Final
PFAS Site Inspection Report

700 South 1600 East PCE Plume Site
Salt Lake City, Utah

Department of Veterans Affairs
Veterans Health Administration
Salt Lake City Health Care System

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Acronyms

CSM ..... Conceptual Site Model
DO ..... Dissolved Oxygen
EPA ..... Environmental Protection Agency
HI ..... Hazard Index
HDPE ..... High-Density Polyethylene
GenX ..... Hexafluoropropylene oxide dimer acid
MCL ..... Maximum Contaminant Level
ORP ..... Oxidation-Reduction Potential
PA ..... Preliminary Assessment
PCE ..... Tetrachloroethene
PFAS ..... Per and Polyfluoroalkyl Substances
PFBS ..... Perfluorobutanesulfonic Acid
PFDA ..... Perfluorodecanoic Acid
PFHpA ..... Perfluoroheptanoic Acid
PFHxA ..... Perfluorohexanoic Acid
PFHxS ..... Perfluorohexanesulfonic Acid
PFNA ..... Perfluorononanoic Acid
PFOA ..... Perfluorooctanoic Acid
PFOS ..... Perfluorooctanesulfonic Acid
PTFE ..... Polytetrafluoroethylene
RSL ..... Regional Screening Level
SI ..... Site Inspection
SLC VAMC ..... Salt Lake City Veterans Affairs Medical Center
VA ..... Department of Veterans Affairs
ZIST ..... Zone Isolation Sampling Technology

EXECUTIVE SUMMARY

In March 2025, the Department of Veterans Affairs (VA) conducted a site inspection (SI) to assess potential per- and polyfluoroalkyl substances (PFAS) contamination in the groundwater at the Salt Lake City VA Medical Center (SLC VAMC). The objective was to determine if there was significant PFAS contamination in the groundwater that warrants further action.

The SLC VAMC is currently evaluating remedial action alternatives for the 700 South 1600 East PCE Plume Superfund Site. The PCE groundwater plume originated from historical dry-cleaning operations at the facility, which occurred from 1976 to 1982. Spent solvent and dry-cleaning residuals were disposed of through the sanitary sewer system, and a break in the downstream sewer line led to groundwater contamination with PCE.

A preliminary assessment (PA) completed in January 2025 identified past and current operations at the facility that used PFAS, such as x-ray development solutions, cleaning supplies, and laundry services. These operations may have contributed PFAS to the sanitary sewer. The PA identified the groundwater exposure pathway as the only potentially complete exposure pathway. The primary objectives of the SI were to determine if PFAS are present in groundwater above applicable screening levels (Maximum Contaminant Levels (MCLs) or Regional Screening Levels (RSLs) and, if so, whether these detections can be attributed to specific locations or operations at the SLC VAMC.

Groundwater samples were collected from 12 wells across five locations between March 10 and 13, 2025. PFAS were detected in all 12 field samples, each containing 5 to 13 different analytes. Notably, perfluorooctanoic acid (PFOA) was detected at MW-30RB, located at the north end of campus, with a concentration of 4.96 nanograms per liter (ng/L), exceeding the MCL of 4.0 ng/L. Additionally, the concentration of perfluorodecanoic acid (PFDA) at MW-30C was 0.45 ng/L, exceeding its RSL of 0.004 ng/L. No exceedances of the calculated hazard index for hexafluoropropylene oxide dimer acid (HFPO-DA or GenX), perfluorobutanesulfonic acid (PFBS), perfluorononanoic acid (PFNA), and perfluorohexanesulfonic acid (PFHxS) were observed.

Based on the findings of the PA (VA 2025), identified historical uses of PFOA on the VAMC campus would have been limited to its potential presence in treated fabrics that were laundered at Building 7, meaning the most likely release mechanism for PFOA would be associated with dry cleaning or laundry service and historical disposal to the sanitary sewer near Building 7, similar to the release mechanisms for PCE. MW-30RB and MW-30C are hydraulically cross-gradient of the PCE plume based on both recent and historical measurements of groundwater flow direction

(**Figures 2a** and **2b** and figures in **Appendix A**). The only identified activities using PFAS-containing chemicals at Buildings 1, 2, and 14, located hydraulically upgradient of MW-30RB and MW-30C, were uses of cleaning supplies reported to contain PFBS as well as small quantities of x-ray developer. PFBS was not detected at concentrations exceeding its RSL. The PA did not identify uses of chemicals containing PFDA at the VAMC campus.

For these reasons, the PFAS compounds exceeding screening levels at MW-30RB and MW-30C are likely released from areas outside the VAMC campus.

Following the completion of the Final PFAS QAPP (CDM Smith, 2025a), VA decided to collect PFAS samples from location MW-39 in June 2025. MW-39 is located between the area with the highest concentrations of PCE and municipal well SLC-18 and is the closest monitoring well to SLC-18. PFAS was not detected at this location above an MCL or RSL.

Based on the sample results and the preliminary Conceptual Site Model (CSM), there is no indication of a significant PFAS release into the groundwater from SLC VAMC operations. Groundwater is not considered a likely exposure pathway for PFAS contamination. Consequently, no further remedial actions are recommended at this time.

1.0 INTRODUCTION

The Department of Veterans Affairs (VA) conducted a site inspection (SI) to assess the potential release of per- and polyfluoroalkyl substances (PFAS) into the groundwater at the Salt Lake City VA Medical Center (SLC VAMC). This inspection aimed to determine if significant PFAS contamination has occurred that warrants further action.

The SLC VAMC is currently evaluating remedial action alternatives for the 700 South 1600 East PCE Plume Superfund Site. The PCE groundwater plume originated from historical dry-cleaning operations at the facility, which took place between 1976 to 1982. During these operations, spent solvent and dry-cleaning residuals were disposed of through the sanitary sewer system, and a break in the downstream sewer line led to groundwater contamination with PCE. To monitor this plume, the SLC VAMC has constructed an extensive network of monitoring wells.

In January 2025, the SLC VAMC completed a preliminary assessment (PA) identifying both past and current operations linked to PFAS usage at the facility. These operations include x-ray development solutions, cleaning supplies, and laundry services, all of which may have contributed PFAS into the sanitary sewer, where there is a history of a past chemical release.

For the site inspection (SI), specific monitoring wells were selected to reflect potential release scenarios of PFAS from various activities. The selected wells include those located hydraulically downgradient and cross-gradient from buildings where activities involved the use of PFAS-containing products, as well as monitoring wells situated within the PCE plume where the highest observed PCE concentrations have been detected, and near the break in the sewer line from Building 7. These strategically chosen wells ensure an accurate reflection of potential PFAS release scenarios from identified campus activities. **Figure 1** illustrates the PFAS sampling locations and the buildings where relevant activities occurred. The detailed rationale for selecting each location is discussed further in **Section 5.**

1.1. Purpose and Objectives

The purpose of this SI is to conduct limited groundwater sampling to determine the presence or absence of PFAS in the groundwater. During the PA phase, the groundwater exposure pathway was identified as the only potentially complete exposure pathway. The primary objectives of the SI are to:

- Determine if PFAS, measured using EPA Method 1633, are present in groundwater at concentrations exceeding the most current applicable

screening levels, such as maximum contaminant levels (MCLs) or regional screening levels (RSLs), at the SLC VAMC.

- If PFAS are detected in groundwater above applicable screening levels, determine if these detections can be attributed to specific locations or operations at the SLC VAMC, as identified during the PA. Should PFAS concentrations exceed the screening levels, further evaluations – such as spatial and compositional analysis – will be conducted to establish whether the detected types and concentrations of PFAS can be linked to sources on the VAMC campus. If these evaluations suggest that PFAS are potentially attributable to specific sources at the VAMC campus, additional media sampling, such as soil testing near suspected release points, may be warranted. Conversely, if PFAS concentrations in groundwater are found to be below screening levels, no further investigation of PFAS in groundwater will be necessary at this time.

1.2. Background

PFAS are commonly found in a variety of products used in the healthcare industry. The VA completed a PA for PFAS to: (1) identify processes and locations at the SLC VAMC where PFAS-containing products may have been used, (2) assess the likelihood of a release to the environment, and (3) conduct an initial assessment of possible migration pathways and receptors (VA 2025). Although the VAMC has never manufactured PFAS or used high-purity PFAS in site activities, PFAS containing products have been used on-site (e.g., cleaning, and laundering products), as described in the PA (VA 2025). The PA did not identify any confirmed release of PFAS; however, it suggested that potential PFAS contamination could result from the disposal of spent products into the sanitary sewer system.

1.3. Environmental Setting

The environmental setting, including descriptions of site geology and hydrogeology, is summarized from the Final Remedial Investigation Report for Operable Unit 1 at the 700 South 1600 East PCE Plume Site, completed in 2022 (CDM Smith, 2022).

The SLC VAMC is situated in an urban, developed area on the East Bench, which separates the Salt Lake Valley from the Wasatch Mountains to the east. The facility is in a mixed commercial and residential area, bounded by major streets including 500 South to the north, Michigan Avenue to the south, 1100 East to the west, and Foothill Drive to the east

To the west of the SLC VAMC, there is a city park and recreation facility, University of Utah athletic fields and training buildings, elementary schools, and a residential

community. Previously, a National Guard facility and a U.S. Forest Service Fire Center were located west of the campus on Guardsman Way. To the north and east of the SLC VAMC lies the University of Utah campus, which includes a hospital, other medical buildings and labs, and student housing. A research park located to the east of the SLC VAMC consists of ARUP, BioFire Diagnostics, the Energy & Geoscience Institute, Teva Pharmaceuticals, and an Armed Forces Reserve Center. The reserve center was previously the location of Fort Douglas, an active U.S. Army base since 1878.

According to U.S. Census Bureau data, in 2023, approximately 16,116 people live within the five census tracts that include the site. Approximately 21 percent of the population is minority. The per capita median income is approximately $42,780 per year, and 39 percent of the households have incomes of more than $100,000 per year. (CDM Smith, 2025b).

1.3.1. Site Geology

The SLC VAMC is located near the eastern edge of the Salt Lake Valley, which is bordered by the Wasatch Range to the east, the Oquirrh Mountains to the west, the Traverse Mountains to the south, and the Great Salt Lake to the north. The two prominent Quaternary geologic features that shape the modern physiogeography at the site are the Wasatch Fault Zone and the Pleistocene Lake Bonneville.

The Wasatch Fault Zone runs along the eastern boundary of the Salt Lake Valley, separating it from the Wasatch Mountains. This fault zone is divided into ten segments, including the Salt Lake City Segment, which is further subdivided into three sections: the Warm Springs Fault, the East Bench Fault, and the Cottonwood Fault. The site is bisected by the East Bench Fault and its spur, with the East Bench Fault being an active segment of the Wasatch Fault (the spur segment is not considered active).

Lake Bonneville, the precursor to the Great Salt Lake, filled the Salt Lake Valley from approximately 30,000 to 10,000 years ago. During its highstand around 18,000 years ago, the lake reached a maximum shoreline elevation of approximately 5,090 feet above mean sea level. The Provo phase of Lake Bonneville, which occurred between 15,000 to 14,000 years ago, saw the lake's elevation stabilize at around 4,760 feet above mean sea level.

The surficial geology of the site primarily consists of alluvial fan deposits and lacustrine deposits. The alluvial fan deposits, likely sourced from Red Butte Canyon and Dry Creek Canyon, are characterized by clast-supported pebble and cobble gravel, occasionally containing boulders, with a sand and silty matrix. Lacustrine deposits, which may be from either the Lake Bonneville highstand or the Provo

phase, vary in composition: highstand deposits are predominantly silt and clay with some fine sand and gravel, while Provo phase deposits are clast-supported pebble and cobble gravel in a sand matrix with minor silt.

Overall, the surficial geology transitions from coarse-grained alluvial fan and Provo phase deposits on the east to finer-grained lacustrine deposits toward the west. The site's topography slopes to the west-southwest at an approximate grade of 4 percent, steepening to 10 percent near the East Bench Fault.

1.3.2. Site Hydrogeology

Groundwater in the Salt Lake Valley is found within the alluvial fan and lacustrine deposits, existing in perched, unconfined, and deep aquifers. These deposits are highly complex, consisting of multiple aquifers and semi-confining layers that are laterally discontinuous and internally heterogeneous (CDM Smith, 2022).

At the SLC VAMC campus, groundwater is typically found at depths of 185 to 200 feet (ft) below ground surface (bgs). Moving west and southwest, groundwater becomes shallower, with depth to groundwater at approximately 155 ft bgs, west of the VA campus, near Guardsman Way. In the residential area approximately 4,000 ft downgradient from the VAMC campus, shallow groundwater is found at approximately 15 ft bgs to above the ground surface (artesian conditions).

Groundwater at the site flows through perched, unconfined shallow, and semi-confined deep aquifer systems. A silt/clay semi-confining unit separates the shallow and deep aquifer zones. Vertical gradients are typically strongly downward near the VAMC campus, dissipating along the east to west groundwater flow path. Historically, water supply and irrigation well pumping have primarily drawn from the semi-confined deep aquifer, altering groundwater flow direction toward these wells (CDM Smith, 2022).

Groundwater flow near the VAMC campus generally tends toward the west-northwest in both the shallow and deep aquifer units. Potentiometric surface maps from March 2025 indicate that flow direction is toward the northwest (**Figures 2a** and **2b**). In contrast, historical potentiometric surface maps from the site-wide groundwater sampling in September 2024 show a more westerly flow pattern compared to March 2025. West of the VAMC campus, the flow direction shifts westward and then transitions to west-southwest in the western portion of the site.

The nearest water supply well for consumptive use is Salt Lake City Department of Public Utilities Drinking Water Well #18 (SLC-18), located approximately 1,000 feet northwest of the SLC VAMC at the northwest corner of 500 South and Guardsman Way. However, SLC-18 has not been in operation since 2004 (CDM Smith, 2022).

1.3.3. Hydrologic Setting

The nearest surface water body to the SLC VAMC is Red Butte Creek, which is located to the east and south of the site. Red Butte Creek flows southwest then more westerly approximately 1,500 feet to the southwest of the site. Peak flow of Red Butte Creek occurs in late April through June, driven primarily by snowmelt. As Red Butte Creek crosses the primary and secondary recharge areas near the Wasatch Front, including the eastern portions of the site, it functions as a losing stream, meaning it loses water to the underlying groundwater. Additionally, Red Butte Creek receives surface water through both direct runoff and stormwater discharges (CDM Smith, 2022).

The headwaters of Red Butte Creek originate in the Wasatch Range. The creek is divided into two subwatersheds, with the lower subwatershed flowing near the site. The upper subwatershed is on U.S. Forest Service land and is designated as a Research Natural Area, which is closed to public access. Upon exiting the Wasatch Range through Red Butte Canyon, Red Butte Creek enters the Salt Lake Valley. While the upper subwatershed remains undisturbed, the lower subwatershed runs through a fully urbanized area, passing through developed business and residential regions including the University of Utah campus, the SLC VAMC campus, Sunnyside Park, and surrounding residential neighborhoods (CDM Smith, 2022).

Red Butte Creek continues to flow west-southwest through Miller Park towards Liberty Park Pond. The surface exposure of Red Butte Creek ends east of Liberty Park, where the creek is diverted underground into the 1300 South conduit. From there, water is conveyed to the Jordan River through an underground pipe approximately four miles long. Water from Red Butte Creek supports recreational areas, such as the pond in Liberty Park (CDM Smith, 2022).

The SLC VAMC's stormwater collection system drains into Red Butte Creek through three outfalls.

1.4. Report Organization

The SI report is organized as follows:

- **Section 1 – Introduction:** Provides a project overview and details the environmental setting.
- **Section 2 – Site Description and Operational History:** Summarizes the presence of PFAS in healthcare and a description of the operational history of the facility.

- **Section 3 – Field Sampling Activities:** Describes the field sampling activities performed in support of this report.
- **Section 4 – Sample Results**: Discusses the results of the PFAS groundwater sampling event.
- **Section 5 – Evaluation of Potential Exposure Pathways**: Investigates potential release mechanisms and exposure pathways based on the most likely release scenarios and sampling results.
- **Section 6 – Summary and Conclusions:** Summarizes the findings and provides conclusions on the presence of PFAS groundwater contamination.
- **Section 7 – References:** List the references consulted to produce the SI report.

2.0 SITE DESCRIPTION AND OPERATIONAL HISTORY

The SLC VAMC campus was initially constructed in 1950 as part of the established Fort Douglas Military Reservation. The original buildings included the main hospital (Building 1), a psychiatric/tuberculosis hospital (Building 2), an infirmary, kitchen and cafeteria, boiler plant and shops, a laundry facility, and various residential buildings. The campus continued to expand into the late 1990s (SWCA, 2011).

Today, the SLC VAMC campus includes 28 buildings, including a 121-bed hospital, a pharmacy, medical research facilities, a senior living center, and child daycare.

The SLC VAMC is considered a “small quantity” generator of hazardous waste (UT9360090048). Typical hazardous waste generated at the facility include expired/unused pharmaceuticals, barium contrast from radiology, xylene, isopropyl alcohol, and formalin from histology and pathology labs. Hazardous waste is collected monthly and transported off-site for disposal.

The SLC VAMC has never manufactured PFAS or used high-purity PFAS in any processes. Additionally, the facility does not operate a fire department that may have used PFAS-containing firefighting foams.

PFAS usage at the SLC VAMC is comparable to other similarly sized healthcare facilities. Potential uses of PFAS-containing materials include medical equipment and devices used for both patient care and research, pharmaceuticals, cleaning supplies, laundry services, and other operational and maintenance activities.

2.1. Summary of PFAS Use in Healthcare

The PA provided detailed descriptions of PFAS use in the healthcare industry (VA, 2025). Below is a summary of the information.

- **Medical Devices**: PFAS are used in the manufacturing of medical devices due to their chemical resistance and low friction properties. Examples include catheters, guidewires, and graft materials.
- **Surgical Textiles and Equipment**: PFAS are applied to surgical gowns, drapes, and other fabrics to provide water and stain resistance qualities.
- **Laboratory Equipment**: PFAS coatings are used on laboratory equipment to reduce contamination and ensure non-stick surfaces.
- **Implants**: Certain PFAS compounds are used in the coating of implants to reduce adhesion and improve the longevity of the devices.

- **Pharmaceutical Production**: PFAS can be used in the production process of pharmaceuticals as surfactants and in the composition of some medications.

The PA also discussed specific operations at the SLC VAMC with the potential to release PFAS into the environment (VA, 2025). Below is a summary of these processes.

2.2. X-Ray Development

The SLC VAMC now uses digital x-rays but previously used x-ray film, which was developed in Building 1. This film development process, which ceased in 2007, included recycling for silver content and occasionally discharging small volumes of developer solutions into the sanitary sewer (McPherson, 2024). Non-polymer PFAS in the film and developer solution functioned as surfactants, reducing friction, static electricity, and surface tension (Gaines, 2022).

2.3. Cleaning Supplies

The janitorial staff at the SLC VAMC use Scotchgard® cleaning products containing PFBS, including pretreatment cleaner, floor finish, and extraction cleaner, primarily in Buildings 1, 2, and 14. Tile floor finish is applied about twice per month, while carpet cleaners are used about once per month (Smith, 2024). Used cleaning solutions are disposed of through the sanitary sewer.

2.4. Laundry Services

PFAS-containing chemicals, used for water and stain resistance in garments like scrubs and gowns, may have released PFAS into the wash water and subsequently into the sanitary sewer in Building 7. Historically, Scotchgard® detergents containing PFOS (pre-2000), PFBS, and other PFAS were used. In 2019, the SLC VAMC outsourced laundry services, ceasing operations in Building 7, which is now being repurposed. Historical laundering activities may have released PFAS, similar to dry-cleaning operations. Common PFAS additives in laundry soap include perfluorooctanoic acid (PFOA), PFOS, PFBS, perfluoroheptanoic acid (PFHpA), perfluorohexanoic acid (PFHxA), perfluorohexanesulfonic acid (PFHxS), and fluorotelomer alcohols (Barnes, et al, 2021; Minnesota Pollution Control Agency, 2023).

3.0 FIELD SAMPLING ACTIVITIES

The following sections detail the field sampling activities conducted for this report. For comprehensive information on the sampling, please refer to the *Final PFAS Groundwater Data Summary Report* (CDM Smith, 2025b) included as **Appendix A**.

3.1. Overview

The groundwater monitoring event took place between March 10-13, 2025, and on June 5, 2025, and involved the collection of groundwater samples from fourteen wells across six locations. **Figure 1** illustrates sampled monitoring wells, and **Table 1** provides the location data and well construction details. The sampling was completed according to CDM Smith SOP 1-12, Low-Stress (Low-Flow) Groundwater Sampling (CDM Smith 2025a).

Prior to sampling, the designated monitoring wells were rehabilitated with PFAS-free materials. For wells with Solinst bladder pumps, the pumps were removed, disassembled, and cleaned. The internal rod, Teflon bladder, and Teflon check valves were replaced with new PFAS-free Santoprene® bladder cartridges and stainless-steel check valves, and the Teflon-lined tubing was substituted with new high-density polyethylene (HDPE) double-bonded tubing. For wells equipped with Zone Isolation Sampling Technology (ZIST) pumps, the pumps and tubing were removed, cleaned with Alconox detergent and ASTM Type II DI water, and any missing or broken parts were replaced, including the Teflon-lined tubing, which was replaced with HDPE tubing. Additionally, two monitoring wells, MW-29A and MW-03RA, had volume boosters containing Teflon parts, which were rebuilt and replaced by the manufacturer using HDPE components. At MW-39S/D, PFAS-free bladder pumps were installed during the construction of the wells in 2024.

During the preparation for PFAS sampling, MW-27 was mistakenly identified as MW-24, leading to the replacement of the tubing, check valves, and bladder in MW-27 instead of MW-24. This error was found before sampling. On March 12, 2025, the pump at MW-24 was cleaned, and its Teflon bladder, check valves, and tubing were replaced. An equipment blank was collected from the decontaminated pump before its deployment. MW-24 was then sampled the next morning, March 13, 2025.

3.2. Groundwater Sampling Procedures

Prior to sampling, synoptic groundwater elevations were measured from a subset of 30 wells on the SLC VAMC property extending west to Guardsman Way in accordance with the *Final PFAS QAPP* (CDM Smith, 2025a). Each well was purged to remove a predetermined minimum volume. Once the minimum purge volume was achieved and water quality parameters stabilized, samples were collected using

Low-Flow sampling procedures. Water quality parameters were measured continuously during the purging process using a flow-through cell. Detailed documentation of the groundwater elevation measurements, including updated potentiometric maps, and the sampling procedures is provided in the *Final PFAS Groundwater Sampling Data Summary Report* (CDM Smith, 2025c), included as **Appendix A**.

All samples were sent to Sterling Laboratories Inc., a National Environmental Laboratory Accreditation Program-certified laboratory in Des Plaines, Illinois, for PFAS analysis using EPA Method 1633. Field quality control samples were also collected, which included field duplicates, matrix/matrix spike duplicates, and field blanks. *The Final PFAS Groundwater Sampling Data Summary Report* (CDM Smith, 2025c) attached as **Appendix A**, includes detailed laboratory data in Appendix B.

A total of fourteen samples, not including QA samples, were collected as planned. The completeness rate for the number of samples planned versus the number of samples collected was 100%. Achieving this completeness goal ensures sufficient data are available for making project decisions. The sample results meet the data quality objectives presented in the *Final PFAS QAPP* (CDM Smith, 2025c).

4.0 GROUNDWATER SAMPLE RESULTS

During the March and June 2025 PFAS groundwater sampling event, a total of 14 field samples were collected. The samples were analyzed using EPA Method 1633, which covers a total of forty analytes. The results of the detected PFAS are illustrated in **Figure 3** and summarized in **Table 2,** along with the MCL or RSLs for tap water (for compounds without an established MCL) for comparison.

For four specific PFAS compounds: GenX, PFBS, perfluorononanoic acid (PFNA), and PFHxS, the MCL is determined based on a hazard index (HI) calculation if two or more of these compounds are detected in a sample. An HI greater than 1 is an exceedance of the MCL. The HI was calculated using the following equation: (EPA, 2024)

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index$$

PFAS were detected in all 14 field samples, with each sample containing 1 to 13 different analytes per well. Notably, MW-30RB was the only well that exceeded an MCL, with a PFOA concentration of 4.96 nanograms per liter (ng/L), exceeding the MCL of 4.0 ng/L. Additionally, the concentration of perfluorodecanoic acid (PFDA) at MW-30C (0.45 ng/L), exceeded its respective RSL of 0.004 ng/L. No exceedances of the hazard index for the four PFAS were observed.

Quality control samples included three field duplicates, two field blanks, and one equipment blank. Contamination with PFOS was observed in the field blank, equipment blank, and laboratory blank, resulting in a high bias in PFOS results for all samples.

5.0 CONCEPTUAL SITE MODEL

As part of the PA, a preliminary Conceptual Site Model (CSM) was developed to identify potential exposure pathways to guide environmental media sampling efforts. The identified pathways included groundwater, surface water, soil, and air, each representing potential routes through which hazardous substances could pose a threat to human health or the environment. The CSM concluded that of these pathways, groundwater was the only environmental medium warranting further evaluation.

Groundwater Evaluation

Monitoring wells were strategically selected for sampling within the SI to reflect potential release scenarios based on identified activities from the PA. The rationale for each well selection is outlined as follows:

MW-30: This location includes nested wells MW-30RA and MW-30RB and is collocated with MW-30C. These wells are hydraulically downgradient from Buildings 1 and 14, where historic x-ray development and current use of cleaning supplies have led to past and current disposal of residual PFAS into the sanitary sewer. MW-30 is situated on the northwest property boundary, providing on-campus monitoring closest to SLC-18. PFOA was detected in MW-30RB at 4.98 ng/L, exceeding the MCL of 4.0 ng/L. Additionally, PFDA was detected in MW-30C at 0.45 ng/L, exceeding the RSL of 0.004 ng/L. The MW-30 location is hydraulically cross-gradient of the PCE plume.

MW-05R: This well is hydraulically cross-downgradient from Building 2, where the use of cleaning supplies has resulted in the disposal of residual PFAS into the sanitary sewer. MW-05R is also upgradient of the PCE plume and potential release points near Building 7, serving as the upgradient comparison location for PFAS samples collected within the PCE plume.

MW-24: This well is located near the sewer line connection to Building 7, downgradient of the former dry-cleaning operation and upgradient of the PCE plume. It was selected for its strategic position related to historical PFAS disposal activities involving dry-cleaning and laundry services.

MW-29: This location includes nested wells MW-29A, MW-29B, and MW-29C. It is hydraulically downgradient of an identified break in the sewer line, which is suspected to be a source of the PCE plume.

MW-03R: This location includes nested wells MW-03RA, MW-03RB, MW-03RC, and MW-03RD. It is hydraulically downgradient from campus activities, where the highest concentration of PCE has been observed.

MW-39S/D: These wells are located between the area with the highest concentrations PCE and municipal well SLC-18. They are the closest monitoring wells to SLC-18.

These selections were made to ensure comprehensive monitoring and accurate reflection of potential PFAS release scenarios from identified campus activities.

Based on the CSM and the results from the PFAS groundwater sampling event, there is no evidence to support a significant release of PFAS into the groundwater attributable to SLC VAMC operations. Therefore, groundwater is not considered a likely exposure pathway for PFAS contamination.

6.0 SUMMARY AND CONCLUSIONS

This report presents the results from the PFAS groundwater sampling events conducted at the SLC VAMC in March and June of 2025. The primary objectives were to determine if PFAS are present in groundwater at concentrations exceeding the most current applicable screening levels, and if so, whether these can be attributed to specific locations or operations at the SLC VAMC.

Objective 1: Evaluate if PFAS, measured using EPA Method 1633, are present in groundwater at concentrations exceeding the most current applicable screening levels, including MCLs or RSLs, at the SLC VAMC. The following results were observed:

- **PFOA:** Detected concentration of 4.98 ng/L at MW-30RB, exceeding the MCL of 4 ng/L.
- **PFDA:** Detected concentration of 0.45 ng/L at MW-30C, exceeding the RSL of 0.004 ng/L.
- **HI:** No calculated exceedances for GenX, PFBS, PFNA, and PFHxS.

Objective 2: If PFAS are detected above screening levels, determine whether these detections can be attributed to specific locations or operations at the SLC VAMC, as identified during the PA.

- **PFOA:** According to the PA findings (VA 2025), historical uses of PFOA were minimal and primarily limited to its potential presence in treated fabrics laundered at Building 7. This suggests that historical laundry services or dry-cleaning operations, specifically disposal to the sanitary sewer near Building 7, may be the most likely release mechanism for PFOA, similar to the PCE plume. However, no exceedances of MCLs or RSLs were detected at monitoring well locations within the PCE plume boundary at the site.

- **PFDA:** The PA did not identify historical or current uses of products specifically containing PFDA at the SLC VAMC campus.

Activities upgradient of MW-30RB and MW-30C at Buildings 1, 2, and 14 involved the use of cleaning supplies reportedly containing PFBS, as well as small quantities of x-ray developer solutions likely containing non-polymer PFAS (Gaines, 2022), including PFOA, PFOS, PFNA, and PFDA, and many others. However, given the very low and isolated detections, it is unlikely the PFOA and PFDA detected at MW-30RB and MW-30C originated from activities or processes on the VAMC campus.

Based on the sample results and the lack of completed exposure pathway for groundwater, no further PFAS remedial actions are recommended at this time.

7.0 REFERENCES

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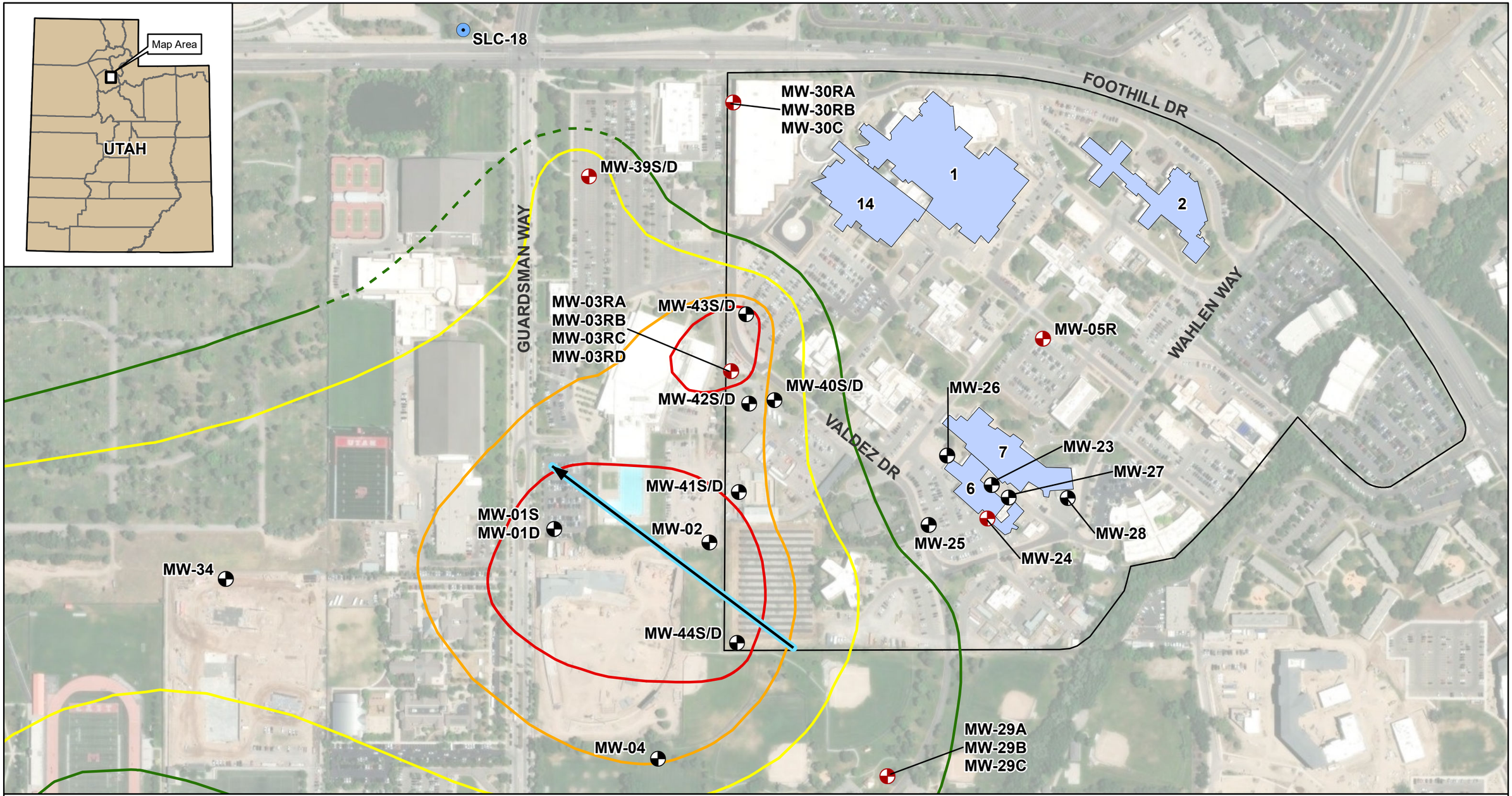
FIGURES



Legend

- Drinking Water Supply Well
- Monitoring Well (MW)
- PFAS Sampling Location
- Groundwater Flow Direction
- Veteran Affairs Medical Center Campus
- 5 µg/L
- 10 µg/L
- 50 µg/L
- 100 µg/L

Dashed Line - Inferred Extent

Notes
µg/L = micrograms per liter
PCE = tetrachloroethene
PFAS = per- and polyfluoroalkyl substances

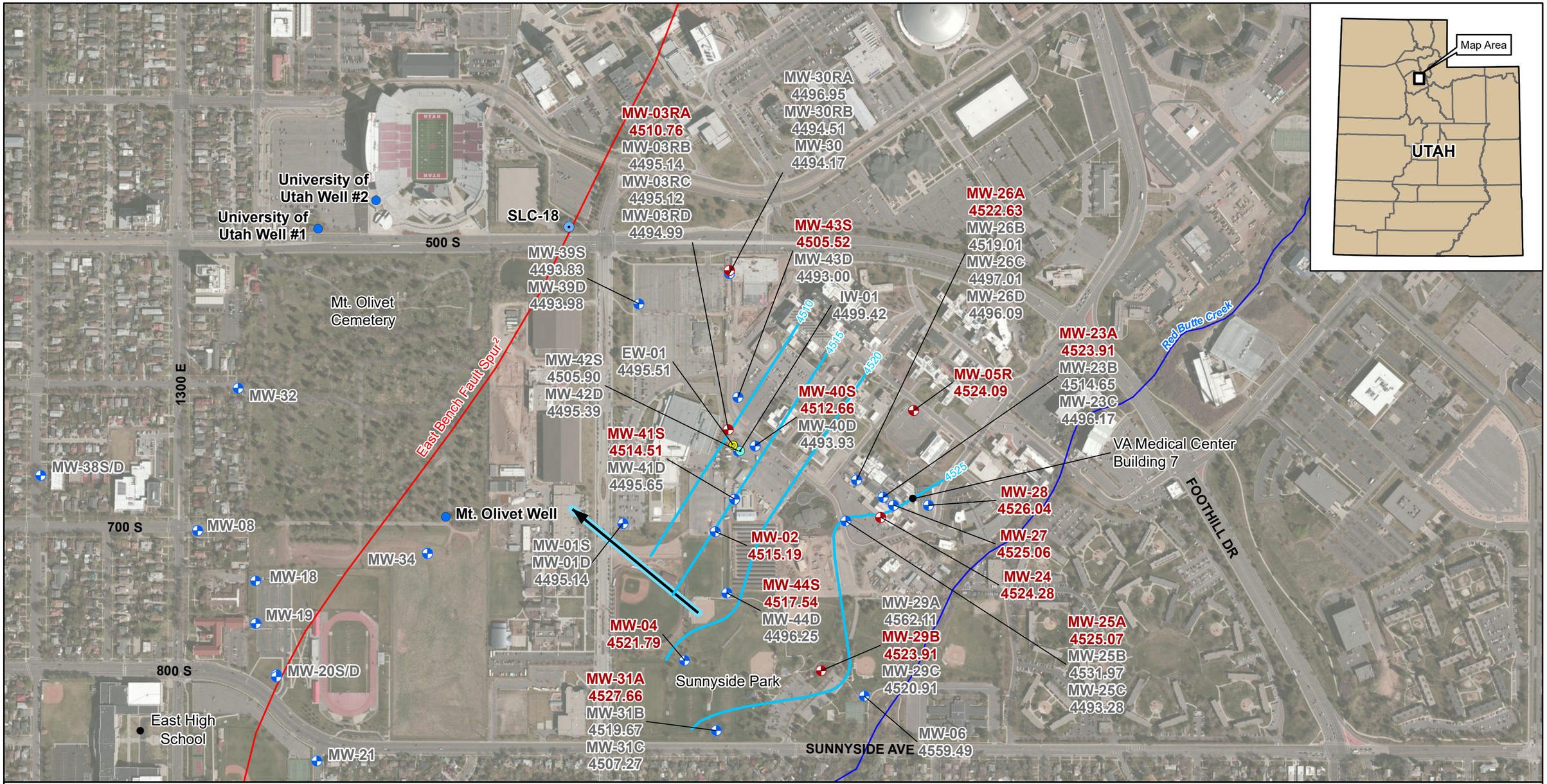
N
W E
S

0 250 500 Feet

Figure 1
PFAS Sampling Locations

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig1_PFAS_Sampling_Location.mxd WAGNERA 11/21/2025



PFAS Sampling Location
Monitoring Well
Extraction Well
Injection Well
Drinking Water Supply Well
Irrigation Well
Landmark
Fault Line
Groundwater
Dashed Line - Inferred Extent
Groundwater Flow
Red Butte Creek

Notes:
1. All ground surface elevations in feet amsl
2. Measurements taken March 10th through 11th 2025.
3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only

[1] Davis, F.D. 1983. Geologic Map of the Central Wasatch Front, Utah. Utah Geological and Mineral Survey. Map 54-A – Wasatch Front Series. May.
[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

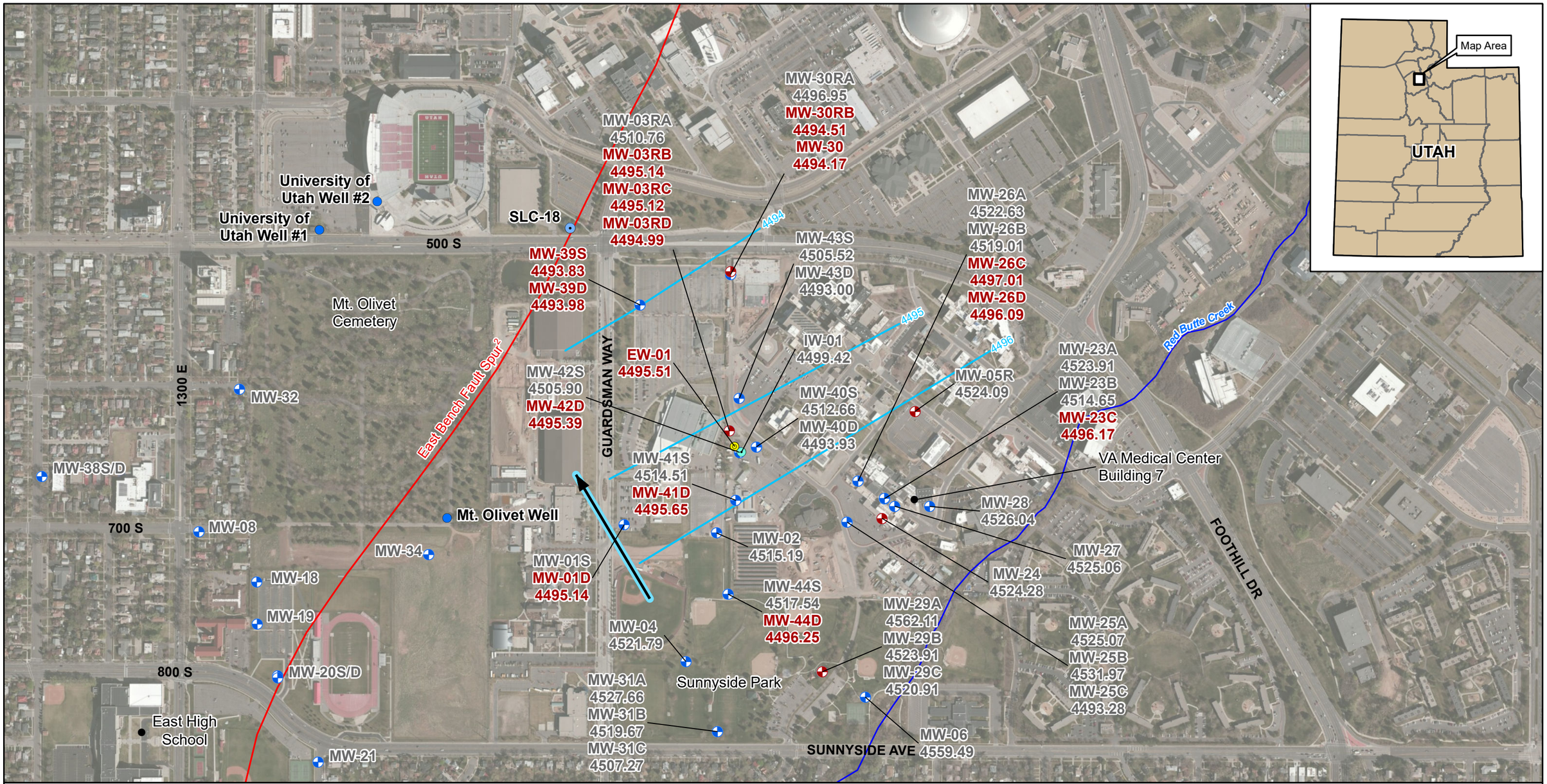
amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well
IW = injection well
RG = residential groundwater sample
NM = Not measured

N W E S
0 500 1,000 Feet

Figure 2a
Potentiometric Surface Map
Shallow Aquifer

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig2a_GW_Shallow_Aquifer_Mar2025.mxd WAGNERA 11/21/2025 5:55:44 PM



Legend

- PFAS Sampling Location
- Monitoring Well
- Extraction Well
- Injection Well
- Drinking Water Supply Well
- Irrigation Well
- Landmark
- Fault Line
- Groundwater Contour
- Dashed Line - Inferred Extent
- Groundwater Flow Direction
- Red Butte Creek

Notes:
1. All ground surface elevations in feet amsl
2. Measurements taken March 10th through 11th 2025.
3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only

[1] Davis, F.D. 1983. Geologic Map of the Central Wasatch Front, Utah. Utah Geological and Mineral Survey. Map 54-A – Wasatch Front Series. May.
[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well
IW = injection well
RG = residential groundwater sample
NM = Not measured

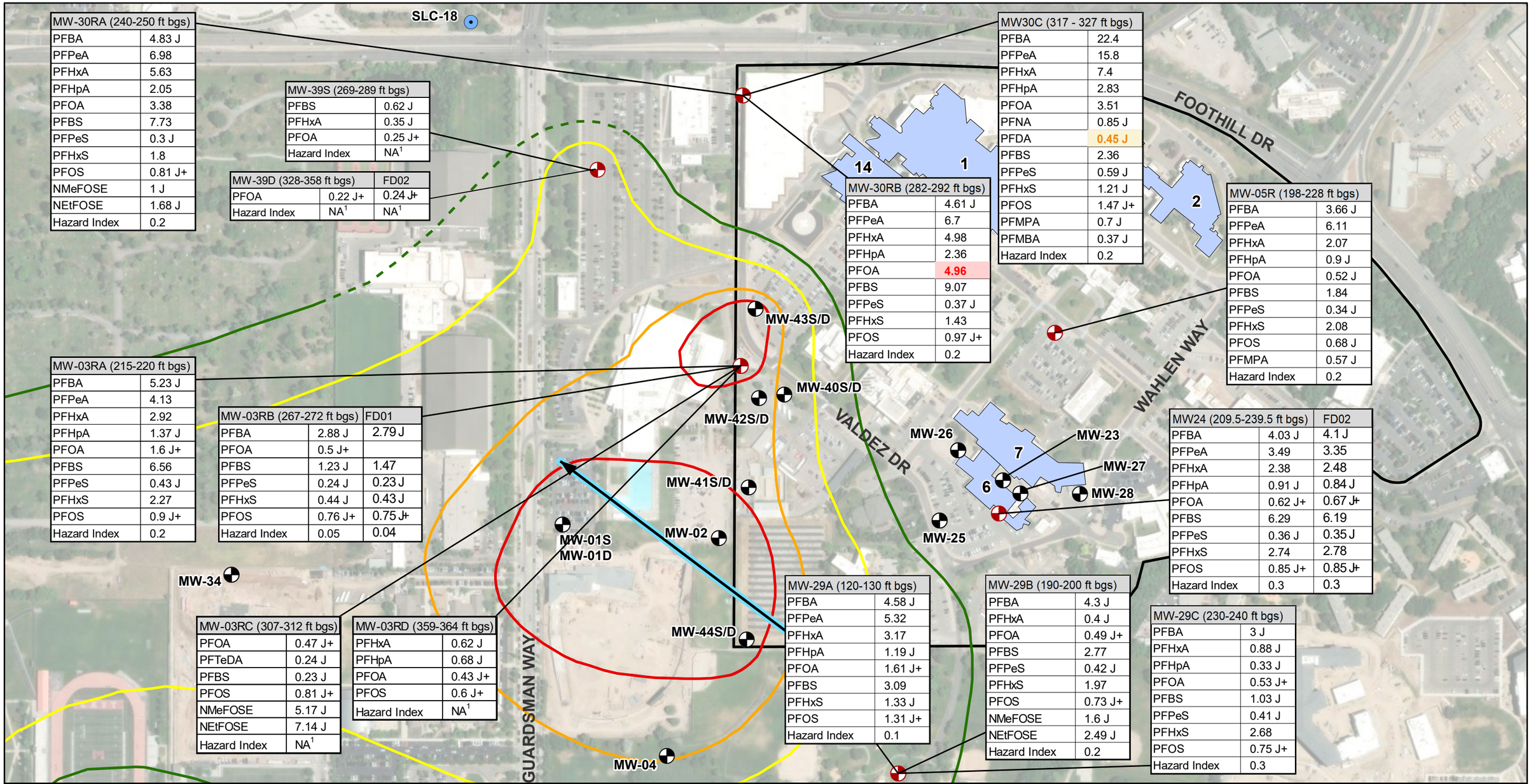
N W E S

0 500 1,000 Feet

Figure 2b
Potentiometric Surface Map
Deep Aquifer

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig2b_GW_Deep_Aquifer_Mar2025.mxd WAGNERA 11/21/2025 5:21:45 PM



Legend

- Monitoring Well
- PFAS Sampling Location
- Drinking Water Supply Well
- Groundwater Flow Direction
- Buildings
- George E. Wahlen Veterans Affairs Medical Center Boundary

PCE Isoconcentration Contours

- 5 µg/L
- 10 µg/L
- 50 µg/L
- 100 µg/L

Dashed Line - Inferred Extent

The MCL for PFOS and PFOA is 4.0 ng/L
The MCL for PFHxS and PFNA is 10 ng/L
The MCL for the Hazard Index value is 1.0 for PFBS, PFHxS, PFNA, and HFPO-DA.

Notes:
XX - exceeds the maximum contaminant limit (MCL)
XX - exceeds the regional screening level (RSL)
The Hazard Index Value is a calculation that is unitless, all other values are in ng/L
J = Result is estimated
J+ = Result is estimated biased high
NA = Not Applicable
bgs = below ground surface
PFHxA = Perfluorohexanoate
PFHpA = Perfluoroheptanoate
PFOA = Perfluorooctanoate
PFOS = Perfluorooctanesulfonate
PFBA = Perfluorobutanoate
PFPeA = Perfluoropentanoate
PFBS = Perfluorobutanesulfonate
PFPeS = Perfluoropentanesulfonate
PFHxS = Perfluorohexanesulfonate
PFNA = Perfluorononanoate
PFDA = Perfluorodecanoate
PFMPA = Perfluoro-3-methoxybutanoic acid
PFMBA = Perfluoro-4-methoxybutanoic acid
NMeFOSE = N-Methylperfluorooctanesulfonamidoethanol
NEtFOSE = N-Ethylperfluorooctanesulfonamidoethanol

[1] HI values could not be calculated because two or more of the four analytes were not detected.

N W E S

0 250 500 Feet

Figure 3
PFAS Results in Groundwater

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig3_PFAS_Sampling_Results.mxd WAGNERA 11/21/2025

TABLES

Table 1
Monitoring Well Survey Data and Construction Details

Location	Sample Interval	Y Coordinate (Utah State Plane, ft)[1]	X Coordinate (Utah State Plane, ft)[1]	Surface Elevation (ft amsl)[2]	Top of casing elevation (ft amsl)[2]	Total Well Depth (ft bgs)	Screen Start (ft bgs)	Screen End (ft bgs)	Pump Depth (ft bgs)	Pump Type
MW-03R	A	7444184.95	1545418.14	4698.74	4698.12	223	215	220	215	ZIST/Gas - with reciever
	B	7444185.07	1545418.33		4697.90	275	267	272	267	ZIST/Gas - with reciever
	C	7444185.19	1545418.23		4697.92	315	307	312	307	ZIST/Gas - with reciever
	D	7444184.80	1545418.35		4697.93	367	359	364	359	ZIST/Gas - with reciever
MW-05R	-	7444293.35	1546450.34	4738.25	4737.99	230	198	228	222	Solinst bladder pump
MW-24	-	7443698.8	1546266.33	4709.77	4709.19	250	209.5	239.5	211	Solinst bladder pump
MW-29	A	7442846.05	1545935.56	4679.35	4678.46	132	120	130	128	ZIST/Gas - w/o reciever
	B	7442845.99	1545935.56		4678.45	202	190	200	190	ZIST/Gas - with reciever
	C	7442845.97	1545935.69		4678.68	242	230	240	230	ZIST/Gas - with reciever
MW-30R	RA	7445055.90	1545425.16	4722.89	4722.60	252	240	250	245	Solinst bladder pump
	RB	7445055.64	1545425.20		4722.36	294	282	292	285	Solinst bladder pump
MW-30	C	7445073.42	1545425.05	4723.07	4721.92	329	317	327	317	ZIST/Gas - with reciever
MW-39	S	7444885.96	1544921.12	4698.78	4698.34	289	269	289	279	QED bladder pump
	D	7444885.82	1544921.30		4698.35	358	328	358	343	QED bladder pump

Notes:
[1] X/Y Coordinates measured using NAD 83 State Plane Coordinate System
[2] Elevations measured using NAVD 88 vertical datum

Acronyms:
amsl = above mean sea level
bgs = below ground surface
ft = feet
w/o = without
ZIST = Zone Isolation Sampling Technology

Table 2
Detected PFAS Analytical Results in Groundwater

			Location	MW-03RA		MW-03RB		MW-03RB		MW-03RC		MW-03RD		MW-05R		MW-24		MW-24		MW-29A		MW-29B		MW-29C	
			Sample Name	MW03RA-GW031225		MW03RB-GW031225		FD01-GW031225		MW03RC-GW031225		MW03RD-GW031225		MW05R-GW031125		MW24-GW031325		FD02-GW031325		MW29A-GW031125		MW29B-GW031125		MW29C-GW031125	
			Parent Sample					MW03RB-GW031225										MW24-GW031325							
			Sample Type	N		N		FD		N		N		N		N		FD		N		N		N	
			Sample Date	3/12/2025		3/12/2025		3/12/2025		3/12/2025		3/12/2025		3/11/2025		3/13/2025		3/13/2025		3/11/2025		3/11/2025		3/11/2025	
Analyte	Sampling Method	Screening Level	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.28	U	1.28	U	1.23	U	**7.14**	**J**	1.2	U	1.2	U	1.21	U	1.22	U	1.22	U	**2.49**	**J**	1.23	U
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.03	U	1.03	U	0.98	U	**5.17**	**J**	0.96	U	0.96	U	0.97	U	0.98	U	0.98	U	**1.6**	**J**	0.99	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA Method 1633		ng/L	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	**0.57**	**J**	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA Method 1633		ng/L	0.12	U	0.12	U	0.12	U	0.12	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
Perfluorobutanesulfonic acid (PFBS)	EPA Method 1633	600[a]	ng/L	**6.56**		**1.23**	**J**	**1.47**		**0.23**	**J**	0.18	U	**1.84**	**J**	**6.29**		**6.19**		**3.09**		**2.77**		**1.03**	**J**
Perfluorobutanoic acid (PFBA)	EPA Method 1633	1800[a]	ng/L	**5.23**	**J**	**2.88**	**J**	**2.79**	**J**	0.47	U	0.46	U	**3.66**	**J**	**4.03**	**J**	**4.1**	**J**	**4.58**	**J**	**4.3**	**J**	**3**	**J**
Perfluorodecanoic acid (PFDA)	EPA Method 1633	0.004[a]	ng/L	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.12*	*U*	*0.12*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*
Perfluoroheptanoic acid (PFHpA)	EPA Method 1633		ng/L	**1.37**	**J**	0.16	U	0.16	U	0.16	U	**0.68**	**J**	**0.9**	**J**	**0.91**	**J**	**0.84**	**J**	**1.19**	**J**	0.15	U	**0.33**	**J**
Perfluorohexanesulfonic acid (PFHxS)	EPA Method 1633	10[b]	ng/L	**2.27**		**0.44**	**J**	**0.43**	**J**	0.22	U	0.22	U	**2.08**	**J**	**2.74**		**2.78**		**1.33**	**J**	**1.97**		**2.68**	
Perfluorohexanoic acid (PFHxA)	EPA Method 1633	990[a]	ng/L	**2.92**		0.13	U	0.13	U	0.13	U	**0.62**	**J**	**2.07**		**2.38**		**2.48**		**3.17**		**0.4**	**J**	**0.88**	**J**
Perfluorononanoic acid (PFNA)	EPA Method 1633	10[b]	ng/L	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Perfluorooctanesulfonic acid (PFOS) *	EPA Method 1633	4[b]	ng/L	**0.9**	**J+**	**0.76**	**J+**	**0.75**	**J+**	**0.81**	**J+**	**0.6**	**J+**	**0.68**	**J+**	**0.85**	**J+**	**0.85**	**J+**	**1.31**	**J+**	**0.73**	**J+**	**0.75**	**J+**
Perfluorooctanoic acid (PFOA)	EPA Method 1633	4[b]	ng/L	**1.6**	**J+**	**0.5**	**J+**	0.12	U	**0.47**	**J+**	**0.43**	**J+**	**0.52**	**J+**	**0.62**	**J+**	**0.67**	**J+**	**1.61**	**J+**	**0.49**	**J+**	**0.53**	**J+**
Perfluoropentanesulfonic acid (PFPeS)	EPA Method 1633		ng/L	**0.43**	**J**	**0.24**	**J**	**0.23**	**J**	0.2	U	0.2	U	**0.34**	**J**	**0.36**	**J**	**0.35**	**J**	0.2	U	**0.42**	**J**	**0.41**	**J**
Perfluoropentanoic acid (PFPeA)	EPA Method 1633		ng/L	**4.13**		0.14	U	0.14	U	0.14	U	0.13	U	**6.11**		**3.49**		**3.35**		**5.32**		0.14	U	0.14	U
Perfluorotetradecanoic acid (PFTeDA)	EPA Method 1633	2000[a]	ng/L	0.12	U	0.12	U	0.12	U	**0.24**	**J**	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
Hazard Index (HI) [c]	Calcualted	1		0.23		0.045		0.044		NA[d]		NA[d]		0.21		0.28		0.28		0.13		0.20		0.27	

Notes:

[a] Screening level is EPA Tap Water RSL (target cancer risk 1 x 10-6, hazard quotient = 0.1) (U.S. EPA November 2024)

[b] Screening level is EPA MCL

[c] HI was calculated using the following equation for mixtures of at least two of the following four PFAS: PFBS, PFHxS, PFNA, and HFPO-DA or GenX Chemicals in accordance with EPA MCLs. The denominators in the equation are equal to the highest level determined not to have risk of health effects for that analyte. The numerators are equal to the detected concentration of the analyte in that sample.

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index$$

[d] HI values could not be calculated because two or more of the four analytes were not detected

Highlight indicates values greater than screening level

Bold indicates detected values

Italics indicates nondetected values that exceed the screening level

Acronyms:

ng/L = nanogram per liter
EPA = U.S. Environmental Protection Agency
FD = field duplicate
HI = Hazard Index
J = Result is estimated
J+ = Result is estimated biased high
MCL = maximum contaminant level
N = parent sample
NA = Not applicable
NS = not sampled
Q = qualifier
RSL = regional screening level
U = Analyte was not detected at the associated value, which is the method detection limit.
* It should be noted that PFOS was detected in blanks and the PFOS results are biased high

Table 2
Detected PFAS Analytical Results in Groundwater

				Location	MW-30C		MW-30RA		MW-30RB		Field Blank		Equipment Blank		MW-39S		MW-39D		MW-39D		Field Blank	
				Sample Name	MW30C-GW031225		MW30RA-GW031125		MW30RB-GW031125		FB01-GW031225		EB01-GW031225		MW39S-GW060525		MW39D-GW060525		FD02-GW600525		FB01-GW060525	
				Parent Sample															MW39D-GW060525			
				Sample Type	N		N		N		FB		EB		N		N		FD		FB	
				Sample Date	3/12/2025		3/11/2025		3/11/2025		3/12/2025		3/12/2025		6/5/2025		6/5/2025		6/5/2025		6/5/2025	
Analyte	Sampling Method	Screening Level	Unit		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L		1.26	U	**1.68**	**J**	1.21	U	1.20	U	1.20	U	1.20	U	1.22	U	1.24	U	**4.19**	**J**
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L		1.01	U	**1**	**J**	0.97	U	0.96	U	0.96	U	0.97	U	0.98	U	0.99	U	**3.5**	**J**
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA Method 1633		ng/L		**0.7**	**J**	0.11	U	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA Method 1633		ng/L		**0.37**	**J**	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U
Perfluorobutanesulfonic acid (PFBS)	EPA Method 1633	600[a]	ng/L		**2.36**		**7.73**		**9.07**		0.18	U	0.18	U	**0.62**	**J**	0.18	U	0.19	U	0.19	U
Perfluorobutanoic acid (PFBA)	EPA Method 1633	1800[a]	ng/L		**22.4**		**4.83**	**J**	**4.61**	**J**	0.46	U	0.46	U	0.46	U	0.46	U	0.47	U	0.47	U
Perfluorodecanoic acid (PFDA)	EPA Method 1633	0.004[a]	ng/L		**0.45**	**J**	*0.13*	*U*	*0.12*	*U*	0.12	U	0.12	U	0.12	U	0.13	U	0.13	U	0.13	U
Perfluoroheptanoic acid (PFHpA)	EPA Method 1633		ng/L		**2.83**		**2.05**		**2.36**		0.15	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U
Perfluorohexanesulfonic acid (PFHxS)	EPA Method 1633	10[b]	ng/L		**1.21**	**J**	**1.8**		**1.43**		0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.23	U
Perfluorohexanoic acid (PFHxA)	EPA Method 1633	990[a]	ng/L		**7.4**		**5.63**		**4.98**		0.12	U	0.12	U	**0.35**	**J**	0.13	U	0.13	U	0.13	U
Perfluorononanoic acid (PFNA)	EPA Method 1633	10[b]	ng/L		**0.85**	**J**	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Perfluorooctanesulfonic acid (PFOS) *	EPA Method 1633	4[b]	ng/L		**1.47**	**J+**	**0.81**	**J+**	**0.97**	**J+**	**0.65**	**J**	**0.71**	**J**	0.21	U	0.21	U	0.22	U	0.22	U
Perfluorooctanoic acid (PFOA)	EPA Method 1633	4[b]	ng/L		**3.51**		**3.38**		**4.96**		0.11	U	0.11	U	**0.25**	**J**	**0.22**	**J**	**0.24**	**J**	**0.22**	**J**
Perfluoropentanesulfonic acid (PFPeS)	EPA Method 1633		ng/L		**0.59**	**J**	**0.3**	**J**	**0.37**	**J**	0.20	U	0.20	U	0.2	U	0.20	U	0.21	U	0.21	U
Perfluoropentanoic acid (PFPeA)	EPA Method 1633		ng/L		**15.8**		**6.98**		**6.7**		0.13	U	0.13	U	0.13	U	0.14	U	0.14	U	0.14	U
Perfluorotetradecanoic acid (PFTeDA)	EPA Method 1633	2000[a]	ng/L		0.12	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U
Hazard Index (HI) [c]	Calcualted	1			0.21		0.18		0.15		NA[d]		NA[d]		NA[d]		NA[d]		NA[d]		NA[d]	

Notes:

[a] Screening level is EPA Tap Water RSL (target cancer risk 1 x 10-6, hazard quotient = 0.1) (U.S. EPA November 2024)

[b] Screening level is EPA MCL

[c] HI was calculated using the following equation for mixtures of at least two of the following four PFAS: PFBS, PFHxS, PFNA, and HFPO-DA or GenX Chemicals in accordance with EPA MCLs. The denominators in the equation are equal to the highest level determined not to have risk of health effects for that analyte. The numerators are equal to the detected concentration of the analyte in that sample.

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index$$

[d] HI values could not be calculated because two or more of the four analytes were not detected

Highlight indicates values greater than screening level

Bold indicates detected values

Italics indicates nondetected values that exceed the screening level

Acronyms:

ng/L = nanogram per liter
EPA = U.S. Environmental Protection Agency
FD = field duplicate
HI = Hazard Index
J = Result is estimated
J+ = Result is estimated biased high
MCL = maximum contaminant level
N = parent sample
NA = Not applicable
NS = not sampled
Q = qualifier
RSL = regional screening level
U = Analyte was not detected at the associated value, which is the method detection limit.
* It should be noted that PFOS was detected in blanks and the PFOS results are biased high

Appendix A -Final PFAS Groundwater Sampling Data Summary Report

FINAL
PFAS Groundwater Sampling Data Summary Report

CONTRACT NO.: W912DQ-21-D-3004
TASK ORDER NO.: W912DQ22F3063

700 South 1600 East PCE Plume Site
Salt Lake City, Utah

U.S. Army Corps of Engineers
Kansas City District

Department of Veterans Affairs
Veterans Health Administration Salt Lake City Health Care System

November 2025

CDM Smith

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Acronyms and Abbreviations

%	percent
bgs	below ground surface
CDM Smith	CDM Federal Programs Corporation
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
HDPE	high-density polyethylene
HFPO-DA	hexafluoropropylene oxide dimer acid
IDW	investigation-derived waste
MCL	maximum contaminant level
µs/cm	microsiemens per centimeter
mg/L	milligrams per liter
mL/min	milliliters per minute
mV	millivolt
ng/L	nanograms per liter
NTU	nephelometric turbidity unit
ORP	oxidation-reduction potential
OU	operable unit
PA	preliminary assessment
PCE	tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
PFBS	perfluorobutanesulfonic acid
PFDA	perfluorodecanoic acid
PFHxS	perfluorohexanesulfonic acid
PFNA	perfluorononanoic acid
PFOA	perfluorooctanoic acid
QAPP	quality assurance project plan
QC	quality control
QCSR	quality control summary report
RSL	regional screening level
SI	site inspection
site	700 South 1600 East PCE Plume Superfund Site
SOP	standard operating procedure
VAMC	Veterans Affairs Medical Center
ZIST	Zone Isolation Sampling Technology

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Section 1
Introduction

Under the U.S. Army Corps of Engineers – Kansas City District, Contract No. W912DQ-21-D-3004, Task Order No. W912DQ22F3063, CDM Federal Programs Corporation (CDM Smith) was directed to perform groundwater sampling for per- and polyfluoroalkyl substances (PFAS) for Operable Unit (OU) 1 of the 700 South 1600 East Tetrachloroethene (PCE) Plume Superfund Site (site) in Salt Lake City, Utah, in support of a PFAS Site Inspection (SI) currently underway by the Veterans Health Administration. CDM Smith prepared this data summary report to present the results of the PFAS groundwater sampling events completed in March and June of 2025.

1.1 Background

The Salt Lake City Healthcare System George E. Wahlen Veterans Affairs Medical Center (VAMC) is located in Salt Lake City, Utah (**Figure 1**). PCE contamination was first identified in groundwater in 1990 at the nearby Mt. Olivet Cemetery irrigation well by the Salt Lake City Department of Public Utilities. This led to the involvement of the U.S. Environmental Protection Agency (EPA) and Utah Department of Environmental Quality at the site. The preliminary determination was that the source of PCE in groundwater was the historical dry-cleaning facility located at VAMC. The Veterans Health Administration operated a part-time dry-cleaning operation that used PCE over a 6-year period from approximately 1976 to 1982. During this period, dry-cleaning residuals were disposed into the sanitary sewer. A PCE groundwater plume is present beneath the VAMC property and in areas hydraulically downgradient. The remedial investigation at the site was completed in 2022 (CDM Smith 2022).

PFAS can be found in a variety of products used in the healthcare industry. At the direction of the EPA, the VA completed a Preliminary Assessment (PA) for PFAS to: (1) identify processes and locations at the VAMC where PFAS-containing products may have been used, (2) assess the likelihood of a release to the environment, and (3) to conduct an initial assessment of possible migration pathways and receptors (VA 2025).

Although the VAMC has never manufactured PFAS or used high-purity PFAS in site activities, PFAS-containing products were used on-site (e.g., cleaning and laundering products, medical products and devices), as described in the PA (VA 2025). The PA did not identify any confirmed release of PFAS; however, it was noted that potential PFAS contamination would likely be the result of disposing spent products into the sanitary sewer system. Environmental media at the VAMC have not yet been sampled for PFAS; therefore, the presence or absence of PFAS in environmental media at the site is unknown. This investigation was designed as part of the SI to evaluate whether PFAS was present in the subsurface resulting from historical PFAS usage and discharge of PFAS-containing materials to the sanitary sewer (CDM Smith 2025).

1.2 Purpose and Scope

The SI was performed to assess the presence or absence of PFAS in groundwater at the site because groundwater is the sole environmental medium at the site for which there is a potential

exposure pathway. Groundwater samples were collected from selected existing wells to evaluate the presence or absence of PFAS in groundwater at the site. Samples were collected from wells within the boundaries of the PCE plume. The sample locations were chosen for the following reasons (VA 2025, CDM Smith 2025):

- MW-30 is hydraulically downgradient from Buildings 1 and 14, based on the 2024 annual groundwater contours (Appendix C), which housed activities that utilized cleaning supplies and former x-ray development equipment resulting in past and current disposal of residual PFAS to the sanitary sewer, MW-30 is also on the northwest property boundary and provides on-campus monitoring closest to SLC-18.
- MW-05 is hydraulically downgradient from Building 2 where the use of cleaning supplies results in disposal of residual PFAS to sanitary sewer. This well is also upgradient of the PCE plume and of potential release points near Building 7, thus is used as the upgradient comparison location for PFAS samples collected within the PCE plume.
- MW-24 is near the sewer line connection to Building 7, downgradient of the former dry cleaning operation and upgradient of the PCE plume. hydraulically down gradient of the sewer line exiting building 7 where dry-cleaning and laundry services were conducted
- MW-29 is hydraulically downgradient of the identified break in the sewer line, a suspected PCE source.
- MW-03R is hydraulically downgradient of campus activities, and where the highest concentration of PCE has been observed
- After completion of the Final PFAS QAPP (CDM Smith 2025), VA decided to collect PFAS samples from location MW-39 in June 2025. MW-39 is located between the highest-concentration area of the PCE plume and municipal well SLC-18, and is the closest monitoring well to SLC-18.

In accordance with the Final Quality Assurance Project Plan (QAPP) for PFAS Site Inspection (CDM Smith 2025), the specific study questions are as follows:

- Are the PFAS compounds measured using EPA Method 1633 present at concentrations above the most current version of the maximum contaminant levels (MCLs) or regional screening levels (RSLs) in groundwater at the VAMC?
- If PFAS compounds, quantified by Method 1633, are detected in groundwater above the applicable screening levels, can the detections be attributed to specific locations or operations at the VAMC that were identified during the PA as potentially using PFAS?

This data summary report was compiled to describe the work conducted and present the analytical and field data collected during the groundwater sampling events.

Section 2
Field Sampling Activities

The following sections describe field sampling activities completed in March and June of 2025.

2.1 Groundwater Sampling

The groundwater monitoring events occurred between March 10–13, 2025, and June 5, 2025, and included the collection of groundwater samples from 14 wells at six locations. **Figure 1** shows all monitoring wells, and **Table 1** presents the location data and well construction details. CDM Smith conducted the sampling activities in accordance with the Final PFAS QAPP (CDM Smith 2025).

Appendix A contains field forms associated with the events, including the field logbook pages, water level measurement recordings, and sample purge forms.

2.1.1 Well Preparation

Approximately 3 weeks prior to sampling, between February 18–20, 2025, 12 of the designated wells were rehabilitated with PFAS-free materials. MW-39S/D had PFAS-free bladder pumps installed after its installation in 2024. For wells with Zone Isolation Sampling Technology (ZIST) pumps, the pumps and tubing were removed. Pumps were cleaned with Alconox detergent and ASTM Type II DI water; any missing or broken pieces were replaced and the old Teflon-lined tubing was replaced with high-density polyethylene (HDPE) tubing. Two monitoring wells, MW-29A and MW-03RA, had volume boosters containing Teflon pieces. The volume boosters were rebuilt and replaced by the manufacturer using HDPE components. For wells with Solinst bladder pumps, the pumps were removed, disassembled, and cleaned with Alconox and ASTM Type II DI water. The internal rod, Teflon bladder, and Teflon check valves were removed and replaced with new PFAS-free Santoprene bladder cartridges and stainless-steel check valves. The updated design of the Santoprene bladder cartridges do not require the internal rod; therefore, the rods were not reinstalled. The Teflon-lined tubing was replaced with new HDPE double-bonded tubing.

2.1.2 Synoptic Water Level Measurements

Prior to groundwater sampling activities, synoptic water levels were collected from 30 monitoring wells on the VA campus and downgradient (west) to Guardsman Way on March 10 to 13, 2025. Groundwater level measurements were conducted following procedures outlined in Standard Operating Procedure (SOP) 1-6, *Groundwater Level Measurement* (CDM Smith 2025). Manual water level measurements were recorded from the northern edge of the casing using electronic water level meters. **Table 2** presents water levels for March 2025.

The collection of water level measurements in monitoring wells with dedicated ZIST pumps requires pulling the pump and allowing the water to equilibrate in the well casing. ZIST pumps provide isolation of the screen by creating a seal in the well casing when the pump is properly seated in the well screen receiver. To collect water level measurements, the pumps were pulled at

least 1 foot out of the receiver to allow the water level to equilibrate following pump removal. After verifying that water levels had stabilized, the water level measurements were recorded manually and the pump was reseated.

The following wells have dedicated ZIST pumps:

- MW-03RA/B/C/D
- MW-29A[1]/B/C
- MW-30C

2.1.3 Groundwater Sampling Procedures

Each well was purged to remove a minimum volume that was calculated before the event. The minimum purge volume is three times the total amount of stagnant water in the pump and tubing. Low-flow groundwater sampling includes purging the well at a rate typically less than 500 milliliters per minute (mL/min) and with minimal drawdown (less than 0.3 feet). This ensures that the water sampled is representative of the formation surrounding the screened interval and not of the stagnant water column. If the drawdown exceeds 0.3 feet, then the stagnant water column is contributing to the purge water, and the minimum purge volume must be recalculated. Once the minimum purge volume was removed and water quality parameters stabilized, as described in CDM Smith SOP 1-12, samples were collected.

All groundwater sampling was completed according to CDM Smith SOP 1-12, Low-Stress (Low-Flow) Groundwater Sampling (CDM Smith 2025). Stabilization criteria were modified to permit stabilization of turbidity whenever three consecutive readings are below 10 nephelometric turbidity units (NTUs) or are within ±10% for values greater than 10 NTUs, with deviations noted in Section 2.3. High turbidity can potentially bias the PFAS analytical results in water samples. All collected samples had turbidity levels below 10 NTUs, as detailed further in Section 3.3. **Appendix A** provides field documentation of sampling procedures.

2.1.4 Sample Analysis

For low-flow sampling locations, water quality parameters were measured continuously while purging with a flow-through cell. The following parameters were recorded for each well:

- Dissolved oxygen (DO)
- Oxidation-reduction potential (ORP)
- pH
- Temperature
- Conductivity
- Turbidity

[1] ZIST wells constructed without a pump receiver.

All samples were analyzed for PFAS by EPA Method 1633.

All samples were submitted to Sterling Laboratories Inc., a National Environmental Laboratory Accreditation Program-certified laboratory in Des Plaines, Illinois. **Appendix B** includes laboratory data. Field quality control samples were collected, including field duplicates, matrix/matrix spike duplicates, and field blanks. The Quality Control Summary Report (QCSR) in **Appendix B** discusses quality control (QC) samples**.**

The team collected 14 of 14 planned field samples, not including QC samples. The completeness for the number of samples planned versus the number of samples collected was 100 percent (%). The achievement of the completeness goals provides sufficient data for project decisions. Sample results meet the data quality objectives presented in the QAPP (CDM Smith 2025).

2.2 Decontamination and Investigation-Derived Waste

All nondedicated equipment used during the groundwater sampling event was decontaminated following the procedures outlined in SOP 4-5, Field Equipment Decontamination at Nonradioactive Sites (CDM Smith 2025). Laboratory-provided PFAS-free water was used for decontamination. Nondedicated equipment used during this event included electronic water level meters. In accordance with the approved Final PFAS QAPP (CDM Smith 2025), equipment blanks were collected at a rate of one per day when nondedicated pumps were being used. Because non-dedicated pumps were not used, one equipment blank was collected through the inner barrel and new Santoprene bladder of the dedicated pump at MW-24 after decontamination and replacement of Teflon pump components to verify PFAS-free part exchange practices. An equipment blank was not collected from the ZIST pumps, as these pumps do not contain Teflon parts. Equipment blank collection is not required in the Final PFAS QAPP (CDM Smith 2025).

Investigation-derived waste (IDW) was handled per SOP 2-2, Guide to Handling Investigation-Derived Waste (CDM Smith 2025). All decontamination water and purge water were containerized at their source and transferred to the 2,000-gallon holding tank at VAMC. Work is ongoing at the site; therefore, once full, the tank will be sampled and emptied by a certified IDW disposal company.

2.3 Deviations from the Quality Assurance Project Plan

The following QAPP deviations occurred during the sampling events:

- The synoptic water level event was completed within 24 hours, with the exception of MW-29A. The water level in this well was below the top of the volume booster and the water level meter probe could not pass through. The pump was pulled after sample collection, then it was bagged, labeled, and stored overnight to allow the water level to recover and stabilize. The water level was recorded the following morning, and the pump was redeployed. The water levels were all measured within 68 hours; the data are usable as intended.
- During well preparation for PFAS sampling, MW-27 was mistaken for MW-24. The new tubing, check valves, and bladder were replaced in MW-27 instead of MW-24. This oversight was caught prior to sampling. On March 12, 2025, the pump at MW-24 was

cleaned and decontaminated, then the Teflon bladder, check valves, and tubing were replaced, and an equipment blank was collected from the decontaminated pump prior to deployment. MW-24 was sampled the next morning on March 13, 2025.

- Water level drawdown is not recorded at ZIST wells because the ZIST pump connects to a receiver at the top of the well screen for sampling, isolating the water column in the well casing from the screen interval. These well forms indicate NA for the water level drawdown. ZIST wells were sampled following the low-flow procedures except recording water level drawdown.

2.4 Data Quality Review

Groundwater samples were collected between March 11–13, 2025, and on June 5, 2025. All samples collected from this sampling event were validated following the appropriate procedures, as identified in the Final PFAS QAPP (CDM Smith 2025). Of the data reported and validated, 100% are suitable for their intended use. Sample results that were qualified as estimated are usable for project decisions. No sample results were rejected. **Appendix B** includes the groundwater QCSR.

Section 3
Groundwater Monitoring Results

This section summarizes the groundwater monitoring results.

3.1 Groundwater Elevations

Table 2 presents groundwater elevations for a subset of 30 wells located on the VAMC property and west to Guardsman Way, in accordance with the Final PFAS QAPP (CDM Smith 2025). Potentiometric groundwater surface maps were developed for the shallow and deep aquifers presented in **Figure 2a** and **Figure 2b** from the manual groundwater level measurements collected between March 10 and March 13. Vertical gradients were calculated using the approach described by EPA (2016). The following text discusses the groundwater elevation evaluations.

Based on the observed piezometric heads, the subsurface was divided into the following hydraulic zones:

- **Perched Zone:** This zone is situated above the water table; it exhibits significantly higher piezometric heads than what is observed at other wells. The only wells that exhibit this feature are MW-06 (screened 100 to 130 feet below ground surface [bgs]) and MW-29A (screened 120 to 130 feet bgs). Perched head data have not been contoured.
- **Shallow Aquifer Zone:** This zone extends to approximately 220 feet bgs at VAMC Building 7 and becomes more shallow to the west as the ground surface dips. The shallow aquifer zone is contoured (using a 5-foot contour interval) in **Figure 2a**.
    - Flow directions are generally toward the northwest in the area where measurements were collected during March 2025. This varies slightly from previously-observed groundwater flow directions at the site. The potentiometric surface map from the 2024 annual groundwater sampling event, showing flow direction toward the west - northwest near the VAMC campus, is presented in **Appendix C**.
- **Deep Aquifer Zone:** This zone sits below approximately 260 feet bgs at VAMC Building 7 and becomes more shallow to the west as the ground surface dips. The deep aquifer zone is contoured (using a 1-foot contour interval) in **Figure 2b.**
    - Flow directions are generally toward the north-northwest in the area where measurements were collected during March 2025. This varies slightly from previously-observed groundwater flow directions at the site. The potentiometric surface map from the 2024 annual sampling event, showing flow direction toward the west -northwest near the VAMC campus, is presented in **Appendix C**
    - Piezometric heads at MW-03RB/C are approximately 15 feet lower than in the shallow aquifer zone situated approximately 40 feet above. These steep vertical gradients are indicative of hydraulic separation between the shallow and deep aquifer zones, likely because of the presence of a semiconfining unit between 220 and 260 feet bgs.

- **Intermediate Zone:** This zone sits between the shallow and deep aquifer zones (approximately 220 to 260 feet bgs) at wells near VAMC Building 7, including MW-23B, MW-25B, MW-26B, MW-29C, and MW-30RA. The zone is characterized by heads that are slightly lower than those in the shallow aquifer zone. It is unclear how laterally extensive this zone is and whether it is bounded by lower permeability units. Head data from this unit have not been contoured.

3.2 Groundwater PFAS Results

Table 3 presents data collected during the March and June 2025 groundwater sampling event—(1) the PFAS analytical results and (2) the concentrations of detected PFASs compared to the EPA MCLs RSLs for tap water (for compounds without an established MCL). For four PFAS compounds—hexafluoropropylene oxide dimer acid (HFPO-DA, or GenX), perfluorobutanesulfonic acid (PFBS), perfluorononanoic acid (PFNA), and perfluorohexanesulfonic acid (PFHxS)—the MCL is based on the hazard index calculation if two or more of these compounds are detected in a sample (EPA 2024). The hazard index value was calculated for each sample where concentrations of two or more of these compounds were detected using Equation 1.

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index \qquad \text{Equation 1}$$

Detections are presented as bolded values and exceedances of the MCL or RSL are presented as highlighted values. **Figure 3** shows the detections.

A total of 12 field samples were collected for PFAS analysis during the March 2025 event, and two field samples were collected in June 2025. Additional QC samples included three field duplicates, two field blanks, and one equipment blank. PFAS were detected in every field sample, with each sample having detections of 1 to 13 different analytes per well. MW-30RB was the only well that had an exceedance of an MCL, with a perfluorooctanoic acid (PFOA) concentration of 4.96 nanograms per liter (ng/L), which exceeds the MCL of 4.0 ng/L. The concentration of perfluorodecanoic acid (PFDA) at MW-30C (0.45 ng/L) was the only exceedance of its respective RSL of 0.004 ng/L. The RSLs and MCLs for each PFAS analyte can be found in worksheet #15 of the Final PFAS QAPP (CDM Smith 2025).

In total, there were 118 detections for 16 different PFAS analytes. All calculated HIs were less than 1 and do not exceed the MCL. It should be noted that PFOS was detected in all 12 normal samples including the 2 field duplicates and 2 blank samples in March 2025. PFOS was not detected in the June 2025 samples. Detected sample concentrations were between the method detection limit and method reporting limit except for 3 sample results that were slightly above the method reporting limit. All detected PFOS results were qualified as estimated biased high based on method blank, field blank and equipment blank criteria. None of the detected PFOS results were above the screening level.

3.3 Groundwater General Chemistry

Before sampling, water quality parameters were collected in the field to determine whether the well had stabilized and was ready to sample. The water quality field parameters included

dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductance, temperature, and turbidity. Once the well was deemed stable after purging, the final parameter readings are recorded prior to sampling. These final readings are presented in **Table 4**.

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Section 4
Summary

This report presents the results from the PFAS groundwater sampling event conducted at the 700 South 1600 East PCE Plume Superfund Site in March and June 2025. This sampling event was conducted to evaluate the presence or absence of PFAS in groundwater at select existing monitoring wells at the site. There was one exceedance of an MCL for PFOA at MW-30RB (4.98 ng/L), which exceeded the MCL of 4 ng/L. There was one exceedance of a RSL for PFDA at MW-30C (0.45 ng/L), which exceeded its RSL of 0.004 ng/L. There were no exceedances of MCLs or RSLs at monitoring well locations within the PCE plume at the site. MW-30RB and MW-30C are located at the northwest corner of the VAMC campus and are outside of the defined boundary of the PCE plume; therefore, the PFAS present at these locations exceeding MCLs or RSLs are sourced from different locations than the PCE plume.

Based on the findings of the PA (VA 2025), identified historical uses of PFOA on the VAMC campus would have been limited to its potential presence in treated fabrics that were laundered at Building 7, meaning the most likely release mechanism for PFOA would be associated with dry cleaning or laundry service and historical disposal to the sanitary sewer near Building 7, similar to the release mechanisms for PCE. MW-30RB and MW-30C are hydraulically cross-gradient of the PCE plume based on historical measurements of groundwater flow direction (Appendix C). The only identified activities using PFAS-containing chemicals at Buildings 1, 2, and 14, located upgradient of MW-30RB and MW-30C, were uses of cleaning supplies reported to contain PFBS as well as small quantities of x-ray developer. PFBS was not detected at concentrations exceeding its RSL. The PA did not identify uses of chemicals containing PFDA at the VAMC campus.

For these reasons, the PFAS compounds exceeding screening levels at MW-30RB and MW-30C are likely sourced from areas outside the VAMC campus.

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Section 5
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Figures

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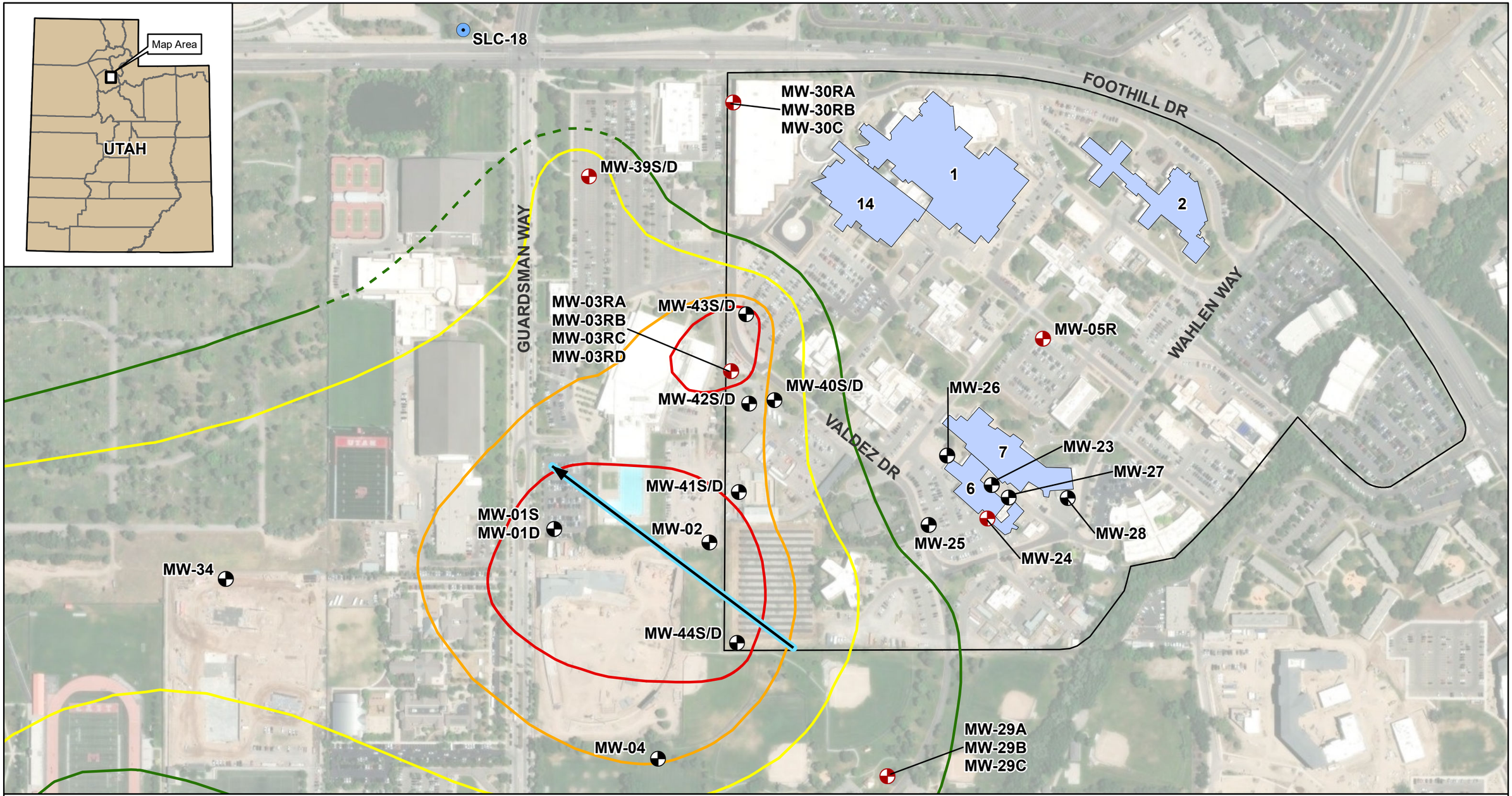


Legend

- Drinking Water Supply Well
- Monitoring Well (MW)
- PFAS Sampling Location
- Groundwater Flow Direction
- Veteran Affairs Medical Center Campus
- 5 µg/L
- 10 µg/L
- 50 µg/L
- 100 µg/L

Dashed Line - Inferred Extent

Notes
µg/L = micrograms per liter
PCE = tetrachloroethene
PFAS = per- and polyfluoroalkyl substances

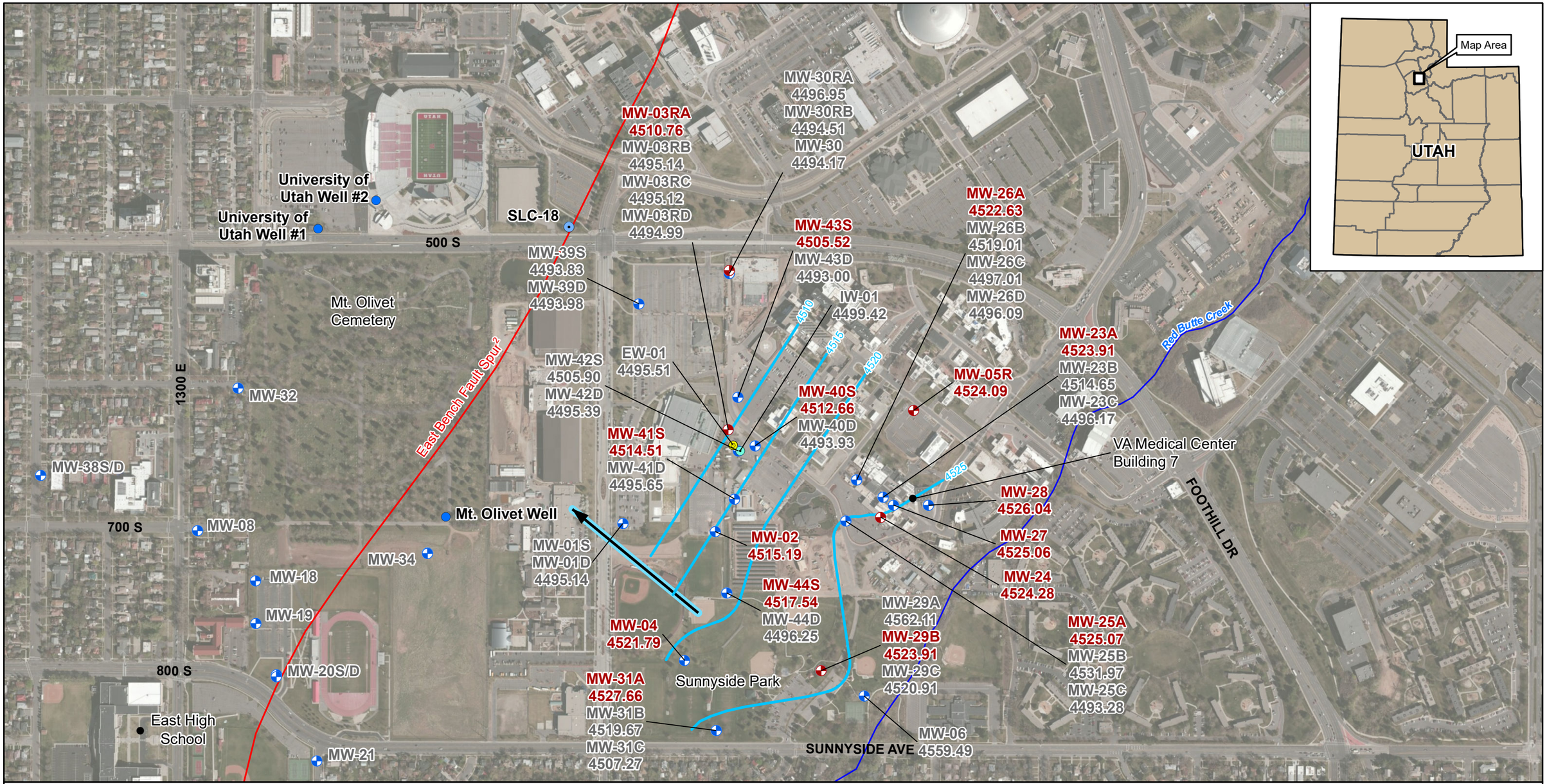
N
W E
S

0 250 500 Feet

Figure 1
PFAS Sampling Locations

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig1_PFAS_Sampling_Location.mxd WAGNERA 11/21/2025



PFAS Sampling Location
Monitoring Well
Extraction Well
Injection Well
Drinking Water Supply Well
Irrigation Well
Landmark
Fault Line
Groundwater
Dashed Line - Inferred Extent
Groundwater Flow
Red Butte Creek

Notes:
1. All ground surface elevations in feet amsl
2. Measurements taken March 10th through 11th 2025.
3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only

[1] Davis, F.D. 1983. Geologic Map of the Central Wasatch Front, Utah. Utah Geological and Mineral Survey. Map 54-A – Wasatch Front Series. May.
[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

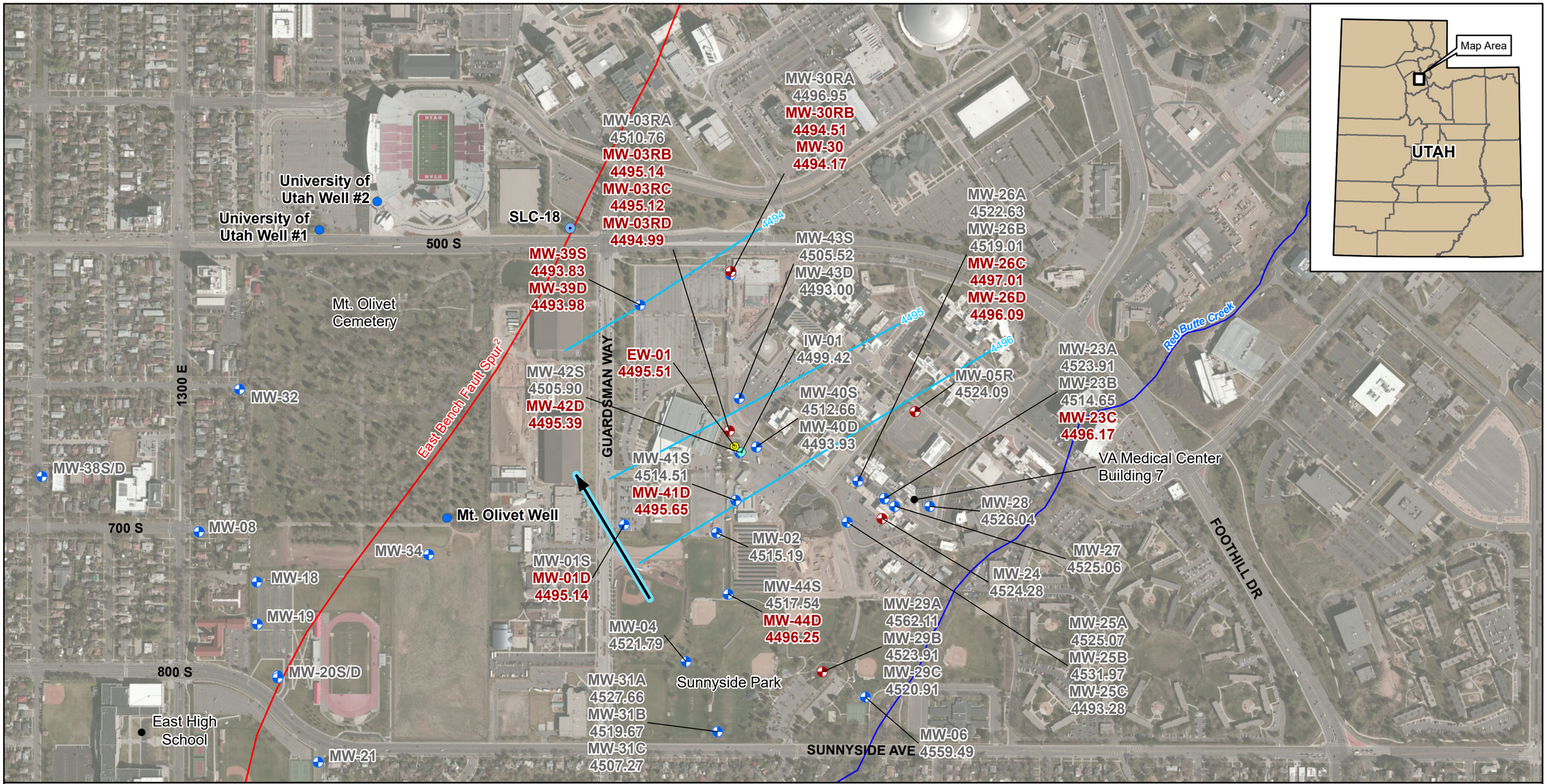
amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well
IW = injection well
RG = residential groundwater sample
NM = Not measured

N W E S
0 500 1,000 Feet

Figure 2a
Potentiometric Surface Map
Shallow Aquifer

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig2a_GW_Shallow_Aquifer_Mar2025.mxd WAGNERA 11/21/2025 5:55:44 PM



Legend

- PFAS Sampling Location
- Monitoring Well
- Extraction Well
- Injection Well
- Drinking Water Supply Well
- Irrigation Well
- Landmark
- Fault Line
- Groundwater Contour
- Dashed Line - Inferred Extent
- Groundwater Flow Direction
- Red Butte Creek

Notes:
1. All ground surface elevations in feet amsl
2. Measurements taken March 10th through 11th 2025.
3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only

[1] Davis, F.D. 1983. Geologic Map of the Central Wasatch Front, Utah. Utah Geological and Mineral Survey. Map 54-A – Wasatch Front Series. May.
[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well
IW = injection well
RG = residential groundwater sample
NM = Not measured

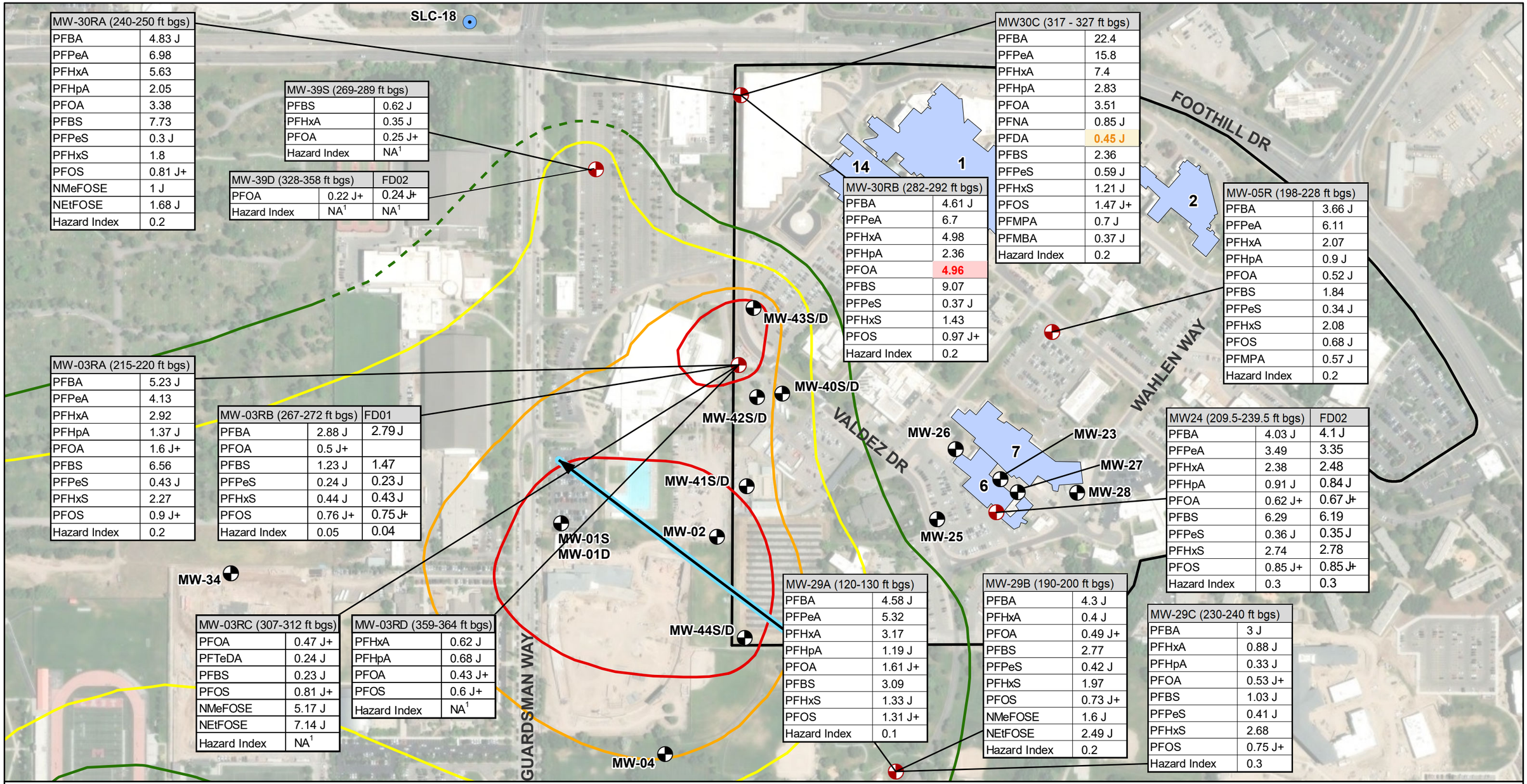
N W E S

0 500 1,000 Feet

Figure 2b
Potentiometric Surface Map
Deep Aquifer

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig2b_GW_Deep_Aquifer_Mar2025.mxd WAGNERA 11/21/2025 5:21:45 PM



Legend

- Monitoring Well
- PFAS Sampling Location
- Drinking Water Supply Well
- Groundwater Flow Direction
- Buildings
- George E. Wahlen Veterans Affairs Medical Center Boundary

PCE Isoconcentration Contours

- 5 µg/L
- 10 µg/L
- 50 µg/L
- 100 µg/L

Dashed Line - Inferred Extent

The MCL for PFOS and PFOA is 4.0 ng/L
The MCL for PFHxS and PFNA is 10 ng/L
The MCL for the Hazard Index value is 1.0 for PFBS, PFHxS, PFNA, and HFPO-DA.

Notes:
XX - exceeds the maximum contaminant limit (MCL)
XX - exceeds the regional screening level (RSL)
The Hazard Index Value is a calculation that is unitless, all other values are in ng/L
J = Result is estimated
J+ = Result is estimated biased high
NA = Not Applicable
bgs = below ground surface
PFHxA = Perfluorohexanoate
PFHpA = Perfluoroheptanoate
PFOA = Perfluorooctanoate
PFOS = Perfluorooctanesulfonate
PFBA = Perfluorobutanoate
PFPeA = Perfluoropentanoate
PFBS = Perfluorobutanesulfonate
PFPeS = Perfluoropentanesulfonate
PFHxS = Perfluorohexanesulfonate
PFNA = Perfluorononanoate
PFDA = Perfluorodecanoate
PFMPA = Perfluoro-3-methoxybutanoic acid
PFMBA = Perfluoro-4-methoxybutanoic acid
NMeFOSE = N-Methylperfluorooctanesulfonamidoethanol
NEtFOSE = N-Ethylperfluorooctanesulfonamidoethanol

[1] HI values could not be calculated because two or more of the four analytes were not detected.

N W E S

0 250 500 Feet

Figure 3
PFAS Results in Groundwater

700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2025\Meetings_2025\Fig3_PFAS_Sampling_Results.mxd WAGNERA 11/21/2025

Tables

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Table 1
Monitoring Well Survey Data and Construction Details

Location	Sample Interval	Y Coordinate (Utah State Plane, ft)[1]	X Coordinate (Utah State Plane, ft)[1]	Surface Elevation (ft amsl)[2]	Top of casing elevation (ft amsl)[2]	Total Well Depth (ft bgs)	Screen Start (ft bgs)	Screen End (ft bgs)	Pump Depth (ft bgs)	Pump Type
MW-03R	A	7444184.95	1545418.14	4698.74	4698.12	223	215	220	215	ZIST/Gas - with reciever
	B	7444185.07	1545418.33		4697.90	275	267	272	267	ZIST/Gas - with reciever
	C	7444185.19	1545418.23		4697.92	315	307	312	307	ZIST/Gas - with reciever
	D	7444184.80	1545418.35		4697.93	367	359	364	359	ZIST/Gas - with reciever
MW-05R	-	7444293.35	1546450.34	4738.25	4737.99	230	198	228	222	Solinst bladder pump
MW-24	-	7443698.8	1546266.33	4709.77	4709.19	250	209.5	239.5	211	Solinst bladder pump
MW-29	A	7442846.05	1545935.56	4679.35	4678.46	132	120	130	128	ZIST/Gas - w/o reciever
	B	7442845.99	1545935.56		4678.45	202	190	200	190	ZIST/Gas - with reciever
	C	7442845.97	1545935.69		4678.68	242	230	240	230	ZIST/Gas - with reciever
MW-30R	RA	7445055.90	1545425.16	4722.89	4722.60	252	240	250	245	Solinst bladder pump
	RB	7445055.64	1545425.20		4722.36	294	282	292	285	Solinst bladder pump
MW-30	C	7445073.42	1545425.05	4723.07	4721.92	329	317	327	317	ZIST/Gas - with reciever
MW-39	S	7444885.96	1544921.12	4698.78	4698.34	289	269	289	279	QED bladder pump
	D	7444885.82	1544921.30		4698.35	358	328	358	343	QED bladder pump

Notes:
[1] X/Y Coordinates measured using NAD 83 State Plane Coordinate System
[2] Elevations measured using NAVD 88 vertical datum

Acronyms:
amsl = above mean sea level
bgs = below ground surface
ft = feet
w/o = without
ZIST = Zone Isolation Sampling Technology

Table 2
Groundwater Elevations

Location	Sample Interval	Screen Start (ft bgs)	Screen End (ft bgs)	Top of Casing Elevation (ft amsl)[1]	Aquifer Zone	Water Level Measurement Date and Time	Water Level Depth (ft btoc)	Water Level Elevation (ft amsl)[1]	Direction of Gradient[2]	Vertical Gradient[2]
MW-01S	-	184	224	4664.80	Shallow	NM	NM	NM	down	NA
MW-01D	-	364	404	4664.80	Deep	3/10/25 14:37	169.66	4495.14		
MW-02	-	175.5	202.5	4685.24	Shallow	3/10/25 17:20	170.05	4515.19	-	-
MW-03R	A	215	220	4698.12	Shallow	3/11/25 8:51	187.36	4510.76	down	0.27
	B	267	272	4697.90	Deep	3/11/25 8:53	202.76	4495.14		
	C	307	312	4697.92	Deep	3/11/25 9:01	202.80	4495.12		
	D	359	364	4697.93	Deep	3/11/25 9:09	202.94	4494.99		
MW-04	-	143	173	4656.85	Shallow	3/10/25 13:24	135.06	4521.79	-	-
MW-05R	-	198	228	4737.99	Shallow	3/10/25 15:45	213.90	4524.09	-	-
MW-06	-	100	130	4678.66	Perched	3/10/25 13:45	119.17	4559.49	-	-
MW-23	A	210	220	4711.80	Shallow	3/11/25 9:27	187.89	4523.91	down	0.21
	B	250	260	4711.77	Intermediate	3/11/25 9:30	197.12	4514.65		
	C	348	358	4711.69	Deep	3/11/25 9:37	215.52	4496.17		
MW-24	-	209.5	239.5	4709.19	Shallow	3/10/25 18:17	184.91	4524.28	-	-
MW-25	A	201	211	4702.02	Shallow	3/10/25 17:58	176.95	4525.07	down	0.31
	B	231	241	4702.09	Intermediate	3/10/25 18:05	170.12	4531.97		
	C	307.5	317.5	4702.07	Deep	3/10/25 18:16	208.79	4493.28		
MW-26	A	205	215	4712.29	Shallow	3/10/25 18:27	189.66	4522.63	down	0.25
	B	235	245	4712.55	Intermediate	3/10/25 18:39	193.54	4519.01		
	C	315	325	4712.51	Deep	3/10/25 18:54	215.50	4497.01		
	D	347.75	357.75	4712.50	Deep	3/10/25 19:01	216.41	4496.09		
MW-27	-	200	220	4712.34	Shallow	3/10/25 15:25	187.28	4525.06	-	-
MW-28	-	190	210	4712.54	Shallow	3/10/25 17:37	186.50	4526.04	-	-
MW-29	A	120	130	4678.46	Perched	3/13/25 8:29	116.35	4562.11	down	0.05
	B	190	200	4678.45	Shallow	3/11/25 9:59	154.54	4523.91		
	C	230	240	4678.68	Intermediate	3/11/25 9:51	157.77	4520.91		
MW-30R	A	240	250	4722.60	Deep	3/10/25 16:00	225.65	4496.95	down	0.01
	B	282	292	4722.36	Deep	3/10/25 16:10	227.85	4494.51		
MW-30	C	317	327	4721.92	Deep	3/11/25 8:43	227.75	4494.17		
MW-31	A	138	148	4654.27	Shallow	3/10/25 12:43	126.61	4527.66	down	0.21
	B	190	200	4654.39	Shallow	3/10/25 12:58	134.72	4519.67		
	C	228	238	4654.35	Deep	3/10/25 13:12	147.08	4507.27		
MW-39S	-	269	289	4698.34	Deep	3/10/25 15:01	204.51	4493.83	up	0.00
MW-39D	-	328	358	4698.35	Deep	3/10/25 15:15	204.37	4493.98		
MW-40S	-	230	240	4701.87	Shallow	3/10/25 16:18	189.21	4512.66	down	0.25
MW-40D	-	295	305	4701.86	Deep	3/10/25 16:22	207.93	4493.93		
MW-41S	-	216	226	4689.83	Shallow	3/10/25 15:29	175.32	4514.51	down	0.28
MW-41D	-	272	282	4689.84	Deep	3/10/25 15:22	194.19	4495.65		
MW-42S	-	246	256	4697.12	Shallow	3/10/25 16:05	191.22	4505.90	down	0.25
MW-42D	-	266	276	4697.12	Deep	3/10/25 16:08	201.73	4495.39		
MW-43S	-	225	235	4707.17	Shallow	3/10/25 16:56	201.65	4505.52	down	0.23
MW-43D	-	274	284	4707.21	Deep	3/10/25 16:52	214.21	4493.00		
MW-44S	-	195	205	4673.43	Shallow	3/10/25 14:06	155.89	4517.54	down	0.23
MW-44D	-	280	290	4673.44	Deep	3/10/25 14:02	177.19	4496.25		

Notes:
[1] Elevations measured using NAVD 88 vertical datum
[2] Direction and magnitude of vertical gradient is calculated between shallow and deep aquifers in paired/nested wells

Acronyms:
amsl = above mean sea level
bgs = below ground surface
btoc = below top of casing
ft = feet
NA = not applicable
NAVD = North American Vertical Datum
NM = not measured

Table 3
Detected PFAS Analytical Results in Groundwater

				Location	MW-03RA		MW-03RB		MW-03RB		MW-03RC		MW-03RD		MW-05R		MW-24		MW-24		MW-29A		MW-29B		MW-29C	
				Sample Name	MW03RA-GW031225		MW03RB-GW031225		FD01-GW031225		MW03RC-GW031225		MW03RD-GW031225		MW05R-GW031125		MW24-GW031325		FD02-GW031325		MW29A-GW031125		MW29B-GW031125		MW29C-GW031125	
				Parent Sample					MW03RB-GW031225										MW24-GW031325							
				Sample Type	N		N		FD		N		N		N		N		FD		N		N		N	
				Sample Date	3/12/2025		3/12/2025		3/12/2025		3/12/2025		3/12/2025		3/11/2025		3/13/2025		3/13/2025		3/11/2025		3/11/2025		3/11/2025	
Analyte	Sampling Method	Screening Level	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.28	U	1.28	U	1.23	U	**7.14**	**J**	1.2	U	1.2	U	1.21	U	1.22	U	1.22	U	**2.49**	**J**	1.23	U
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.03	U	1.03	U	0.98	U	**5.17**	**J**	0.96	U	0.96	U	0.97	U	0.98	U	0.98	U	**1.6**	**J**	0.99	U
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA Method 1633		ng/L	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	**0.57**	**J**	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA Method 1633		ng/L	0.12	U	0.12	U	0.12	U	0.12	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
Perfluorobutanesulfonic acid (PFBS)	EPA Method 1633	600[a]	ng/L	**6.56**		**1.23**	**J**	**1.47**		**0.23**	**J**	0.18	U	**1.84**	**J**	**6.29**		**6.19**		**3.09**		**2.77**		**1.03**	**J**
Perfluorobutanoic acid (PFBA)	EPA Method 1633	1800[a]	ng/L	**5.23**	**J**	**2.88**	**J**	**2.79**	**J**	0.47	U	0.46	U	**3.66**	**J**	**4.03**	**J**	**4.1**	**J**	**4.58**	**J**	**4.3**	**J**	**3**	**J**
Perfluorodecanoic acid (PFDA)	EPA Method 1633	0.004[a]	ng/L	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.12*	*U*	*0.12*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*	*0.13*	*U*
Perfluoroheptanoic acid (PFHpA)	EPA Method 1633		ng/L	**1.37**	**J**	0.16	U	0.16	U	0.16	U	**0.68**	**J**	**0.9**	**J**	**0.91**	**J**	**0.84**	**J**	**1.19**	**J**	0.15	U	**0.33**	**J**
Perfluorohexanesulfonic acid (PFHxS)	EPA Method 1633	10[b]	ng/L	**2.27**		**0.44**	**J**	**0.43**	**J**	0.22	U	0.22	U	**2.08**	**J**	**2.74**		**2.78**		**1.33**	**J**	**1.97**		**2.68**	
Perfluorohexanoic acid (PFHxA)	EPA Method 1633	990[a]	ng/L	**2.92**		0.13	U	0.13	U	0.13	U	**0.62**	**J**	**2.07**		**2.38**		**2.48**		**3.17**		**0.4**	**J**	**0.88**	**J**
Perfluorononanoic acid (PFNA)	EPA Method 1633	10[b]	ng/L	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Perfluorooctanesulfonic acid (PFOS) *	EPA Method 1633	4[b]	ng/L	**0.9**	**J+**	**0.76**	**J+**	**0.75**	**J+**	**0.81**	**J+**	**0.6**	**J+**	**0.68**	**J+**	**0.85**	**J+**	**0.85**	**J+**	**1.31**	**J+**	**0.73**	**J+**	**0.75**	**J+**
Perfluorooctanoic acid (PFOA)	EPA Method 1633	4[b]	ng/L	**1.6**	**J+**	**0.5**	**J+**	0.12	U	**0.47**	**J+**	**0.43**	**J+**	**0.52**	**J+**	**0.62**	**J+**	**0.67**	**J+**	**1.61**	**J+**	**0.49**	**J+**	**0.53**	**J+**
Perfluoropentanesulfonic acid (PFPeS)	EPA Method 1633		ng/L	**0.43**	**J**	**0.24**	**J**	**0.23**	**J**	0.2	U	0.2	U	**0.34**	**J**	**0.36**	**J**	**0.35**	**J**	0.2	U	**0.42**	**J**	**0.41**	**J**
Perfluoropentanoic acid (PFPeA)	EPA Method 1633		ng/L	**4.13**		0.14	U	0.14	U	0.14	U	0.13	U	**6.11**		**3.49**		**3.35**		**5.32**		0.14	U	0.14	U
Perfluorotetradecanoic acid (PFTeDA)	EPA Method 1633	2000[a]	ng/L	0.12	U	0.12	U	0.12	U	**0.24**	**J**	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
Hazard Index (HI) [c]	Calcualted	1		0.2		0.05		0.04		NA[d]		NA[d]		0.2		0.3		0.3		0.1		0.2		0.3	

Notes:

[a] Screening level is EPA Tap Water RSL (target cancer risk 1 x 10-6, hazard quotient = 0.1) (U.S. EPA November 2024)

[b] Screening level is EPA MCL

[c] HI was calculated using the following equation for mixtures of at least two of the following four PFAS: PFBS, PFHxS, PFNA, and HFPO-DA or GenX Chemicals in accordance with EPA MCLs. The denominators in the equation are equal to the highest level determined not to have risk of health effects for that analyte. The numerators are equal to the detected concentration of the analyte in that sample.

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index$$

[d] HI values could not be calculated because two or more of the four analytes were not detected

Highlight indicates values greater than screening level

Bold indicates detected values

Italics indicates nondetected values that exceed the screening level

Acronyms:

ng/L = nanogram per liter
EPA = U.S. Environmental Protection Agency
FD = field duplicate
HI = Hazard Index
J = Result is estimated
J+ = Result is estimated biased high
MCL = maximum contaminant level
N = parent sample
NA = Not applicable
NS = not sampled
Q = qualifier
RSL = regional screening level
U = Analyte was not detected at the associated value, which is the method detection limit.
* It should be noted that PFOS was detected in blanks and the PFOS results are biased high

Table 3
Detected PFAS Analytical Results in Groundwater

			Location	MW-30C		MW-30RA		MW-30RB		Field Blank		Equipment Blank		MW-39S		MW-39D		MW-39D		Field Blank	
			Sample Name	MW30C-GW031225		MW30RA-GW031125		MW30RB-GW031125		FB01-GW031225		EB01-GW031225		MW39S-GW060525		MW39D-GW060525		FD02-GW600525		FB01-GW060525	
			Parent Sample															MW39D-GW060525			
			Sample Type	N		N		N		FB		EB		N		N		FD		FB	
			Sample Date	3/12/2025		3/11/2025		3/11/2025		3/12/2025		3/12/2025		6/5/2025		6/5/2025		6/5/2025		6/5/2025	
Analyte	Sampling Method	Screening Level	Unit	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.26	U	**1.68**	**J**	1.21	U	1.20	U	1.20	U	1.20	U	1.22	U	1.24	U	**4.19**	**J**
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	EPA Method 1633		ng/L	1.01	U	**1**	**J**	0.97	U	0.96	U	0.96	U	0.97	U	0.98	U	0.99	U	**3.5**	**J**
Perfluoro-3-methoxypropanoic acid (PFMPA)	EPA Method 1633		ng/L	**0.7**	**J**	0.11	U	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Perfluoro-4-methoxybutanoic acid (PFMBA)	EPA Method 1633		ng/L	**0.37**	**J**	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U
Perfluorobutanesulfonic acid (PFBS)	EPA Method 1633	600[a]	ng/L	**2.36**		**7.73**		**9.07**		0.18	U	0.18	U	**0.62**	**J**	0.18	U	0.19	U	0.19	U
Perfluorobutanoic acid (PFBA)	EPA Method 1633	1800[a]	ng/L	**22.4**		**4.83**	**J**	**4.61**	**J**	0.46	U	0.46	U	0.46	U	0.46	U	0.47	U	0.47	U
Perfluorodecanoic acid (PFDA)	EPA Method 1633	0.004[a]	ng/L	**0.45**	**J**	*0.13*	*U*	*0.12*	*U*	0.12	U	0.12	U	0.12	U	0.13	U	0.13	U	0.13	U
Perfluoroheptanoic acid (PFHpA)	EPA Method 1633		ng/L	**2.83**		**2.05**		**2.36**		0.15	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U
Perfluorohexanesulfonic acid (PFHxS)	EPA Method 1633	10[b]	ng/L	**1.21**	**J**	**1.8**		**1.43**		0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.23	U
Perfluorohexanoic acid (PFHxA)	EPA Method 1633	990[a]	ng/L	**7.4**		**5.63**		**4.98**		0.12	U	0.12	U	**0.35**	**J**	0.13	U	0.13	U	0.13	U
Perfluorononanoic acid (PFNA)	EPA Method 1633	10[b]	ng/L	**0.85**	**J**	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
Perfluorooctanesulfonic acid (PFOS) *	EPA Method 1633	4[b]	ng/L	**1.47**	**J+**	**0.81**	**J+**	**0.97**	**J+**	**0.65**	**J**	**0.71**	**J**	0.21	U	0.21	U	0.22	U	0.22	U
Perfluorooctanoic acid (PFOA)	EPA Method 1633	4[b]	ng/L	**3.51**		**3.38**		**4.96**		0.11	U	0.11	U	**0.25**	**J**	**0.22**	**J**	**0.24**	**J**	**0.22**	**J**
Perfluoropentanesulfonic acid (PFPeS)	EPA Method 1633		ng/L	**0.59**	**J**	**0.3**	**J**	**0.37**	**J**	0.20	U	0.20	U	0.2	U	0.20	U	0.21	U	0.21	U
Perfluoropentanoic acid (PFPeA)	EPA Method 1633		ng/L	**15.8**		**6.98**		**6.7**		0.13	U	0.13	U	0.13	U	0.14	U	0.14	U	0.14	U
Perfluorotetradecanoic acid (PFTeDA)	EPA Method 1633	2000[a]	ng/L	0.12	U	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U
Hazard Index (HI) [c]	Calcualted	1		0.2		0.2		0.2		NA[d]		NA[d]		NA[d]		NA[d]		NA[d]		NA[d]	

Notes:

[a] Screening level is EPA Tap Water RSL (target cancer risk 1 x 10-6, hazard quotient = 0.1) (U.S. EPA November 2024)

[b] Screening level is EPA MCL

[c] HI was calculated using the following equation for mixtures of at least two of the following four PFAS: PFBS, PFHxS, PFNA, and HFPO-DA or GenX Chemicals in accordance with EPA MCLs. The denominators in the equation are equal to the highest level determined not to have risk of health effects for that analyte. The numerators are equal to the detected concentration of the analyte in that sample.

$$\frac{GenX\ (ppt)}{10} + \frac{PFBS\ (ppt)}{2000} + \frac{PFNA\ (ppt)}{10} + \frac{PFHxS\ (ppt)}{10} = Hazard\ Index$$

[d] HI values could not be calculated because two or more of the four analytes were not detected

Highlight indicates values greater than screening level

Bold indicates detected values

Italics indicates nondetected values that exceed the screening level

Acronyms:

ng/L = nanogram per liter
EPA = U.S. Environmental Protection Agency
FD = field duplicate
HI = Hazard Index
J = Result is estimated
J+ = Result is estimated biased high
MCL = maximum contaminant level
N = parent sample
NA = Not applicable
NS = not sampled
Q = qualifier
RSL = regional screening level
U = Analyte was not detected at the associated value, which is the method detection limit.
* It should be noted that PFOS was detected in blanks and the PFOS results are biased high

Table 4
Final General Chemistry Parameters – March 2025 Groundwater

	Location	MW-03RA	MW-03RB	MW-03RC	MW-03RD	MW-05R	MW-24	MW-29A	MW-29B
	Sample Name	MW03RA-GW031225	MW03RB-GW031225	MW03RC-GW031225	MW03RD-GW031225	MW05R-GW031125	MW24-GW031325	MW29A-GW031125	MW29B-GW031125
	Sample Date	3/12/2025	3/12/2025	3/12/2025	3/12/2025	3/11/2025	3/13/2025	3/11/2025	3/11/2025
	Sample Type	N	N	N	N	N	N	N	N
Chemical Name	Unit	Result	Result	Result	Result	Result	Result	Result	Result
Dissolved Oxygen	mg/L	5.81	5.67	5.75	4.90	5.81	4.95	4.85	4.85
Oxidation-Reduction Potential	millivolts	34.5	149.0	113.2	92.1	39.8	153.1	194.4	127.0
pH	su	7.14	7.05	7.13	7.28	7.09	7.11	7.14	7.34
Specific Conductance	µs/cm	1741	1290	1022	1007	1542	1604	1350	1285
Temperature	deg C	12.5	11.7	12.5	12.9	14.3	14.3	12.5	12.6
Turbidity	NTU	4.04	1.20	2.78	2.09	0.28	1.33	0.89	3.55

Notes:
Values represent final stabilized readings during low-flow purging

Acronyms:
deg C = degrees Celsius
ug/L= micrograms per liter
mg/L = milligrams per liter
µS/cm = microsiemens per centimeter
N = parent sample
NTU = Nephelometric Turbidity unit
pH = potential of hydrogen
su = standard pH units

Table 4
Final General Chemistry Parameters – March 2025 Groundwater

Location		MW-29C	MW-30C	MW-30RA	MW-30RB	MW-39D	MW-39S
Sample Name		MW29C-GW031125	MW30C-GW031225	MW30RA-GW031125	MW30RB-GW031125	MW39D-GW100324	MW39S-GW100324
Sample Date		3/11/2025	3/12/2025	3/11/2025	3/11/2025	6/5/2025	6/5/2025
Sample Type		N	N	N	N	N	N
Chemical Name	Unit	Result	Result	Result	Result	Result	Result
Dissolved Oxygen	mg/L	5.55	2.54	5.82	6.13	5.80	4.94
Oxidation-Reduction Potential	millivolts	106.1	57.4	153.1	155.4	-63.1	192.8
pH	su	7.28	8.24	7.07	7.02	7.17	7.13
Specific Conductance	µs/cm	1177	1168	1867	1799	1045	1096
Temperature	deg C	11.7	13.8	14.0	13.8	15.78	17.98
Turbidity	NTU	0.72	9.09	2.12	0.58	3.75	7.54

Notes:
Values represent final stabilized readings during low-flow purging

Acronyms:
deg C = degrees Celsius
ug/L= micrograms per liter
mg/L = milligrams per liter
µS/cm = microsiemens per centimeter
N = parent sample
NTU = Nephelometric Turbidity unit
pH = potential of hydrogen
su = standard pH units

Appendix A
Field Forms

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Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

DATE: 3/10/2025	**Prepared by:** Melissa Mitton

Personnel on site, including Contractors:	CDM Smith – Melissa Mitton, Joe Borgerding, Lydia Lytle
Visitors/Others:	VA – Zane Kozarec

Weather	**Sunny**	Partly Cloudy	Overcast	Rain	Snow
Temperature	85+ º F	70 to 85º F	**50 to 70 º F**	32 to 50 º F	0 To 32 º F
Wind	**Still**	Moderate	High		
Humidity	**Dry**	Moderate	Humid		

Equipment in Use (field instruments, subcontractor equip, etc.)	• Water level equipment and PID

Description of Field Activities – including samples/data collected, etc:

- A H&S tailgate was conducted at the IDW yard area.
- All rental equipment and sample bottles were unpacked and accounted for except a PID regulator.
- Groundwater level measurements conducted at all planned locations except MW-29 and MW-01S.

Issues/Problems Encountered/Deficiencies/Deviations from QAPP (and resolutions):

- ZIST wells at MW-03R, MW-23, MW-29, and MW-30C could not be gauged with the standard Heron Skinny Dipper water level meter. Remaining ZIST wells will be gauged tomorrow (Tuesday) with the smaller diameter Solinist water level meter.
- MW-01S has tangled tubing in the well which came dislodged during previous sampling. Could not get water level, but will revisit tomorrow.
- Field team noticed that the PFAS free pump parts and tubing were installed in MW27 not MW24. Team verified that an extra PFAS free bladder and stainless steel check valves were on-Site. Teflon tubing, bladder, and check valves will be removed and replaced with PFAS-free equipment at MW-24 prior to sampling.

Projected Work – Near Term:

- Continue groundwater gauging and begin PFAS groundwater sampling.

Other Activities/Remarks:

- Zane Kozarec visited the site to open the gate to MW-41S/D

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

Photos:

	Date: 3/10/2025 **Location:** MW-05R **Description:** Gauging water levels with PFAS free skinny dipper water level meter.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

DATE: 3/11/2025	**Prepared by:** Melissa Mitton

Personnel on site, including Contractors:	CDM Smith – Melissa Mitton, Joe Borgerding, Lydia Lytle, Neil Smith Ryan Panasy – Wasatch Environmental
Visitors/Others:	VA – Shannon Smith

Weather	**Sunny**	Partly Cloudy	Overcast	Rain	Snow
Temperature	85+ º F	70 to 85º F	**50 to 70 º F**	32 to 50 º F	0 To 32 º F
Wind	Still	**Moderate**	High		
Humidity	**Dry**	Moderate	Humid		

Equipment in Use (field instruments, subcontractor equip, etc.)	• YSI water quality meters • Turbidity meters • Water level meters • Pump controllers • PID

Description of Field Activities – including samples/data collected, etc:

- A H&S tailgate was conducted at the IDW yard area.
- Groundwater level measurements conducted at MW-03RA/B/C, MW-23A/B/C, MW-29B/C, MW-30C. Water levels could not be collected at MW-29A or MW-01S.
- The following groundwater samples were collected for analysis of PFAS by Method 1633:
    - MW05R-GW031125
    - MW29A-GW031125
    - MW29B-GW031125
    - MW29C-GW031125
    - MW30RA-GW031125
    - MW30RB-GW031125 (MS/MSD)

Issues/Problems Encountered/Deficiencies/Deviations from QAPP (and resolutions):

- The water level meter got caught near the top of the volume booster at ZIST well MW-29A and a water level could not be measured. It is planned to pull the pump, wait for the water level to stabilize tomorrow (Wednesday) or Thursday.
- MW-01S has tangled tubing in the well which came dislodged during previous sampling. Could not be gauged.

Projected Work – Near Term:

- Continue PFAS groundwater sampling, deploy new volume booster at MW-03RA.

Other Activities/Remarks:

- Shannon Smith visited the sampling team and Neil Smith at MW-30R.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

Photos:

	Date: 3/11/2025 **Location:** MW-29B **Description:** Collecting groundwater sample at MW-29B for analysis of PFAS.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

DATE: 3/12/2025	**Prepared by:** Melissa Mitton

Personnel on site, including Contractors:	CDM Smith – Melissa Mitton, Joe Borgerding, Lydia Lytle, Neil Smith Wasatch Environmental - Ryan Panasy
Visitors/Others:	ADEQ, VA, and EPA representatives

Weather	**Sunny**	Partly Cloudy	Overcast	Rain	Snow
Temperature	85+ º F	70 to 85º F	**50 to 70 º F**	32 to 50 º F	0 To 32 º F
Wind	Still	**Moderate**	High		
Humidity	**Dry**	Moderate	Humid		

Equipment in Use (field instruments, subcontractor equip, etc.)	• YSI water quality meters • Turbidity meters • Water level meters • Pump controllers • PID

Description of Field Activities – including samples/data collected, etc:

- A H&S tailgate was conducted at the IDW yard area.
- The new PFAS free volume booster was installed at MW-03RA.
- The following groundwater samples were collected for analysis of PFAS by Method 1633:
  - MW03RA-GW031225
  - MW03RB-GW031225 (FD01-031225 @1000)
  - MW03RC-GW031225
  - MW03RD-GW031225
  - MW30C-GW031225
  - EB01 (collected at MW-24 off inside of pump and through PFAS free bladder after PFAS parts exchange and decontamination, prior to redeployment)
  - FB01 (collected at MW-24. Allowed to sit open for 1 minute prior to capping)
- The following groundwater samples were shipped on fresh, water ice to Sterling Labs via Fedex priority overnight:
  - MW05R-GW031125
  - MW29A-GW031125
  - MW29B-GW031125
  - MW29C-GW031125
  - MW30RA-GW031125
  - MW30RB-GW031125 (MS/MSD)
  - MW03RA-GW031225
  - MW03RB-GW031225 (FD01-031225 @1000)
  - MW03RC-GW031225
- The pump at MW-24 was pulled, decontaminated with PFAS free water and had its bladder and check valves replaced with PFAS free versions. An equipment blank was collected from the pump before new, dedicated HDPE tubing was connected and the pump was re-deployed.
- The pump at MW-29A was pulled, bagged, and labeled to allow the groundwater level to equilibrate overnight. The water level will be gauged in the morning and the pump will be redeployed.

Issues/Problems Encountered/Deficiencies/Deviations from QAPP (and resolutions):

- No issues encountered today.

Projected Work – Near Term:

- Collect groundwater sample at MW-24, collect water level measurement at MW-29A

Other Activities/Remarks:

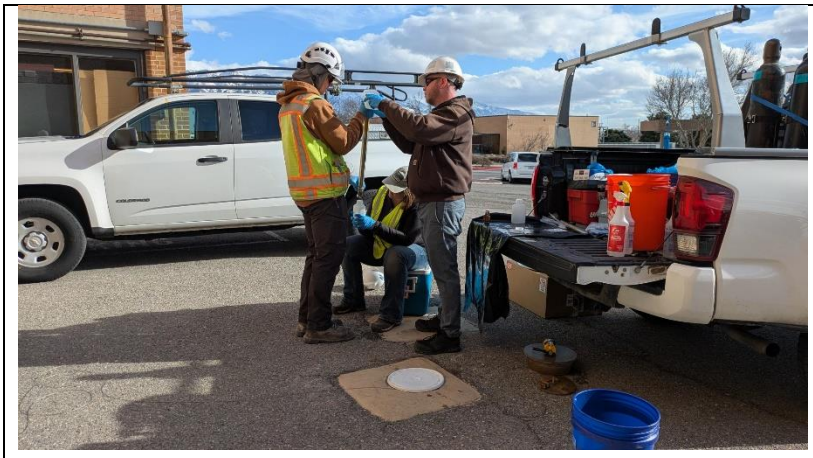
- UDEQ, VA, and EPA representatives visited the site at MW-03R during sampling.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

Photos:

	Date: 3/12/2025 **Location:** MW-03RA **Description:** New volume booster at MW-03RA.
	Date: 3/12/2025 **Location:** MW-03RB **Description:** Collecting groundwater sample at MW-03RB.
	Date: 3/12/2025 **Location:** MW-30C **Description:** Groundwater purging setup at MW-30C.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah



Date: 3/12/2025

Location: MW-24

Description: Collecting equipment blank off decontaminated bladder pump at MW-24 prior to redeployment.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

DATE: 3/13/2025	**Prepared by:** Melissa Mitton

Personnel on site, including Contractors:	CDM Smith – Melissa Mitton, Joe Borgerding, Lydia Lytle
Visitors/Others:	None

Weather	Sunny	Partly Cloudy	**Overcast**	**Rain**	Snow
Temperature	85+ º F	70 to 85º F	**50 to 70 º F**	**32 to 50 º F**	0 To 32 º F
Wind	Still	**Moderate**	High		
Humidity	Dry	Moderate	**Humid**		

Equipment in Use (field instruments, subcontractor equip, etc.)	• YSI water quality meters • Turbidity meters • Water level meters • Pump controllers • PID

Description of Field Activities – including samples/data collected, etc:

- A H&S tailgate was conducted at the IDW yard area.
- The following groundwater samples were collected for analysis of PFAS by Method 1633:
  - MW24-GW031325 (FD02-GW031325 @0930)
- The following groundwater samples were shipped on fresh, water ice to Sterling Labs via Fedex priority overnight:
  - MW03RD-GW031225
  - MW30C-GW031225
  - EB01 (collected at MW-24 off inside of pump and through PFAS free bladder after PFAS parts exchange and decontamination, prior to redeployment)
  - FB01 (collected at MW-24. Allowed to sit open for 1 minute prior to capping)
  - MW24-GW031325
  - FD02-GW031325
- The water level was recorded at MW-29A after overnight equilibration. The dedicated ZIST pump was then redeployed.
- The storage connexes were cleaned and organized. All dedicated LDPE/Teflon lined tubing removed prior to PFAS sampling was organized and placed on shelves. Expired calibration liquids were disposed of in the IDW tank. Expired calibration gas cylinders were vented and the empty canisters were punctured prior to disposal.
- Field team demobilized from the site.

Issues/Problems Encountered/Deficiencies/Deviations from QAPP (and resolutions):

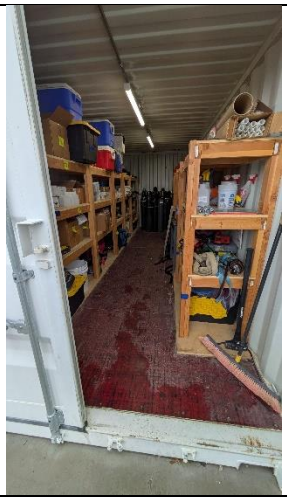
- No issues encountered today.

Projected Work – Near Term:

- PFAS groundwater sampling task is complete.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

Photos:

	Date: 3/13/2025 **Location:** MW-24 **Description:** Sampling set-up at MW-24. Canopy set-up for protection from intermittent rain, but was not touched during sample collection.
	Date: 3/13/2025 **Location:** IDW Storage yard **Description:** Packed cooler with 6 sample sets on fresh, water ice prior to shipment.
	**Date:** 3/13/2025 **Location:** Office and equipment connexs **Description:** Office and equipment connexs after organization.

Daily Quality Control Report
700 South 1600 East PCE Plume
Salt Lake City, Utah

	Date: 3/13/2025 **Location:** Storage connex **Description:** Storage connex after organization.

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/12/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-03RA **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 215

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs , Anions, Nitrate/Nitrite, Alkalinity, TOC, MEE, microbial

Final Water Level (feet btoc): NA **QC Samples Collected:** FD-Alternate

Purge Start Time: 1228 **Ferrous Iron (mg/L):** _____ **Allowable Drawdown (ft):** NA

Sample Time: 1410 **Controller Settings: Recharge:** 30 secs **Discharge:** 20 secs **Pressure:** 120 psi

Samplers' Signatures: Jose Barajas **Cycles Per Minute:** 0.6

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1245		12.8	7.10	1723	5.18	17.7	26.0	110	
1255		12.4	7.11	1723	4.90	8.2	18.8	110	
1326		12.3	7.12	1741	5.51	26.7	7.54	110	
1344		12.6	7.12	1742	5.43	32.8	6.03	110	
1350		12.8	7.13	1740	5.95	32.3	4.93	110	min Purge
1355		12.5	7.13	1741	5.72	33.3	4.36	110	
1400		12.5	7.14	1739	5.86	34.0	4.00	110	
1405		12.5	7.14	1741	5.81	34.5	4.04	110	Sample
									Total Purge 1.25 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: **Recharge:** 80 secs **Discharge:** 20 secs
Pressure: 120 psi **Cycles Per Minute:** _____ **Flow Rate:** 75 mL/cycle

Screened Interval: 215-220 ft bgs **Minimum purge volume:** 0.8 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/12/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-03RB **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 267

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs , Anions, Nitrate/Nitrite, Alkalinity, TOC, MEE, microbial

Final Water Level (feet btoc): NA **QC Samples Collected:** FD01-GW031225 Dated 3/12/25 @ 1000

Purge Start Time: 950 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** NA

Sample Time: 1115 **Controller Settings: Recharge:** 80 secs **Discharge:** 30 secs **Pressure:** 130 psi

Samplers' Signatures: [signature] **Cycles Per Minute:**

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1020		11.4	6.96	1311	5.40	152.3	0.51	150	
1041		11.5	7.01	1291	5.65	149.3	0.86	150	
1051		11.5	6.96	1290	5.60	150.8	1.66	150	
11:00		11.5	6.99	1296	5.70	149.9	2.47	156	Min Purged Met
11:05		11.7	7.06	1289	5.61	150.3	1.20	150	
1110		11.7	7.05	1290	5.67	149.0	1.20	150	Sample
									Total Purge 1.25 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 80 secs **Discharge:** 30 secs
Pressure: 130 psi **Cycles Per Minute:** _____ **Flow Rate:** 150 mL/cycle

Screened Interval: 267-272 ft bgs **Minimum purge volume:** 0.9 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/12/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-03RC **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 307

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 12:19 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** NA

Sample Time: 13:54 **Controller Settings: Recharge:** 80 secs **Discharge:** 34 secs **Pressure:** 120 psi

Samplers' Signatures: Melissa Mullen **Cycles Per Minute:** 0.52

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1233	—	12.5	7.07	1022	5.77	135.7	46.5	150	
1245	—	12.5	7.14	1018	5.64	123.0	12.1	150	
1258	—	12.3	7.22	1023	5.82	122.0	8.28	150	Min Purge ✓ reached
1326	—	12.4	7.17	1021	5.62	114.5	3.87	150	1328 Paused to Switch N tank
1335	—	12.2	7.19	1022	5.81	114.8	3.14	150	1333 Pump on & Cycled
1340	—	12.5	7.14	1021	5.86	113.7	2.61	150	
1345	—	12.5	7.13	1022	5.75	113.2	2.78	150	Stable
									Total Purge volume 1.75 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 80 secs **Discharge:** 34 secs
Pressure: 130 psi **Cycles Per Minute:** _____ **Flow Rate:** 150 mL/cycle

Screened Interval: 307-312 ft bgs **Minimum purge volume:** 1.1 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/12/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-03RD **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 359

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 1617 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** NA

Sample Time: 1725 **Controller Settings: Recharge:** 80 secs **Discharge:** 40 secs **Pressure:** 150 psi

Samplers' Signatures: Joe Borgaard **Cycles Per Minute:** 0.5

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1630		12.9	7.33	1094	3.25	85.0	6.97	200	
1640		12.5	7.27	1028	3.82	70.0	3.46	200	
1650		12.4	7.29	1017	4.92	77.4	4.09	200	
1700		12.6	7.27	1011	5.21	86.2	2.66	200	
1705		12.8	7.28	1011	5.07	87.2	3.80	200	min Purge
1710		12.7	7.27	1010	4.89	90.2	1.67	200	
1715		12.8	7.28	1008	5.00	91.5	2.03	200	
1720		12.9	7.28	1007	4.90	92.1	2.09	200	
1725									Sample
									total Purge 2 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47

Previous controller settings: Recharge: 80 secs **Discharge:** 40 secs
Pressure: 155 psi **Cycles Per Minute:** _____ **Flow Rate:** 200 mL/cycle

Screened Interval: 359-364 ft bgs **Minimum purge volume:** 1.3 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-05R (3/11/25) **Purging/Sampling Device:** Compressed gas/MP-10H **Pump depth (ft bgs):** 222

Initial Static Water Level (feet btoc): 213.90 ~~196~~ **Analytical Parameters:** VOCs

Final Water Level (feet btoc): _____ **QC Samples Collected:** None

Purge Start Time: 10:24 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 11:34 **Controller Settings: Recharge:** 30 secs **Discharge:** 10 secs **Pressure:** 165 psi

Samplers' Signatures: _____ **Cycles Per Minute:** 2

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
10:58	214.13	14.3	7.10	1545	6.67	38.8	0.28	300mL/min	We purged to min volume then started taking parameters
11:08	214.15	14.3	7.07	1544	6.64	39.3	0.35		
11:19	214.17	14.3	7.08	1545	5.90	39.4	0.36		
11:28	214.17	14.3	7.09	1542	5.81	39.8	0.28		Total Purge = 5.1 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47

Previous controller settings: Recharge: 30 secs **Discharge:** 10 secs
Pressure: 165 psi **Cycles Per Minute:** 1.5 **Flow Rate:** 160 mL/min

Screened Interval: 198-228 ft bgs **Minimum purge volume:** 1.9 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/13/24 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-24 **Purging/Sampling Device:** Solinst 407 BP/Gas **Pump depth (ft bgs):** 211

Initial Static Water Level (feet btoc): 184.86 **Analytical Parameters:** ~~VOCs~~ PFAS

Final Water Level (feet btoc): ~~184.87~~ **QC Samples Collected:** FD-02 (FD02-GW031325 @ 0930)

Purge Start Time: 0923 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 10:17 **Controller Settings: Recharge:** 30 secs **Discharge:** 20 secs **Pressure:** 140 psi

Samplers' Signatures: Melissa Mitton **Cycles Per Minute:** 1.2

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
0937	184.87	14.2	7.17	1590	5.49	184.8	5.77	150	
0948	184.85	14.2	7.08	1604	4.93	204.7	4.12	150	
0953	184.87	14.3	6.98	1602	5.32	196.6	1.83	150	
1000	184.87	14.3	7.11	1602	~~5.~~ 5.28	190.5	2.34	150	Min Purge met
1005	184.87	14.2	7.11	1604	5.20	186.1	1.65	150	
1010	184.87	14.3	7.11	1604	4.95	153.1	1.33	150	Stable
									Total Purge = ~3 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47

Previous controller settings: Recharge: 30 secs **Discharge:** 20 secs
Pressure: 145 psi **Cycles Per Minute:** 1.5 **Flow Rate:** 175 mL/min

Screened Interval: 209.5-239.5 ft bgs **Minimum purge volume:** 1.8 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-29A **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 128

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 1520 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 1714 **Controller Settings: Recharge:** 20 secs **Discharge:** 120 secs **Pressure:** ~~75~~ 80 psi

Samplers' Signatures: Melissa Mellon **Cycles Per Minute:**

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1550	—	14.6	7.13	1363	0.0	163.0	10.8	30	
1600	—	14.9	7.13	1357	0.0	173.4	7.99	30	
1609	—	12.7	7.16	1348	5.42	179.0	1.74	50	
1633 0435	—	12.8	7.12	1337	5.48	181.6	2.14	50	
1640 0440	—	12.8	7.14	1350	4.94	186.1	2.15	60	
1647 0447	—	12.8	7.13	1345	5.12	176.6	1.54	60	
1653 0453	—	12.9	7.16	1352	5.08	185.8	1.05	60	
1658 0458	—	12.7	7.15	1348	4.86	191.7	1.04	60	
1703 0703	—	12.5	7.14	1350	4.85	194.4	0.89	60	Stable
									Total Purge = 2650 mL

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 120 secs **Discharge:** 20 secs
Pressure: 80 psi **Cycles Per Minute:** 0.5 **Flow Rate:** 40 mL/cycle

Screened Interval: 120-130 ft bgs **Minimum purge volume:** 0.5 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-29B **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 190

Initial Static Water Level (feet btoc): ~~NA~~ 154.58 **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 1300 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** NA

Sample Time: 14:51 **Controller Settings: Recharge:** ~~120~~ 100 secs **Discharge:** ~~20~~ 35 secs **Pressure:** 90 psi

Samplers' Signatures: Melissa Arthur **Cycles Per Minute:**

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
~~3/11 13:39~~	—	13.8	7.27	1188	3.21	127.2	8.83	60 ~~50~~	
13:43	—	13.6	7.32	1224	4.25	125.5	6.49	60 ~~50~~	
13:52	—	12.6	7.32	1258	4.88	131.1	7.74	80	
~~13~~ 13:03	—	12.2	7.31	1260	4.76	131.4	7.84	80	
14:08	—	12.5	7.30	1263	5.06	129.4	6.86	80	
14:13	—	12.4	7.31	1267	5.10	130.1	6.75	80	
~~14:18~~ 14:23	—	12.4	7.32	1279	4.88	130.5	5.08	80	
14:32	—	12.8	7.31	1286	4.86	130.4	3.68	80	
14:37	—	12.7	7.31	1284	4.89	130.2	3.38	80	
14:~~42~~ 47	—	12.6	7.34	1285	4.85	127.0	3.55	80	Stable
									Total Purged: 0.75 gal
		Sampled @ 14:51							0.75 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 100 secs **Discharge:** 35 secs

Pressure: 95 psi **Cycles Per Minute:** 0.5 **Flow Rate:** 100 mL/cycle

Screened Interval: 190-200 ft bgs **Minimum purge volume:** 0.7 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-29C **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 230

Initial Static Water Level (feet btoc): 157.77 **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 1608 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** NA

Sample Time: 1745 **Controller Settings: Recharge:** 120 secs **Discharge:** 40 secs **Pressure:** 110 psi

Samplers' Signatures: Jess Brazelton **Cycles Per Minute:** 0.38

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
1633		12.4	7.24	1207	1.17	88.2	17.4	150	
1645		12.2	7.26	1168	4.92	103.2	7.13	150	
1657		12.1	7.26	1152	5.13	115.3	1.84	150	
1710		11.8	7.26	1160	5.23	105.5	1.11	150	
1725		12.0	7.29	1172	5.70	105.2	1.23	150	
1730		11.8	7.30	1174	5.71	105.4	1.16	150	Min Purge
1735		11.8	7.29	1177	5.65	106.1	~~0.68~~ 0.80	150	JPB 3/11/25
1740		11.7	7.28	1177	5.55	106.1	0.72	150	Total Purge 1 gal

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 120 secs **Discharge:** 40 secs
Pressure: 110 psi **Cycles Per Minute:** 0.4 **Flow Rate:** 200 mL/cycle

Screened Interval: 230-240 ft bgs **Minimum purge volume:** 0.8 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-30RA **Purging/Sampling Device:** Compressed gas **Pump depth (ft bgs):** 245

Initial Static Water Level (feet btoc): 225.98 **Analytical Parameters:** VOCs

Final Water Level (feet btoc): 225.98 **QC Samples Collected:** None

Purge Start Time: 13:22 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 15:42 **Controller Settings: Recharge:** 18 secs **Discharge:** 18 secs **Pressure:** 200 psi

Samplers' Signatures: Lydia Lytle **Cycles Per Minute:** 2

Specific conductivity was recorded in milliseimens per centimeter for this well

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
13:22	225.98							240 mL/min	
13:53	225.97	13.9	7.10	1.856	6.12	102.9	4.28		min Purged reached
14:06	225.98	13.8	7.06	1.855	6.02	133.2	2.04		
14:16	225.98	13.9	7.04	1.860	5.85	142.4	1.34		
14:26	225.98	14.3	7.06	1.853	5.44	145.1	1.11		
14:33									ran out of gas
15:03	225.97	14.1	7.05	1.862	5.65	145.3	0.87		
15:12	225.97	14.6	7.09	1.857	5.66	146.8	24.7		
15:24	225.98	14.6	7.09	1.861	5.61	150.4	5.07		
15:31	225.98	14.6	7.06	1.861	5.89	151.6	2.29		
15:36	225.98	14.0	7.07	1.862	5.82	153.1	2.12		6.9 GAL TOTAL PURGE VOLUME
									RP

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47

Previous controller settings: **Recharge:** 30 secs **Discharge:** 30 secs 240 mL/min
Pressure: 200 psi **Cycles Per Minute:** 1.5 **Flow Rate:** 225 mL/min

Screened Interval: 240-250 ft bgs **Minimum purge volume:** 1.9 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV		
Water Level	± 0.3 foot	Turbidity	< 50 NTU and ±10% OR < 10 NTU

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/11/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-30RB **Purging/Sampling Device:** Compressed gas **Pump depth (ft bgs):** 285

Initial Static Water Level (feet btoc): 227.85 **Analytical Parameters:** VOCs

Final Water Level (feet btoc): 225.94 **QC Samples Collected:** MS/MSD

Purge Start Time: 15:55 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 17:05 **Controller Settings: Recharge:** 18 secs **Discharge:** 12 secs **Pressure:** 200 psi

Samplers' Signatures: C. Lyrle **Cycles Per Minute:** 2

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
16:30	228.06	13.9	7.06	1800	5.86	140.2	3.63	300mL/min	Purge reached
16:40	228.18	13.9	7.05	1798	5.89	146.5	1.96	↓	
16:50	228.08	13.9	7.03	1798	6.18	153.6	0.73		
17:00	225.07	13.8	7.02	1799	6.13	155.4	0.58		5.5 GAL TOTAL PURGE VOLUME
									RP

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47

Previous controller settings: Recharge: 42 min **Discharge:** 18 secs
Pressure: 200 psi **Cycles Per Minute:** 1.5 **Flow Rate:** NA

Screened Interval: 280-290 ft bgs **Minimum purge volume:** 2.2 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0.3 foot		

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 3/12/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.1 **(Vented to)** 0.3

Well ID: MW-30C **Purging/Sampling Device:** ZIST/Compressed gas **Pump depth (ft bgs):** 317

Initial Static Water Level (feet btoc): NA **Analytical Parameters:** VOCs

Final Water Level (feet btoc): NA **QC Samples Collected:** None

Purge Start Time: 0906 **Ferrous Iron (mg/L):** N/A **Allowable Drawdown (ft):** NA

Sample Time: 1350 **Controller Settings: Recharge:** 50 secs **Discharge:** 10 secs **Pressure:** 120 psi

Samplers' Signatures: **Cycles Per Minute:**

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/cycle)	Comments
0906	NA							150	START PURGE
0910	↓							40	PURGE SLOWS, UP TO 150 300psi RP
									SAME CYCLE
0915								40	UP TO 180 psi, SAME CYCLE
0922								20	PURGE SLOWS
1111									STOP PURGE, GET MORE N_2
1130	↓							20	RESUME PURGE
1210	NA	11.9	12.13	1187	3.30	-61.8	17.6	20	START PARAMS
1220	NA	13.1	11.96	993	3.18	-40.2	34.3	20	
1230	NA	13.3	10.34	764	3.11	-2.0	26.6	20	
1240	NA	13.6	9.41	848	3.00	38.4	25.2	20	
1250	NA	14.3	8.94	937	2.86	57.2	13.3	20	
1300	NA	13.9	8.64	1053	2.80	73.1	9.7	20	
1310	NA	14.0	8.60	1068	2.66	74.9	9.72	20	
1320	NA	13.1	8.50	1110	2.73	79.1	9.02	20	6 MIN PURGE (1.1 GAL)

Casing Volume Calculations:
Water Col. X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well: 0.16 / 4" diameter well: 0.65 / 6" diameter well: 1.47
Max discharge 4.46 mL/ft of WC (w/o VB)

Previous controller settings: Recharge: 240 sec **Discharge:** 30 secs

Pressure: 150 psi **Cycles Per Minute:** 0.2 **Flow Rate:** 150 mL/cycle

Screened Interval: 317-327 ft bgs **Minimum purge volume:** 1.1 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

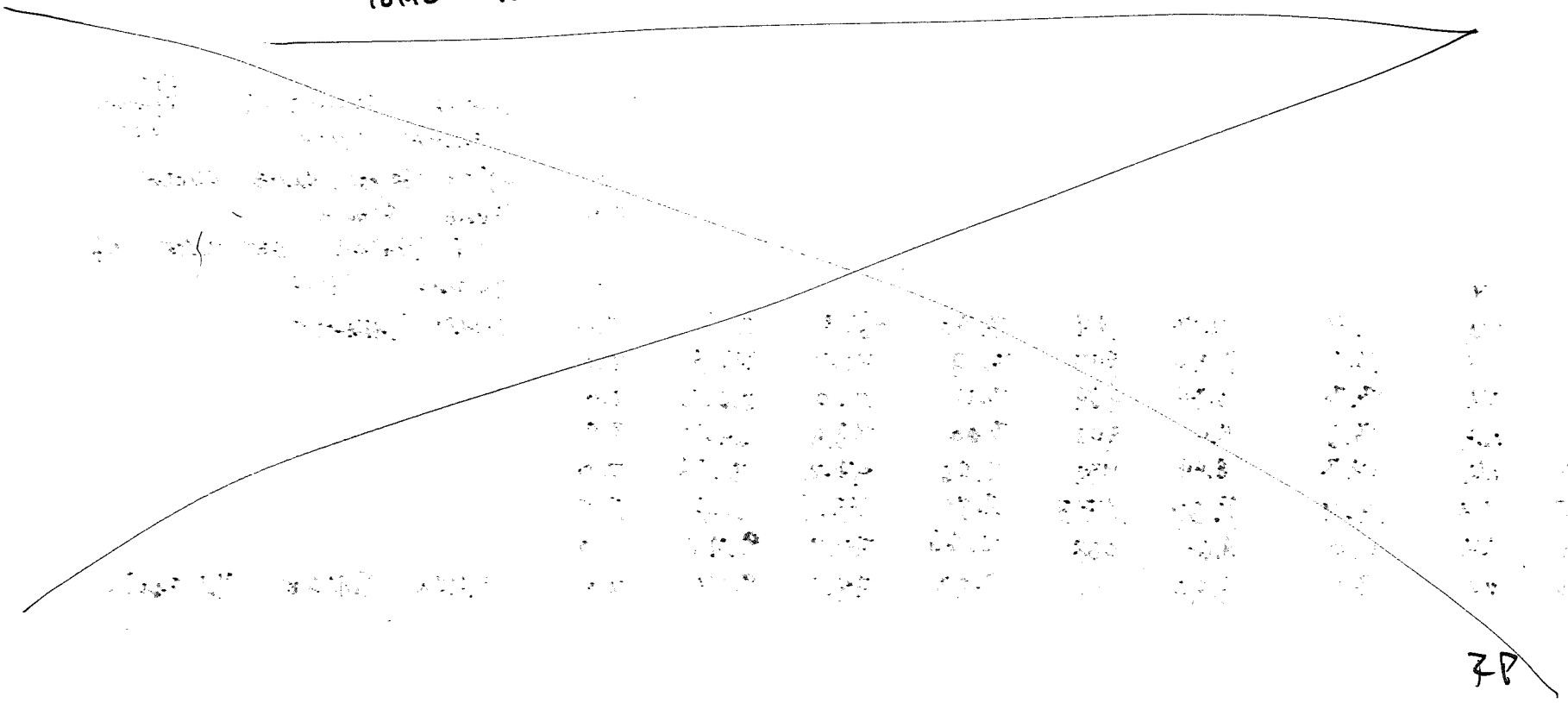
Temperature	±1°C	DO	±10% OR ±0.2mg/L (whichever is greater)
pH	±0.1 pH unit		
Specific Cond	±3%		
ORP	±10mV		
Water Level	± 0.3 foot	Turbidity	< 50 NTU and ±10% OR < 10 NTU

Ferrous Fe Analyzed: ☐ Minimum Purge Met and Notated: ☐
Total Purge Volume Recorded: ☐ Simultaneous Purge Allowed: ■

TIME	WATER LEVEL	TEMP °C	pH	SC (MS/CM)	DO (MG/L)	ORP (MV)	TURB (NTU)	FLOW RATE (mL/min)
1330	NA	13.2	8.40	1143	2.87	38.5	9.74	20
1335	NA	13.4	8.28	1150	2.64	48.7	9.02	20
1340	NA	13.6	8.26	1154	2.58	52.7	9.41	20
1345	NA	13.8	8.24	1168	2.54	57.4	9.09	

PARAMS STABLE, SAMPLE @ 1350

TOTAL PURGE = 1.5 GAL



GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 6/5/25 **OVM:** FID ☐ PID ■ **In Casing (ppm):** (Initial) 0.0 (Vented to) 0.0

Well ID: MW-39S **Purging/Sampling Device:** QED/Gas **Pump depth (ft bgs):** 279

Initial Static Water Level (feet btoc): 205.58 **Analytical Parameters:** VOCs and PFAS

Final Water Level (feet btoc): 205.59 **QC Samples Collected:** None

Purge Start Time: 0908 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 1410 **Controller Settings: Recharge** 30 secs **Discharge:** 30 secs **Pressure:** 130 psi

Samplers' Signatures: [signature] **Cycles Per Minute:** 1

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
0940	205.58	18.41	7.44	1027	22.17	171.3	67.1	100	START PURGE @ 0908, CLEAR
1000	205.59	19.72	7.31	1064	6.59	175.5	41.7	100	↑ TURBIDITY, ~~CLEAR~~ SLIGHTLY TURBID
1020	205.59	18.69	7.17	1108	5.34	182.9	180	100	↑ TURBIDITY, SLIGHTLY TURBID
1030	~~30~~ 205.59	17.37	7.13	1101	5.02	184.3	94.3	100	↓ TURBIDITY
1040	205.59	18.99	7.19	1099	7.80	177.5	87.4	100	M.V purge met
1050	205.59	19.50	7.17	1104	6.23	167.9	65.1	100	
1100	205.59	18.27	7.15	1100	5.84	174.4	61.2	100	
1110	205.59	18.20	7.14	1095	5.69	181.0	54.8	100	WAIT FOR TURBIDITY < 10 NTU
1353	205.59	17.70	7.13	1098	5.10	193.1	8.95	100	
1358	205.59	17.87	7.13	1098	5.00	192.8	8.46	100	
1403	205.59	17.98	7.13	1096	4.94	192.8	7.54	100	Total purge 7.8 gallons

Casing Volume Calculations:
Water Col X Casing Factor = Gallons per Casing Volume
Casing Factors. 2" diameter well: 0 16 / 4" diameter well· 0 65 / 6" diameter well 1 47

Previous controller settings: Recharge: _____ **Discharge:** _____

Pressure: _____ **Cycles Per Minute:** _____ **Flow Rate:** _____

Screened Interval: 269-289 ft bgs **Minimum purge volume:** 2.4 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0 2mg/L (whichever is greater)
pH	±0 1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0 3 foot		

Ferrous Fe Analyzed ☐ Minimum Purge Met and Notated ■
Total Purge Volume Recorded ■ Simultaneous Purge Allowed ■

GROUNDWATER MONITORING WELL
LOW-FLOW SAMPLING DATA SHEET

Site Name: 700S 1600E PCE Plume **Date:** 2/5/25 **OVM:** FID ☐ PID ■ **In Casing (ppm): (Initial)** 0.0 **(Vented to)** 0.0

Well ID: MW-39D **Purging/Sampling Device:** QED/Gas **Pump depth (ft bgs):** 343

Initial Static Water Level (feet btoc): 205.91 **Analytical Parameters:** VOCs and PFAS

Final Water Level (feet btoc): 205.61 **QC Samples Collected:** ~~None~~ MS/MSD FD02-GW060525 @ 1100 for PFAS only

Purge Start Time: 0910 **Ferrous Iron (mg/L):** NA **Allowable Drawdown (ft):** 0.3

Sample Time: 1045 **Controller Settings: Recharge** 30 secs **Discharge:** 30 secs **Pressure:** 125 psi

Samplers' Signatures: [signature] **Cycles Per Minute:** 1

Time	Water Level (ft btoc)	Temperature (Degrees C)	pH	Specific Cond. (µs/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (mL/min)	Comments
0940	205.61	15.80	7.14	1136	5.69	-15.5	7.45	150	
0950	205.61	15.97	7.22	1142	5.00	-72.1	6.54	150	
1000	205.61	16.06	7.22	1142	5.39	-72.9	16.4	150	
1010	205.61	15.36	7.19	1085	5.66	-66.9	9.86	150	
1030	205.61	15.59	7.18	1052	5.77	-63.4	4.55	150	Mn purge met
1035	205.61	15.62	7.17	1045	5.76	-62.6	3.41	150	
1040	205.61	15.78	7.17	1045	5.80	-63.1	3.75	150	Total purge 3.6 gallons

Casing Volume Calculations:
Water Col X Casing Factor = Gallons per Casing Volume
Casing Factors: 2" diameter well 0 16 / 4" diameter well: 0 65 / 6" diameter well 1 47

Previous controller settings: Recharge: _____ **Discharge:** _____

Pressure: _____ **Cycles Per Minute:** _____ **Flow Rate:** _____

Screened Interval: 328-358 ft bgs **Minimum purge volume:** 2 9 gallons

PARAMETERS FOR WATER QUALITY STABILIZATION

Temperature	±1°C	DO	±10% OR ±0 2mg/L (whichever is greater)
pH	±0 1 pH unit		
Specific Cond	±3%		
ORP	±10mV	Turbidity	< 50 NTU and ±10% OR < 10 NTU
Water Level	± 0 3 foot		

Ferrous Fe Analyzed ☐ Minimum Purge Met and Notated ■
Total Purge Volume Recorded ■ Simultaneous Purge Allowed ■

SLC UA Plume 700S 1600E 3/10/24

Personel: Joe Borgerding (Author), Melissa Mitton, Lydia Lytle

PPE: Level D

Weather: Sunny 60°F

Activities: Synoptic WL

1110: Arrive onSight pack equipment

1220: Arrive at MW-31 and take WLs

1315: Arrive at MW-04 and take WL

1340: Arrive at MW-06 and take WL

1400: Arrive at MW-44 and take WLs

1430: arrive at MW-01 and take WL at MW-01D, MW-01s has tangled transducer, wait to take WL when we have another employee to help.

1456: Arrive at MW-39 and take WLs

1516: Call Zane Kocarik with the UA Campus, ask to unlock gate to MW-41

1520: Zane unlocks gate, arrive at MW-41 and take WLs

1537: Arrive at EW-01 and take WL

1546: Arrive at IW-01 and take WL

1603: Arrive at MW-42 and take WL

1617: Arrive at MW-40 and take WL

1650: Arrive at MW-43 and take WL

1720: Arrive at MW-02 and take WL

Scale: 1 square = _____

Rite in the Rain

SLC VA Blume 700S 600E 3/10/25

1737: Arrive at MW-28 and take WL
1755: Arrive at MW-25 and take WL
1820: Arrive at MW-26 and take WL
1900: Unpack at Connex
1915: Offsite

Joe Borgerding
3/10/25

Scale: 1 square = _____

SLC VA Blume 700S 600E 3/11/25

Personel: Lydia Lyttle (author), Melissa Mitton, Joe Borgerding, Ryan Pomroy
Pfeiffer
Weather: sunny 53°
Activity: GAS sampling
07:15: arrived on site
8:35: Ryan and Lydia arrive on site at MW05
9:30 Neil Smith arrived on site
10:03 Pump deployed
10:24 water purge time
11:28 parameters are stable
11:34 sample time
12:56 arrived at MW-30
13:32 Purge started on MW-30A
14:44 Ryan ran to Connex for more gas
15:03 Purge began again
15:42 MW30RA is sampled
15:55 water flow at MW30RB began
17:05 sample time
18:00 return to connex to unpack
19.00 fill off site

Scale: 1 square = _____

Rite in the Rain

SLC U4 PLUME 3/12/25

CHAN PANISH (RP, WASATCH ENV)

0635 - OFFICE
- COLLECT MW-034 VOLUME BOOSTER

0711 - ON SITE
- HEALTH / SAFETY

0927 - SET UP ON MW-30C

0936 - START MW-30C PURGE

1111 - STOP PURGE, GET MORE N_2

1130 - RESUME PURGE

1350 - SAMPLE MW-30C, PFAS (2x500, 1x250)
- TROUBLESHOOT MW-033

1619 - SET UP ON MW-24
- REPLACE TUBING
- EQ BLANK ON MW-24
- FIELD BLANK

1745 - PULL MW-24
- DEMOB

Scale: 1 square = _____

Scale: 1 square = _____

Rite in the Rain

SLC VA GW Sampling 2/21/2025

1140 IN, MM back to conex to unload and lock up. Picking up MW-03RA volume booster to bring to Wasatch.

1205 IN, MM drop sample coolers, FEI rentals, and BESST pump controller to Fedex.

1225 MM offsite for the day. IN to Wasatch to drop off keys to gates/conex, PID cal gas regulator, and MW-03RA volume booster.

1300 IN dropped off stuff at Wasatch, done for the day.

Meade 2/21/2025

SLC VA PFAS GW Sampling 3/10/25

Personnel: Melissa Mitton (CDM Smith, Author), Joe Borgerding (CDM Smith), Lydia Lytle (CDM Smith)

Weather: 50-62° Sunny

PPE: Level D

Task: Unload Equipment & Begin measuring water level meters

1050 - MM & JB arrive on-site. Begin unpacking rental equipment

1150 - LL arrives on-Site after packing up supplies

1215 - Mob to Collect Water level meters

1430 - JB calls to ask about tangle at MW01

1445 - MM calls Neil Smith (PTL) to ask about stuck WLM @ MW29 Decide to move on & Comeback after sampling.

1500 - MM & LB Mob to MW24

1823 - MM calls Neil Smith (PTL). Equipment Swap team accidentally swapped MW27 for PFAS Free parts instead of MW24. We have an extra bladder & SS check valve on-Site, but may need more HDPE tubing.

1925 - Staff off-site

Kissing the Rain

SLC VA PFAS Groundwater Sampling 3/11/25

Personnel: CDM Smith: Melissa Mitten (Arbor) Joe Borgerding, Lydia Lytle, Neil Smith Ryan Panasay (Wasatch)

Weather: 46-62° F Sunny - P. Cloudy wind 4 mph from SE, Humidity 35%

PPE: Level D

Task: Complete groundwater gauging, Begin PFAS Groundwater Sampling

0717 - MM arrives on site. Ryan already on site

0725 - All staff on site. Finish calibrating 2 YSIs. Perform daily tailgate

0820 RP & LL mob to MW05R

0900 Neil Smith (DTL) arrives on-site Discusses Plan for day Team can't get WL from MW29A due to volume booster. ~~MW~~ will gauge after sampling MW01S cannot be gauged due to stuck pump

1025 JB, MM & NS arrive at connexes

0915 NS arrives on-site checks in with LL & RP at MW05R

1140 Complete calibration of other two YSIs, MM mobs to MW-29 JB off-site to P/U ice for sample chilling

1200 - LL calls MM. Forget to take EB off MW-05R before deploying pump.

1205 - MM calls NS. Recommended to take EB off MW-24 when pump is redeployed instead of MW05

1220 - MM asks LL/RP team to mob to MW30 next. LL to come P/U sample forms

1225 - MM/JB begin pumping MW29A/B

1250 - LL/RP team check in w/ MM P/U sample forms for MW30. Neil checked in w/ MM/JB @ MW29

1451 Collect Sample at MW-29B

1520 - Water produced at MW29A

1608 - Water produced at MW-29C

1714 - Collect GW sample at MW-29A

1745 - Collect GW sample at MW-29C Clean up equipment Neil Smith off-site Team uploads equipment at Connex, containerize all IDW

1800 - All off-site

MM

Rite in the Rain

SLC VA PFAS Groundwater Sampling 3/12/25

Personnel: CDM Smith: Melissa Mitton (Author)
Joe Borgerding, Lydia Lytle
Ryan Fanasy

Weather: 46 – 61 M. Sunny
Wind 11 mph from S, Humidity 43%

PPE: Level D

Task: PFAS Ground water Sampling

0715 - MM, SB, RP arrive on-site
Begin packing up equipment

0725 - NS & LL arrive on-site

0750 - Prefer daily Tailgate

0850 - RP Mobs to MW-30C
SB, MM, LL mob to MW-03R
to Set up Sampling at
MW-03RB/D & Volume booster
at MW-03RA

0950 - Purge begins at MW-03RB

1100 - Complete installing new
volume booster at MW-03RA
Also replaced filter

1110 - Leaking regulator at MW30C
Cussed RP to run out of gas
LL Mobs to MW30C to water
well while RP exchanges
bottles

1115 - Collect GW sample from MW-03RB
Field Dup: FD01-GW031225
3/12/25 1000

1045 - No water from MW-03D with
Pressure up to 175-180PSI
Turned Air off.

1125 - Connect air to MW-03C.
-MM orders 3 addl N cylinders
-Gas on at MW-03RA

1219 - Purge begins at MW-03RC

1228 - Purge begins at MW03RA

13:54 - Collect GW sample at MW03RC

1410 - Collect GW sample at MW-03RA

1550 - MM & LL depart site to ship all
collected samples except MW-30C
& P/U New HDPE tubing respectively

1615 - MM arrives back on-site

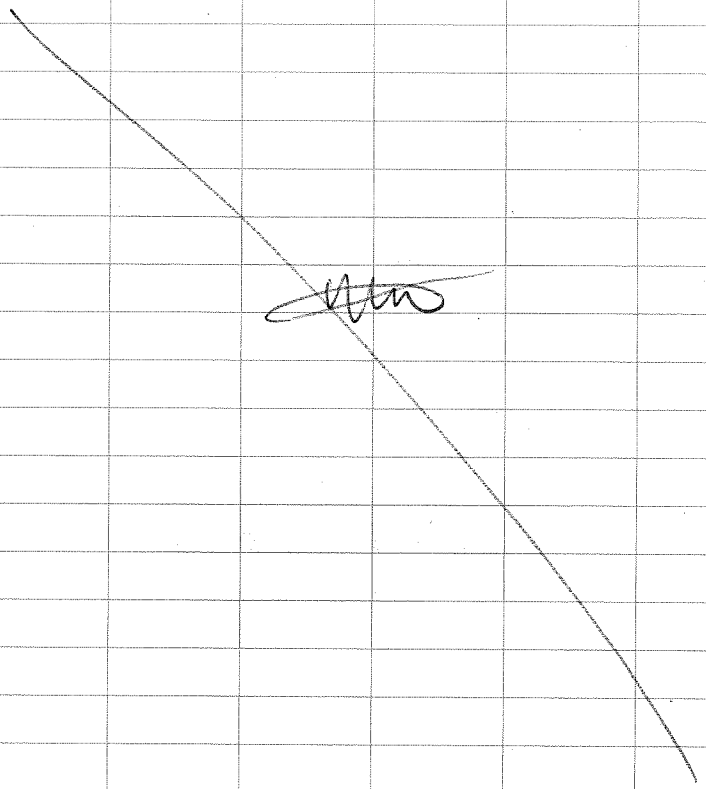
1620 - LL arrives back on-site. LL, RP, NS
Mob to MW-24 to exchange
PFAS free Parts, & tubing & collect
equipment blank

1617 - Begin purging MW-03RD
Collect GW sample at MW03RD

1715 - Collect Equipment blank off
inside / through bladder pump
after PFAS free Soap & deon
at MW-24

Rite in the Rain

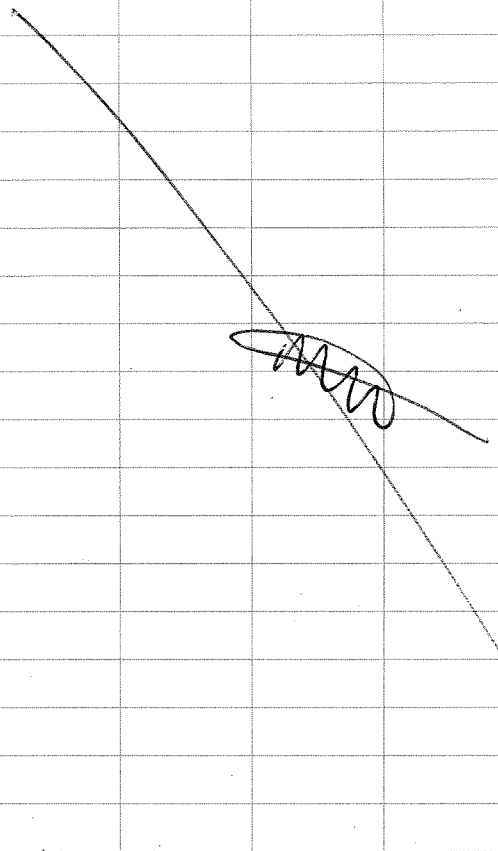
1740 Collect FB01-GW031225
let sit ~ 1 min w/ caps off
1745 MM, LL, RP Mob to MW29A
to remove pump in order
to get WL in AM.
1758- Team arrives at connexes to
unload
1830 - Team departs site



Personnel: CDM Smith: Melissa Mitton (Author)
Joe Bergerding, Lydia Lytle
Weather: 50-53°F, Cloudy, Chance of
rain, Wind 17mph from SE
PPE: Level D
Tasks: Collect GW sample from MW-24,
WL measurement ~~from~~ from MW-29A
Redeploy MW29A pump
Organize connexes, locks on off campus
wells
0730 - MM & SB arrive on-site. Begin
Packing sampling equipment
0747 - LL arrives on-site
0923 - MM begins purging MW-24 after
calibrating YSI.
SB & LL go to collect WL from
MW-29A & redeploy Pump
0936 - Text Neil Smith (PTL) to
verify if New wells MW39-45
~~Need too~~ cannot lock w/ current
Caps.
1017 - Collect GW sample from MW-24
& FD02-GW031325 @ 0930
1045 - Unload truck at Connexes begin
Packing coolers
- Dropped off Coolers & ~~Fedex~~ rental equipment at Fedex

Rite in the Rain

1420- Lock up convexes after completing organizational activities. Called Mel Smith to check in to see if any add'l tasks.



Rite in the Rain

CDM Smith

WATER LEVEL MEASUREMENTS

Project: SLC VA

Project No:

Weather Conditions: Sunny, 60°F

Date: 3/10/25

Measurement Device: Solinist WL meter

Measured By: JPB

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
EW-01	3/10/25	1539	201.38	TOC	
IW-01	3/10/25	1549	198.32	TOC	
MW-01D	3/10/25	1437	169.66	TOH	Transducer bat % and sample count: Barometer: Corrosion
MW-01S					Transducer bat % and sample count: Corrosion
MW-02	3/10/25	1720	170.05	TOH	
MW-03RA	3/11/25	0851	187.36	TOC	
MW-03RB	3/11/25	0853	202.76	TOC	Transducer bat % and sample count:
MW-03RC	3/11/25	0901	202.80	TOC	
MW-03RD	3/11/25	0909	202.94	TOC	
MW-04	3/10/25	1324	135.06	TOC	Transducer bat % and sample count: Transducer bat % and sample count:
MW-05R					
MW-06	3/10/25	1345	119.17	TOH	Transducer bat % and sample count:
MW-23A	3/11/25	0927	187.89	TOC	
MW-23B	3/11/25	0930	197.12	TOC	
MW-23C	3/11/25	0937	215.52	TOC	
MW-24					

CDM Smith

WATER LEVEL MEASUREMENTS

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
MW-25A	3/10/25	1758	176.95	TOC	
MW-25B	3/10/25	1805	170.12	TOC	
MW-25C	3/10/25	1816	208.79	TOC	
MW-26A	3/10/25	1827	189.66	TOC	
MW-26B	3/10/25	18:39	193.54	TOC	
MW-26C	3/10/25	18:54	215.50	TOC	
MW-26D	3/10/25	19:01	216.41	TOC	
MW-27					
MW-28	3/10/25	1737	186.50	TOC	
MW-29A	3/11/25	8:29	116.35	TOC	stuck ~10A assumed tangled w/ volume booster 3/11/25
MW-29B	3/11/25	0959	154.54 ~~188.22~~ JPB 3/11/25	TOC	
MW-29C	3/11/25	0951	157.77	TOC	
MW-30RA					Transducer bat % and sample count:
MW-30RB					
MW-30C	3/11/25	843	227.75	TOC	Transducer bat % and sample count:
MW-31A	3/10/25	1243	126.61	TOC	
MW-31B	3/10/25	1258	139.72	TOC	
MW-31C	3/10/25	1312	147.08	TOC	
MW-39D	3/10/25	1501	204.51	TOC	
MW-39S	3/10/25	1515	204.37	TOC	

CDM Smith

WATER LEVEL MEASUREMENTS

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
MW-40D	3/10/25	1618	207.93	TOC	
MW-40S	3/10/25	1622	189.21	TOC	
MW-41D	3/10/25	1529	194.19	TOC	
MW-41S	3/10/25	1522	175.32	TOC	
MW-42D	3/10/25	1605	201.73	TOC	
MW-42S	3/10/25	1608	191.22	TOC	
MW-43D	3/10/25	1656	214.21	TOC	
MW-43S	3/10/25	1652	201.65	TOC	
MW-44D	3/10/25	1406	177.19	TOC	
MW-44S	3/10/25	1402	155.89	TOC	

Additional Comments:

= Wells for PFAS sampling - DO NOT USE PFAS PRODUCTS AT THESE Wells

Locations with TP bolts: MW-4, MW-6, MW-14, MW-17, MW-28

CDM Smith

WATER LEVEL MEASUREMENTS

Project: _____ **Project No:** _____

Weather Conditions: 60°F Sunny w/ Slight Breeze **Date:** _____

Measurement Device: heron Skinnydip 4/1/28202X **Measured By:** _____

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
EW-01					
IW-01					
MW-01D					Transducer bat % and sample count: Barometer:
MW-01S					Transducer bat % and sample count:
MW-02					
MW-03RA					
MW-03RB					Transducer bat % and sample count:
MW-03RC					
MW-03RD					
MW-04					Transducer bat % and sample count: Transducer bat % and sample count:
MW-05R	3/10/25	15:45 ~~13:40~~	213.90	TOC	
MW-06					Transducer bat % and sample count:
MW-23A					
MW-23B					
MW-23C					
MW-24	3/10/25	~~15:25~~ 15:47	~~187.28~~ 184.91	~~TOC~~ TOH?	

CDM Smith

WATER LEVEL MEASUREMENTS

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
MW-25A			~187		
MW-25B					
MW-25C					
MW-26A					
MW-26B					
MW-26C					
MW-26D					
MW-27	3/10/24	15:25	157.28	TOC	
MW-28					
MW-29A					WLM Stuck on Volume Booster
MW-29B					
MW-29C					MLM Stuck at ~158
MW-30RA			225.80 225.65	TOH TOC	Transducer bat % and sample count:
MW-30RB			227.85 227.99	TOC TOH	/
MW-30C					Transducer bat % and sample count: 3/10 16:20 WLM Stuck @ ~20 ft
MW-31A					
MW-31B					
MW-31C					
MW-39D					
MW-39S					

CDM Smith

WATER LEVEL MEASUREMENTS

Well	Date	Time	Depth to Water (feet)	Reference TOC = top of casing, TOH = top of housing	Comments
MW-40D					
MW-40S					
MW-41D					
MW-41S					
MW-42D					
MW-42S					
MW-43D					
MW-43S					
MW-44D					
MW-44S					

Additional Comments:

= Wells for PFAS sampling - DO NOT USE PFAS PRODUCTS AT THESE Wells

Locations with TP bolts: MW-4, MW-6, MW-14, MW-17, MW-28

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Appendix B
Quality Control Summary Reports

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Quality Control Summary Report

PFAS Groundwater Sampling
March/June 2025

Operable Unit 1 Remedial Investigation
700 South 1600 East PCE Plume,
Salt Lake City, Utah

November 2025

CDM Smith

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Attachments

Attachment 1 Data Validation Reports
Attachment 2 Data Package Completeness Review Checklists
Attachment 3 Analytical Data Packages

Acronyms

%	percent
%D	percent difference
%R	percent recovery
CDM Smith	CDM Federal Programs Corporation
COC	chain-of-custody
DQI	data quality indicator
DQO	data quality objective
EPA	U.S. Environmental Protection Agency
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MRL	method reporting limit
MS/MSD	matrix spike/matrix spike duplicate
PARCCS	precision, accuracy, representativeness, comparability, completeness, and sensitivity
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
QCSR	quality control summary report
RPD	relative percent difference
RSD	relative standard deviation
SDG	sample delivery group
Site	700 South 1600 East Tetrachloroethene Plume Superfund Site
SM	standard method
Sterling	Sterling Labs
TSS	total suspended solids
USACE	U.S. Army Corps of Engineers

Section 1

Data Usability and Assessment Review

Under the U.S. Army Corps of Engineers (USACE), Kansas City District, Contract No. W912DQ-21-D-3004, Task Order No. W912DQ22F3063, CDM Federal Programs Corporation (CDM Smith) was directed to perform *groundwater sampling for per- and polyfluoroalkyl substances (PFAS) for Operable Unit (OU) 1 of the 700 South 1600 East Tetrachloroethene (PCE) Plume Superfund Site (site) in Salt Lake City, Utah, in support of a PFAS Site Inspection (SI) currently underway by the Veterans Health Administration.* Groundwater samples were collected in two sampling events occurring from March 11-13, 2025, and June 5, 2025. Aqueous samples were shipped to Sterling Labs in Des Plaines, Illinois for analysis.

The purpose of this quality control summary report (QCSR) is to summarize the data validation and determine whether the sample results meet the data quality objective (DQO) of the data usability outlined in the *Final Quality Assurance Project Plan PFAS Site Inspection (QAPP), 700 South 1600 East PCE Plume, Salt Lake City, Utah,* Prepared for the U.S. Army Corps of Engineers, Kansas City District (CDM Smith 2025).

1.1 Usability Summary

Data collected and validated during this field investigation are usable as reported. Applicable data validation qualifiers were added if required. No sample results were rejected. Specific details are provided in the data validation reports summarized in Section 5 and presented in **Attachment 1**

Section 2
Quality Assurance Objectives

Quality assurance (QA) objectives for measurement data are expressed in terms of precision, accuracy, representativeness, comparability, completeness, and sensitivity (PARCCS). The PARCCS parameters characterize the quality of the data and as such are called data quality indicators (DQIs). The DQIs provide a mechanism for ongoing quality control (QC) and evaluating and measuring data quality throughout the project.

A review of the collected data is necessary to determine if data measurement objectives established in the QAPP (CDM Smith 2025) were met. In general, the following data measurement objectives were considered:

- Achievement of analytical method and reporting limit requirements
- Adherence to and achievement of appropriate laboratory analytical and field QC requirements
- Achievement of required measurement performance criteria for DQIs (the PARCCS parameters)
- Adherence to sampling and sample handling procedures
- Adherence to the sampling design and deviations documented on field change notifications, if required

The data validation review of the DQIs and other QA objectives determines if the data are of sufficient quality to support their intended use.

Section 3
Field and Laboratory Quality Assurance Activities

CDM Smith completed field sampling activities between March 10-13 and June 5, 2025. The following table provides a summary of the number of samples collected during each of the sampling rounds and the dates each sampling event occurred:

Sterling SDG* O25C0550 – Groundwater – March 11 to 12, 2025
9 samples
1 field duplicate sample
Sterling SDG O25C0608 – Groundwater – March 12 to 13, 2025
3 samples
1 field duplicate sample
1 field blank sample
1 equipment blank sample
Sterling SDG O25F0365 – Groundwater – June 5, 2025
2 samples
1 field duplicate sample
1 field blank sample

*SDG – sample delivery group

All samples were received intact with proper chain-of-custody (COC) documentation at Sterling Labs in Des Plaines, Illinois. Sample identification was accurately documented by the laboratory and/or updated if required.

Table 3-1 presents a list of the samples collected and the analyses performed. **Attachment 2** presents the completeness review checklists of the data packages. **Attachment 3** includes the analytical data packages.

Sample preparation and analyses were conducted within the method-specified holding times.

The QAPP (CDM Smith 2025) defined the procedures to be followed and the data quality requirements for the field sampling events and associated analytical work.

3.1 Deviations from Field Procedures

As discussed in the DSR, the following deviations were encountered during the sampling event:

- The synoptic water level event was completed within 24 hours, with the exception of MW-29A. The water level in this well was below the top of the volume booster and the water level meter probe could not pass through. The pump was pulled after sample collection, bagged, labeled and stored overnight to allow the water level to recover and stabilize. The water level was recorded the following morning, and the pump was redeployed. The water levels were all measured within 68 hours. However, the data are usable as intended.

- During well preparation for PFAS sampling, MW-24 was mistaken for MW-27. The new tubing, check valves, and bladder were replaced in MW-27 instead of MW-24. This oversight was caught prior to sampling. On March 12, 2025, the pump at MW-24 was cleaned and decontaminated, then the Teflon bladder, check valves, and tubing were replaced, and an equipment blank was collected from the decontaminated pump prior to deployment. MW-24 was sampled the next morning on March 13, 2025.

3.2 Field Quality Assurance/Quality Control

For the March sampling, two field duplicate pairs were collected for 12 environmental groundwater samples. One field duplicate pair was collected for the 2 environmental groundwater samples collected in June. One matrix spike/matrix spike duplicate (MS/MSD) sample was analyzed for the groundwater samples for both events. One field blank was collected for each sampling event, using PFAS-free water supplied by the laboratory. One equipment blank was collected for the program to confirm sampling equipment potential contamination.

The QC sample collection frequency requirements in the QAPP (CDM Smith 2025) of 10 percent (%) for field duplicates was met. The MS/MSD sample collected was not specific to the QAPP (CDM Smith 2025) but was collected as part of the program wide project QC meeting the 5% criteria. The collected field blanks meet the QAPP criterion of one field blank per event.

3.3 Laboratory Quality Assurance/Quality Control

Analytical QA/QC was assessed by laboratory QC checks, method blanks, sample custody tracking, sample preservation, adherence to holding times, laboratory control samples (LCSs), MS samples, calibration verifications, surrogates, and other applicable QC parameters. As presented in the data validation reports in **Attachment 1** of this report, the laboratory QC samples met project criteria requirements with the appropriate qualifiers applied. All data are considered usable.

3.3.1 Laboratory Methods

Samples were analyzed using the following U.S. Environmental Protection Agency (EPA) methods:

- EPA Method 1633
- Standard Method (SM) 2540D -Total Suspended Solids

The methods used met project objectives.

Table 3-1
Sample List and Analyses
Groundwater
700 South 1600 East PCE Plume Site
Salt Lake City, Utah

Field Sample ID	Matrix	Sample Date	Lab SDG	Methods
EB01-GW031225	WQ	3/12/2025	O25C0608	E1633
FB01-GW031225	WQ	3/12/2025	O25C0608	E1633
FB01-GW060525	WQ	6/5/2025	O25F0365	E1633 SM2540D
FD01-GW031225	WG	3/12/2025	O25C0550	E1633 SM2540D
FD02-GW031325	WG	3/13/2025	O25C0608	E1633 SM2540D
FD02-GW060525	WG	6/5/2025	O25F0365	E1633 SM2540D
MW03RA-GW031225	WG	3/12/2025	O25C0550	E1633 SM2540D
MW03RB-GW031225	WG	3/12/2025	O25C0550	E1633 SM2540D
MW03RC-GW031225	WG	3/12/2025	O25C0550	E1633 SM2540D
MW03RD-GW031225	WG	3/12/2025	O25C0608	E1633 SM2540D
MW05R-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW24-GW031325	WG	3/13/2025	O25C0608	E1633 SM2540D
MW29A-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW29B-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW29C-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW30C-GW031225	WG	3/12/2025	O25C0608	E1633 SM2540D
MW30RA-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW30RB-GW031125	WG	3/11/2025	O25C0550	E1633 SM2540D
MW39D-GW060525	WG	6/5/2025	O25F0365	E1633 SM2540D
MW39S-GW060525	WG	6/5/2025	O25F0365	E1633 SM2540D

Acronyms:
E1633 - Per- and Polyfluoroalkyl Substances (PFAS)
ID - identificaton
SDG - sample delivery group
SM2540D - Total Suspended Solids
WG - groundwater
WQ - water quality

Table 3-2
Blank Sample Results
Groundwater
700 South 1600 East PCE Plume Site
Salt Lake City, Utah

		Lab SDG	O25C0608		O25C0608		O25F0365	
		Lab Sample ID	O25C0608-05		O25C0608-06		O25F0365-01	
		Sample Name	FB01-GW031225		EB01-GW031225		FB01-GW060525	
		Sample Date	3/12/2025		3/12/2025		6/5/2025	
		Sample Type	FB		EB		FB	
Method	Analyte	Unit	Result	Q	Result	Q	Result	Q
E1633	11Cl-PF3OUdS	ng/l	0.29	U	0.30	U	0.31	U
E1633	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	ng/l	1.20	U	1.20	U	**4.19**	**J**
E1633	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	ng/l	0.96	U	0.96	U	**3.50**	**J**
E1633	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ng/l	2.91	U	2.91	U	3.03	U
E1633	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ng/l	3.48	U	3.49	U	3.62	U
E1633	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ng/l	0.63	U	0.63	U	0.65	U
E1633	4:2 FTS	ng/l	0.39	U	0.39	U	0.41	U
E1633	6:2 FTS	ng/l	2.63	U	2.64	U	2.74	U
E1633	8:2 FTS	ng/l	0.58	U	0.58	U	0.60	U
E1633	9Cl-PF3ONS	ng/l	0.17	U	0.17	U	0.18	U
E1633	ADONA	ng/l	0.14	U	0.14	U	0.15	U
E1633	HFPO-DA	ng/l	0.39	U	0.39	U	0.41	U
E1633	N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	ng/l	0.29	U	0.30	U	**0.35**	**J**
E1633	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/l	0.28	U	0.28	U	0.29	U
E1633	N-methylperfluoro-1-octanesulfonamide (MeFOSA)	ng/l	0.25	U	0.25	U	0.26	U
E1633	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/l	0.42	U	0.42	U	0.43	U
E1633	Nonafluoro-3, 6-dioxaheptanoic acid (NFDHA)	ng/l	0.43	U	0.43	U	0.44	U
E1633	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ng/l	0.16	U	0.16	U	0.17	U
E1633	Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/l	0.10	U	0.10	U	0.11	U
E1633	Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/l	0.11	U	0.11	U	0.12	U
E1633	Perfluorobutanesulfonic acid (PFBS)	ng/l	0.18	U	0.18	U	0.19	U
E1633	Perfluorobutanoic acid (PFBA)	ng/l	0.46	U	0.46	U	0.47	U
E1633	Perfluorodecanesulfonic acid (PFDS)	ng/l	0.13	U	0.13	U	0.14	U
E1633	Perfluorodecanoic acid (PFDA)	ng/l	0.12	U	0.12	U	0.13	U
E1633	PERFLUORODODECANESULFONIC ACID (PFDoS)	ng/l	0.08	U	0.08	U	0.08	U
E1633	Perfluorododecanoic acid (PFDoA)	ng/l	0.10	U	0.10	U	0.11	U
E1633	Perfluoroheptanesulfonic Acid (PFHpS)	ng/l	0.39	U	0.39	U	0.41	U
E1633	Perfluoroheptanoic acid (PFHpA)	ng/l	0.15	U	0.15	U	0.16	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	ng/l	0.22	U	0.22	U	0.23	U
E1633	Perfluorohexanoic acid (PFHxA)	ng/l	0.12	U	0.12	U	0.13	U
E1633	Perfluorononanesulfonic acid (PFNS)	ng/l	0.19	U	0.19	U	0.20	U
E1633	Perfluorononanoic acid (PFNA)	ng/l	0.09	U	0.09	U	0.09	U
E1633	Perfluorooctanesulfonamide (FOSA)	ng/l	0.10	U	0.10	U	0.10	U
E1633	Perfluorooctanesulfonic acid (PFOS)	ng/l	**0.65**	**J+**	**0.71**	**J+**	0.22	U
E1633	Perfluorooctanoic acid (PFOA)	ng/l	0.11	U	0.11	U	**0.22**	**J**
E1633	Perfluoropentanesulfonic acid (PFPeS)	ng/l	0.20	U	0.20	U	0.21	U
E1633	Perfluoropentanoic acid (PFPeA)	ng/l	0.13	U	0.13	U	0.14	U
E1633	Perfluorotetradecanoic acid (PFTeA)	ng/l	0.11	U	0.11	U	0.12	U
E1633	Perfluorotridecanoic acid (PFTriA)	ng/l	0.07	U	0.07	U	0.07	U
E1633	Perfluoroundecanoic acid (PFUnA)	ng/l	0.18	U	0.18	U	0.19	U
SM2540D	Suspended Solids (Residue, Non-Filterable)	mg/l	--	--	--	--	**5.00**	**J**

Acronyms and Notes:
E1633 - Per- and Polyfluoroalkyl Substances (PFAS)
EB - equipment blank
FB - field blank
J - value is estimated
J+ - value is estimated, biased high
mg/L - milligram per liter
ng/L - nanogram per liter
Q - qualifier
SDG - sample delivery group
SM2540D - Total Suspended Solids
U - nondetect
Highlighted and bolded results are detect.

Section 4
Data Validation Procedures

For this QCSR, there were three laboratory SDGs. Qualified CDM Smith data validators not associated with project sampling activities validated the data reported in the SDGs. Data validation was performed in accordance with specified analytical methods and performance criteria outlined in the QAPP (CDM Smith 2025) and in the EPA's *National Functional Guidelines for Organic Superfund Methods Data Review* (EPA 2020) and Module 6, Data Validation Procedure for Per- and Polyfluoroalkyl Substances, Analysis by QSM Table B-24 (DOD 2022). Validation reports were prepared and are presented in **Attachment 1**. The following SDG data packages were validated:

Groundwater – March and June 2025

- Sterling – SDG O25C0608
- Sterling – SDG O25C0550
- Sterling – SDG 025F0365

Table 4-1 present the results that were qualified and the reasons for the qualifications. Qualifiers applied are defined as follows:

- J → Result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+→ Result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. Results are potentially biased high.
- U → Analyte was analyzed for but was not detected above the level of the sample method detection limit (MDL). For this data set the nondetect values were reported at the MDL.
- UJ → Analyte was analyzed for but was not detected above the level of the sample MDL. The MDL is approximate.

Table 4-1
Qualification Summary
Groundwater
700 South 1600 East PCE Plume Site
Salt Lake City, Utah

Field Sample ID	Laboratory SDG	Method	Analyte	CAS #	Final Result	Unit	Validation Qualifier	Interpreted Qualifier	Qualifier Reason
EB01-GW031225	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.71	ng/l	J+	J+	MB, FB
FB01-GW031225	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.65	ng/l	J+	J+	MB
FD01-GW031225	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.75	ng/l	J+	J+	MB, FB
FD02-GW031325	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.85	ng/l	J+	J+	MB, FB
FD02-GW031325	O25C0608	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.67	ng/l	J+	J+	MB
MW03RA-GW031225	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.9	ng/l	J+	J+	MB, FB
MW03RA-GW031225	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	1.6	ng/l	J+	J+	MB
MW03RB-GW031225	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.76	ng/l	J+	J+	MB, FB
MW03RB-GW031225	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.5	ng/l	J+	J+	MB
MW03RC-GW031225	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.81	ng/l	J+	J+	MB, FB
MW03RC-GW031225	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.47	ng/l	J+	J+	MB
MW03RD-GW031225	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.6	ng/l	J+	J+	MB, FB
MW03RD-GW031225	O25C0608	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.43	ng/l	J+	J+	MB
MW05R-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.68	ng/l	J+	J+	MB, FB
MW05R-GW031125	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.52	ng/l	J+	J+	MB
MW24-GW031325	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.85	ng/l	J+	J+	MB, FB
MW24-GW031325	O25C0608	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.62	ng/l	J+	J+	MB
MW29A-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.31	ng/l	J+	J+	MB, FB
MW29A-GW031125	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	1.61	ng/l	J+	J+	MB
MW29B-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.73	ng/l	J+	J+	MB, FB
MW29B-GW031125	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.49	ng/l	J+	J+	MB
MW29C-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.75	ng/l	J+	J+	MB, FB
MW29C-GW031125	O25C0550	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.53	ng/l	J+	J+	MB
MW30C-GW031225	O25C0608	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1.47	ng/l	J+	J+	MB, FB
MW30RA-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.81	ng/l	J+	J+	MB, FB
MW30RB-GW031125	O25C0550	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.97	ng/l	J+	J+	MB, FB
FD02-GW060525	O25F0365	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.24	ng/l	J+	J+	MB, FB
MW39D-GW06025	O25F0365	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.22	ng/l	J+	J+	MB, FB
MW39S-GW060575	O25F0365	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	0.25	ng/l	J+	J+	MB, FB
MW39D-GW060525	O25F0365	E1633	Suspended Solids (Residue, Non-Filterable)	SS	2.0	ng/l	U	U	FB
MW39S-GW060525	O25F0365	E1633	Suspended Solids (Residue, Non-Filterable)	SS	10.0	ng/l	J+	J+	FB

Acronyms:

CAS - Chemical Abstract Service
E1633 - Per- and Polyfluoroalkyl Substances (PFAS)
FB - field blank criteria
ID - identification
J+ - estimated value, biased high
MB - method blank criteria
MDL - Method Detection Limit
mg/L - milligram per liter
ng/L - nanograms per liter
SDG - sample delivery group
SM2540D - Total Suspended Solids
U - nondetect

Section 5
Data Quality Indicators

This section summarizes the validation performed and the overall quality of the data. The validation reports are provided in **Attachment 1**.

Achievement of the DQO regarding data usability was determined by the use of DQIs. These DQIs are expressed in terms of PARCCS. The DQIs provide a mechanism to evaluate and measure data quality throughout the project. These criteria are defined in **Table 5-1** and in the following subsections.

5.1 Precision

Precision is a quantitative term that estimates the reproducibility of a set of replicate measurements under a given set of conditions. It is defined as a measurement of mutual agreement between measurements of the same property and is expressed in terms of relative percent difference (RPD) between duplicate determinations.

RPD is calculated as follows:

$$\textbf{RPD} = \textbf{absolute value } [(C1 - C2)/\{(C1 + C2)/2)\}] \times 100\%$$

Where:

C1 = concentration of primary sample
C2 = concentration of duplicate sample

Field and analytical precision were determined from review of the field duplicate results, MS/MSDs, LCS/laboratory control sample duplicate (LCSDs), and laboratory duplicate results. The duplicate sample results were compared after calculating their RPDs and/or the absolute criteria if applicable. Field duplicate samples were collected in the same manner as the original samples but collected in separate individual containers, given separate sample identifiers, and treated as unique samples by the laboratory.

Tables 5-2 presents the 2025 field duplicate sample results for groundwater, respectively. A control limit of 30% RPD was used for the groundwater field duplicate samples when both sample concentrations were greater than five times the MRL. If the sample concentrations were below five times the MRL, the absolute difference between the samples is calculated; if that value is below the MRL, no qualification is required. Laboratory RPDs are specific to the QC parameter. RPD and absolute difference results are summarized below:

Groundwater –March 2025

- Field duplicate RPDs or absolute criteria results were within control limits.
- LCS/LCSD RPDs were within control limits.

- MS/MSD RPD results were within control limits.
- Laboratory duplicate RPDs were within control limits, or the samples were not site specific.

Groundwater –June 2025

- Field duplicate RPDs or absolute criteria results were within control limits.
- LCS/LCSD RPDs were within control limits.

5.2 Accuracy

Accuracy is the degree of agreement of a measurement with an accepted reference or true value and is a measure of the bias in a system. Two different metrics are evaluated to assess result accuracy: calculation of percent recovery (%R) for spiked analytes with known concentrations and review of blank results for cross-contamination.

5.2.1 Percent Recovery

Accuracy of the data was assessed by comparing recoveries of LCSs, MSs, calibration standards, surrogates, and internal standards. Accuracy is expressed as %R, which is calculated as:

$$\textbf{Percent Recovery} = \frac{\textbf{(Total Analyte Found – Analyte Originally Present)} \times \textbf{100}}{\textbf{Analyte Added}}$$

Analytical accuracy for the entire data collection activity is difficult to measure because several sources of error exist. Errors can be introduced by any of the following:

- Sampling procedure and duration of sampling
- Field contamination
- Sample preservation and handling
- Sample matrix
- Sample preparation
- Analytical techniques

Accuracy is maintained by adhering to the laboratory method and approved field and analytical standard operating procedures.

The following is a summary of the accuracy parameters reviewed and the resulting qualifications for the data collected:

Groundwater – March and June 2025

SDG O25C0550

- Isotope dilutions/surrogates were within criteria except for those detailed in the SDG validation report in **Attachment A.** Associated sample results were nondetect. No qualifiers were required.
- MS/MSD %Rs were within criteria.
- LCS/LCSD %Rs were within criteria
- Initial and continuing calibration verifications were within criteria.
- Internal standard results were within criteria.

SDG O25C0608

- Isotope dilutions and surrogates were within criteria except for those detailed in the SDG validation report in **Attachment A.** Associated sample results were nondetect. No qualifiers were required.
- LCS/LCSD %Rs were within criteria.
- Initial and continuing calibration verifications were within criteria.
- Internal standard results were within criteria.

SDG O25F0365

- Isotope dilutions and surrogates were within criteria.
- LCS/LCSD %Rs were within criteria.
- Initial and continuing calibration verifications were within criteria.
- Internal standard results were within criteria.

Sample preservation, sample handling, and holding times are additional measures of accuracy of the data. All cooler temperatures, sample handling information, and holding times were acceptable for the aqueous samples.

5.2.2 Blank Contamination

Blanks are used to determine the level of laboratory and field contamination introduced into the samples, independent of the level of target analytes found in the sample source. Sources of sample contamination can include the containers and equipment used to collect the sample, preservatives added to the sample, other samples in transport coolers, laboratory sample storage refrigerators, standards and solutions used to calibrate instruments, glassware and reagents used to process samples, airborne contamination in the laboratory preparation area, and the analytical instrument sample introduction equipment. Each analyte group has its own particular suite of common laboratory contaminants. Active measures must be performed to continually measure

the ambient contamination level, and steps must be taken to discover the source of the contamination to eliminate or minimize the levels. Random spot contamination can also occur from analytes that are not common laboratory problems but arise as a problem for a specific project or over a short period. Field blanks, equipment blanks, trip blanks, and laboratory method blanks are analyzed to identify possible sources of contamination.

The following text discusses validation actions required as a result of laboratory and field blank contamination.

Groundwater – March and June 2025

- For the March event, PFOA and PFOS were detected in the laboratory blanks. For the June event, PFOA was detected in the laboratory blank. Associated sample results were qualified as estimated biased high "J+."
- For the March event, PFOS was detected in the field blank and equipment blank. For the June event, PFOA, NEtFOSA, NMeFOSE, and NEtFOSE were detected in the field blank. Associated sample results for PFOS and PFOA were qualified as estimated biased high "J+." The other detected analytes did not require qualification as sample results were nondetect.
- TSS was detected in the field blank for the June sampling event. Associated sample results were qualified as estimated biased high "J+" or nondetect "U."

Ideally, no contaminants should be found in the blank samples. Blank samples are used to determine the validity of the analytical results by determining the existence and magnitude of contamination resulting from laboratory (or field) activities or baseline drift during analysis. As discussed above, analytes were detected in the field and equipment blank samples. Concentrations were below the MRLs for all detected blank results.

Associated sample results for the blank samples were qualified following the appropriate guidelines. Detected blank concentrations were below the MRLs and the resulting sample qualifications as biased high "J+" or nondetect does not falsely diminish identification of site-related contaminants.

5.3 Representativeness

Representativeness is a qualitative term that expresses the degree to which the sample data accurately and precisely represent the environmental conditions corresponding to the location and/or depth interval of sample collection. Requirements and procedures for sample collection were designed to maximize sample representativeness.

Representativeness can be monitored by reviewing field documentation and/or performing field audits. For this report, a detailed review was performed on the COC and field data collection forms. Appropriate laboratory QA/QC requirements were described in the QAPP (CDM Smith 2025) and laboratory statement of work to confirm that the laboratory analytical results were representative of true field conditions.

Field sampling representativeness was attained through strict adherence to the sampling design and the approved QAPP (CDM Smith 2025) procedures and by using EPA-approved analytical methods for sample analyses. As a result, the data represent as near as possible the actual field conditions at the time of sampling.

Representativeness, as defined above, was met for the fieldwork and laboratory analyses. The data collected are suitable for project use.

5.4 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Strict adherence to standard sample collection procedures, analytical detection limits, and analytical methods is necessary so that data from similar samples and sample conditions are comparable. This comparability is independent of laboratory personnel, data reviewers, or sampling personnel. Comparability criteria are met for the project if, based on data review, the sample collection and analytical procedures used are similar and are determined to have been followed.

To achieve comparability of data generated for the Site, CDM Smith followed standard sample collection procedures and EPA-approved analytical methods during sampling activities. The sample analyses were performed by Sterling using approved standard operating procedures and reporting units. Using such procedures and methods enables the current data to be comparable to future data sets generated with similar methods and units.

5.5 Completeness

Completeness of the field program is defined as the percentage of samples planned for collection, as listed in the QAPP (CDM Smith 2025), versus the actual number of samples collected during the field program (see equation A).

Completeness for acceptable data is defined as the percentage of acceptable data obtained judged to be valid versus the total quantity of data generated (see equation B). Acceptable data include both data that pass all the QC criteria (unqualified data) and data that may not pass all the QC criteria but had appropriate corrective actions taken (qualified but usable data).

A. $$\%\text{Completeness} = Cx\frac{100}{n}$$

Where:

C = actual number of samples collected
n = total number of samples planned

B. $$\%\text{Completeness} = Vx\frac{100}{n'}$$

Where:

V = number of measurements judged valid
n' = total number of measurements made

The overall completeness goal for this sampling event was 90% for all project data.

For the 2025 sampling round, samples outlined in the QAPP (CDM Smith 2025) were collected as planned to meet specific sampling activity objectives. The completeness for the number of samples planned to be collected versus the number of samples collected was 100% thus exceeding the 90% goal.

Analyses for the sampling event exceeded the 90% completeness goal of acceptable data for the number of measurements judged to be valid versus the total number of measurements made in each of the sampling events.

One hundred percent of the data validated and reported are suitable for their intended use for site characterization. No results were rejected, and all data collected met the overall project objective for data usability. The completeness goals were met for both the number of samples collected for all sampling events and the number of measurements judged to be valid.

The data usability DQO was achieved; the data reported are suitable for their intended use as stated in the QAPP (CDM Smith 2025). The achievement of the completeness goals for the data provides sufficient data for project decisions.

5.6 Sensitivity

Sensitivity is related to the ability to compare analytical results with project-specific levels of interest such as delineation levels or action levels. Analytical quantitation limits for the various sample analytes should be below the level of interest to allow an effective comparison.

The method detection limit (MDL) study attempts to answer the question, “What is the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero?” The study is based upon repetitive analysis of an interference-free sample spiked with a known amount of the target analyte. The MDL is a measure of the ability of the test procedure to generate a positive response for the target analyte in the absence of any other interferences from the sample.

The MRL is generally defined as the lowest concentration at which an analyte can be confidently reported in a sample and its concentration reported with a reasonable degree of accuracy and precision. For samples that do not pose a particular matrix problem, the MRL is typically about three to five times higher than the MDL.

Laboratory results are reported according to rules that provide established certainty of detection. The result for an analyte is flagged with a "U" if that analyte was not detected and reported at the MRL value or qualified with a "J" flag if associated QC results fall outside the appropriate QC criteria. For this project the nondetect values are reported at the MDL due to project specific criteria. Additionally, if an analyte is present at a concentration between the MDL and the MRL, the analytical result is flagged with a "J," indicating an estimated quantity. Qualifying the result as an estimated concentration reflects uncertainty in the reported value.

All MDLs and MRLs were met as specified in the QAPP (CDM Smith 2025). The PFDA MDL was greater than the regional screening level. PFDA is not a known constituent of potential concern for the site and the slightly elevated MDL is not considered to affect project objectives.

DOD

Table 5-1 DQIs and Corresponding QC Parameters

Data Quality Indicators	QC Parameters Evaluation in Data Review/Validation
Precision	RPD values of: 1) Field duplicates 2) MS/MSD 3) LCS/LCSD 4) Laboratory Duplicates Relative standard deviation (RSD) values of: 1) Initial calibration verifications
Accuracy/Bias	%R or %D values of: 1) LCS/LCSD %R 2) MS/MSD %R 3) Initial calibration verification/continuing calibration verification %R 4) ICP-mass spectrometry (MS) tune percent RSD 5) Surrogates 6) Internal standards Results of: 1) Method (preparation) blanks 2) Initial and continuing calibration blanks (inorganic analysis) 3) Field blanks 4) Equipment blanks
Representativeness	Results of all blanks Adherence to field standard operating procedures Sample integrity (COC and sample receipt forms) Holding times
Comparability	Similar reporting limits and units Similar sample collection methods Similar laboratory analytical methods
Completeness	Data qualifiers Laboratory deliverables Requested/Reported valid results Field sample collection (primary and QC samples) Contract compliance (i.e., method and instrument QC within limits)
Sensitivity	Sample method reporting limits meet QAPP criteria Adequacy of sample dilution

Table 5-2
Summary of Field Duplicate Sample Results
Groundwater
700 South 1600 East PCE Plume Site
Salt Lake City, Utah

	Location	MW-03RB		MW-03RB			MW-24		MW-24			MW-39D		MW-39D		
	Sample Name	MW03RB-GW031225		FD01-GW031225		RPD (%)	MW24-GW031325		FD02-GW031325		RPD (%)	MW39D-GW060525		FD02-GW060525		RPD (%)
	Sample Date	3/12/2025		3/12/2025			3/13/2025		3/13/2025			6/5/2025		6/5/2025		
	Sample Type	N		FD			N		FD			N		FD		
Method	Analyte	Unit	Result	Q	Result	Q		Result	Q	Result	Q		Result	Q	Result	Q	
E1633	11Cl-PF3OUdS	ng/l	0.31	U	0.3	U	NC	0.3	U	0.3	U	NC	0.30	U	0.30	U	NC
E1633	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol	ng/l	1.28	U	1.23	U	NC	1.21	U	1.22	U	NC	1.22	U	1.24	U	NC
E1633	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol	ng/l	1.03	U	0.98	U	NC	0.97	U	0.98	U	NC	0.98	U	0.99	U	NC
E1633	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ng/l	3.11	U	2.98	U	NC	2.94	U	2.97	U	NC	2.96	U	3.0	U	NC
E1633	3-Perfluoropentylpropanoic acid (5:3 FTCA)	ng/l	3.72	U	3.57	U	NC	3.52	U	3.55	U	NC	3.54	U	3.59	U	NC
E1633	3-Perfluoropropylpropanoic acid (3:3 FTCA)	ng/l	0.67	U	0.64	U	NC	0.64	U	0.64	U	NC	0.64	U	0.65	U	NC
E1633	4:2 FTS	ng/l	0.42	U	0.4	U	NC	0.39	U	0.4	U	NC	0.40	U	0.40	U	NC
E1633	6:2 FTS	ng/l	2.81	U	2.7	U	NC	2.67	U	2.69	U	NC	2.68	U	2.72	U	NC
E1633	8:2 FTS	ng/l	0.62	U	0.59	U	NC	0.59	U	0.59	U	NC	0.59	U	0.60	U	NC
E1633	9Cl-PF3ONS	ng/l	0.18	U	0.18	U	NC	0.17	U	0.17	U	NC	0.17	U	0.18	U	NC
E1633	ADONA	ng/l	0.15	U	0.15	U	NC	0.14	U	0.15	U	NC	0.15	U	0.15	U	NC
E1633	HFPO-DA	ng/l	0.42	U	0.4	U	NC	0.39	U	0.4	U	NC	0.40	U	0.40	U	NC
E1633	N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	ng/l	0.31	U	0.3	U	NC	0.3	U	0.3	U	NC	0.30	U	0.30	U	NC
E1633	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/l	0.29	U	0.28	U	NC	0.28	U	0.28	U	NC	0.28	U	0.28	U	NC
E1633	N-methylperfluoro-1-octanesulfonamide (MeFOSA)	ng/l	0.26	U	0.25	U	NC	0.25	U	0.25	U	NC	0.25	U	0.26	U	NC
E1633	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/l	0.45	U	0.43	U	NC	0.42	U	0.43	U	NC	0.43	U	0.43	U	NC
E1633	Nonafluoro-3, 6-dioxaheptanoic acid (NFDHA)	ng/l	0.46	U	0.44	U	NC	0.43	U	0.44	U	NC	0.44	U	0.44	U	NC
E1633	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ng/l	0.17	U	0.17	U	NC	0.16	U	0.16	U	NC	0.16	U	0.17	U	NC
E1633	Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/l	0.11	U	0.11	U	NC	0.11	U	0.11	U	NC	0.11	U	0.11	U	NC
E1633	Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/l	0.12	U	0.12	U	NC	0.12	U	0.12	U	NC	0.12	U	0.12	U	NC
E1633	Perfluorobutanesulfonic acid (PFBS)	ng/l	1.23		1.47		Abs Criteria	6.29		6.19		2	0.18	U	0.19	U	NC
E1633	Perfluorobutanoic acid (PFBA)	ng/l	2.88		2.79		Abs Criteria	4.03		4.1		Abs Criteria	0.46	U	0.47	U	NC
E1633	Perfluorodecanesulfonic acid (PFDS)	ng/l	0.14	U	0.14	U	NC	0.13	U	0.14	U	NC	0.14	U	0.14	U	NC
E1633	Perfluorodecanoic acid (PFDA)	ng/l	0.13	U	0.13	U	NC	0.13	U	0.13	U	NC	0.13	U	0.13	U	NC
E1633	PERFLUORODODECANESULFONIC ACID (PFDoS)	ng/l	0.08	U	0.08	U	NC	0.08	U	0.08	U	NC	0.08	U	0.08	U	NC
E1633	Perfluorododecanoic acid (PFDoA)	ng/l	0.11	U	0.11	U	NC	0.11	U	0.11	U	NC	0.11	U	0.11	U	NC
E1633	Perfluoroheptanesulfonic Acid (PFHpS)	ng/l	0.42	U	0.4	U	NC	0.39	U	0.4	U	NC	0.40	U	0.40	U	NC
E1633	Perfluoroheptanoic acid (PFHpA)	ng/l	0.16	U	0.16	U	NC	0.91		0.84		Abs Criteria	0.15	U	0.16	U	NC
E1633	Perfluorohexanesulfonic acid (PFHxS)	ng/l	0.44		0.43		Abs Criteria	2.74		2.78		Abs Criteria	0.22	U	0.23	U	NC
E1633	Perfluorohexanoic acid (PFHxA)	ng/l	0.13	U	0.13	U	NC	2.38		2.48		Abs Criteria	0.13	U	0.13	U	NC
E1633	Perfluorononanesulfonic acid (PFNS)	ng/l	0.2	U	0.19	U	NC	0.19	U	0.19	U	NC	0.19	U	0.20	U	NC
E1633	Perfluorononanoic acid (PFNA)	ng/l	0.09	U	0.09	U	NC	0.09	U	0.09	U	NC	0.09	U	0.09	U	NC
E1633	Perfluorooctanesulfonamide (FOSA)	ng/l	0.1	U	0.1	U	NC	0.1	U	0.1	U	NC	0.10	U	0.10	U	NC
E1633	Perfluorooctanesulfonic acid (PFOS)	ng/l	0.76	J+	0.75	J+	Abs Criteria	0.85	J+	0.85	J+	NC	0.21	U	0.22	U	NC
E1633	Perfluorooctanoic acid (PFOA)	ng/l	0.5	J+	0.12	U	Abs Criteria	0.62	J+	0.67	J+	Abs Criteria	0.22	J+	0.24	J+	Abs Criteria
E1633	Perfluoropentanesulfonic acid (PFPeS)	ng/l	0.24		0.23		Abs Criteria	0.36		0.35		Abs Criteria	0.20	U	0.21	U	NC
E1633	Perfluoropentanoic acid (PFPeA)	ng/l	0.14	U	0.14	U	NC	3.49		3.35		Abs Criteria	0.14	U	0.14	U	NC
E1633	Perfluorotetradecanoic acid (PFTeA)	ng/l	0.12	U	0.12	U	NC	0.12	U	0.12	U	NC	0.12	U	0.12	U	NC
E1633	Perfluorotridecanoic acid (PFTriA)	ng/l	0.07	U	0.07	U	NC	0.07	U	0.07	U	NC	0.07	U	0.07	U	NC
E1633	Perfluoroundecanoic acid (PFUnA)	ng/l	0.19	U	0.19	U	NC	0.18	U	0.18	U	NC	0.18	U	0.19	U	NC
SM2540D	Solids, nonfilterable	mg/l	2	U	2	U	NC	2	U	2	U	NC	2.0	U	2.0	U	NC

Acronyms and Notes:

ABS - absolute difference
FD - Field Duplicate
J+ - estimated value
mg/l - milligram per liter
N - Normal Sample
NC - not calculated
ng/l - nanogram per liter
Q - Qualifier
RPD - Relative Percent Difference
U - nondetect

ABS Criteria - One or both of the sample results are less than 5 times the reporting limit. The absolute value between the two results is within accepatable criteria.
Yellow highlighting - RPD value is outside of the 30% criteria and/or the ABS Criteria is outside of control limits.

CDM Smith

Section 6

Data Usability Assessment

One hundred percent of the data reported and validated in this QCSR are suitable for their intended use as stated in the QAPP (CDM Smith 2025). No sample results were rejected. Sample results that were qualified as estimated are usable for project decisions.

The achievement of the completeness goals for the number of samples collected and the number of sample results acceptable for use provides sufficient quality data to support project objectives.

Section 7
References

CDM Smith. 2025. *Final Quality Assurance Project Plan PFAS Site Inspection, 700 South 1600 East PCE Plume, Salt Lake City, Utah.* Prepared for the U.S. Army Corps of Engineers, Kansas City District. January 2025.

DOD. 2022. *Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24*. October 2022.

EPA. 2020. *National Functional Guidelines for Organic Superfund Methods Data Review*, EPA-540-R-20-005. November 2020.

Attachment 1

Data Validation Reports

VA Salt Lake City
Salt Lake City, Utah
Groundwater Validation Report

Sample Delivery Group (SDG) Number: O25C0550
Laboratory: The Sterling Lab

Matrix: Groundwater
Collection date: 3/11 - 3/12/2024
Analysis/Methods:

PFAS by Method 1633
Total Suspended Solids by SM2540D

Samples in SDG:

Sample Number	Laboratory ID	Sample Number	Laboratory ID
MW03RA-GW031225	O25C0550-01	FD01-GW031225	O25C0550-06
MW03RB-GW031225	O25C0550-02	MW29B-GW031125	O25C0550-07
MW03RC-GW031225	O25C0550-03	MW29C-GW031125	O25C0550-08
MW05R-GW031125	O25C0550-04	MW30RA-GW031125	O25C0550-09
MW29A-GW031125	O25C0550-05	MW30RB-GW031125	O25C0550-10

Data validation was performed in accordance with the specific analytical methods, Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24, (DOD 2022), and the Final Quality Assurance Project Plan, (CDM Smith 2024).

Total PFAS

Precision:	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤30% or within RL criteria?			Yes
Were the Matrix Spike Duplicate RPDs ≤ 30%? (Or lab defined limits)			Yes
Laboratory Control Spike Duplicates RPD within limits?			N/A
Are the laboratory duplicate RPDs ≤ 30% (or lab defined limits) or within RL criteria?			N/A

Comments (note deviations):

Field Duplicates	Sample	Duplicate	RPD	Qualifiers	Associated Samples
	MW03RB-GW031225	FD01-GW031225	Acceptable		

MS/MSD	RPD	Limit	Qualifiers	Associated Samples
B25C0783-MS1 / MSD1	Acceptable			

LCS/LCSD	RPD	Limits	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample	Duplicate	RPD	Qualifiers	Associated Samples
N/A					

Accuracy:	Yes	No	N/A
Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency ≥ 5% and laboratory determined control limits)			Yes
Was the Laboratory Control Sample/Ongoing Precision and Recovery criteria met?			Yes
Were the Laboratory Method Blank results all < RL?			No
Were the Field Blanks results all < RL?			No*
Was the ICAL criteria met?			Yes
Was the CCV criteria met?			Yes
Was the Tuning criteria met?			N/A
Were the Isotope Dilution/Surrogate % recoveries within laboratory determined control limits?			No
Were the Reverse Surrogate % recoveries 0 in the Post-Treatment fraction?			N/A
Were Total Oxidation Precursors provided for each sample?			N/A
Were the Internal Standard areas within ± 50 - 150%?			Yes

Comments (note deviations): *Field blank results are presented in SDG O25C0608

Blanks		Concentration	LOQ	5x Blank Result	Qualifiers	Associated Samples
B25C0783-BLK1	PFOA	0.47	1.6	2.35	J+	O25C0550-01, -02, -03, -04, -05, -07, -08
	PFOS	0.75	1.86	3.75	J+	O25C0550-01, -02, -03, -04, -05, -06, -07, -08, -09, -10

Field Blank		Concentration	LOQ	Qualifiers	Associated Samples
FB01-GW031225	PFOS	0.65	0.88	J+	O25C0550-01, -02, -03, -04, -05, -06, -07, -08, -09, -10
EB01-GW031225*	PFOS	0.71	0.89		

*PFOS was detected in the method blank and field blank. All samples were qualified based on those blanks.

Isotope Dilutions / Surrogates	Analyte	%R	Limit	Qualifiers	Associated Samples
	D5-NEtFOSAA	261	20 - 150	J-	O25C0550-01
	D5-NEtFOSAA	166	20 - 150	J-	O25C0550-05

Note: Associated sample results nondetect - no qualifiers required.

Reverse Surrogates	%R	Limit	Qualifiers	Associated Samples
N/A				

Total Oxidation Precursor	%R	Limit	Qualifiers	Associated Samples
N/A				

MS/MSD	%R	Limit	Qualifiers	Associated Samples
B25C0783-MS1 / MSD1	Acceptable			

LCS/LCSD/OPR	%R	Limit	Qualifiers	Associated Samples
B25C0783-BS1	Acceptable			
B25C0783-BS2	Acceptable			

ICAL	RRF/Coefficient	%RSD	Limit	Qualifiers	Associated Samples
	Acceptable				

ICV/CCV	%R	Limit	Qualifiers	Associated Samples
	Acceptable			

Tune	Analyte	Pass/Fail
NA		

Internal Standards	Area	Area Lower / Upper Limit	Qualifiers	Associated Samples
	Acceptable			

Total Suspended Solids

Precision:	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤20% (aqueous) or within RL criteria?			Yes
Are the laboratory duplicate RPDs ≤ 10% for water or within CRQL criteria?			No
Are the matrix spike duplicates RPD ≤ 20%?			N/A
Laboratory Control Spike Duplicates RPD within limits?			N/A

Comments (note deviations):

Field Duplicates	Analyte	Sample (mg/L) MW03RB-GW031225	Duplicate (mg/L) FD01-GW031225	RPD	Qualifiers	Associated Samples
				Acceptable		

MS/MSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

LCS/LCSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample (mg/L)	Duplicate (mg/L)	RPD	Qualifiers	Associated Samples
B25C0901-DUP1	1660	2340	34	None	Samples not project specific
B25C0901-DUP2			Acceptable		

Accuracy:	Yes	No	N/A
Were serial dilutions analyzed and within control limits of ±20% for waters (± for 25% for soils) or initial sample result less than 50x MDL?			N/A
Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?			N/A
Was post digestion spike criteria met (if applicable)?			N/A
Was laboratory control sample criteria met?	Yes		
Was laboratory blank criteria met (within control limits)?	Yes		
Were ICV/CCV % recoveries within 90-110%?			N/A
Were the Detection Limit PQL Standards within 70-130?			N/A
Was the %D on form 16-IN for the initial calibration instrument response and concentration data <30%?			N/A
Were ICSA/ICSAB % recoveries acceptable or within CRQL criteria?			N/A
Was the tune %RPD <5% (Peak width < 0.75)?			N/A

Comments (note deviations):

Serial Dilution	Analyte	Initial Sample Result	%D	50 x MDL	Qualifiers	Associated Samples
N/A						

MS/MSD	Analyte	%R	Limits	Post Spike	Qualifiers	Associated Samples
N/A						

LCS/LCSD/SRM- All methods

	Analyte	%R	Limits	Qualifiers	Associated Samples
B25C0901-BS1		Acceptable			

MRL Check	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

ICV/CCV	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

Blanks (Prep / IBL) - All methods

	Analyte	Result	MDL/CRQL (mg/L)	Qualifiers	Associated Samples
B25C0901-BLK1		Nondetect			

Note: ICBs are associated with all samples. Individual CCBs are associated with specific samples.

Samples:

ICB	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

CCBs	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

Field Blank	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

Interference Check	Analyte	%R	Qualifiers	Associated Samples
N/A				

Tune
N/A

Internal Standards
N/A

Representativeness:	Yes	No	N/A
Were sampling procedures and design criteria met?	Yes		
Were holding times met?	Yes		
Was preservation criteria met? (0° C - 6° C)	Yes		
Were Chain-of-Custody records complete and provided in data package?	Yes		

Comments (note deviations): Cooler temperatures were 3.3 and 3.8 °C.

Preservation	Cooler Temperature (Degrees C)	Preservation Criteria	Qualifier	Associated Samples
	Acceptable			

Holding Times	Analyte	Days to Analysis	HT Criteria	Qualifier	Associated Samples
		Acceptable			

Comparability:	Yes	No	N/A
Were analytical procedures and methods followed as defined in the QAPP or field change documentation?	Yes		

Comments (note deviations):

Completeness (90%):	Yes	No	N/A
Are all data in this SDG usable?	Yes		

Comments (note deviations):

Sensitivity:	Yes	No	N/A
Are MDLs present and reported?	Yes		
Do the reporting limits meet project requirements?	Yes		

Comments (note deviations):

Comment:
Data is usable with appropriate qualifiers applied.

Data Validator: Derek Savage Date: 5/2/2025

Data Reviewer: Cherie Zakowski Date: 5/3/2025

VA Salt Lake City
Salt Lake City, Utah
Groundwater Validation Report

Sample Delivery Group (SDG) Number: O25C0608
Laboratory: The Sterling Lab

Matrix: Groundwater / Water
Collection date: 3/12 - 3/13/2024
Analysis/Methods:

PFAS by Method 1633
Total Suspended Solids by SM2540D

Samples in SDG:

Sample Number	Laboratory ID	Sample Number	Laboratory ID
MW03RD-GW031225	O25C0608-01	MW30C-GW031225	O25C0608-04
MW24-GW031325	O25C0608-02	FB01-GW031225	O25C0608-05
FD02-GW031325	O25C0608-03	EB01-GW031225	O25C0608-06

Data validation was performed in accordance with the specific analytical methods, Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24, (DOD 2022), and the Final Quality Assurance Project Plan, (CDM Smith 2024).

Total PFAS

Precision:	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤30% or within RL criteria?			Yes
Were the Matrix Spike Duplicate RPDs ≤ 30%? (Or lab defined limits)			N/A
Laboratory Control Spike Duplicates RPD within limits?			N/A
Are the laboratory duplicate RPDs ≤ 30% (or lab defined limits) or within RL criteria?			N/A

Comments (note deviations):

Field Duplicates	Sample	Duplicate	RPD	Qualifiers	Associated Samples
	MW24-GW031325	FD02-GW031325	Acceptable		

MS/MSD	RPD	Limit	Qualifiers	Associated Samples
N/A				

LCS/LCSD	RPD	Limits	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample	Duplicate	RPD	Qualifiers	Associated Samples
N/A					

Accuracy:	Yes	No	N/A
Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency ≥ 5% and laboratory determined control limits)			N/A
Was the Laboratory Control Sample/Ongoing Precision and Recovery criteria met?			Yes
Were the Laboratory Method Blank results all < RL?			No
Were the Field Blanks results all < RL?			No
Was the ICAL criteria met?			Yes
Was the CCV criteria met?			Yes
Was the Tuning criteria met?			N/A
Were the Isotope Dilution/Surrogate % recoveries within laboratory determined control limits?			No
Were the Reverse Surrogate % recoveries 0 in the Post-Treatment fraction?			N/A
Were Total Oxidation Precursors provided for each sample?			N/A
Were the Internal Standard areas within ± 50 - 150%?			Yes

Comments (note deviations):

Blanks		Concentration	LOQ	5x Blank Result	Qualifiers	Associated Samples
B25C1367-BLK1	PFOA	0.44	1.6	2.2	J+	O25C0608-01, -02, -03
	PFOS	0.66	1.86	3.3	J+	O25C0608-01, -02, -03, -04, -05, -06

Field Blank		Concentration	LOQ	Qualifiers	Associated Samples
FB01-GW031225	PFOS	0.65	0.88	J+	O25C0608-01, -02, -03, -04, -05, -06
EB01-GW031225*	PFOS	0.71	0.89		

*PFOS was detected in the method blank and field blank. All samples were qualified based on those blanks.

Isotope Dilutions / Surrogates	Analyte	%R	Limit	Qualifiers	Associated Samples
	D5-NEtFOSAA	210	20 - 150	J-	O25C0608-01
	13C2-4:2FTS	172	20 - 150	J-	O25C0608-04

Note: Associated sample results nondetect - no qualifiers required.

Reverse Surrogates	%R	Limit	Qualifiers	Associated Samples
N/A				

Total Oxidation Precursor	%R	Limit	Qualifiers	Associated Samples
N/A				

MS/MSD	%R	Limit	Qualifiers	Associated Samples
N/A				

LCS/LCSD/OPR	%R	Limit	Qualifiers	Associated Samples
B25C1367-BS1	Acceptable			
B25C1367-BS2	Acceptable			

ICAL	RRF/Coefficient	%RSD	Limit	Qualifiers	Associated Samples
	Acceptable				

ICV/CCV	%R	Limit	Qualifiers	Associated Samples
	Acceptable			

Tune	Analyte	Pass/Fail
NA		

Internal Standards	Area	Area Lower / Upper Limit	Qualifiers	Associated Samples
	Acceptable			

Total Suspended Solids

Precision:	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤20% (aqueous) or within RL criteria?	Yes		
Are the laboratory duplicate RPDs ≤ 10% for water or within CRQL criteria?		No	
Are the matrix spike duplicates RPD ≤ 20%?			N/A
Laboratory Control Spike Duplicates RPD within limits?			N/A

Comments (note deviations):

Field Duplicates	Analyte	Sample (mg/L) MW24-GW031325	Duplicate (mg/L) FD02-GW031325	RPD	Qualifiers	Associated Samples
				Acceptable		

MS/MSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

LCS/LCSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample (mg/L)	Duplicate (mg/L)	RPD	Qualifiers	Associated Samples
B25C0901-DUP1	1660	2340	34	None	Samples not project specific
B25C0901-DUP2			Acceptable		

Accuracy:	Yes	No	N/A
Were serial dilutions analyzed and within control limits of ±20% for waters (± for 25% for soils) or initial sample result less than 50x MDL?			N/A
Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?			N/A
Was post digestion spike criteria met (if applicable)?			N/A
Was laboratory control sample criteria met?	Yes		
Was laboratory blank criteria met (within control limits)?	Yes		
Were ICV/CCV % recoveries within 90-110%?			N/A
Were the Detection Limit PQL Standards within 70-130?			N/A
Was the %D on form 16-IN for the initial calibration instrument response and concentration data <30%?			N/A
Were ICSA/ICSAB % recoveries acceptable or within CRQL criteria?			N/A
Was the tune %RPD <5% (Peak width < 0.75)?			N/A

Comments (note deviations):

Serial Dilution	Analyte	Initial Sample Result	%D	50 x MDL	Qualifiers	Associated Samples
N/A						

MS/MSD	Analyte	%R	Limits	Post Spike	Qualifiers	Associated Samples
N/A						

LCS/LCSD/SRM- All methods

	Analyte	%R	Limits	Qualifiers	Associated Samples
B25C0901-BS1		Acceptable			

MRL Check	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

ICV/CCV	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

Blanks (Prep / IBL) - All methods

	Analyte	Result	MDL/CRQL (mg/L)	Qualifiers	Associated Samples
B25C0901-BLK1		Nondetect			

Note: ICBs are associated with all samples. Individual CCBs are associated with specific samples.

Samples:

ICB	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

CCBs	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

Field Blank	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

Interference Check	Analyte	%R	Qualifiers	Associated Samples
N/A				

Tune
N/A

Internal Standards
N/A

Representativeness:	Yes	No	N/A
Were sampling procedures and design criteria met?	**Yes**		
Were holding times met?	**Yes**		
Was preservation criteria met? (0° C - 6° C)	**Yes**		
Were Chain-of-Custody records complete and provided in data package?	**Yes**		

Comments (note deviations): Cooler temperature was 3.4 °C.

Preservation	**Cooler Temperature (Degrees C)**	**Preservation Criteria**	**Qualifier**	**Associated Samples**
	Acceptable			

Holding Times	**Analyte**	**Days to Analysis**	**HT Criteria**	**Qualifier**	**Associated Samples**
		Acceptable			

Comparability:	Yes	No	N/A
Were analytical procedures and methods followed as defined in the QAPP or field change documentation?	**Yes**		

Comments (note deviations):

Completeness (90%):	Yes	No	N/A
Are all data in this SDG usable?	**Yes**		

Comments (note deviations):

Sensitivity:	Yes	No	N/A
Are MDLs present and reported?	**Yes**		
Do the reporting limits meet project requirements?	**Yes**		

Comments (note deviations):

Comment:
Data is usable with appropriate qualifiers applied.

Data Validator: *Derek Savage* Date: 5/2/2025

Data Reviewer: Cherie Zakowski Date: 5/3/2025

VA Salt Lake City
Salt Lake City, Utah
Groundwater Validation Report

Sample Delivery Group (SDG) Number: O25F0365
Laboratory: The Sterling Lab

Matrix: Groundwater / Water
Collection date: 06/05/25
Analysis/Methods:

PFAS by Method 1633
Total Suspended Solids by SM2540D 2011

Samples in SDG:

Sample Number	Laboratory ID
FB01-GW060525	O25F0365-01
FD02-GW060525	O25F0365-02
MW39D-GW060525	O25F0365-03
MW39S-GW060525	O25F0365-04

Data validation was performed in accordance with the specific analytical methods, Data Validation Guidelines Module 6: Data Validation Procedure for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24, (DOD 2022), and the Final Quality Assurance Project Plan.

Total PFAS

Precision:

	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤30% or within RL criteria?			**Yes**
Were the Matrix Spike Duplicate RPDs ≤ 30%? (Or lab defined limits)			**N/A**
Laboratory Control Spike Duplicates RPD within limits?			**N/A**
Are the laboratory duplicate RPDs ≤ 30% (or lab defined limits) or within RL criteria?			**N/A**

Comments (note deviations):

Field Duplicates	Sample	Duplicate	RPD	Qualifiers	Associated Samples
	MW39D-GW06025	FD02-GW060525	Acceptable		

MS/MSD	RPD	Limit	Qualifiers	Associated Samples
N/A				

LCS/LCSD	RPD	Limits	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample	Duplicate	RPD	Qualifiers	Associated Samples
N/A					

Accuracy:

	Yes	No	N/A
Was the Matrix Spike/Matrix Spike Duplicate criteria met? (frequency ≥ 5% and laboratory determined control limits)			**N/A**
Was the Laboratory Control Sample/Ongoing Precision and Recovery criteria met?			**Yes**
Were the Laboratory Method Blank results all < RL?			**No**
Were the Field Blanks results all < RL?			**No**
Was the ICAL criteria met?			**Yes**
Was the CCV criteria met?			**Yes**
Was the Tuning criteria met?			**N/A**
Were the Isotope Dilution/Surrogate % recoveries within laboratory determined control limits?			**Yes**
Were the Reverse Surrogate % recoveries 0 in the Post-Treatment fraction?			**N/A**
Were Total Oxidation Precursors provided for each sample?			**N/A**
Were the Internal Standard areas within ± 50 - 150%?			**Yes**

Comments (note deviations):

Blanks		Concentration	LOQ	5x Blank Result	Qualifiers	Associated Samples
B25F0614-BLK1	PFOA	0.24	1.6	1.2	**J+**	**O25F0365-02, -03, -04**

Field Blank		Concentration	LOQ		Qualifiers	Associated Samples
FB01-GW060525	PFOA	0.22	1.58		J+	O25F0365-02, -03, -04
	NEtFOSA	0.35	1.58		None	SR nondetect
	NMeFOSE	3.5	15.8		None	SR nondetect
	NEtFOSE	4.19	15.8		None	SR nondetect

Isotope Dilutions / Surrogates	Analyte	%R	Limit		Qualifiers	Associated Samples
		Acceptable				

Reverse Surrogates	%R	Limit		Qualifiers	Associated Samples
N/A					

Total Oxidation Precursor	%R	Limit		Qualifiers	Associated Samples
N/A					

MS/MSD	%R	Limit		Qualifiers	Associated Samples
N/A					

LCS/LCSD/OPR	%R	Limit		Qualifiers	Associated Samples
B25F0614-BS1	Acceptable				
B25F0614-BS2	Acceptable				

ICAL	RRF/Coefficient	%RSD	Limit	Qualifiers	Associated Samples
	Acceptable				

ICV/CCV	%R	Limit		Qualifiers	Associated Samples
	Acceptable				

Tune	Analyte	Pass/Fail
NA		

Internal Standards	Area	Area Lower / Upper Limit		Qualifiers	Associated Samples
	Acceptable				

Total Suspended Solids

Precision:	Yes	No	N/A
Are the field duplicate relative percent differences (RPD) ≤20% (aqueous) or within RL criteria?	Yes		
Are the laboratory duplicate RPDs ≤ 10% for water or within CRQL criteria?		No	
Are the matrix spike duplicates RPD ≤ 20%?			N/A
Laboratory Control Spike Duplicates RPD within limits?			N/A

Comments (note deviations):

Field Duplicates	Analyte	Sample (mg/L) MW39D-GW06025	Duplicate (mg/L) FD02-GW060525	RPD	Qualifiers	Associated Samples
				Acceptable		

MS/MSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

LCS/LCSD	Analyte	RPD	Qualifiers	Associated Samples
N/A				

Laboratory Duplicate	Sample (mg/L)	Duplicate (mg/L)	RPD	Qualifiers	Associated Samples
B25F0498-DUP1	5	6	18	None	Parent from non project sample
B25F0498-DUP2			Acceptable		

Accuracy:

	Yes	No	N/A
Were serial dilutions analyzed and within control limits of ±20% for waters (± for 25% for soils) or initial sample result less than 50x MDL?			**N/A**
Was matrix spike criteria met (frequency 20% and % recovery 75-125%)?			**N/A**
Was post digestion spike criteria met (if applicable)?			**N/A**
Was laboratory control sample criteria met?	**Yes**		
Was laboratory blank criteria met (within control limits)?	**Yes**		
Were ICV/CCV % recoveries within 90-110%?			**N/A**
Were the Detection Limit PQL Standards within 70-130?			**N/A**
Was the %D on form 16-IN for the initial calibration instrument response and concentration data <30%?			**N/A**
Were ICSA/ICSAB % recoveries acceptable or within CRQL criteria?			**N/A**
Was the tune %RPD <5% (Peak width < 0.75)?			**N/A**

Comments (note deviations):

Serial Dilution	Analyte	Initial Sample Result	%D	50 x MDL	Qualifiers	Associated Samples
N/A						

MS/MSD	Analyte	%R	Limits	Post Spike	Qualifiers	Associated Samples
N/A						

LCS/LCSD/SRM- All methods

	Analyte	%R	Limits	Qualifiers	Associated Samples
B25F0498-BS1		Acceptable			

MRL Check	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

ICV/CCV	Analyte	%R	Limits	Qualifiers	Associated Samples
N/A					

Blanks (Prep / IBL) - All methods

	Analyte	Result	MDL/CRQL (mg/L)	Qualifiers	Associated Samples
B25F0498-BLK1		Nondetect			

Note: ICBs are associated with all samples. Individual CCBs are associated with specific samples.

Samples:

ICB	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

CCBs	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
N/A					

Field Blank	Analyte	Result (mg/L)	MDL/CRQL	Qualifiers	Associated Samples
FB01-GW060525	TSS	5	2 / 4	**J+**	**O25F0365-04**
				U-RDL	**O25F0365-03**

Interference Check	Analyte	%R	Qualifiers	Associated Samples
N/A				

Tune

N/A

Internal Standards
N/A

Representativeness:	Yes	No	N/A
Were sampling procedures and design criteria met?	**Yes**		
Were holding times met?	**Yes**		
Was preservation criteria met? (0° C - 6° C)	**Yes**		
Were Chain-of-Custody records complete and provided in data package?	**Yes**		

Comments (note deviations): Cooler temperature was 3.1 °C.

Preservation	**Cooler Temperature (Degrees C)**	**Preservation Criteria**	**Qualifier**	**Associated Samples**
	Acceptable			

Holding Times	**Analyte**	**Days to Analysis**	**HT Criteria**	**Qualifier**	**Associated Samples**
		Acceptable			

Comparability:	Yes	No	N/A
Were analytical procedures and methods followed as defined in the QAPP or field change documentation?	**Yes**		

Comments (note deviations):

Completeness (90%):	Yes	No	N/A
Are all data in this SDG usable?	**Yes**		

Comments (note deviations):

Sensitivity:	Yes	No	N/A
Are MDLs present and reported?	**Yes**		
Do the reporting limits meet project requirements?	**Yes**		

Comments (note deviations):

Comment:
Data is usable with appropriate qualifiers applied.

Data Validator: *Derek Savage* Date: 7/24/2025

Data Reviewer: Cherie Zakowski Date: 7/30/2025

Attachment 2

Data Package Completeness Review Checklists

VA SLC OU-1

Data Package Completeness Review Checklist

SDG: O25C00550

Required Documentation	Yes	No	Comments
1. Cover letter complete with the following information:	X		
▪ Title of report and laboratory unique report identification (sample delivery group number)	X		
▪ Project name, site location	X		
▪ Name and location of laboratory and second-site or subcontracted laboratory	X		
▪ Client name and address	X		
▪ Statement of authenticity and official signature and title of person authorizing report release	X		
2. Summary of samples received that correlates field sample IDs with the laboratory IDs	X		
3. Laboratory qualifier flags and definitions	X		
4. Preparation and/or analytical methods	X		
5. Sample results for each analyte (dry weight basis for soils)			
▪ Date received	X		
▪ Date analyzed (and time of analysis if the holding time is less than or equal to 48 hours)	X		
▪ Percent solids results for soil samples			Not Applicable
▪ Dilution factor (provide both diluted and undiluted results when available)	X		
▪ Sample-specific reporting limit adjusted for sample size, dilution/concentration	X		
▪ Sample-specific MDL adjusted for sample size, dilution/concentration	X		
▪ Units	X		
6. Case Narrative that addresses the following information at a minimum:	X		
▪ Sample receipt discrepancies	X		
▪ Descriptions of all nonconformances in the sample receipt, handling, preparation, analytical and reporting processes and the corrective action taken in each occurrence	X		
▪ Identification and justification for sample dilution	X		
▪ Sample cooler temperature at time of receipt	X		3.4°C
▪ Final residual vacuum of each sample canister immediately prior to analysis, or upon receipt (Air analyses only)			Not Applicable
7. Surrogate percent recoveries (surrogate result, target concentration, percent recovery)	X		

Required Documentation	Yes	No	Comments
8. MS/MSD and LCS spike concentrations, native sample results, spiked sample results, percent recoveries, and RPDs between the MS and MSD results (associated QC limits must also be provided)	X		
9. Method blank results	X		
10. Analytical batch reference number that cross references samples to QC sample analyses	X		
11. Executed COC and sample receipt checklist	X		
12. Analytical sequence or laboratory run log that contains sufficient information to correlate samples reported in the summary results to the associated method QC information, such as initial and continuing calibration analyses	X		
13. Calibration blank results for inorganic analyses (required in hardcopy format only)			Not Applicable.
14. Inductively coupled plasma (ICP) interference check sample for inorganic analyses, true and measured concentrations and percent recoveries (required in hardcopy format only)			Not Applicable.
15. Reporting Limit Check Standard for metals analyses, true and measured concentrations and percent recoveries (if applicable, required in hardcopy format only)			Not Applicable.
16. Post-digestion spike recoveries for metals analyses, (if applicable; required in hardcopy format only)			Not Applicable.
17. Internal Standard recovery and retention time information, as applicable	X		
18. Initial calibration summary, including standard concentrations, response factors, average response factors, RSDs or correlation coefficients, and calibration plots or equations, if applicable (required in hardcopy format only)	X		
19. Continuing calibration verification summary, including expected and recovered concentrations and percent differences (required in hardcopy format only)	X		
20. Instrument tuning and mass calibration information for ICP /mass spectrometry analyses			Not Applicable.
21. All associated instrument printouts for all samples, standards, and QC samples (e.g., raw data) necessary to re-calculate results as well as all manual integrations (if performed)	X		
22. Sample preparation logs that include the following information	X		
▪ Preparation start and end times (as applicable)	X		
▪ Beginning and ending temperatures of water baths and digestion blocks			Not Applicable.

Data package complete and ready for Validation

Derek Savage

Signature

Date: 5/1/2025

VA SLC OU-1

Data Package Completeness Review Checklist

SDG: O25C0608

Required Documentation	Yes	No	Comments
1. Cover letter complete with the following information:	X		
▪ Title of report and laboratory unique report identification (sample delivery group number)	X		
▪ Project name, site location	X		
▪ Name and location of laboratory and second-site or subcontracted laboratory	X		
▪ Client name and address	X		
▪ Statement of authenticity and official signature and title of person authorizing report release	X		
2. Summary of samples received that correlates field sample IDs with the laboratory IDs	X		
3. Laboratory qualifier flags and definitions	X		
4. Preparation and/or analytical methods	X		
5. Sample results for each analyte (dry weight basis for soils)			
▪ Date received	X		
▪ Date analyzed (and time of analysis if the holding time is less than or equal to 48 hours)	X		
▪ Percent solids results for soil samples			Not Applicable
▪ Dilution factor (provide both diluted and undiluted results when available)	X		
▪ Sample-specific reporting limit adjusted for sample size, dilution/concentration	X		
▪ Sample-specific MDL adjusted for sample size, dilution/concentration	X		
▪ Units	X		
6. Case Narrative that addresses the following information at a minimum:	X		
▪ Sample receipt discrepancies	X		
▪ Descriptions of all nonconformances in the sample receipt, handling, preparation, analytical and reporting processes and the corrective action taken in each occurrence	X		
▪ Identification and justification for sample dilution	X		
▪ Sample cooler temperature at time of receipt	X		3.4°C
▪ Final residual vacuum of each sample canister immediately prior to analysis, or upon receipt (Air analyses only)			Not Applicable
7. Surrogate percent recoveries (surrogate result, target concentration, percent recovery)	X		

Required Documentation	Yes	No	Comments
8. MS/MSD and LCS spike concentrations, native sample results, spiked sample results, percent recoveries, and RPDs between the MS and MSD results (associated QC limits must also be provided)	X		
9. Method blank results	X		
10. Analytical batch reference number that cross references samples to QC sample analyses	X		
11. Executed COC and sample receipt checklist	X		
12. Analytical sequence or laboratory run log that contains sufficient information to correlate samples reported in the summary results to the associated method QC information, such as initial and continuing calibration analyses	X		
13. Calibration blank results for inorganic analyses (required in hardcopy format only)			Not Applicable.
14. Inductively coupled plasma (ICP) interference check sample for inorganic analyses, true and measured concentrations and percent recoveries (required in hardcopy format only)			Not Applicable.
15. Reporting Limit Check Standard for metals analyses, true and measured concentrations and percent recoveries (if applicable, required in hardcopy format only)			Not Applicable.
16. Post-digestion spike recoveries for metals analyses, (if applicable; required in hardcopy format only)			Not Applicable.
17. Internal Standard recovery and retention time information, as applicable	X		
18. Initial calibration summary, including standard concentrations, response factors, average response factors, RSDs or correlation coefficients, and calibration plots or equations, if applicable (required in hardcopy format only)	X		
19. Continuing calibration verification summary, including expected and recovered concentrations and percent differences (required in hardcopy format only)	X		
20. Instrument tuning and mass calibration information for ICP /mass spectrometry analyses			Not Applicable.
21. All associated instrument printouts for all samples, standards, and QC samples (e.g., raw data) necessary to re-calculate results as well as all manual integrations (if performed)	X		
22. Sample preparation logs that include the following information	X		
▪ Preparation start and end times (as applicable)	X		
▪ Beginning and ending temperatures of water baths and digestion blocks			Not Applicable.

Data package complete and ready for Validation

Derek Savage

Signature

Date: 5/1/2025

VA SLC OU-1

Data Package Completeness Review Checklist

SDG: O25F0365

Required Documentation	Yes	No	Comments
1. Cover letter complete with the following information:	X		
▪ Title of report and laboratory unique report identification (sample delivery group number)	X		
▪ Project name, site location	X		
▪ Name and location of laboratory and second-site or subcontracted laboratory	X		
▪ Client name and address	X		
▪ Statement of authenticity and official signature and title of person authorizing report release	X		
2. Summary of samples received that correlates field sample IDs with the laboratory IDs	X		
3. Laboratory qualifier flags and definitions	X		
4. Preparation and/or analytical methods	X		
5. Sample results for each analyte (dry weight basis for soils)			
▪ Date received	X		
▪ Date analyzed (and time of analysis if the holding time is less than or equal to 48 hours)	X		
▪ Percent solids results for soil samples			Not Applicable
▪ Dilution factor (provide both diluted and undiluted results when available)	X		
▪ Sample-specific reporting limit adjusted for sample size, dilution/concentration	X		
▪ Sample-specific MDL adjusted for sample size, dilution/concentration	X		
▪ Units	X		
6. Case Narrative that addresses the following information at a minimum:	X		
▪ Sample receipt discrepancies	X		
▪ Descriptions of all nonconformances in the sample receipt, handling, preparation, analytical and reporting processes and the corrective action taken in each occurrence	X		
▪ Identification and justification for sample dilution	X		
▪ Sample cooler temperature at time of receipt	X		3.1°C
▪ Final residual vacuum of each sample canister immediately prior to analysis, or upon receipt (Air analyses only)			Not Applicable
7. Surrogate percent recoveries (surrogate result, target concentration, percent recovery)	X		

Required Documentation	Yes	No	Comments
8. MS/MSD and LCS spike concentrations, native sample results, spiked sample results, percent recoveries, and RPDs between the MS and MSD results (associated QC limits must also be provided)	X		
9. Method blank results	X		
10. Analytical batch reference number that cross references samples to QC sample analyses	X		
11. Executed COC and sample receipt checklist	X		
12. Analytical sequence or laboratory run log that contains sufficient information to correlate samples reported in the summary results to the associated method QC information, such as initial and continuing calibration analyses	X		
13. Calibration blank results for inorganic analyses (required in hardcopy format only)			Not Applicable.
14. Inductively coupled plasma (ICP) interference check sample for inorganic analyses, true and measured concentrations and percent recoveries (required in hardcopy format only)			Not Applicable.
15. Reporting Limit Check Standard for metals analyses, true and measured concentrations and percent recoveries (if applicable, required in hardcopy format only)			Not Applicable.
16. Post-digestion spike recoveries for metals analyses, (if applicable; required in hardcopy format only)			Not Applicable.
17. Internal Standard recovery and retention time information, as applicable	X		
18. Initial calibration summary, including standard concentrations, response factors, average response factors, RSDs or correlation coefficients, and calibration plots or equations, if applicable (required in hardcopy format only)	X		
19. Continuing calibration verification summary, including expected and recovered concentrations and percent differences (required in hardcopy format only)	X		
20. Instrument tuning and mass calibration information for ICP /mass spectrometry analyses			Not Applicable.
21. All associated instrument printouts for all samples, standards, and QC samples (e.g., raw data) necessary to re-calculate results as well as all manual integrations (if performed)	X		
22. Sample preparation logs that include the following information	X		
▪ Preparation start and end times (as applicable)	X		
▪ Beginning and ending temperatures of water baths and digestion blocks			Not Applicable.

Data package complete and ready for Validation

Derek Savage

Signature

Date: 7/23/2025

Attachment 3

Analytical Data Packages

sterling labs - O'Hare Location

509 N. 3rd Avenue Des Plaines, IL 60016-1162 P 847.967.6666 800.246.0663 F 847.967.6735 www.thesterlinglab.com

Table of Contents

Analytical Report

Cherie Zakowski
CDM Federal Programs Corporation
10560 Arrowhead Drive, Suite 500
Fairfax, VA 22030

March 31, 2025

Work Order: O25C0550

RE: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Dear Cherie Zakowski:

Enclosed are the analytical reports for the Sterling Labs Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Olga Karplyuk
Project Manager
okarplyuk@TheSterlingLab.com
Approved: 3/31/2025 4:40:05PM

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable..

Department of Defense, Accredited by PJLA, Cert No. 75537

PJLA Testing DoD ELAP Accreditation No. 75537

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509 N. 3rd Avenue Des Plaines, IL 60016-1162 P 847.967.6666 800.246.0663 F 847.967.6735 www.thesterlinglab.com

Sample Summary

Sample ID	Laboratory	Laboratory ID	Matrix	Date Sampled	Date Received
MW03RA-GW031225	Sterling Labs	O25C0550-01	Groundwater	03/12/25 14:10	03/13/25 10:11
MW03RB-GW031225	Sterling Labs	O25C0550-02	Groundwater	03/12/25 11:15	03/13/25 10:11
MW03RC-GW031225	Sterling Labs	O25C0550-03	Groundwater	03/12/25 13:54	03/13/25 10:11
MW05R-GW031125	Sterling Labs	O25C0550-04	Groundwater	03/11/25 11:34	03/13/25 10:11
MW29A-GW031125	Sterling Labs	O25C0550-05	Groundwater	03/11/25 17:14	03/13/25 10:11
FD01-GW031225	Sterling Labs	O25C0550-06	Groundwater	03/12/25 10:00	03/13/25 10:11
MW29B-GW031125	Sterling Labs	O25C0550-07	Groundwater	03/11/25 14:51	03/13/25 10:11
MW29C-GW031125	Sterling Labs	O25C0550-08	Groundwater	03/11/25 17:45	03/13/25 10:11
MW30RA-GW031125	Sterling Labs	O25C0550-09	Groundwater	03/11/25 15:42	03/13/25 10:11
MW30RB-GW031125	Sterling Labs	O25C0550-10	Groundwater	03/11/25 17:05	03/13/25 10:11

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Case Narrative

Work Order: O25C0550
The samples were received on 3/13/2025 10:11:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
1	3.3
2025-138	3.8

The samples were received in good condition and were properly preserved.

Organics LC-MS-MS

1633_PFAS
Sequence CCV1 is only a place holder for the averaged NIS responses from the calibration to correct data in LIMS to have the proper internal reference (duplicate of CCV2). Current LIMS configuration only targets one selected calibration standard or opening CCV, so this is needed to have correct recoveries in LIMS based on averaged responses. The instrument reports are correct and recoveries are based on averages of calibration. Opening CCV PDF associated to the "CCV1".

ISTD summary form for ICV reference responses listed are based on the LIMS target of the mid-point calibration standard. Responses for the analytical sequences corrected for averaged response factors and are in second summary report (CCV1 place holder correction). ICV responses are verified to be within acceptance limits for the method. The ISTD form results for the IFA and IFB are not applicable- qualitative checks only (if included and show qualifiers).

025c0550-01 and 05 had the extracted isotope of D5-NEtFOSAA recover above the acceptance limit and the affected target compound NEtFOSAA is qualified with a “Q”. All non- extracted isotopes for the sample recoveries are acceptable. As all other batch and sequence QC is acceptable, this is most likely due to the spiked sample matrix.

sterling labs - O'Hare Location
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Client Sample Results

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RA-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 14:10
Matrix: Groundwater
Lab ID: O25C0550-01

Sterling Labs

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**5.23**	6.50	J	ng/L	0.49	3.25	03/18/25 22:21	B25C0783	CP1	1
PFPeA	**4.13**	3.25		ng/L	0.14	1.63	03/18/25 22:21	B25C0783	CP1	1
PFHxA	**2.92**	1.63		ng/L	0.13	0.81	03/18/25 22:21	B25C0783	CP1	1
PFHpA	**1.37**	1.63	J	ng/L	0.16	0.81	03/18/25 22:21	B25C0783	CP1	1
PFOA	**1.60**	1.63	J	ng/L	0.12	0.81	03/18/25 22:21	B25C0783	CP1	1
PFNA	< 0.81	1.63	U	ng/L	0.09	0.81	03/18/25 22:21	B25C0783	CP1	1
PFDA	< 0.81	1.63	U	ng/L	0.13	0.81	03/18/25 22:21	B25C0783	CP1	1
PFUnA	< 0.81	1.63	U	ng/L	0.19	0.81	03/18/25 22:21	B25C0783	CP1	1
PFDoA	< 0.81	1.63	U	ng/L	0.11	0.81	03/18/25 22:21	B25C0783	CP1	1
PFTrDA	< 0.81	1.63	U	ng/L	0.07	0.81	03/18/25 22:21	B25C0783	CP1	1
PFTeDA	< 0.81	1.63	U	ng/L	0.12	0.81	03/18/25 22:21	B25C0783	CP1	1
PFBS	**6.56**	1.44		ng/L	0.19	0.72	03/18/25 22:21	B25C0783	CP1	1
PFPeS	**0.43**	1.53	J	ng/L	0.21	0.77	03/18/25 22:21	B25C0783	CP1	1
PFHxS	**2.27**	1.48		ng/L	0.23	0.74	03/18/25 22:21	B25C0783	CP1	1
PFHpS	< 0.77	1.54	U	ng/L	0.42	0.77	03/18/25 22:21	B25C0783	CP1	1
PFOS	**0.90**	1.89	J	ng/L	0.22	0.95	03/18/25 22:21	B25C0783	CP1	1
PFNS	< 0.78	1.57	U	ng/L	0.20	0.78	03/18/25 22:21	B25C0783	CP1	1
PFDS	< 0.78	1.57	U	ng/L	0.14	0.78	03/18/25 22:21	B25C0783	CP1	1
PFDoS	< 0.79	1.58	U	ng/L	0.08	0.79	03/18/25 22:21	B25C0783	CP1	1
4:2FTS	< 3.05	6.10	U	ng/L	0.42	3.05	03/18/25 22:21	B25C0783	CP1	1
6:2FTS	< 3.09	6.18	U	ng/L	2.82	3.09	03/18/25 22:21	B25C0783	CP1	1
8:2FTS	< 3.12	6.24	U	ng/L	0.62	3.12	03/18/25 22:21	B25C0783	CP1	1
PFOSA	< 0.81	1.63	U	ng/L	0.10	0.81	03/18/25 22:21	B25C0783	CP1	1
NMeFOSA	< 0.81	1.63	U	ng/L	0.26	0.81	03/18/25 22:21	B25C0783	CP1	1
NEtFOSA	< 0.81	1.63	U	ng/L	0.32	0.81	03/18/25 22:21	B25C0783	CP1	1
NMeFOSAA	< 0.81	1.63	U	ng/L	0.45	0.81	03/18/25 22:21	B25C0783	CP1	1
NEtFOSAA	< 0.81	1.63	U, Q	ng/L	0.29	0.81	03/18/25 22:21	B25C0783	CP1	1
NMeFOSE	< 8.13	16.3	U	ng/L	1.03	8.13	03/18/25 22:21	B25C0783	CP1	1
NEtFOSE	< 8.13	16.3	U	ng/L	1.28	8.13	03/18/25 22:21	B25C0783	CP1	1
HFPO-DA	< 1.63	3.25	U	ng/L	0.42	1.63	03/18/25 22:21	B25C0783	CP1	1
ADONA	< 1.53	3.07	U	ng/L	0.15	1.53	03/18/25 22:21	B25C0783	CP1	1
9CL-PF3ONS	< 1.52	3.04	U	ng/L	0.18	1.52	03/18/25 22:21	B25C0783	CP1	1
11CL-PF3OUdS	< 1.53	3.07	U	ng/L	0.32	1.53	03/18/25 22:21	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RA-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 14:10
Matrix: Groundwater
Lab ID: O25C0550-01 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.25	6.50	U	ng/L	0.67	3.25	03/18/25 22:21	B25C0783	CP1	1
5:3FTCA	< 16.3	32.5	U	ng/L	3.72	16.3	03/18/25 22:21	B25C0783	CP1	1
7:3FTCA	< 16.3	32.5	U	ng/L	3.11	16.3	03/18/25 22:21	B25C0783	CP1	1
PFEESA	< 1.45	2.90	U	ng/L	0.17	1.45	03/18/25 22:21	B25C0783	CP1	1
PFMPA	< 1.63	3.25	U	ng/L	0.11	1.63	03/18/25 22:21	B25C0783	CP1	1
PFMBA	< 1.63	3.25	U	ng/L	0.12	1.63	03/18/25 22:21	B25C0783	CP1	1
NFDHA	< 1.63	3.25	U	ng/L	0.46	1.63	03/18/25 22:21	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 85%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 103%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 104%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 102%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 106%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 110%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 114%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 76%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 132%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 115%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 105%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 82%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 82%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 104%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA			*S*	*Recovery: 261%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 55%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 107%*	*Limits: 20-150*		*03/18/25 22:21*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RB-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 11:15
Matrix: Groundwater
Lab ID: O25C0550-02

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**2.88**	6.50	J	ng/L	0.49	3.25	03/18/25 22:37	B25C0783	CP1	1
PFPeA	< 1.62	3.25	U	ng/L	0.14	1.62	03/18/25 22:37	B25C0783	CP1	1
PFHxA	< 0.81	1.62	U	ng/L	0.13	0.81	03/18/25 22:37	B25C0783	CP1	1
PFHpA	< 0.81	1.62	U	ng/L	0.16	0.81	03/18/25 22:37	B25C0783	CP1	1
PFOA	**0.50**	1.62	J	ng/L	0.12	0.81	03/18/25 22:37	B25C0783	CP1	1
PFNA	< 0.81	1.62	U	ng/L	0.09	0.81	03/18/25 22:37	B25C0783	CP1	1
PFDA	< 0.81	1.62	U	ng/L	0.13	0.81	03/18/25 22:37	B25C0783	CP1	1
PFUnA	< 0.81	1.62	U	ng/L	0.19	0.81	03/18/25 22:37	B25C0783	CP1	1
PFDoA	< 0.81	1.62	U	ng/L	0.11	0.81	03/18/25 22:37	B25C0783	CP1	1
PFTrDA	< 0.81	1.62	U	ng/L	0.07	0.81	03/18/25 22:37	B25C0783	CP1	1
PFTeDA	< 0.81	1.62	U	ng/L	0.12	0.81	03/18/25 22:37	B25C0783	CP1	1
PFBS	**1.23**	1.44	J	ng/L	0.19	0.72	03/18/25 22:37	B25C0783	CP1	1
PFPeS	**0.24**	1.53	J	ng/L	0.21	0.77	03/18/25 22:37	B25C0783	CP1	1
PFHxS	**0.44**	1.48	J	ng/L	0.23	0.74	03/18/25 22:37	B25C0783	CP1	1
PFHpS	< 0.77	1.54	U	ng/L	0.42	0.77	03/18/25 22:37	B25C0783	CP1	1
PFOS	**0.76**	1.89	J	ng/L	0.22	0.94	03/18/25 22:37	B25C0783	CP1	1
PFNS	< 0.78	1.56	U	ng/L	0.20	0.78	03/18/25 22:37	B25C0783	CP1	1
PFDS	< 0.78	1.56	U	ng/L	0.14	0.78	03/18/25 22:37	B25C0783	CP1	1
PFDoS	< 0.79	1.57	U	ng/L	0.08	0.79	03/18/25 22:37	B25C0783	CP1	1
4:2FTS	< 3.05	6.09	U	ng/L	0.42	3.05	03/18/25 22:37	B25C0783	CP1	1
6:2FTS	< 3.09	6.17	U	ng/L	2.81	3.09	03/18/25 22:37	B25C0783	CP1	1
8:2FTS	< 3.12	6.24	U	ng/L	0.62	3.12	03/18/25 22:37	B25C0783	CP1	1
PFOSA	< 0.81	1.62	U	ng/L	0.10	0.81	03/18/25 22:37	B25C0783	CP1	1
NMeFOSA	< 0.81	1.62	U	ng/L	0.26	0.81	03/18/25 22:37	B25C0783	CP1	1
NEtFOSA	< 0.81	1.62	U	ng/L	0.31	0.81	03/18/25 22:37	B25C0783	CP1	1
NMeFOSAA	< 0.81	1.62	U	ng/L	0.45	0.81	03/18/25 22:37	B25C0783	CP1	1
NEtFOSAA	< 0.81	1.62	U	ng/L	0.29	0.81	03/18/25 22:37	B25C0783	CP1	1
NMeFOSE	< 8.12	16.2	U	ng/L	1.03	8.12	03/18/25 22:37	B25C0783	CP1	1
NEtFOSE	< 8.12	16.2	U	ng/L	1.28	8.12	03/18/25 22:37	B25C0783	CP1	1
HFPO-DA	< 1.62	3.25	U	ng/L	0.42	1.62	03/18/25 22:37	B25C0783	CP1	1
ADONA	< 1.53	3.07	U	ng/L	0.15	1.53	03/18/25 22:37	B25C0783	CP1	1
9CL-PF3ONS	< 1.52	3.04	U	ng/L	0.18	1.52	03/18/25 22:37	B25C0783	CP1	1
11CL-PF3OUdS	< 1.53	3.07	U	ng/L	0.31	1.53	03/18/25 22:37	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RB-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 11:15
Matrix: Groundwater
Lab ID: O25C0550-02 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.25	6.50	U	ng/L	0.67	3.25	03/18/25 22:37	B25C0783	CP1	1
5:3FTCA	< 16.2	32.5	U	ng/L	3.72	16.2	03/18/25 22:37	B25C0783	CP1	1
7:3FTCA	< 16.2	32.5	U	ng/L	3.11	16.2	03/18/25 22:37	B25C0783	CP1	1
PFEESA	< 1.45	2.89	U	ng/L	0.17	1.45	03/18/25 22:37	B25C0783	CP1	1
PFMPA	< 1.62	3.25	U	ng/L	0.11	1.62	03/18/25 22:37	B25C0783	CP1	1
PFMBA	< 1.62	3.25	U	ng/L	0.12	1.62	03/18/25 22:37	B25C0783	CP1	1
NFDHA	< 1.62	3.25	U	ng/L	0.46	1.62	03/18/25 22:37	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 77%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 24%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 99%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 105%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 106%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 112%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 72%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 94%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 92%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 121%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 118%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 103%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 94%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 52%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 99%*	*Limits: 20-150*		*03/18/25 22:37*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RC-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 13:54
Matrix: Groundwater
Lab ID: O25C0550-03

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.12	6.25	U	ng/L	0.47	3.12	03/18/25 22:53	B25C0783	CP1	1
PFPeA	< 1.56	3.12	U	ng/L	0.14	1.56	03/18/25 22:53	B25C0783	CP1	1
PFHxA	< 0.78	1.56	U	ng/L	0.13	0.78	03/18/25 22:53	B25C0783	CP1	1
PFHpA	< 0.78	1.56	U	ng/L	0.16	0.78	03/18/25 22:53	B25C0783	CP1	1
PFOA	**0.47**	1.56	J	ng/L	0.12	0.78	03/18/25 22:53	B25C0783	CP1	1
PFNA	< 0.78	1.56	U	ng/L	0.09	0.78	03/18/25 22:53	B25C0783	CP1	1
PFDA	< 0.78	1.56	U	ng/L	0.13	0.78	03/18/25 22:53	B25C0783	CP1	1
PFUnA	< 0.78	1.56	U	ng/L	0.19	0.78	03/18/25 22:53	B25C0783	CP1	1
PFDoA	< 0.78	1.56	U	ng/L	0.11	0.78	03/18/25 22:53	B25C0783	CP1	1
PFTrDA	< 0.78	1.56	U	ng/L	0.07	0.78	03/18/25 22:53	B25C0783	CP1	1
PFTeDA	**0.24**	1.56	J	ng/L	0.12	0.78	03/18/25 22:53	B25C0783	CP1	1
PFBS	**0.23**	1.39	J	ng/L	0.19	0.69	03/18/25 22:53	B25C0783	CP1	1
PFPeS	< 0.74	1.47	U	ng/L	0.20	0.74	03/18/25 22:53	B25C0783	CP1	1
PFHxS	< 0.71	1.43	U	ng/L	0.22	0.71	03/18/25 22:53	B25C0783	CP1	1
PFHpS	< 0.74	1.48	U	ng/L	0.40	0.74	03/18/25 22:53	B25C0783	CP1	1
PFOS	**0.81**	1.82	J	ng/L	0.21	0.91	03/18/25 22:53	B25C0783	CP1	1
PFNS	< 0.75	1.50	U	ng/L	0.20	0.75	03/18/25 22:53	B25C0783	CP1	1
PFDS	< 0.75	1.50	U	ng/L	0.14	0.75	03/18/25 22:53	B25C0783	CP1	1
PFDoS	< 0.76	1.51	U	ng/L	0.08	0.76	03/18/25 22:53	B25C0783	CP1	1
4:2FTS	< 2.93	5.86	U	ng/L	0.40	2.93	03/18/25 22:53	B25C0783	CP1	1
6:2FTS	< 2.97	5.93	U	ng/L	2.70	2.97	03/18/25 22:53	B25C0783	CP1	1
8:2FTS	< 3.00	5.99	U	ng/L	0.60	3.00	03/18/25 22:53	B25C0783	CP1	1
PFOSA	< 0.78	1.56	U	ng/L	0.10	0.78	03/18/25 22:53	B25C0783	CP1	1
NMeFOSA	< 0.78	1.56	U	ng/L	0.25	0.78	03/18/25 22:53	B25C0783	CP1	1
NEtFOSA	< 0.78	1.56	U	ng/L	0.30	0.78	03/18/25 22:53	B25C0783	CP1	1
NMeFOSAA	< 0.78	1.56	U	ng/L	0.43	0.78	03/18/25 22:53	B25C0783	CP1	1
NEtFOSAA	< 0.78	1.56	U	ng/L	0.28	0.78	03/18/25 22:53	B25C0783	CP1	1
NMeFOSE	**5.17**	15.6	J	ng/L	0.99	7.81	03/18/25 22:53	B25C0783	CP1	1
NEtFOSE	**7.14**	15.6	J	ng/L	1.23	7.81	03/18/25 22:53	B25C0783	CP1	1
HFPO-DA	< 1.56	3.12	U	ng/L	0.40	1.56	03/18/25 22:53	B25C0783	CP1	1
ADONA	< 1.47	2.95	U	ng/L	0.15	1.47	03/18/25 22:53	B25C0783	CP1	1
9CL-PF3ONS	< 1.46	2.92	U	ng/L	0.18	1.46	03/18/25 22:53	B25C0783	CP1	1
11CL-PF3OUdS	< 1.47	2.95	U	ng/L	0.30	1.47	03/18/25 22:53	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW03RC-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 13:54
Matrix: Groundwater
Lab ID: O25C0550-03 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.12	6.25	U	ng/L	0.64	3.12	03/18/25 22:53	B25C0783	CP1	1
5:3FTCA	< 15.6	31.2	U	ng/L	3.57	15.6	03/18/25 22:53	B25C0783	CP1	1
7:3FTCA	< 15.6	31.2	U	ng/L	2.99	15.6	03/18/25 22:53	B25C0783	CP1	1
PFEESA	< 1.39	2.78	U	ng/L	0.17	1.39	03/18/25 22:53	B25C0783	CP1	1
PFMPA	< 1.56	3.12	U	ng/L	0.11	1.56	03/18/25 22:53	B25C0783	CP1	1
PFMBA	< 1.56	3.12	U	ng/L	0.12	1.56	03/18/25 22:53	B25C0783	CP1	1
NFDHA	< 1.56	3.12	U	ng/L	0.44	1.56	03/18/25 22:53	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 66%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 75%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 87%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 114%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 104%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 92%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 102%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 52%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 98%*	*Limits: 20-150*		*03/18/25 22:53*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW05R-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 11:34
Matrix: Groundwater
Lab ID: O25C0550-04

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**3.66**	6.11	J	ng/L	0.46	3.05	03/18/25 23:10	B25C0783	CP1	1
PFPeA	**6.11**	3.05		ng/L	0.13	1.53	03/18/25 23:10	B25C0783	CP1	1
PFHxA	**2.07**	1.53		ng/L	0.12	0.76	03/18/25 23:10	B25C0783	CP1	1
PFHpA	**0.90**	1.53	J	ng/L	0.15	0.76	03/18/25 23:10	B25C0783	CP1	1
PFOA	**0.52**	1.53	J	ng/L	0.11	0.76	03/18/25 23:10	B25C0783	CP1	1
PFNA	< 0.76	1.53	U	ng/L	0.09	0.76	03/18/25 23:10	B25C0783	CP1	1
PFDA	< 0.76	1.53	U	ng/L	0.12	0.76	03/18/25 23:10	B25C0783	CP1	1
PFUnA	< 0.76	1.53	U	ng/L	0.18	0.76	03/18/25 23:10	B25C0783	CP1	1
PFDoA	< 0.76	1.53	U	ng/L	0.10	0.76	03/18/25 23:10	B25C0783	CP1	1
PFTrDA	< 0.76	1.53	U	ng/L	0.07	0.76	03/18/25 23:10	B25C0783	CP1	1
PFTeDA	< 0.76	1.53	U	ng/L	0.11	0.76	03/18/25 23:10	B25C0783	CP1	1
PFBS	**1.84**	1.35		ng/L	0.18	0.68	03/18/25 23:10	B25C0783	CP1	1
PFPeS	**0.34**	1.44	J	ng/L	0.20	0.72	03/18/25 23:10	B25C0783	CP1	1
PFHxS	**2.08**	1.39		ng/L	0.22	0.70	03/18/25 23:10	B25C0783	CP1	1
PFHpS	< 0.72	1.45	U	ng/L	0.39	0.72	03/18/25 23:10	B25C0783	CP1	1
PFOS	**0.68**	1.77	J	ng/L	0.21	0.89	03/18/25 23:10	B25C0783	CP1	1
PFNS	< 0.73	1.47	U	ng/L	0.19	0.73	03/18/25 23:10	B25C0783	CP1	1
PFDS	< 0.73	1.47	U	ng/L	0.13	0.73	03/18/25 23:10	B25C0783	CP1	1
PFDoS	< 0.74	1.48	U	ng/L	0.08	0.74	03/18/25 23:10	B25C0783	CP1	1
4:2FTS	< 2.86	5.72	U	ng/L	0.39	2.86	03/18/25 23:10	B25C0783	CP1	1
6:2FTS	< 2.90	5.80	U	ng/L	2.64	2.90	03/18/25 23:10	B25C0783	CP1	1
8:2FTS	< 2.93	5.86	U	ng/L	0.58	2.93	03/18/25 23:10	B25C0783	CP1	1
PFOSA	< 0.76	1.53	U	ng/L	0.10	0.76	03/18/25 23:10	B25C0783	CP1	1
NMeFOSA	< 0.76	1.53	U	ng/L	0.25	0.76	03/18/25 23:10	B25C0783	CP1	1
NEtFOSA	< 0.76	1.53	U	ng/L	0.30	0.76	03/18/25 23:10	B25C0783	CP1	1
NMeFOSAA	< 0.76	1.53	U	ng/L	0.42	0.76	03/18/25 23:10	B25C0783	CP1	1
NEtFOSAA	< 0.76	1.53	U	ng/L	0.28	0.76	03/18/25 23:10	B25C0783	CP1	1
NMeFOSE	< 7.63	15.3	U	ng/L	0.96	7.63	03/18/25 23:10	B25C0783	CP1	1
NEtFOSE	< 7.63	15.3	U	ng/L	1.20	7.63	03/18/25 23:10	B25C0783	CP1	1
HFPO-DA	< 1.53	3.05	U	ng/L	0.39	1.53	03/18/25 23:10	B25C0783	CP1	1
ADONA	< 1.44	2.88	U	ng/L	0.14	1.44	03/18/25 23:10	B25C0783	CP1	1
9CL-PF3ONS	< 1.43	2.85	U	ng/L	0.17	1.43	03/18/25 23:10	B25C0783	CP1	1
11CL-PF3OUdS	< 1.44	2.88	U	ng/L	0.30	1.44	03/18/25 23:10	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: MW05R-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 11:34
Matrix: Groundwater
Lab ID: O25C0550-04 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.05	6.11	U	ng/L	0.63	3.05	03/18/25 23:10	B25C0783	CP1	1
5:3FTCA	< 15.3	30.5	U	ng/L	3.49	15.3	03/18/25 23:10	B25C0783	CP1	1
7:3FTCA	< 15.3	30.5	U	ng/L	2.92	15.3	03/18/25 23:10	B25C0783	CP1	1
PFEESA	< 1.36	2.72	U	ng/L	0.16	1.36	03/18/25 23:10	B25C0783	CP1	1
PFMPA	**0.57**	3.05	J	ng/L	0.10	1.53	03/18/25 23:10	B25C0783	CP1	1
PFMBA	< 1.53	3.05	U	ng/L	0.11	1.53	03/18/25 23:10	B25C0783	CP1	1
NFDHA	< 1.53	3.05	U	ng/L	0.43	1.53	03/18/25 23:10	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 85%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 98%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 92%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 98%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 99%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 102%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 73%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 82%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 113%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 104%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 96%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 87%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 87%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 88%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 50%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:10*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW29A-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:14
Matrix: Groundwater
Lab ID: O25C0550-05

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.58**	6.22	J	ng/L	0.47	3.11	03/18/25 23:26	B25C0783	CP1	1
PFPeA	**5.32**	3.11		ng/L	0.14	1.55	03/18/25 23:26	B25C0783	CP1	1
PFHxA	**3.17**	1.55		ng/L	0.13	0.78	03/18/25 23:26	B25C0783	CP1	1
PFHpA	**1.19**	1.55	J	ng/L	0.16	0.78	03/18/25 23:26	B25C0783	CP1	1
PFOA	**1.61**	1.55		ng/L	0.12	0.78	03/18/25 23:26	B25C0783	CP1	1
PFNA	< 0.78	1.55	U	ng/L	0.09	0.78	03/18/25 23:26	B25C0783	CP1	1
PFDA	< 0.78	1.55	U	ng/L	0.13	0.78	03/18/25 23:26	B25C0783	CP1	1
PFUnA	< 0.78	1.55	U	ng/L	0.18	0.78	03/18/25 23:26	B25C0783	CP1	1
PFDoA	< 0.78	1.55	U	ng/L	0.11	0.78	03/18/25 23:26	B25C0783	CP1	1
PFTrDA	< 0.78	1.55	U	ng/L	0.07	0.78	03/18/25 23:26	B25C0783	CP1	1
PFTeDA	< 0.78	1.55	U	ng/L	0.12	0.78	03/18/25 23:26	B25C0783	CP1	1
PFBS	**3.09**	1.38		ng/L	0.18	0.69	03/18/25 23:26	B25C0783	CP1	1
PFPeS	< 0.73	1.47	U	ng/L	0.20	0.73	03/18/25 23:26	B25C0783	CP1	1
PFHxS	**1.33**	1.42	J	ng/L	0.22	0.71	03/18/25 23:26	B25C0783	CP1	1
PFHpS	< 0.74	1.48	U	ng/L	0.40	0.74	03/18/25 23:26	B25C0783	CP1	1
PFOS	**1.31**	1.81	J	ng/L	0.21	0.90	03/18/25 23:26	B25C0783	CP1	1
PFNS	< 0.75	1.50	U	ng/L	0.19	0.75	03/18/25 23:26	B25C0783	CP1	1
PFDS	< 0.75	1.50	U	ng/L	0.14	0.75	03/18/25 23:26	B25C0783	CP1	1
PFDoS	< 0.75	1.51	U	ng/L	0.08	0.75	03/18/25 23:26	B25C0783	CP1	1
6:2FTS	< 2.95	5.90	U	ng/L	2.69	2.95	03/18/25 23:26	B25C0783	CP1	1
8:2FTS	< 2.98	5.96	U	ng/L	0.59	2.98	03/18/25 23:26	B25C0783	CP1	1
PFOSA	< 0.78	1.55	U	ng/L	0.10	0.78	03/18/25 23:26	B25C0783	CP1	1
NMeFOSA	< 0.78	1.55	U	ng/L	0.25	0.78	03/18/25 23:26	B25C0783	CP1	1
NEtFOSA	< 0.78	1.55	U	ng/L	0.30	0.78	03/18/25 23:26	B25C0783	CP1	1
NMeFOSAA	< 0.78	1.55	U	ng/L	0.43	0.78	03/18/25 23:26	B25C0783	CP1	1
NEtFOSAA	< 0.78	1.55	Q, U	ng/L	0.28	0.78	03/18/25 23:26	B25C0783	CP1	1
NMeFOSE	< 7.77	15.5	U	ng/L	0.98	7.77	03/18/25 23:26	B25C0783	CP1	1
NEtFOSE	< 7.77	15.5	U	ng/L	1.22	7.77	03/18/25 23:26	B25C0783	CP1	1
HFPO-DA	< 1.55	3.11	U	ng/L	0.40	1.55	03/18/25 23:26	B25C0783	CP1	1
ADONA	< 1.47	2.93	U	ng/L	0.15	1.47	03/18/25 23:26	B25C0783	CP1	1
9CL-PF3ONS	< 1.45	2.90	U	ng/L	0.17	1.45	03/18/25 23:26	B25C0783	CP1	1
11CL-PF3OUdS	< 1.47	2.93	U	ng/L	0.30	1.47	03/18/25 23:26	B25C0783	CP1	1
3:3FTCA	< 3.11	6.22	U	ng/L	0.64	3.11	03/18/25 23:26	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW29A-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:14
Matrix: Groundwater
Lab ID: O25C0550-05 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
5:3FTCA	< 15.5	31.1	U	ng/L	3.55	15.5	03/18/25 23:26	B25C0783	CP1	1
7:3FTCA	< 15.5	31.1	U	ng/L	2.97	15.5	03/18/25 23:26	B25C0783	CP1	1
PFEESA	< 1.38	2.77	U	ng/L	0.17	1.38	03/18/25 23:26	B25C0783	CP1	1
PFMPA	< 1.55	3.11	U	ng/L	0.11	1.55	03/18/25 23:26	B25C0783	CP1	1
PFMBA	< 1.55	3.11	U	ng/L	0.12	1.55	03/18/25 23:26	B25C0783	CP1	1
NFDHA	< 1.55	3.11	U	ng/L	0.44	1.55	03/18/25 23:26	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 72%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 94%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 102%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 96%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 109%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 67%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 94%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 137%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 127%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 116%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 91%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 83%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 81%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA			*S*	*Recovery: 166%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 54%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 23:26*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: FD01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 10:00
Matrix: Groundwater
Lab ID: O25C0550-06

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**2.79**	6.24	J	ng/L	0.47	3.12	03/18/25 23:42	B25C0783	CP1	1
PFPeA	< 1.56	3.12	U	ng/L	0.14	1.56	03/18/25 23:42	B25C0783	CP1	1
PFHxA	< 0.78	1.56	U	ng/L	0.13	0.78	03/18/25 23:42	B25C0783	CP1	1
PFHpA	< 0.78	1.56	U	ng/L	0.16	0.78	03/18/25 23:42	B25C0783	CP1	1
PFOA	< 0.78	1.56	U	ng/L	0.12	0.78	03/18/25 23:42	B25C0783	CP1	1
PFNA	< 0.78	1.56	U	ng/L	0.09	0.78	03/18/25 23:42	B25C0783	CP1	1
PFDA	< 0.78	1.56	U	ng/L	0.13	0.78	03/18/25 23:42	B25C0783	CP1	1
PFUnA	< 0.78	1.56	U	ng/L	0.19	0.78	03/18/25 23:42	B25C0783	CP1	1
PFDoA	< 0.78	1.56	U	ng/L	0.11	0.78	03/18/25 23:42	B25C0783	CP1	1
PFTrDA	< 0.78	1.56	U	ng/L	0.07	0.78	03/18/25 23:42	B25C0783	CP1	1
PFTeDA	< 0.78	1.56	U	ng/L	0.12	0.78	03/18/25 23:42	B25C0783	CP1	1
PFBS	**1.47**	1.38		ng/L	0.19	0.69	03/18/25 23:42	B25C0783	CP1	1
PFPeS	**0.23**	1.47	J	ng/L	0.20	0.74	03/18/25 23:42	B25C0783	CP1	1
PFHxS	**0.43**	1.42	J	ng/L	0.22	0.71	03/18/25 23:42	B25C0783	CP1	1
PFHpS	< 0.74	1.48	U	ng/L	0.40	0.74	03/18/25 23:42	B25C0783	CP1	1
PFOS	**0.75**	1.81	J	ng/L	0.21	0.91	03/18/25 23:42	B25C0783	CP1	1
PFNS	< 0.75	1.50	U	ng/L	0.19	0.75	03/18/25 23:42	B25C0783	CP1	1
PFDS	< 0.75	1.50	U	ng/L	0.14	0.75	03/18/25 23:42	B25C0783	CP1	1
PFDoS	< 0.76	1.51	U	ng/L	0.08	0.76	03/18/25 23:42	B25C0783	CP1	1
4:2FTS	< 2.92	5.85	U	ng/L	0.40	2.92	03/18/25 23:42	B25C0783	CP1	1
6:2FTS	< 2.96	5.93	U	ng/L	2.70	2.96	03/18/25 23:42	B25C0783	CP1	1
8:2FTS	< 2.99	5.99	U	ng/L	0.59	2.99	03/18/25 23:42	B25C0783	CP1	1
PFOSA	< 0.78	1.56	U	ng/L	0.10	0.78	03/18/25 23:42	B25C0783	CP1	1
NMeFOSA	< 0.78	1.56	U	ng/L	0.25	0.78	03/18/25 23:42	B25C0783	CP1	1
NEtFOSA	< 0.78	1.56	U	ng/L	0.30	0.78	03/18/25 23:42	B25C0783	CP1	1
NMeFOSAA	< 0.78	1.56	U	ng/L	0.43	0.78	03/18/25 23:42	B25C0783	CP1	1
NEtFOSAA	< 0.78	1.56	U	ng/L	0.28	0.78	03/18/25 23:42	B25C0783	CP1	1
NMeFOSE	< 7.80	15.6	U	ng/L	0.98	7.80	03/18/25 23:42	B25C0783	CP1	1
NEtFOSE	< 7.80	15.6	U	ng/L	1.23	7.80	03/18/25 23:42	B25C0783	CP1	1
HFPO-DA	< 1.56	3.12	U	ng/L	0.40	1.56	03/18/25 23:42	B25C0783	CP1	1
ADONA	< 1.47	2.94	U	ng/L	0.15	1.47	03/18/25 23:42	B25C0783	CP1	1
9CL-PF3ONS	< 1.46	2.91	U	ng/L	0.18	1.46	03/18/25 23:42	B25C0783	CP1	1
11CL-PF3OUdS	< 1.47	2.94	U	ng/L	0.30	1.47	03/18/25 23:42	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: FD01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 10:00
Matrix: Groundwater
Lab ID: O25C0550-06 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.12	6.24	U	ng/L	0.64	3.12	03/18/25 23:42	B25C0783	CP1	1
5:3FTCA	< 15.6	31.2	U	ng/L	3.57	15.6	03/18/25 23:42	B25C0783	CP1	1
7:3FTCA	< 15.6	31.2	U	ng/L	2.98	15.6	03/18/25 23:42	B25C0783	CP1	1
PFEESA	< 1.39	2.78	U	ng/L	0.17	1.39	03/18/25 23:42	B25C0783	CP1	1
PFMPA	< 1.56	3.12	U	ng/L	0.11	1.56	03/18/25 23:42	B25C0783	CP1	1
PFMBA	< 1.56	3.12	U	ng/L	0.12	1.56	03/18/25 23:42	B25C0783	CP1	1
NFDHA	< 1.56	3.12	U	ng/L	0.44	1.56	03/18/25 23:42	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 73%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 98%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 94%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 99%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 96%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 92%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 78%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 66%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 86%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 113%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 111%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 95%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 89%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 54%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 85%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 100%*	*Limits: 20-150*		*03/18/25 23:42*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW29B-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 14:51
Matrix: Groundwater
Lab ID: O25C0550-07

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.30**	6.19	J	ng/L	0.46	3.09	03/18/25 23:58	B25C0783	CP1	1
PFPeA	< 1.55	3.09	U	ng/L	0.14	1.55	03/18/25 23:58	B25C0783	CP1	1
PFHxA	**0.40**	1.55	J	ng/L	0.13	0.77	03/18/25 23:58	B25C0783	CP1	1
PFHpA	< 0.77	1.55	U	ng/L	0.15	0.77	03/18/25 23:58	B25C0783	CP1	1
PFOA	**0.49**	1.55	J	ng/L	0.12	0.77	03/18/25 23:58	B25C0783	CP1	1
PFNA	< 0.77	1.55	U	ng/L	0.09	0.77	03/18/25 23:58	B25C0783	CP1	1
PFDA	< 0.77	1.55	U	ng/L	0.13	0.77	03/18/25 23:58	B25C0783	CP1	1
PFUnA	< 0.77	1.55	U	ng/L	0.18	0.77	03/18/25 23:58	B25C0783	CP1	1
PFDoA	< 0.77	1.55	U	ng/L	0.11	0.77	03/18/25 23:58	B25C0783	CP1	1
PFTrDA	< 0.77	1.55	U	ng/L	0.07	0.77	03/18/25 23:58	B25C0783	CP1	1
PFTeDA	< 0.77	1.55	U	ng/L	0.12	0.77	03/18/25 23:58	B25C0783	CP1	1
PFBS	**2.77**	1.37		ng/L	0.18	0.69	03/18/25 23:58	B25C0783	CP1	1
PFPeS	**0.42**	1.46	J	ng/L	0.20	0.73	03/18/25 23:58	B25C0783	CP1	1
PFHxS	**1.97**	1.41		ng/L	0.22	0.71	03/18/25 23:58	B25C0783	CP1	1
PFHpS	< 0.73	1.47	U	ng/L	0.40	0.73	03/18/25 23:58	B25C0783	CP1	1
PFOS	**0.73**	1.80	J	ng/L	0.21	0.90	03/18/25 23:58	B25C0783	CP1	1
PFNS	< 0.74	1.49	U	ng/L	0.19	0.74	03/18/25 23:58	B25C0783	CP1	1
PFDS	< 0.74	1.49	U	ng/L	0.14	0.74	03/18/25 23:58	B25C0783	CP1	1
PFDoS	< 0.75	1.50	U	ng/L	0.08	0.75	03/18/25 23:58	B25C0783	CP1	1
4:2FTS	< 2.90	5.80	U	ng/L	0.40	2.90	03/18/25 23:58	B25C0783	CP1	1
6:2FTS	< 2.94	5.88	U	ng/L	2.68	2.94	03/18/25 23:58	B25C0783	CP1	1
8:2FTS	< 2.97	5.94	U	ng/L	0.59	2.97	03/18/25 23:58	B25C0783	CP1	1
PFOSA	< 0.77	1.55	U	ng/L	0.10	0.77	03/18/25 23:58	B25C0783	CP1	1
NMeFOSA	< 0.77	1.55	U	ng/L	0.25	0.77	03/18/25 23:58	B25C0783	CP1	1
NEtFOSA	< 0.77	1.55	U	ng/L	0.30	0.77	03/18/25 23:58	B25C0783	CP1	1
NMeFOSAA	< 0.77	1.55	U	ng/L	0.43	0.77	03/18/25 23:58	B25C0783	CP1	1
NEtFOSAA	< 0.77	1.55	U	ng/L	0.28	0.77	03/18/25 23:58	B25C0783	CP1	1
NMeFOSE	**1.60**	15.5	J	ng/L	0.98	7.73	03/18/25 23:58	B25C0783	CP1	1
NEtFOSE	**2.49**	15.5	J	ng/L	1.22	7.73	03/18/25 23:58	B25C0783	CP1	1
HFPO-DA	< 1.55	3.09	U	ng/L	0.40	1.55	03/18/25 23:58	B25C0783	CP1	1
ADONA	< 1.46	2.92	U	ng/L	0.15	1.46	03/18/25 23:58	B25C0783	CP1	1
9CL-PF3ONS	< 1.45	2.89	U	ng/L	0.17	1.45	03/18/25 23:58	B25C0783	CP1	1
11CL-PF3OUdS	< 1.46	2.92	U	ng/L	0.30	1.46	03/18/25 23:58	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW29B-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 14:51
Matrix: Groundwater
Lab ID: O25C0550-07 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.09	6.19	U	ng/L	0.64	3.09	03/18/25 23:58	B25C0783	CP1	1
5:3FTCA	< 15.5	30.9	U	ng/L	3.54	15.5	03/18/25 23:58	B25C0783	CP1	1
7:3FTCA	< 15.5	30.9	U	ng/L	2.96	15.5	03/18/25 23:58	B25C0783	CP1	1
PFEESA	< 1.38	2.76	U	ng/L	0.16	1.38	03/18/25 23:58	B25C0783	CP1	1
PFMPA	< 1.55	3.09	U	ng/L	0.11	1.55	03/18/25 23:58	B25C0783	CP1	1
PFMBA	< 1.55	3.09	U	ng/L	0.12	1.55	03/18/25 23:58	B25C0783	CP1	1
NFDHA	< 1.55	3.09	U	ng/L	0.44	1.55	03/18/25 23:58	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 80%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 109%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 107%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 105%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 103%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 109%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 107%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 105%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 82%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 103%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 101%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 132%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 126%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 115%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 98%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 93%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 90%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 105%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 103%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 59%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 97%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 109%*	*Limits: 20-150*		*03/18/25 23:58*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW29C-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:45
Matrix: Groundwater
Lab ID: O25C0550-08

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**3.00**	6.26	J	ng/L	0.47	3.13	03/19/25 00:15	B25C0783	CP1	1
PFPeA	< 1.57	3.13	U	ng/L	0.14	1.57	03/19/25 00:15	B25C0783	CP1	1
PFHxA	**0.88**	1.57	J	ng/L	0.13	0.78	03/19/25 00:15	B25C0783	CP1	1
PFHpA	**0.33**	1.57	J	ng/L	0.16	0.78	03/19/25 00:15	B25C0783	CP1	1
PFOA	**0.53**	1.57	J	ng/L	0.12	0.78	03/19/25 00:15	B25C0783	CP1	1
PFNA	< 0.78	1.57	U	ng/L	0.09	0.78	03/19/25 00:15	B25C0783	CP1	1
PFDA	< 0.78	1.57	U	ng/L	0.13	0.78	03/19/25 00:15	B25C0783	CP1	1
PFUnA	< 0.78	1.57	U	ng/L	0.19	0.78	03/19/25 00:15	B25C0783	CP1	1
PFDoA	< 0.78	1.57	U	ng/L	0.11	0.78	03/19/25 00:15	B25C0783	CP1	1
PFTrDA	< 0.78	1.57	U	ng/L	0.07	0.78	03/19/25 00:15	B25C0783	CP1	1
PFTeDA	< 0.78	1.57	U	ng/L	0.12	0.78	03/19/25 00:15	B25C0783	CP1	1
PFBS	**1.03**	1.39	J	ng/L	0.19	0.69	03/19/25 00:15	B25C0783	CP1	1
PFPeS	**0.41**	1.48	J	ng/L	0.21	0.74	03/19/25 00:15	B25C0783	CP1	1
PFHxS	**2.68**	1.43		ng/L	0.23	0.71	03/19/25 00:15	B25C0783	CP1	1
PFHpS	< 0.74	1.49	U	ng/L	0.40	0.74	03/19/25 00:15	B25C0783	CP1	1
PFOS	**0.75**	1.82	J	ng/L	0.22	0.91	03/19/25 00:15	B25C0783	CP1	1
PFNS	< 0.75	1.51	U	ng/L	0.20	0.75	03/19/25 00:15	B25C0783	CP1	1
PFDS	< 0.75	1.51	U	ng/L	0.14	0.75	03/19/25 00:15	B25C0783	CP1	1
PFDoS	< 0.76	1.52	U	ng/L	0.08	0.76	03/19/25 00:15	B25C0783	CP1	1
4:2FTS	< 2.94	5.87	U	ng/L	0.40	2.94	03/19/25 00:15	B25C0783	CP1	1
6:2FTS	< 2.98	5.95	U	ng/L	2.71	2.98	03/19/25 00:15	B25C0783	CP1	1
8:2FTS	< 3.00	6.01	U	ng/L	0.60	3.00	03/19/25 00:15	B25C0783	CP1	1
PFOSA	< 0.78	1.57	U	ng/L	0.10	0.78	03/19/25 00:15	B25C0783	CP1	1
NMeFOSA	< 0.78	1.57	U	ng/L	0.25	0.78	03/19/25 00:15	B25C0783	CP1	1
NEtFOSA	< 0.78	1.57	U	ng/L	0.30	0.78	03/19/25 00:15	B25C0783	CP1	1
NMeFOSAA	< 0.78	1.57	U	ng/L	0.43	0.78	03/19/25 00:15	B25C0783	CP1	1
NEtFOSAA	< 0.78	1.57	U	ng/L	0.28	0.78	03/19/25 00:15	B25C0783	CP1	1
NMeFOSE	< 7.83	15.7	U	ng/L	0.99	7.83	03/19/25 00:15	B25C0783	CP1	1
NEtFOSE	< 7.83	15.7	U	ng/L	1.23	7.83	03/19/25 00:15	B25C0783	CP1	1
HFPO-DA	< 1.57	3.13	U	ng/L	0.40	1.57	03/19/25 00:15	B25C0783	CP1	1
ADONA	< 1.48	2.96	U	ng/L	0.15	1.48	03/19/25 00:15	B25C0783	CP1	1
9CL-PF3ONS	< 1.46	2.93	U	ng/L	0.18	1.46	03/19/25 00:15	B25C0783	CP1	1
11CL-PF3OUdS	< 1.48	2.96	U	ng/L	0.30	1.48	03/19/25 00:15	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: MW29C-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:45
Matrix: Groundwater
Lab ID: O25C0550-08 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.13	6.26	U	ng/L	0.65	3.13	03/19/25 00:15	B25C0783	CP1	1
5:3FTCA	< 15.7	31.3	U	ng/L	3.58	15.7	03/19/25 00:15	B25C0783	CP1	1
7:3FTCA	< 15.7	31.3	U	ng/L	2.99	15.7	03/19/25 00:15	B25C0783	CP1	1
PFEESA	< 1.39	2.79	U	ng/L	0.17	1.39	03/19/25 00:15	B25C0783	CP1	1
PFMPA	< 1.57	3.13	U	ng/L	0.11	1.57	03/19/25 00:15	B25C0783	CP1	1
PFMBA	< 1.57	3.13	U	ng/L	0.12	1.57	03/19/25 00:15	B25C0783	CP1	1
NFDHA	< 1.57	3.13	U	ng/L	0.44	1.57	03/19/25 00:15	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 90%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 99%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 102%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 99%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 97%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 96%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 99%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 97%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 80%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 66%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 94%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 91%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 131%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 123%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 106%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 92%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 85%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 97%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 54%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 90%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 100%*	*Limits: 20-150*		*03/19/25 00:15*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW30RA-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 15:42
Matrix: Groundwater
Lab ID: O25C0550-09

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.83**	6.17	J	ng/L	0.46	3.08	03/19/25 00:31	B25C0783	CP1	1
PFPeA	**6.98**	3.08		ng/L	0.13	1.54	03/19/25 00:31	B25C0783	CP1	1
PFHxA	**5.63**	1.54		ng/L	0.13	0.77	03/19/25 00:31	B25C0783	CP1	1
PFHpA	**2.05**	1.54		ng/L	0.15	0.77	03/19/25 00:31	B25C0783	CP1	1
PFOA	**3.38**	1.54		ng/L	0.12	0.77	03/19/25 00:31	B25C0783	CP1	1
PFNA	< 0.77	1.54	U	ng/L	0.09	0.77	03/19/25 00:31	B25C0783	CP1	1
PFDA	< 0.77	1.54	U	ng/L	0.13	0.77	03/19/25 00:31	B25C0783	CP1	1
PFUnA	< 0.77	1.54	U	ng/L	0.18	0.77	03/19/25 00:31	B25C0783	CP1	1
PFDoA	< 0.77	1.54	U	ng/L	0.11	0.77	03/19/25 00:31	B25C0783	CP1	1
PFTrDA	< 0.77	1.54	U	ng/L	0.07	0.77	03/19/25 00:31	B25C0783	CP1	1
PFTeDA	< 0.77	1.54	U	ng/L	0.12	0.77	03/19/25 00:31	B25C0783	CP1	1
PFBS	**7.73**	1.37		ng/L	0.18	0.68	03/19/25 00:31	B25C0783	CP1	1
PFPeS	**0.30**	1.45	J	ng/L	0.20	0.73	03/19/25 00:31	B25C0783	CP1	1
PFHxS	**1.80**	1.41		ng/L	0.22	0.70	03/19/25 00:31	B25C0783	CP1	1
PFHpS	< 0.73	1.46	U	ng/L	0.39	0.73	03/19/25 00:31	B25C0783	CP1	1
PFOS	**0.81**	1.79	J	ng/L	0.21	0.90	03/19/25 00:31	B25C0783	CP1	1
PFNS	< 0.74	1.48	U	ng/L	0.19	0.74	03/19/25 00:31	B25C0783	CP1	1
PFDS	< 0.74	1.48	U	ng/L	0.13	0.74	03/19/25 00:31	B25C0783	CP1	1
PFDoS	< 0.75	1.49	U	ng/L	0.08	0.75	03/19/25 00:31	B25C0783	CP1	1
4:2FTS	< 2.89	5.78	U	ng/L	0.39	2.89	03/19/25 00:31	B25C0783	CP1	1
6:2FTS	< 2.93	5.86	U	ng/L	2.67	2.93	03/19/25 00:31	B25C0783	CP1	1
8:2FTS	< 2.96	5.92	U	ng/L	0.59	2.96	03/19/25 00:31	B25C0783	CP1	1
PFOSA	< 0.77	1.54	U	ng/L	0.10	0.77	03/19/25 00:31	B25C0783	CP1	1
NMeFOSA	< 0.77	1.54	U	ng/L	0.25	0.77	03/19/25 00:31	B25C0783	CP1	1
NEtFOSA	< 0.77	1.54	U	ng/L	0.30	0.77	03/19/25 00:31	B25C0783	CP1	1
NMeFOSAA	< 0.77	1.54	U	ng/L	0.42	0.77	03/19/25 00:31	B25C0783	CP1	1
NEtFOSAA	< 0.77	1.54	U	ng/L	0.28	0.77	03/19/25 00:31	B25C0783	CP1	1
NMeFOSE	**1.00**	15.4	J	ng/L	0.97	7.71	03/19/25 00:31	B25C0783	CP1	1
NEtFOSE	**1.68**	15.4	J	ng/L	1.21	7.71	03/19/25 00:31	B25C0783	CP1	1
HFPO-DA	< 1.54	3.08	U	ng/L	0.39	1.54	03/19/25 00:31	B25C0783	CP1	1
ADONA	< 1.45	2.91	U	ng/L	0.14	1.45	03/19/25 00:31	B25C0783	CP1	1
9CL-PF3ONS	< 1.44	2.88	U	ng/L	0.17	1.44	03/19/25 00:31	B25C0783	CP1	1
11CL-PF3OUdS	< 1.45	2.91	U	ng/L	0.30	1.45	03/19/25 00:31	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW30RA-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 15:42
Matrix: Groundwater
Lab ID: O25C0550-09 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.08	6.17	U	ng/L	0.64	3.08	03/19/25 00:31	B25C0783	CP1	1
5:3FTCA	< 15.4	30.8	U	ng/L	3.53	15.4	03/19/25 00:31	B25C0783	CP1	1
7:3FTCA	< 15.4	30.8	U	ng/L	2.95	15.4	03/19/25 00:31	B25C0783	CP1	1
PFEESA	< 1.37	2.75	U	ng/L	0.16	1.37	03/19/25 00:31	B25C0783	CP1	1
PFMPA	< 1.54	3.08	U	ng/L	0.11	1.54	03/19/25 00:31	B25C0783	CP1	1
PFMBA	< 1.54	3.08	U	ng/L	0.12	1.54	03/19/25 00:31	B25C0783	CP1	1
NFDHA	< 1.54	3.08	U	ng/L	0.43	1.54	03/19/25 00:31	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 92%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 96%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 91%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 97%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 92%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 96%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 91%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 80%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 70%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 92%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 91%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 94%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 126%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 112%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 105%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 78%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 80%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 57%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 94%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 100%*	*Limits: 20-150*		*03/19/25 00:31*	*B25C0783*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Client Sample ID: MW30RB-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:05
Matrix: Groundwater
Lab ID: O25C0550-10

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.61**	6.15	J	ng/L	0.46	3.07	03/19/25 00:47	B25C0783	CP1	1
PFPeA	**6.70**	3.07		ng/L	0.13	1.54	03/19/25 00:47	B25C0783	CP1	1
PFHxA	**4.98**	1.54		ng/L	0.12	0.77	03/19/25 00:47	B25C0783	CP1	1
PFHpA	**2.36**	1.54		ng/L	0.15	0.77	03/19/25 00:47	B25C0783	CP1	1
PFOA	**4.96**	1.54		ng/L	0.12	0.77	03/19/25 00:47	B25C0783	CP1	1
PFNA	< 0.77	1.54	U	ng/L	0.09	0.77	03/19/25 00:47	B25C0783	CP1	1
PFDA	< 0.77	1.54	U	ng/L	0.12	0.77	03/19/25 00:47	B25C0783	CP1	1
PFUnA	< 0.77	1.54	U	ng/L	0.18	0.77	03/19/25 00:47	B25C0783	CP1	1
PFDoA	< 0.77	1.54	U	ng/L	0.11	0.77	03/19/25 00:47	B25C0783	CP1	1
PFTrDA	< 0.77	1.54	U	ng/L	0.07	0.77	03/19/25 00:47	B25C0783	CP1	1
PFTeDA	< 0.77	1.54	U	ng/L	0.12	0.77	03/19/25 00:47	B25C0783	CP1	1
PFBS	**9.07**	1.36		ng/L	0.18	0.68	03/19/25 00:47	B25C0783	CP1	1
PFPeS	**0.37**	1.45	J	ng/L	0.20	0.73	03/19/25 00:47	B25C0783	CP1	1
PFHxS	**1.43**	1.40		ng/L	0.22	0.70	03/19/25 00:47	B25C0783	CP1	1
PFHpS	< 0.73	1.46	U	ng/L	0.39	0.73	03/19/25 00:47	B25C0783	CP1	1
PFOS	**0.97**	1.79	J	ng/L	0.21	0.89	03/19/25 00:47	B25C0783	CP1	1
PFNS	< 0.74	1.48	U	ng/L	0.19	0.74	03/19/25 00:47	B25C0783	CP1	1
PFDS	< 0.74	1.48	U	ng/L	0.13	0.74	03/19/25 00:47	B25C0783	CP1	1
PFDoS	< 0.74	1.49	U	ng/L	0.08	0.74	03/19/25 00:47	B25C0783	CP1	1
4:2FTS	< 2.88	5.76	U	ng/L	0.39	2.88	03/19/25 00:47	B25C0783	CP1	1
6:2FTS	< 2.92	5.84	U	ng/L	2.66	2.92	03/19/25 00:47	B25C0783	CP1	1
8:2FTS	< 2.95	5.90	U	ng/L	0.59	2.95	03/19/25 00:47	B25C0783	CP1	1
PFOSA	< 0.77	1.54	U	ng/L	0.10	0.77	03/19/25 00:47	B25C0783	CP1	1
NMeFOSA	< 0.77	1.54	U	ng/L	0.25	0.77	03/19/25 00:47	B25C0783	CP1	1
NEtFOSA	< 0.77	1.54	U	ng/L	0.30	0.77	03/19/25 00:47	B25C0783	CP1	1
NMeFOSAA	< 0.77	1.54	U	ng/L	0.42	0.77	03/19/25 00:47	B25C0783	CP1	1
NEtFOSAA	< 0.77	1.54	U	ng/L	0.28	0.77	03/19/25 00:47	B25C0783	CP1	1
NMeFOSE	< 7.68	15.4	U	ng/L	0.97	7.68	03/19/25 00:47	B25C0783	CP1	1
NEtFOSE	< 7.68	15.4	U	ng/L	1.21	7.68	03/19/25 00:47	B25C0783	CP1	1
HFPO-DA	< 1.54	3.07	U	ng/L	0.39	1.54	03/19/25 00:47	B25C0783	CP1	1
ADONA	< 1.45	2.90	U	ng/L	0.14	1.45	03/19/25 00:47	B25C0783	CP1	1
9CL-PF3ONS	< 1.44	2.87	U	ng/L	0.17	1.44	03/19/25 00:47	B25C0783	CP1	1
11CL-PF3OUdS	< 1.45	2.90	U	ng/L	0.30	1.45	03/19/25 00:47	B25C0783	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0550

Client Sample ID: MW30RB-GW031125
Report Date: 03/31/2025
Collection Date: 03/11/2025 17:05
Matrix: Groundwater
Lab ID: O25C0550-10 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
PFAS Substances by LC-MS-MS (Continued)										
Method: E1633 (Continued)										
3:3FTCA	< 3.07	6.15	U	ng/L	0.63	3.07	03/19/25 00:47	B25C0783	CP1	1
5:3FTCA	< 15.4	30.7	U	ng/L	3.52	15.4	03/19/25 00:47	B25C0783	CP1	1
7:3FTCA	< 15.4	30.7	U	ng/L	2.94	15.4	03/19/25 00:47	B25C0783	CP1	1
PFEESA	< 1.37	2.74	U	ng/L	0.16	1.37	03/19/25 00:47	B25C0783	CP1	1
PFMPA	< 1.54	3.07	U	ng/L	0.11	1.54	03/19/25 00:47	B25C0783	CP1	1
PFMBA	< 1.54	3.07	U	ng/L	0.12	1.54	03/19/25 00:47	B25C0783	CP1	1
NFDHA	< 1.54	3.07	U	ng/L	0.43	1.54	03/19/25 00:47	B25C0783	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 69%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 97%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 94%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 101%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 99%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 96%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 89%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 77%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 67%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 129%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 122%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 104%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 93%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 81%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 98%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 94%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 56%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 90%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 103%*	*Limits: 20-150*		*03/19/25 00:47*	*B25C0783*	*CP1*	1

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Dates Report

Client: CDM Federal Programs Corporation

Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

Report Date: 03/31/2025

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
O25C0550-01	MW03RA-GW031225	03/12/25	Groundwater	Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 22:21	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-02	MW03RB-GW031225	03/12/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 22:37	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-03	MW03RC-GW031225	03/12/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 22:53	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-04	MW05R-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 23:10	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-05	MW29A-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 23:26	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-06	FD01-GW031225	03/12/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 23:42	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-07	MW29B-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/18/25 23:58	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-08	MW29C-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/19/25 00:15	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-09	MW30RA-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/19/25 00:31	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
O25C0550-10	MW30RB-GW031125	03/11/25		Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/14/25 11:13	03/19/25 00:47	B25C0783	S25C0702
				Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	

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Quality Control

Client: Cherie Zakowski
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0550

Report Date: 03/31/2025
Matrix: Water

Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0901											
(B25C0901-BLK1), Blank				*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	<0.800	10.0	mg/L								0.2
(B25C0901-BS1), LCS				*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	988	10.0	mg/L	1,020		97	85-115				1
(B25C0901-DUP1), Duplicate		**Source: O25C0114-02**		*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	2,340	10.0	mg/L		1,660			34	10	P	2
(B25C0901-DUP2), Duplicate		**Source: O25C0550-10**		*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	9.00	10.0	mg/L		ND				10		1

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Quality Control

(Continued)

Client: Cherie Zakowski
Report Date: 03/31/2025
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Matrix: Water
Work Order: O25C0550

PFAS Substances by LC-MS-MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783											
(B25C0783-BLK1), Blank				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 20:57*				
PFBA	<3.20	6.40	ng/L							U	1
PFPeA	<1.60	3.20	ng/L							U	1
PFHxA	<0.80	1.60	ng/L							U	1
PFHpA	<0.80	1.60	ng/L							U	1
PFOA	0.47	1.60	ng/L							J	1
PFNA	<0.80	1.60	ng/L							U	1
PFDA	<0.80	1.60	ng/L							U	1
PFUnA	<0.80	1.60	ng/L							U	1
PFDoA	<0.80	1.60	ng/L							U	1
PFTrDA	<0.80	1.60	ng/L							U	1
PFTeDA	<0.80	1.60	ng/L							U	1
PFBS	<0.71	1.42	ng/L							U	1
PFPeS	<0.76	1.51	ng/L							U	1
PFHxS	<0.73	1.46	ng/L							U	1
PFHpS	<0.76	1.52	ng/L							U	1
PFOS	0.75	1.86	ng/L							J	1
PFNS	<0.77	1.54	ng/L							U	1
PFDS	<0.77	1.54	ng/L							U	1
PFDoS	<0.78	1.55	ng/L							U	1
4:2FTS	<3.00	6.00	ng/L							U	1
6:2FTS	<3.04	6.08	ng/L							U	1
8:2FTS	<3.07	6.14	ng/L							U	1
PFOSA	<0.80	1.60	ng/L							U	1
NMeFOSA	<0.80	1.60	ng/L							U	1
NEtFOSA	<0.80	1.60	ng/L							U	1
NMeFOSAA	<0.80	1.60	ng/L							U	1
NEtFOSAA	<0.80	1.60	ng/L							U	1
NMeFOSE	<8.00	16.0	ng/L							U	1
NEtFOSE	<8.00	16.0	ng/L							U	1
HFPO-DA	<1.60	3.20	ng/L							U	1
ADONA	<1.51	3.02	ng/L							U	1
9CL-PF3ONS	<1.50	2.99	ng/L							U	1
11CL-PF3OUdS	<1.51	3.02	ng/L							U	1
3:3FTCA	<3.20	6.40	ng/L							U	1
5:3FTCA	<16.0	32.0	ng/L							U	1
7:3FTCA	<16.0	32.0	ng/L							U	1
PFEESA	<1.42	2.85	ng/L							U	1
PFMPA	<1.60	3.20	ng/L							U	1
PFMBA	<1.60	3.20	ng/L							U	1
NFDHA	<1.60	3.20	ng/L							U	1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-BLK1), Blank (Continued)				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 20:57*				
Surrogate: 13C4-PFBA	*44.2*		*ng/L*	*100*		*44*	*20-150*				*1*
Surrogate: 13C5-PFPeA	*46.0*		*ng/L*	*50.0*		*92*	*20-150*				*1*
Surrogate: 13C5-PFHxA	*22.6*		*ng/L*	*25.0*		*90*	*20-150*				*1*
Surrogate: 13C4-PFHpA	*24.1*		*ng/L*	*25.0*		*96*	*20-150*				*1*
Surrogate: 13C8-PFOA	*23.0*		*ng/L*	*25.0*		*92*	*20-150*				*1*
Surrogate: 13C9-PFNA	*11.7*		*ng/L*	*12.5*		*94*	*20-150*				*1*
Surrogate: 13C6-PFDA	*12.2*		*ng/L*	*12.5*		*98*	*20-150*				*1*
Surrogate: 13C7-PFUnA	*12.3*		*ng/L*	*12.5*		*98*	*20-150*				*1*
Surrogate: 13C2-PFDoA	*12.5*		*ng/L*	*12.5*		*100*	*20-150*				*1*
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.3*		*ng/L*	*12.5*		*83*	*20-150*				*1*
Surrogate: 13C2-PFTeDA	*8.57*		*ng/L*	*12.5*		*69*	*20-150*				*1*
Surrogate: 13C3-PFBS	*21.8*		*ng/L*	*25.0*		*87*	*20-150*				*1*
Surrogate: 13C3-PFHxS	*22.7*		*ng/L*	*25.0*		*91*	*20-150*				*1*
Surrogate: 13C8-PFOS	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				*1*
Surrogate: 13C2-4:2FTS	*60.0*		*ng/L*	*50.0*		*120*	*20-150*				*1*
Surrogate: 13C2-6:2FTS	*56.1*		*ng/L*	*50.0*		*112*	*20-150*				*1*
Surrogate: 13C2-8:2FTS	*51.9*		*ng/L*	*50.0*		*104*	*20-150*				*1*
Surrogate: 13C8-PFOSA	*25.0*		*ng/L*	*25.0*		*100*	*20-150*				*1*
Surrogate: D3-NMeFOSA	*24.5*		*ng/L*	*25.0*		*98*	*20-150*				*1*
Surrogate: D5-NEtFOSA	*23.8*		*ng/L*	*25.0*		*95*	*20-150*				*1*
Surrogate: D3-NMeFOSAA	*51.6*		*ng/L*	*50.0*		*103*	*20-150*				*1*
Surrogate: D5-NEtFOSAA	*50.9*		*ng/L*	*50.0*		*102*	*20-150*				*1*
Surrogate: D7-NMeFOSE	*140*		*ng/L*	*250*		*56*	*20-150*				*1*
Surrogate: D9-NEtFOSE	*222*		*ng/L*	*250*		*89*	*20-150*				*1*
Surrogate: 13C3-HFPO-DA	*97.1*		*ng/L*	*100*		*97*	*20-150*				*1*
(B25C0783-BS1), LLCS				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:14*				
PFBA	21.1	6.40	ng/L	20.0		106	40-150				1
PFPeA	10.0	3.20	ng/L	10.0		100	40-150				1
PFHxA	5.32	1.60	ng/L	5.00		106	40-150				1
PFHpA	5.05	1.60	ng/L	5.00		101	40-150				1
PFOA	5.35	1.60	ng/L	5.00		107	40-150				1
PFNA	4.93	1.60	ng/L	5.00		99	40-150				1
PFDA	5.02	1.60	ng/L	5.00		100	40-150				1
PFUnA	4.84	1.60	ng/L	5.00		97	40-150				1
PFDoA	5.14	1.60	ng/L	5.00		103	40-150				1
PFTrDA	5.61	1.60	ng/L	5.00		112	40-150				1
PFTeDA	5.58	1.60	ng/L	5.00		112	40-150				1
PFBS	4.70	1.42	ng/L	4.42		106	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-BS1), LLCS (Continued)				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:14*				
PFPeS	5.02	1.51	ng/L	4.70		107	40-150				1
PFHxS	5.20	1.46	ng/L	4.58		114	40-150				1
PFHpS	5.47	1.52	ng/L	4.78		115	40-150				1
PFOS	5.89	1.86	ng/L	4.65		127	40-150				1
PFNS	5.68	1.54	ng/L	4.80		118	40-150				1
PFDS	5.45	1.54	ng/L	4.82		113	40-150				1
PFDoS	4.39	1.55	ng/L	4.85		91	40-150				1
4:2FTS	20.1	6.00	ng/L	18.8		107	40-150				1
6:2FTS	20.3	6.08	ng/L	19.0		107	40-150				1
8:2FTS	20.4	6.14	ng/L	19.2		106	40-150				1
PFOSA	5.20	1.60	ng/L	5.00		104	40-150				1
NMeFOSA	5.30	1.60	ng/L	5.00		106	40-150				1
NEtFOSA	4.75	1.60	ng/L	5.00		95	40-150				1
NMeFOSAA	5.63	1.60	ng/L	5.00		113	40-150				1
NEtFOSAA	4.77	1.60	ng/L	5.00		95	40-150				1
NMeFOSE	60.6	16.0	ng/L	50.0		121	40-150				1
NEtFOSE	52.3	16.0	ng/L	50.0		105	40-150				1
HFPO-DA	10.8	3.20	ng/L	10.0		108	40-150				1
ADONA	9.96	3.02	ng/L	9.45		105	40-150				1
9CL-PF3ONS	10.3	2.99	ng/L	9.35		110	40-150				1
11CL-PF3OUdS	10.5	3.02	ng/L	9.45		111	40-150				1
3:3FTCA	13.3	6.40	ng/L	20.0		67	40-150				1
5:3FTCA	96.0	32.0	ng/L	100		96	40-150				1
7:3FTCA	105	32.0	ng/L	100		105	40-150				1
PFEESA	9.99	2.85	ng/L	8.90		112	40-150				1
PFMPA	8.12	3.20	ng/L	10.0		81	40-150				1
PFMBA	10.2	3.20	ng/L	10.0		102	40-150				1
NFDHA	11.8	3.20	ng/L	10.0		118	40-150				1
Surrogate: 13C4-PFBA	*43.1*		*ng/L*	*100*		*43*	*20-150*				1
Surrogate: 13C5-PFPeA	*48.9*		*ng/L*	*50.0*		*98*	*20-150*				1
Surrogate: 13C5-PFHxA	*23.5*		*ng/L*	*25.0*		*94*	*20-150*				1
Surrogate: 13C4-PFHpA	*26.0*		*ng/L*	*25.0*		*104*	*20-150*				1
Surrogate: 13C8-PFOA	*24.0*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: 13C9-PFNA	*12.4*		*ng/L*	*12.5*		*99*	*20-150*				1
Surrogate: 13C6-PFDA	*12.7*		*ng/L*	*12.5*		*101*	*20-150*				1
Surrogate: 13C7-PFUnA	*12.5*		*ng/L*	*12.5*		*100*	*20-150*				1
Surrogate: 13C2-PFDoA	*12.1*		*ng/L*	*12.5*		*97*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.5*		*ng/L*	*12.5*		*84*	*20-150*				1
Surrogate: 13C2-PFTeDA	*9.24*		*ng/L*	*12.5*		*74*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-BS1), LLCS (Continued)				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:14*				
Surrogate: 13C3-PFBS	*23.3*		*ng/L*	*25.0*		*93*	*20-150*				1
Surrogate: 13C3-PFHxS	*23.3*		*ng/L*	*25.0*		*93*	*20-150*				1
Surrogate: 13C8-PFOS	*22.4*		*ng/L*	*25.0*		*90*	*20-150*				1
Surrogate: 13C2-4:2FTS	*59.3*		*ng/L*	*50.0*		*119*	*20-150*				1
Surrogate: 13C2-6:2FTS	*58.4*		*ng/L*	*50.0*		*117*	*20-150*				1
Surrogate: 13C2-8:2FTS	*49.9*		*ng/L*	*50.0*		*100*	*20-150*				1
Surrogate: 13C8-PFOSA	*22.6*		*ng/L*	*25.0*		*90*	*20-150*				1
Surrogate: D3-NMeFOSA	*22.2*		*ng/L*	*25.0*		*89*	*20-150*				1
Surrogate: D5-NEtFOSA	*22.3*		*ng/L*	*25.0*		*89*	*20-150*				1
Surrogate: D3-NMeFOSAA	*49.4*		*ng/L*	*50.0*		*99*	*20-150*				1
Surrogate: D5-NEtFOSAA	*51.3*		*ng/L*	*50.0*		*103*	*20-150*				1
Surrogate: D7-NMeFOSE	*135*		*ng/L*	*250*		*54*	*20-150*				1
Surrogate: D9-NEtFOSE	*211*		*ng/L*	*250*		*84*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*102*		*ng/L*	*100*		*102*	*20-150*				1
(B25C0783-BS2), HLCS				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:32*				
PFBA	210	6.40	ng/L	200		105	40-150				1
PFPeA	103	3.20	ng/L	100		103	40-150				1
PFHxA	54.9	1.60	ng/L	50.0		110	40-150				1
PFHpA	54.1	1.60	ng/L	50.0		108	40-150				1
PFOA	52.5	1.60	ng/L	50.0		105	40-150				1
PFNA	54.6	1.60	ng/L	50.0		109	40-150				1
PFDA	56.4	1.60	ng/L	50.0		113	40-150				1
PFUnA	57.3	1.60	ng/L	50.0		115	40-150				1
PFDoA	53.9	1.60	ng/L	50.0		108	40-150				1
PFTrDA	59.7	1.60	ng/L	50.0		119	40-150				1
PFTeDA	59.6	1.60	ng/L	50.0		119	40-150				1
PFBS	50.9	1.42	ng/L	44.2		115	40-150				1
PFPeS	56.1	1.51	ng/L	47.0		119	40-150				1
PFHxS	54.7	1.46	ng/L	45.8		120	40-150				1
PFHpS	52.3	1.52	ng/L	47.8		109	40-150				1
PFOS	53.6	1.86	ng/L	46.5		115	40-150				1
PFNS	55.0	1.54	ng/L	48.0		115	40-150				1
PFDS	58.7	1.54	ng/L	48.2		122	40-150				1
PFDoS	46.7	1.55	ng/L	48.5		96	40-150				1
4:2FTS	206	6.00	ng/L	188		110	40-150				1
6:2FTS	209	6.08	ng/L	190		110	40-150				1
8:2FTS	211	6.14	ng/L	192		110	40-150				1
PFOSA	53.8	1.60	ng/L	50.0		108	40-150				1
NMeFOSA	52.9	1.60	ng/L	50.0		106	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-BS2), HLCS (Continued)				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:32*				
NEtFOSA	53.1	1.60	ng/L	50.0		106	40-150				1
NMeFOSAA	53.9	1.60	ng/L	50.0		108	40-150				1
NEtFOSAA	52.4	1.60	ng/L	50.0		105	40-150				1
NMeFOSE	648	16.0	ng/L	500		130	40-150				1
NEtFOSE	553	16.0	ng/L	500		111	40-150				1
HFPO-DA	110	3.20	ng/L	100		110	40-150				1
ADONA	95.9	3.02	ng/L	94.5		101	40-150				1
9CL-PF3ONS	94.2	2.99	ng/L	93.5		101	40-150				1
11CL-PF3OUdS	118	3.02	ng/L	94.5		124	40-150				1
3:3FTCA	133	6.40	ng/L	200		66	40-150				1
5:3FTCA	1,020	32.0	ng/L	1,000		102	40-150				1
7:3FTCA	1,020	32.0	ng/L	1,000		102	40-150				1
PFEESA	97.1	2.85	ng/L	89.0		109	40-150				1
PFMPA	72.2	3.20	ng/L	100		72	40-150				1
PFMBA	99.3	3.20	ng/L	100		99	40-150				1
NFDHA	122	3.20	ng/L	100		122	40-150				1
Surrogate: 13C4-PFBA	*33.7*		*ng/L*	*100*		*34*	*20-150*				1
Surrogate: 13C5-PFPeA	*46.1*		*ng/L*	*50.0*		*92*	*20-150*				1
Surrogate: 13C5-PFHxA	*22.5*		*ng/L*	*25.0*		*90*	*20-150*				1
Surrogate: 13C4-PFHpA	*23.6*		*ng/L*	*25.0*		*94*	*20-150*				1
Surrogate: 13C8-PFOA	*23.6*		*ng/L*	*25.0*		*94*	*20-150*				1
Surrogate: 13C9-PFNA	*11.3*		*ng/L*	*12.5*		*91*	*20-150*				1
Surrogate: 13C6-PFDA	*12.7*		*ng/L*	*12.5*		*101*	*20-150*				1
Surrogate: 13C7-PFUnA	*11.8*		*ng/L*	*12.5*		*95*	*20-150*				1
Surrogate: 13C2-PFDoA	*13.1*		*ng/L*	*12.5*		*105*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*11.5*		*ng/L*	*12.5*		*92*	*20-150*				1
Surrogate: 13C2-PFTeDA	*10.2*		*ng/L*	*12.5*		*82*	*20-150*				1
Surrogate: 13C3-PFBS	*22.6*		*ng/L*	*25.0*		*90*	*20-150*				1
Surrogate: 13C3-PFHxS	*22.7*		*ng/L*	*25.0*		*91*	*20-150*				1
Surrogate: 13C8-PFOS	*22.6*		*ng/L*	*25.0*		*91*	*20-150*				1
Surrogate: 13C2-4:2FTS	*53.5*		*ng/L*	*50.0*		*107*	*20-150*				1
Surrogate: 13C2-6:2FTS	*53.6*		*ng/L*	*50.0*		*107*	*20-150*				1
Surrogate: 13C2-8:2FTS	*49.3*		*ng/L*	*50.0*		*99*	*20-150*				1
Surrogate: 13C8-PFOSA	*23.7*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: D3-NMeFOSA	*22.7*		*ng/L*	*25.0*		*91*	*20-150*				1
Surrogate: D5-NEtFOSA	*22.6*		*ng/L*	*25.0*		*90*	*20-150*				1
Surrogate: D3-NMeFOSAA	*48.0*		*ng/L*	*50.0*		*96*	*20-150*				1
Surrogate: D5-NEtFOSAA	*45.0*		*ng/L*	*50.0*		*90*	*20-150*				1
Surrogate: D7-NMeFOSE	*137*		*ng/L*	*250*		*55*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-BS2), HLCS (Continued)				*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:32*				
Surrogate: D9-NEtFOSE	*220*		*ng/L*	*250*		*88*	*20-150*				*1*
Surrogate: 13C3-HFPO-DA	*96.0*		*ng/L*	*100*		*96*	*20-150*				*1*
(B25C0783-MS1), Matrix Spike		**Source: O25C0550-10**		*Prepared: 03/14/2025 11:13*			*Analyzed: 03/18/2025 21:49*				
PFBA	80.0	6.25	ng/L	78.1	4.61	97	40-150				1
PFPeA	44.8	3.12	ng/L	39.0	6.70	98	40-150				1
PFHxA	25.5	1.56	ng/L	19.5	4.98	105	40-150				1
PFHpA	20.2	1.56	ng/L	19.5	2.36	91	40-150				1
PFOA	24.4	1.56	ng/L	19.5	4.96	99	40-150				1
PFNA	19.0	1.56	ng/L	19.5	ND	97	40-150				1
PFDA	19.6	1.56	ng/L	19.5	ND	100	40-150				1
PFUnA	18.7	1.56	ng/L	19.5	ND	96	40-150				1
PFDoA	20.8	1.56	ng/L	19.5	ND	106	40-150				1
PFTrDA	20.9	1.56	ng/L	19.5	ND	107	40-150				1
PFTeDA	22.3	1.56	ng/L	19.5	ND	114	40-150				1
PFBS	28.1	1.39	ng/L	17.3	9.07	110	40-150				1
PFPeS	20.4	1.47	ng/L	18.3	0.37	109	40-150				1
PFHxS	20.4	1.42	ng/L	17.9	1.43	106	40-150				1
PFHpS	19.5	1.48	ng/L	18.6	ND	105	40-150				1
PFOS	18.3	1.82	ng/L	18.2	0.97	96	40-150				1
PFNS	19.9	1.50	ng/L	18.7	ND	106	40-150				1
PFDS	19.9	1.50	ng/L	18.8	ND	106	40-150				1
PFDoS	17.1	1.51	ng/L	18.9	ND	90	40-150				1
4:2FTS	76.8	5.86	ng/L	73.2	ND	105	40-150				1
6:2FTS	72.5	5.93	ng/L	74.2	ND	98	40-150				1
8:2FTS	78.7	5.99	ng/L	75.0	ND	105	40-150				1
PFOSA	19.3	1.56	ng/L	19.5	ND	99	40-150				1
NMeFOSA	18.2	1.56	ng/L	19.5	ND	93	40-150				1
NEtFOSA	18.9	1.56	ng/L	19.5	ND	97	40-150				1
NMeFOSAA	18.2	1.56	ng/L	19.5	ND	93	40-150				1
NEtFOSAA	18.7	1.56	ng/L	19.5	ND	96	40-150				1
NMeFOSE	229	15.6	ng/L	195	ND	117	40-150				1
NEtFOSE	201	15.6	ng/L	195	ND	103	40-150				1
HFPO-DA	41.0	3.12	ng/L	39.0	ND	105	40-150				1
ADONA	34.0	2.95	ng/L	36.9	ND	92	40-150				1
9CL-PF3ONS	36.8	2.92	ng/L	36.5	ND	101	40-150				1
11CL-PF3OUdS	39.8	2.95	ng/L	36.9	ND	108	40-150				1
3:3FTCA	69.2	6.25	ng/L	78.1	ND	89	40-150				1
5:3FTCA	356	31.2	ng/L	390	ND	91	40-150				1
7:3FTCA	374	31.2	ng/L	390	ND	96	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-MS1), Matrix Spike (Continued)			**Source: O25C0550-10**		*Prepared: 03/14/2025 11:13*		*Analyzed: 03/18/2025 21:49*				
PFEESA	36.2	2.78	ng/L	34.7	ND	104	40-150				1
PFMPA	36.5	3.12	ng/L	39.0	ND	93	40-150				1
PFMBA	37.4	3.12	ng/L	39.0	ND	96	40-150				1
NFDHA	45.1	3.12	ng/L	39.0	ND	116	40-150				1
Surrogate: 13C4-PFBA	*94.8*		*ng/L*	*97.6*		*97*	*20-150*				1
Surrogate: 13C5-PFPeA	*46.9*		*ng/L*	*48.8*		*96*	*20-150*				1
Surrogate: 13C5-PFHxA	*22.3*		*ng/L*	*24.4*		*91*	*20-150*				1
Surrogate: 13C4-PFHpA	*25.3*		*ng/L*	*24.4*		*104*	*20-150*				1
Surrogate: 13C8-PFOA	*23.4*		*ng/L*	*24.4*		*96*	*20-150*				1
Surrogate: 13C9-PFNA	*11.5*		*ng/L*	*12.2*		*94*	*20-150*				1
Surrogate: 13C6-PFDA	*12.1*		*ng/L*	*12.2*		*99*	*20-150*				1
Surrogate: 13C7-PFUnA	*11.6*		*ng/L*	*12.2*		*95*	*20-150*				1
Surrogate: 13C2-PFDoA	*11.4*		*ng/L*	*12.2*		*93*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*9.91*		*ng/L*	*12.2*		*81*	*20-150*				1
Surrogate: 13C2-PFTeDA	*8.70*		*ng/L*	*12.2*		*71*	*20-150*				1
Surrogate: 13C3-PFBS	*23.0*		*ng/L*	*24.4*		*94*	*20-150*				1
Surrogate: 13C3-PFHxS	*22.4*		*ng/L*	*24.4*		*92*	*20-150*				1
Surrogate: 13C8-PFOS	*23.7*		*ng/L*	*24.4*		*97*	*20-150*				1
Surrogate: 13C2-4:2FTS	*59.6*		*ng/L*	*48.8*		*122*	*20-150*				1
Surrogate: 13C2-6:2FTS	*56.4*		*ng/L*	*48.8*		*116*	*20-150*				1
Surrogate: 13C2-8:2FTS	*47.8*		*ng/L*	*48.8*		*98*	*20-150*				1
Surrogate: 13C8-PFOSA	*24.1*		*ng/L*	*24.4*		*99*	*20-150*				1
Surrogate: D3-NMeFOSA	*22.7*		*ng/L*	*24.4*		*93*	*20-150*				1
Surrogate: D5-NEtFOSA	*21.7*		*ng/L*	*24.4*		*89*	*20-150*				1
Surrogate: D3-NMeFOSAA	*48.3*		*ng/L*	*48.8*		*99*	*20-150*				1
Surrogate: D5-NEtFOSAA	*48.6*		*ng/L*	*48.8*		*100*	*20-150*				1
Surrogate: D7-NMeFOSE	*144*		*ng/L*	*244*		*59*	*20-150*				1
Surrogate: D9-NEtFOSE	*236*		*ng/L*	*244*		*97*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*92.4*		*ng/L*	*97.6*		*95*	*20-150*				1
(B25C0783-MSD1), Matrix Spike Dup			**Source: O25C0550-10**		*Prepared: 03/14/2025 11:13*		*Analyzed: 03/18/2025 22:05*				
PFBA	81.2	6.24	ng/L	78.0	4.61	98	40-150	1	30		1
PFPeA	44.9	3.12	ng/L	39.0	6.70	98	40-150	0.2	30		1
PFHxA	25.3	1.56	ng/L	19.5	4.98	104	40-150	0.6	30		1
PFHpA	20.7	1.56	ng/L	19.5	2.36	94	40-150	3	30		1
PFOA	23.7	1.56	ng/L	19.5	4.96	96	40-150	3	30		1
PFNA	18.6	1.56	ng/L	19.5	ND	95	40-150	2	30		1
PFDA	20.5	1.56	ng/L	19.5	ND	105	40-150	5	30		1
PFUnA	20.2	1.56	ng/L	19.5	ND	103	40-150	7	30		1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-MSD1), Matrix Spike Dup (Continue				**Source: O25C0550-10**	*Prepared: 03/14/2025 11:13*		*Analyzed: 03/18/2025 22:05*				
PFDoA	19.8	1.56	ng/L	19.5	ND	102	40-150	5	30		1
PFTrDA	21.9	1.56	ng/L	19.5	ND	112	40-150	5	30		1
PFTeDA	22.4	1.56	ng/L	19.5	ND	115	40-150	0.2	30		1
PFBS	29.3	1.38	ng/L	17.3	9.07	117	40-150	4	30		1
PFPeS	19.6	1.47	ng/L	18.3	0.37	105	40-150	4	30		1
PFHxS	20.0	1.42	ng/L	17.8	1.43	104	40-150	2	30		1
PFHpS	18.5	1.48	ng/L	18.6	ND	99	40-150	5	30		1
PFOS	18.8	1.81	ng/L	18.1	0.97	98	40-150	2	30		1
PFNS	19.7	1.50	ng/L	18.7	ND	105	40-150	1	30		1
PFDS	19.7	1.50	ng/L	18.8	ND	105	40-150	1	30		1
PFDoS	16.3	1.51	ng/L	18.9	ND	86	40-150	5	30		1
4:2FTS	73.3	5.85	ng/L	73.1	ND	100	40-150	5	30		1
6:2FTS	64.8	5.93	ng/L	74.1	ND	87	40-150	11	30		1
8:2FTS	67.8	5.98	ng/L	74.9	ND	91	40-150	15	30		1
PFOSA	19.8	1.56	ng/L	19.5	ND	102	40-150	3	30		1
NMeFOSA	19.2	1.56	ng/L	19.5	ND	98	40-150	5	30		1
NEtFOSA	19.7	1.56	ng/L	19.5	ND	101	40-150	4	30		1
NMeFOSAA	18.9	1.56	ng/L	19.5	ND	97	40-150	4	30		1
NEtFOSAA	19.6	1.56	ng/L	19.5	ND	101	40-150	5	30		1
NMeFOSE	243	15.6	ng/L	195	ND	125	40-150	6	30		1
NEtFOSE	196	15.6	ng/L	195	ND	100	40-150	2	30		1
HFPO-DA	39.8	3.12	ng/L	39.0	ND	102	40-150	3	30		1
ADONA	33.6	2.94	ng/L	36.8	ND	91	40-150	1	30		1
9CL-PF3ONS	33.9	2.91	ng/L	36.5	ND	93	40-150	8	30		1
11CL-PF3OUdS	35.7	2.94	ng/L	36.8	ND	97	40-150	11	30		1
3:3FTCA	66.4	6.24	ng/L	78.0	ND	85	40-150	4	30		1
5:3FTCA	330	31.2	ng/L	390	ND	85	40-150	8	30		1
7:3FTCA	365	31.2	ng/L	390	ND	94	40-150	2	30		1
PFEESA	36.0	2.78	ng/L	34.7	ND	104	40-150	0.6	30		1
PFMPA	35.0	3.12	ng/L	39.0	ND	90	40-150	4	30		1
PFMBA	37.9	3.12	ng/L	39.0	ND	97	40-150	1	30		1
NFDHA	40.2	3.12	ng/L	39.0	ND	103	40-150	12	30		1
Surrogate: 13C4-PFBA	*74.7*		*ng/L*	*97.5*		*77*	*20-150*				1
Surrogate: 13C5-PFPeA	*47.0*		*ng/L*	*48.7*		*97*	*20-150*				1
Surrogate: 13C5-PFHxA	*22.6*		*ng/L*	*24.4*		*93*	*20-150*				1
Surrogate: 13C4-PFHpA	*23.9*		*ng/L*	*24.4*		*98*	*20-150*				1
Surrogate: 13C8-PFOA	*23.3*		*ng/L*	*24.4*		*96*	*20-150*				1
Surrogate: 13C9-PFNA	*11.7*		*ng/L*	*12.2*		*96*	*20-150*				1
Surrogate: 13C6-PFDA	*11.6*		*ng/L*	*12.2*		*95*	*20-150*				1
Surrogate: 13C7-PFUnA	*11.1*		*ng/L*	*12.2*		*91*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0550

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0783 *(Continued)*											
(B25C0783-MSD1), Matrix Spike Dup (Continue				**Source: O25C0550-10**		*Prepared: 03/14/2025 11:13*		*Analyzed: 03/18/2025 22:05*			
Surrogate: 13C2-PFDoA	*10.4*		*ng/L*	*12.2*		*85*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*9.42*		*ng/L*	*12.2*		*77*	*20-150*				1
Surrogate: 13C2-PFTeDA	*8.60*		*ng/L*	*12.2*		*71*	*20-150*				1
Surrogate: 13C3-PFBS	*22.8*		*ng/L*	*24.4*		*94*	*20-150*				1
Surrogate: 13C3-PFHxS	*22.7*		*ng/L*	*24.4*		*93*	*20-150*				1
Surrogate: 13C8-PFOS	*22.6*		*ng/L*	*24.4*		*93*	*20-150*				1
Surrogate: 13C2-4:2FTS	*60.8*		*ng/L*	*48.7*		*125*	*20-150*				1
Surrogate: 13C2-6:2FTS	*57.3*		*ng/L*	*48.7*		*118*	*20-150*				1
Surrogate: 13C2-8:2FTS	*49.7*		*ng/L*	*48.7*		*102*	*20-150*				1
Surrogate: 13C8-PFOSA	*22.9*		*ng/L*	*24.4*		*94*	*20-150*				1
Surrogate: D3-NMeFOSA	*19.2*		*ng/L*	*24.4*		*79*	*20-150*				1
Surrogate: D5-NEtFOSA	*20.3*		*ng/L*	*24.4*		*83*	*20-150*				1
Surrogate: D3-NMeFOSAA	*45.1*		*ng/L*	*48.7*		*93*	*20-150*				1
Surrogate: D5-NEtFOSAA	*46.7*		*ng/L*	*48.7*		*96*	*20-150*				1
Surrogate: D7-NMeFOSE	*140*		*ng/L*	*244*		*58*	*20-150*				1
Surrogate: D9-NEtFOSE	*224*		*ng/L*	*244*		*92*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*97.3*		*ng/L*	*97.5*		*100*	*20-150*				1

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Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
P	The quality control sample %RPD is above the laboratory control limit.
Q	One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
S	The quality control sample recovery is outside of the laboratory control limits.
U	Analyte included in the analysis, but not detected
%Rec	Percent Recovery

509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663
2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551
info@thesterlinglab.com

CHAIN OF CUSTODY RECORD

O25C0550
PM:Olga Karplyuk
CDM Federal Programs Corporation

Company: CDM Smith
Project Number: Client Tracking No.:
Project Name: 700 S 1600 E PCE Plume
Project Location: Salt Lake City, Utah
Sampler(s): Joe Borgerding, Lydia Lytle, Melissa Mitton, Ryan Panasy
Report To: Cherie Zakowski Phone: 1-720-264-1109
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 X e-mail: ZakowskiCA@cdmsmith.com

P.O. No.:
Quote No.:
Turn Around Time (Days): 1 2 3 4 5-7 (10)
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	PFAS (Method 1633)	Remarks	Lab No.:
MW03RA-GW03 12 25	3/12/25	1410	GW		X	A	3	X		
MW03RB-GW03 12 25	3/12/25	11:15	GW		X	A	3	X		
MW03RC-GW03 12 25	3/12/25	1354	GW		X	A	3	X		
~~MW03RD-GW03 25~~									~~3/12/25~~	
MW05R-GW03 11 25	3/11/25	1134	GW		X	A	3	X		
~~MW24-GW03 25~~									~~[illegible]~~	
MW29A-GW03 11 25	3/11/25	1714	GW		X	A	3	X		
~~MW29B-GW03 25~~										~~[illegible]~~
~~MW29C-GW03 25~~									~~[illegible]~~	
~~MW30C-GW03 25~~									~~[illegible]~~	
~~MW30RA-GW03 25~~									~~MS/MSD~~ JPB 3/12/25	
~~MW30RB-GW03 25~~									~~[illegible]~~	
~~FB01-GW03 25~~									~~[illegible]~~	
FD01-GW03 12 25	3/12/25	10:00	GW		X	A	3	X		
~~FD02-GW03 25~~									~~[illegible]~~	
~~EB01-GW03 25~~									~~[illegible]~~	

Relinquished by: (Signature) ~~Melissa Mitton~~ Date/Time: 3/12/24
Received by: (Signature) Anna Gatel Date/Time: 3-13-25 1011
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: O25C0550

Received on Ice: Yes [X] No [ ]
Temperature: 3.8 °C

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sterling labs
509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663
2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551
info@thesterlinglab.com

CHAIN OF CUSTODY RECORD

Nº: _____ Page : 2 of 2

Company: CDM Smith
Project Number: Client Tracking No.:
Project Name: 700 S 1600 E PCE Plume
Project Location: Salt Lake City, Utah
Sampler(s): Joe Borgerding, Lydia Lytle, Melissa Mitton, Ryan Pancasy
Report To: Cherie Zakowski Phone: 1-720-264-1109
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 X e-mail: ZakowskiCA@cdmsmith.com

P.O. No.:
Quote No.:
Turn Around Time (Days): 1 2 3 4 5-7 (10)
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	PFAS (Method 1633)	Remarks	Lab No.:
~~MW03RA-GW03 25~~									~~3/12/25~~	
~~MW03RB-GW03 25~~									~~~~	
~~MW03RC-GW03 25~~									~~~~	
~~MW03RD-GW03 25~~									~~~~	
MW05R-GW03 25									~~~~	
~~MW24-GW03 25~~									~~~~	
MW29A-GW03 25									~~~~	
MW29B-GW03 11 25	3/11/25	1451	GW		X	A	3	X		
MW29C-GW03 11 25	3/11/25	1745	GW		X	A	3	X		
~~MW30C-GW03 25~~									~~~~	
MW30RA-GW03 11 25	3/11/25	1542	GW		X	A	3	X	MS/MSD ~~~~	
MW30RB-GW03 11 25	3/11/25	1705	GW		X	A	9	X	MS/MSD	
~~FB01-GW03 25~~									~~~~	
~~FD01-GW03 25~~									~~~~	
~~FD02-GW03 25~~									~~~~	
~~EB01-GW03 25~~									~~~~	

Relinquished by: (Signature) Melissa Mitton Date/Time: 3/12/25
Received by: (Signature) Lena Patel Date/Time: 3-13-25 1011
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Laboratory Work Order No.: 25C0555

Received on Ice: Yes ☑ No ☐
Temperature: 3.3 °C

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

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Sample Receipt Checklist

Work Order: O25C0550

Printed: 3/13/2025 12:23:42PM

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Date Due: Thursday, March 27, 2025

Received By: Aana K. Patel
Logged In By: Aana K. Patel

Date Received: 3/13/2025 10:11:00AM
Date Logged In: 3/13/2025 12:22:00PM

Cooler Name: 2025-138

How were samples received: FedEx

Cooler temperature at of below 6 degrees Celsius: Yes

Chain of Custody present and properly completed : Yes

Turnaround Time is indicated and specified: Yes

Chain of Custody agrees with sample labels: Yes

Samples received within hold time: Yes

Proper sample containers received intact: Yes

Sufficient sample volume: Yes

Containers properly preserved: Yes

Custody seals present: Yes Intact? Yes

Volatile water vials received: No

Sample Receipt Comments

Work Order: O25C0550

The samples were received on 3/13/2025 10:11:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
1	3.3
2025-138	3.8

The samples were received in good condition and were properly preserved.

Samples going out of hold time within 24 hours:

Reviewed By: AKP Date: 03-13-25

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Sample Receipt Checklist

Work Order: O25C0550

Printed: 3/13/2025 12:23:42PM

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Date Due: Thursday, March 27, 2025

Received By: Aana K. Patel
Logged In By: Aana K. Patel

Date Received: 3/13/2025 10:11:00AM
Date Logged In: 3/13/2025 12:22:00PM

Cooler Name: 1

How were samples received: FedEx

Cooler temperature at of below 6 degrees Celsius: Yes

Chain of Custody present and properly completed : Yes

Turnaround Time is indicated and specified: Yes

Chain of Custody agrees with sample labels: Yes

Samples received within hold time: Yes

Proper sample containers received intact: Yes

Sufficient sample volume: Yes

Containers properly preserved: Yes

Custody seals present: Yes Intact? Yes

Volatile water vials received: No

Sample Receipt Comments

Work Order: O25C0550

The samples were received on 3/13/2025 10:11:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
1	3.3
2025-138	3.8

The samples were received in good condition and were properly preserved.

Samples going out of hold time within 24 hours:

Reviewed By: AKP Date: 03-13-25

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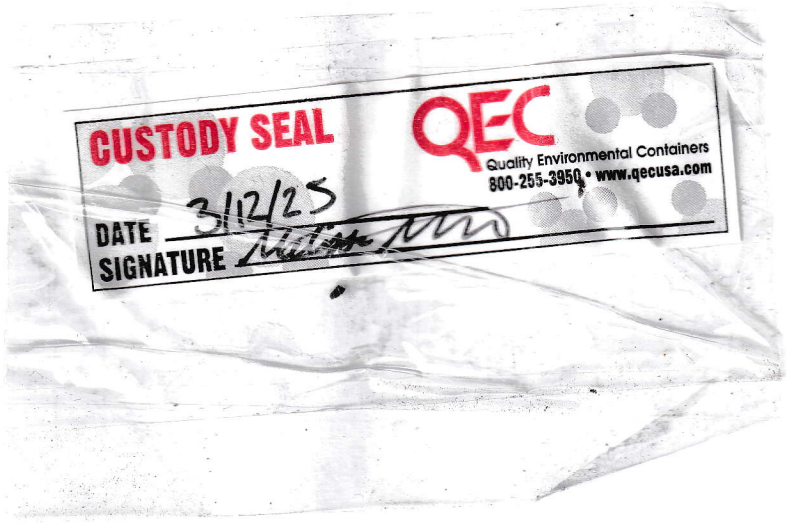
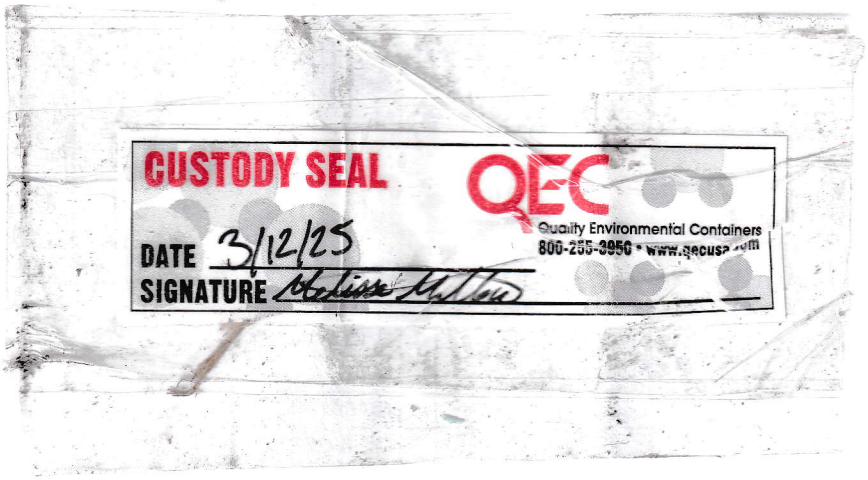
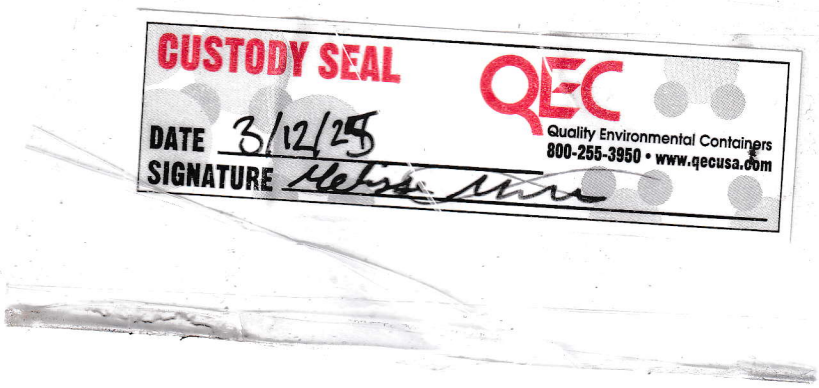
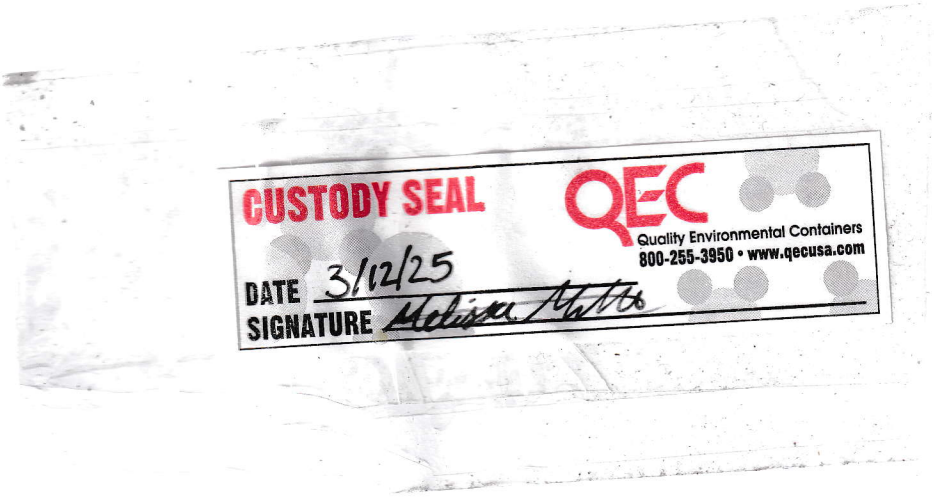




Cooler ID: 2025-138


CUSTODY SEAL
DATE 3/12/25
SIGNATURE
QEC
Quality Environmental Containers
800-255-3950 • www.qecusa.com


CUSTODY SEAL
DATE 3/12/25
SIGNATURE
QEC
Quality Environmental Containers
800-255-3950 • www.qecusa.com

Cooler ID - 1

Analysis Class: LC-MS-MS 1633

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW03RA-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-01	File ID:	PFAS2_250318A_025.d
Sampled:	03/12/25 14:10	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:21
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	491.9457 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	5.23	0.49	3.25	6.50	J
2706-90-3	PFPeA	4.13	0.14	1.63	3.25	
307-24-4	PFHxA	2.92	0.13	0.81	1.63	
375-85-9	PFHpA	1.37	0.16	0.81	1.63	J
335-67-1	PFOA	1.60	0.12	0.81	1.63	J
375-95-1	PFNA		0.09	0.81	1.63	U
335-76-2	PFDA		0.13	0.81	1.63	U
2058-94-8	PFUnA		0.19	0.81	1.63	U
307-55-1	PFDoA		0.11	0.81	1.63	U
72629-94-8	PFTrDA		0.07	0.81	1.63	U
376-06-7	PFTeDA		0.12	0.81	1.63	U
375-73-5	PFBS	6.56	0.19	0.72	1.44	
2706-91-4	PFPeS	0.43	0.21	0.77	1.53	J
355-46-4	PFHxS	2.27	0.23	0.74	1.48	
375-92-8	PFHpS		0.42	0.77	1.54	U
1763-23-1	PFOS	0.90	0.22	0.95	1.89	J
68259-12-1	PFNS		0.20	0.78	1.57	U
335-77-3	PFDS		0.14	0.78	1.57	U
79780-39-5	PFDoS		0.08	0.79	1.58	U
757124-72-4	4:2FTS		0.42	3.05	6.10	U
27619-97-2	6:2FTS		2.82	3.09	6.18	U
39108-34-4	8:2FTS		0.62	3.12	6.24	U
754-91-6	PFOSA		0.10	0.81	1.63	U
31506-32-8	NMeFOSA		0.26	0.81	1.63	U
4151-50-2	NEtFOSA		0.32	0.81	1.63	U
2355-31-9	NMeFOSAA		0.45	0.81	1.63	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW03RA-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-01	File ID:	PFAS2_250318A_025.d
Sampled:	03/12/25 14:10	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:21
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	491.9457 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.81	1.63	U, Q
24448-09-7	NMeFOSE		1.03	8.13	16.3	U
1691-99-2	NEtFOSE		1.28	8.13	16.3	U
13252-13-6	HFPO-DA		0.42	1.63	3.25	U
919005-14-4	ADONA		0.15	1.53	3.07	U
756426-58-1	9CL-PF3ONS		0.18	1.52	3.04	U
763051-92-9	11CL-PF3OUdS		0.32	1.53	3.07	U
356-02-5	3:3FTCA		0.67	3.25	6.50	U
914637-49-3	5:3FTCA		3.72	16.3	32.5	U
812-70-4	7:3FTCA		3.11	16.3	32.5	U
113507-82-7	PFEESA		0.17	1.45	2.90	U
377-73-1	PFMPA		0.11	1.63	3.25	U
863090-89-5	PFMBA		0.12	1.63	3.25	U
151772-58-6	NFDHA		0.46	1.63	3.25	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_025.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:21:27 PM
Sample Name	O25C0550-01	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

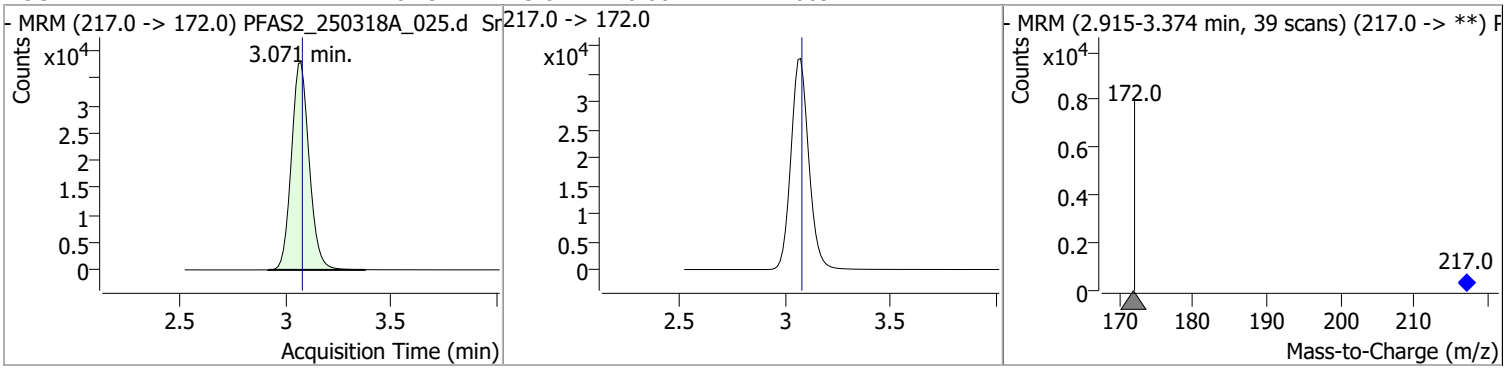
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	114835	5.0000	µg/L		-16.082
13C2-PFHxA	4.890	315.0 -> 270.0	130693	2.5000	µg/L		-14.816
18O2-PFHxS	5.955	403.0 -> 84.0	26354	2.5000	µg/L		-11.057
13C4-PFOA	5.823	417.0 -> 172.0	13790	2.5000	µg/L		-10.734
13C5-PFNA	6.214	468.0 -> 423.0	65862	1.2500	µg/L		-7.461
13C2-PFDA	6.603	515.0 -> 470.0	59424	1.2500	µg/L		-11.144
13C4-PFOS	6.771	503.0 -> 80.0	22384	2.5000	µg/L		-10.136
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	221609	10.0000	µg/L		-28.704
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 84.92%			
13C5-PFPeA	4.222	268.0 -> 223.0	181247	5.0000	µg/L		-12.406
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.84%			
13C5-PFPeA	4.222	268.0 -> 223.0	181247	5.0000	µg/L		-12.406
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.84%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29540	5.0000	µg/L	#	16.923
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.99%			
13C5-PFHxA	4.889	318.0 -> 273.0	145378	2.5000	µg/L		-13.898
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%			
13C5-PFHxA	4.889	318.0 -> 273.0	145378	2.5000	µg/L		-13.898
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%			
13C3-PFBS	4.929	302.0 -> 80.0	49122	2.5000	µg/L		-19.105
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.05%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	159567	10.0000	µg/L		-8.699
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 107.18%			
13C4-PFHpA	5.397	367.0 -> 322.0	167215	2.5000	µg/L		-11.473
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.96%			
13C3-PFHxS	5.956	402.0 -> 80.0	31125	2.5000	µg/L		-10.941
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.16%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15098	5.0000	µg/L	#	2.232
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.07%			
13C8-PFOA	5.823	421.0 -> 376.0	155810	2.5000	µg/L		-9.801
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.07%			
13C3-PFHxS	5.956	402.0 -> 80.0	31125	2.5000	µg/L		-10.941
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.16%			
13C9-PFNA	6.213	472.0 -> 427.0	66519	1.2500	µg/L		-5.599
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.97%			
13C8-PFOS	6.771	507.0 -> 80.0	22819	2.5000	µg/L		-9.747
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.47%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11025	5.0000	µg/L	#	-6.928
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.51%			
13C6-PFDA	6.603	519.0 -> 474.0	64298	1.2500	µg/L		-5.389
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.38%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	52403	5.0000	µg/L		-6.120
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.35%			
13C8-PFOS	6.771	507.0 -> 80.0	22819	2.5000	µg/L		-9.747

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.47%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	98992	5.0000	µg/L		134.748
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 261.10%		*	
13C7-PFUnDA	6.978	570.0 -> 525.0	52620	1.2500	µg/L		-1.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 110.46%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	36460	1.2500	µg/L		-17.352
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.86%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40376	1.2500	µg/L		1.078
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.77%			
13C2-PFTDA	8.092	715.0 -> 670.0	32545	1.2500	µg/L		-32.598
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 75.62%			
13C8-PFOSA	8.780	506.0 -> 78.0	30351	2.5000	µg/L		-17.884
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.19%			
2H7-MeFOSE	9.853	623.1 -> 59.0	61848	25.0000	µg/L		-50.775
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 54.82%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7660	2.5000	µg/L		-26.125
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.01%			
2H9-EtFOSE	10.197	639.1 -> 59.0	51177	25.0000	µg/L		-19.417
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.64%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8311	2.5000	µg/L		-26.064
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.28%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	8433	0.5145	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.107	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	12821	0.4064	µg/L	#	100
PFMBA	4.416	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.115	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.811	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	14931	0.2870	µg/L		100
PFBS	4.930	298.9 -> 80.0	13155	0.6454	µg/L		91
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	7349	0.1348	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	712	0.0423	µg/L		94
DONA	5.527	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	7483	0.1574	µg/L		89
PFHxS	5.957	398.9 -> 80.0	2700	0.2230	µg/L		97
PFNA	6.214	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.263	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.459	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.597	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.517	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.641	498.9 -> 80.0	531	0.0889	µg/L		28
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	6.980	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.356	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.645	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.569	663.0 -> 619.0	0	0.0000	µg/L	md	

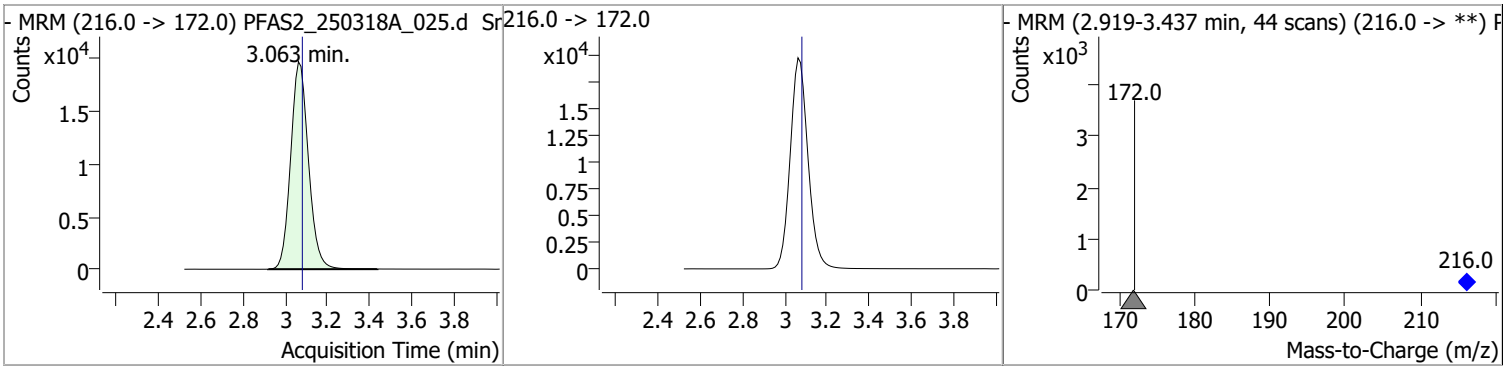
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	7.832	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	77	0.0000	µg/L		100
N-MeFOSA	10.123	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	66	0.0454	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

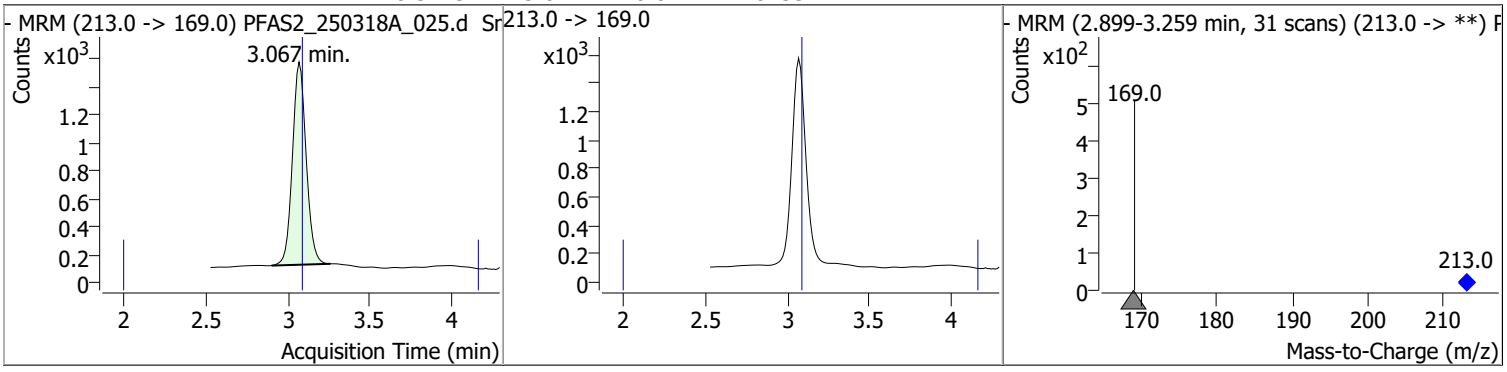
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.4921	3.07	0.00	221609				



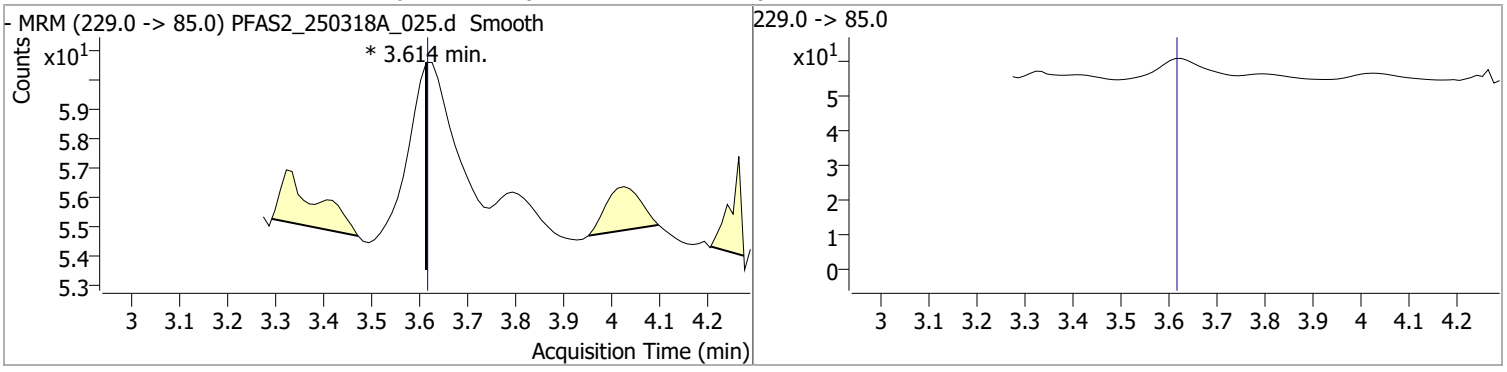
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	114835				



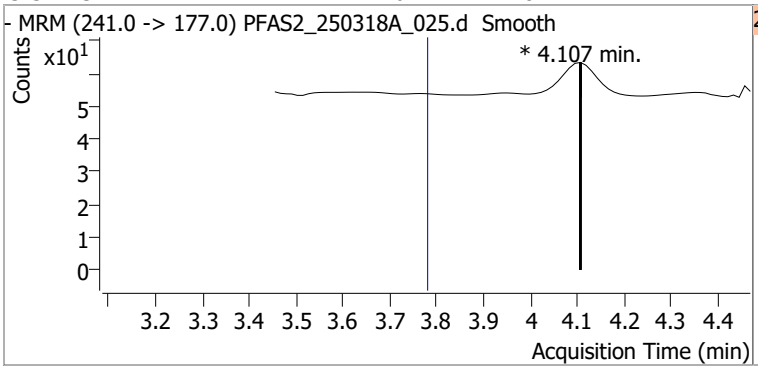
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.5145	3.07	-0.01	8433				

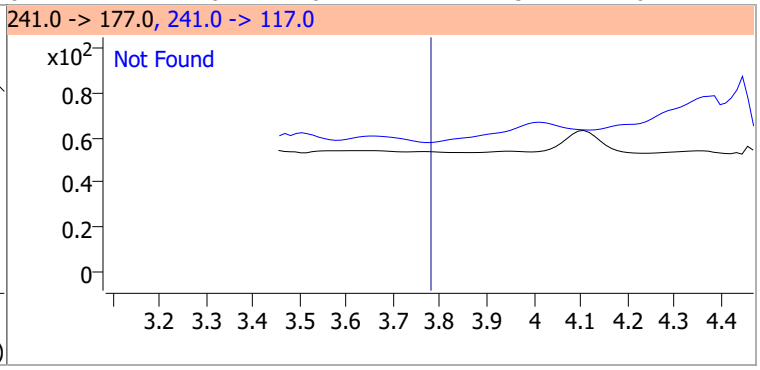


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

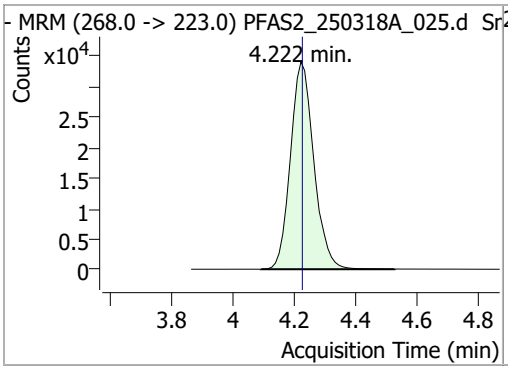


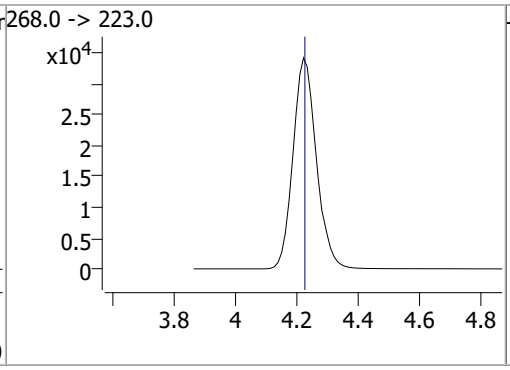
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

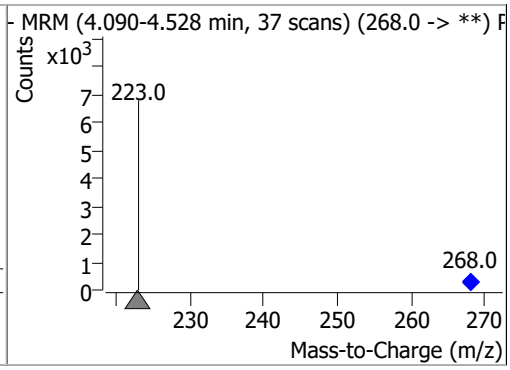




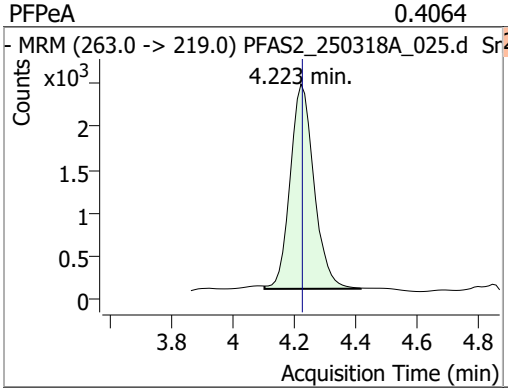
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1418	4.22	0.00	181247				

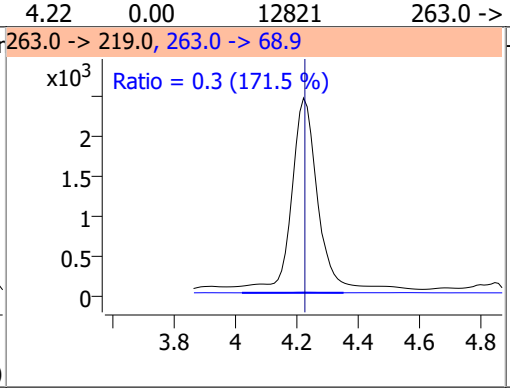


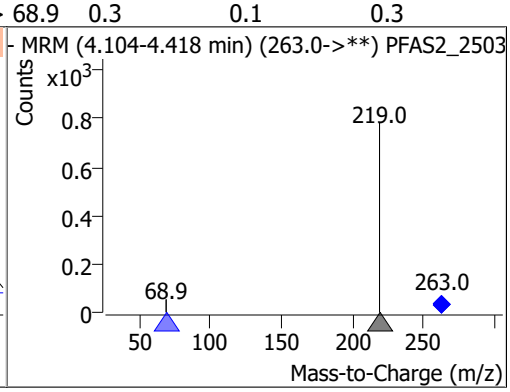




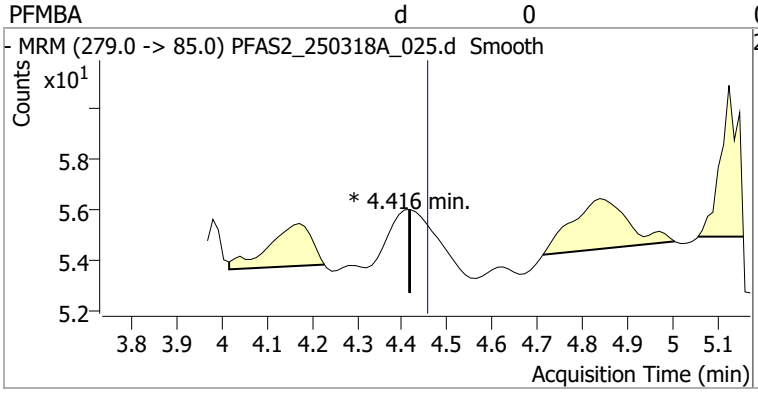
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4064	4.22	0.00	12821	263.0 -> 68.9	0.3	0.1	0.3

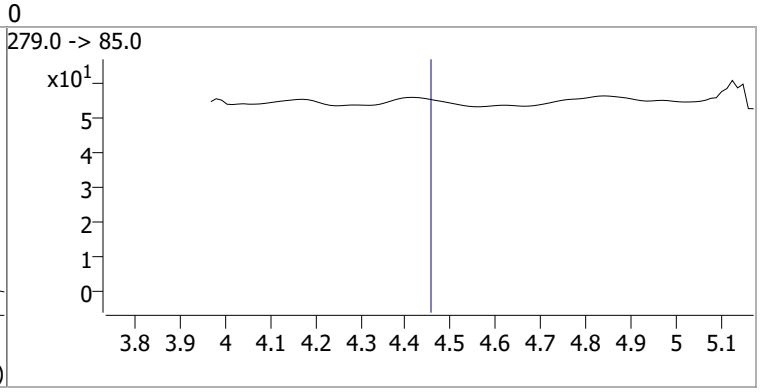




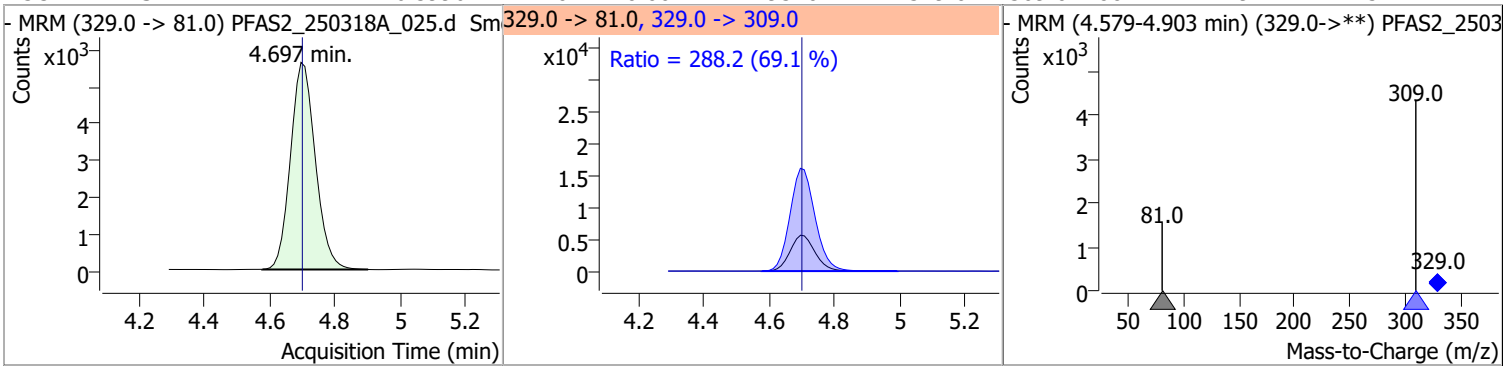


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

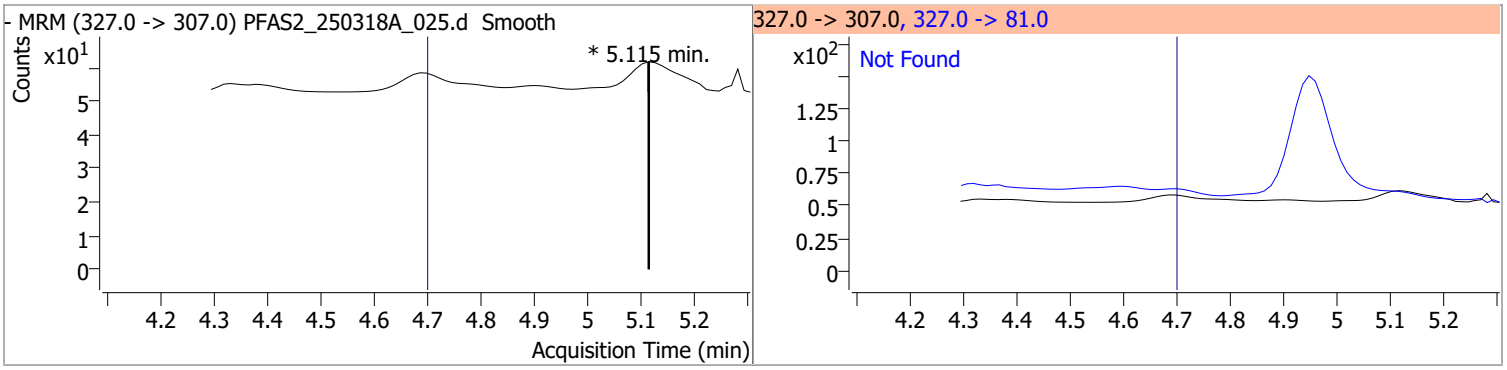




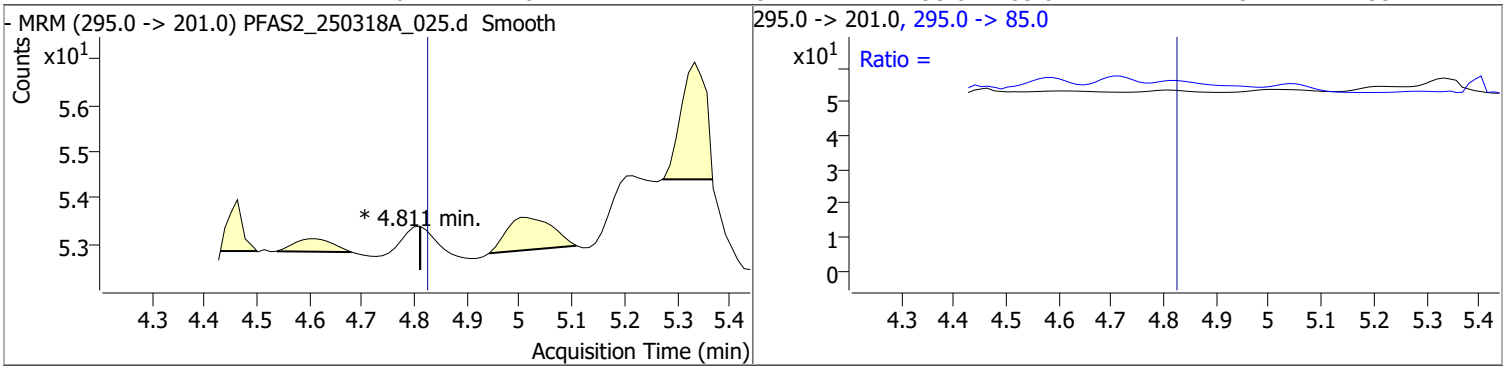
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5996	4.70	0.00	29540	329.0 -> 309.0	288.2	292.1	542.4



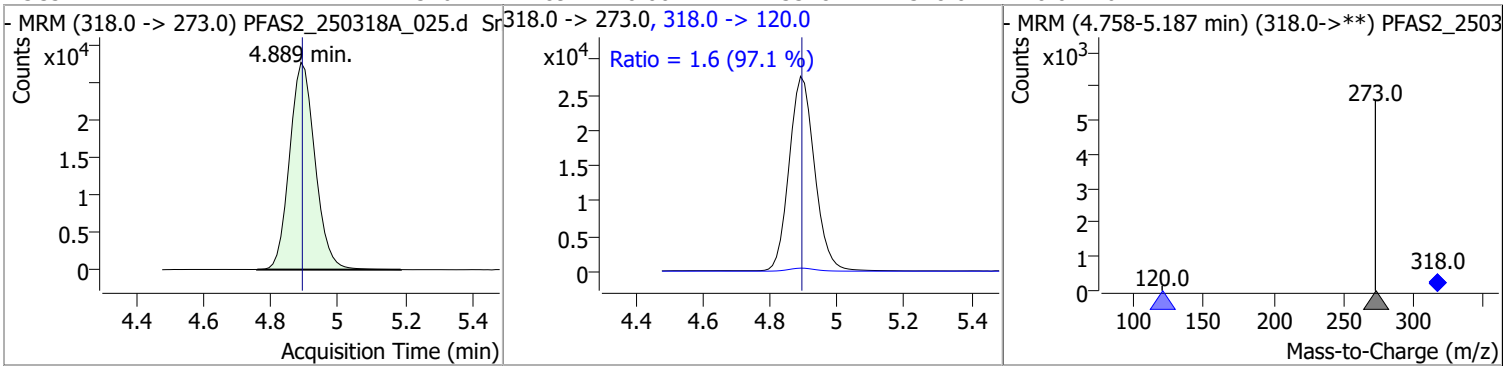
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



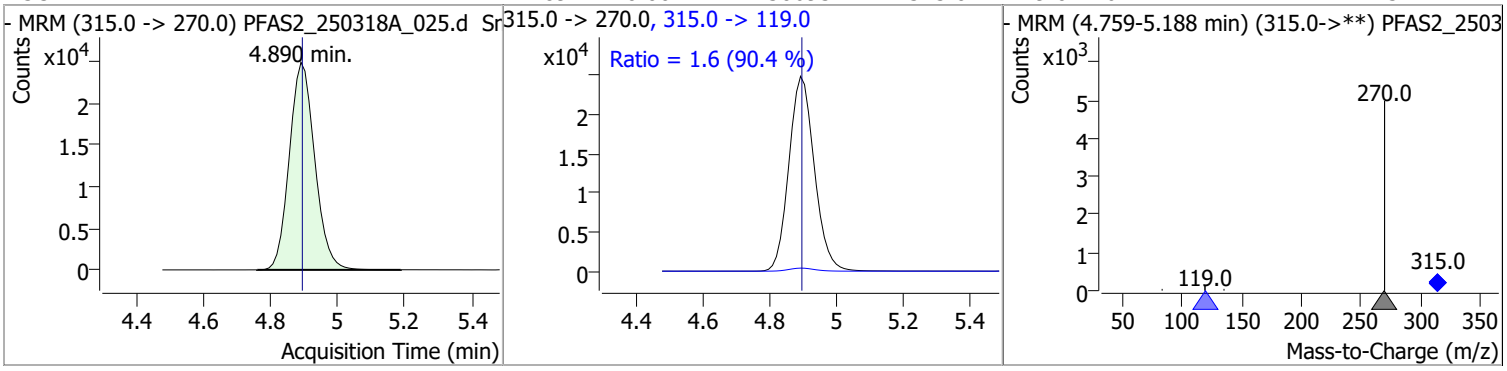
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



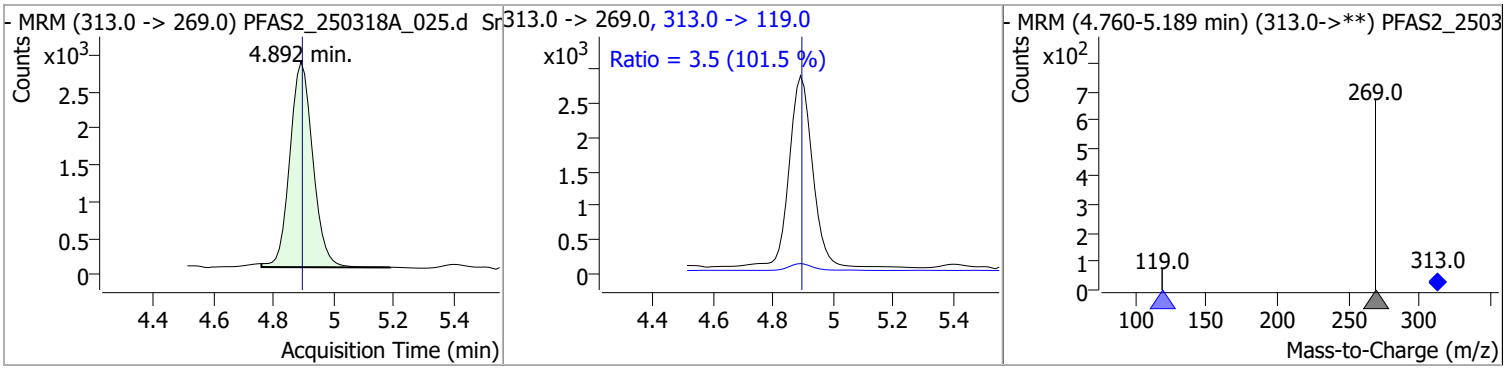
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5264	4.89	0.00	145378	318.0 -> 120.0	1.6	1.1	2.1



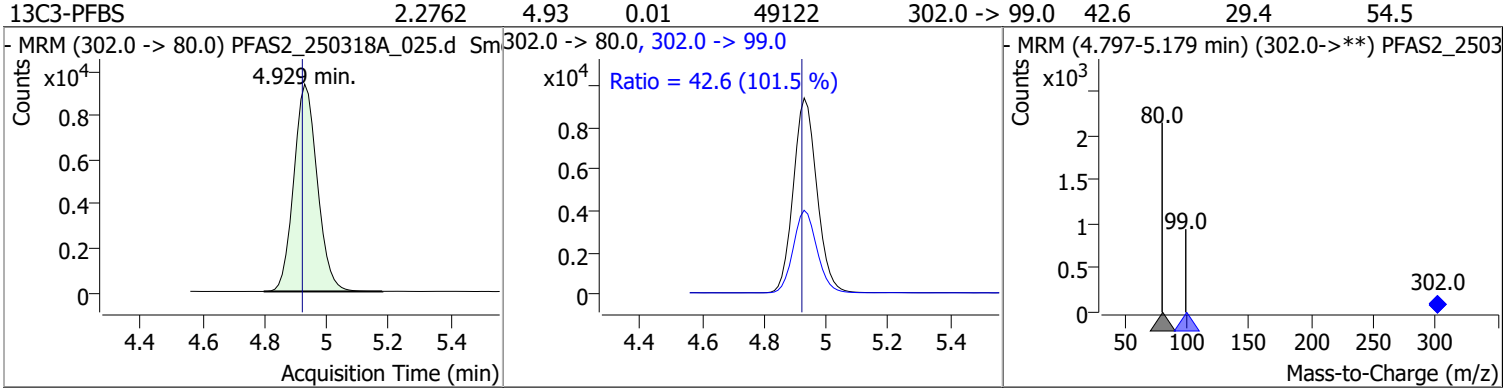
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	130693	315.0 -> 119.0	1.6	1.2	2.3



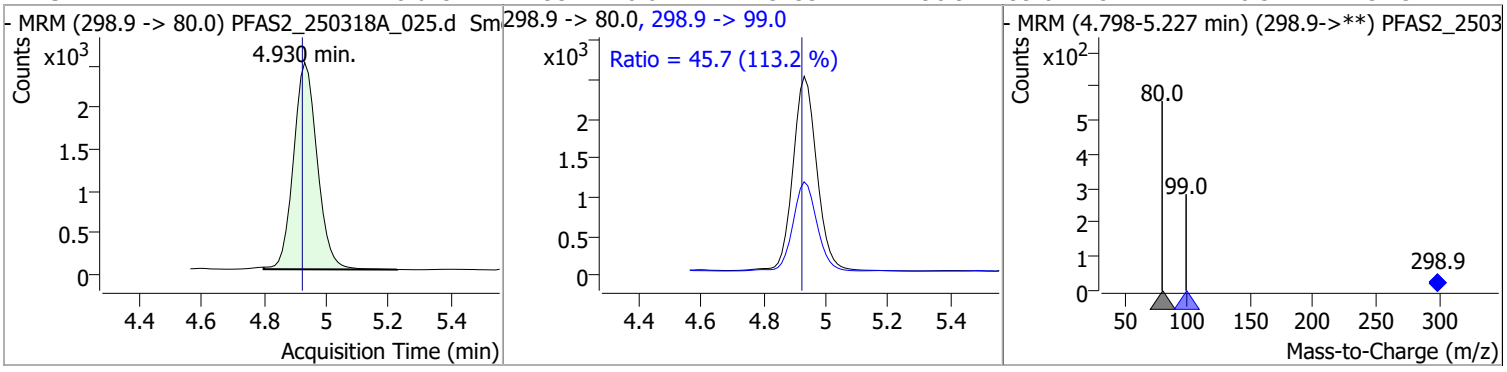
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2870	4.89	0.00	14931	313.0 -> 119.0	3.5	2.4	4.5



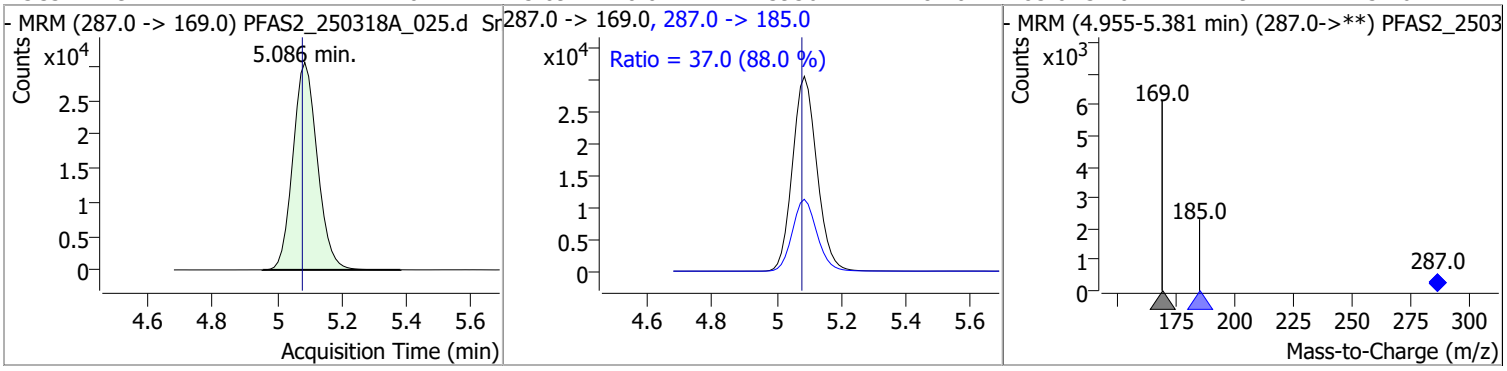
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2762	4.93	0.01	49122	302.0 -> 99.0	42.6	29.4	54.5



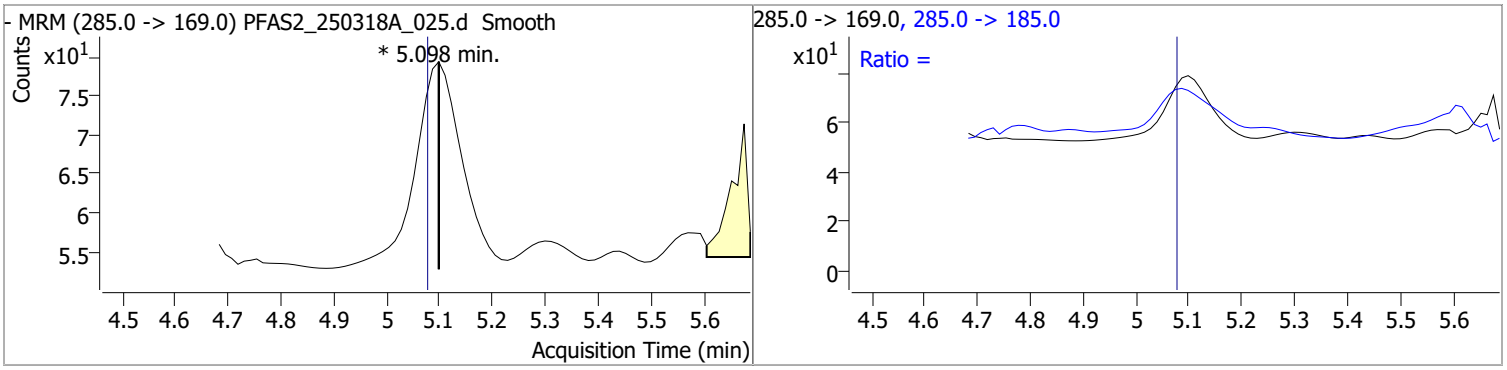
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6454	4.93	0.01	13155	298.9 -> 99.0	45.7	28.3	52.5



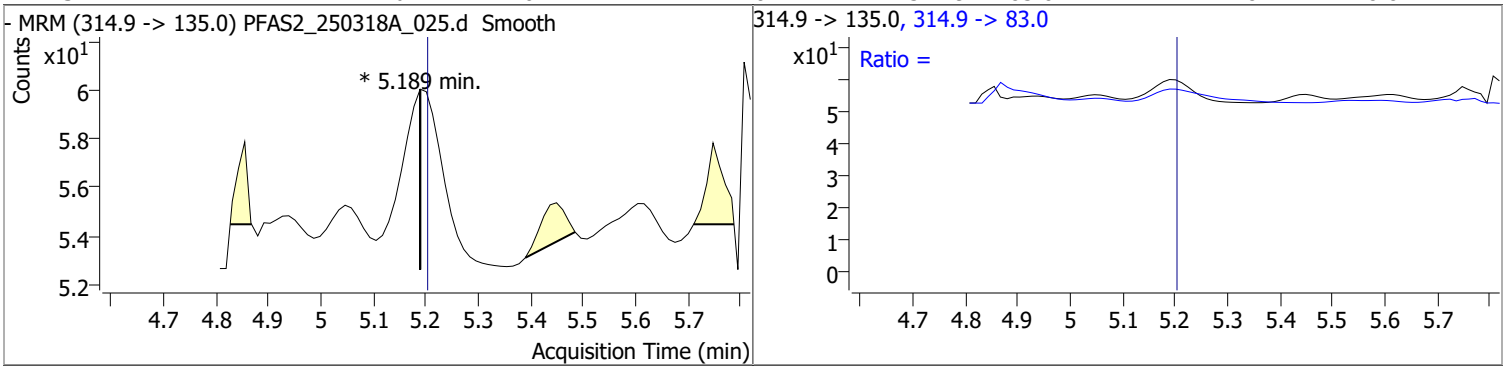
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.7177	5.09	0.01	159567	287.0 -> 185.0	37.0	29.4	54.6



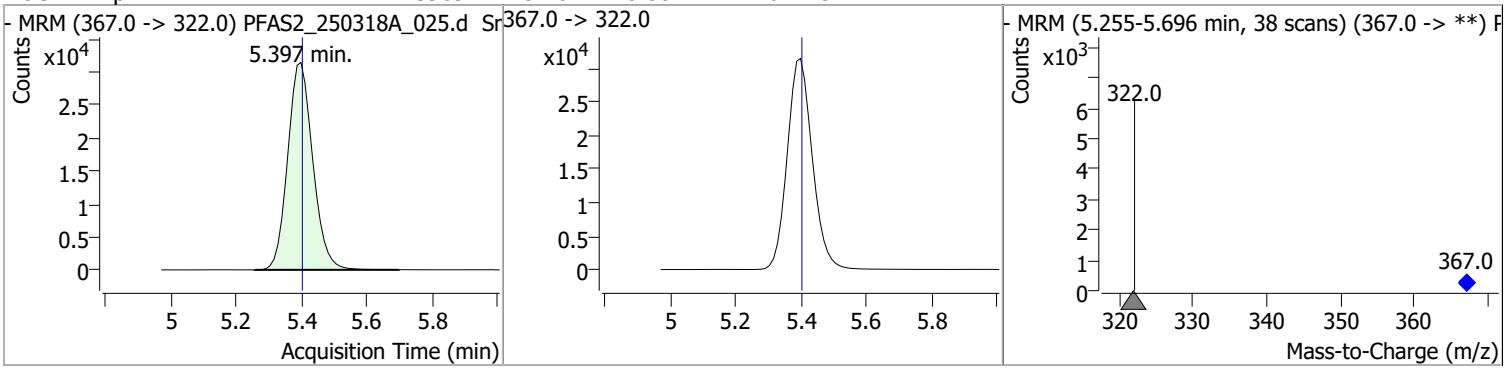
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



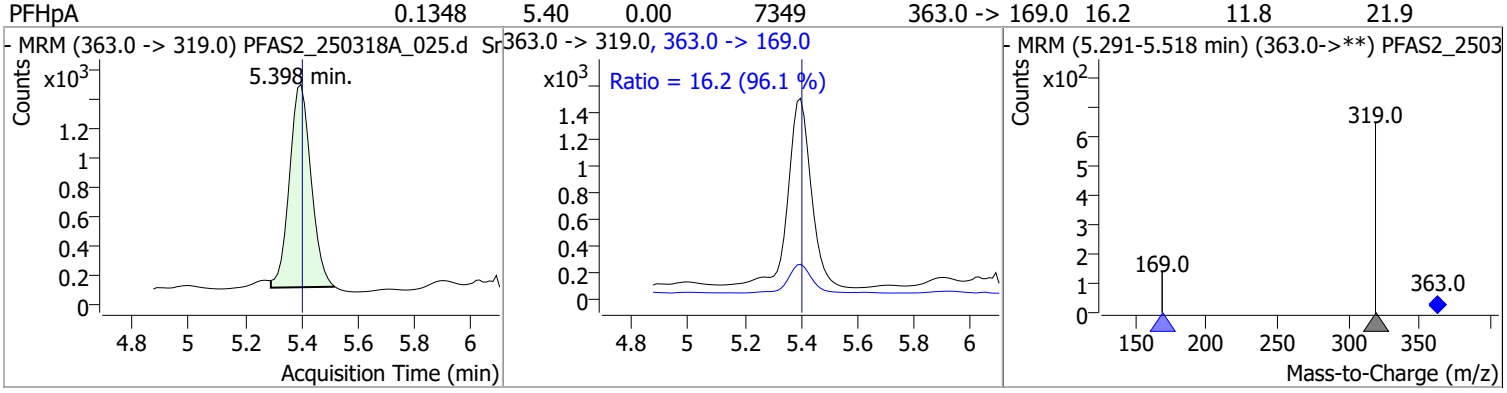
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



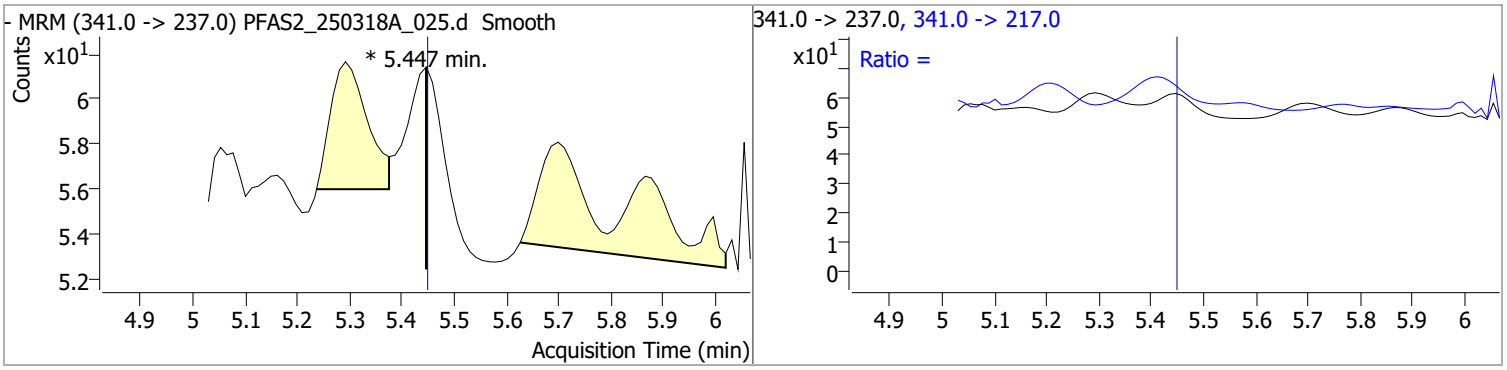
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5989	5.40	0.00	167215				



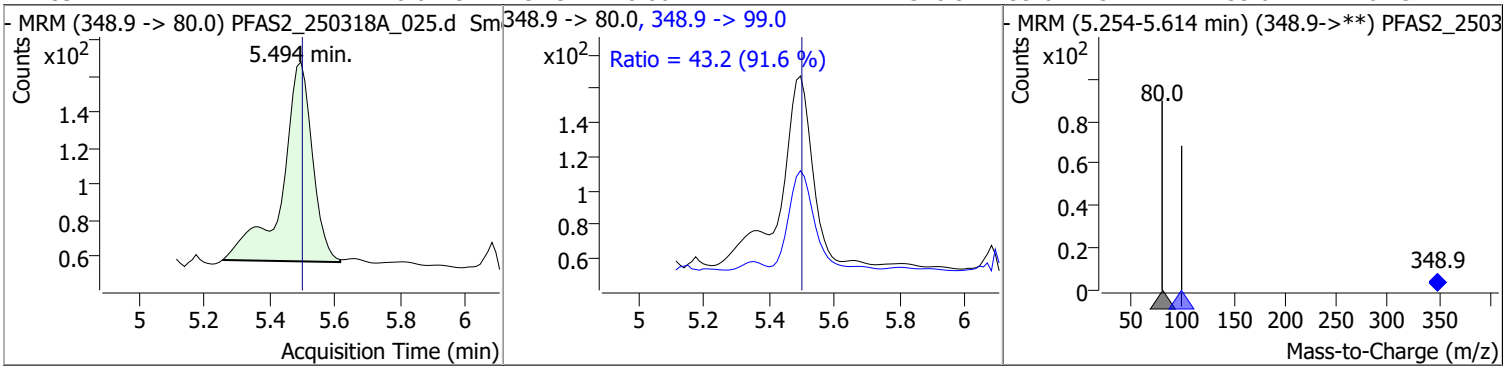
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.1348	5.40	0.00	7349	363.0 -> 169.0	16.2	11.8	21.9



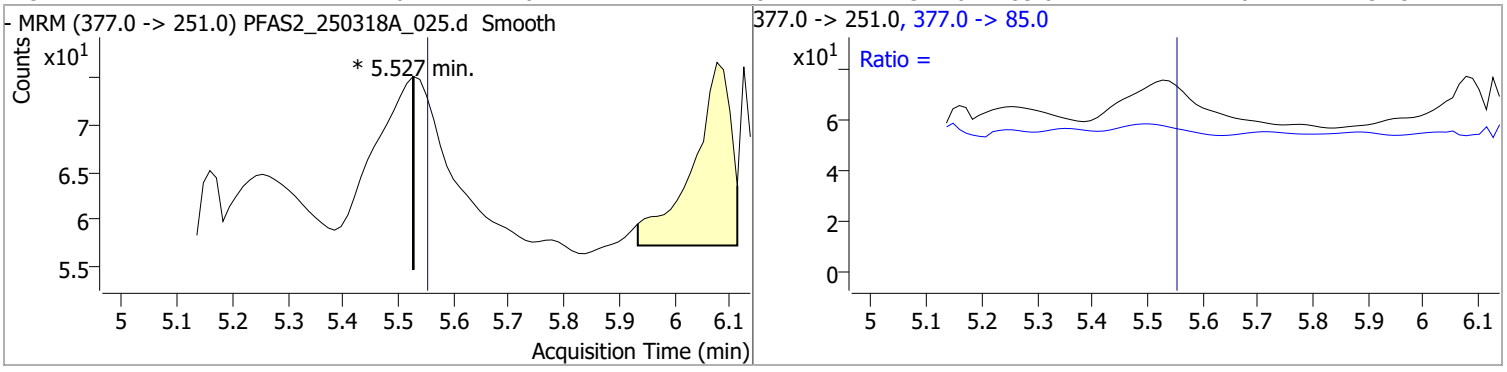
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



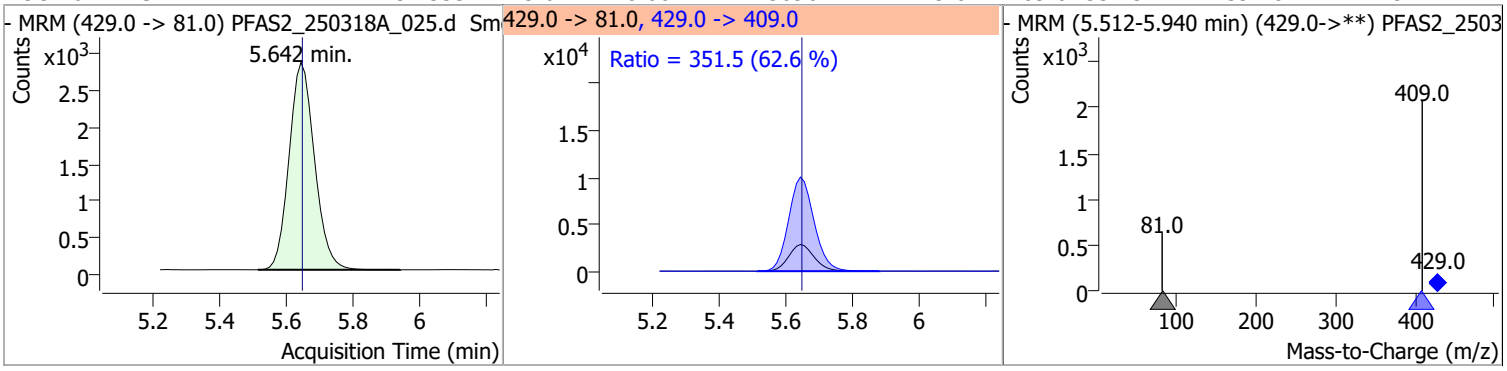
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0423	5.49	0.00	712	348.9 -> 99.0	43.2	33.0	61.3



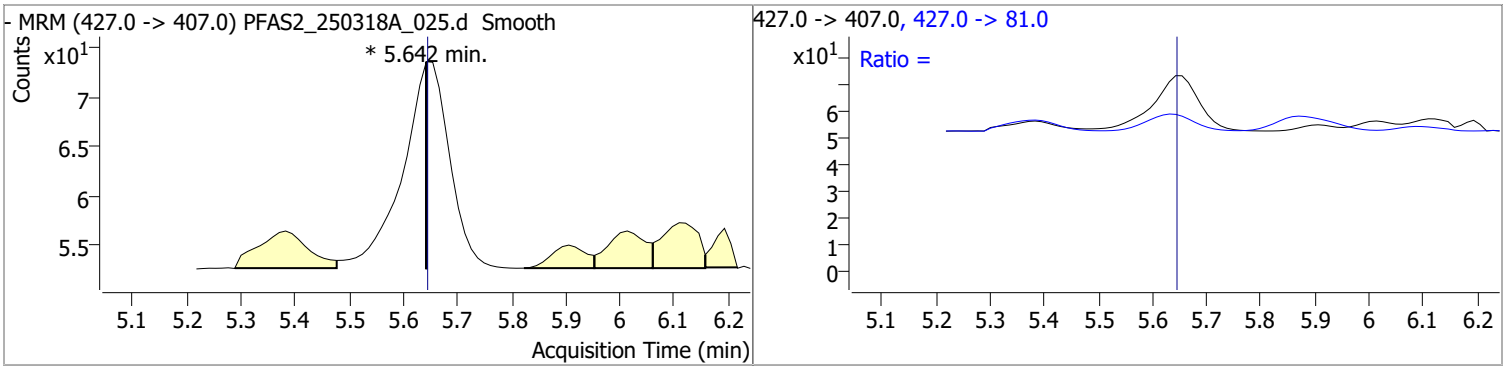
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



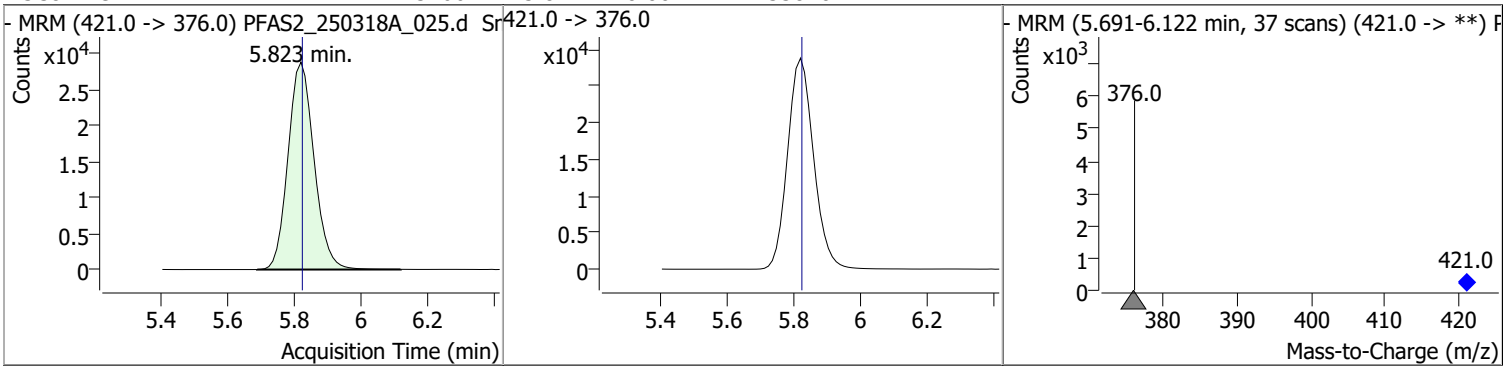
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.7533	5.64	0.00	15098	429.0 -> 409.0	351.5	392.8	729.4



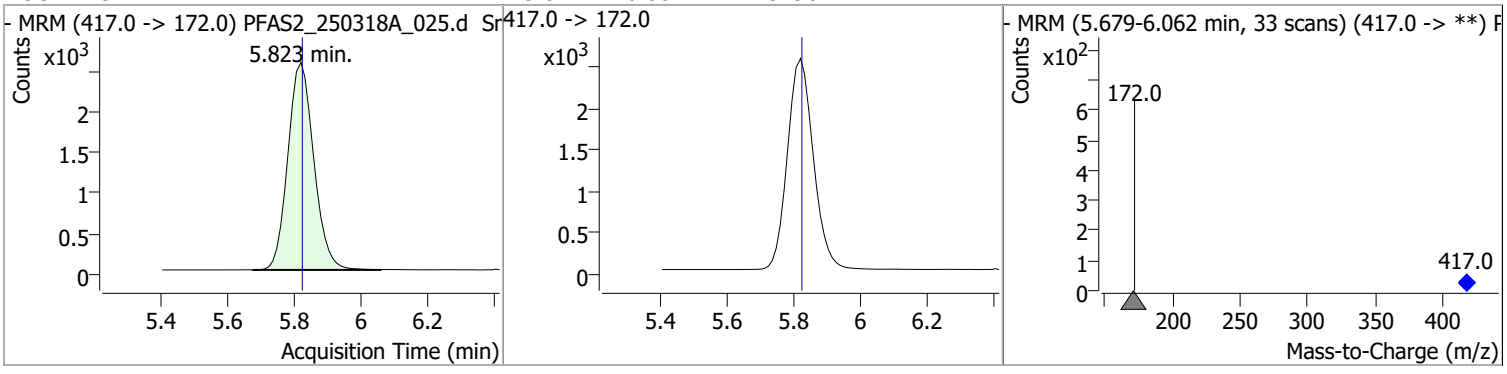
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



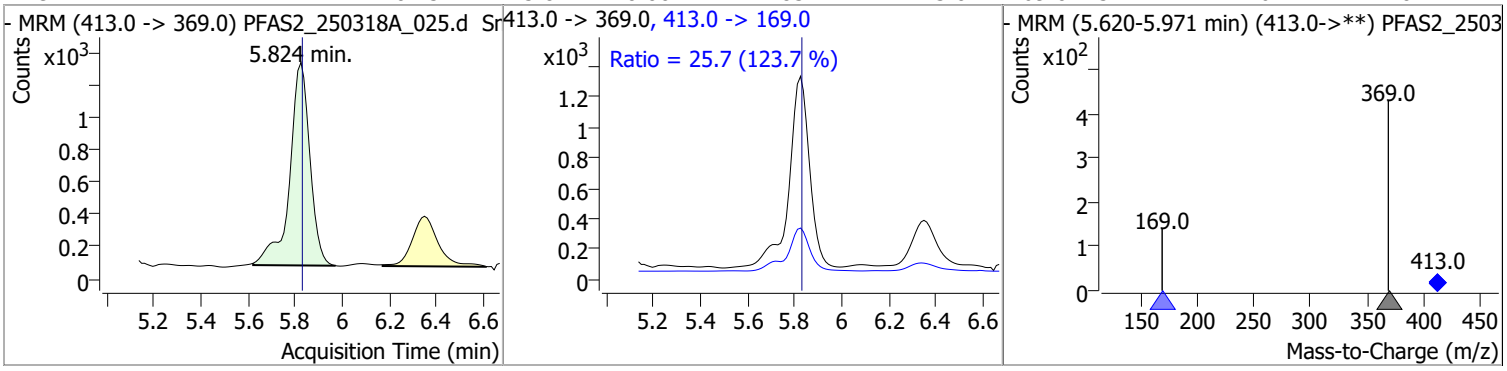
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5266	5.82	0.00	155810				



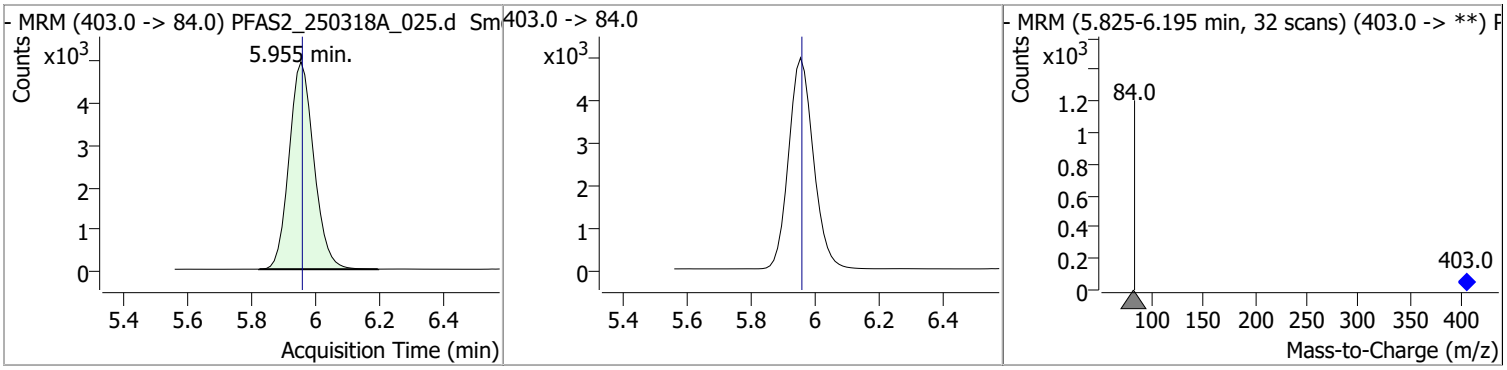
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13790				



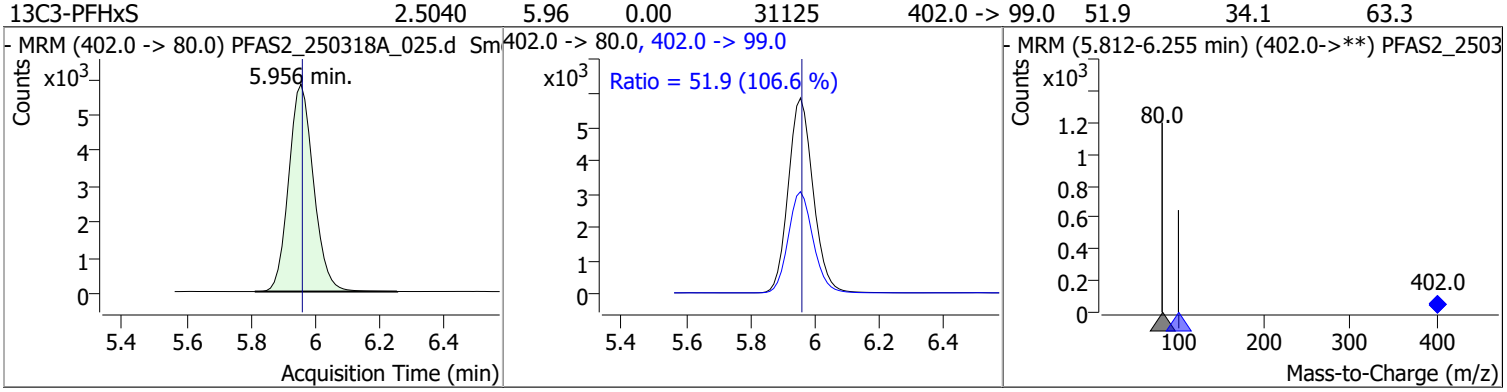
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.1574	5.82	0.00	7483	413.0 -> 169.0	25.7	14.6	27.0



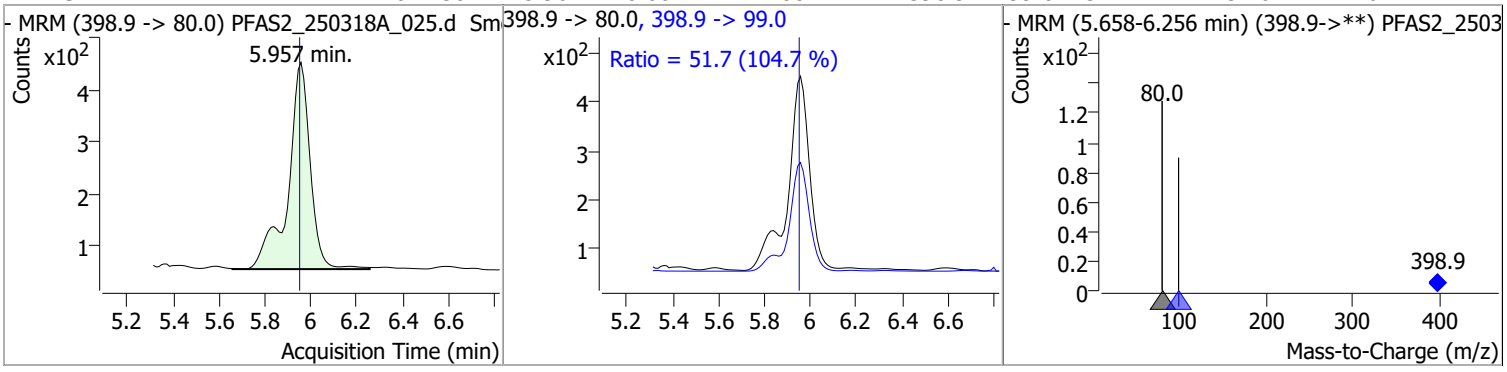
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26354				



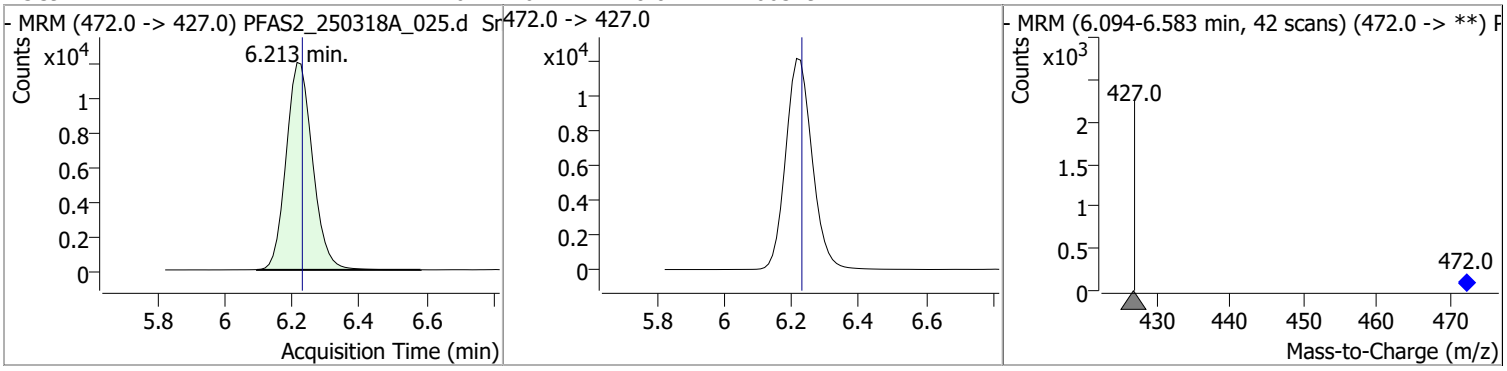
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5040	5.96	0.00	31125	402.0 -> 99.0	51.9	34.1	63.3



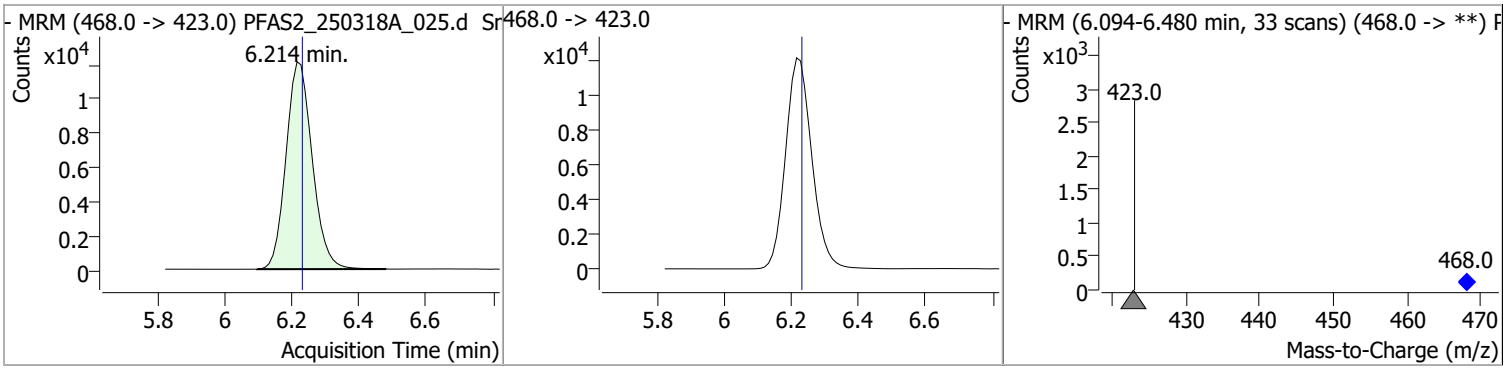
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2230	5.96	0.00	2700	398.9 -> 99.0	51.7	34.6	64.2



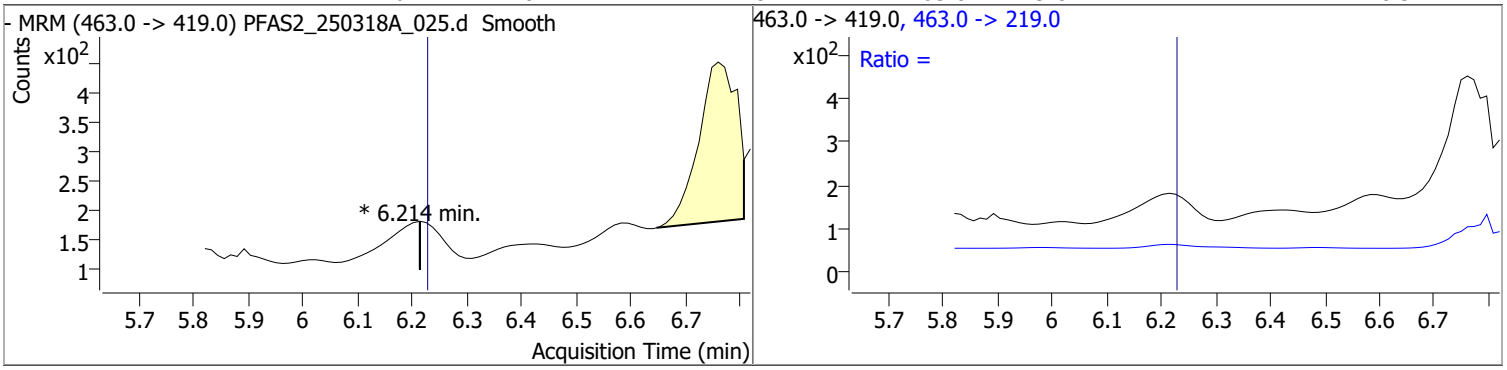
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2746	6.21	-0.01	66519				



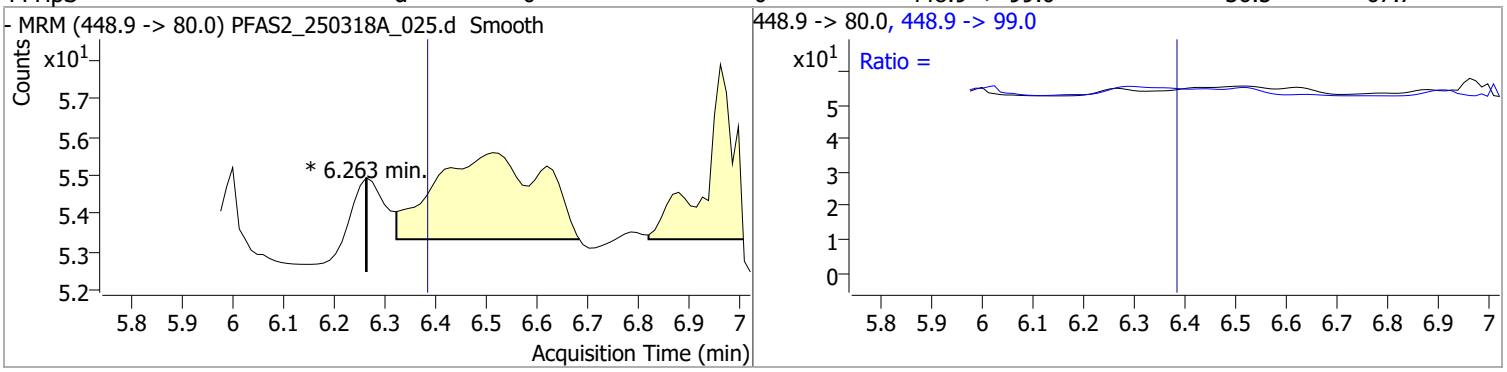
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	65862				



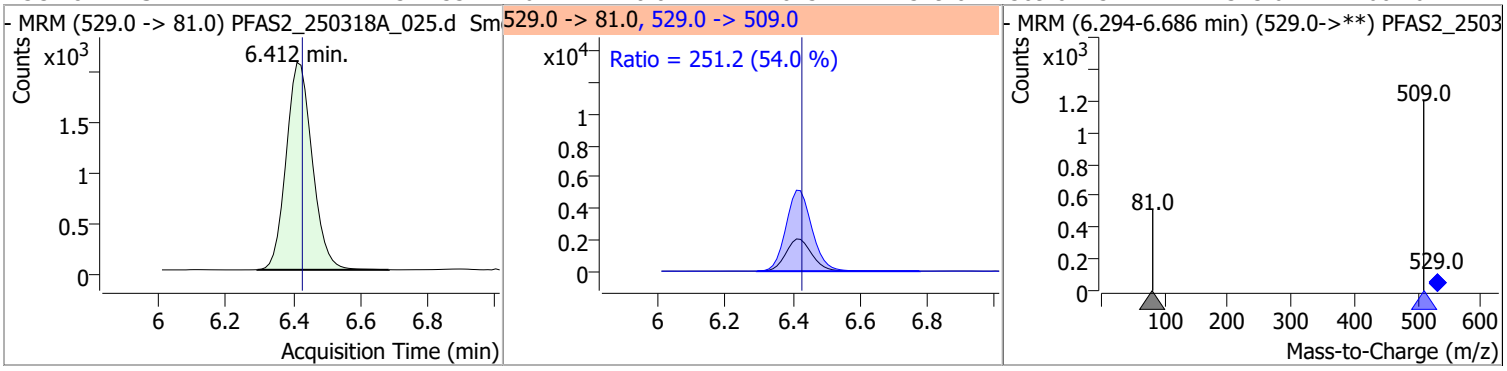
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



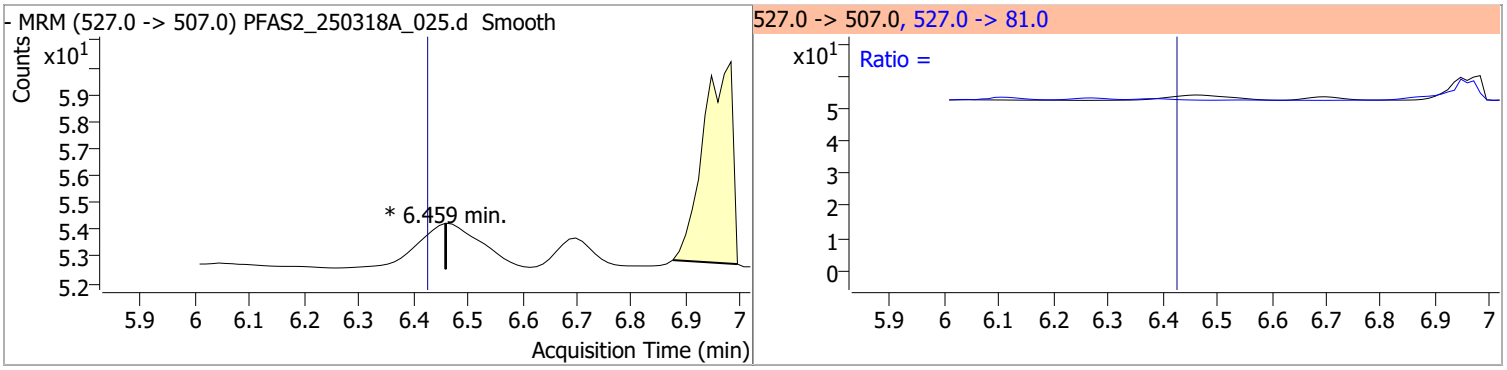
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



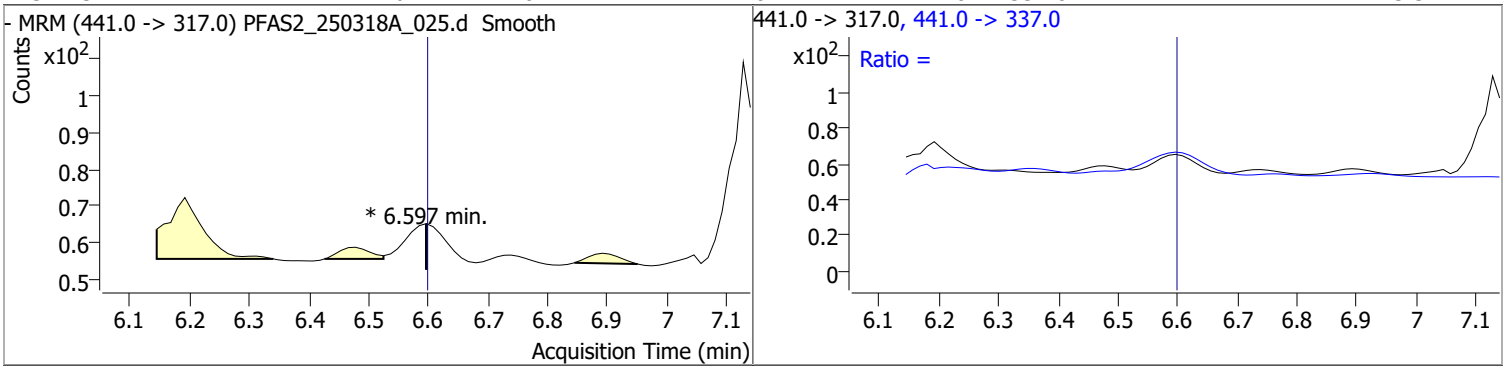
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2253	6.41	-0.01	11025	529.0 -> 509.0	251.2	325.6	604.6



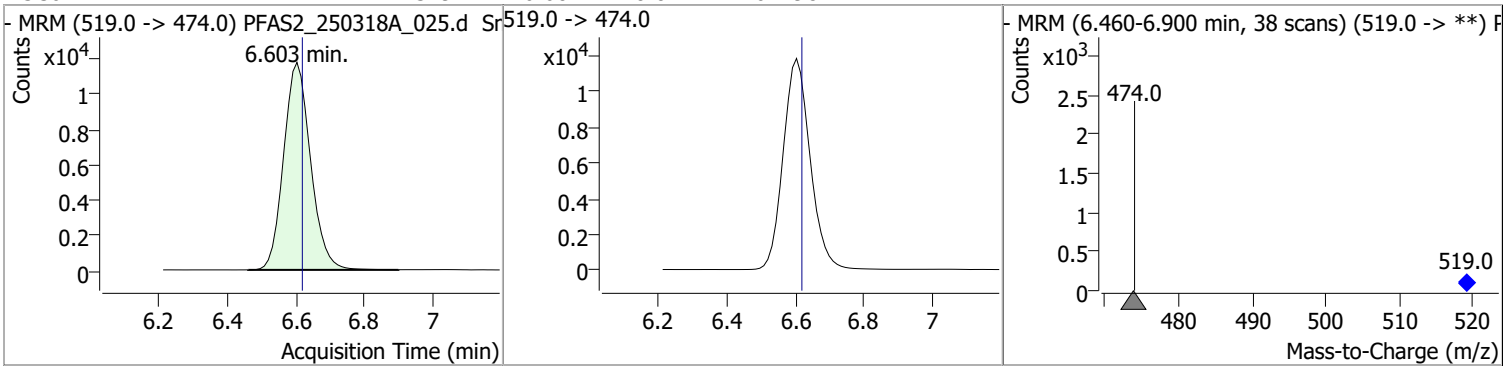
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



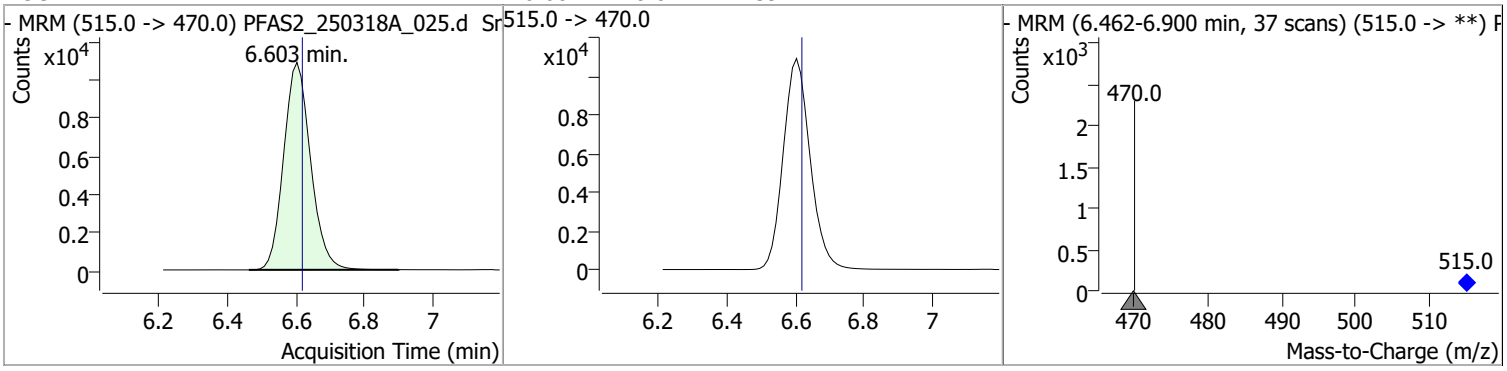
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



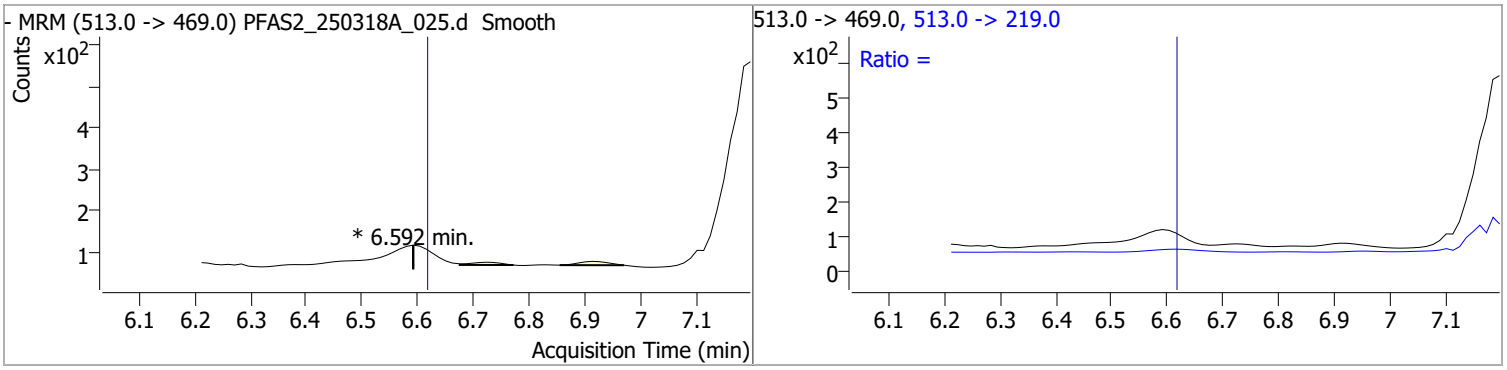
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3297	6.60	-0.01	64298				



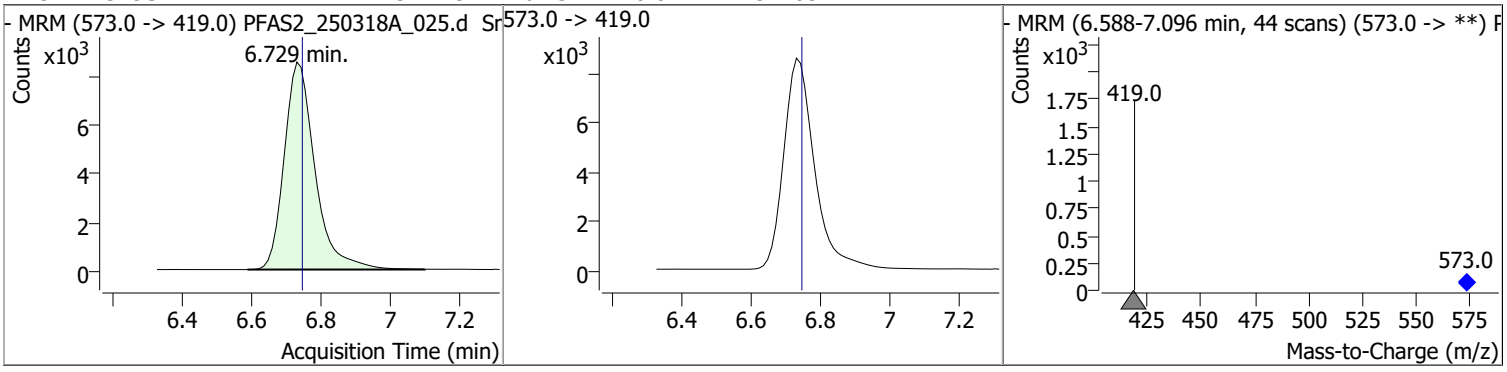
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	59424				



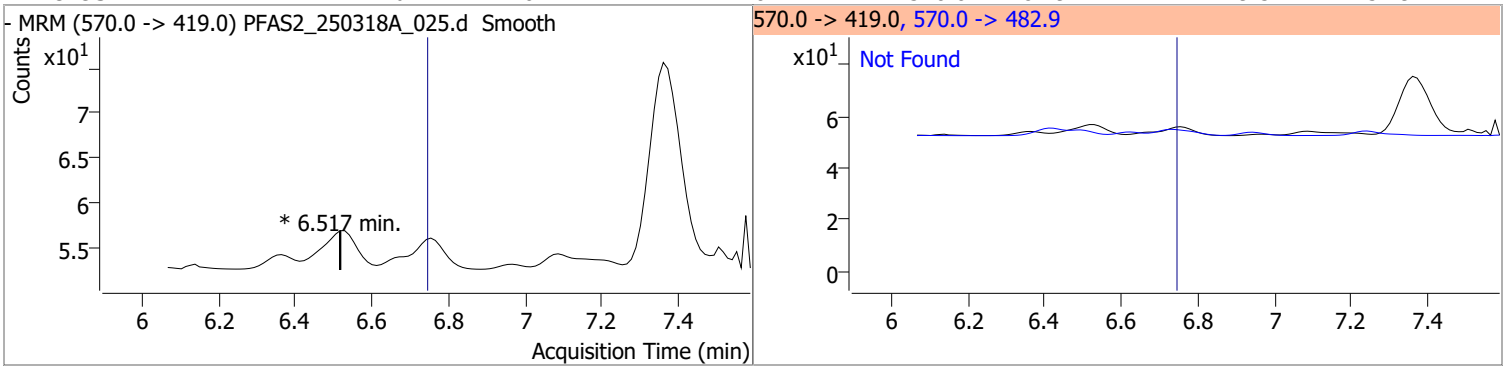
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



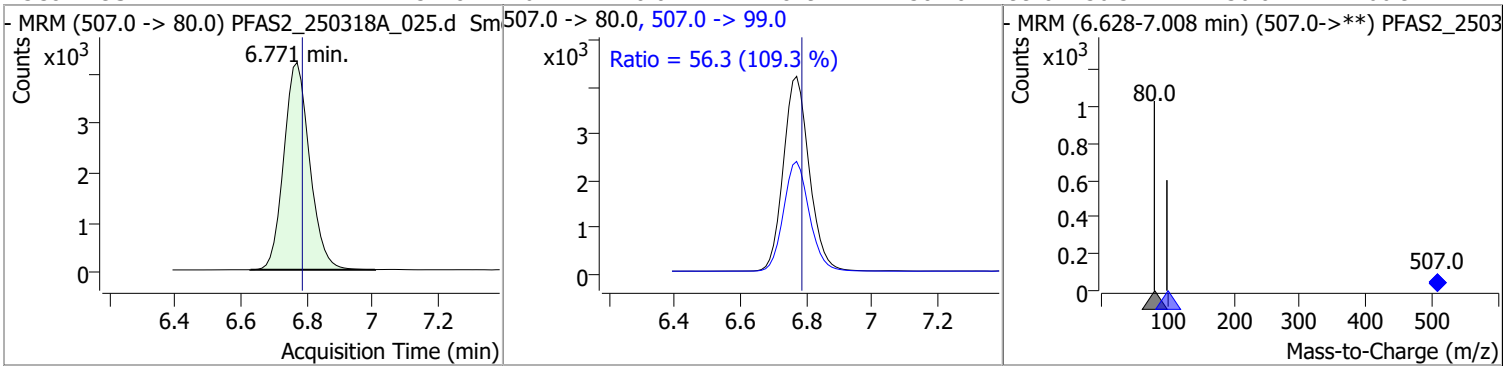
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.2175	6.73	-0.01	52403				



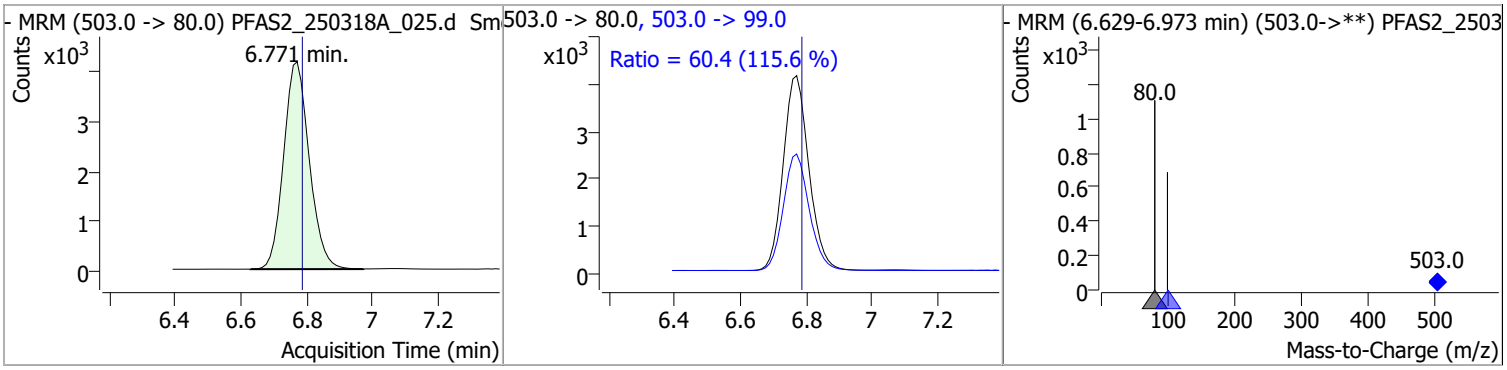
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



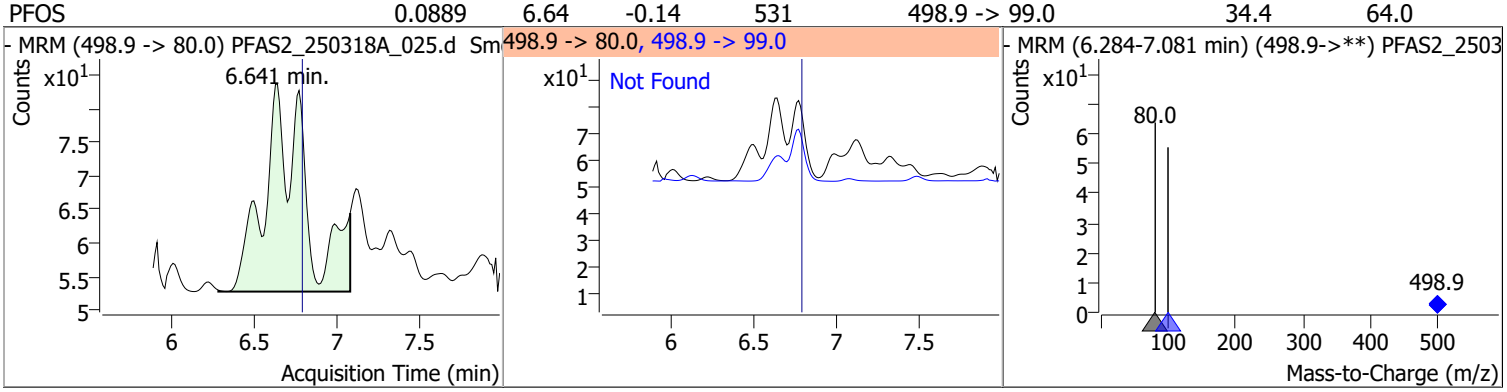
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5118	6.77	-0.01	22819	507.0 -> 99.0	56.3	36.0	66.9



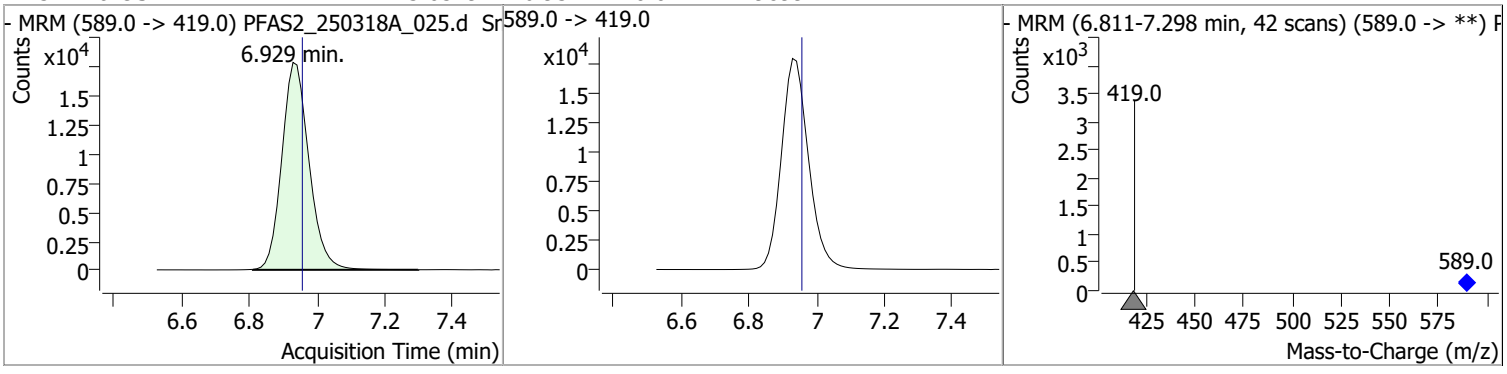
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22384	503.0 -> 99.0	60.4	36.6	67.9



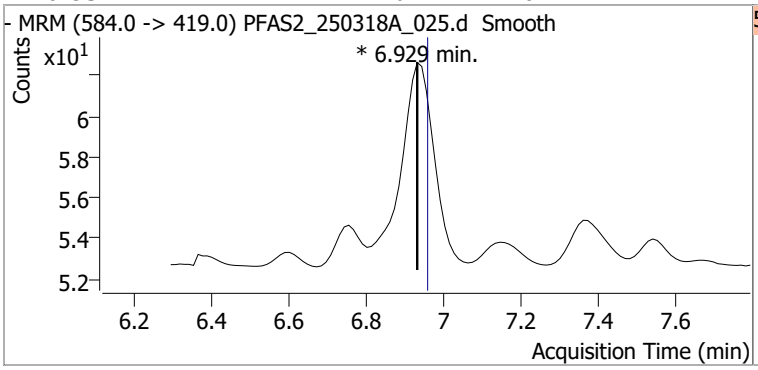
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0889	6.64	-0.14	531	498.9 -> 99.0		34.4	64.0

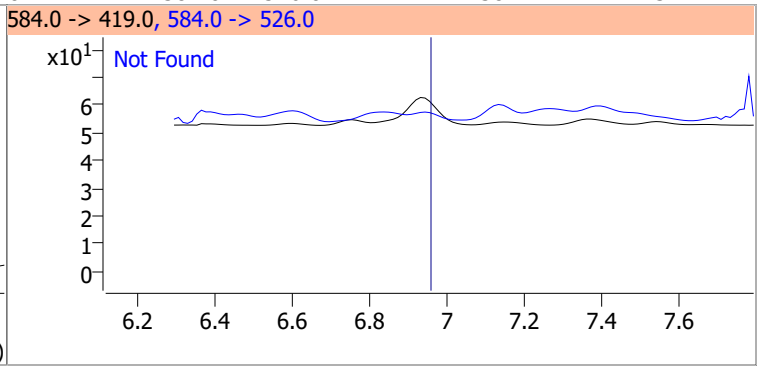


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	13.0549	6.93	-0.02	98992				

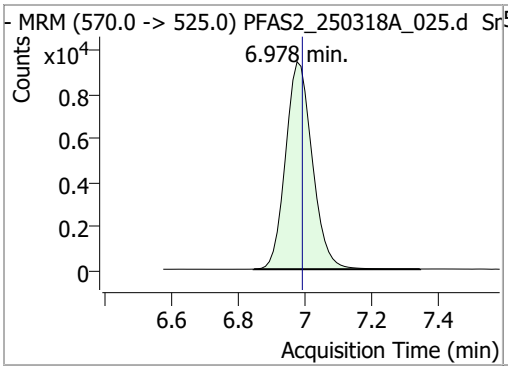


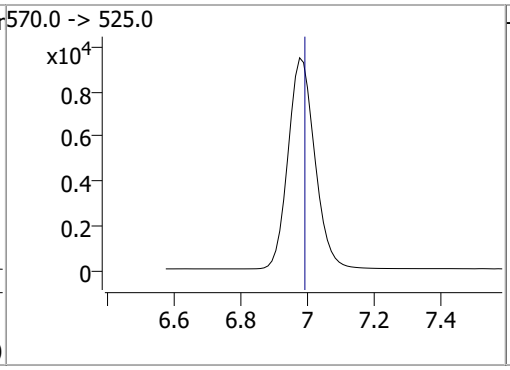
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

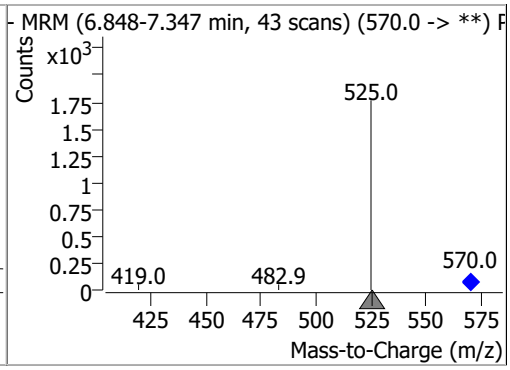




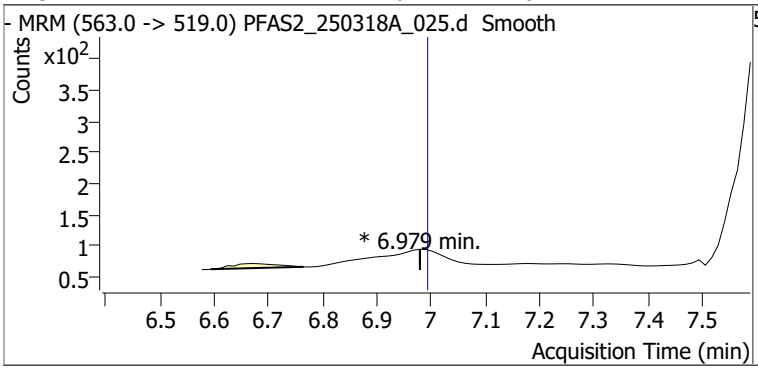
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3808	6.98	-0.01	52620				

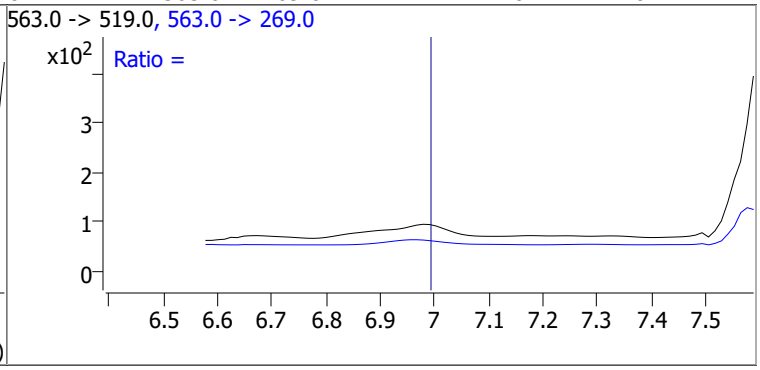




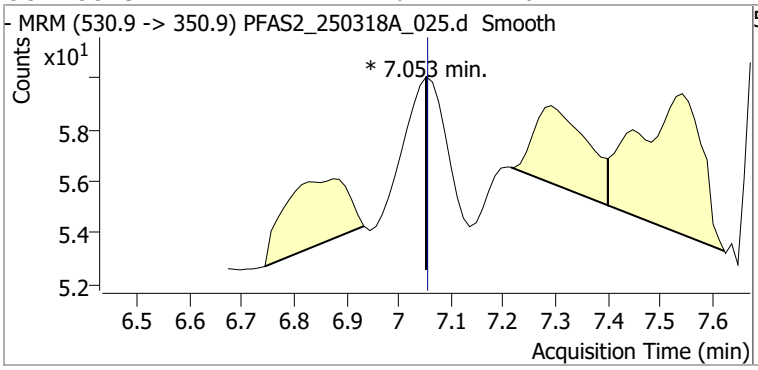


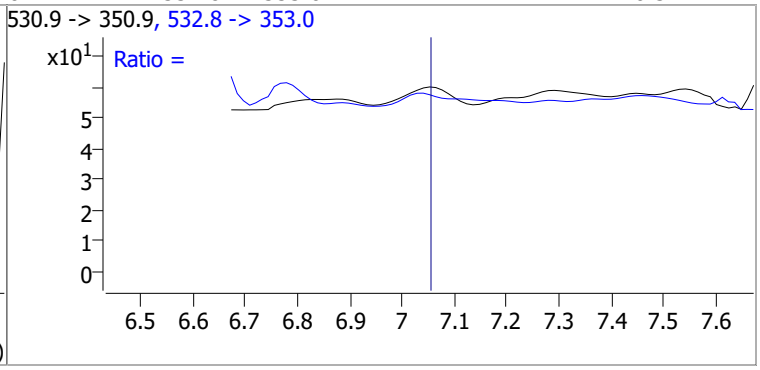
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



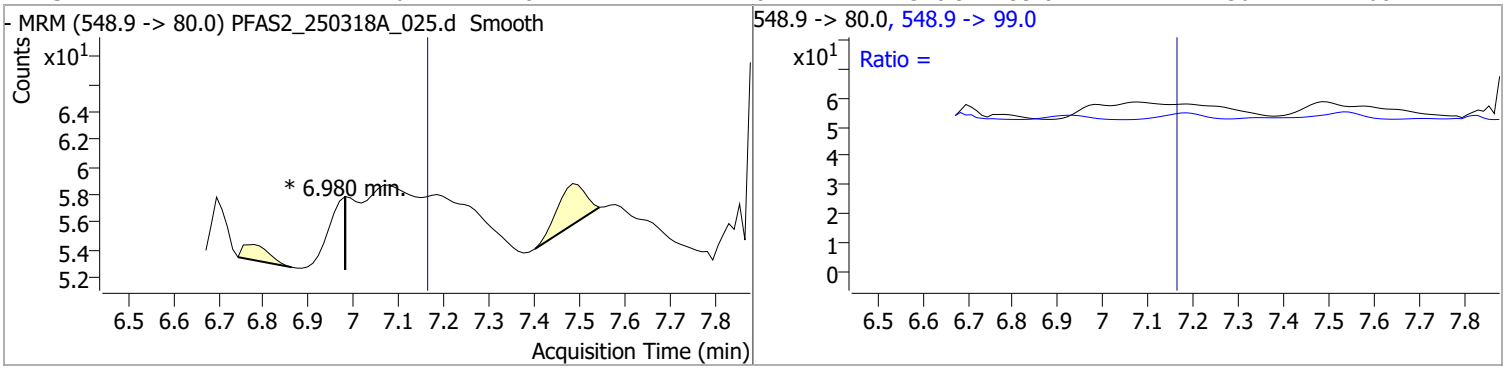


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

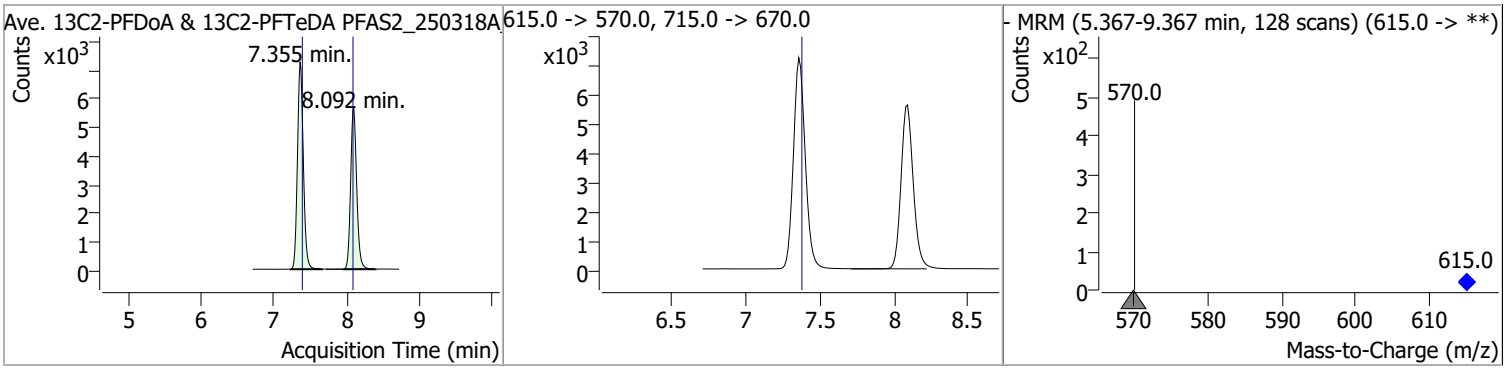




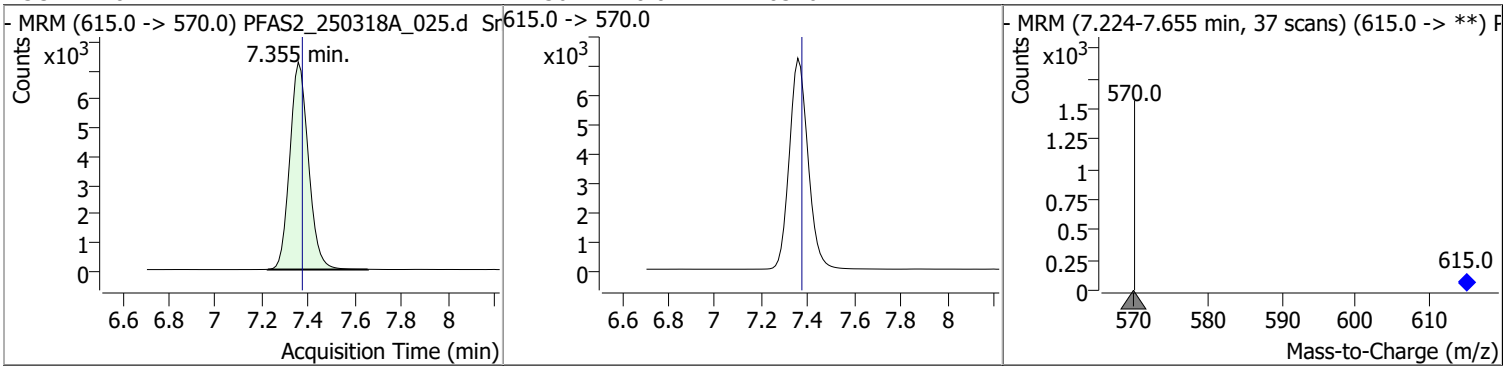
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



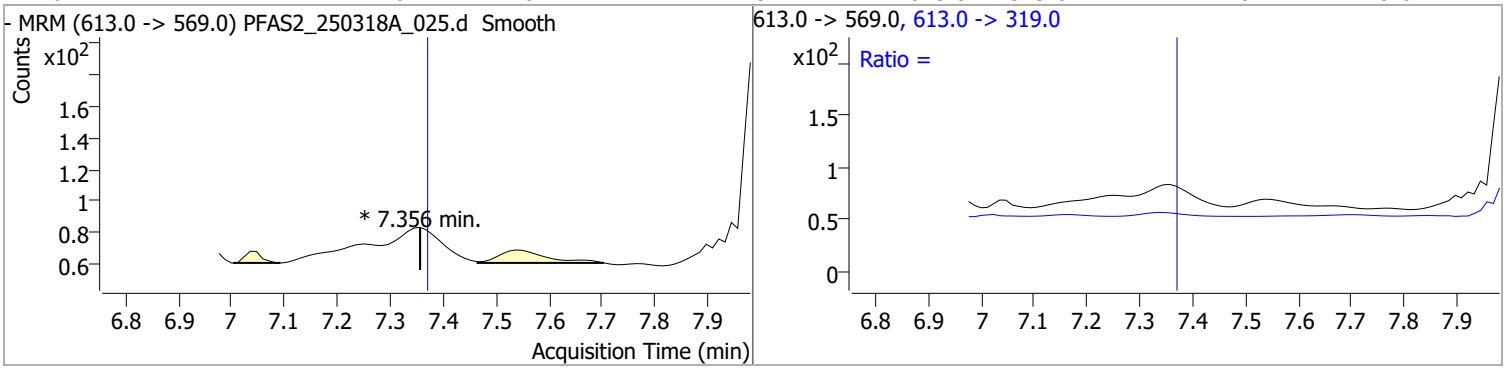
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1608	7.72	0.36	36460				



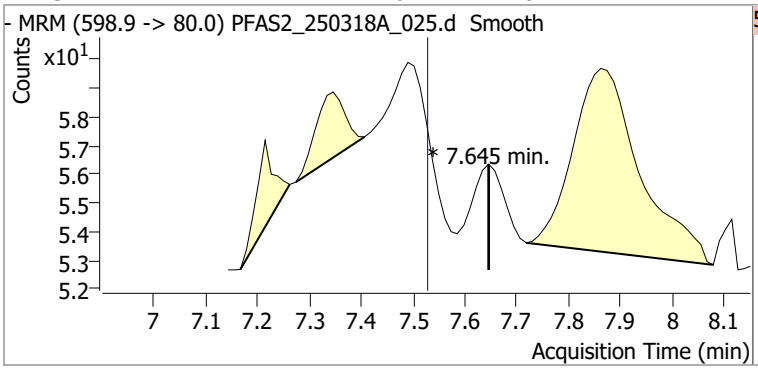
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4221	7.36	-0.01	40376				

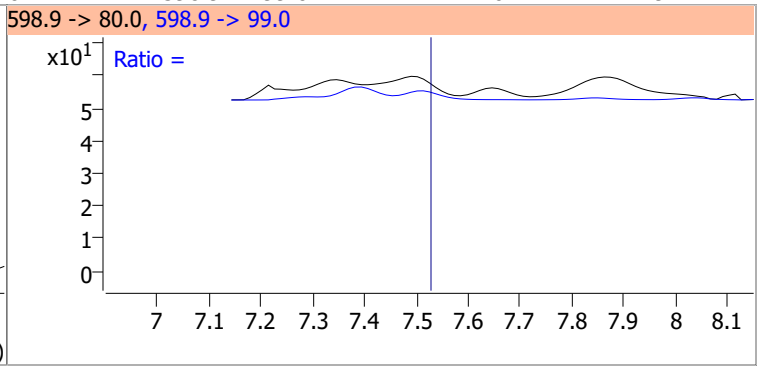


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

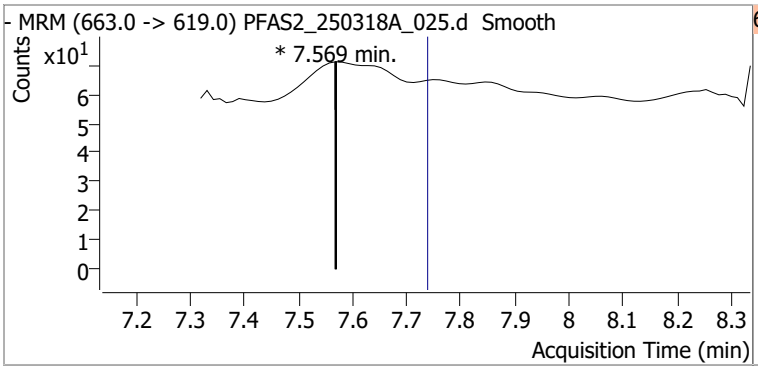


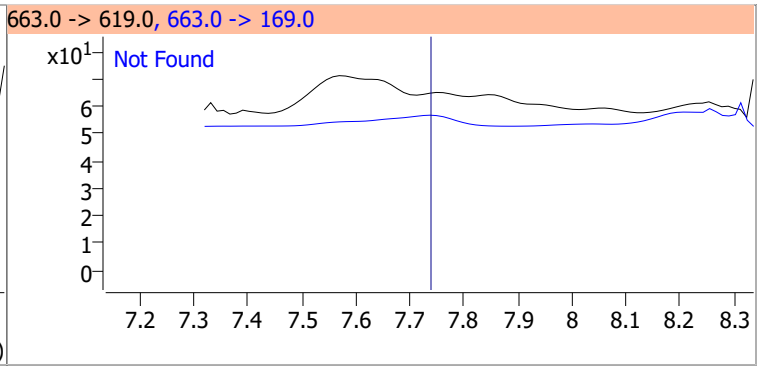
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



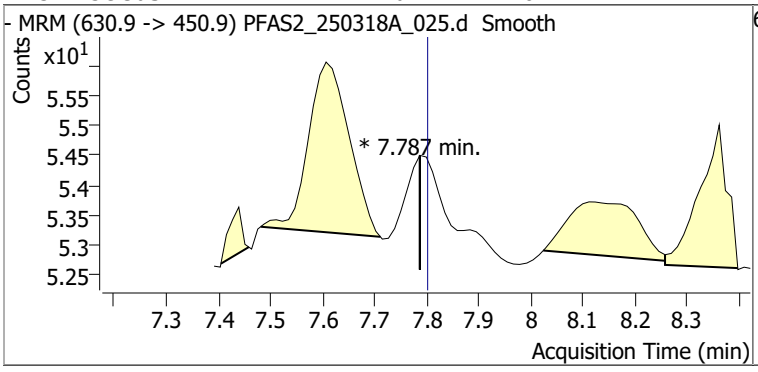


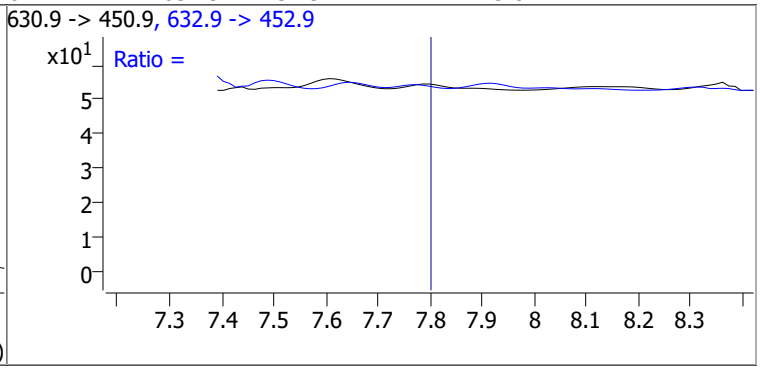
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



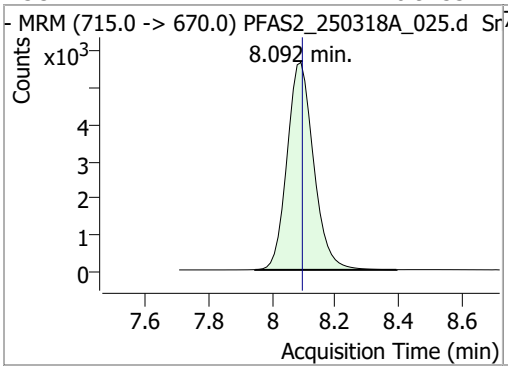


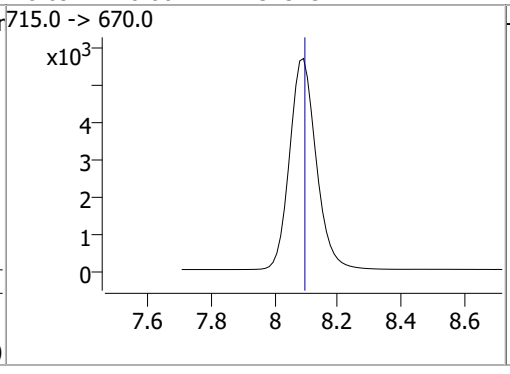
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

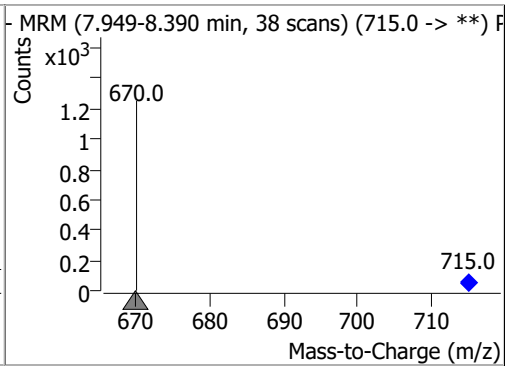




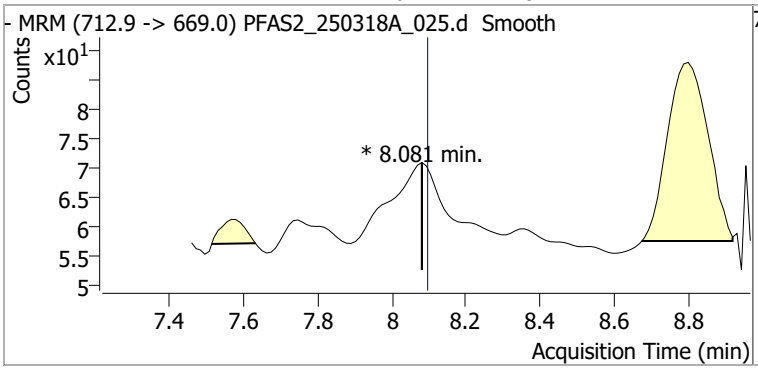
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9453	8.09	0.00	32545				

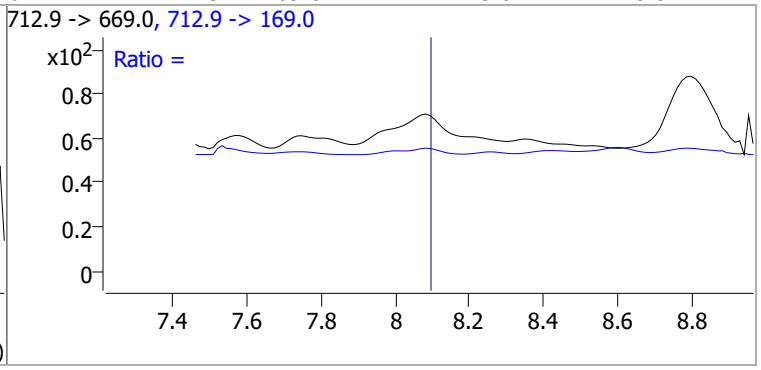




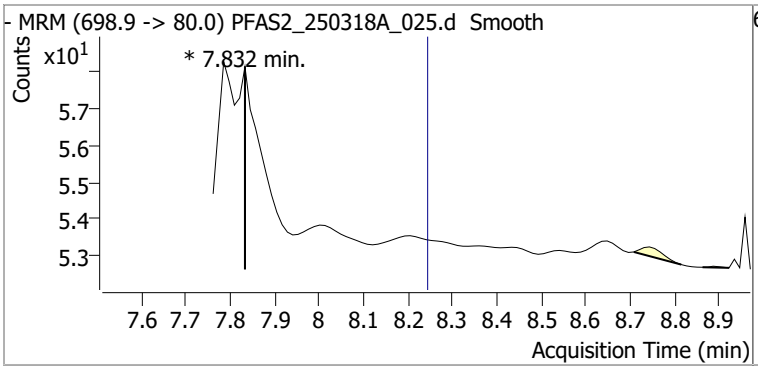


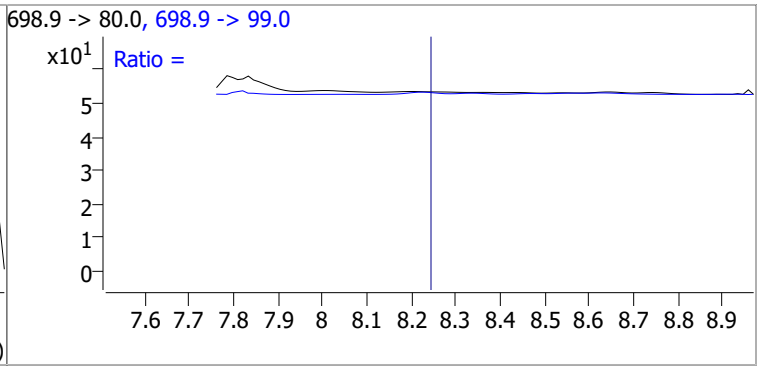
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



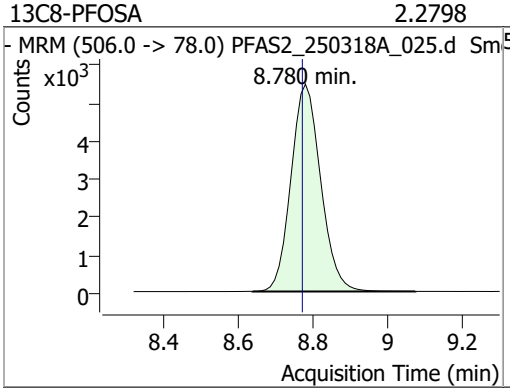


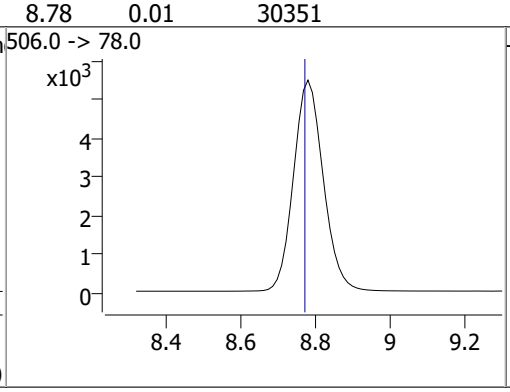
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

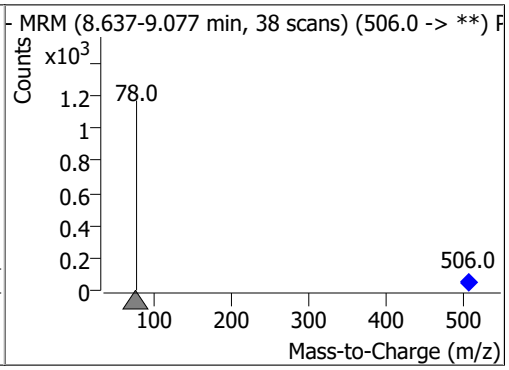




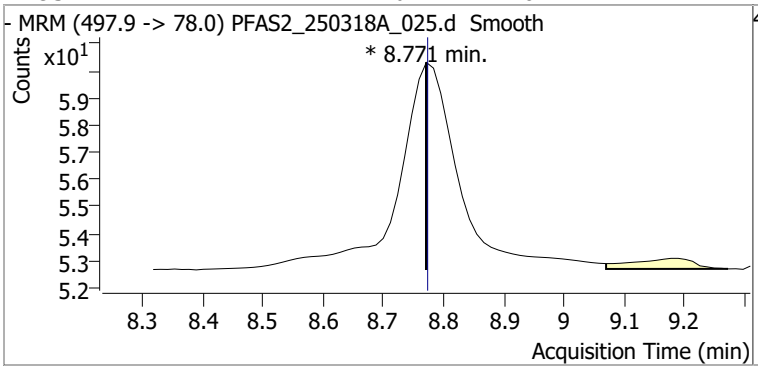
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2798	8.78	0.01	30351				

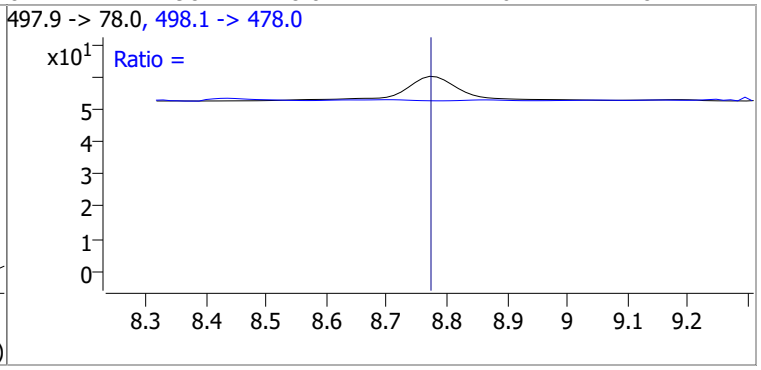




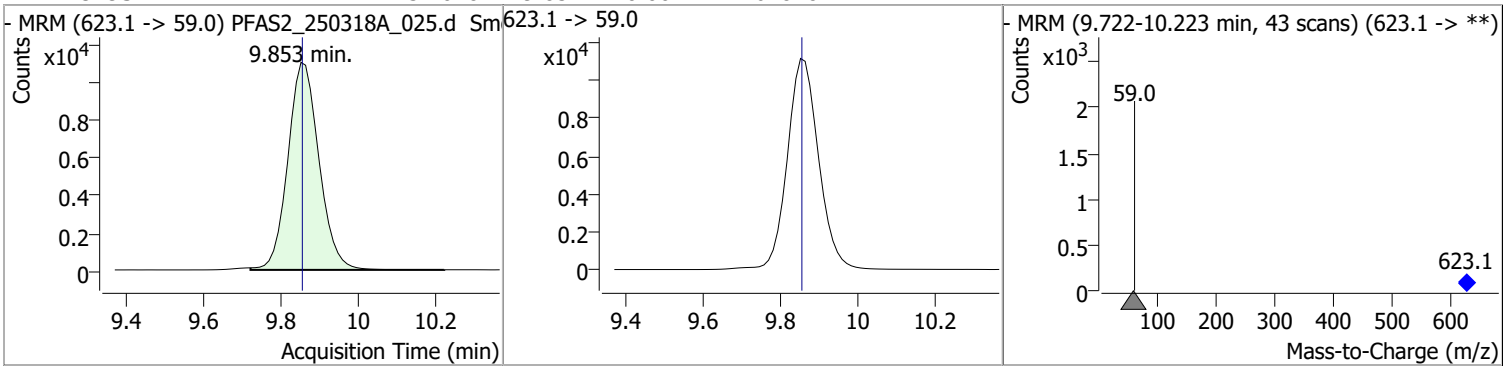


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

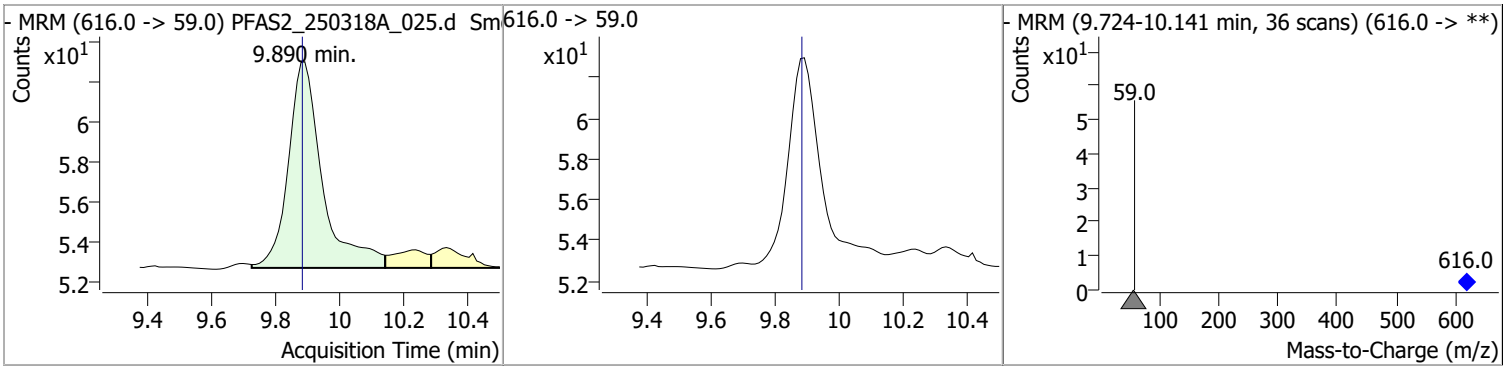




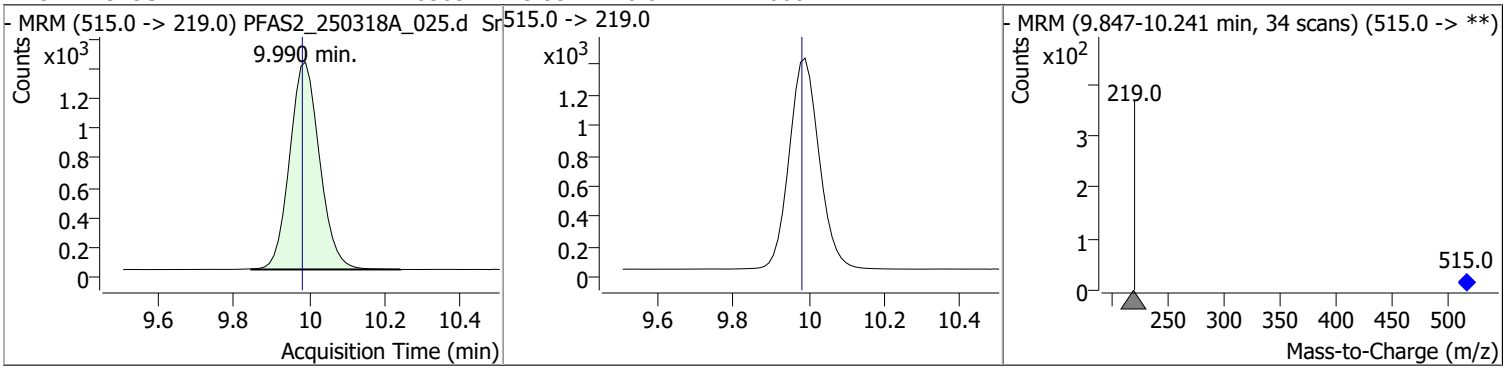
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.7048	9.85	0.00	61848				



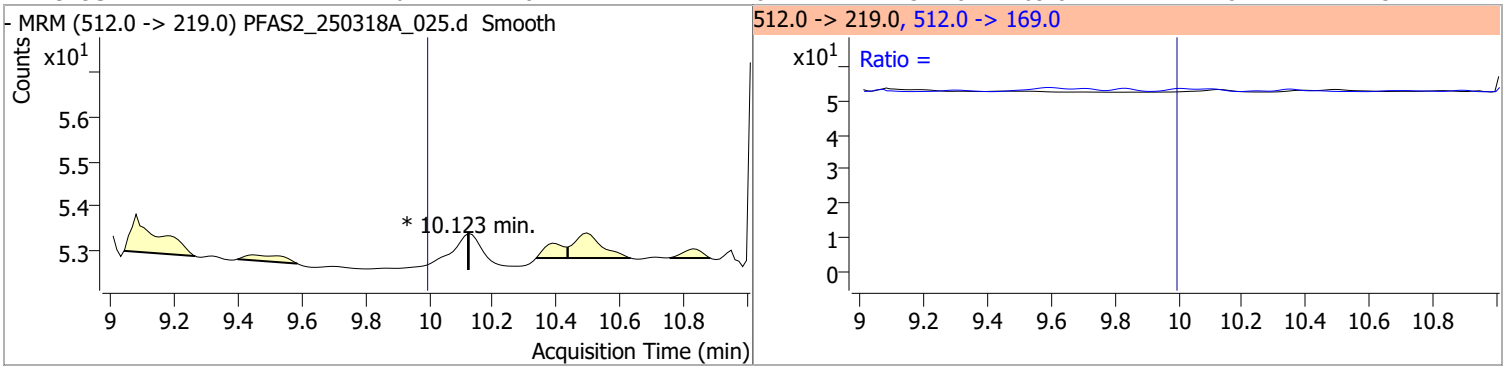
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	77				



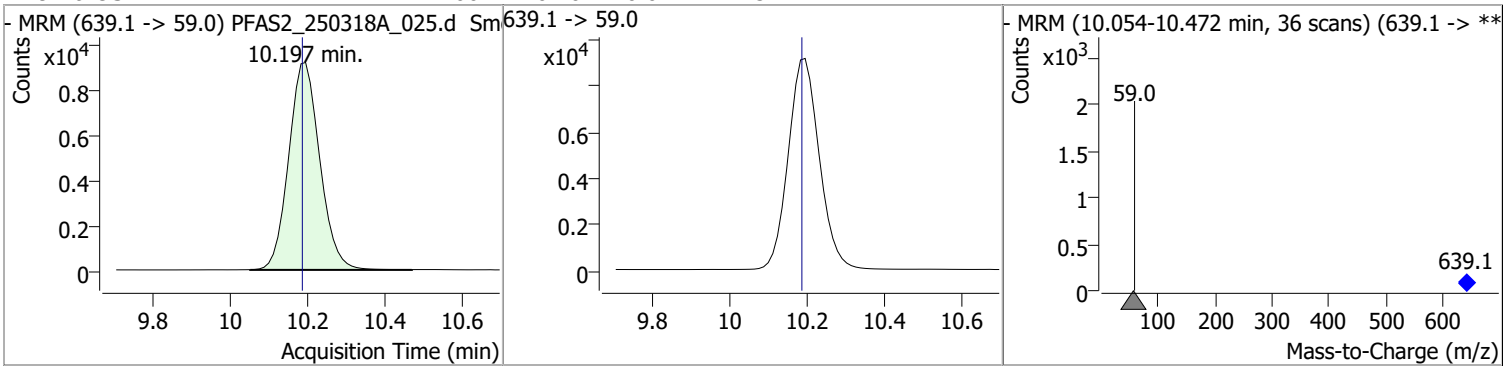
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0503	9.99	0.01	7660				



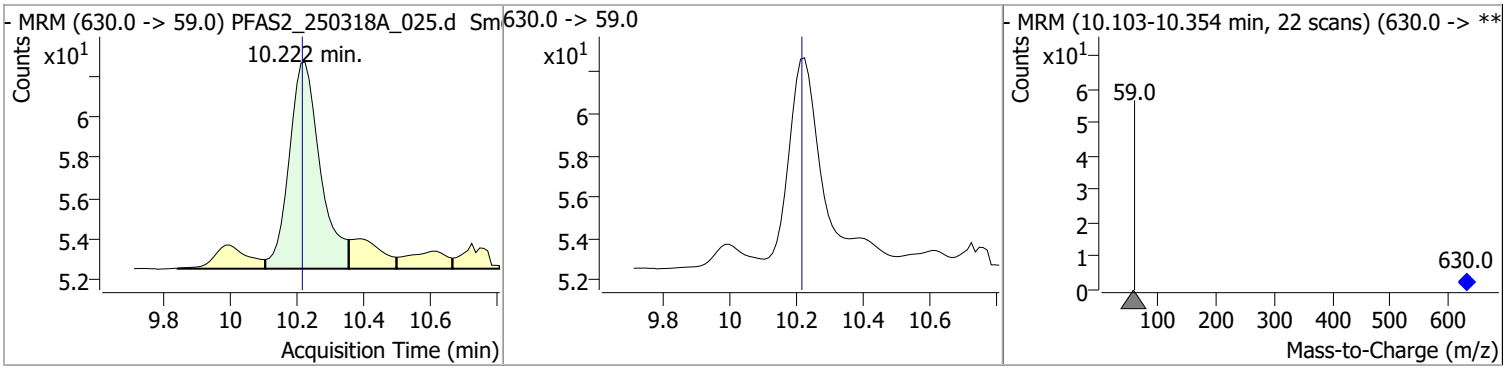
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



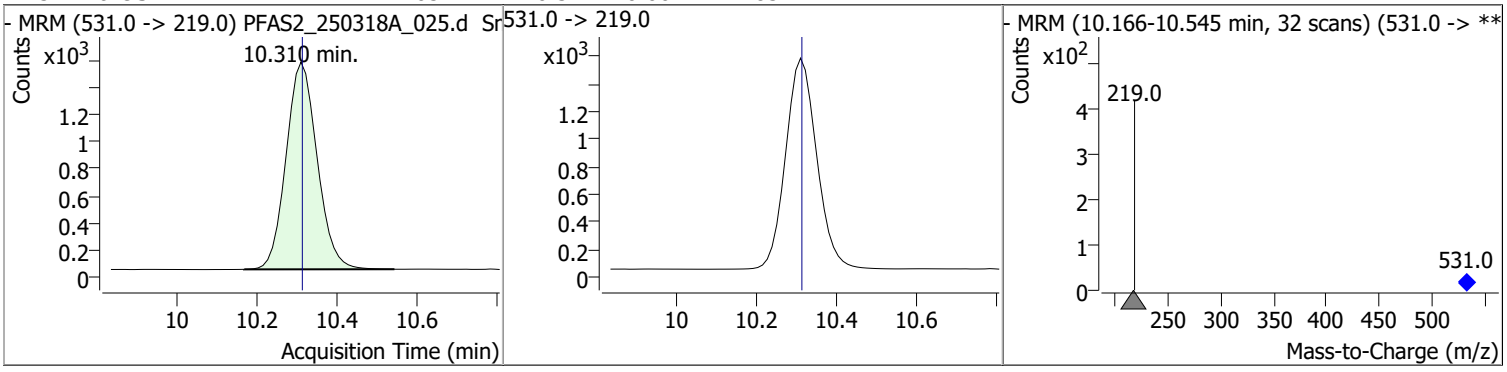
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4100	10.20	0.01	51177				



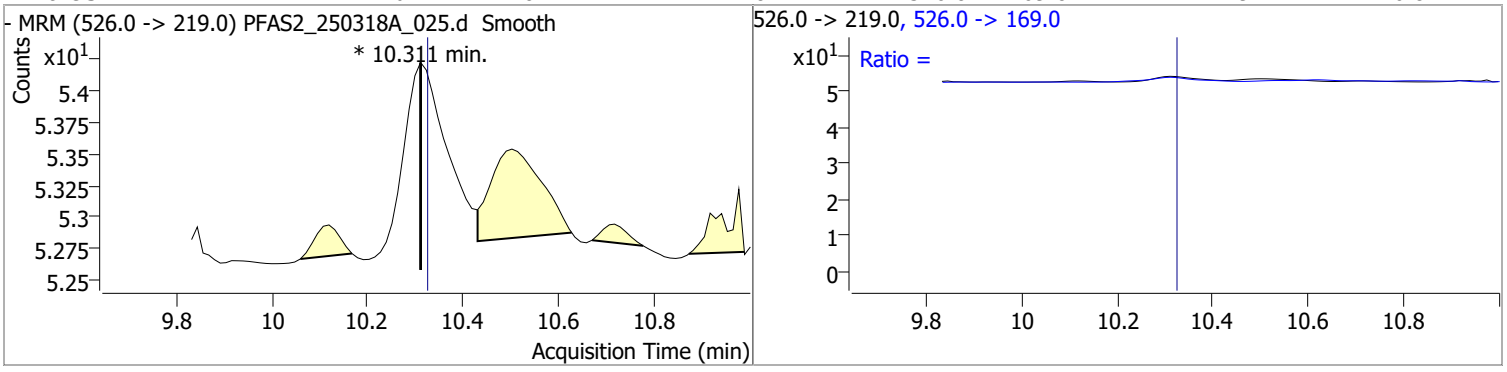
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0454	10.22	0.01	66				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0571	10.31	0.00	8311				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_025.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:21:27 PM
Sample Name	O25C0550-01	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

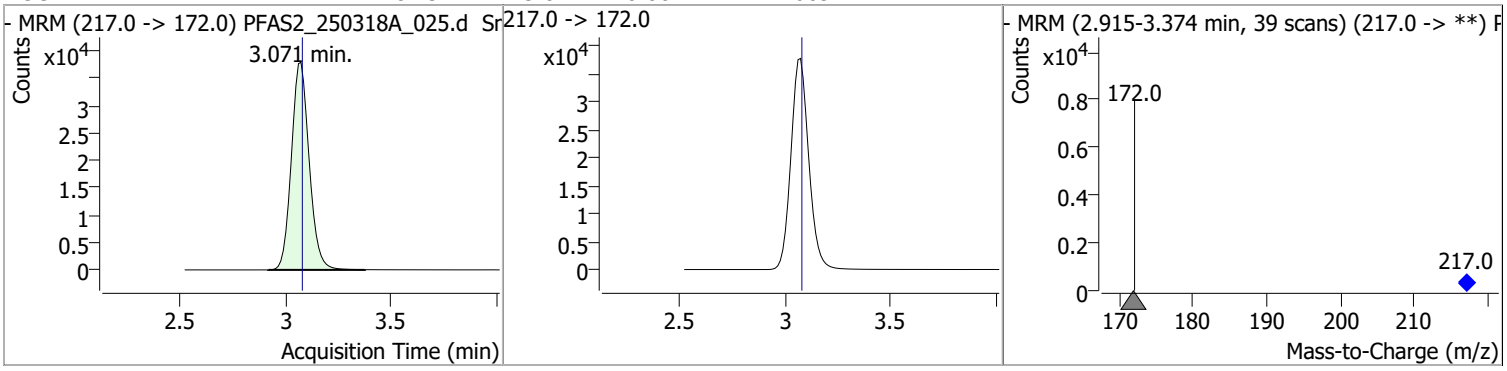
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	114835	5.0000	µg/L		-16.082
13C2-PFHxA	4.890	315.0 -> 270.0	130693	2.5000	µg/L		-14.816
18O2-PFHxS	5.955	403.0 -> 84.0	26354	2.5000	µg/L		-11.057
13C4-PFOA	5.823	417.0 -> 172.0	13790	2.5000	µg/L		-10.734
13C5-PFNA	6.214	468.0 -> 423.0	65862	1.2500	µg/L		-7.461
13C2-PFDA	6.603	515.0 -> 470.0	59424	1.2500	µg/L		-11.144
13C4-PFOS	6.771	503.0 -> 80.0	22384	2.5000	µg/L		-10.136
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	221609	10.0000	µg/L		-28.704
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 84.92%			
13C5-PFPeA	4.222	268.0 -> 223.0	181247	5.0000	µg/L		-12.406
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.84%			
13C5-PFPeA	4.222	268.0 -> 223.0	181247	5.0000	µg/L		-12.406
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.84%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29540	5.0000	µg/L	#	16.923
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.99%			
13C5-PFHxA	4.889	318.0 -> 273.0	145378	2.5000	µg/L		-13.898
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%			
13C5-PFHxA	4.889	318.0 -> 273.0	145378	2.5000	µg/L		-13.898
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%			
13C3-PFBS	4.929	302.0 -> 80.0	49122	2.5000	µg/L		-19.105
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.05%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	159567	10.0000	µg/L		-8.699
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 107.18%			
13C4-PFHpA	5.397	367.0 -> 322.0	167215	2.5000	µg/L		-11.473
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.96%			
13C3-PFHxS	5.956	402.0 -> 80.0	31125	2.5000	µg/L		-10.941
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.16%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15098	5.0000	µg/L	#	2.232
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.07%			
13C8-PFOA	5.823	421.0 -> 376.0	155810	2.5000	µg/L		-9.801
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.07%			
13C3-PFHxS	5.956	402.0 -> 80.0	31125	2.5000	µg/L		-10.941
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.16%			
13C9-PFNA	6.213	472.0 -> 427.0	66519	1.2500	µg/L		-5.599
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.97%			
13C8-PFOS	6.771	507.0 -> 80.0	22819	2.5000	µg/L		-9.747
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.47%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11025	5.0000	µg/L	#	-6.928
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.51%			
13C6-PFDA	6.603	519.0 -> 474.0	64298	1.2500	µg/L		-5.389
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.38%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	52403	5.0000	µg/L		-6.120
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.35%			
13C8-PFOS	6.771	507.0 -> 80.0	22819	2.5000	µg/L		-9.747

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.47%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	98992	5.0000	µg/L		134.748
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 261.10%		*	
13C7-PFUnDA	6.978	570.0 -> 525.0	52620	1.2500	µg/L		-1.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 110.46%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	36460	1.2500	µg/L		-17.352
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.86%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40376	1.2500	µg/L		1.078
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.77%			
13C2-PFTDA	8.092	715.0 -> 670.0	32545	1.2500	µg/L		-32.598
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 75.62%			
13C8-PFOSA	8.780	506.0 -> 78.0	30351	2.5000	µg/L		-17.884
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.19%			
2H7-MeFOSE	9.853	623.1 -> 59.0	61848	25.0000	µg/L		-50.775
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 54.82%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7660	2.5000	µg/L		-26.125
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.01%			
2H9-EtFOSE	10.197	639.1 -> 59.0	51177	25.0000	µg/L		-19.417
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.64%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8311	2.5000	µg/L		-26.064
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.28%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	8433	0.5145	µg/L		100
PFMPA	3.614	229.0 -> 85.0	32	0.0569	µg/L		100
3-3 FTCA	4.107	241.0 -> 177.0	50	0.0234	µg/L		21
PFPeA	4.223	263.0 -> 219.0	12821	0.4064	µg/L	#	100
PFMBA	4.416	279.0 -> 85.0	16	0.0343	µg/L		100
4-2 FTSA	5.115	327.0 -> 307.0	44	0.0024	µg/L		41
NFDHA	4.811	295.0 -> 201.0	2	0.0021	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	14931	0.2870	µg/L		100
PFBS	4.930	298.9 -> 80.0	13155	0.6454	µg/L		91
HFPO-DA	5.098	285.0 -> 169.0	139	0.0098	µg/L	#	50
PFEESA	5.189	314.9 -> 135.0	23	0.0519	µg/L	#	1
PFHpA	5.398	363.0 -> 319.0	7349	0.1348	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	22	0.1821	µg/L	#	1
PFPeS	5.494	348.9 -> 80.0	712	0.0423	µg/L		94
DONA	5.527	377.0 -> 251.0	116	0.0687	µg/L		98
6-2 FTSA	5.642	427.0 -> 407.0	125	0.1217	µg/L		89
PFOA	5.824	413.0 -> 369.0	7483	0.1574	µg/L		89
PFHxS	5.957	398.9 -> 80.0	2700	0.2230	µg/L		97
PFNA	6.214	463.0 -> 419.0	326	0.0130	µg/L		100
PFHpS	6.263	448.9 -> 80.0	6	0.0007	µg/L	#	1
8-2 FTSA	6.459	527.0 -> 507.0	10	0.0743	µg/L		47
7-3 FTCA	6.597	441.0 -> 317.0	41	0.2578	µg/L	#	40
PFDA	6.592	513.0 -> 469.0	301	0.0032	µg/L		91
N-MeFOSAA	6.517	570.0 -> 419.0	51	0.0136	µg/L		33
PFOS	6.641	498.9 -> 80.0	531	0.0889	µg/L		28
N-EtFOSAA	6.929	584.0 -> 419.0	77	0.0152	µg/L		24
PFUnDA	6.979	563.0 -> 519.0	198	0.0183	µg/L	#	48
9Cl-PF3ONS	7.053	530.9 -> 350.9	21	0.0654	µg/L	#	1
PFNS	6.980	548.9 -> 80.0	10	0.0013	µg/L	#	33
PFDoDA	7.356	613.0 -> 569.0	197	0.0067	µg/L	#	84
PFDS	7.645	598.9 -> 80.0	11	0.0019	µg/L		22
PFTrDA	7.569	663.0 -> 619.0	195	0.0071	µg/L		72

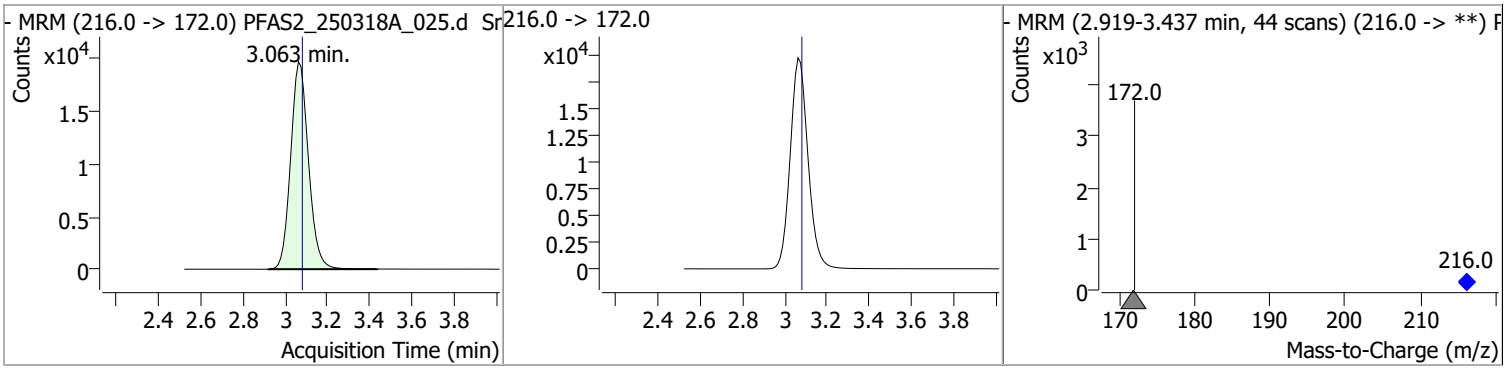
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	7	0.0003	µg/L	#	39
PFTDA	8.081	712.9 -> 669.0	132	0.0123	µg/L		95
PFDoS	7.832	698.9 -> 80.0	3	0.0007	µg/L	#	1
PFOSA	8.771	497.9 -> 78.0	53	0.0050	µg/L	#	94
MeFOSE	9.890	616.0 -> 59.0	77	0.0000	µg/L		100
N-MeFOSA	10.123	512.0 -> 219.0	5	0.0018	µg/L		1
EtFOSE	10.222	630.0 -> 59.0	66	0.0454	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	9	0.0027	µg/L		79

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

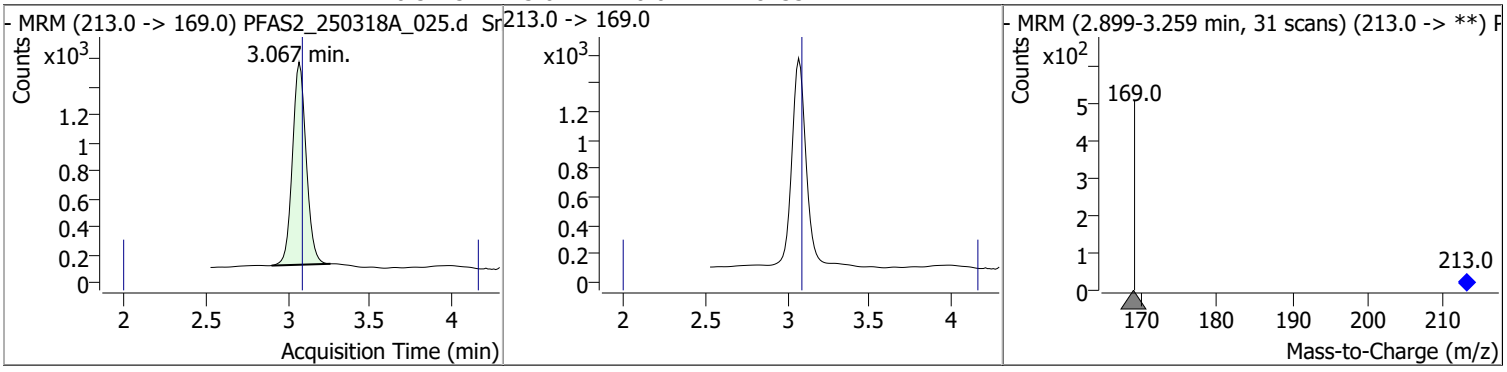
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.4921	3.07	0.00	221609				



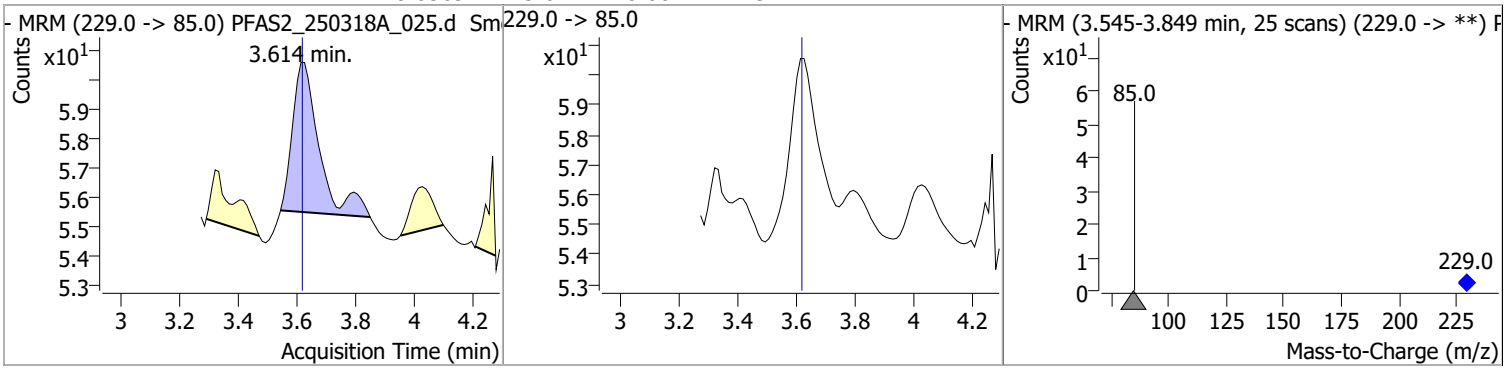
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	114835				



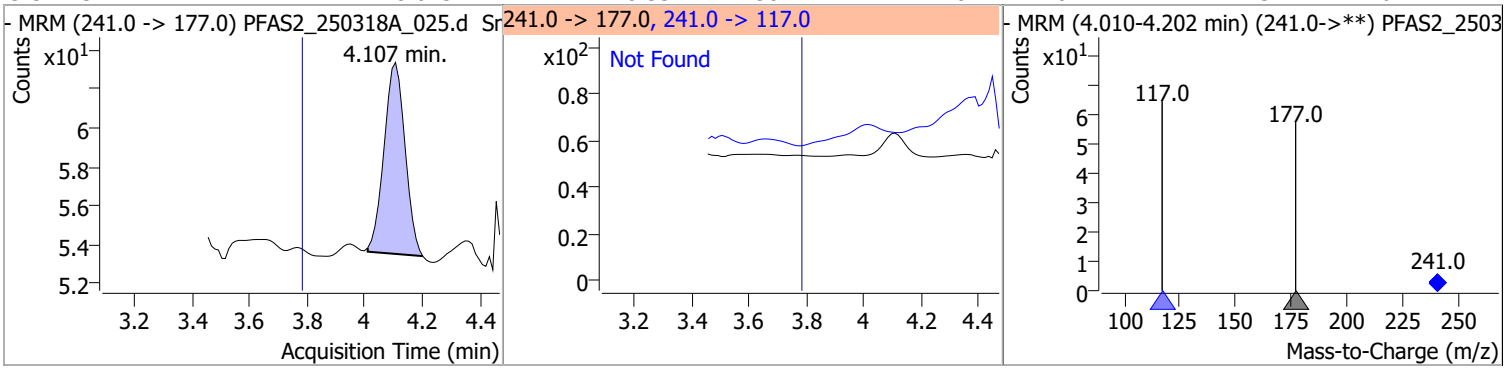
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.5145	3.07	-0.01	8433				



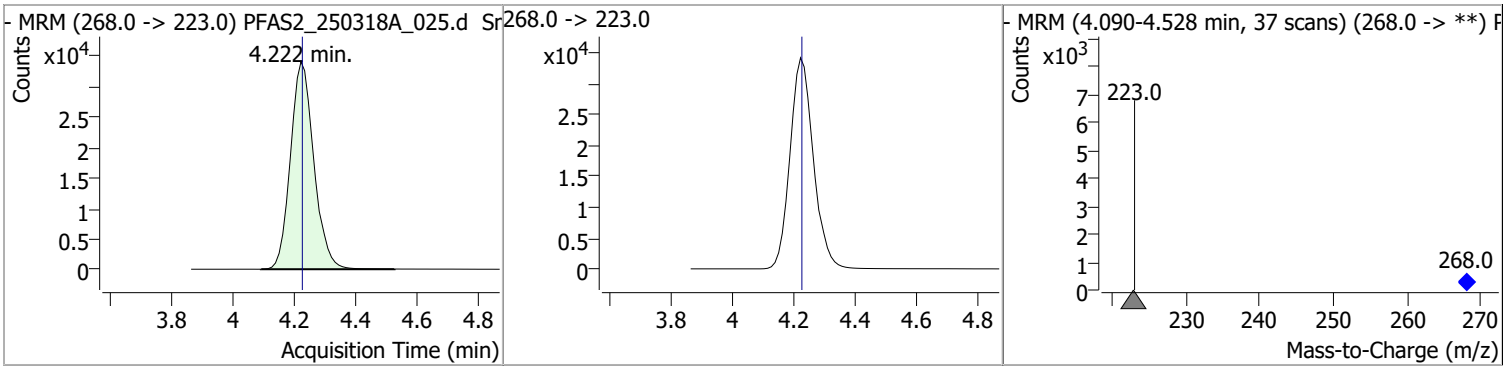
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0569	3.61	0.00	32				



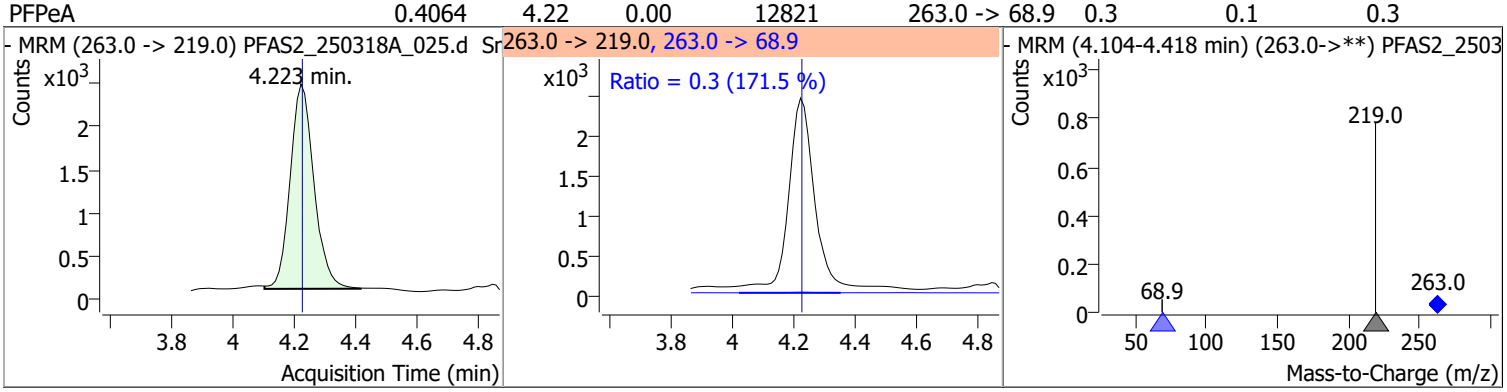
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0234	4.11	0.33	50	241.0 -> 117.0		41.3	76.7



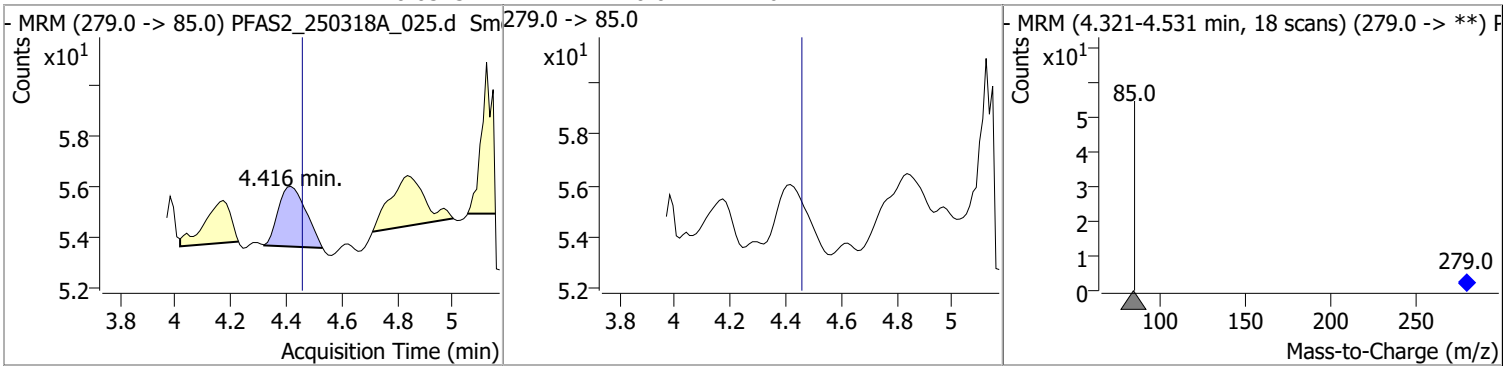
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1418	4.22	0.00	181247				



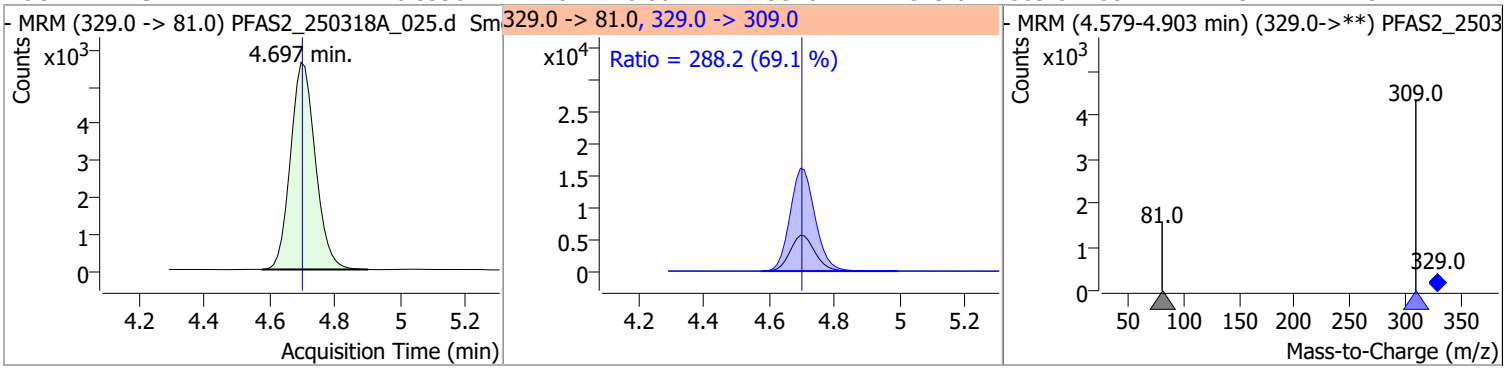
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4064	4.22	0.00	12821	263.0 -> 68.9	0.3	0.1	0.3



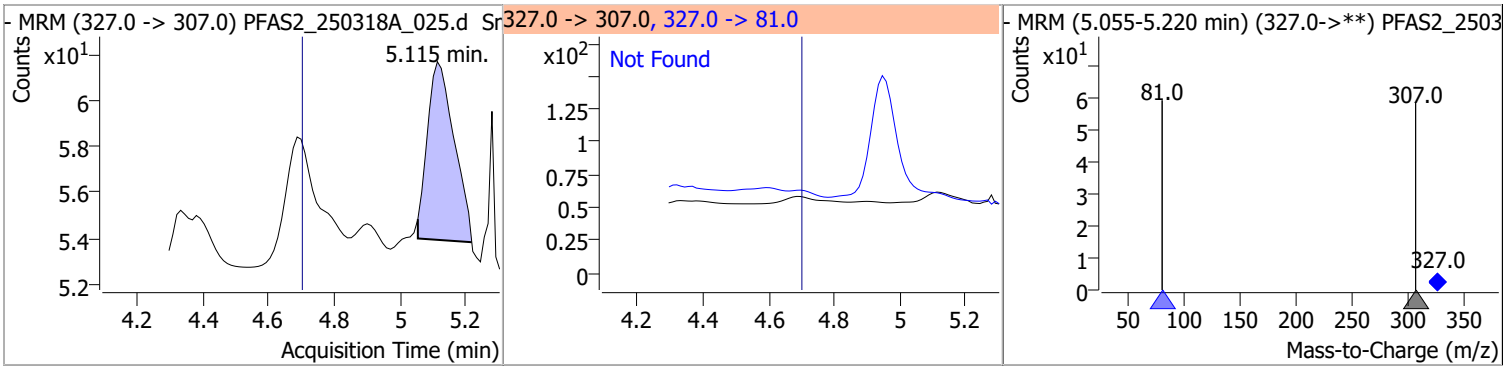
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0343	4.42	-0.04	16				



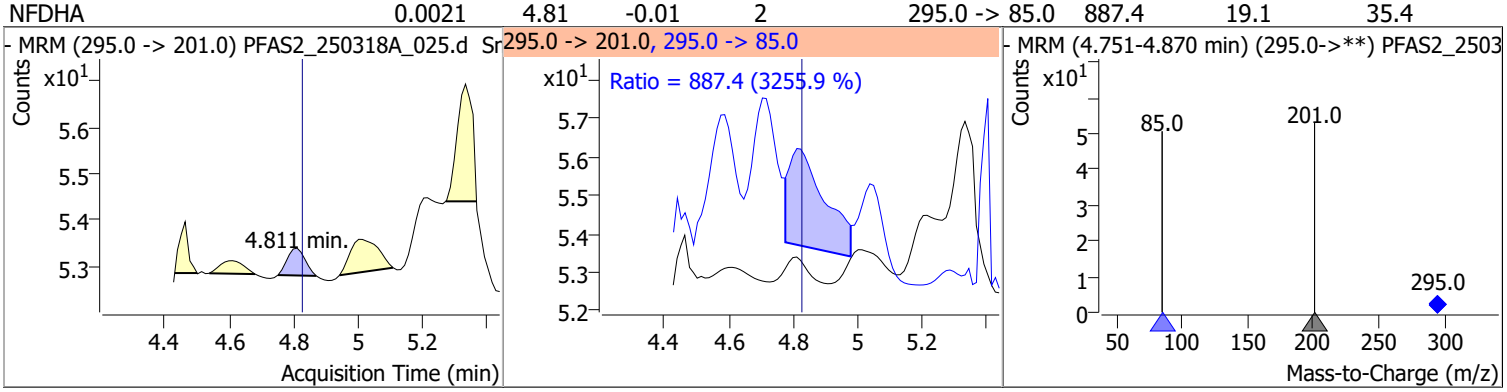
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5996	4.70	0.00	29540	329.0 -> 309.0	288.2	292.1	542.4



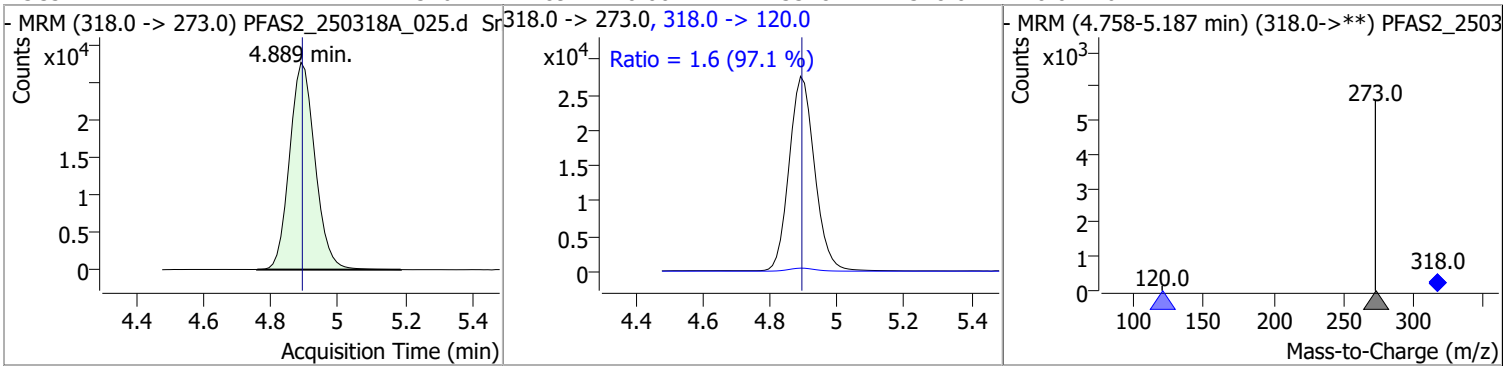
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0024	5.11	0.42	44	327.0 -> 81.0		23.6	43.9



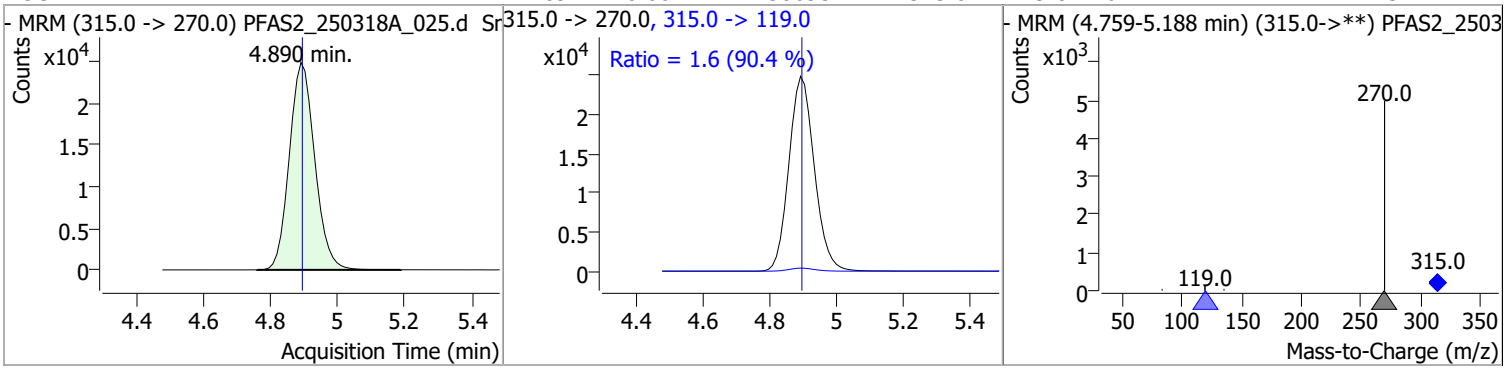
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0021	4.81	-0.01	2	295.0 -> 85.0	887.4	19.1	35.4



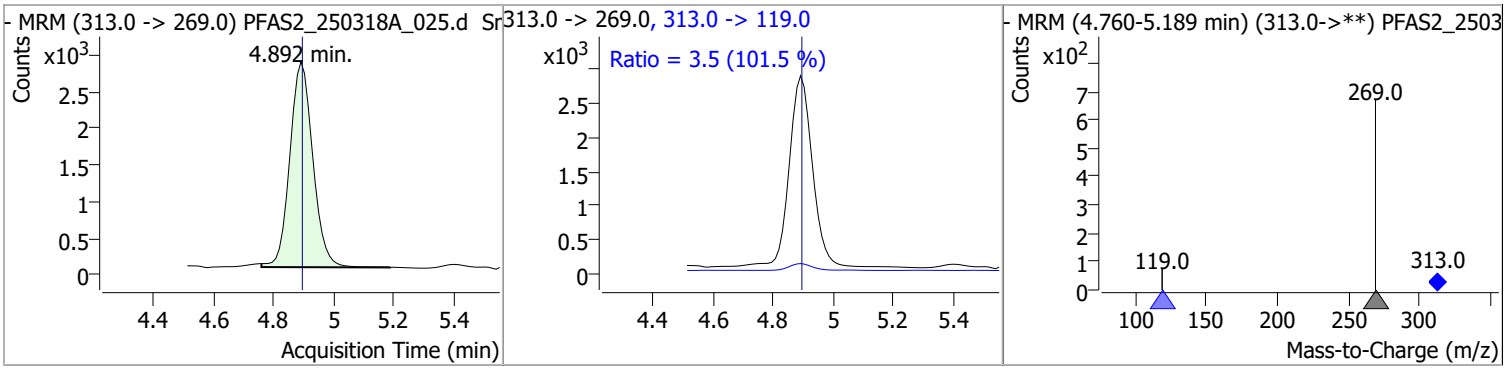
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5264	4.89	0.00	145378	318.0 -> 120.0	1.6	1.1	2.1



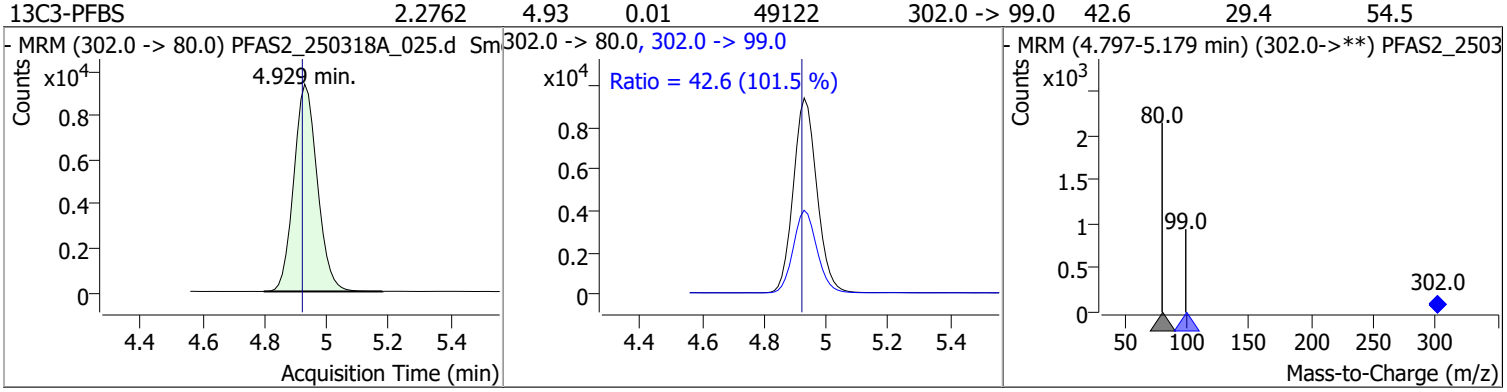
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	130693	315.0 -> 119.0	1.6	1.2	2.3



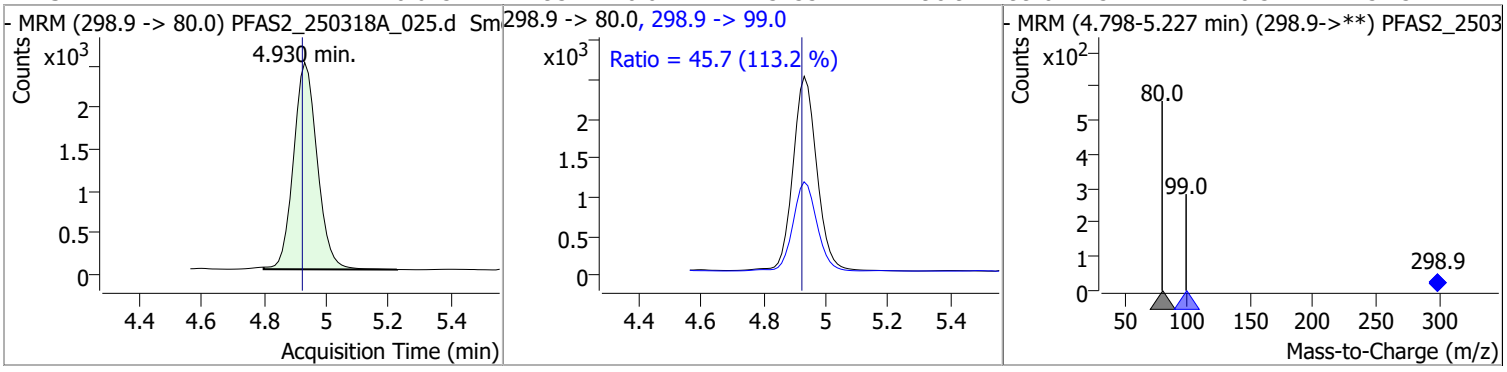
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2870	4.89	0.00	14931	313.0 -> 119.0	3.5	2.4	4.5



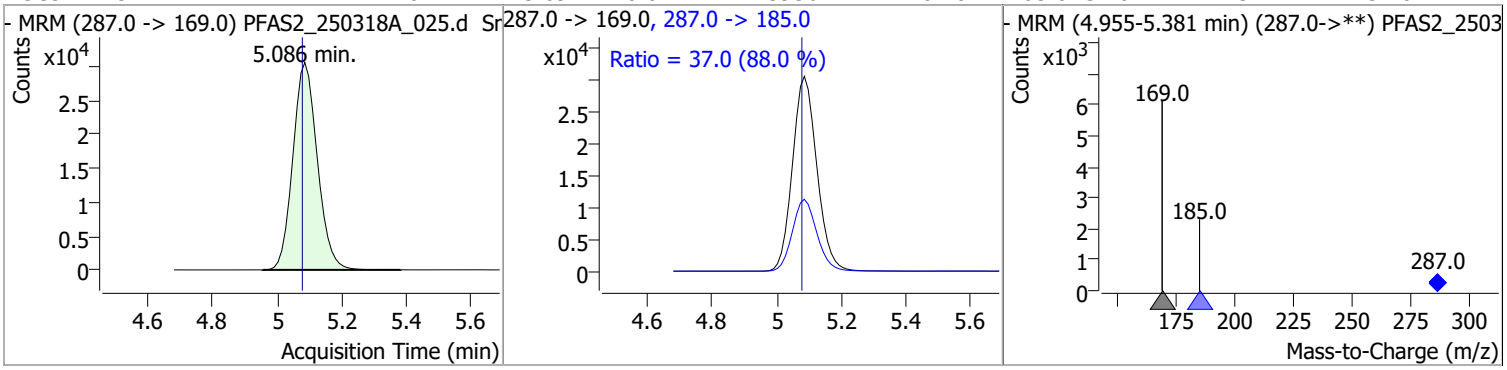
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2762	4.93	0.01	49122	302.0 -> 99.0	42.6	29.4	54.5



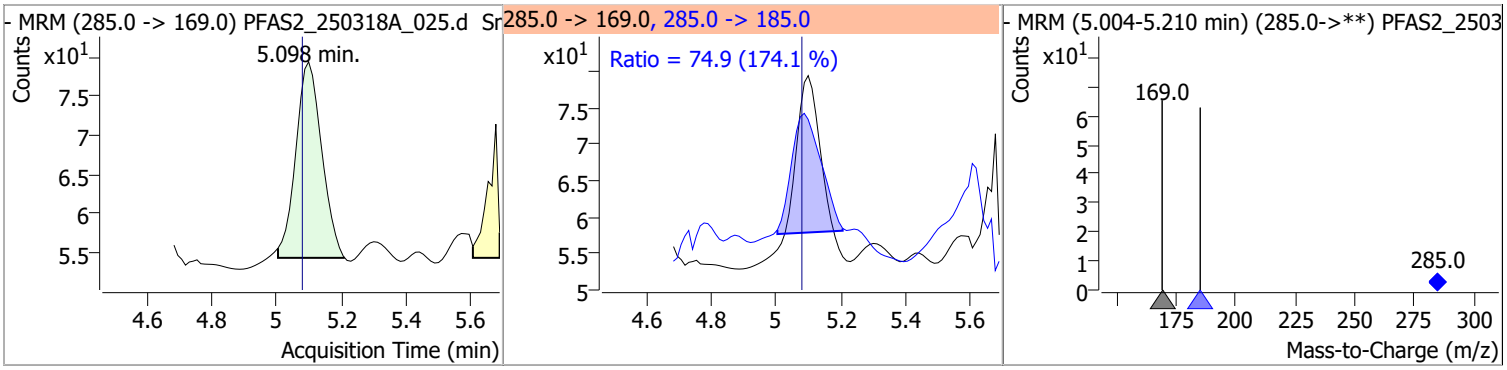
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6454	4.93	0.01	13155	298.9 -> 99.0	45.7	28.3	52.5



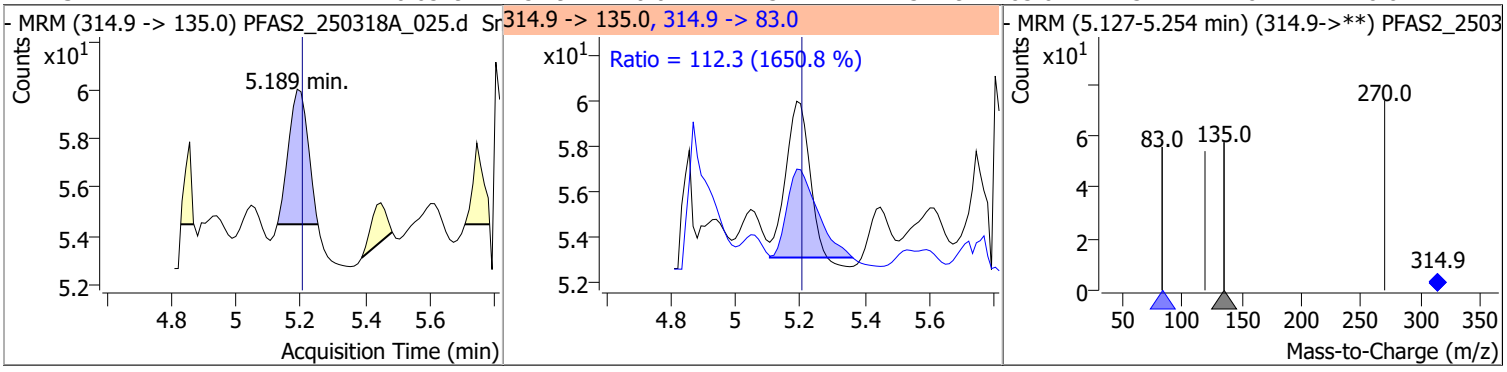
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.7177	5.09	0.01	159567	287.0 -> 185.0	37.0	29.4	54.6



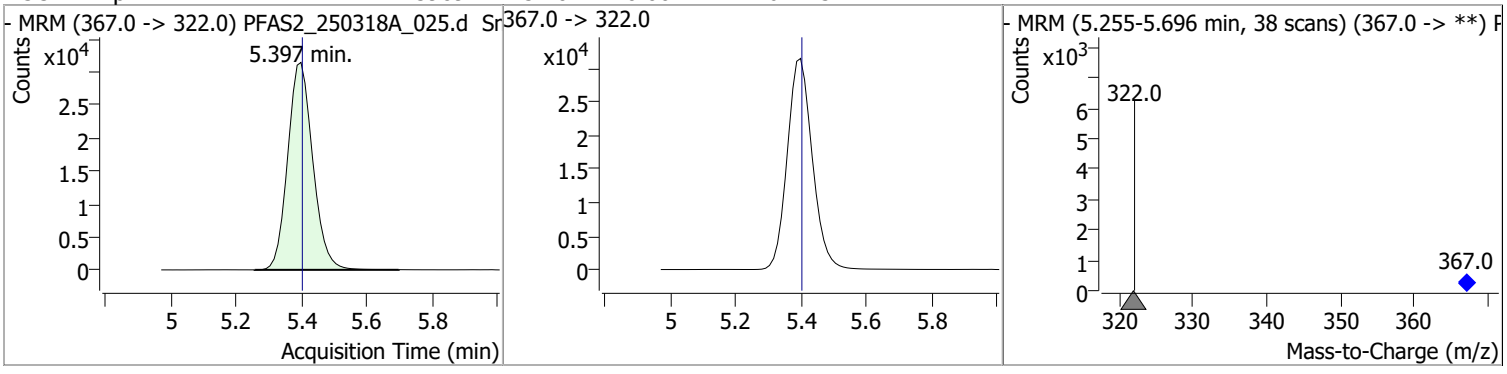
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0098	5.10	0.02	139	285.0 -> 185.0	74.9	30.1	56.0



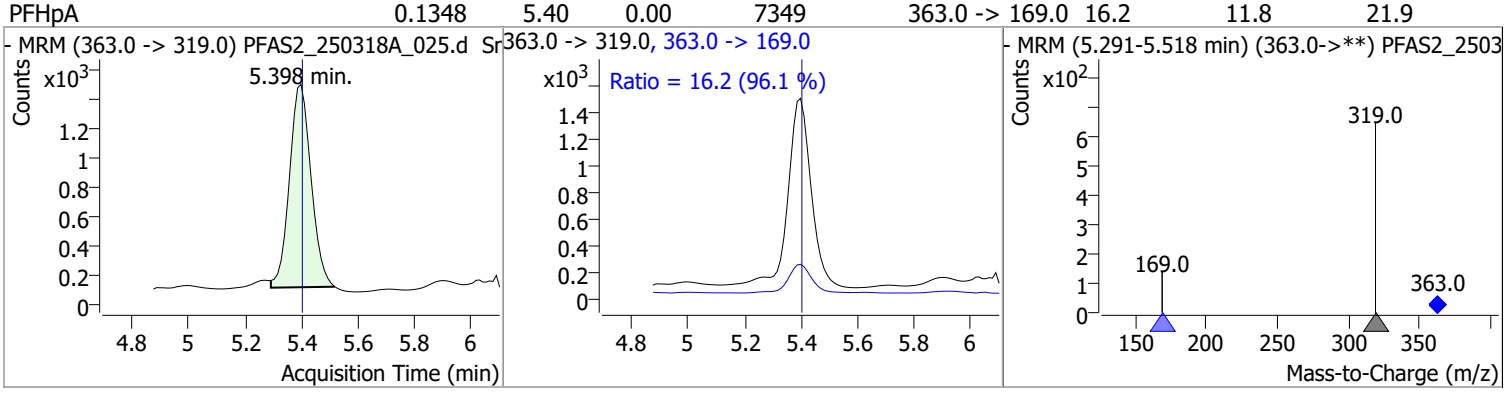
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.19	-0.01	23	314.9 -> 83.0	112.3	4.8	8.8



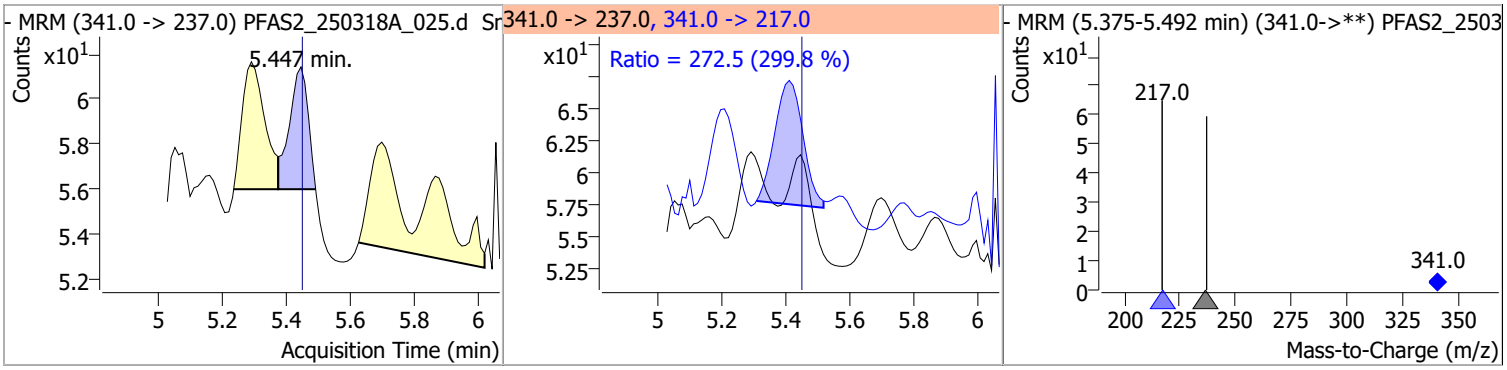
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5989	5.40	0.00	167215				



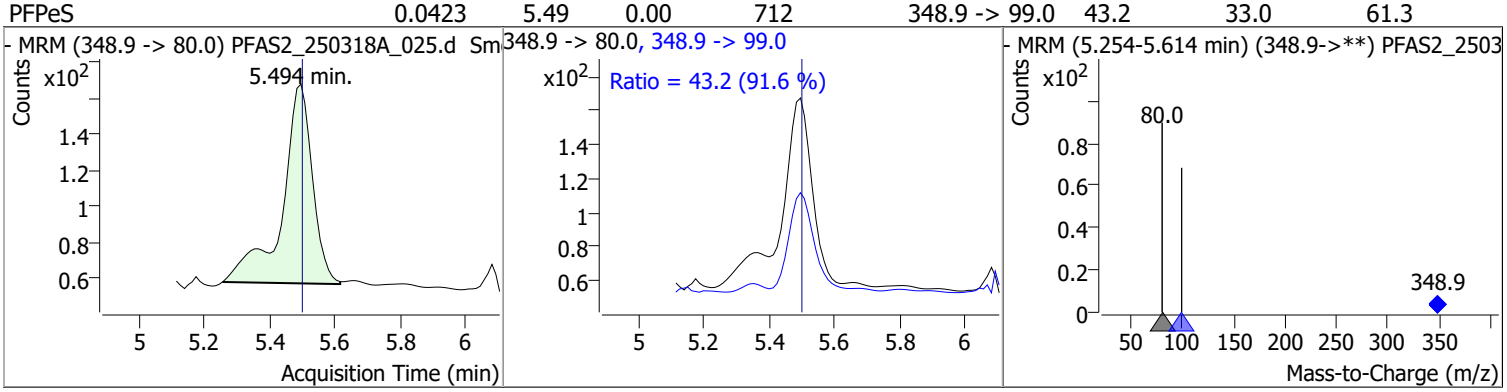
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.1348	5.40	0.00	7349	363.0 -> 169.0	16.2	11.8	21.9



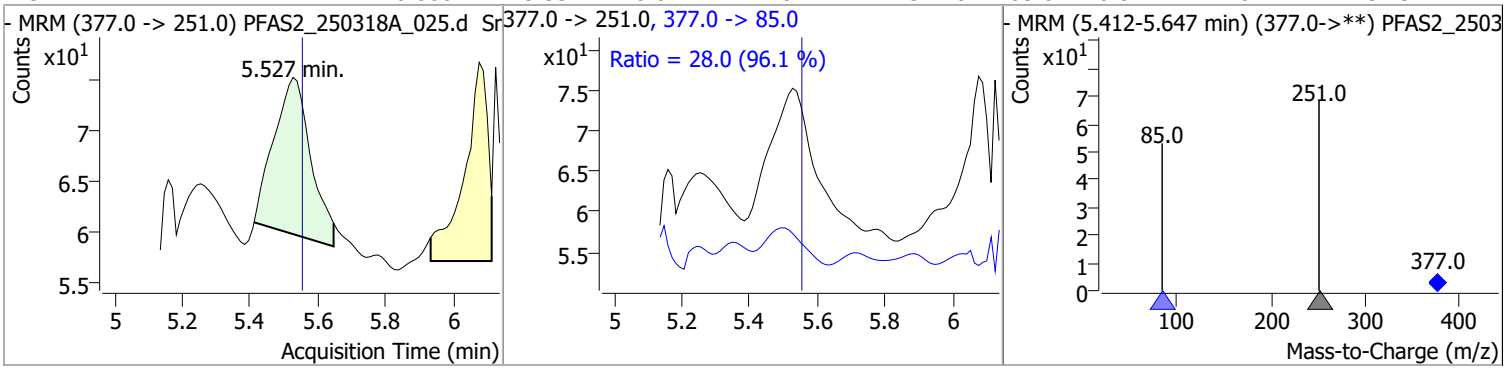
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1821	5.45	0.00	22	341.0 -> 217.0	272.5	63.6	118.1



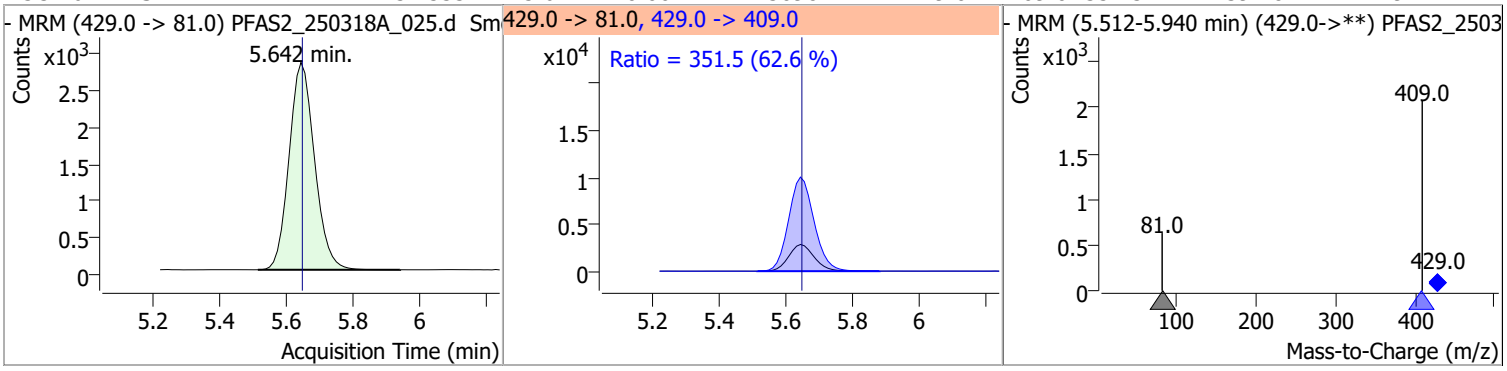
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0423	5.49	0.00	712	348.9 -> 99.0	43.2	33.0	61.3



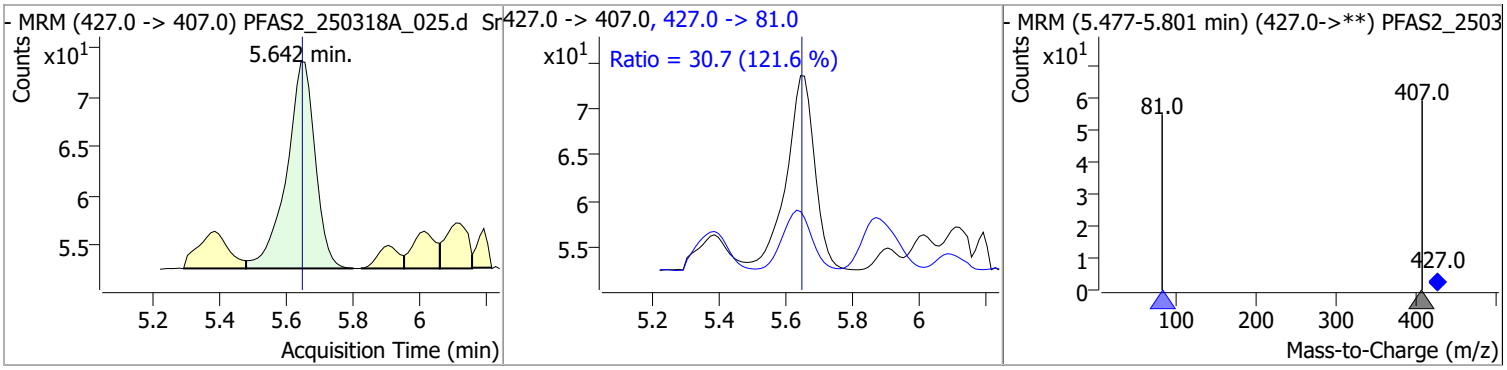
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0687	5.53	-0.02	116	377.0 -> 85.0	28.0	20.4	37.9



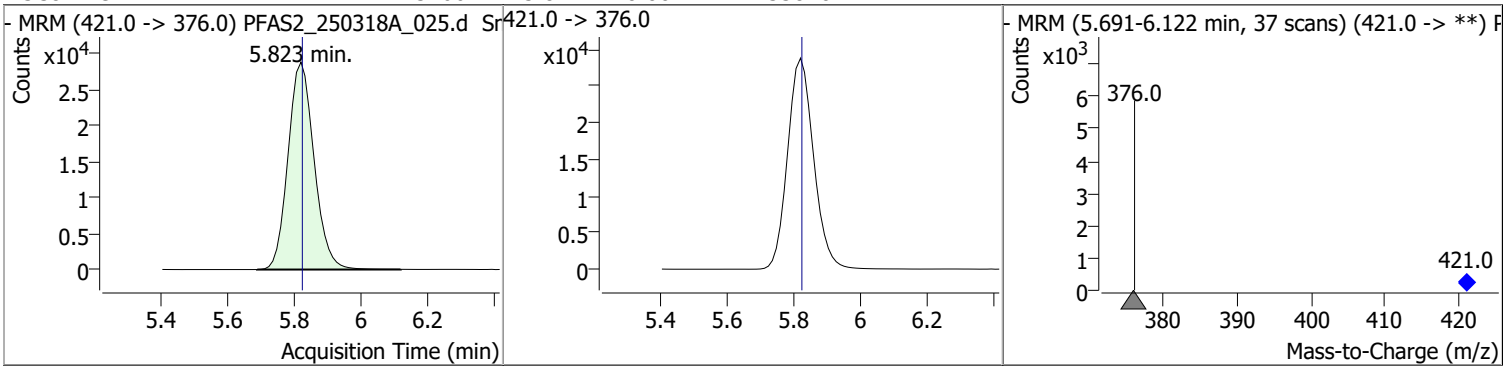
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.7533	5.64	0.00	15098	429.0 -> 409.0	351.5	392.8	729.4



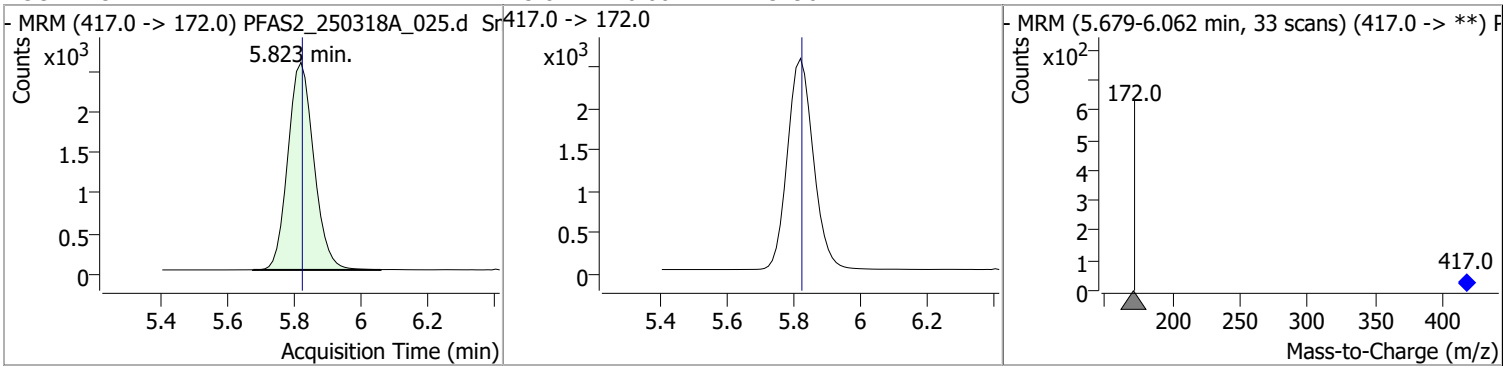
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1217	5.64	0.00	125	427.0 -> 81.0	30.7	17.7	32.8



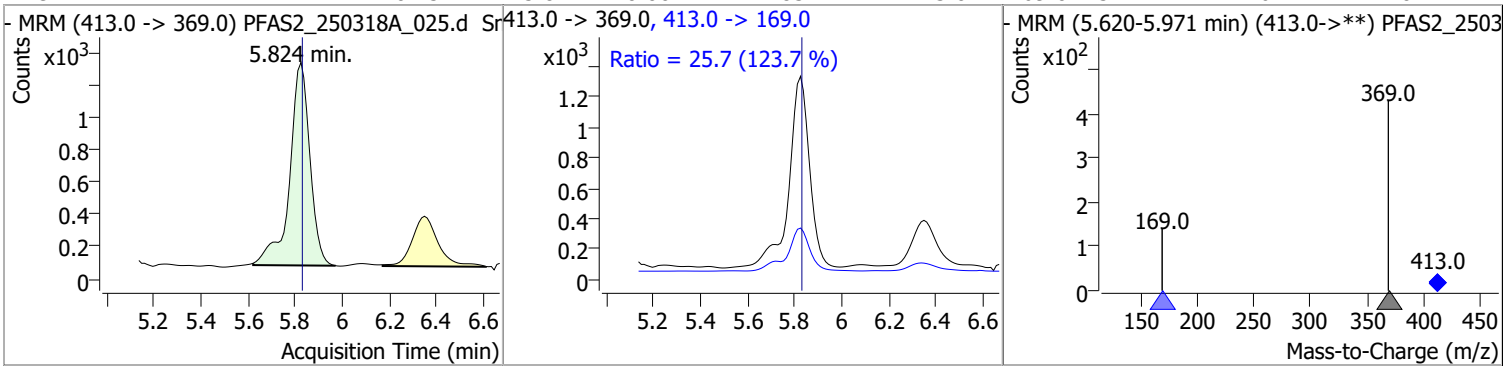
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5266	5.82	0.00	155810				



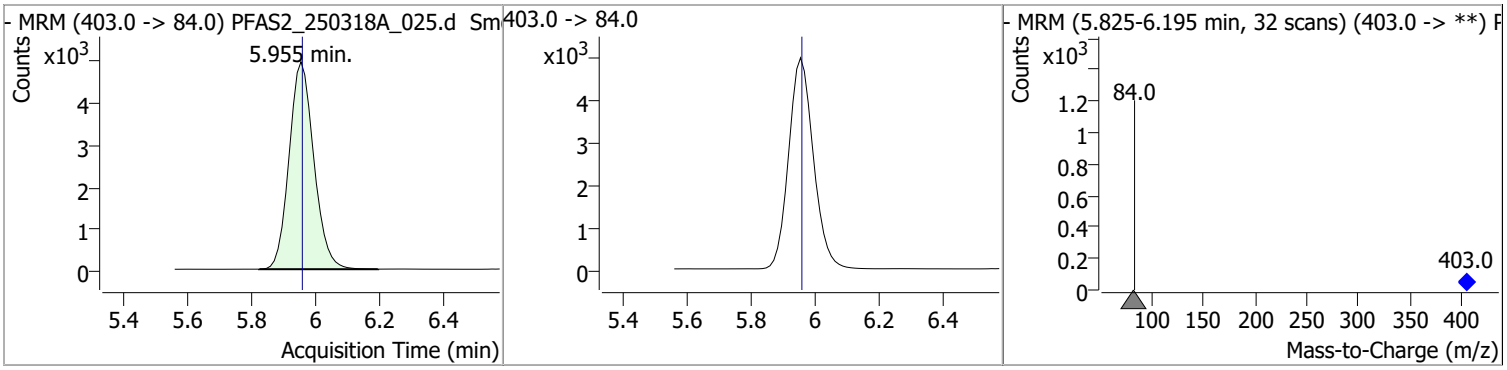
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13790				



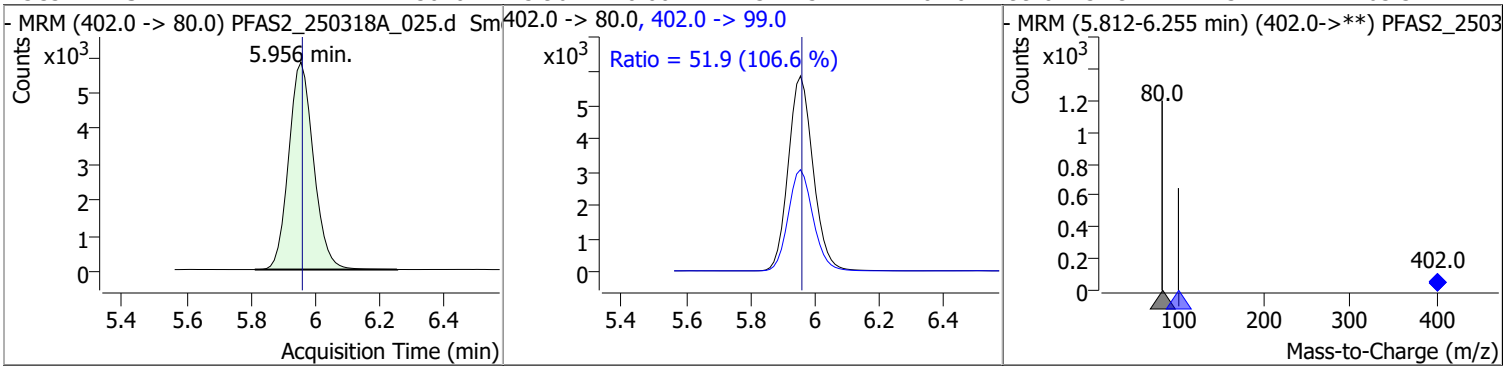
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.1574	5.82	0.00	7483	413.0 -> 169.0	25.7	14.6	27.0



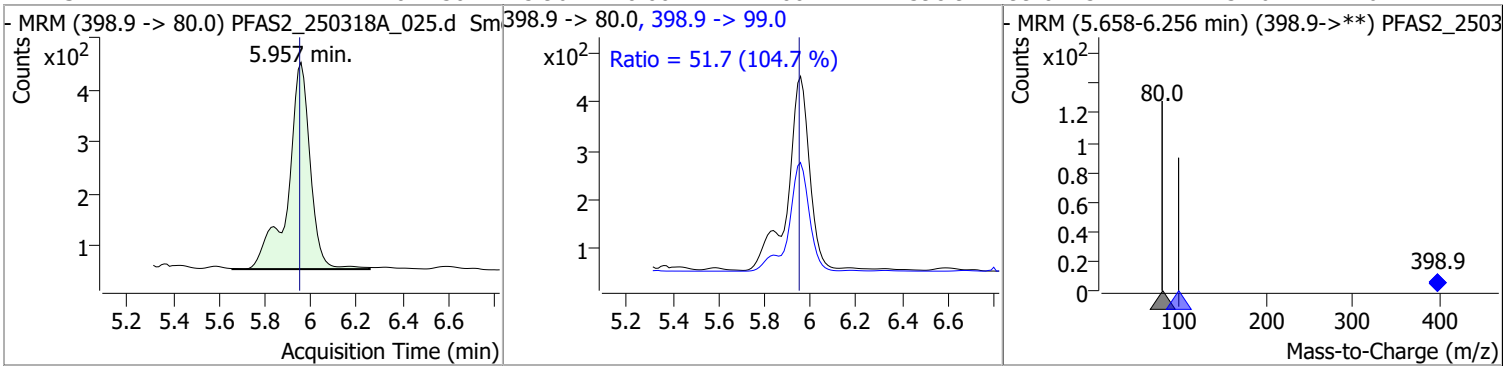
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26354				



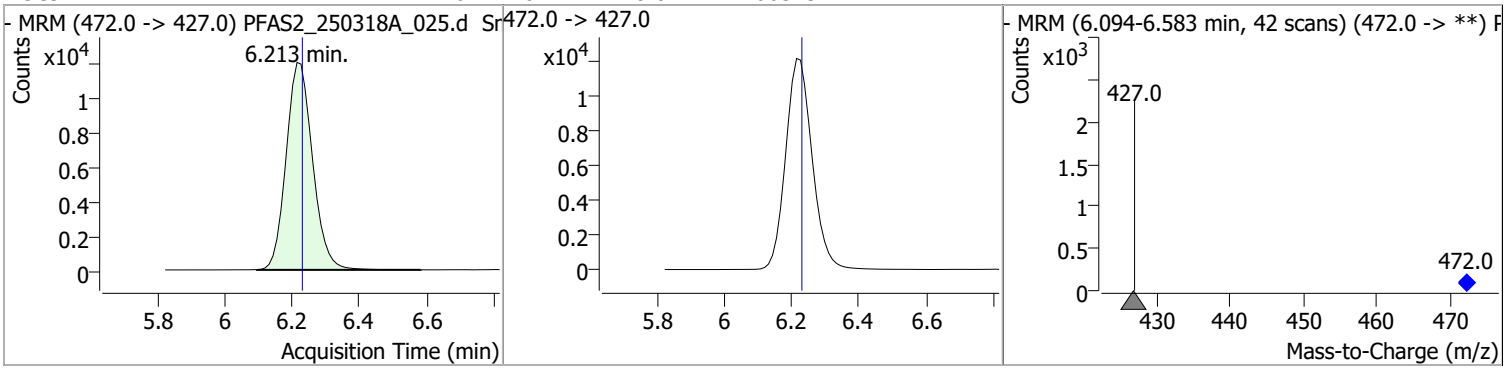
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5040	5.96	0.00	31125	402.0 -> 99.0	51.9	34.1	63.3



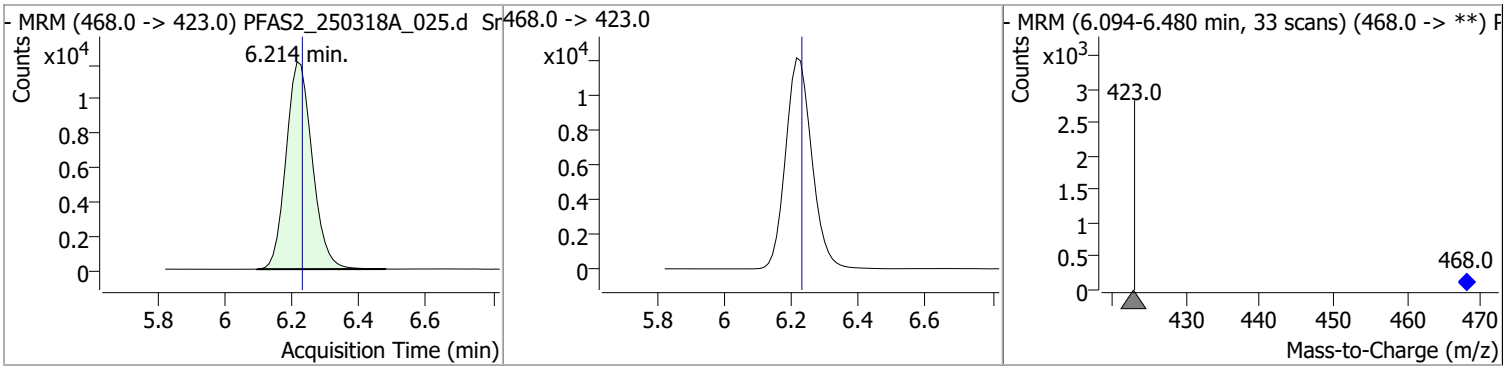
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2230	5.96	0.00	2700	398.9 -> 99.0	51.7	34.6	64.2



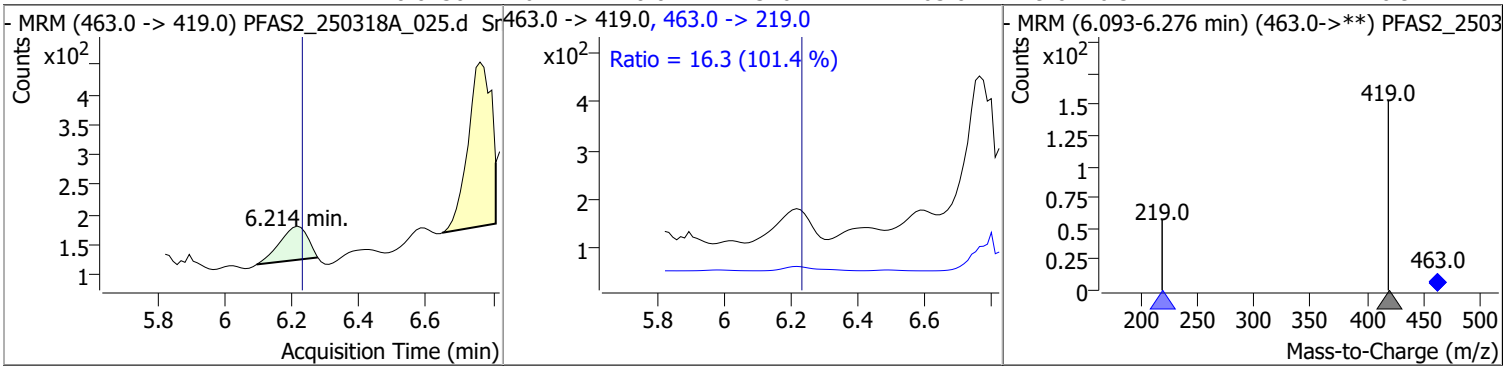
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2746	6.21	-0.01	66519				



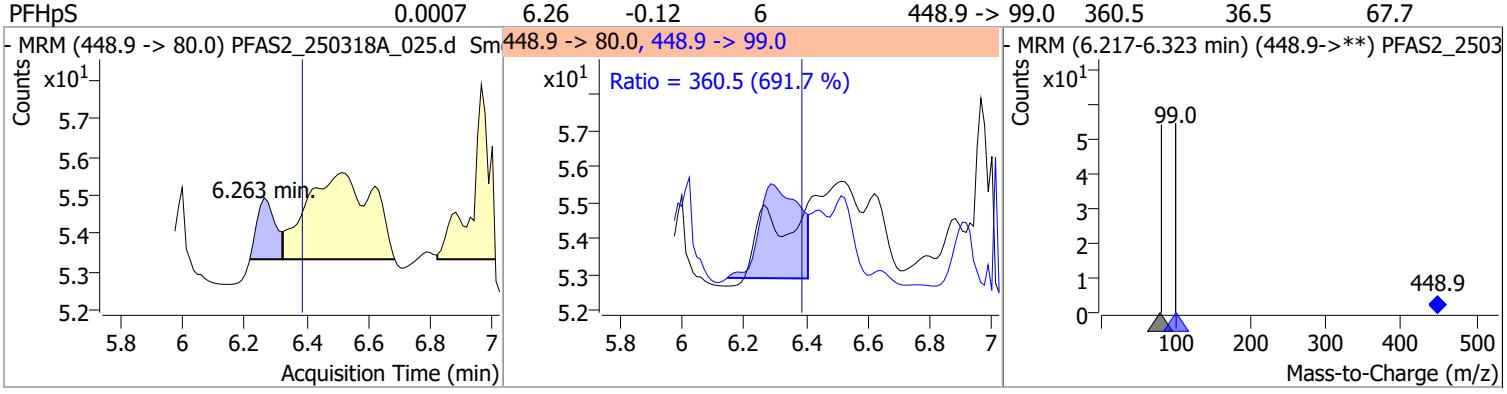
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	65862				



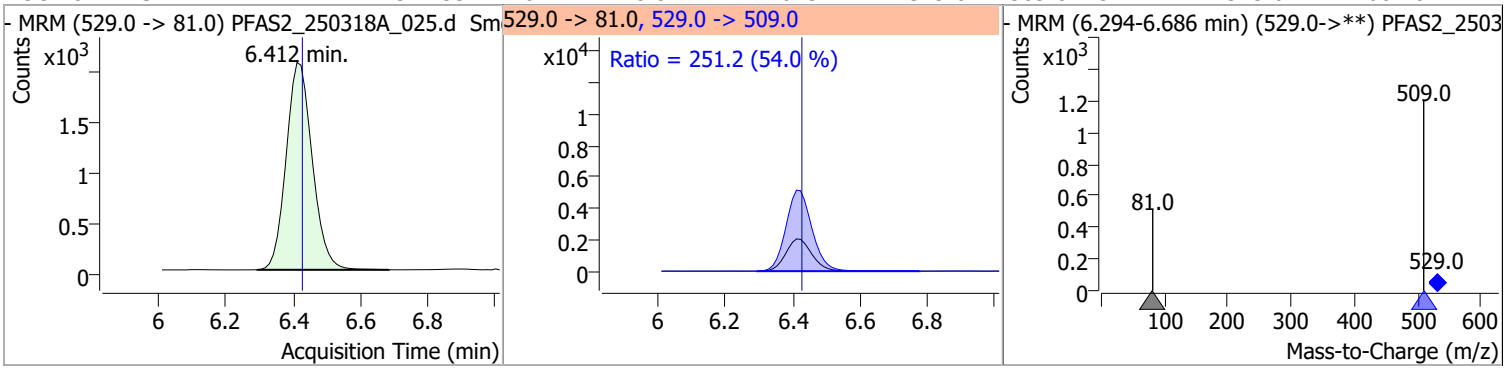
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0130	6.21	-0.01	326	463.0 -> 219.0	16.3	11.2	20.9



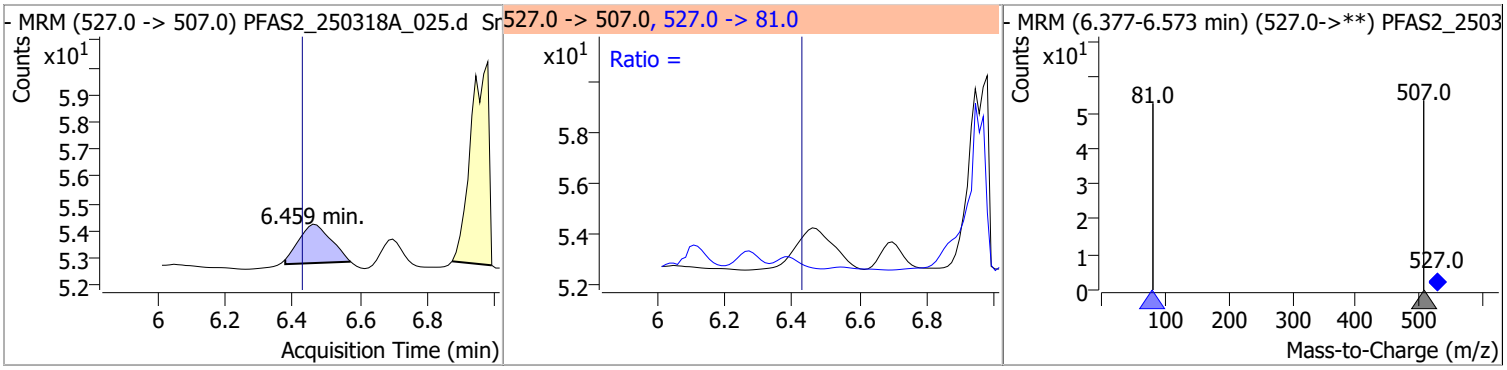
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0007	6.26	-0.12	6	448.9 -> 99.0	360.5	36.5	67.7



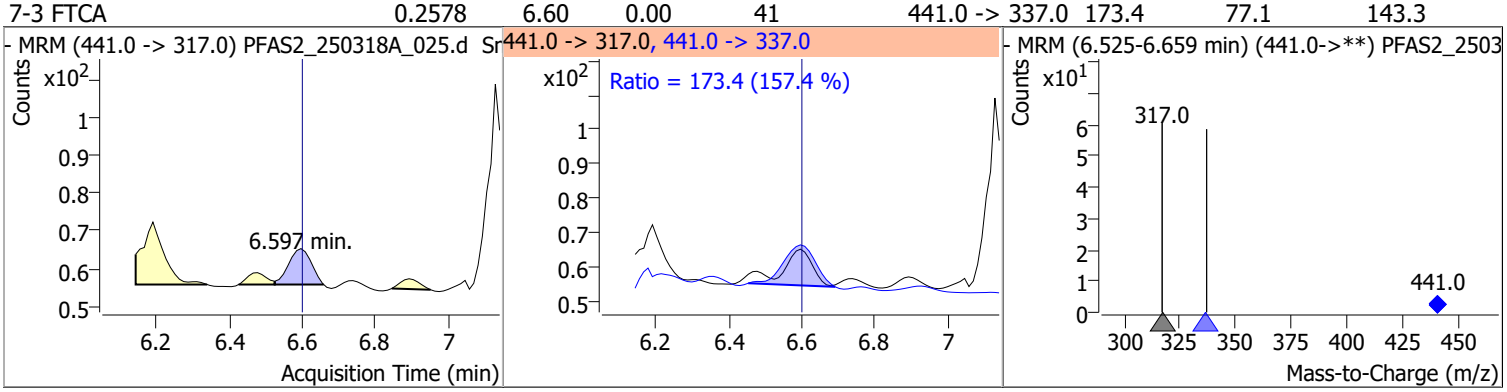
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2253	6.41	-0.01	11025	529.0 -> 509.0	251.2	325.6	604.6



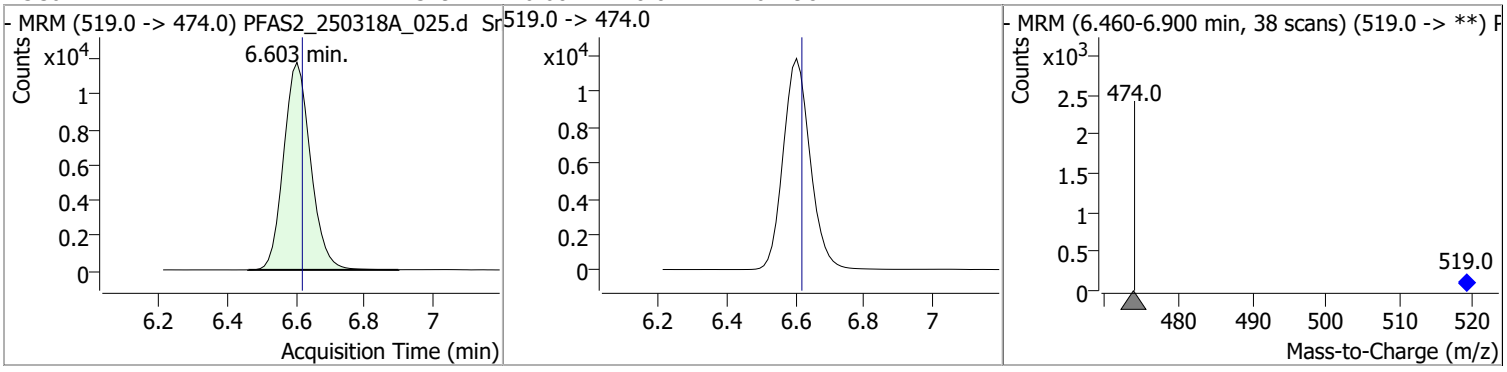
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0743	6.46	0.04	10	527.0 -> 81.0		19.7	36.6



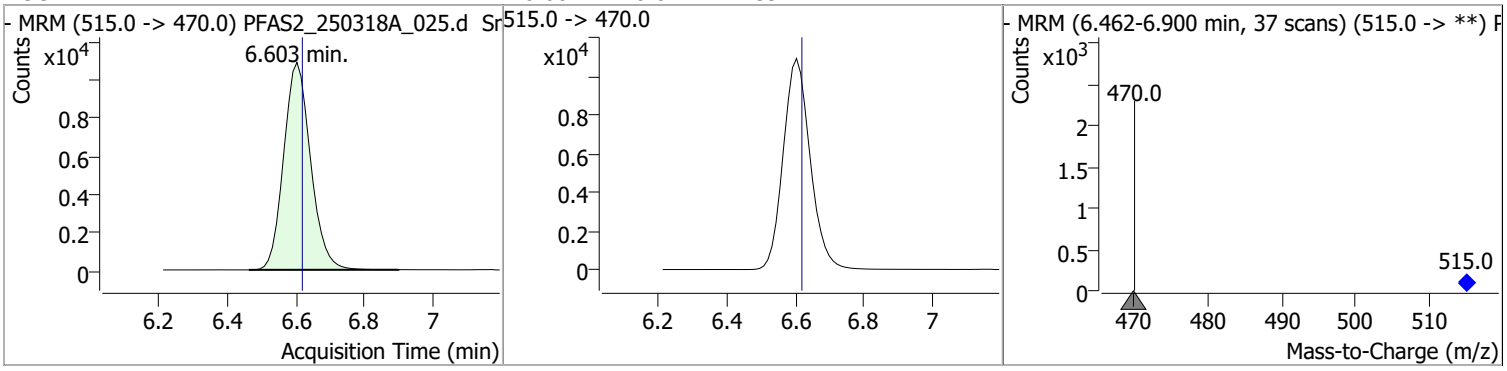
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2578	6.60	0.00	41	441.0 -> 337.0	173.4	77.1	143.3



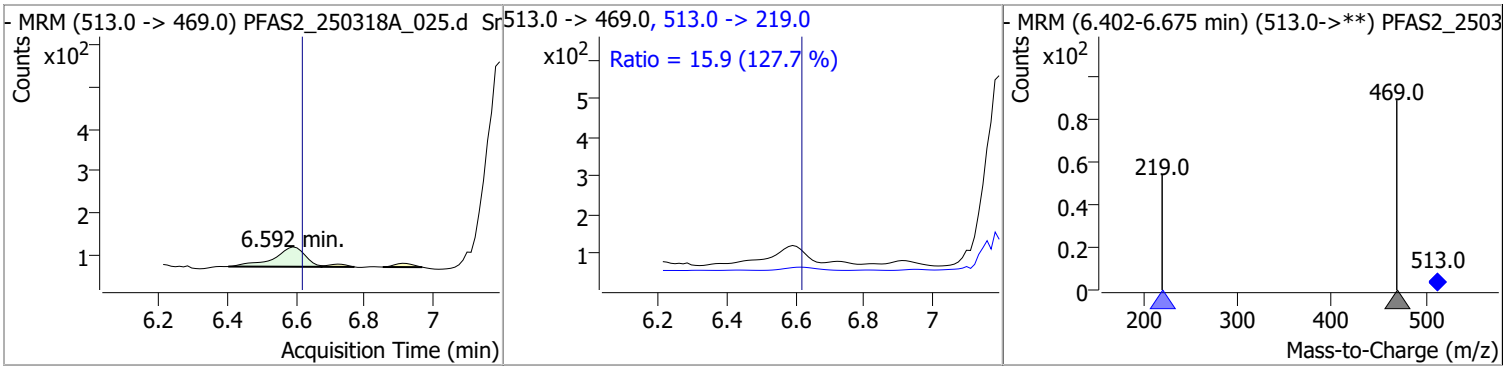
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3297	6.60	-0.01	64298				



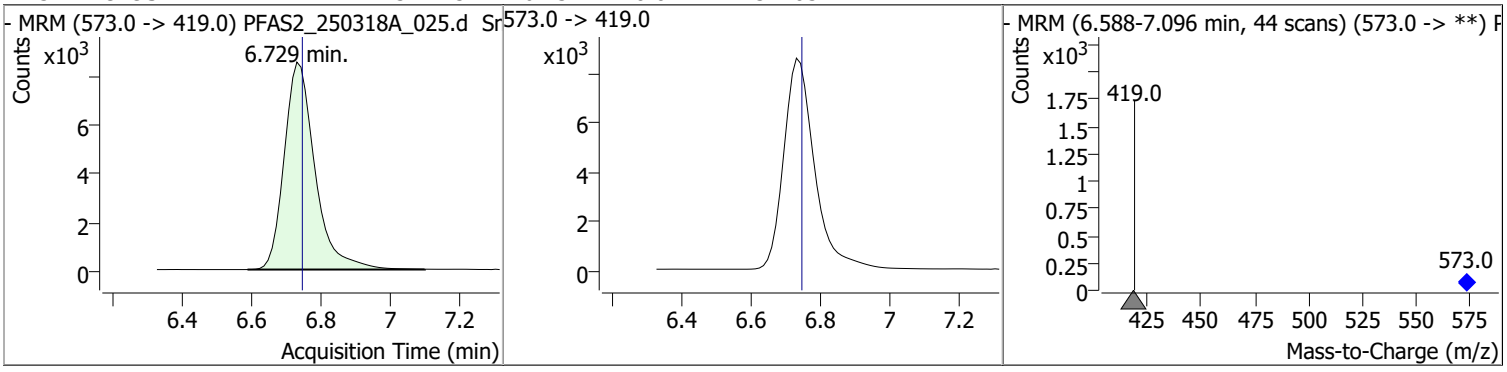
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	59424				



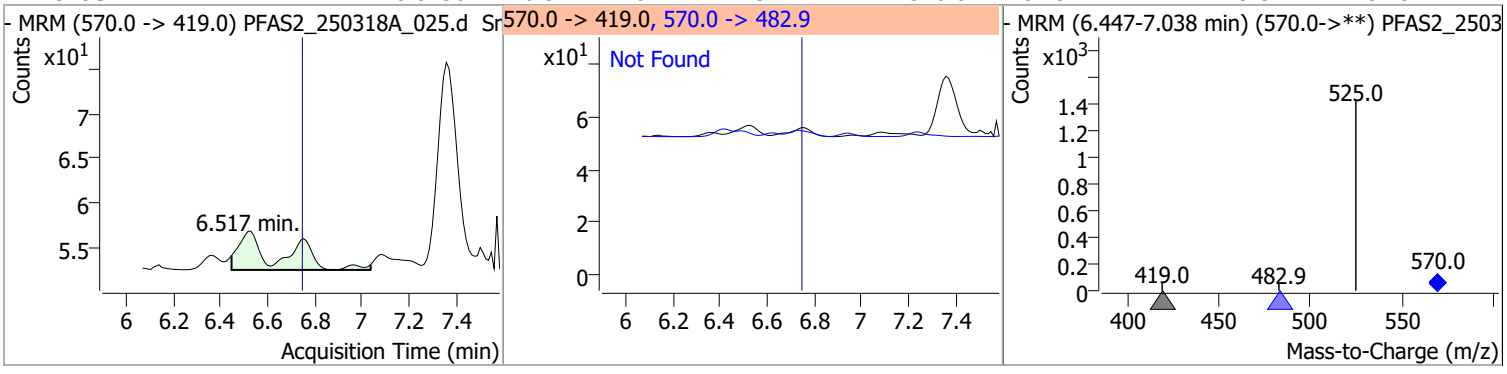
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0032	6.59	-0.02	301	513.0 -> 219.0	15.9	8.7	16.2



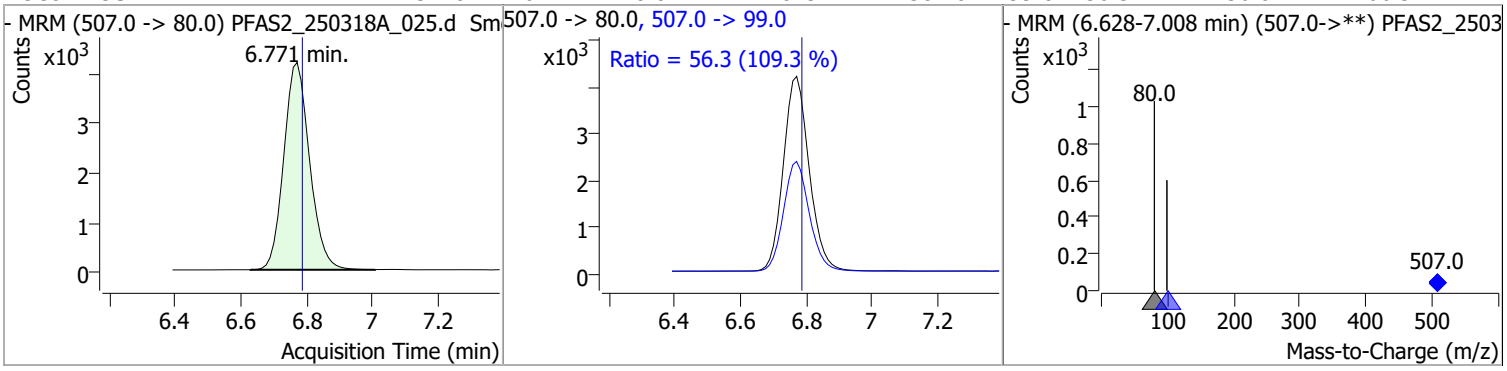
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.2175	6.73	-0.01	52403				



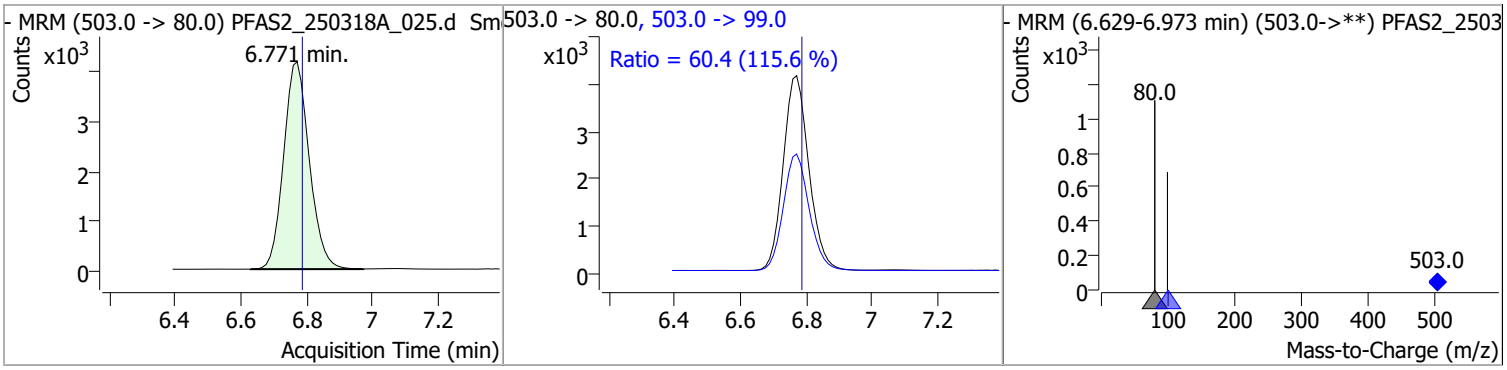
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0136	6.52	-0.22	51	570.0 -> 482.9		29.5	54.9



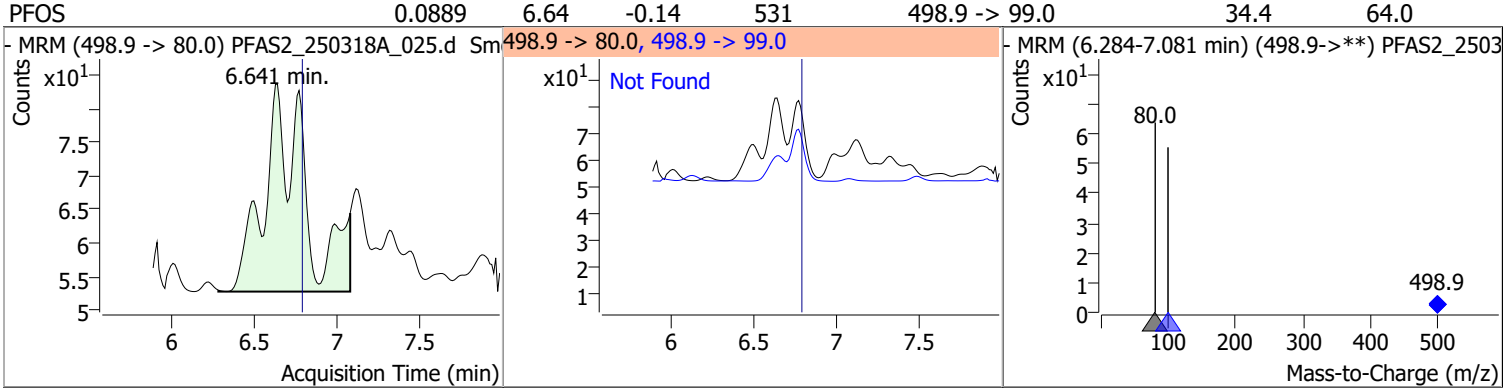
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5118	6.77	-0.01	22819	507.0 -> 99.0	56.3	36.0	66.9



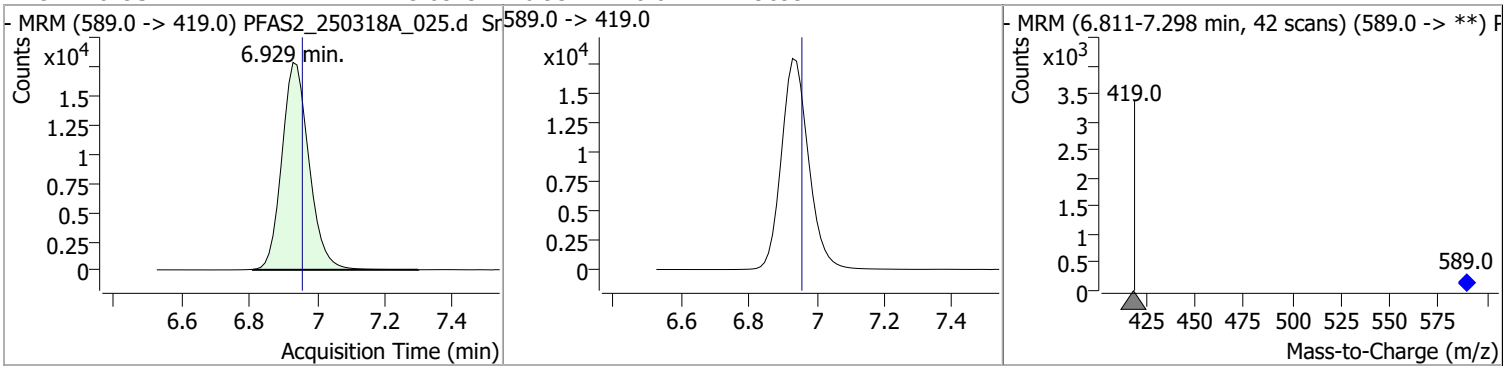
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22384	503.0 -> 99.0	60.4	36.6	67.9



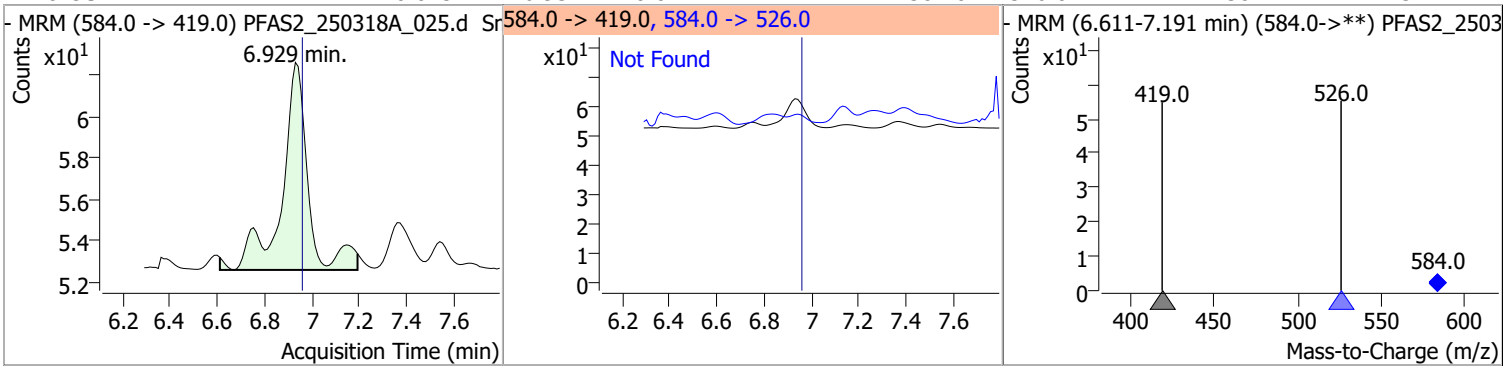
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0889	6.64	-0.14	531	498.9 -> 99.0		34.4	64.0



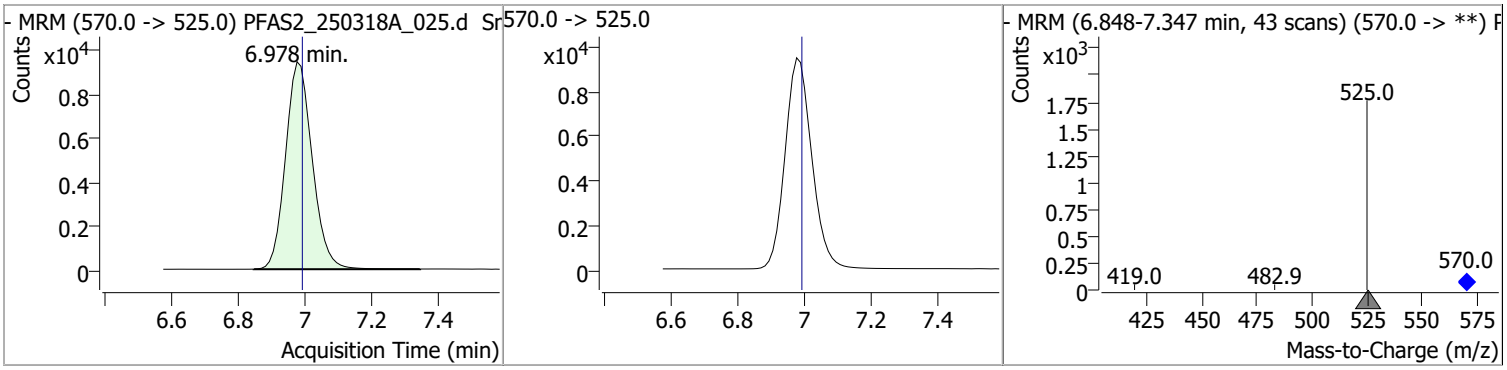
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	13.0549	6.93	-0.02	98992				



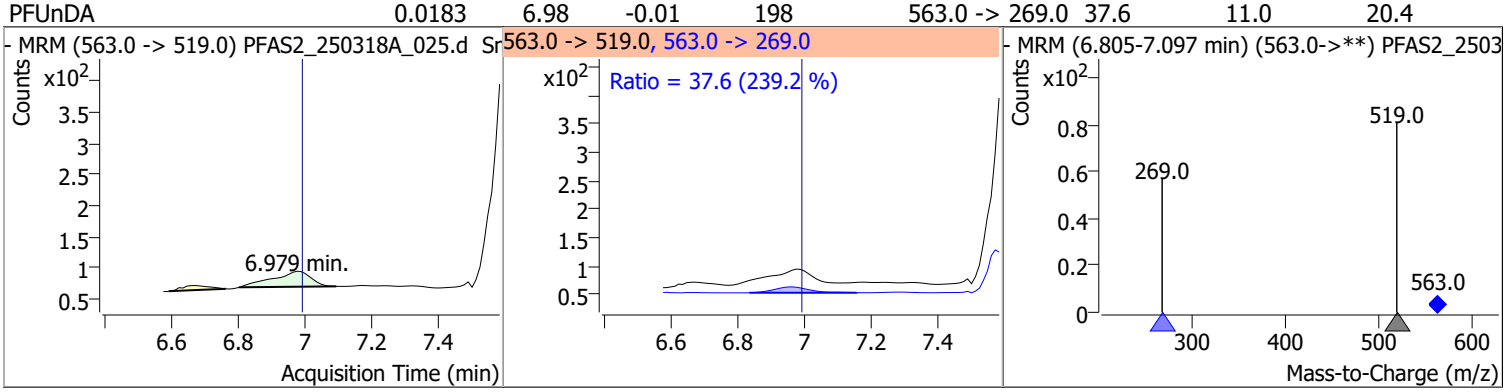
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0152	6.93	-0.02	77	584.0 -> 526.0		38.4	71.3



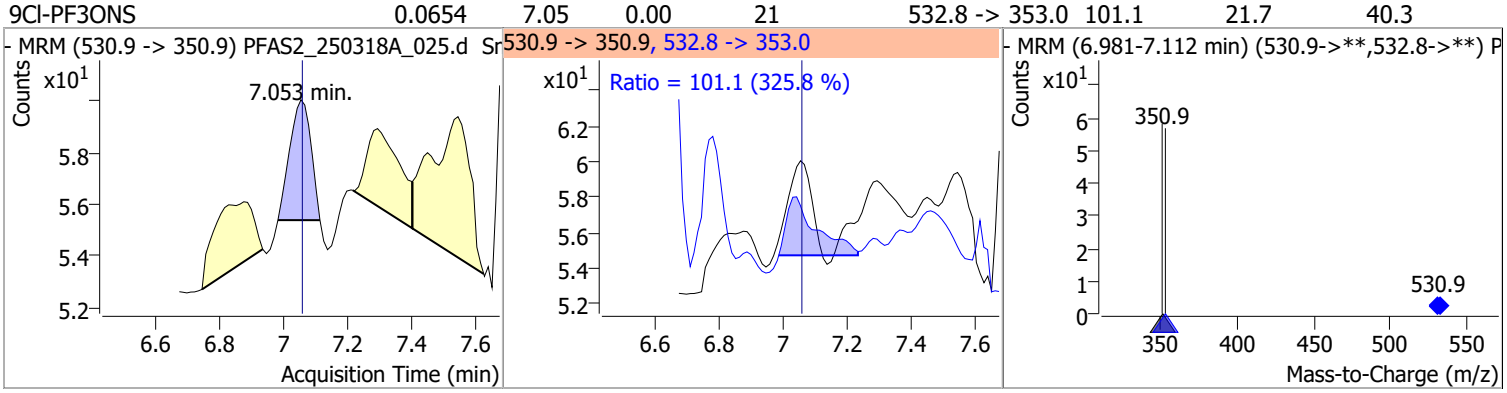
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3808	6.98	-0.01	52620				



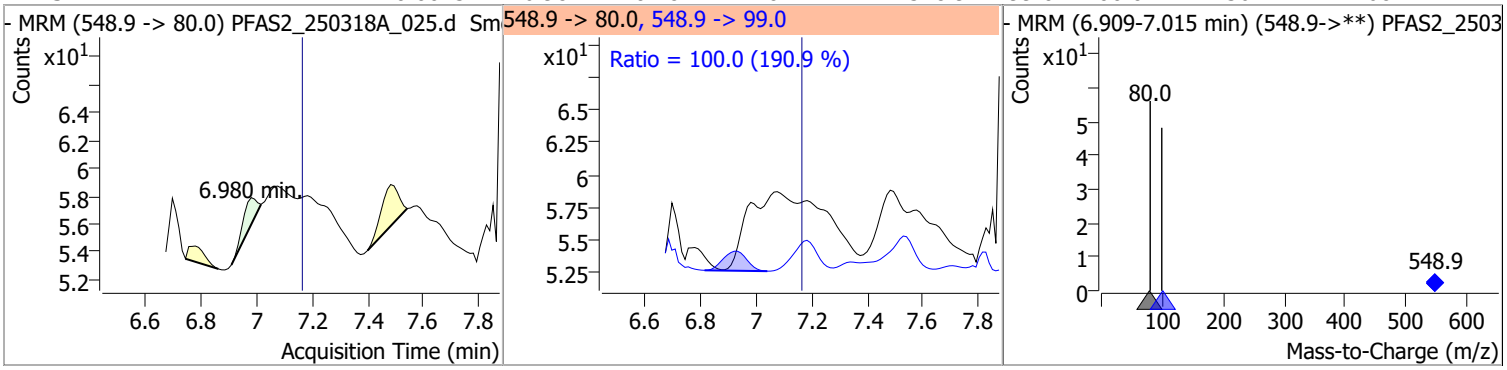
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0183	6.98	-0.01	198	563.0 -> 269.0	37.6	11.0	20.4



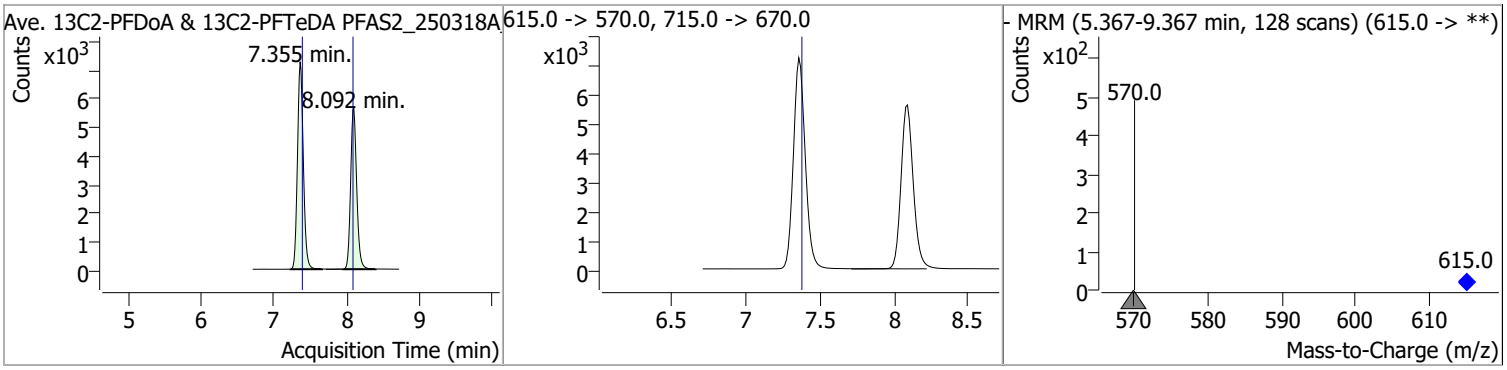
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0654	7.05	0.00	21	532.8 -> 353.0	101.1	21.7	40.3



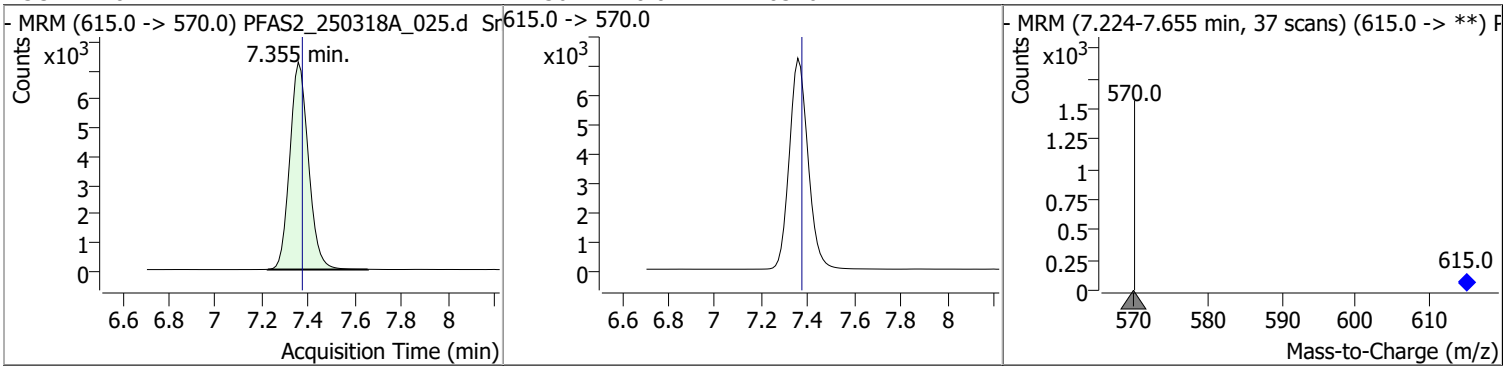
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0013	6.98	-0.18	10	548.9 -> 99.0	100.0	36.7	68.1



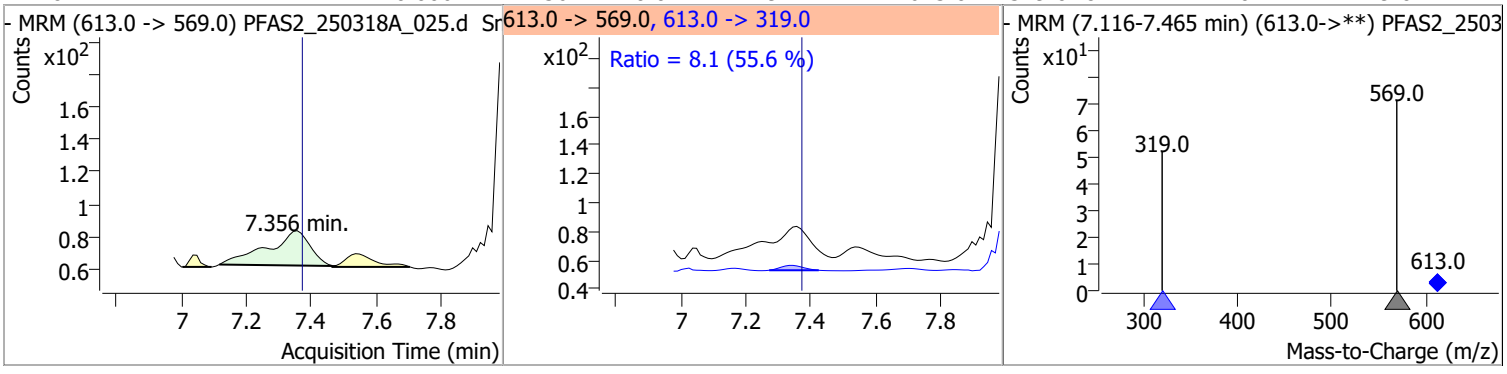
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1608	7.72	0.36	36460				



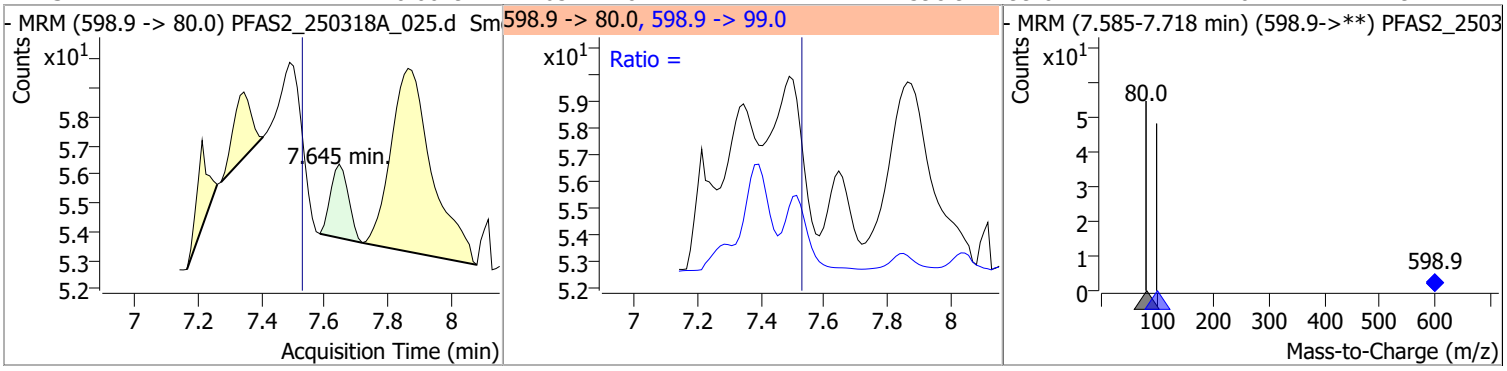
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4221	7.36	-0.01	40376				



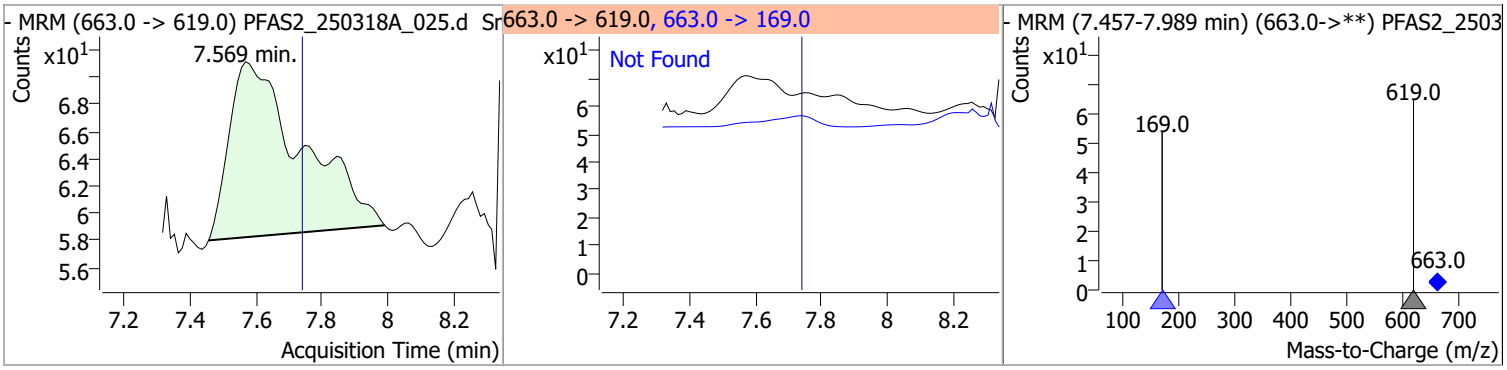
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0067	7.36	-0.01	197	613.0 -> 319.0	8.1	10.2	19.0



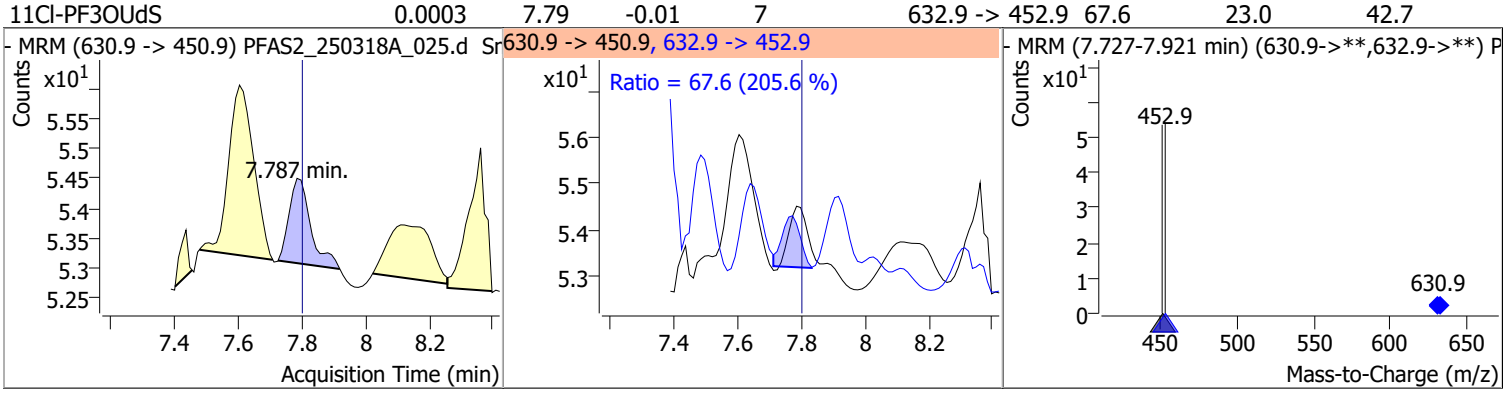
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0019	7.65	0.12	11	598.9 -> 99.0		40.4	74.9



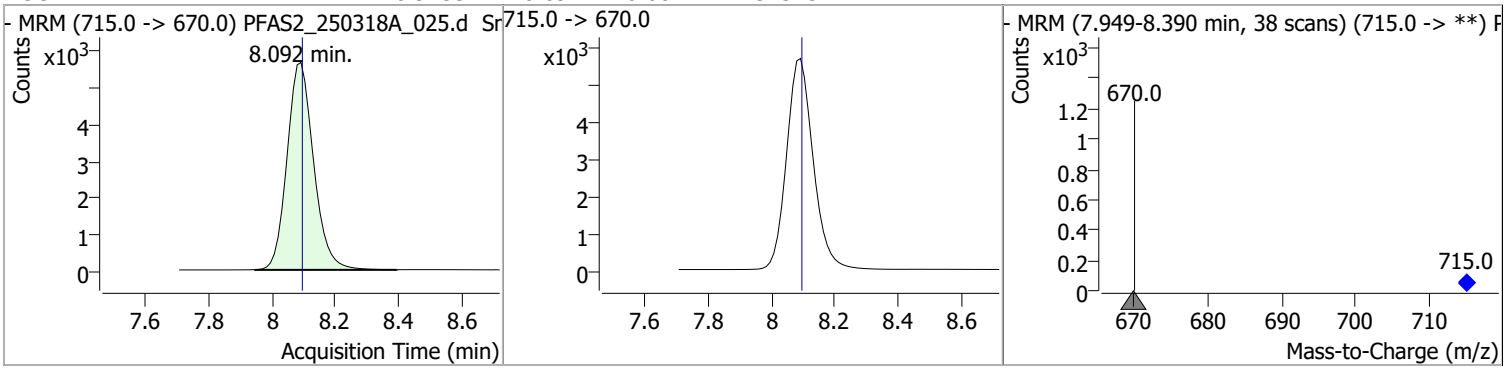
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0071	7.57	-0.17	195	663.0 -> 169.0		7.2	13.4



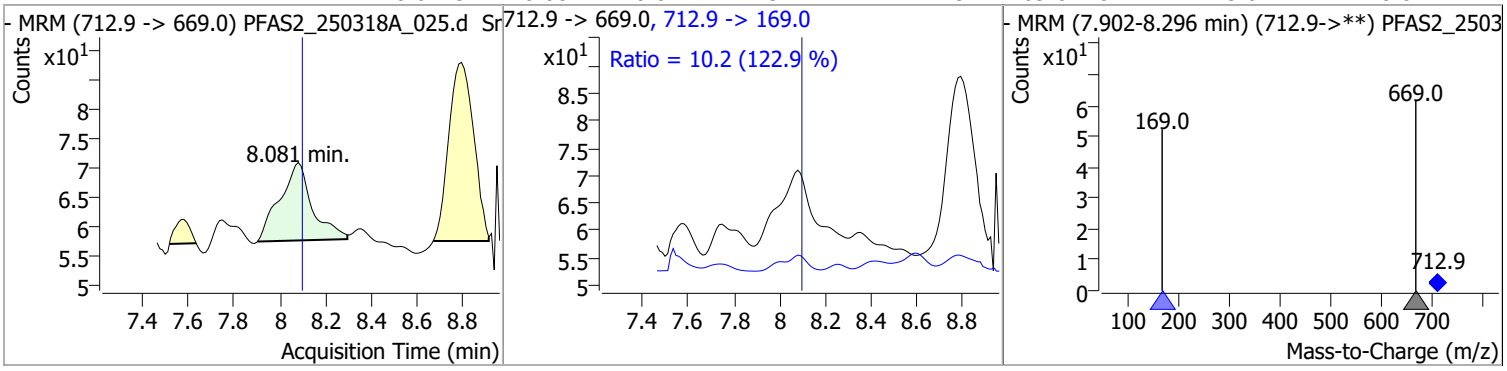
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0003	7.79	-0.01	7	632.9 -> 452.9	67.6	23.0	42.7



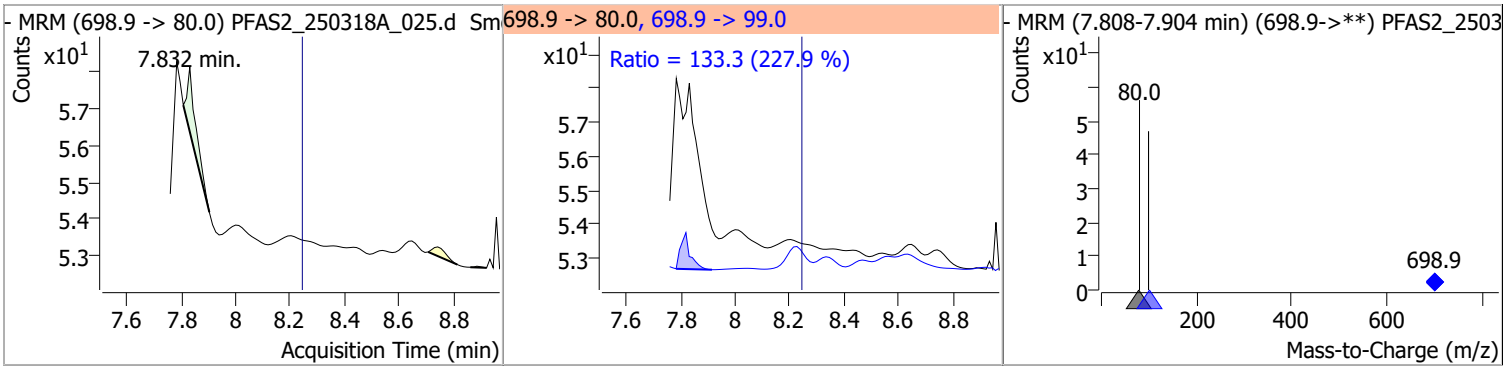
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9453	8.09	0.00	32545				



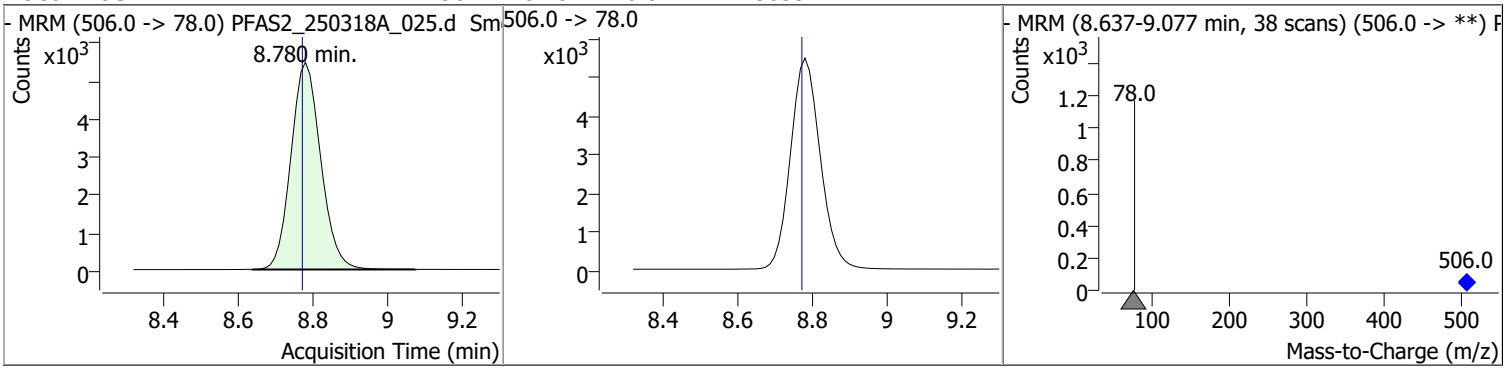
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0123	8.08	-0.01	132	712.9 -> 169.0	10.2	5.8	10.8



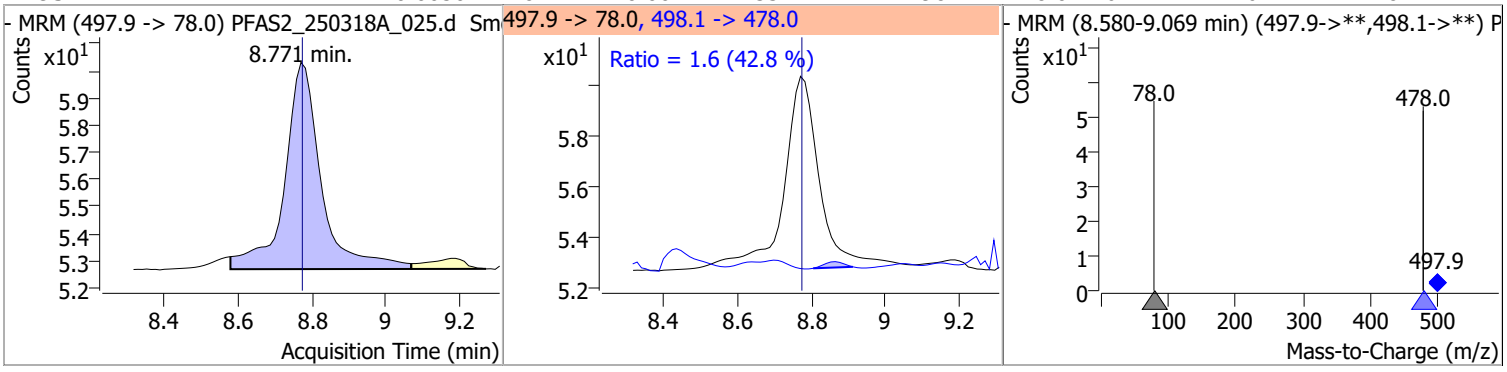
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0007	7.83	-0.41	3	698.9 -> 99.0	133.3	41.0	76.1



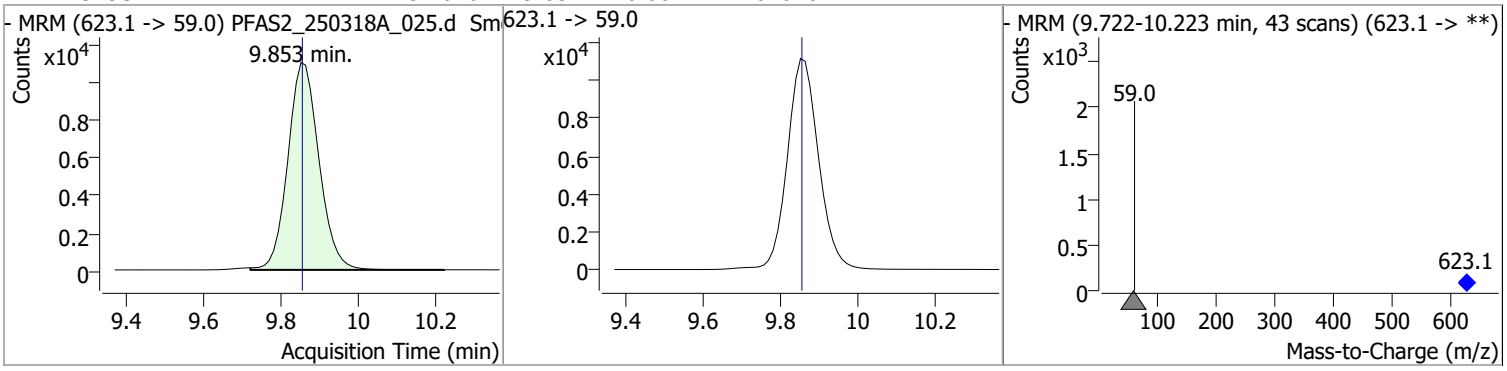
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2798	8.78	0.01	30351				



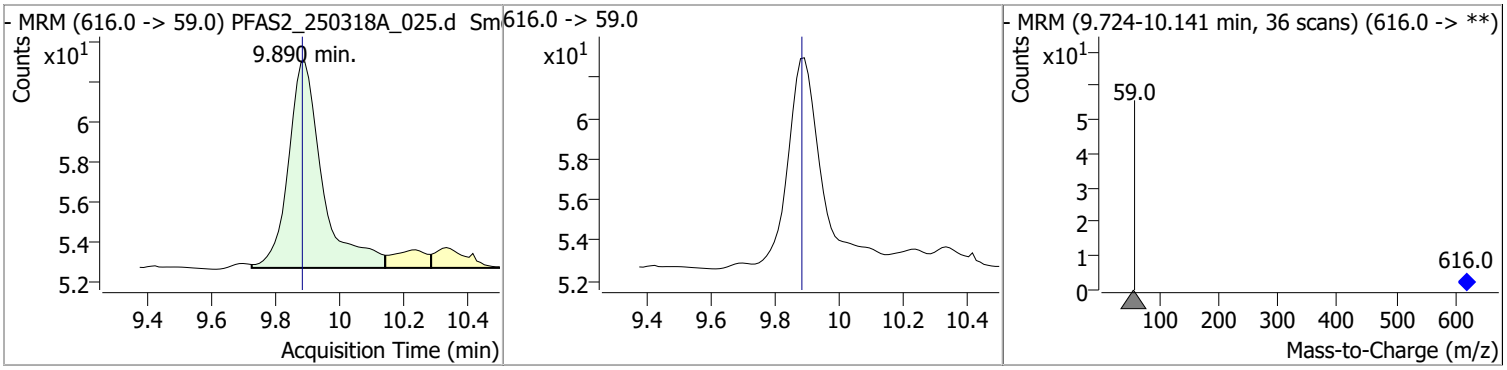
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0050	8.77	0.00	53	498.1 -> 478.0	1.6	2.6	4.8



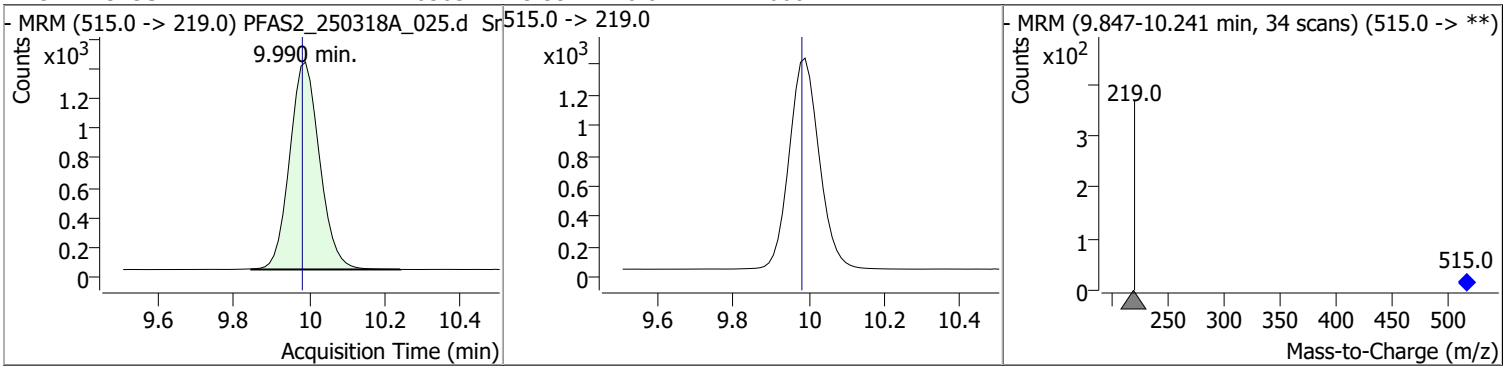
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.7048	9.85	0.00	61848				



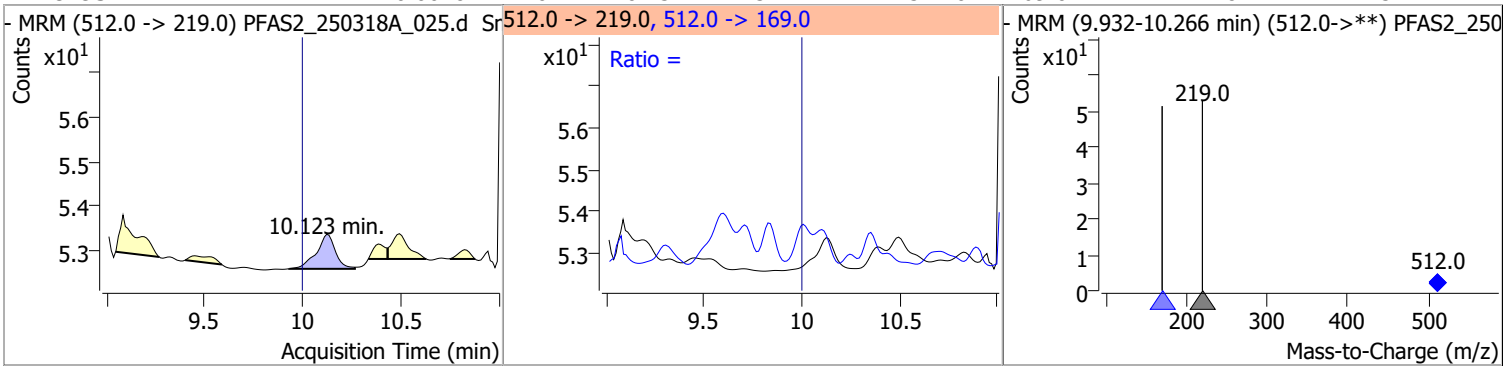
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	77				



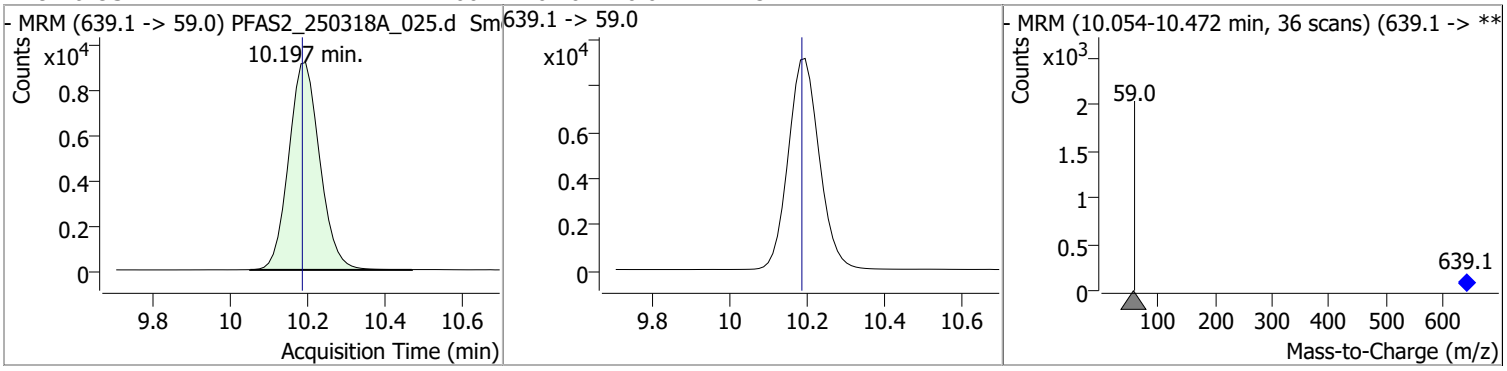
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0503	9.99	0.01	7660				



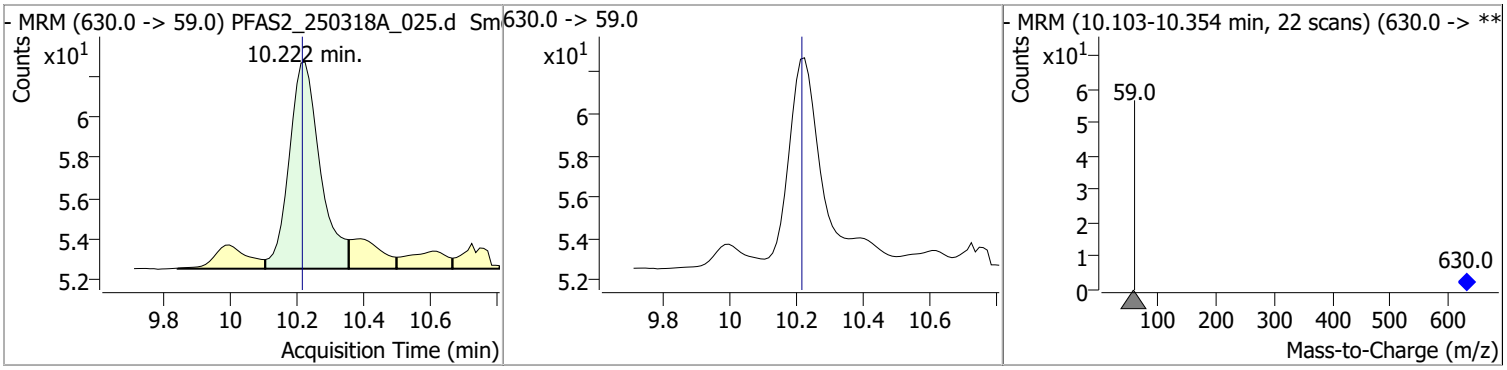
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0018	10.12	0.13	5	512.0 -> 169.0		81.4	151.2



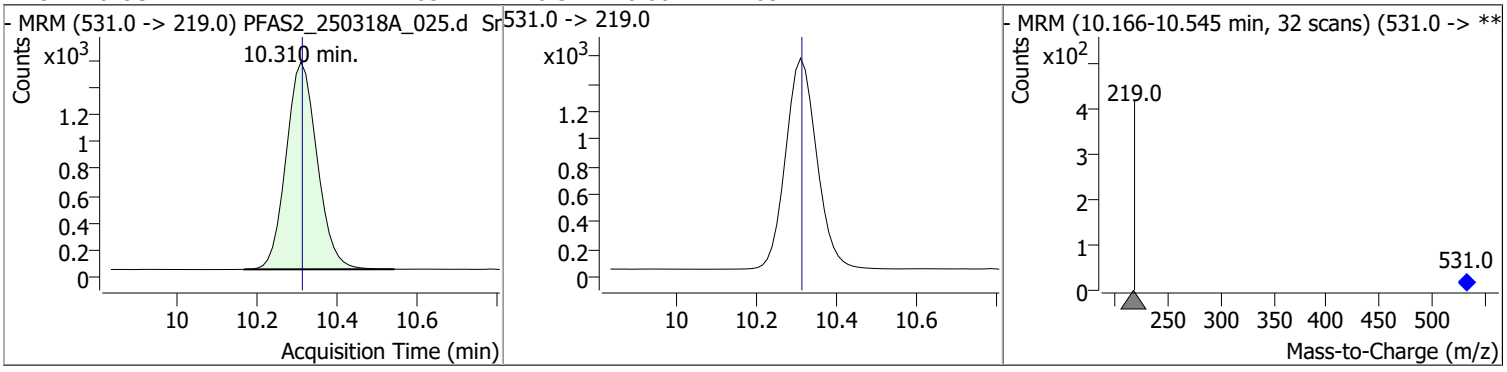
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4100	10.20	0.01	51177				



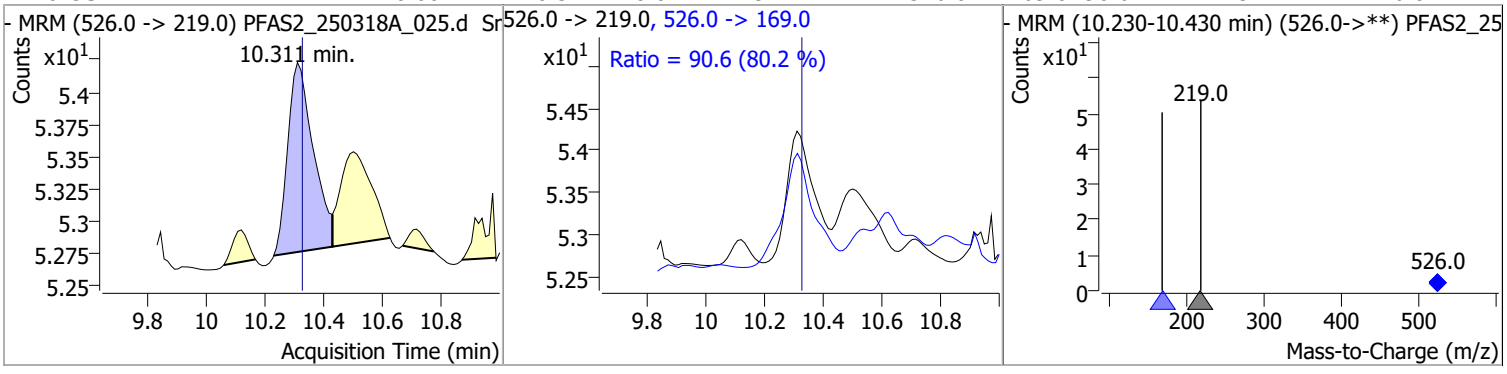
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0454	10.22	0.01	66				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0571	10.31	0.00	8311				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0027	10.31	-0.01	9	526.0 -> 169.0	90.6	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW03RB-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-02	File ID:	PFAS2_250318A_026.d
Sampled:	03/12/25 11:15	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:37
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	492.3207 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	2.88	0.49	3.25	6.50	J
2706-90-3	PFPeA		0.14	1.62	3.25	U
307-24-4	PFHxA		0.13	0.81	1.62	U
375-85-9	PFHpA		0.16	0.81	1.62	U
335-67-1	PFOA	0.50	0.12	0.81	1.62	J
375-95-1	PFNA		0.09	0.81	1.62	U
335-76-2	PFDA		0.13	0.81	1.62	U
2058-94-8	PFUnA		0.19	0.81	1.62	U
307-55-1	PFDoA		0.11	0.81	1.62	U
72629-94-8	PFTrDA		0.07	0.81	1.62	U
376-06-7	PFTeDA		0.12	0.81	1.62	U
375-73-5	PFBS	1.23	0.19	0.72	1.44	J
2706-91-4	PFPeS	0.24	0.21	0.77	1.53	J
355-46-4	PFHxS	0.44	0.23	0.74	1.48	J
375-92-8	PFHpS		0.42	0.77	1.54	U
1763-23-1	PFOS	0.76	0.22	0.94	1.89	J
68259-12-1	PFNS		0.20	0.78	1.56	U
335-77-3	PFDS		0.14	0.78	1.56	U
79780-39-5	PFDoS		0.08	0.79	1.57	U
757124-72-4	4:2FTS		0.42	3.05	6.09	U
27619-97-2	6:2FTS		2.81	3.09	6.17	U
39108-34-4	8:2FTS		0.62	3.12	6.24	U
754-91-6	PFOSA		0.10	0.81	1.62	U
31506-32-8	NMeFOSA		0.26	0.81	1.62	U
4151-50-2	NEtFOSA		0.31	0.81	1.62	U
2355-31-9	NMeFOSAA		0.45	0.81	1.62	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW03RB-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-02	File ID:	PFAS2_250318A_026.d
Sampled:	03/12/25 11:15	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:37
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	492.3207 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.81	1.62	U
24448-09-7	NMeFOSE		1.03	8.12	16.2	U
1691-99-2	NEtFOSE		1.28	8.12	16.2	U
13252-13-6	HFPO-DA		0.42	1.62	3.25	U
919005-14-4	ADONA		0.15	1.53	3.07	U
756426-58-1	9CL-PF3ONS		0.18	1.52	3.04	U
763051-92-9	11CL-PF3OUdS		0.31	1.53	3.07	U
356-02-5	3:3FTCA		0.67	3.25	6.50	U
914637-49-3	5:3FTCA		3.72	16.2	32.5	U
812-70-4	7:3FTCA		3.11	16.2	32.5	U
113507-82-7	PFEESA		0.17	1.45	2.89	U
377-73-1	PFMPA		0.11	1.62	3.25	U
863090-89-5	PFMBA		0.12	1.62	3.25	U
151772-58-6	NFDHA		0.46	1.62	3.25	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_026.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:37:41 PM
Sample Name	O25C0550-02	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

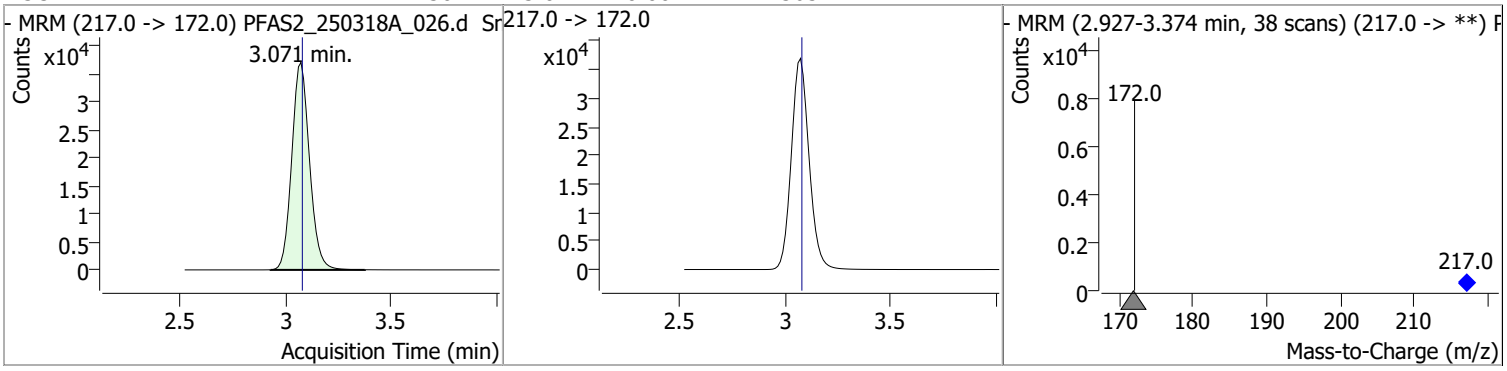
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	122760	5.0000	µg/L		-10.291
13C2-PFHxA	4.902	315.0 -> 270.0	140433	2.5000	µg/L		-8.467
18O2-PFHxS	5.967	403.0 -> 84.0	27171	2.5000	µg/L		-8.301
13C4-PFOA	5.835	417.0 -> 172.0	14495	2.5000	µg/L		-6.170
13C5-PFNA	6.226	468.0 -> 423.0	68310	1.2500	µg/L		-4.022
13C2-PFDA	6.615	515.0 -> 470.0	60408	1.2500	µg/L		-9.672
13C4-PFOS	6.771	503.0 -> 80.0	24301	2.5000	µg/L		-2.444
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	215652	10.0000	µg/L		-30.621
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 77.30%			
13C5-PFPeA	4.234	268.0 -> 223.0	45828	5.0000	µg/L		-77.852
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 24.20%			
13C5-PFPeA	4.234	268.0 -> 223.0	45828	5.0000	µg/L		-77.852
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 24.20%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27839	5.0000	µg/L		10.189
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.65%			
13C5-PFHxA	4.901	318.0 -> 273.0	143669	2.5000	µg/L		-14.910
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C5-PFHxA	4.901	318.0 -> 273.0	143669	2.5000	µg/L		-14.910
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C3-PFBS	4.941	302.0 -> 80.0	49669	2.5000	µg/L		-18.204
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.29%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	157931	10.0000	µg/L		-9.636
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.72%			
13C4-PFHpA	5.397	367.0 -> 322.0	171059	2.5000	µg/L		-9.438
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.97%			
13C3-PFHxS	5.968	402.0 -> 80.0	30212	2.5000	µg/L		-13.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.30%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15978	5.0000	µg/L	#	8.191
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.11%			
13C8-PFOA	5.835	421.0 -> 376.0	161612	2.5000	µg/L		-6.442
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.73%			
13C3-PFHxS	5.968	402.0 -> 80.0	30212	2.5000	µg/L		-13.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.30%			
13C9-PFNA	6.225	472.0 -> 427.0	65658	1.2500	µg/L		-6.820
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.04%			
13C8-PFOS	6.771	507.0 -> 80.0	22720	2.5000	µg/L		-10.141
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.15%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11216	5.0000	µg/L	#	-5.315
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.12%			
13C6-PFDA	6.615	519.0 -> 474.0	64221	1.2500	µg/L		-5.502
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.52%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51943	5.0000	µg/L		-6.943
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.28%			
13C8-PFOS	6.771	507.0 -> 80.0	22720	2.5000	µg/L		-10.141

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.15%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	38716	5.0000	µg/L		-8.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.06%			
13C7-PFUnDA	6.990	570.0 -> 525.0	51416	1.2500	µg/L		-4.080
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.18%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	35993	1.2500	µg/L		-18.411
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.18%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40478	1.2500	µg/L		1.335
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 112.20%			
13C2-PFTDA	8.092	715.0 -> 670.0	31508	1.2500	µg/L		-34.747
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.02%			
13C8-PFOSA	8.780	506.0 -> 78.0	32278	2.5000	µg/L		-12.671
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.34%			
2H7-MeFOSE	9.853	623.1 -> 59.0	63113	25.0000	µg/L		-49.768
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 51.53%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9072	2.5000	µg/L		-12.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.47%			
2H9-EtFOSE	10.185	639.1 -> 59.0	54725	25.0000	µg/L		-13.831
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.30%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9415	2.5000	µg/L		-16.239
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.87%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	3841	0.2840	µg/L		100
PFMPA	3.638	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.778	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.235	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.834	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.904	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.942	298.9 -> 80.0	2487	0.1206	µg/L		91
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.330	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.411	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	389	0.0238	µg/L		79
DONA	0.000		0	N.D.			
6-2 FTSA	5.654	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.836	413.0 -> 369.0	819	0.0491	µg/L		93
PFHxS	5.957	398.9 -> 80.0	512	0.0436	µg/L		94
PFNA	6.405	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.346	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.754	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.784	498.9 -> 80.0	398	0.0746	µg/L		93
N-EtFOSAA	6.788	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.991	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.029	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.291	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.320	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.502	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

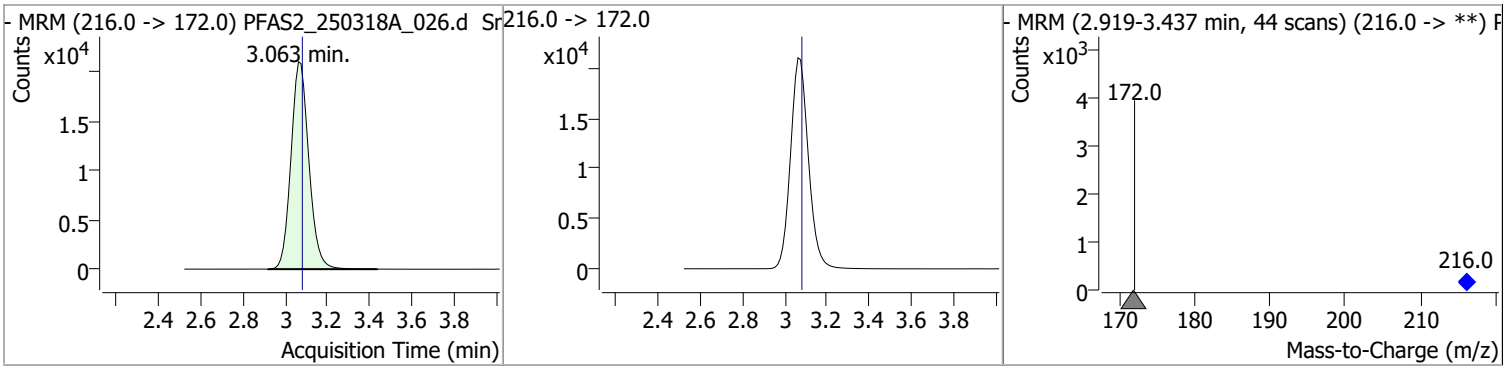
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	102	0.0049	µg/L	#	65
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.240	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	0	0.0000	µg/L	md	
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	82	0.0514	µg/L		100
N-EtFOSA	10.299	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

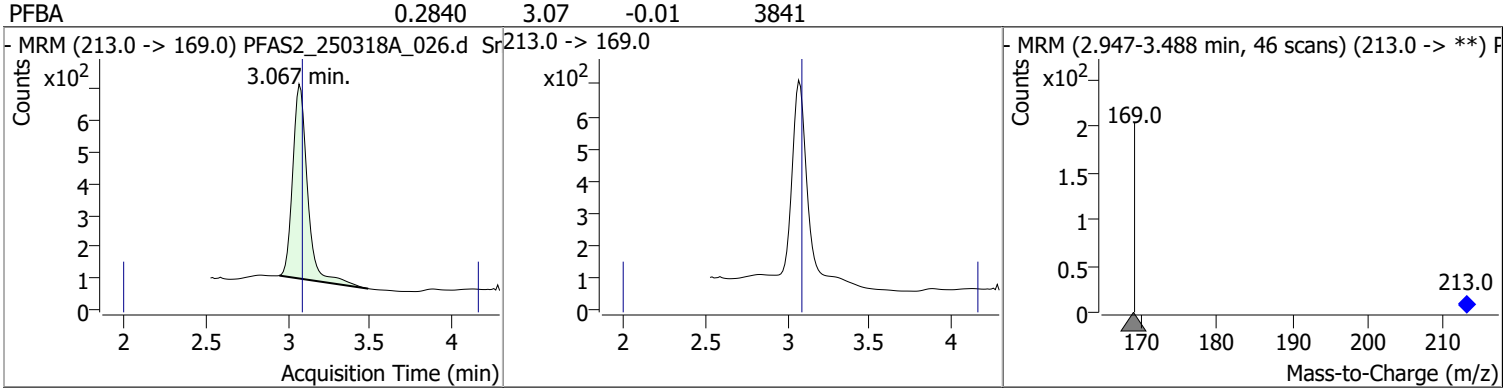
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.7304	3.07	0.00	215652				



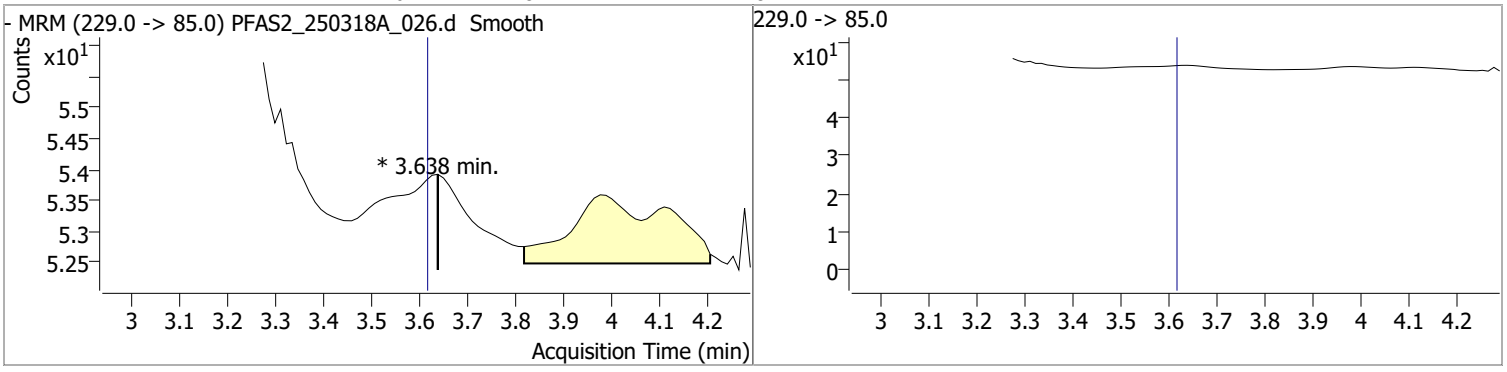
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	122760				



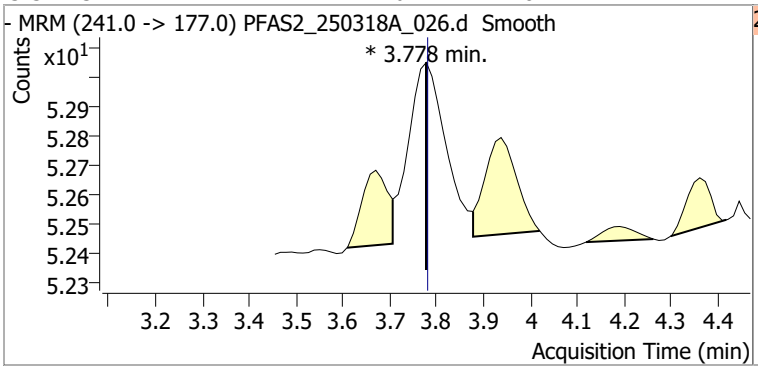
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.2840	3.07	-0.01	3841				

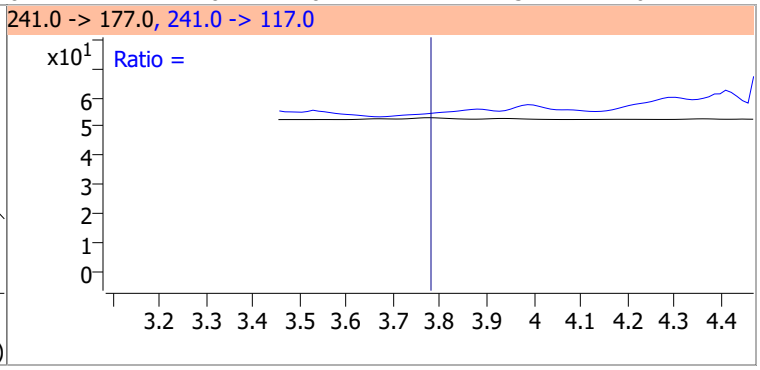


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

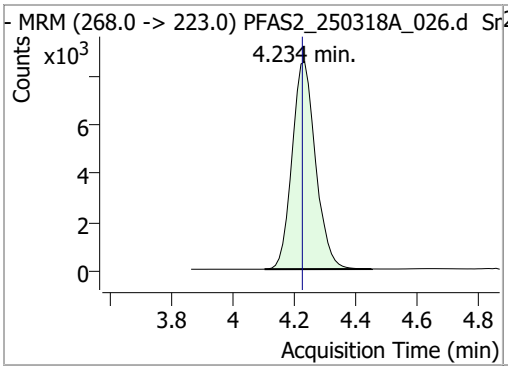


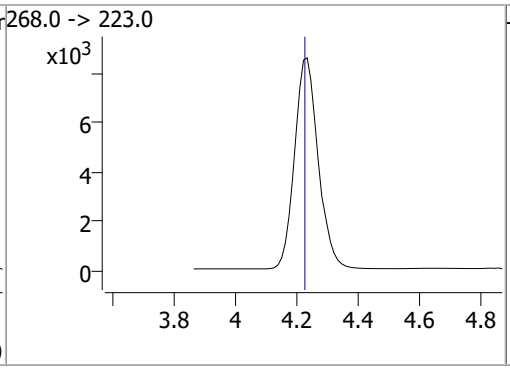
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

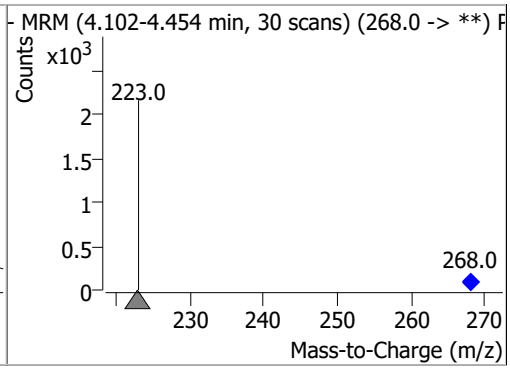




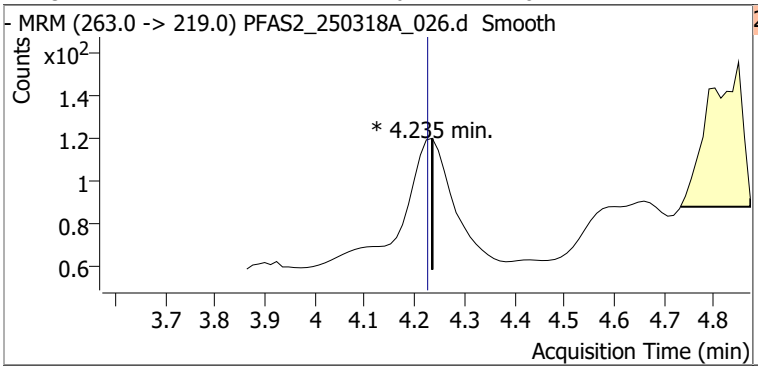
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	1.2099	4.23	0.01	45828				

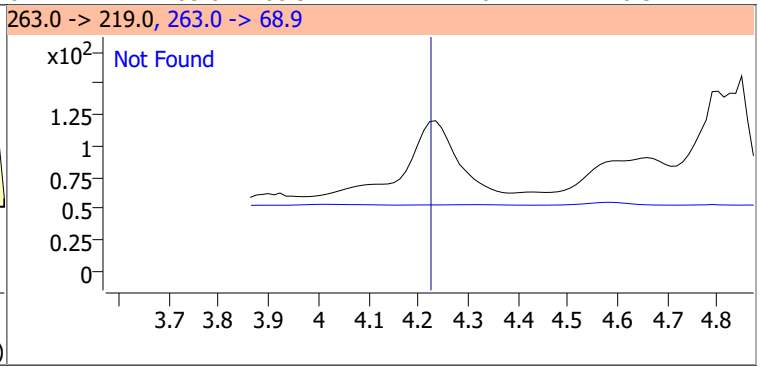




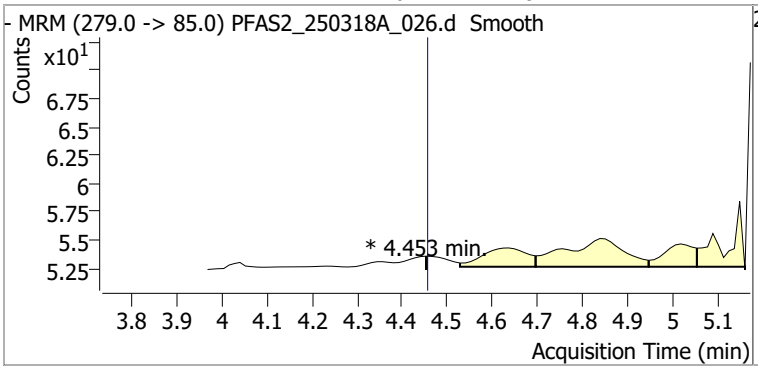


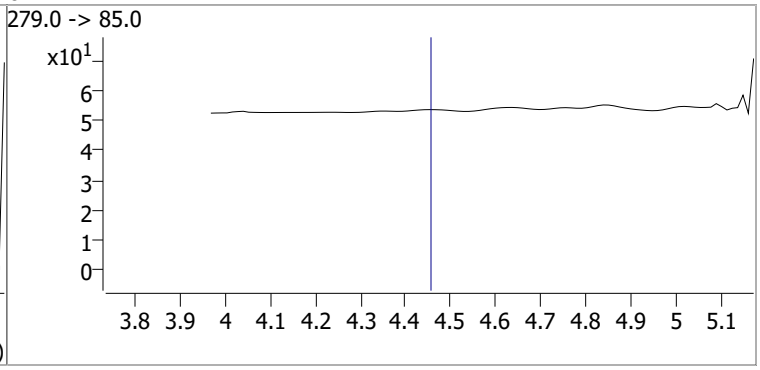
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



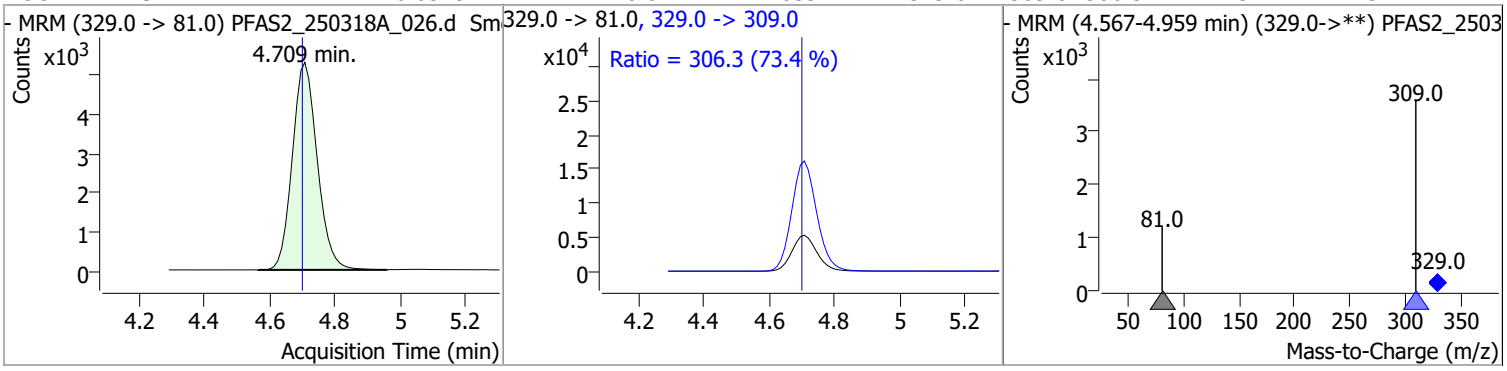


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

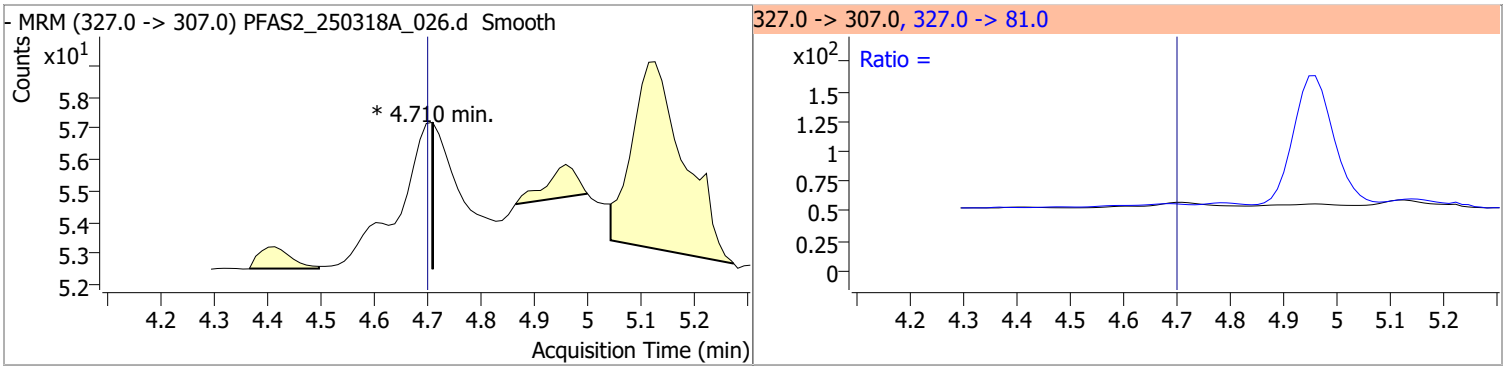




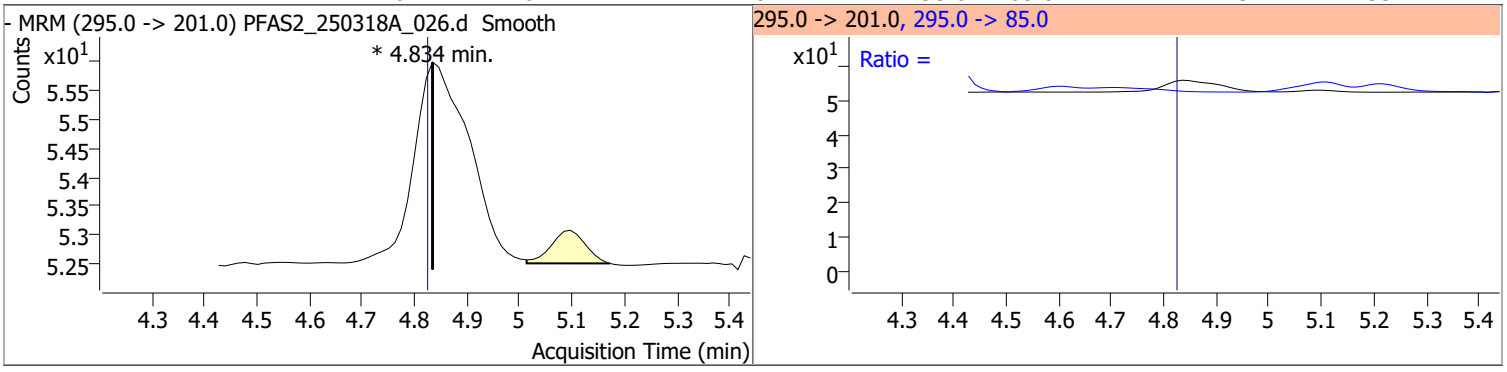
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0325	4.71	0.01	27839	329.0 -> 309.0	306.3	292.1	542.4



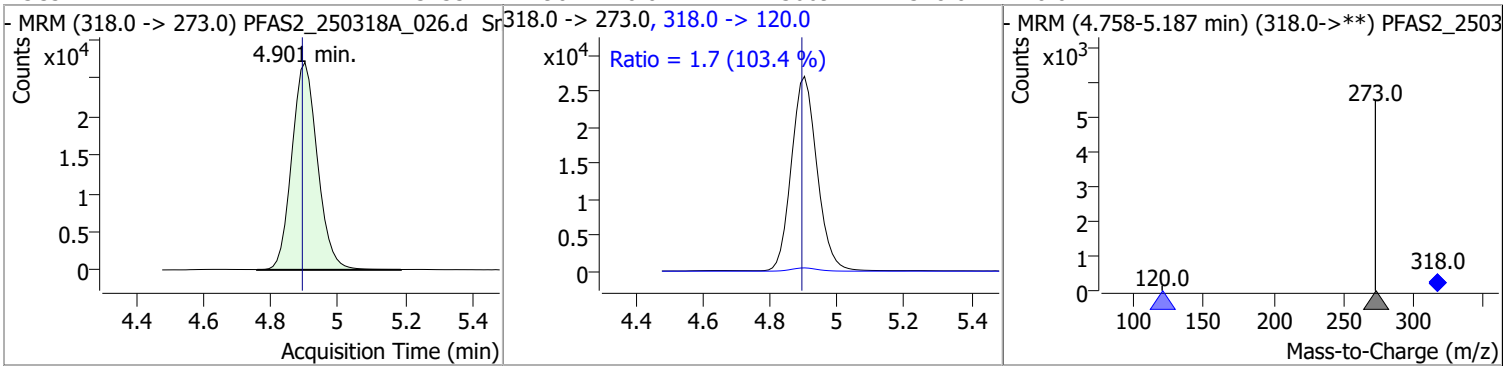
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



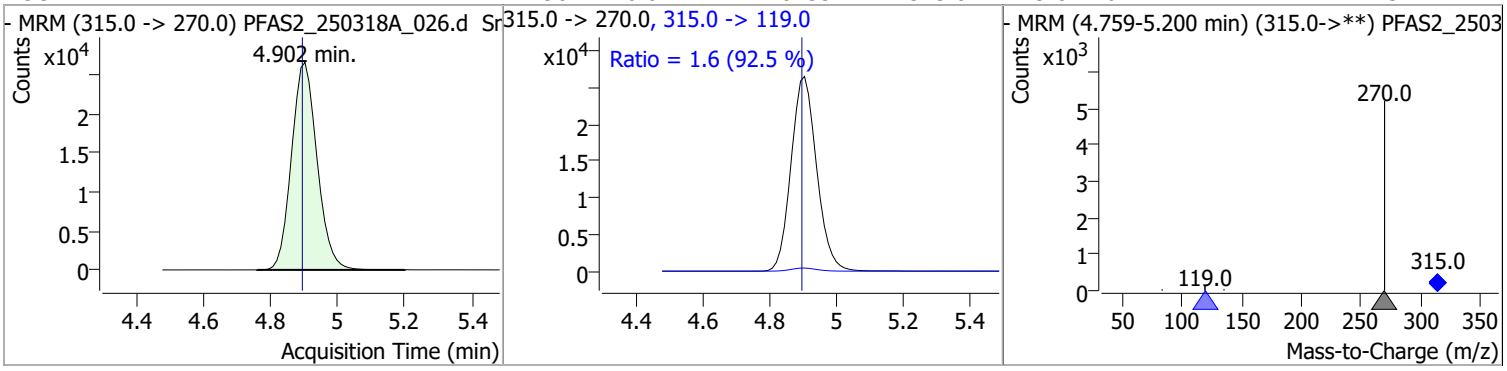
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



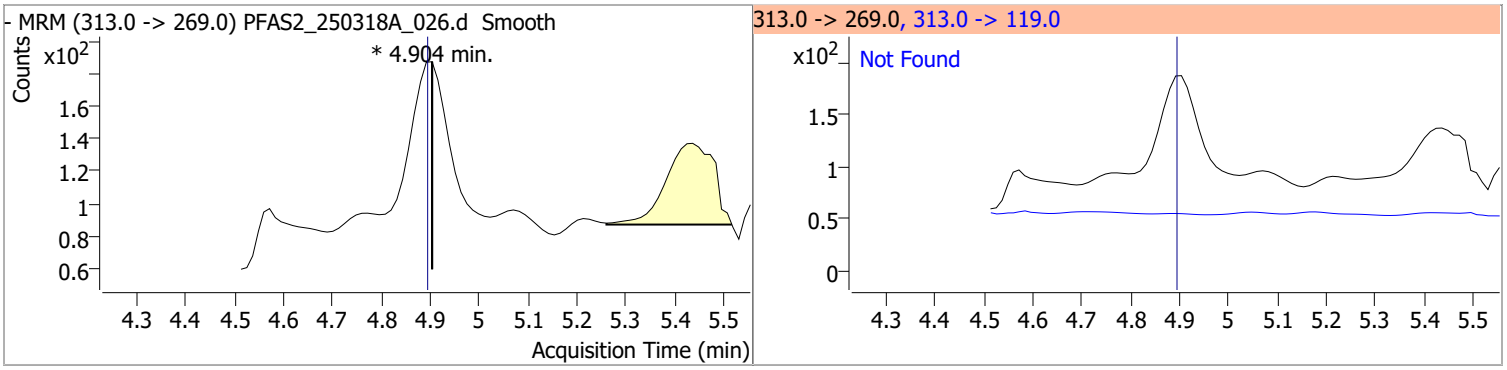
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3235	4.90	0.01	143669	318.0 -> 120.0	1.7	1.1	2.1



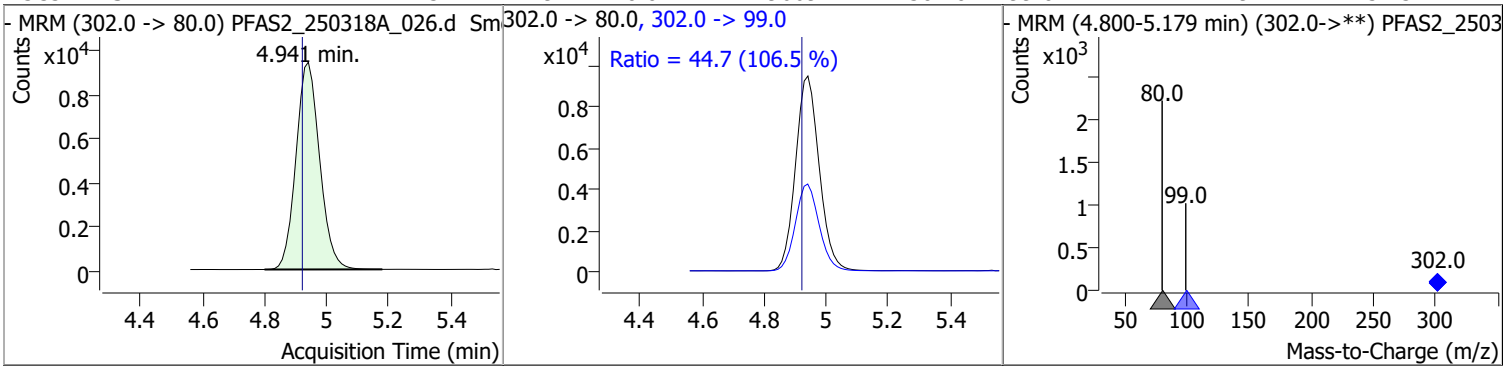
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	140433	315.0 -> 119.0	1.6	1.2	2.3



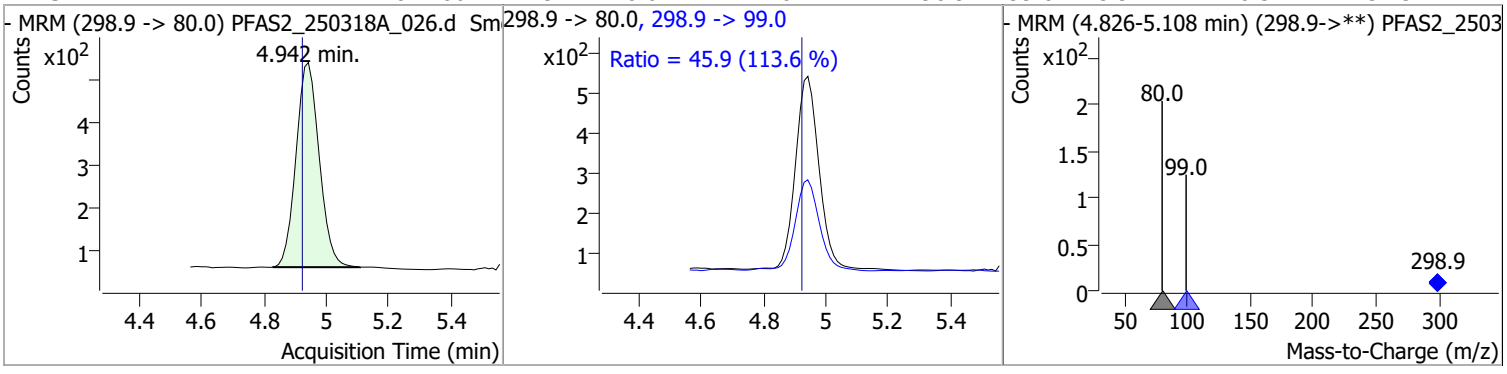
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



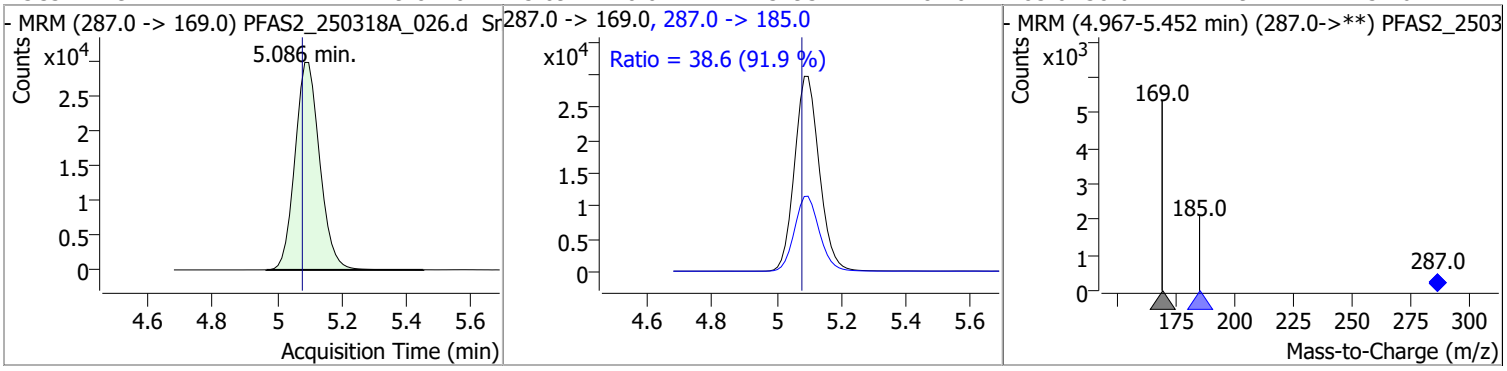
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2324	4.94	0.02	49669	302.0 -> 99.0	44.7	29.4	54.5



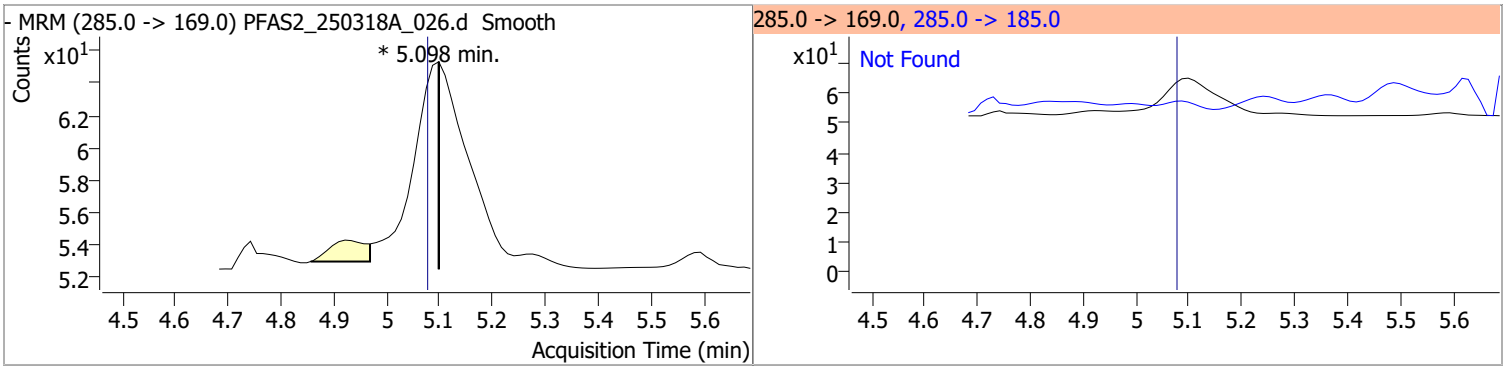
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1206	4.94	0.02	2487	298.9 -> 99.0	45.9	28.3	52.5



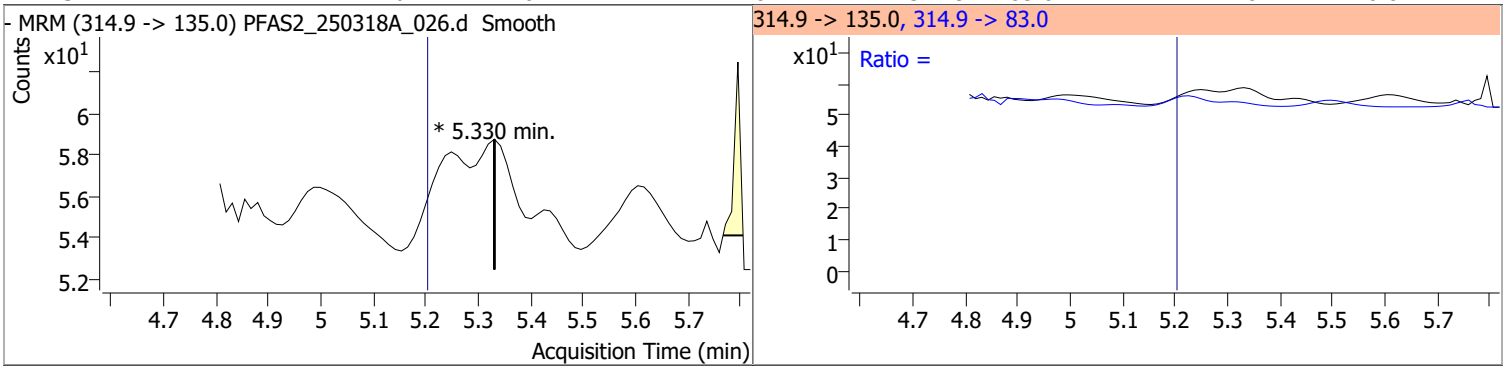
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8720	5.09	0.01	157931	287.0 -> 185.0	38.6	29.4	54.6



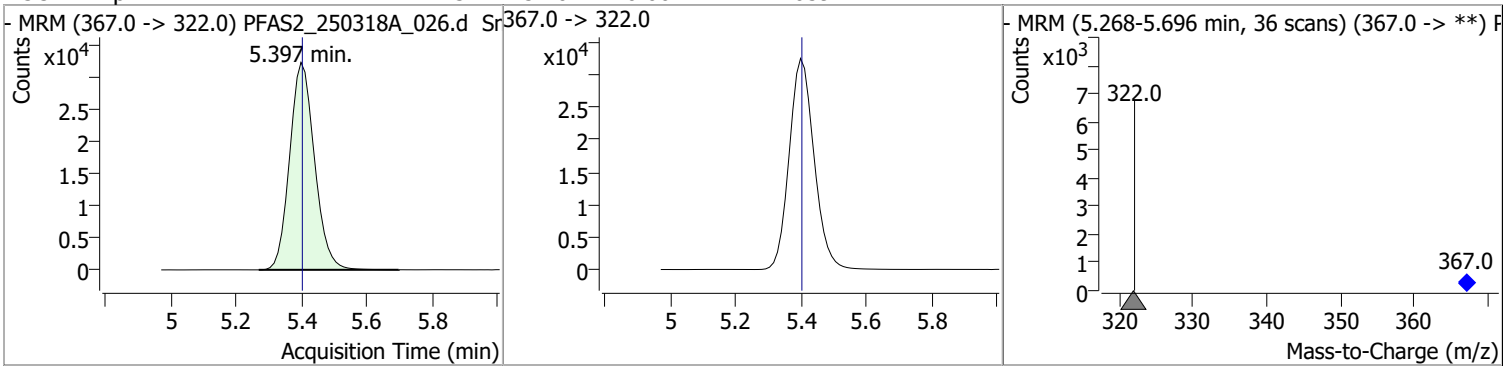
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



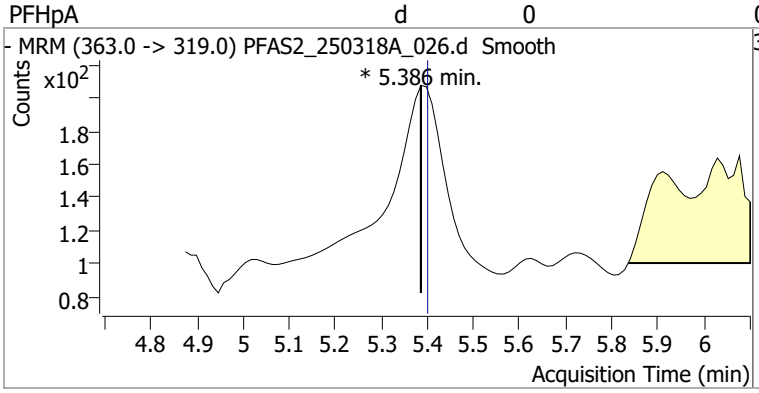
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

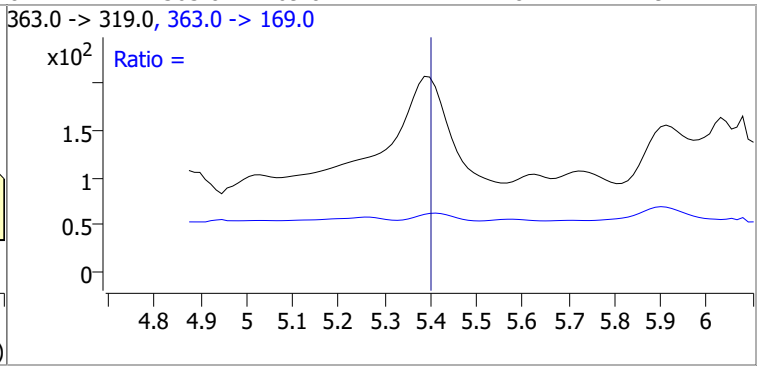


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4743	5.40	0.00	171059				

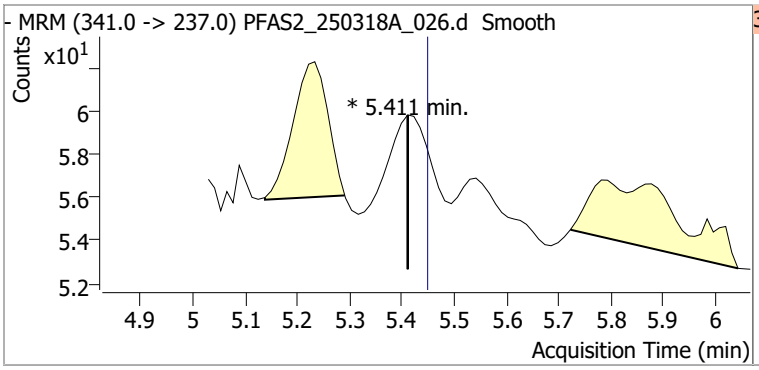


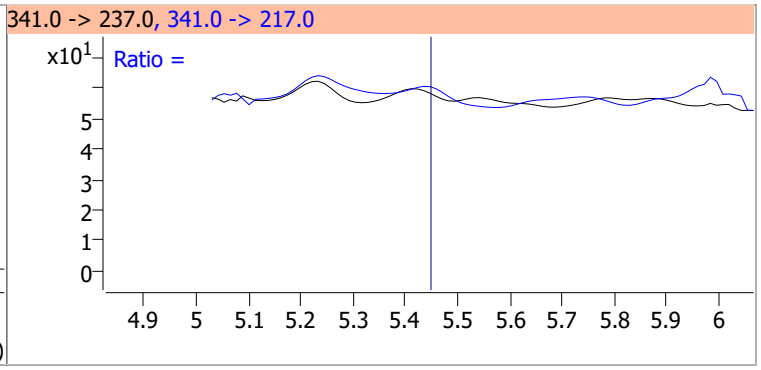
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



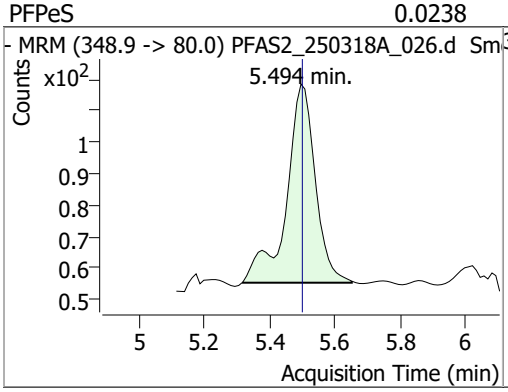


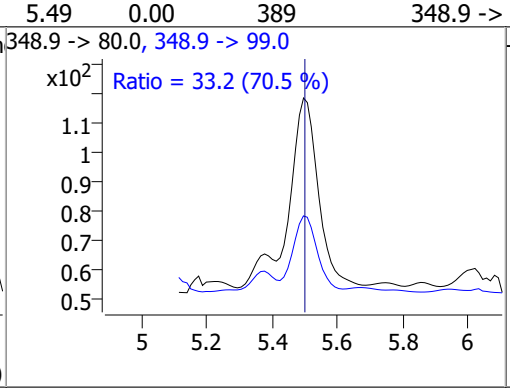
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

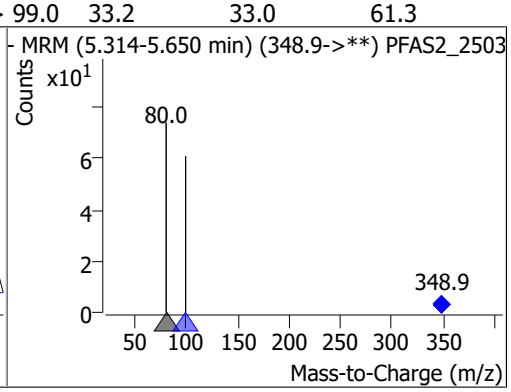




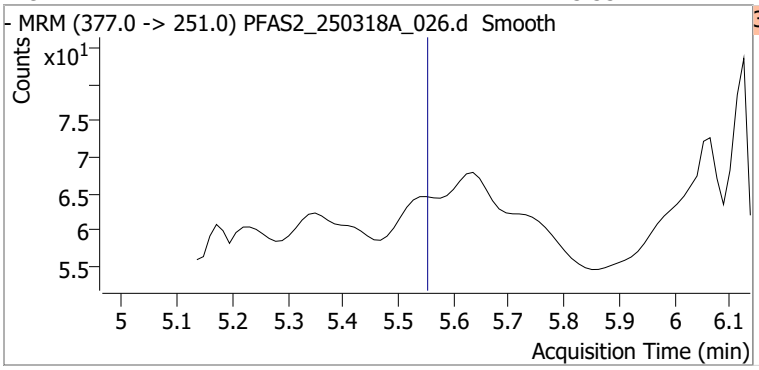
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0238	5.49	0.00	389	348.9 -> 99.0	33.2	33.0	61.3

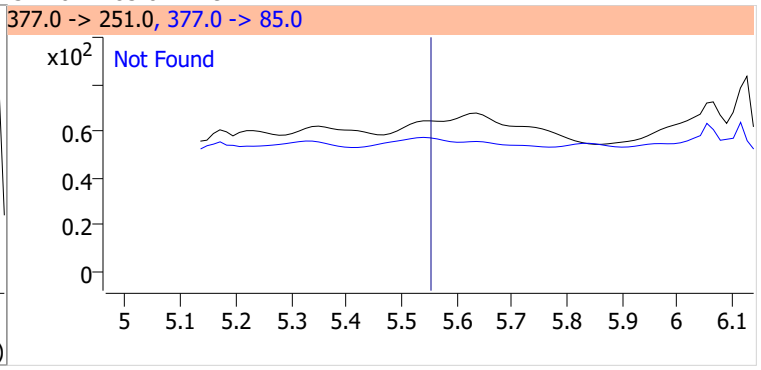




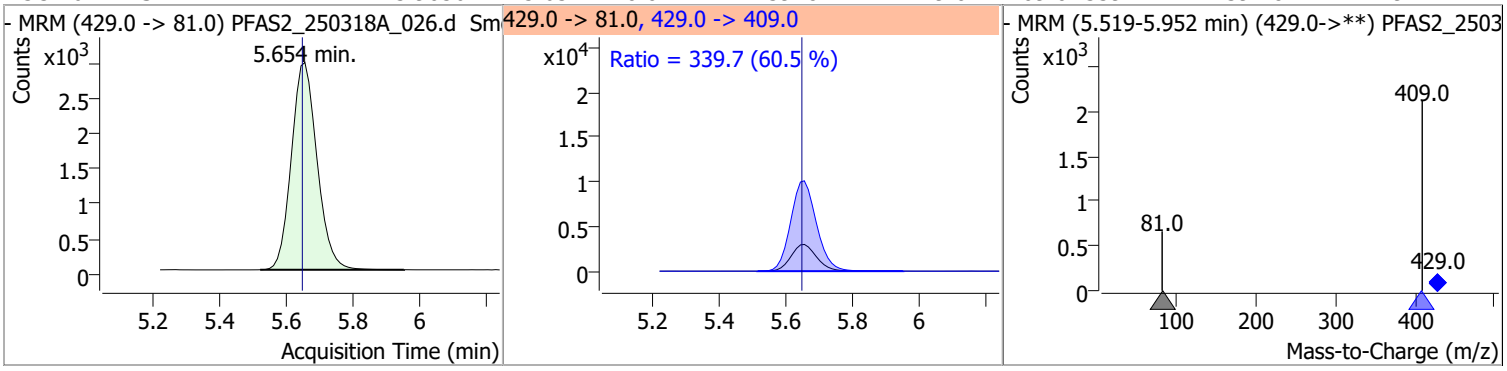


Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	5.55	377.0 -> 85.0	29.1

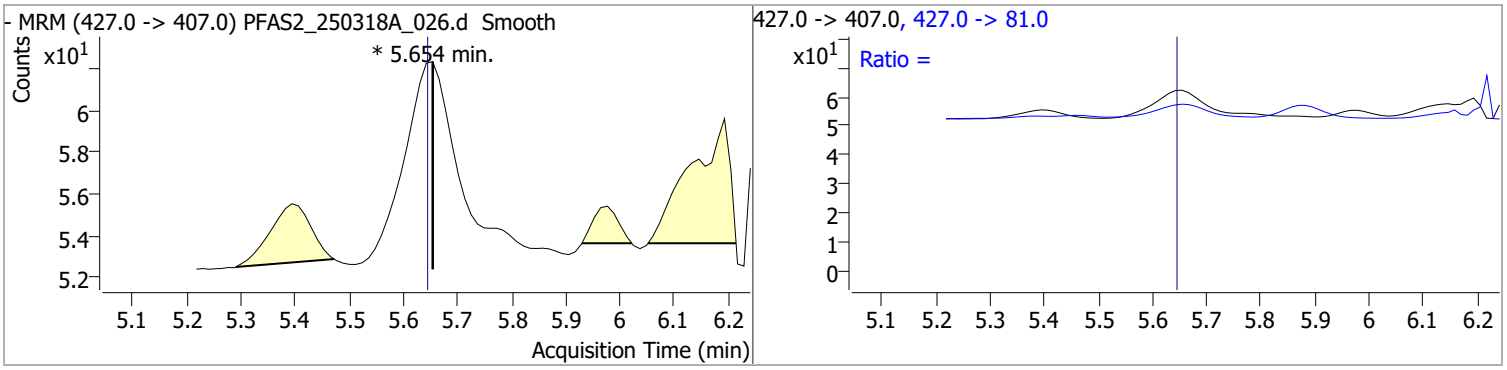




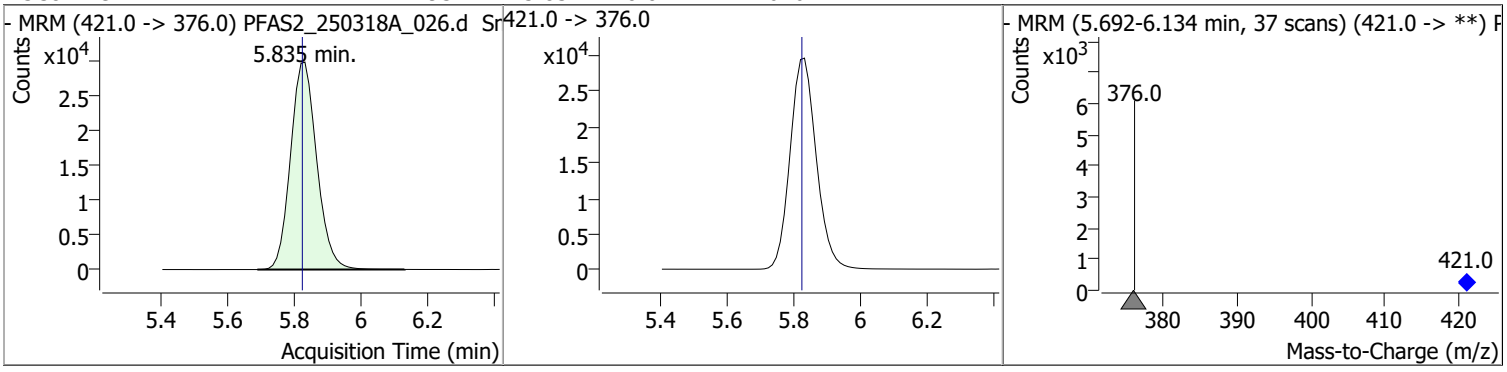
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.9056	5.65	0.01	15978	429.0 -> 409.0	339.7	392.8	729.4



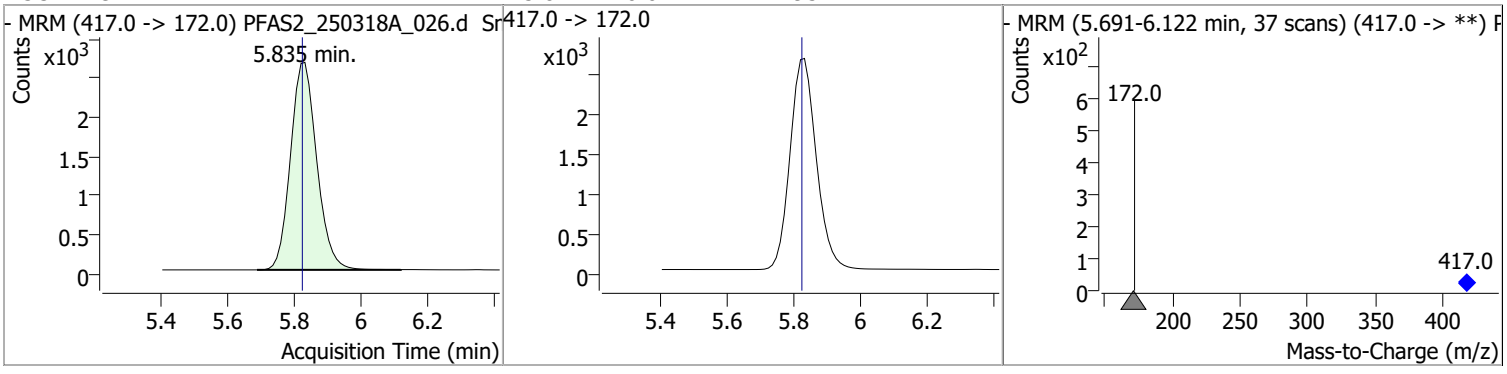
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



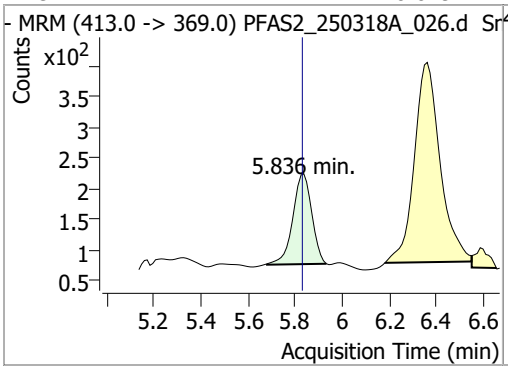
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4932	5.83	0.01	161612				

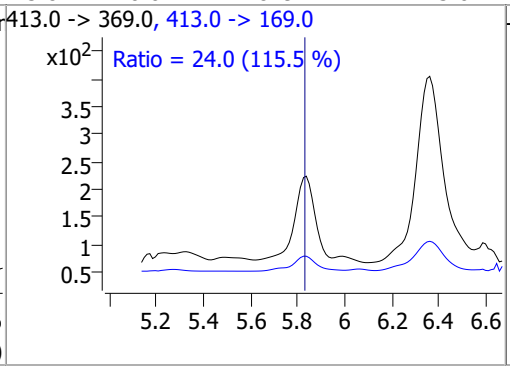


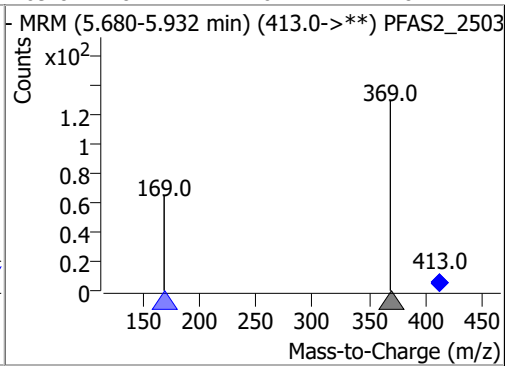
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	14495				



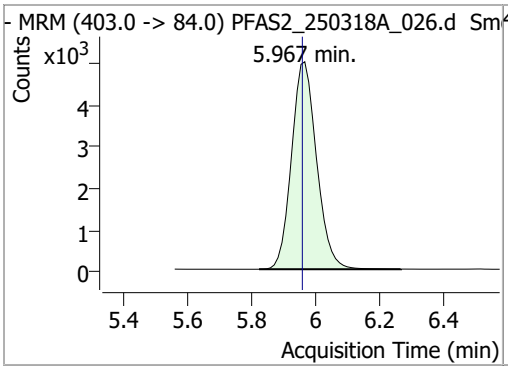
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0491	5.84	0.01	819	413.0 -> 169.0	24.0	14.6	27.0

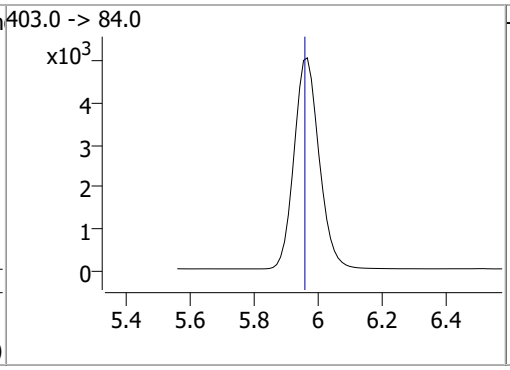


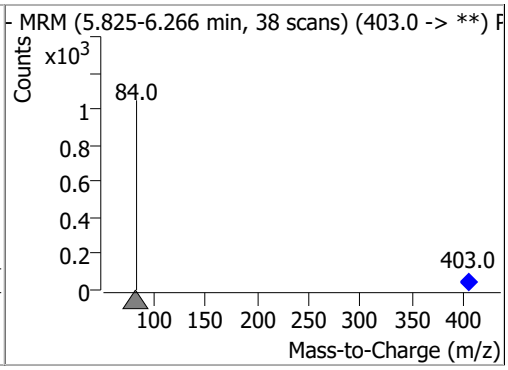




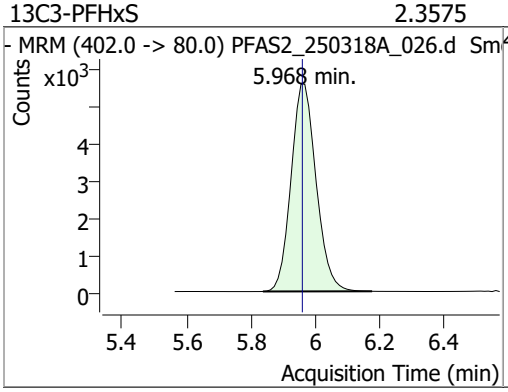
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	27171				

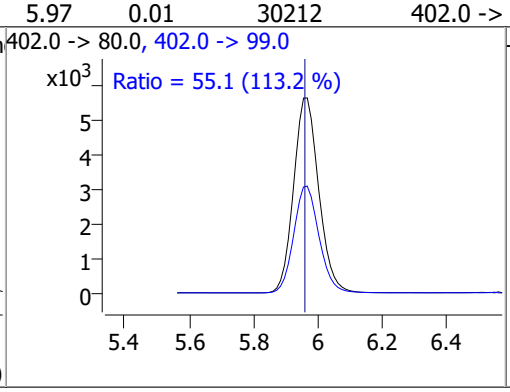


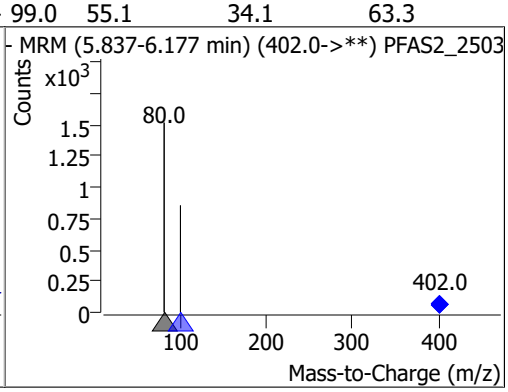




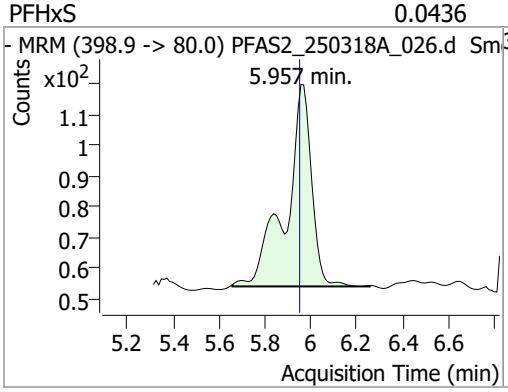
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3575	5.97	0.01	30212	402.0 -> 99.0	55.1	34.1	63.3

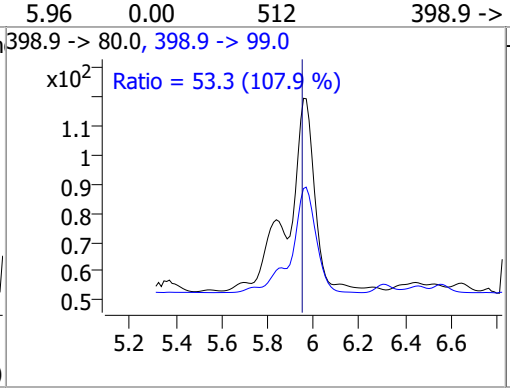


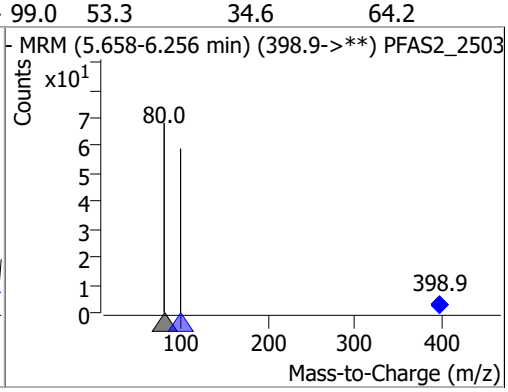




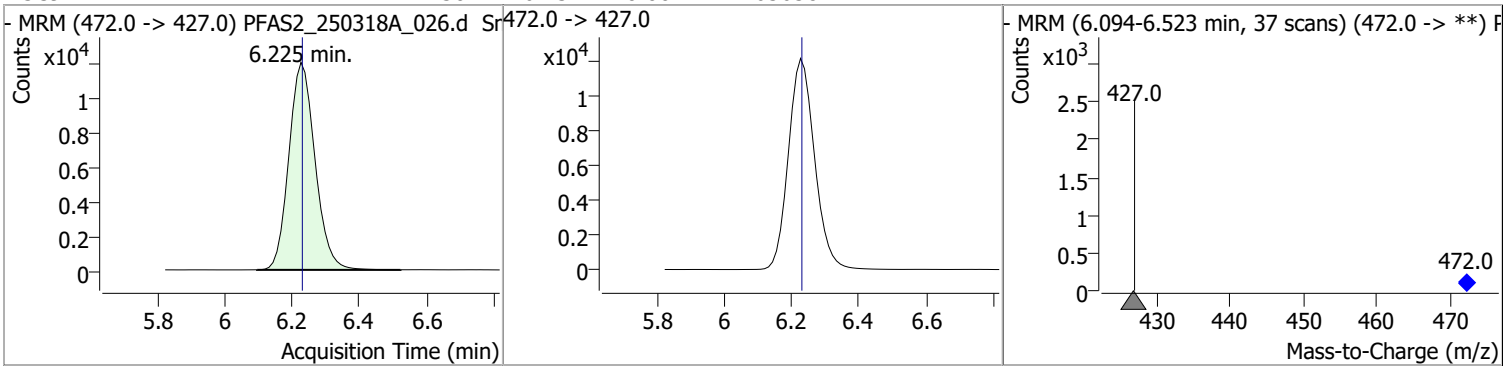
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0436	5.96	0.00	512	398.9 -> 99.0	53.3	34.6	64.2



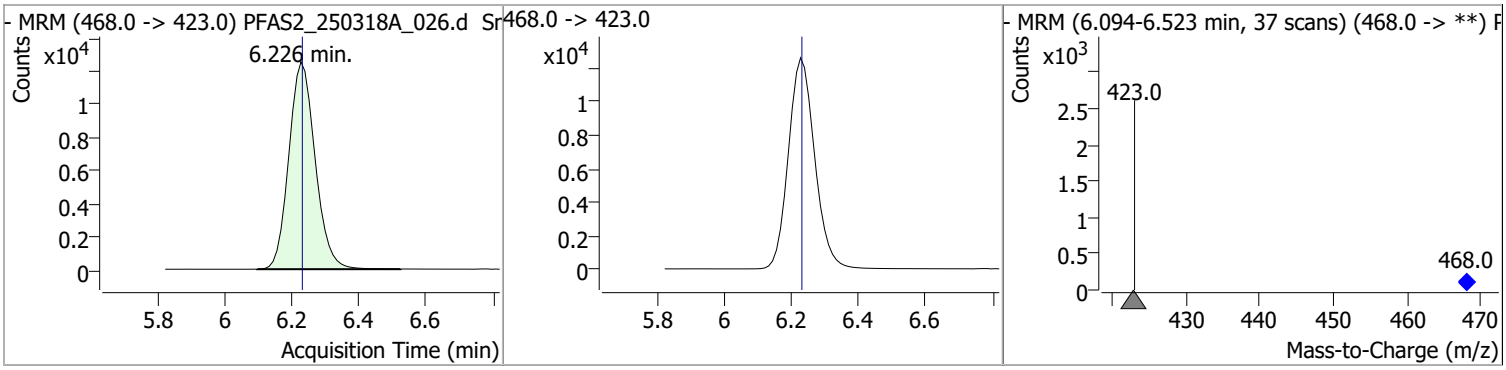




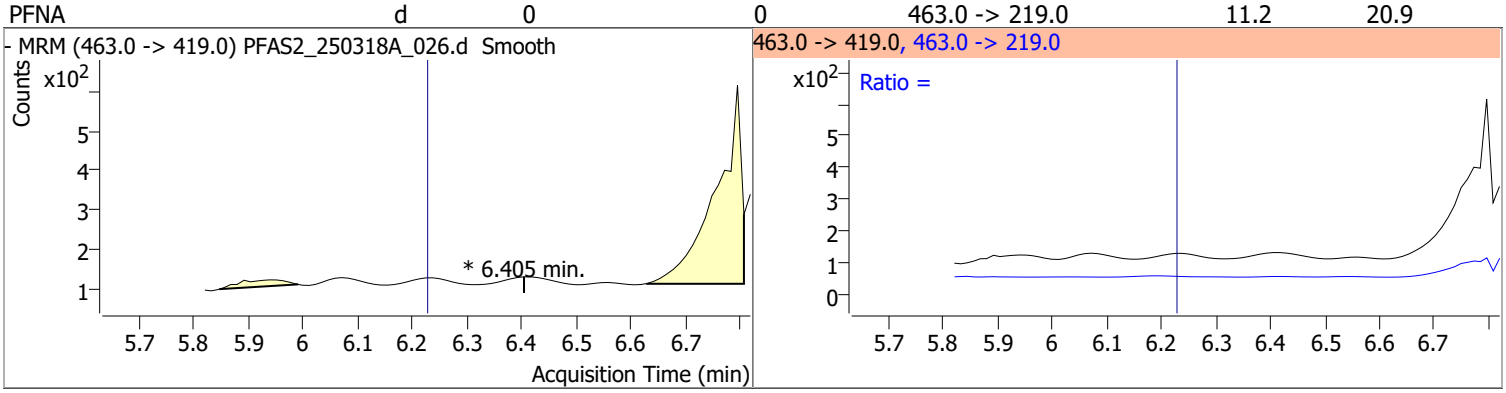
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2130	6.23	0.00	65658				



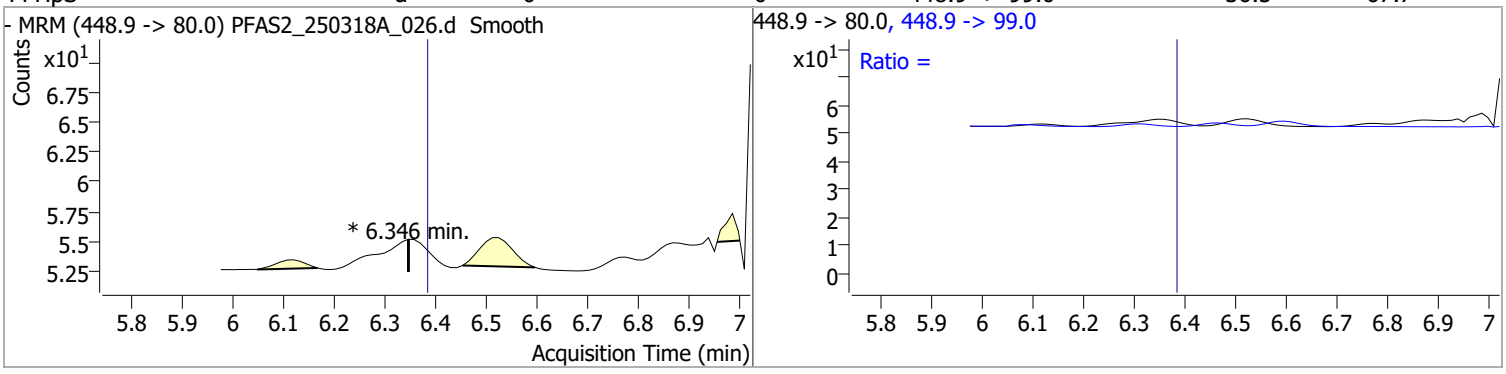
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68310				



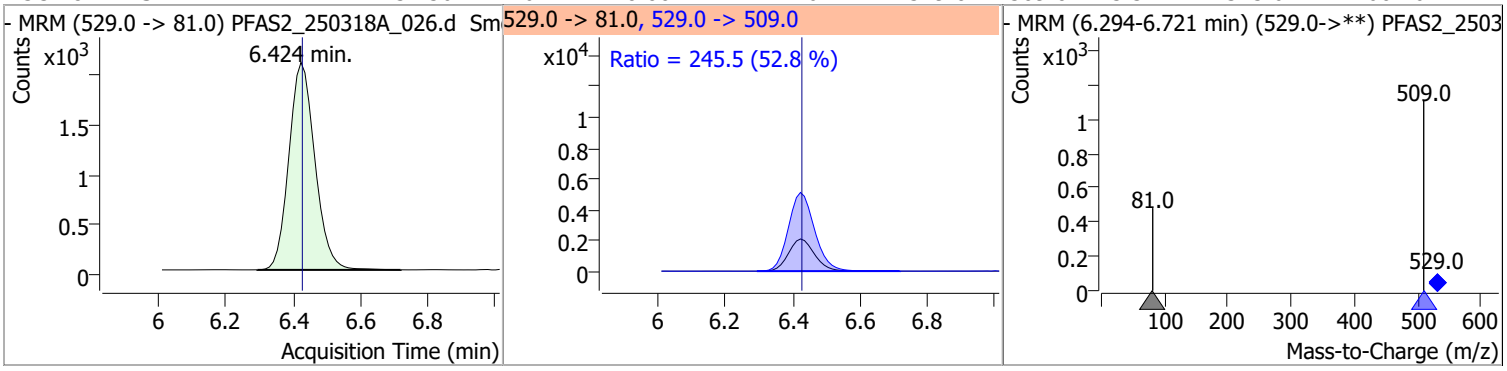
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



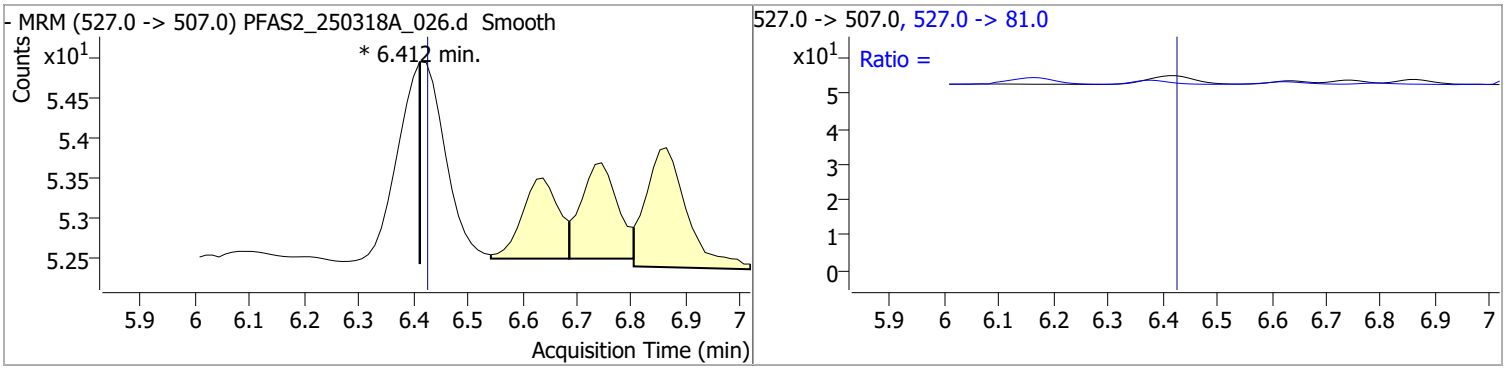
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



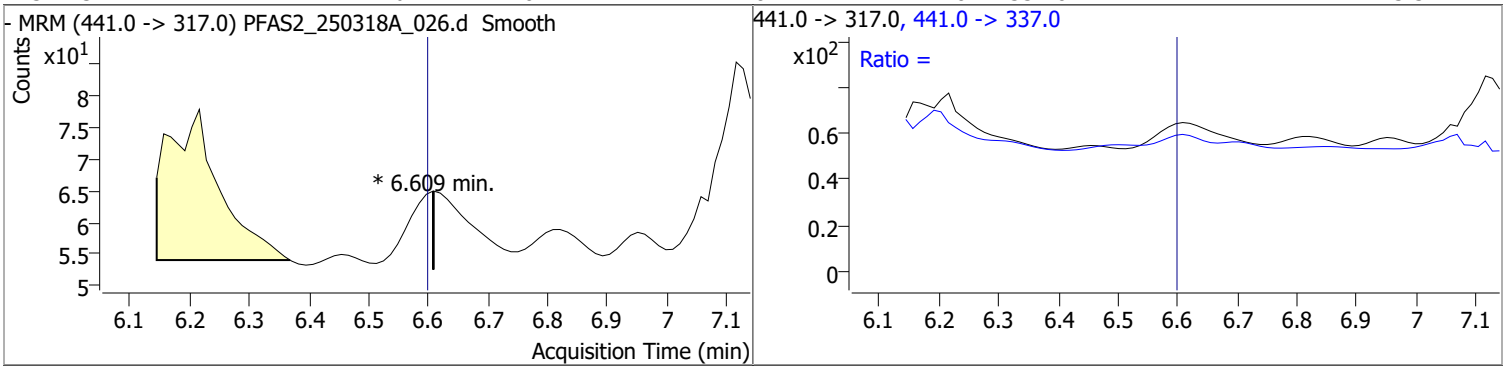
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1561	6.42	0.00	11216	529.0 -> 509.0	245.5	325.6	604.6



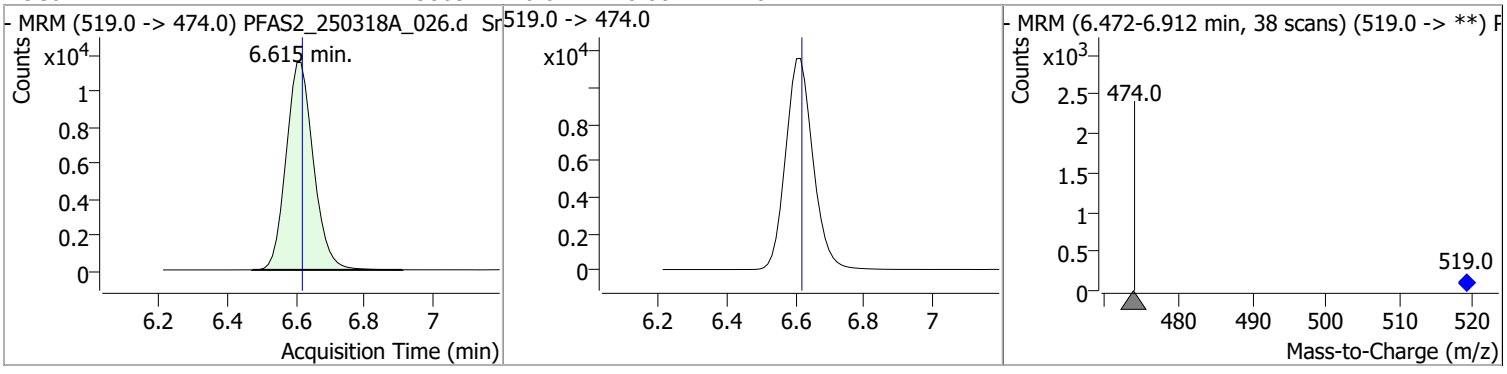
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



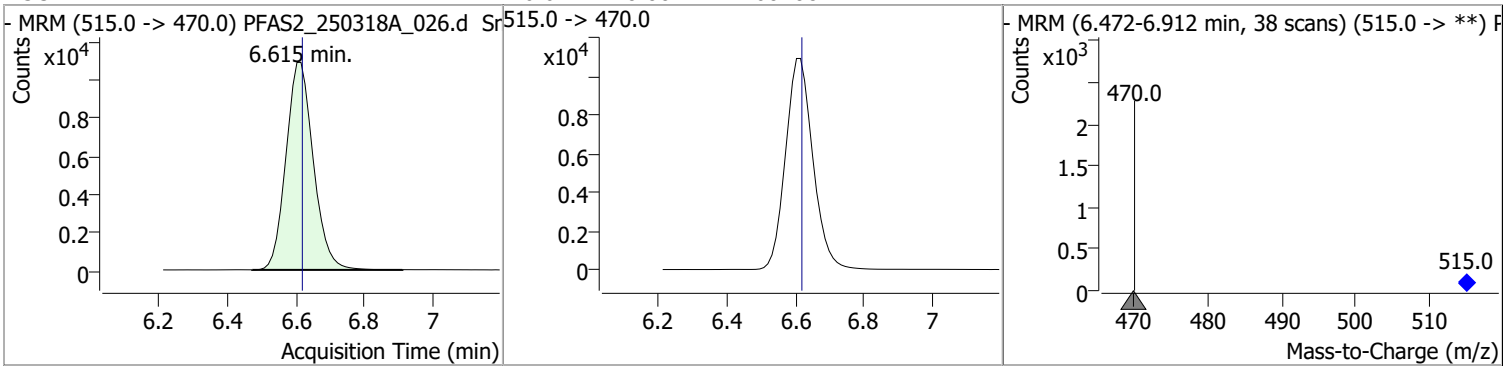
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



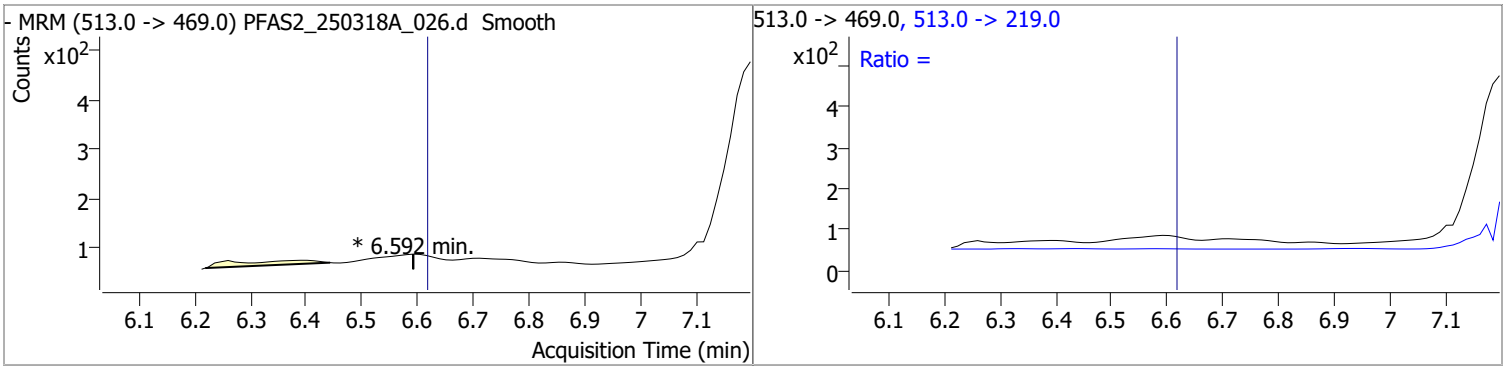
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3065	6.61	0.00	64221				



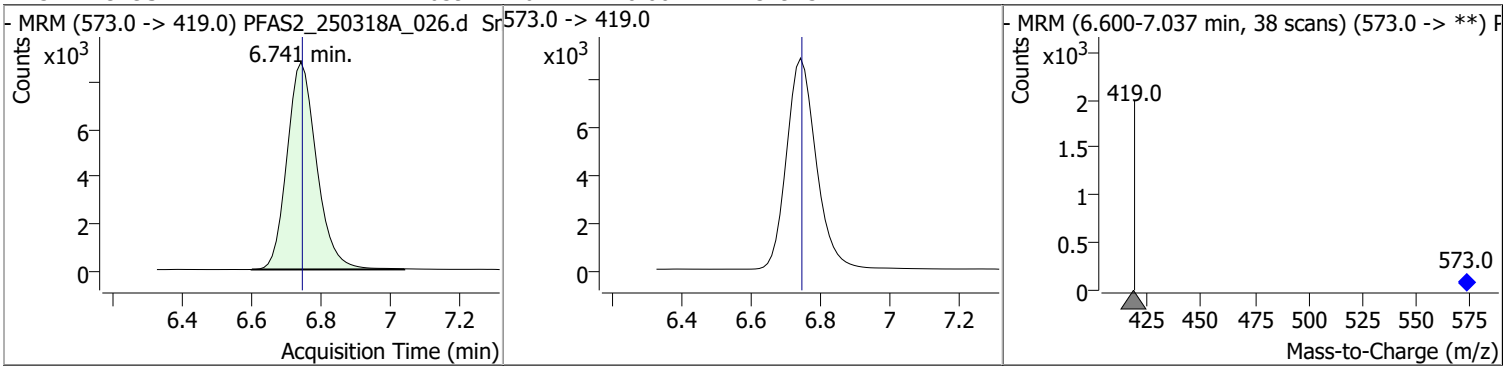
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	60408				



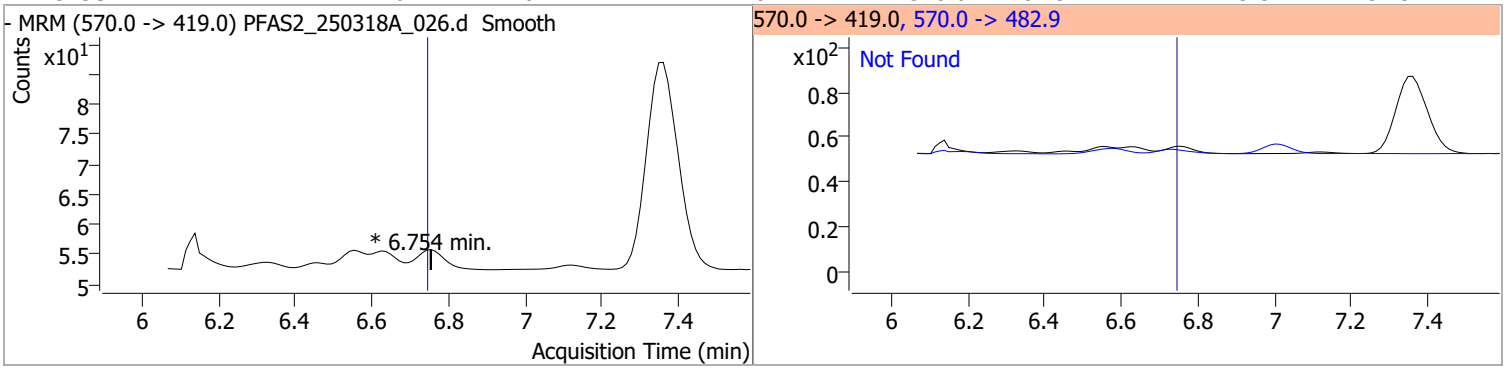
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



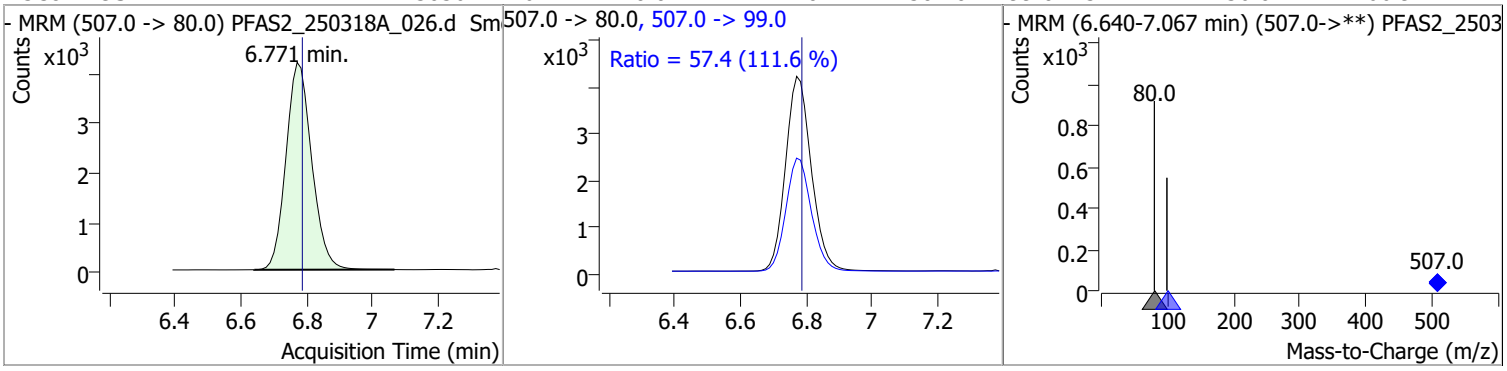
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7639	6.74	0.00	51943				



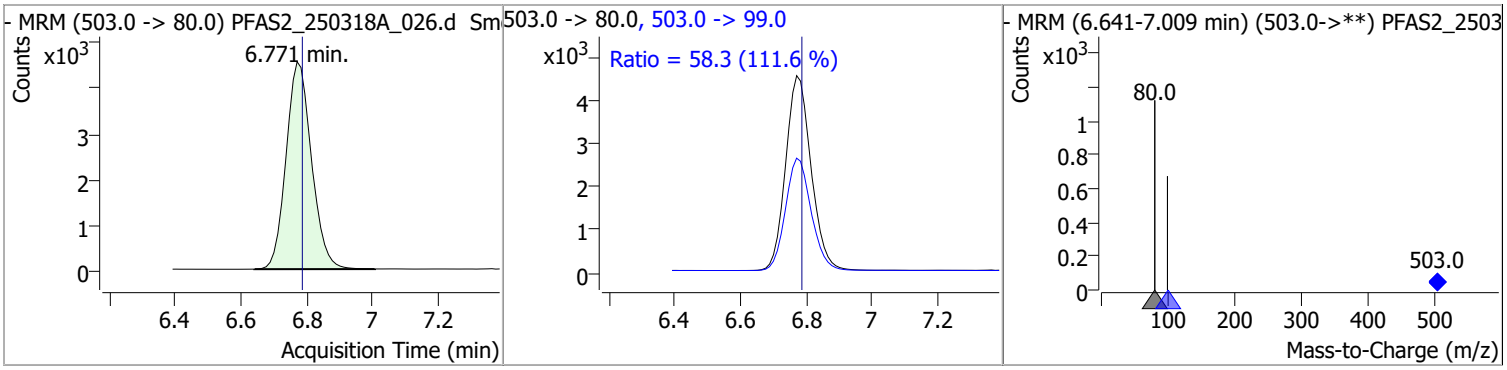
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



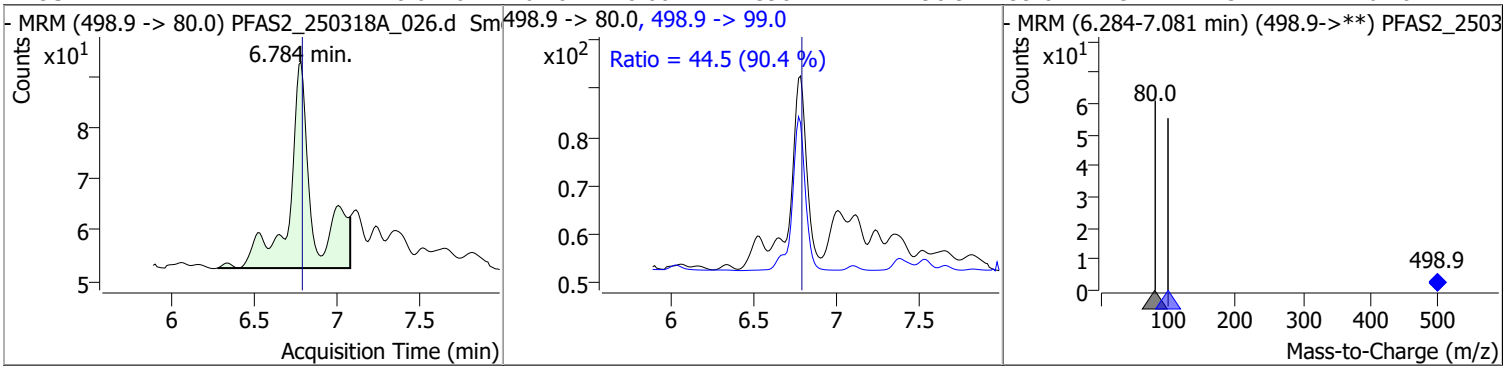
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3036	6.77	-0.01	22720	507.0 -> 99.0	57.4	36.0	66.9



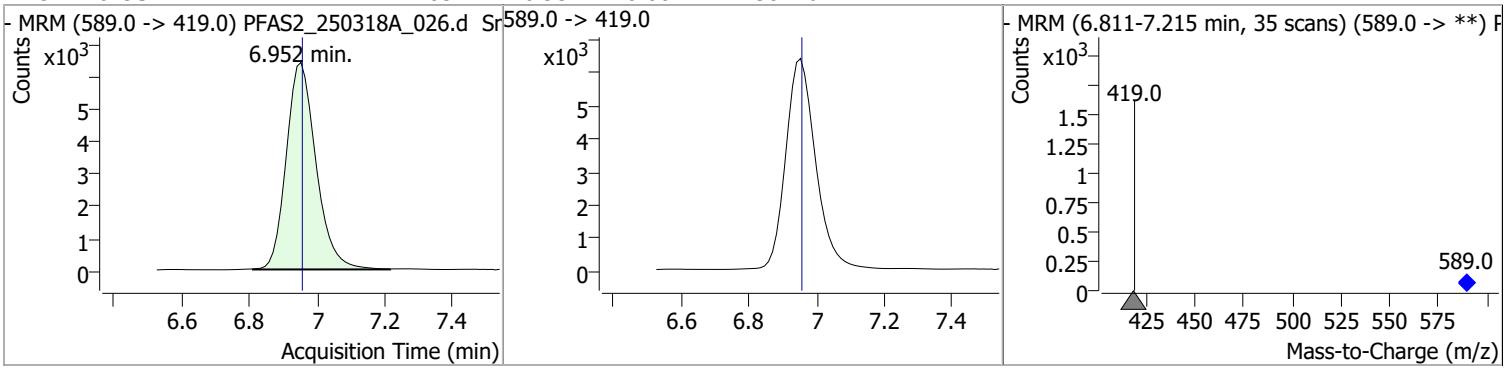
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24301	503.0 -> 99.0	58.3	36.6	67.9



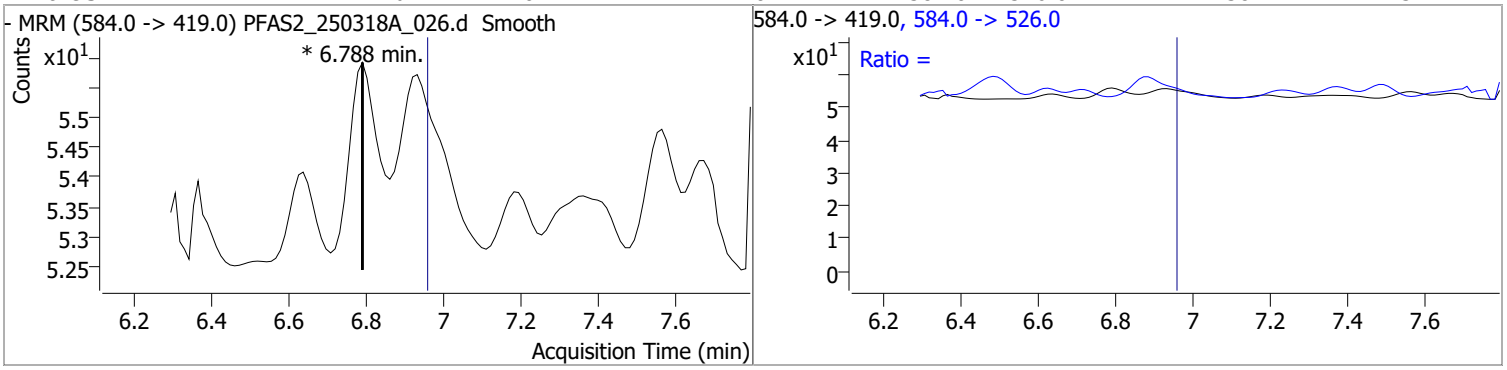
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0746	6.78	0.00	398	498.9 -> 99.0	44.5	34.4	64.0



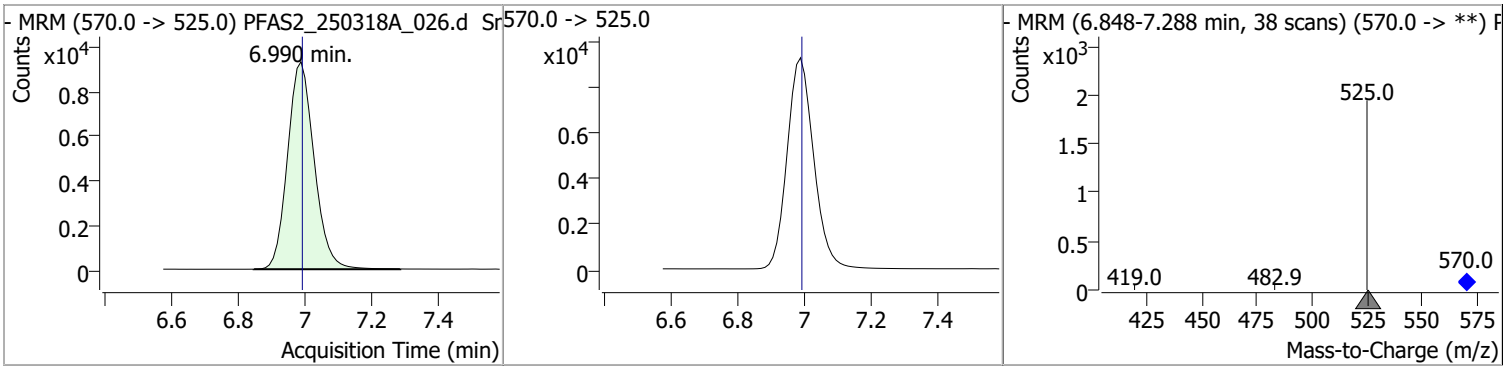
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7032	6.95	0.00	38716				



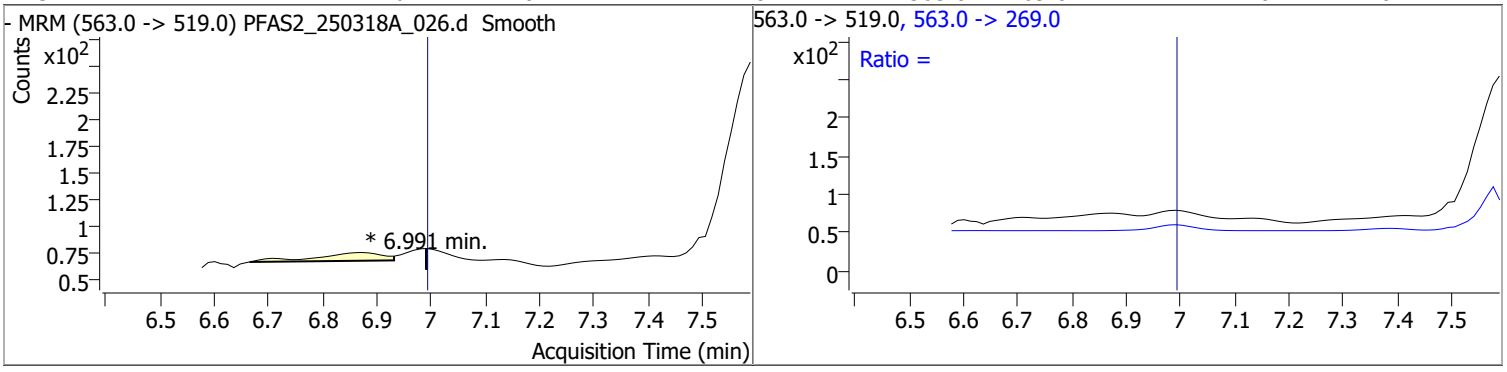
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



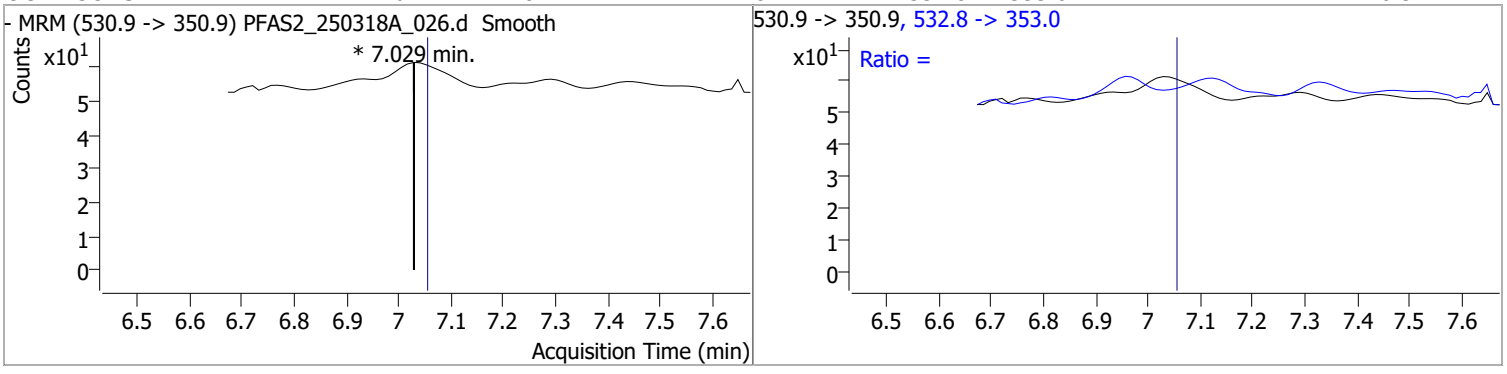
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3272	6.99	0.00	51416				



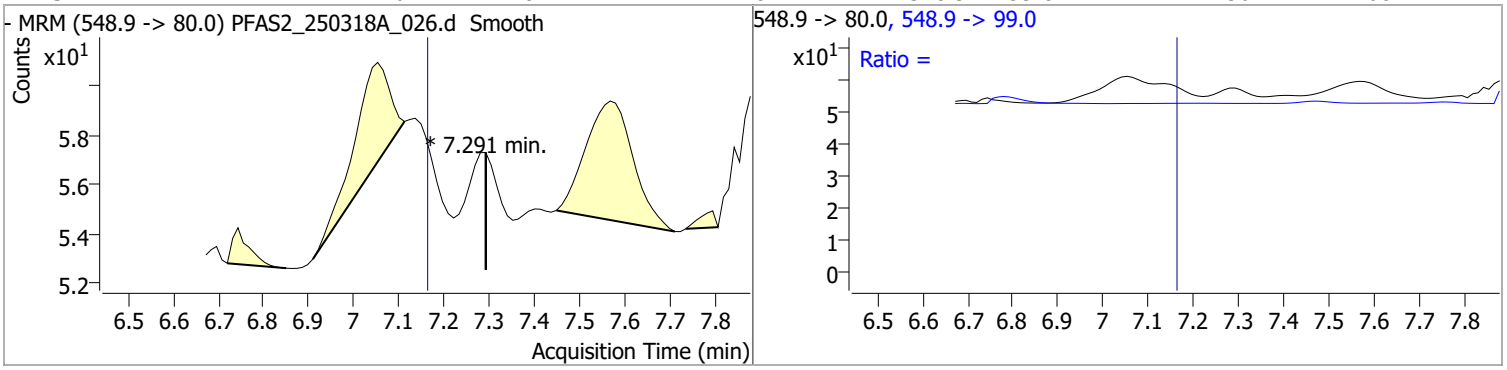
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



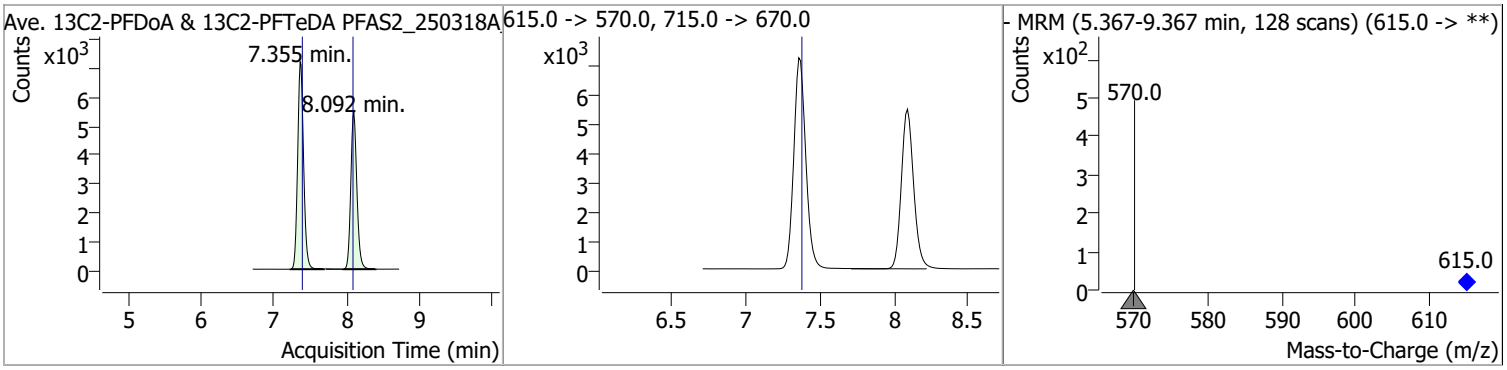
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



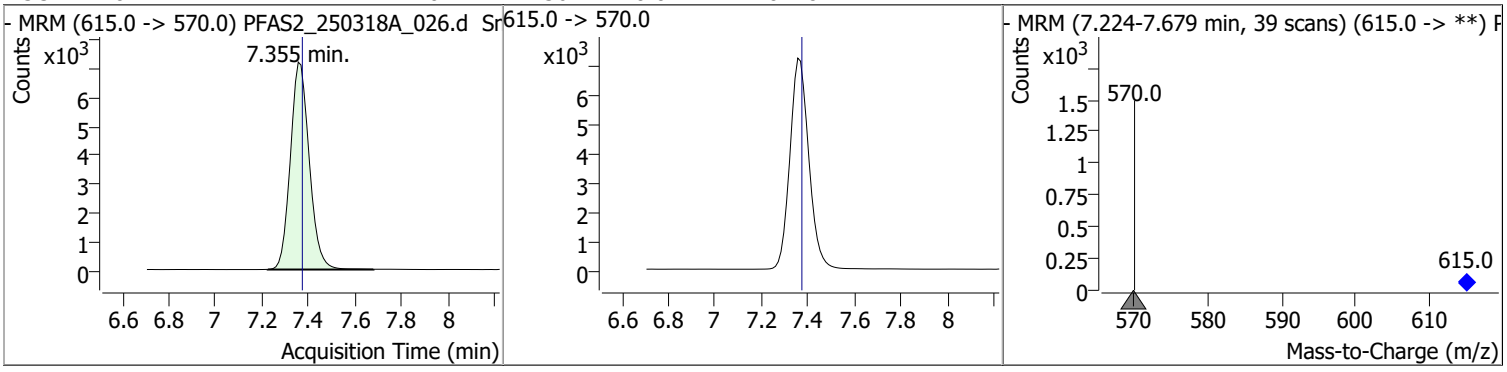
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



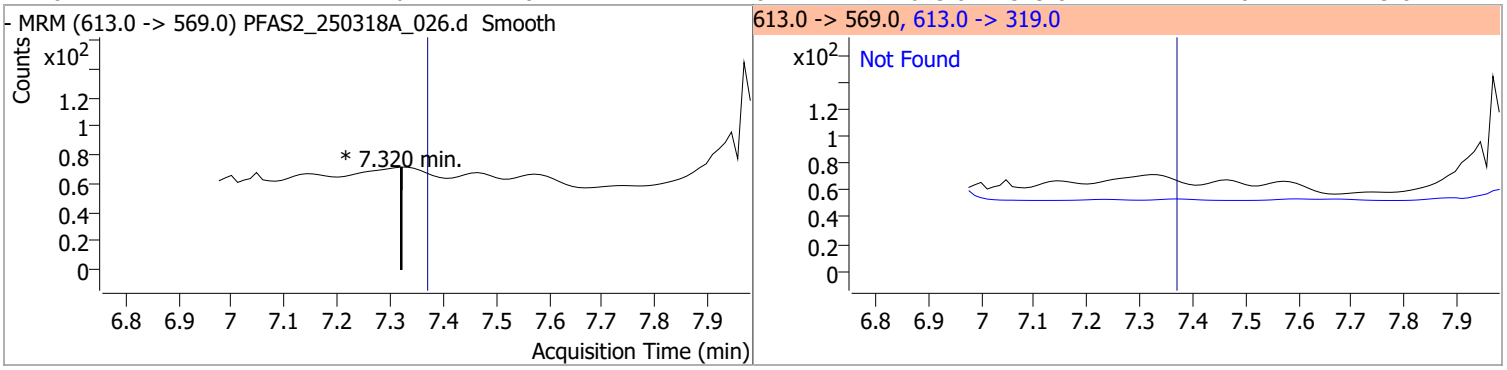
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1272	7.72	0.36	35993				



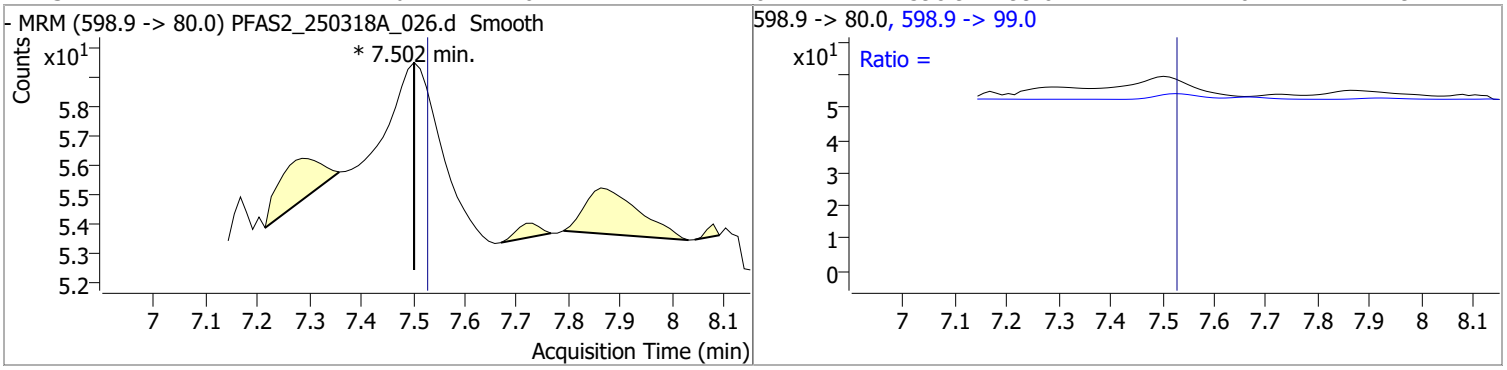
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4024	7.36	-0.01	40478				



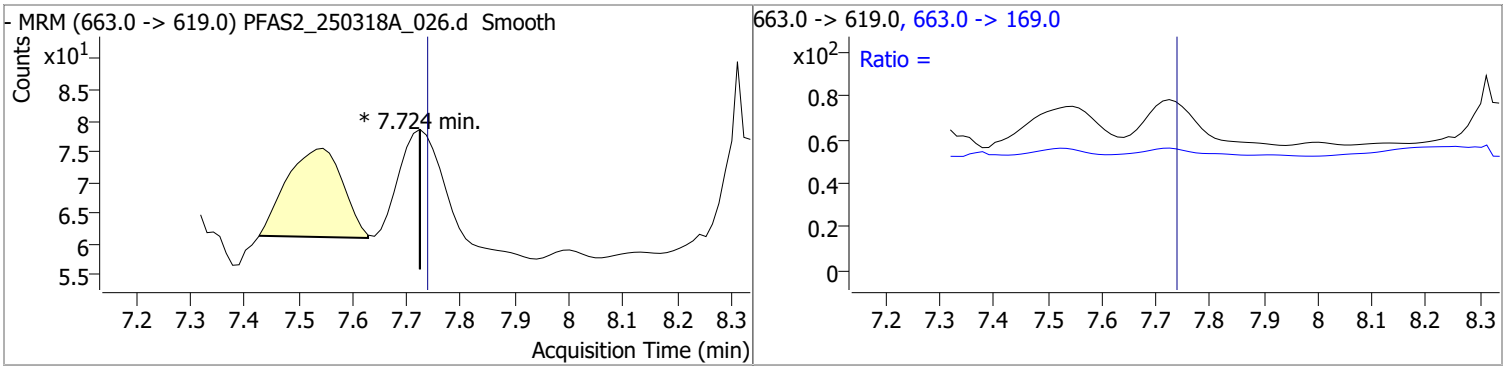
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



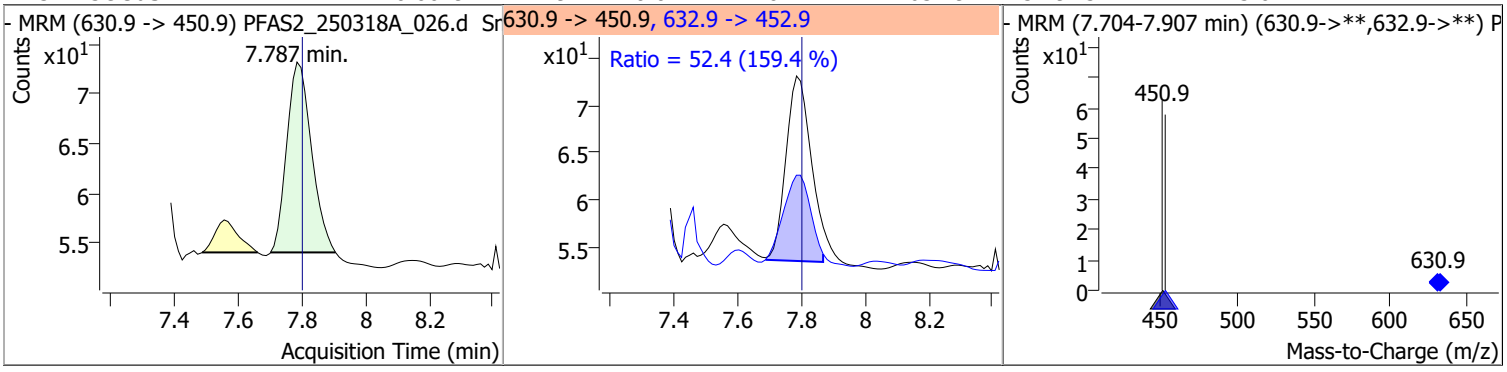
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



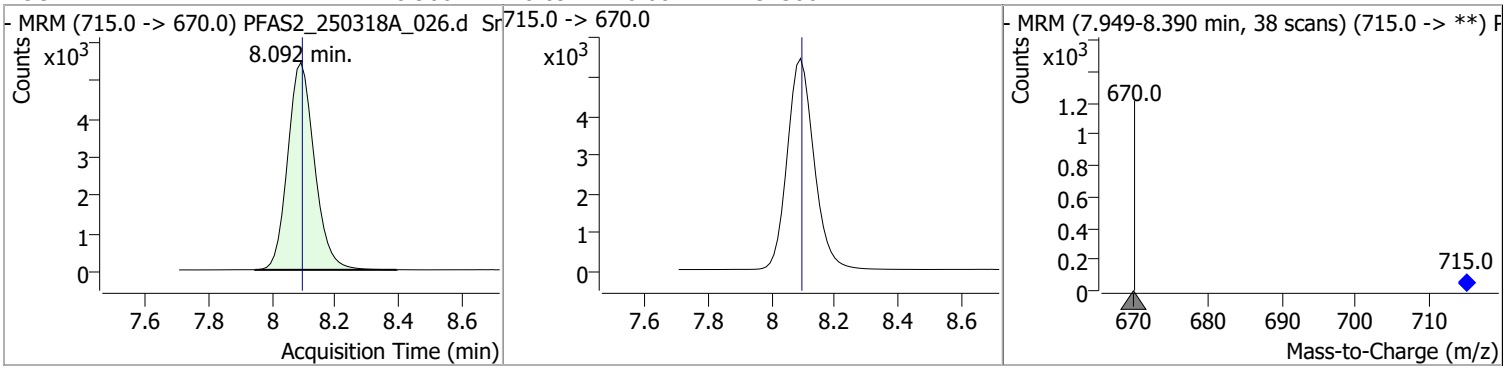
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



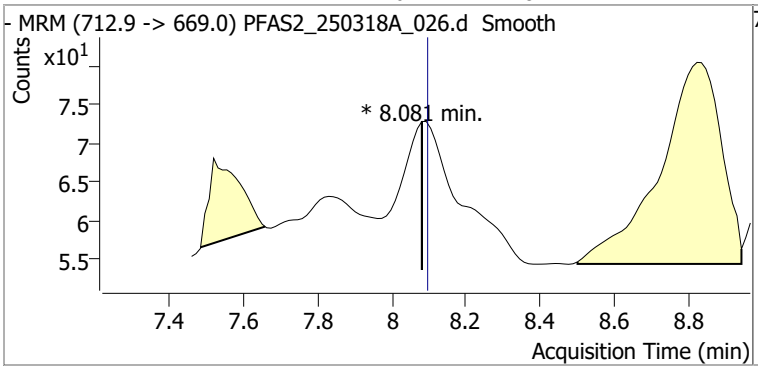
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0049	7.79	-0.01	102	632.9 -> 452.9	52.4	23.0	42.7

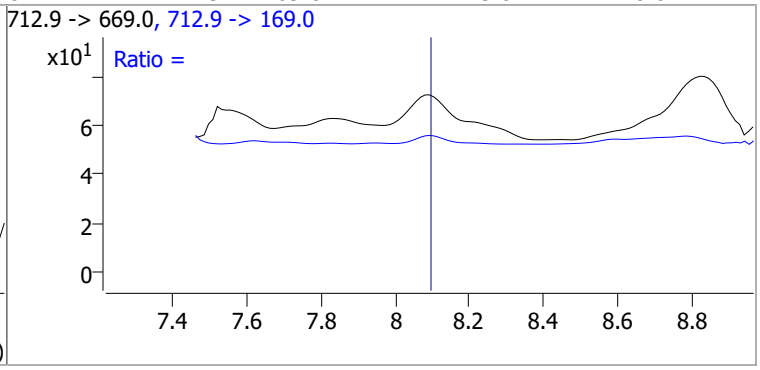


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9002	8.09	0.00	31508				

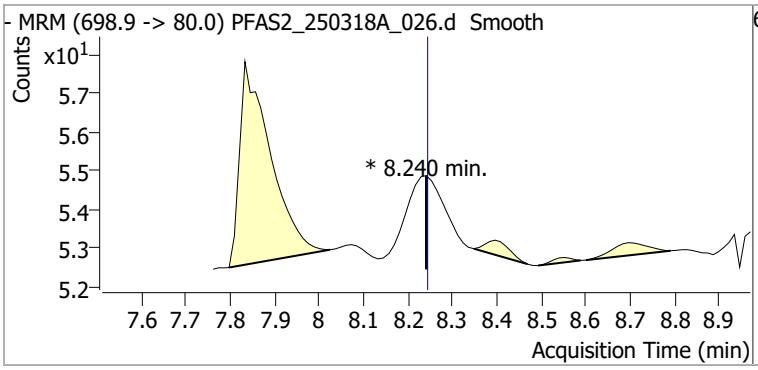


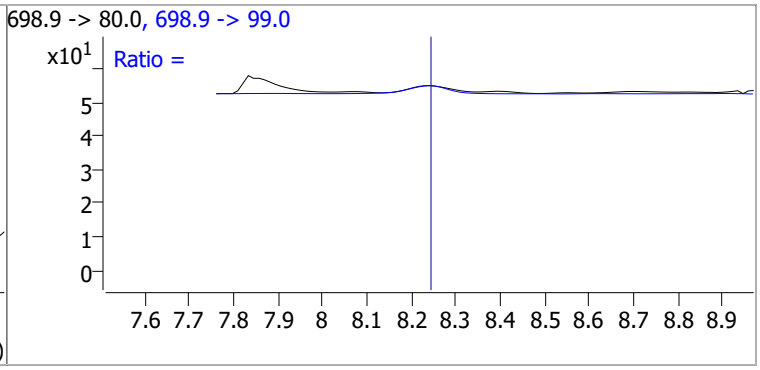
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



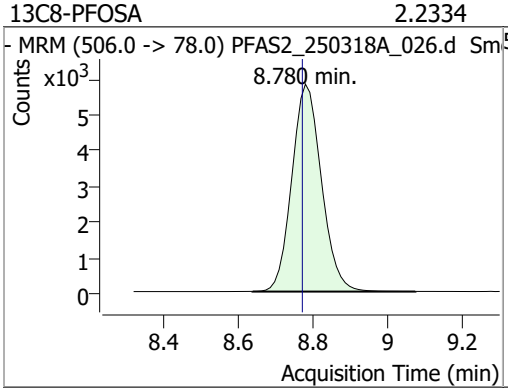


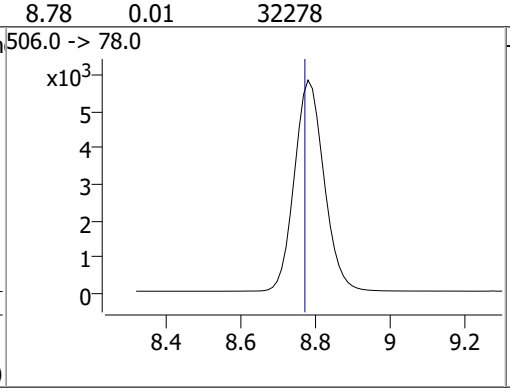
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

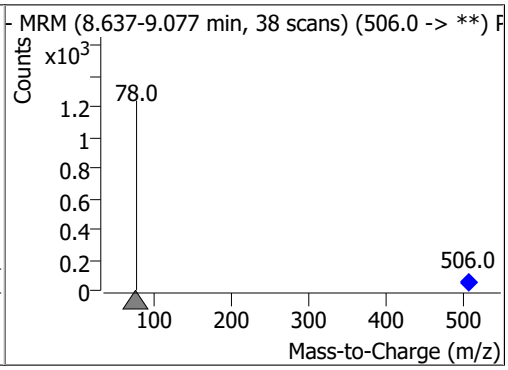




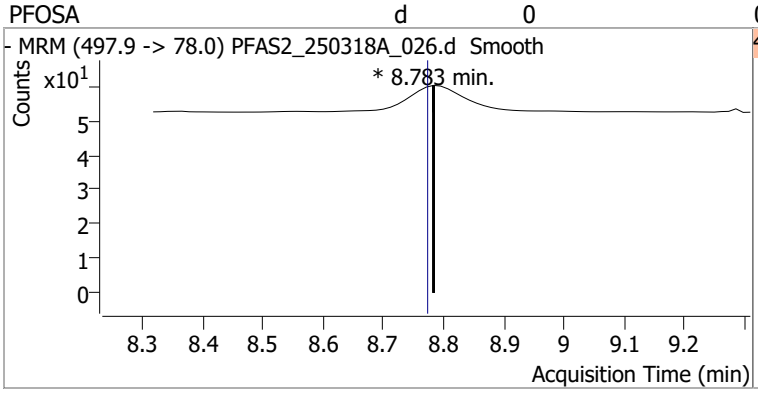
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2334	8.78	0.01	32278				

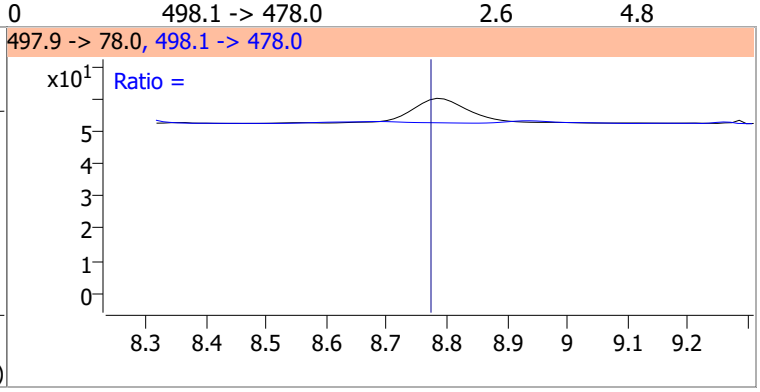




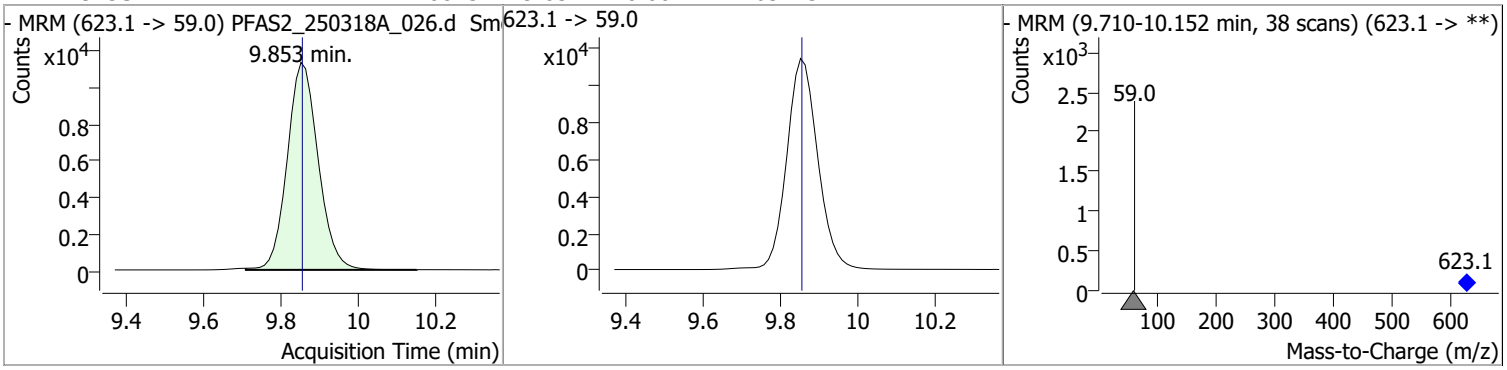


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

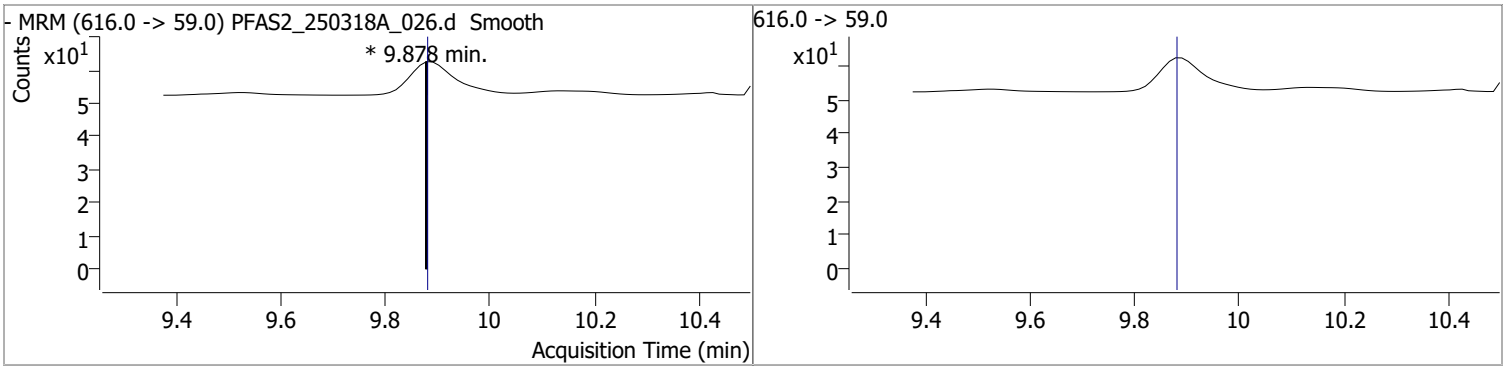




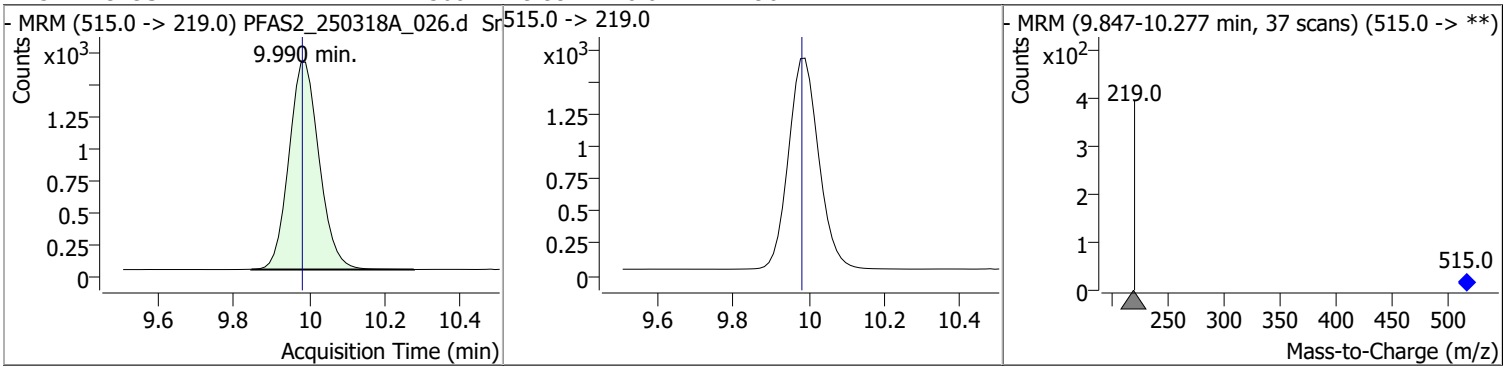
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.8823	9.85	0.00	63113				



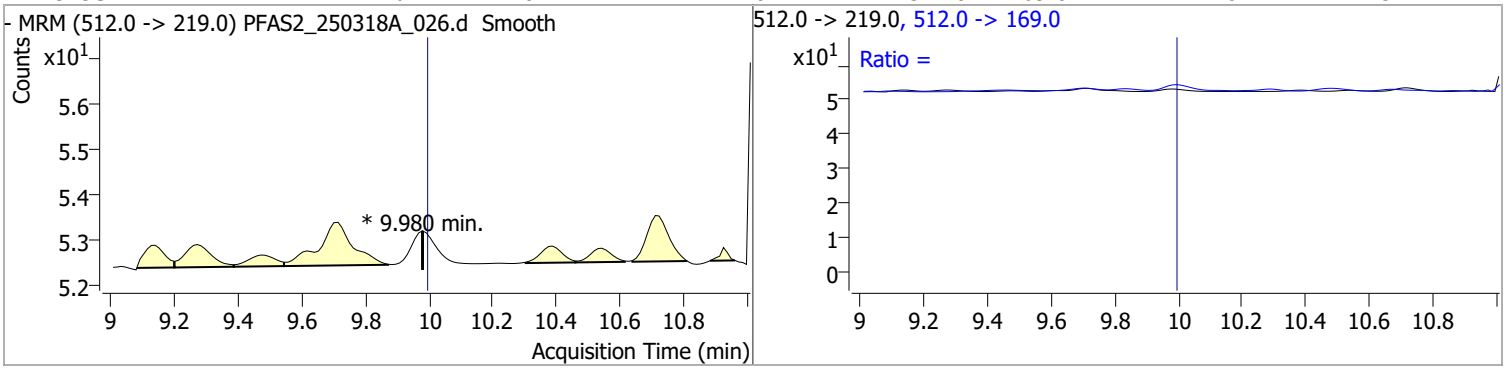
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	d	0		0				



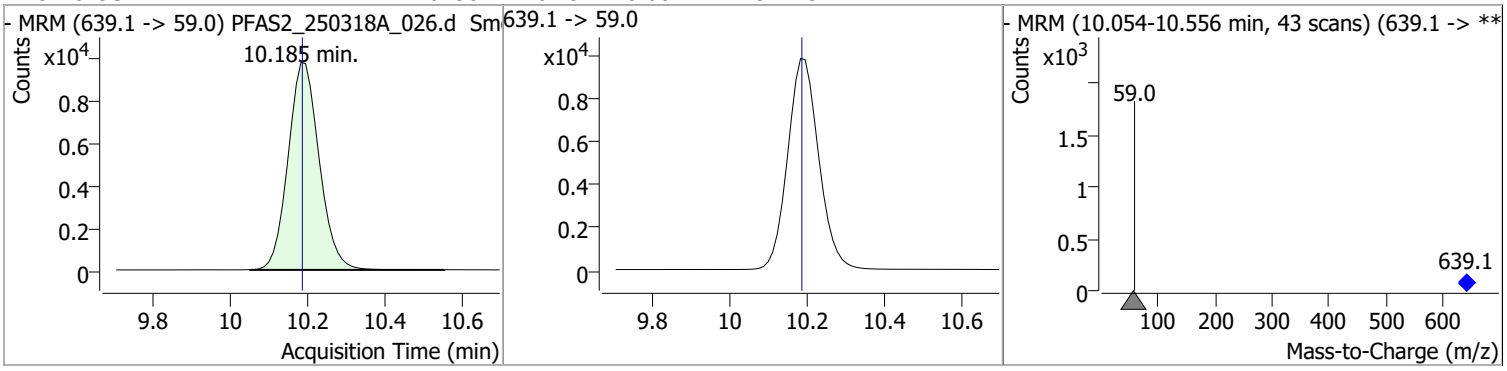
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2368	9.99	0.01	9072				



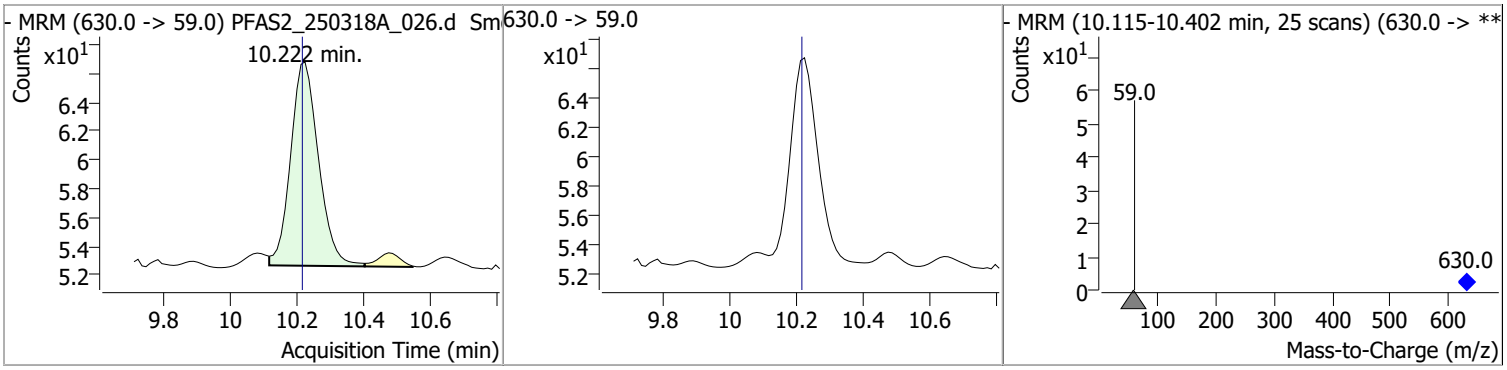
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



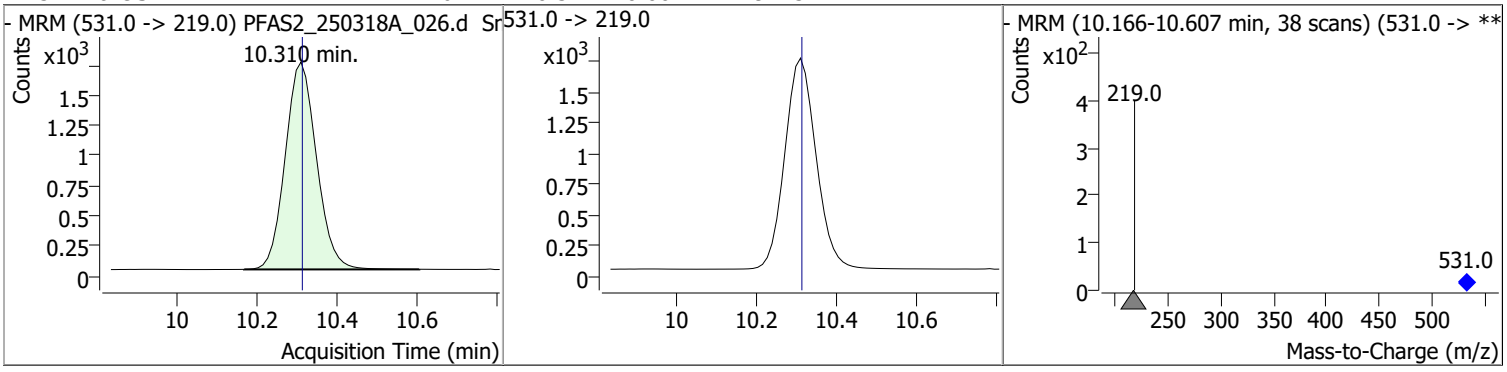
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.0738	10.19	0.00	54725				



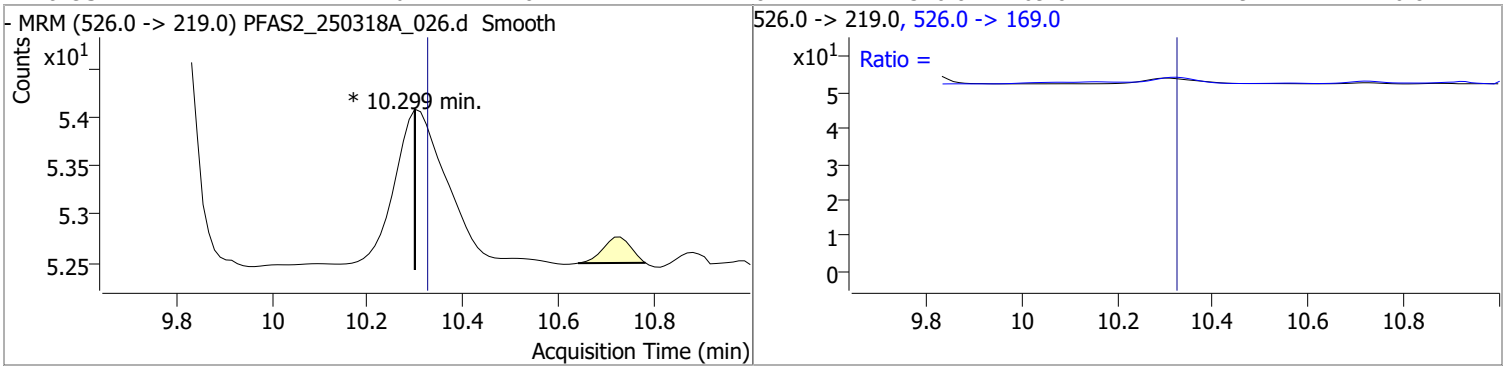
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0514	10.22	0.01	82				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1467	10.31	0.00	9415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_026.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:37:41 PM
Sample Name	O25C0550-02	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

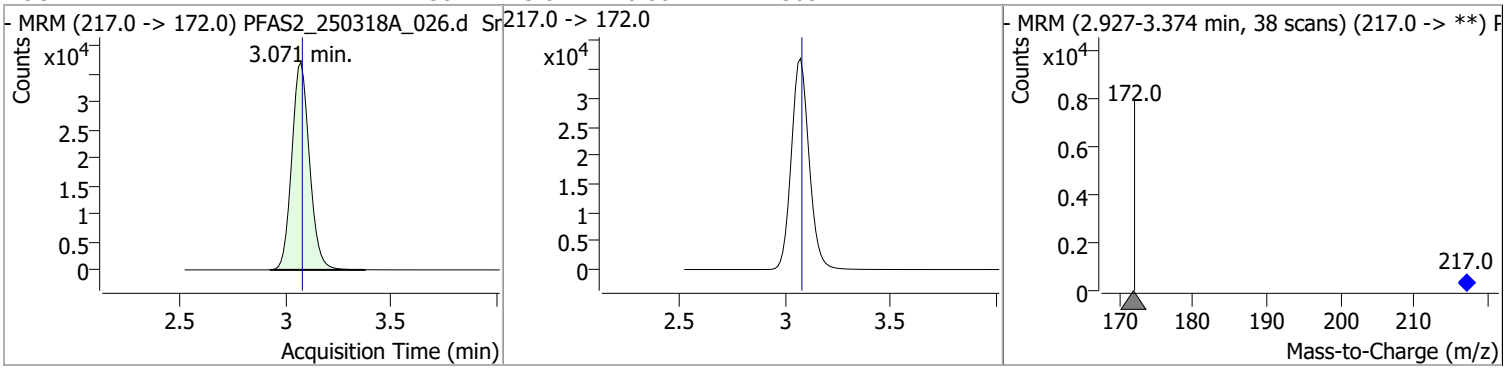
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	122760	5.0000	µg/L		-10.291
13C2-PFHxA	4.902	315.0 -> 270.0	140433	2.5000	µg/L		-8.467
18O2-PFHxS	5.967	403.0 -> 84.0	27171	2.5000	µg/L		-8.301
13C4-PFOA	5.835	417.0 -> 172.0	14495	2.5000	µg/L		-6.170
13C5-PFNA	6.226	468.0 -> 423.0	68310	1.2500	µg/L		-4.022
13C2-PFDA	6.615	515.0 -> 470.0	60408	1.2500	µg/L		-9.672
13C4-PFOS	6.771	503.0 -> 80.0	24301	2.5000	µg/L		-2.444
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	215652	10.0000	µg/L		-30.621
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 77.30%			
13C5-PFPeA	4.234	268.0 -> 223.0	45828	5.0000	µg/L		-77.852
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 24.20%			
13C5-PFPeA	4.234	268.0 -> 223.0	45828	5.0000	µg/L		-77.852
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 24.20%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27839	5.0000	µg/L		10.189
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.65%			
13C5-PFHxA	4.901	318.0 -> 273.0	143669	2.5000	µg/L		-14.910
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C5-PFHxA	4.901	318.0 -> 273.0	143669	2.5000	µg/L		-14.910
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C3-PFBS	4.941	302.0 -> 80.0	49669	2.5000	µg/L		-18.204
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.29%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	157931	10.0000	µg/L		-9.636
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.72%			
13C4-PFHpA	5.397	367.0 -> 322.0	171059	2.5000	µg/L		-9.438
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.97%			
13C3-PFHxS	5.968	402.0 -> 80.0	30212	2.5000	µg/L		-13.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.30%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15978	5.0000	µg/L	#	8.191
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.11%			
13C8-PFOA	5.835	421.0 -> 376.0	161612	2.5000	µg/L		-6.442
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.73%			
13C3-PFHxS	5.968	402.0 -> 80.0	30212	2.5000	µg/L		-13.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.30%			
13C9-PFNA	6.225	472.0 -> 427.0	65658	1.2500	µg/L		-6.820
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.04%			
13C8-PFOS	6.771	507.0 -> 80.0	22720	2.5000	µg/L		-10.141
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.15%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11216	5.0000	µg/L	#	-5.315
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.12%			
13C6-PFDA	6.615	519.0 -> 474.0	64221	1.2500	µg/L		-5.502
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.52%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51943	5.0000	µg/L		-6.943
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.28%			
13C8-PFOS	6.771	507.0 -> 80.0	22720	2.5000	µg/L		-10.141

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.15%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	38716	5.0000	µg/L		-8.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.06%			
13C7-PFUnDA	6.990	570.0 -> 525.0	51416	1.2500	µg/L		-4.080
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.18%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	35993	1.2500	µg/L		-18.411
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.18%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40478	1.2500	µg/L		1.335
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 112.20%			
13C2-PFTDA	8.092	715.0 -> 670.0	31508	1.2500	µg/L		-34.747
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.02%			
13C8-PFOSA	8.780	506.0 -> 78.0	32278	2.5000	µg/L		-12.671
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.34%			
2H7-MeFOSE	9.853	623.1 -> 59.0	63113	25.0000	µg/L		-49.768
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 51.53%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9072	2.5000	µg/L		-12.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.47%			
2H9-EtFOSE	10.185	639.1 -> 59.0	54725	25.0000	µg/L		-13.831
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.30%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9415	2.5000	µg/L		-16.239
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.87%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	3841	0.2840	µg/L		100
PFMPA	3.638	229.0 -> 85.0	19	0.0593	µg/L		100
3-3 FTCA	3.778	241.0 -> 177.0	3	0.0000	µg/L		21
PFPeA	4.235	263.0 -> 219.0	377	0.0690	µg/L		100
PFMBA	4.453	279.0 -> 85.0	7	0.0348	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	22	0.0013	µg/L		41
NFDHA	4.834	295.0 -> 201.0	25	0.0240	µg/L		48
PFHxA	4.904	313.0 -> 269.0	520	0.0101	µg/L		89
PFBS	4.942	298.9 -> 80.0	2487	0.1206	µg/L		91
HFPO-DA	5.098	285.0 -> 169.0	87	0.0062	µg/L		33
PFEESA	5.330	314.9 -> 135.0	29	0.0519	µg/L		80
PFHpA	5.386	363.0 -> 319.0	809	0.0335	µg/L	#	72
5-3 FTCA	5.411	341.0 -> 237.0	15	0.1805	µg/L		4
PFPeS	5.494	348.9 -> 80.0	389	0.0238	µg/L		79
DONA	0.000		0	N.D.			
6-2 FTSA	5.654	427.0 -> 407.0	57	0.1150	µg/L	#	28
PFOA	5.836	413.0 -> 369.0	819	0.0491	µg/L		93
PFHxS	5.957	398.9 -> 80.0	512	0.0436	µg/L		94
PFNA	6.405	463.0 -> 419.0	88	0.0085	µg/L		62
PFHpS	6.346	448.9 -> 80.0	9	0.0009	µg/L		84
8-2 FTSA	6.412	527.0 -> 507.0	14	0.0752	µg/L		91
7-3 FTCA	6.609	441.0 -> 317.0	64	0.2654	µg/L	#	40
PFDA	6.592	513.0 -> 469.0	173	0.0005	µg/L	#	74
N-MeFOSAA	6.754	570.0 -> 419.0	49	0.0135	µg/L		33
PFOS	6.784	498.9 -> 80.0	398	0.0746	µg/L		93
N-EtFOSAA	6.788	584.0 -> 419.0	46	0.0174	µg/L	#	1
PFUnDA	6.991	563.0 -> 519.0	54	0.0147	µg/L	#	1
9Cl-PF3ONS	7.029	530.9 -> 350.9	58	0.0661	µg/L	#	35
PFNS	7.291	548.9 -> 80.0	10	0.0013	µg/L	#	54
PFDoDA	7.320	613.0 -> 569.0	154	0.0052	µg/L		65
PFDS	7.502	598.9 -> 80.0	16	0.0028	µg/L		81
PFTrDA	7.724	663.0 -> 619.0	95	0.0035	µg/L	#	66

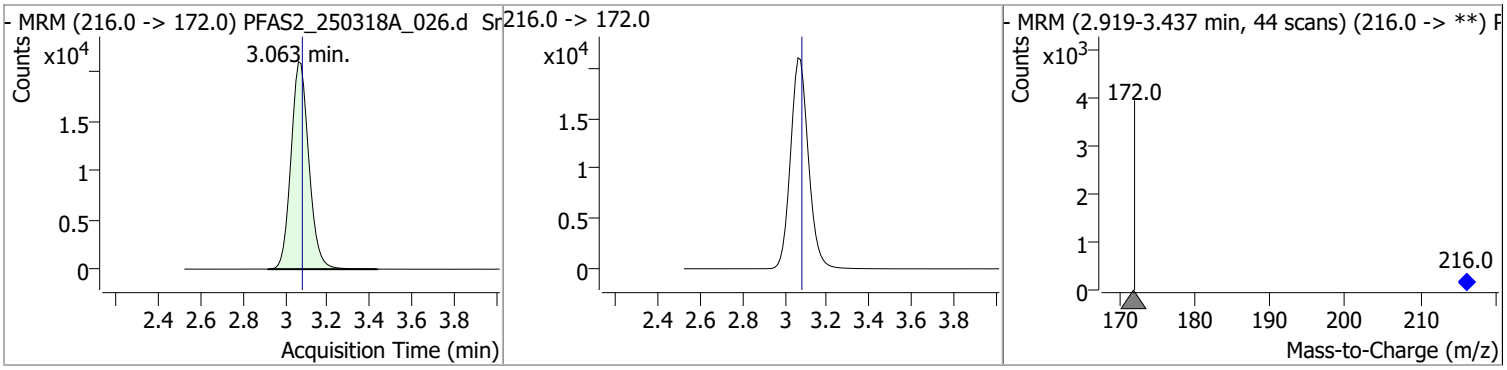
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	102	0.0049	µg/L	#	65
PFTDA	8.081	712.9 -> 669.0	121	0.0120	µg/L	#	81
PFDoS	8.240	698.9 -> 80.0	12	0.0030	µg/L	#	1
PFOSA	8.783	497.9 -> 78.0	48	0.0043	µg/L	#	78
MeFOSE	9.878	616.0 -> 59.0	55	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	4	0.0011	µg/L	#	1
EtFOSE	10.222	630.0 -> 59.0	82	0.0514	µg/L		100
N-EtFOSA	10.299	526.0 -> 219.0	12	0.0034	µg/L		92

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

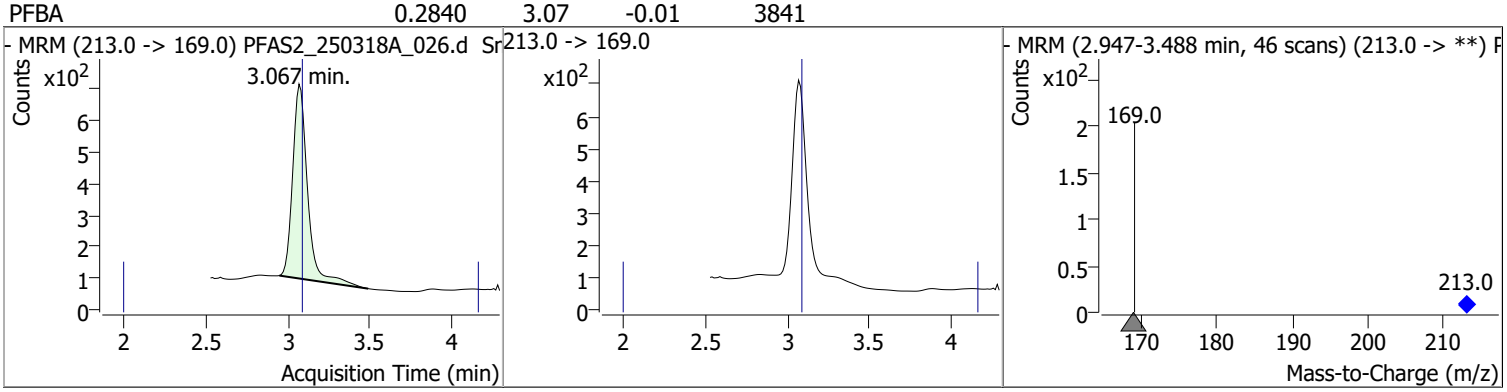
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.7304	3.07	0.00	215652				



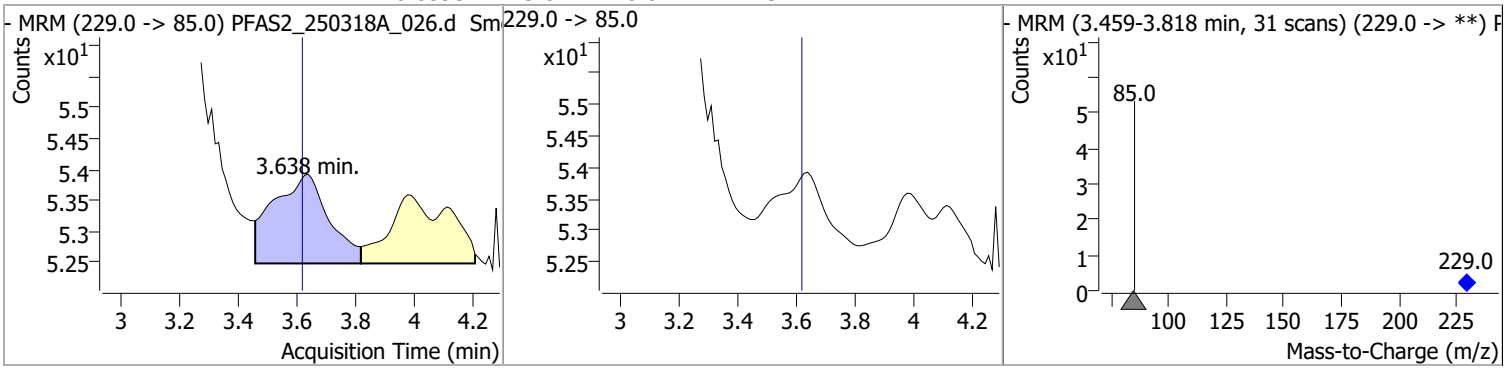
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	122760				



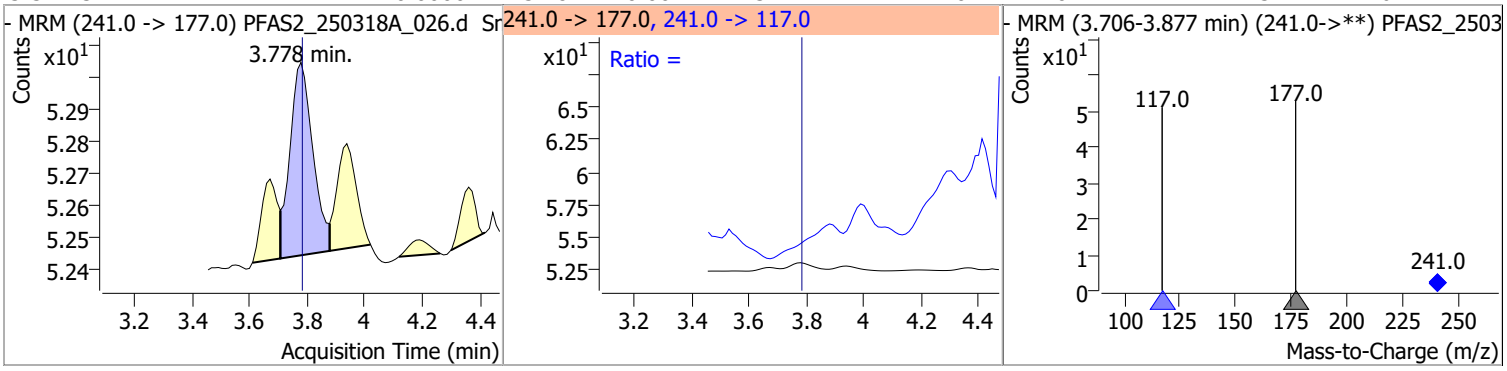
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.2840	3.07	-0.01	3841				



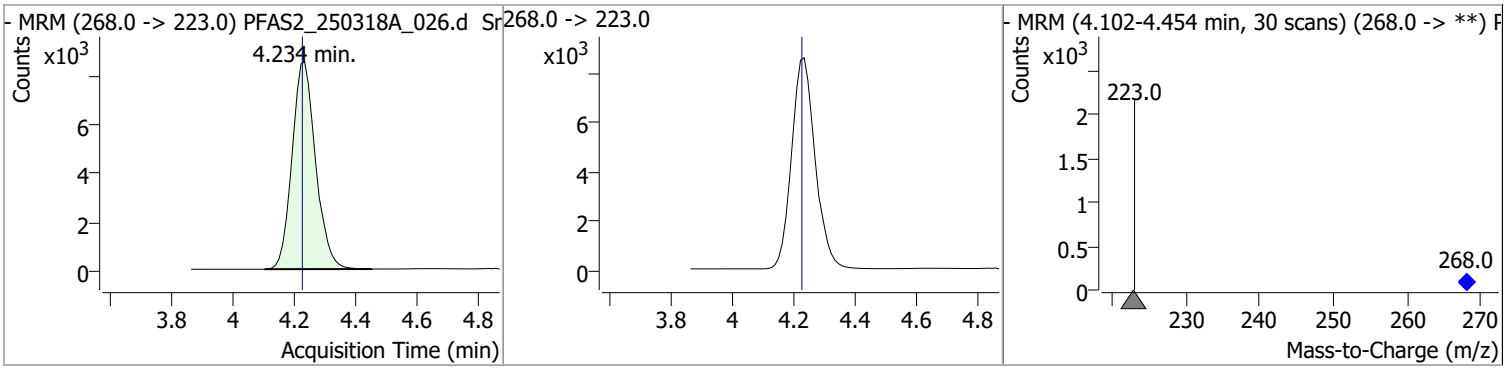
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0593	3.64	0.02	19				



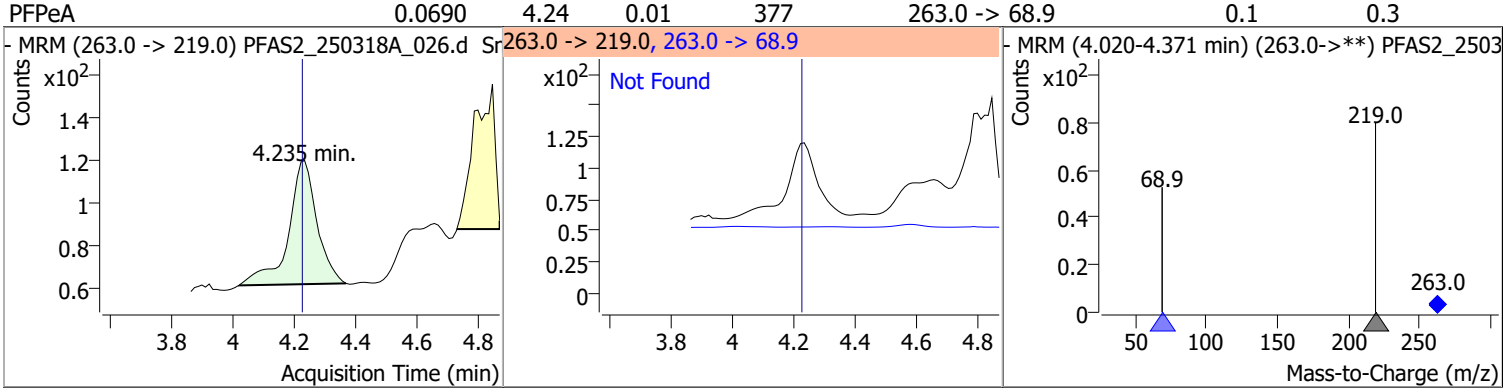
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.78	0.00	3	241.0 -> 117.0		41.3	76.7



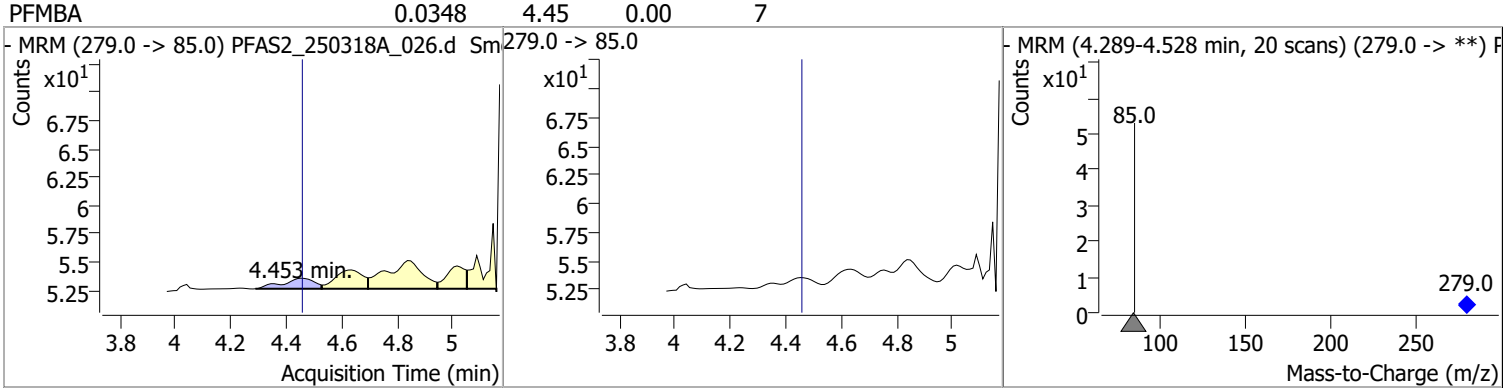
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	1.2099	4.23	0.01	45828				



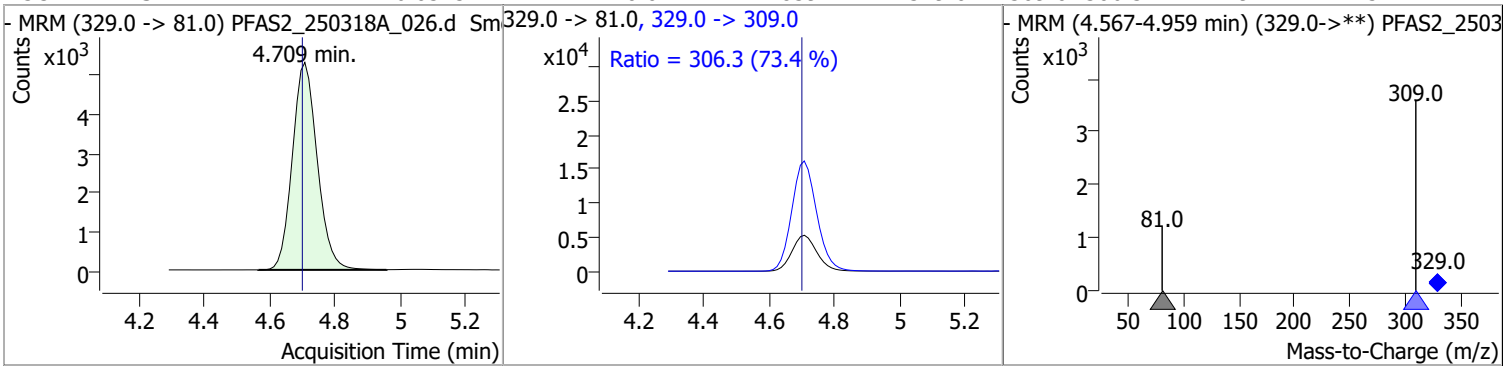
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0690	4.24	0.01	377	263.0 -> 68.9		0.1	0.3



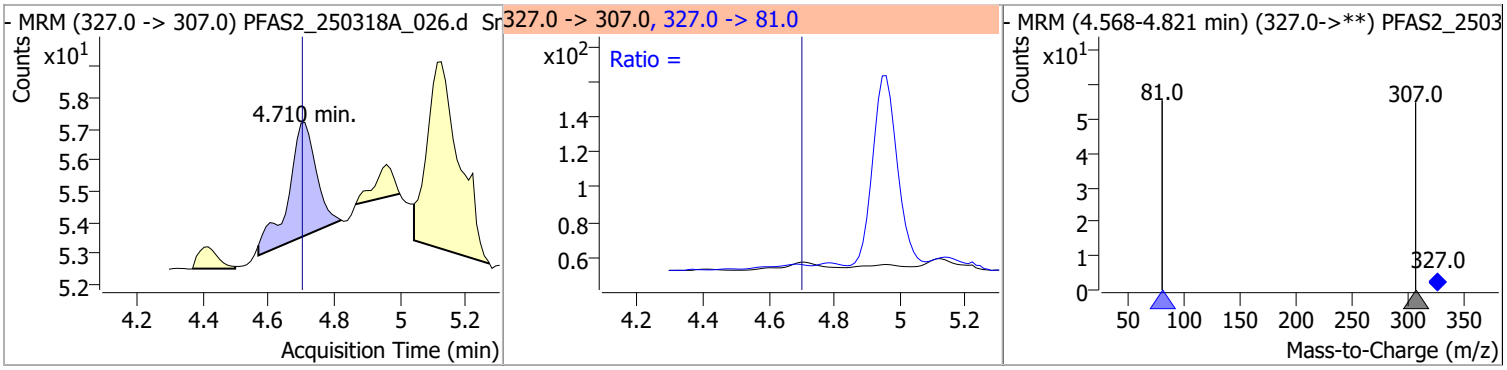
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0348	4.45	0.00	7				



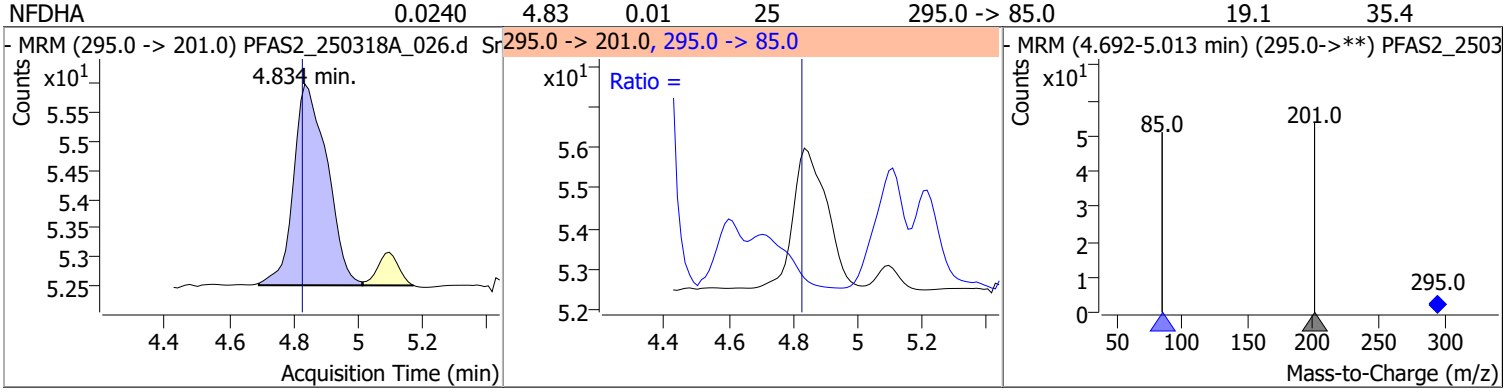
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0325	4.71	0.01	27839	329.0 -> 309.0	306.3	292.1	542.4



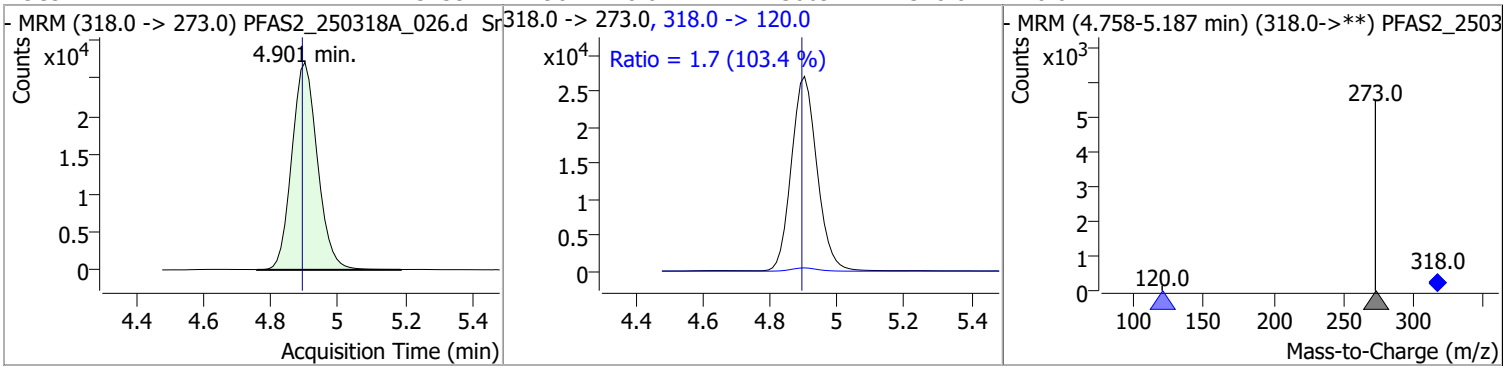
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0013	4.71	0.01	22	327.0 -> 81.0		23.6	43.9



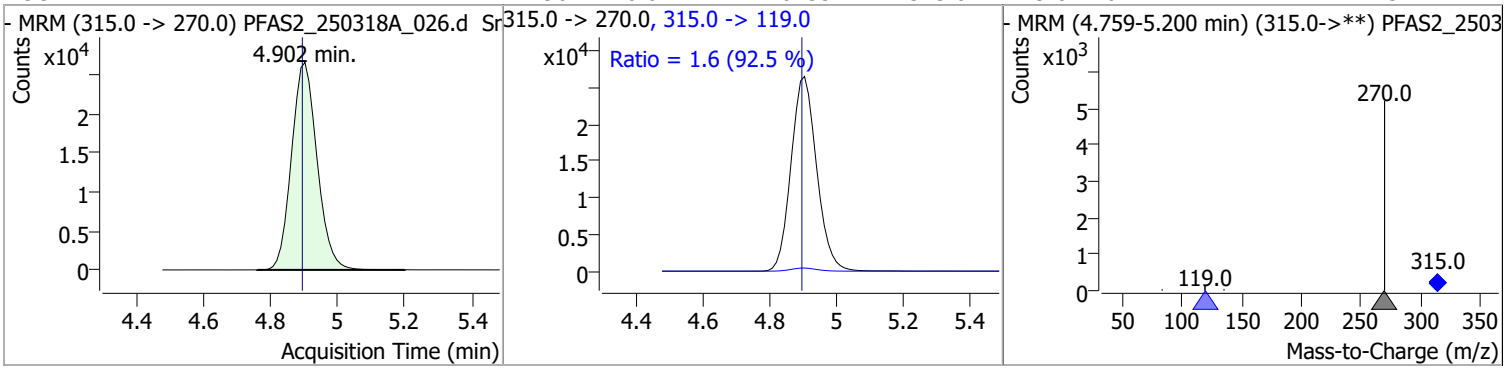
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0240	4.83	0.01	25	295.0 -> 85.0		19.1	35.4



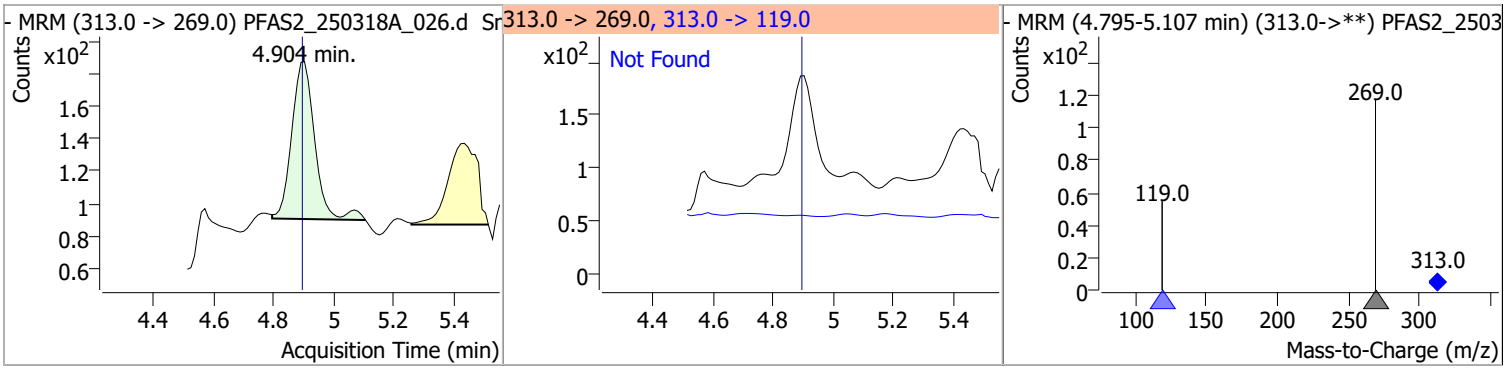
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3235	4.90	0.01	143669	318.0 -> 120.0	1.7	1.1	2.1



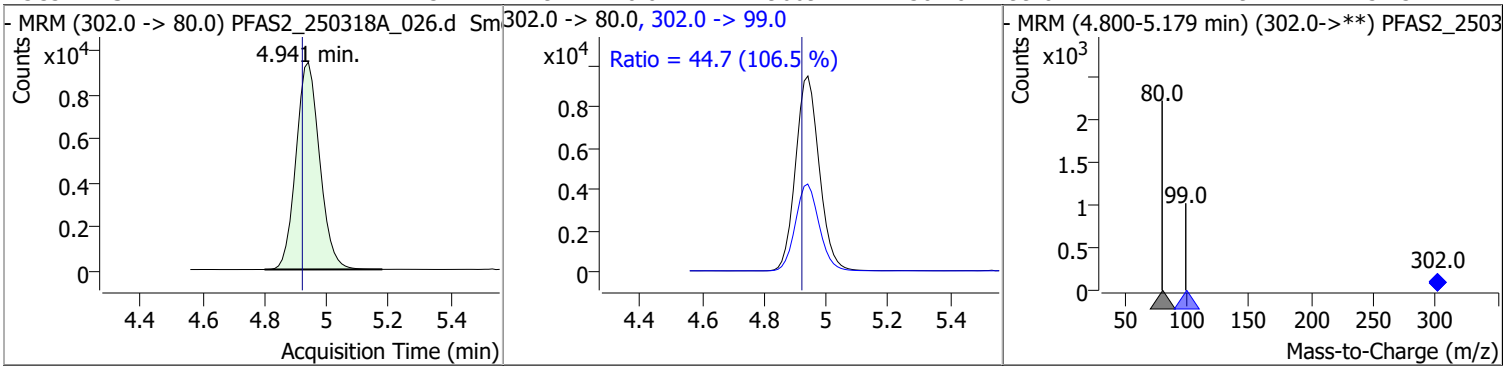
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	140433	315.0 -> 119.0	1.6	1.2	2.3



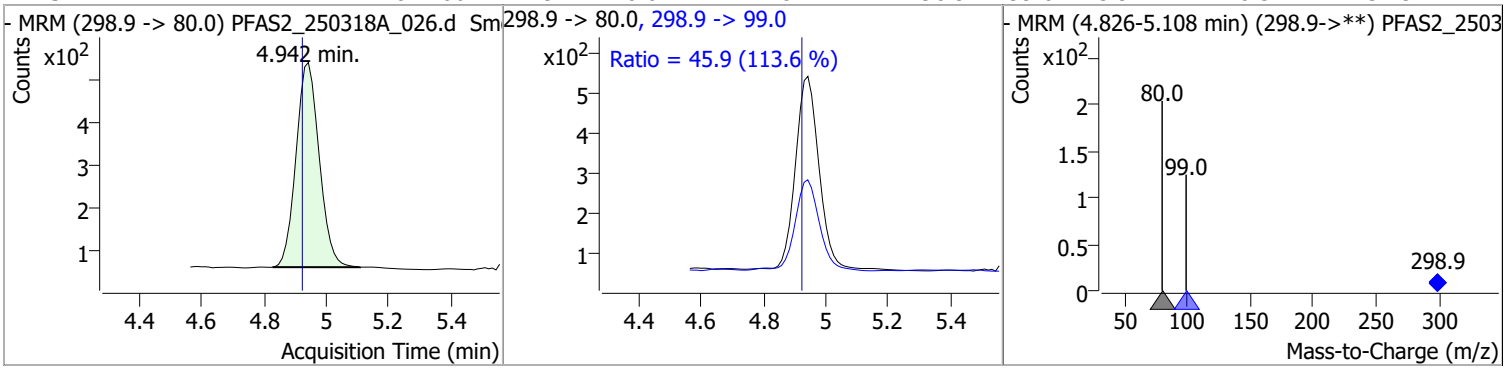
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0101	4.90	0.01	520	313.0 -> 119.0		2.4	4.5



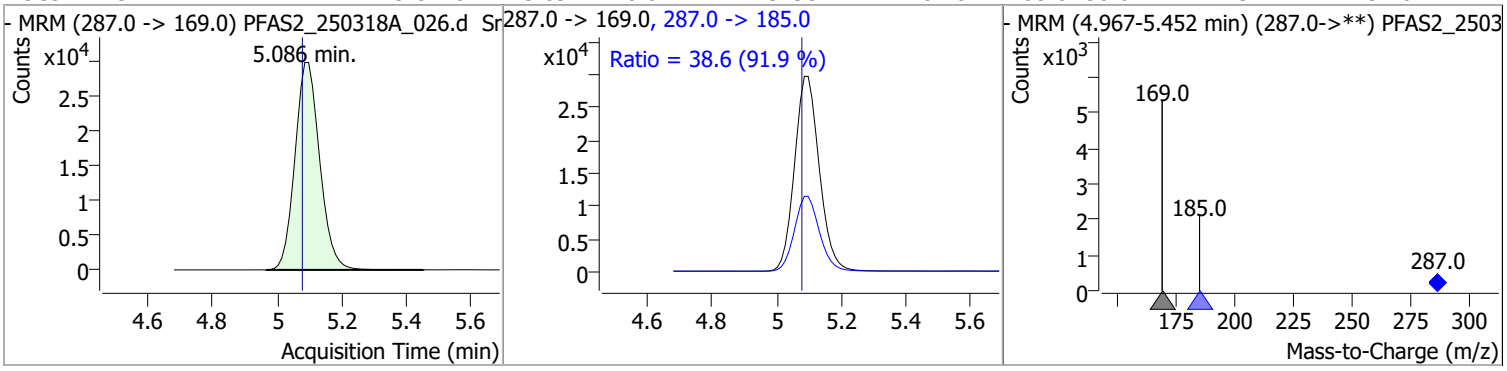
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2324	4.94	0.02	49669	302.0 -> 99.0	44.7	29.4	54.5



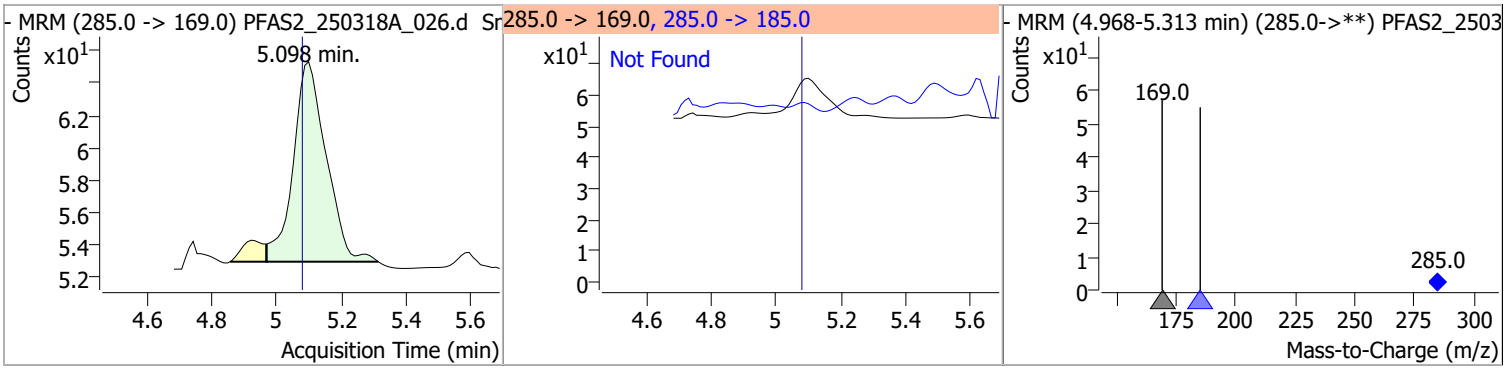
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1206	4.94	0.02	2487	298.9 -> 99.0	45.9	28.3	52.5



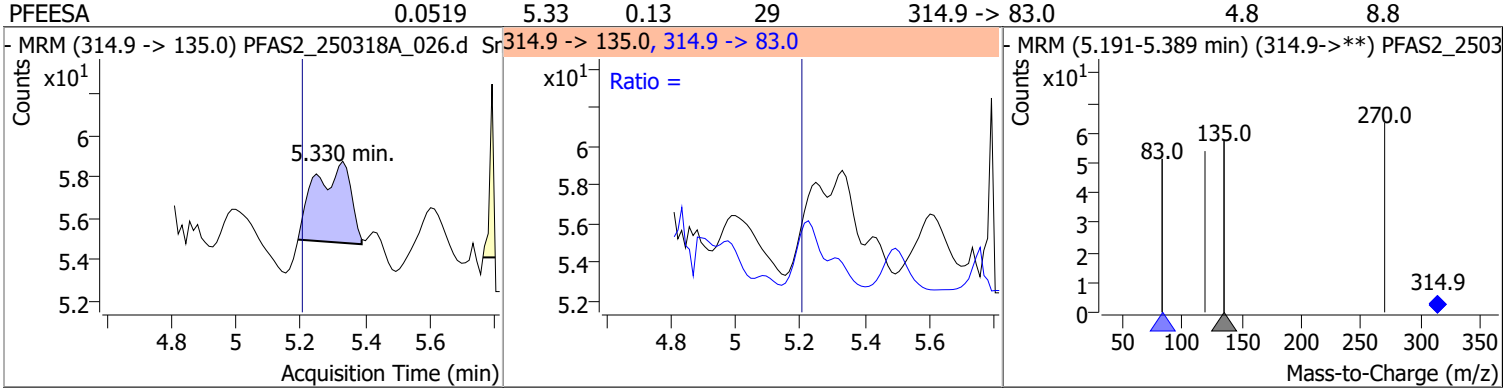
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8720	5.09	0.01	157931	287.0 -> 185.0	38.6	29.4	54.6



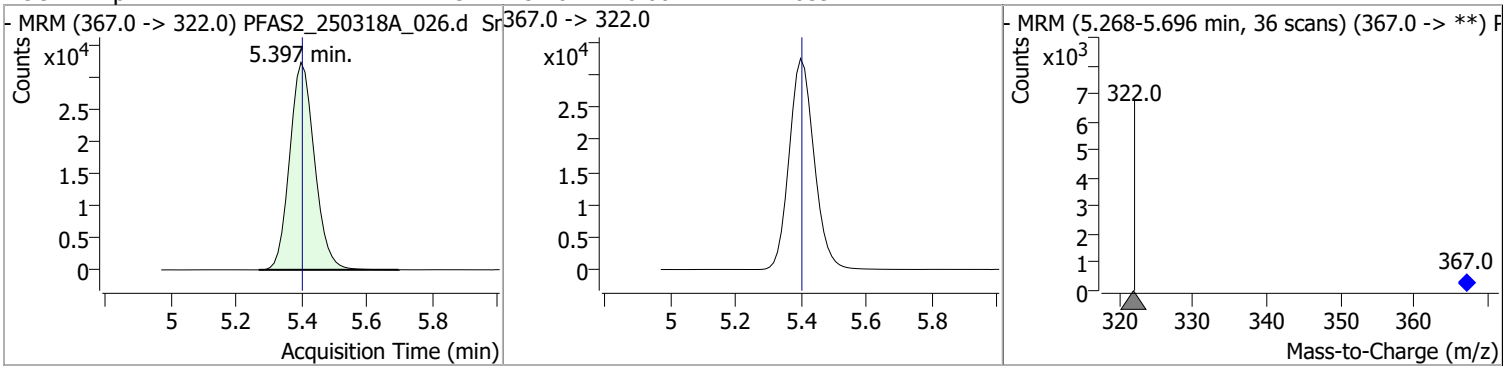
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0062	5.10	0.02	87	285.0 -> 185.0		30.1	56.0



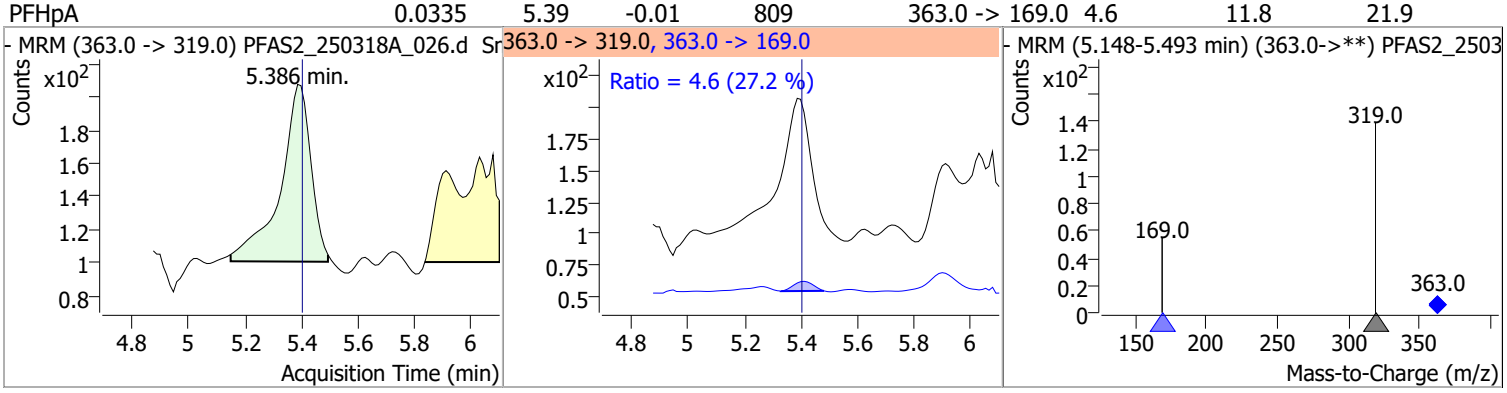
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.33	0.13	29	314.9 -> 83.0		4.8	8.8



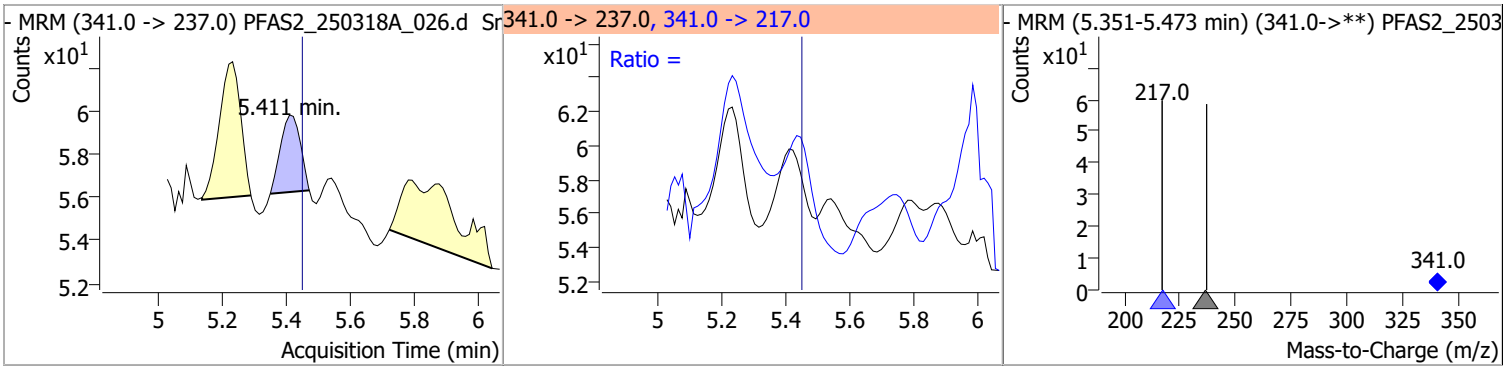
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4743	5.40	0.00	171059				



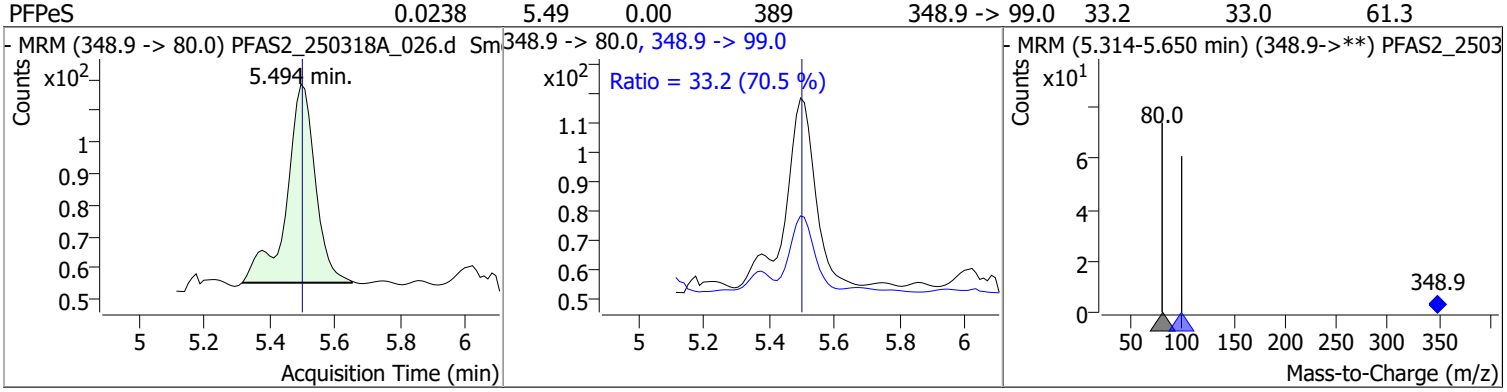
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0335	5.39	-0.01	809	363.0 -> 169.0	4.6	11.8	21.9



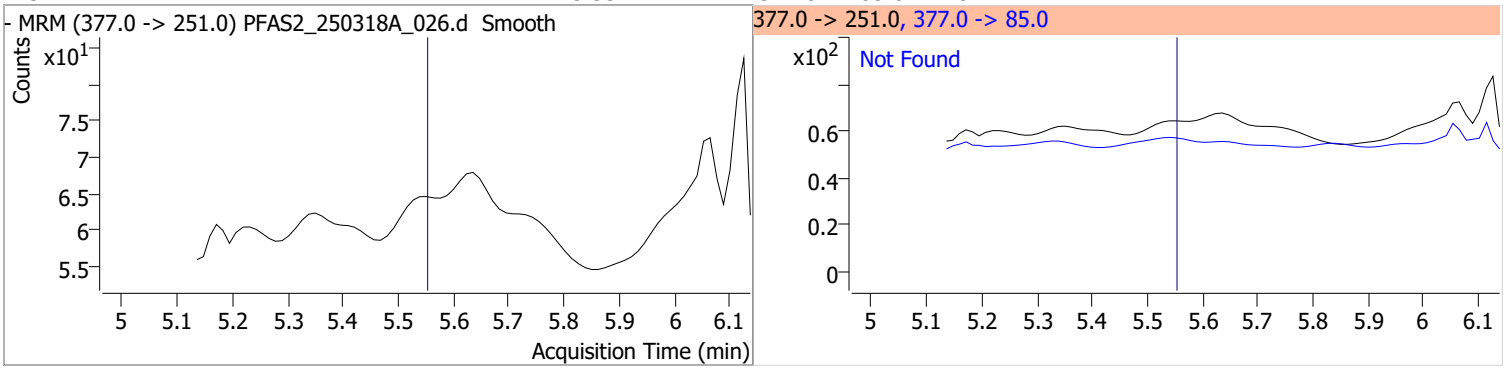
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1805	5.41	-0.04	15	341.0 -> 217.0		63.6	118.1



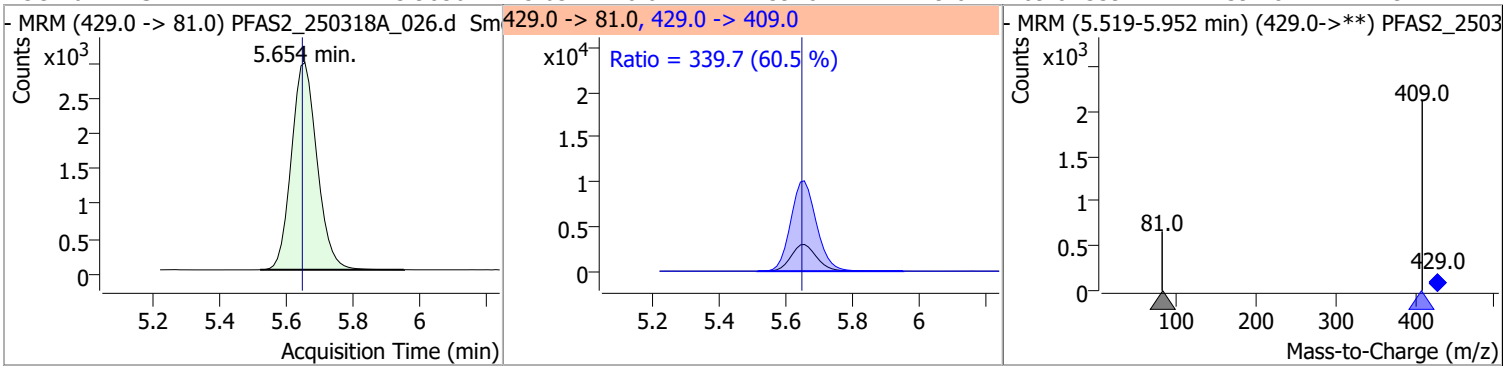
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0238	5.49	0.00	389	348.9 -> 99.0	33.2	33.0	61.3



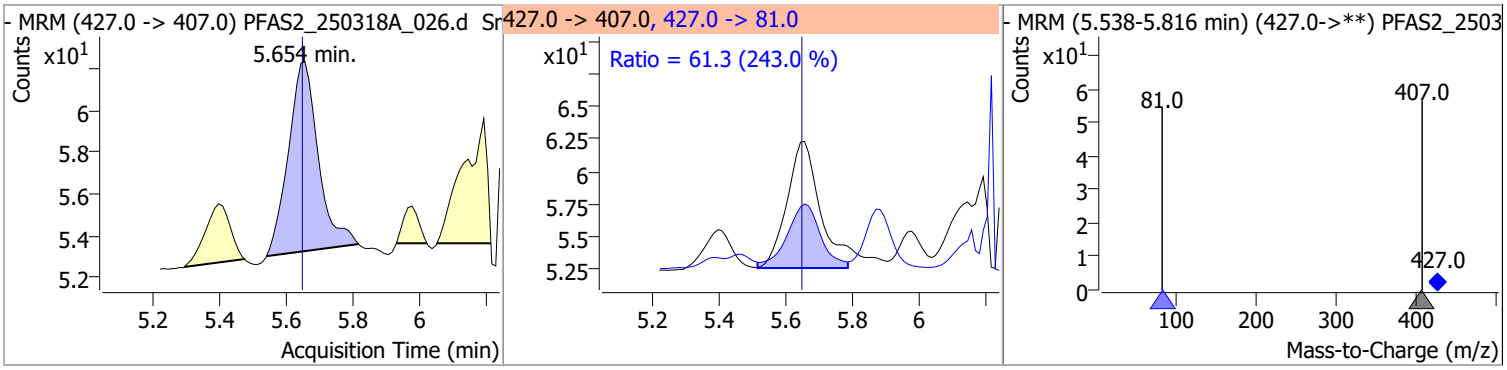
Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	5.55	377.0 -> 85.0	29.1



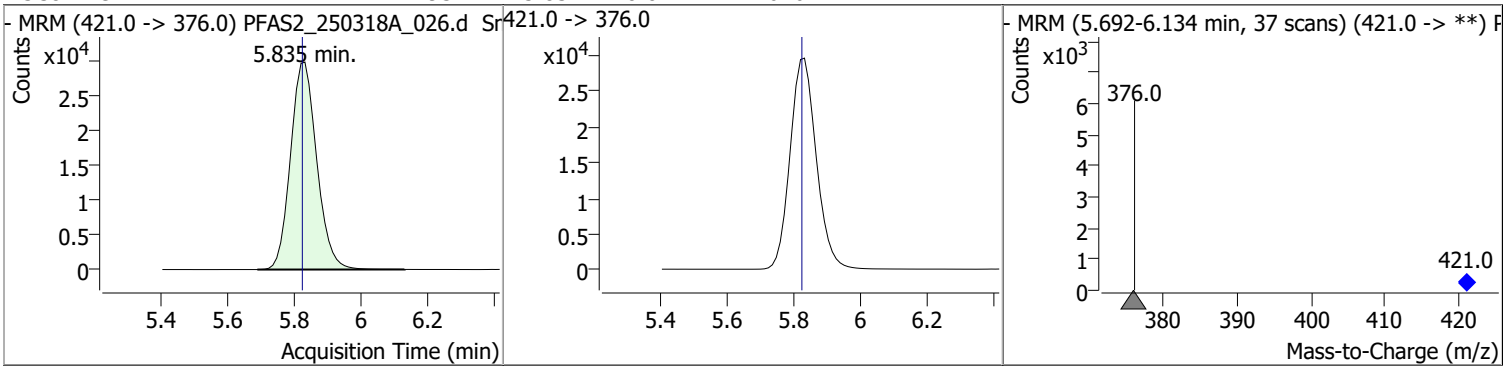
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.9056	5.65	0.01	15978	429.0 -> 409.0	339.7	392.8	729.4



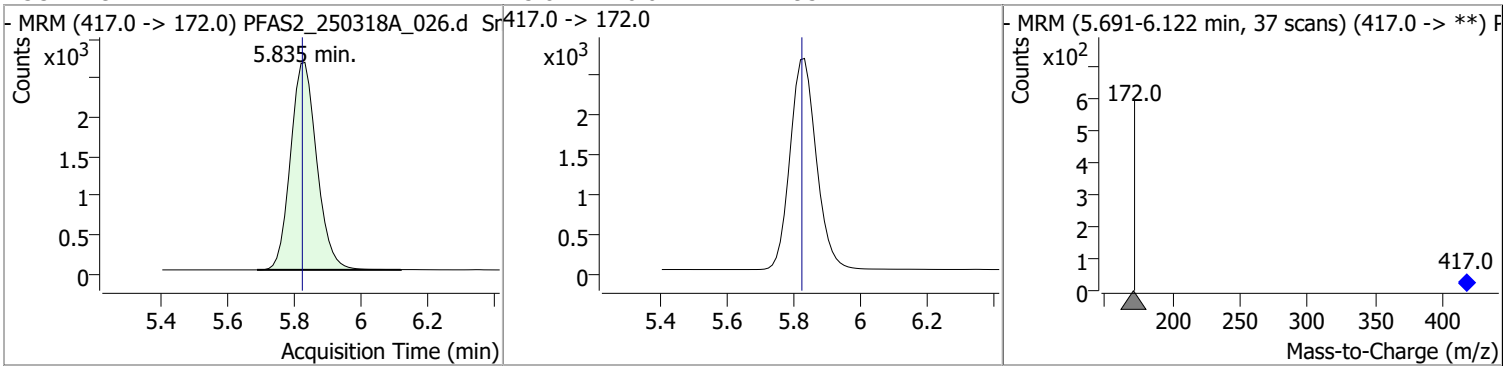
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1150	5.65	0.01	57	427.0 -> 81.0	61.3	17.7	32.8



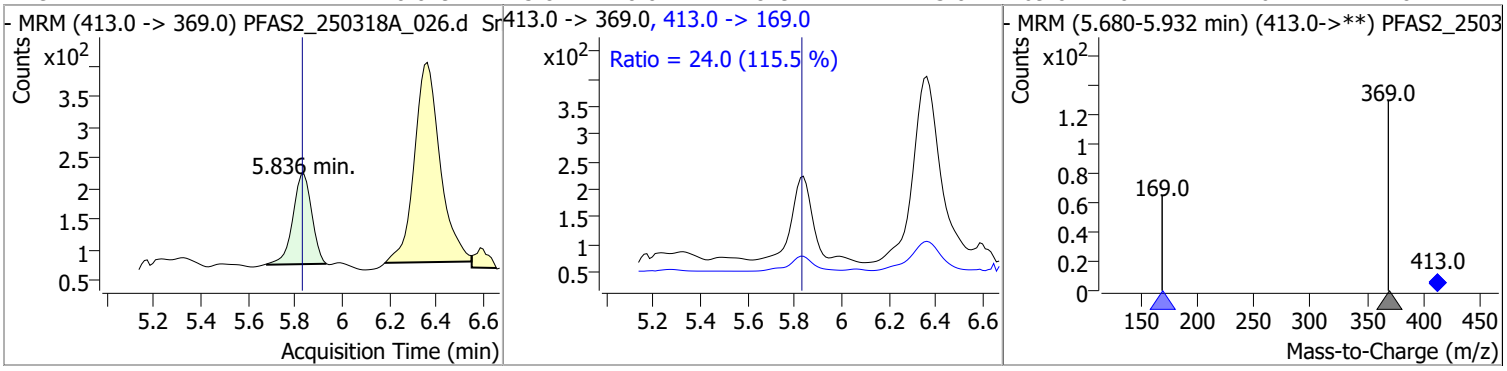
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4932	5.83	0.01	161612				



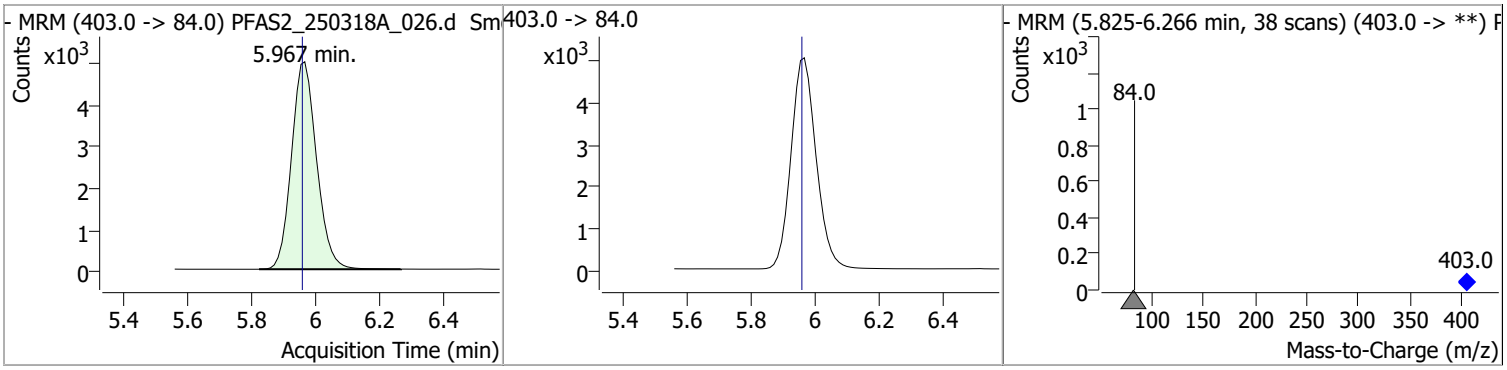
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	14495				



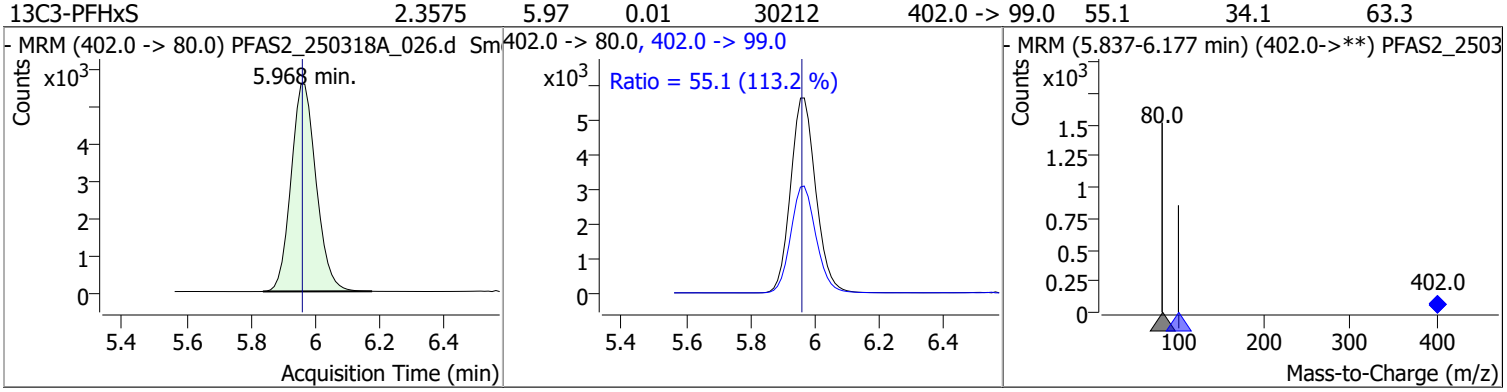
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0491	5.84	0.01	819	413.0 -> 169.0	24.0	14.6	27.0



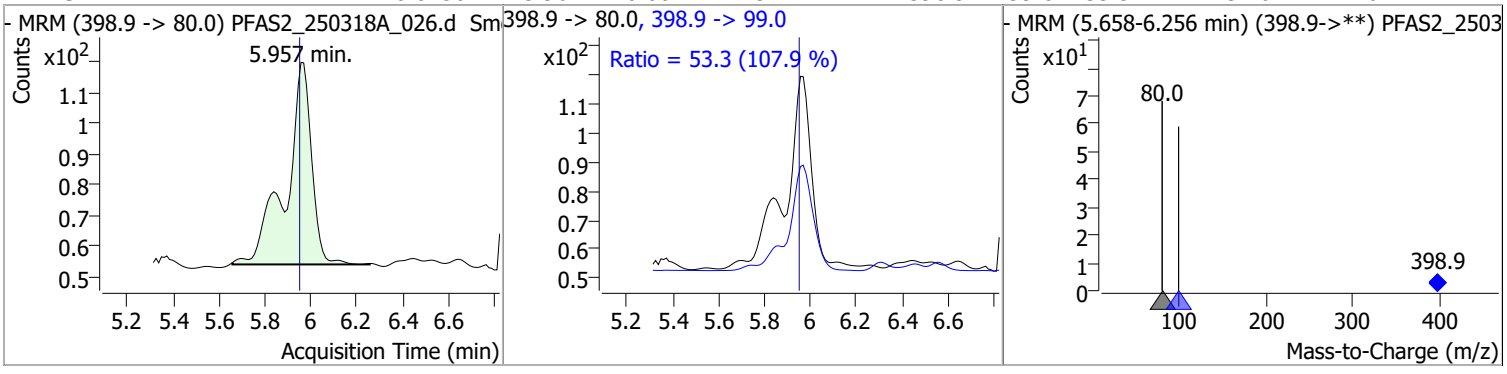
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	27171				



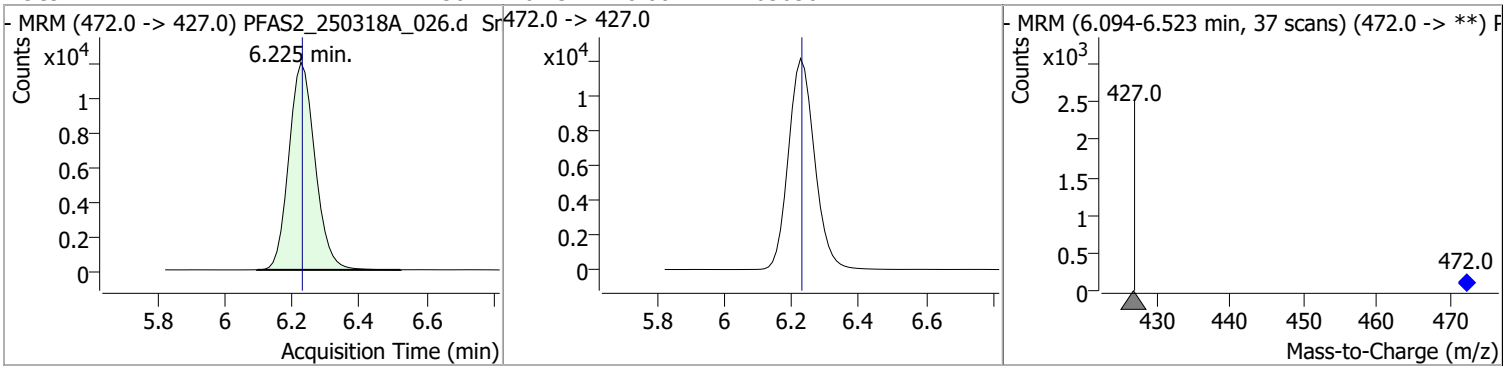
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3575	5.97	0.01	30212	402.0 -> 99.0	55.1	34.1	63.3



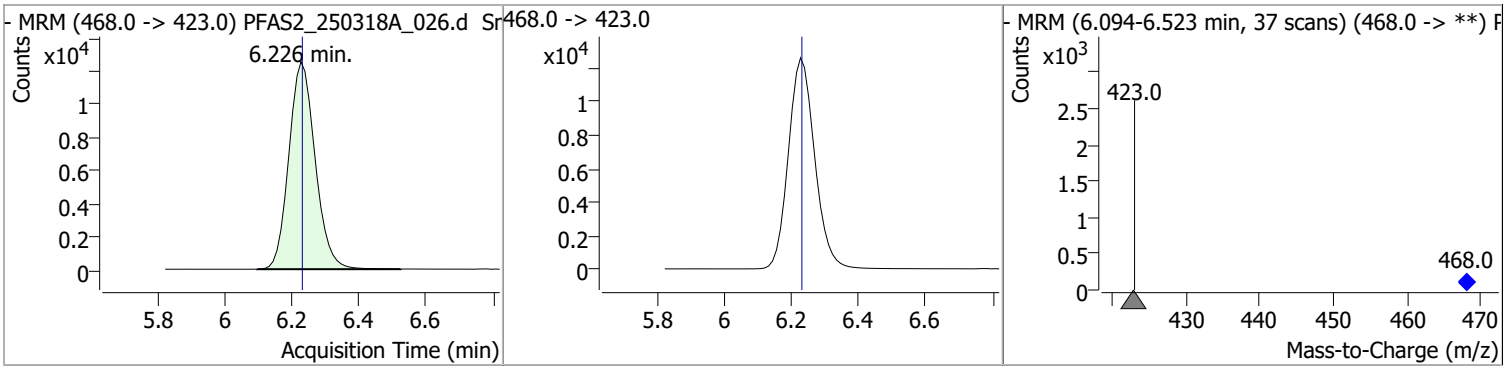
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0436	5.96	0.00	512	398.9 -> 99.0	53.3	34.6	64.2



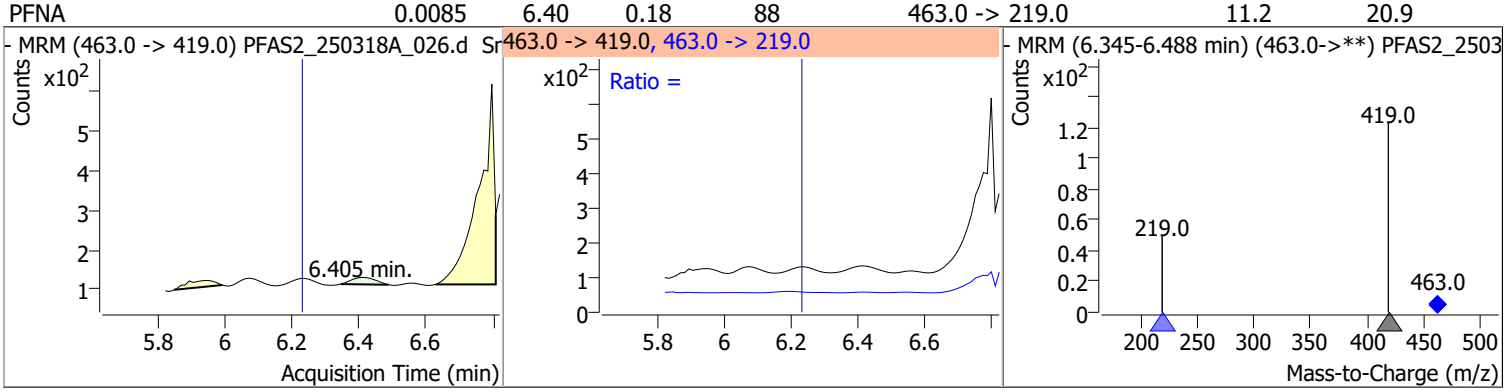
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2130	6.23	0.00	65658				



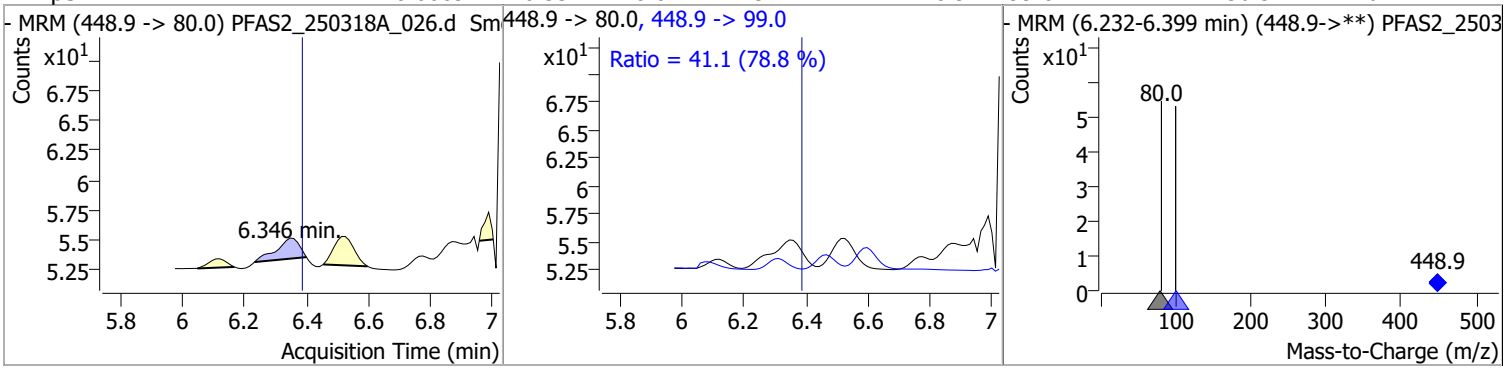
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68310				



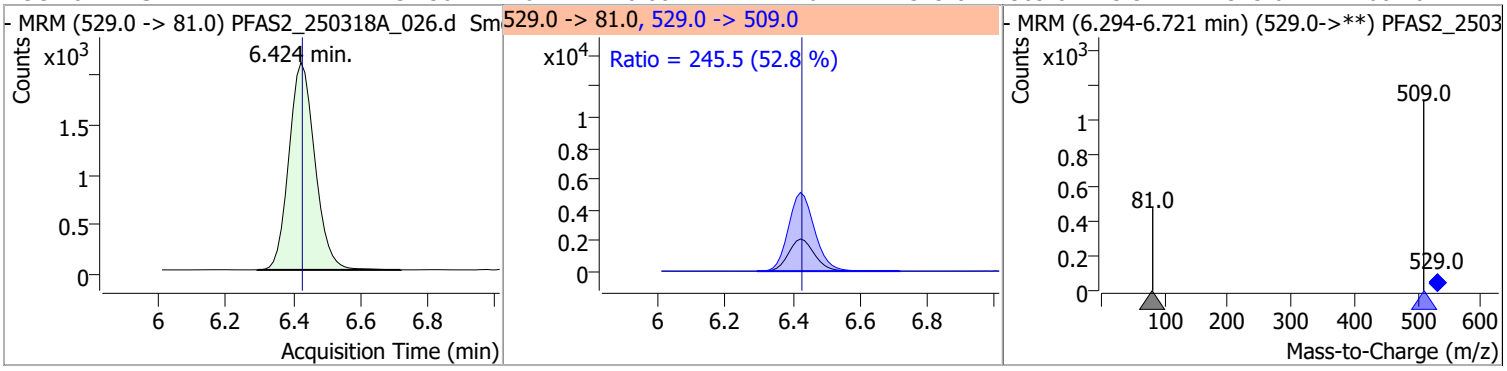
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0085	6.40	0.18	88	463.0 -> 219.0		11.2	20.9



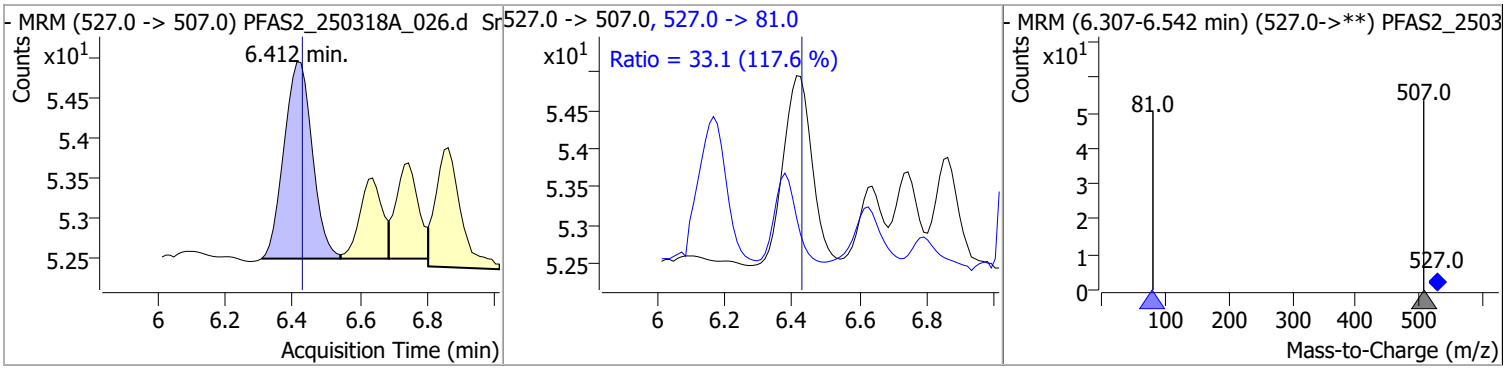
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	6.35	-0.04	9	448.9 -> 99.0	41.1	36.5	67.7



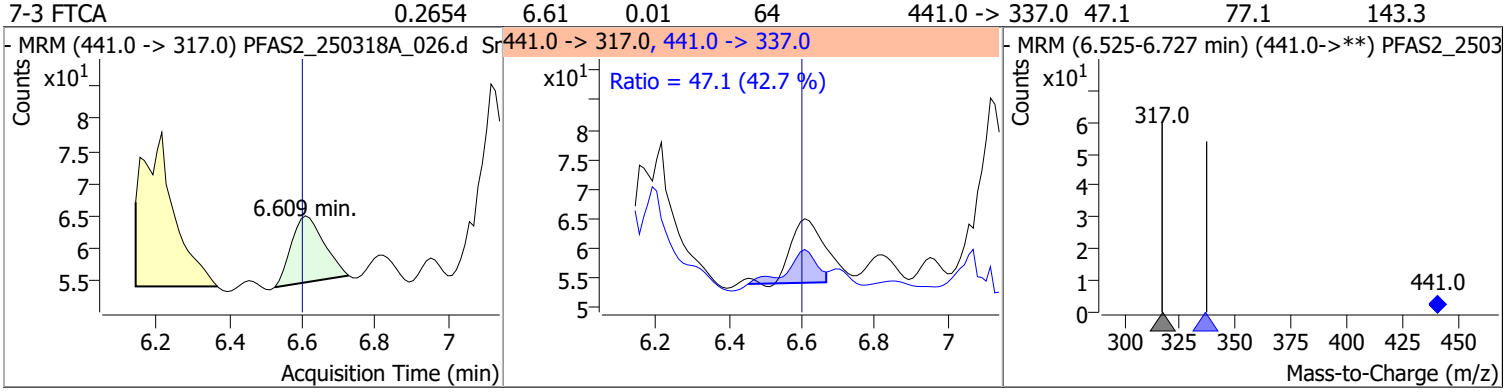
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1561	6.42	0.00	11216	529.0 -> 509.0	245.5	325.6	604.6



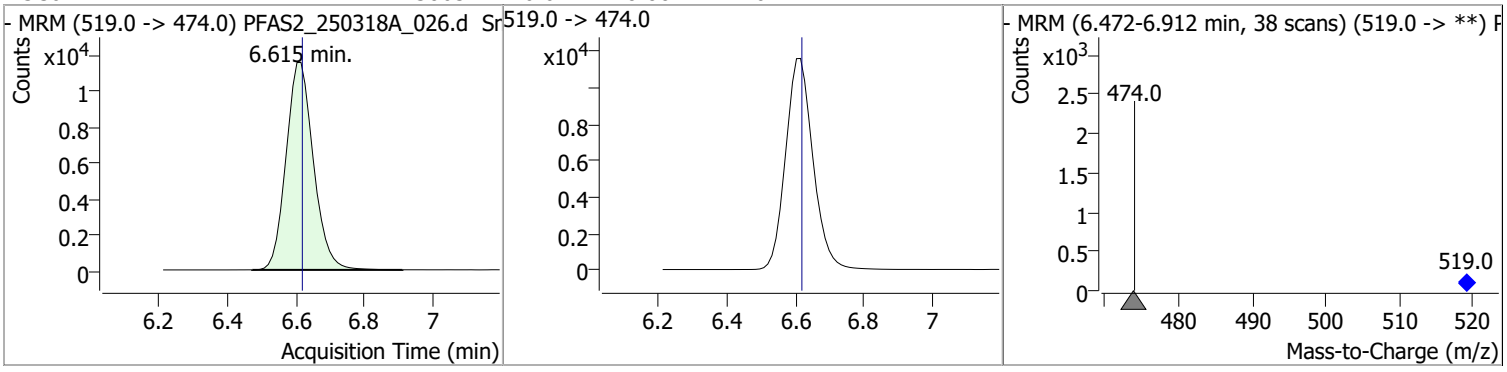
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0752	6.41	-0.01	14	527.0 -> 81.0	33.1	19.7	36.6



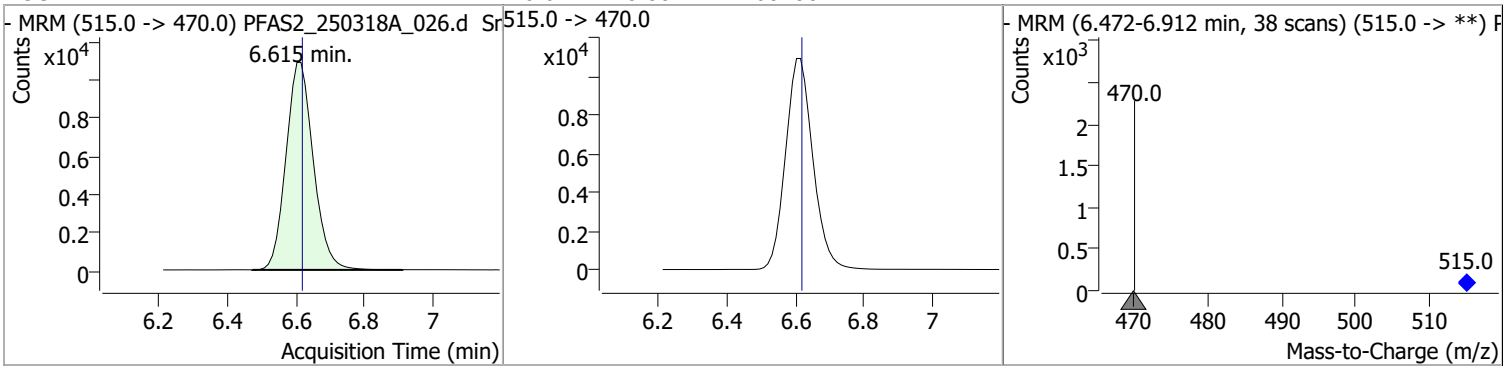
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2654	6.61	0.01	64	441.0 -> 337.0	47.1	77.1	143.3



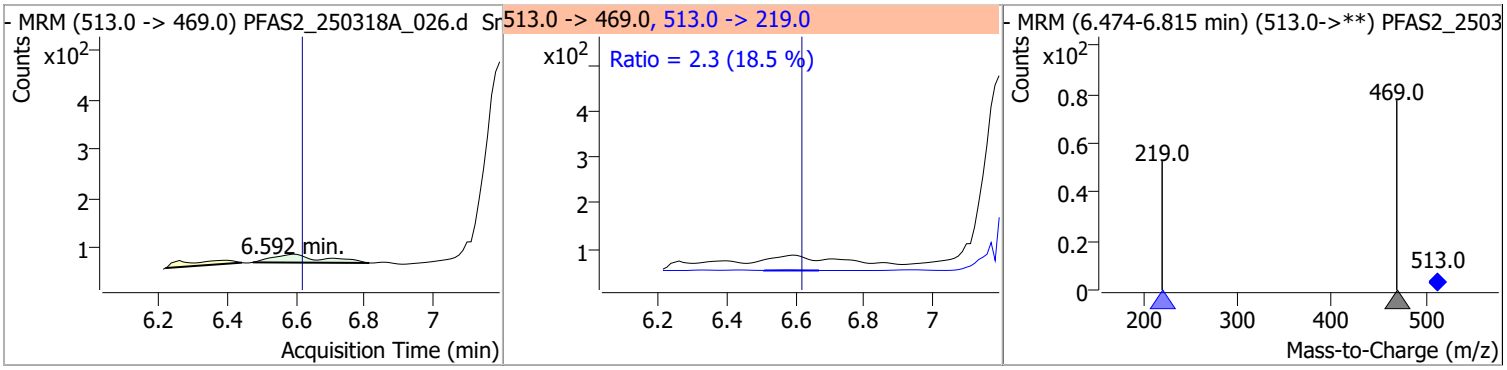
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3065	6.61	0.00	64221				



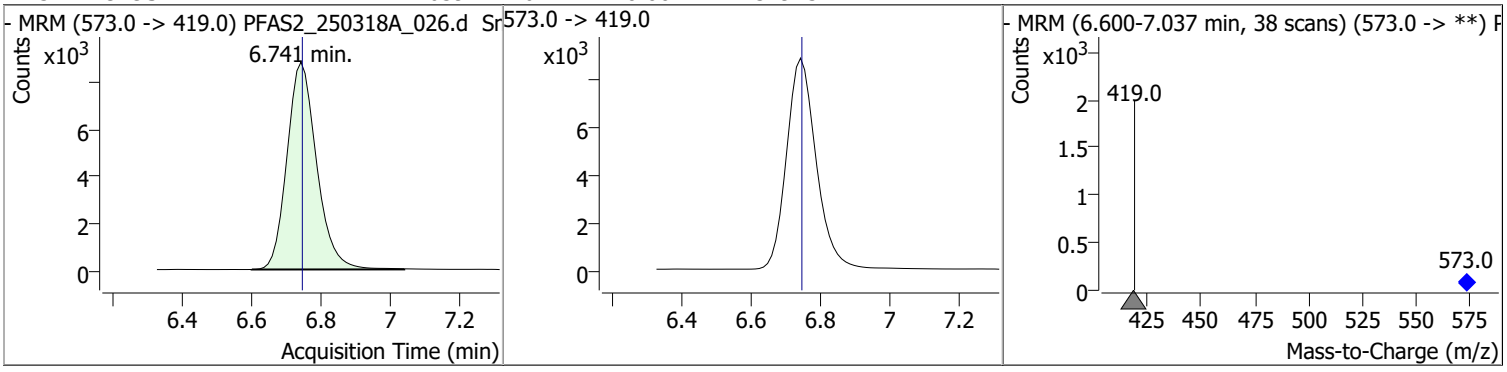
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	60408				



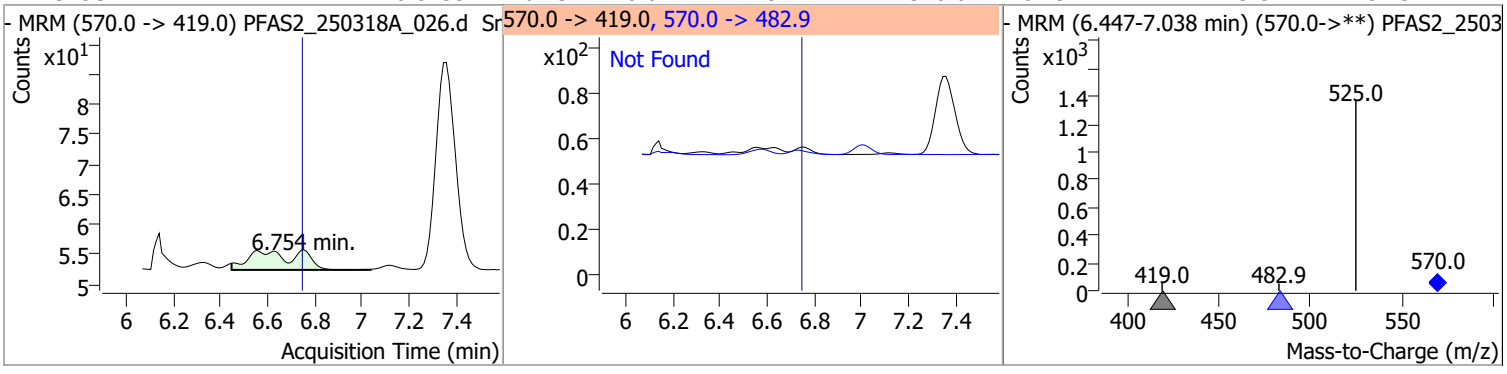
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0005	6.59	-0.02	173	513.0 -> 219.0	2.3	8.7	16.2



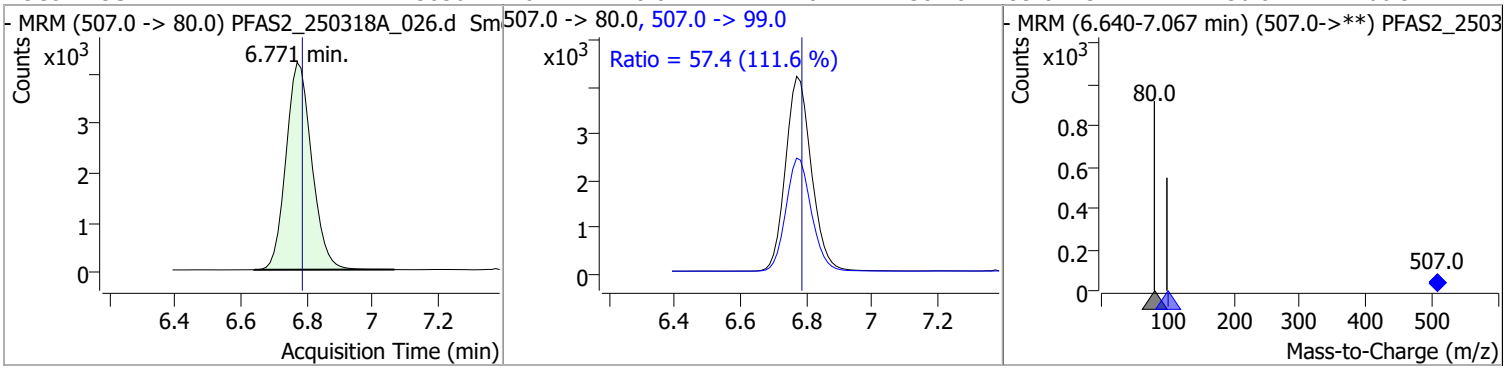
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7639	6.74	0.00	51943				



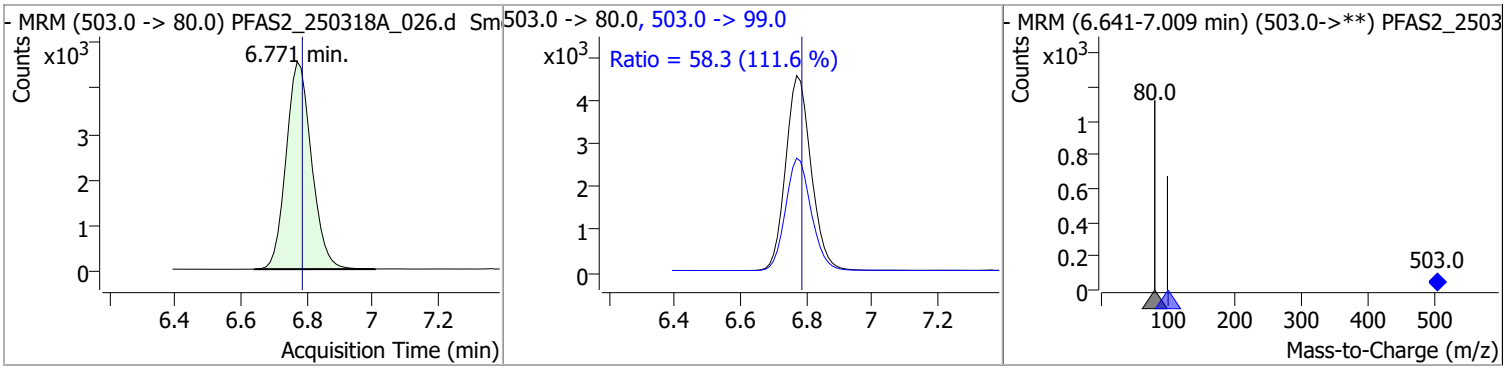
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0135	6.75	0.01	49	570.0 -> 482.9		29.5	54.9



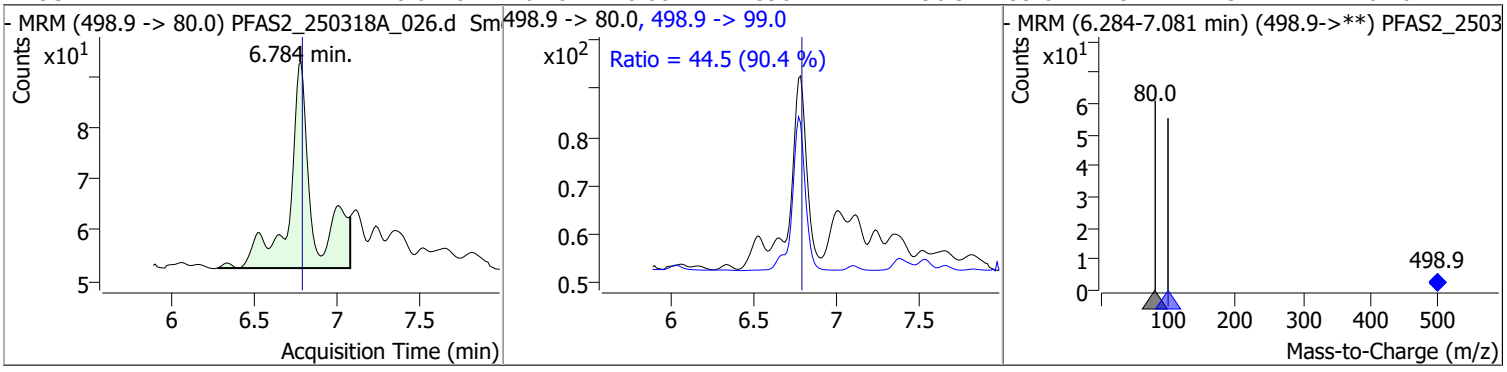
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3036	6.77	-0.01	22720	507.0 -> 99.0	57.4	36.0	66.9



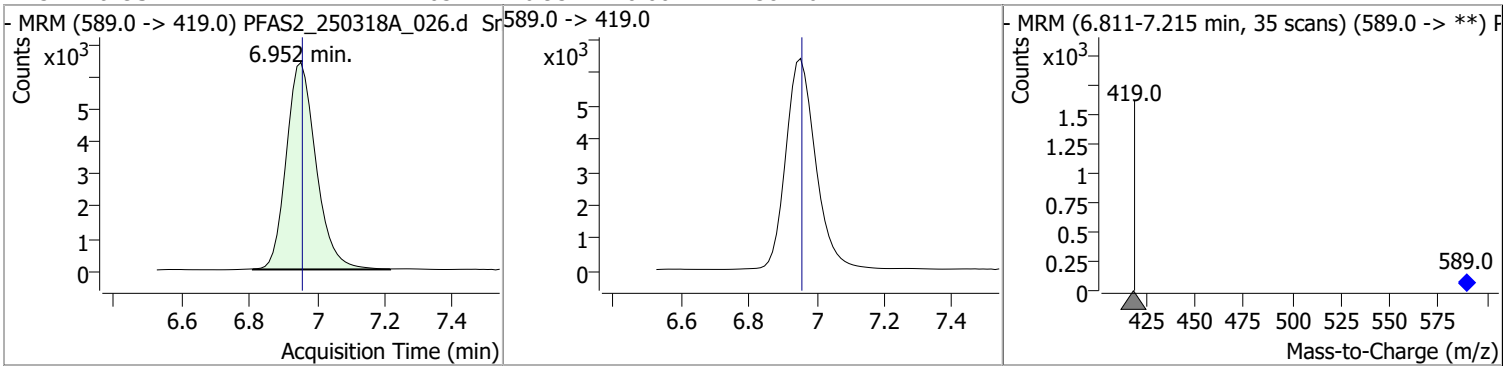
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24301	503.0 -> 99.0	58.3	36.6	67.9



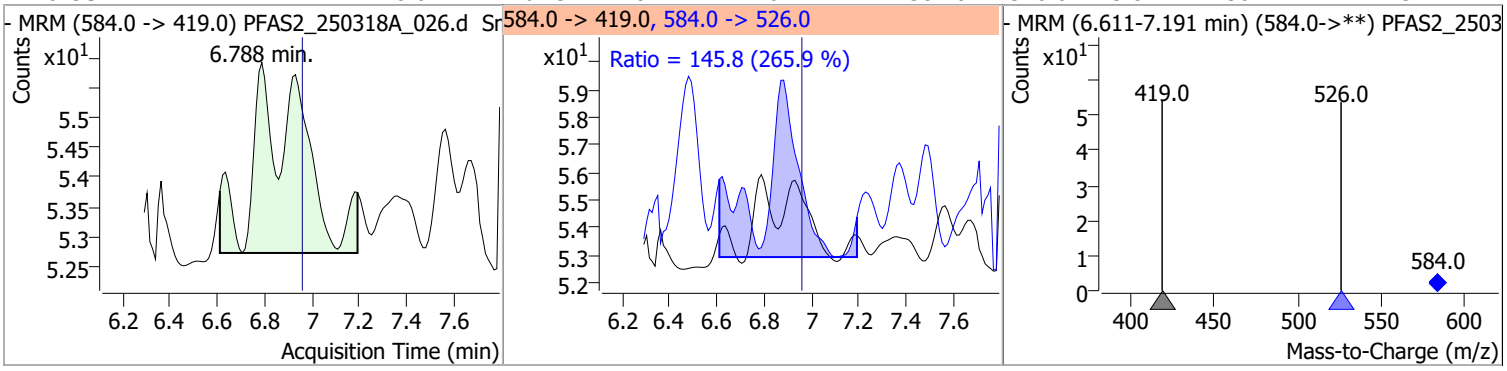
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0746	6.78	0.00	398	498.9 -> 99.0	44.5	34.4	64.0



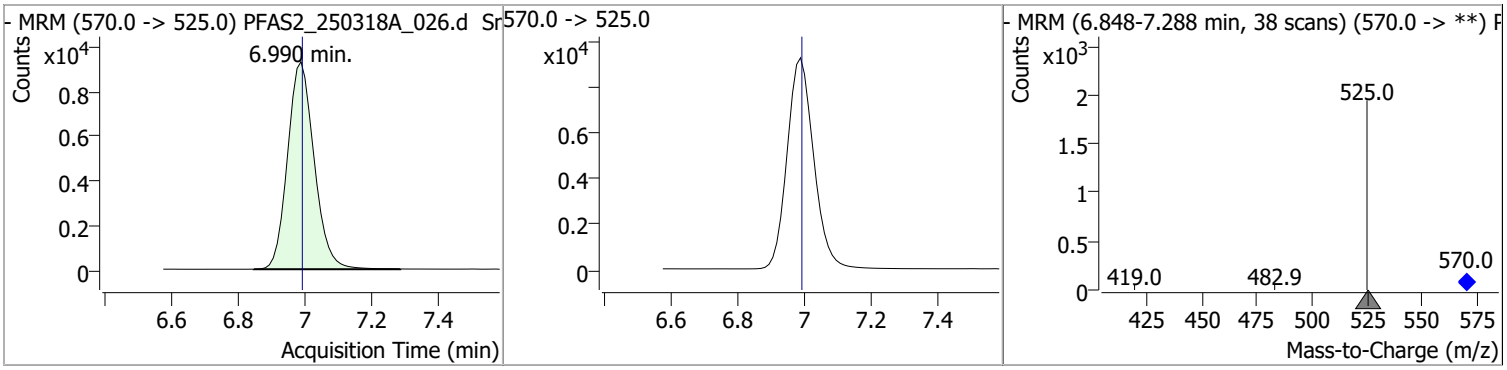
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7032	6.95	0.00	38716				



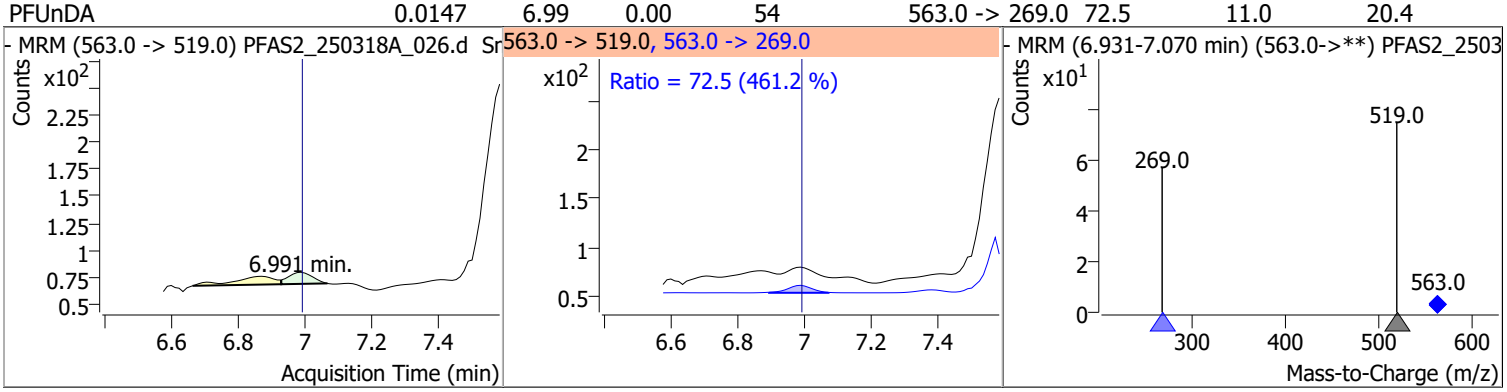
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0174	6.79	-0.17	46	584.0 -> 526.0	145.8	38.4	71.3



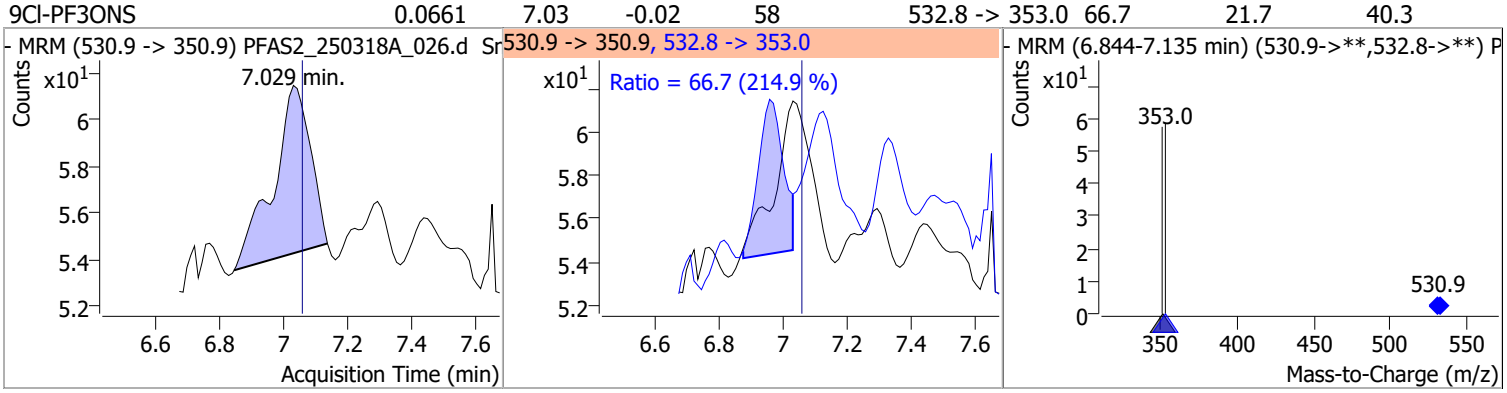
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3272	6.99	0.00	51416				



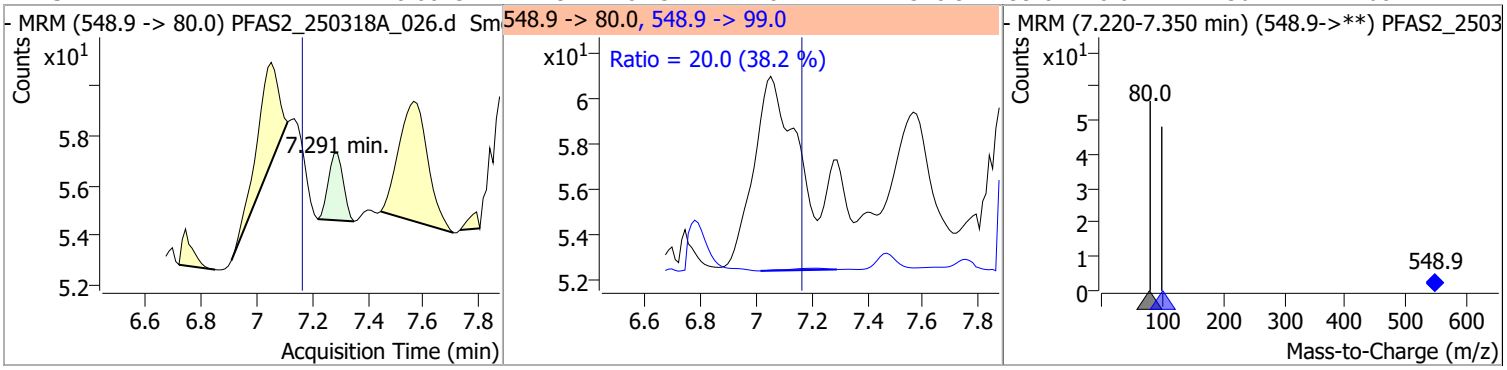
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0147	6.99	0.00	54	563.0 -> 269.0	72.5	11.0	20.4



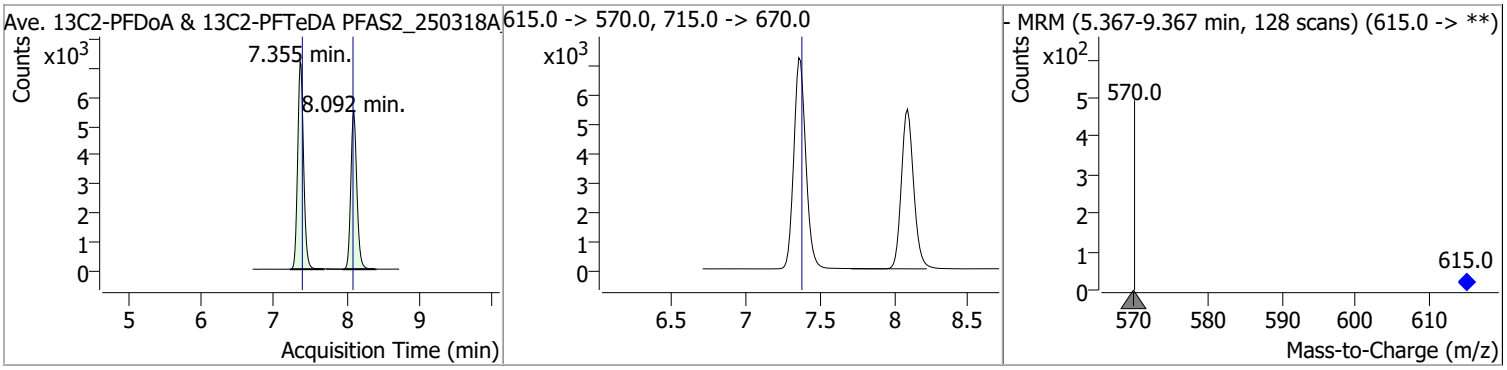
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0661	7.03	-0.02	58	532.8 -> 353.0	66.7	21.7	40.3



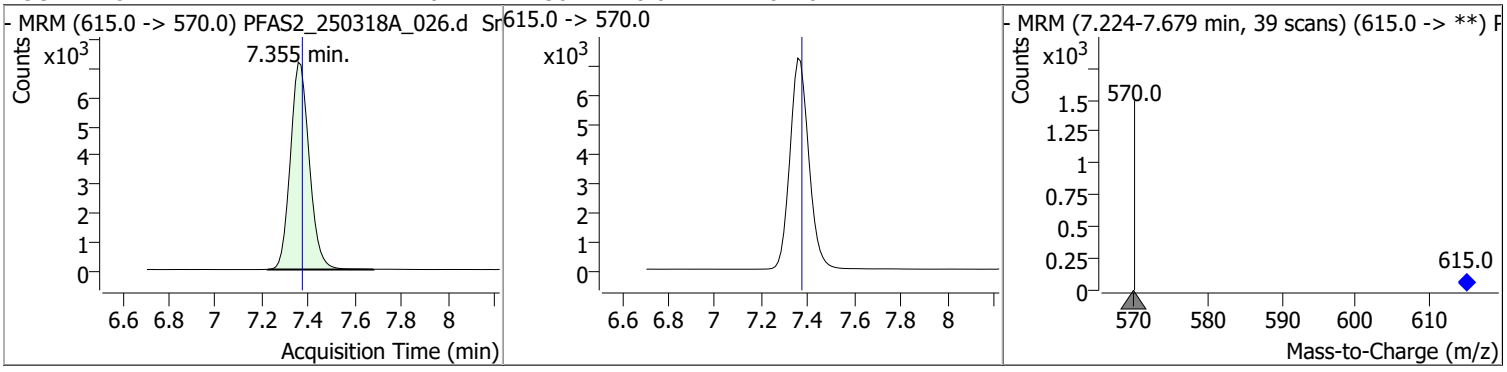
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0013	7.29	0.13	10	548.9 -> 99.0	20.0	36.7	68.1



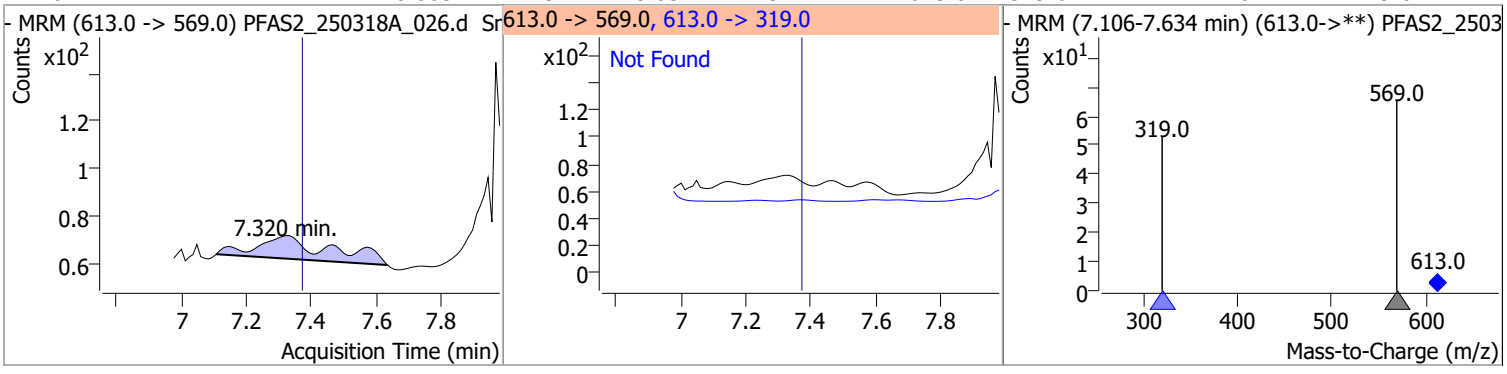
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1272	7.72	0.36	35993				



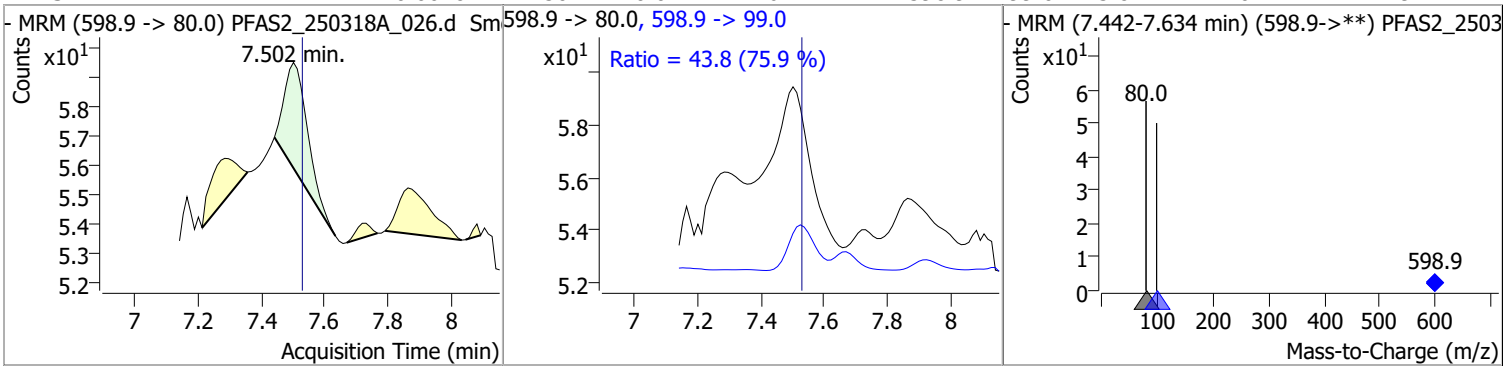
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4024	7.36	-0.01	40478				



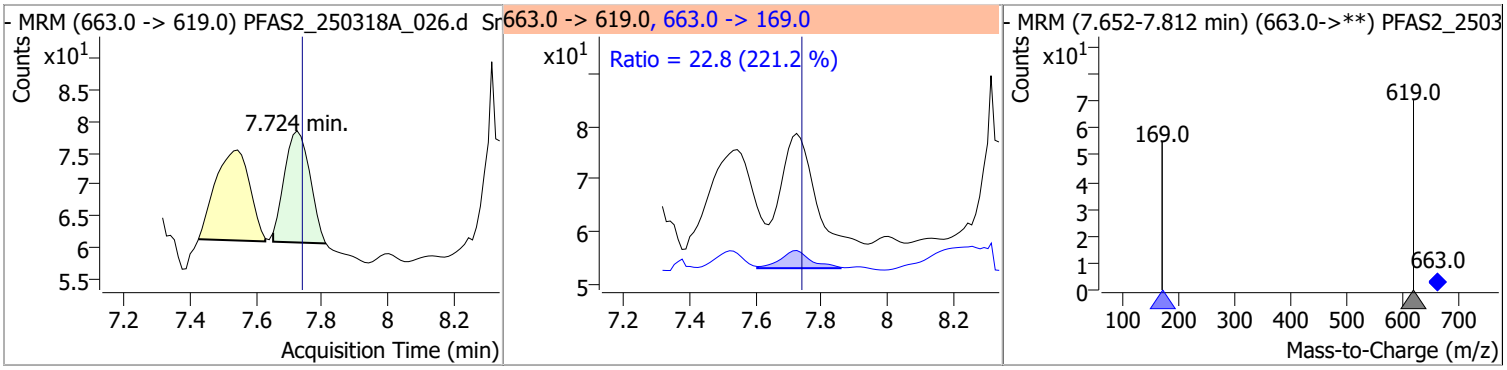
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0052	7.32	-0.05	154	613.0 -> 319.0		10.2	19.0



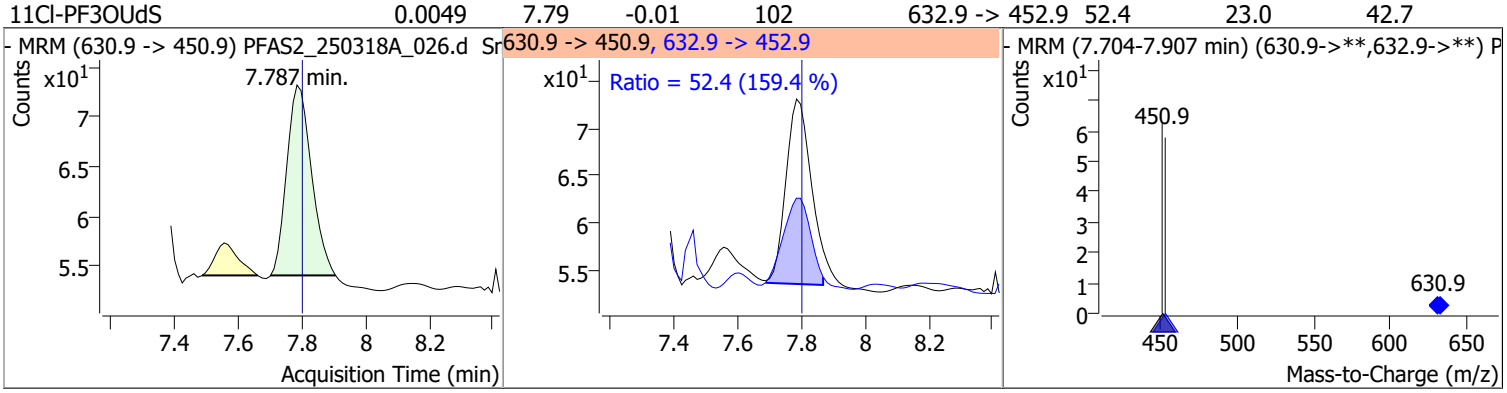
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0028	7.50	-0.02	16	598.9 -> 99.0	43.8	40.4	74.9



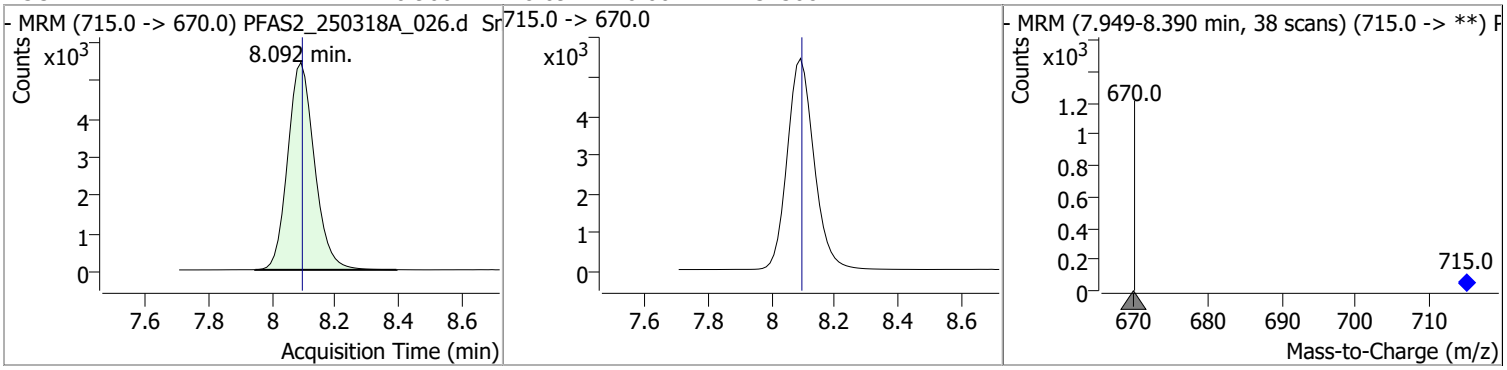
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0035	7.72	-0.01	95	663.0 -> 169.0	22.8	7.2	13.4



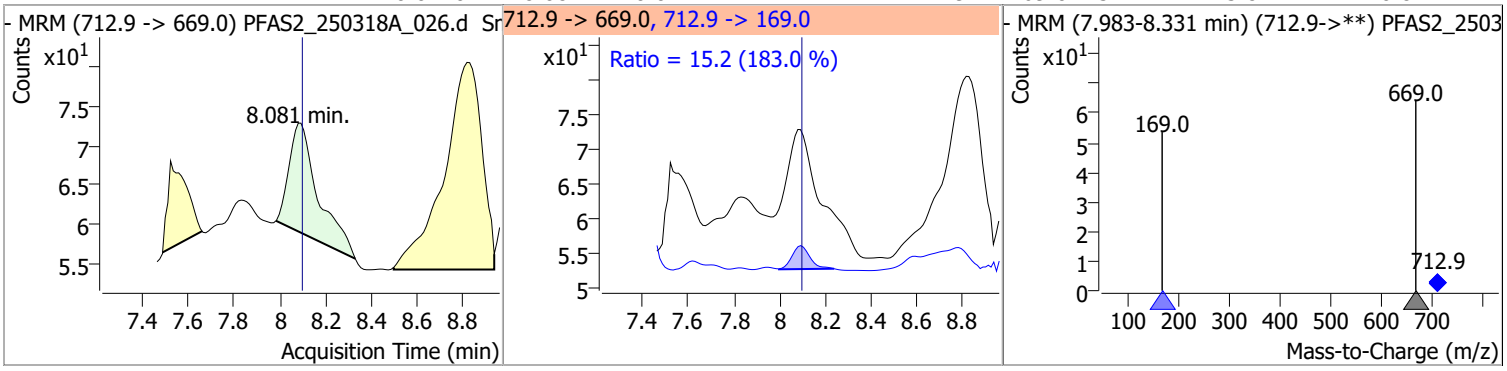
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0049	7.79	-0.01	102	632.9 -> 452.9	52.4	23.0	42.7



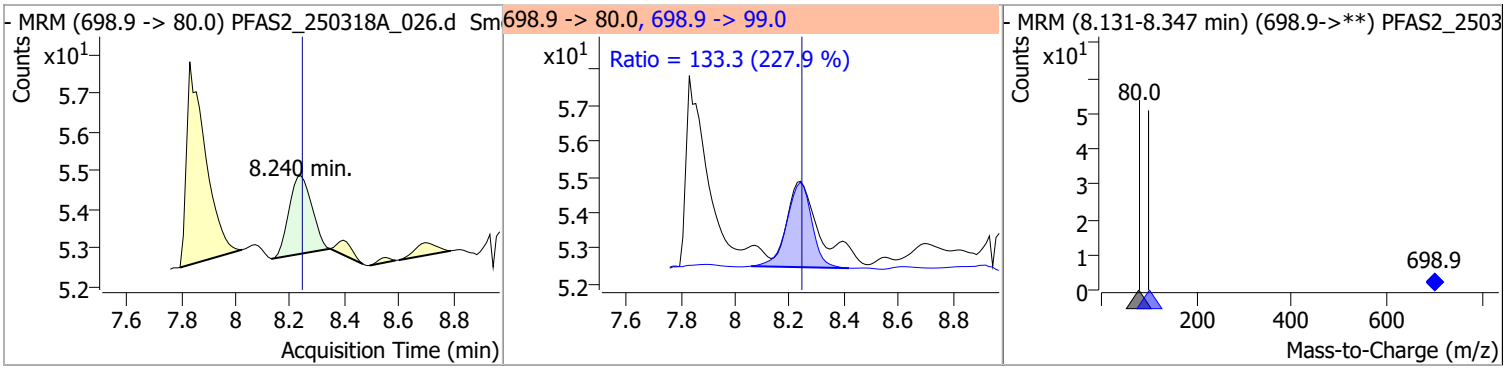
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9002	8.09	0.00	31508				



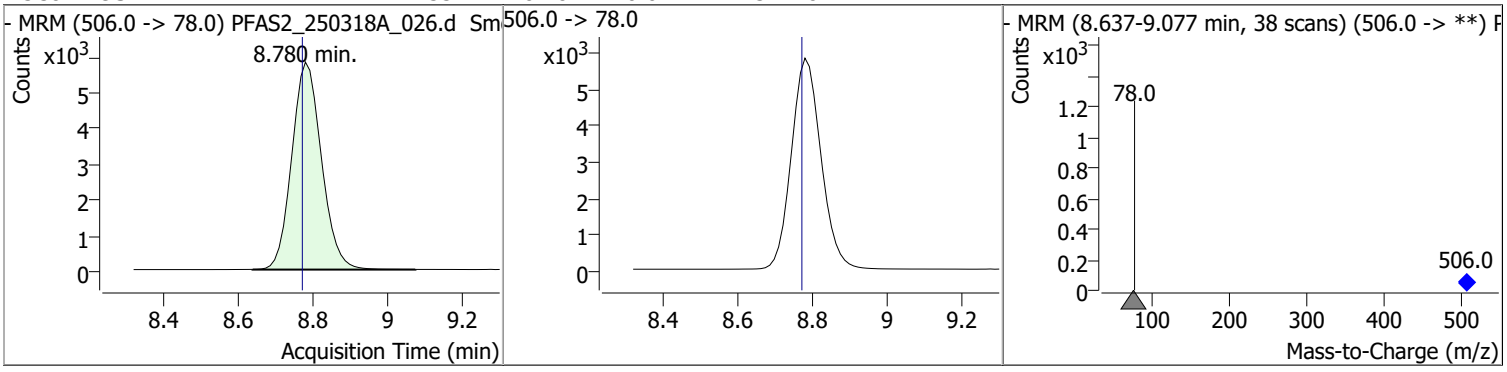
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0120	8.08	-0.01	121	712.9 -> 169.0	15.2	5.8	10.8



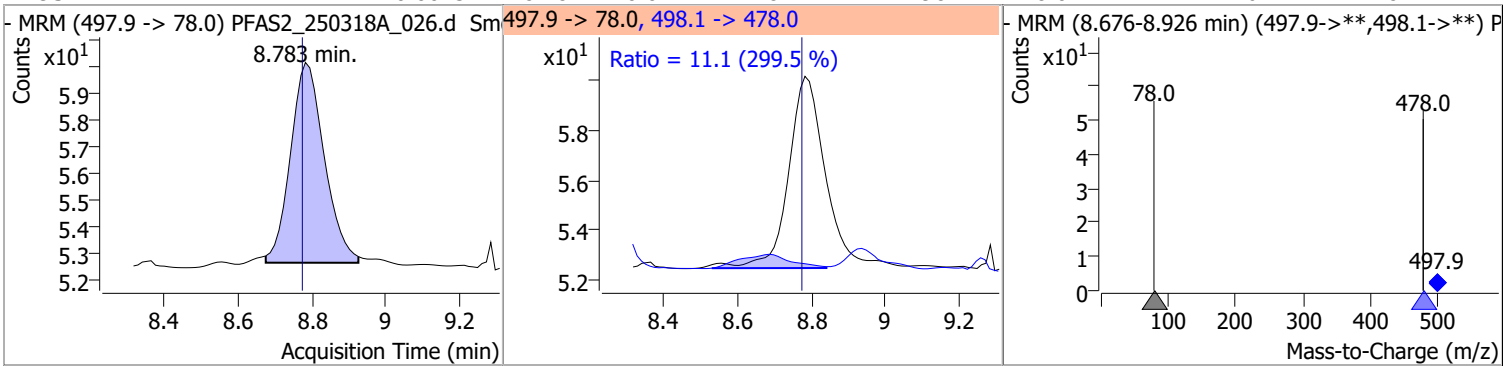
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0030	8.24	0.00	12	698.9 -> 99.0	133.3	41.0	76.1



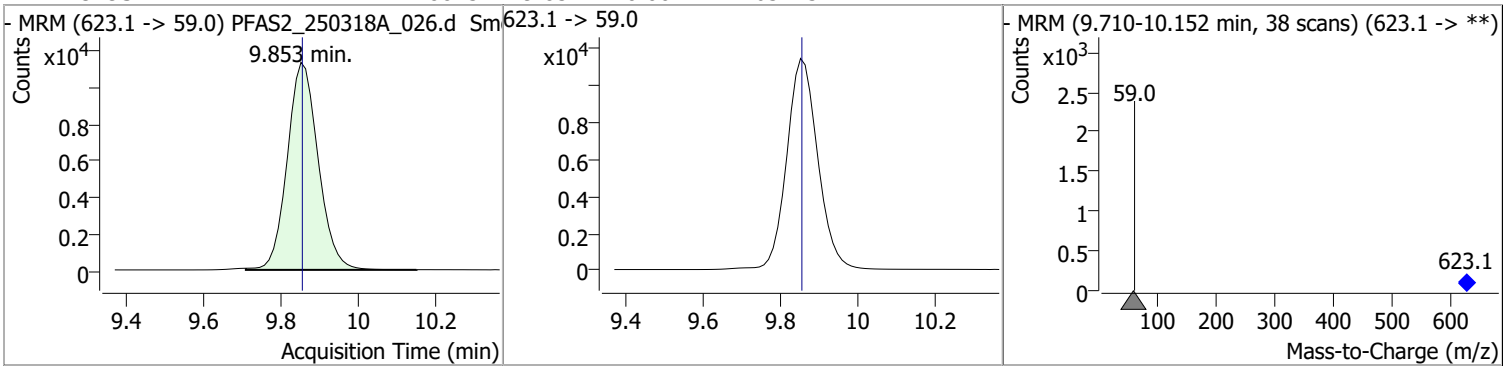
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2334	8.78	0.01	32278				



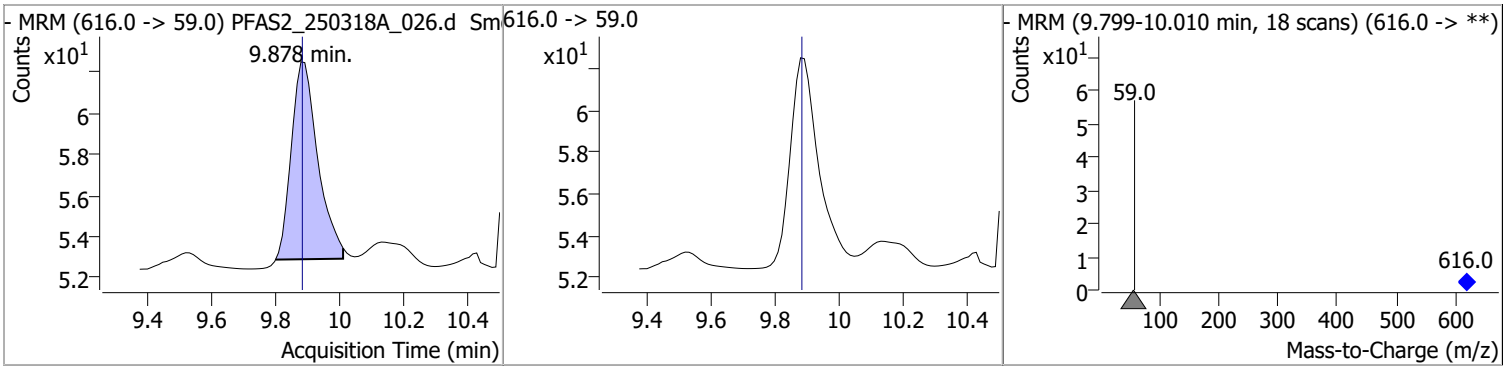
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0043	8.78	0.01	48	498.1 -> 478.0	11.1	2.6	4.8



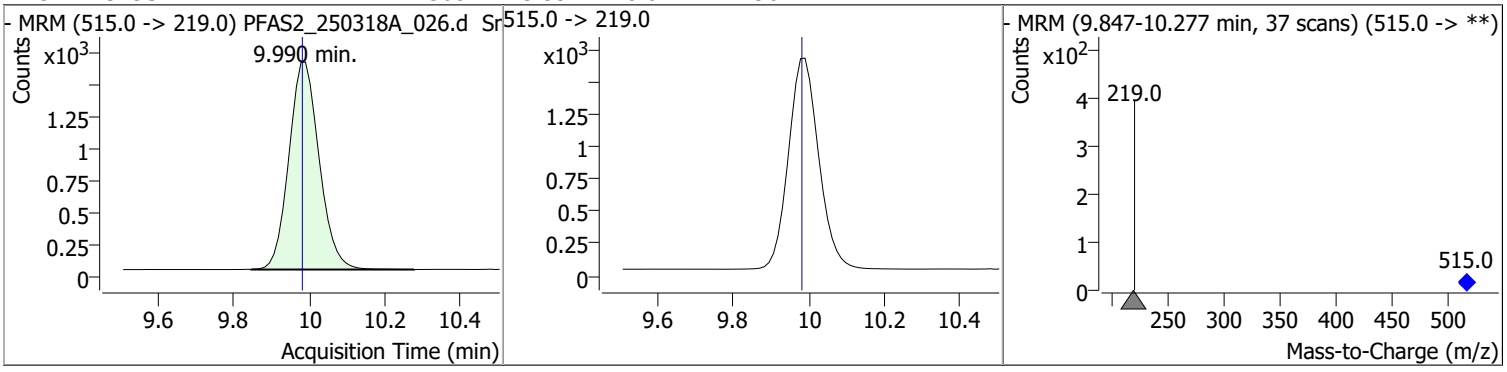
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.8823	9.85	0.00	63113				



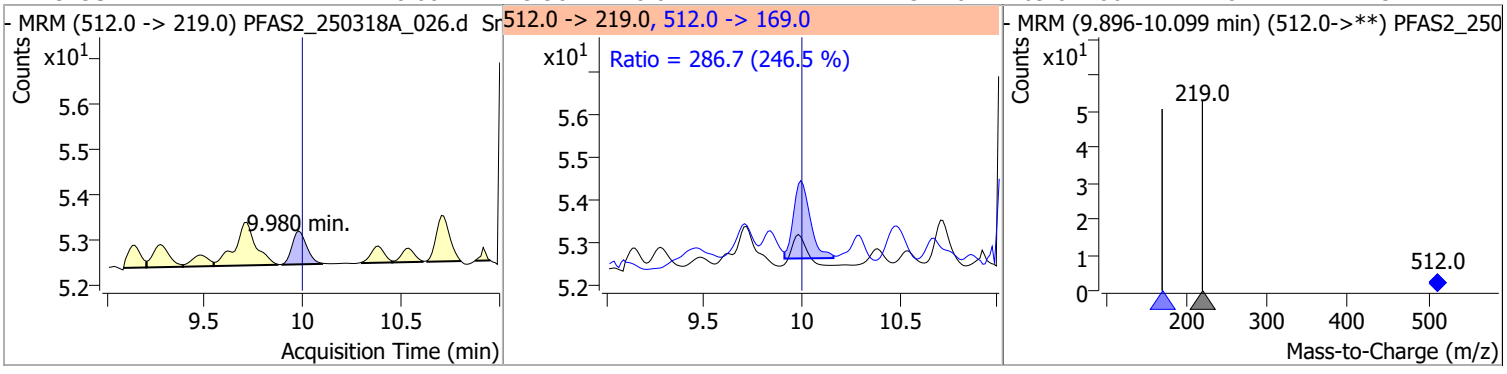
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	55				



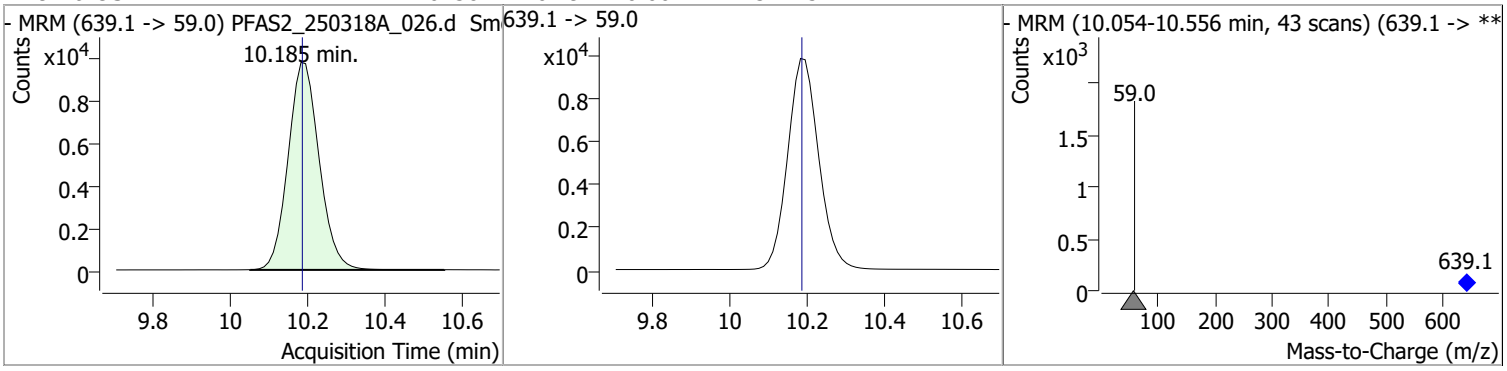
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2368	9.99	0.01	9072				



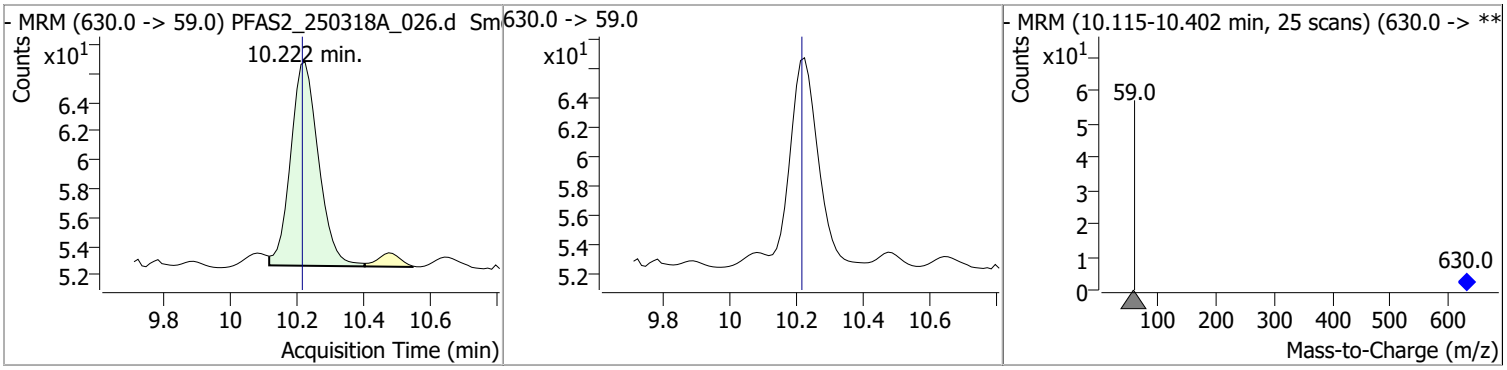
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0011	9.98	-0.01	4	512.0 -> 169.0	286.7	81.4	151.2



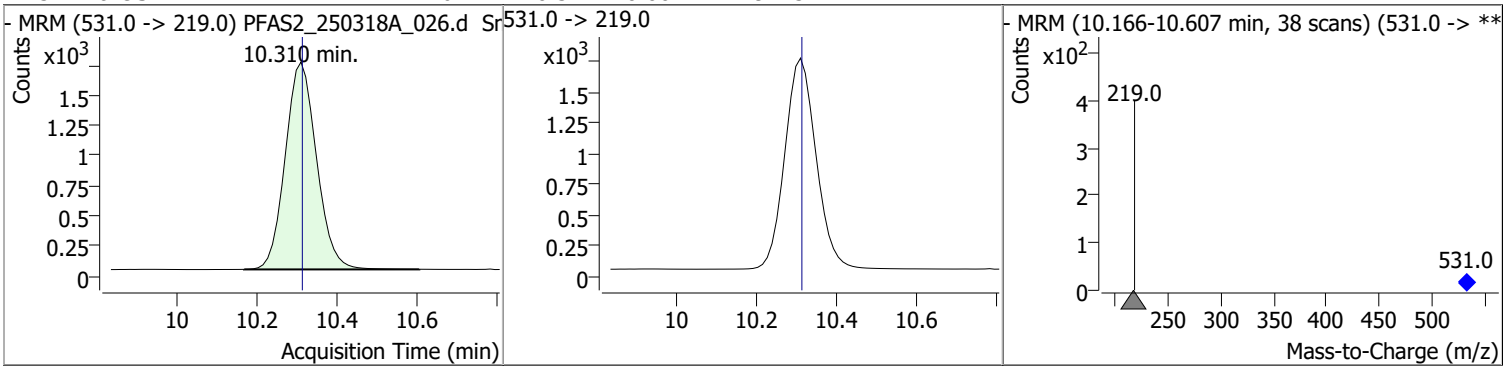
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.0738	10.19	0.00	54725				



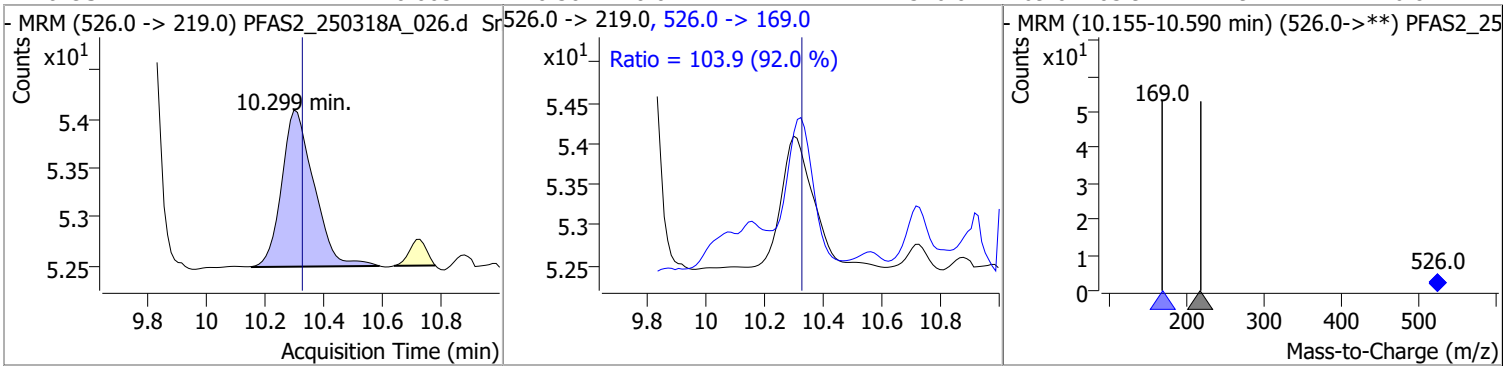
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0514	10.22	0.01	82				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1467	10.31	0.00	9415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0034	10.30	-0.02	12	526.0 -> 169.0	103.9	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW03RC-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-03	File ID:	PFAS2_250318A_027.d
Sampled:	03/12/25 13:54	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:53
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	512.2271 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.47	3.12	6.25	U
2706-90-3	PFPeA		0.14	1.56	3.12	U
307-24-4	PFHxA		0.13	0.78	1.56	U
375-85-9	PFHpA		0.16	0.78	1.56	U
335-67-1	PFOA	0.47	0.12	0.78	1.56	J
375-95-1	PFNA		0.09	0.78	1.56	U
335-76-2	PFDA		0.13	0.78	1.56	U
2058-94-8	PFUnA		0.19	0.78	1.56	U
307-55-1	PFDoA		0.11	0.78	1.56	U
72629-94-8	PFTrDA		0.07	0.78	1.56	U
376-06-7	PFTeDA	0.24	0.12	0.78	1.56	J
375-73-5	PFBS	0.23	0.19	0.69	1.39	J
2706-91-4	PFPeS		0.20	0.74	1.47	U
355-46-4	PFHxS		0.22	0.71	1.43	U
375-92-8	PFHpS		0.40	0.74	1.48	U
1763-23-1	PFOS	0.81	0.21	0.91	1.82	J
68259-12-1	PFNS		0.20	0.75	1.50	U
335-77-3	PFDS		0.14	0.75	1.50	U
79780-39-5	PFDoS		0.08	0.76	1.51	U
757124-72-4	4:2FTS		0.40	2.93	5.86	U
27619-97-2	6:2FTS		2.70	2.97	5.93	U
39108-34-4	8:2FTS		0.60	3.00	5.99	U
754-91-6	PFOSA		0.10	0.78	1.56	U
31506-32-8	NMeFOSA		0.25	0.78	1.56	U
4151-50-2	NEtFOSA		0.30	0.78	1.56	U
2355-31-9	NMeFOSAA		0.43	0.78	1.56	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW03RC-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-03	File ID:	PFAS2_250318A_027.d
Sampled:	03/12/25 13:54	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:53
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	512.2271 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.56	U
24448-09-7	NMeFOSE	5.17	0.99	7.81	15.6	J
1691-99-2	NEtFOSE	7.14	1.23	7.81	15.6	J
13252-13-6	HFPO-DA		0.40	1.56	3.12	U
919005-14-4	ADONA		0.15	1.47	2.95	U
756426-58-1	9CL-PF3ONS		0.18	1.46	2.92	U
763051-92-9	11CL-PF3OUdS		0.30	1.47	2.95	U
356-02-5	3:3FTCA		0.64	3.12	6.25	U
914637-49-3	5:3FTCA		3.57	15.6	31.2	U
812-70-4	7:3FTCA		2.99	15.6	31.2	U
113507-82-7	PFEESA		0.17	1.39	2.78	U
377-73-1	PFMPA		0.11	1.56	3.12	U
863090-89-5	PFMBA		0.12	1.56	3.12	U
151772-58-6	NFDHA		0.44	1.56	3.12	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_027.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:53:55 PM
Sample Name	O25C0550-03	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

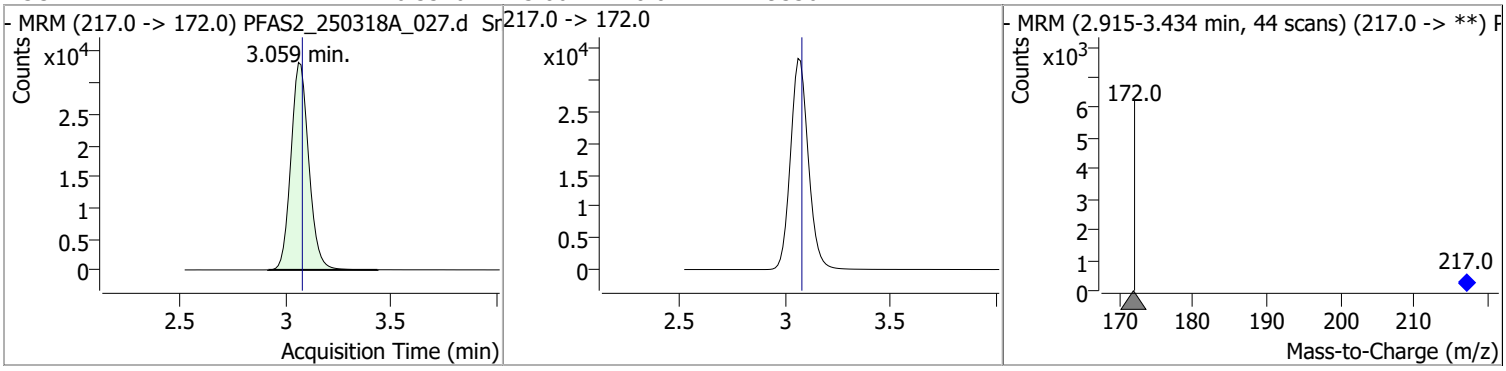
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	131102	5.0000	µg/L		-4.195
13C2-PFHxA	4.890	315.0 -> 270.0	146539	2.5000	µg/L		-4.488
18O2-PFHxS	5.955	403.0 -> 84.0	28843	2.5000	µg/L		-2.655
13C4-PFOA	5.823	417.0 -> 172.0	16233	2.5000	µg/L		5.082
13C5-PFNA	6.214	468.0 -> 423.0	76978	1.2500	µg/L		8.157
13C2-PFDA	6.603	515.0 -> 470.0	65471	1.2500	µg/L		-2.102
13C4-PFOS	6.771	503.0 -> 80.0	24627	2.5000	µg/L		-1.133
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	195367	10.0000	µg/L		-37.147
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 65.58%			
13C5-PFPeA	4.222	268.0 -> 223.0	188363	5.0000	µg/L		-8.967
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.32%			
13C5-PFPeA	4.222	268.0 -> 223.0	188363	5.0000	µg/L		-8.967
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.32%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27893	5.0000	µg/L		10.402
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.87%			
13C5-PFHxA	4.889	318.0 -> 273.0	142088	2.5000	µg/L		-15.847
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.09%			
13C5-PFHxA	4.889	318.0 -> 273.0	142088	2.5000	µg/L		-15.847
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.09%			
13C3-PFBS	4.929	302.0 -> 80.0	51115	2.5000	µg/L		-15.823
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.56%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163402	10.0000	µg/L		-6.505
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.88%			
13C4-PFHpA	5.397	367.0 -> 322.0	174704	2.5000	µg/L		-7.509
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	29802	2.5000	µg/L		-14.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.62%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14966	5.0000	µg/L	#	1.334
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.21%			
13C8-PFOA	5.823	421.0 -> 376.0	164993	2.5000	µg/L		-4.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.91%			
13C3-PFHxS	5.956	402.0 -> 80.0	29802	2.5000	µg/L		-14.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.62%			
13C9-PFNA	6.213	472.0 -> 427.0	67672	1.2500	µg/L		-3.963
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.75%			
13C8-PFOS	6.771	507.0 -> 80.0	22854	2.5000	µg/L		-9.608
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.46%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10574	5.0000	µg/L	#	-10.731
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.58%			
13C6-PFDA	6.603	519.0 -> 474.0	63337	1.2500	µg/L		-6.803
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.11%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	55065	5.0000	µg/L		-1.351
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.67%			
13C8-PFOS	6.771	507.0 -> 80.0	22854	2.5000	µg/L		-9.608

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.46%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	42489	5.0000	µg/L		0.758
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.86%			
13C7-PFUnDA	6.978	570.0 -> 525.0	50996	1.2500	µg/L		-4.864
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.17%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	37311	1.2500	µg/L		-15.423
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.25%			
13C2-PFDoDA	7.355	615.0 -> 570.0	39274	1.2500	µg/L		-1.681
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.44%			
13C2-PFTDA	8.080	715.0 -> 670.0	35348	1.2500	µg/L		-26.792
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 74.55%			
13C8-PFOSA	8.780	506.0 -> 78.0	31544	2.5000	µg/L		-14.656
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.15%			
2H7-MeFOSE	9.853	623.1 -> 59.0	64744	25.0000	µg/L		-48.470
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 52.16%			
2H3-N-MeFOSA	9.979	515.0 -> 219.0	9058	2.5000	µg/L		-12.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.15%			
2H9-EtFOSE	10.185	639.1 -> 59.0	55073	25.0000	µg/L		-13.284
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 87.68%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9384	2.5000	µg/L		-16.518
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.45%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.301	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.235	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.465	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.930	298.9 -> 80.0	490	0.0231	µg/L		96
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.212	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.435	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.328	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.515	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	754	0.0479	µg/L		94
PFHxS	5.957	398.9 -> 80.0	196	0.0169	µg/L	#	76
PFNA	6.796	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.275	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.117	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	0.000		0	N.D.			
N-MeFOSAA	6.683	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	479	0.0831	µg/L	#	73
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.896	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	6.921	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.123	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.356	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.442	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

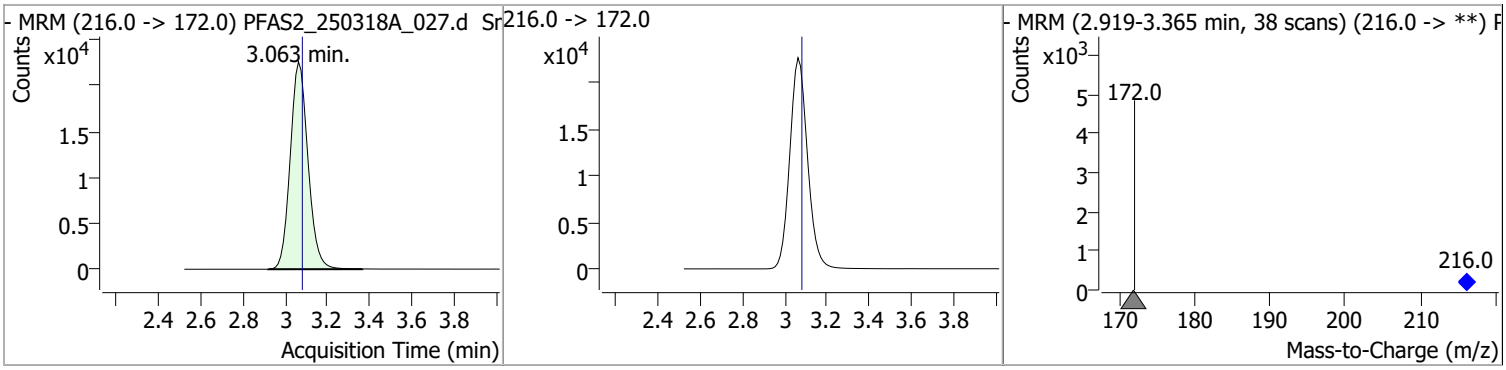
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.081	712.9 -> 669.0	411	0.0247	µg/L		97
PFDoS	8.228	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	1122	0.5293	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	1428	0.7312	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	54	0.0148	µg/L		82

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

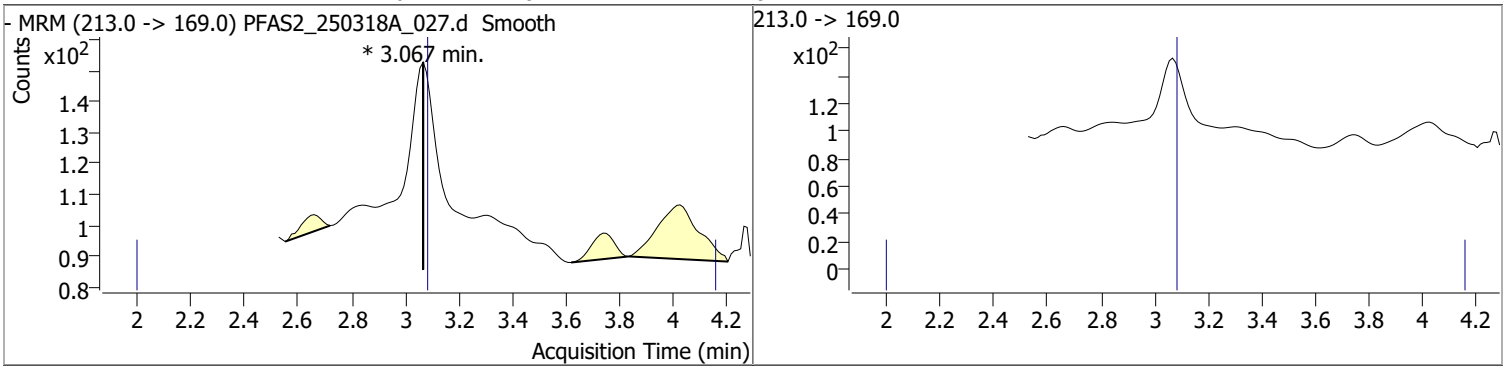
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.5576	3.06	-0.01	195367				



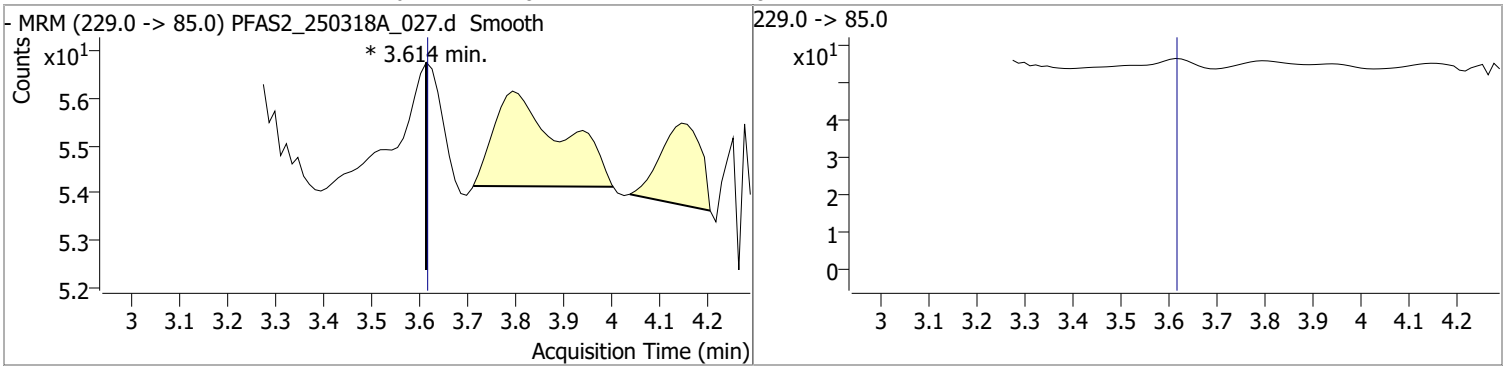
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	131102				



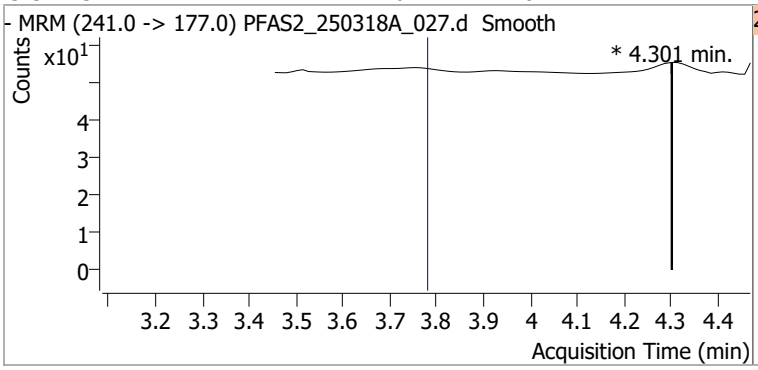
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

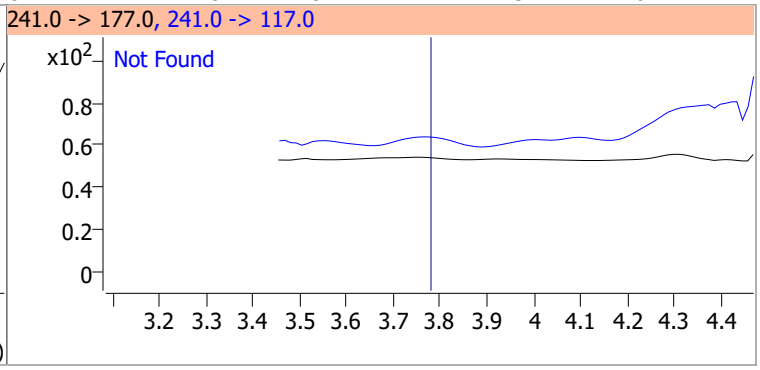


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

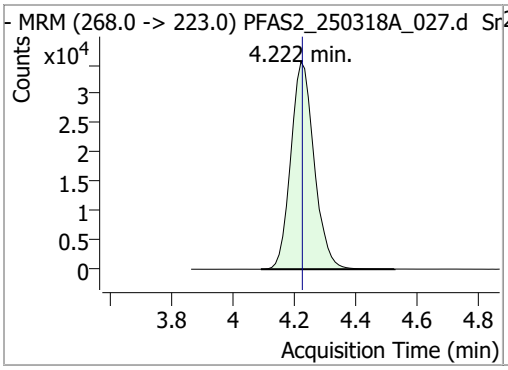


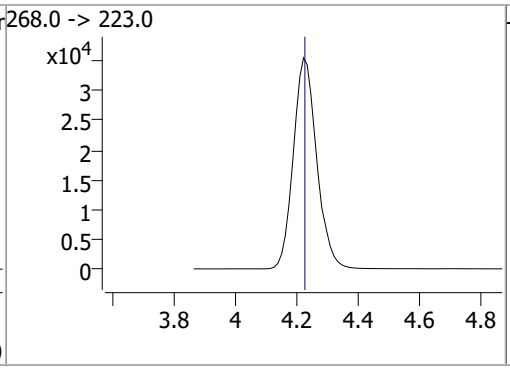
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

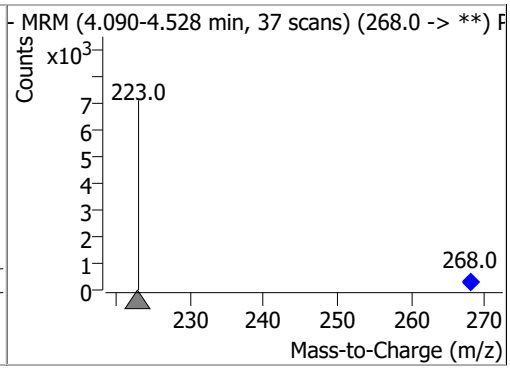




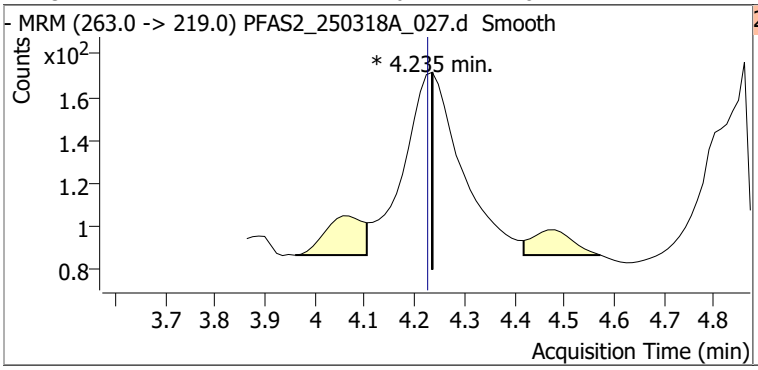
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7658	4.22	0.00	188363				

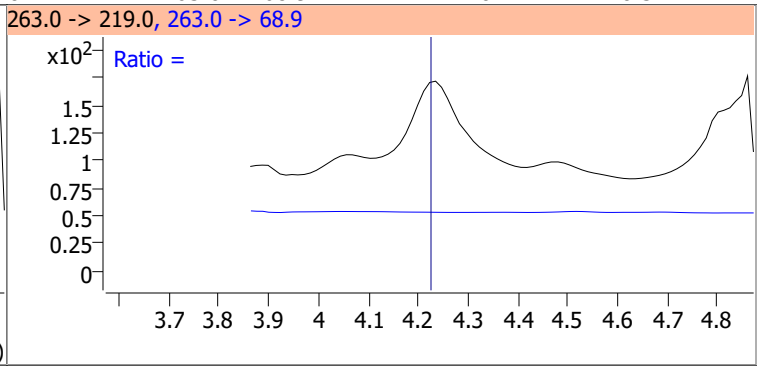




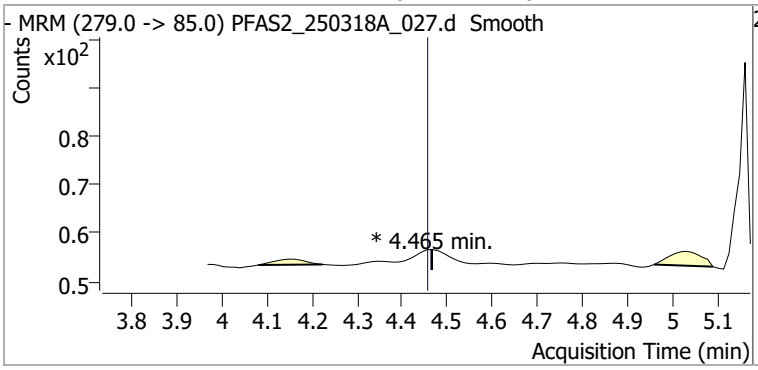


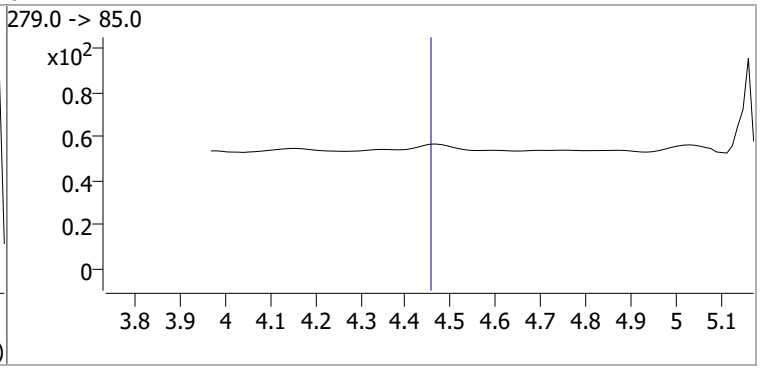
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



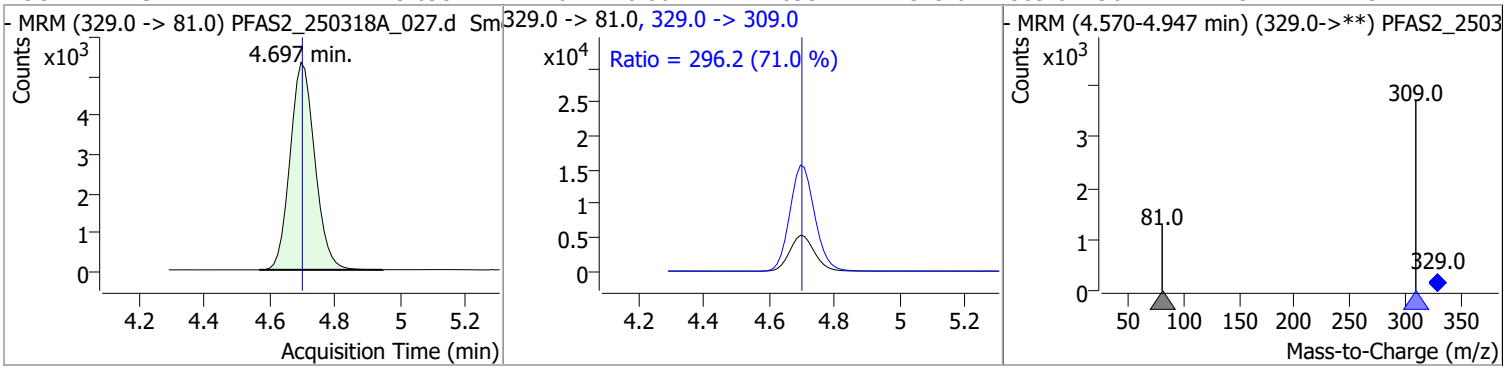


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

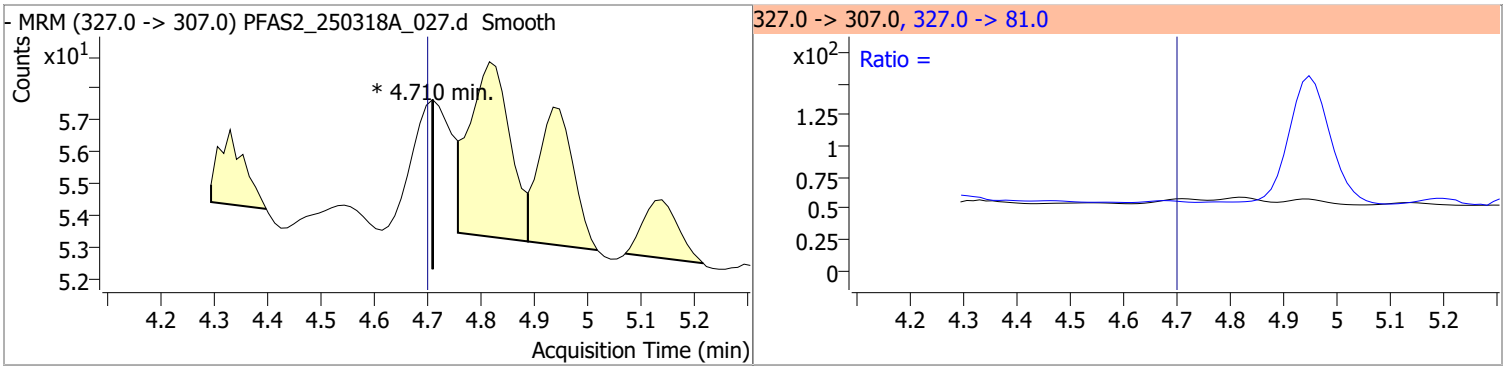




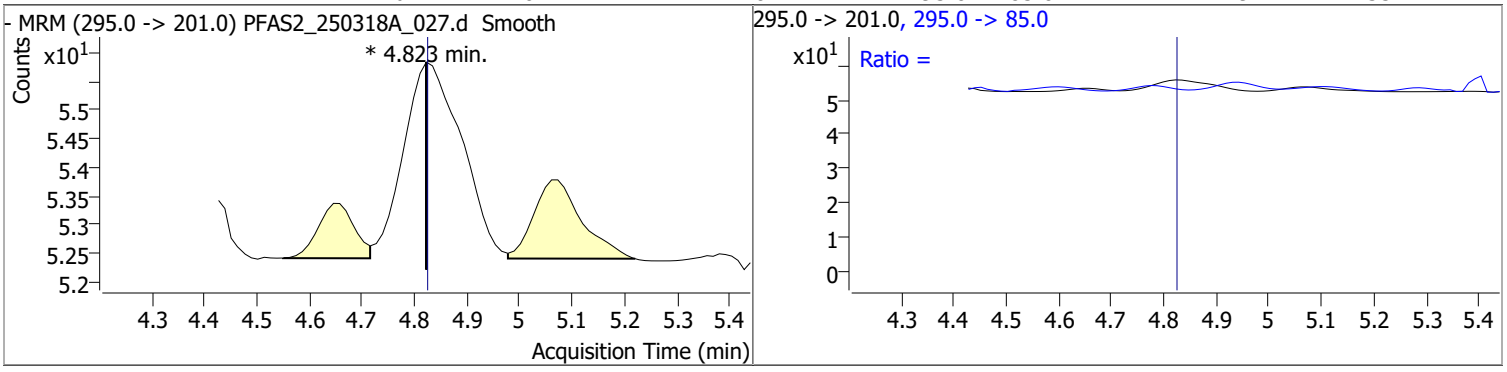
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6937	4.70	0.00	27893	329.0 -> 309.0	296.2	292.1	542.4



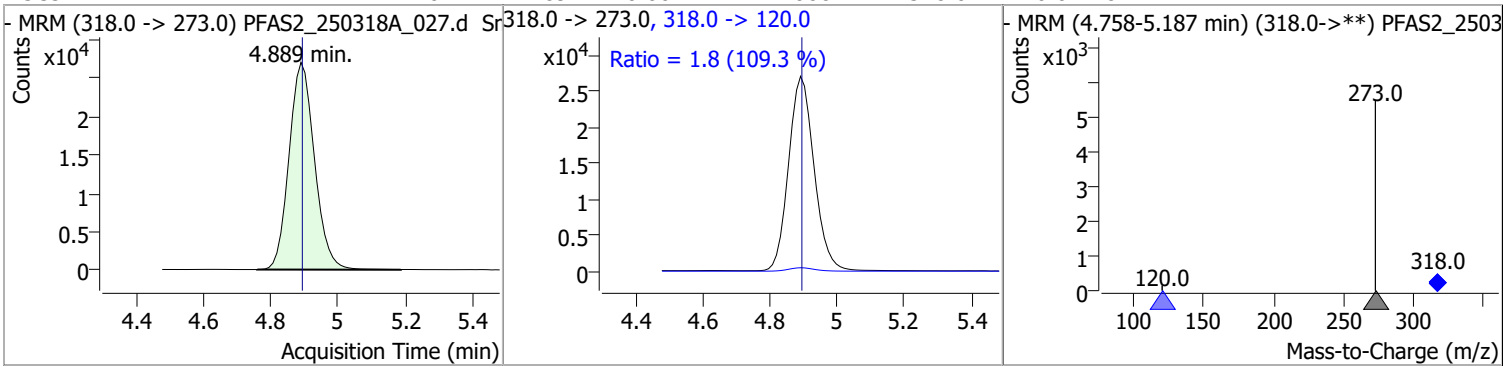
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



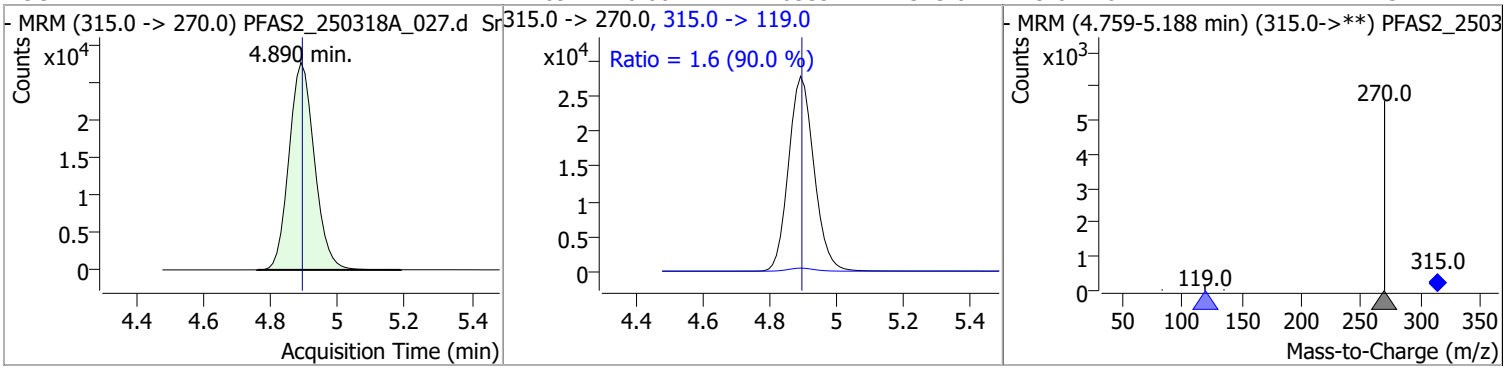
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



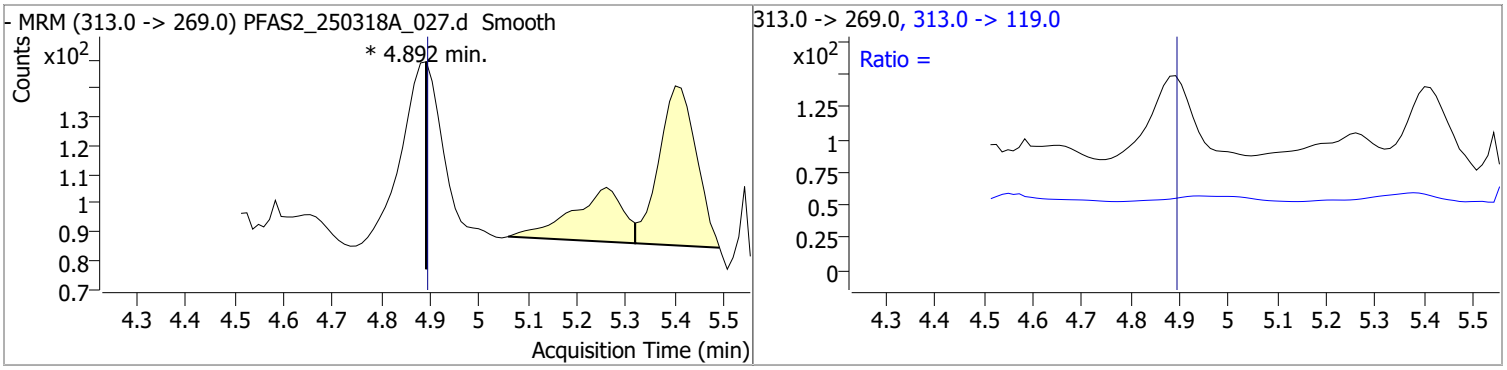
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2022	4.89	0.00	142088	318.0 -> 120.0	1.8	1.1	2.1



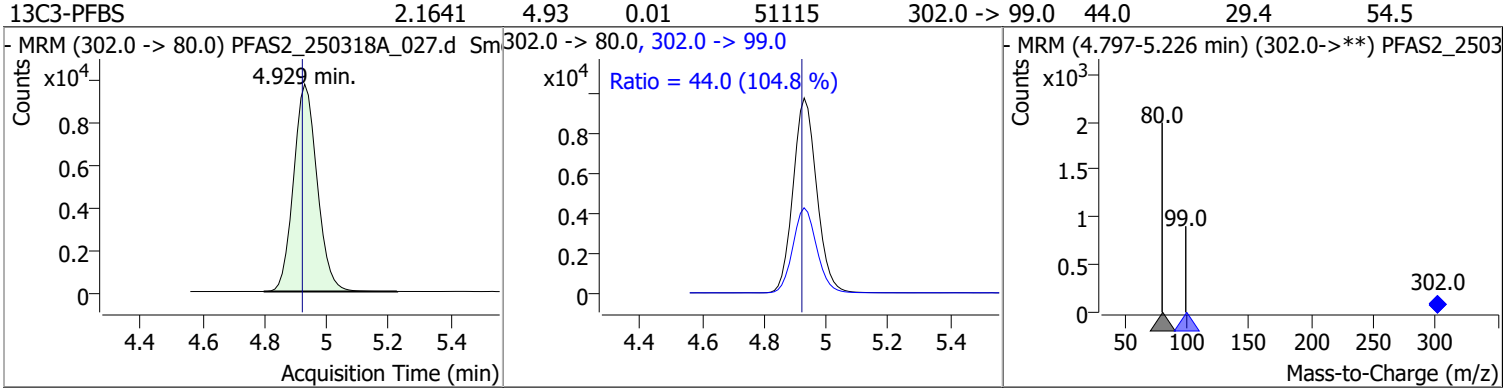
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	146539	315.0 -> 119.0	1.6	1.2	2.3



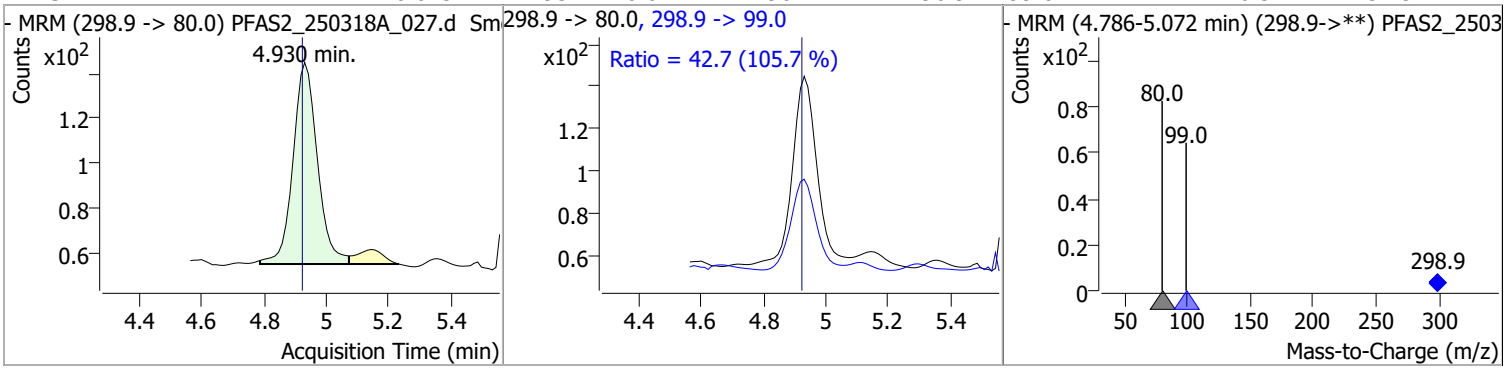
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



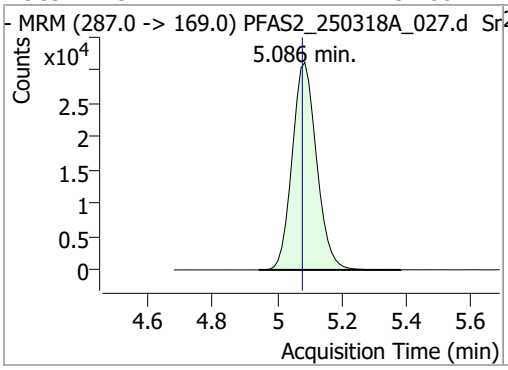
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1641	4.93	0.01	51115	302.0 -> 99.0	44.0	29.4	54.5

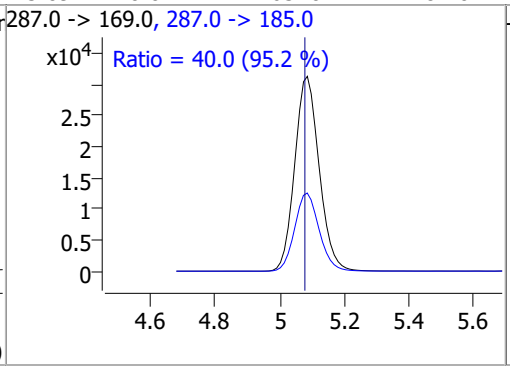


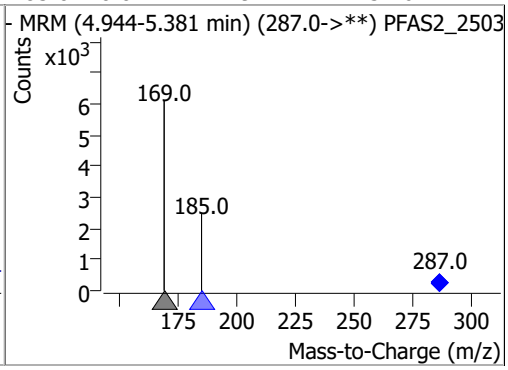
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0231	4.93	0.01	490	298.9 -> 99.0	42.7	28.3	52.5



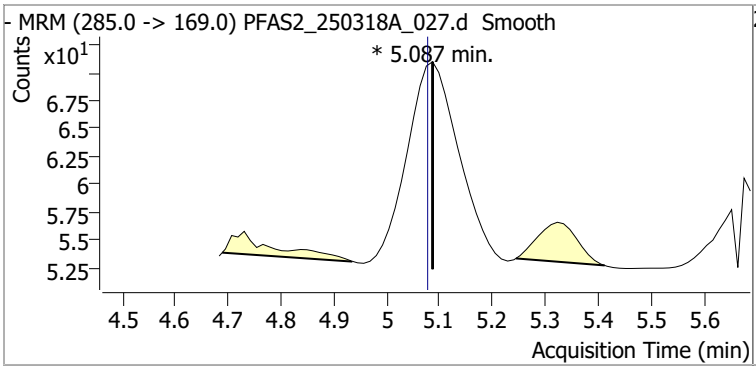
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7884	5.09	0.01	163402	287.0 -> 185.0	40.0	29.4	54.6

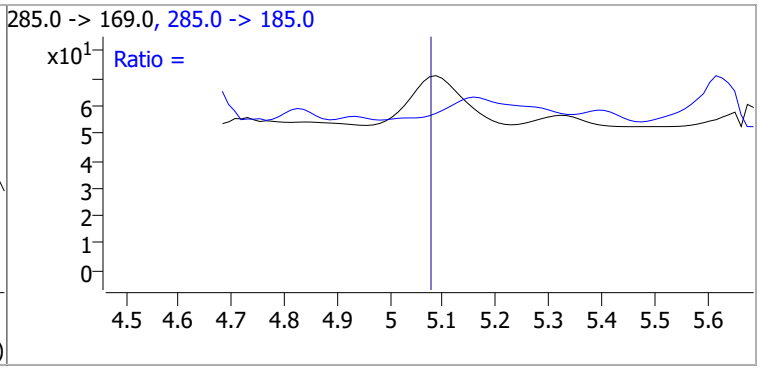




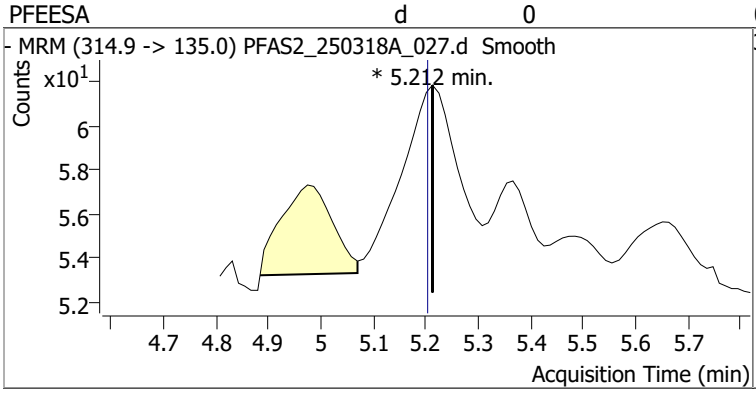


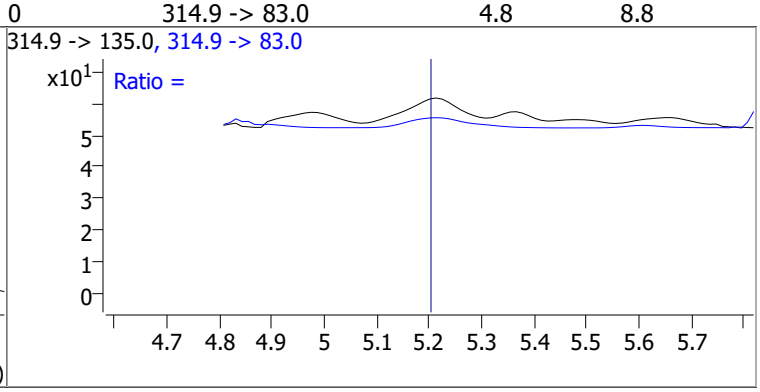
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



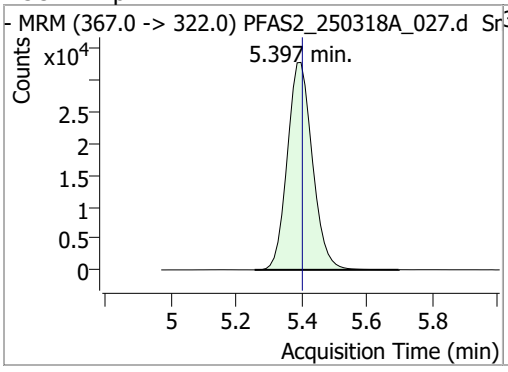


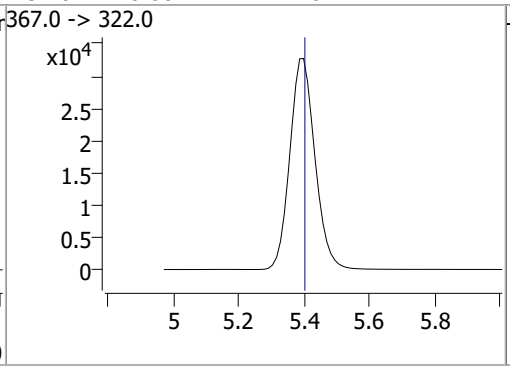
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

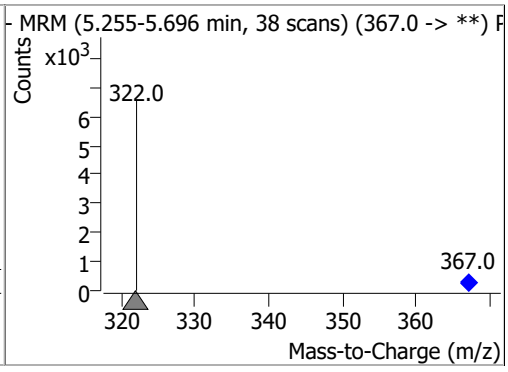




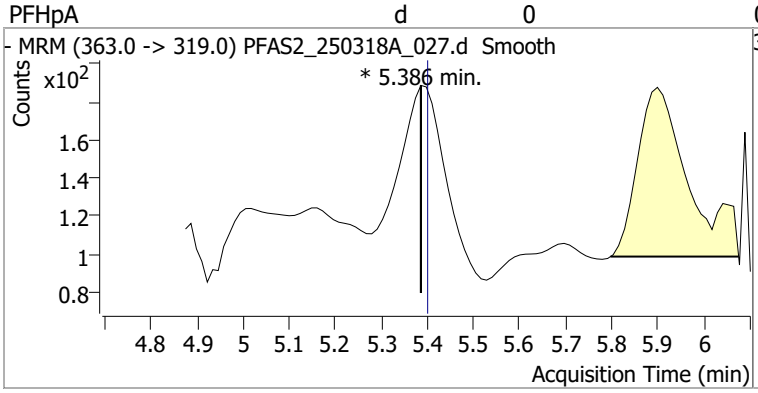
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4217	5.40	0.00	174704				

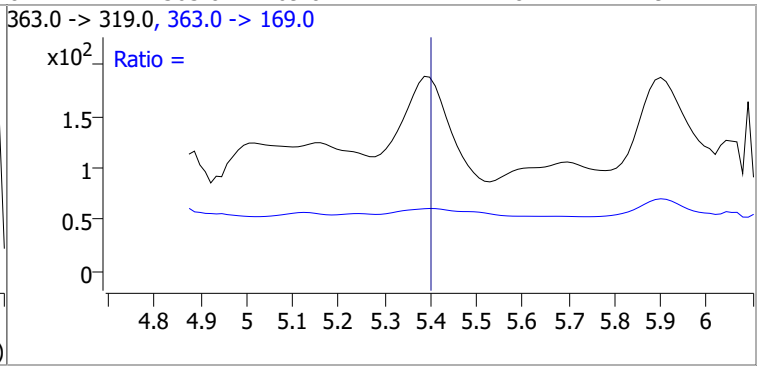




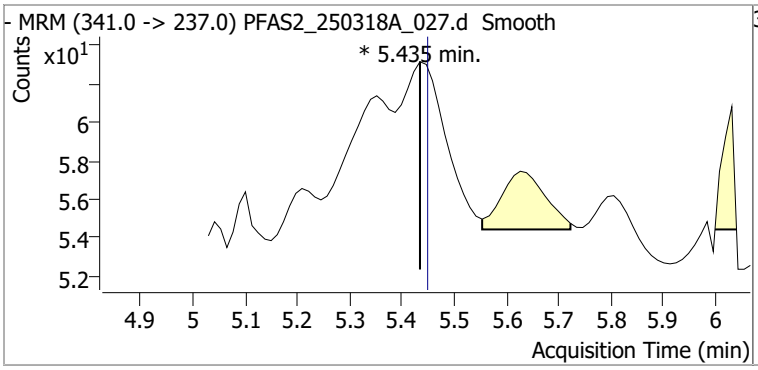


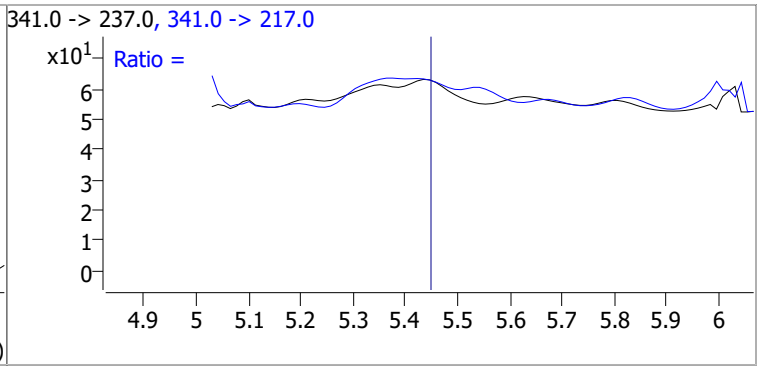
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



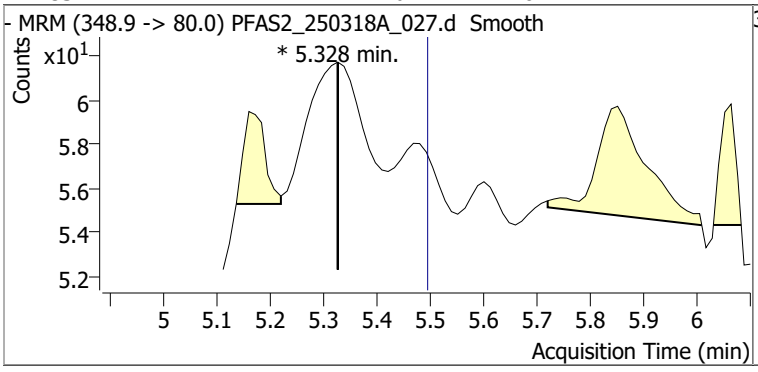


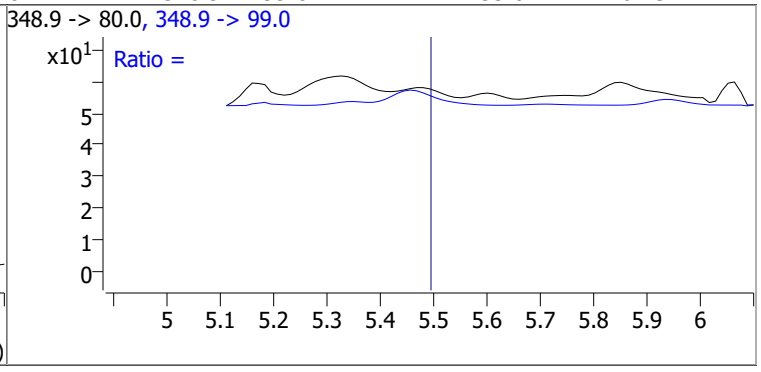
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



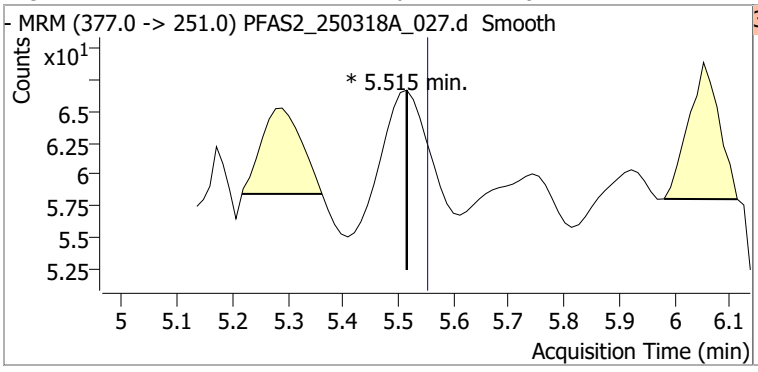


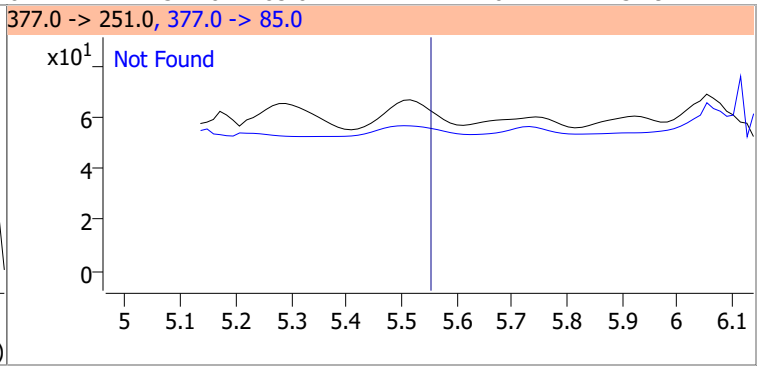
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



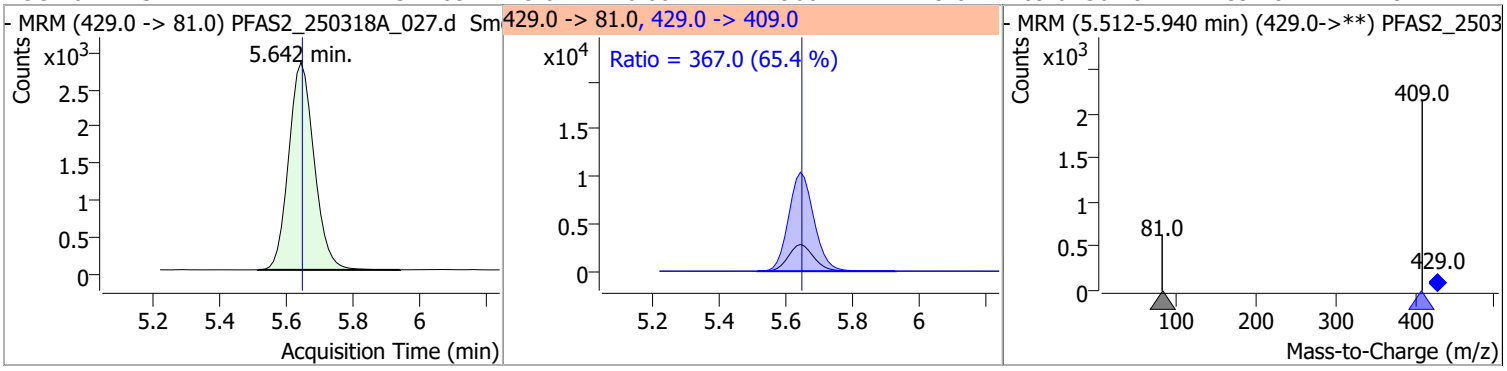


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

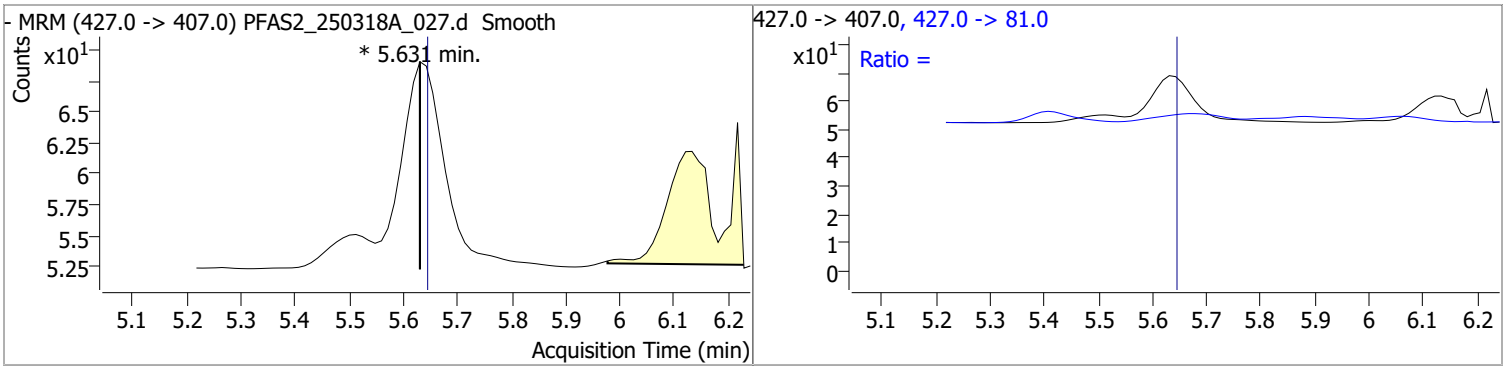




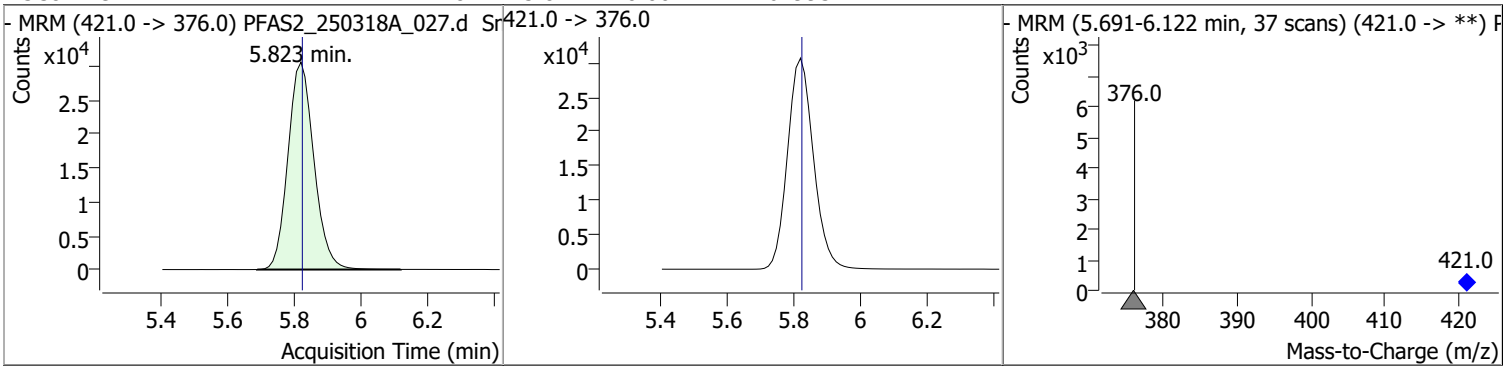
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2105	5.64	0.00	14966	429.0 -> 409.0	367.0	392.8	729.4



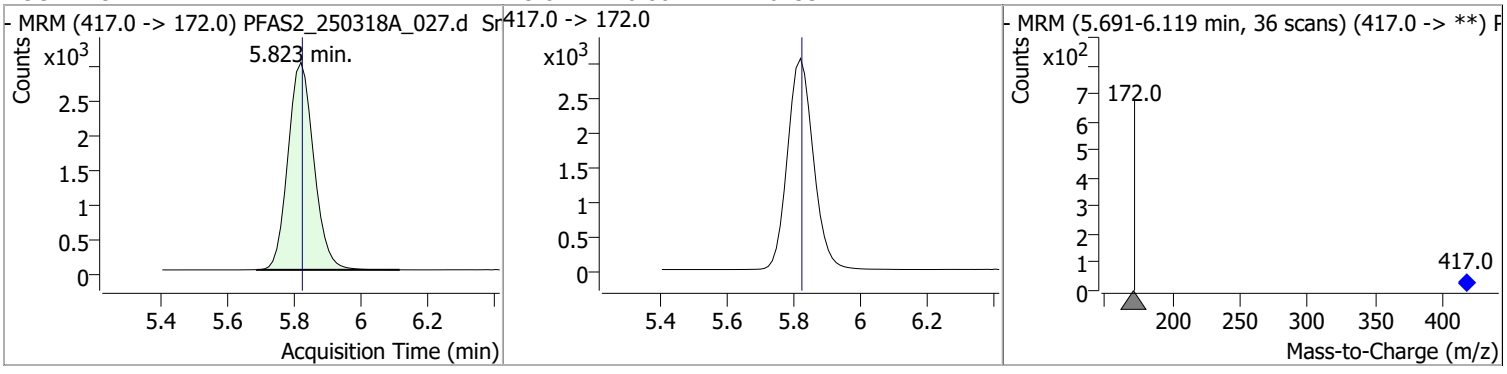
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



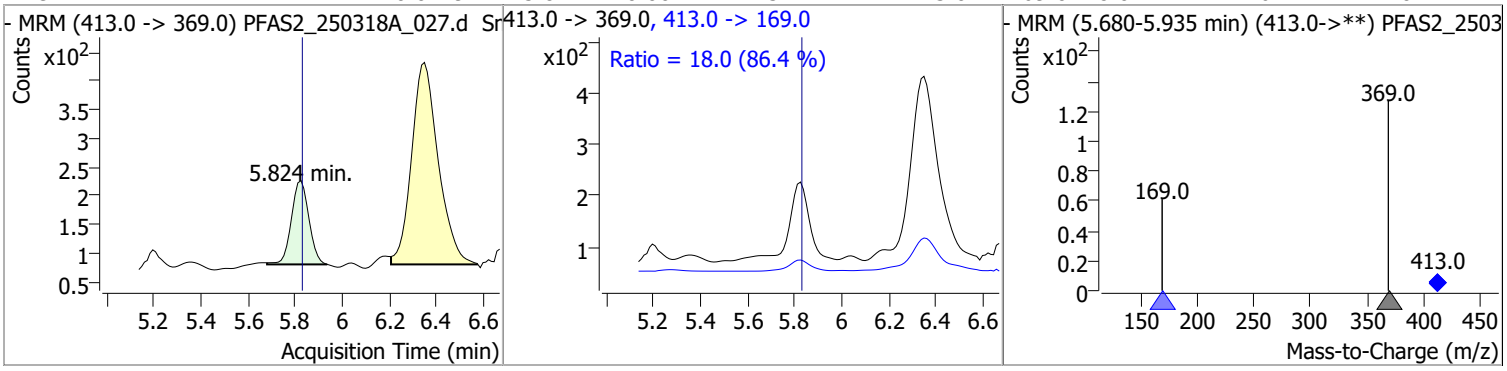
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2728	5.82	0.00	164993				



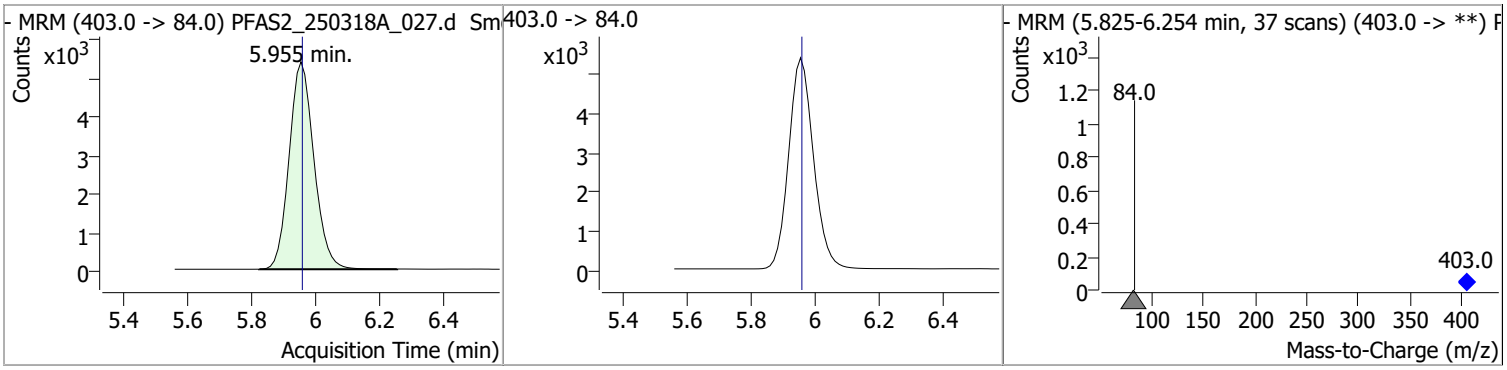
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16233				



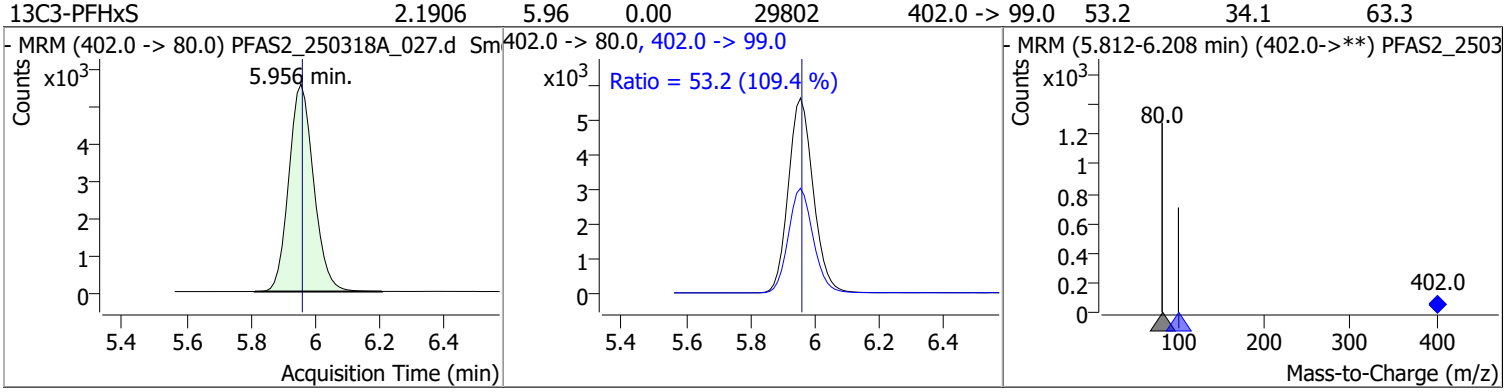
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0479	5.82	0.00	754	413.0 -> 169.0	18.0	14.6	27.0



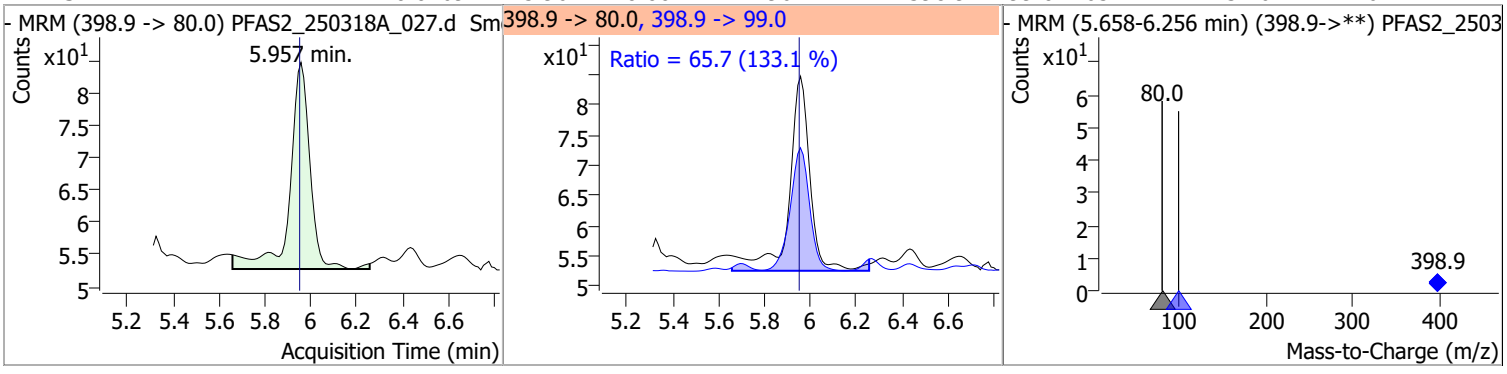
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28843				



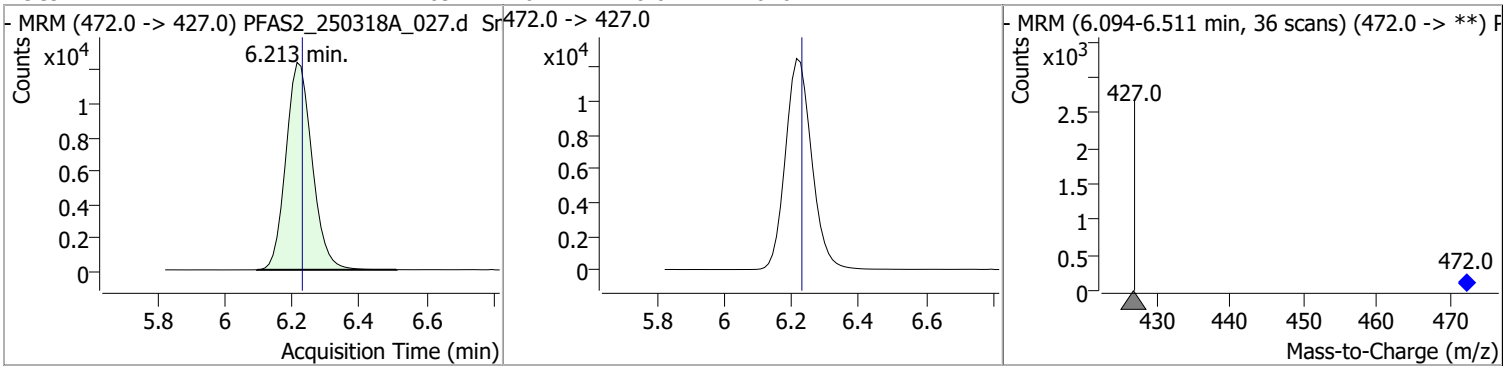
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.1906	5.96	0.00	29802	402.0 -> 99.0	53.2	34.1	63.3



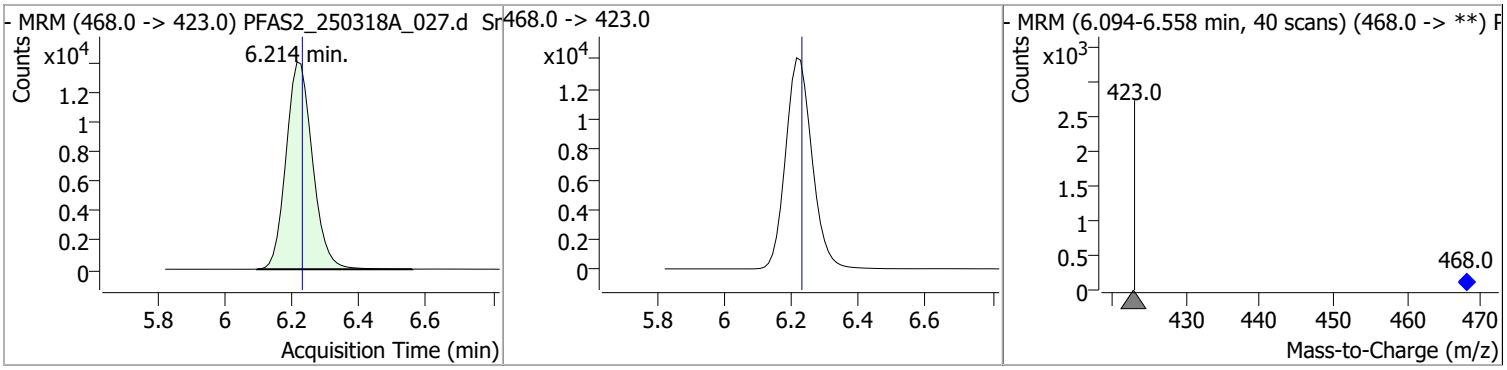
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0169	5.96	0.00	196	398.9 -> 99.0	65.7	34.6	64.2



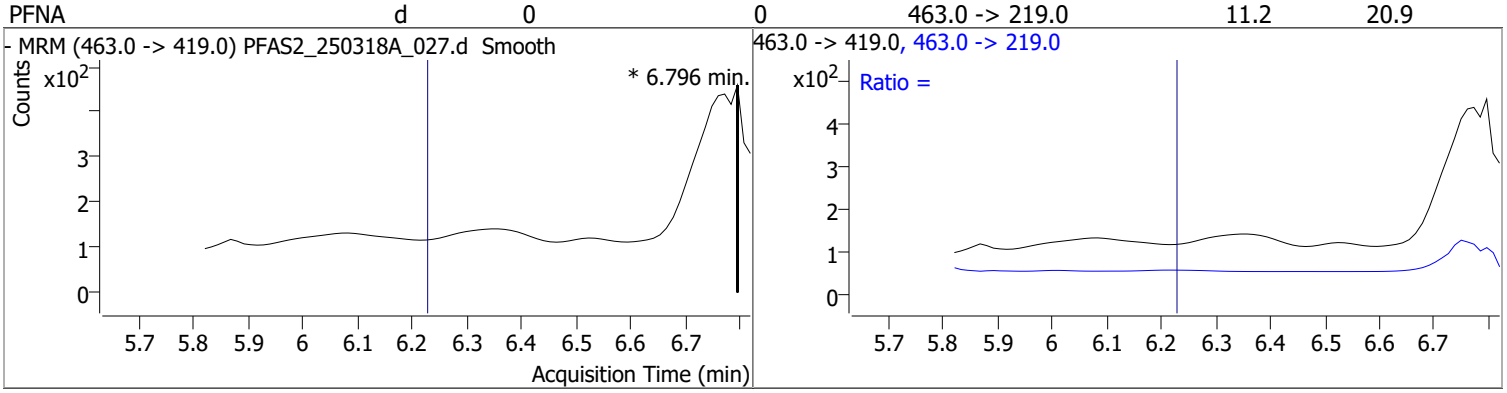
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1094	6.21	-0.01	67672				



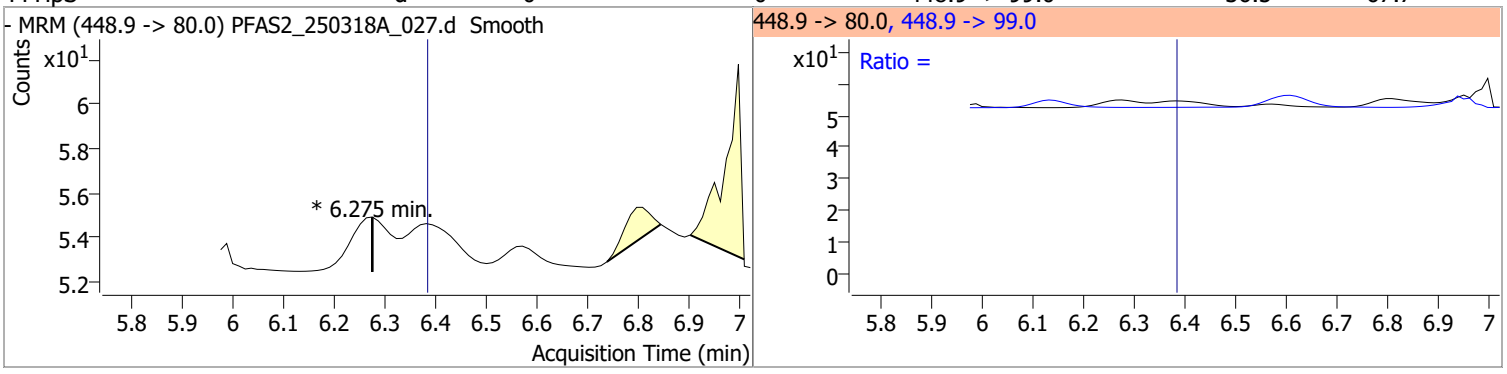
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	76978				



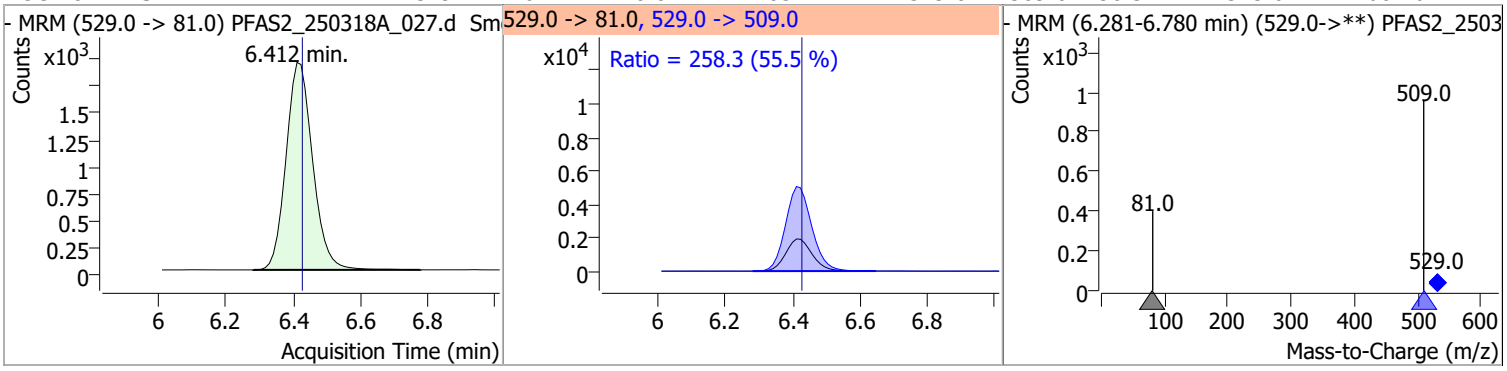
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



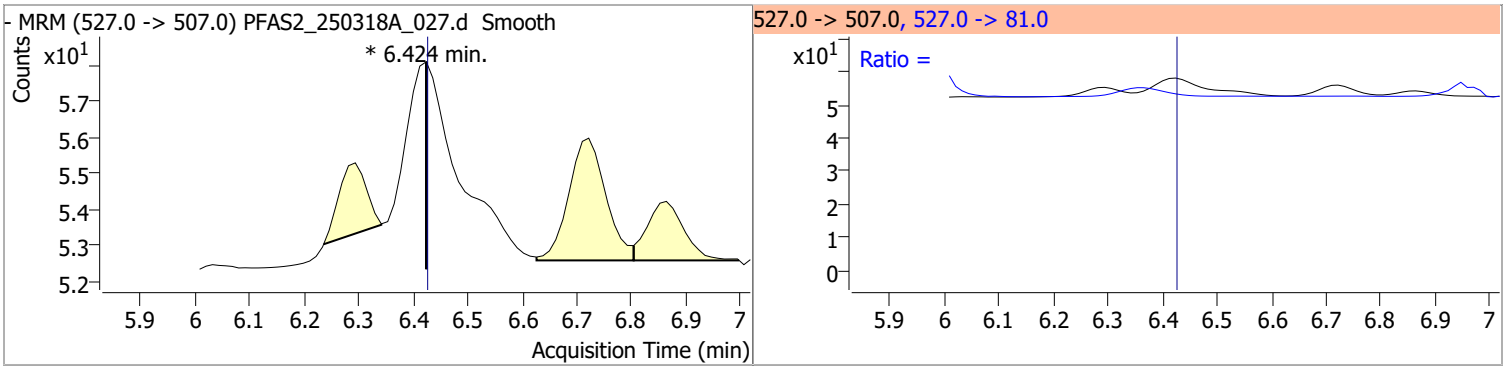
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



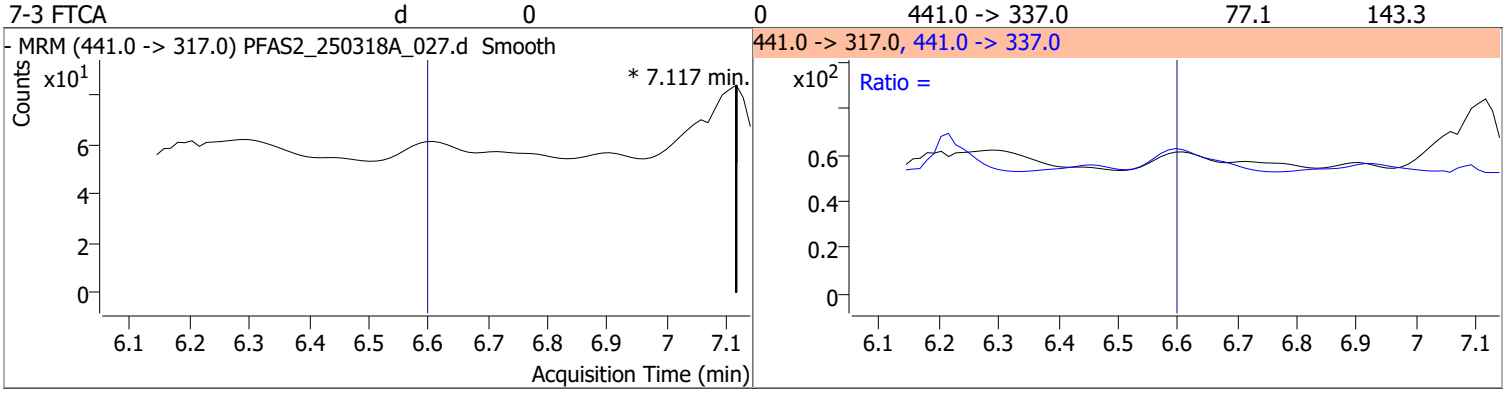
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5792	6.41	-0.01	10574	529.0 -> 509.0	258.3	325.6	604.6



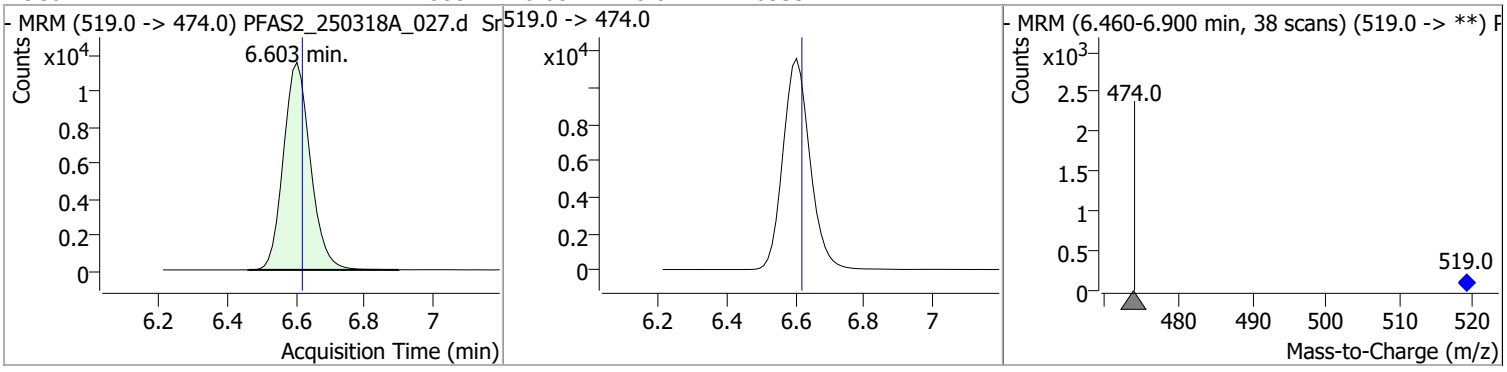
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



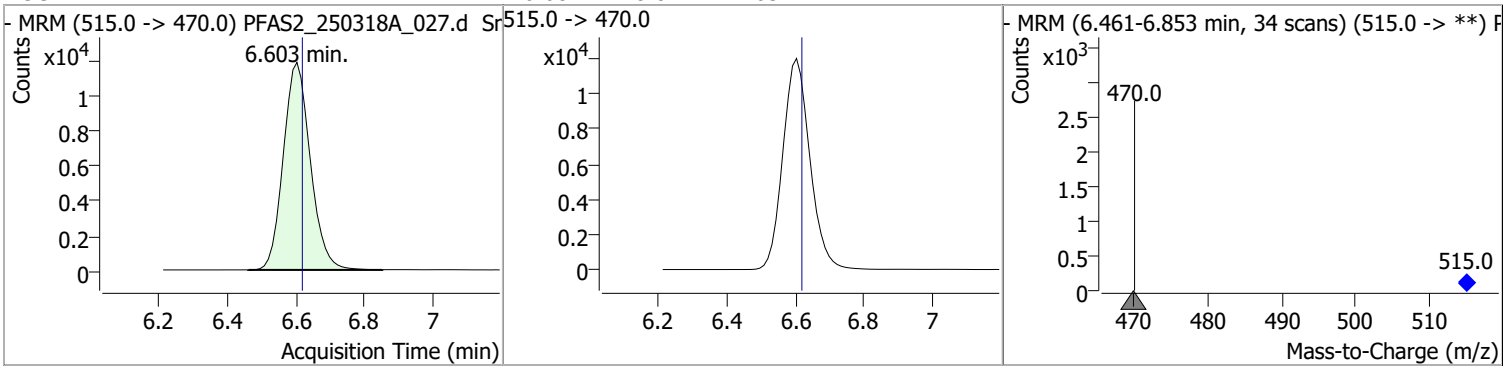
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



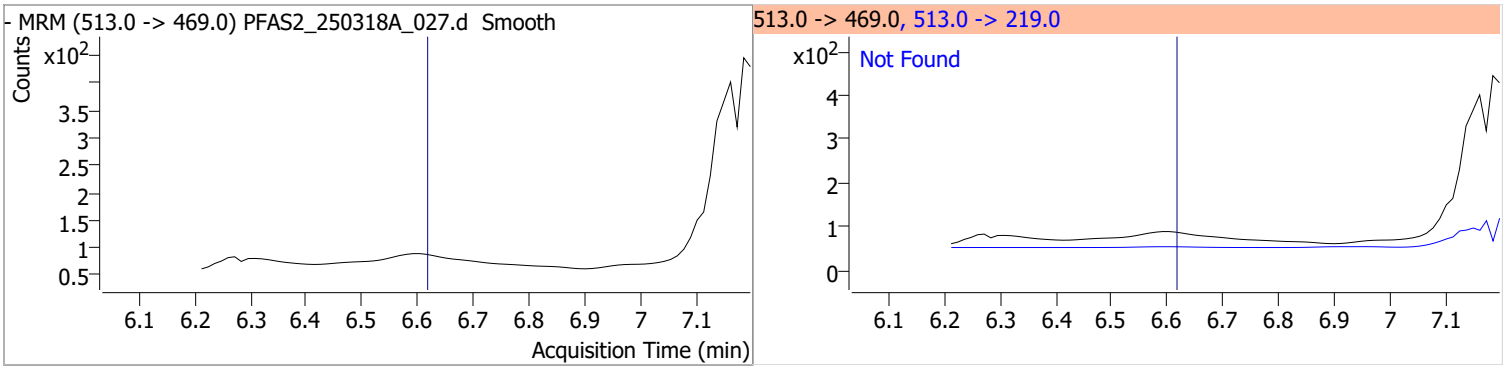
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1888	6.60	-0.01	63337				



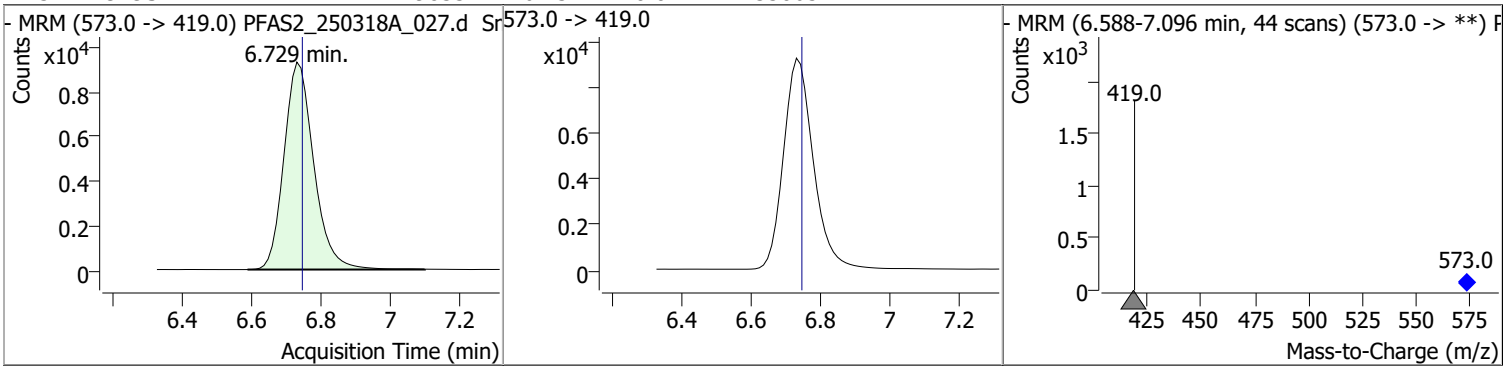
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	65471				



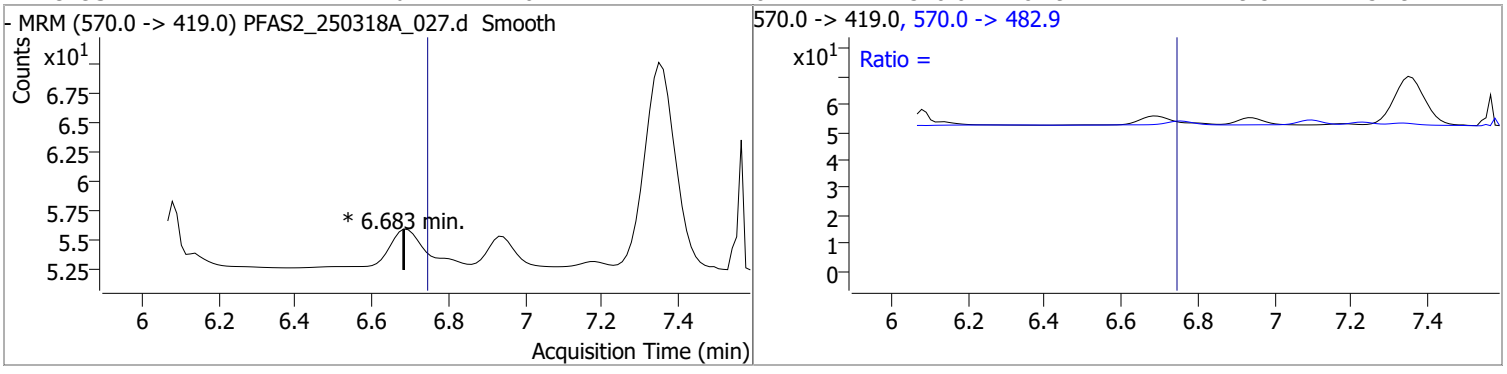
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDA	N.D.	6.62	513.0 -> 219.0	12.5



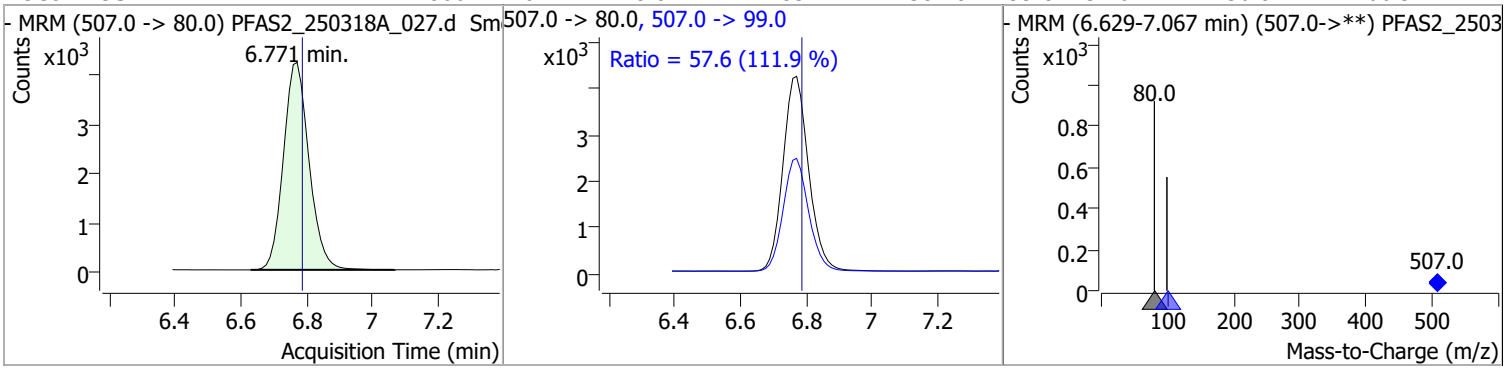
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9833	6.73	-0.01	55065				



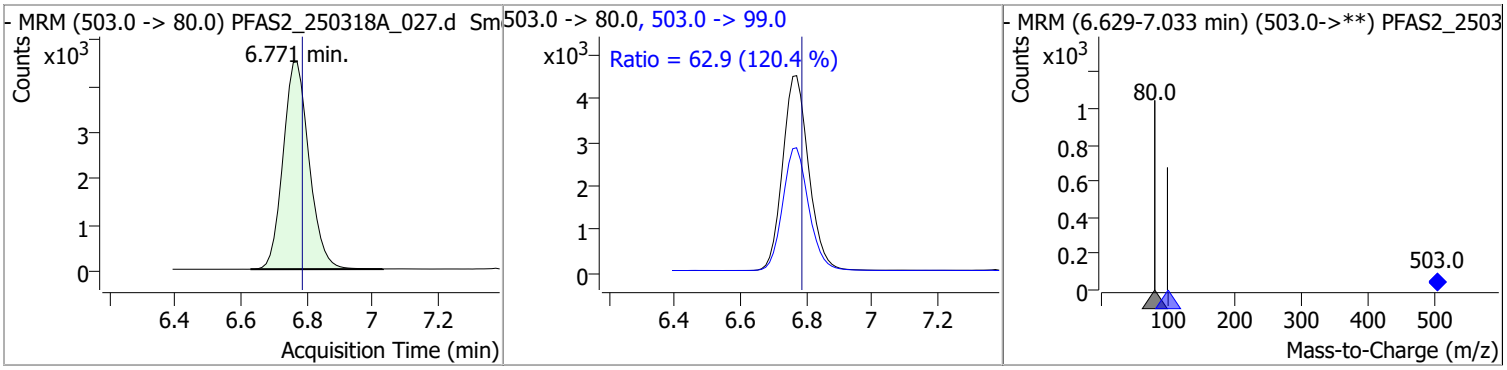
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



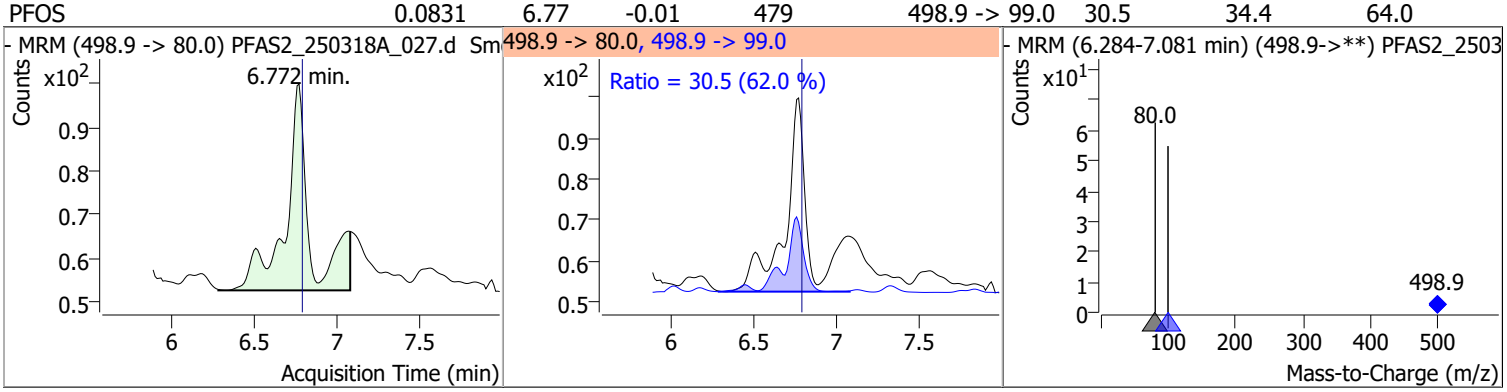
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2866	6.77	-0.01	22854	507.0 -> 99.0	57.6	36.0	66.9



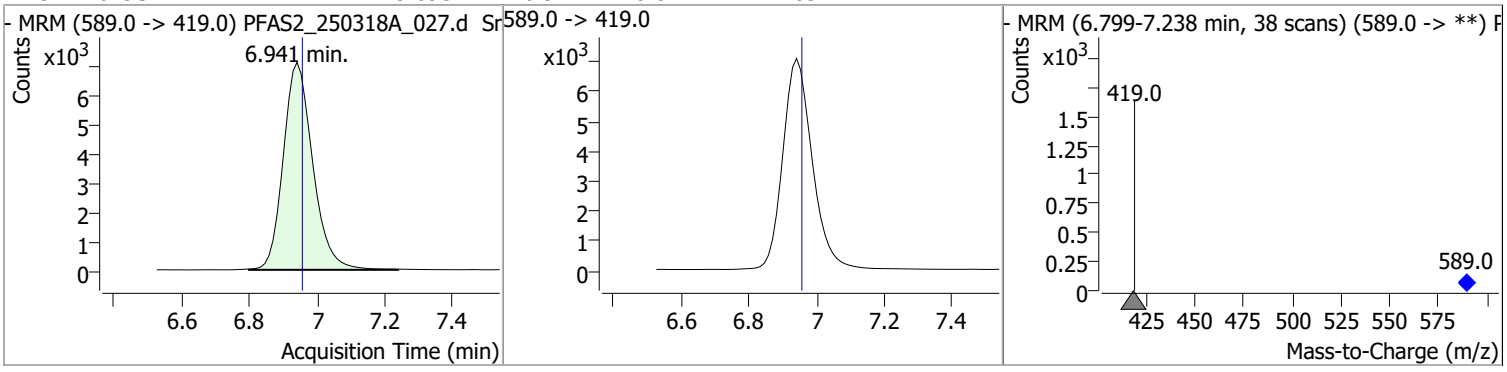
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24627	503.0 -> 99.0	62.9	36.6	67.9



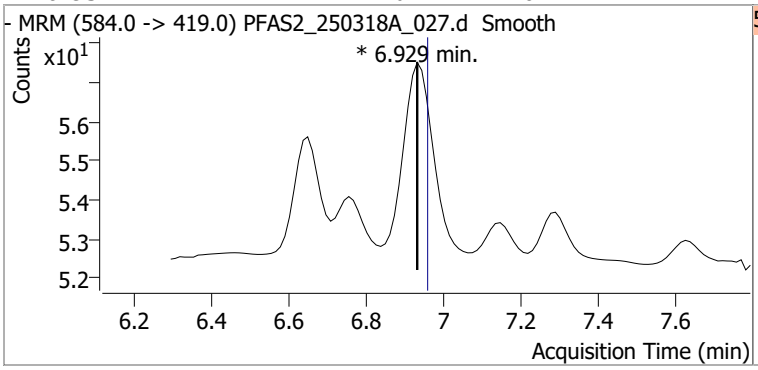
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0831	6.77	-0.01	479	498.9 -> 99.0	30.5	34.4	64.0

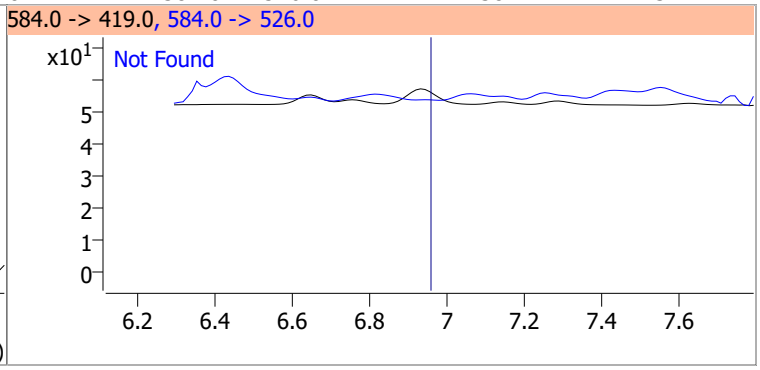


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0932	6.94	-0.01	42489				

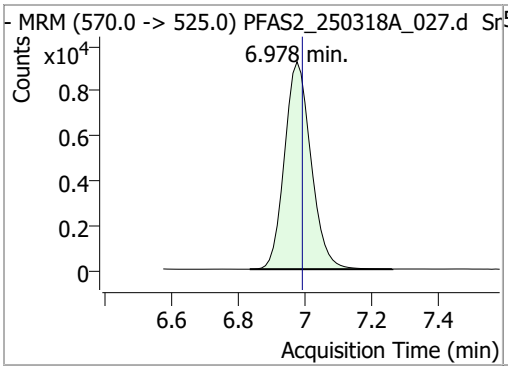


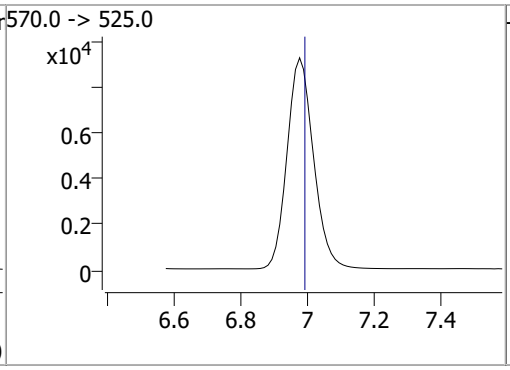
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

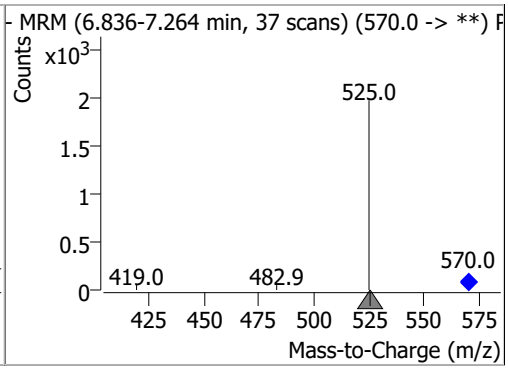




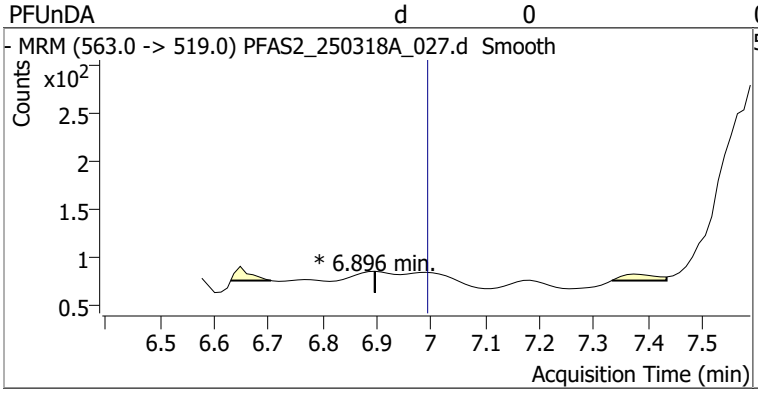
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2146	6.98	-0.01	50996				

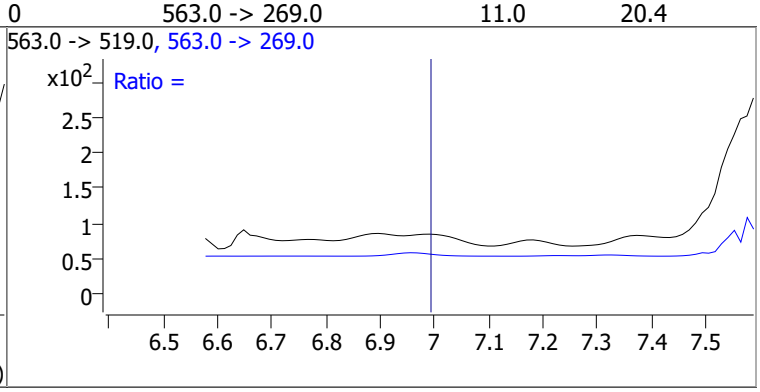




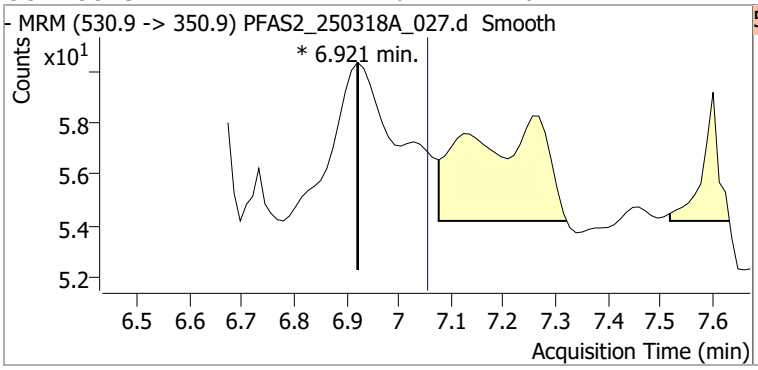


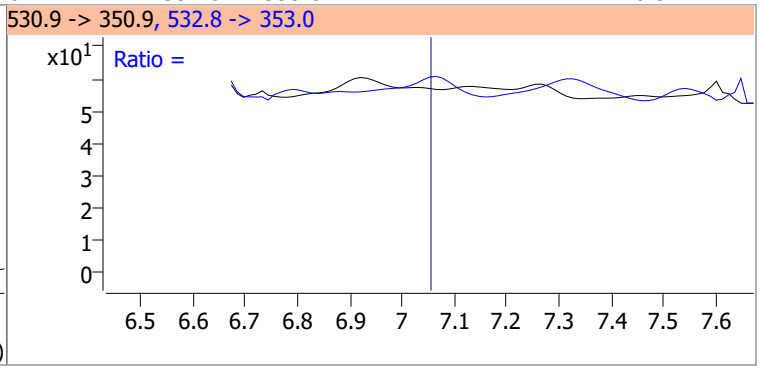
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



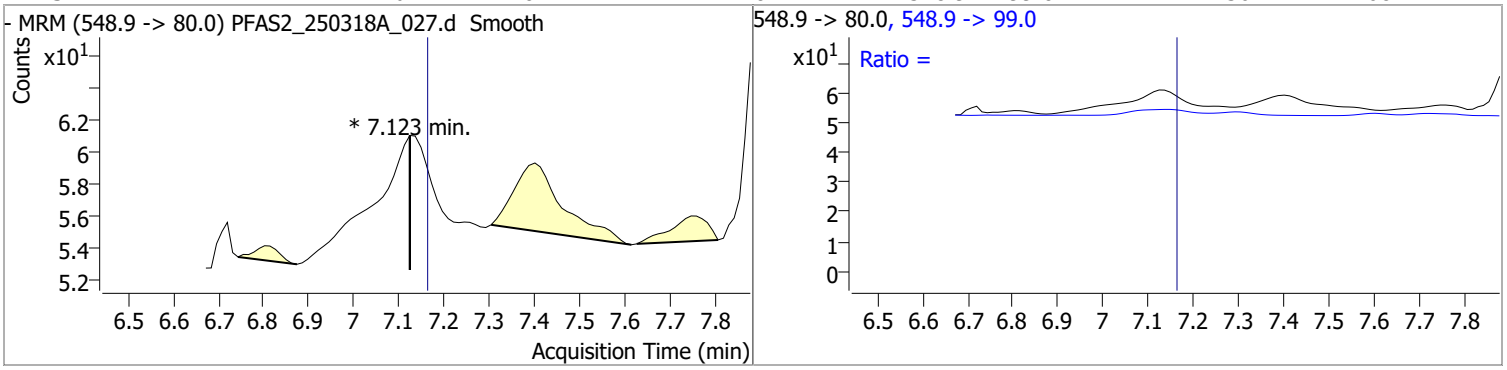


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

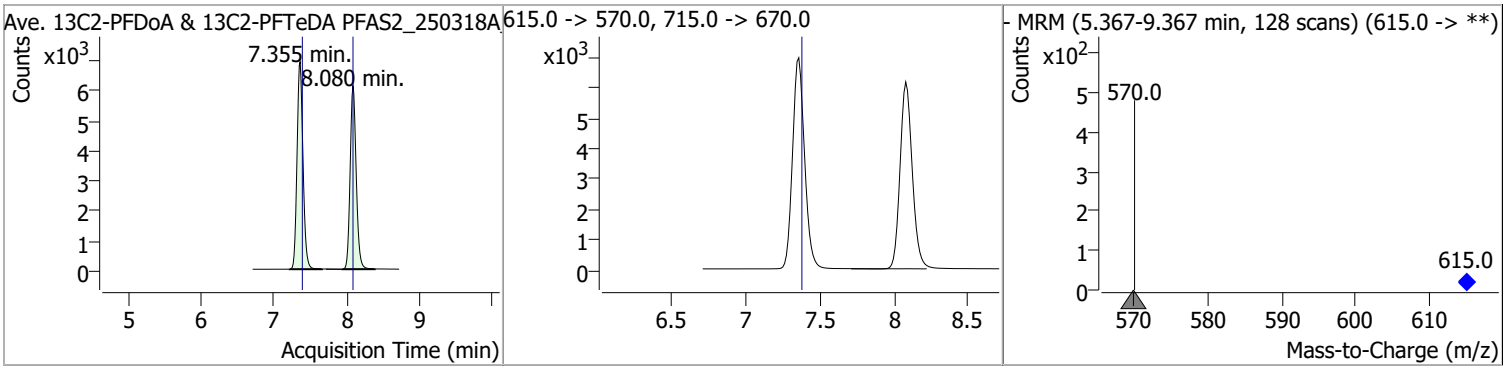




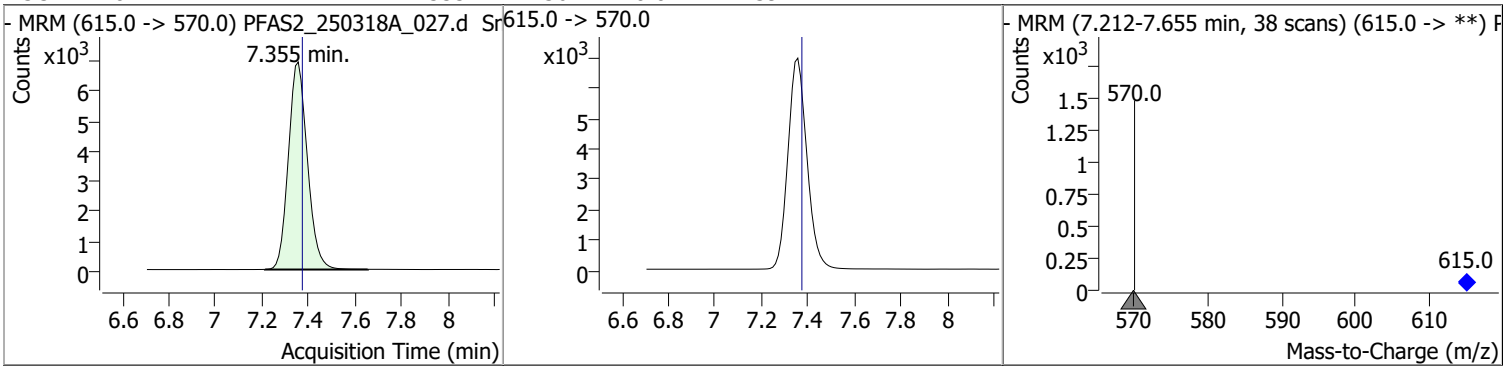
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



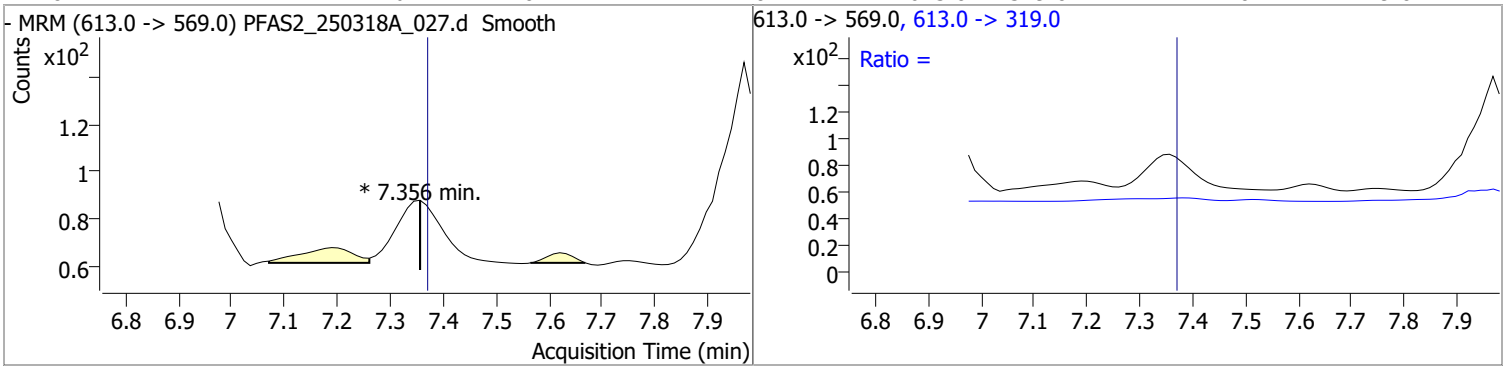
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0781	7.72	0.35	37311				



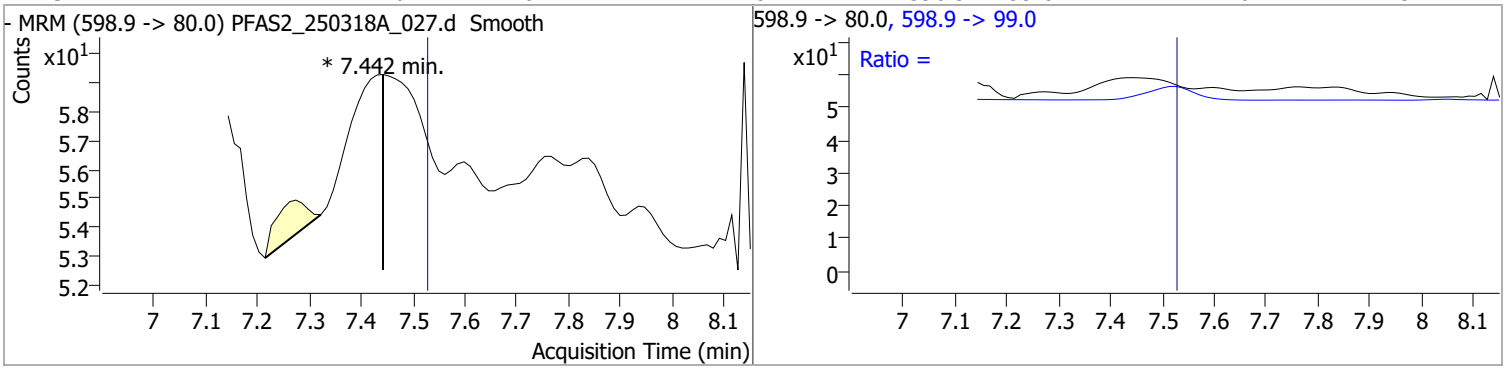
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2555	7.36	-0.01	39274				



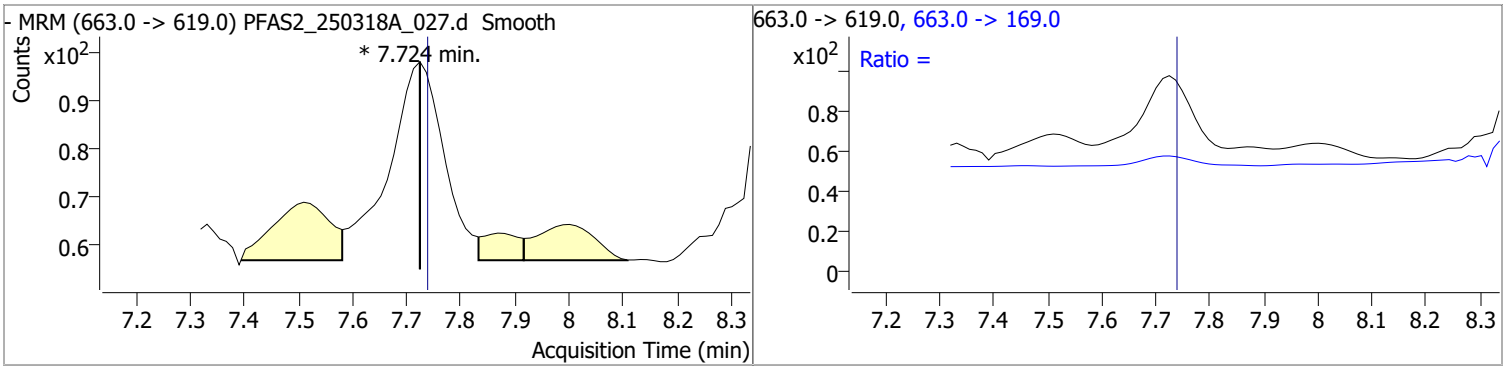
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



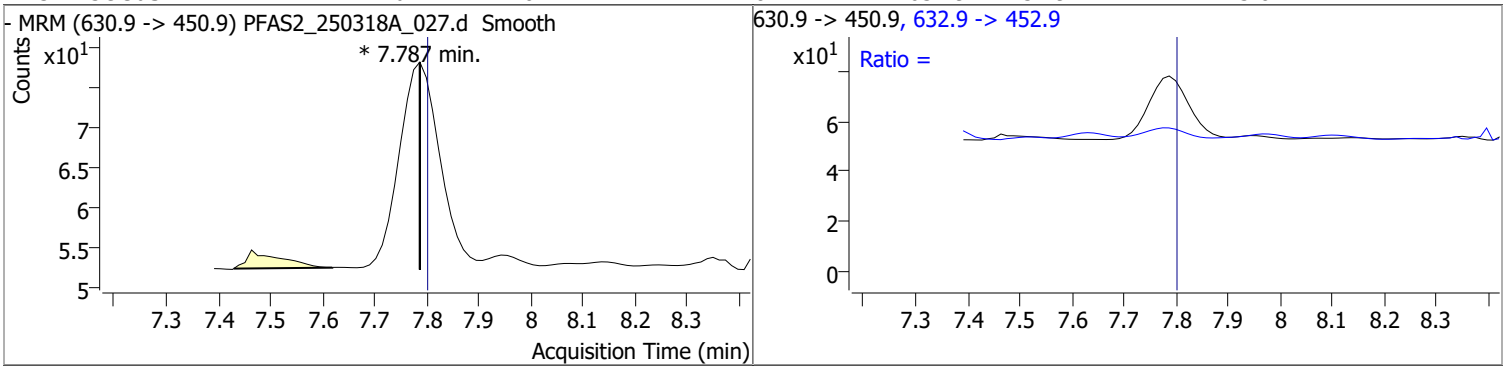
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



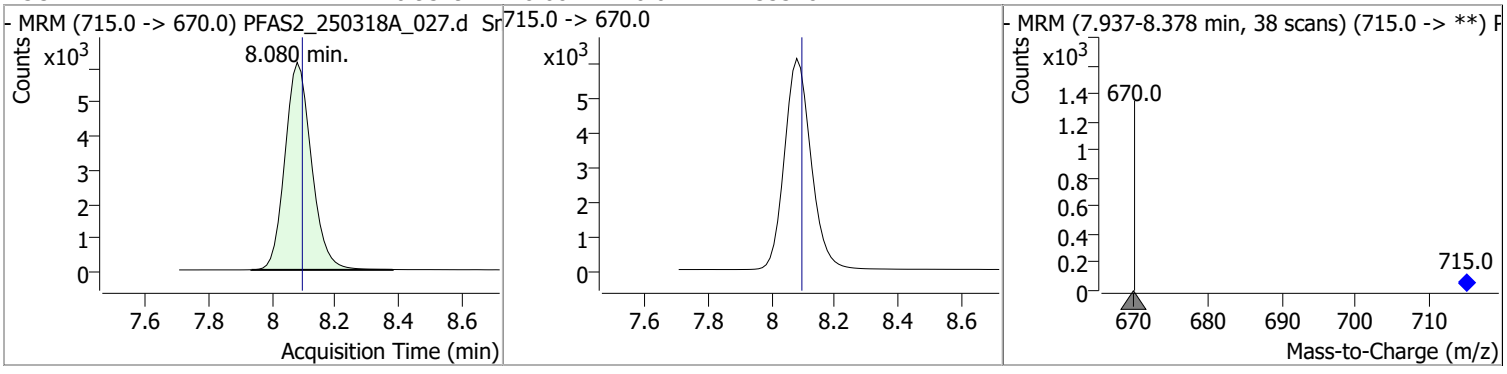
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



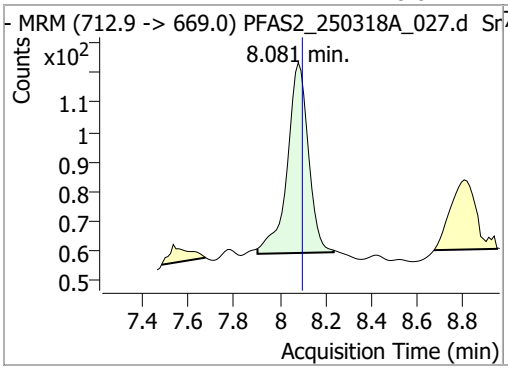
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

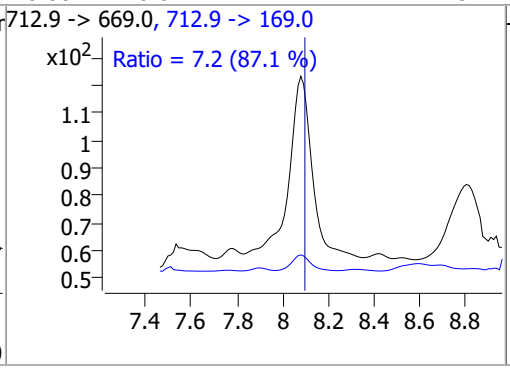


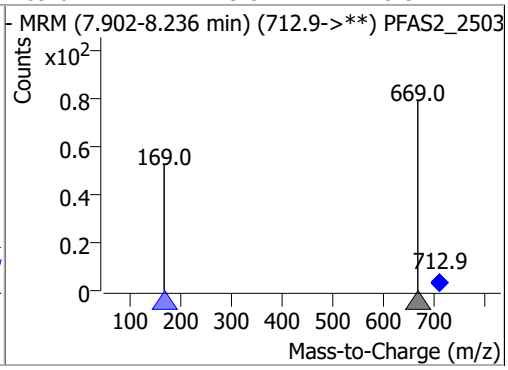
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9319	8.08	-0.01	35348				



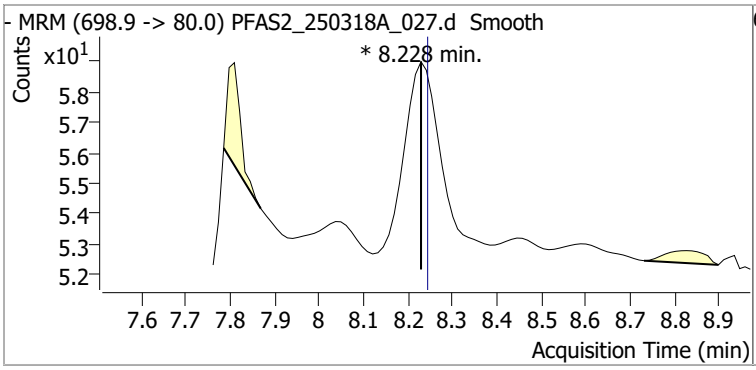
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0247	8.08	-0.01	411	712.9 -> 169.0	7.2	5.8	10.8

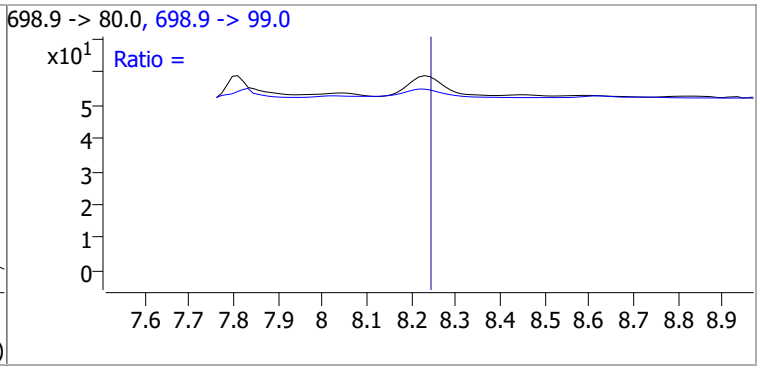




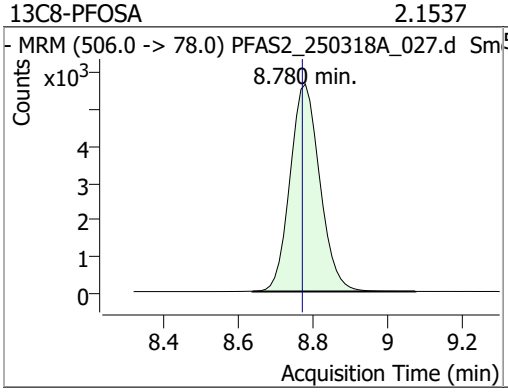


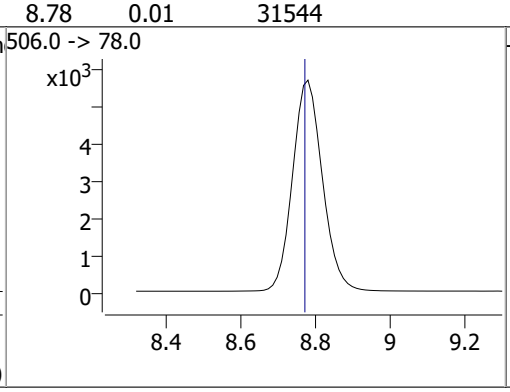
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

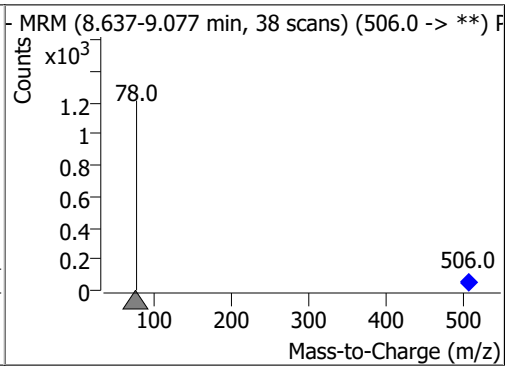




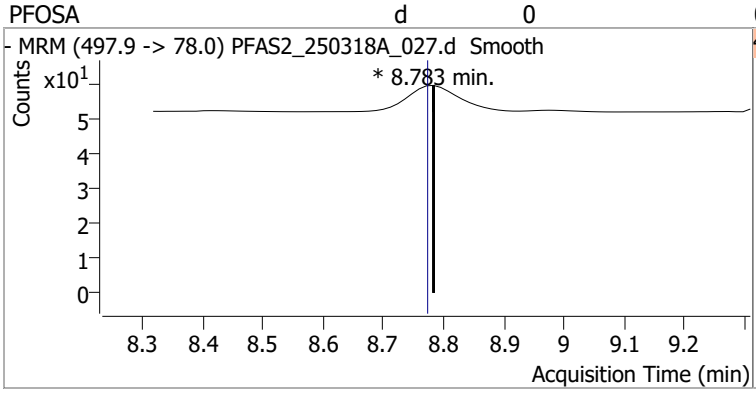
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1537	8.78	0.01	31544				

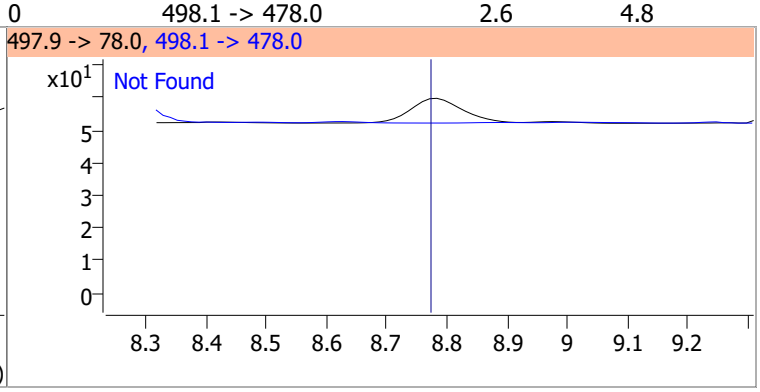




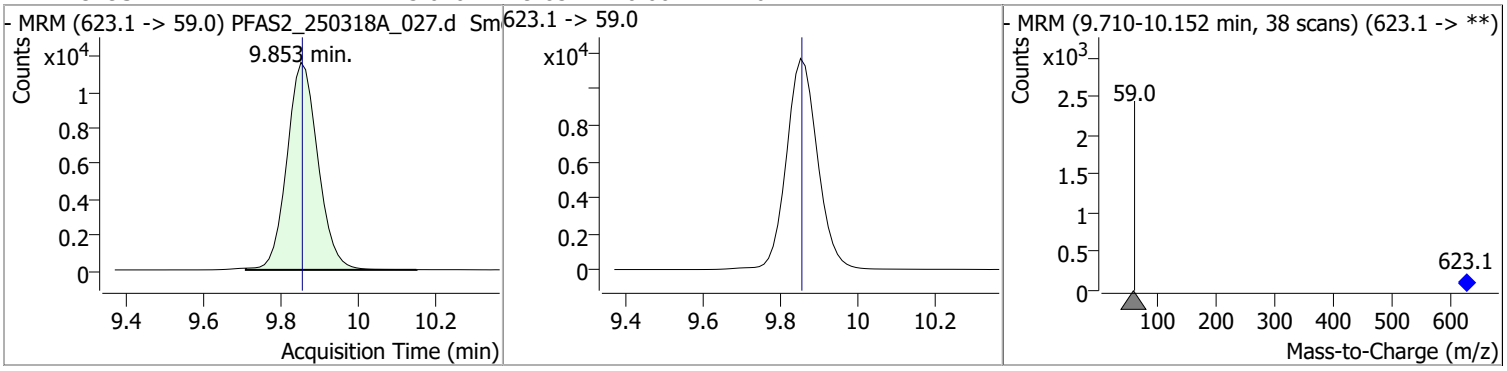


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

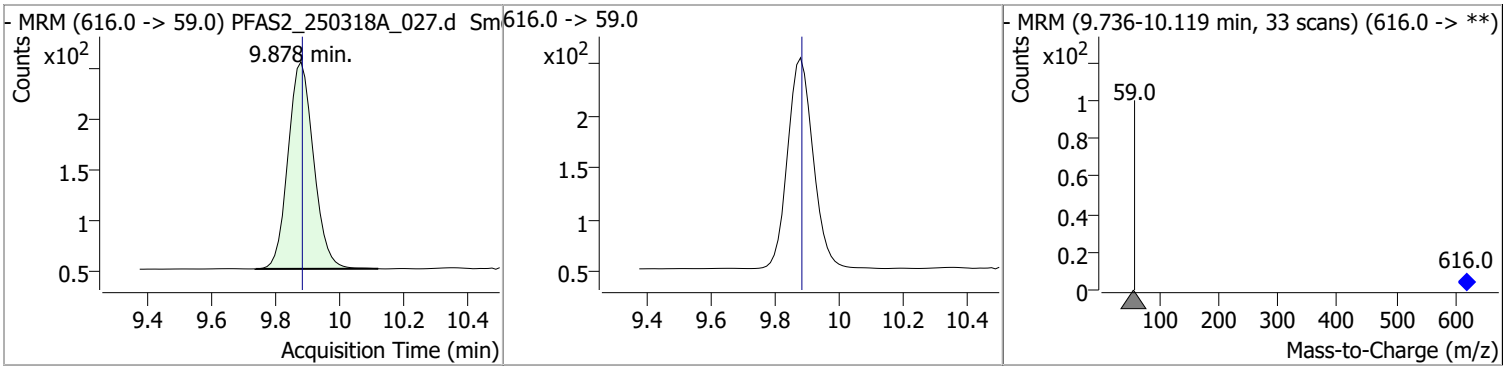




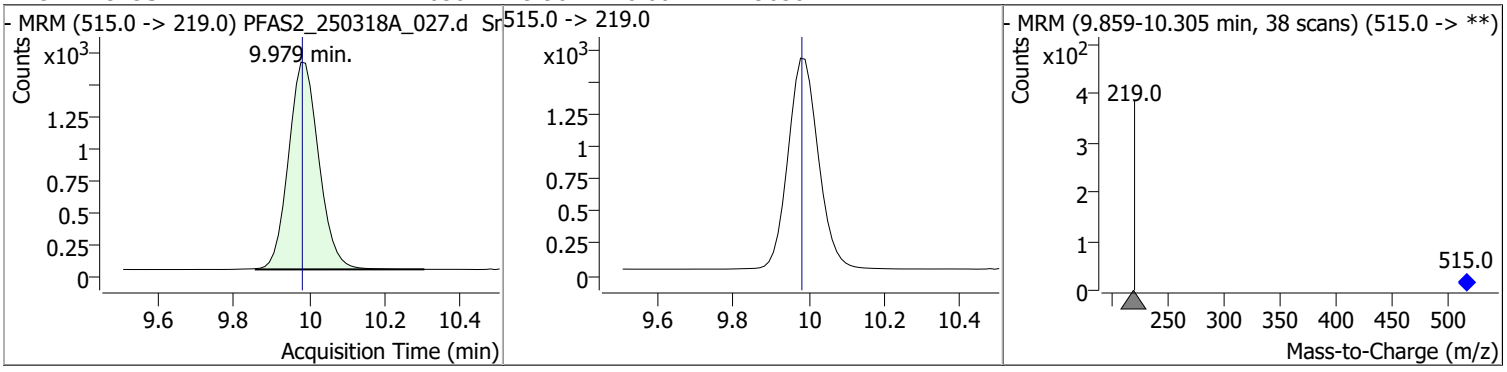
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.0402	9.85	0.00	64744				



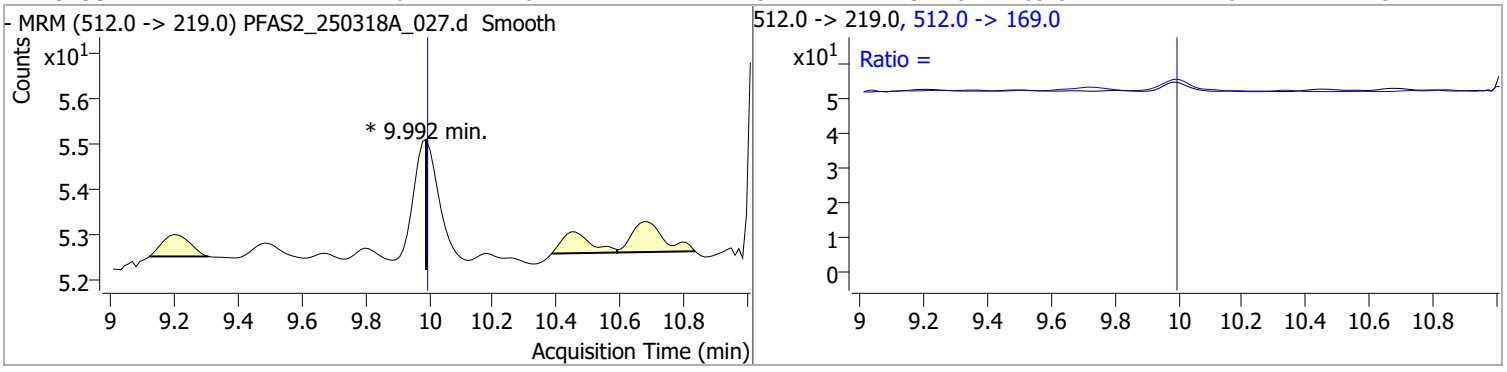
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.5293	9.88	0.00	1122				



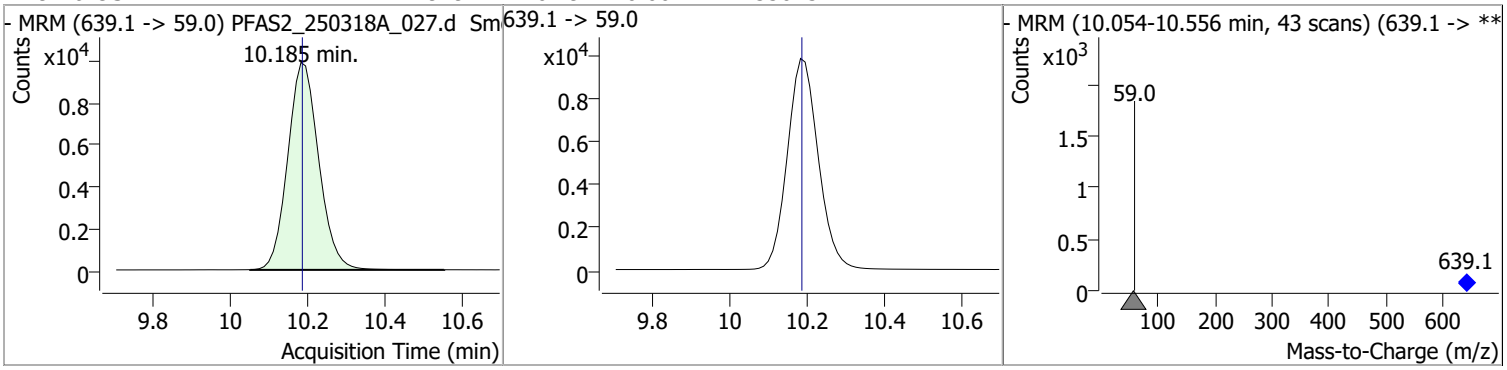
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2038	9.98	0.00	9058				



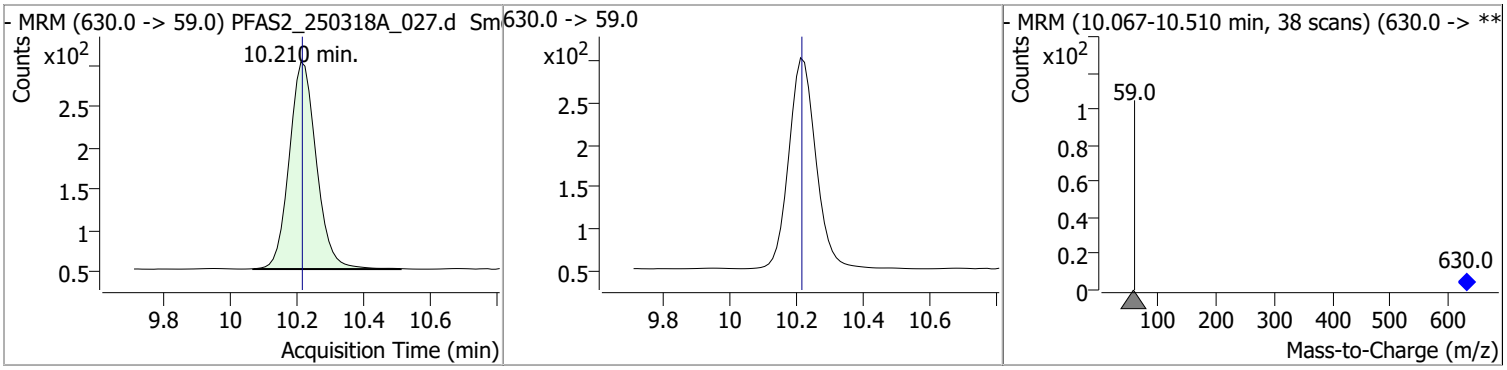
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



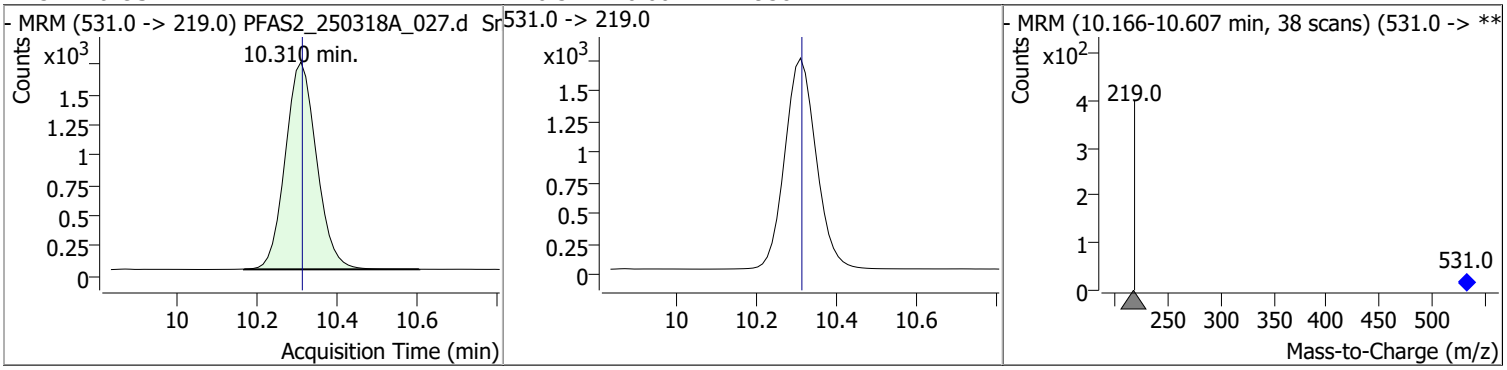
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.9197	10.19	0.00	55073				



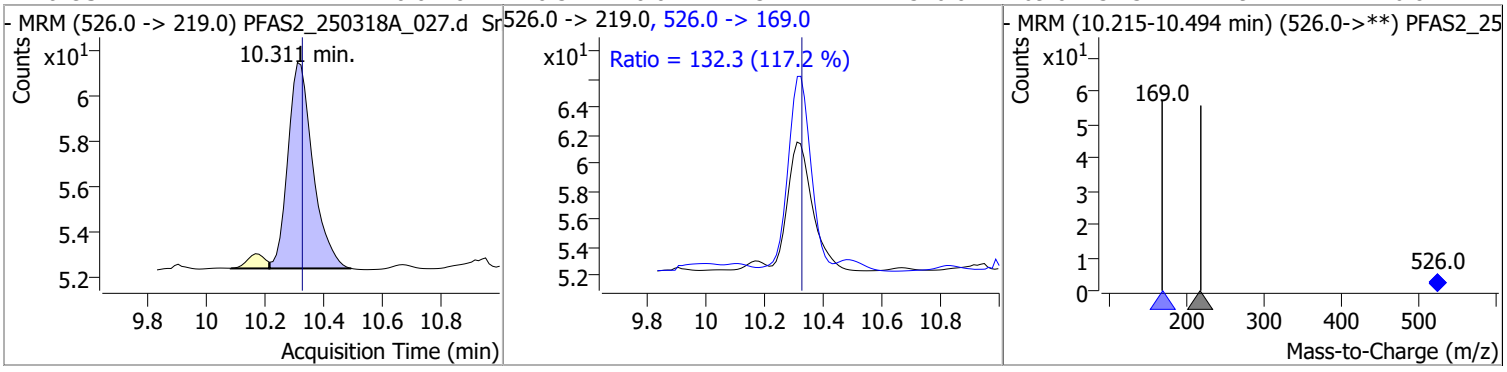
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.7312	10.21	0.00	1428				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1112	10.31	0.00	9384				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0148	10.31	-0.01	54	526.0 -> 169.0	132.3	79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_027.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:53:55 PM
Sample Name	O25C0550-03	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

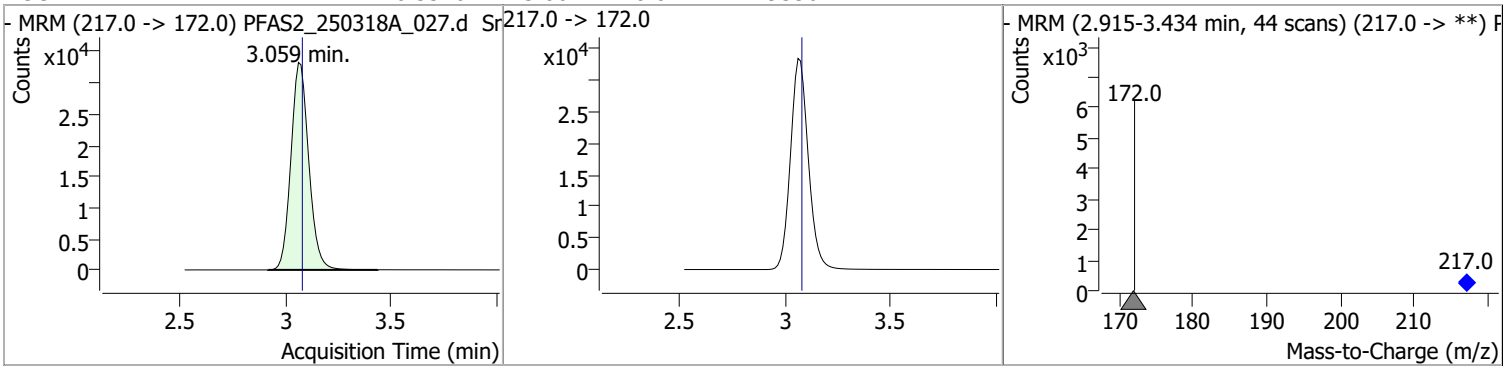
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	131102	5.0000	µg/L		-4.195
13C2-PFHxA	4.890	315.0 -> 270.0	146539	2.5000	µg/L		-4.488
18O2-PFHxS	5.955	403.0 -> 84.0	28843	2.5000	µg/L		-2.655
13C4-PFOA	5.823	417.0 -> 172.0	16233	2.5000	µg/L		5.082
13C5-PFNA	6.214	468.0 -> 423.0	76978	1.2500	µg/L		8.157
13C2-PFDA	6.603	515.0 -> 470.0	65471	1.2500	µg/L		-2.102
13C4-PFOS	6.771	503.0 -> 80.0	24627	2.5000	µg/L		-1.133
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	195367	10.0000	µg/L		-37.147
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 65.58%			
13C5-PFPeA	4.222	268.0 -> 223.0	188363	5.0000	µg/L		-8.967
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.32%			
13C5-PFPeA	4.222	268.0 -> 223.0	188363	5.0000	µg/L		-8.967
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.32%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27893	5.0000	µg/L		10.402
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.87%			
13C5-PFHxA	4.889	318.0 -> 273.0	142088	2.5000	µg/L		-15.847
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.09%			
13C5-PFHxA	4.889	318.0 -> 273.0	142088	2.5000	µg/L		-15.847
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.09%			
13C3-PFBS	4.929	302.0 -> 80.0	51115	2.5000	µg/L		-15.823
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.56%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163402	10.0000	µg/L		-6.505
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.88%			
13C4-PFHpA	5.397	367.0 -> 322.0	174704	2.5000	µg/L		-7.509
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	29802	2.5000	µg/L		-14.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.62%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14966	5.0000	µg/L	#	1.334
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.21%			
13C8-PFOA	5.823	421.0 -> 376.0	164993	2.5000	µg/L		-4.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.91%			
13C3-PFHxS	5.956	402.0 -> 80.0	29802	2.5000	µg/L		-14.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.62%			
13C9-PFNA	6.213	472.0 -> 427.0	67672	1.2500	µg/L		-3.963
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.75%			
13C8-PFOS	6.771	507.0 -> 80.0	22854	2.5000	µg/L		-9.608
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.46%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10574	5.0000	µg/L	#	-10.731
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.58%			
13C6-PFDA	6.603	519.0 -> 474.0	63337	1.2500	µg/L		-6.803
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.11%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	55065	5.0000	µg/L		-1.351
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.67%			
13C8-PFOS	6.771	507.0 -> 80.0	22854	2.5000	µg/L		-9.608

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.46%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	42489	5.0000	µg/L		0.758
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.86%			
13C7-PFUnDA	6.978	570.0 -> 525.0	50996	1.2500	µg/L		-4.864
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.17%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	37311	1.2500	µg/L		-15.423
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.25%			
13C2-PFDoDA	7.355	615.0 -> 570.0	39274	1.2500	µg/L		-1.681
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.44%			
13C2-PFTDA	8.080	715.0 -> 670.0	35348	1.2500	µg/L		-26.792
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 74.55%			
13C8-PFOSA	8.780	506.0 -> 78.0	31544	2.5000	µg/L		-14.656
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.15%			
2H7-MeFOSE	9.853	623.1 -> 59.0	64744	25.0000	µg/L		-48.470
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 52.16%			
2H3-N-MeFOSA	9.979	515.0 -> 219.0	9058	2.5000	µg/L		-12.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.15%			
2H9-EtFOSE	10.185	639.1 -> 59.0	55073	25.0000	µg/L		-13.284
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 87.68%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9384	2.5000	µg/L		-16.518
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.45%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	238	0.0950	µg/L		100
PFMPA	3.614	229.0 -> 85.0	14	0.0558	µg/L		100
3-3 FTCA	4.301	241.0 -> 177.0	14	0.0000	µg/L		21
PFPeA	4.235	263.0 -> 219.0	685	0.0443	µg/L		100
PFMBA	4.465	279.0 -> 85.0	16	0.0343	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	20	0.0012	µg/L		41
NFDHA	4.823	295.0 -> 201.0	26	0.0250	µg/L		91
PFHxA	4.892	313.0 -> 269.0	320	0.0063	µg/L	#	86
PFBS	4.930	298.9 -> 80.0	490	0.0231	µg/L		96
HFPO-DA	5.087	285.0 -> 169.0	109	0.0075	µg/L	#	51
PFEESA	5.212	314.9 -> 135.0	89	0.0528	µg/L	#	63
PFHpA	5.386	363.0 -> 319.0	1150	0.0383	µg/L	#	74
5-3 FTCA	5.435	341.0 -> 237.0	99	0.2019	µg/L		71
PFPeS	5.328	348.9 -> 80.0	58	0.0036	µg/L	#	42
DONA	5.515	377.0 -> 251.0	37	0.0679	µg/L		46
6-2 FTSA	5.631	427.0 -> 407.0	100	0.1195	µg/L		96
PFOA	5.824	413.0 -> 369.0	754	0.0479	µg/L		94
PFHxS	5.957	398.9 -> 80.0	196	0.0169	µg/L	#	76
PFNA	6.796	463.0 -> 419.0	1941	0.0435	µg/L		89
PFHpS	6.275	448.9 -> 80.0	18	0.0019	µg/L		26
8-2 FTSA	6.424	527.0 -> 507.0	38	0.0803	µg/L		47
7-3 FTCA	7.117	441.0 -> 317.0	139	0.2908	µg/L	#	1
PFDA	0.000		0	N.D.			
N-MeFOSAA	6.683	570.0 -> 419.0	35	0.0117	µg/L	#	78
PFOS	6.772	498.9 -> 80.0	479	0.0831	µg/L	#	73
N-EtFOSAA	6.929	584.0 -> 419.0	47	0.0170	µg/L		24
PFUnDA	6.896	563.0 -> 519.0	84	0.0154	µg/L	#	70
9Cl-PF3ONS	6.921	530.9 -> 350.9	54	0.0660	µg/L		44
PFNS	7.123	548.9 -> 80.0	51	0.0065	µg/L	#	62
PFDoDA	7.356	613.0 -> 569.0	160	0.0056	µg/L		95
PFDS	7.442	598.9 -> 80.0	35	0.0060	µg/L	#	70
PFTrDA	7.724	663.0 -> 619.0	293	0.0104	µg/L		97

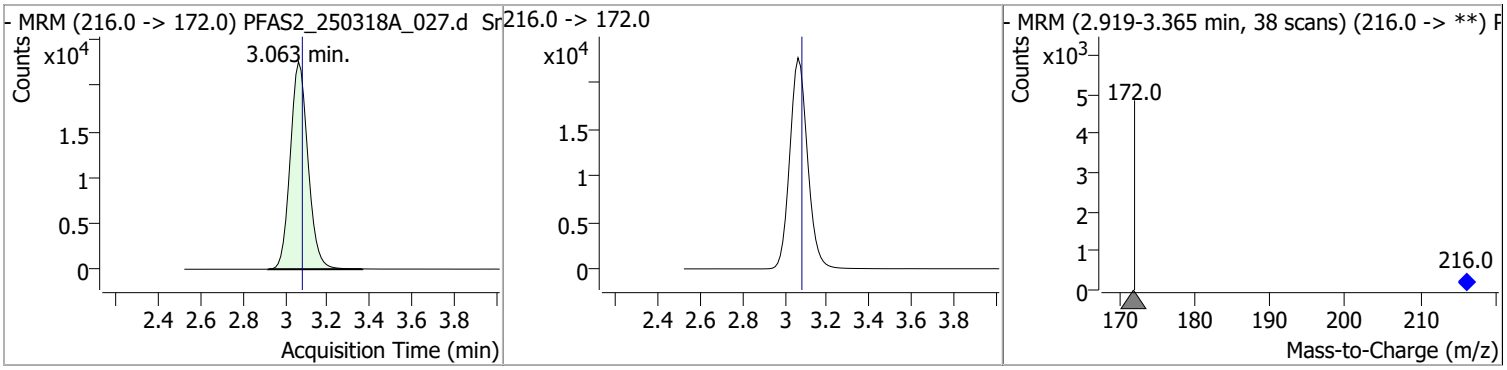
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	135	0.0063	µg/L	#	70
PFTDA	8.081	712.9 -> 669.0	411	0.0247	µg/L		97
PFDoS	8.228	698.9 -> 80.0	35	0.0086	µg/L	#	68
PFOSA	8.783	497.9 -> 78.0	47	0.0042	µg/L		89
MeFOSE	9.878	616.0 -> 59.0	1122	0.5293	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	13	0.0038	µg/L	#	48
EtFOSE	10.210	630.0 -> 59.0	1428	0.7312	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	54	0.0148	µg/L		82

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

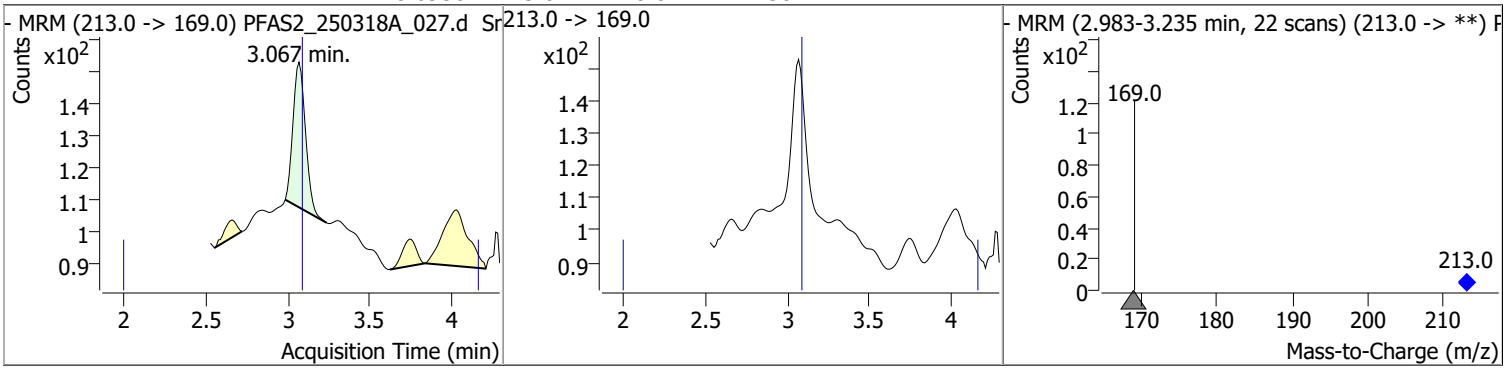
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.5576	3.06	-0.01	195367				



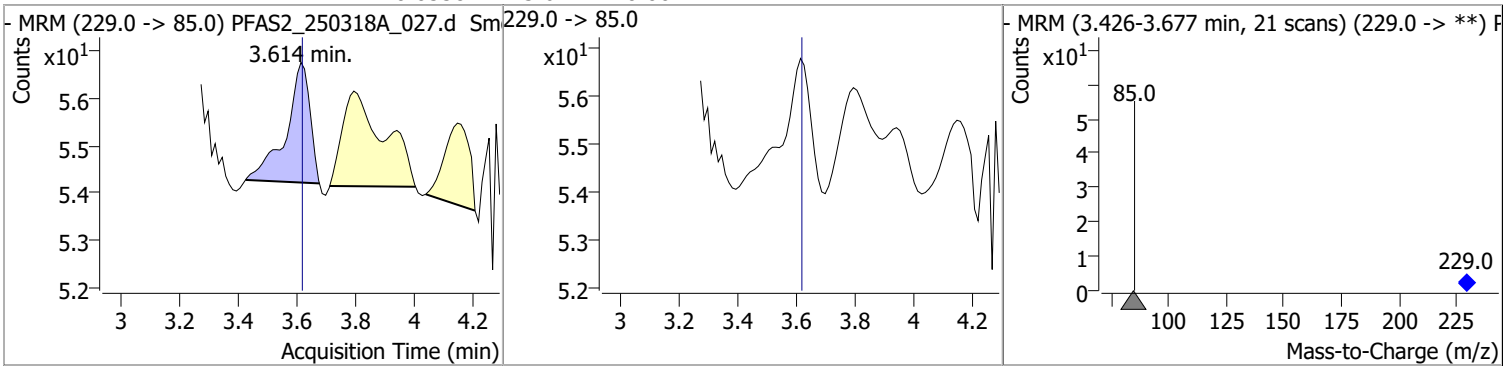
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	131102				



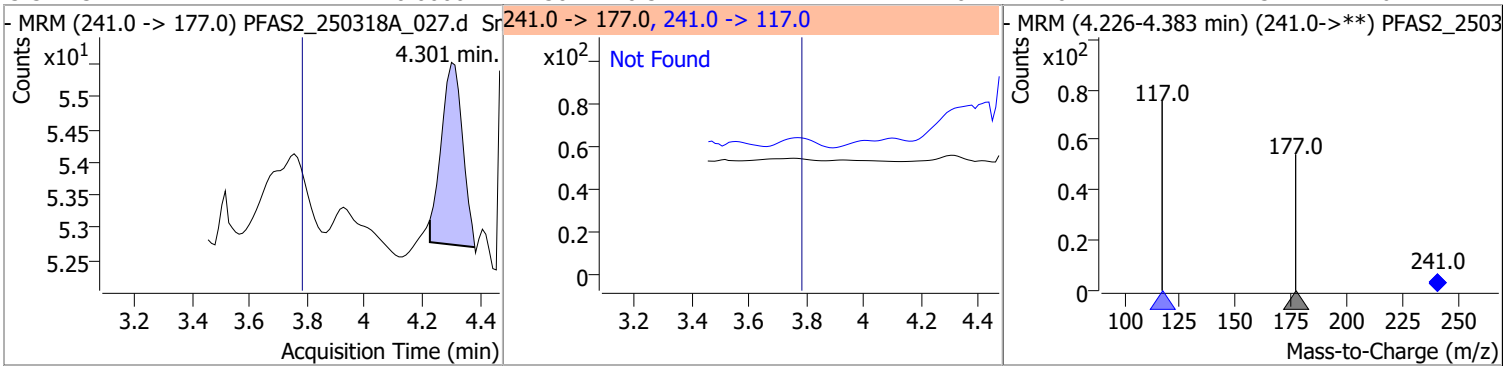
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0950	3.07	-0.01	238				



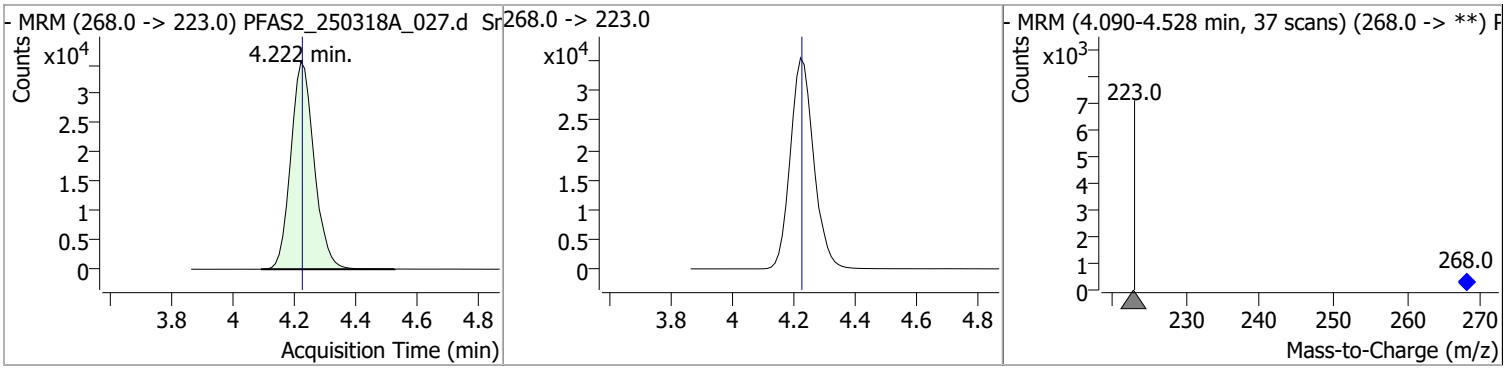
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0558	3.61	0.00	14				



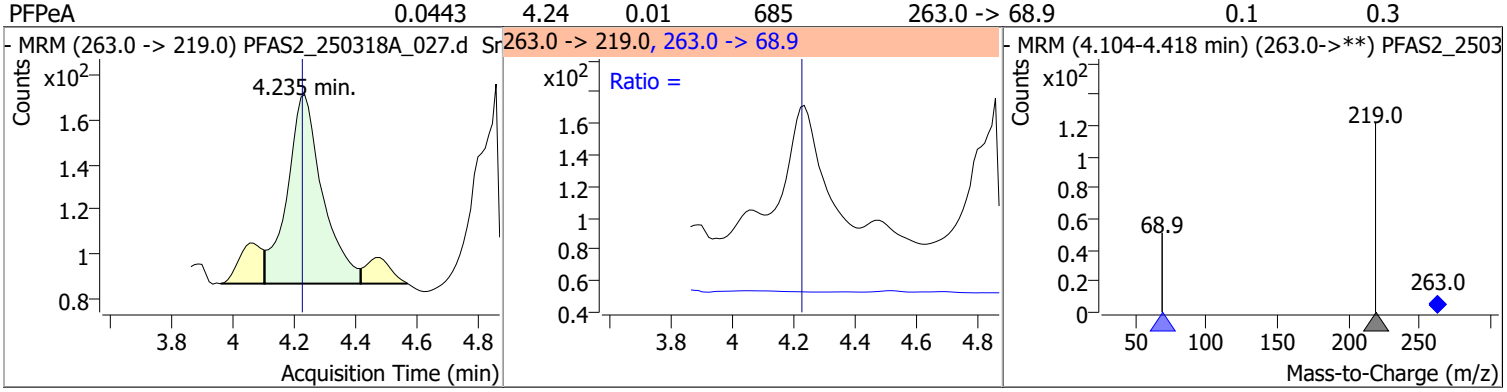
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	4.30	0.52	14	241.0 -> 117.0		41.3	76.7



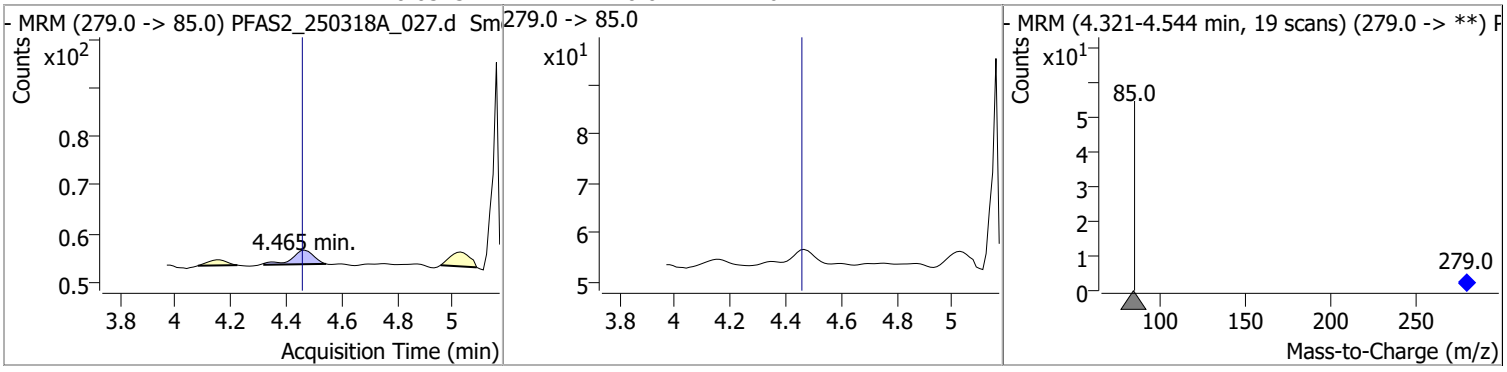
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7658	4.22	0.00	188363				



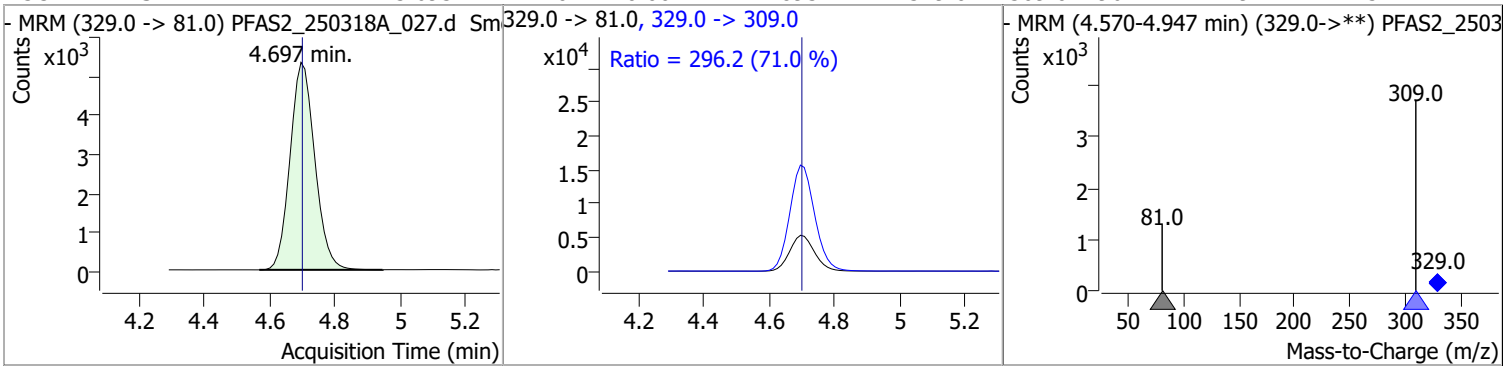
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0443	4.24	0.01	685	263.0 -> 68.9		0.1	0.3



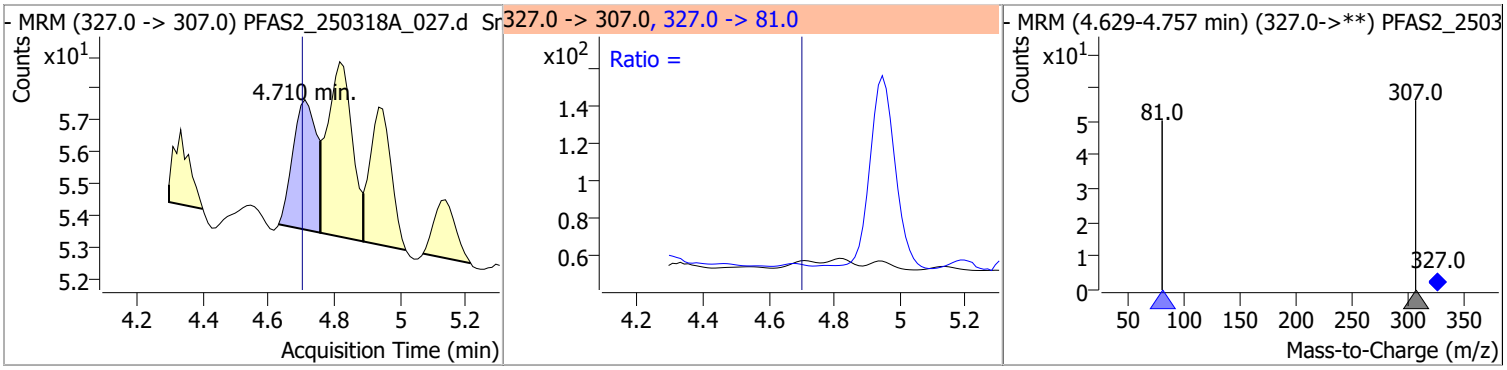
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0343	4.47	0.01	16				



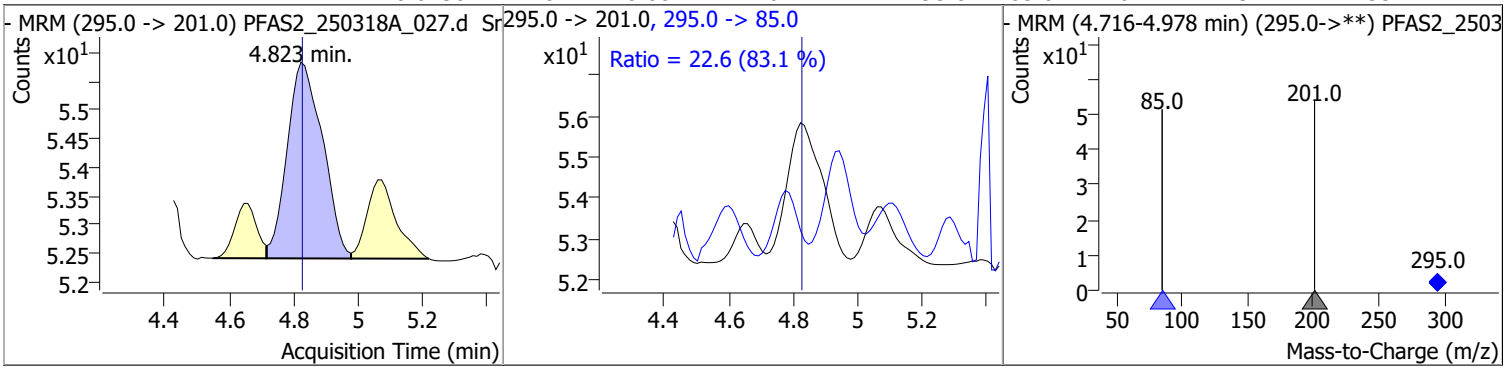
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6937	4.70	0.00	27893	329.0 -> 309.0	296.2	292.1	542.4



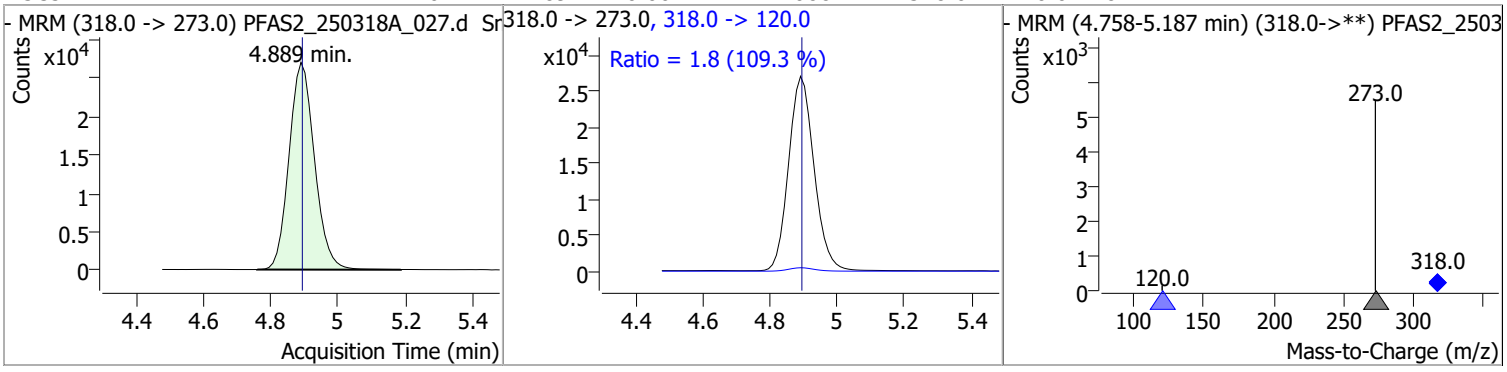
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0012	4.71	0.01	20	327.0 -> 81.0		23.6	43.9



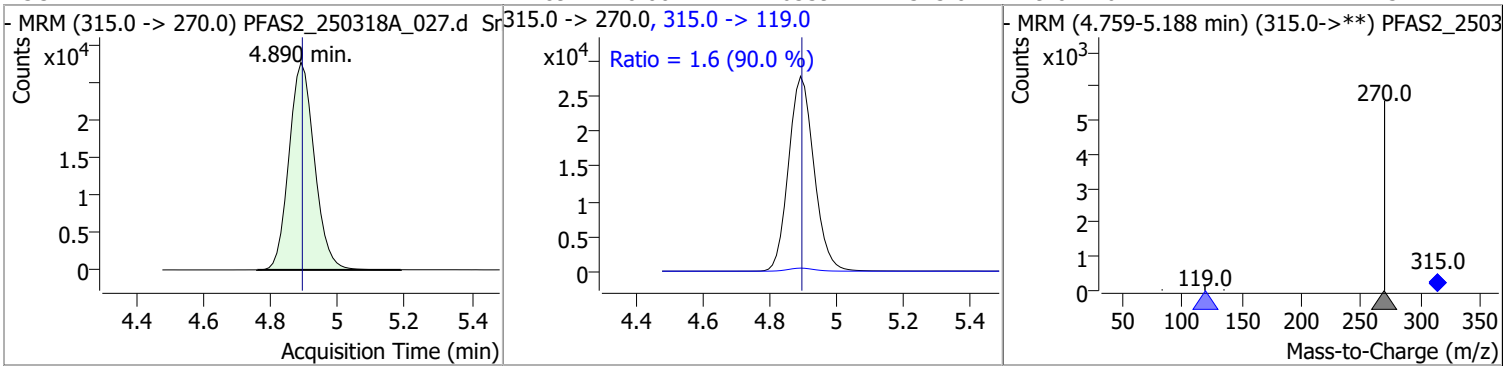
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0250	4.82	0.00	26	295.0 -> 85.0	22.6	19.1	35.4



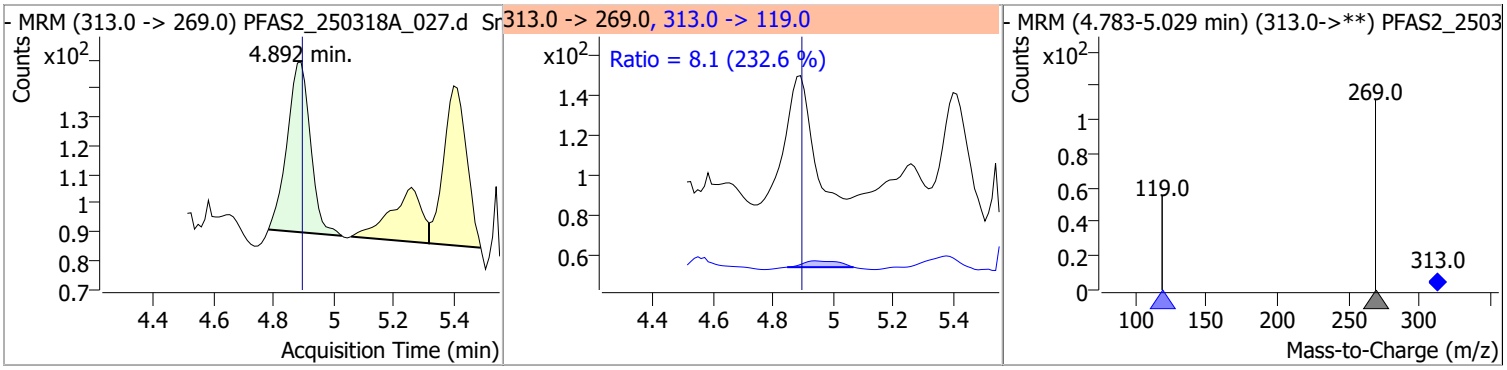
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2022	4.89	0.00	142088	318.0 -> 120.0	1.8	1.1	2.1



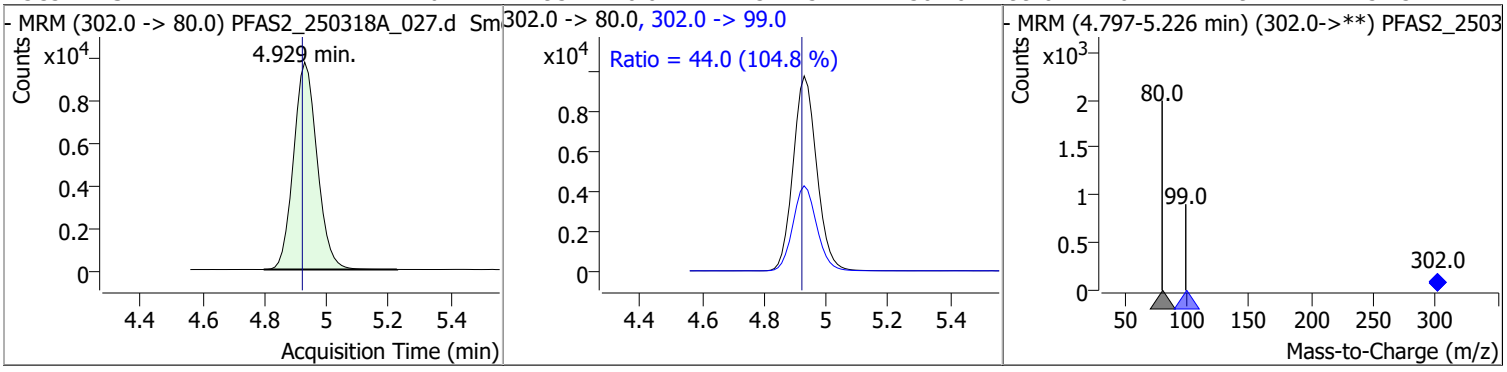
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	146539	315.0 -> 119.0	1.6	1.2	2.3



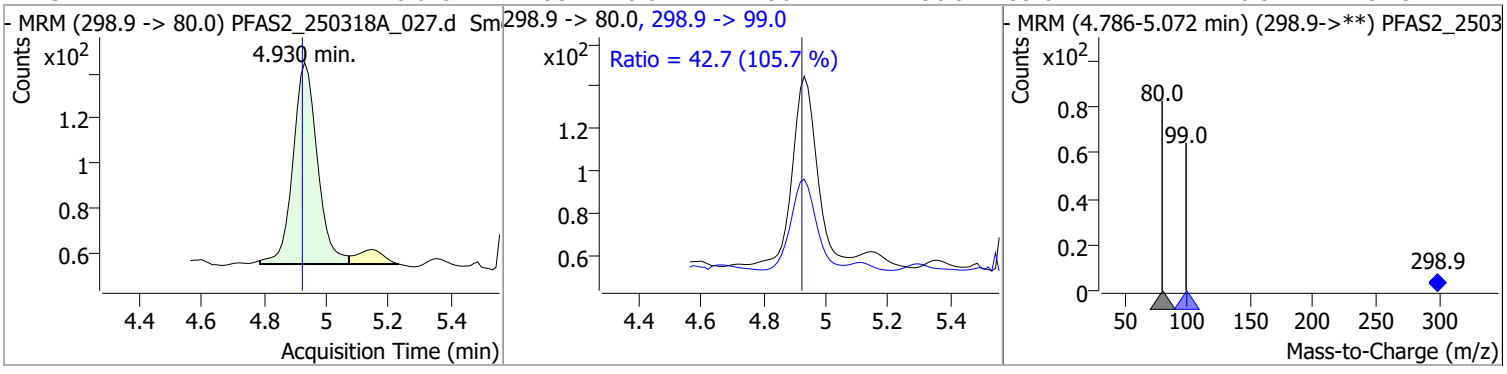
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0063	4.89	0.00	320	313.0 -> 119.0	8.1	2.4	4.5



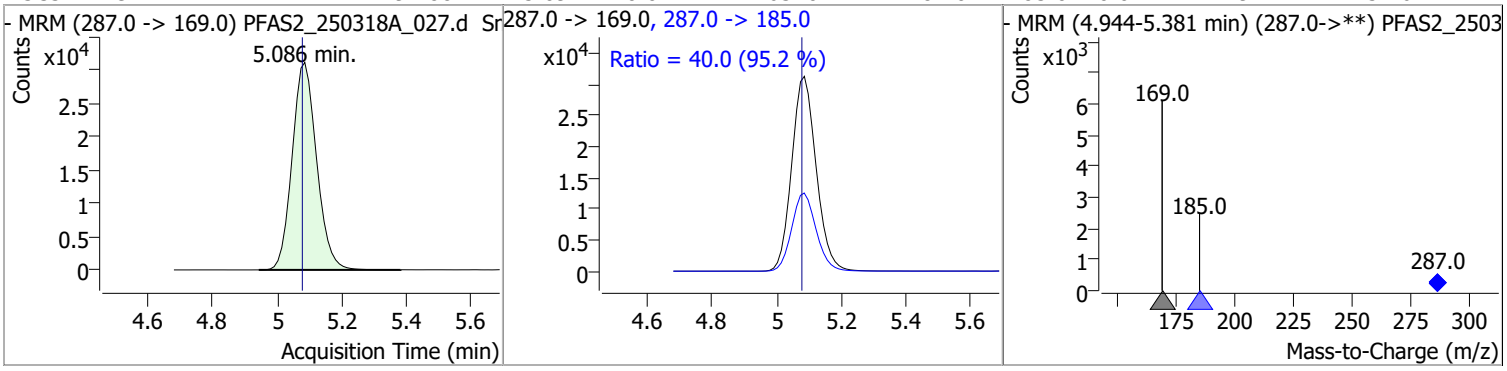
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1641	4.93	0.01	51115	302.0 -> 99.0	44.0	29.4	54.5



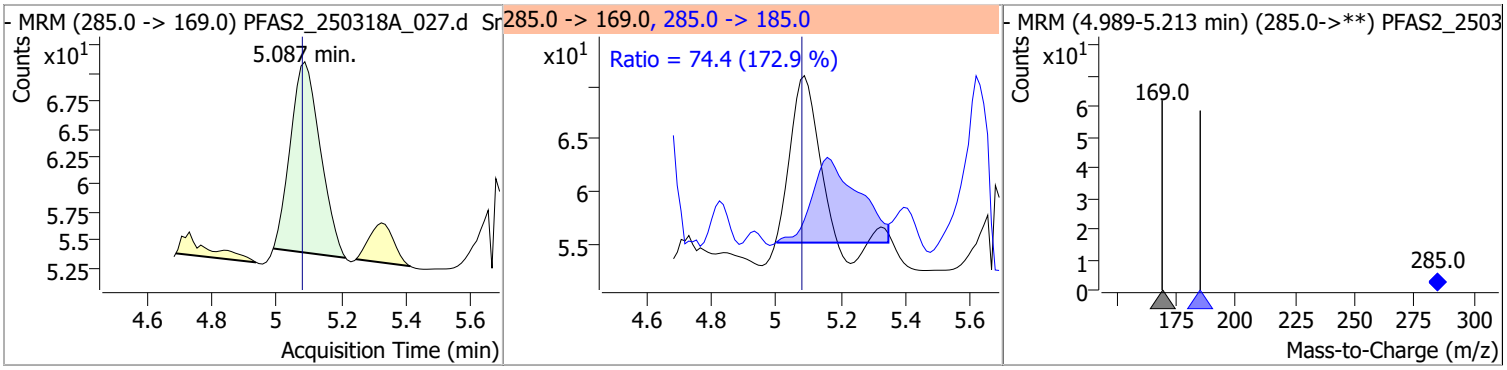
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0231	4.93	0.01	490	298.9 -> 99.0	42.7	28.3	52.5



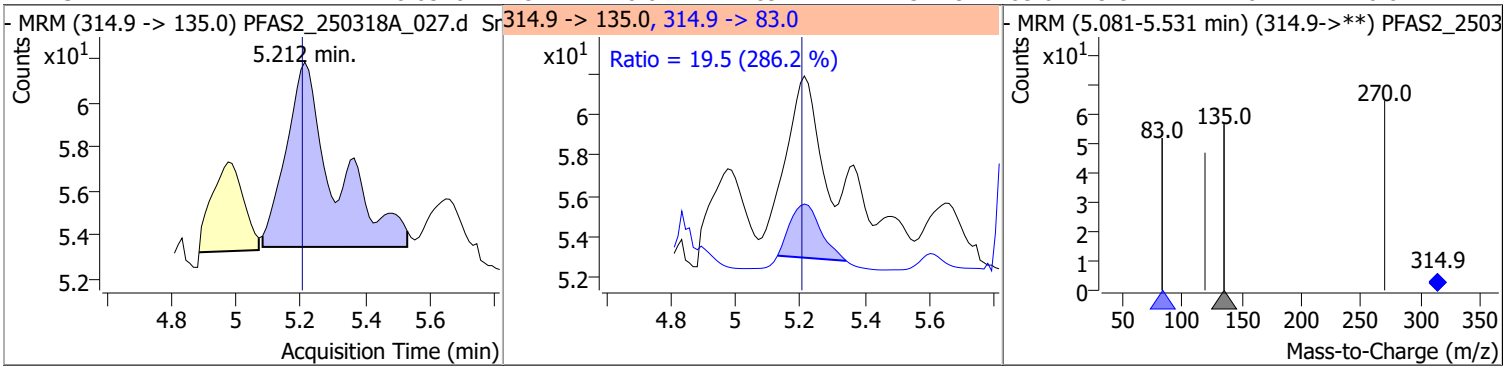
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7884	5.09	0.01	163402	287.0 -> 185.0	40.0	29.4	54.6



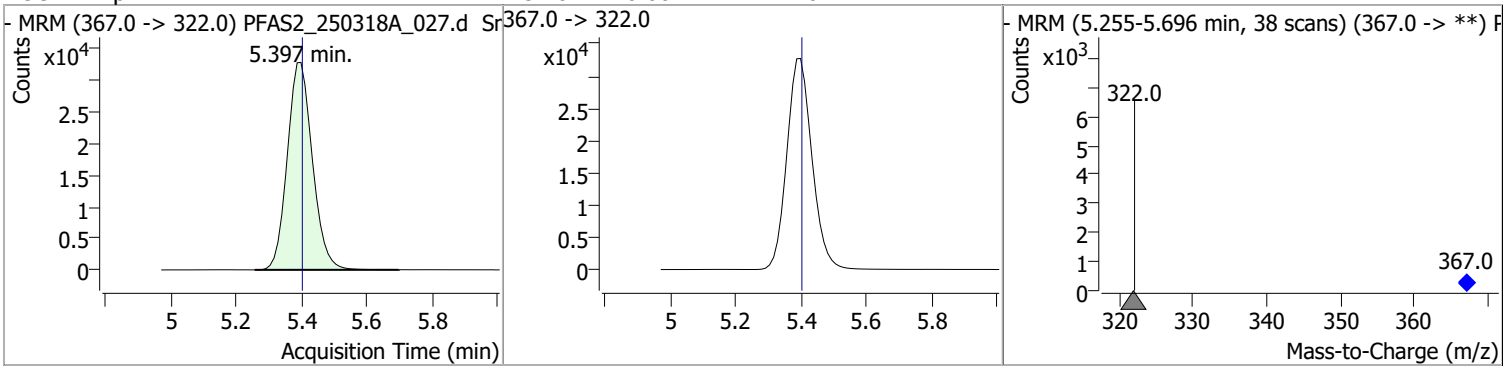
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0075	5.09	0.01	109	285.0 -> 185.0	74.4	30.1	56.0



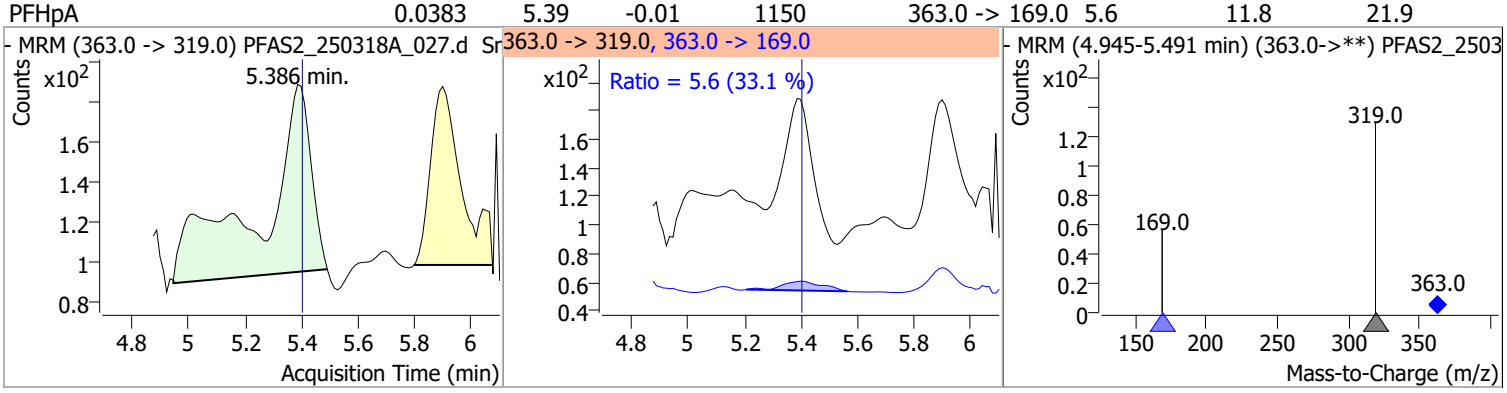
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0528	5.21	0.01	89	314.9 -> 83.0	19.5	4.8	8.8



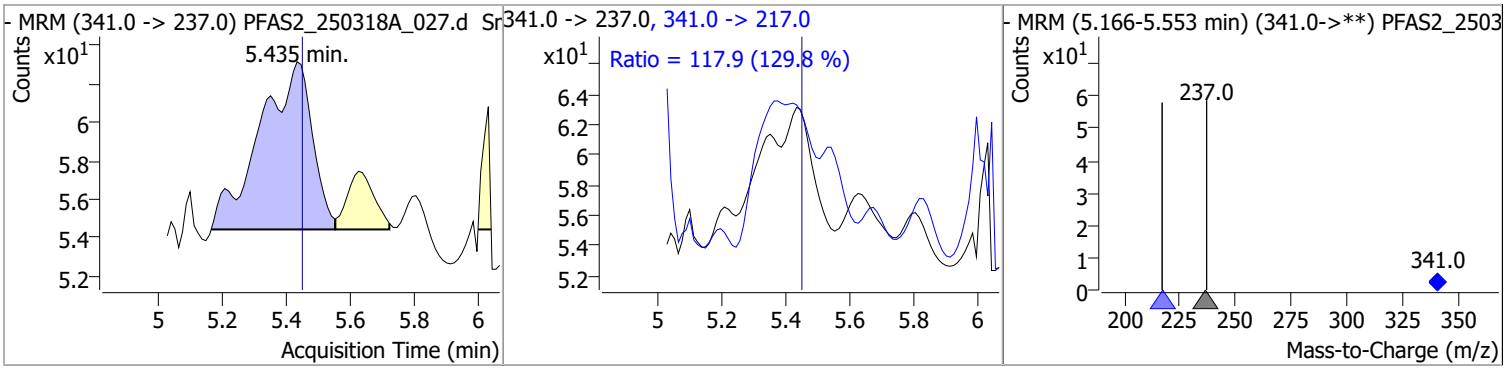
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4217	5.40	0.00	174704				



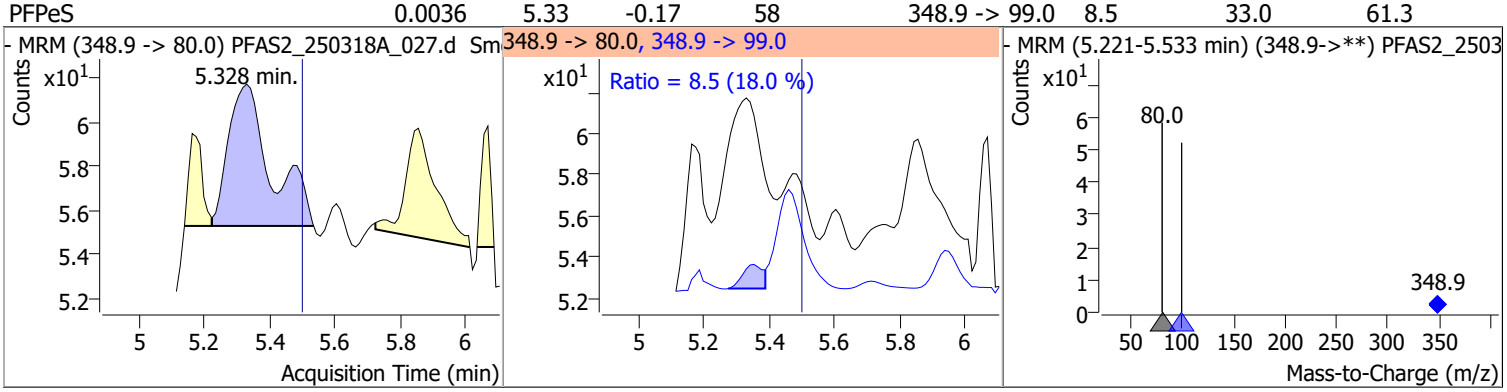
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0383	5.39	-0.01	1150	363.0 -> 169.0	5.6	11.8	21.9



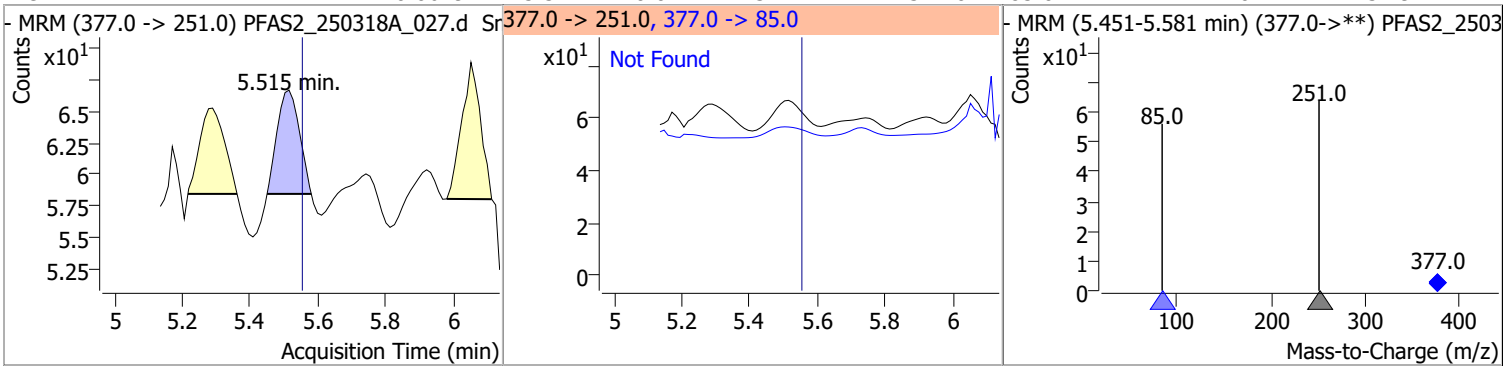
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2019	5.43	-0.01	99	341.0 -> 217.0	117.9	63.6	118.1



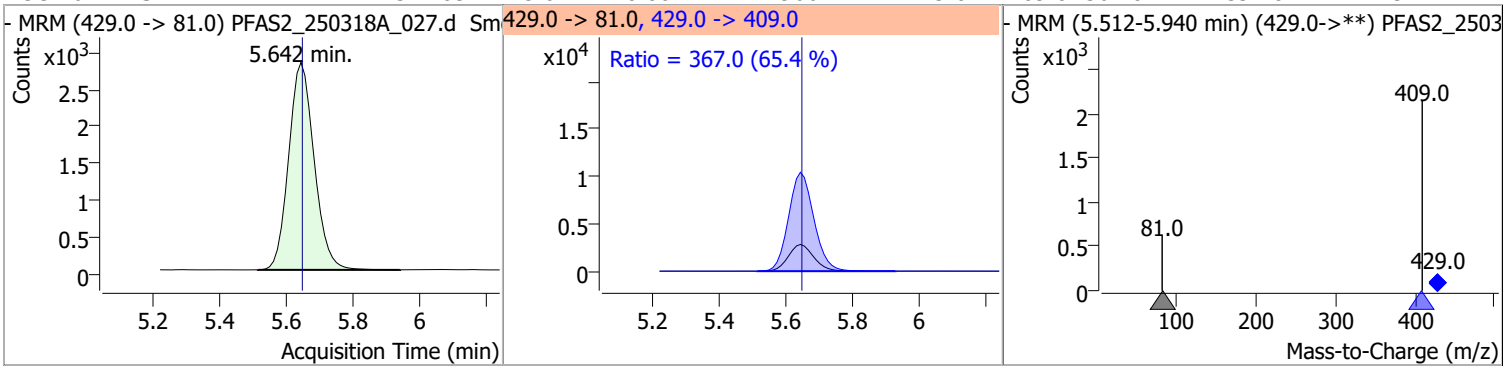
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0036	5.33	-0.17	58	348.9 -> 99.0	8.5	33.0	61.3



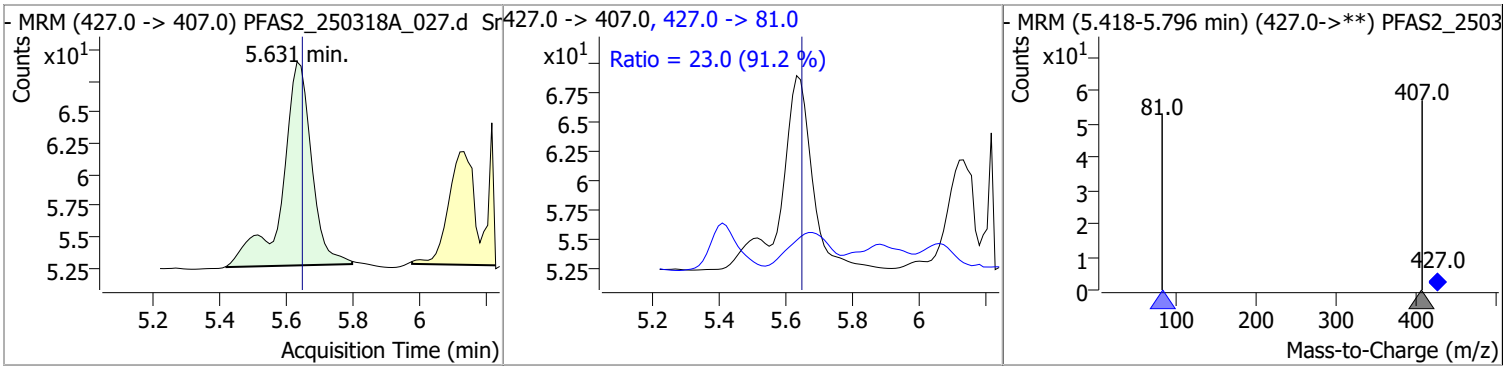
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0679	5.52	-0.04	37	377.0 -> 85.0		20.4	37.9



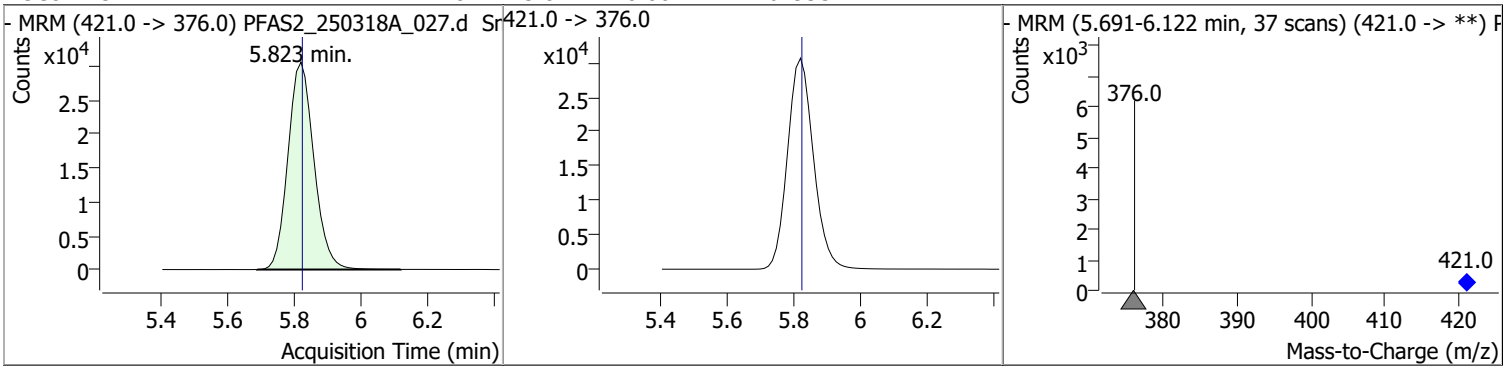
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2105	5.64	0.00	14966	429.0 -> 409.0	367.0	392.8	729.4



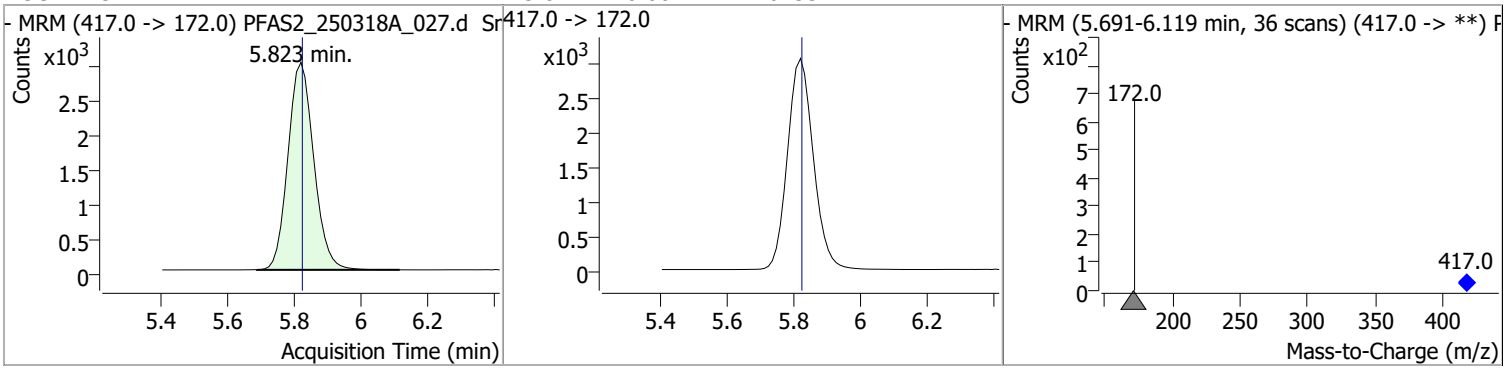
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1195	5.63	-0.01	100	427.0 -> 81.0	23.0	17.7	32.8



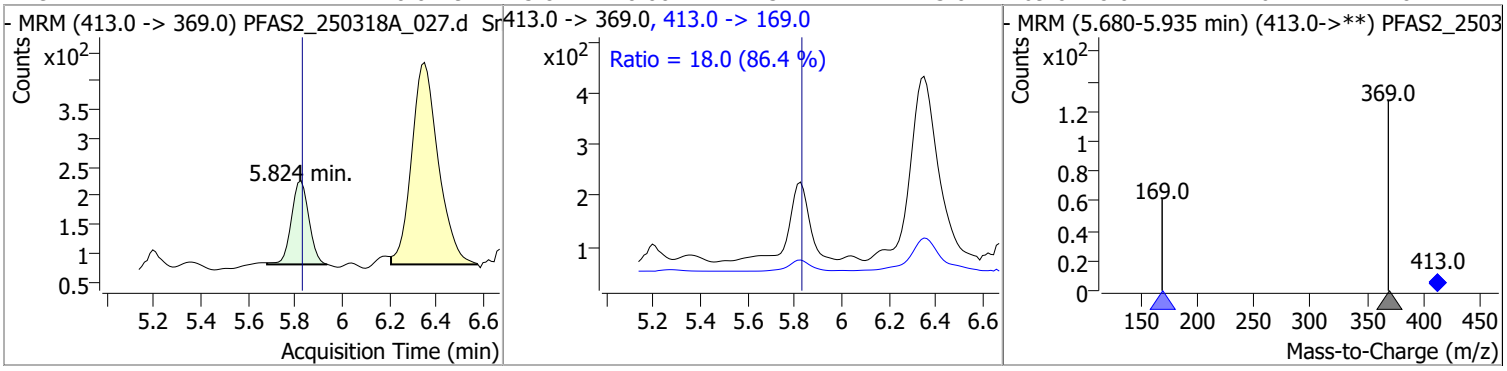
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2728	5.82	0.00	164993				



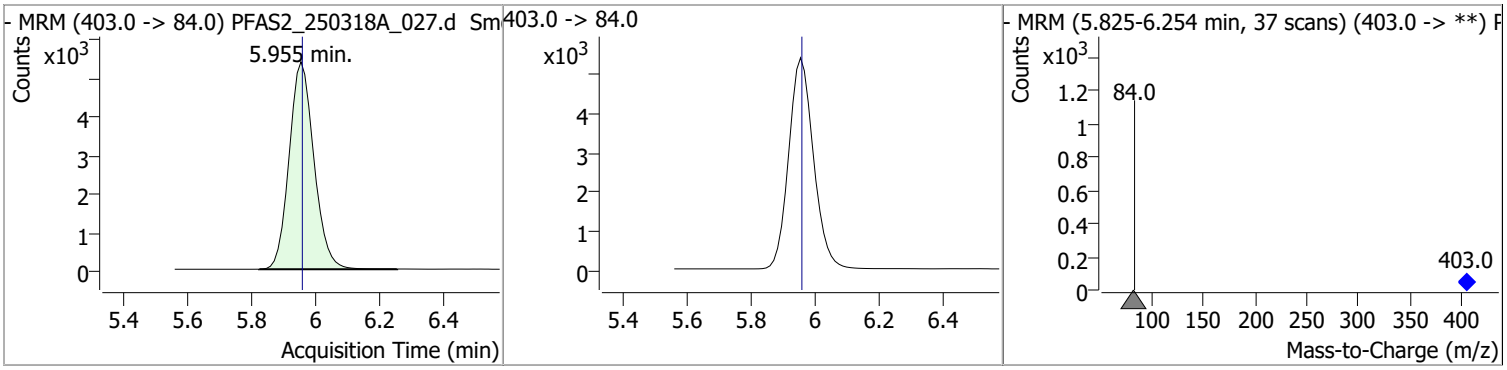
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16233				



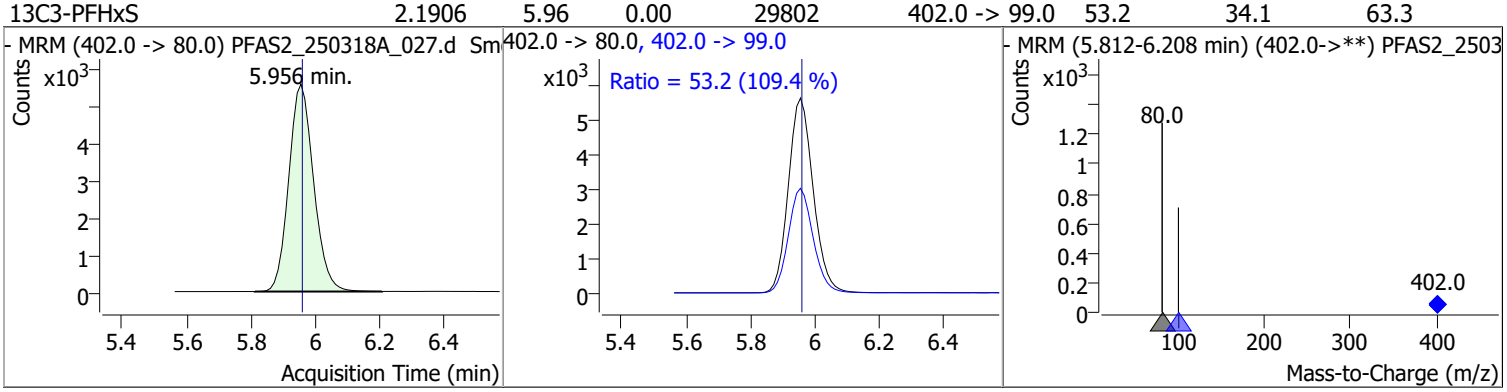
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0479	5.82	0.00	754	413.0 -> 169.0	18.0	14.6	27.0



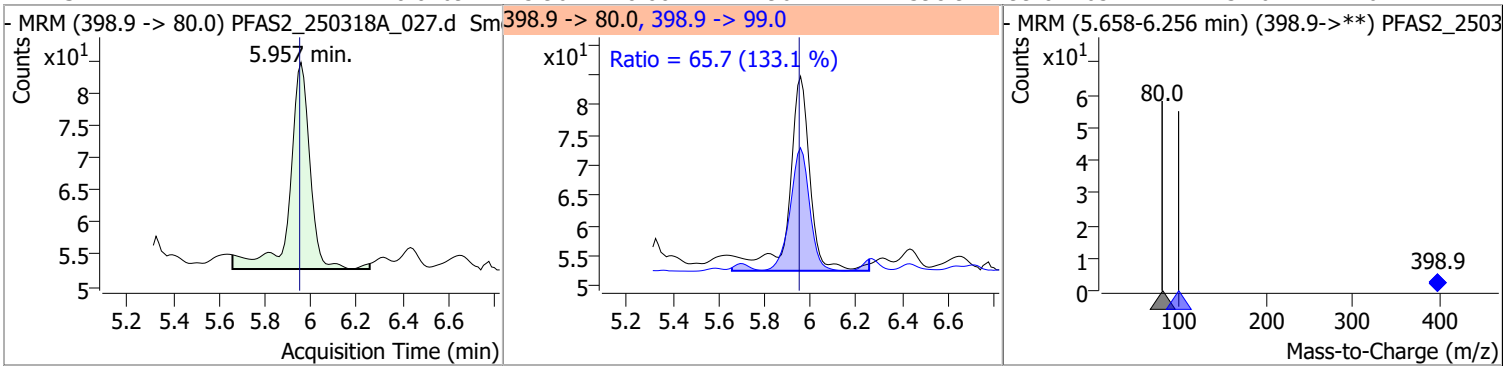
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28843				



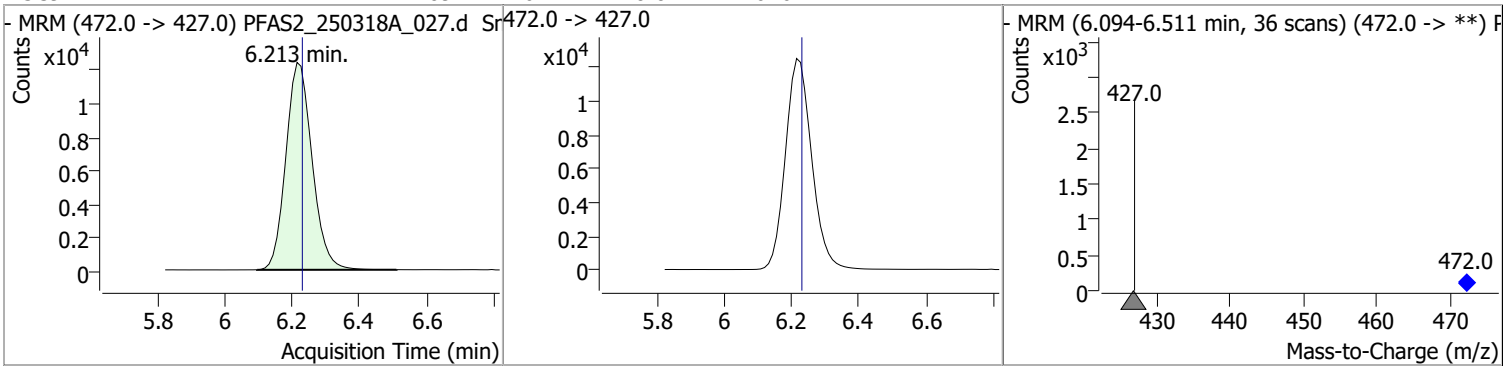
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.1906	5.96	0.00	29802	402.0 -> 99.0	53.2	34.1	63.3



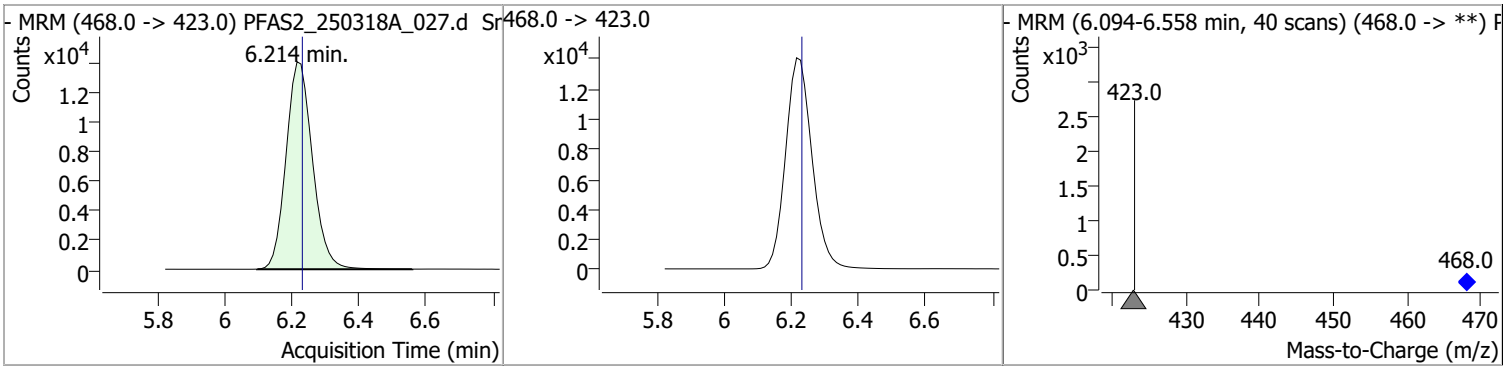
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0169	5.96	0.00	196	398.9 -> 99.0	65.7	34.6	64.2



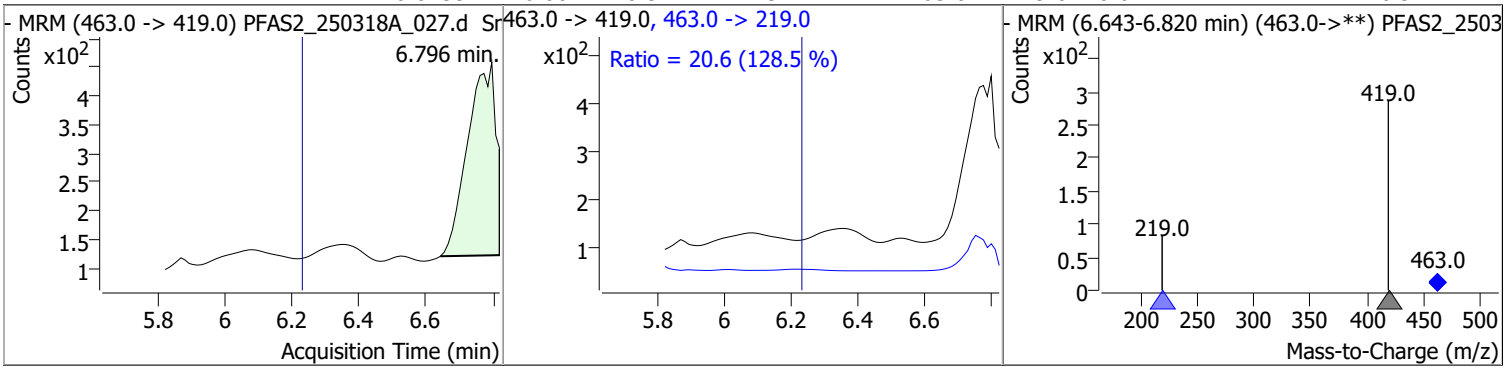
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1094	6.21	-0.01	67672				



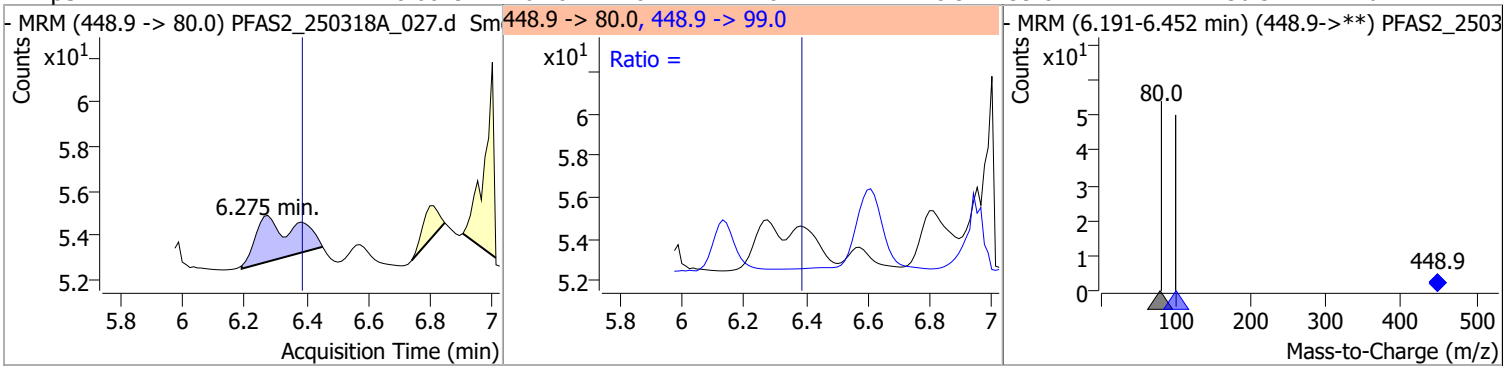
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	76978				



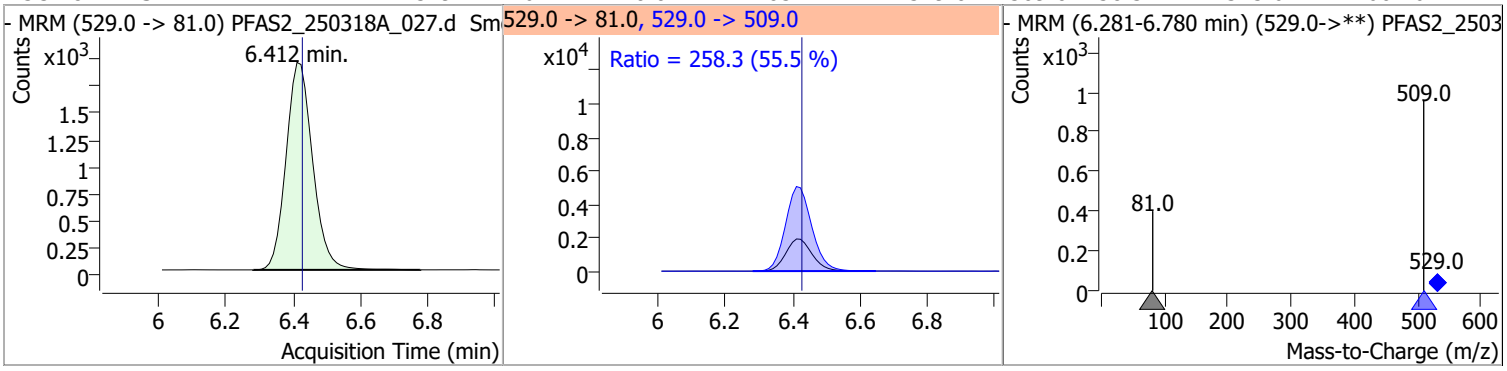
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0435	6.80	0.57	1941	463.0 -> 219.0	20.6	11.2	20.9



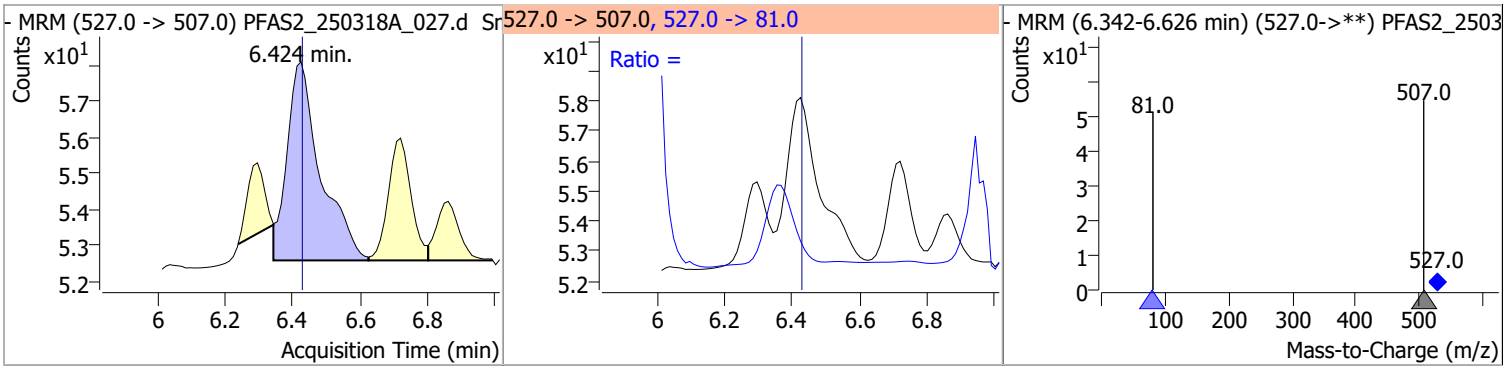
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0019	6.28	-0.11	18	448.9 -> 99.0		36.5	67.7



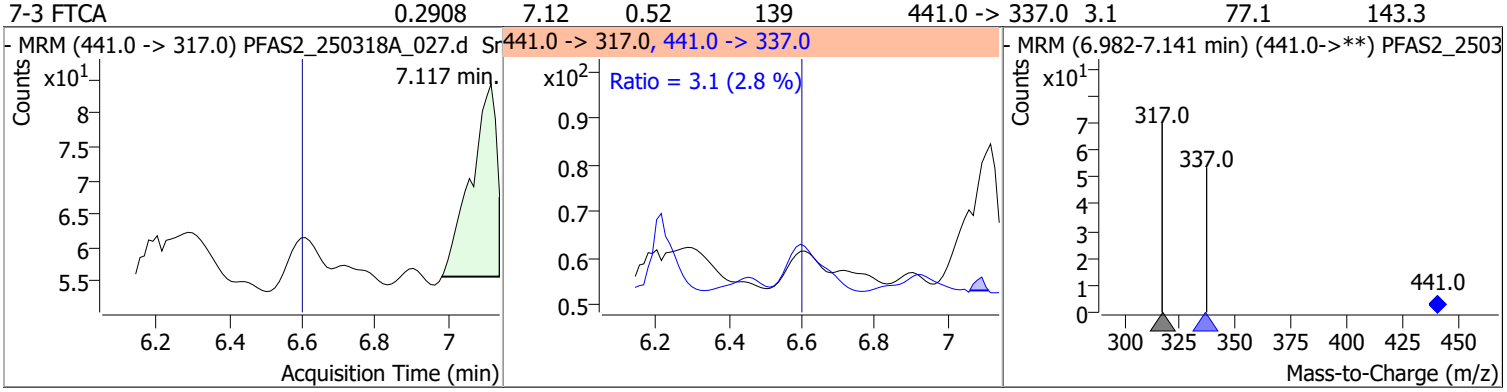
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5792	6.41	-0.01	10574	529.0 -> 509.0	258.3	325.6	604.6



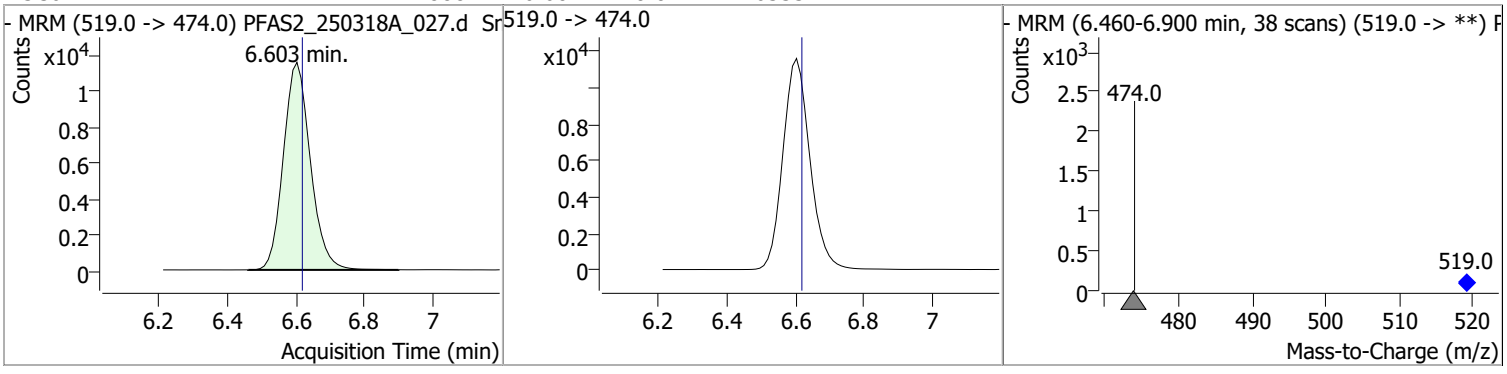
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0803	6.42	0.00	38	527.0 -> 81.0		19.7	36.6



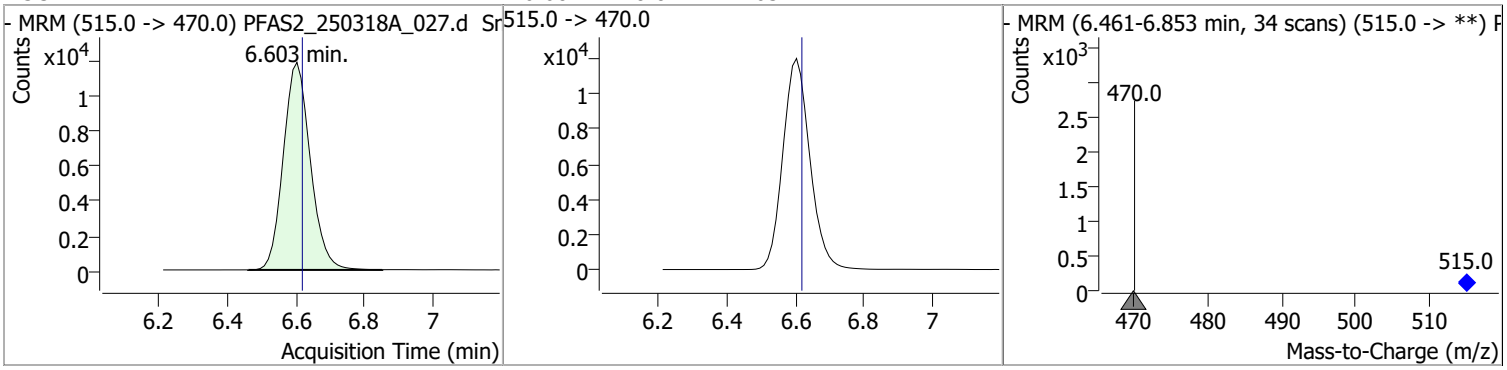
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2908	7.12	0.52	139	441.0 -> 337.0	3.1	77.1	143.3



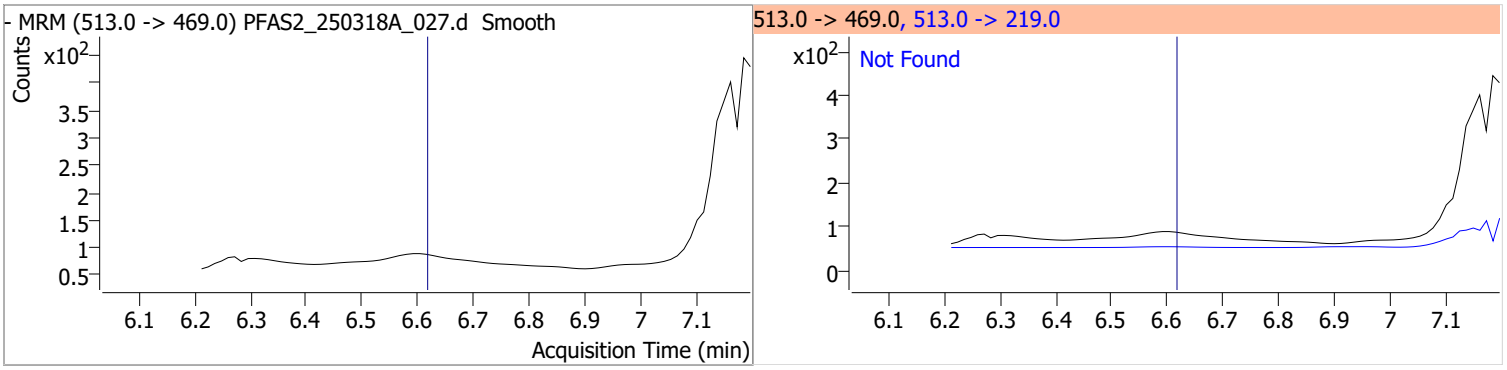
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1888	6.60	-0.01	63337				



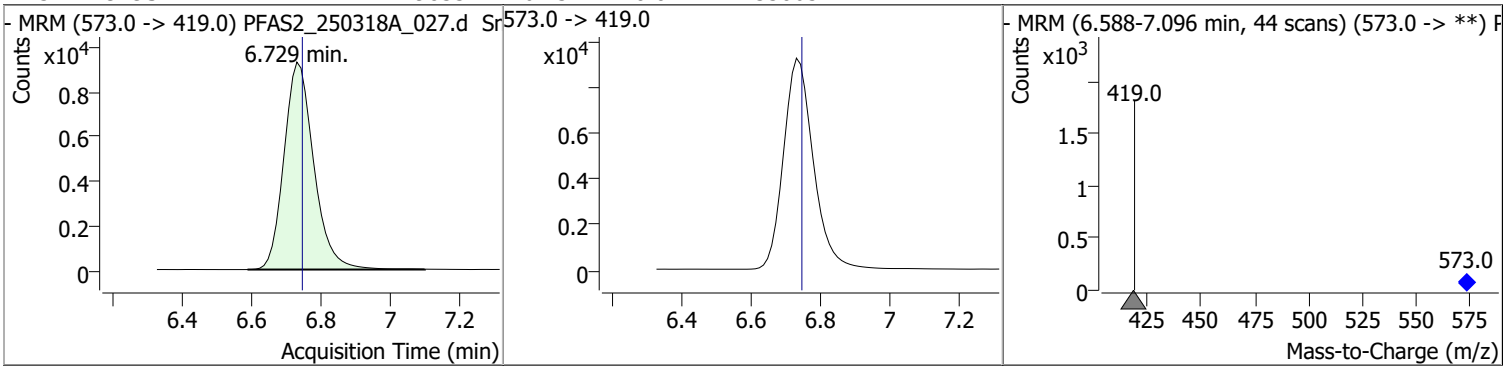
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	65471				



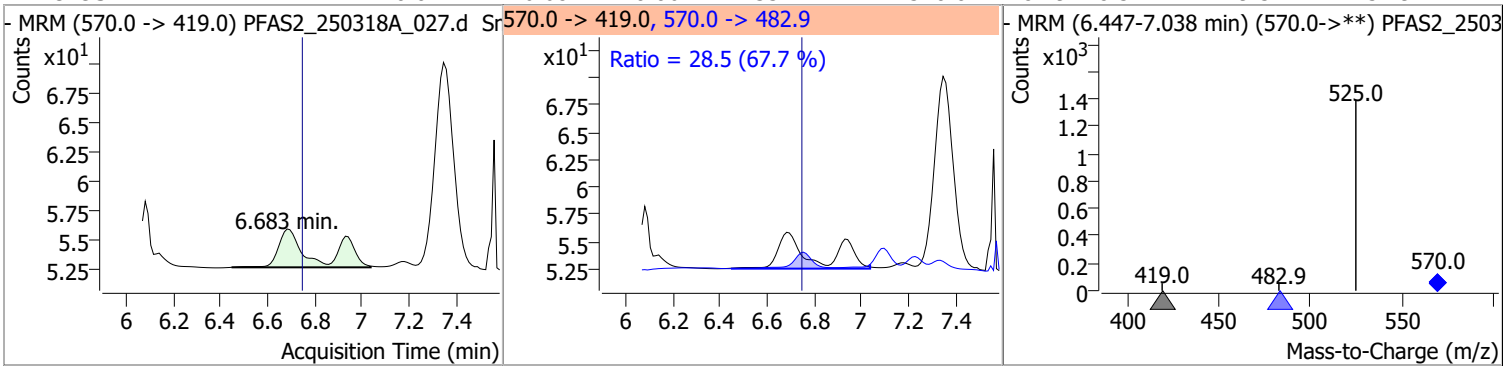
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDA	N.D.	6.62	513.0 -> 219.0	12.5



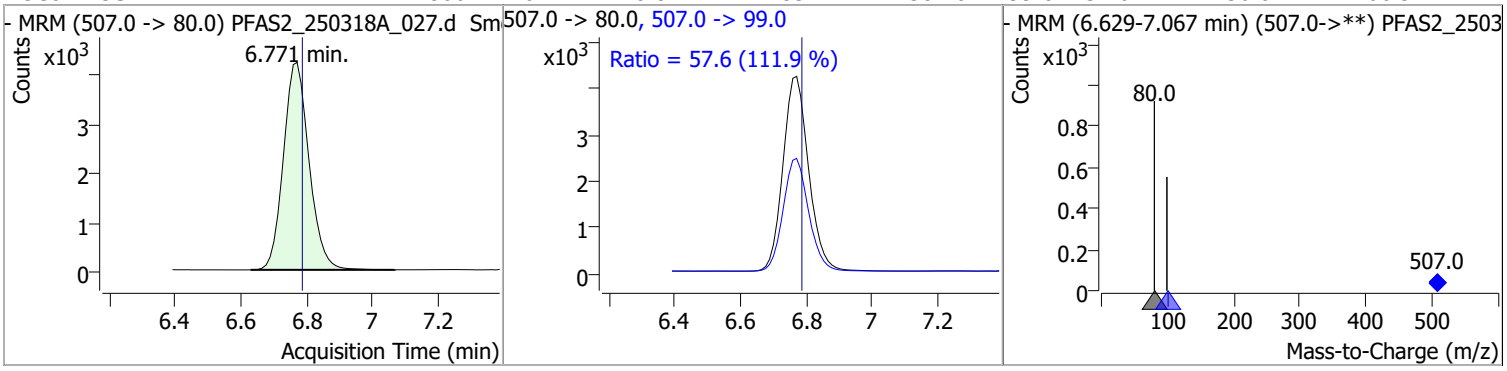
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9833	6.73	-0.01	55065				



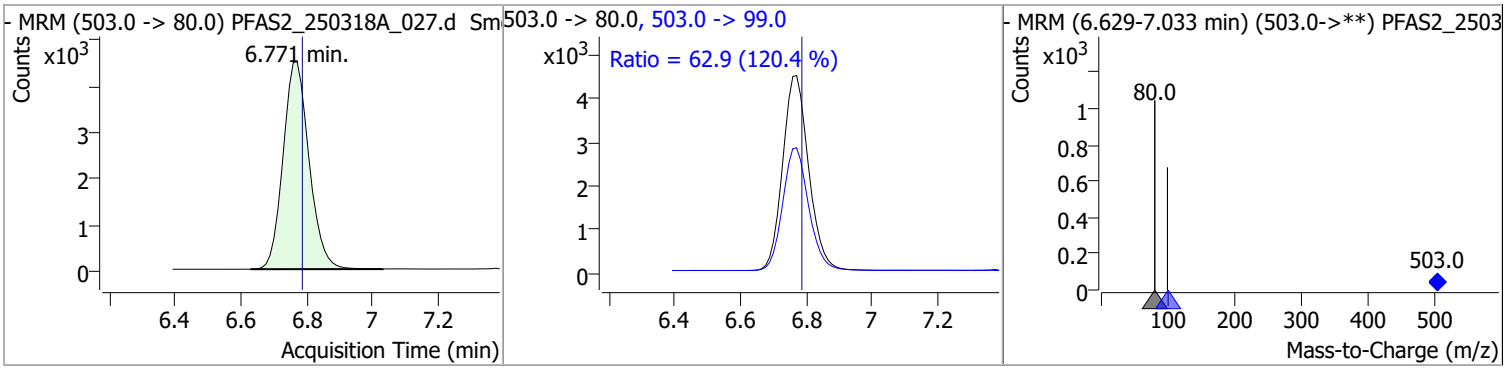
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0117	6.68	-0.06	35	570.0 -> 482.9	28.5	29.5	54.9



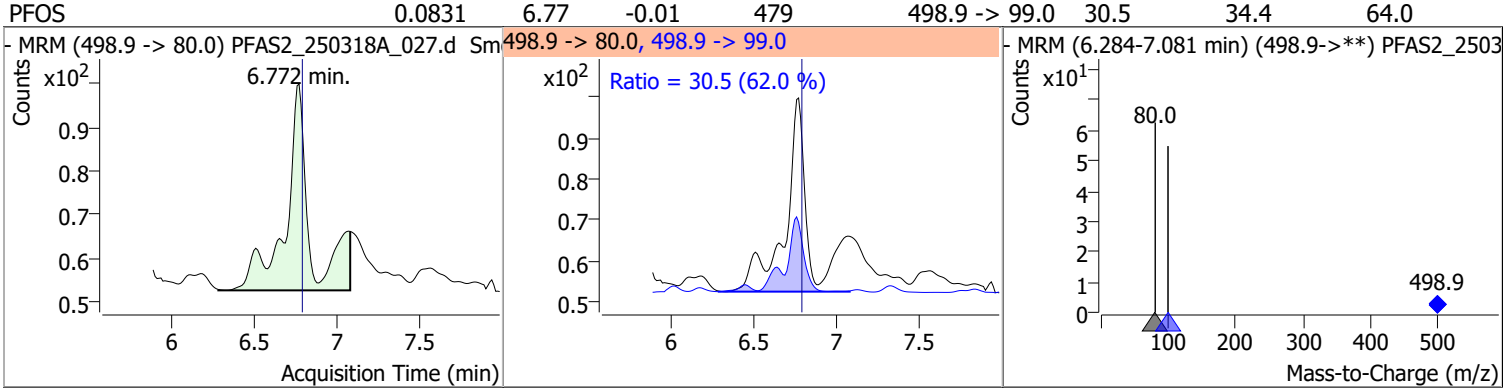
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2866	6.77	-0.01	22854	507.0 -> 99.0	57.6	36.0	66.9



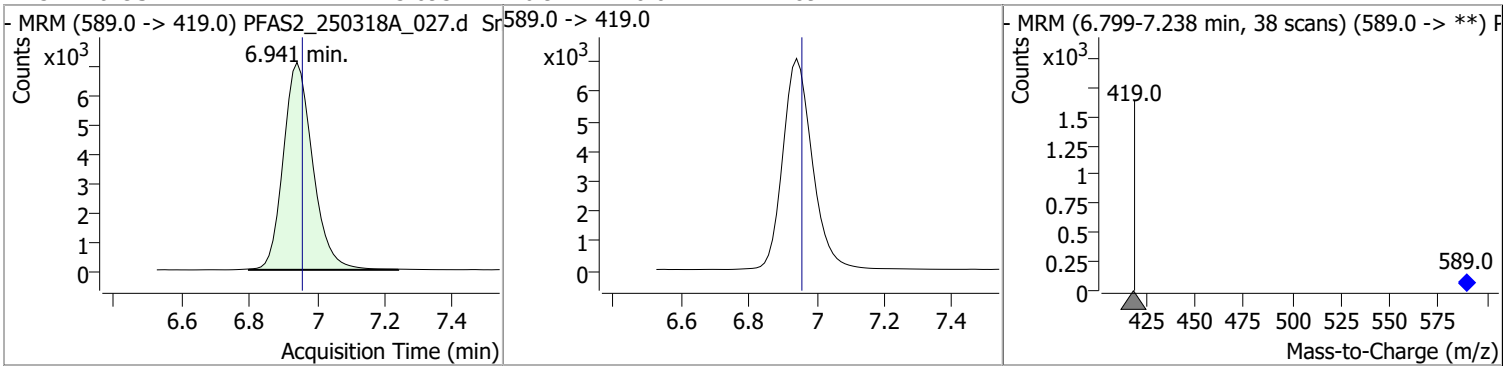
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24627	503.0 -> 99.0	62.9	36.6	67.9



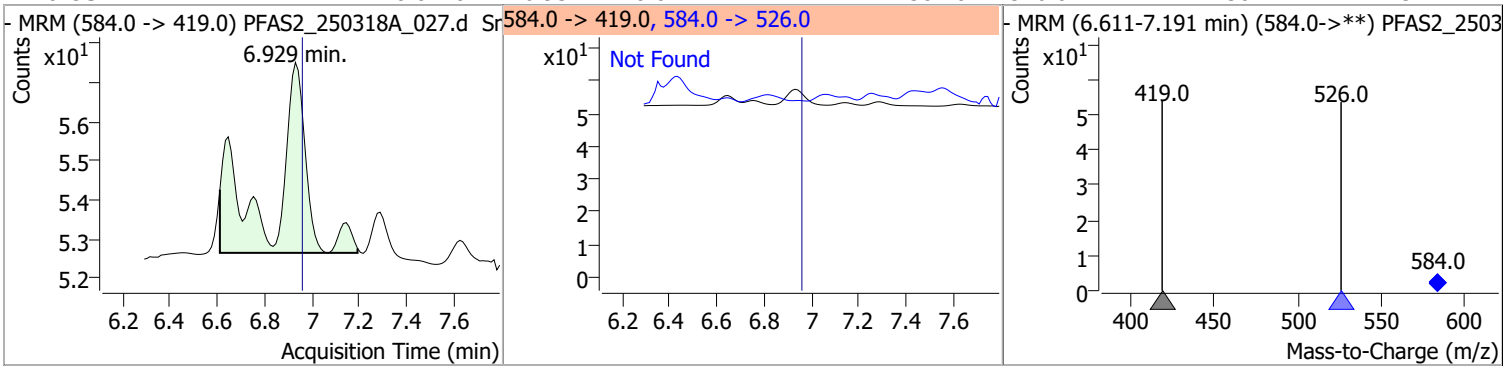
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0831	6.77	-0.01	479	498.9 -> 99.0	30.5	34.4	64.0



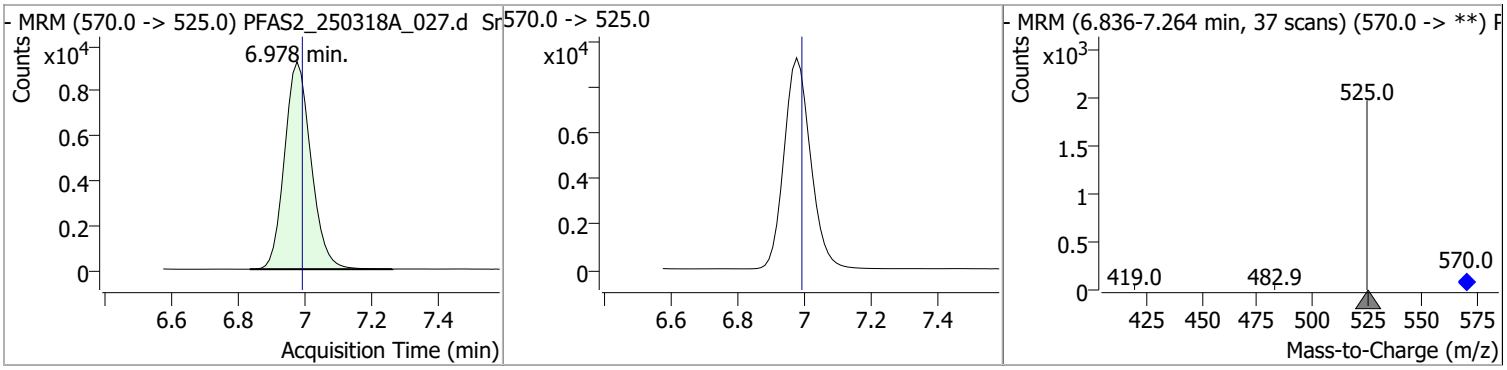
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0932	6.94	-0.01	42489				



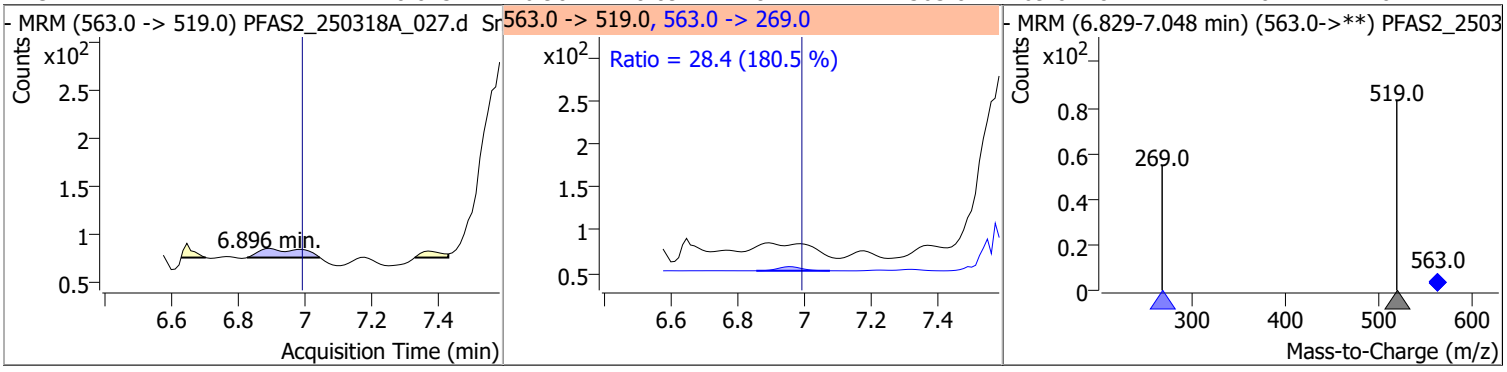
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0170	6.93	-0.02	47	584.0 -> 526.0		38.4	71.3



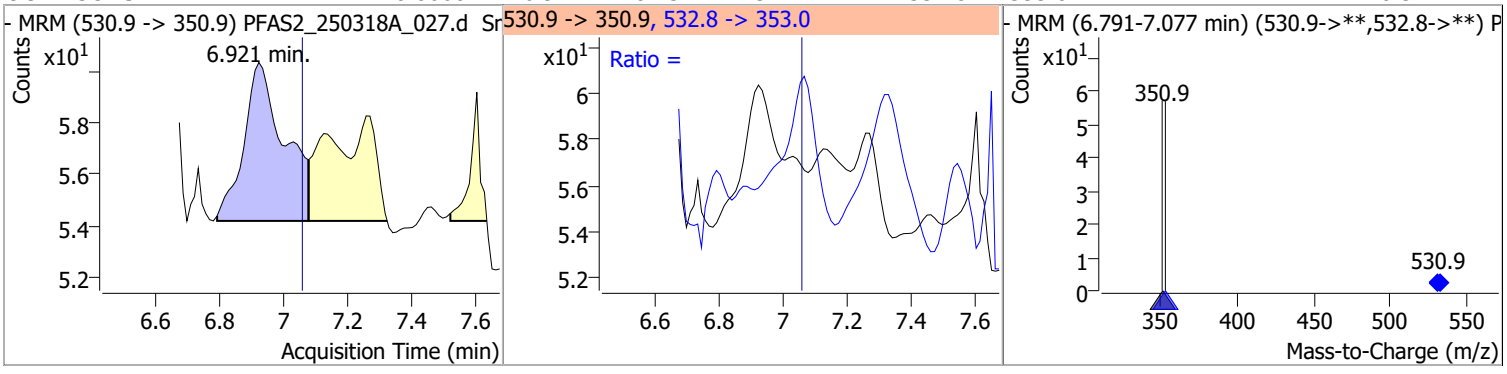
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2146	6.98	-0.01	50996				



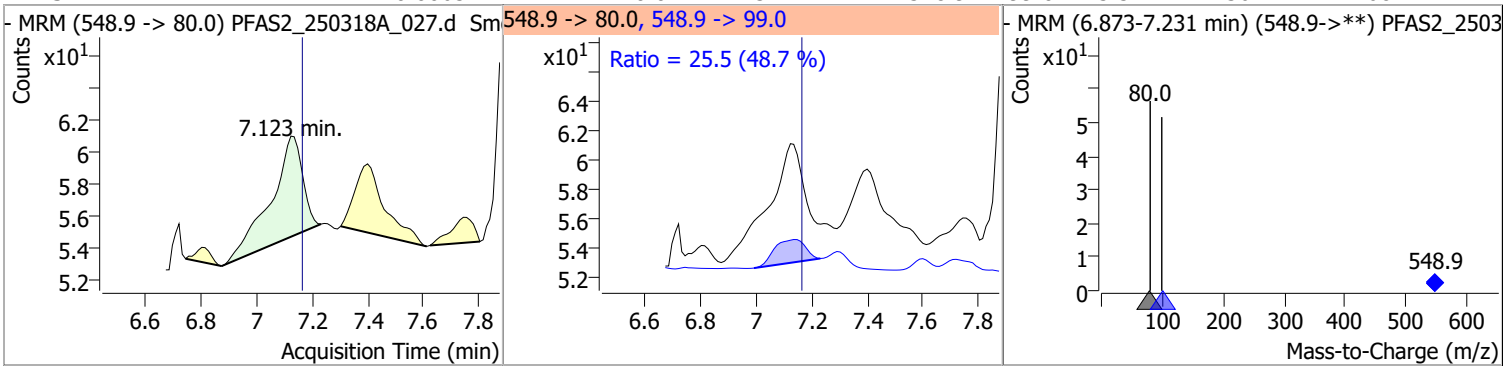
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0154	6.90	-0.09	84	563.0 -> 269.0	28.4	11.0	20.4



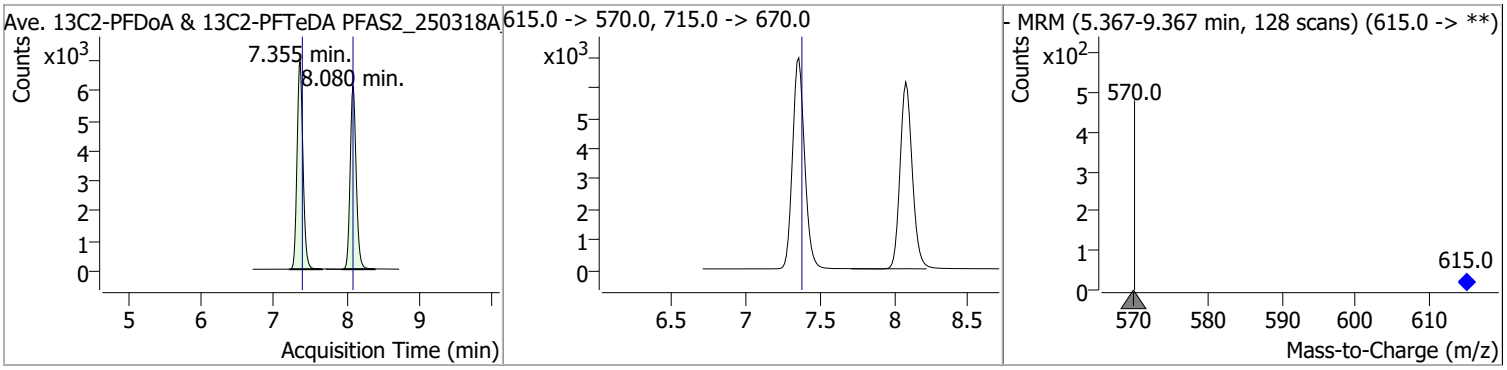
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0660	6.92	-0.13	54	532.8 -> 353.0		21.7	40.3



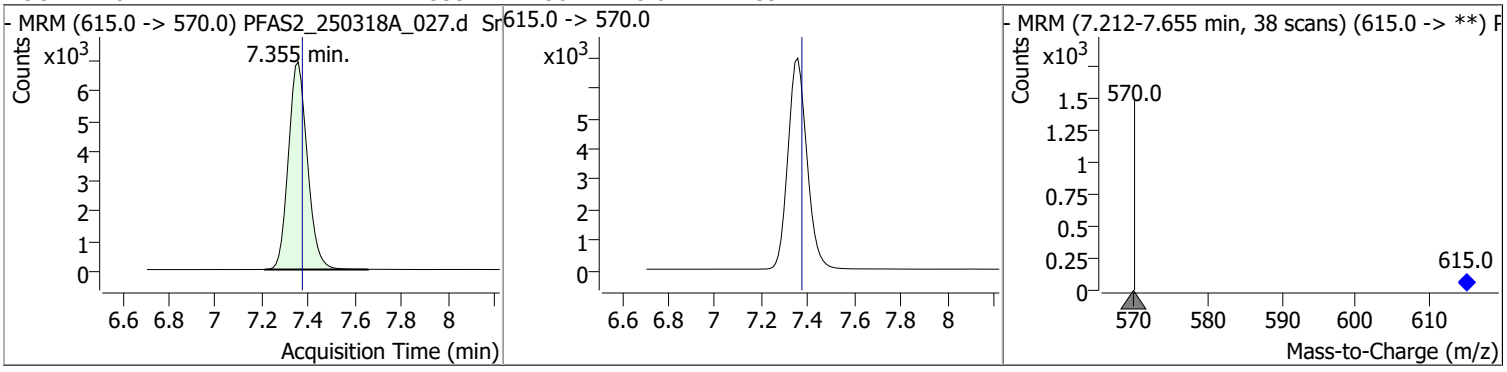
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0065	7.12	-0.04	51	548.9 -> 99.0	25.5	36.7	68.1



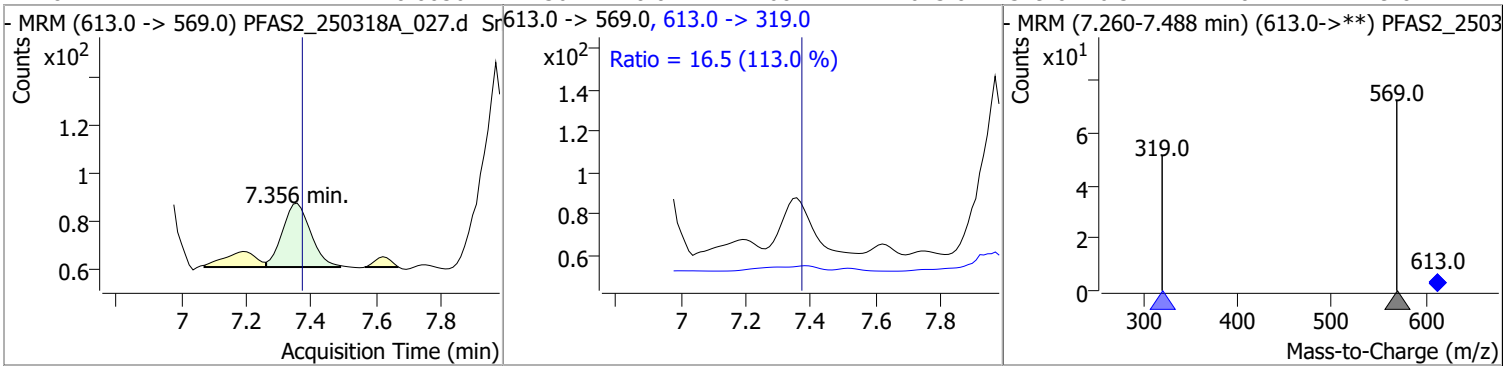
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0781	7.72	0.35	37311				



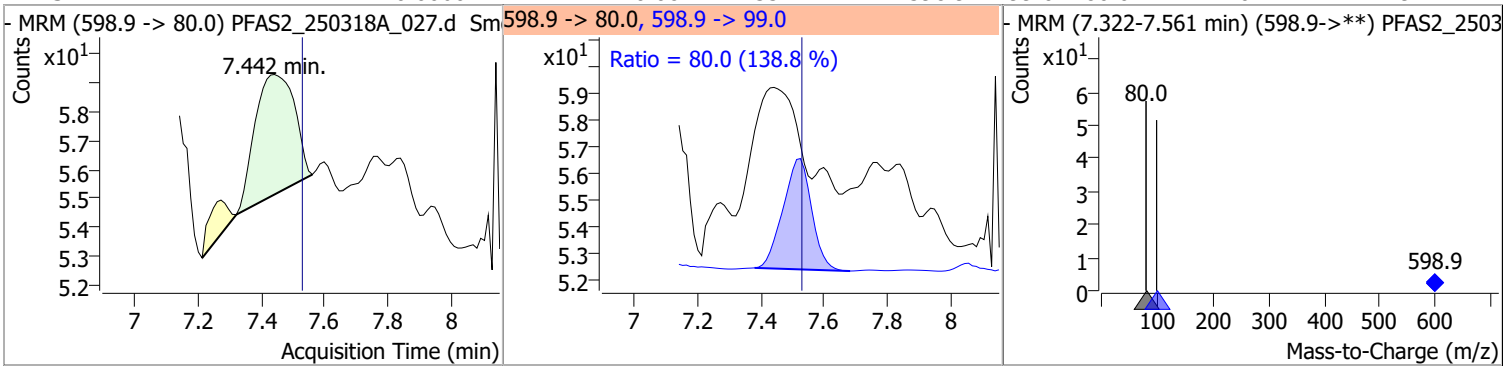
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2555	7.36	-0.01	39274				



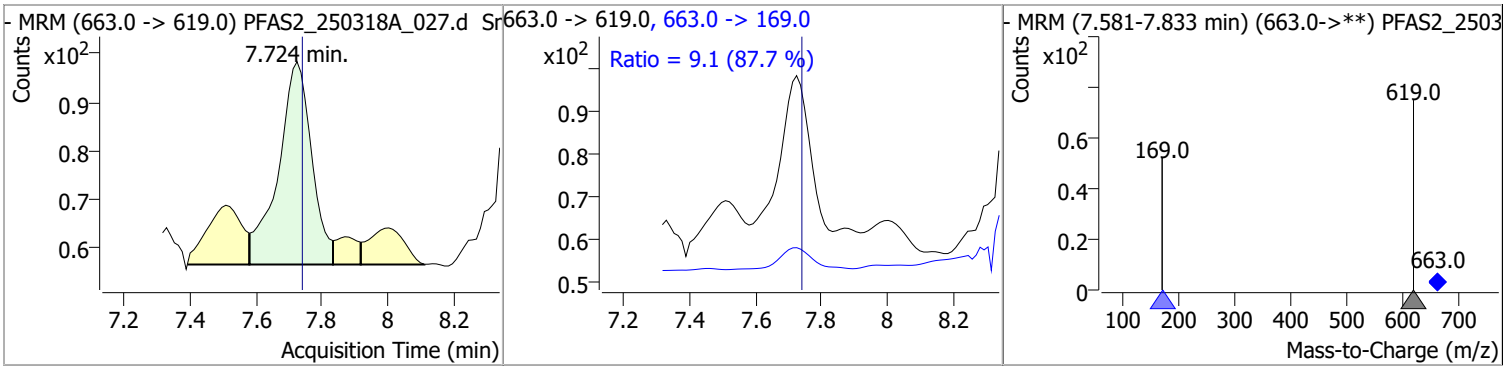
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0056	7.36	-0.01	160	613.0 -> 319.0	16.5	10.2	19.0



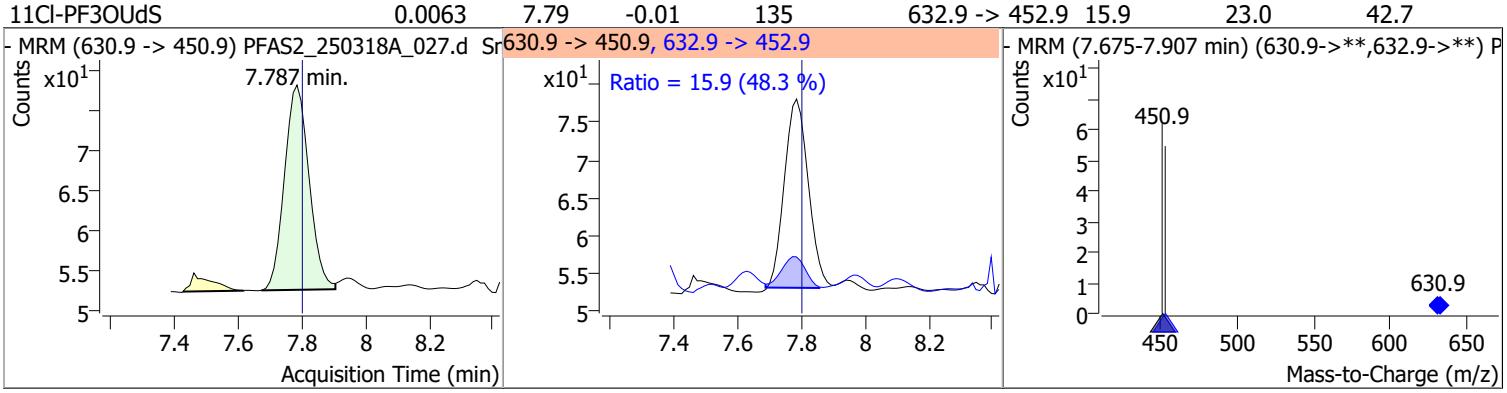
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0060	7.44	-0.08	35	598.9 -> 99.0	80.0	40.4	74.9



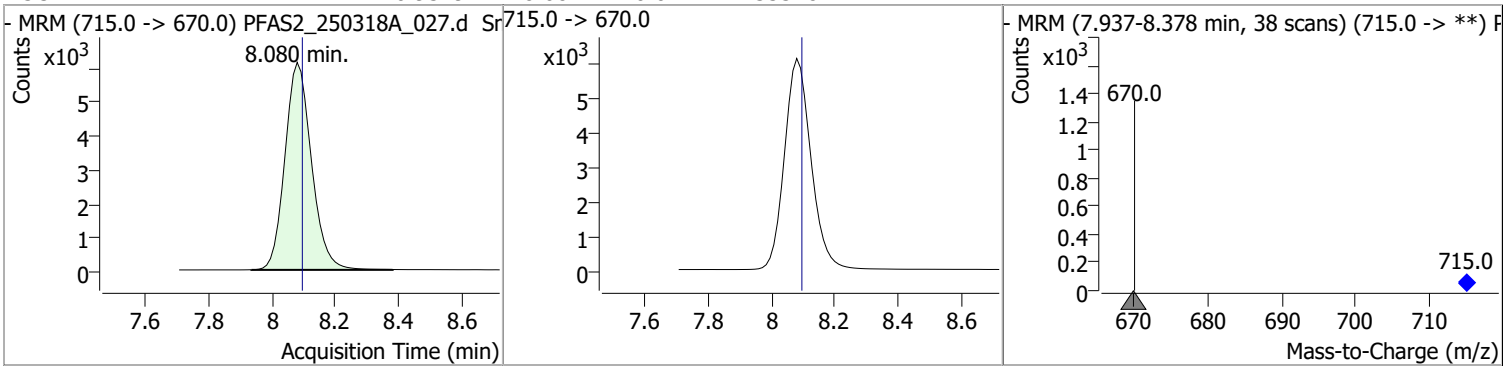
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0104	7.72	-0.01	293	663.0 -> 169.0	9.1	7.2	13.4



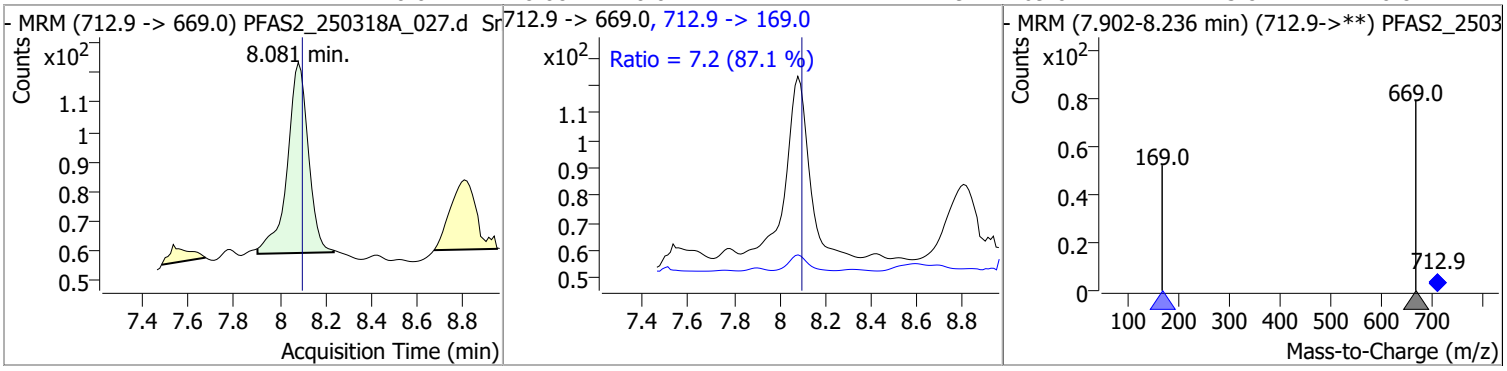
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0063	7.79	-0.01	135	632.9 -> 452.9	15.9	23.0	42.7



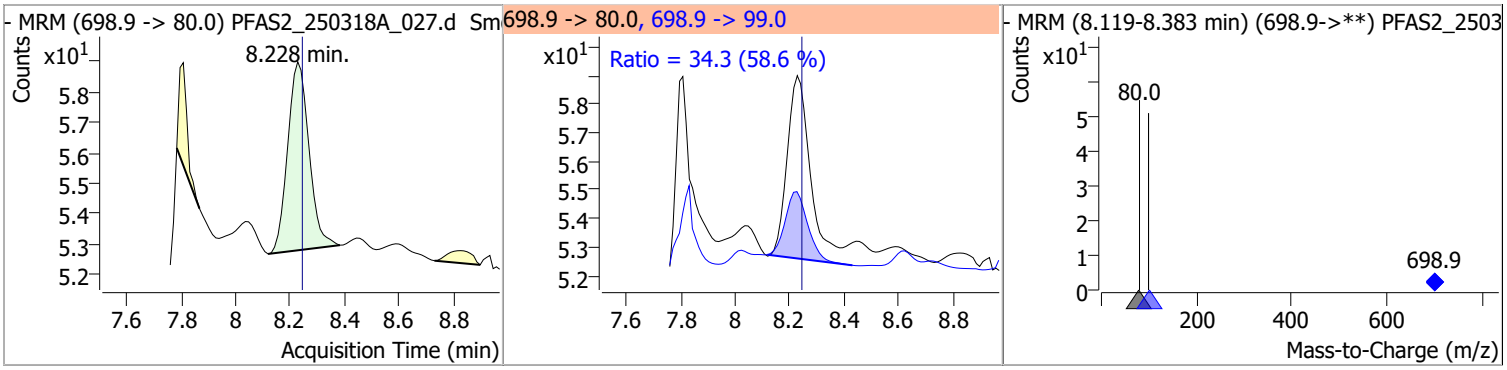
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9319	8.08	-0.01	35348				



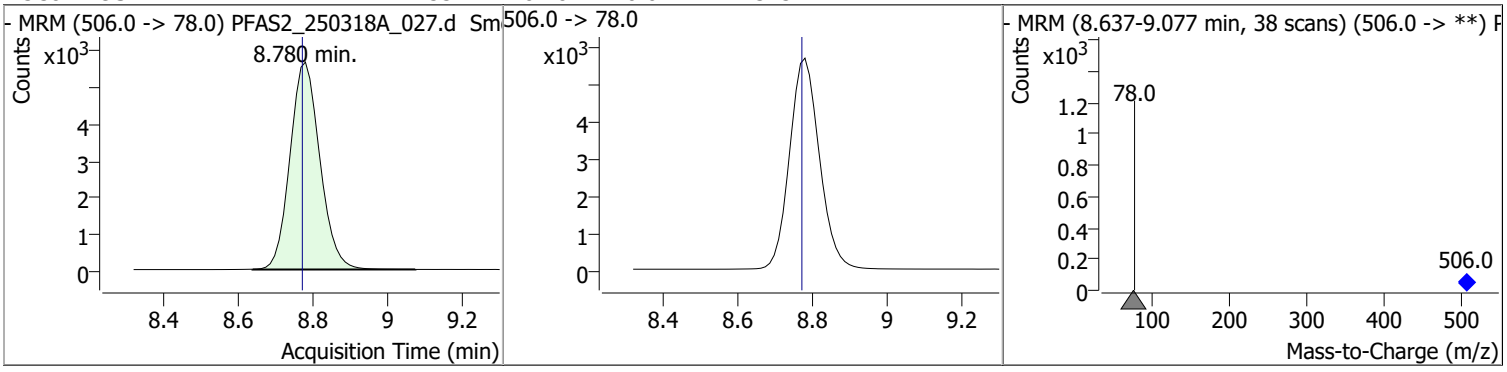
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0247	8.08	-0.01	411	712.9 -> 169.0	7.2	5.8	10.8



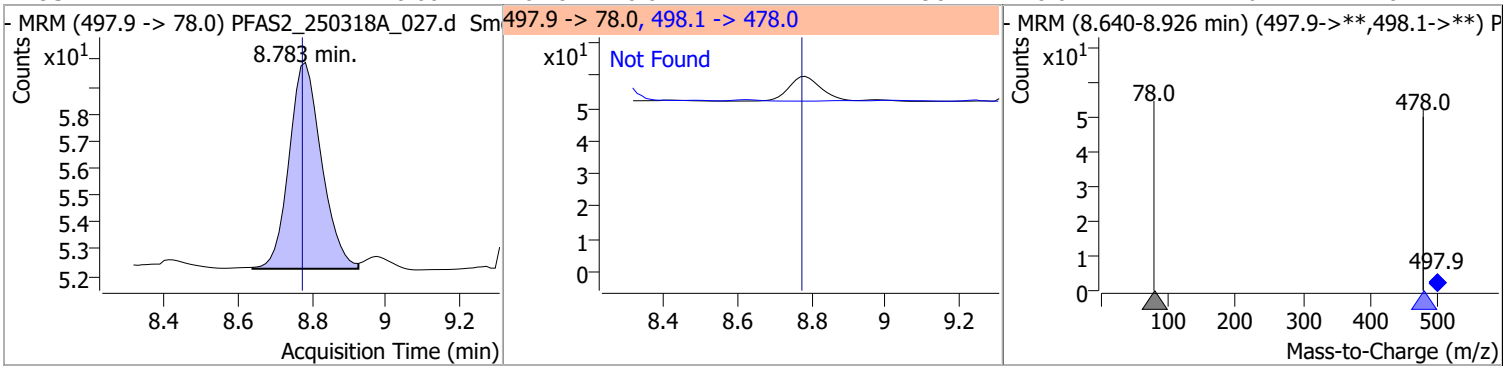
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0086	8.23	-0.01	35	698.9 -> 99.0	34.3	41.0	76.1



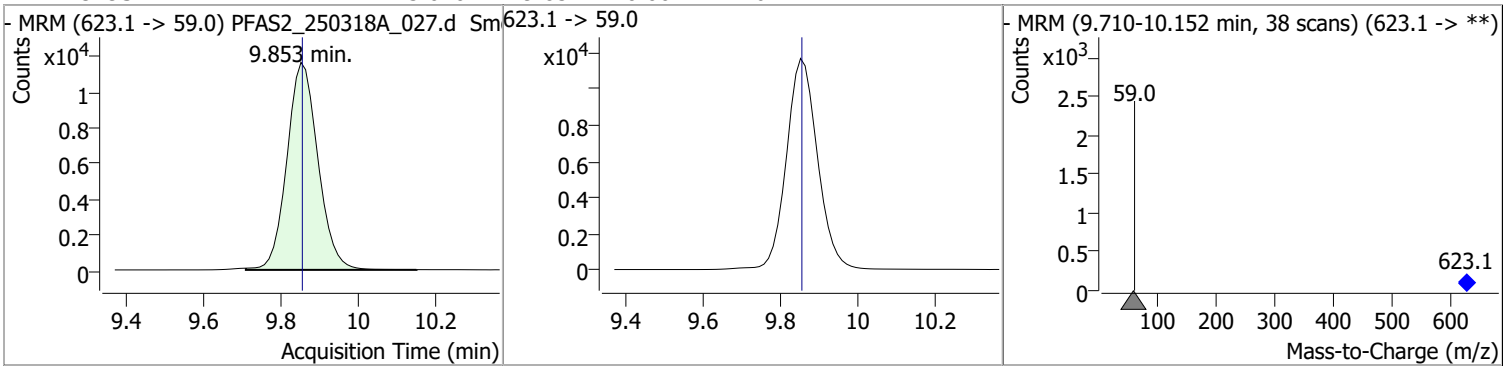
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1537	8.78	0.01	31544				



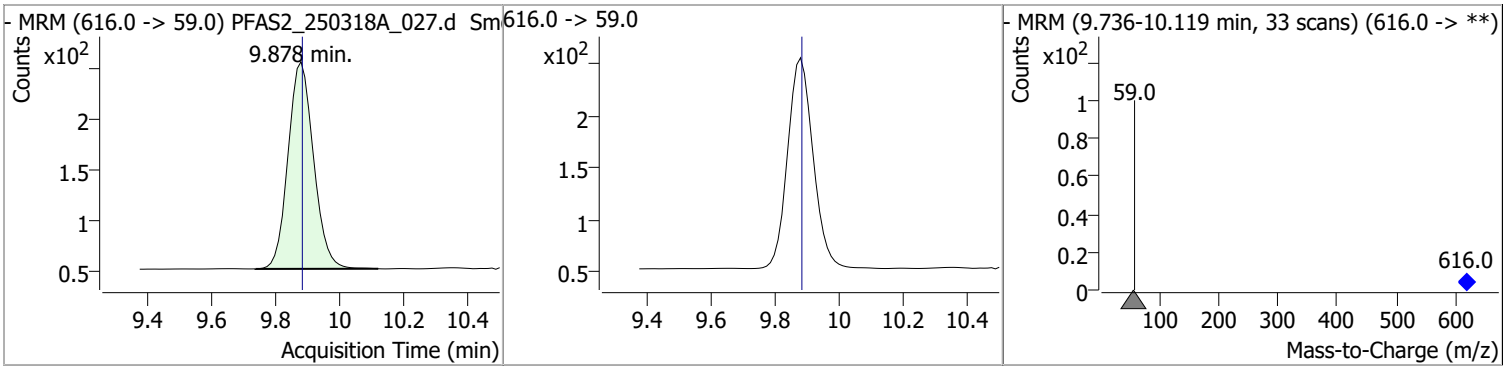
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0042	8.78	0.01	47	498.1 -> 478.0		2.6	4.8



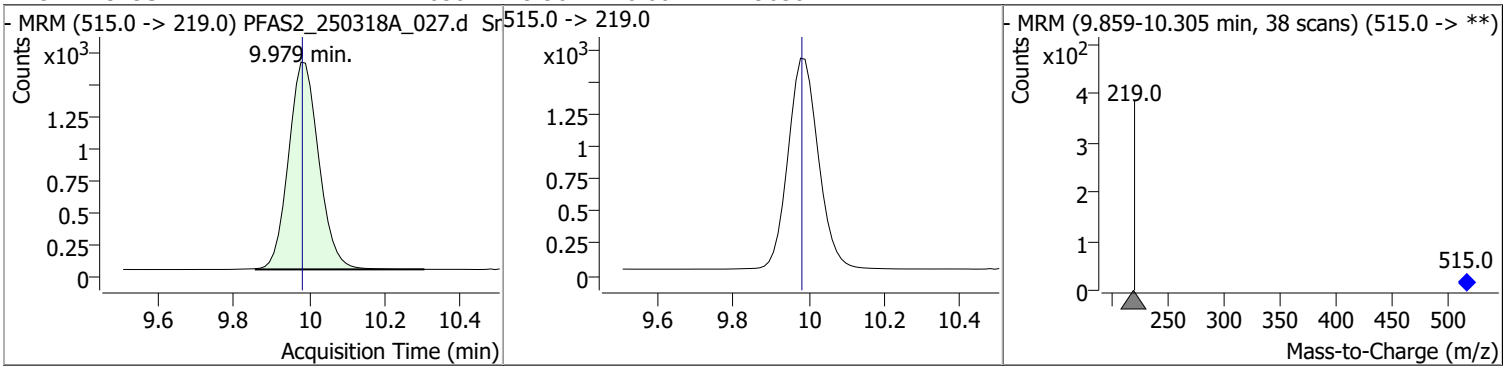
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.0402	9.85	0.00	64744				



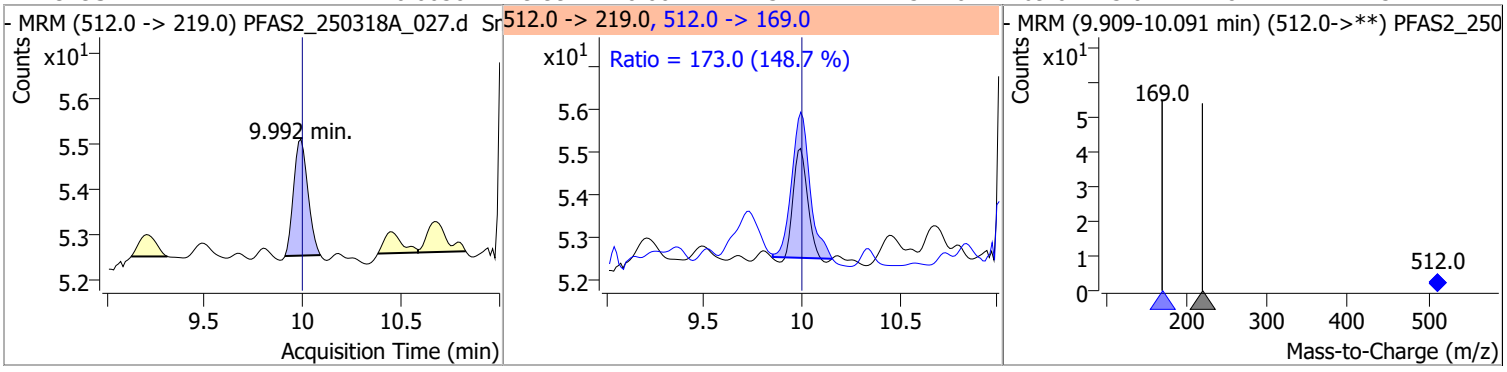
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.5293	9.88	0.00	1122				



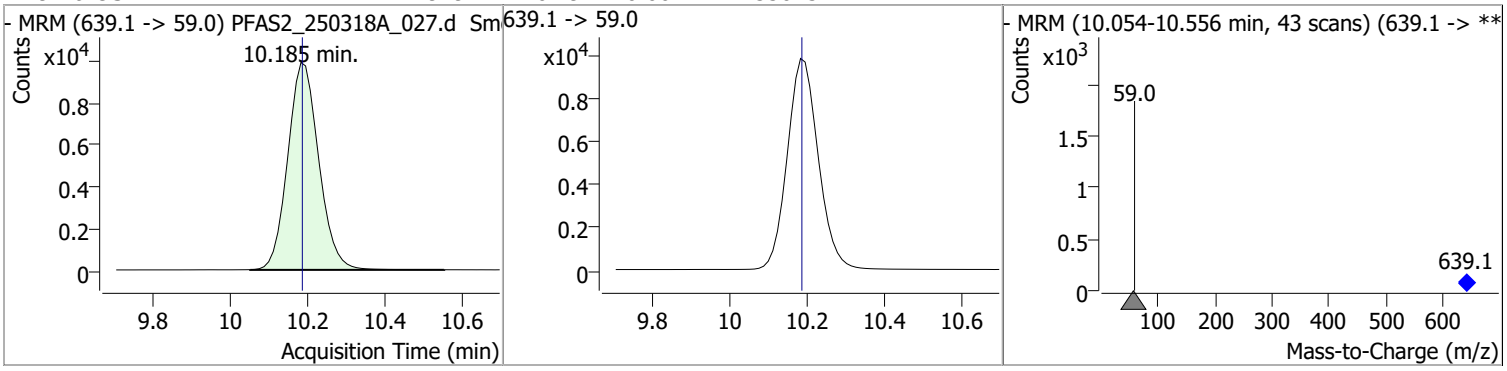
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2038	9.98	0.00	9058				



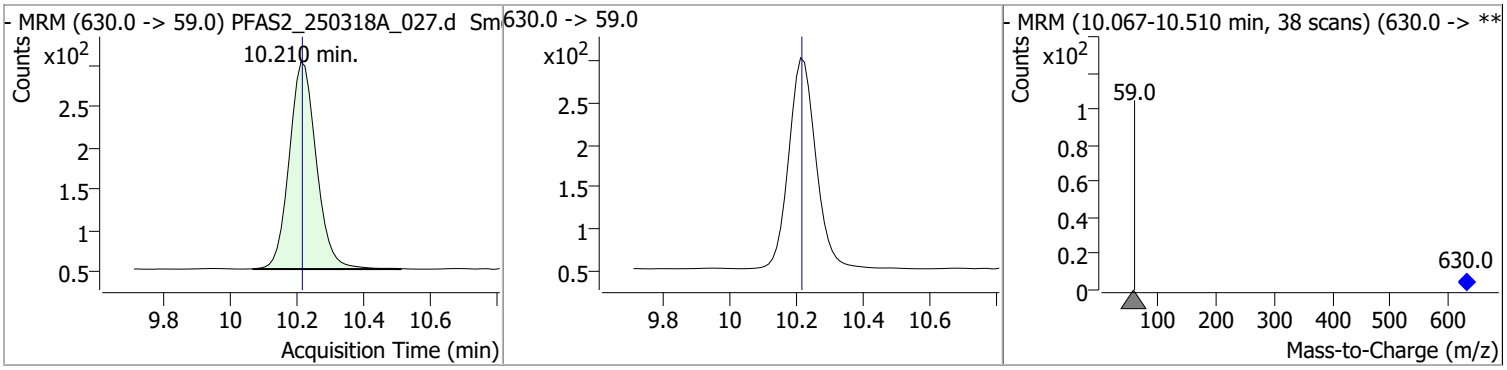
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0038	9.99	0.00	13	512.0 -> 169.0	173.0	81.4	151.2



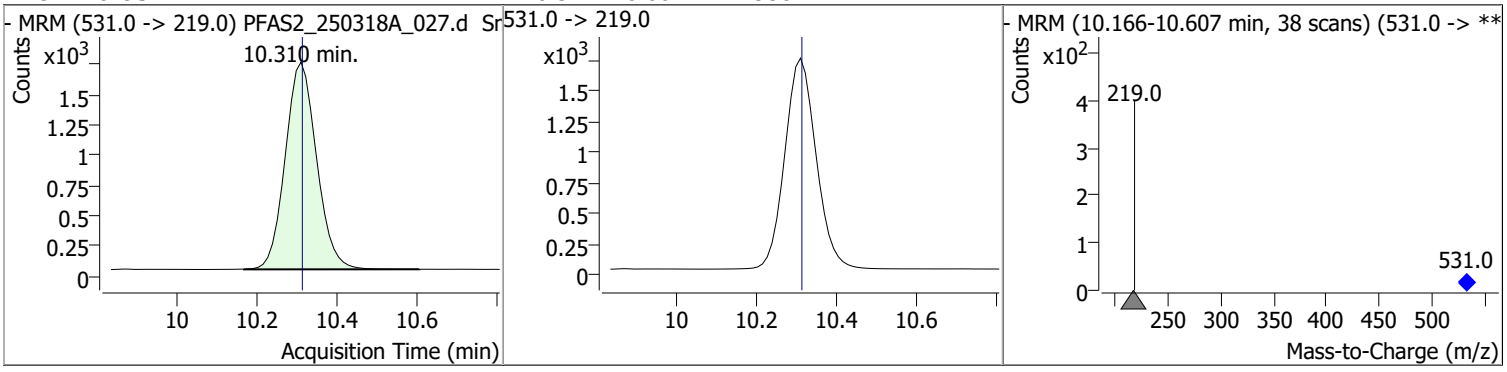
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.9197	10.19	0.00	55073				



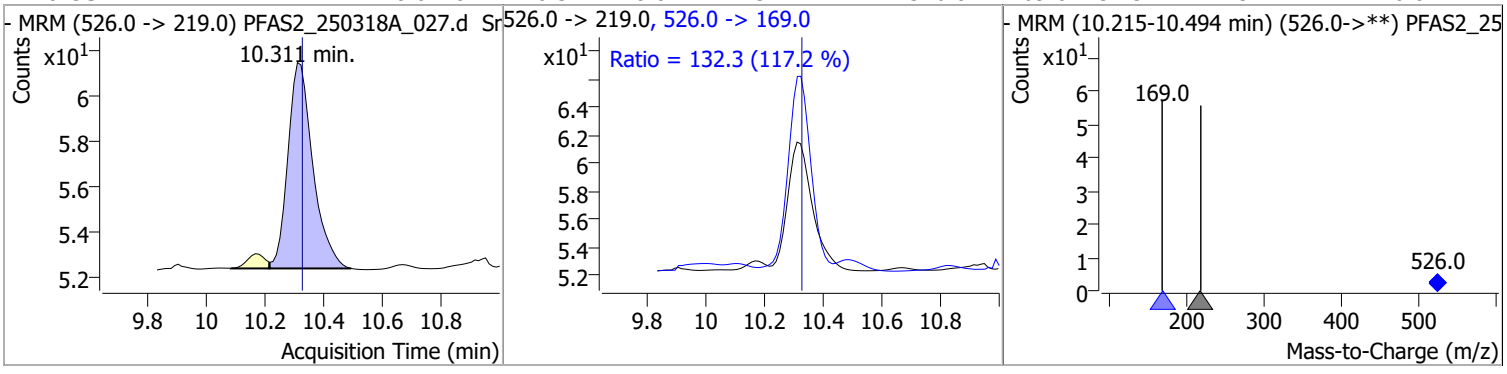
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.7312	10.21	0.00	1428				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1112	10.31	0.00	9384				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0148	10.31	-0.01	54	526.0 -> 169.0	132.3	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET
E1633

MW05R-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-04	File ID:	PFAS2_250318A_028.d
Sampled:	03/11/25 11:34	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:10
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	524.1435 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	3.66	0.46	3.05	6.11	J
2706-90-3	PFPeA	6.11	0.13	1.53	3.05	
307-24-4	PFHxA	2.07	0.12	0.76	1.53	
375-85-9	PFHpA	0.90	0.15	0.76	1.53	J
335-67-1	PFOA	0.52	0.11	0.76	1.53	J
375-95-1	PFNA		0.09	0.76	1.53	U
335-76-2	PFDA		0.12	0.76	1.53	U
2058-94-8	PFUnA		0.18	0.76	1.53	U
307-55-1	PFDoA		0.10	0.76	1.53	U
72629-94-8	PFTrDA		0.07	0.76	1.53	U
376-06-7	PFTeDA		0.11	0.76	1.53	U
375-73-5	PFBS	1.84	0.18	0.68	1.35	
2706-91-4	PFPeS	0.34	0.20	0.72	1.44	J
355-46-4	PFHxS	2.08	0.22	0.70	1.39	
375-92-8	PFHpS		0.39	0.72	1.45	U
1763-23-1	PFOS	0.68	0.21	0.89	1.77	J
68259-12-1	PFNS		0.19	0.73	1.47	U
335-77-3	PFDS		0.13	0.73	1.47	U
79780-39-5	PFDoS		0.08	0.74	1.48	U
757124-72-4	4:2FTS		0.39	2.86	5.72	U
27619-97-2	6:2FTS		2.64	2.90	5.80	U
39108-34-4	8:2FTS		0.58	2.93	5.86	U
754-91-6	PFOSA		0.10	0.76	1.53	U
31506-32-8	NMeFOSA		0.25	0.76	1.53	U
4151-50-2	NEtFOSA		0.30	0.76	1.53	U
2355-31-9	NMeFOSAA		0.42	0.76	1.53	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW05R-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-04	File ID:	PFAS2_250318A_028.d
Sampled:	03/11/25 11:34	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:10
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	524.1435 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.76	1.53	U
24448-09-7	NMeFOSE		0.96	7.63	15.3	U
1691-99-2	NEtFOSE		1.20	7.63	15.3	U
13252-13-6	HFPO-DA		0.39	1.53	3.05	U
919005-14-4	ADONA		0.14	1.44	2.88	U
756426-58-1	9CL-PF3ONS		0.17	1.43	2.85	U
763051-92-9	11CL-PF3OUdS		0.30	1.44	2.88	U
356-02-5	3:3FTCA		0.63	3.05	6.11	U
914637-49-3	5:3FTCA		3.49	15.3	30.5	U
812-70-4	7:3FTCA		2.92	15.3	30.5	U
113507-82-7	PFEESA		0.16	1.36	2.72	U
377-73-1	PFMPA	0.57	0.10	1.53	3.05	J
863090-89-5	PFMBA		0.11	1.53	3.05	U
151772-58-6	NFDHA		0.43	1.53	3.05	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_028.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:10:11 PM
Sample Name	O25C0550-04	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

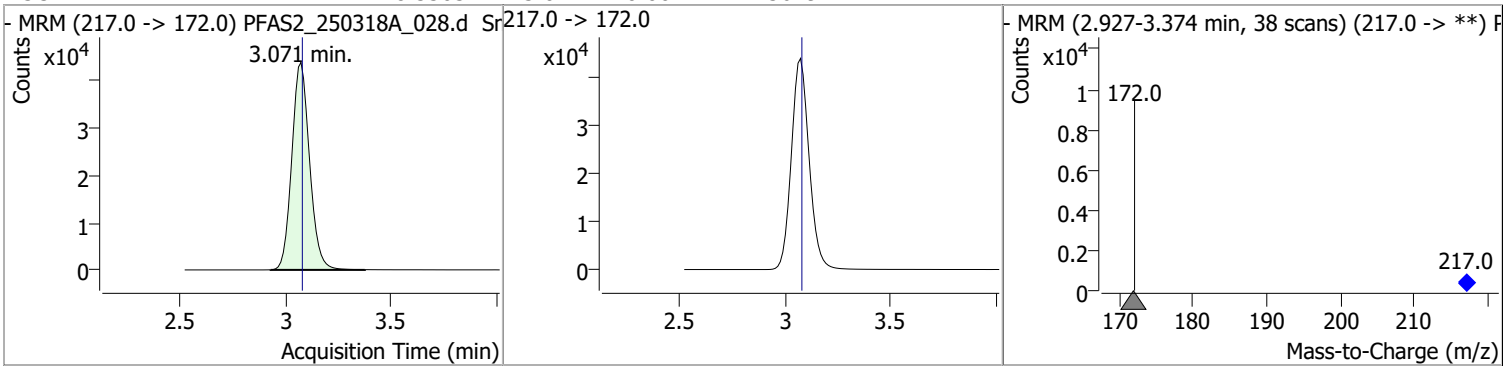
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	132161	5.0000	µg/L		-3.421
13C2-PFHxA	4.890	315.0 -> 270.0	148448	2.5000	µg/L		-3.244
18O2-PFHxS	5.955	403.0 -> 84.0	29902	2.5000	µg/L		0.918
13C4-PFOA	5.823	417.0 -> 172.0	15698	2.5000	µg/L		1.617
13C5-PFNA	6.214	468.0 -> 423.0	73509	1.2500	µg/L		3.284
13C2-PFDA	6.603	515.0 -> 470.0	66847	1.2500	µg/L		-0.044
13C4-PFOS	6.771	503.0 -> 80.0	24264	2.5000	µg/L		-2.591
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	256192	10.0000	µg/L		-17.578
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 85.30%			
13C5-PFPeA	4.222	268.0 -> 223.0	185377	5.0000	µg/L		-10.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C5-PFPeA	4.222	268.0 -> 223.0	185377	5.0000	µg/L		-10.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28677	5.0000	µg/L	#	13.504
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.93%			
13C5-PFHxA	4.889	318.0 -> 273.0	144734	2.5000	µg/L		-14.279
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.57%			
13C5-PFHxA	4.889	318.0 -> 273.0	144734	2.5000	µg/L		-14.279
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.57%			
13C3-PFBS	4.929	302.0 -> 80.0	50068	2.5000	µg/L		-17.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 81.79%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163703	10.0000	µg/L		-6.332
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C4-PFHpA	5.385	367.0 -> 322.0	178263	2.5000	µg/L		-5.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.57%			
13C3-PFHxS	5.956	402.0 -> 80.0	30234	2.5000	µg/L		-13.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15535	5.0000	µg/L	#	5.191
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.35%			
13C8-PFOA	5.823	421.0 -> 376.0	161791	2.5000	µg/L		-6.339
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C3-PFHxS	5.956	402.0 -> 80.0	30234	2.5000	µg/L		-13.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.75%			
13C9-PFNA	6.213	472.0 -> 427.0	71380	1.2500	µg/L		1.300
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
13C8-PFOS	6.771	507.0 -> 80.0	22514	2.5000	µg/L		-10.955
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.45%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11519	5.0000	µg/L	#	-2.758
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C6-PFDA	6.603	519.0 -> 474.0	67433	1.2500	µg/L		-0.776
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.17%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51525	5.0000	µg/L		-7.693
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.65%			
13C8-PFOS	6.771	507.0 -> 80.0	22514	2.5000	µg/L		-10.955

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.45%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	39793	5.0000	µg/L		-5.635
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.83%			
13C7-PFUnDA	6.978	570.0 -> 525.0	52179	1.2500	µg/L		-2.656
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.37%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	38006	1.2500	µg/L		-13.848
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.05%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40729	1.2500	µg/L		1.963
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 102.02%			
13C2-PFTDA	8.080	715.0 -> 670.0	35283	1.2500	µg/L		-26.928
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.88%			
13C8-PFOSA	8.780	506.0 -> 78.0	31481	2.5000	µg/L		-14.827
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	61579	25.0000	µg/L		-50.989
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 50.35%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8766	2.5000	µg/L		-15.466
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.58%			
2H9-EtFOSE	10.197	639.1 -> 59.0	55511	25.0000	µg/L		-12.594
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.70%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9636	2.5000	µg/L		-14.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.01%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6817	0.3842	µg/L		100
PFMPA	3.614	229.0 -> 85.0	82	0.0596	µg/L		100
3-3 FTCA	4.107	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	21175	0.6410	µg/L		100
PFMBA	4.465	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.834	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	11239	0.2170	µg/L		98
PFBS	4.930	298.9 -> 80.0	4004	0.1927	µg/L		89
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.153	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	5052	0.0945	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	582	0.0356	µg/L		92
DONA	5.527	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	1171	0.0546	µg/L		96
PFHxS	5.957	398.9 -> 80.0	2564	0.2180	µg/L		98
PFNA	6.214	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.430	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.597	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	365	0.0714	µg/L	#	78
N-EtFOSAA	6.811	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.991	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.077	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.195	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	0.000		0	N.D.			
PFDS	7.490	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.713	663.0 -> 619.0	0	0.0000	µg/L	md	

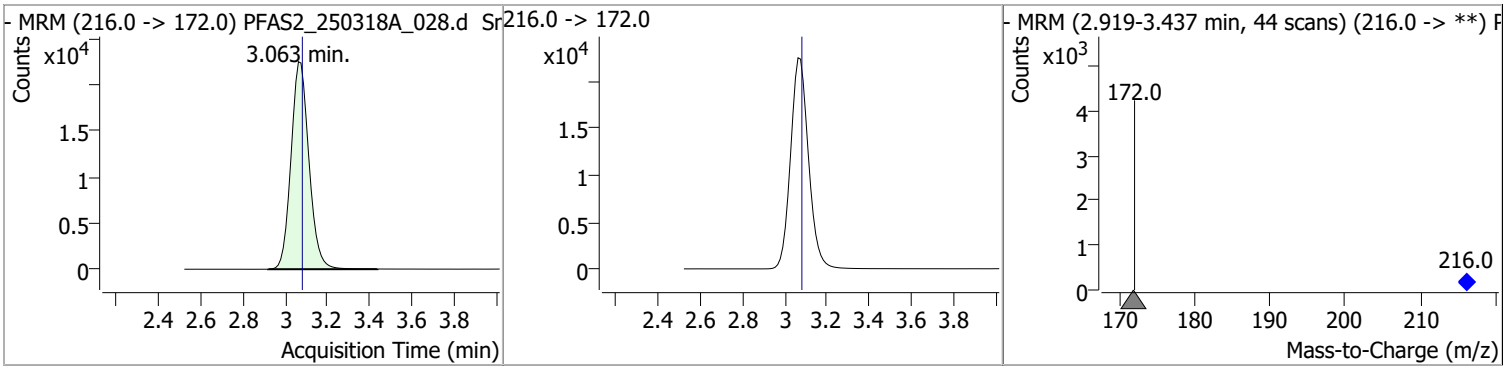
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.666	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.334	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	31	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.234	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

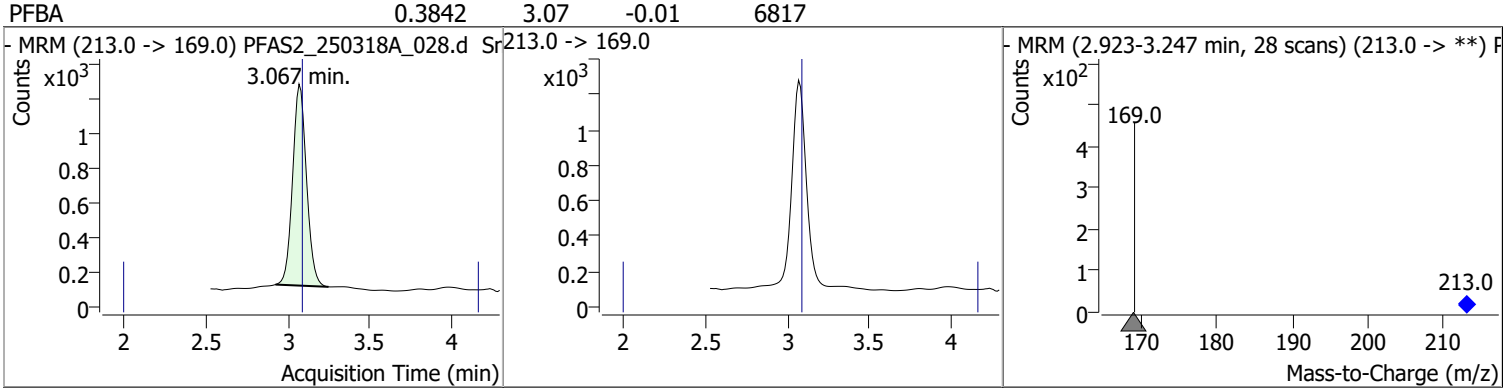
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.5303	3.07	0.00	256192				



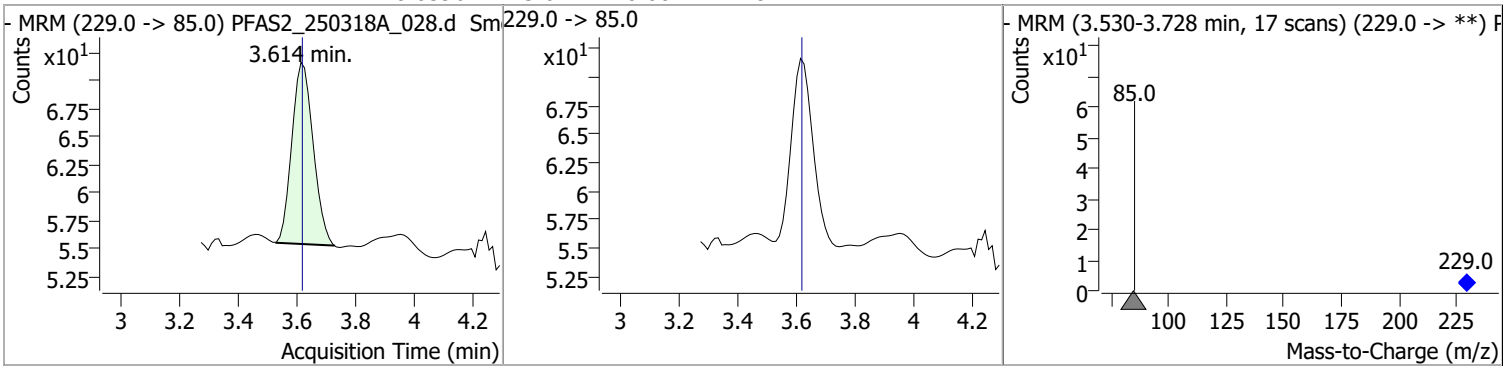
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	132161				



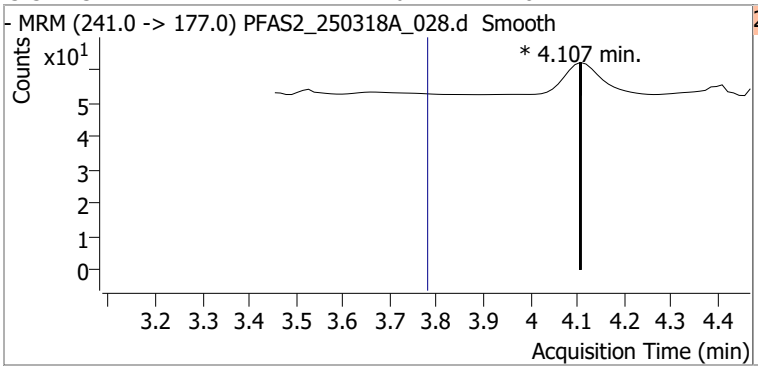
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.3842	3.07	-0.01	6817				

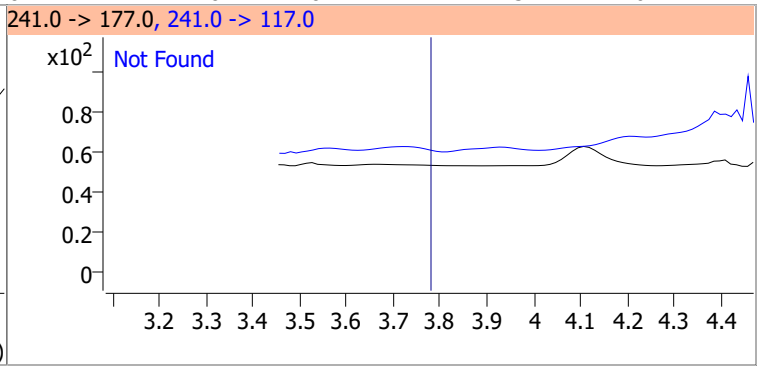


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0596	3.61	0.00	82				

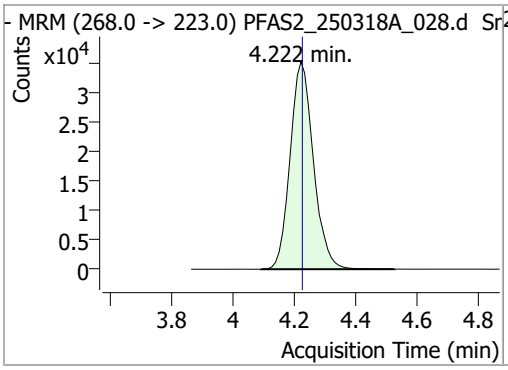


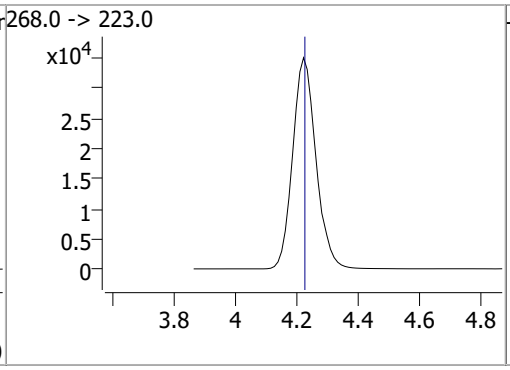
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

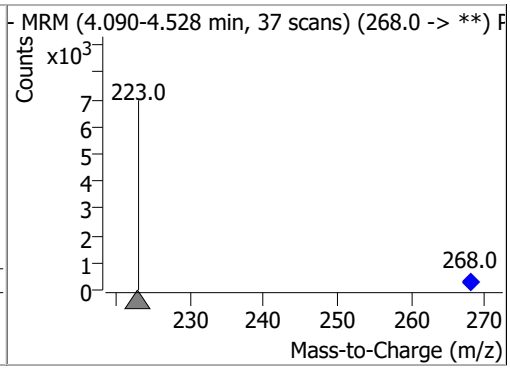




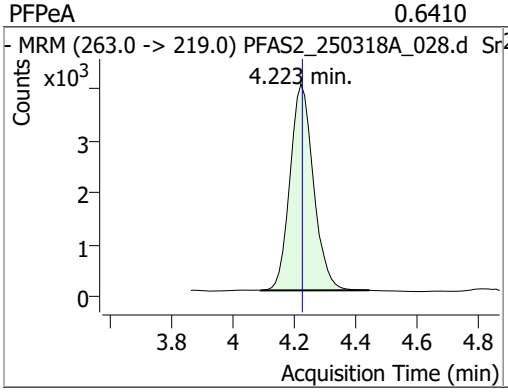
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6299	4.22	0.00	185377				

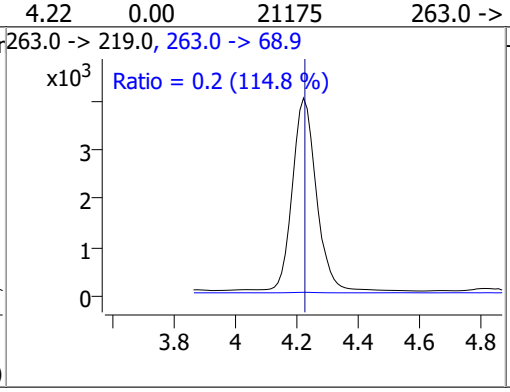


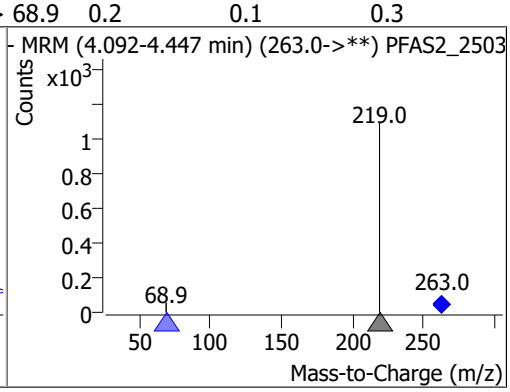




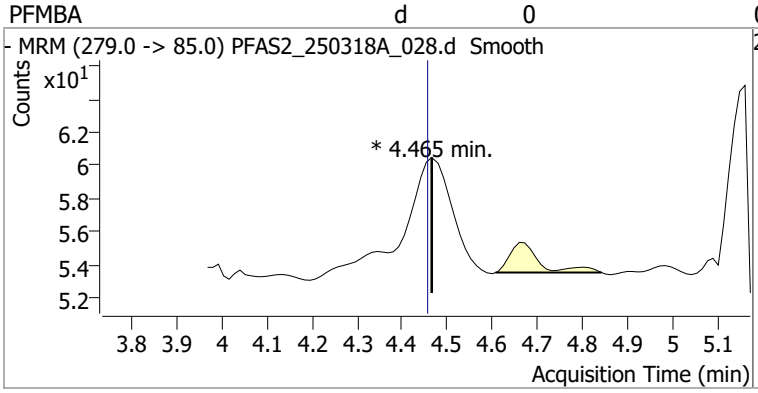
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.6410	4.22	0.00	21175	263.0 -> 68.9	0.2	0.1	0.3

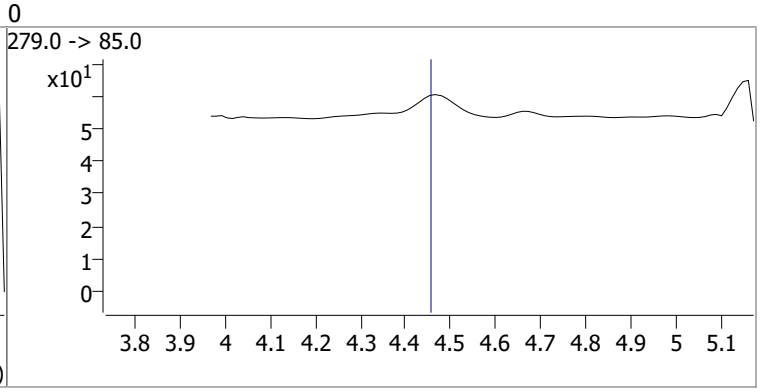




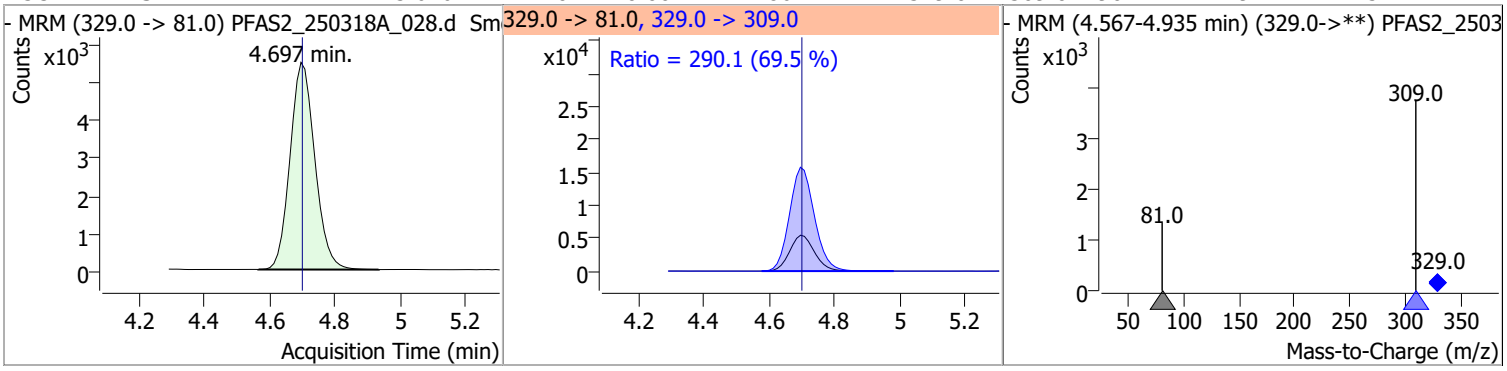


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

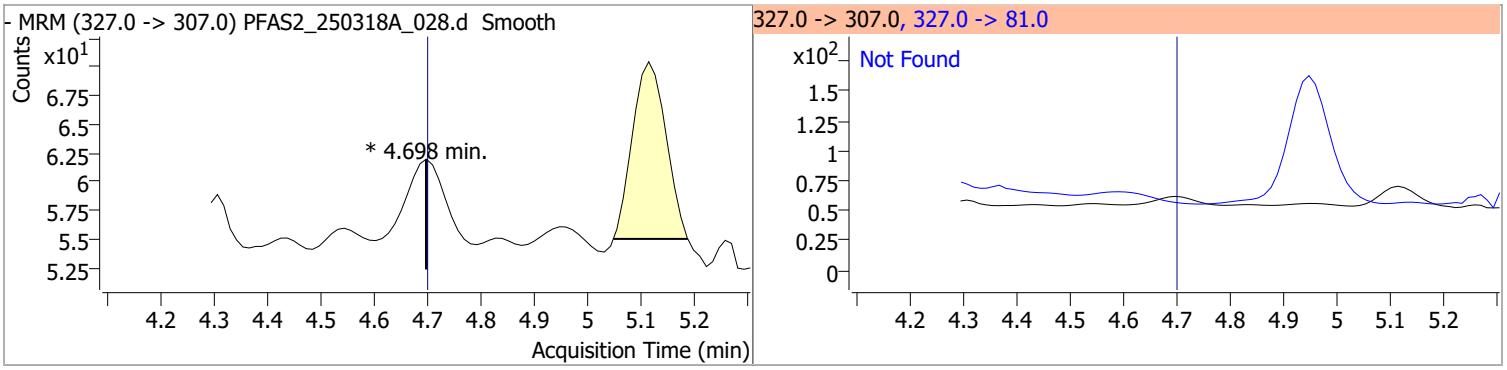




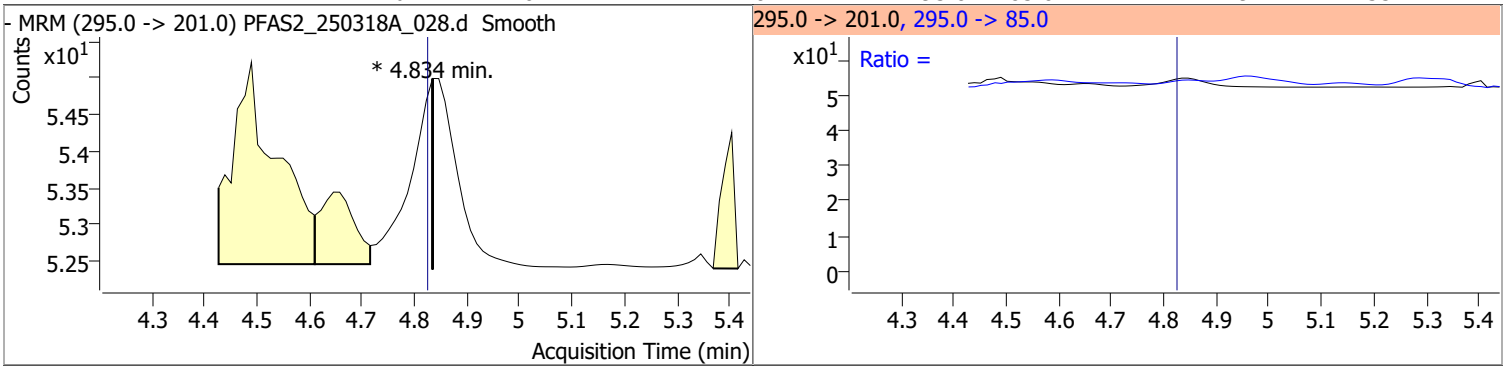
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6464	4.70	0.00	28677	329.0 -> 309.0	290.1	292.1	542.4



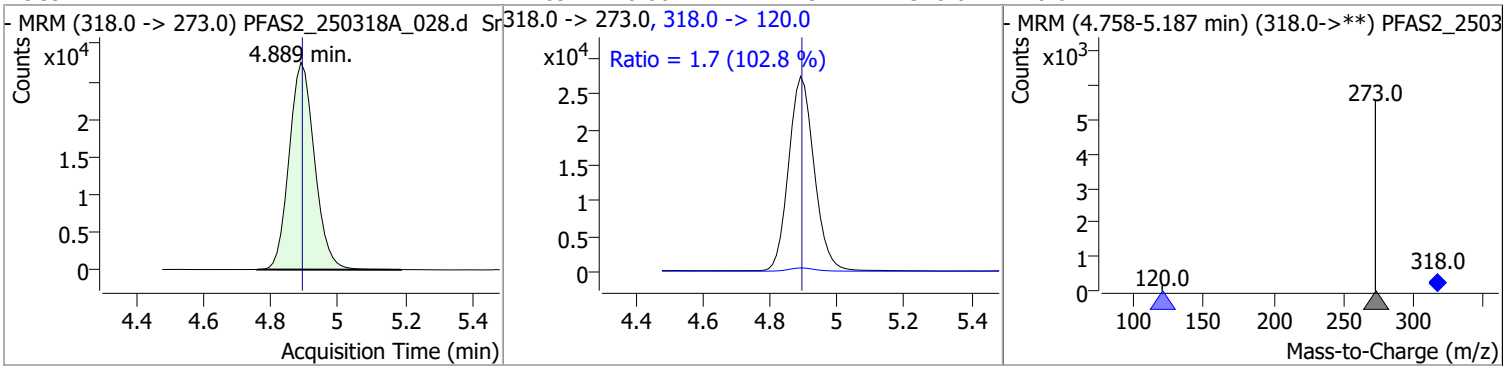
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



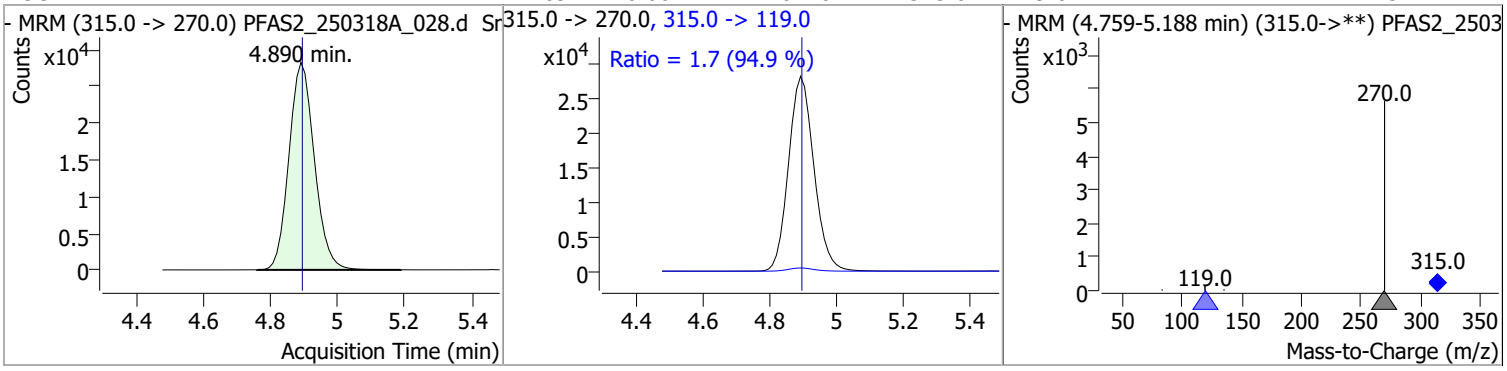
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



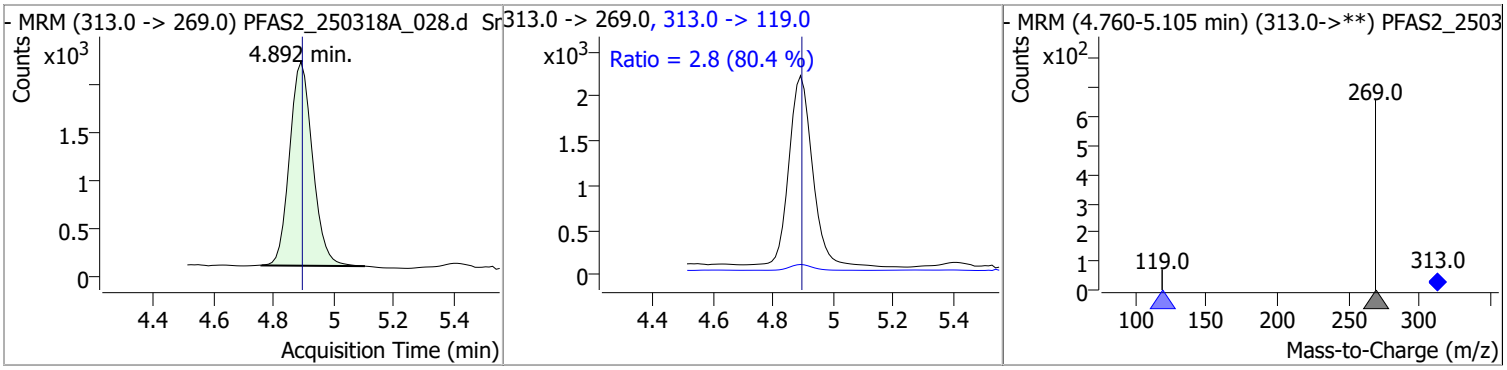
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2144	4.89	0.00	144734	318.0 -> 120.0	1.7	1.1	2.1



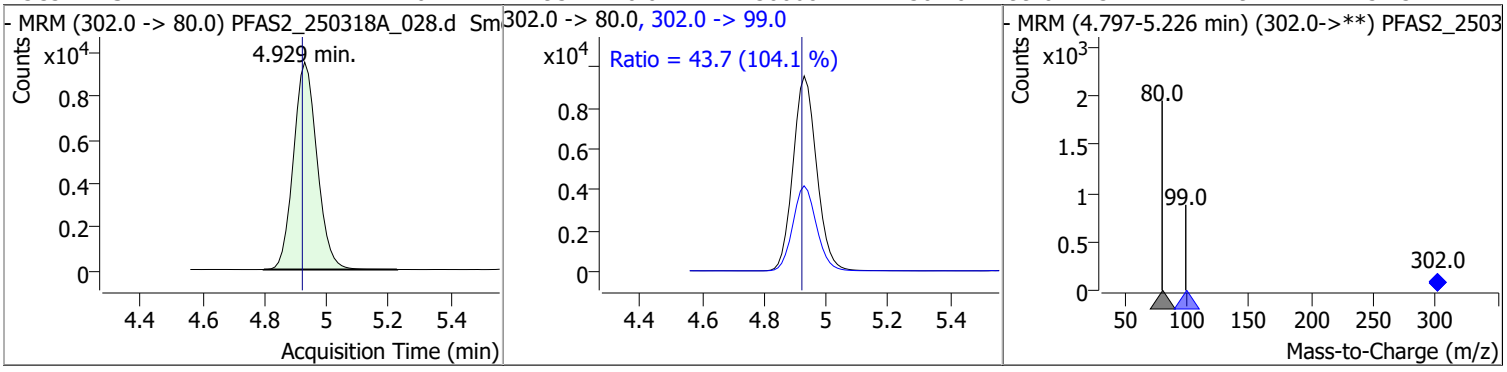
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	148448	315.0 -> 119.0	1.7	1.2	2.3



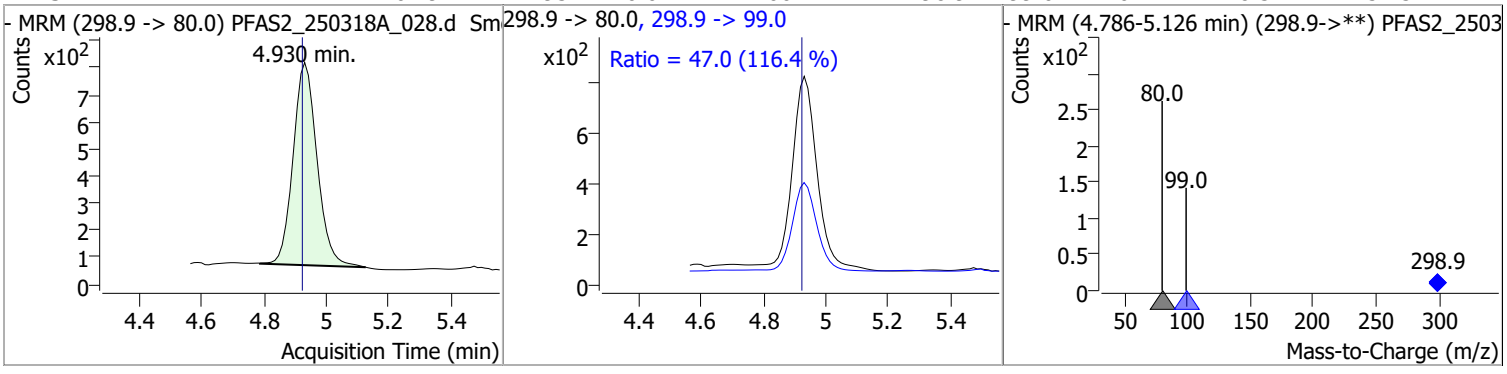
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2170	4.89	0.00	11239	313.0 -> 119.0	2.8	2.4	4.5



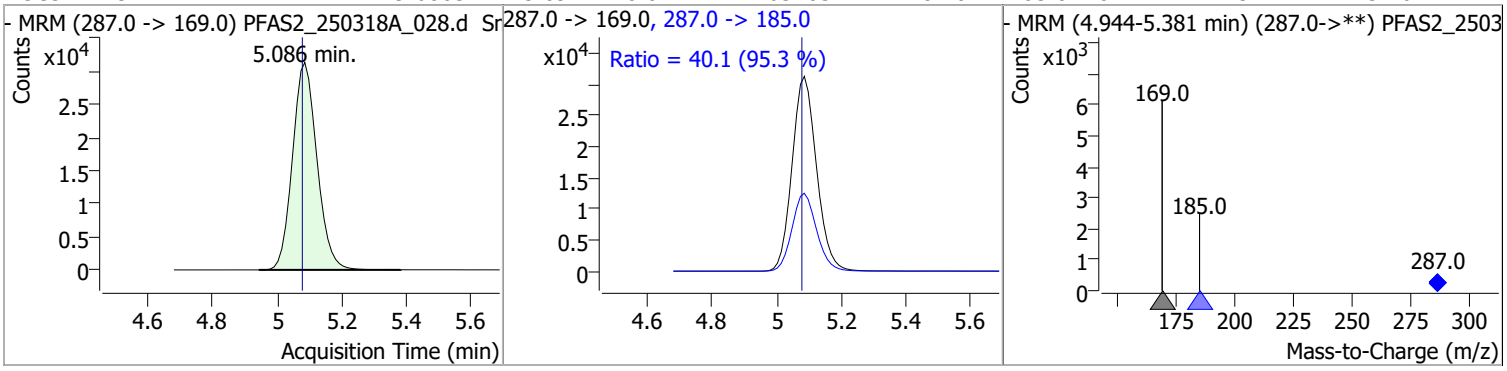
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.0447	4.93	0.01	50068	302.0 -> 99.0	43.7	29.4	54.5



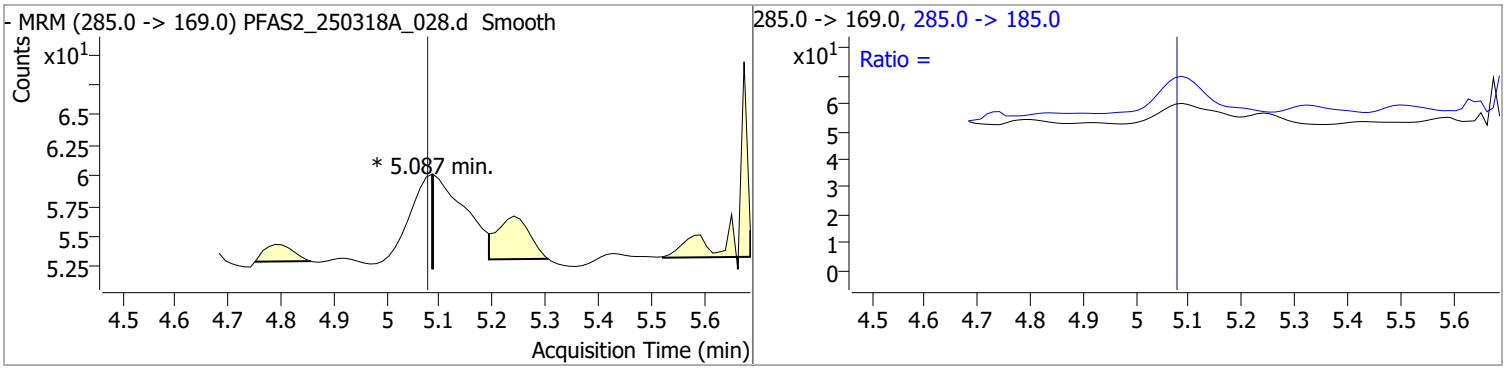
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1927	4.93	0.01	4004	298.9 -> 99.0	47.0	28.3	52.5



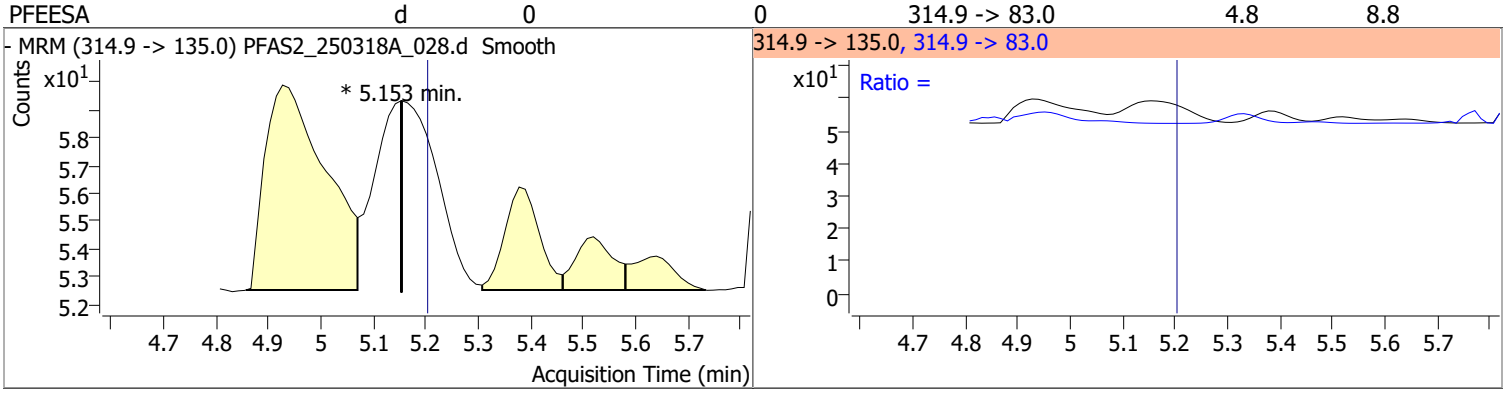
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6803	5.09	0.01	163703	287.0 -> 185.0	40.1	29.4	54.6



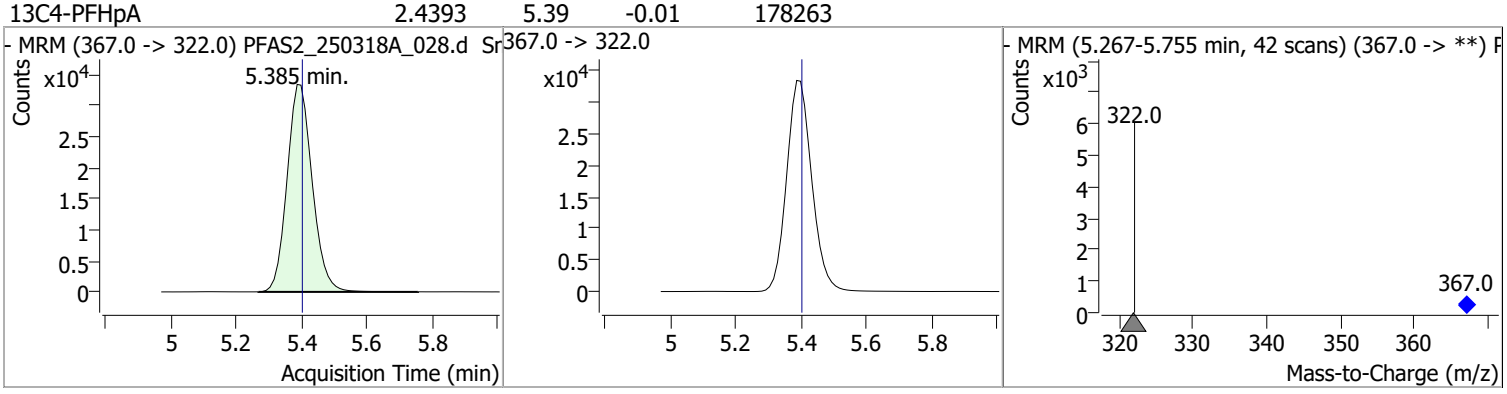
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



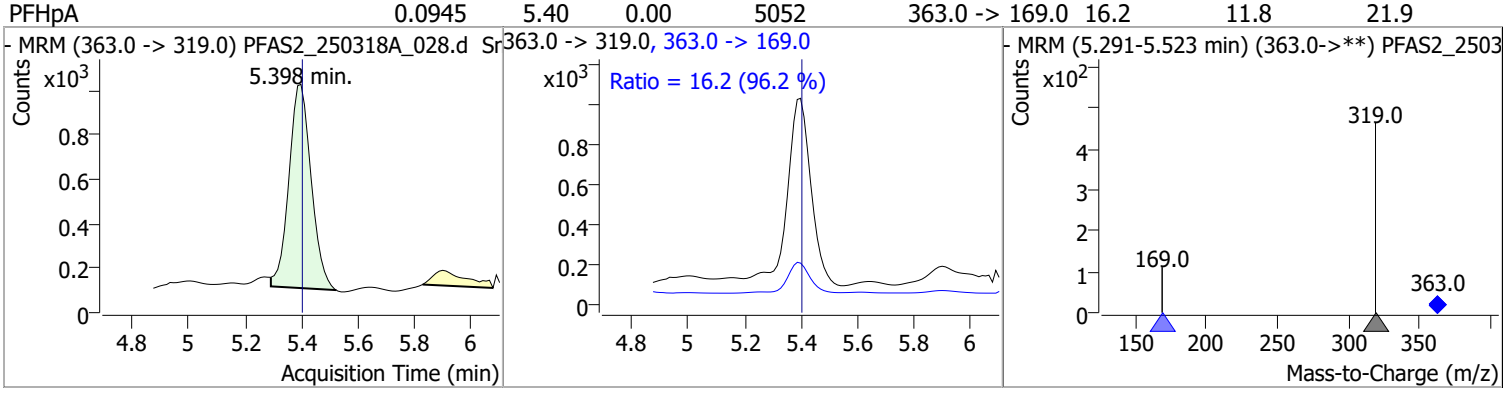
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



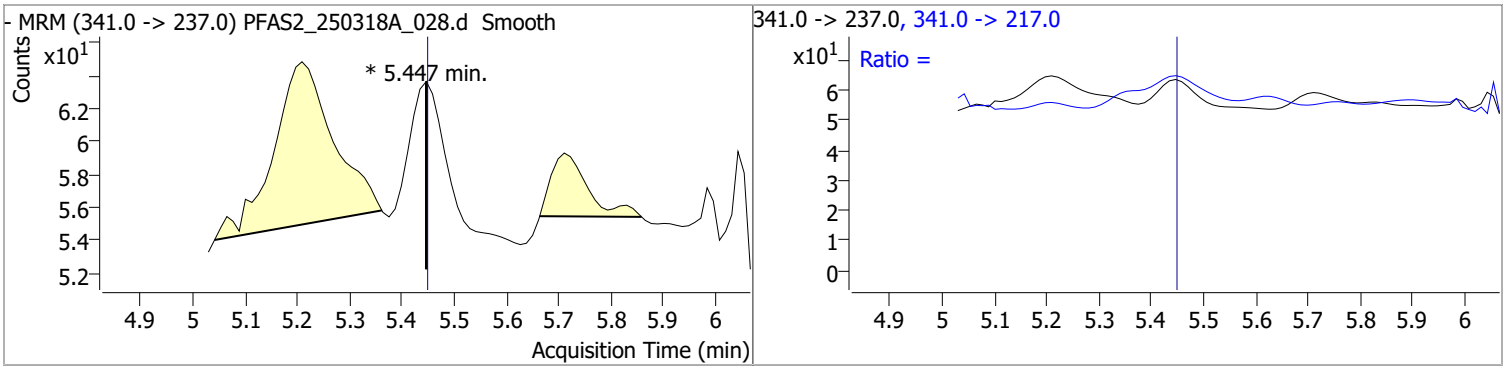
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4393	5.39	-0.01	178263				



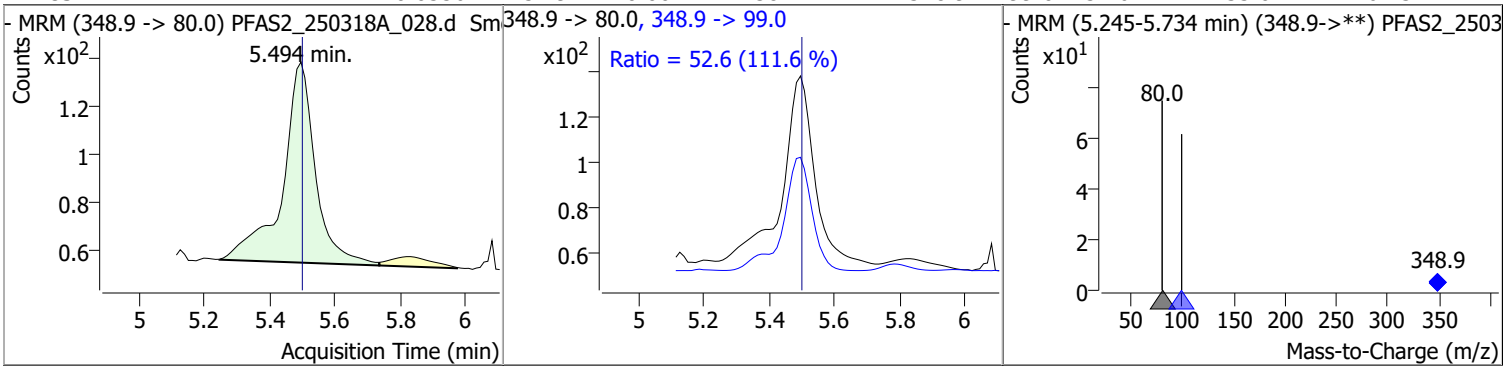
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0945	5.40	0.00	5052	363.0 -> 169.0	16.2	11.8	21.9



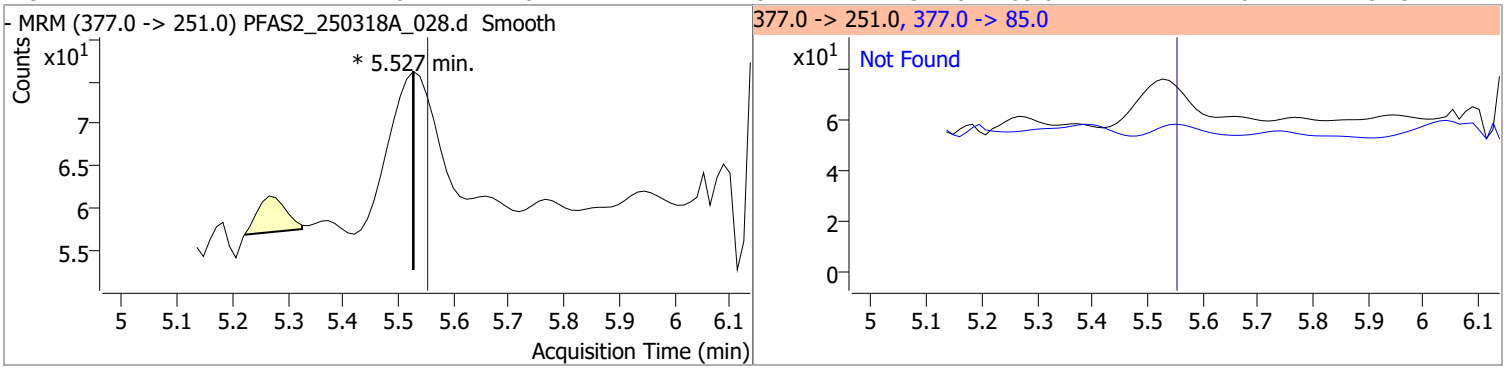
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



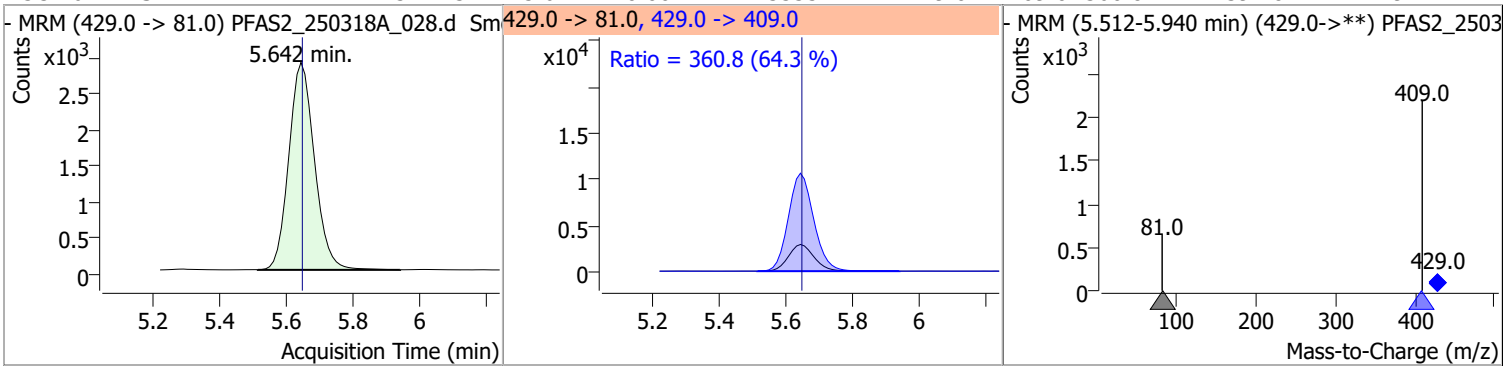
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0356	5.49	0.00	582	348.9 -> 99.0	52.6	33.0	61.3



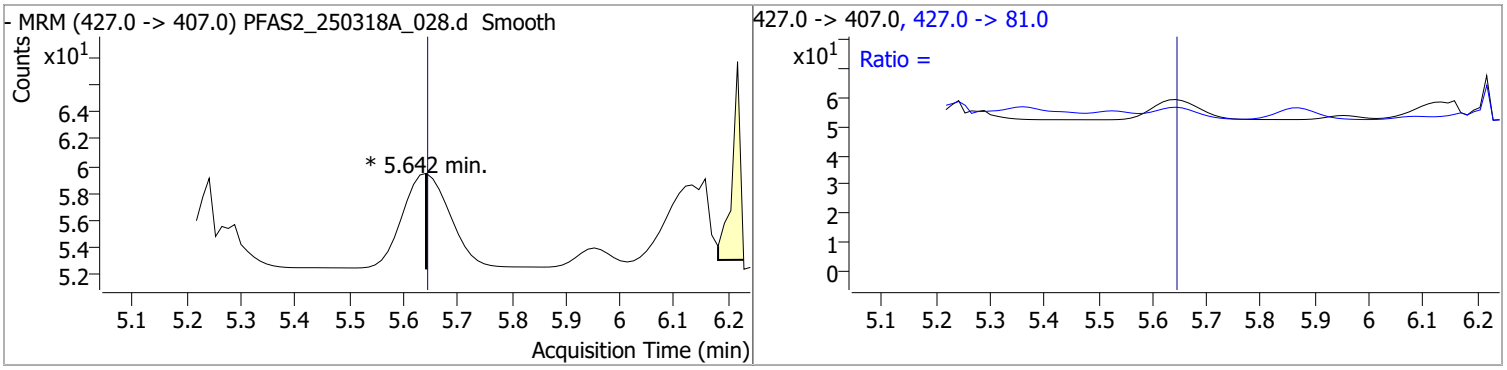
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



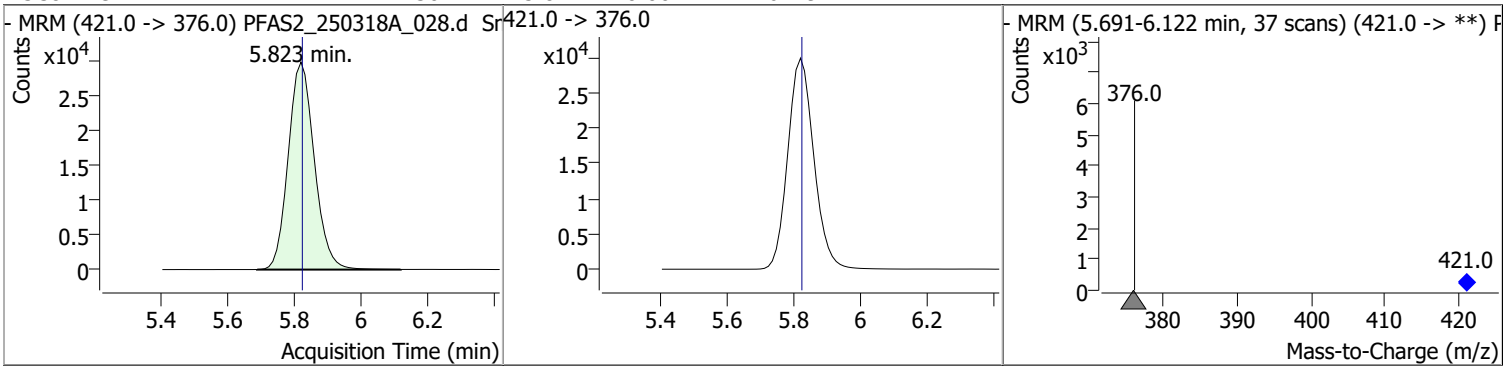
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2173	5.64	0.00	15535	429.0 -> 409.0	360.8	392.8	729.4



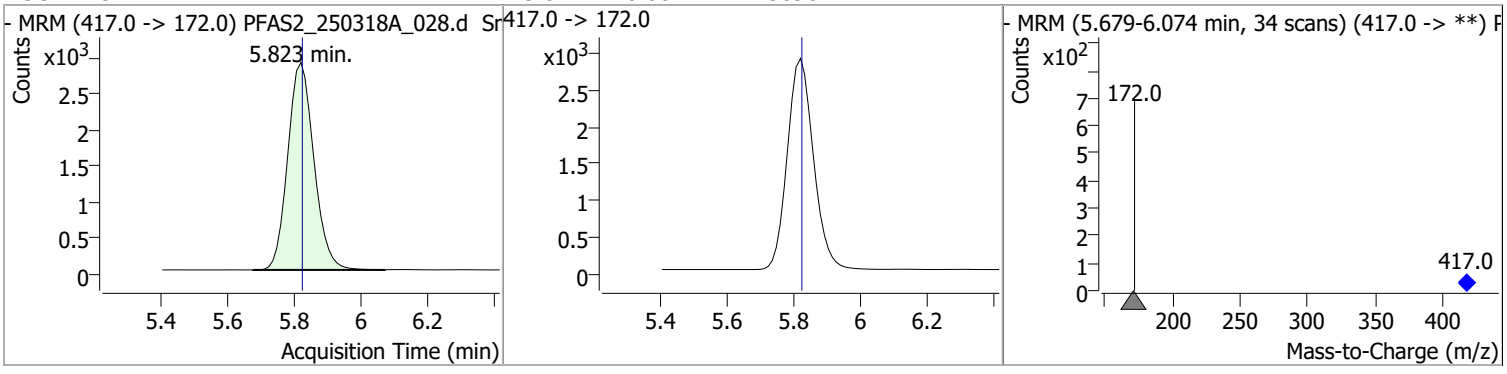
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



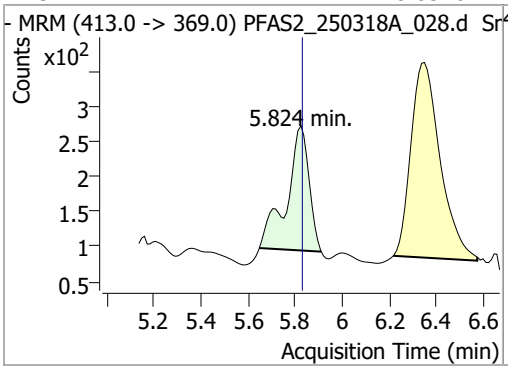
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3047	5.82	0.00	161791				

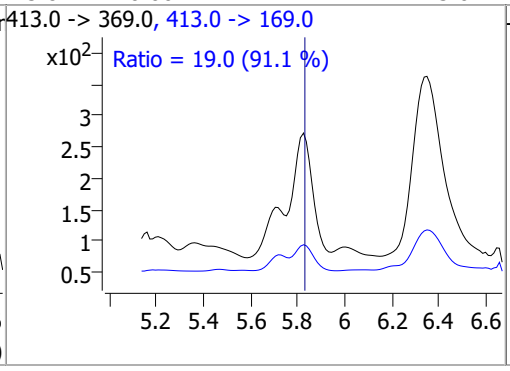


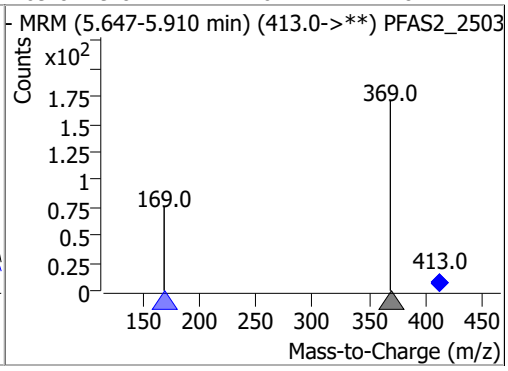
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15698				



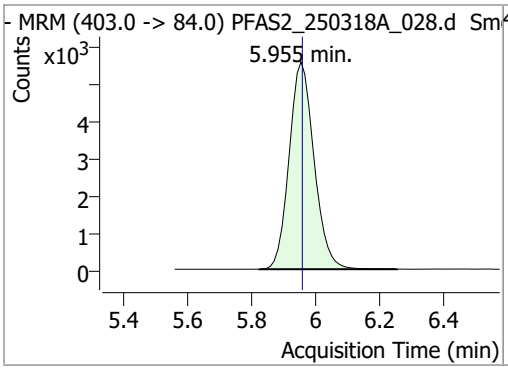
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0546	5.82	0.00	1171	413.0 -> 169.0	19.0	14.6	27.0

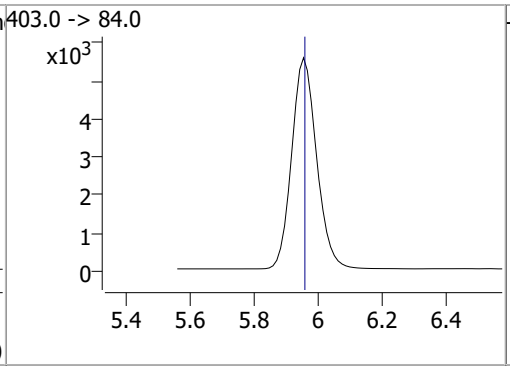


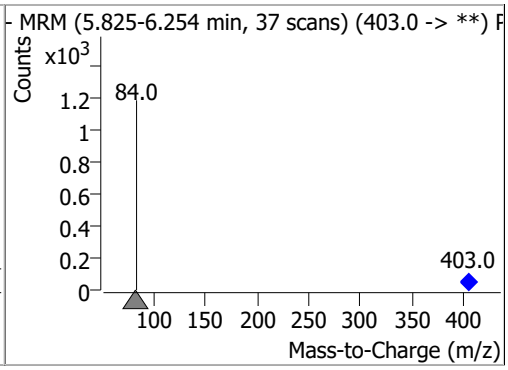




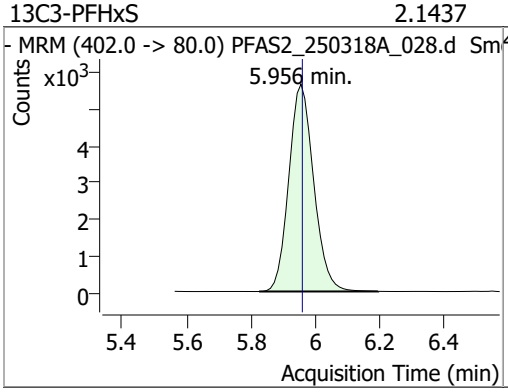
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29902				

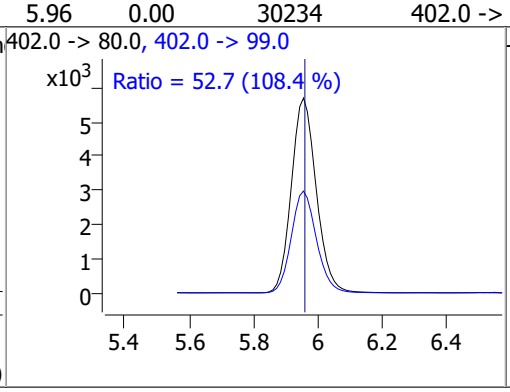


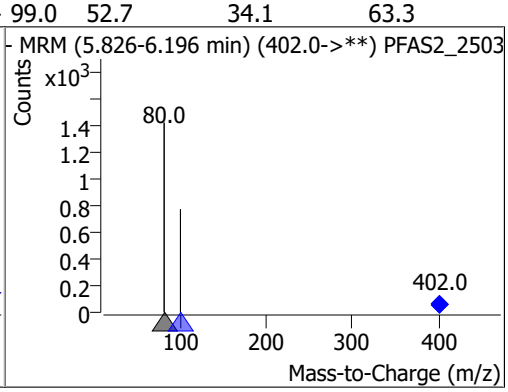




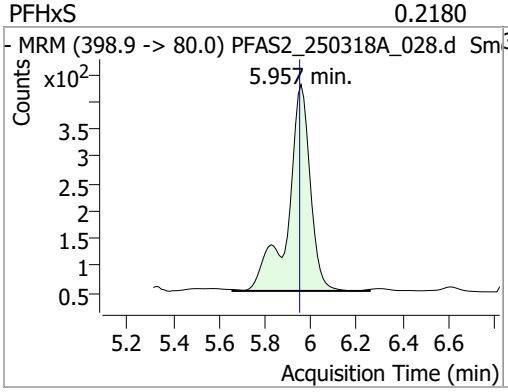
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.1437	5.96	0.00	30234	402.0 -> 99.0	52.7	34.1	63.3

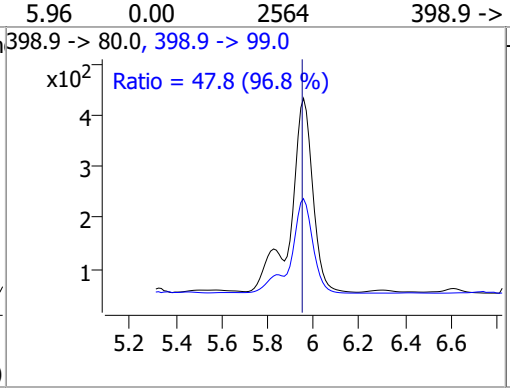


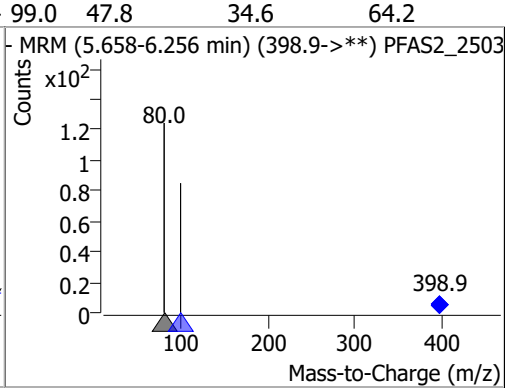




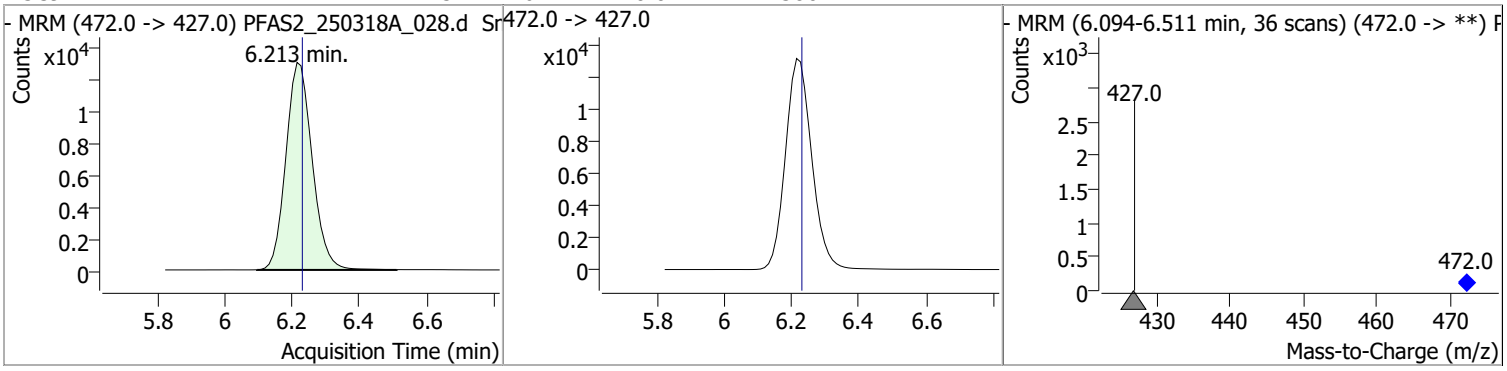
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2180	5.96	0.00	2564	398.9 -> 99.0	47.8	34.6	64.2



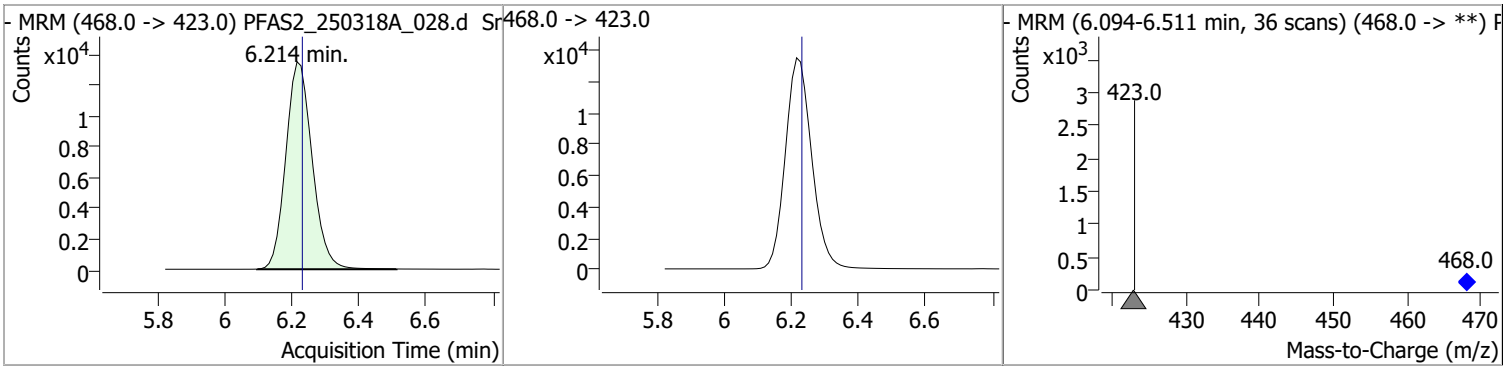




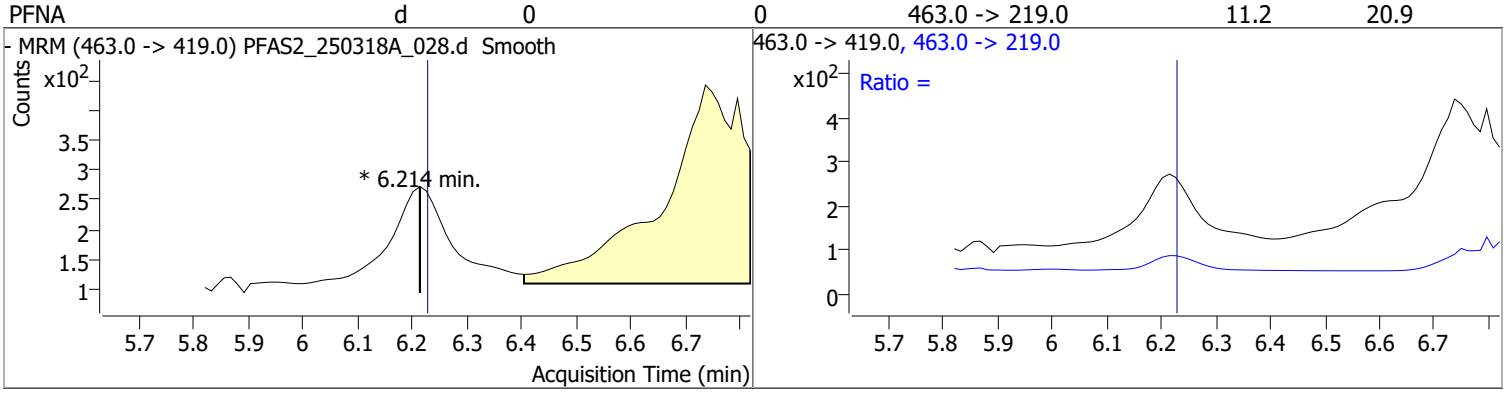
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2254	6.21	-0.01	71380				



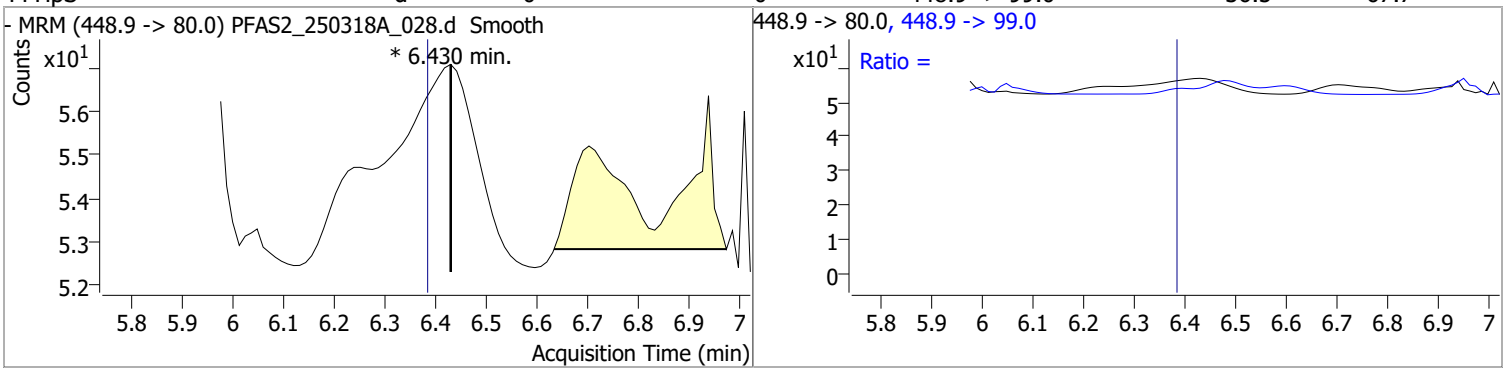
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	73509				



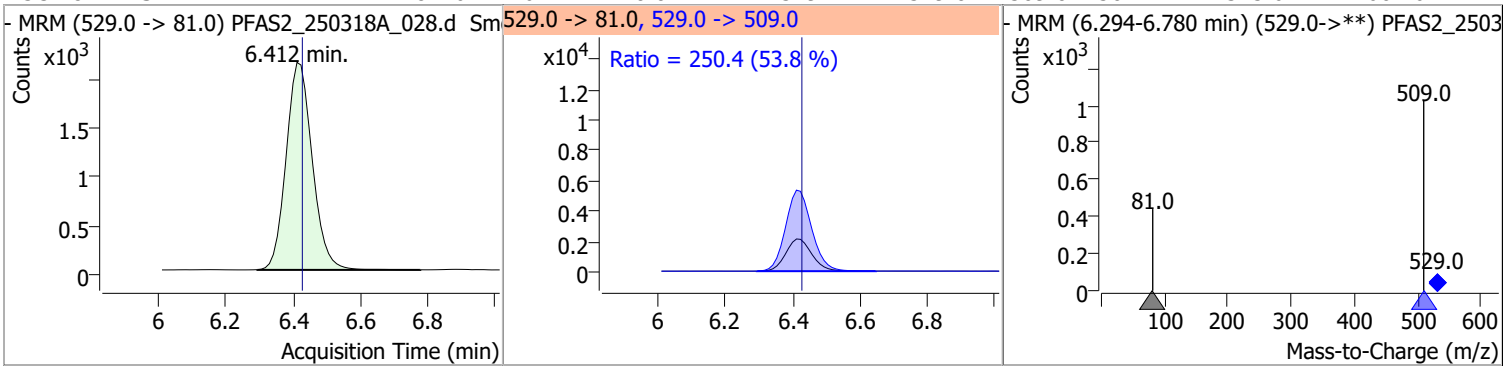
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



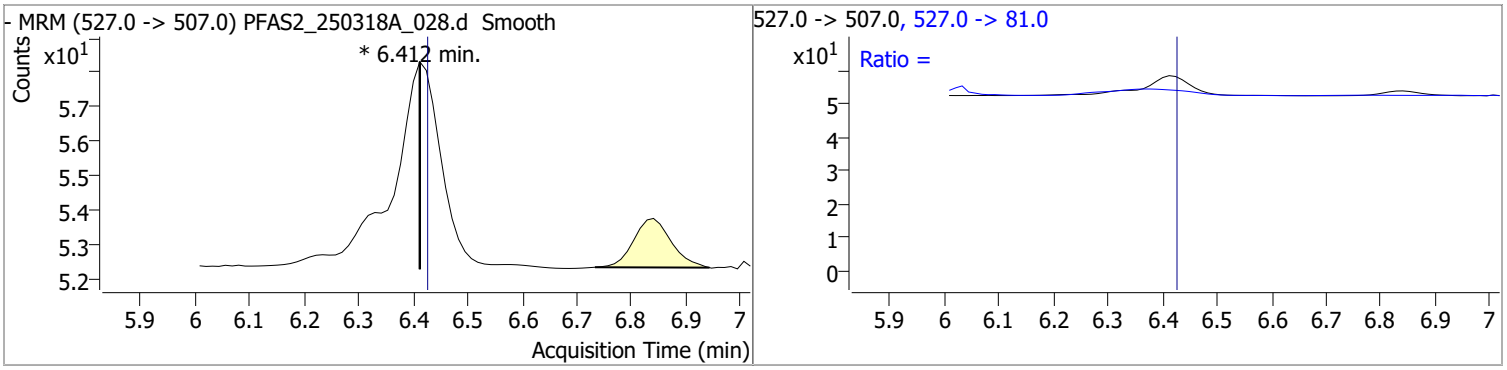
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



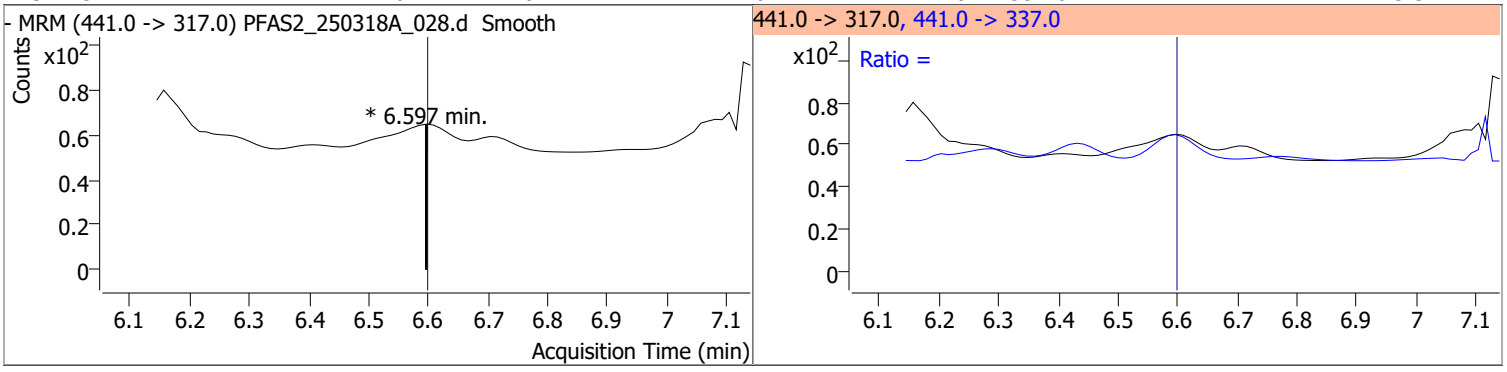
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8116	6.41	-0.01	11519	529.0 -> 509.0	250.4	325.6	604.6



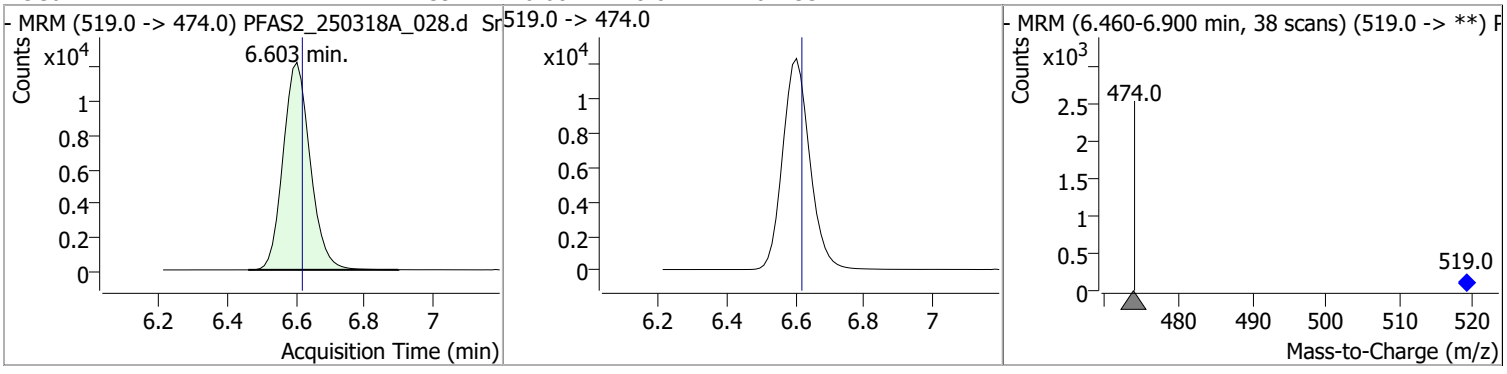
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



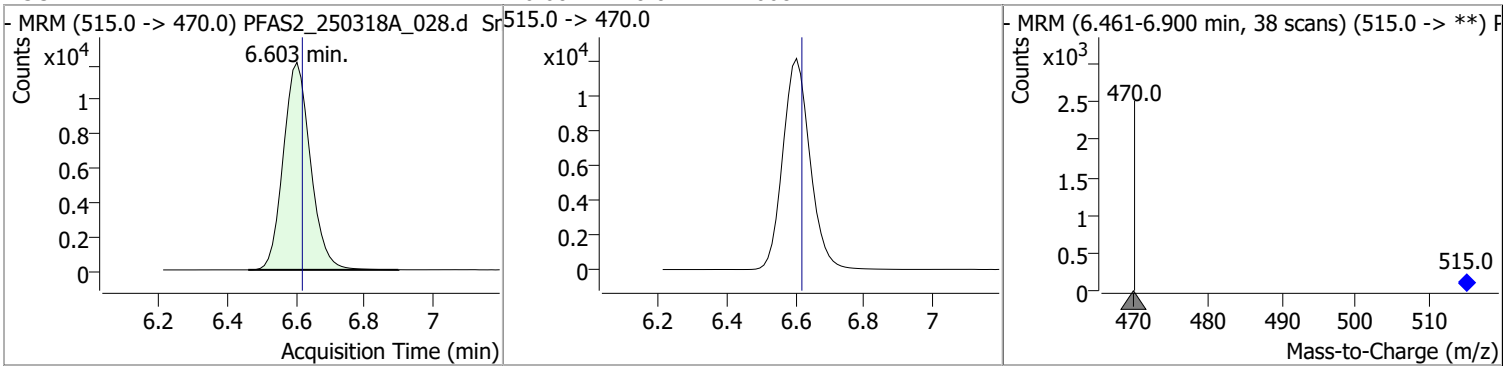
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



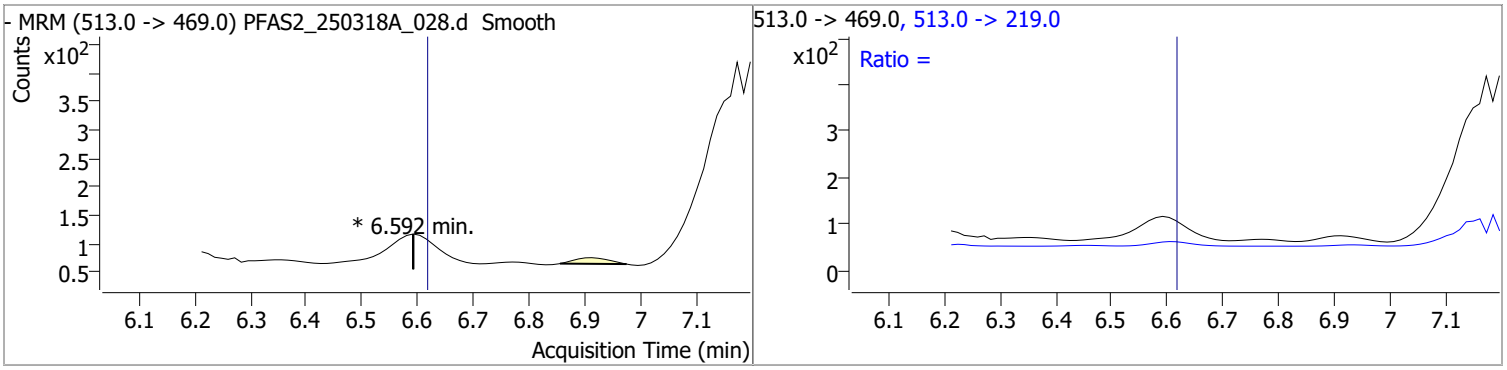
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2397	6.60	-0.01	67433				



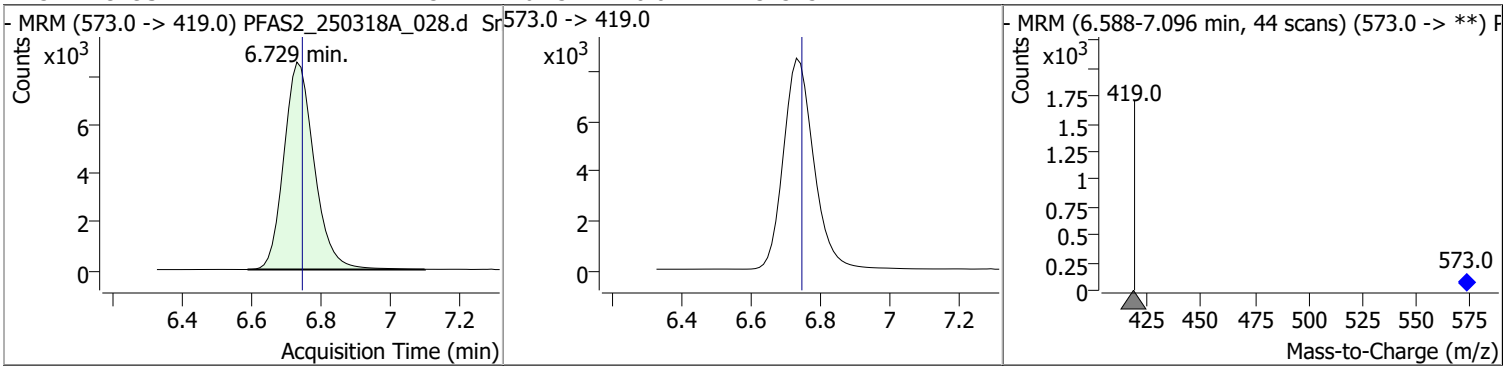
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	66847				



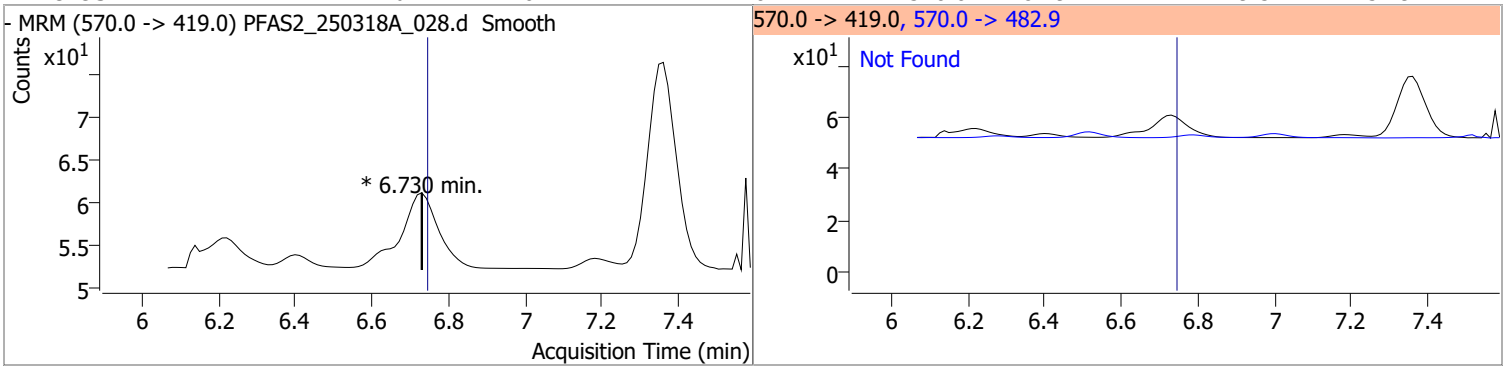
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



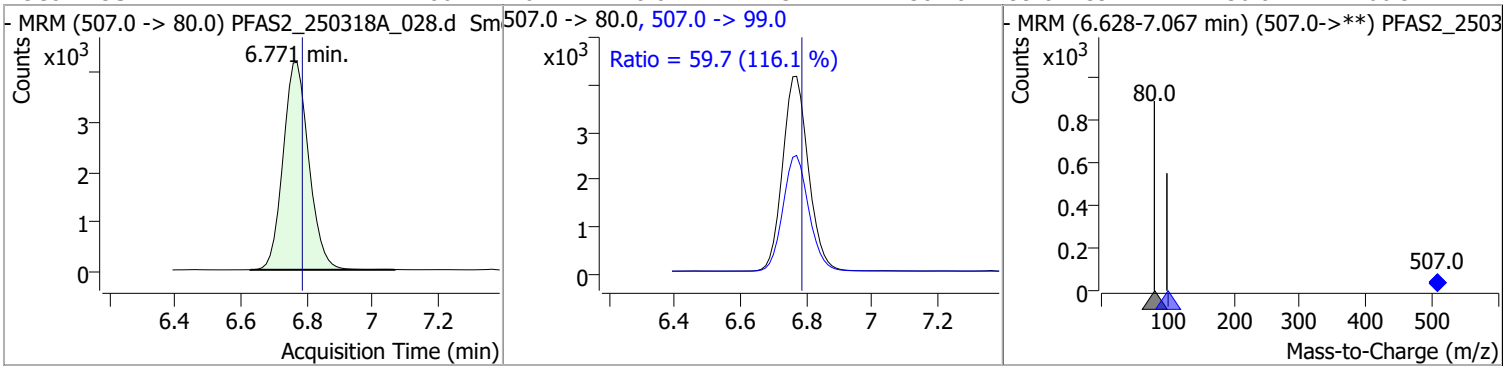
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7327	6.73	-0.01	51525				



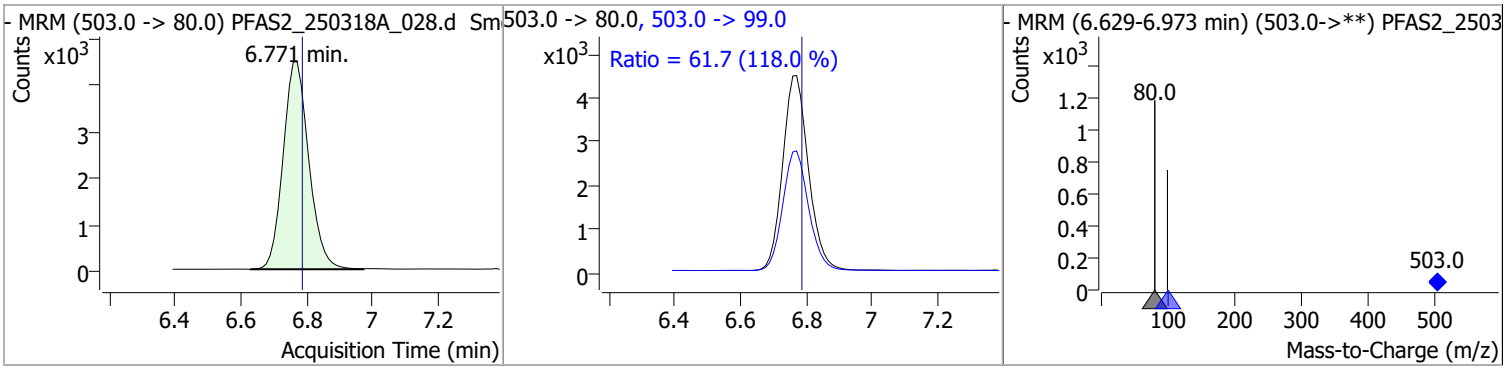
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



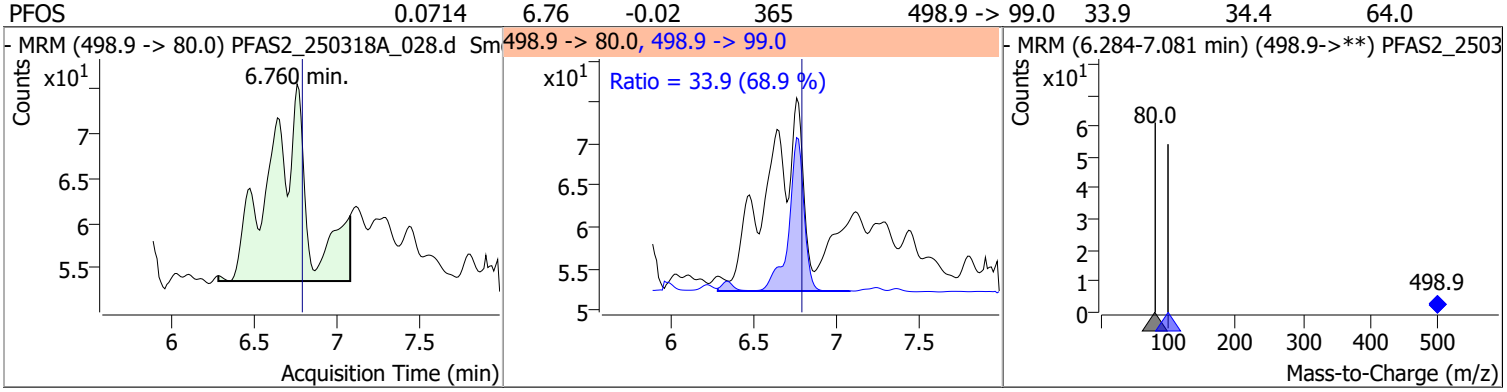
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2862	6.77	-0.01	22514	507.0 -> 99.0	59.7	36.0	66.9



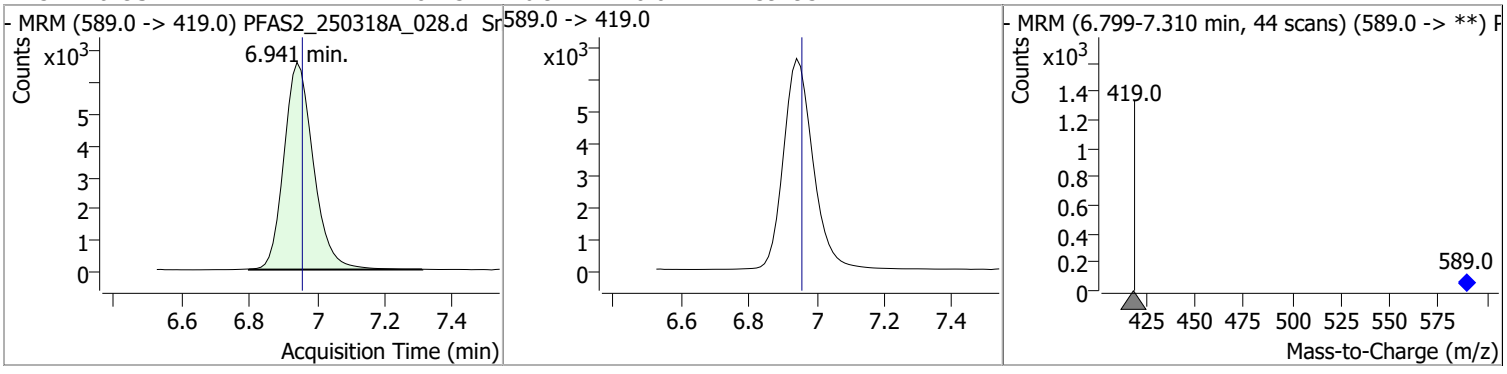
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24264	503.0 -> 99.0	61.7	36.6	67.9



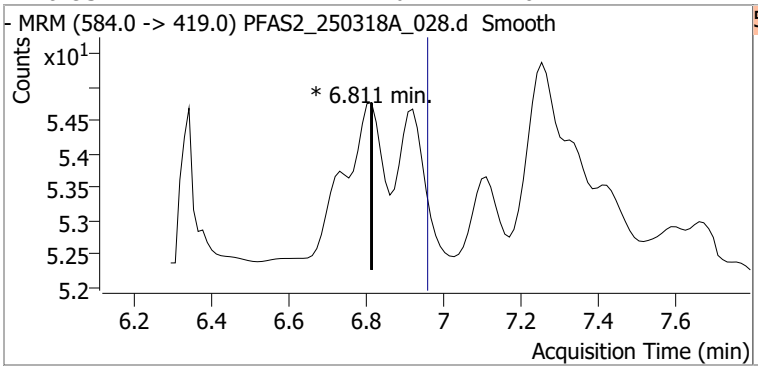
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0714	6.76	-0.02	365	498.9 -> 99.0	33.9	34.4	64.0

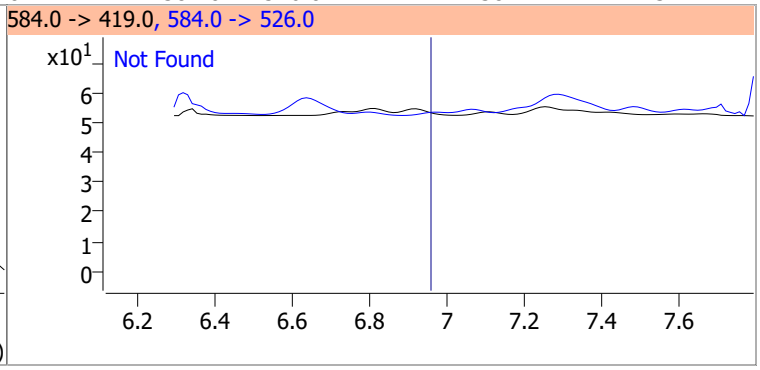


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8413	6.94	-0.01	39793				

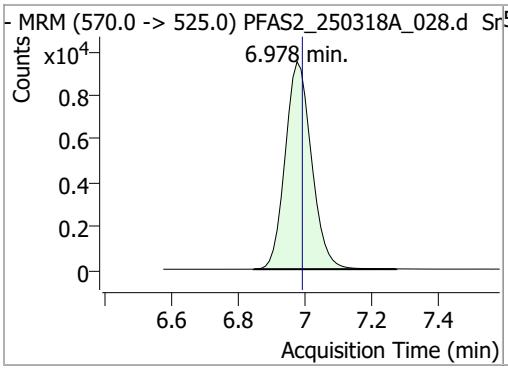


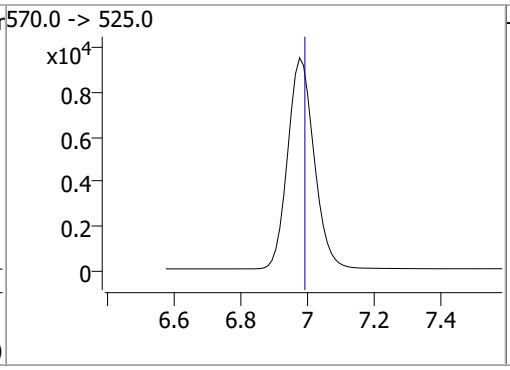
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

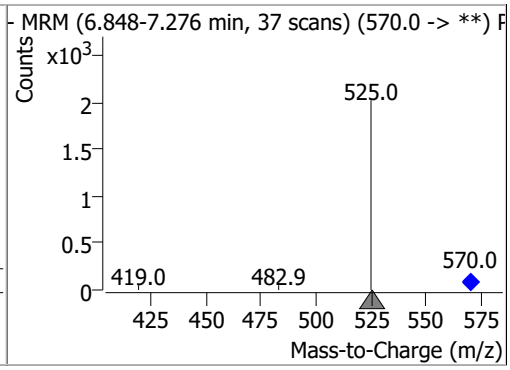




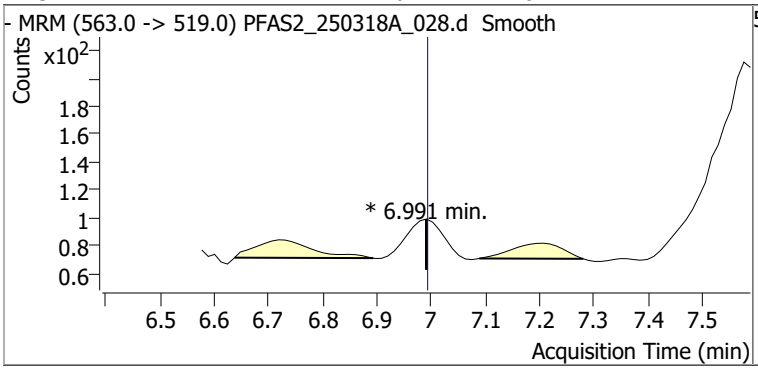
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2172	6.98	-0.01	52179				

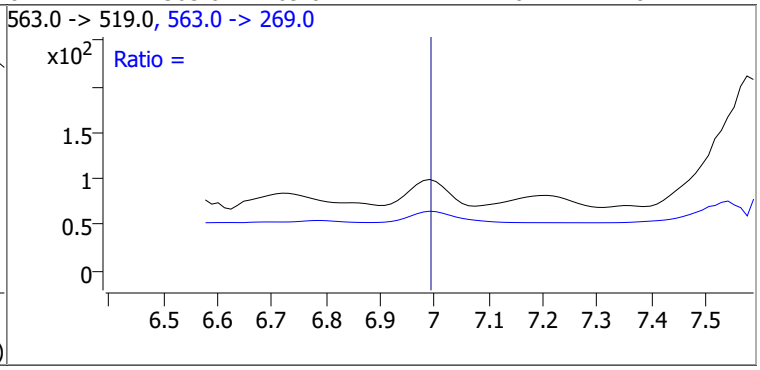




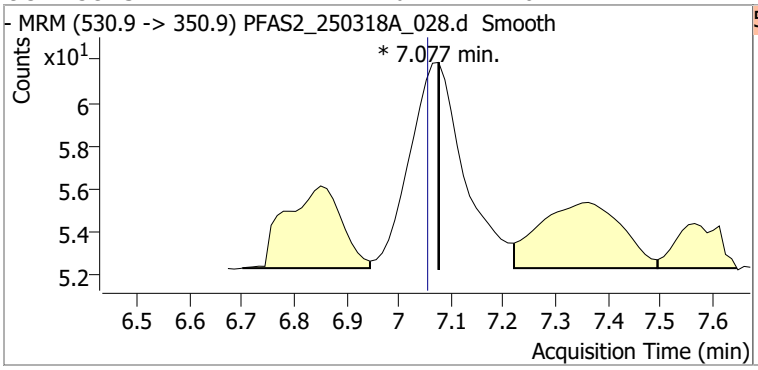


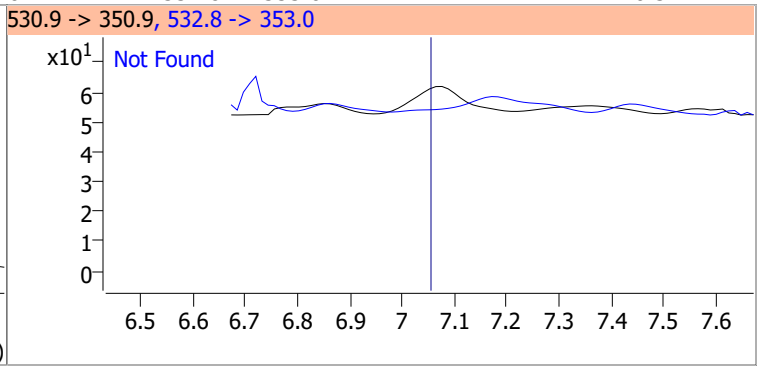
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



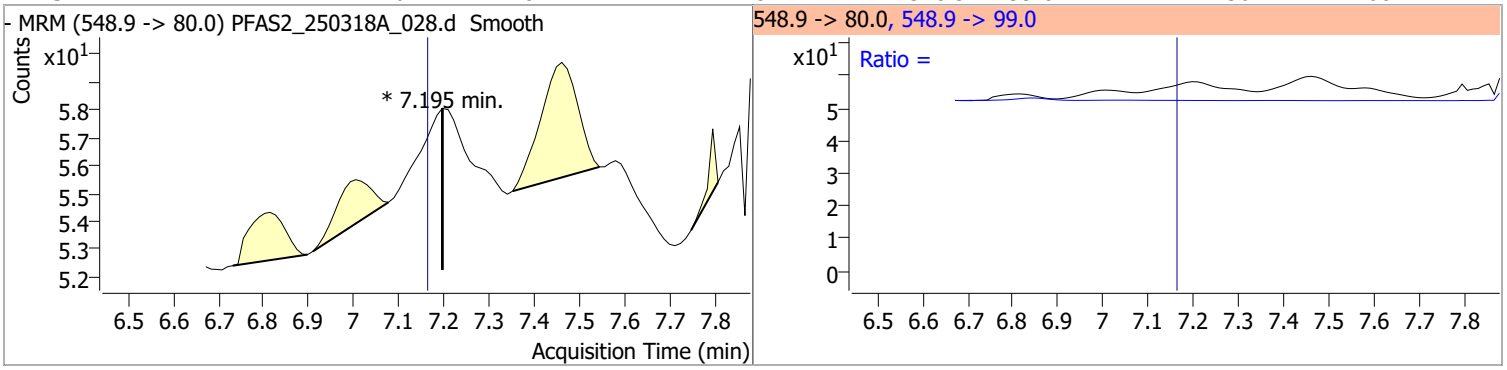


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

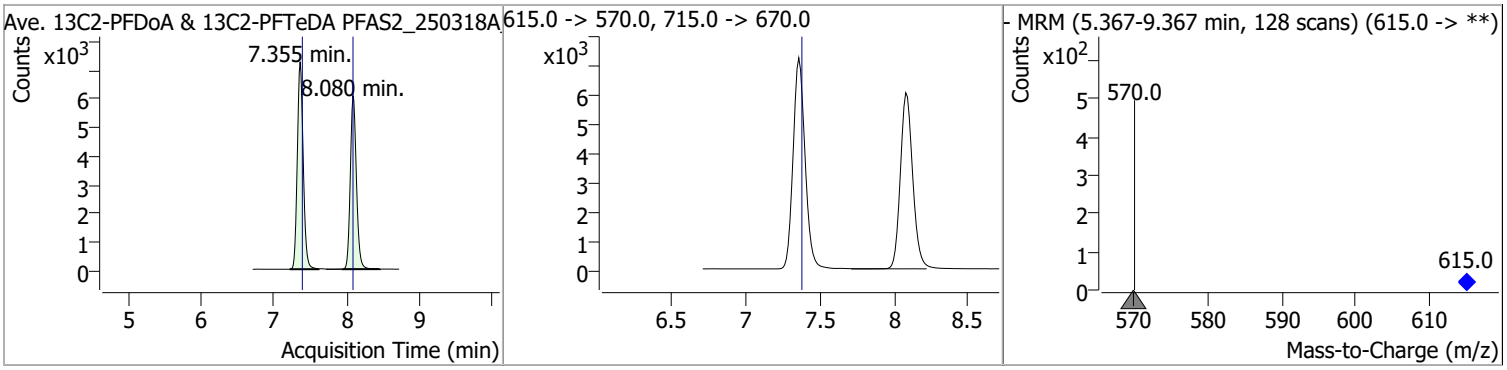




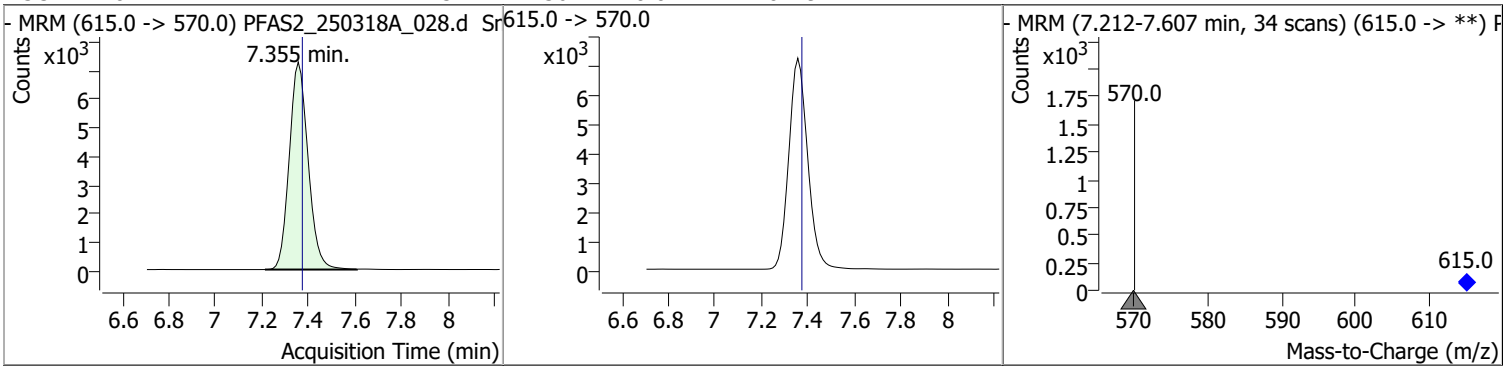
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



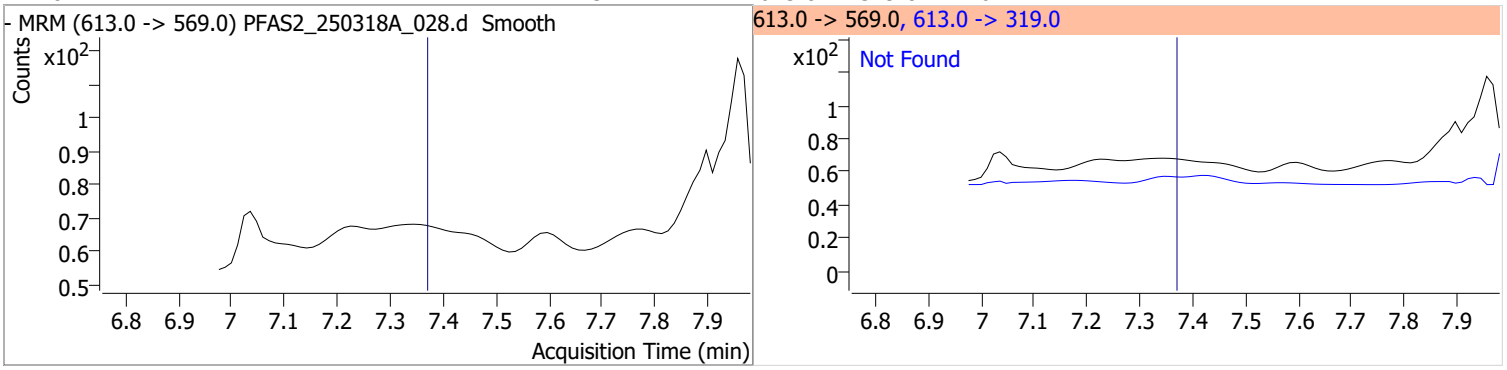
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0756	7.72	0.35	38006				



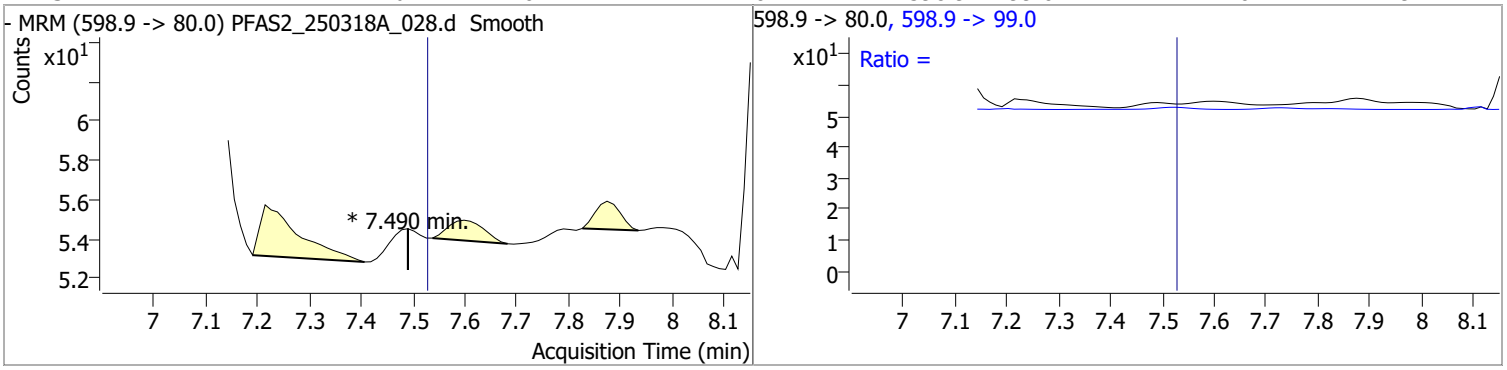
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2752	7.36	-0.01	40729				



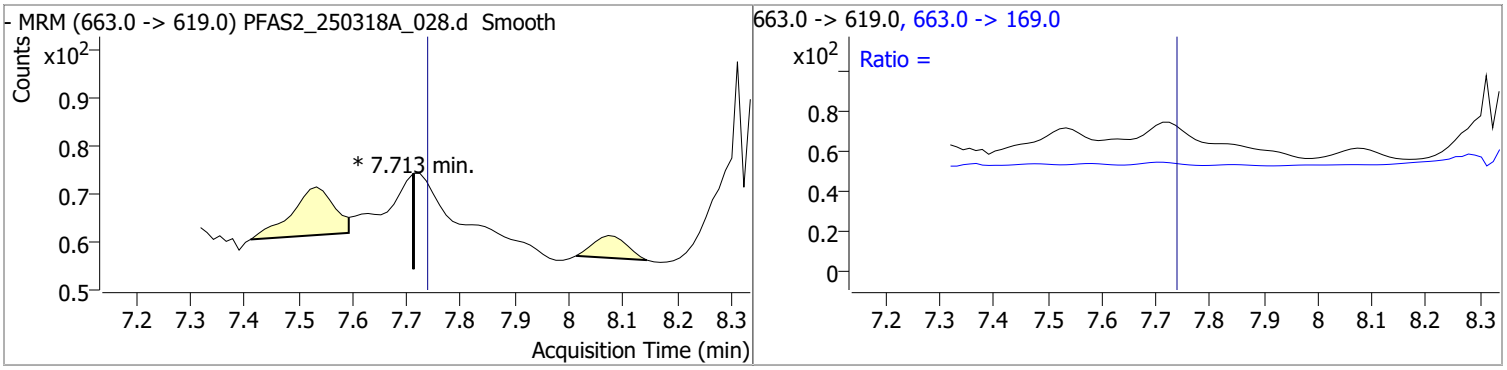
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDoDA	N.D.	7.37	613.0 -> 319.0	14.6



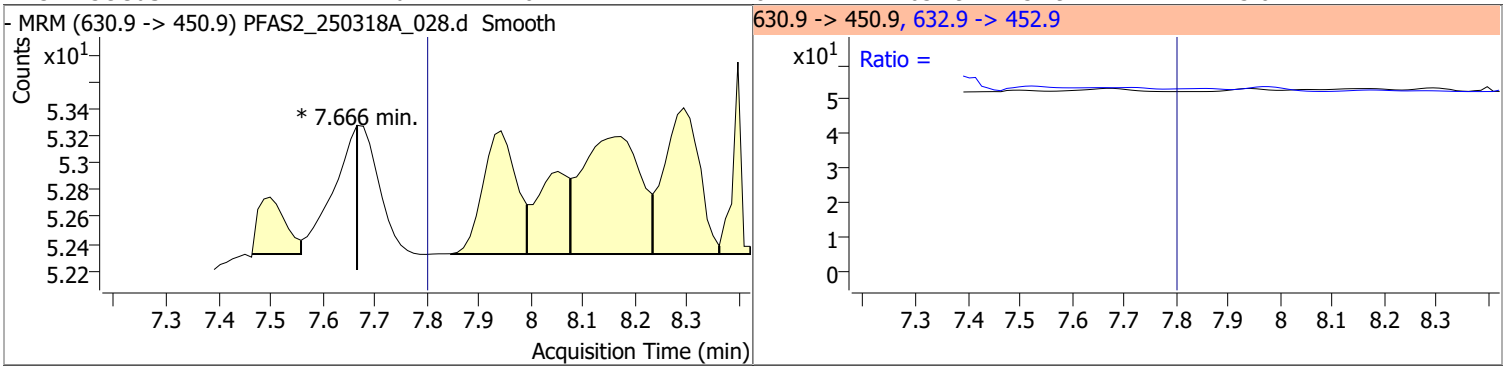
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



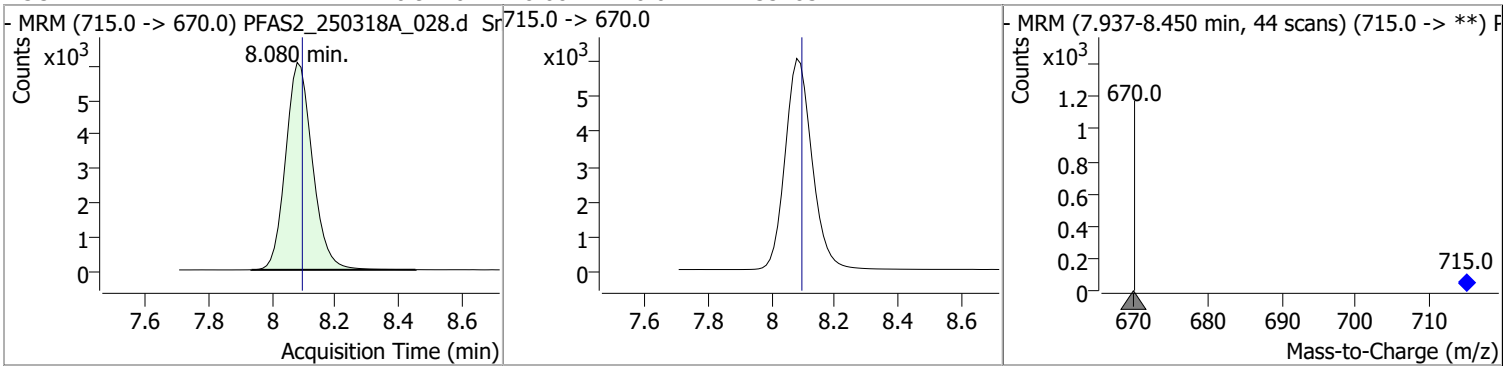
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



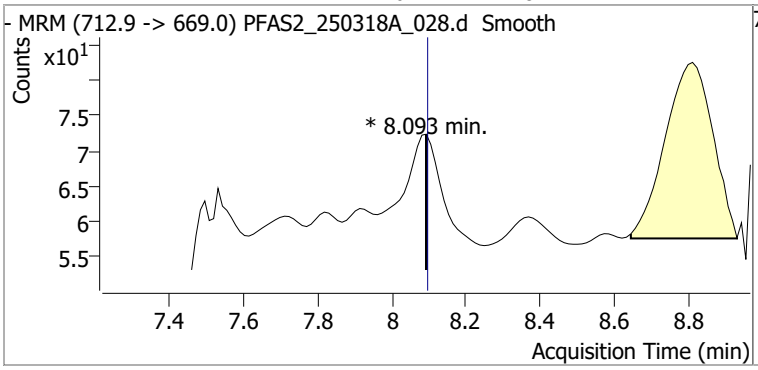
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

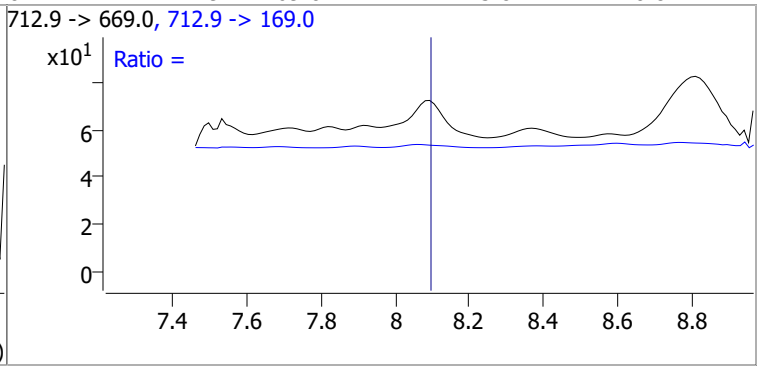


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9110	8.08	-0.01	35283				

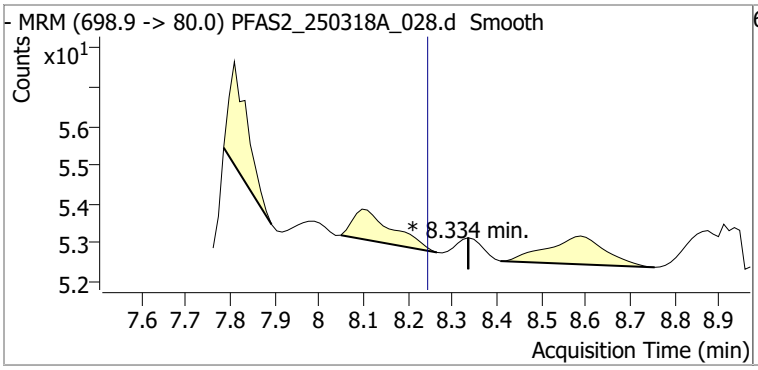


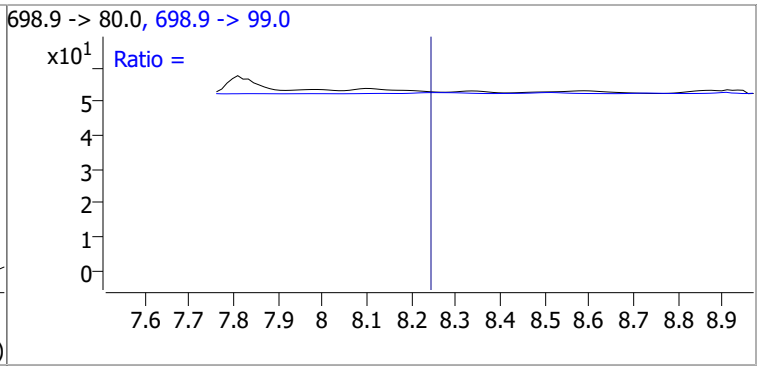
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



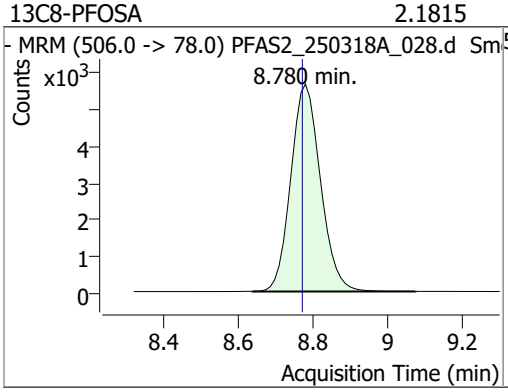


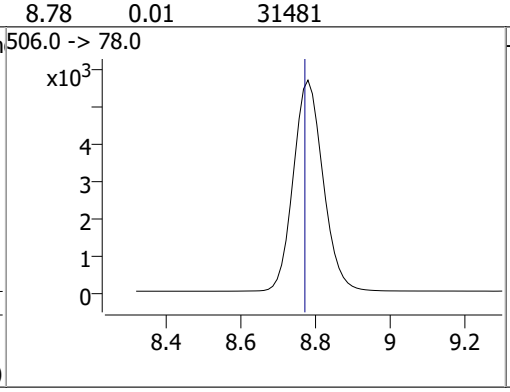
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

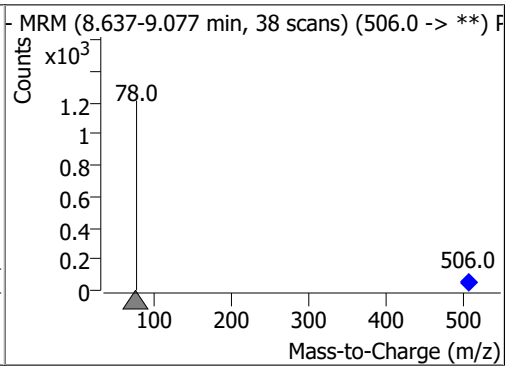




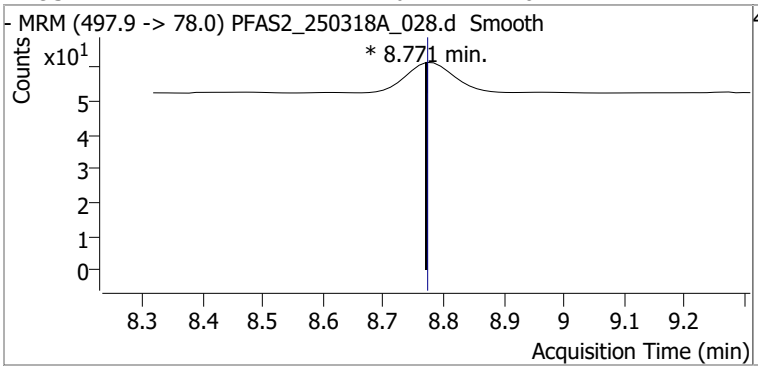
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1815	8.78	0.01	31481				

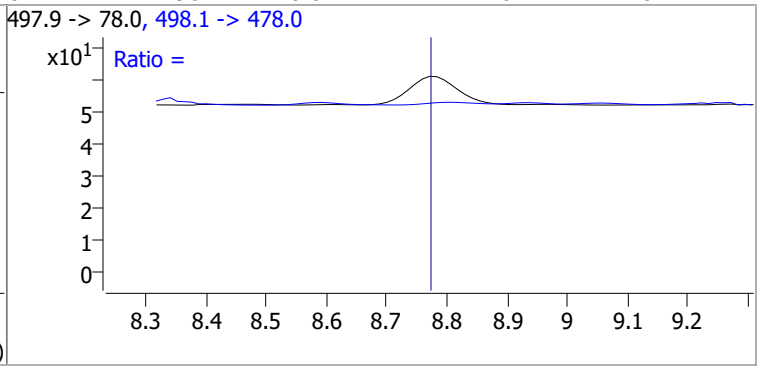




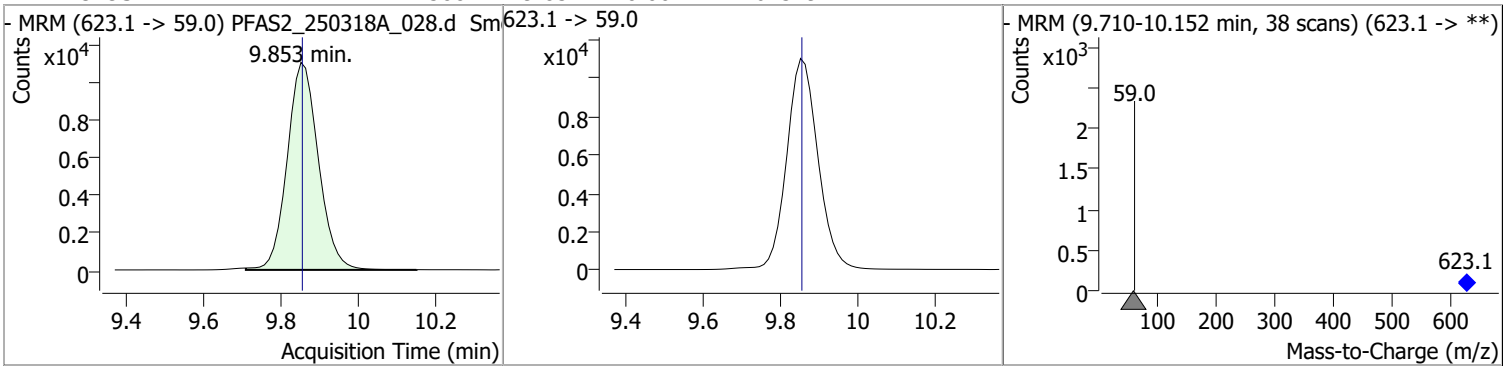


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

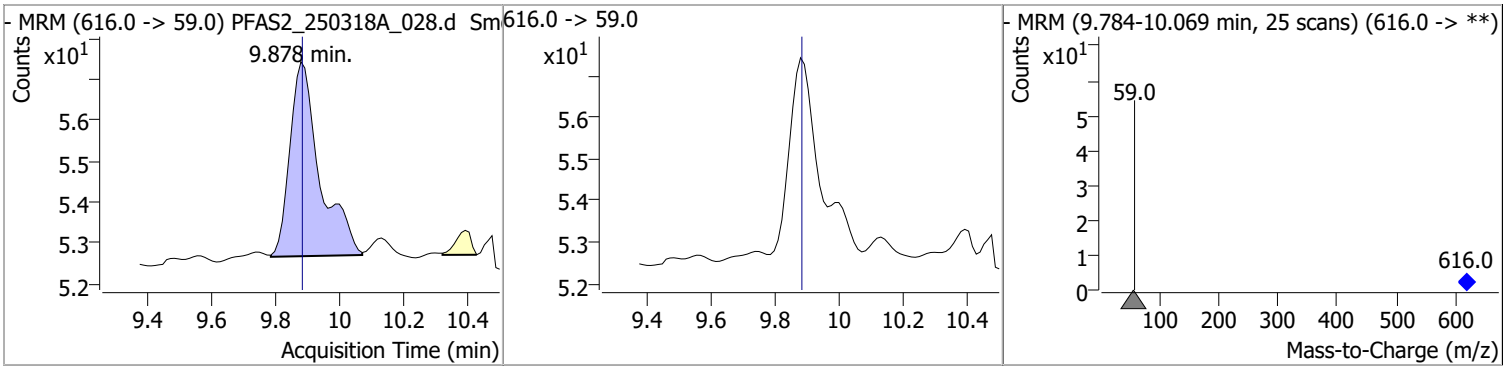




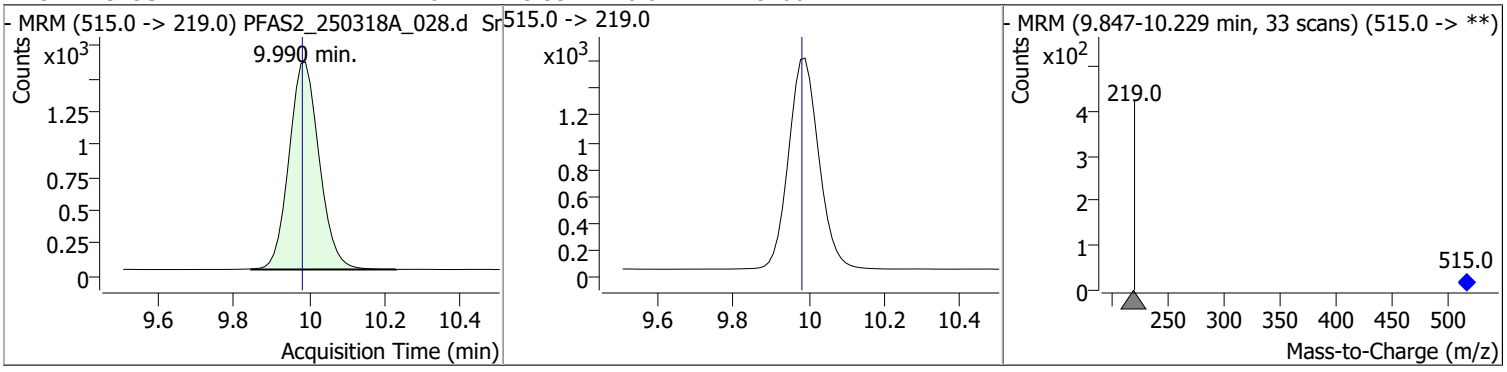
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.5882	9.85	0.00	61579				



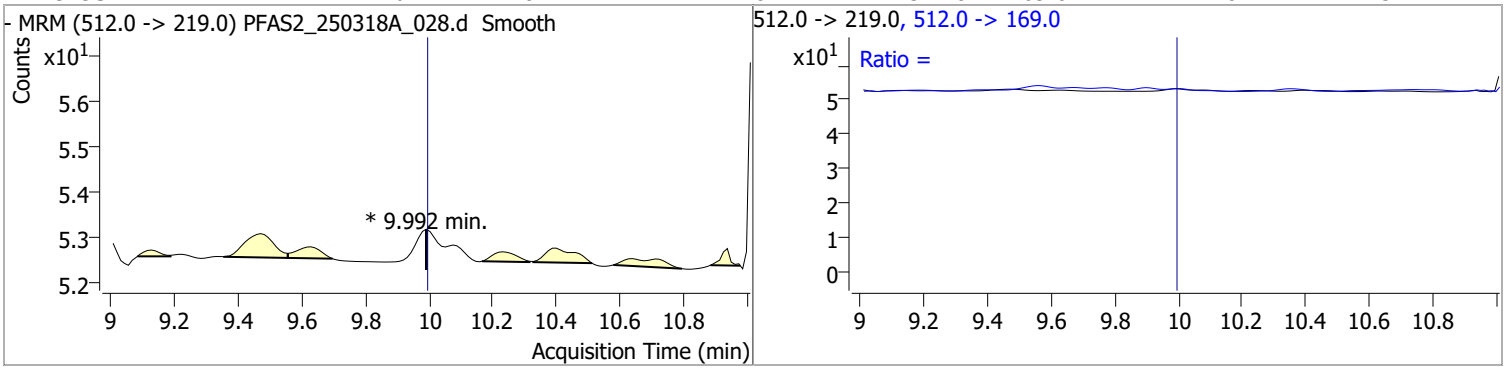
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	31				



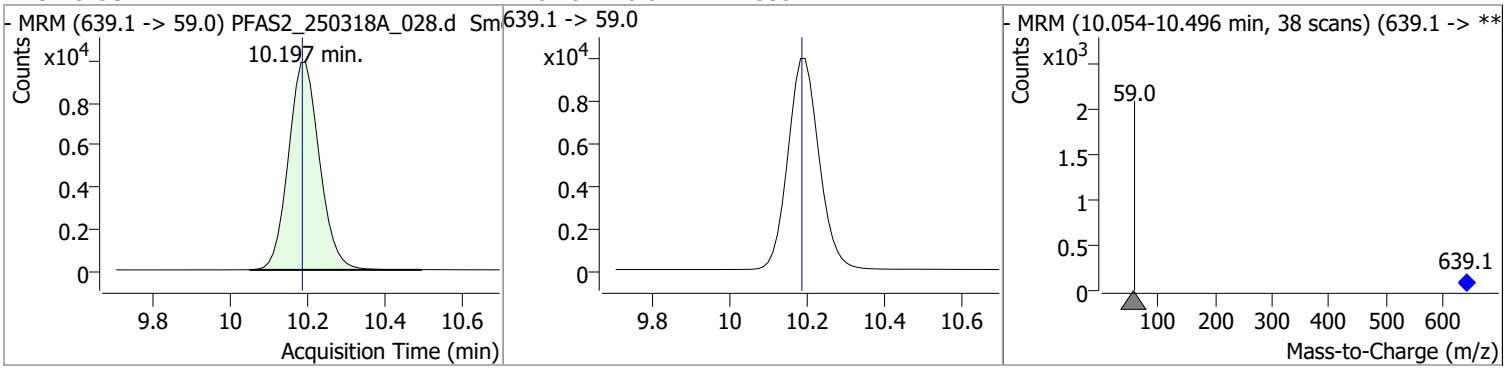
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1644	9.99	0.01	8766				



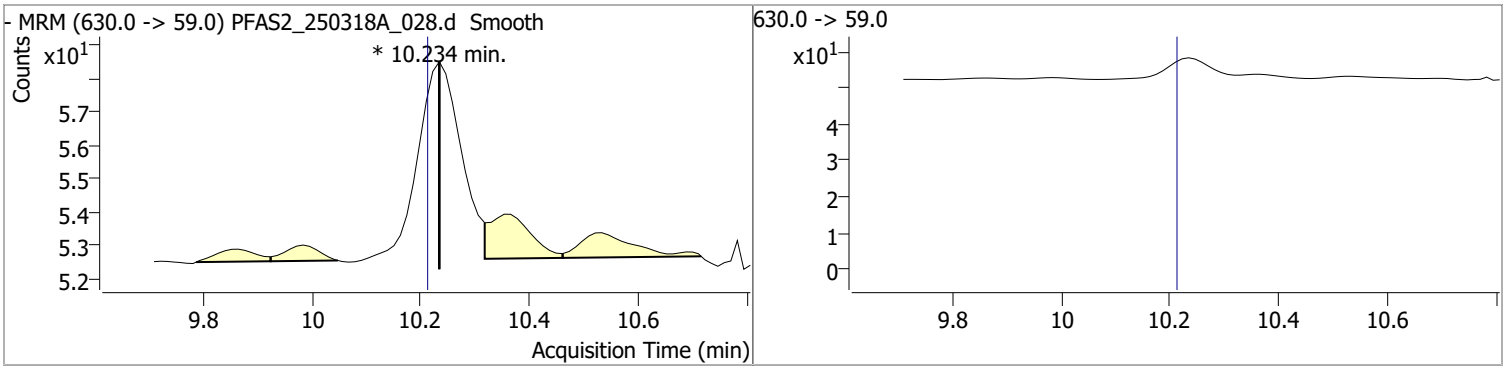
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



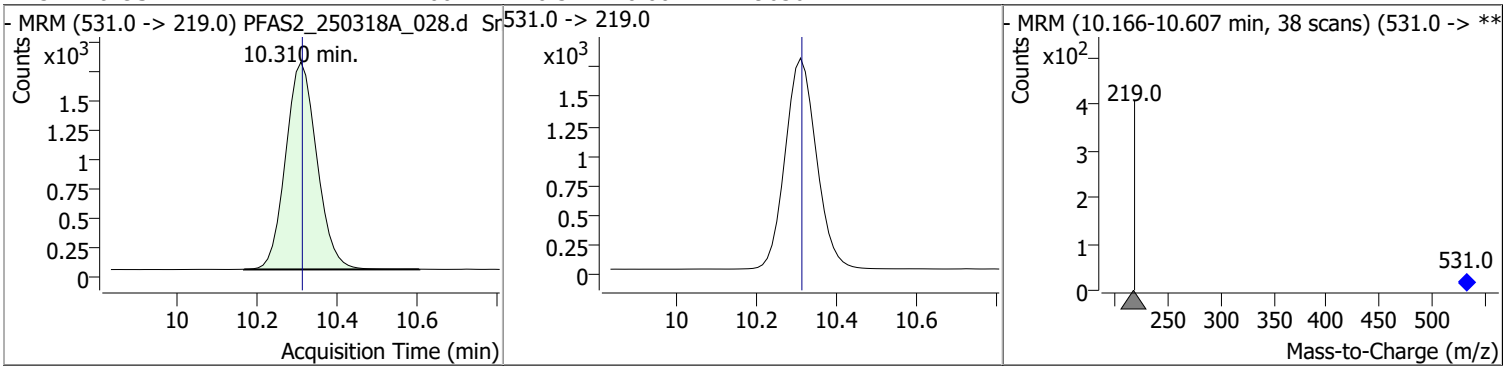
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4247	10.20	0.01	55511				



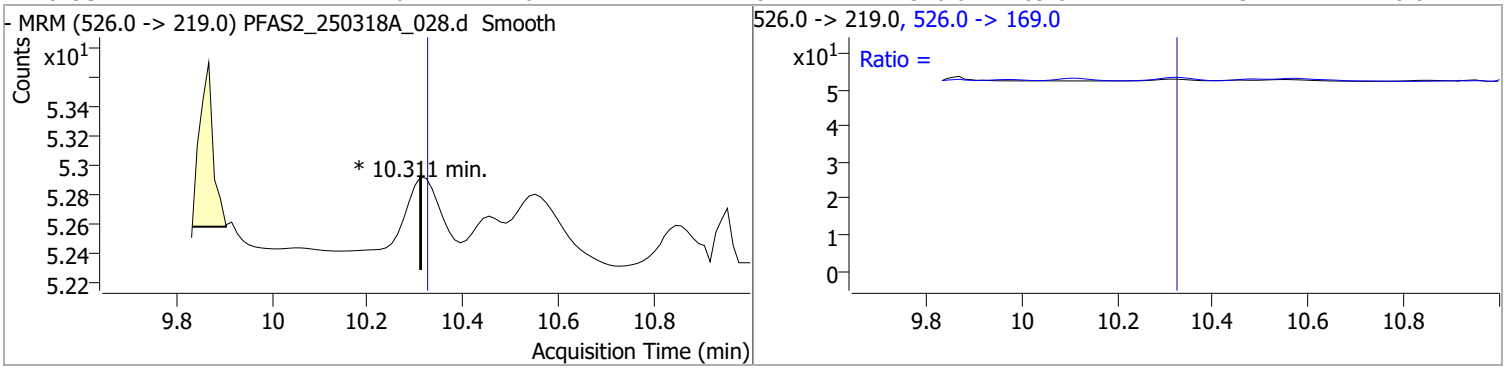
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2004	10.31	0.00	9636				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_028.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:10:11 PM
Sample Name	O25C0550-04	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

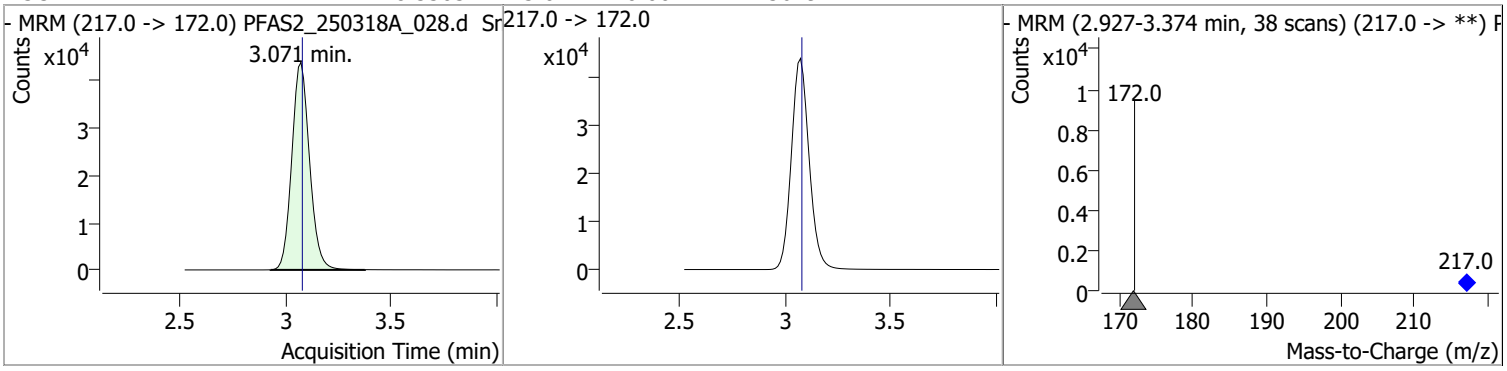
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	132161	5.0000	µg/L		-3.421
13C2-PFHxA	4.890	315.0 -> 270.0	148448	2.5000	µg/L		-3.244
18O2-PFHxS	5.955	403.0 -> 84.0	29902	2.5000	µg/L		0.918
13C4-PFOA	5.823	417.0 -> 172.0	15698	2.5000	µg/L		1.617
13C5-PFNA	6.214	468.0 -> 423.0	73509	1.2500	µg/L		3.284
13C2-PFDA	6.603	515.0 -> 470.0	66847	1.2500	µg/L		-0.044
13C4-PFOS	6.771	503.0 -> 80.0	24264	2.5000	µg/L		-2.591
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	256192	10.0000	µg/L		-17.578
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 85.30%			
13C5-PFPeA	4.222	268.0 -> 223.0	185377	5.0000	µg/L		-10.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C5-PFPeA	4.222	268.0 -> 223.0	185377	5.0000	µg/L		-10.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28677	5.0000	µg/L	#	13.504
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.93%			
13C5-PFHxA	4.889	318.0 -> 273.0	144734	2.5000	µg/L		-14.279
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.57%			
13C5-PFHxA	4.889	318.0 -> 273.0	144734	2.5000	µg/L		-14.279
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.57%			
13C3-PFBS	4.929	302.0 -> 80.0	50068	2.5000	µg/L		-17.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 81.79%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163703	10.0000	µg/L		-6.332
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C4-PFHpA	5.385	367.0 -> 322.0	178263	2.5000	µg/L		-5.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.57%			
13C3-PFHxS	5.956	402.0 -> 80.0	30234	2.5000	µg/L		-13.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15535	5.0000	µg/L	#	5.191
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.35%			
13C8-PFOA	5.823	421.0 -> 376.0	161791	2.5000	µg/L		-6.339
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C3-PFHxS	5.956	402.0 -> 80.0	30234	2.5000	µg/L		-13.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.75%			
13C9-PFNA	6.213	472.0 -> 427.0	71380	1.2500	µg/L		1.300
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
13C8-PFOS	6.771	507.0 -> 80.0	22514	2.5000	µg/L		-10.955
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.45%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11519	5.0000	µg/L	#	-2.758
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C6-PFDA	6.603	519.0 -> 474.0	67433	1.2500	µg/L		-0.776
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.17%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51525	5.0000	µg/L		-7.693
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.65%			
13C8-PFOS	6.771	507.0 -> 80.0	22514	2.5000	µg/L		-10.955

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.45%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	39793	5.0000	µg/L		-5.635
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.83%			
13C7-PFUnDA	6.978	570.0 -> 525.0	52179	1.2500	µg/L		-2.656
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.37%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	38006	1.2500	µg/L		-13.848
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.05%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40729	1.2500	µg/L		1.963
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 102.02%			
13C2-PFTDA	8.080	715.0 -> 670.0	35283	1.2500	µg/L		-26.928
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.88%			
13C8-PFOSA	8.780	506.0 -> 78.0	31481	2.5000	µg/L		-14.827
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	61579	25.0000	µg/L		-50.989
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 50.35%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8766	2.5000	µg/L		-15.466
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.58%			
2H9-EtFOSE	10.197	639.1 -> 59.0	55511	25.0000	µg/L		-12.594
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.70%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9636	2.5000	µg/L		-14.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.01%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6817	0.3842	µg/L		100
PFMPA	3.614	229.0 -> 85.0	82	0.0596	µg/L		100
3-3 FTCA	4.107	241.0 -> 177.0	49	0.0203	µg/L		21
PFPeA	4.223	263.0 -> 219.0	21175	0.6410	µg/L		100
PFMBA	4.465	279.0 -> 85.0	49	0.0356	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	32	0.0018	µg/L		41
NFDHA	4.834	295.0 -> 201.0	15	0.0141	µg/L		48
PFHxA	4.892	313.0 -> 269.0	11239	0.2170	µg/L		98
PFBS	4.930	298.9 -> 80.0	4004	0.1927	µg/L		89
HFPO-DA	5.087	285.0 -> 169.0	49	0.0033	µg/L	#	1
PFEESA	5.153	314.9 -> 135.0	56	0.0523	µg/L		80
PFHpA	5.398	363.0 -> 319.0	5052	0.0945	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	33	0.1851	µg/L	#	1
PFPeS	5.494	348.9 -> 80.0	582	0.0356	µg/L		92
DONA	5.527	377.0 -> 251.0	106	0.0686	µg/L		46
6-2 FTSA	5.642	427.0 -> 407.0	36	0.1133	µg/L		88
PFOA	5.824	413.0 -> 369.0	1171	0.0546	µg/L		96
PFHxS	5.957	398.9 -> 80.0	2564	0.2180	µg/L		98
PFNA	6.214	463.0 -> 419.0	1235	0.0289	µg/L		99
PFHpS	6.430	448.9 -> 80.0	50	0.0053	µg/L		91
8-2 FTSA	6.412	527.0 -> 507.0	36	0.0793	µg/L	#	64
7-3 FTCA	6.597	441.0 -> 317.0	95	0.2756	µg/L	#	38
PFDA	6.592	513.0 -> 469.0	290	0.0027	µg/L	#	89
N-MeFOSAA	6.730	570.0 -> 419.0	62	0.0150	µg/L		33
PFOS	6.760	498.9 -> 80.0	365	0.0714	µg/L	#	78
N-EtFOSAA	6.811	584.0 -> 419.0	32	0.0154	µg/L		24
PFUnDA	6.991	563.0 -> 519.0	128	0.0165	µg/L	#	11
9Cl-PF3ONS	7.077	530.9 -> 350.9	68	0.0663	µg/L		44
PFNS	7.195	548.9 -> 80.0	23	0.0030	µg/L		26
PFDoDA	0.000		0	N.D.			
PFDS	7.490	598.9 -> 80.0	3	0.0005	µg/L		88
PFTrDA	7.713	663.0 -> 619.0	68	0.0024	µg/L		97

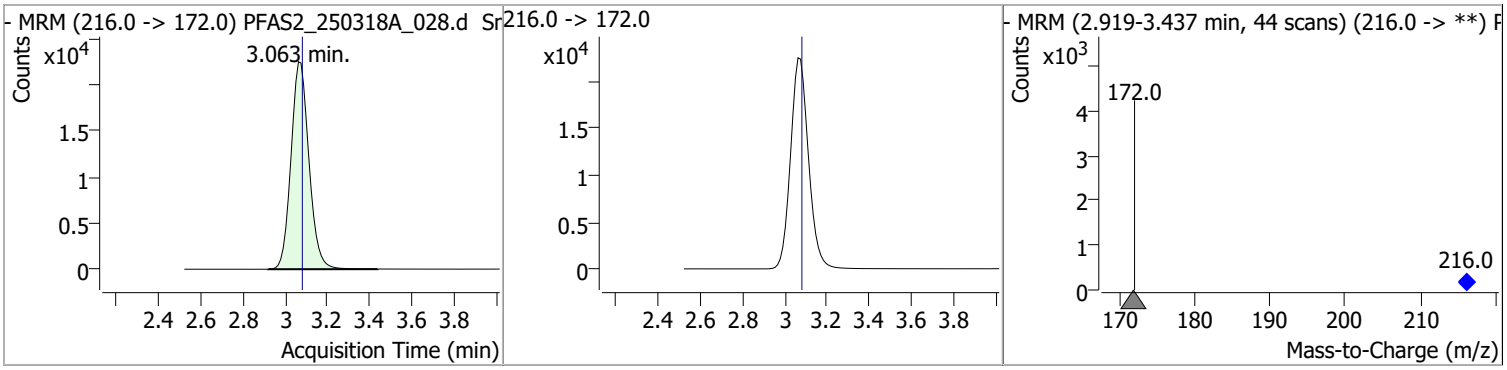
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.666	630.9 -> 450.9	6	0.0003	µg/L		42
PFTDA	8.093	712.9 -> 669.0	72	0.0090	µg/L	#	90
PFDoS	8.334	698.9 -> 80.0	3	0.0007	µg/L		89
PFOSA	8.771	497.9 -> 78.0	49	0.0045	µg/L	#	93
MeFOSE	9.878	616.0 -> 59.0	31	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	4	0.0013	µg/L		92
EtFOSE	10.234	630.0 -> 59.0	33	0.0259	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	1	0.0003	µg/L	#	1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

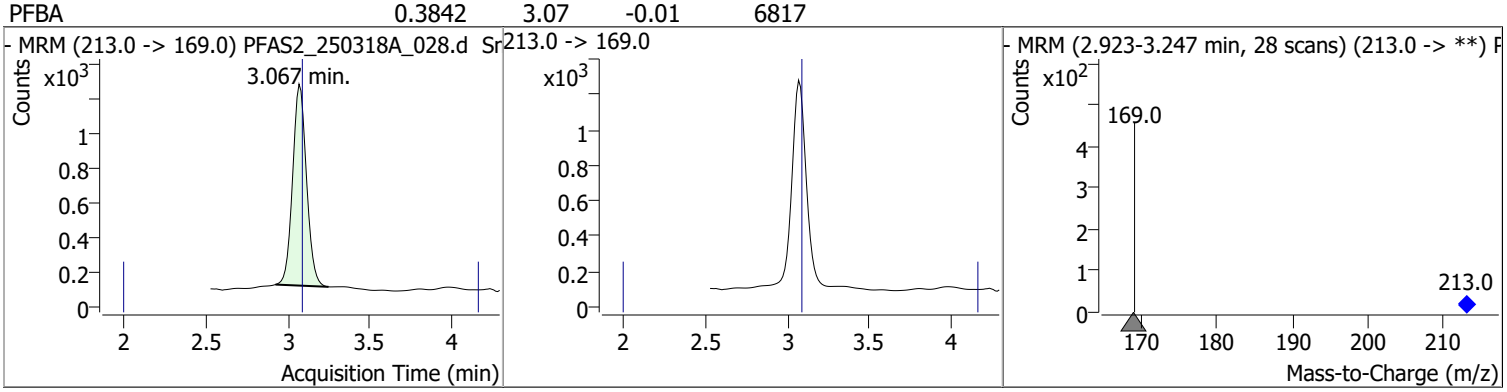
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.5303	3.07	0.00	256192				



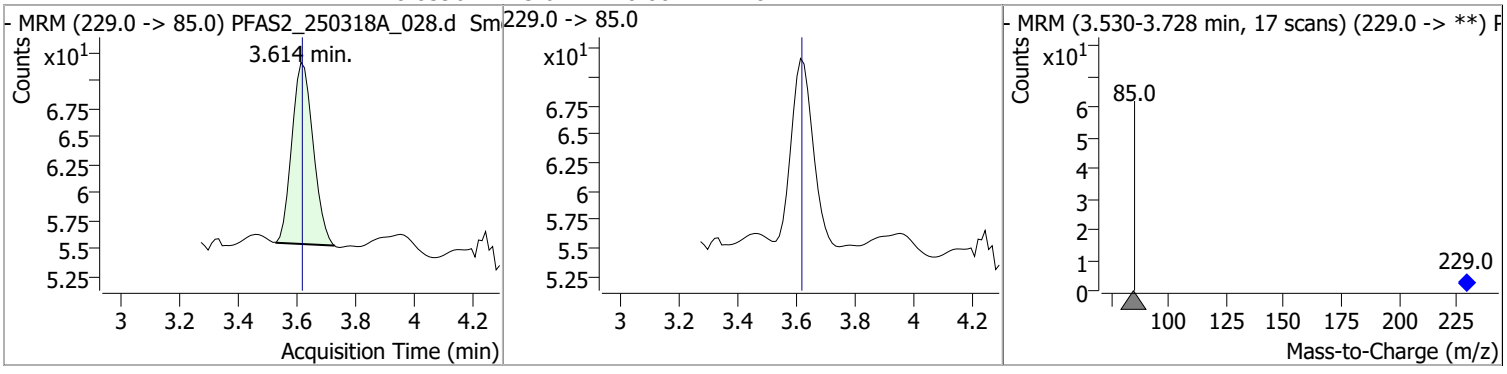
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	132161				



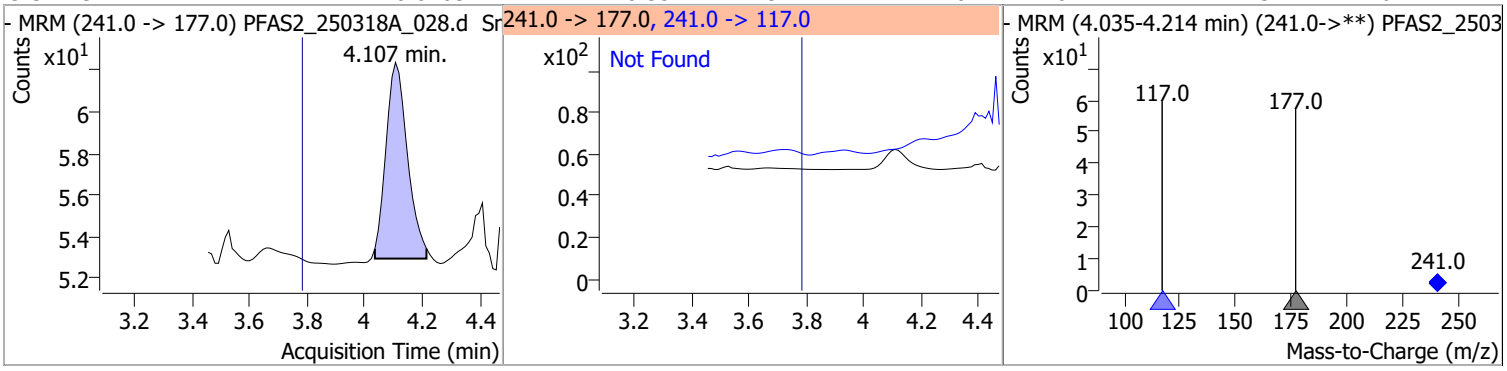
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.3842	3.07	-0.01	6817				



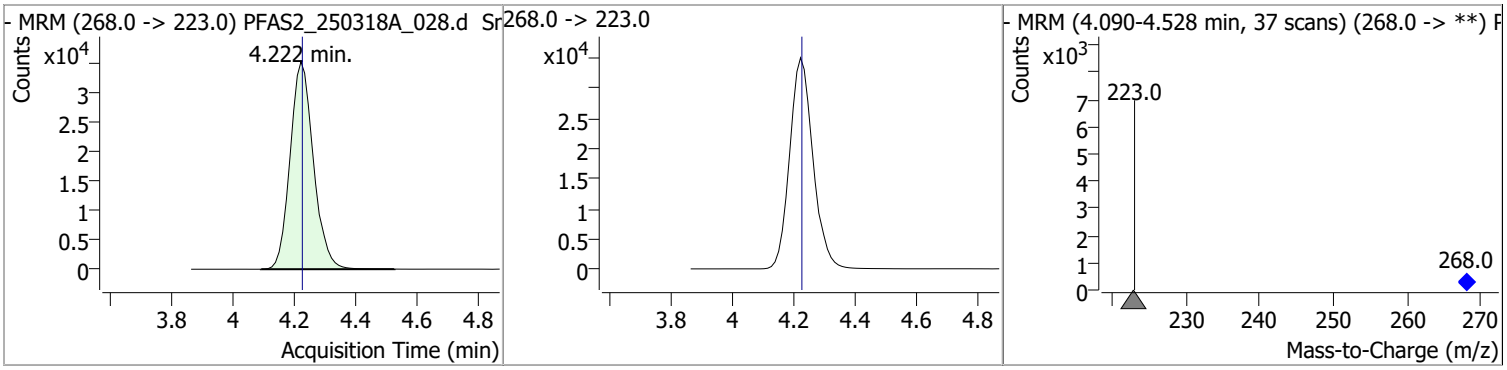
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0596	3.61	0.00	82				



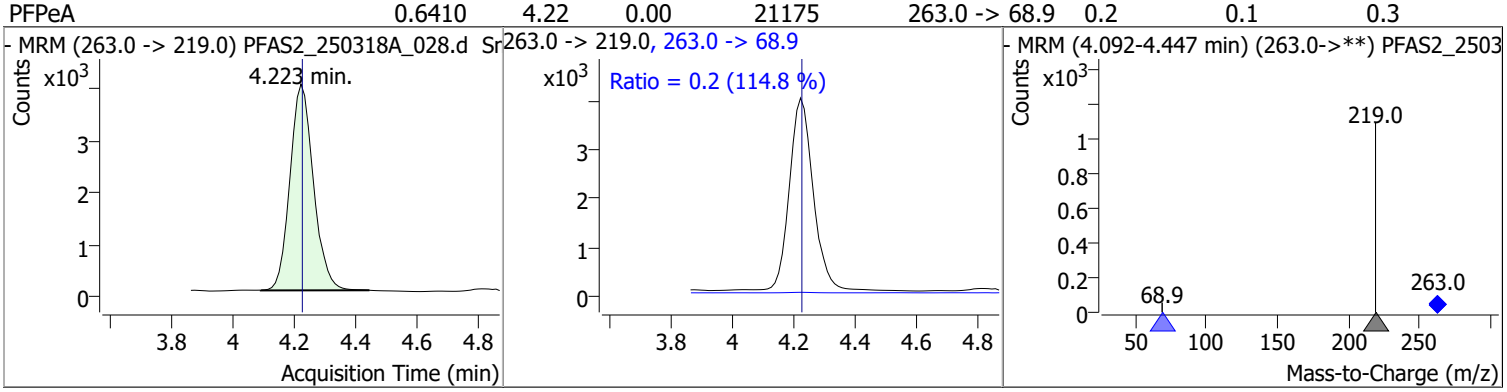
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0203	4.11	0.33	49	241.0 -> 117.0		41.3	76.7



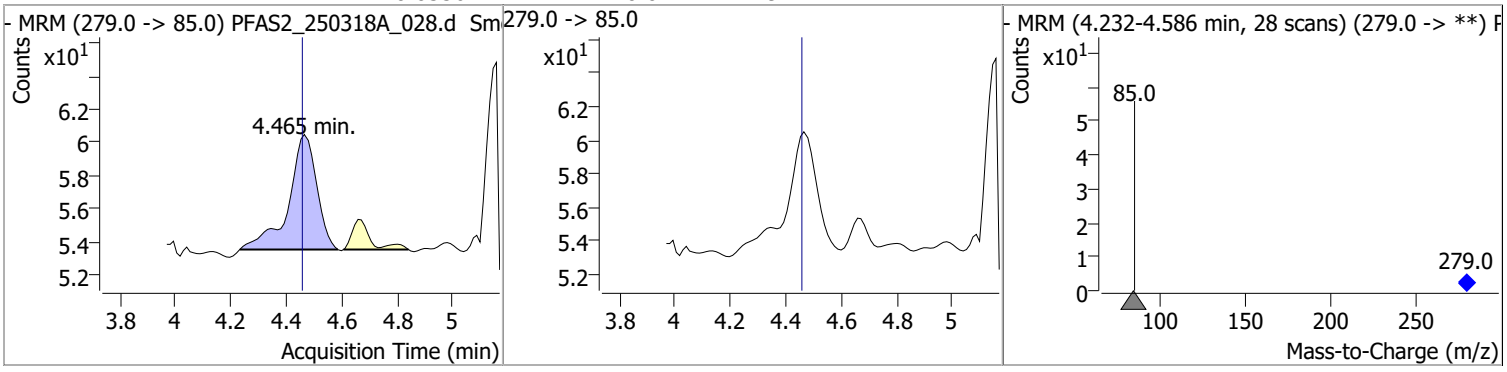
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6299	4.22	0.00	185377				



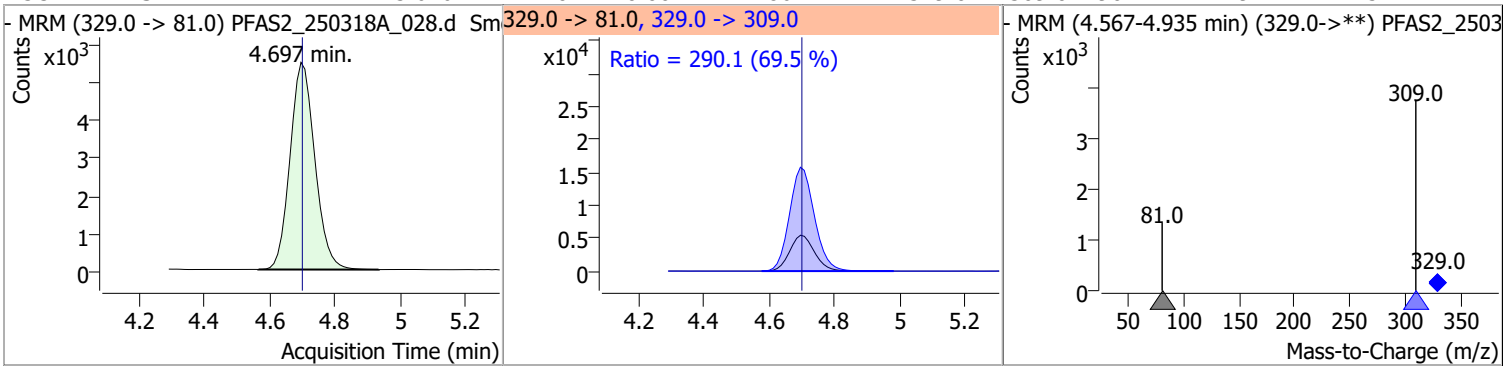
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.6410	4.22	0.00	21175	263.0 -> 68.9	0.2	0.1	0.3



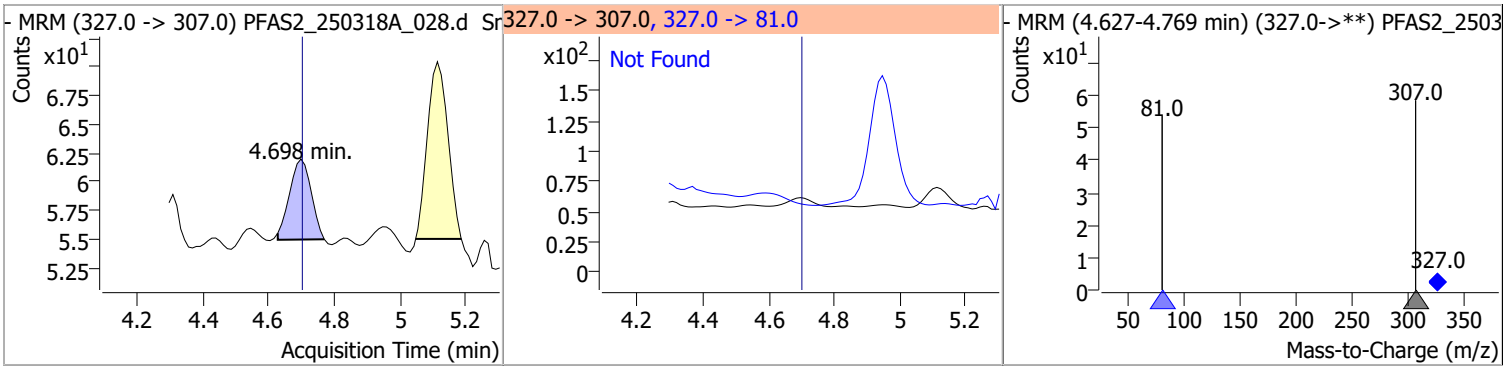
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0356	4.47	0.01	49				



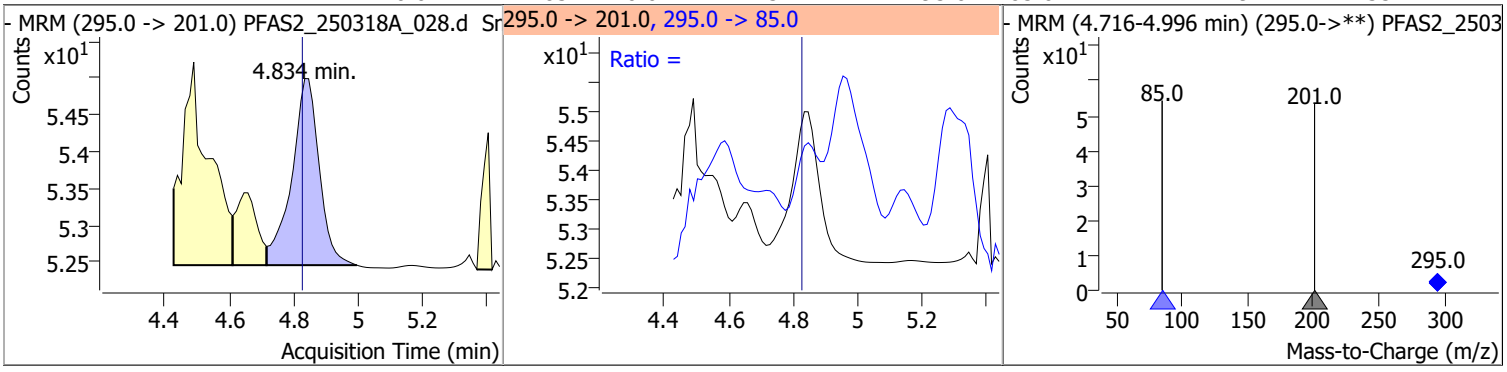
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6464	4.70	0.00	28677	329.0 -> 309.0	290.1	292.1	542.4



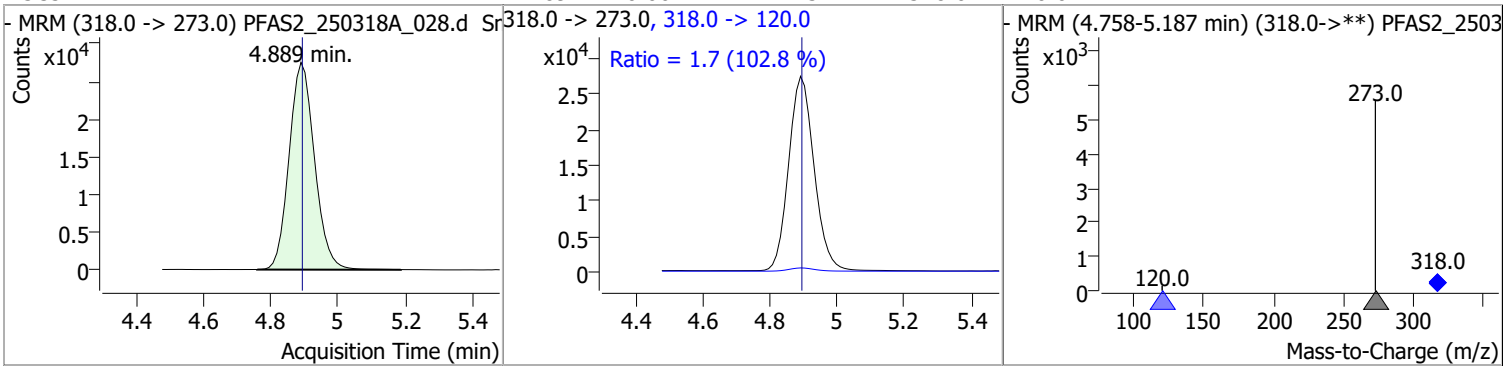
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0018	4.70	0.00	32	327.0 -> 81.0		23.6	43.9



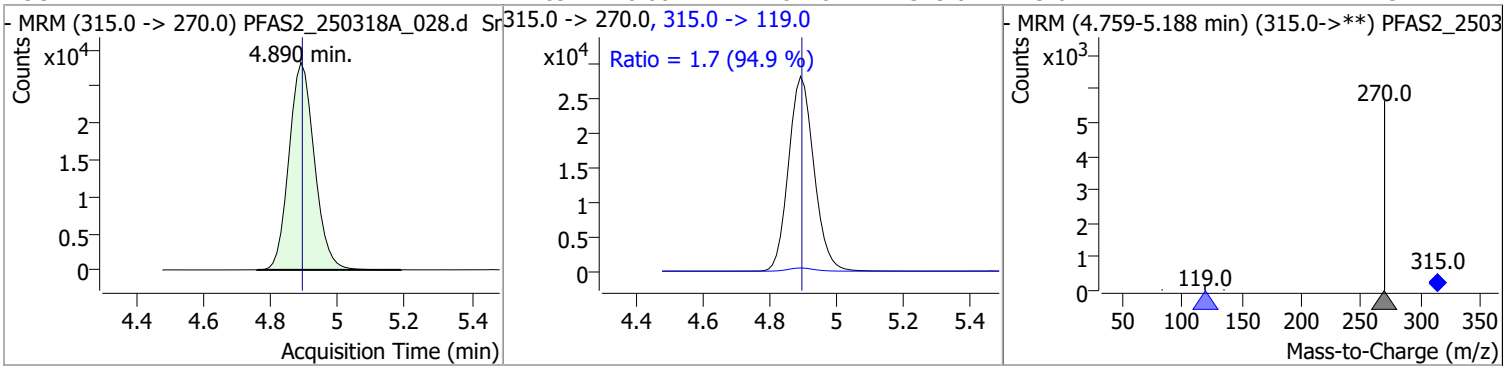
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0141	4.83	0.01	15	295.0 -> 85.0		19.1	35.4



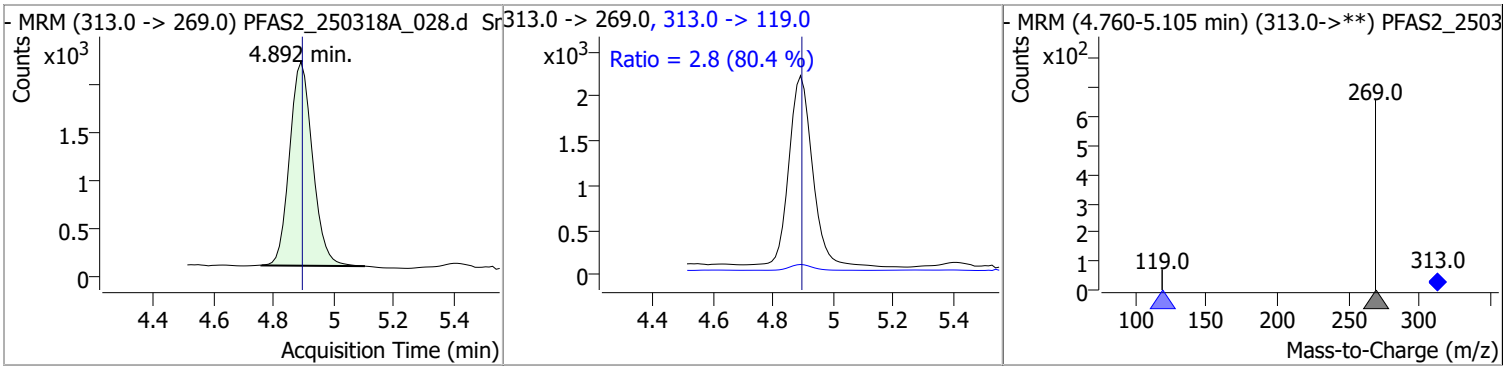
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2144	4.89	0.00	144734	318.0 -> 120.0	1.7	1.1	2.1



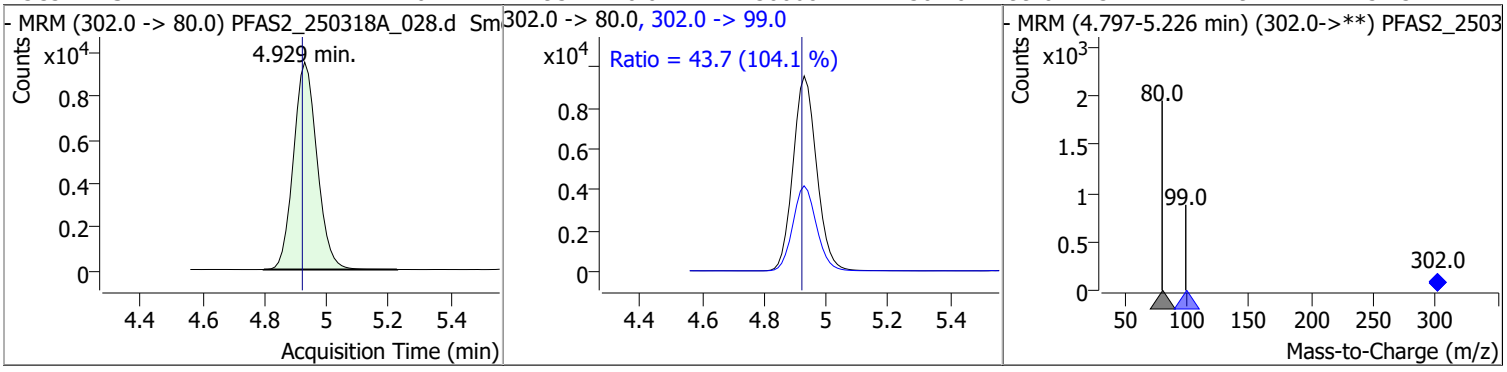
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	148448	315.0 -> 119.0	1.7	1.2	2.3



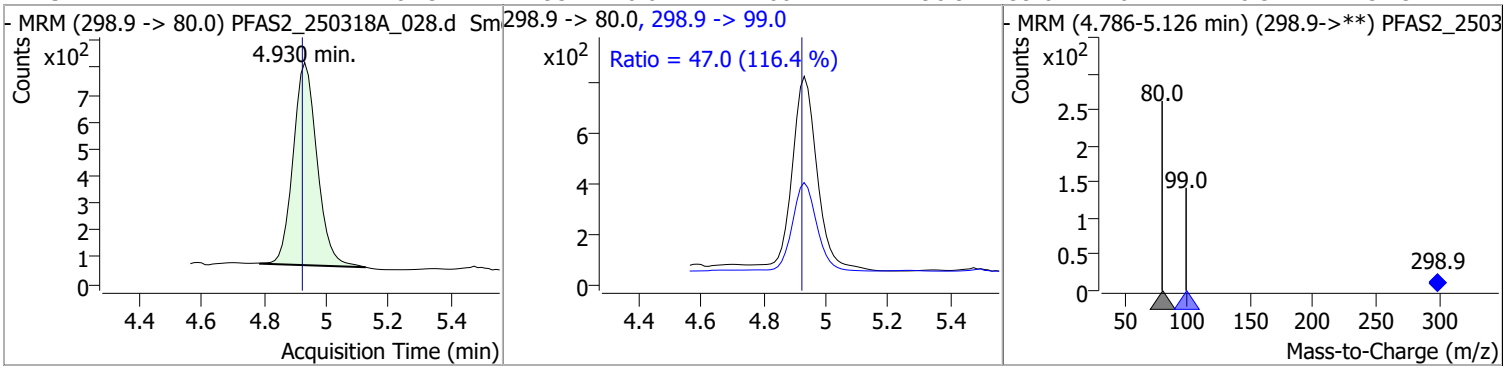
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2170	4.89	0.00	11239	313.0 -> 119.0	2.8	2.4	4.5



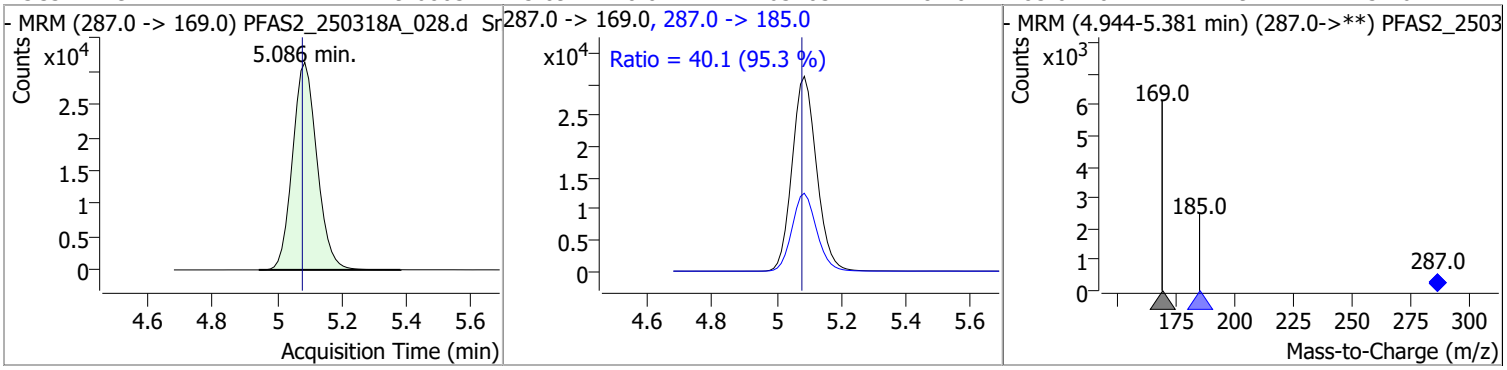
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.0447	4.93	0.01	50068	302.0 -> 99.0	43.7	29.4	54.5



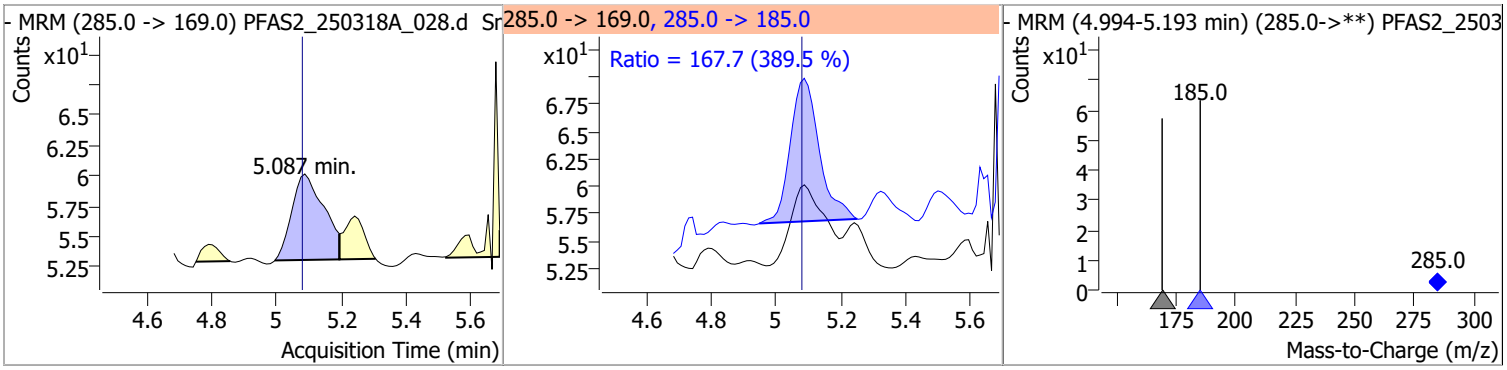
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1927	4.93	0.01	4004	298.9 -> 99.0	47.0	28.3	52.5



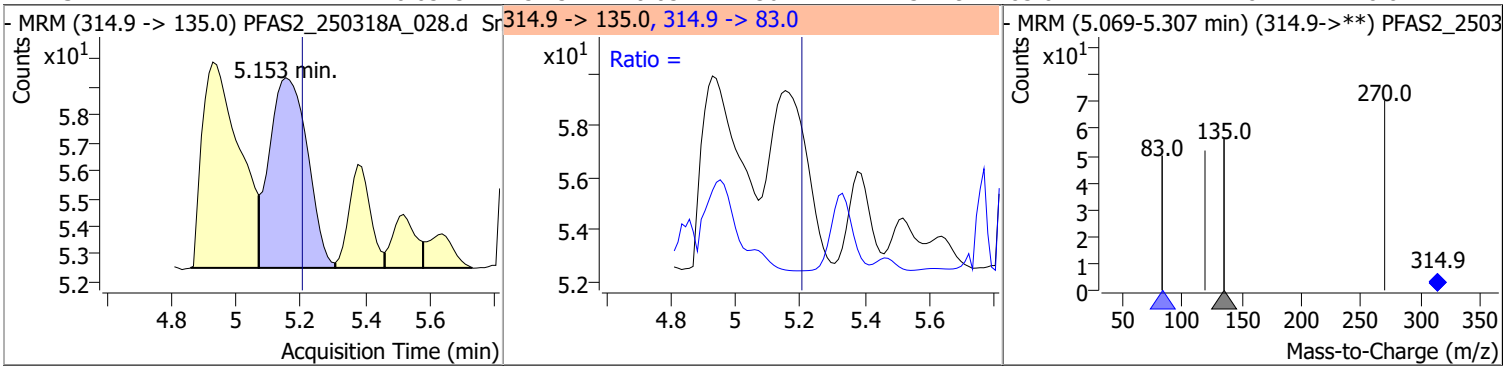
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6803	5.09	0.01	163703	287.0 -> 185.0	40.1	29.4	54.6



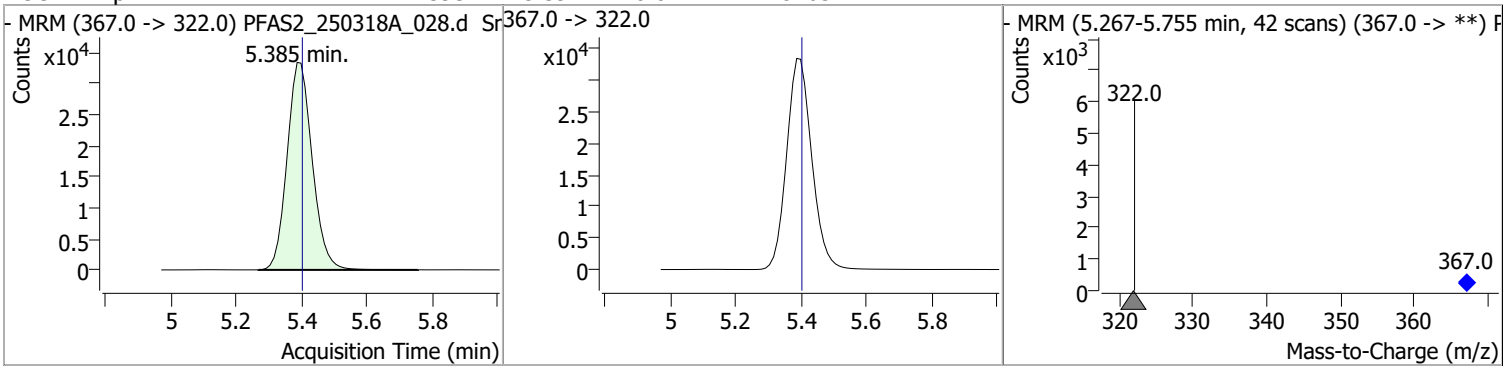
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0033	5.09	0.01	49	285.0 -> 185.0	167.7	30.1	56.0



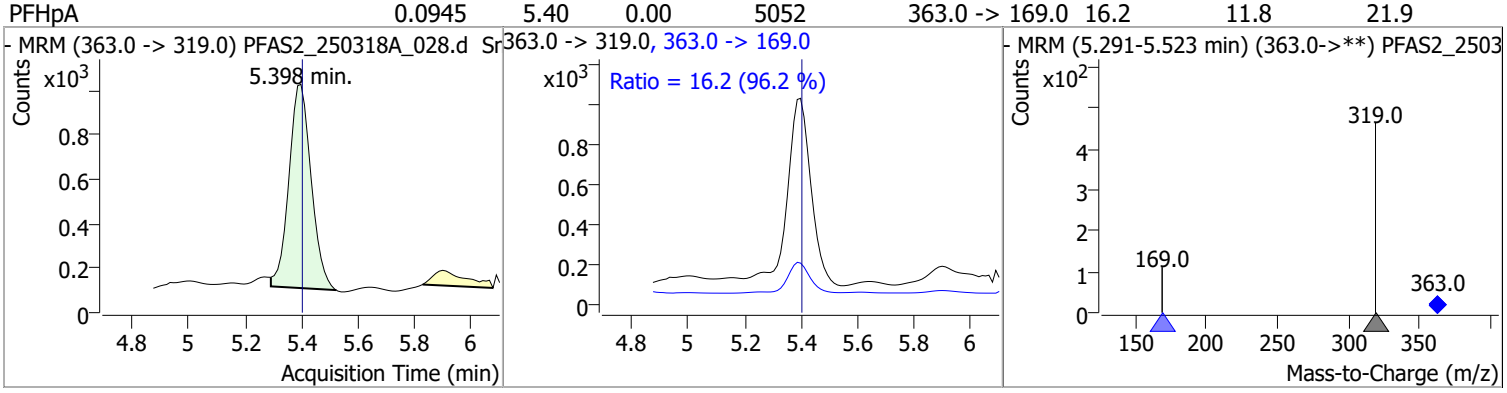
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0523	5.15	-0.05	56	314.9 -> 83.0		4.8	8.8



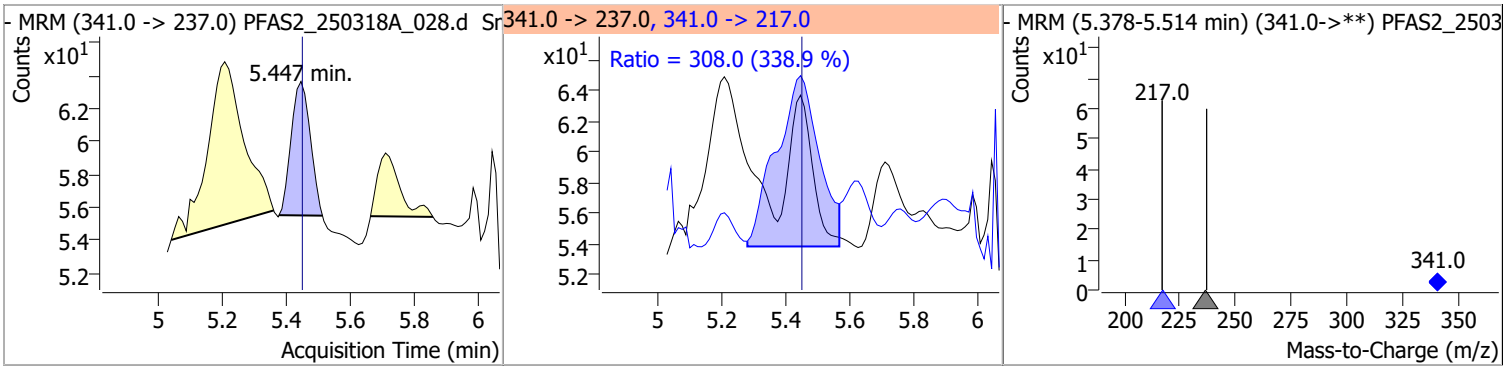
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4393	5.39	-0.01	178263				



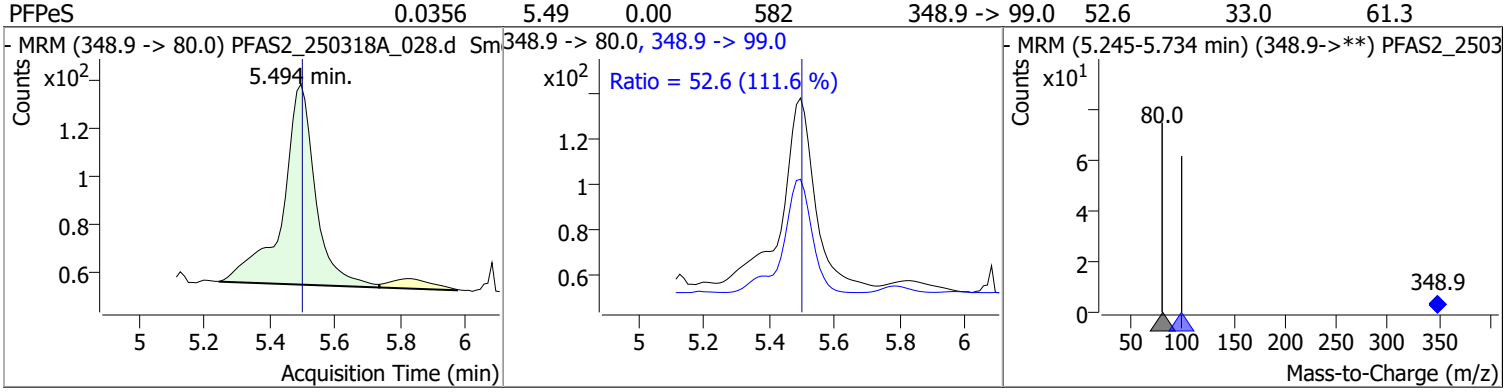
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0945	5.40	0.00	5052	363.0 -> 169.0	16.2	11.8	21.9



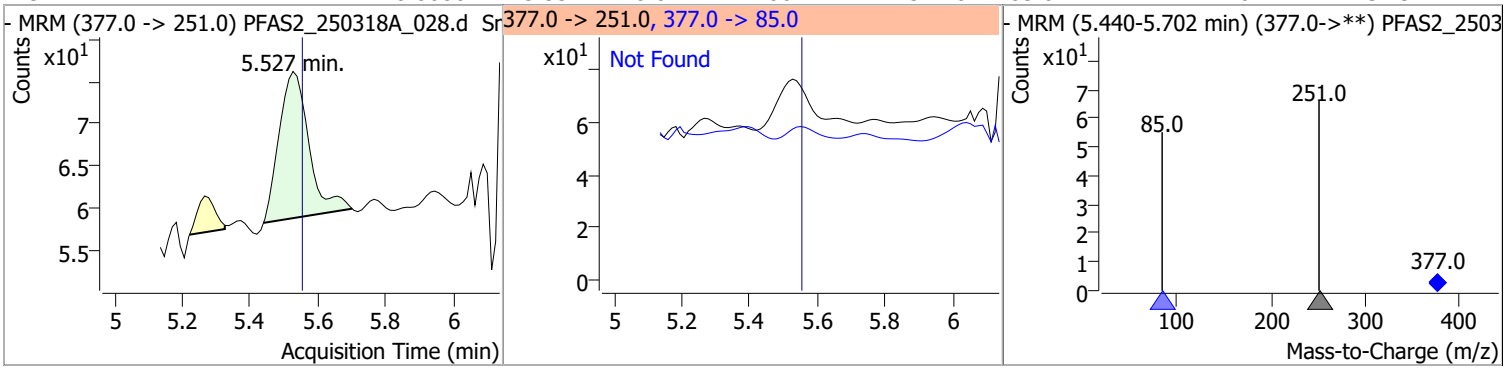
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1851	5.45	0.00	33	341.0 -> 217.0	308.0	63.6	118.1



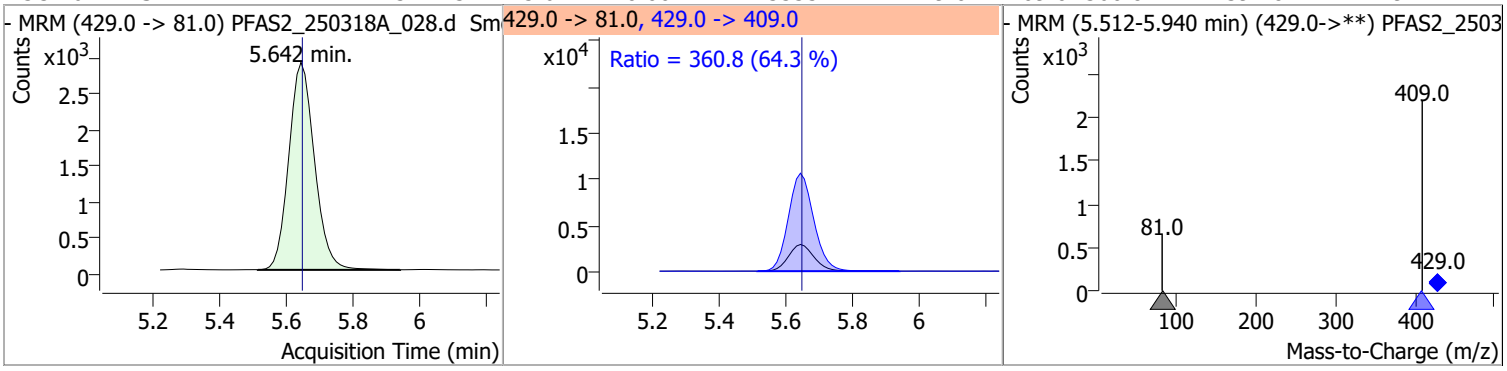
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0356	5.49	0.00	582	348.9 -> 99.0	52.6	33.0	61.3



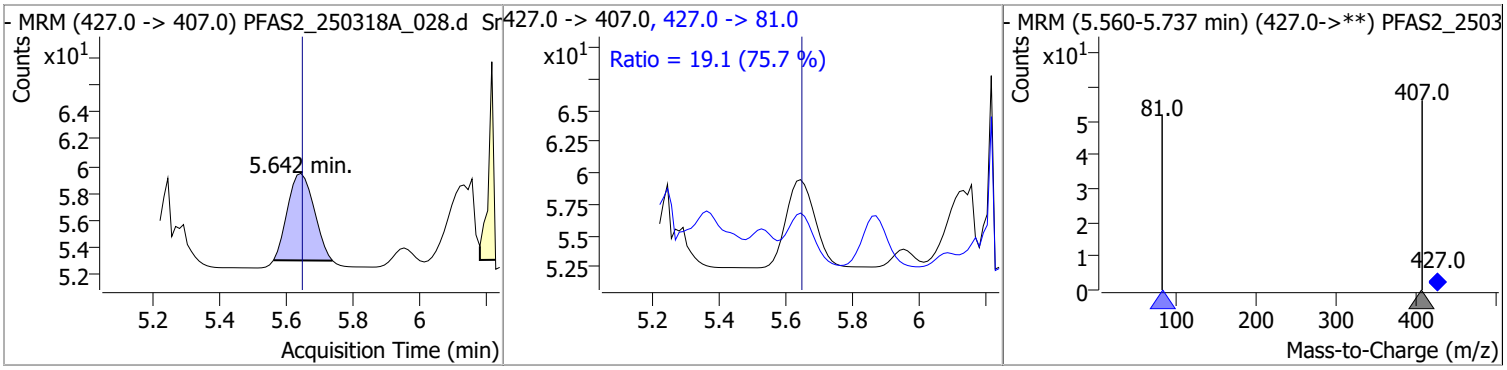
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0686	5.53	-0.02	106	377.0 -> 85.0		20.4	37.9



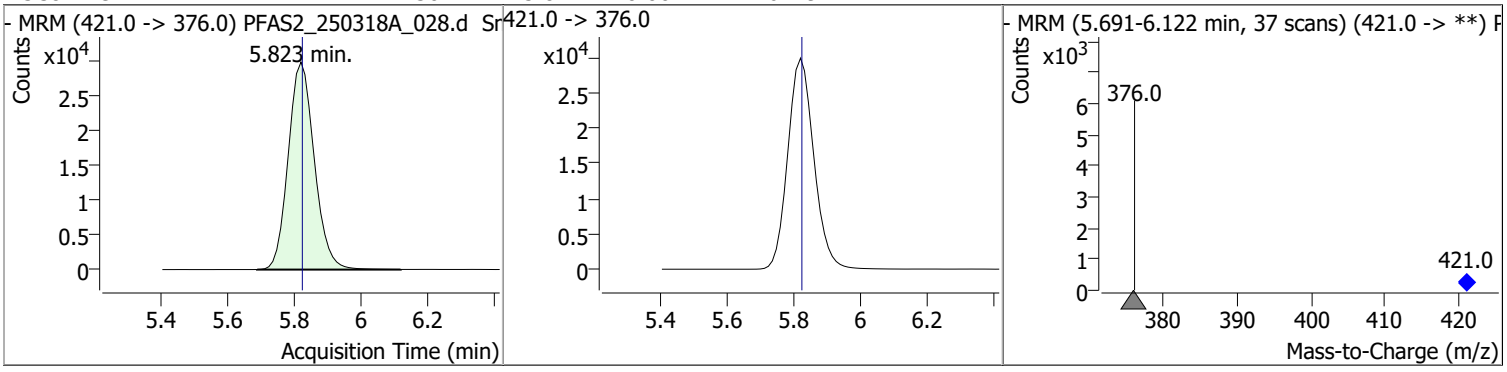
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2173	5.64	0.00	15535	429.0 -> 409.0	360.8	392.8	729.4



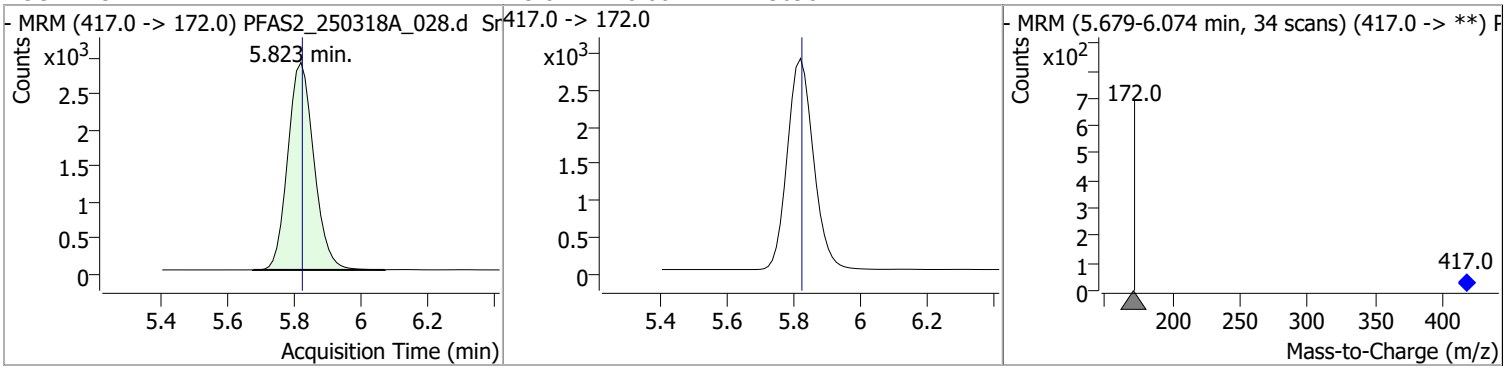
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1133	5.64	0.00	36	427.0 -> 81.0	19.1	17.7	32.8



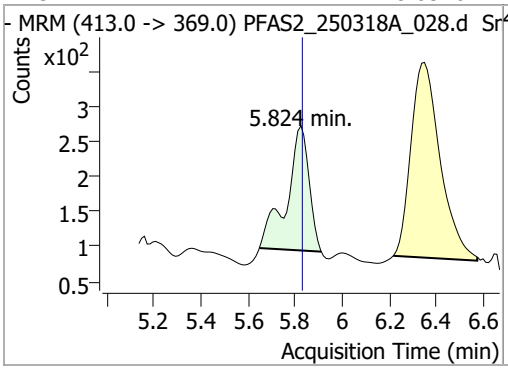
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3047	5.82	0.00	161791				

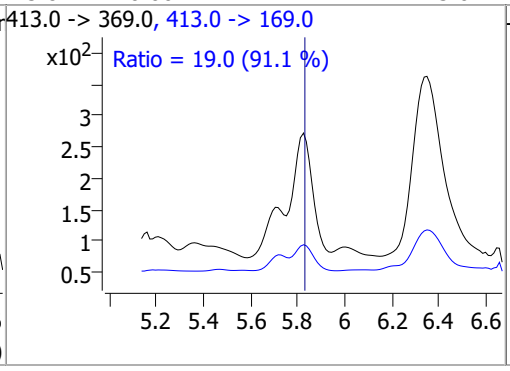


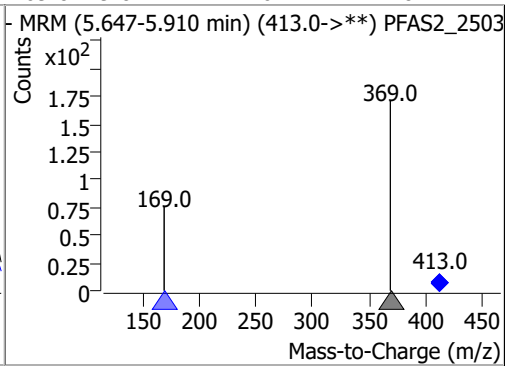
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15698				



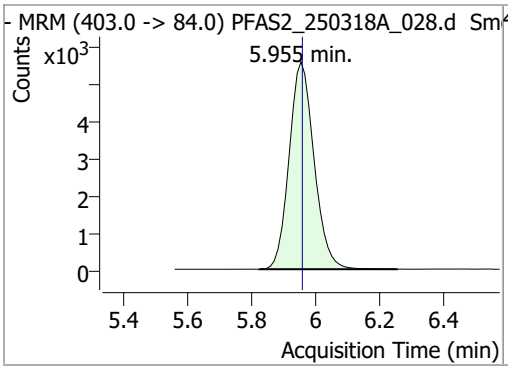
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0546	5.82	0.00	1171	413.0 -> 169.0	19.0	14.6	27.0

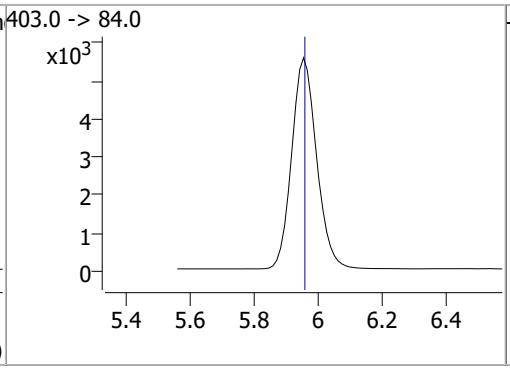


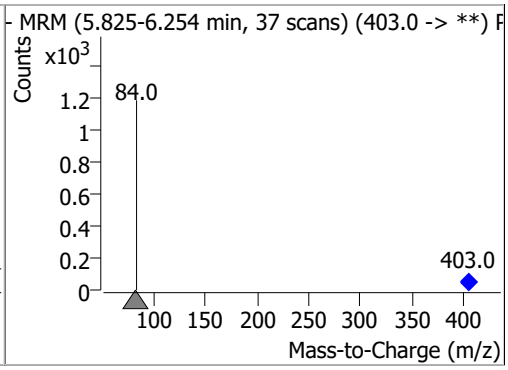




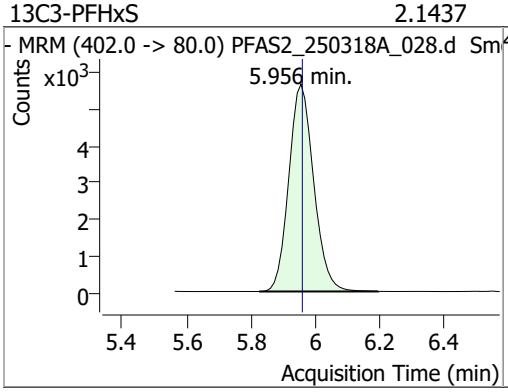
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29902				

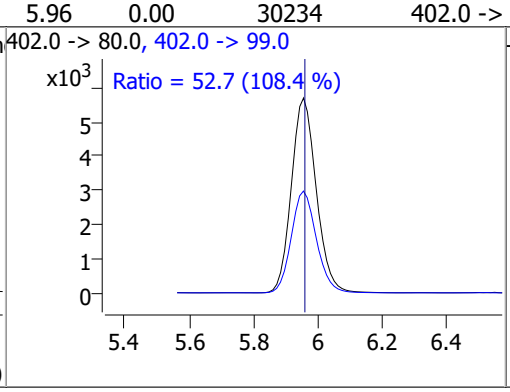


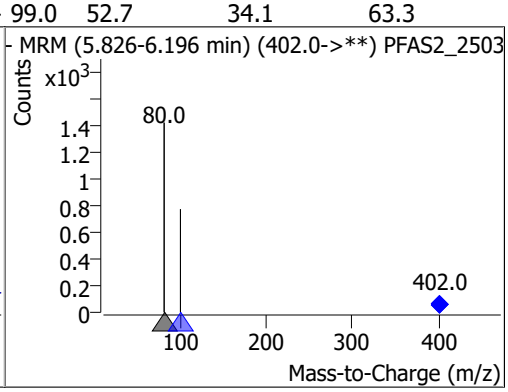




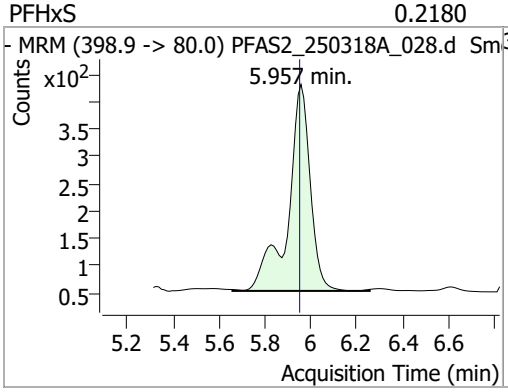
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.1437	5.96	0.00	30234	402.0 -> 99.0	52.7	34.1	63.3

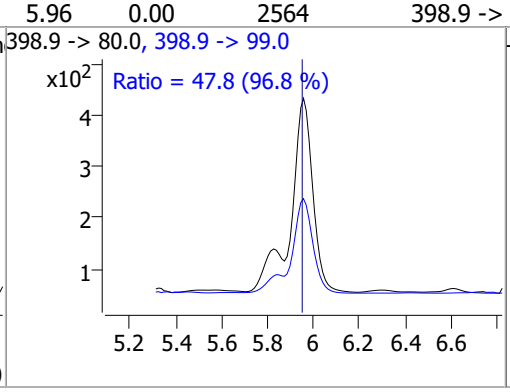


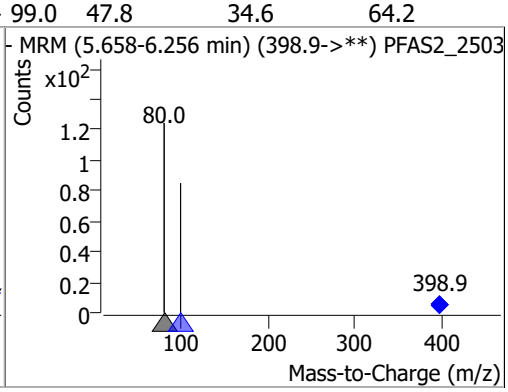




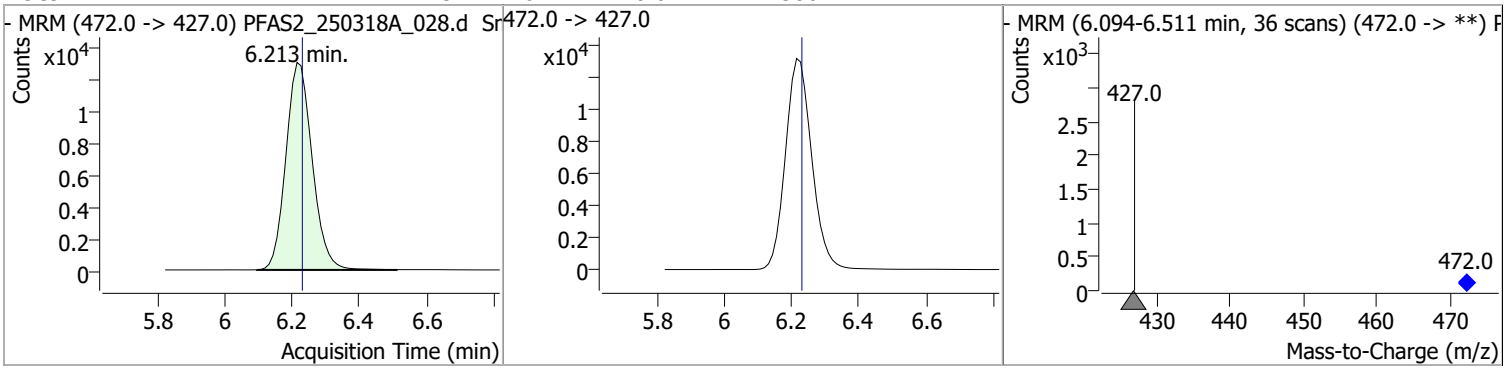
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2180	5.96	0.00	2564	398.9 -> 99.0	47.8	34.6	64.2



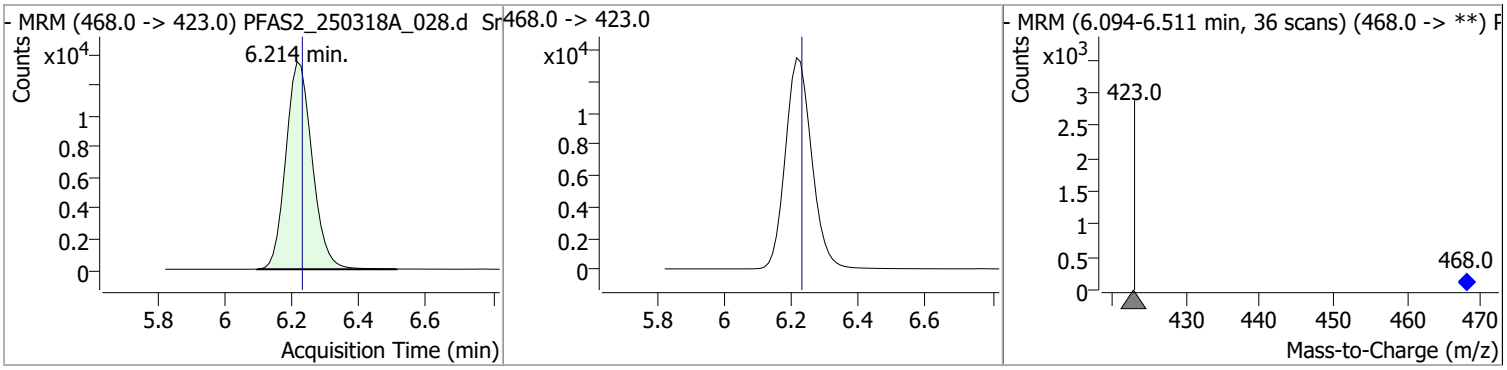




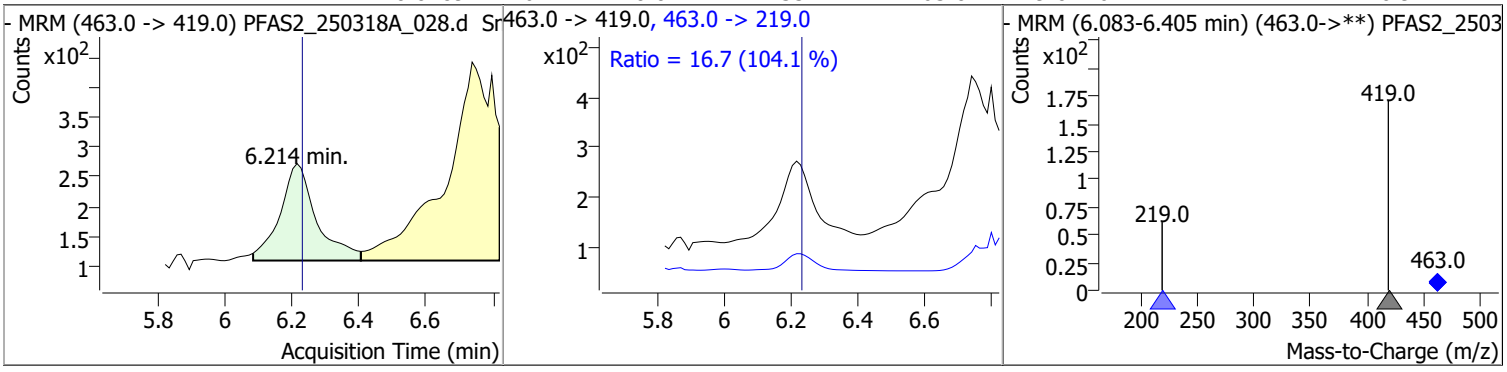
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2254	6.21	-0.01	71380				



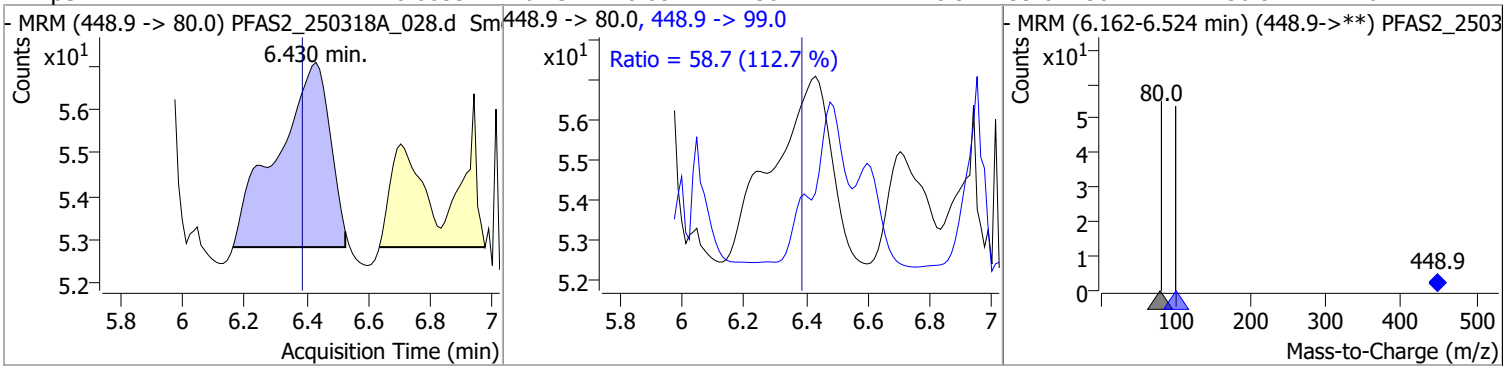
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	73509				



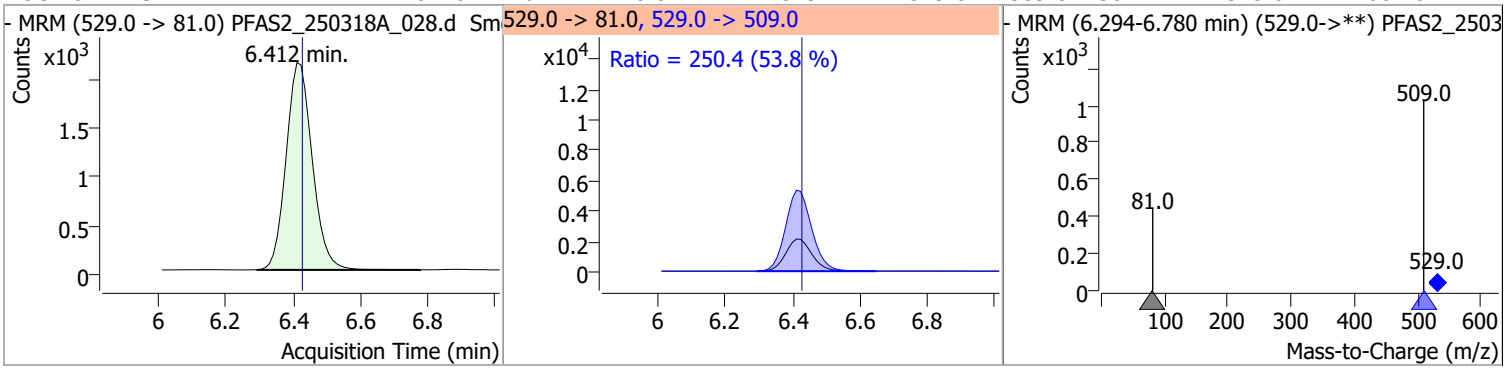
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0289	6.21	-0.01	1235	463.0 -> 219.0	16.7	11.2	20.9



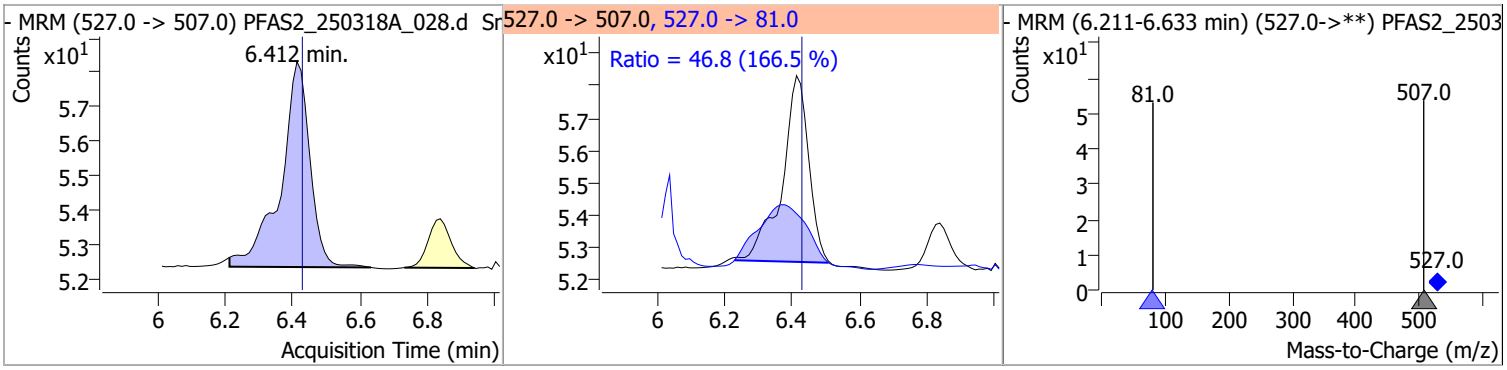
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0053	6.43	0.05	50	448.9 -> 99.0	58.7	36.5	67.7



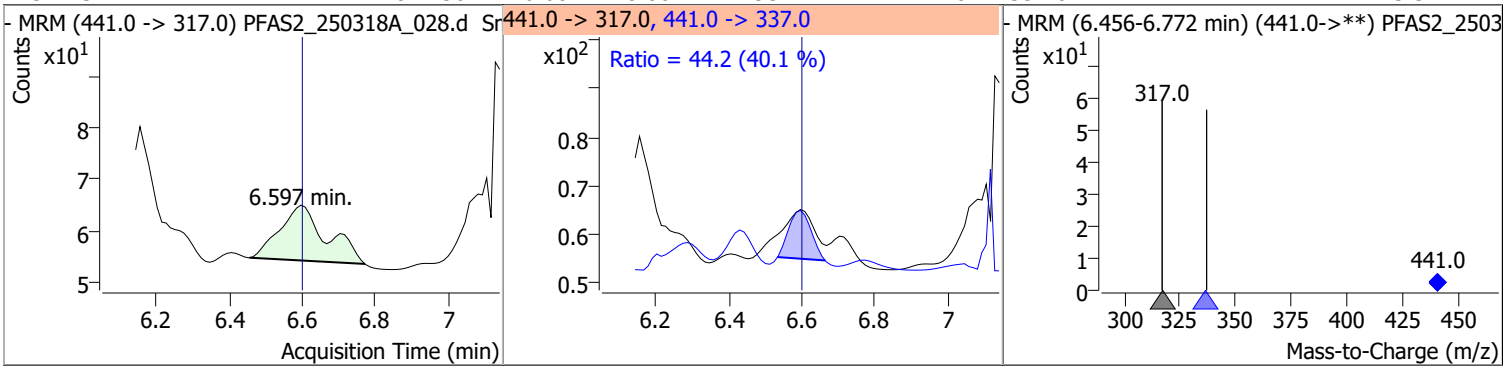
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8116	6.41	-0.01	11519	529.0 -> 509.0	250.4	325.6	604.6



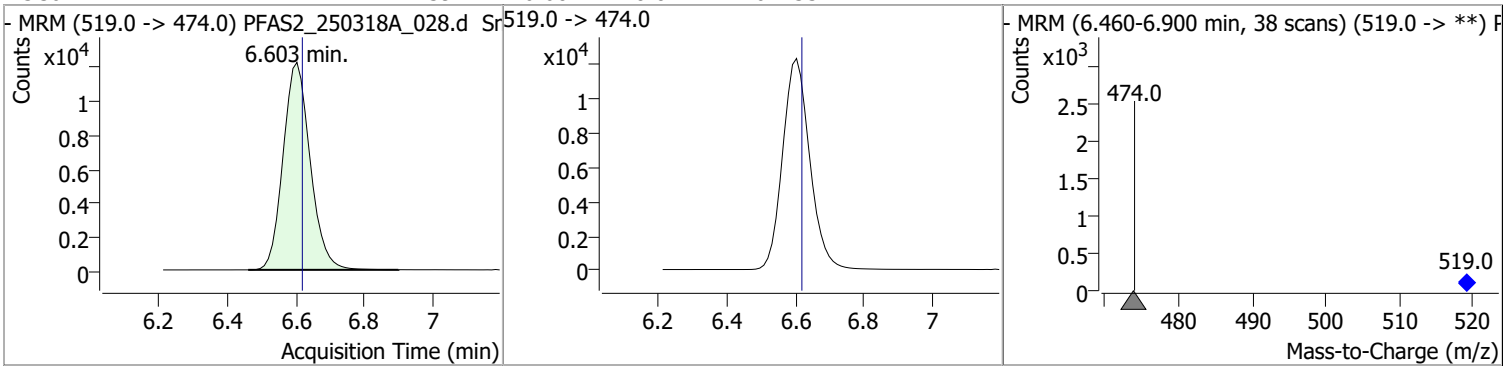
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0793	6.41	-0.01	36	527.0 -> 81.0	46.8	19.7	36.6



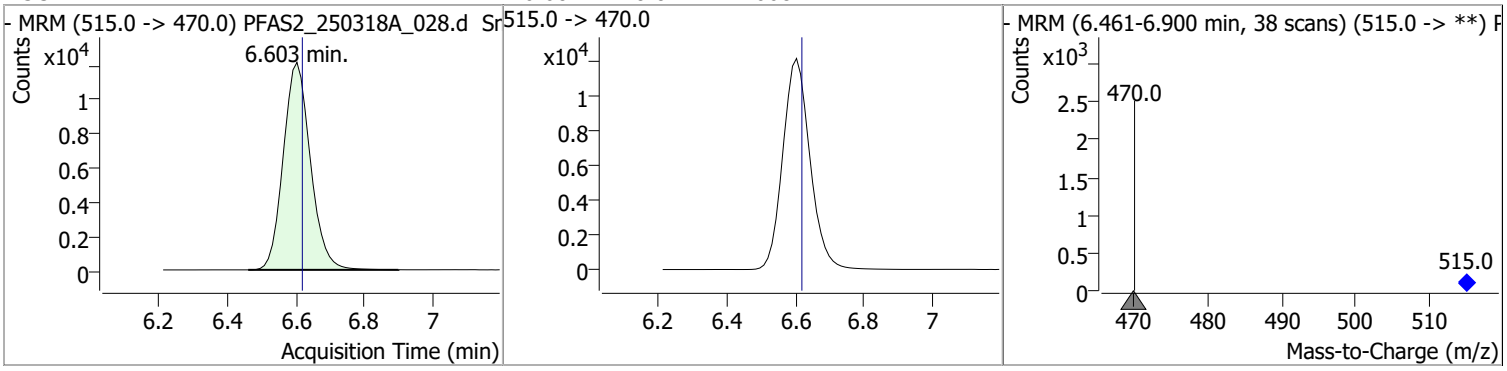
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2756	6.60	0.00	95	441.0 -> 337.0	44.2	77.1	143.3



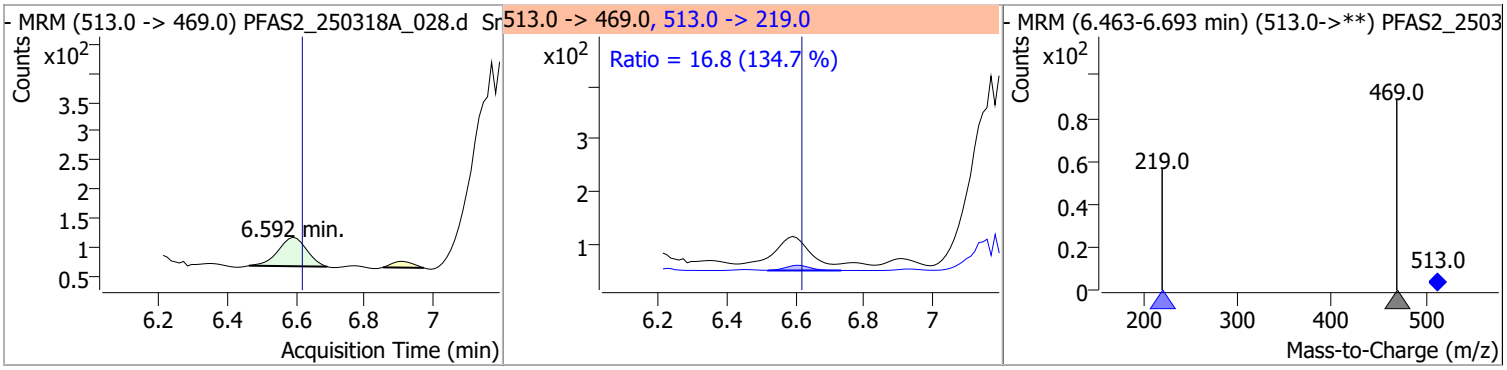
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2397	6.60	-0.01	67433				



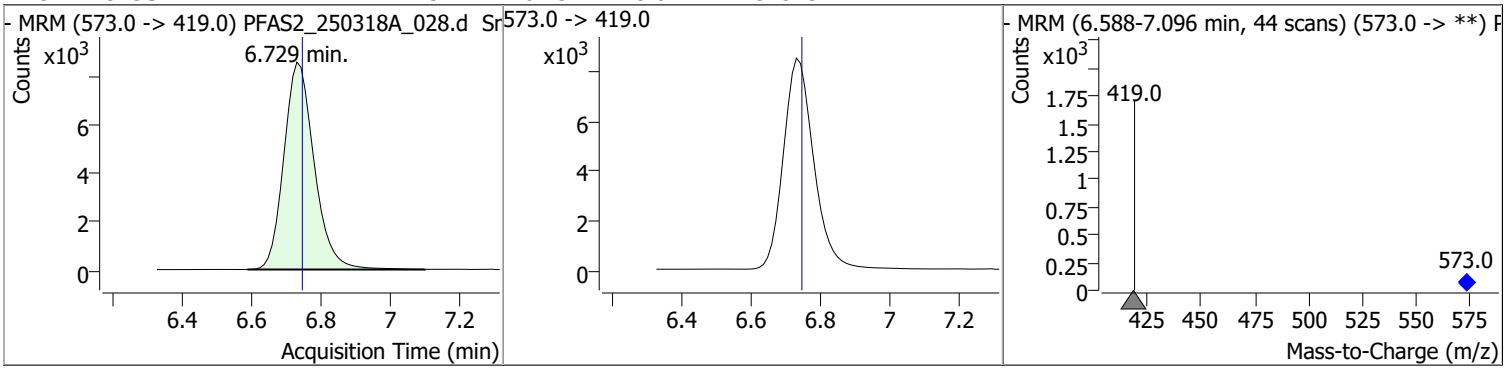
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	66847				



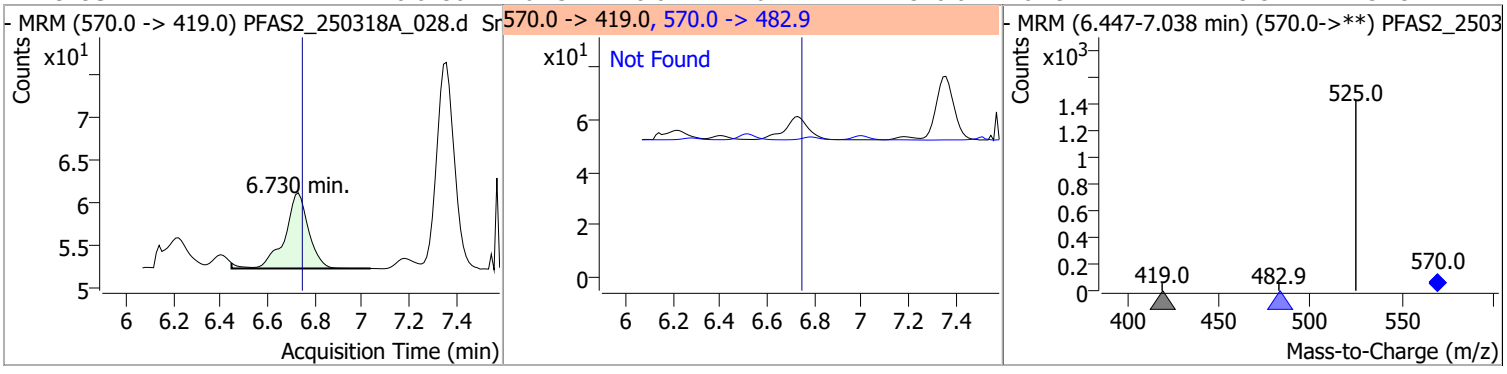
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0027	6.59	-0.02	290	513.0 -> 219.0	16.8	8.7	16.2



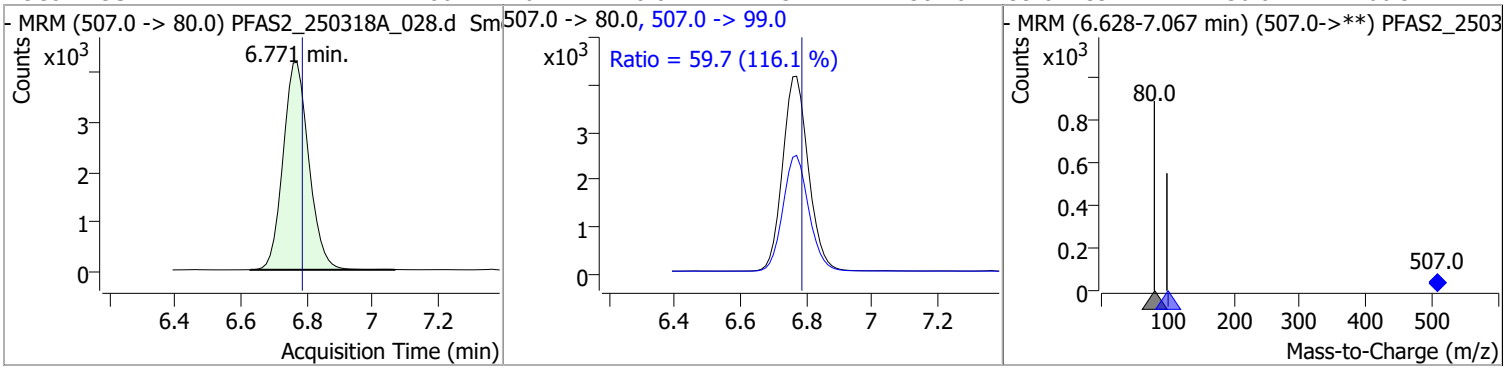
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7327	6.73	-0.01	51525				



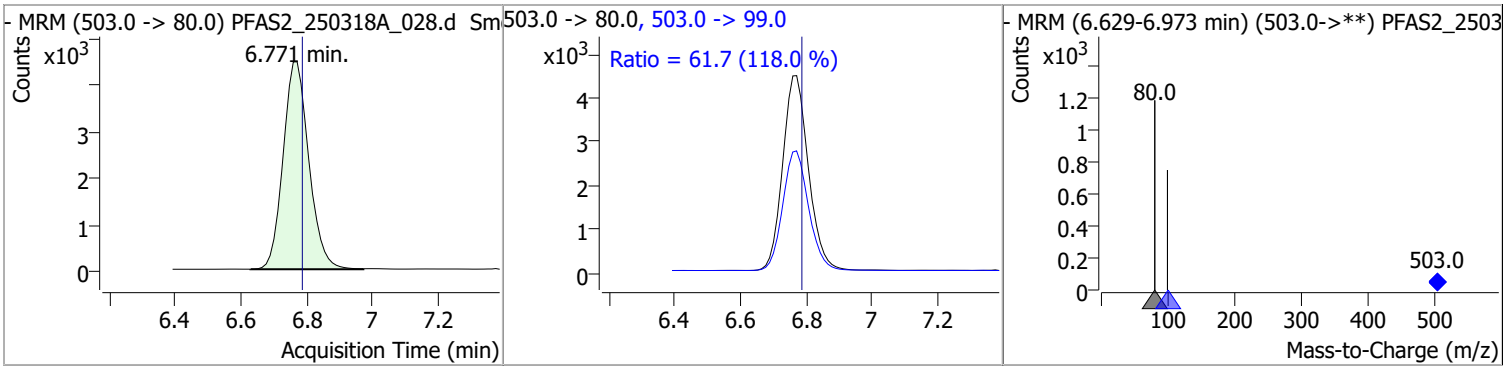
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0150	6.73	-0.01	62	570.0 -> 482.9		29.5	54.9



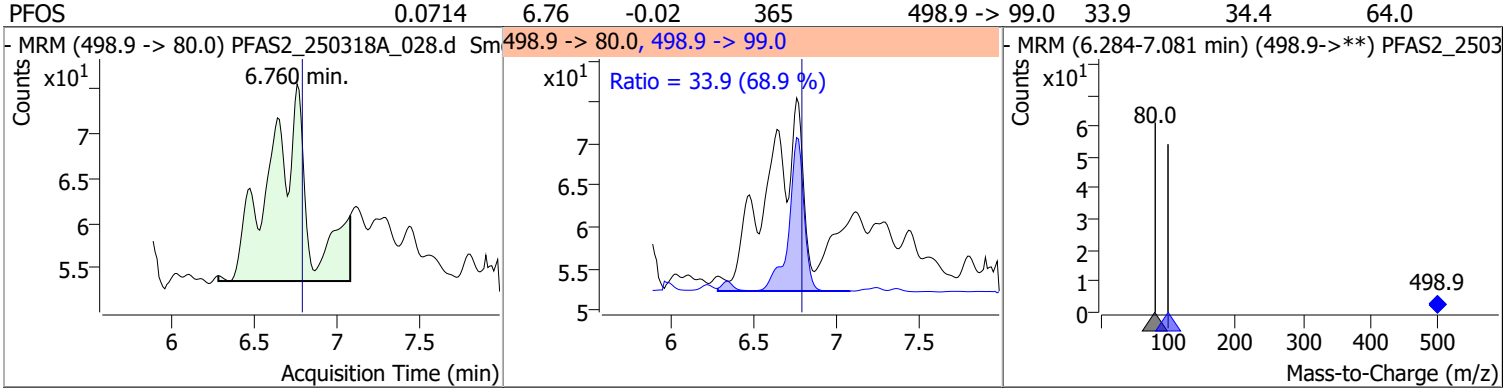
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2862	6.77	-0.01	22514	507.0 -> 99.0	59.7	36.0	66.9



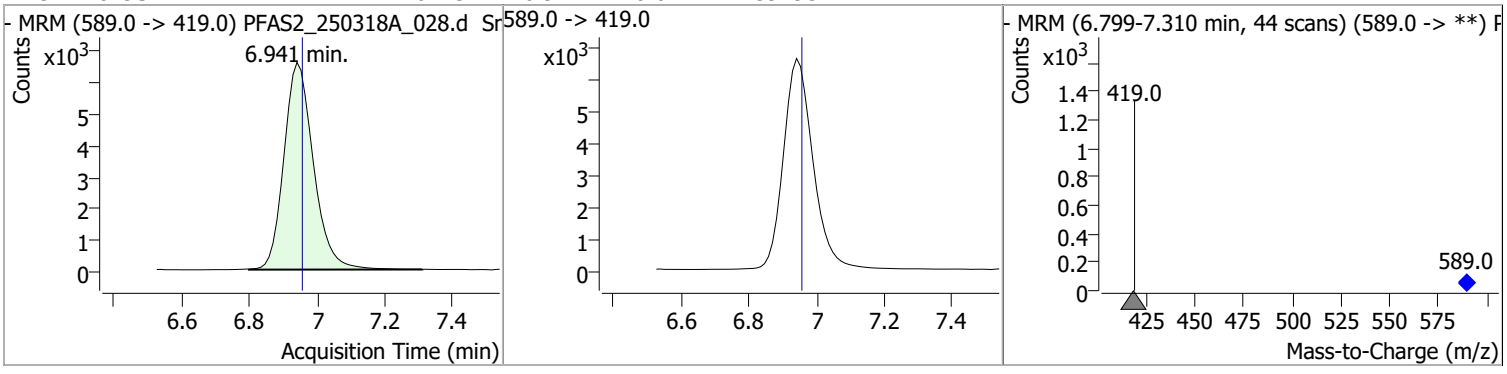
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24264	503.0 -> 99.0	61.7	36.6	67.9



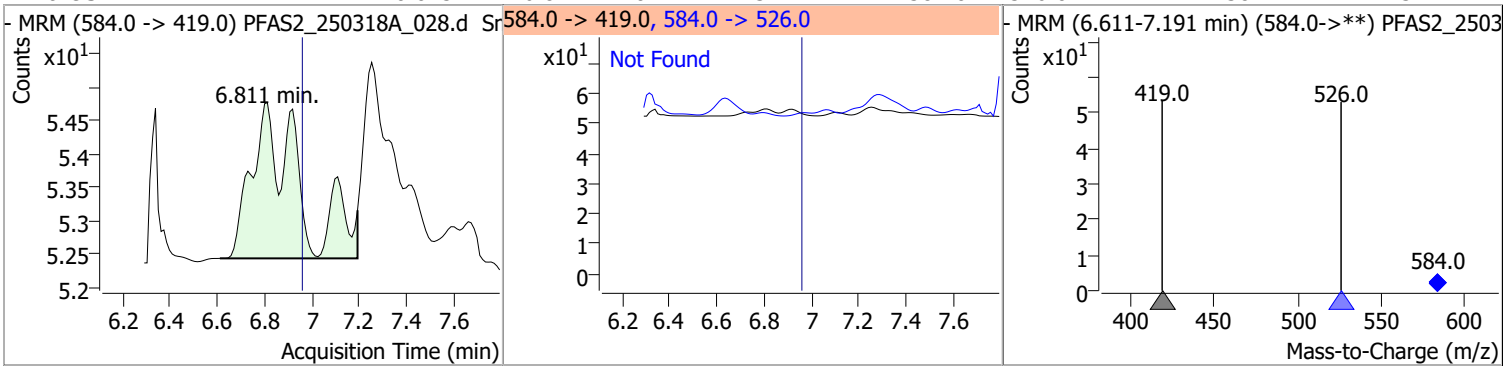
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0714	6.76	-0.02	365	498.9 -> 99.0	33.9	34.4	64.0



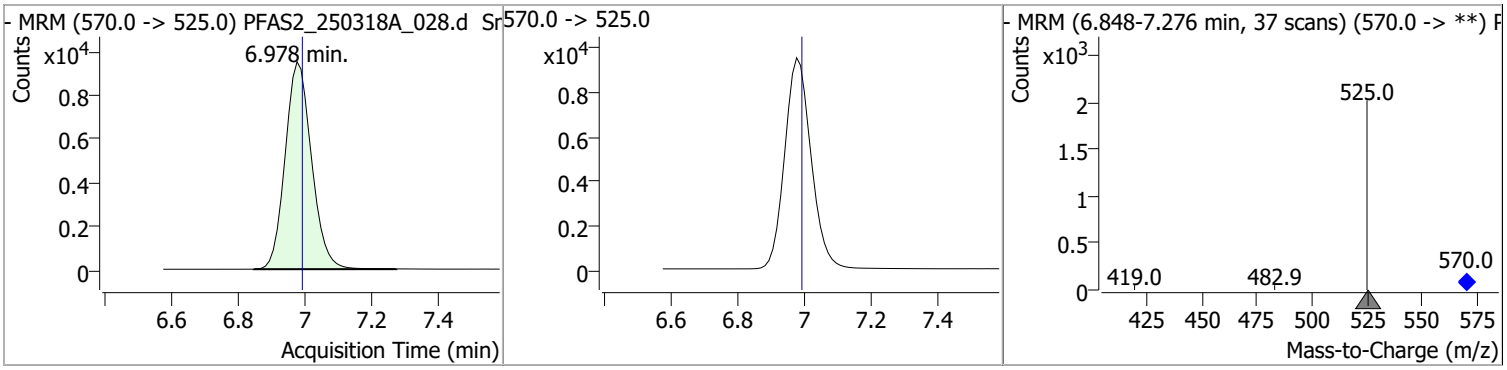
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8413	6.94	-0.01	39793				



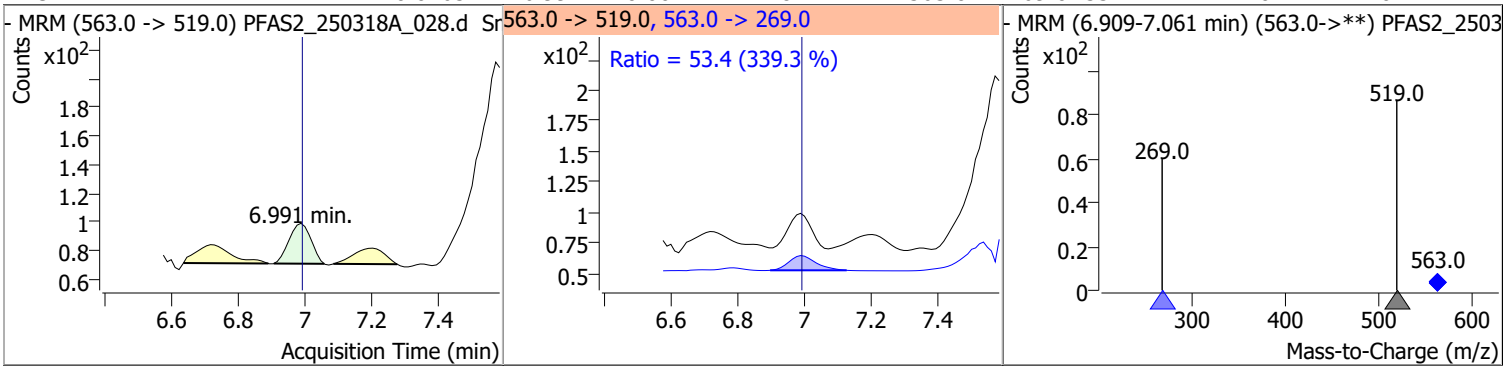
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0154	6.81	-0.14	32	584.0 -> 526.0		38.4	71.3



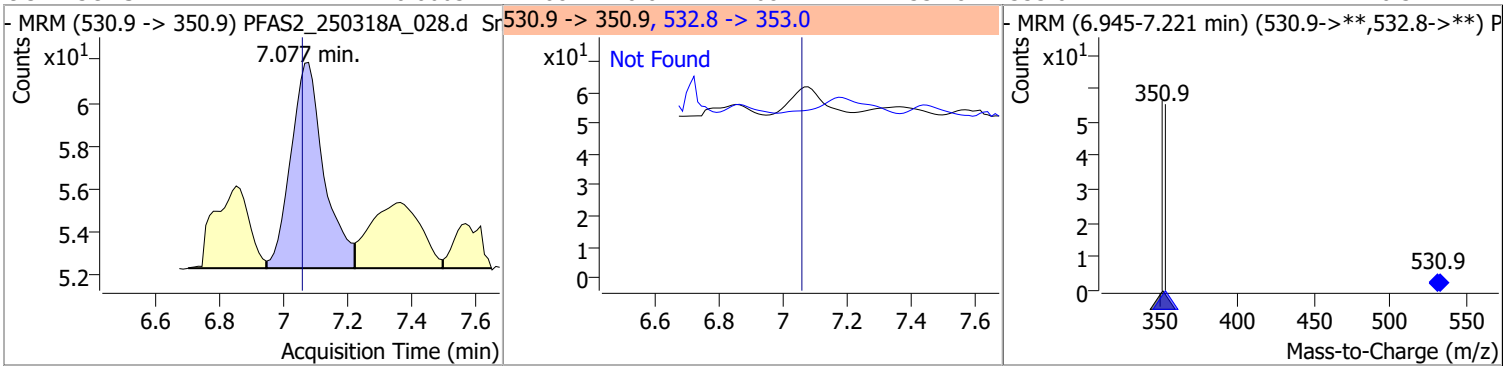
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2172	6.98	-0.01	52179				



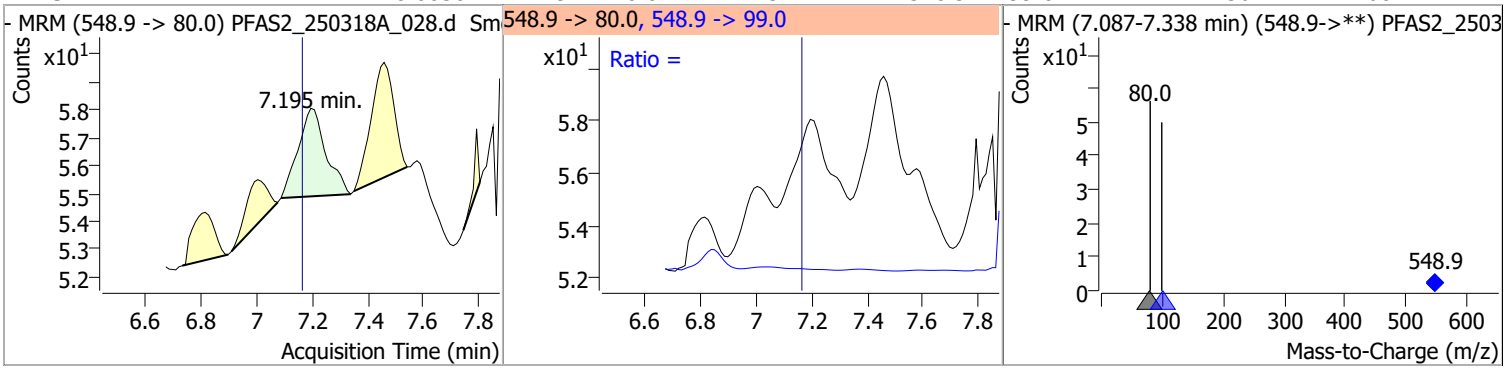
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0165	6.99	0.00	128	563.0 -> 269.0	53.4	11.0	20.4



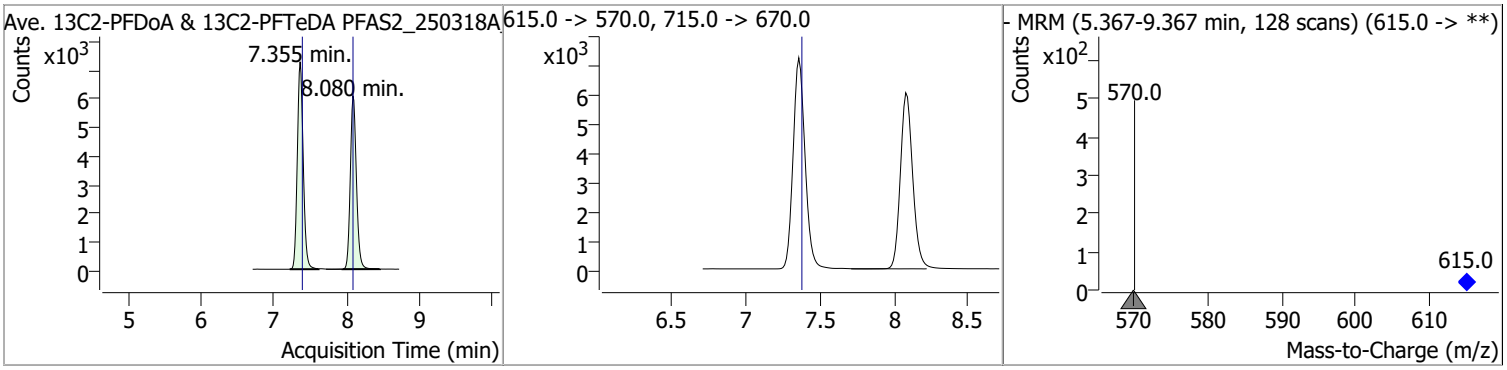
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0663	7.08	0.02	68	532.8 -> 353.0		21.7	40.3



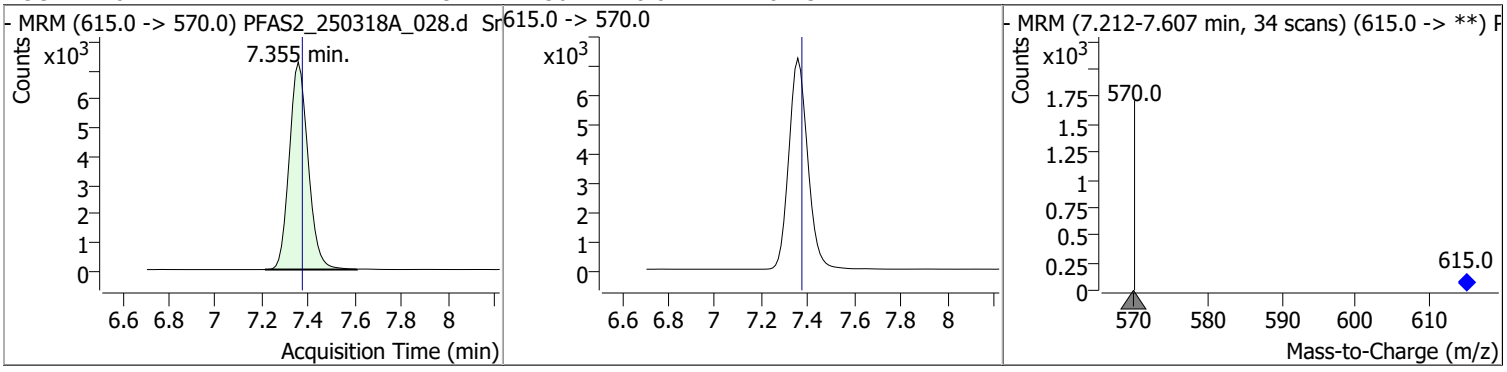
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0030	7.19	0.04	23	548.9 -> 99.0		36.7	68.1



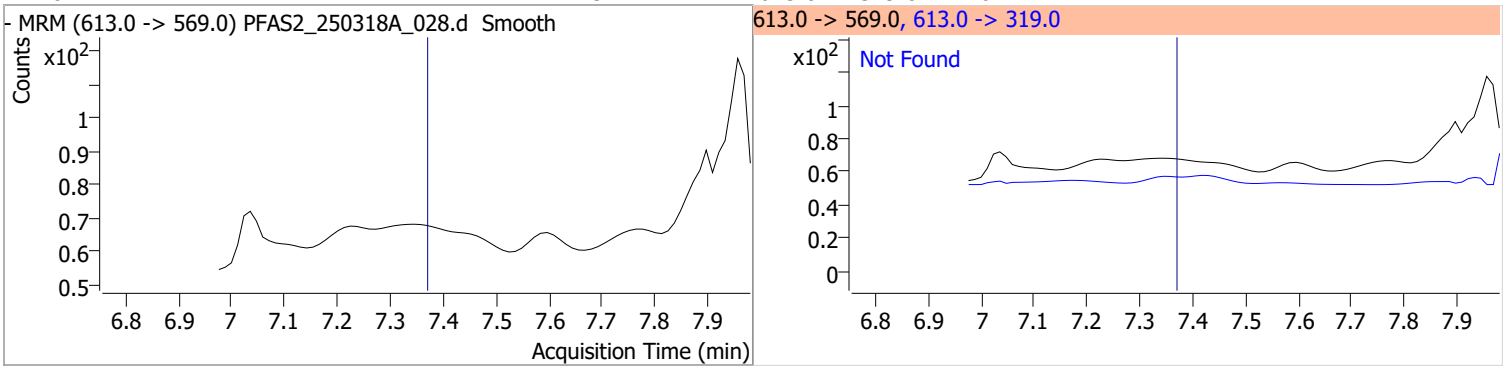
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0756	7.72	0.35	38006				



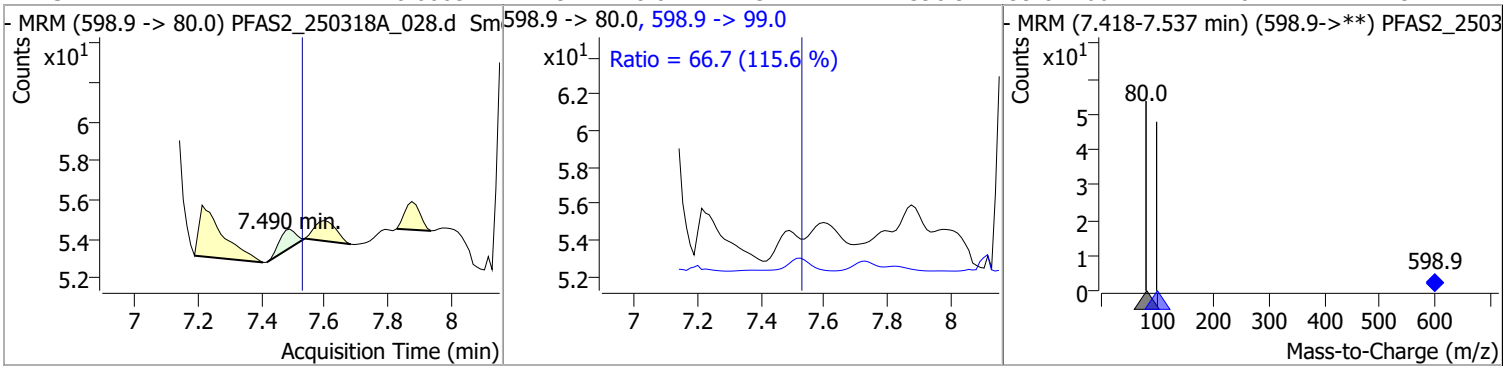
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2752	7.36	-0.01	40729				



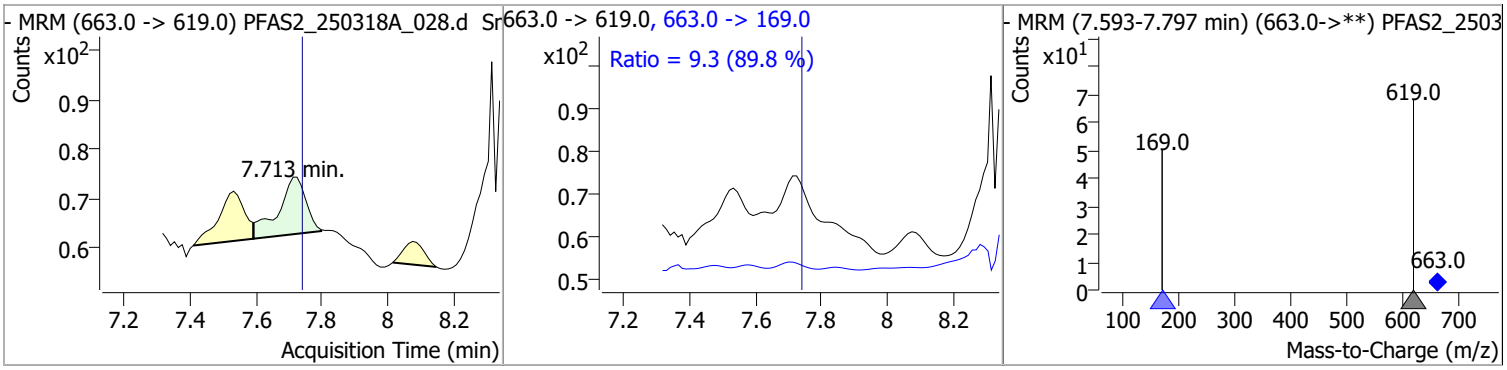
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDoDA	N.D.	7.37	613.0 -> 319.0	14.6



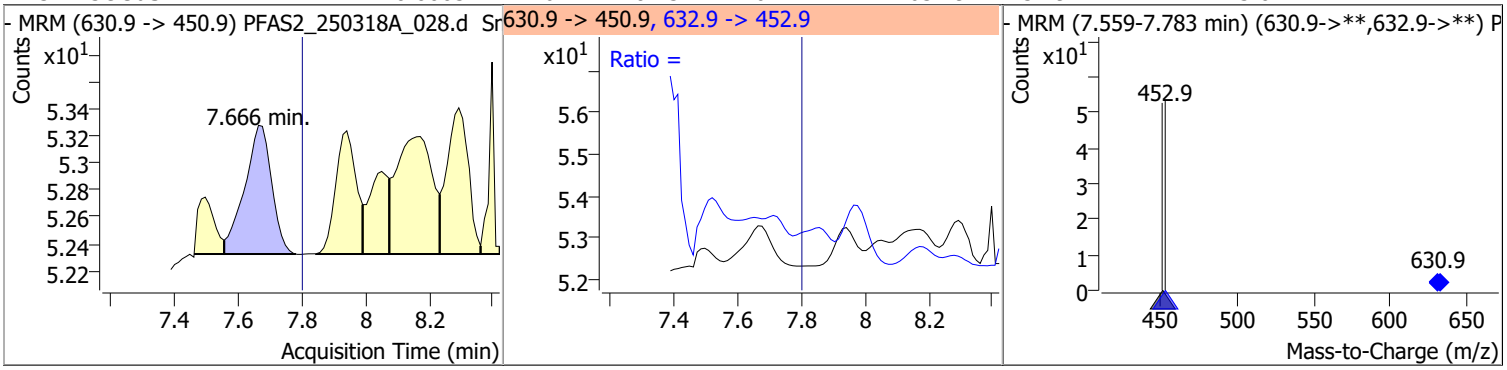
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0005	7.49	-0.04	3	598.9 -> 99.0	66.7	40.4	74.9



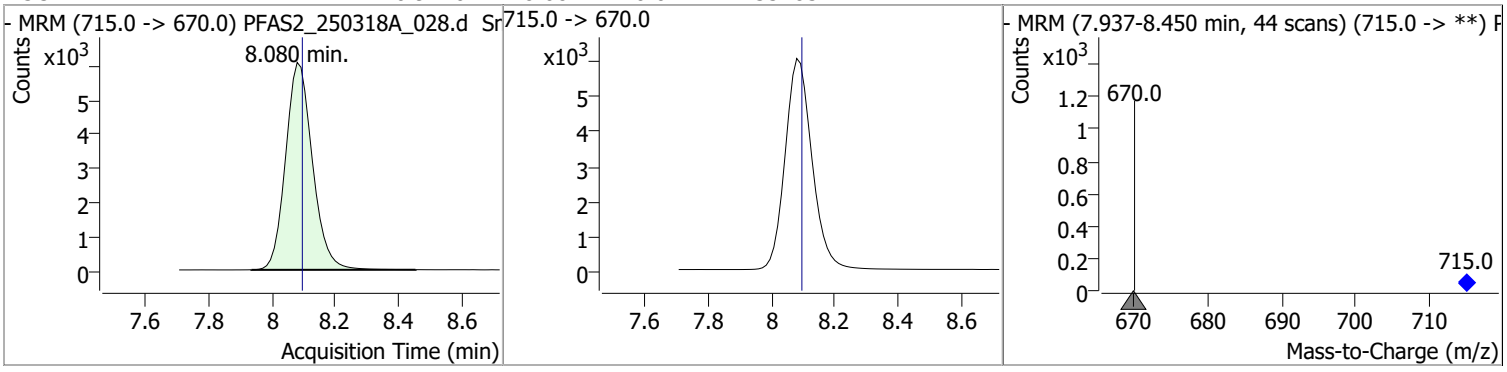
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0024	7.71	-0.02	68	663.0 -> 169.0	9.3	7.2	13.4



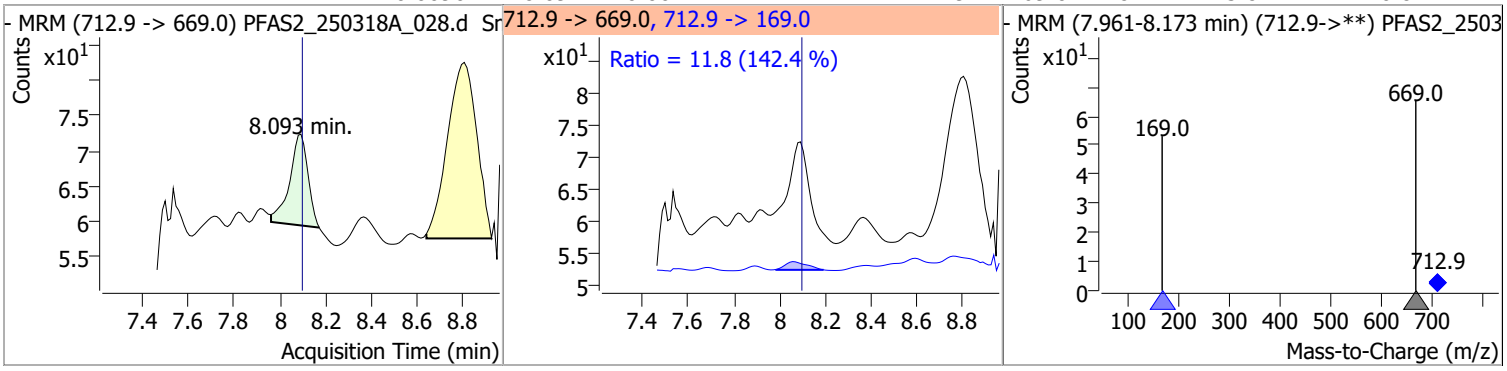
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0003	7.67	-0.13	6	632.9 -> 452.9		23.0	42.7



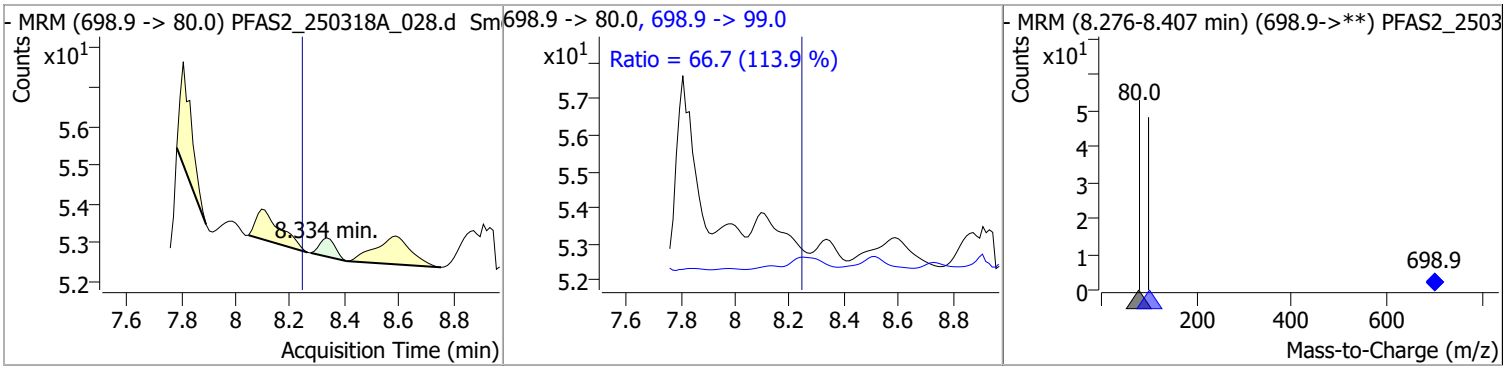
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9110	8.08	-0.01	35283				



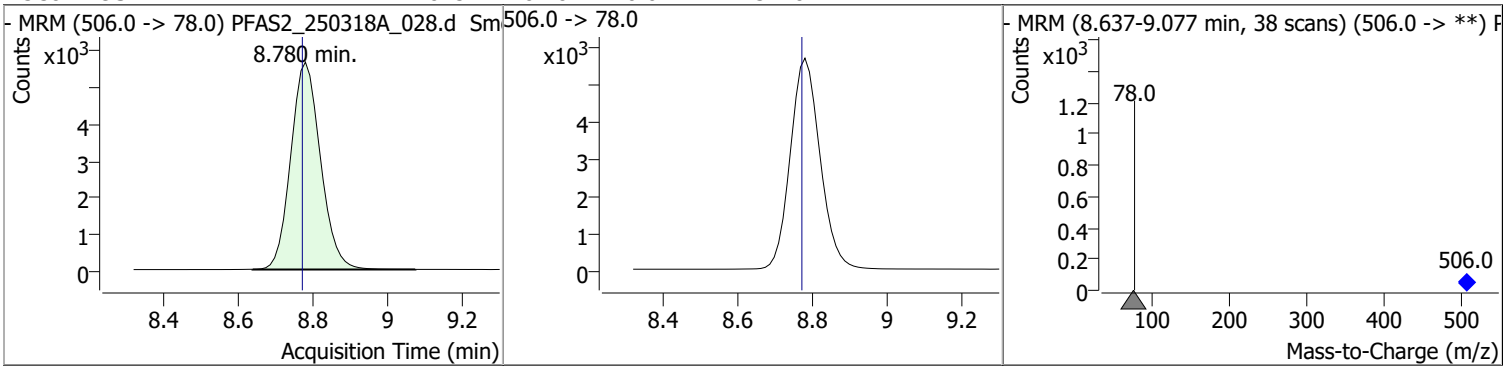
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0090	8.09	0.00	72	712.9 -> 169.0	11.8	5.8	10.8



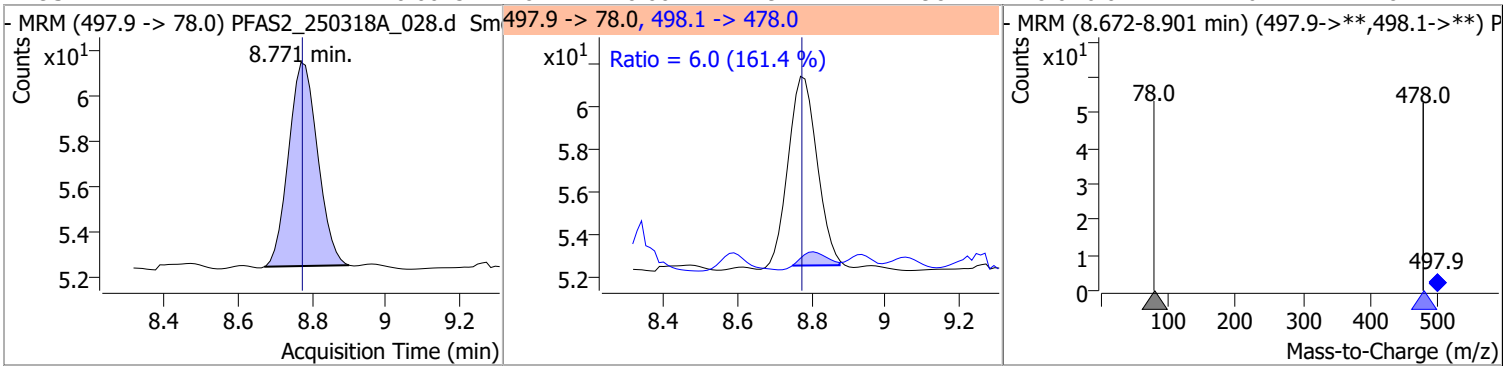
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0007	8.33	0.09	3	698.9 -> 99.0	66.7	41.0	76.1



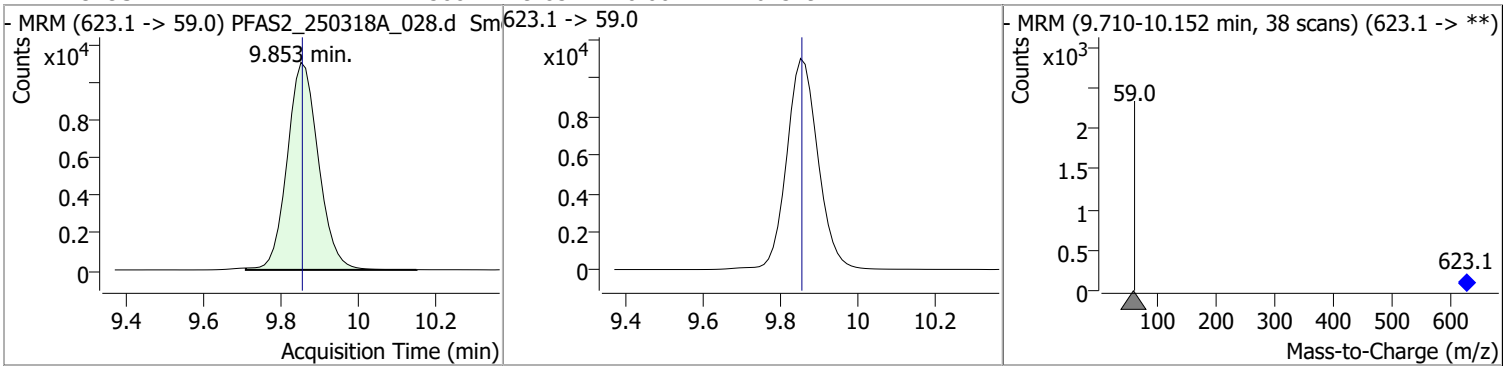
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1815	8.78	0.01	31481				



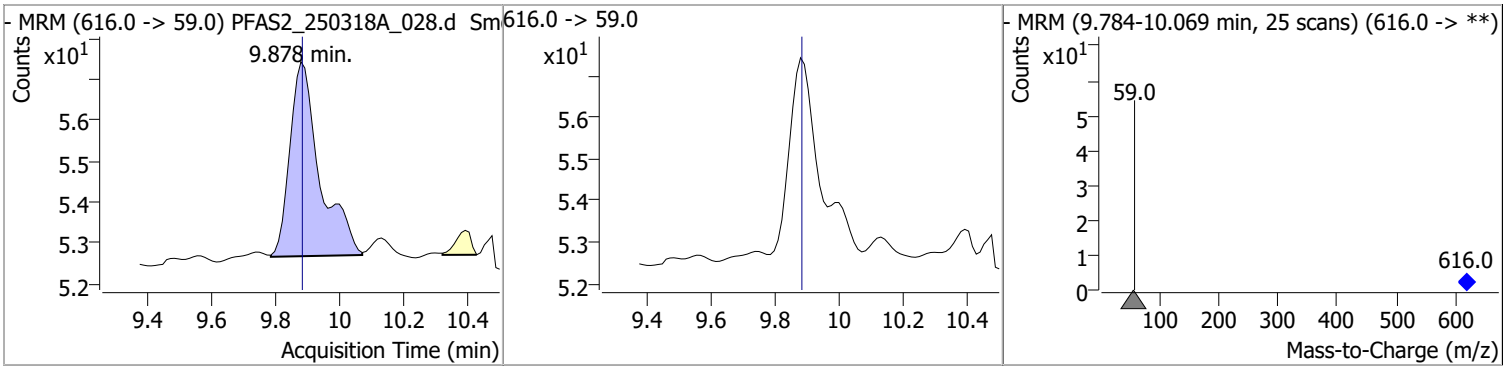
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0045	8.77	0.00	49	498.1 -> 478.0	6.0	2.6	4.8



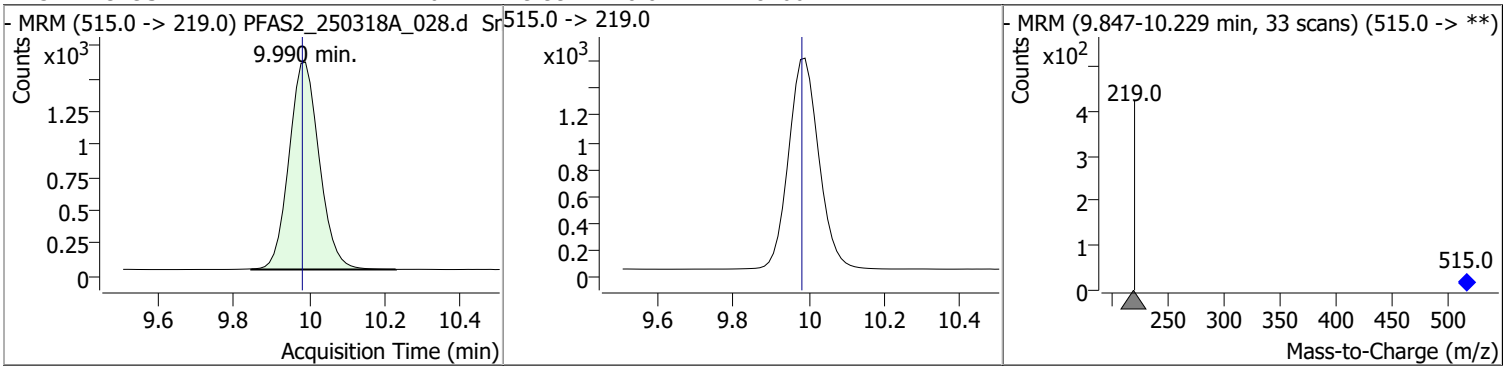
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.5882	9.85	0.00	61579				



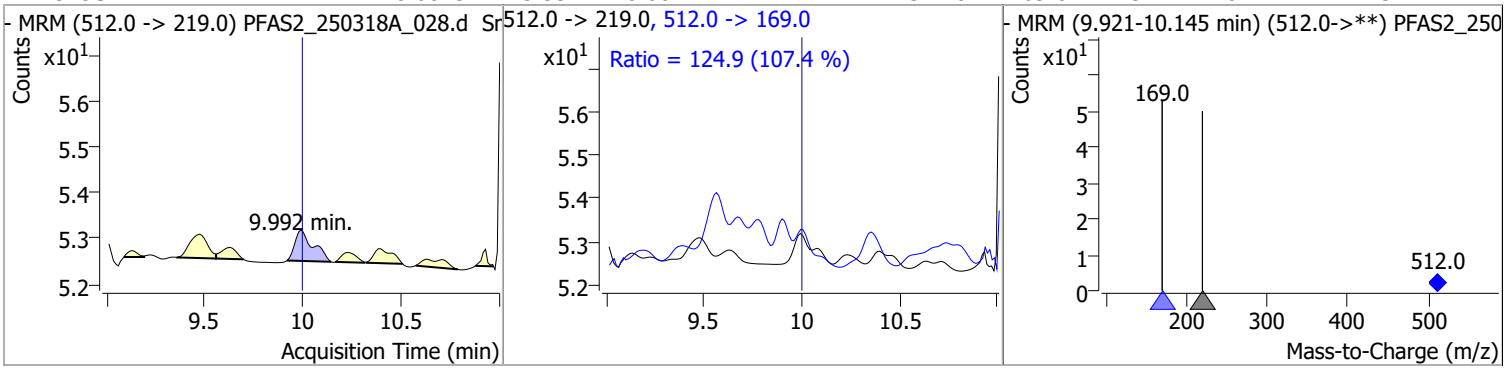
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	31				



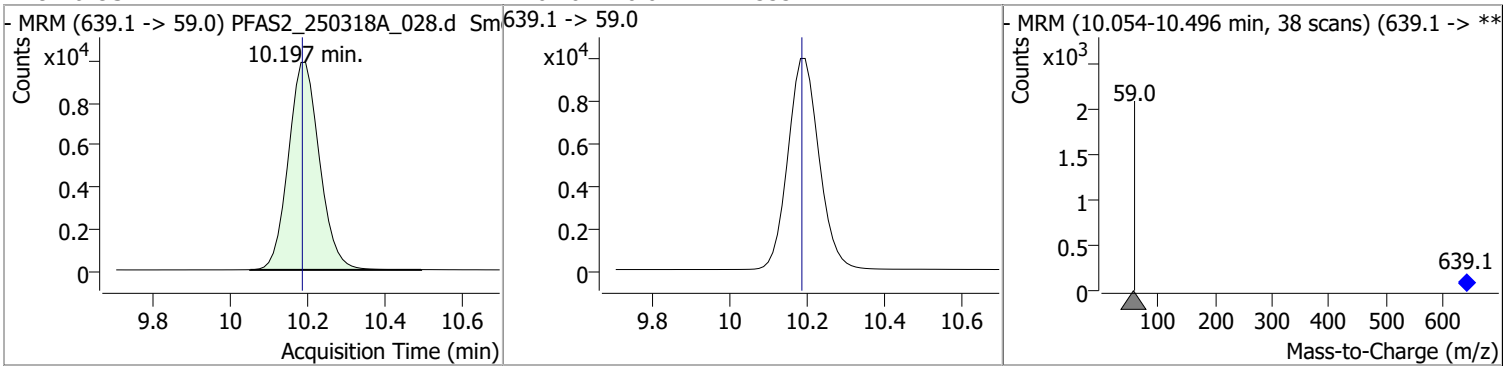
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1644	9.99	0.01	8766				



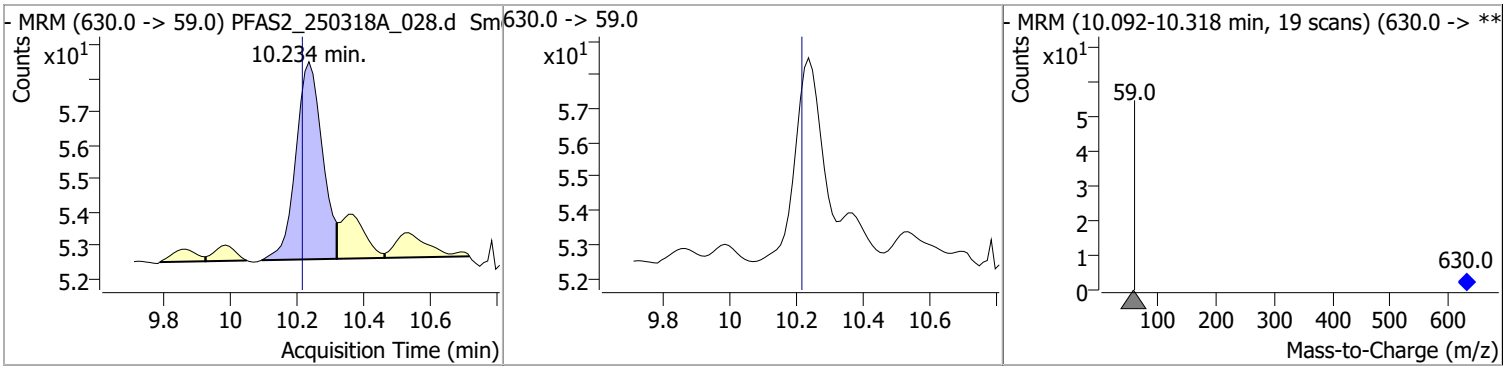
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0013	9.99	0.00	4	512.0 -> 169.0	124.9	81.4	151.2



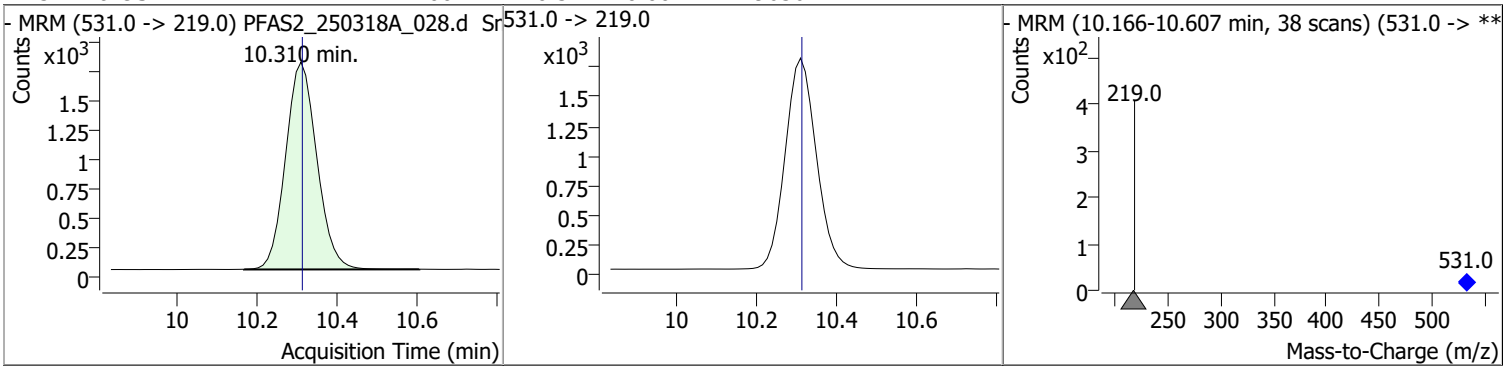
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4247	10.20	0.01	55511				



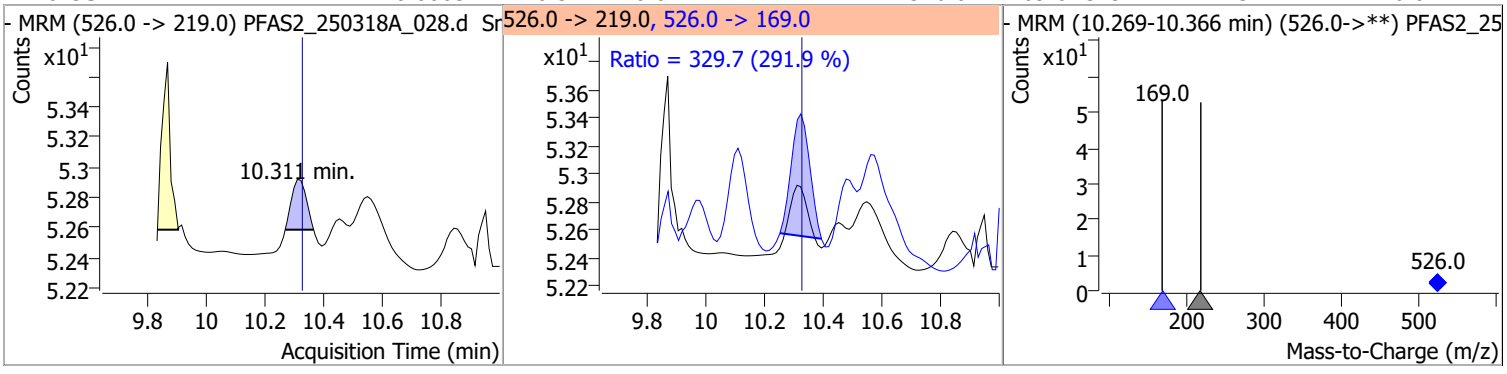
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0259	10.23	0.02	33				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2004	10.31	0.00	9636				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0003	10.31	-0.01	1	526.0 -> 169.0	329.7	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW29A-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-05	File ID:	PFAS2_250318A_029.d
Sampled:	03/11/25 17:14	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:26
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	514.8805 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.58	0.47	3.11	6.22	J
2706-90-3	PFPeA	5.32	0.14	1.55	3.11	
307-24-4	PFHxA	3.17	0.13	0.78	1.55	
375-85-9	PFHpA	1.19	0.16	0.78	1.55	J
335-67-1	PFOA	1.61	0.12	0.78	1.55	
375-95-1	PFNA		0.09	0.78	1.55	U
335-76-2	PFDA		0.13	0.78	1.55	U
2058-94-8	PFUnA		0.18	0.78	1.55	U
307-55-1	PFDoA		0.11	0.78	1.55	U
72629-94-8	PFTrDA		0.07	0.78	1.55	U
376-06-7	PFTeDA		0.12	0.78	1.55	U
375-73-5	PFBS	3.09	0.18	0.69	1.38	
2706-91-4	PFPeS		0.20	0.73	1.47	U
355-46-4	PFHxS	1.33	0.22	0.71	1.42	J
375-92-8	PFHpS		0.40	0.74	1.48	U
1763-23-1	PFOS	1.31	0.21	0.90	1.81	J
68259-12-1	PFNS		0.19	0.75	1.50	U
335-77-3	PFDS		0.14	0.75	1.50	U
79780-39-5	PFDoS		0.08	0.75	1.51	U
757124-72-4	4:2FTS		0.40	2.91	5.83	U
27619-97-2	6:2FTS		2.69	2.95	5.90	U
39108-34-4	8:2FTS		0.59	2.98	5.96	U
754-91-6	PFOSA		0.10	0.78	1.55	U
31506-32-8	NMeFOSA		0.25	0.78	1.55	U
4151-50-2	NEtFOSA		0.30	0.78	1.55	U
2355-31-9	NMeFOSAA		0.43	0.78	1.55	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW29A-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-05	File ID:	PFAS2_250318A_029.d
Sampled:	03/11/25 17:14	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:26
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	514.8805 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.55	Q, U
24448-09-7	NMeFOSE		0.98	7.77	15.5	U
1691-99-2	NEtFOSE		1.22	7.77	15.5	U
13252-13-6	HFPO-DA		0.40	1.55	3.11	U
919005-14-4	ADONA		0.15	1.47	2.93	U
756426-58-1	9CL-PF3ONS		0.17	1.45	2.90	U
763051-92-9	11CL-PF3OUdS		0.30	1.47	2.93	U
356-02-5	3:3FTCA		0.64	3.11	6.22	U
914637-49-3	5:3FTCA		3.55	15.5	31.1	U
812-70-4	7:3FTCA		2.97	15.5	31.1	U
113507-82-7	PFEESA		0.17	1.38	2.77	U
377-73-1	PFMPA		0.11	1.55	3.11	U
863090-89-5	PFMBA		0.12	1.55	3.11	U
151772-58-6	NFDHA		0.44	1.55	3.11	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_029.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:26:25 PM
Sample Name	O25C0550-05	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

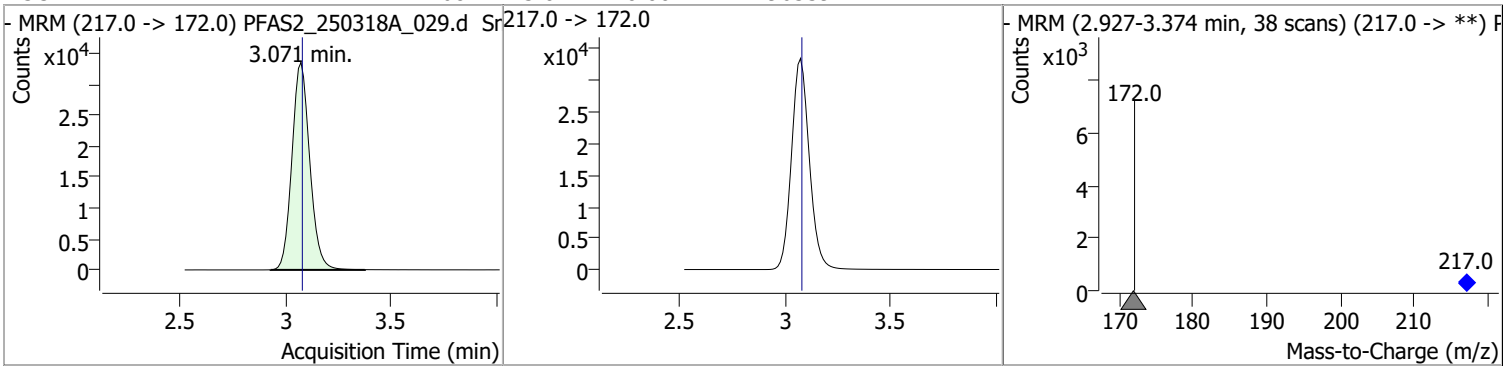
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	119554	5.0000	µg/L		-12.634
13C2-PFHxA	4.890	315.0 -> 270.0	135861	2.5000	µg/L		-11.448
18O2-PFHxS	5.955	403.0 -> 84.0	25058	2.5000	µg/L		-15.431
13C4-PFOA	5.823	417.0 -> 172.0	14918	2.5000	µg/L		-3.432
13C5-PFNA	6.226	468.0 -> 423.0	75520	1.2500	µg/L		6.109
13C2-PFDA	6.603	515.0 -> 470.0	62776	1.2500	µg/L		-6.131
13C4-PFOS	6.771	503.0 -> 80.0	23197	2.5000	µg/L		-6.874
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	196339	10.0000	µg/L		-36.834
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 72.27%			
13C5-PFPeA	4.222	268.0 -> 223.0	185956	5.0000	µg/L		-10.131
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	185956	5.0000	µg/L		-10.131
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29158	5.0000	µg/L	#	15.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 137.02%			
13C5-PFHxA	4.889	318.0 -> 273.0	140242	2.5000	µg/L		-16.940
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.78%			
13C5-PFHxA	4.889	318.0 -> 273.0	140242	2.5000	µg/L		-16.940
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.78%			
13C3-PFBS	4.929	302.0 -> 80.0	48387	2.5000	µg/L		-20.317
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.32%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154895	10.0000	µg/L		-11.373
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.08%			
13C4-PFHpA	5.397	367.0 -> 322.0	170629	2.5000	µg/L		-9.666
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.04%			
13C3-PFHxS	5.956	402.0 -> 80.0	26589	2.5000	µg/L		-23.919
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.99%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15874	5.0000	µg/L	#	7.482
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 127.23%			
13C8-PFOA	5.823	421.0 -> 376.0	159363	2.5000	µg/L		-7.744
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.55%			
13C3-PFHxS	5.956	402.0 -> 80.0	26589	2.5000	µg/L		-23.919
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.99%			
13C9-PFNA	6.225	472.0 -> 427.0	67560	1.2500	µg/L		-4.121
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.32%			
13C8-PFOS	6.771	507.0 -> 80.0	20202	2.5000	µg/L		-20.099
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.83%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11656	5.0000	µg/L	#	-1.602
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.20%			
13C6-PFDA	6.603	519.0 -> 474.0	64288	1.2500	µg/L		-5.403
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.68%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	48560	5.0000	µg/L		-13.003
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.31%			
13C8-PFOS	6.771	507.0 -> 80.0	20202	2.5000	µg/L		-20.099

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.83%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	65192	5.0000	µg/L		54.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 165.92%		*	
13C7-PFUnDA	6.978	570.0 -> 525.0	48643	1.2500	µg/L		-9.254
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.66%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	35556	1.2500	µg/L		-19.401
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 85.72%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40781	1.2500	µg/L		2.092
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.77%			
13C2-PFTDA	8.080	715.0 -> 670.0	30332	1.2500	µg/L		-37.182
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.72%			
13C8-PFOSA	8.780	506.0 -> 78.0	31325	2.5000	µg/L		-15.248
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62868	25.0000	µg/L		-49.963
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.77%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8014	2.5000	µg/L		-22.710
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.80%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50876	25.0000	µg/L		-19.891
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.99%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8465	2.5000	µg/L		-24.689
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.88%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	6734	0.4718	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.766	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	18037	0.5480	µg/L	#	100
PFMBA	4.404	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.674	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.858	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	16368	0.3262	µg/L		100
PFBS	4.930	298.9 -> 80.0	6392	0.3183	µg/L		89
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.225	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	6664	0.1222	µg/L		95
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	223	0.0155	µg/L	#	62
DONA	0.000		0	N.D.			
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	8212	0.1662	µg/L	m	99
PFHxS	5.957	398.9 -> 80.0	1422	0.1375	µg/L		97
PFNA	6.214	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.580	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.648	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.641	498.9 -> 80.0	847	0.1353	µg/L		28
N-EtFOSAA	7.180	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.206	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	6.709	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.231	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.284	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.585	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.629	663.0 -> 619.0	0	0.0000	µg/L	md	

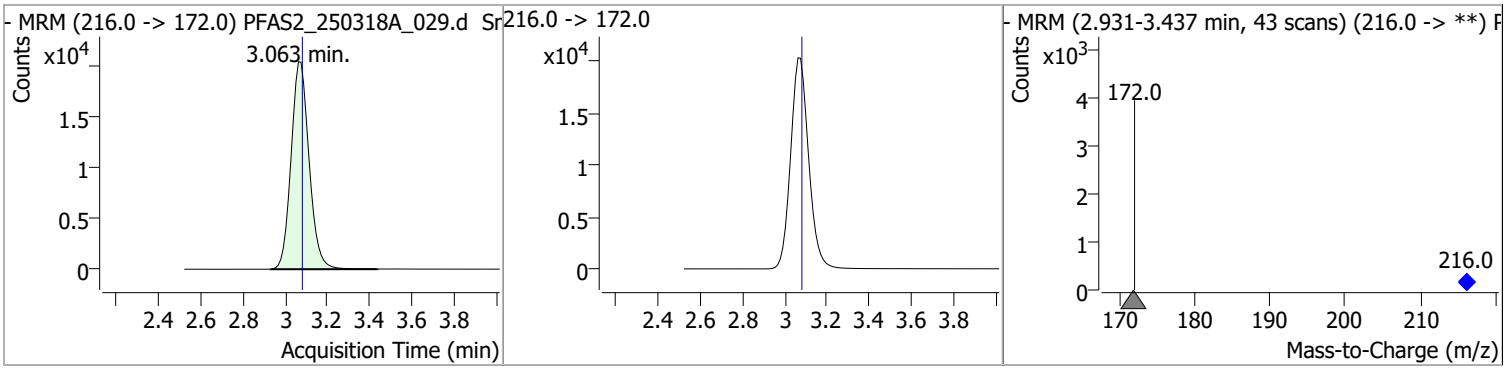
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.799	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.057	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.131	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	39	0.0000	µg/L		100
N-MeFOSA	10.051	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	44	0.0335	µg/L		100
N-EtFOSA	10.215	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

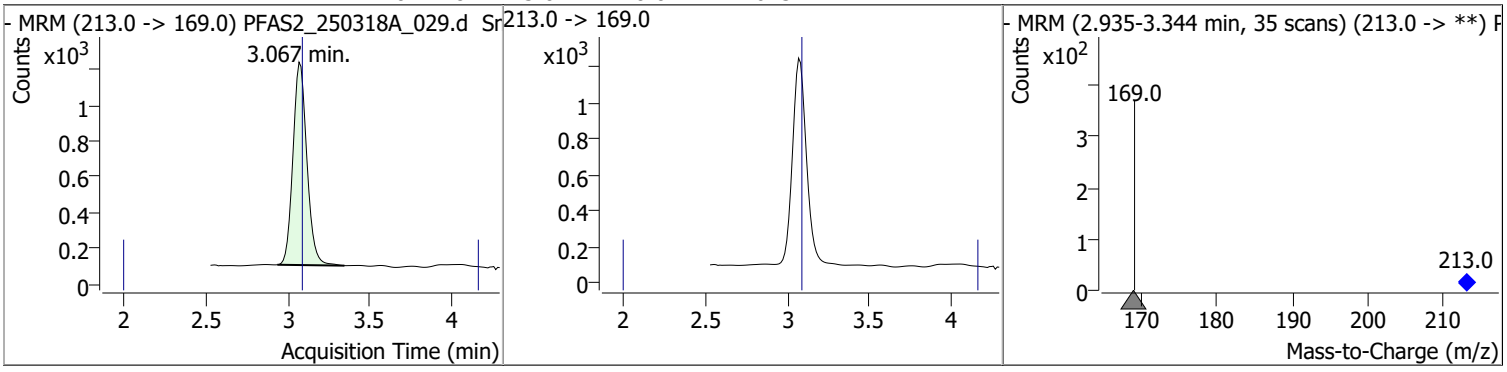
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.2268	3.07	0.00	196339				



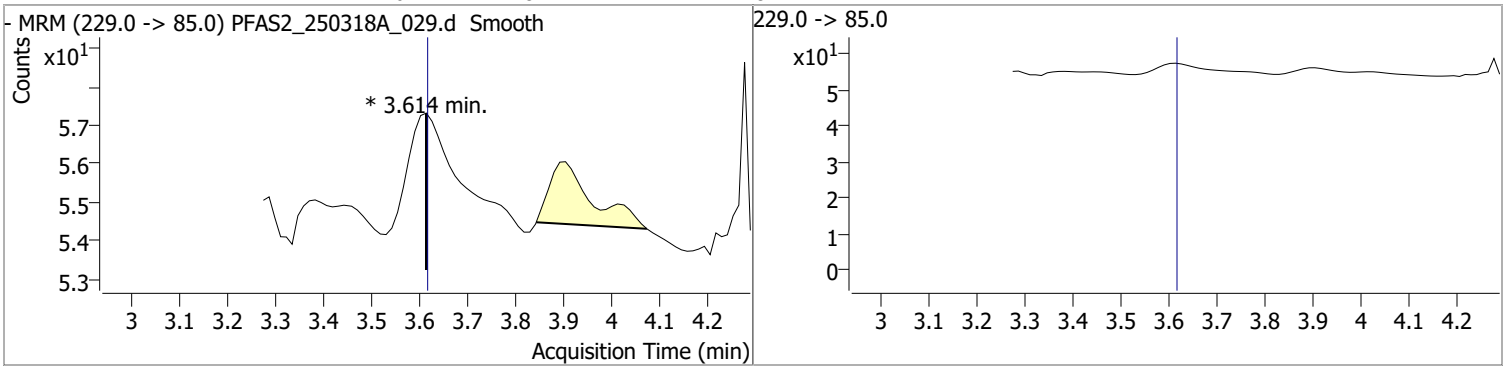
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	119554				



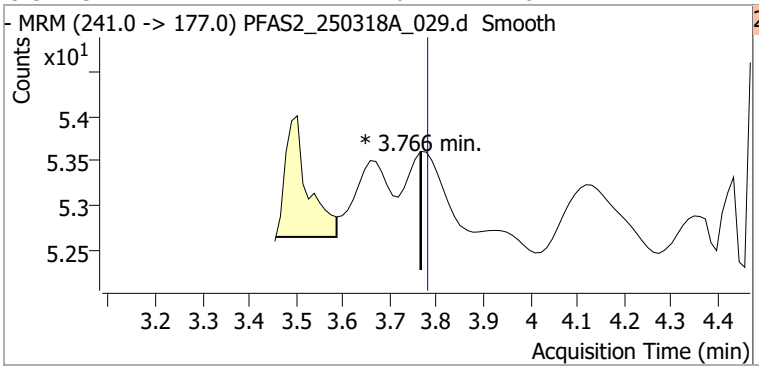
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4718	3.07	-0.01	6734				

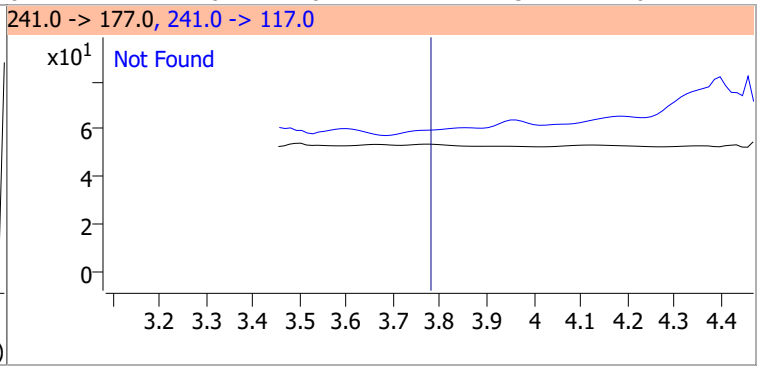


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

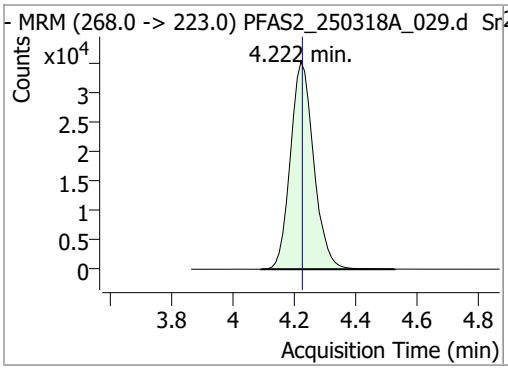


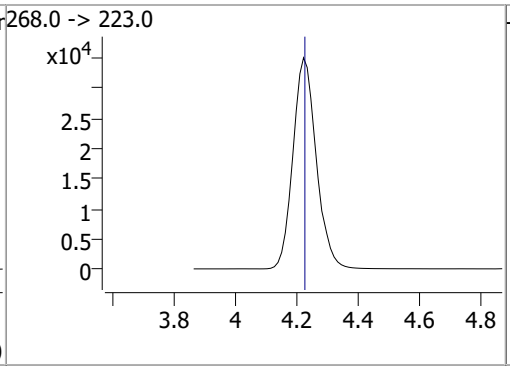
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

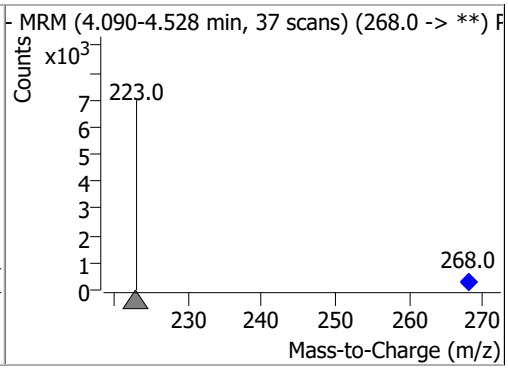




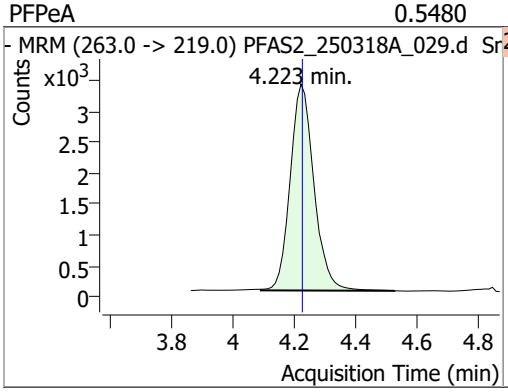
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0747	4.22	0.00	185956				

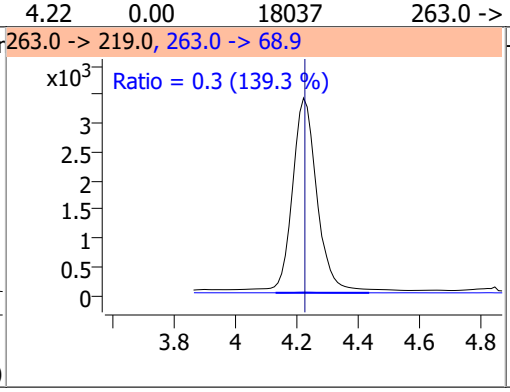


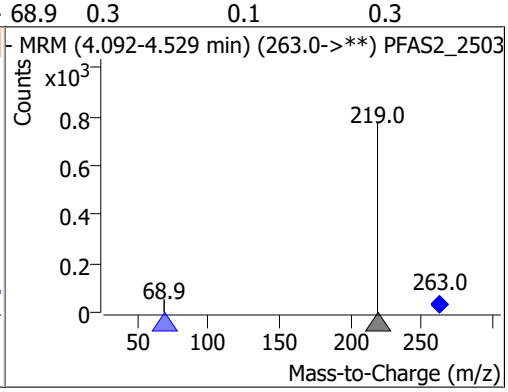




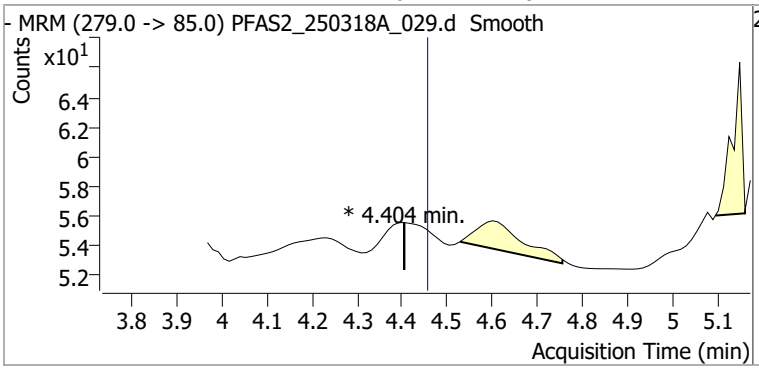
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.5480	4.22	0.00	18037	263.0 -> 68.9	0.3	0.1	0.3

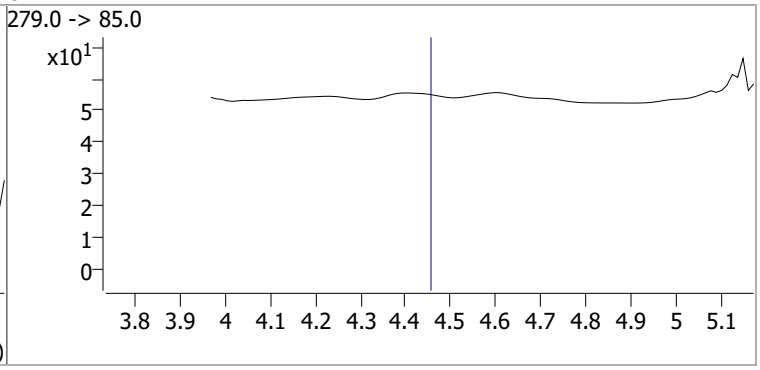




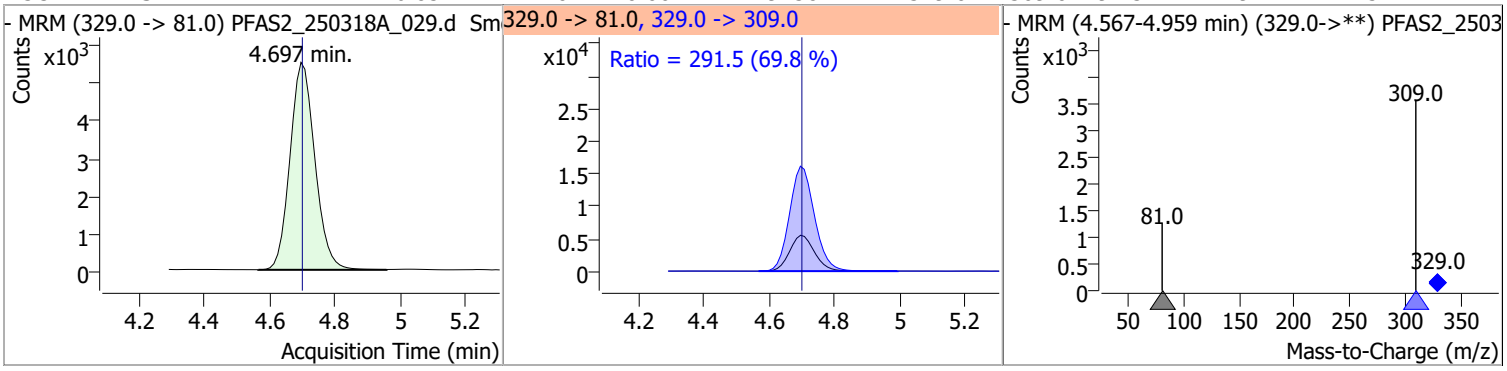


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

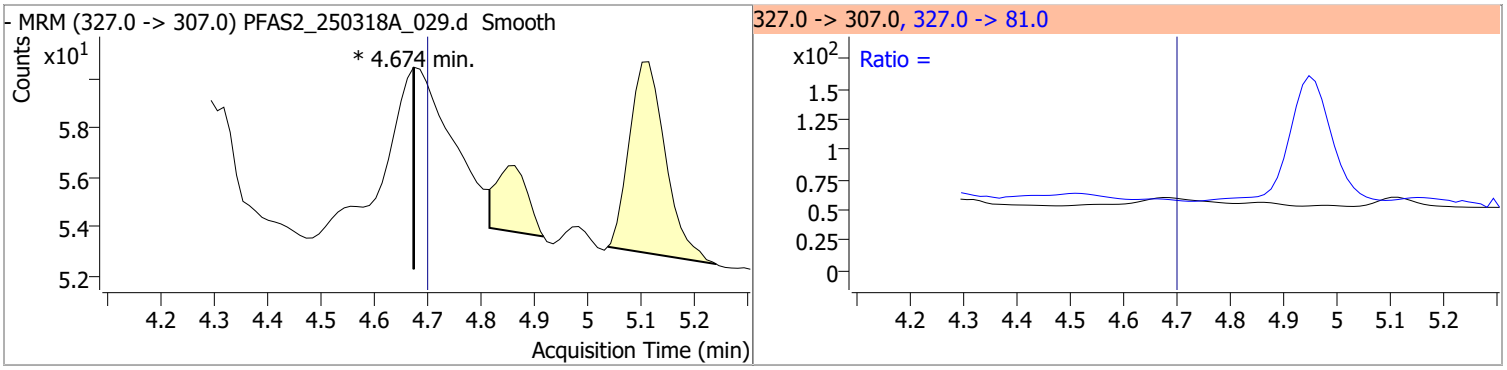




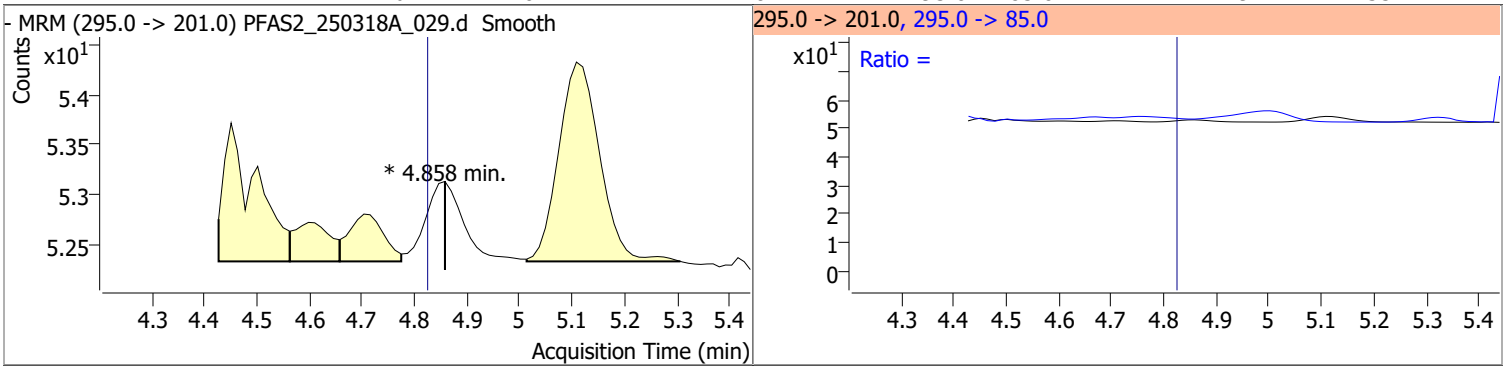
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.8511	4.70	0.00	29158	329.0 -> 309.0	291.5	292.1	542.4



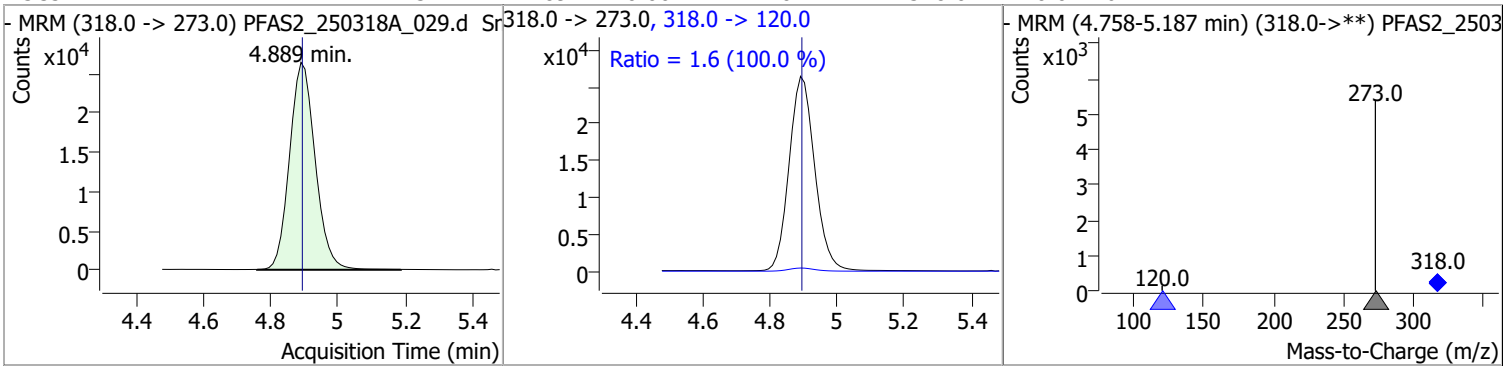
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



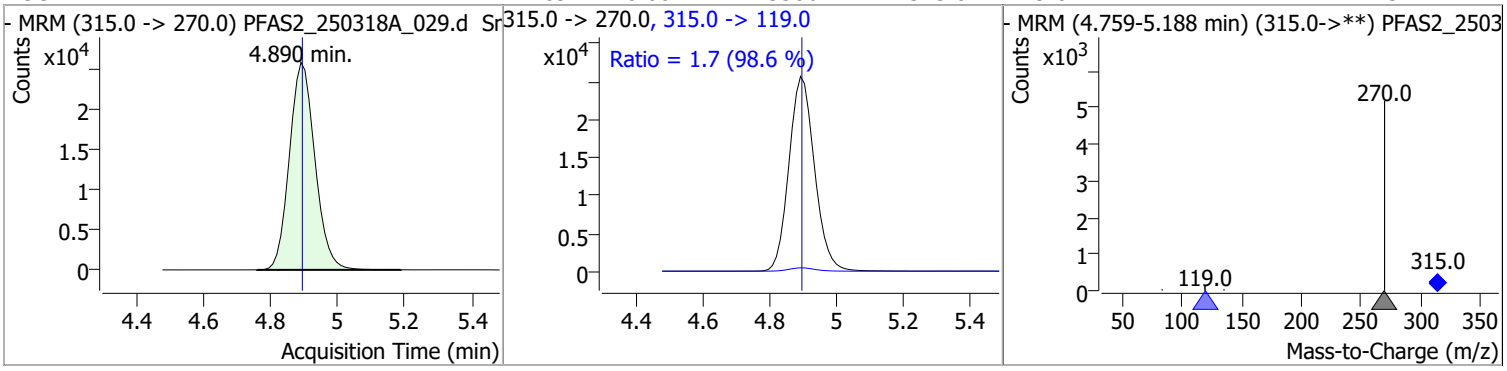
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



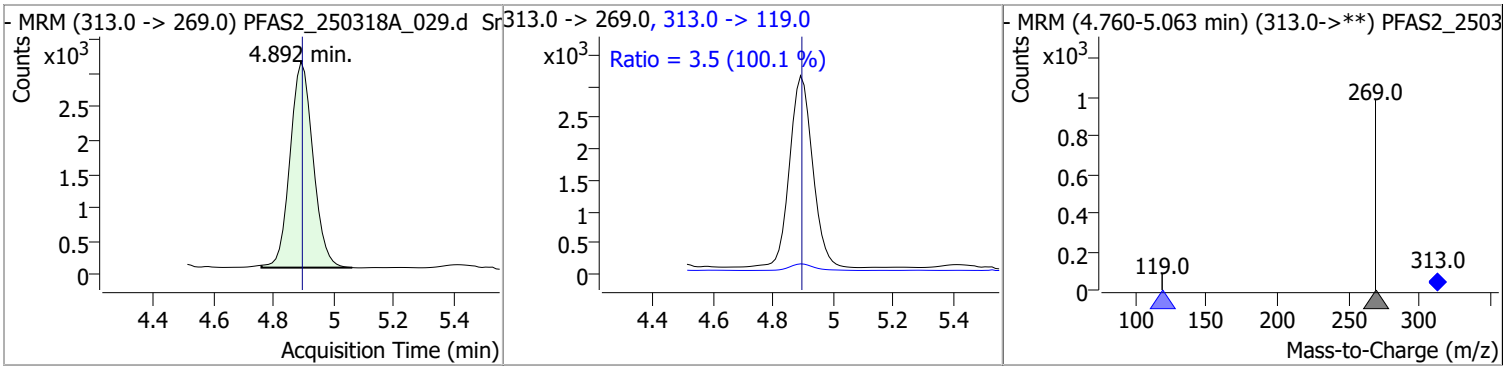
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3444	4.89	0.00	140242	318.0 -> 120.0	1.6	1.1	2.1



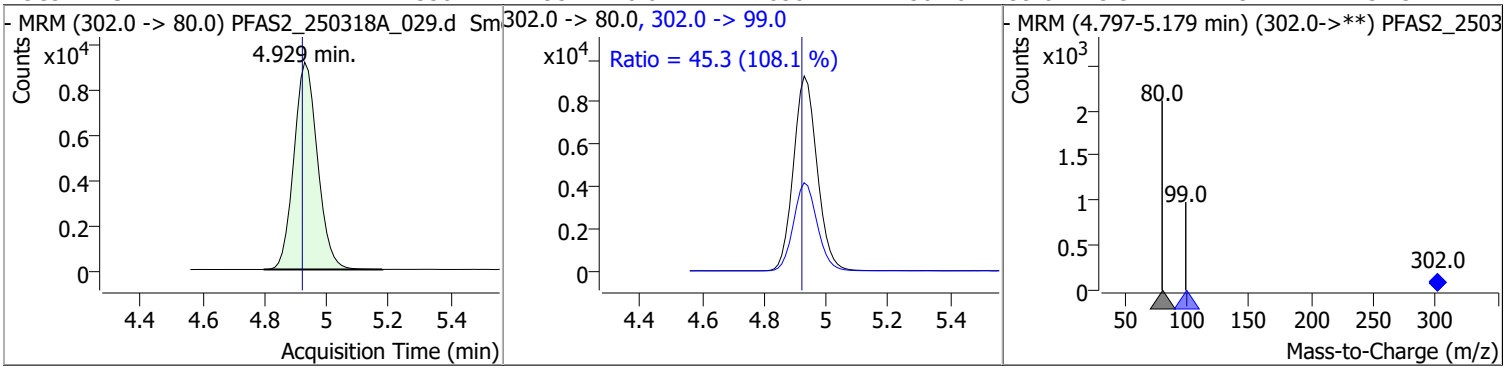
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	135861	315.0 -> 119.0	1.7	1.2	2.3



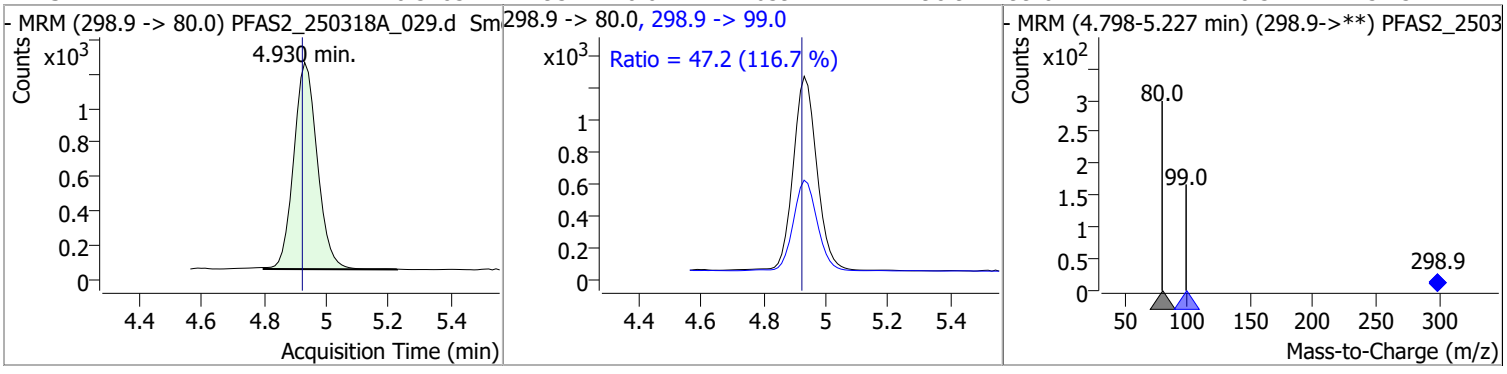
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.3262	4.89	0.00	16368	313.0 -> 119.0	3.5	2.4	4.5



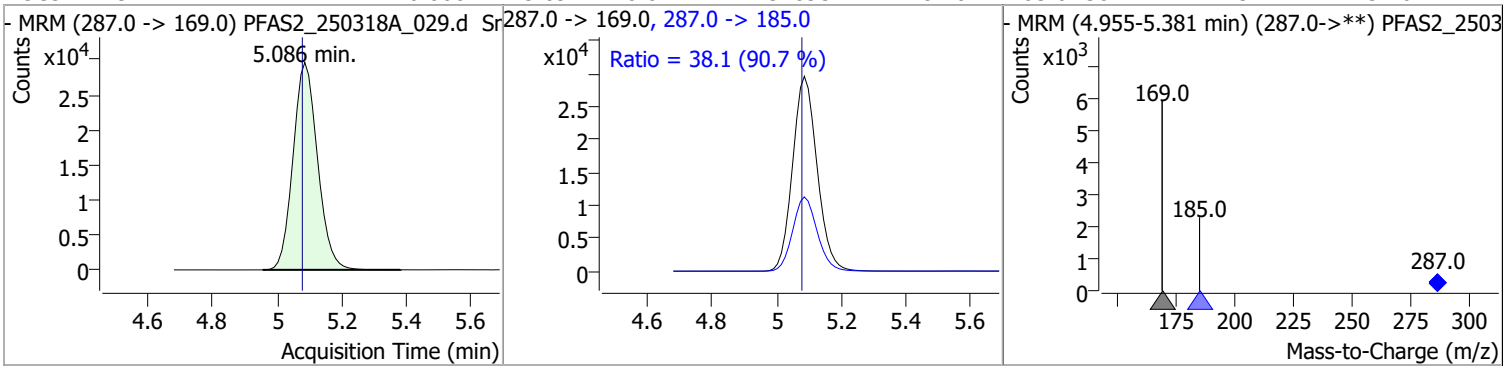
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3581	4.93	0.01	48387	302.0 -> 99.0	45.3	29.4	54.5



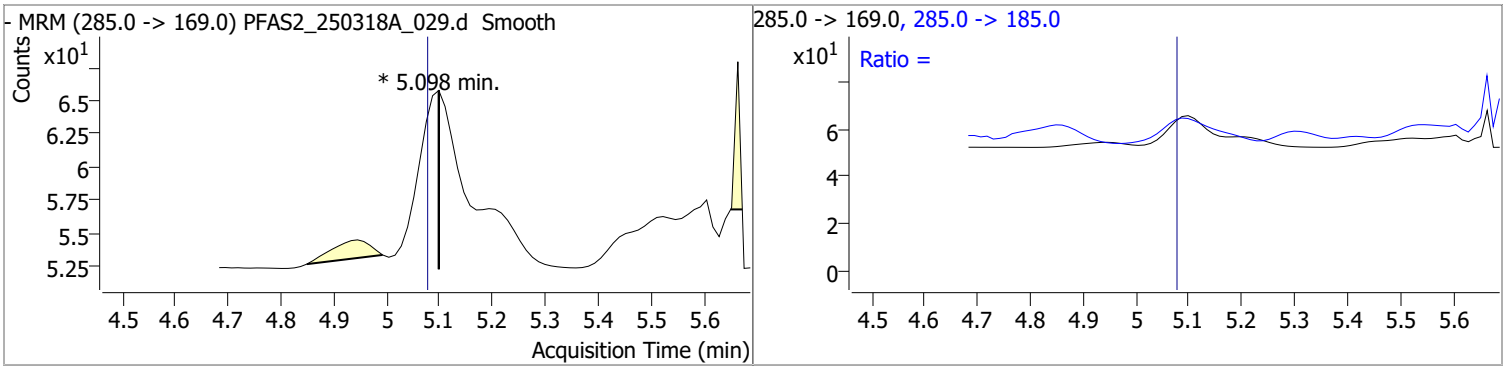
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.3183	4.93	0.01	6392	298.9 -> 99.0	47.2	28.3	52.5



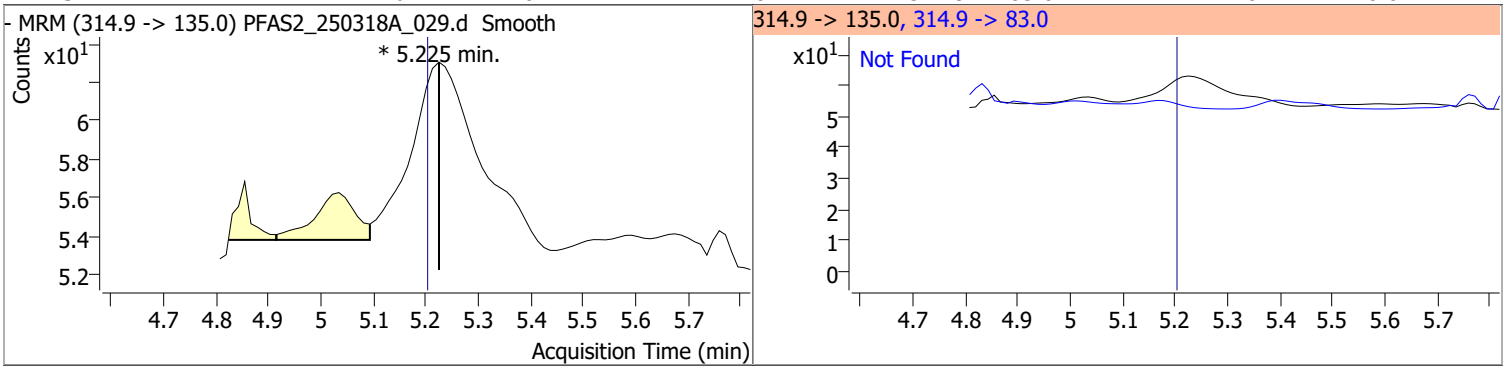
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0081	5.09	0.01	154895	287.0 -> 185.0	38.1	29.4	54.6



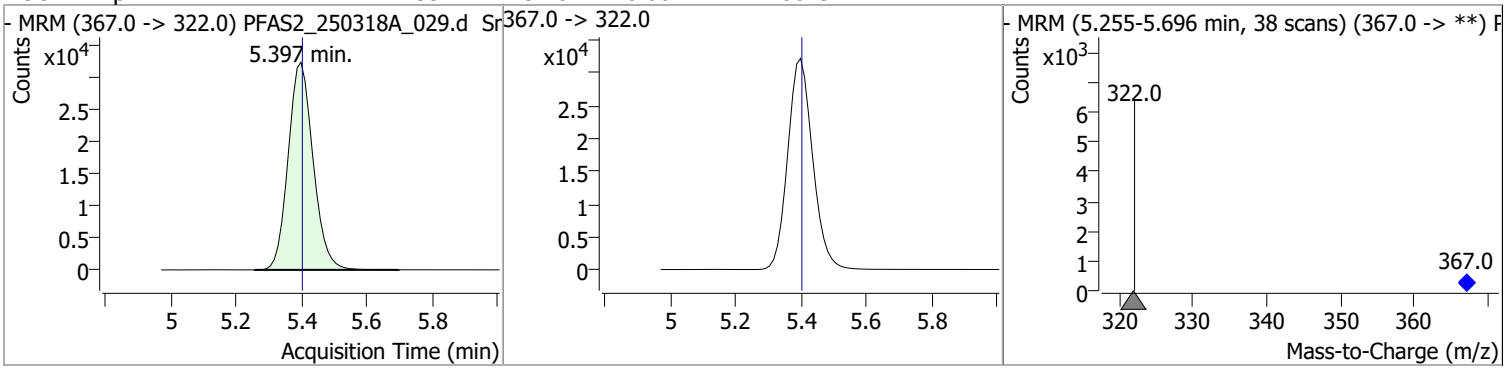
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



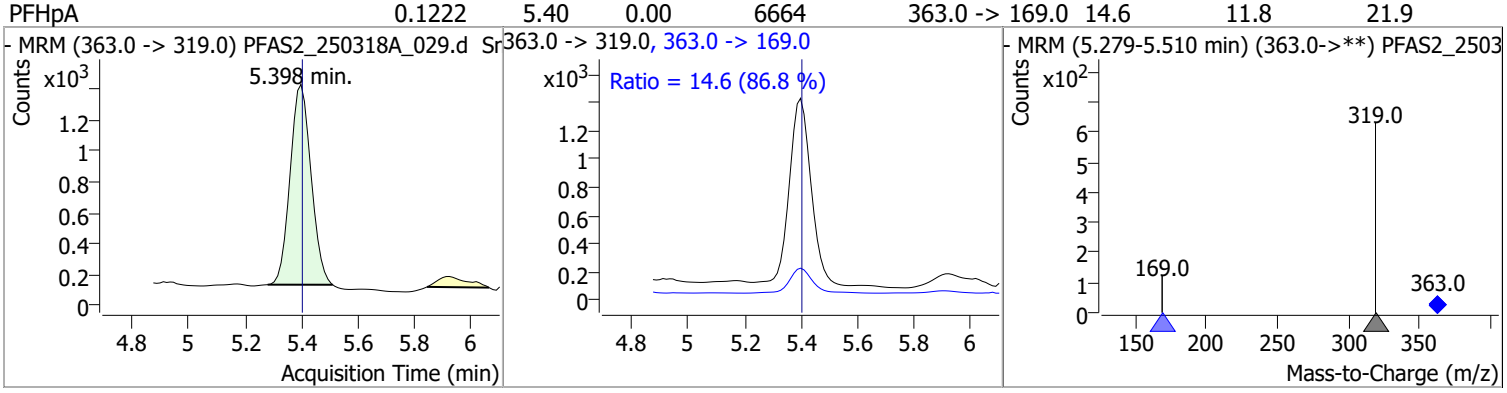
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



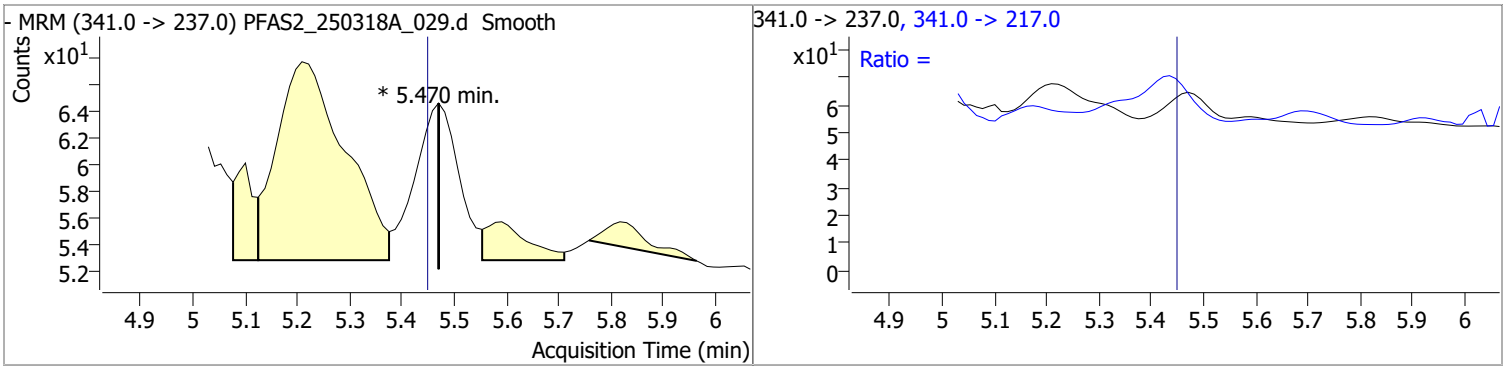
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5511	5.40	0.00	170629				



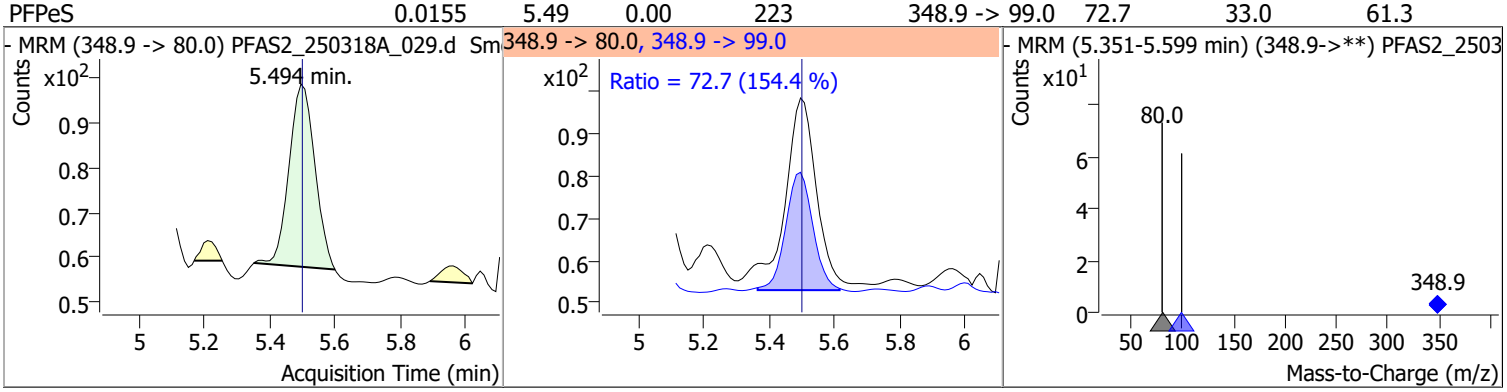
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.1222	5.40	0.00	6664	363.0 -> 169.0	14.6	11.8	21.9



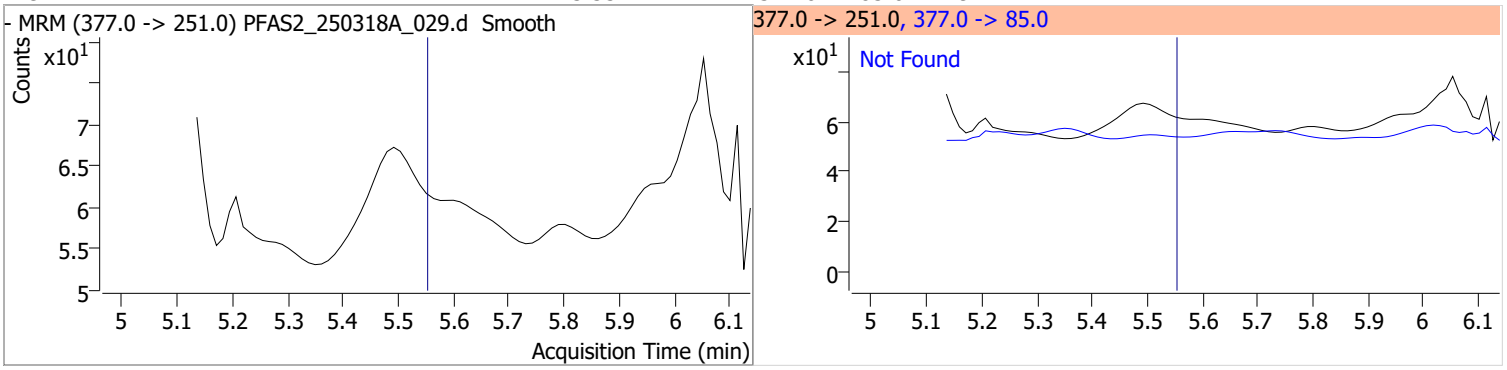
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



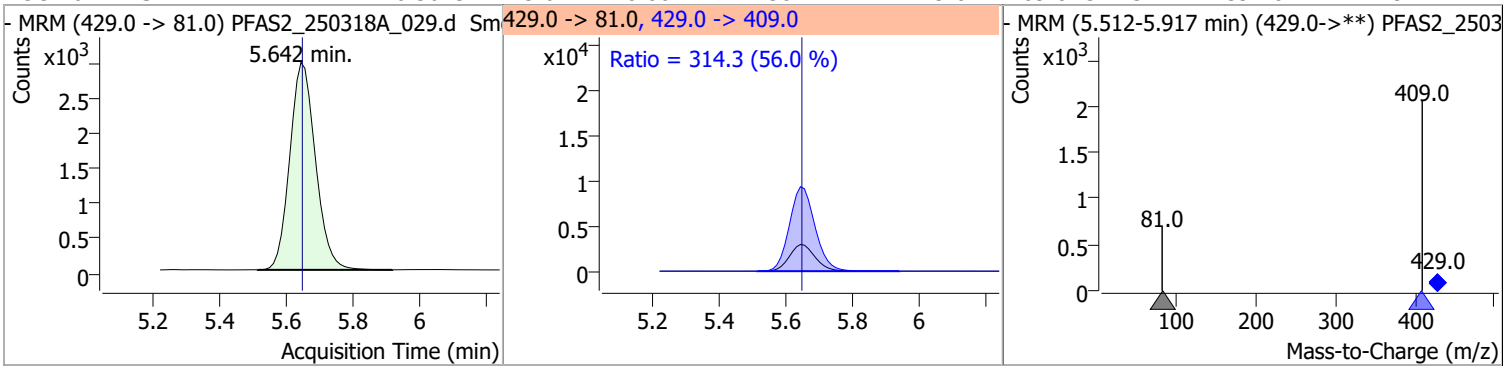
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0155	5.49	0.00	223	348.9 -> 99.0	72.7	33.0	61.3



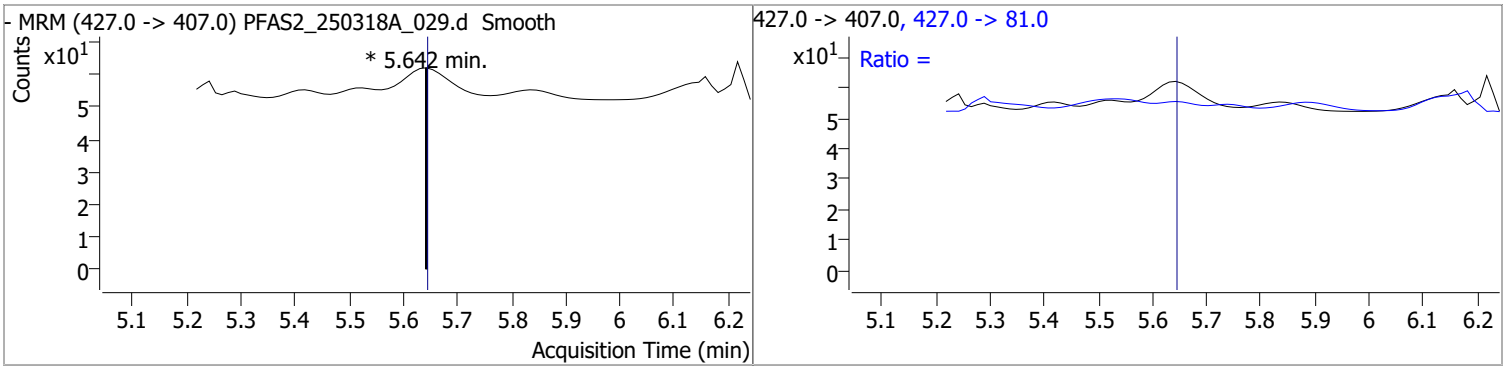
Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	5.55	377.0 -> 85.0	29.1



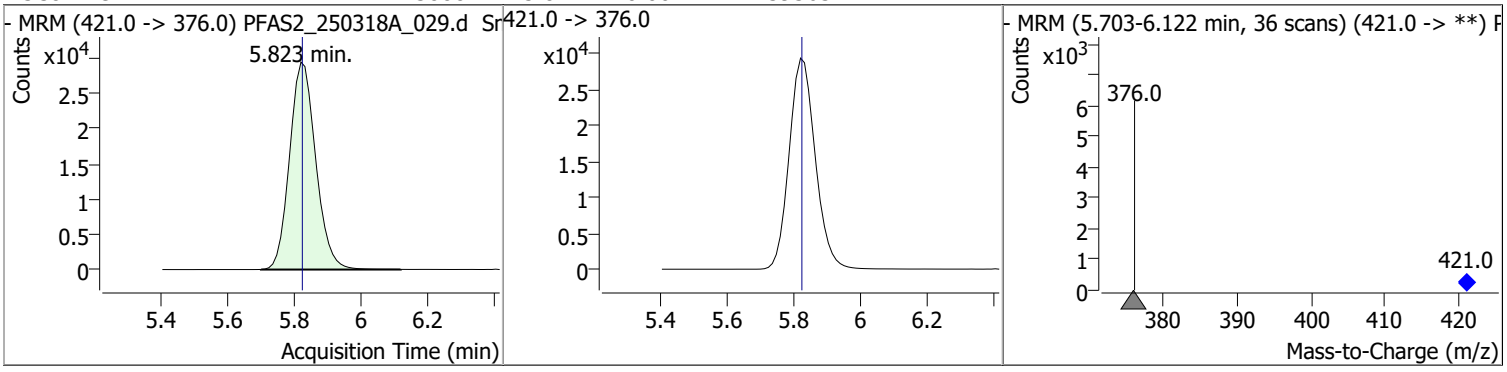
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.3615	5.64	0.00	15874	429.0 -> 409.0	314.3	392.8	729.4



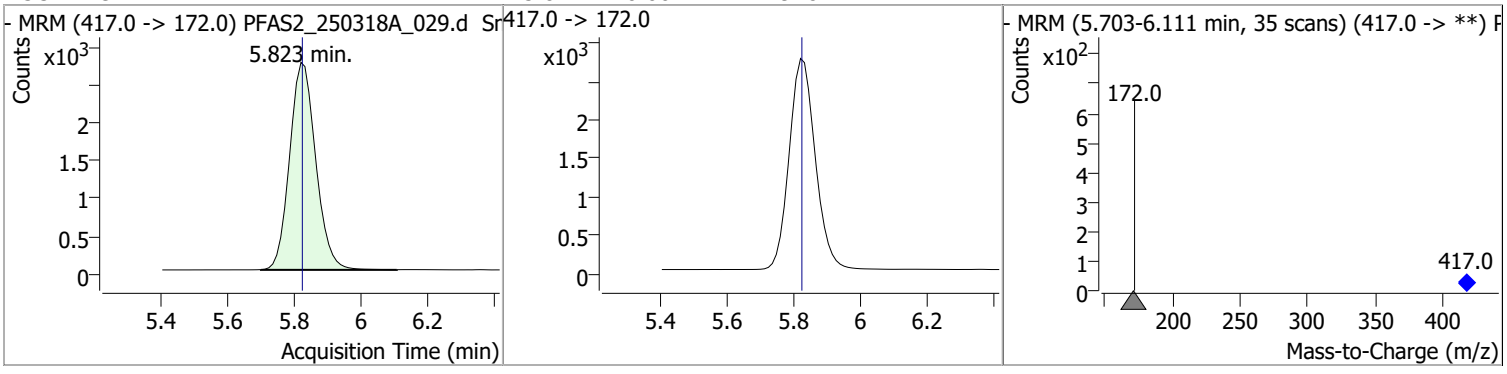
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



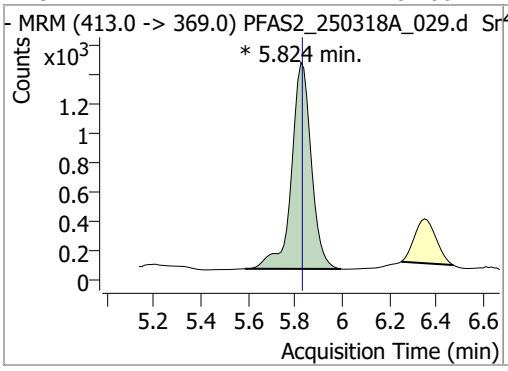
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3888	5.82	0.00	159363				

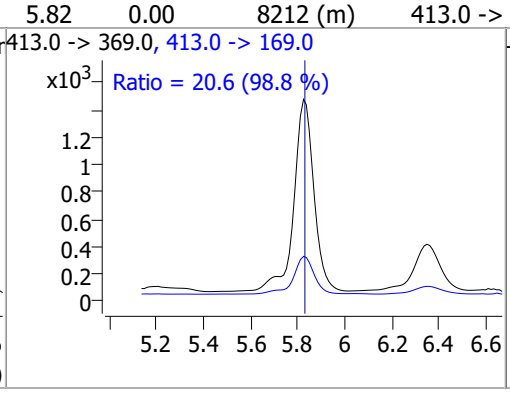


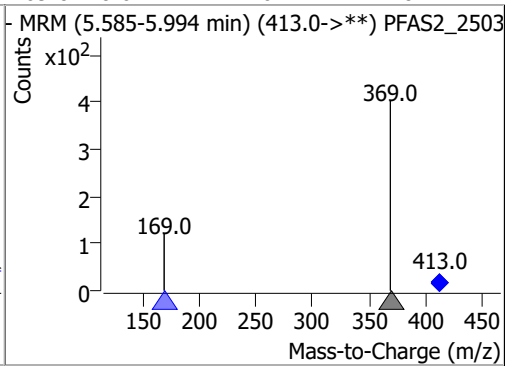
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14918				



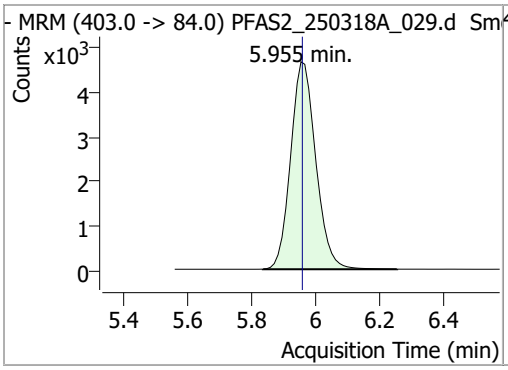
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.1662	5.82	0.00	8212 (m)	413.0 -> 169.0	20.6	14.6	27.0

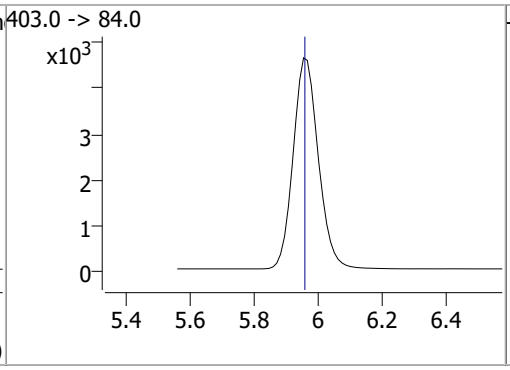


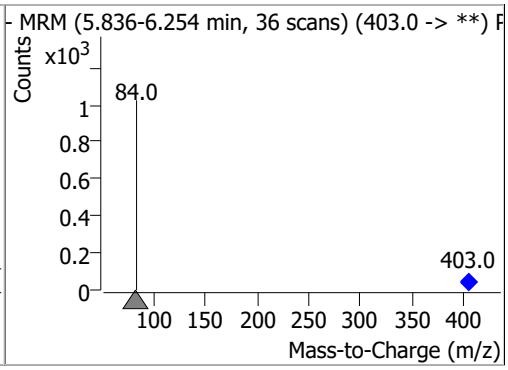




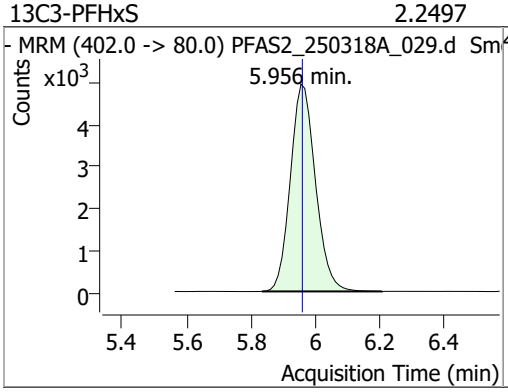
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25058				

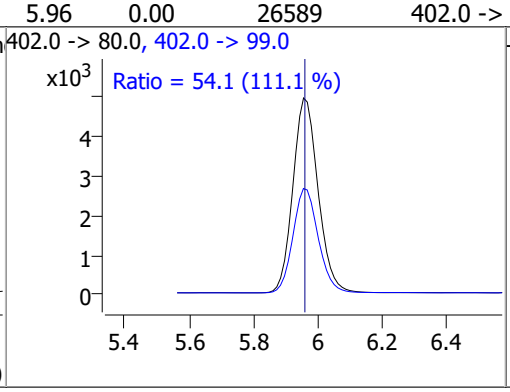


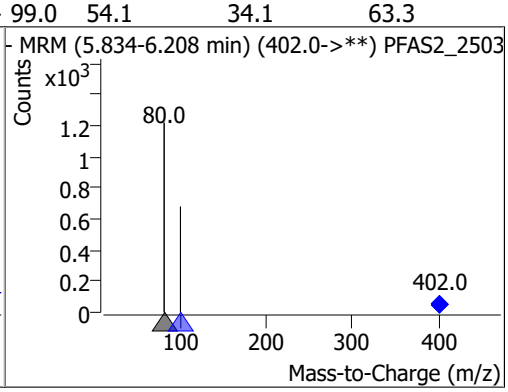




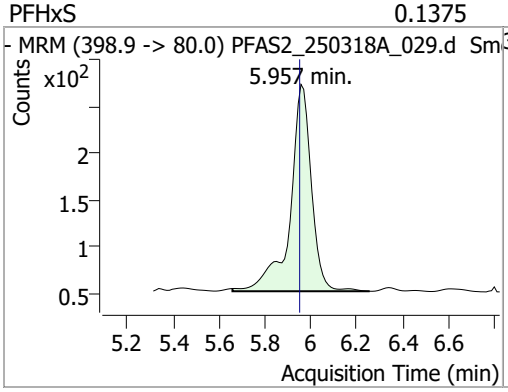
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2497	5.96	0.00	26589	402.0 -> 99.0	54.1	34.1	63.3

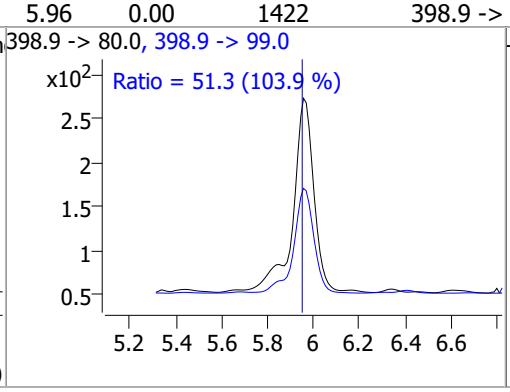


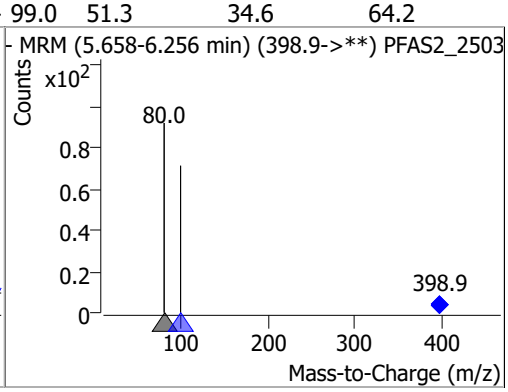




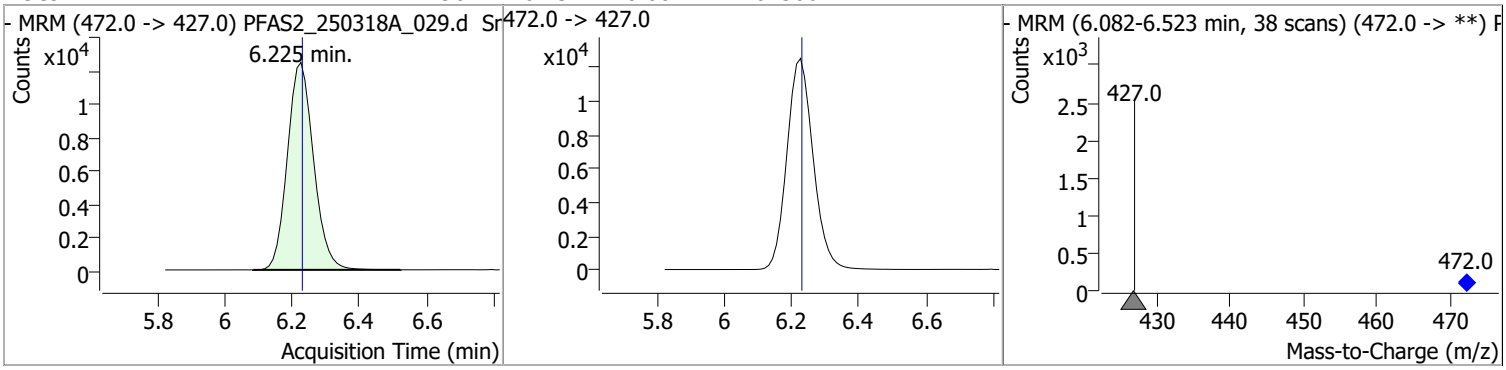
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1375	5.96	0.00	1422	398.9 -> 99.0	51.3	34.6	64.2



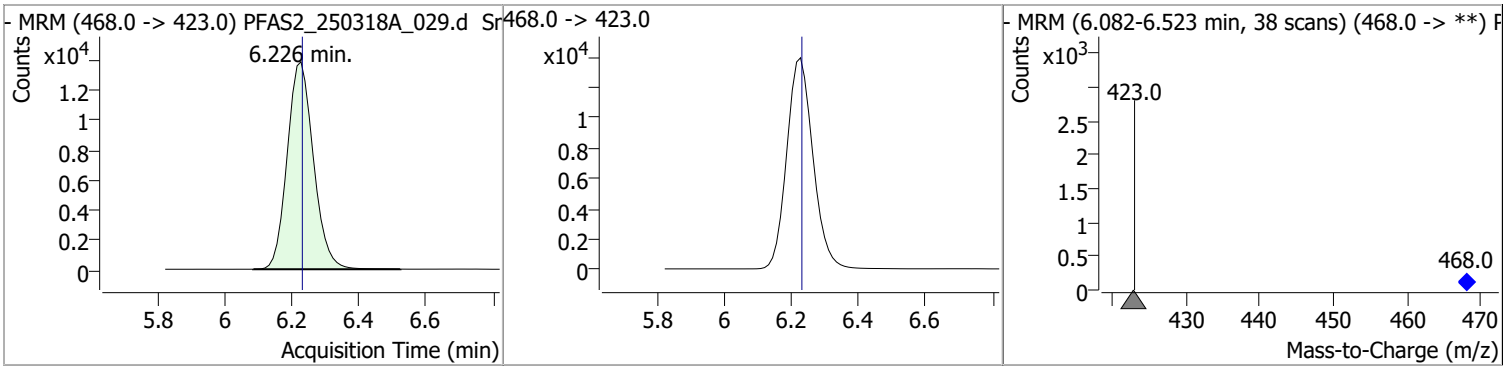




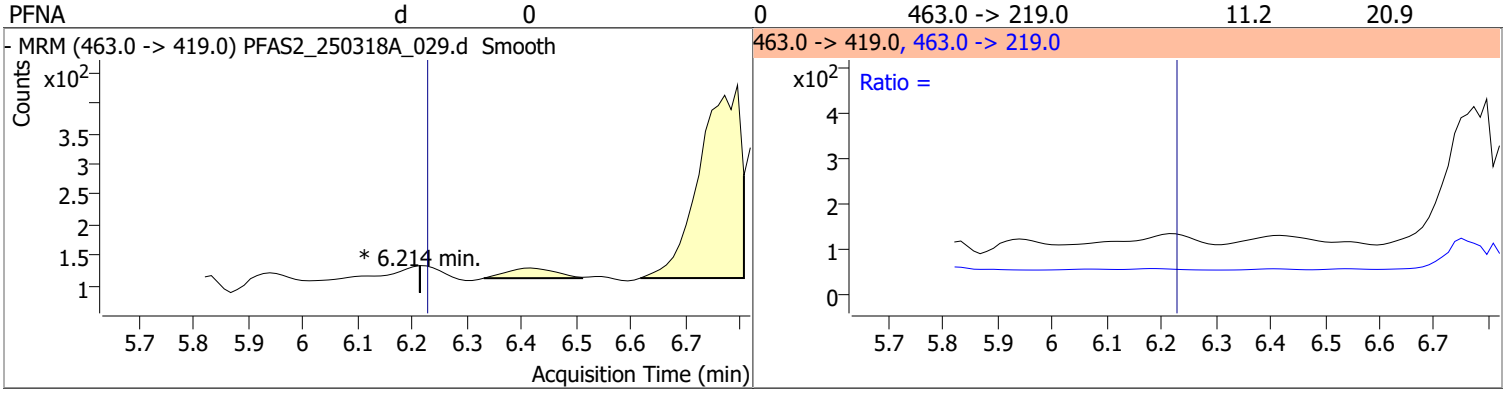
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1290	6.23	0.00	67560				



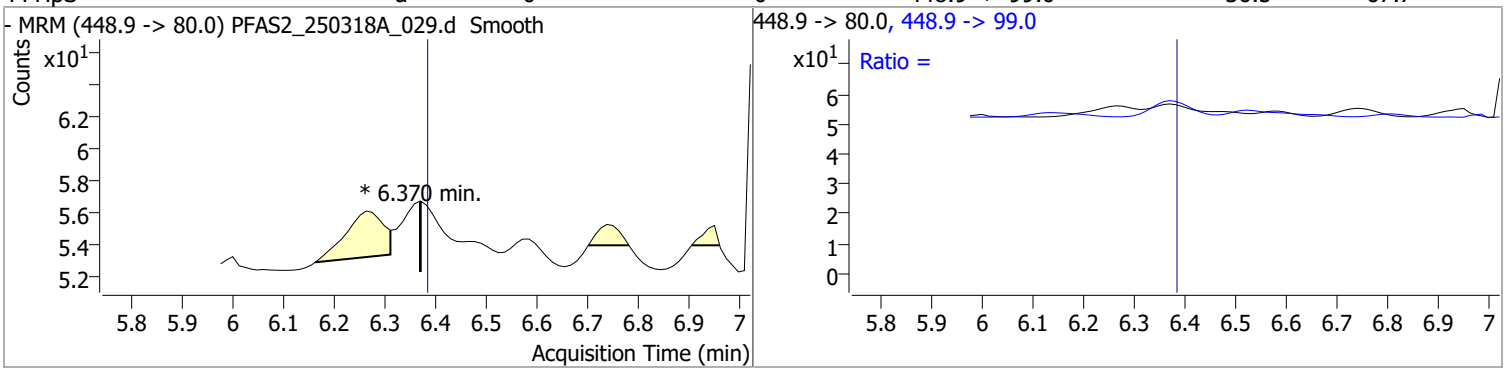
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	75520				



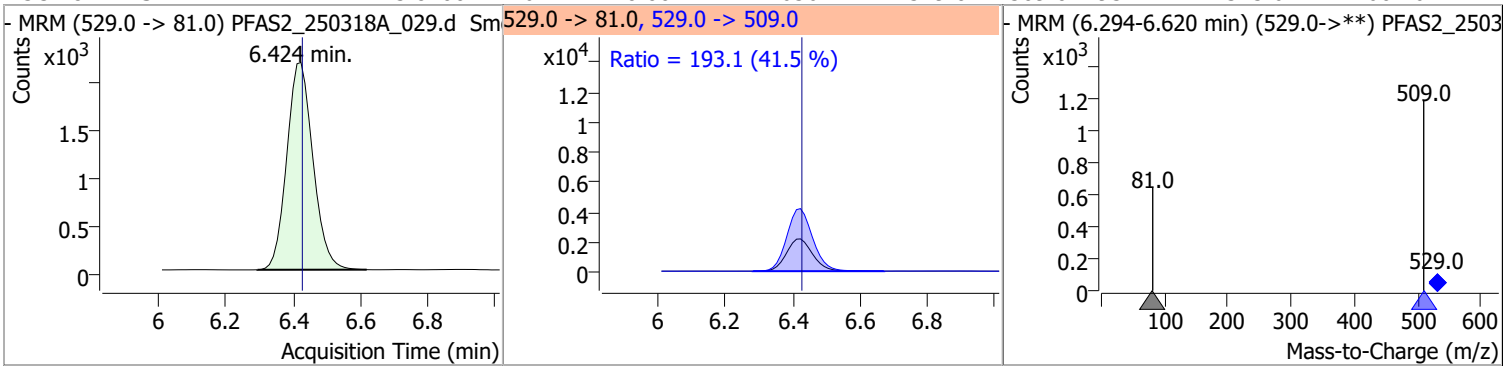
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



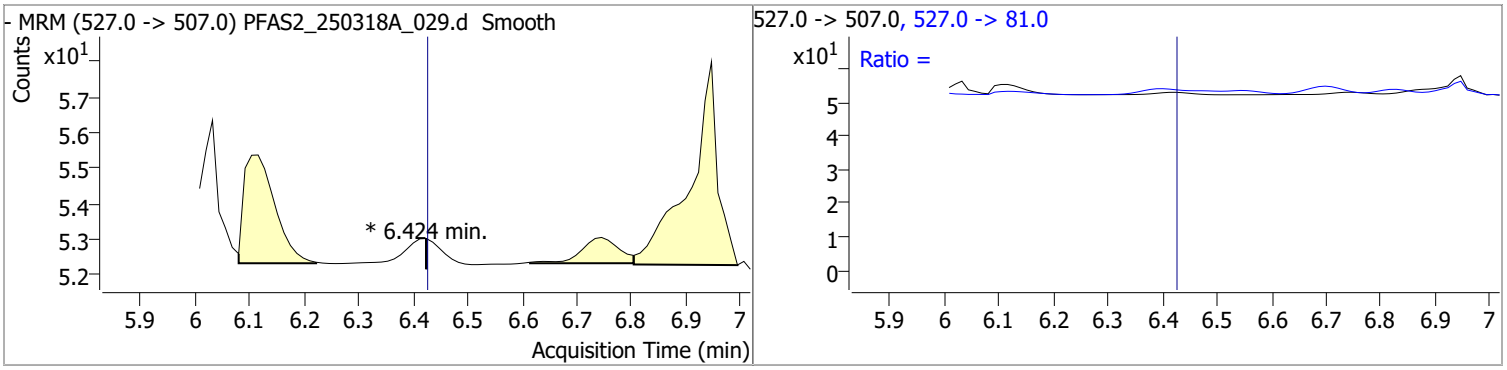
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



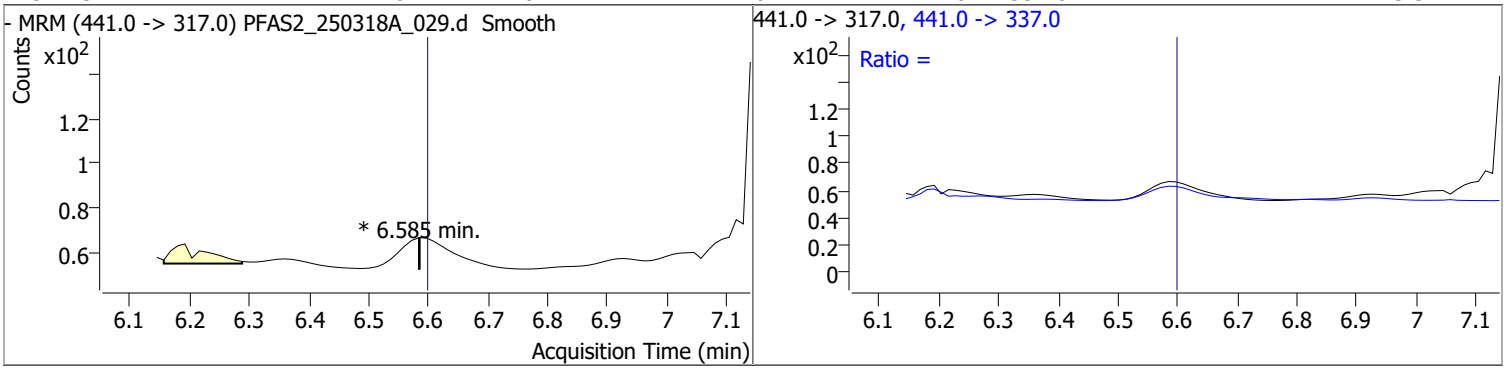
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.8100	6.42	0.00	11656	529.0 -> 509.0	193.1	325.6	604.6



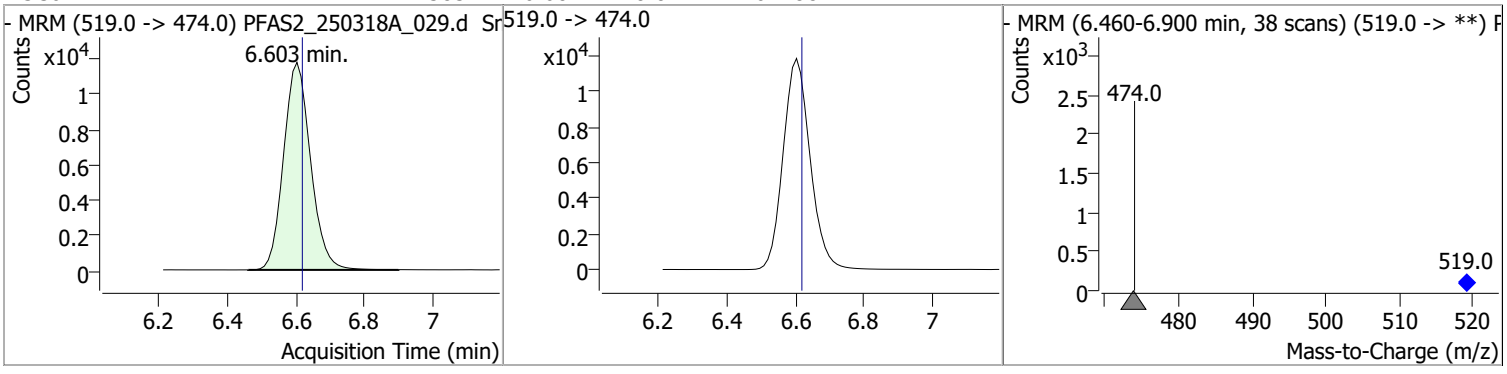
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



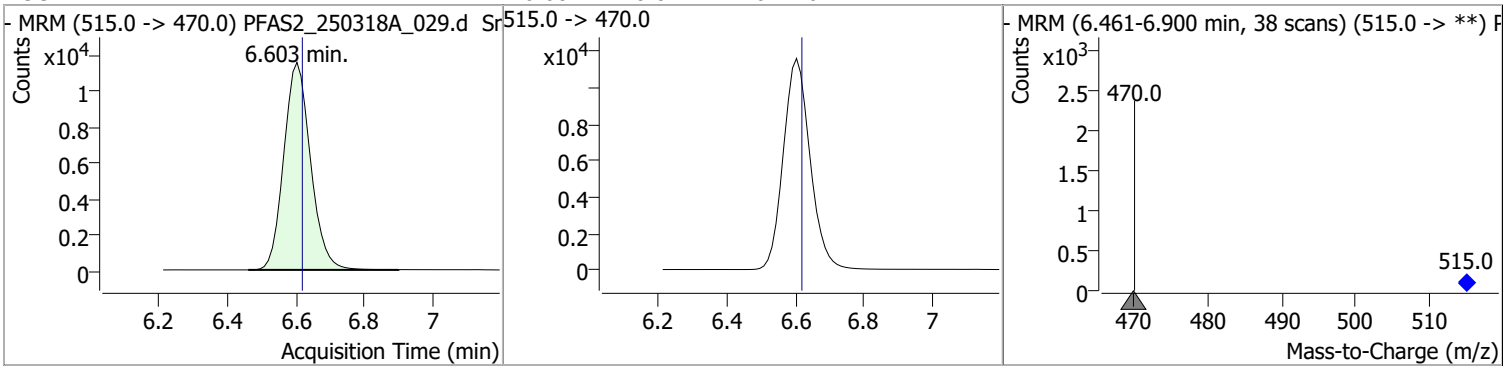
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



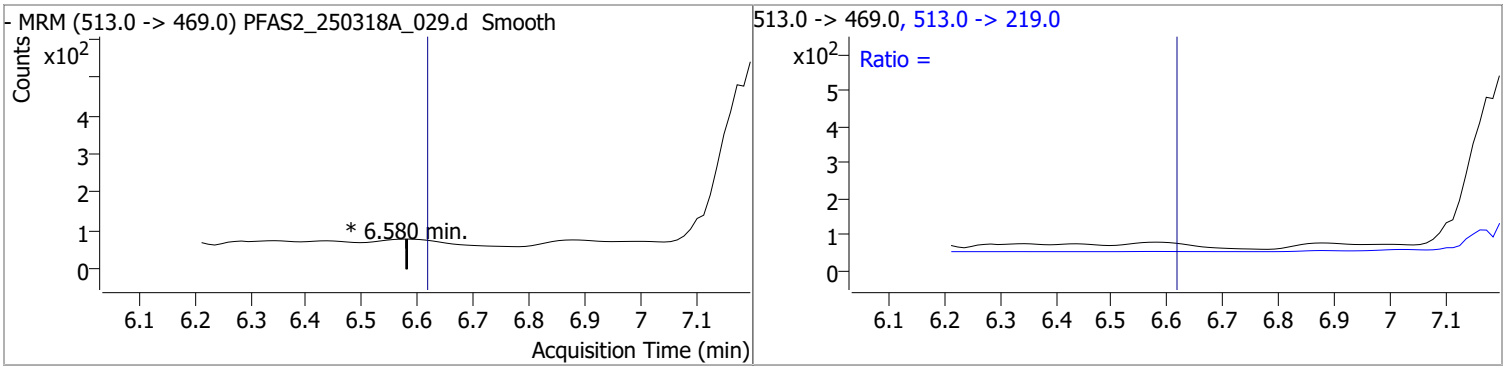
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2585	6.60	-0.01	64288				



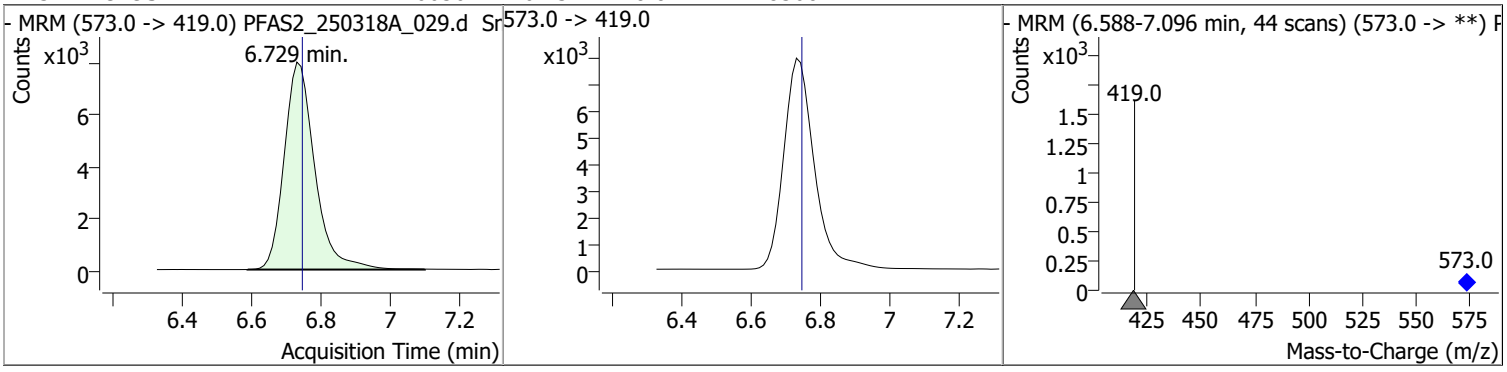
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	62776				



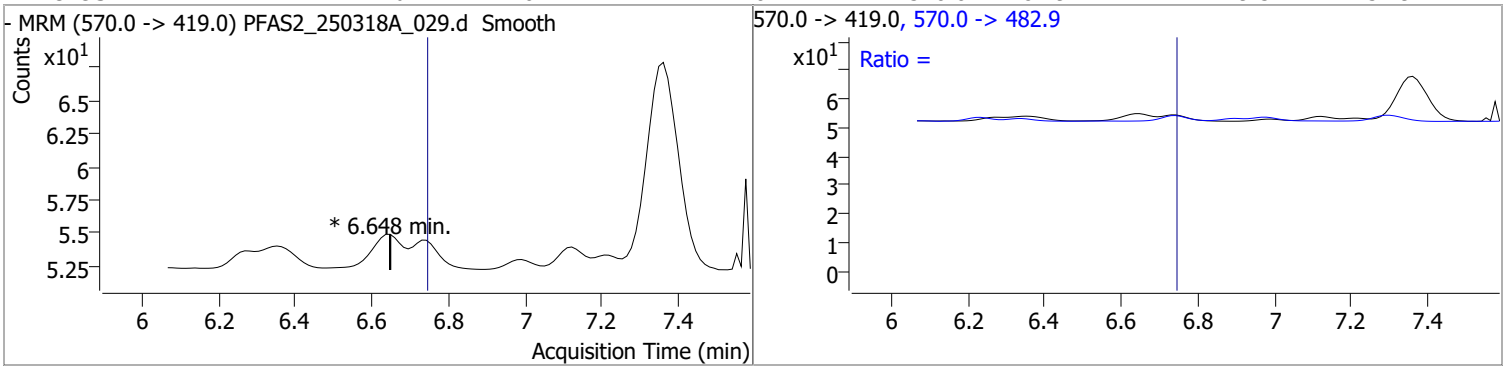
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



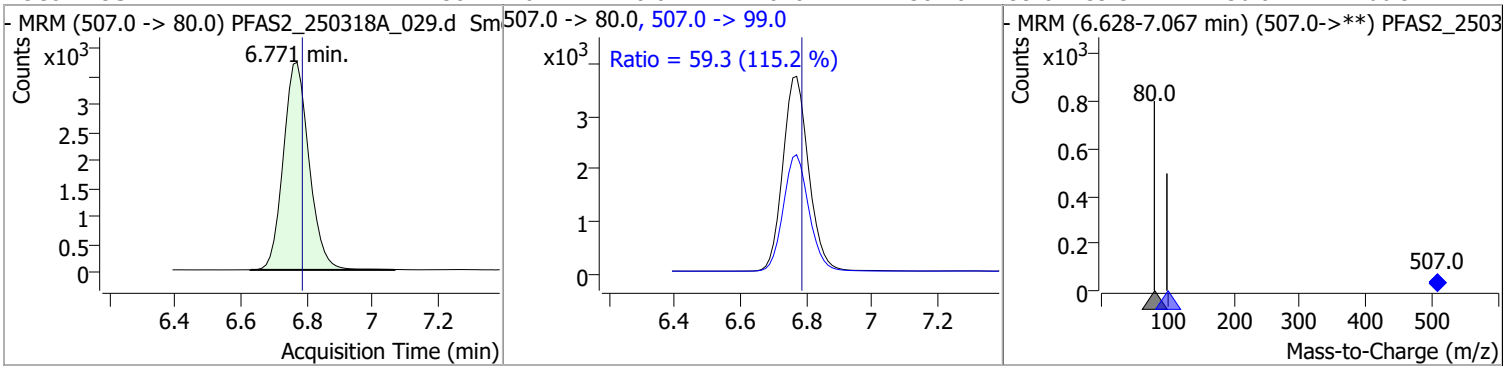
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6656	6.73	-0.01	48560				



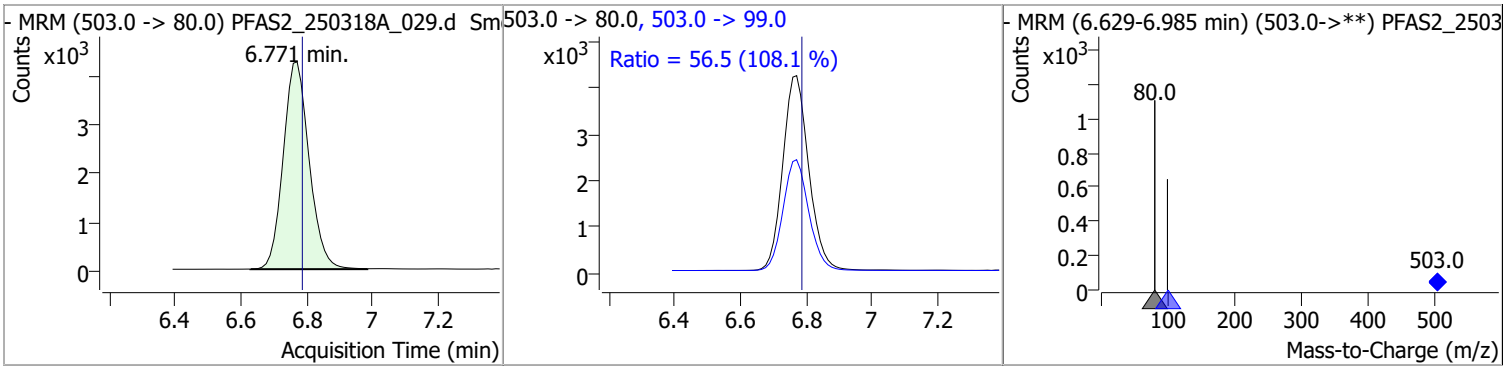
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



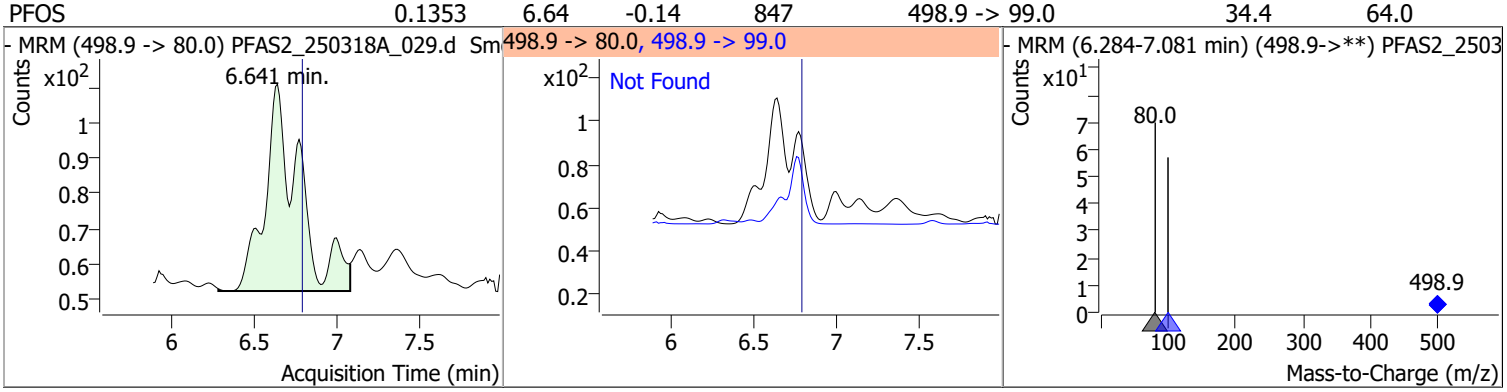
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.1458	6.77	-0.01	20202	507.0 -> 99.0	59.3	36.0	66.9



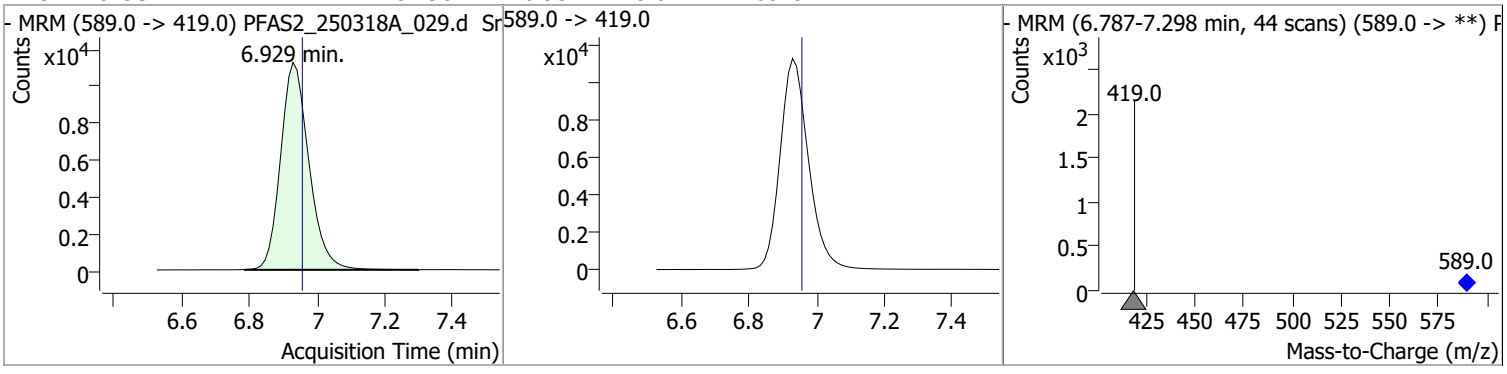
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23197	503.0 -> 99.0	56.5	36.6	67.9



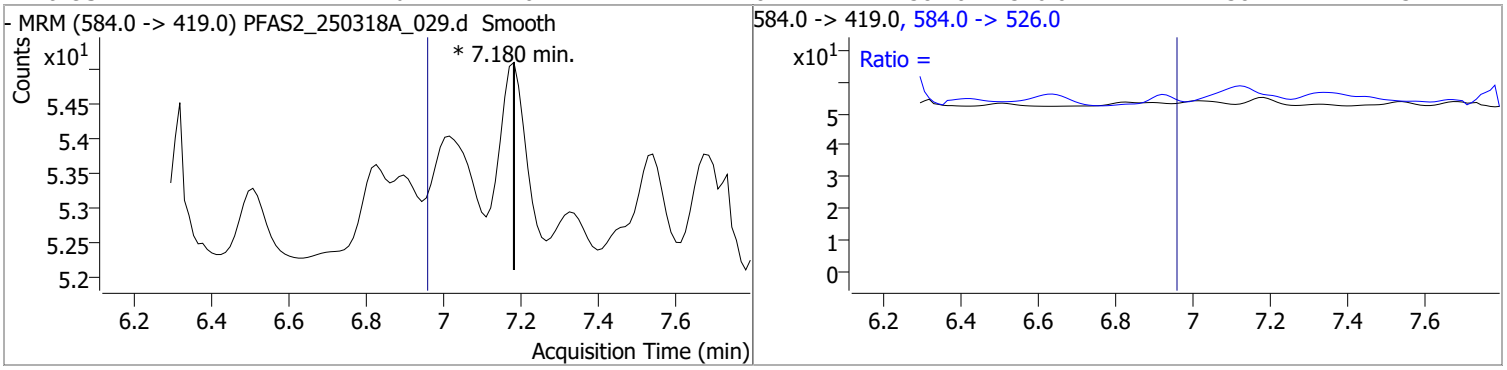
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1353	6.64	-0.14	847	498.9 -> 99.0		34.4	64.0



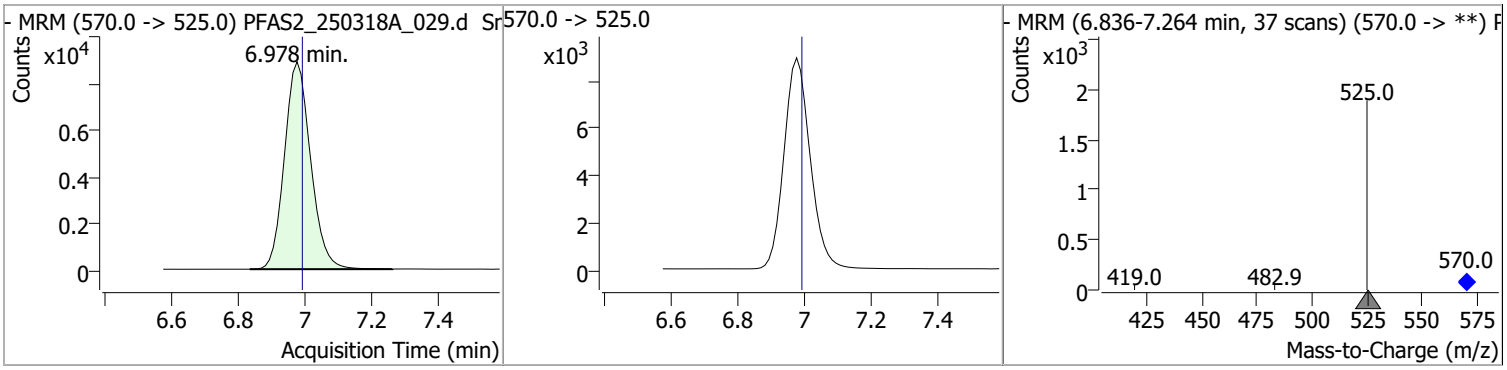
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	8.2962	6.93	-0.02	65192				



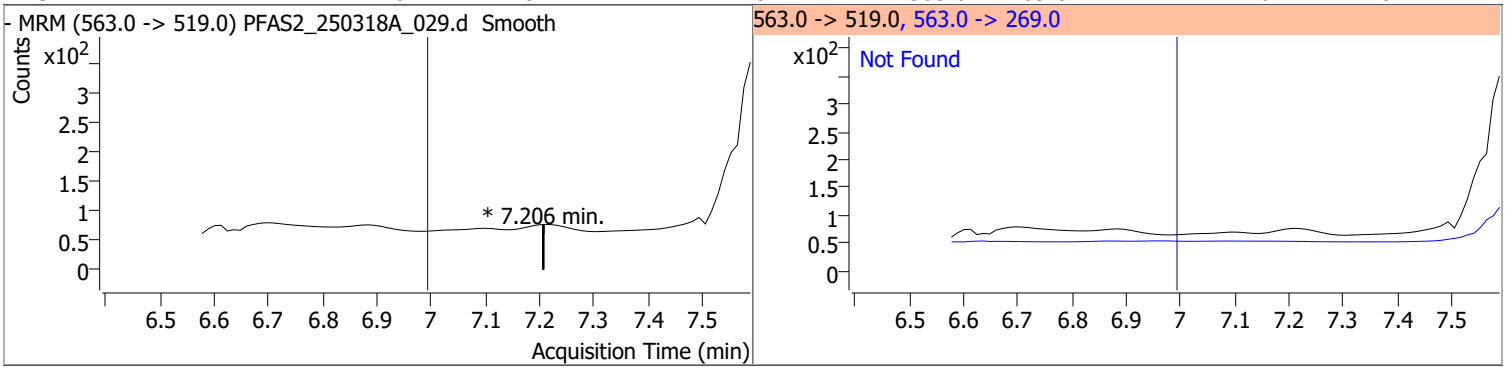
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



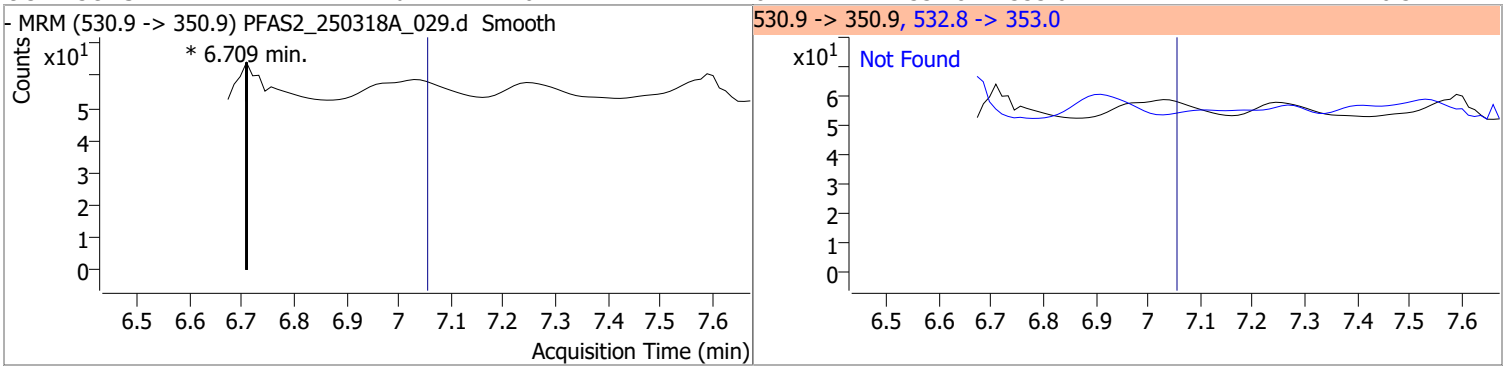
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2082	6.98	-0.01	48643				



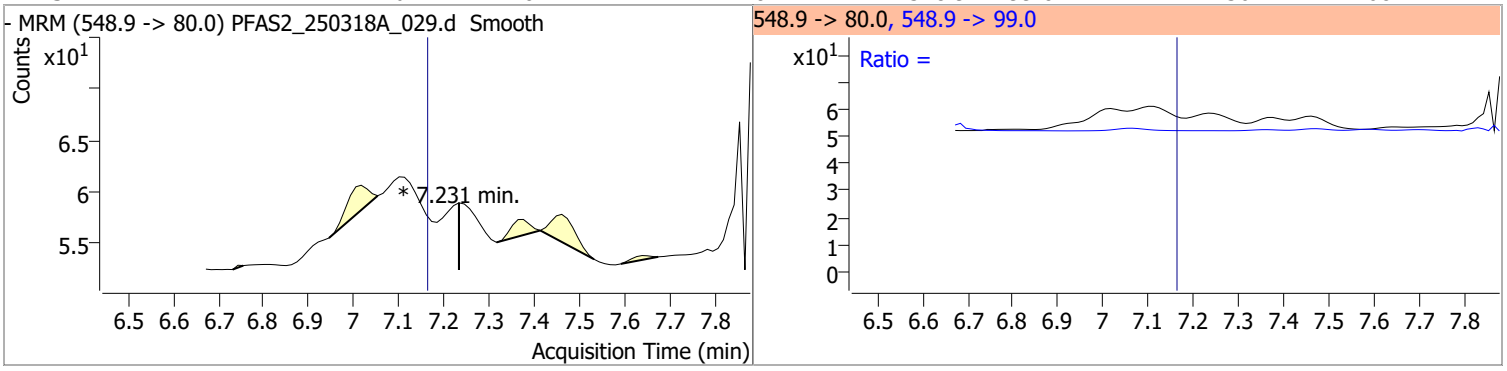
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



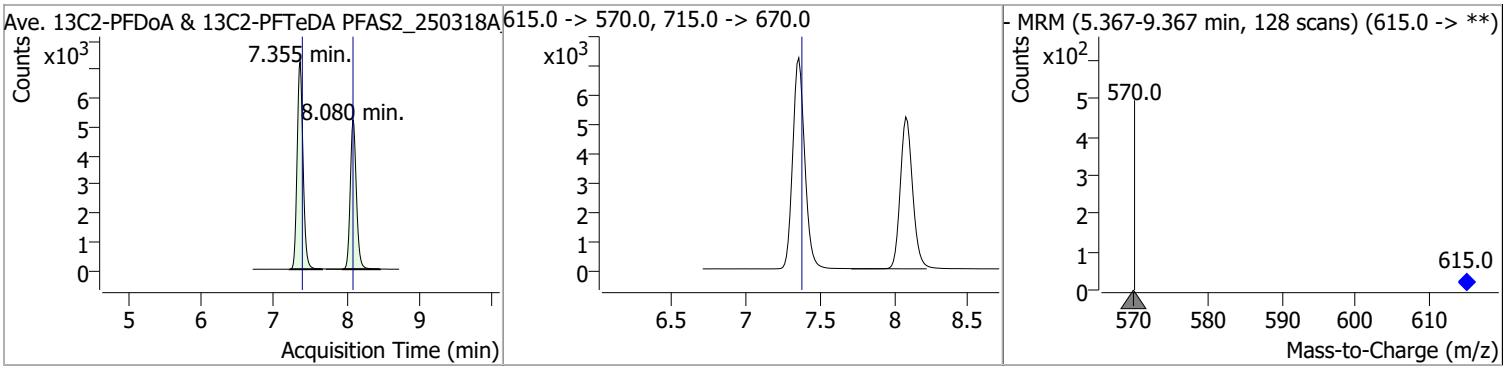
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



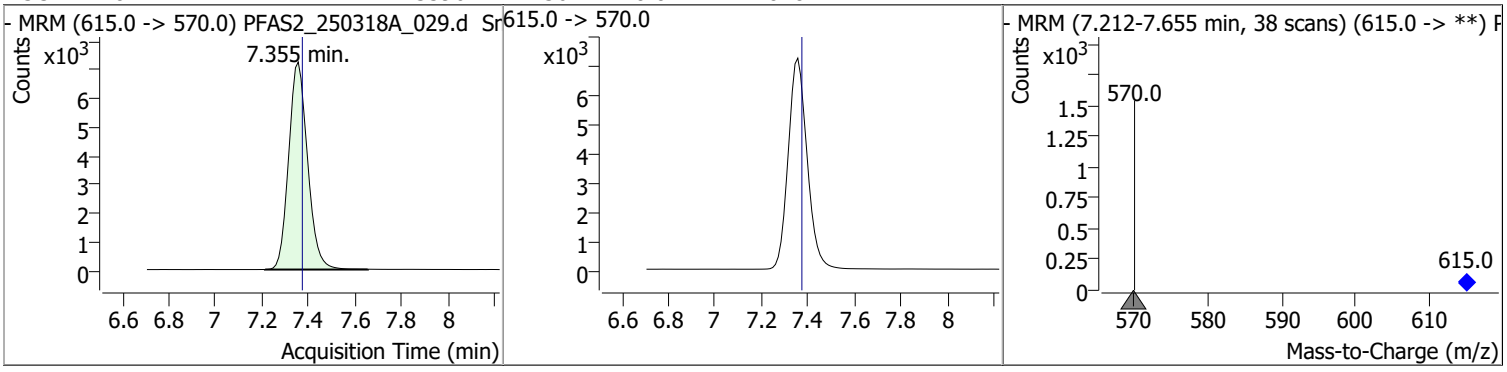
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



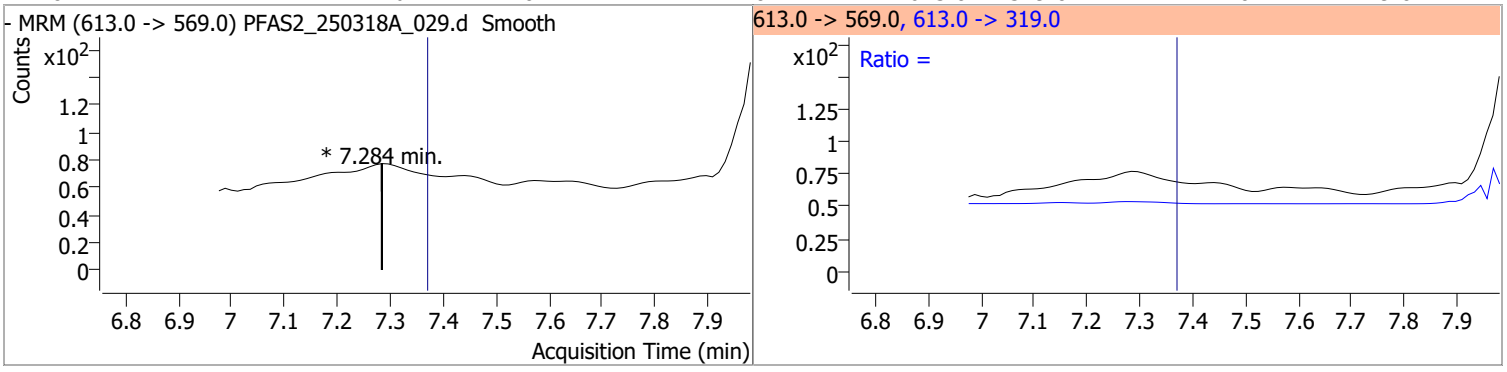
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0715	7.72	0.35	35556				



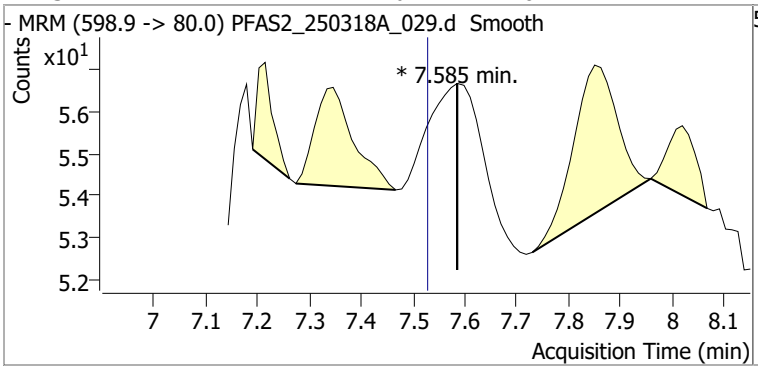
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3596	7.36	-0.01	40781				

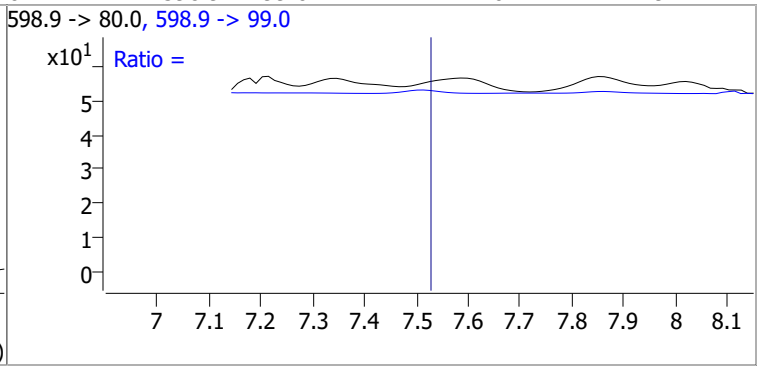


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

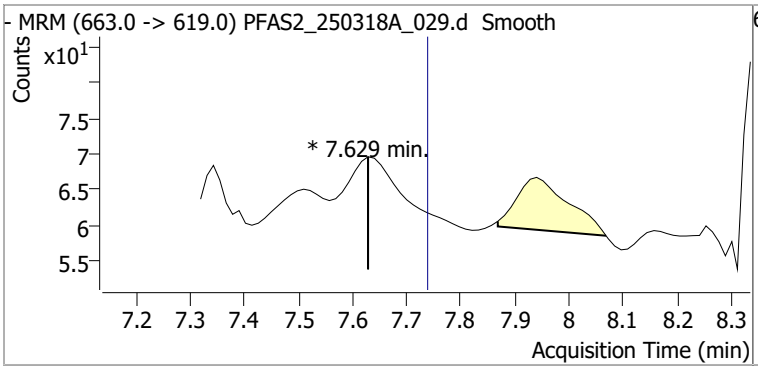


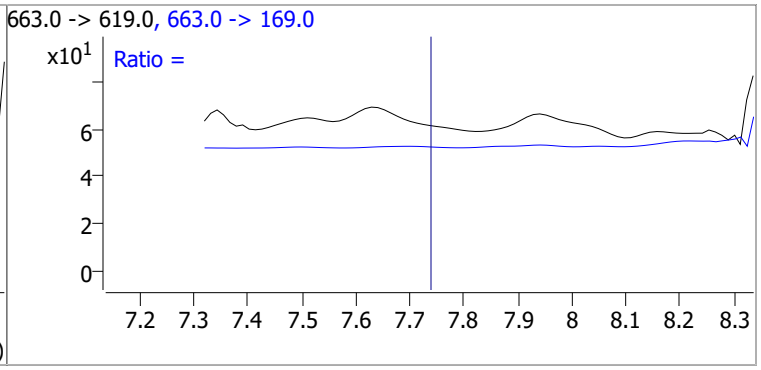
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



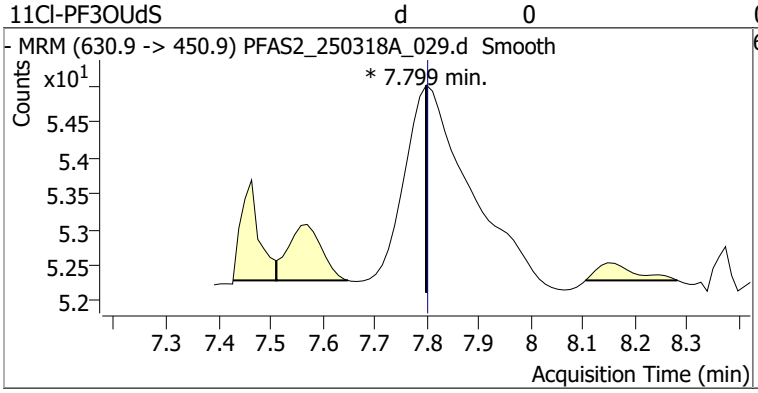


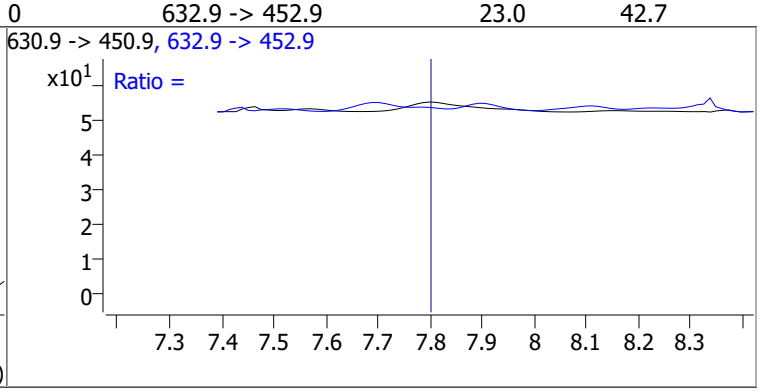
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



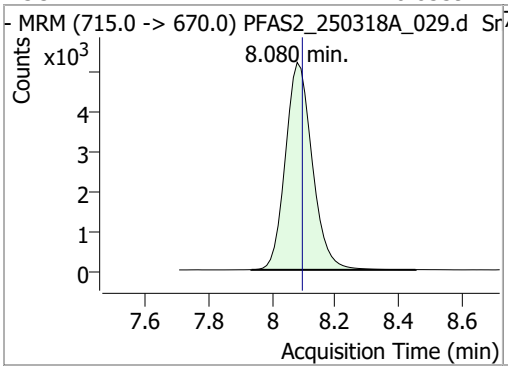


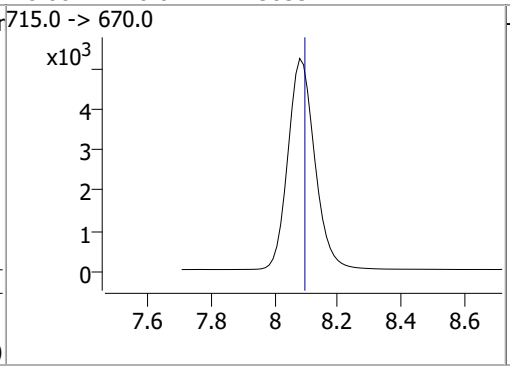
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

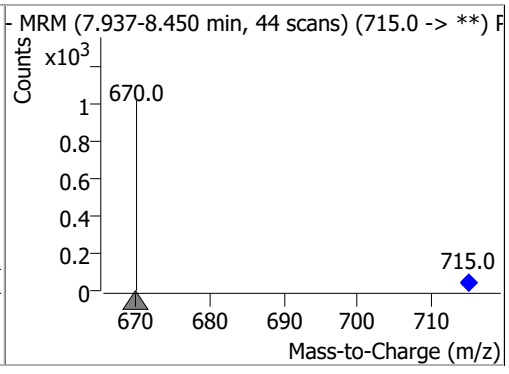




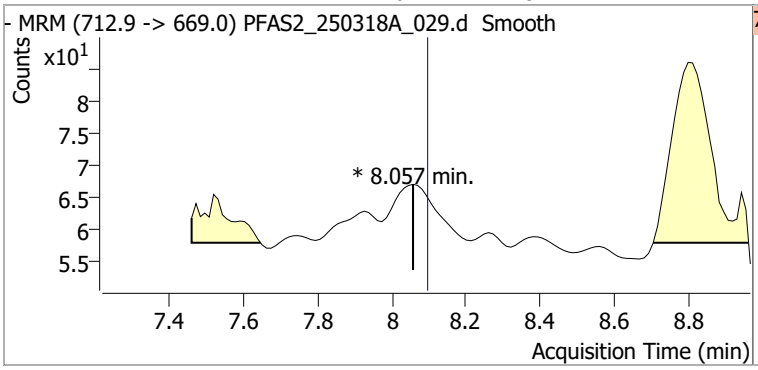
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8339	8.08	-0.01	30332				

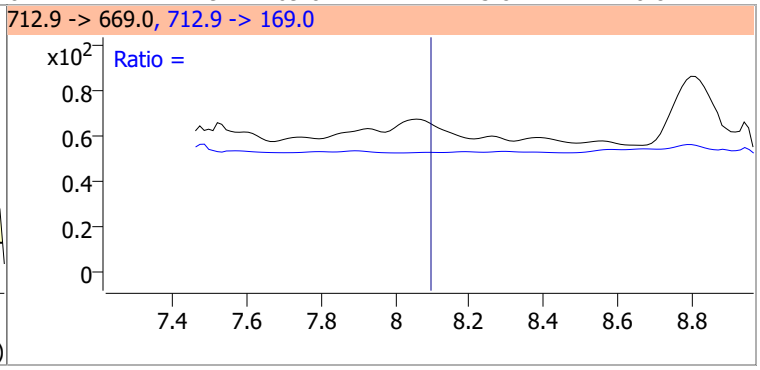




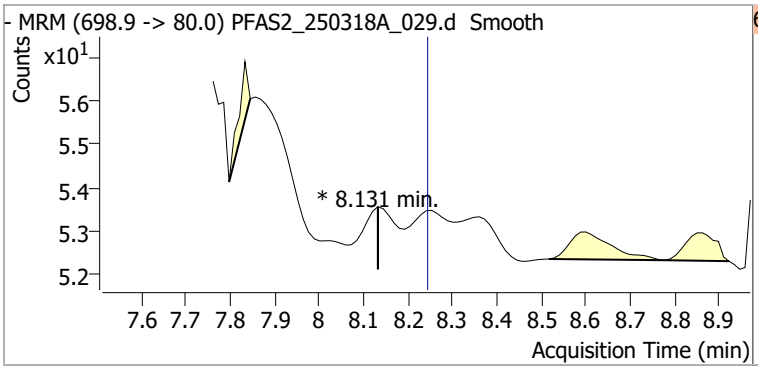


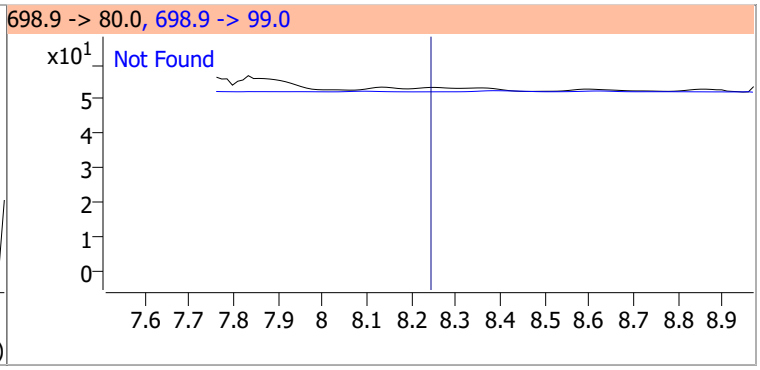
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



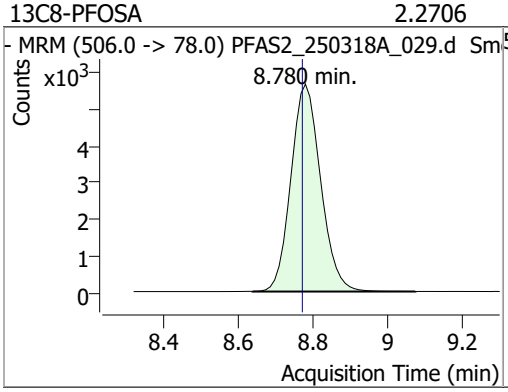


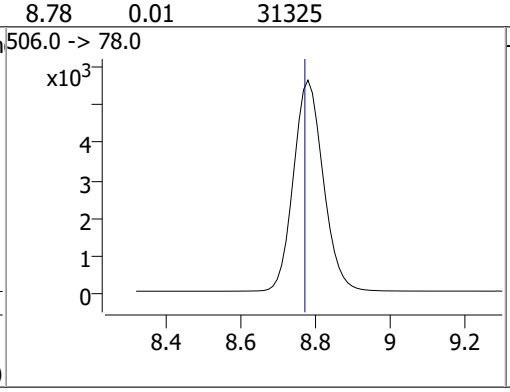
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

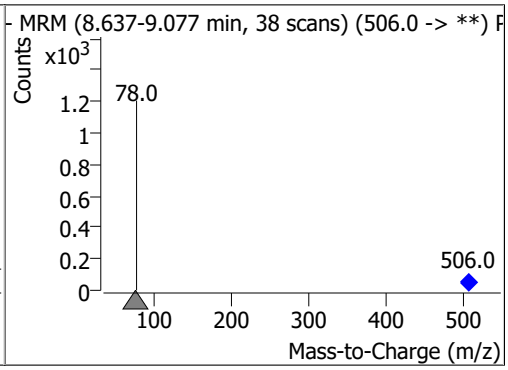




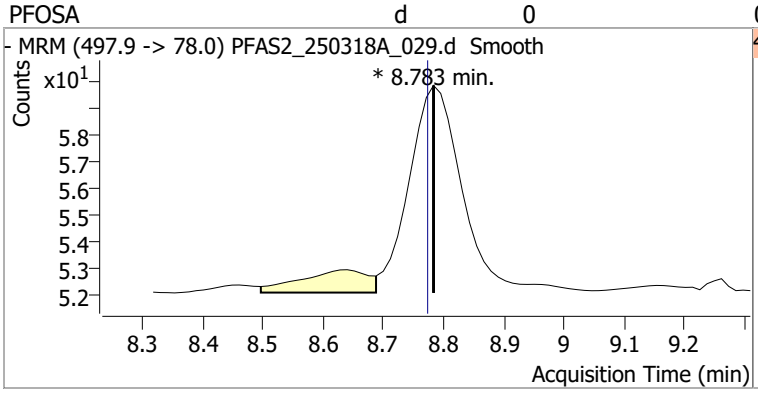
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2706	8.78	0.01	31325				

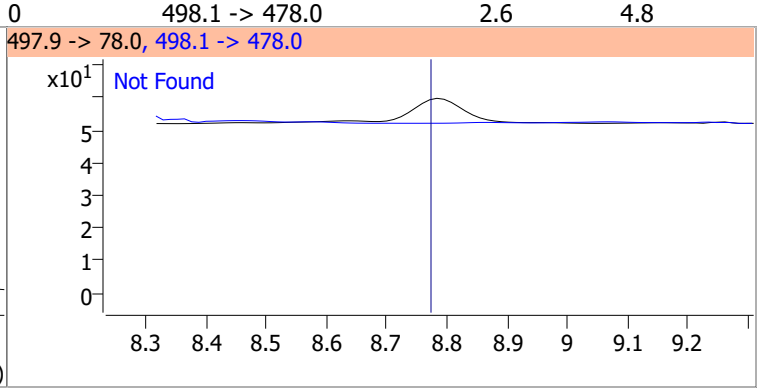




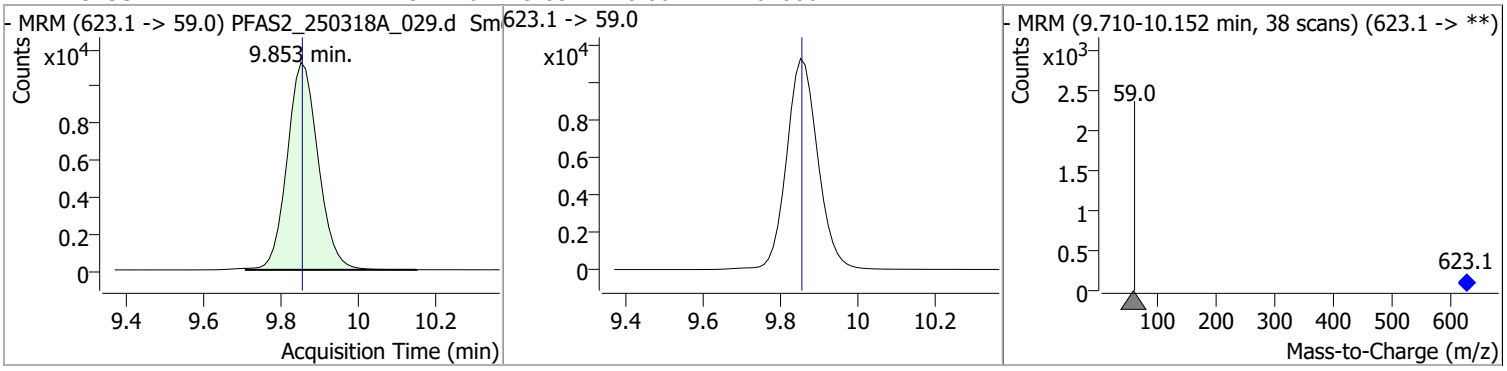


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

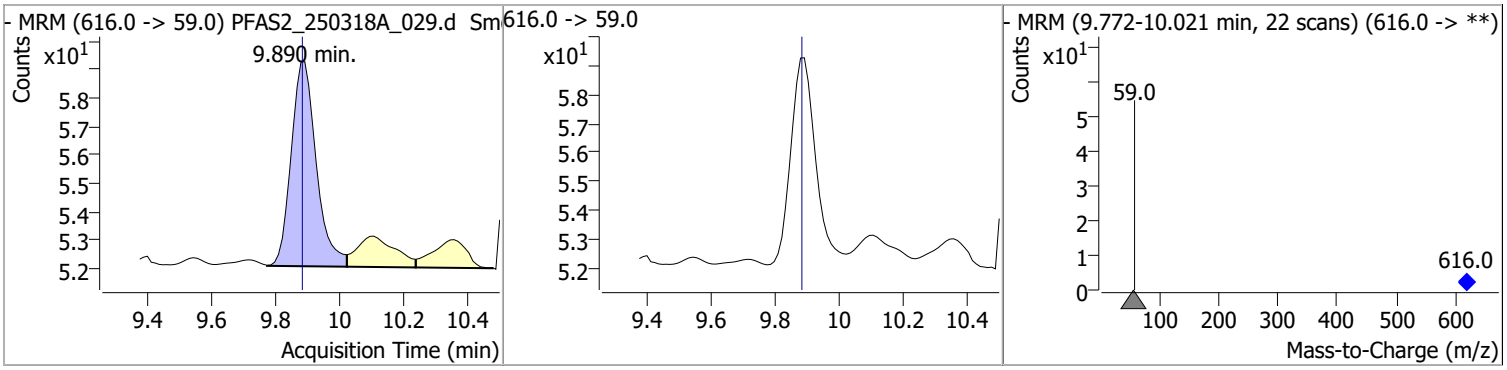




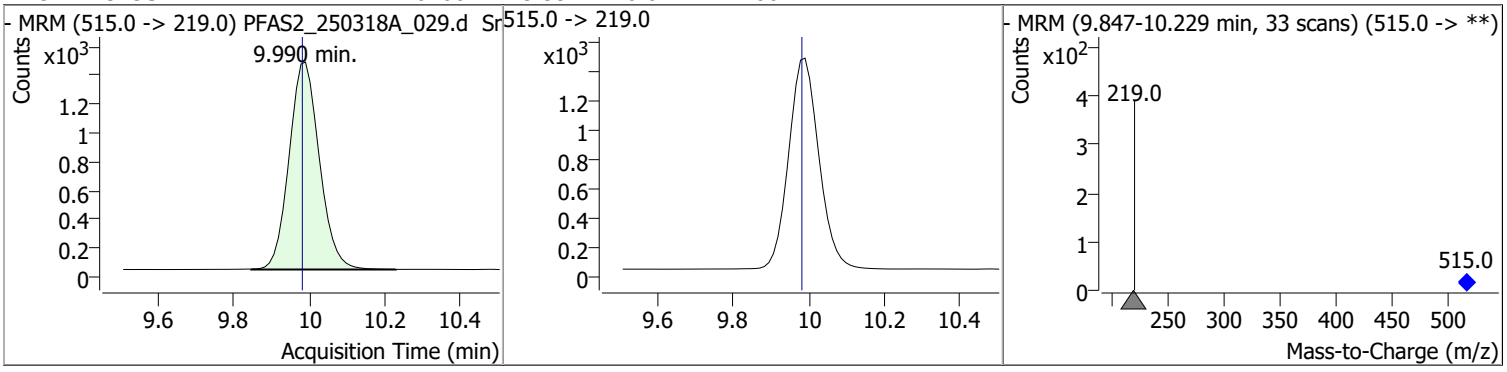
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.4428	9.85	0.00	62868				



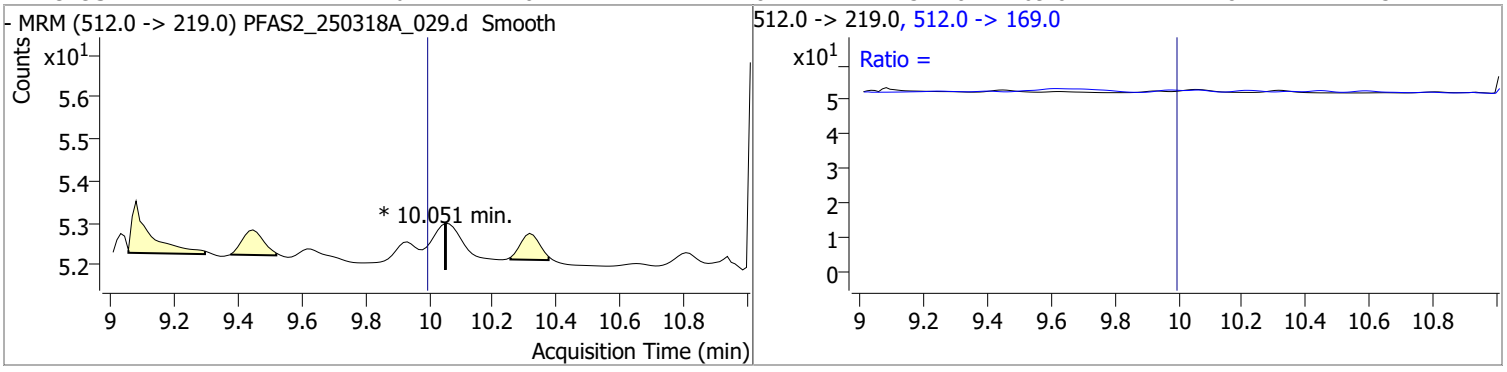
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	39				



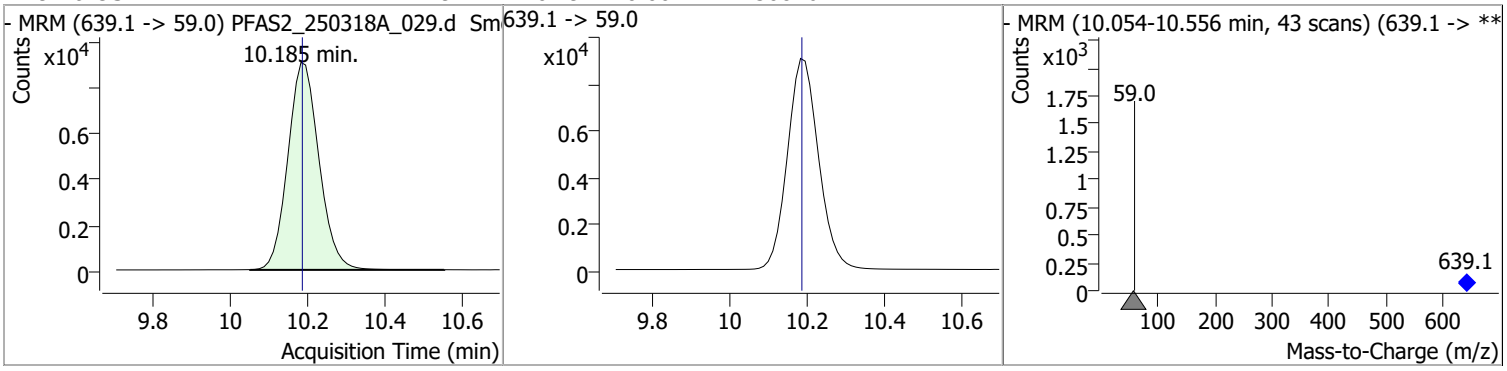
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0700	9.99	0.01	8014				



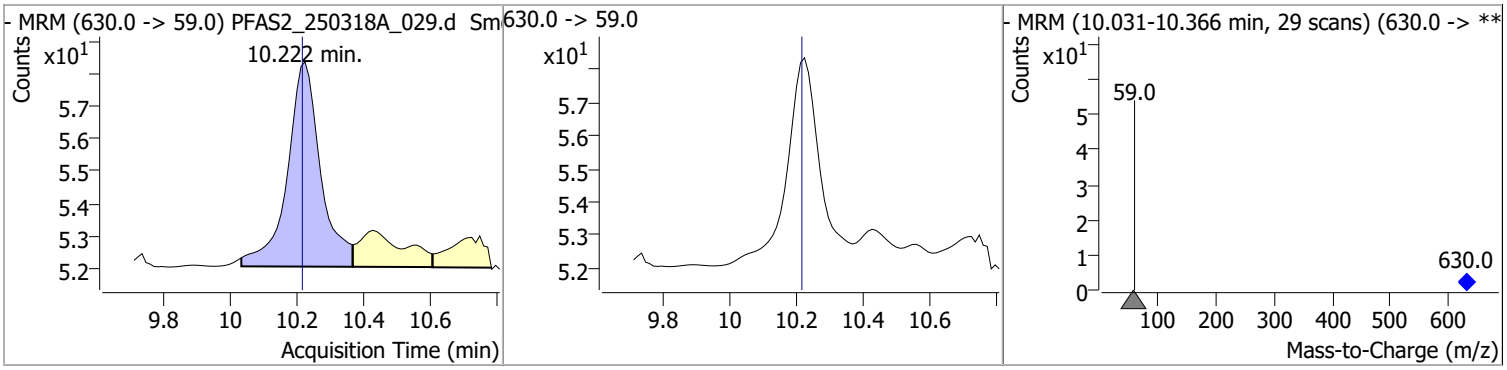
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



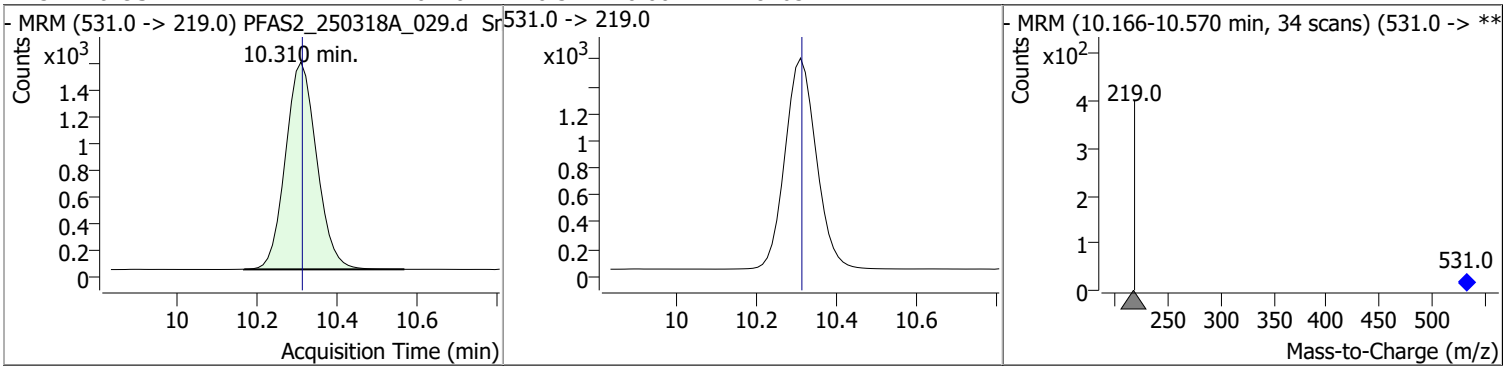
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4977	10.19	0.00	50876				



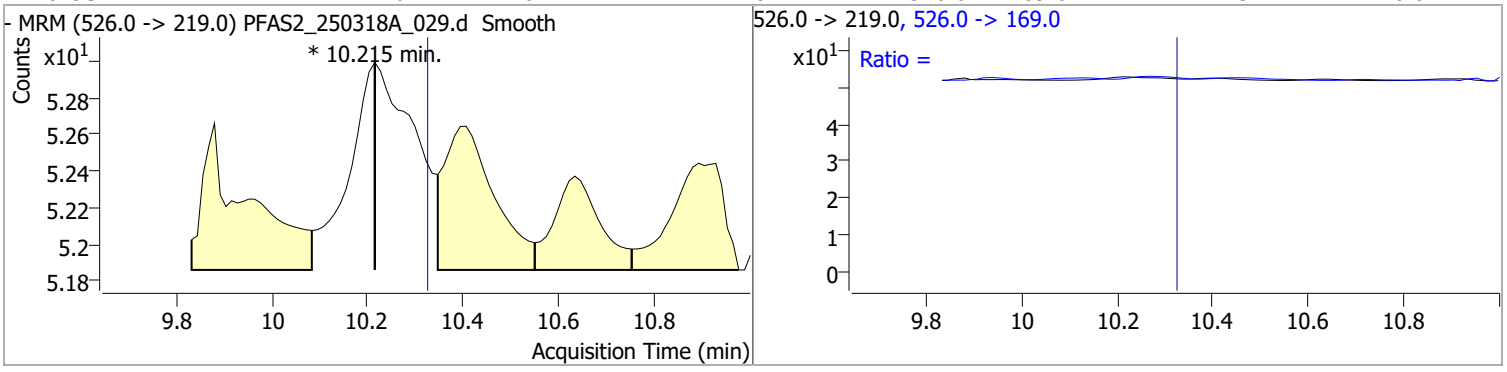
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0335	10.22	0.01	44				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0220	10.31	0.00	8465				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_029.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:26:25 PM
Sample Name	O25C0550-05	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

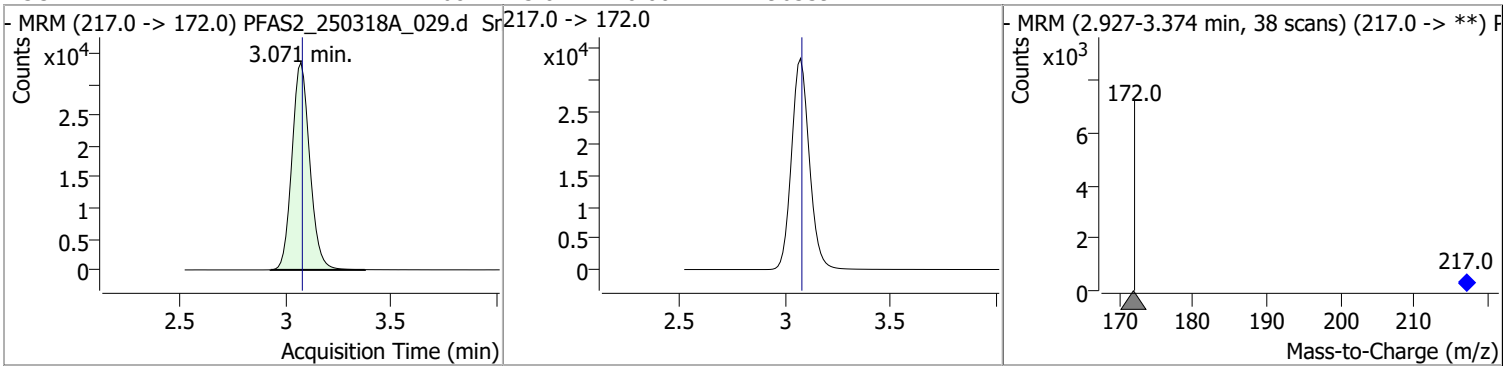
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	119554	5.0000	µg/L		-12.634
13C2-PFHxA	4.890	315.0 -> 270.0	135861	2.5000	µg/L		-11.448
18O2-PFHxS	5.955	403.0 -> 84.0	25058	2.5000	µg/L		-15.431
13C4-PFOA	5.823	417.0 -> 172.0	14918	2.5000	µg/L		-3.432
13C5-PFNA	6.226	468.0 -> 423.0	75520	1.2500	µg/L		6.109
13C2-PFDA	6.603	515.0 -> 470.0	62776	1.2500	µg/L		-6.131
13C4-PFOS	6.771	503.0 -> 80.0	23197	2.5000	µg/L		-6.874
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	196339	10.0000	µg/L		-36.834
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 72.27%			
13C5-PFPeA	4.222	268.0 -> 223.0	185956	5.0000	µg/L		-10.131
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	185956	5.0000	µg/L		-10.131
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29158	5.0000	µg/L	#	15.411
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 137.02%			
13C5-PFHxA	4.889	318.0 -> 273.0	140242	2.5000	µg/L		-16.940
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.78%			
13C5-PFHxA	4.889	318.0 -> 273.0	140242	2.5000	µg/L		-16.940
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.78%			
13C3-PFBS	4.929	302.0 -> 80.0	48387	2.5000	µg/L		-20.317
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.32%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154895	10.0000	µg/L		-11.373
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.08%			
13C4-PFHpA	5.397	367.0 -> 322.0	170629	2.5000	µg/L		-9.666
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.04%			
13C3-PFHxS	5.956	402.0 -> 80.0	26589	2.5000	µg/L		-23.919
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.99%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15874	5.0000	µg/L	#	7.482
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 127.23%			
13C8-PFOA	5.823	421.0 -> 376.0	159363	2.5000	µg/L		-7.744
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.55%			
13C3-PFHxS	5.956	402.0 -> 80.0	26589	2.5000	µg/L		-23.919
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.99%			
13C9-PFNA	6.225	472.0 -> 427.0	67560	1.2500	µg/L		-4.121
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.32%			
13C8-PFOS	6.771	507.0 -> 80.0	20202	2.5000	µg/L		-20.099
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.83%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11656	5.0000	µg/L	#	-1.602
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.20%			
13C6-PFDA	6.603	519.0 -> 474.0	64288	1.2500	µg/L		-5.403
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.68%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	48560	5.0000	µg/L		-13.003
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.31%			
13C8-PFOS	6.771	507.0 -> 80.0	20202	2.5000	µg/L		-20.099

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.83%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	65192	5.0000	µg/L		54.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 165.92%		*	
13C7-PFUnDA	6.978	570.0 -> 525.0	48643	1.2500	µg/L		-9.254
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.66%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	35556	1.2500	µg/L		-19.401
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 85.72%			
13C2-PFDoDA	7.355	615.0 -> 570.0	40781	1.2500	µg/L		2.092
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.77%			
13C2-PFTDA	8.080	715.0 -> 670.0	30332	1.2500	µg/L		-37.182
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.72%			
13C8-PFOSA	8.780	506.0 -> 78.0	31325	2.5000	µg/L		-15.248
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62868	25.0000	µg/L		-49.963
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.77%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8014	2.5000	µg/L		-22.710
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.80%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50876	25.0000	µg/L		-19.891
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.99%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8465	2.5000	µg/L		-24.689
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.88%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6734	0.4718	µg/L		100
PFMPA	3.614	229.0 -> 85.0	17	0.0560	µg/L		100
3-3 FTCA	3.766	241.0 -> 177.0	9	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	18037	0.5480	µg/L	#	100
PFMBA	4.404	279.0 -> 85.0	11	0.0341	µg/L		100
4-2 FTSA	4.674	327.0 -> 307.0	45	0.0025	µg/L		41
NFDHA	4.858	295.0 -> 201.0	4	0.0039	µg/L		48
PFHxA	4.892	313.0 -> 269.0	16368	0.3262	µg/L		100
PFBS	4.930	298.9 -> 80.0	6392	0.3183	µg/L		89
HFPO-DA	5.098	285.0 -> 169.0	39	0.0028	µg/L	#	39
PFEESA	5.225	314.9 -> 135.0	81	0.0527	µg/L		80
PFHpA	5.398	363.0 -> 319.0	6664	0.1222	µg/L		95
5-3 FTCA	5.470	341.0 -> 237.0	68	0.1944	µg/L	#	1
PFPeS	5.494	348.9 -> 80.0	223	0.0155	µg/L	#	62
DONA	0.000		0	N.D.			
6-2 FTSA	5.642	427.0 -> 407.0	40	0.1136	µg/L	#	76
PFOA	5.824	413.0 -> 369.0	8108	0.1646	µg/L		100
PFHxS	5.957	398.9 -> 80.0	1422	0.1375	µg/L		97
PFNA	6.214	463.0 -> 419.0	112	0.0089	µg/L		62
PFHpS	6.370	448.9 -> 80.0	16	0.0019	µg/L	#	1
8-2 FTSA	6.424	527.0 -> 507.0	3	0.0729	µg/L	#	1
7-3 FTCA	6.585	441.0 -> 317.0	61	0.2650	µg/L		87
PFDA	6.580	513.0 -> 469.0	68	0.0000	µg/L	#	80
N-MeFOSAA	6.648	570.0 -> 419.0	29	0.0115	µg/L	#	53
PFOS	6.641	498.9 -> 80.0	847	0.1353	µg/L		28
N-EtFOSAA	7.180	584.0 -> 419.0	34	0.0138	µg/L	#	1
PFUnDA	7.206	563.0 -> 519.0	44	0.0144	µg/L		63
9Cl-PF3ONS	6.709	530.9 -> 350.9	21	0.0654	µg/L		44
PFNS	7.231	548.9 -> 80.0	11	0.0016	µg/L		26
PFDoDA	7.284	613.0 -> 569.0	240	0.0080	µg/L	#	76
PFDS	7.585	598.9 -> 80.0	23	0.0045	µg/L	#	46
PFTrDA	7.629	663.0 -> 619.0	60	0.0022	µg/L	#	89

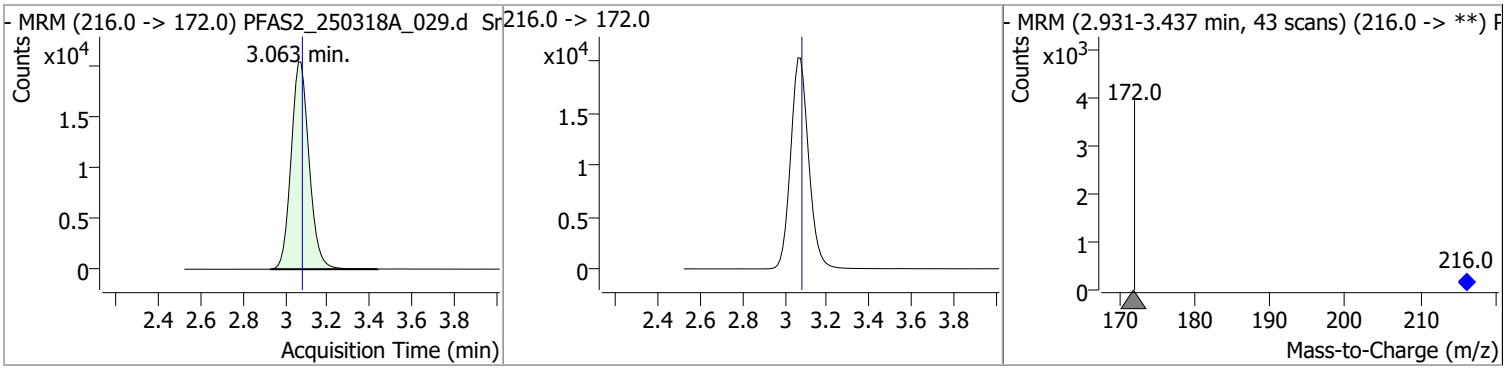
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.799	630.9 -> 450.9	23	0.0011	µg/L	#	75
PFTDA	8.057	712.9 -> 669.0	106	0.0114	µg/L		77
PFDoS	8.131	698.9 -> 80.0	2	0.0006	µg/L		22
PFOSA	8.783	497.9 -> 78.0	47	0.0043	µg/L		89
MeFOSE	9.890	616.0 -> 59.0	39	0.0000	µg/L		100
N-MeFOSA	10.051	512.0 -> 219.0	6	0.0021	µg/L		94
EtFOSE	10.222	630.0 -> 59.0	44	0.0335	µg/L		100
N-EtFOSA	10.215	526.0 -> 219.0	11	0.0033	µg/L	#	61

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

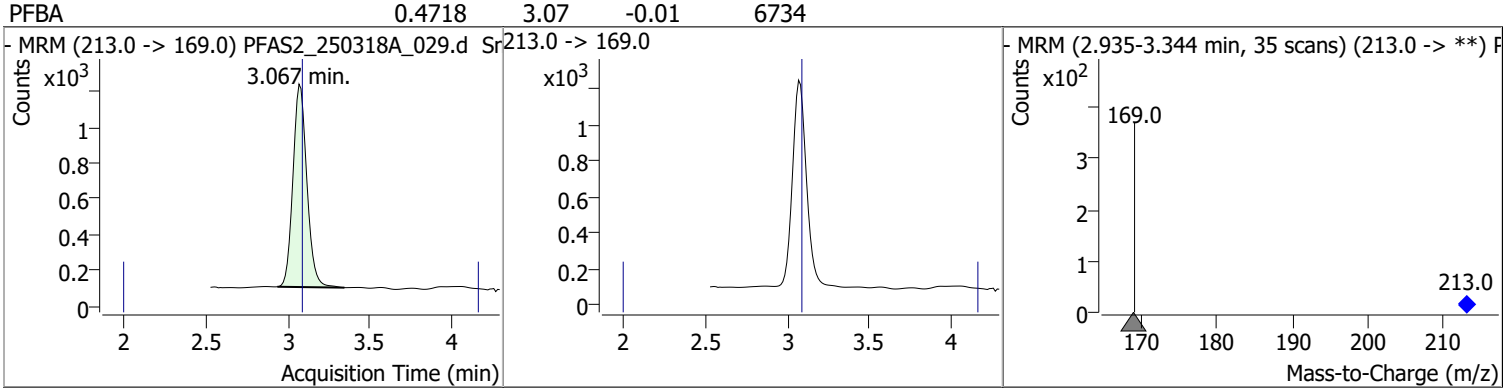
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.2268	3.07	0.00	196339				



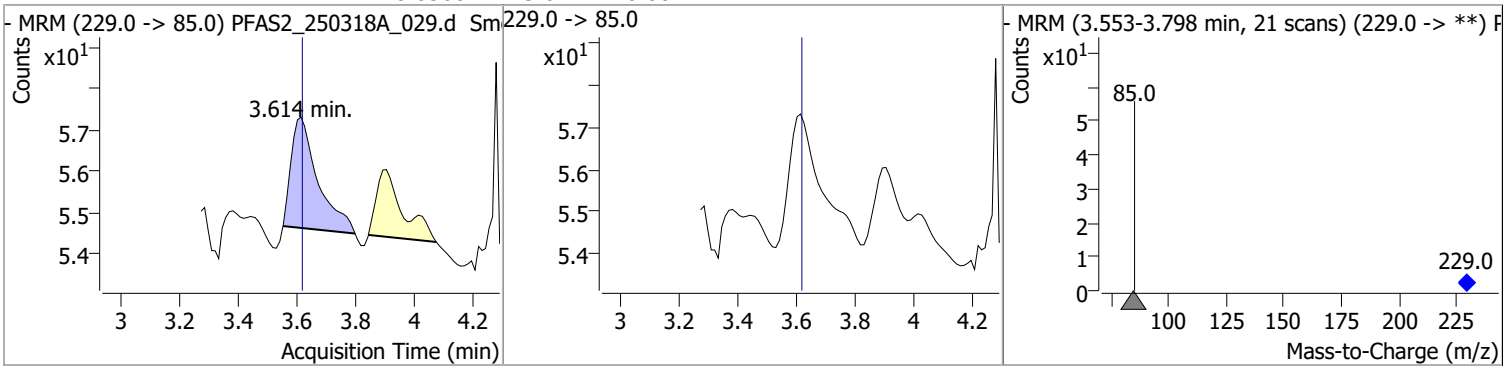
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	119554				



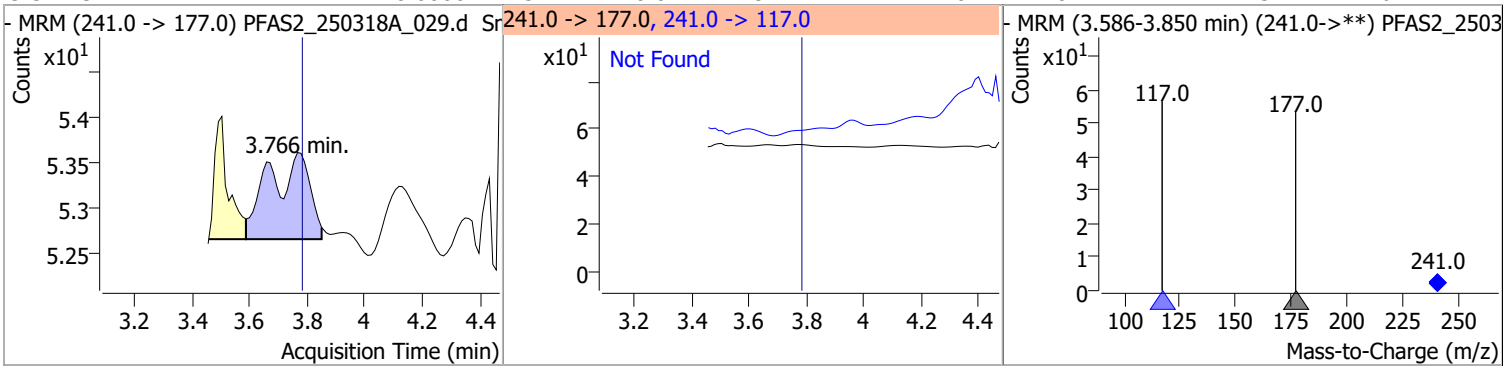
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4718	3.07	-0.01	6734				



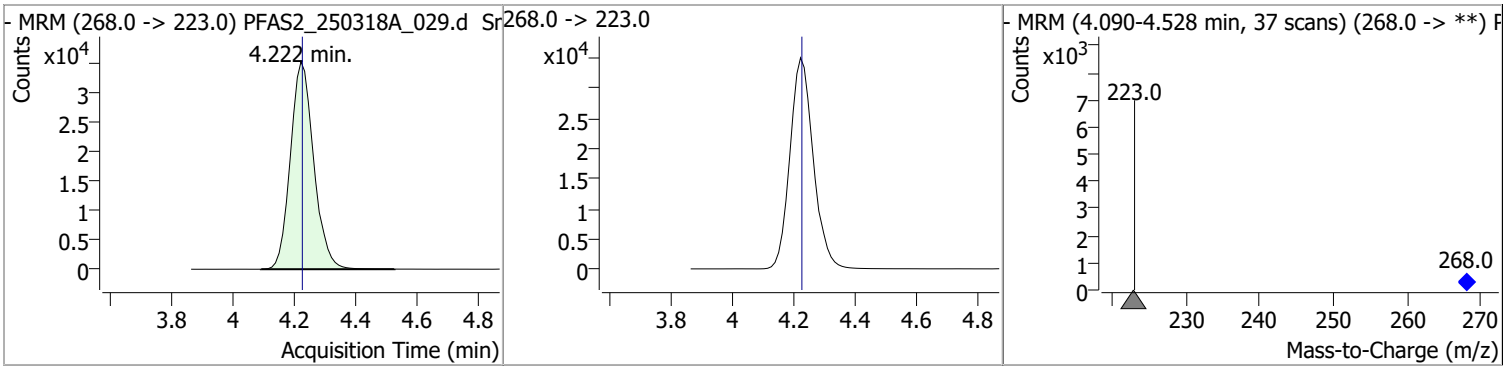
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0560	3.61	0.00	17				



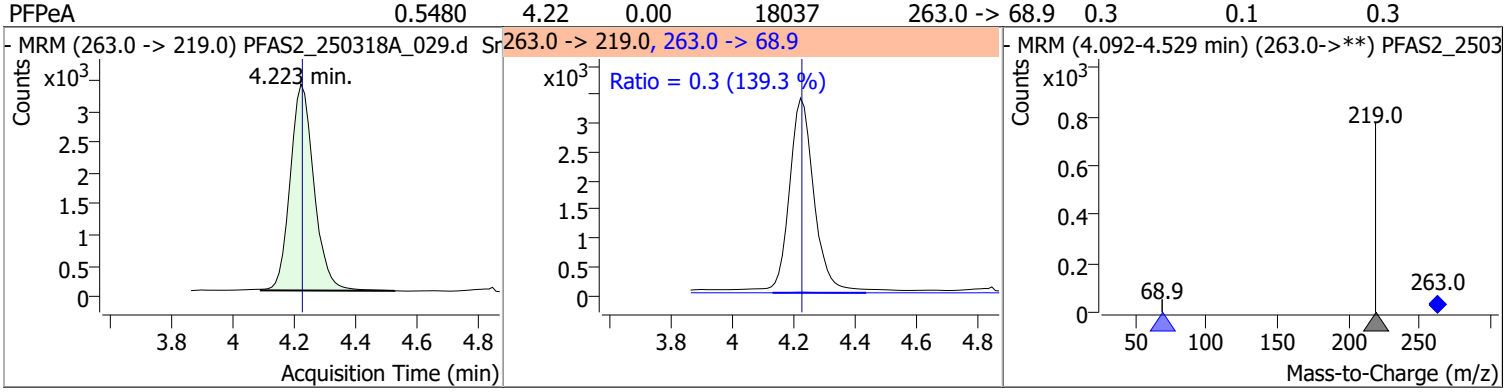
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.77	-0.01	9	241.0 -> 117.0		41.3	76.7



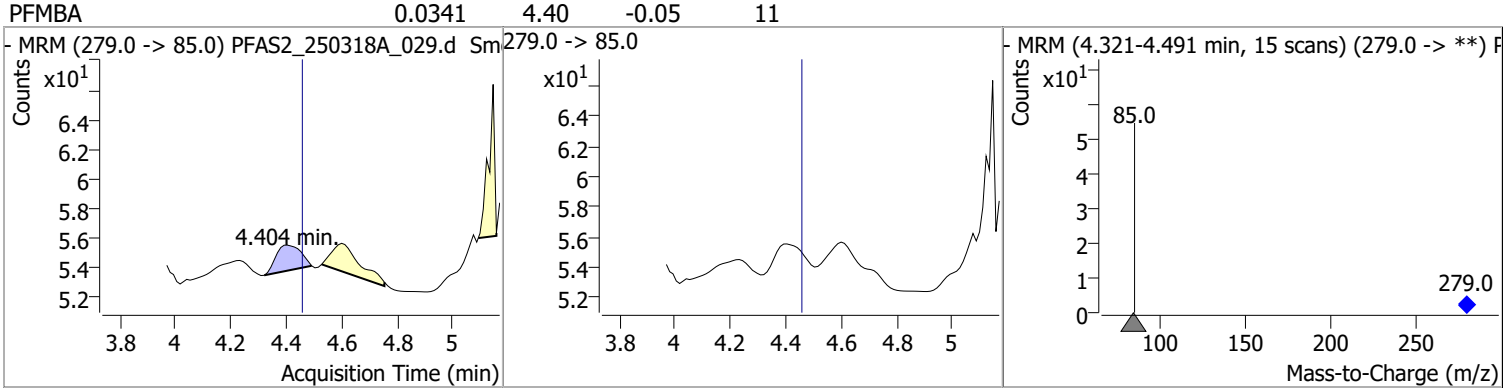
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0747	4.22	0.00	185956				



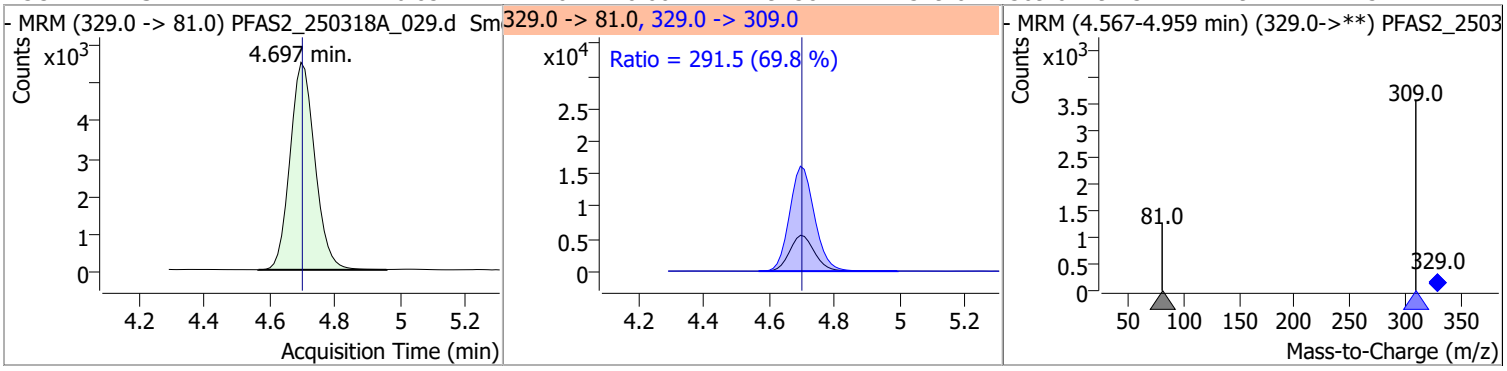
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.5480	4.22	0.00	18037	263.0 -> 68.9	0.3	0.1	0.3



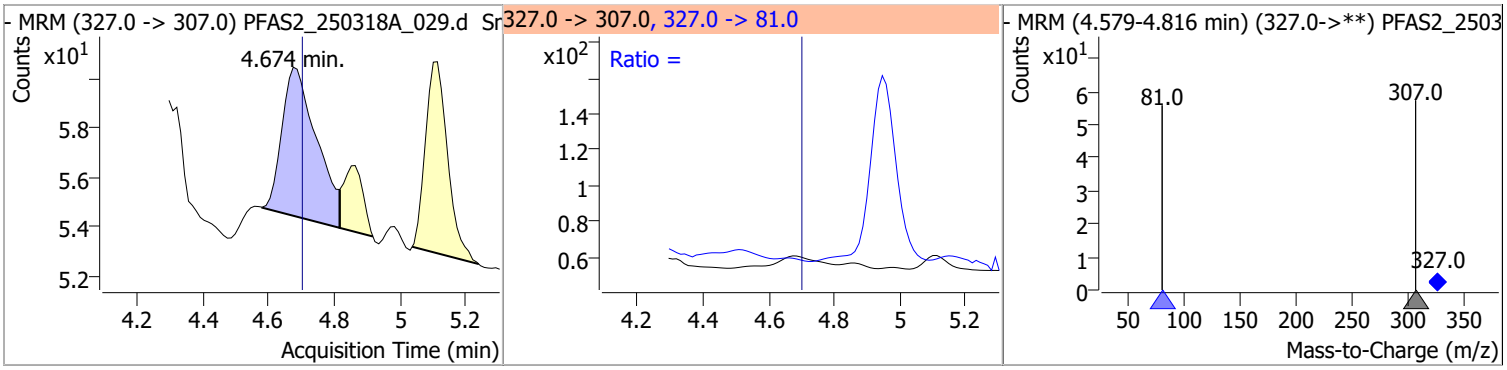
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0341	4.40	-0.05	11				



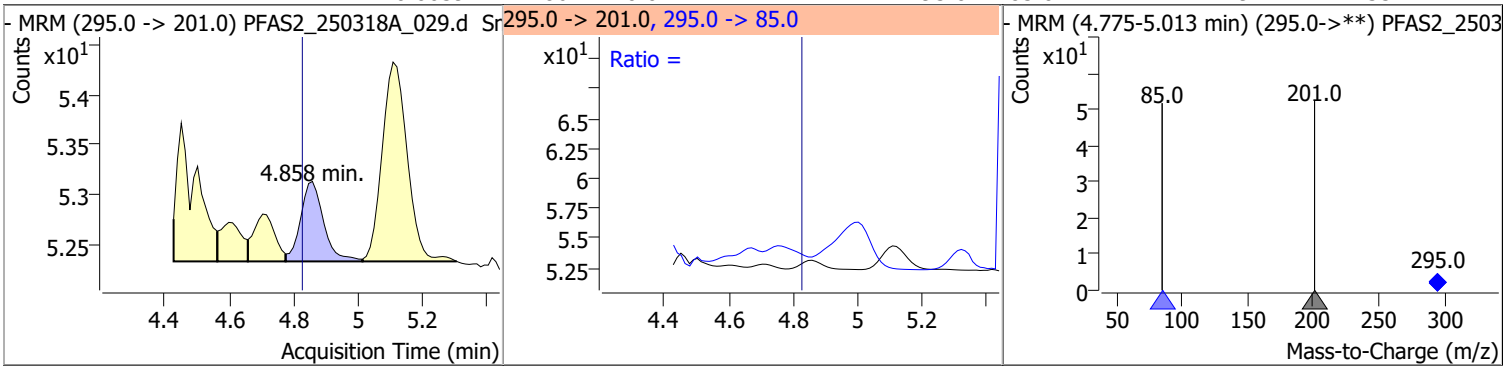
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.8511	4.70	0.00	29158	329.0 -> 309.0	291.5	292.1	542.4



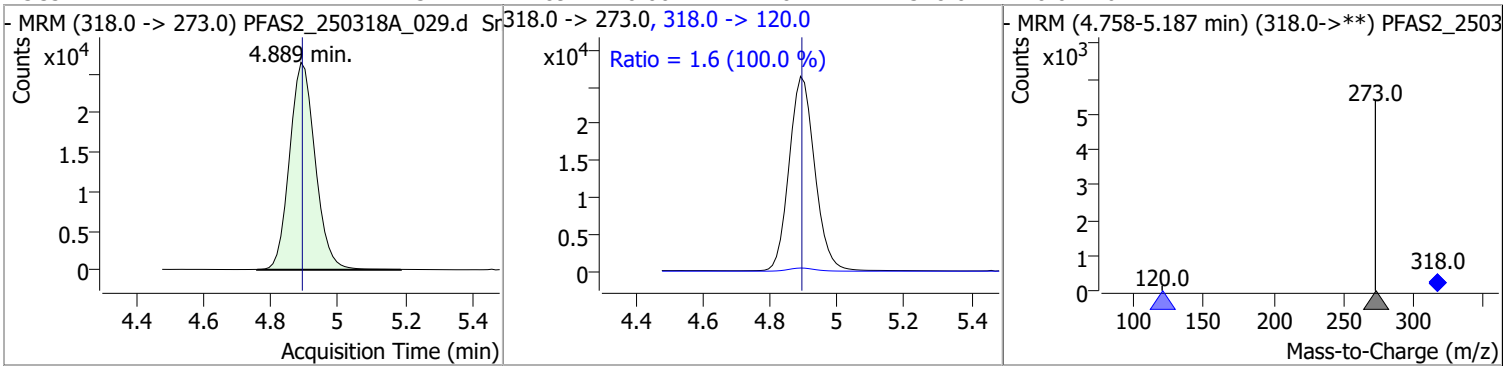
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0025	4.67	-0.02	45	327.0 -> 81.0		23.6	43.9



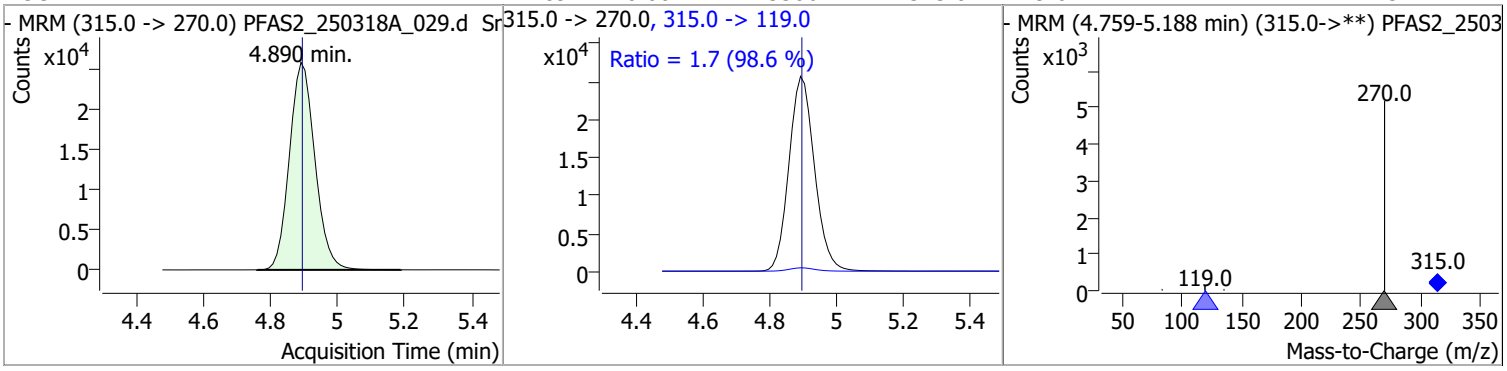
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0039	4.86	0.04	4	295.0 -> 85.0		19.1	35.4



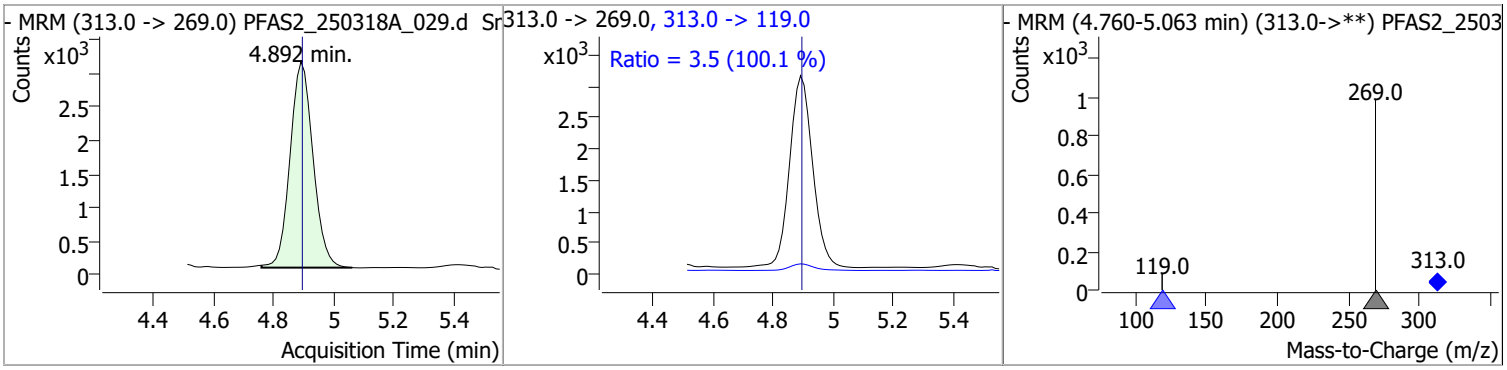
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3444	4.89	0.00	140242	318.0 -> 120.0	1.6	1.1	2.1



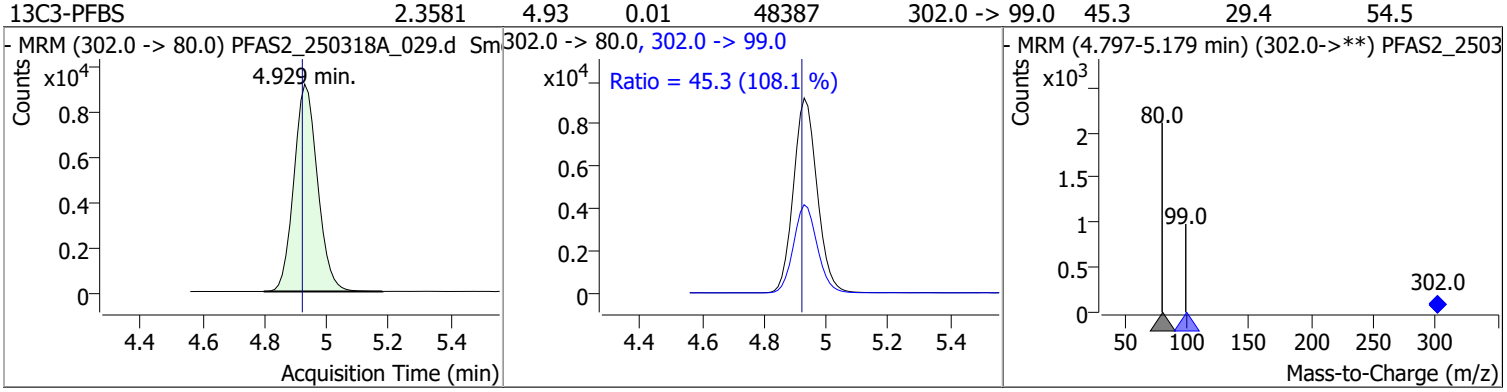
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	135861	315.0 -> 119.0	1.7	1.2	2.3



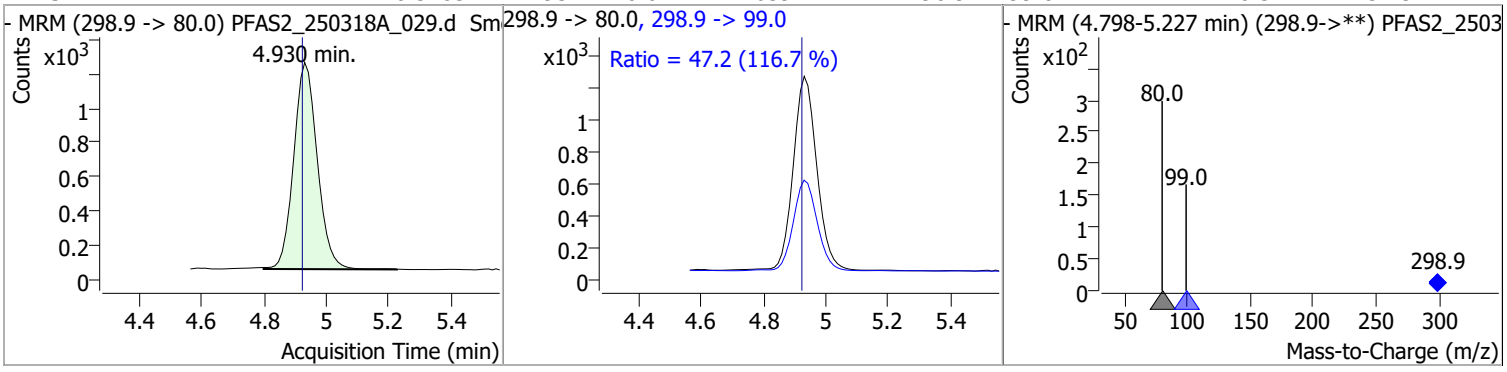
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.3262	4.89	0.00	16368	313.0 -> 119.0	3.5	2.4	4.5



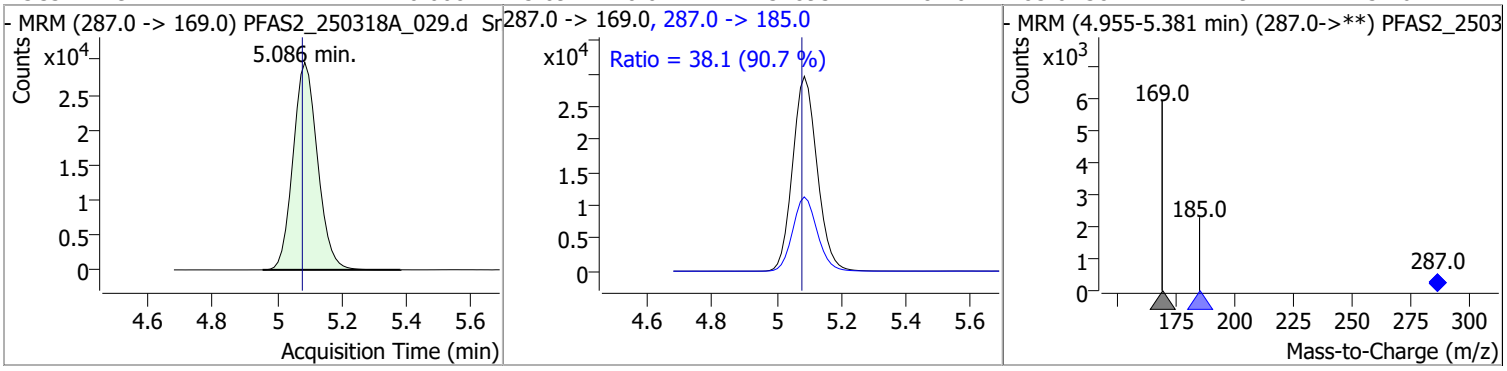
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3581	4.93	0.01	48387	302.0 -> 99.0	45.3	29.4	54.5



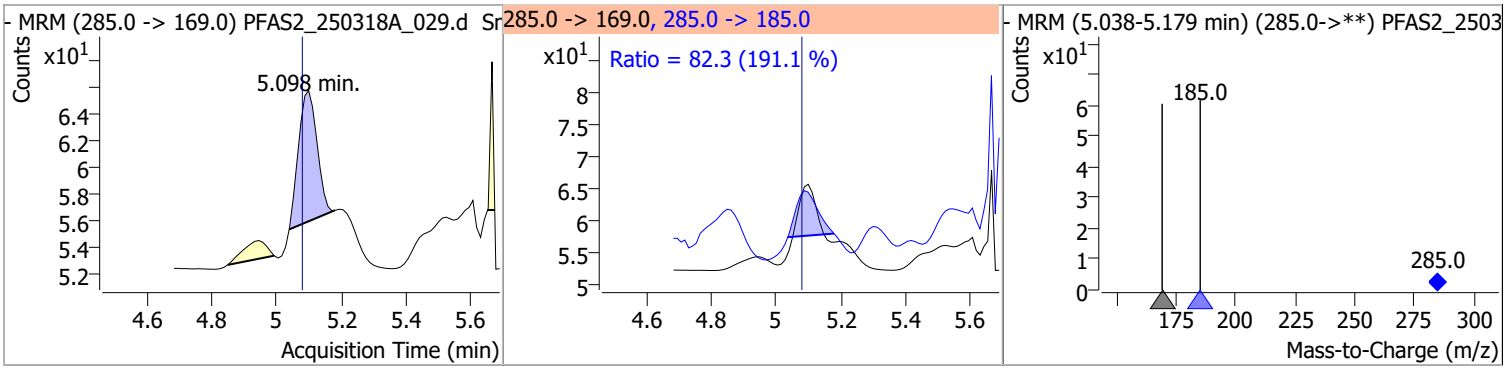
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.3183	4.93	0.01	6392	298.9 -> 99.0	47.2	28.3	52.5



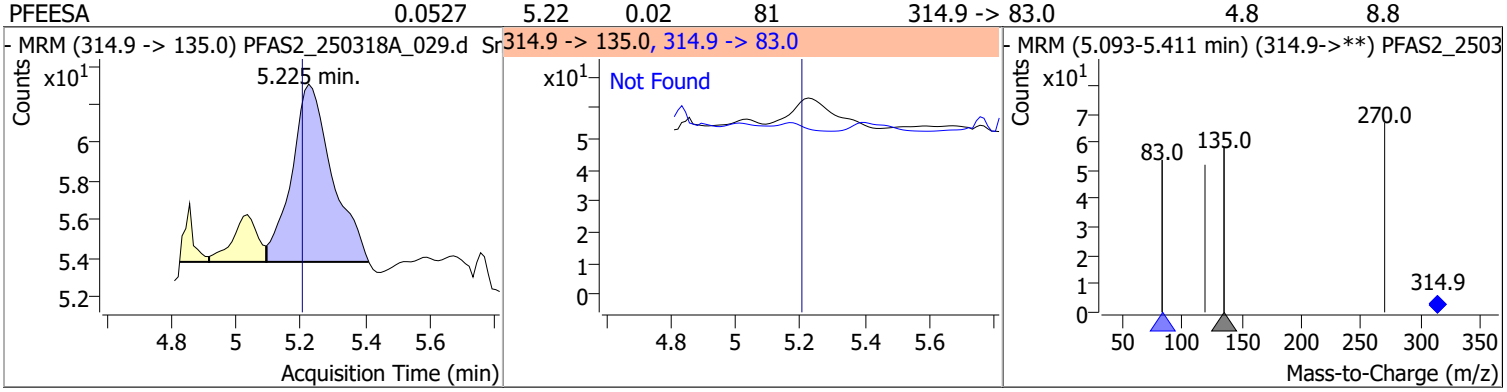
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0081	5.09	0.01	154895	287.0 -> 185.0	38.1	29.4	54.6



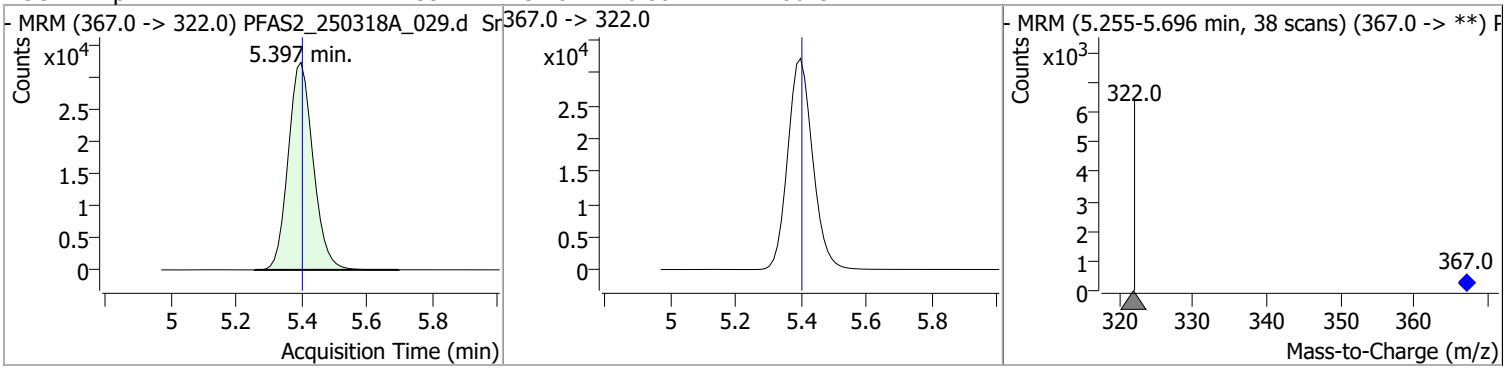
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0028	5.10	0.02	39	285.0 -> 185.0	82.3	30.1	56.0



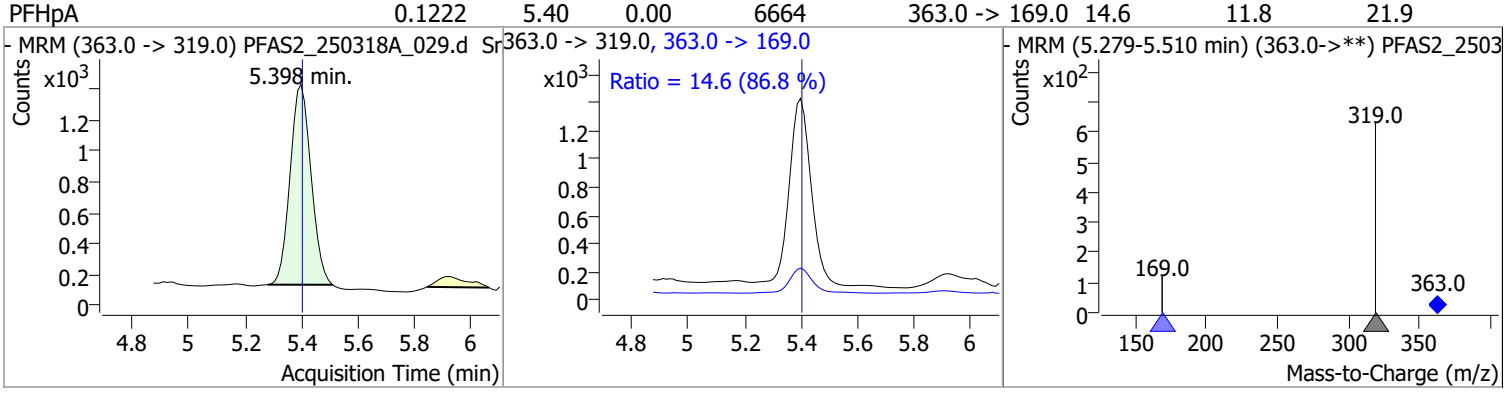
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0527	5.22	0.02	81	314.9 -> 83.0		4.8	8.8



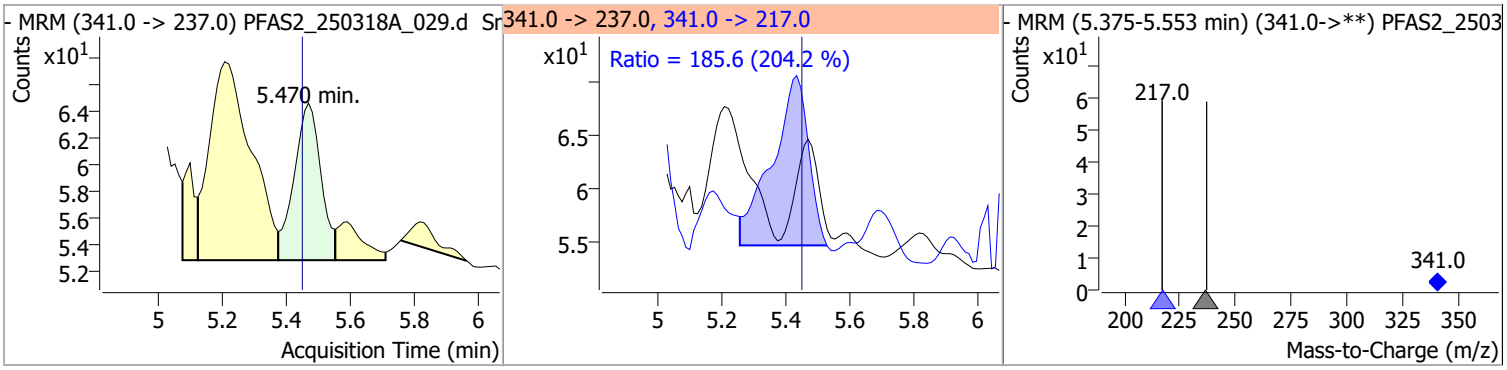
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5511	5.40	0.00	170629				



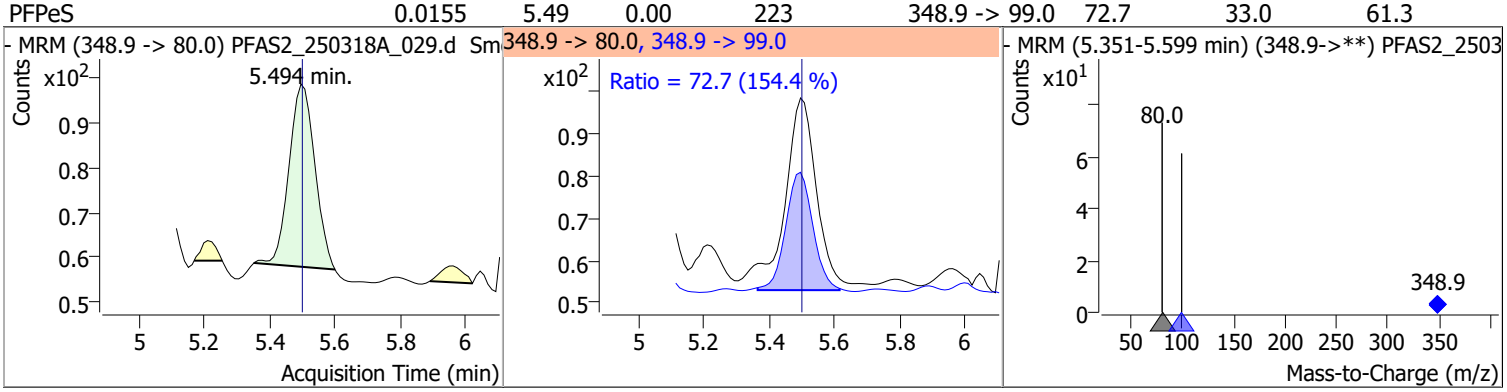
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.1222	5.40	0.00	6664	363.0 -> 169.0	14.6	11.8	21.9



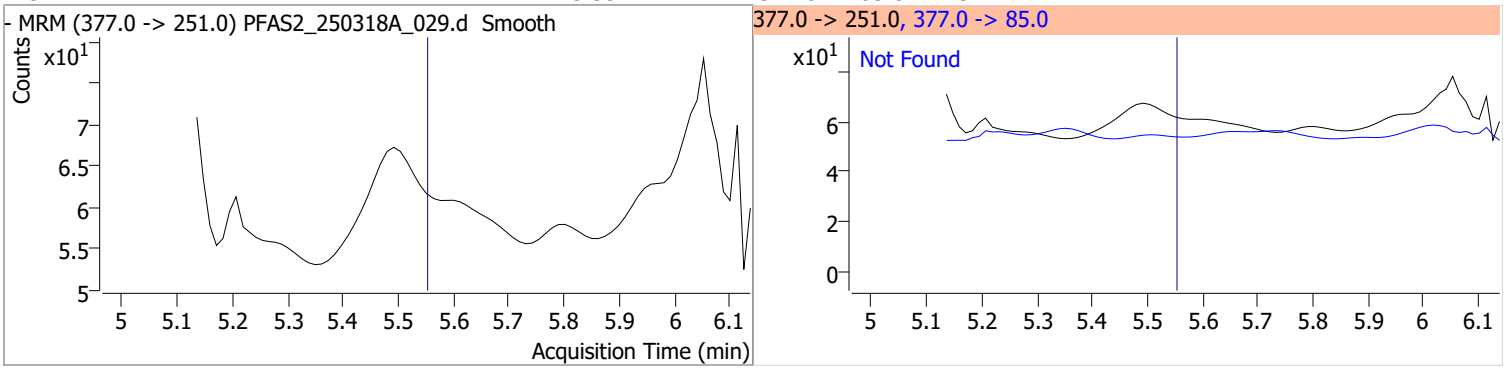
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1944	5.47	0.02	68	341.0 -> 217.0	185.6	63.6	118.1



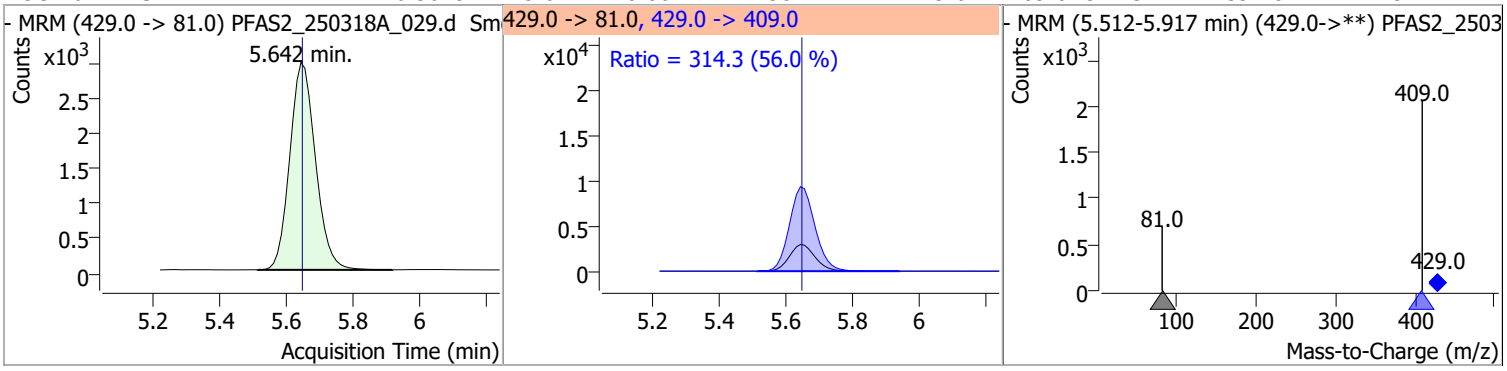
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0155	5.49	0.00	223	348.9 -> 99.0	72.7	33.0	61.3



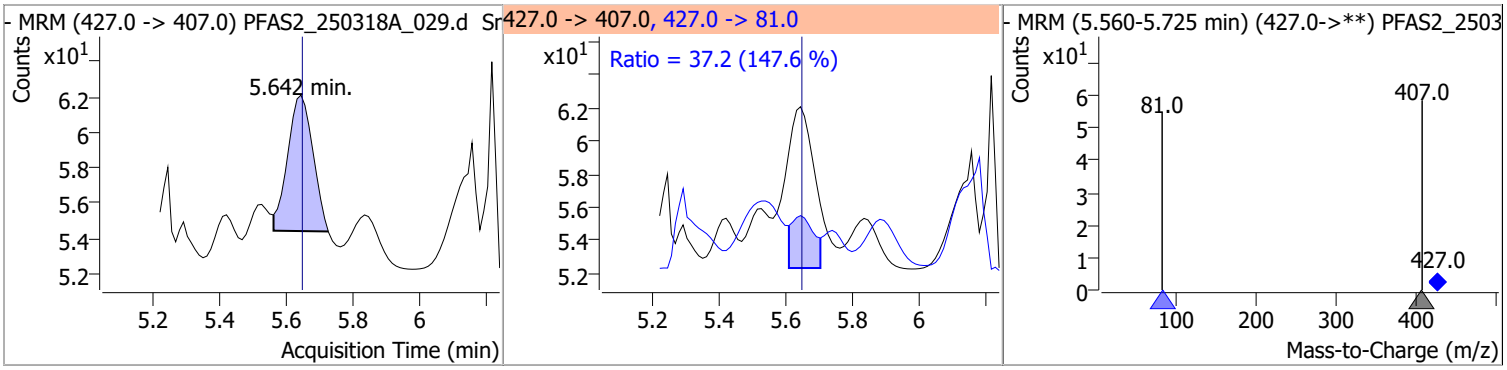
Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	5.55	377.0 -> 85.0	29.1



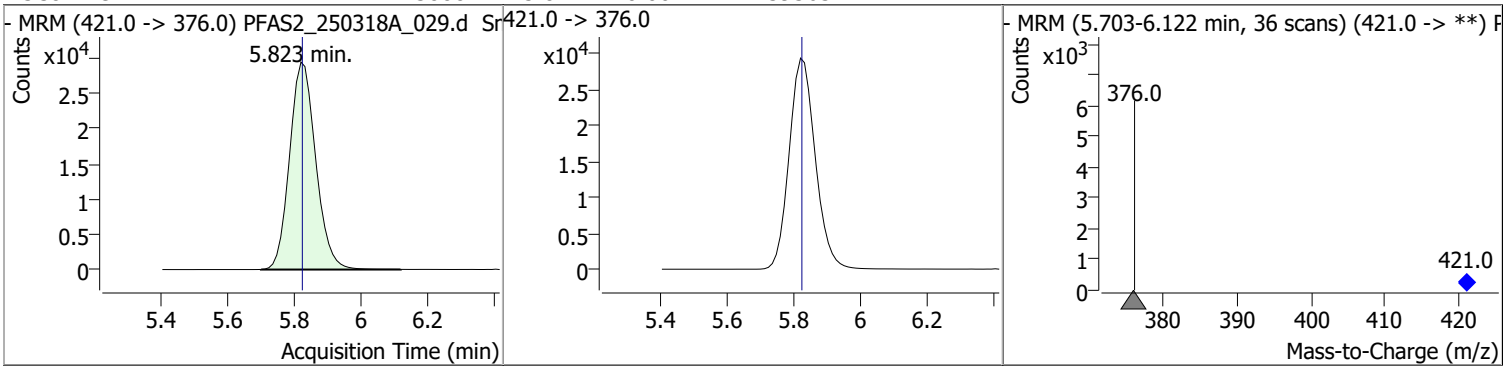
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.3615	5.64	0.00	15874	429.0 -> 409.0	314.3	392.8	729.4



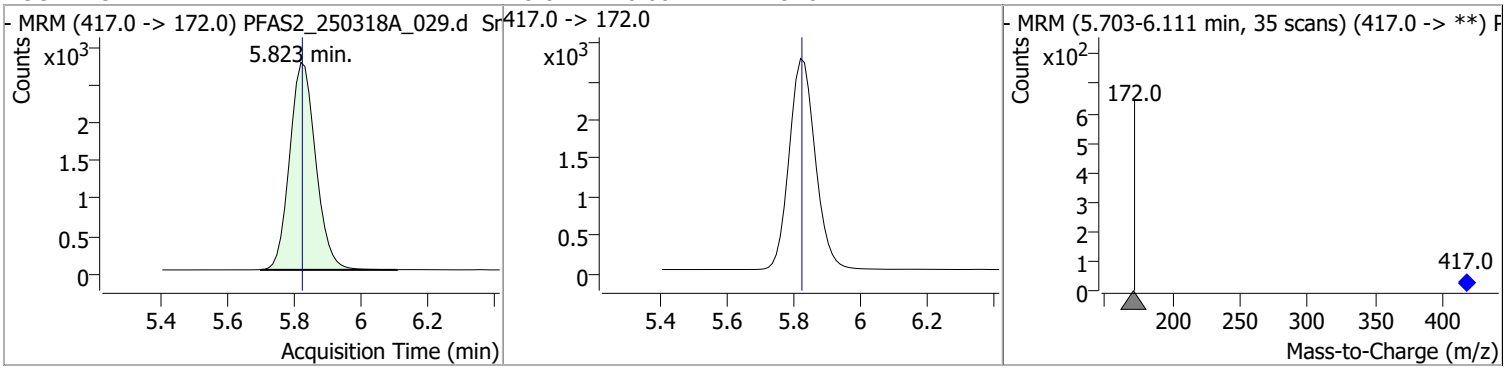
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1136	5.64	0.00	40	427.0 -> 81.0	37.2	17.7	32.8



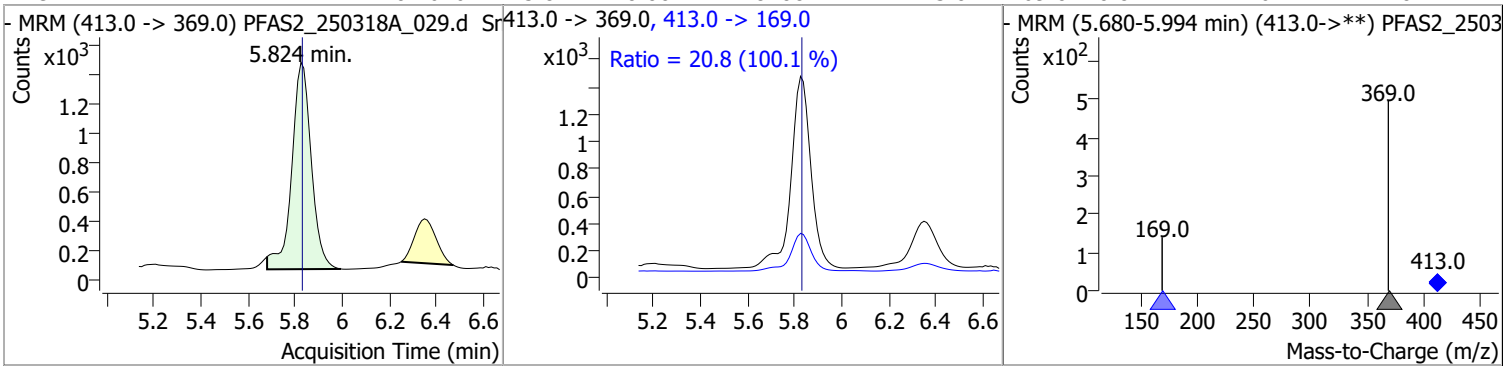
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3888	5.82	0.00	159363				



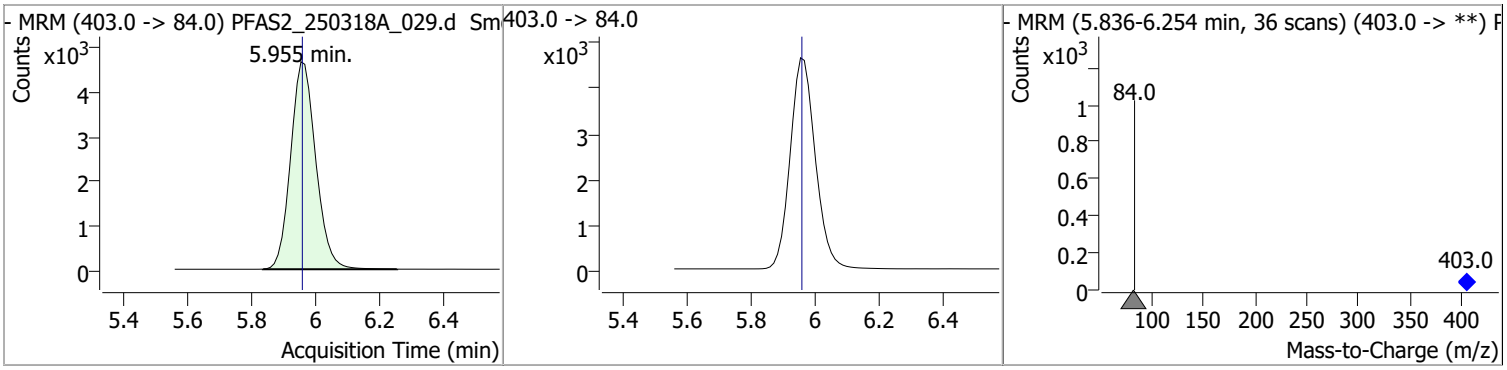
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14918				



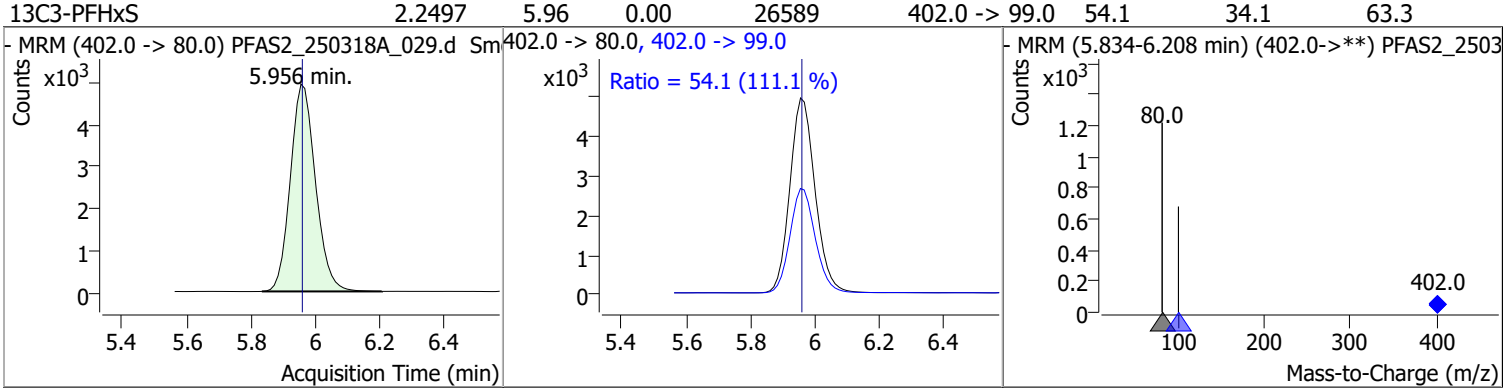
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.1646	5.82	0.00	8108	413.0 -> 169.0	20.8	14.6	27.0



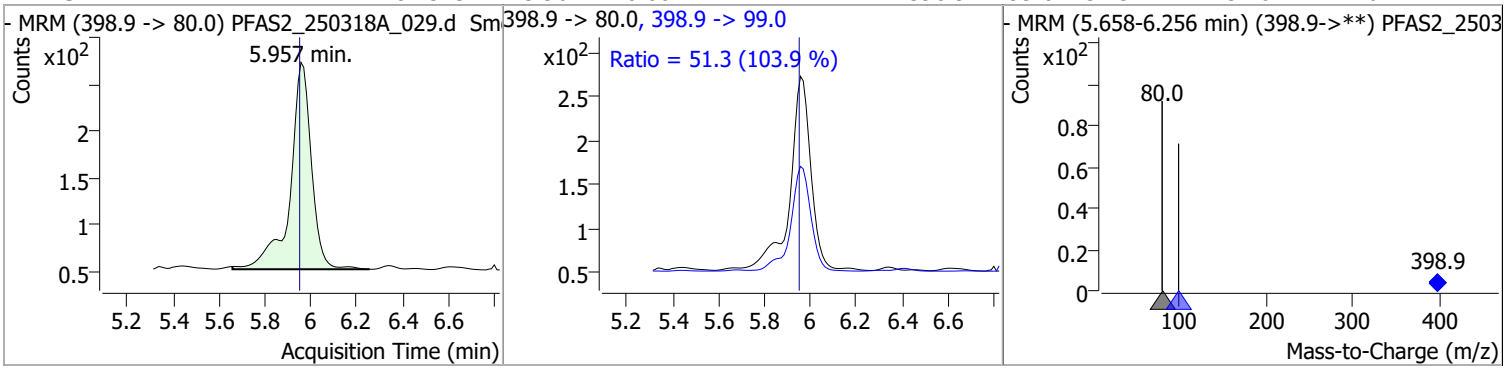
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25058				



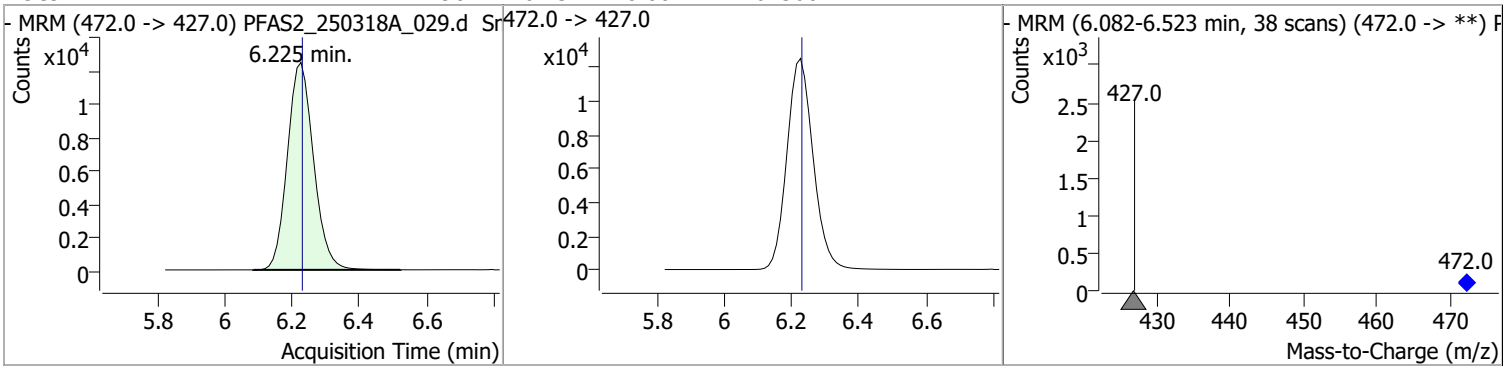
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2497	5.96	0.00	26589	402.0 -> 99.0	54.1	34.1	63.3



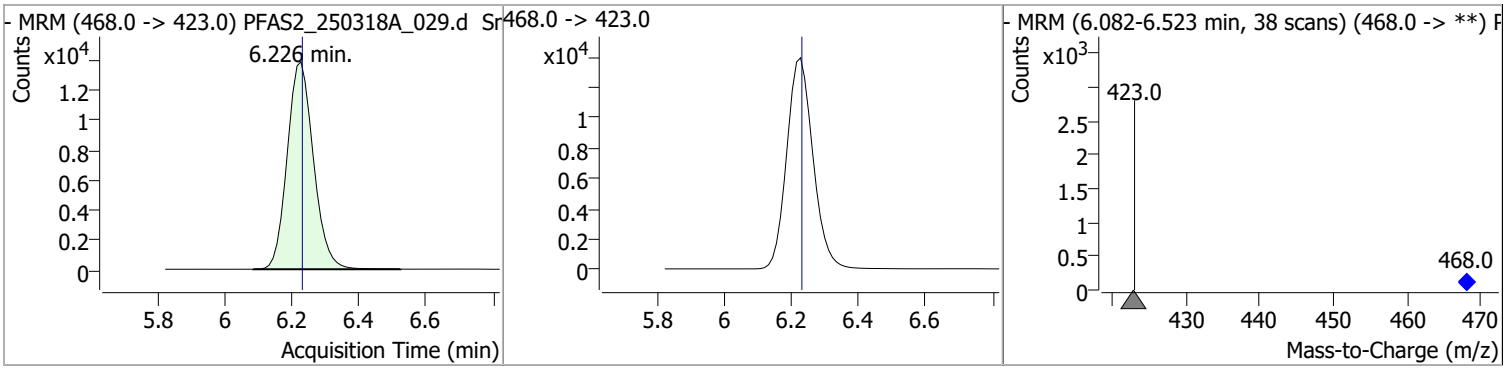
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1375	5.96	0.00	1422	398.9 -> 99.0	51.3	34.6	64.2



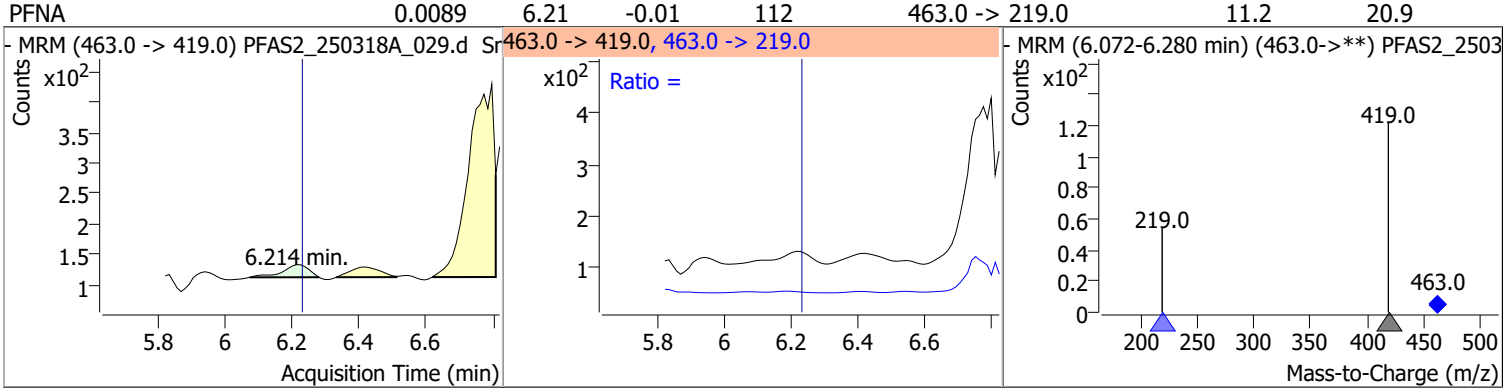
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1290	6.23	0.00	67560				



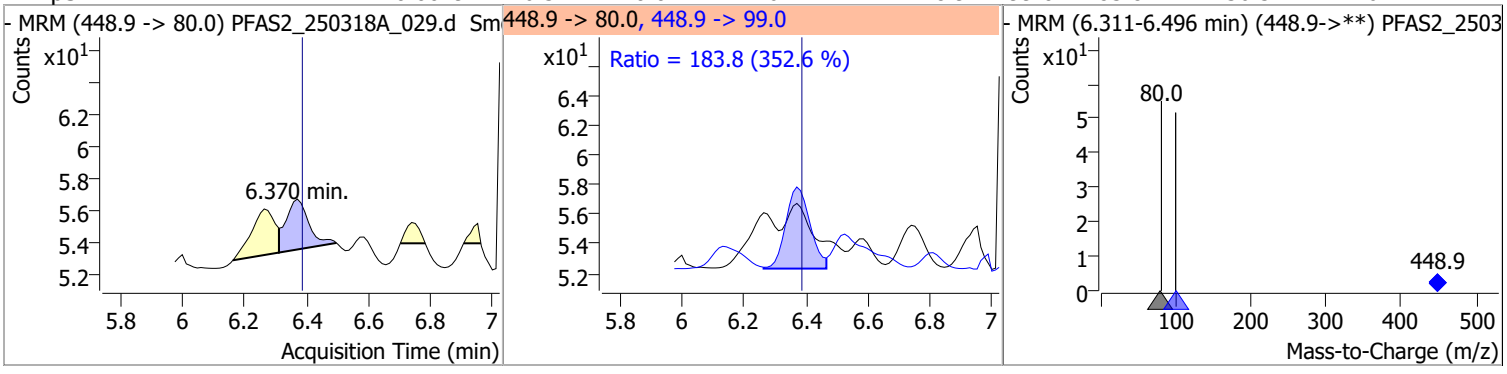
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	75520				



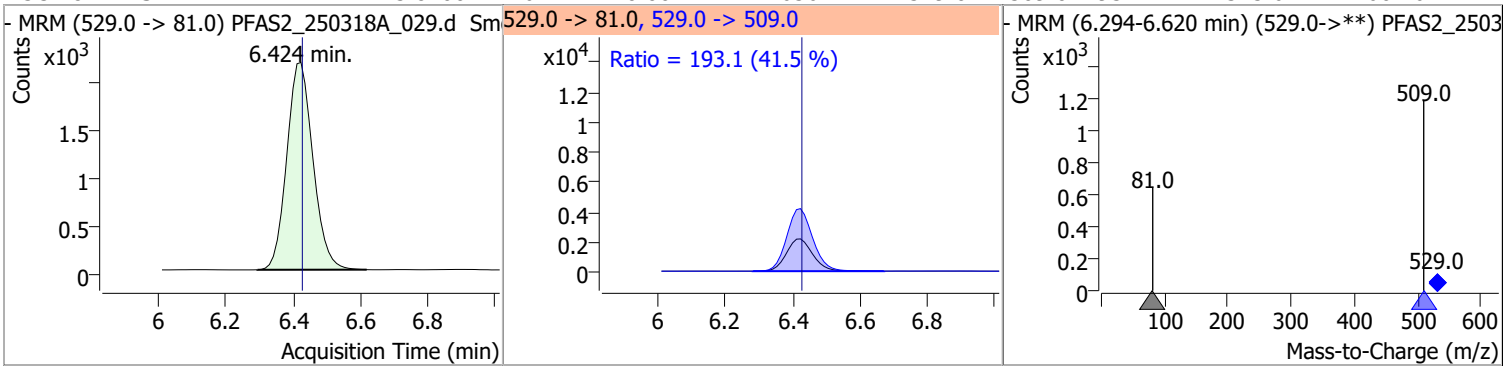
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0089	6.21	-0.01	112	463.0 -> 219.0		11.2	20.9



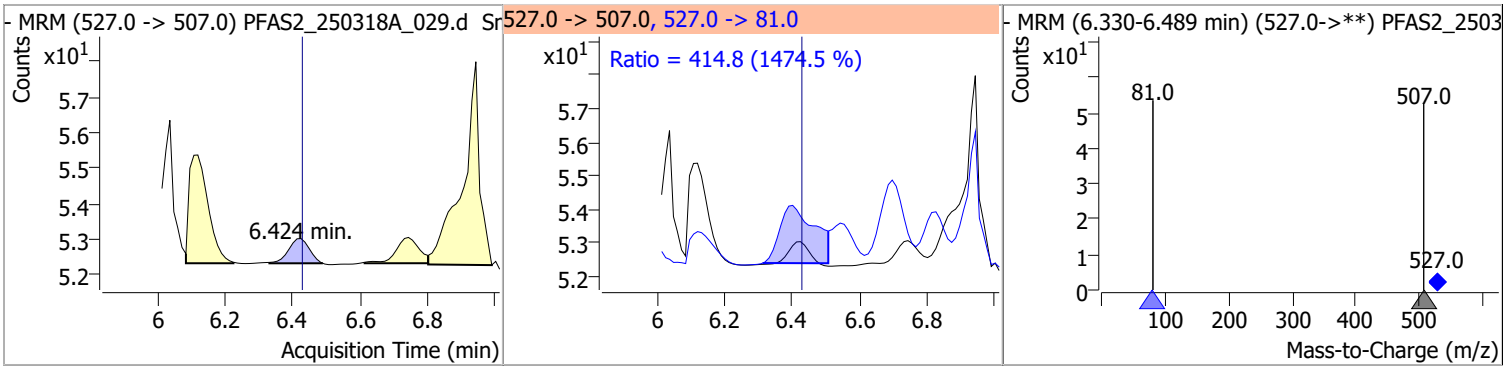
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0019	6.37	-0.01	16	448.9 -> 99.0	183.8	36.5	67.7



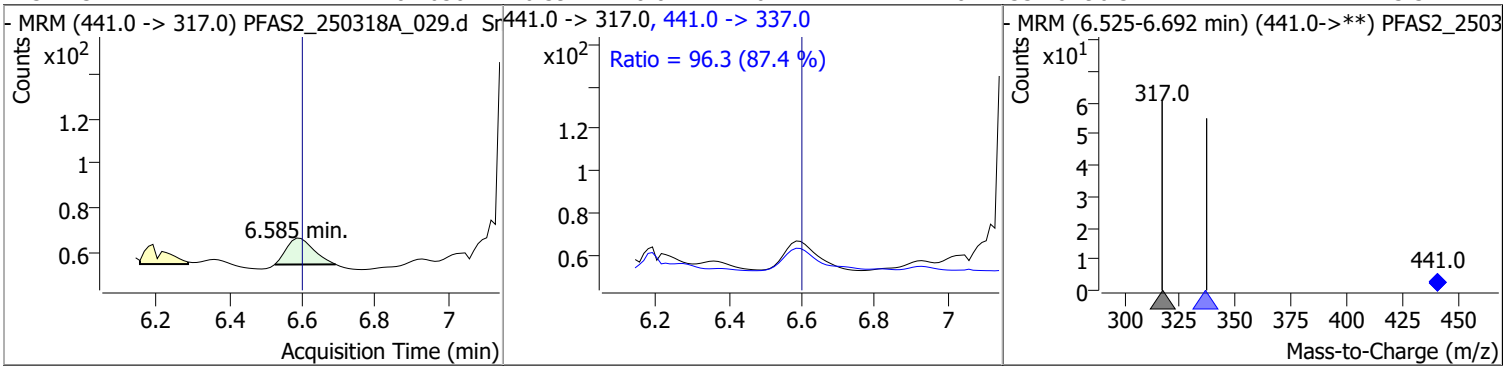
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.8100	6.42	0.00	11656	529.0 -> 509.0	193.1	325.6	604.6



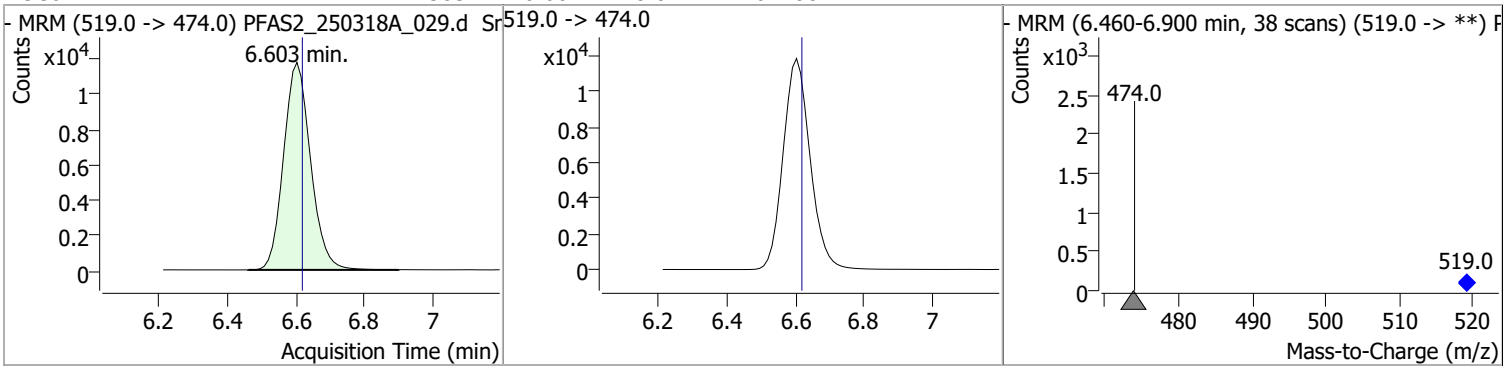
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0729	6.42	0.00	3	527.0 -> 81.0	414.8	19.7	36.6



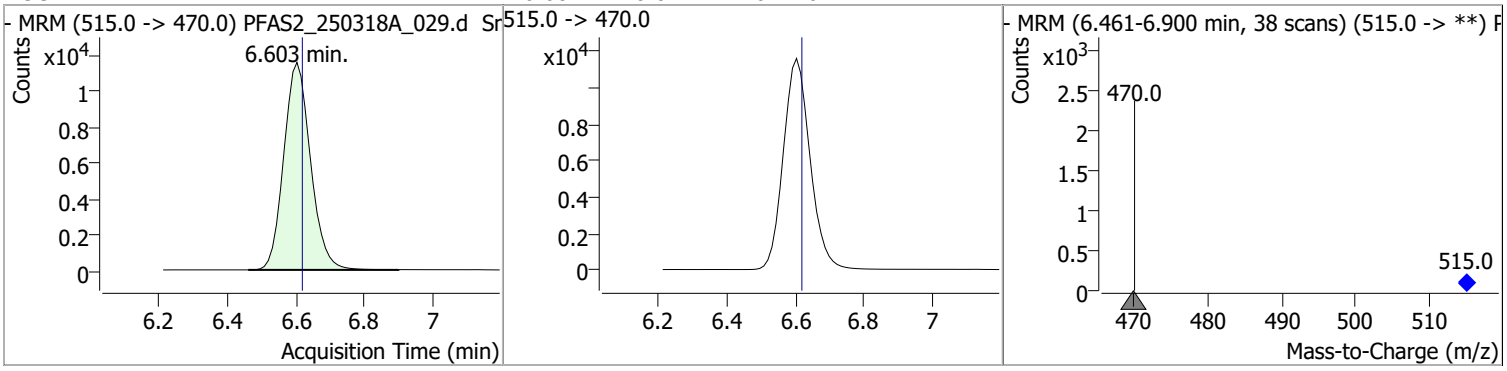
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2650	6.59	-0.01	61	441.0 -> 337.0	96.3	77.1	143.3



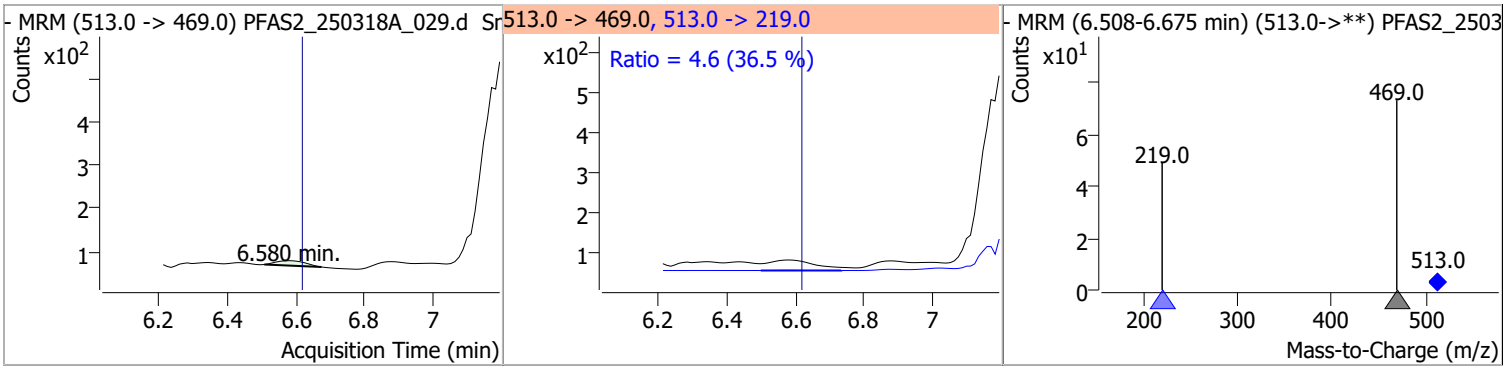
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2585	6.60	-0.01	64288				



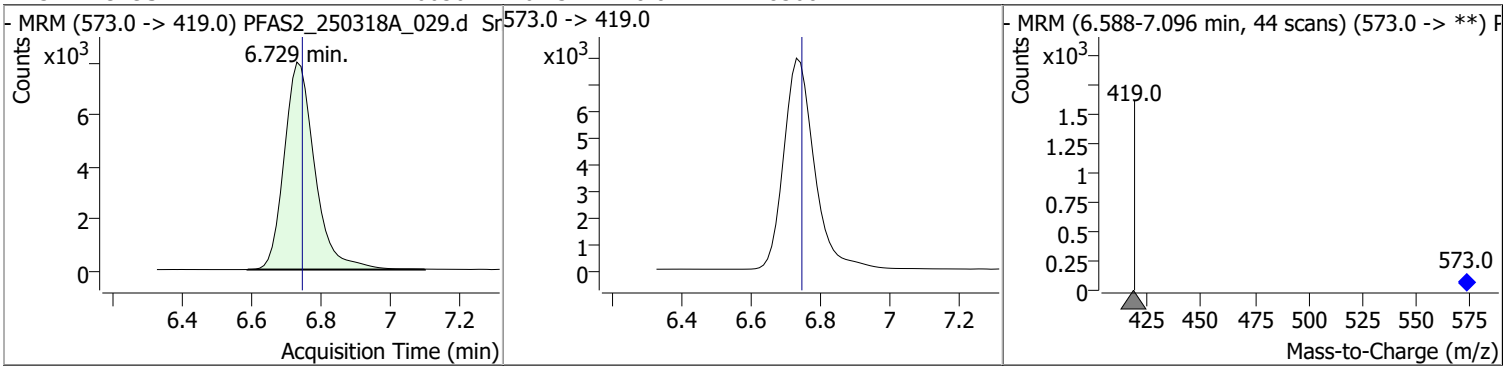
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	62776				



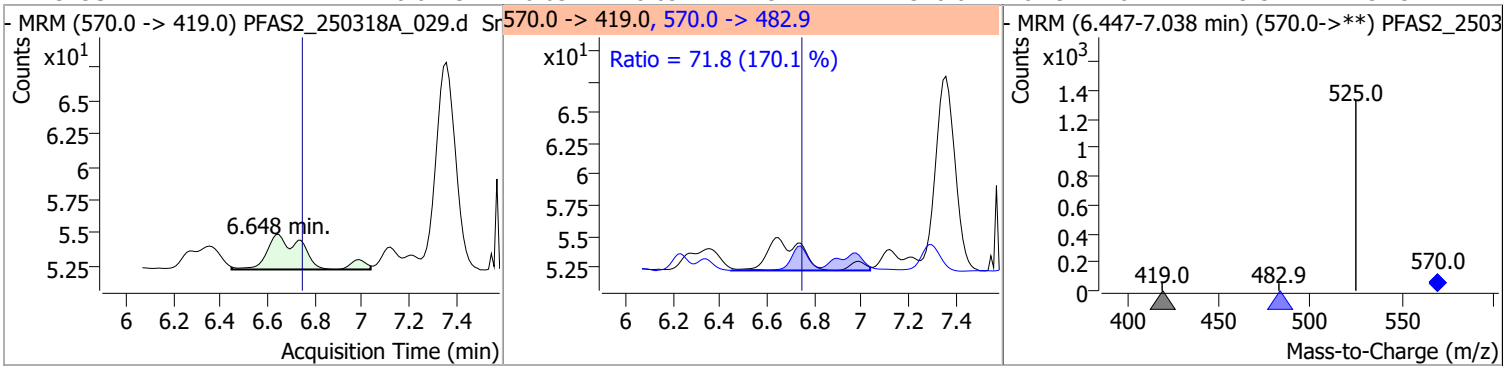
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.58	-0.04	68	513.0 -> 219.0	4.6	8.7	16.2



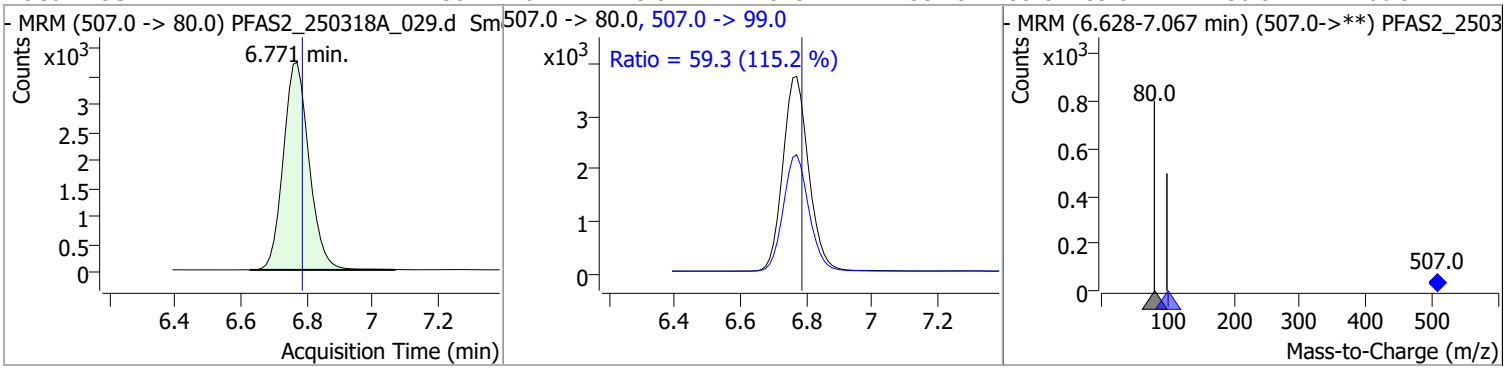
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6656	6.73	-0.01	48560				



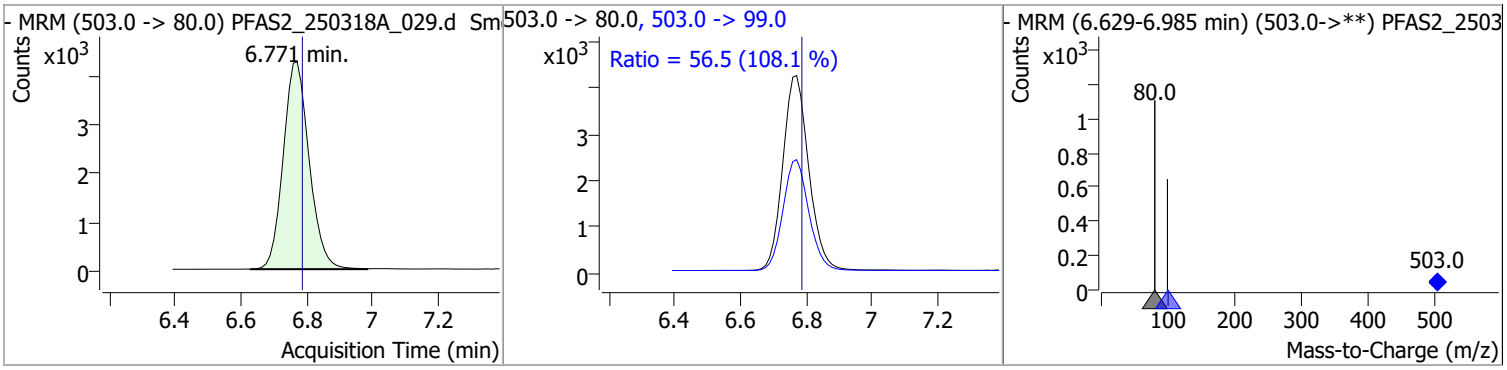
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0115	6.65	-0.09	29	570.0 -> 482.9	71.8	29.5	54.9



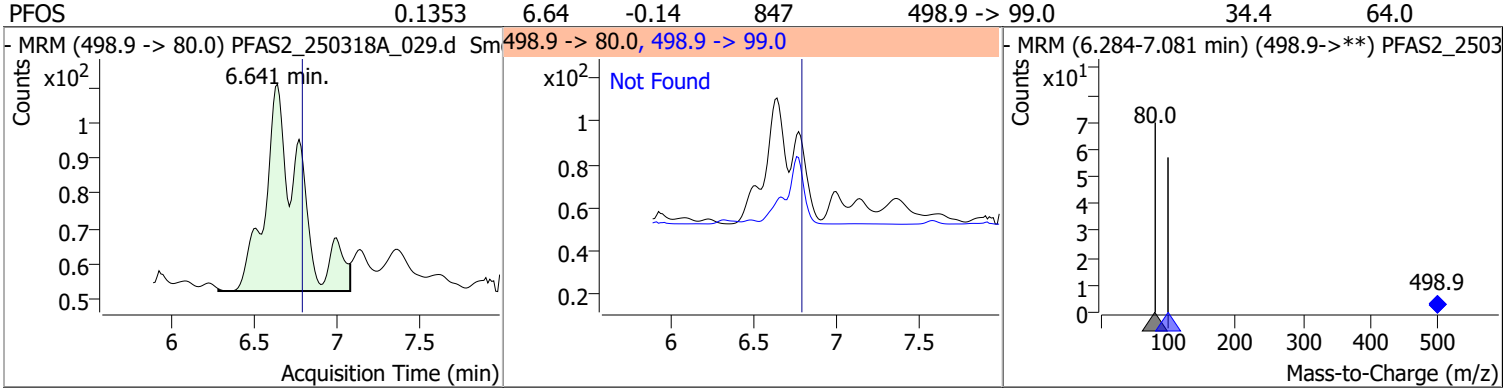
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.1458	6.77	-0.01	20202	507.0 -> 99.0	59.3	36.0	66.9



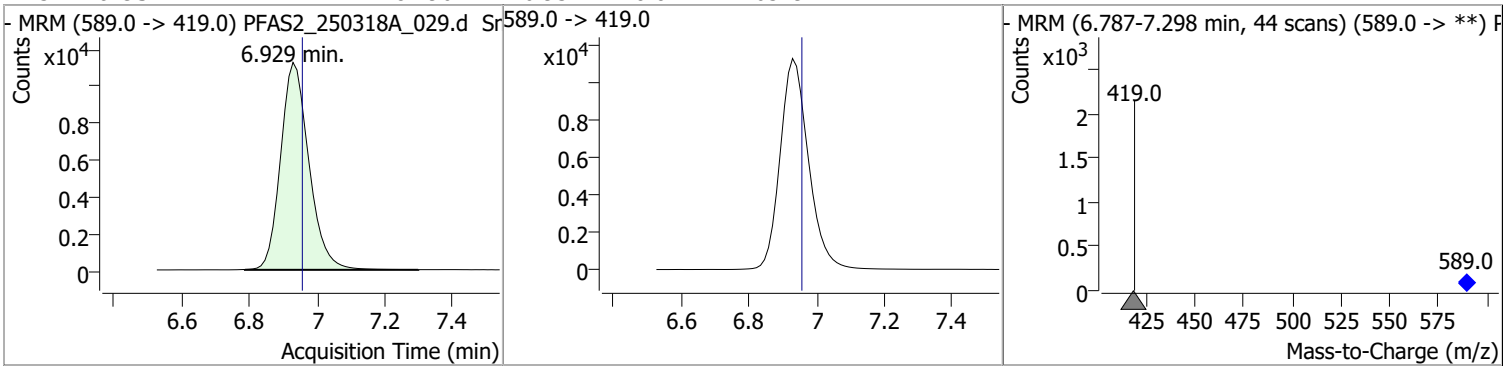
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23197	503.0 -> 99.0	56.5	36.6	67.9



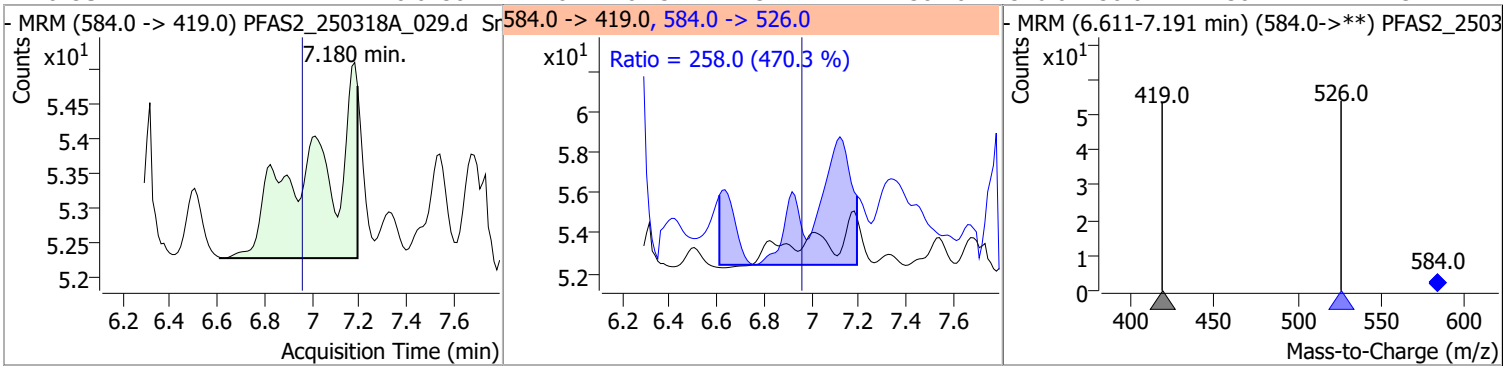
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1353	6.64	-0.14	847	498.9 -> 99.0		34.4	64.0



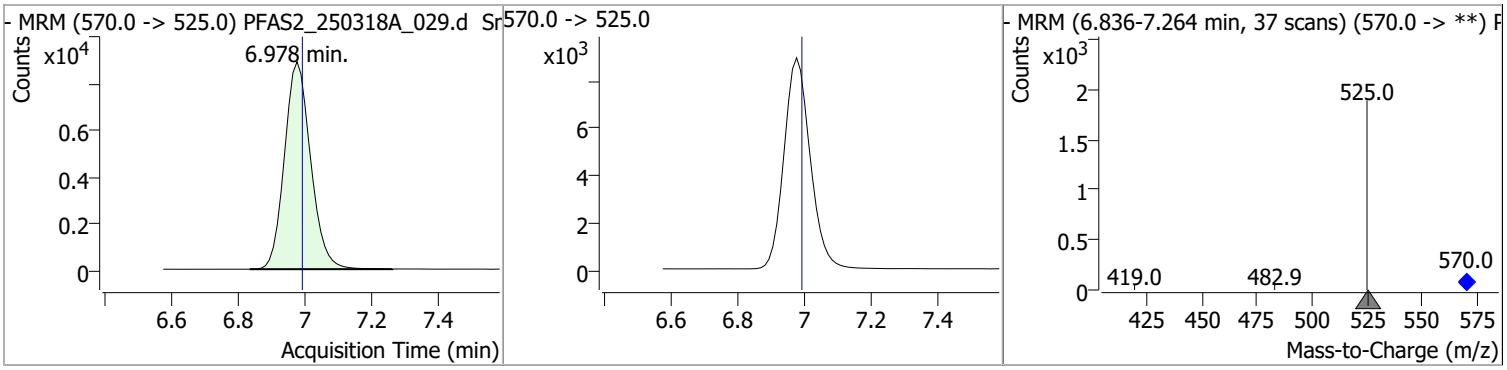
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	8.2962	6.93	-0.02	65192				



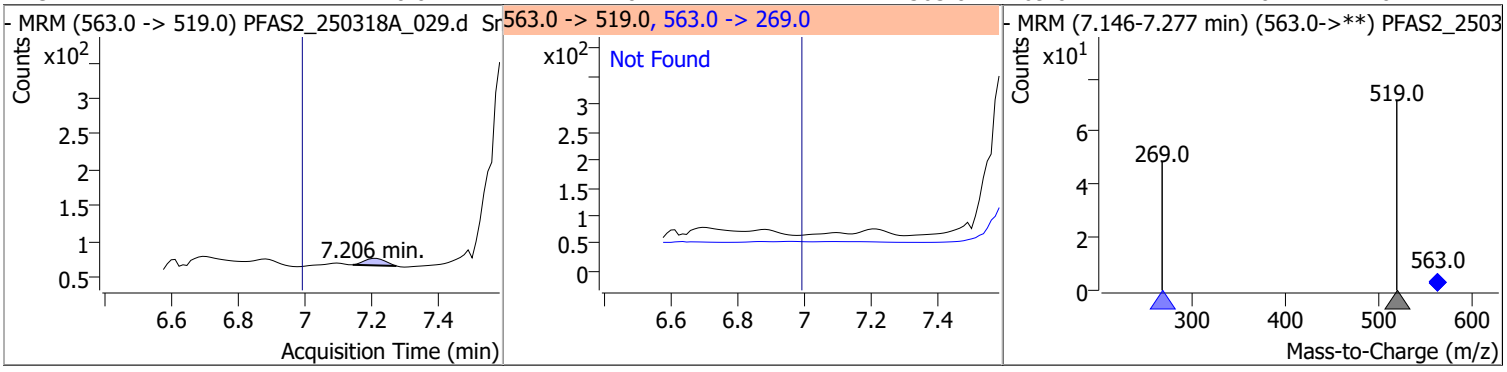
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0138	7.18	0.23	34	584.0 -> 526.0	258.0	38.4	71.3



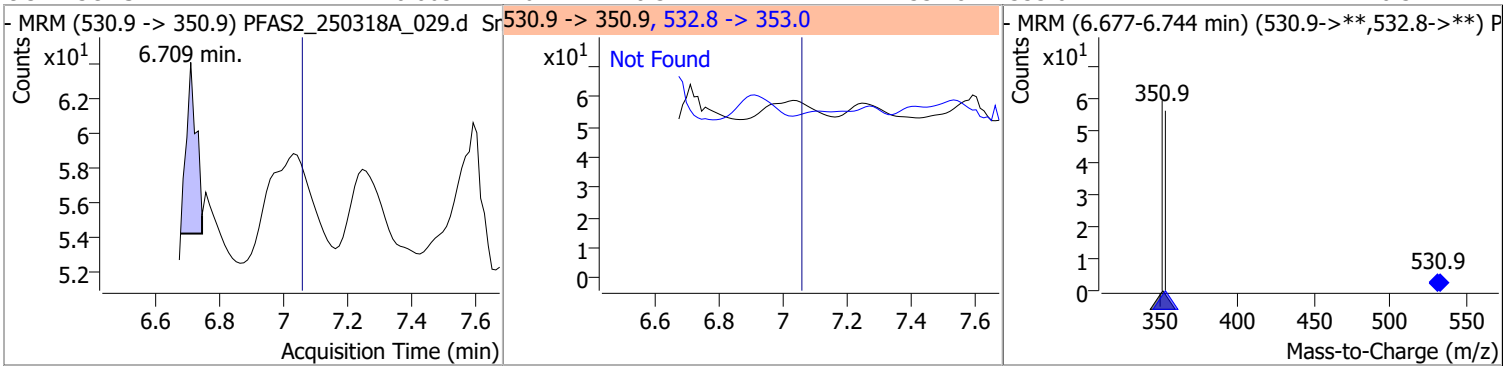
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2082	6.98	-0.01	48643				



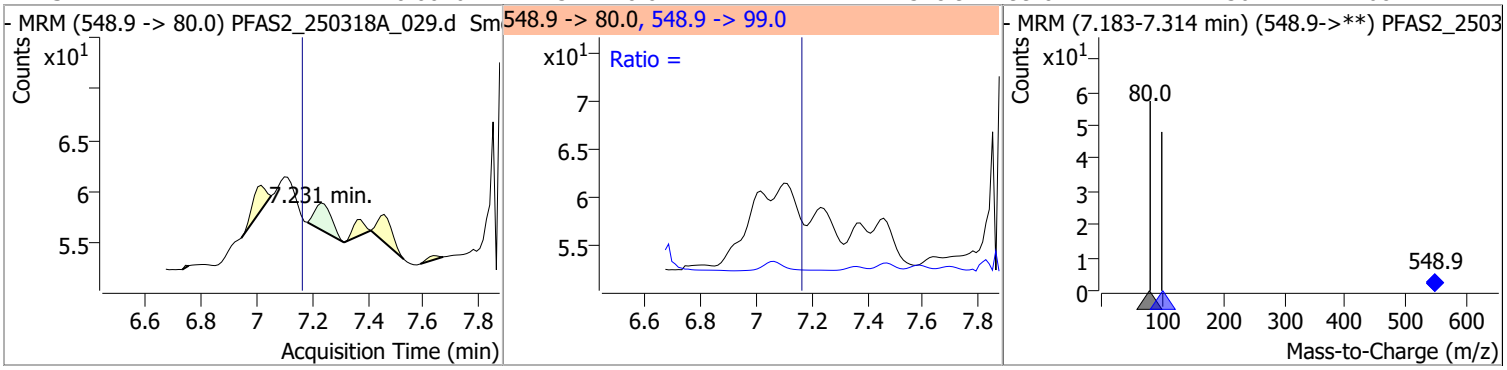
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0144	7.21	0.22	44	563.0 -> 269.0		11.0	20.4



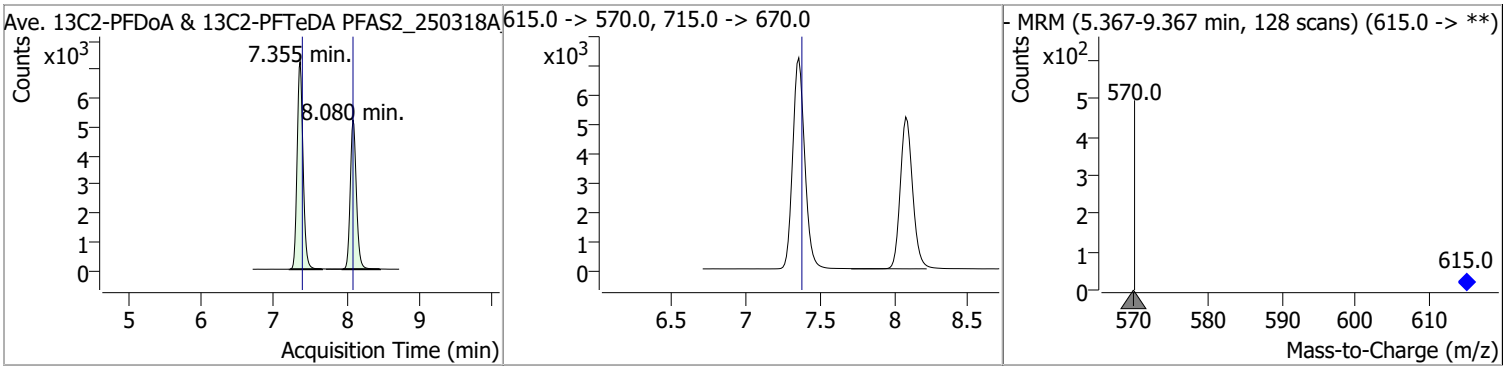
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0654	6.71	-0.34	21	532.8 -> 353.0		21.7	40.3



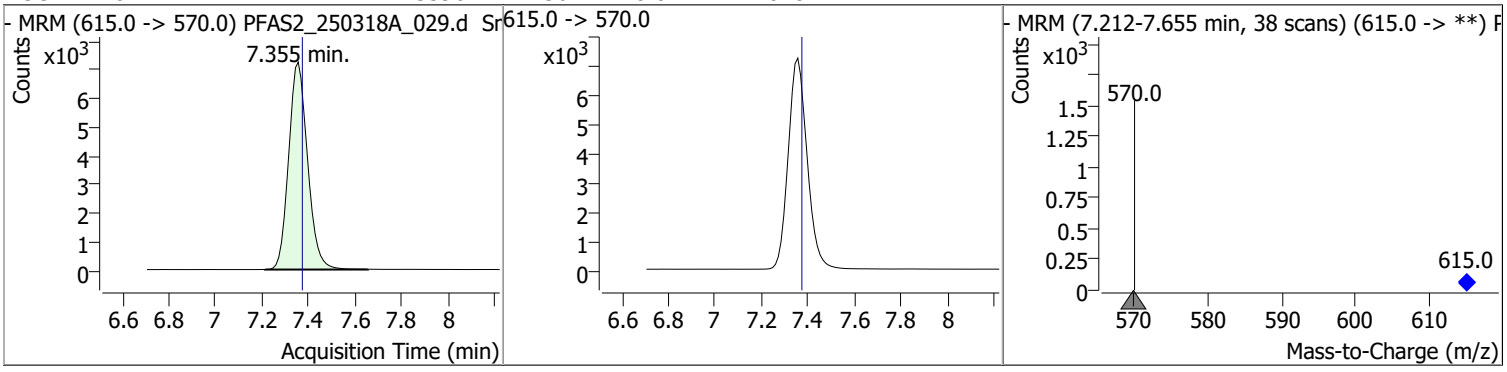
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0016	7.23	0.07	11	548.9 -> 99.0		36.7	68.1



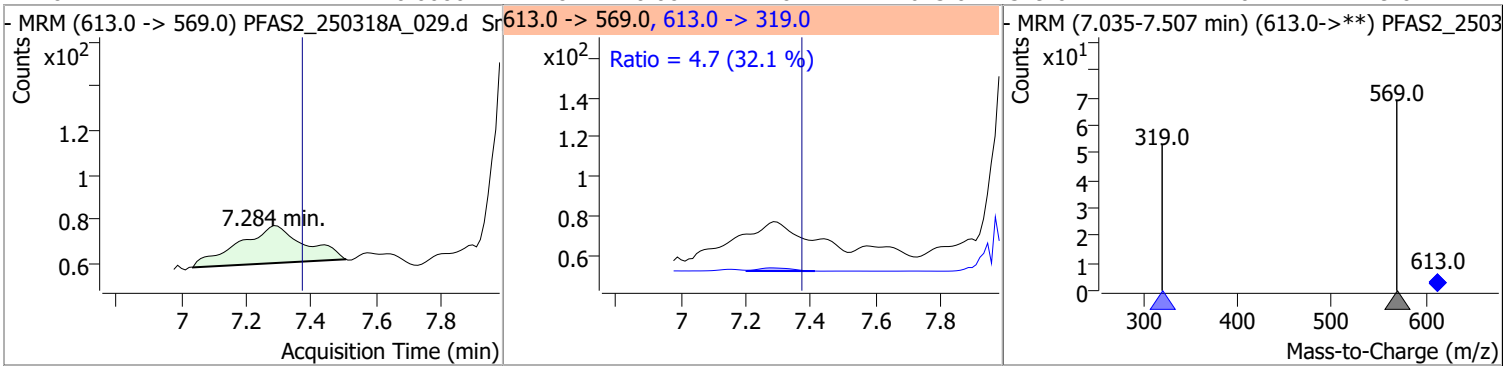
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0715	7.72	0.35	35556				



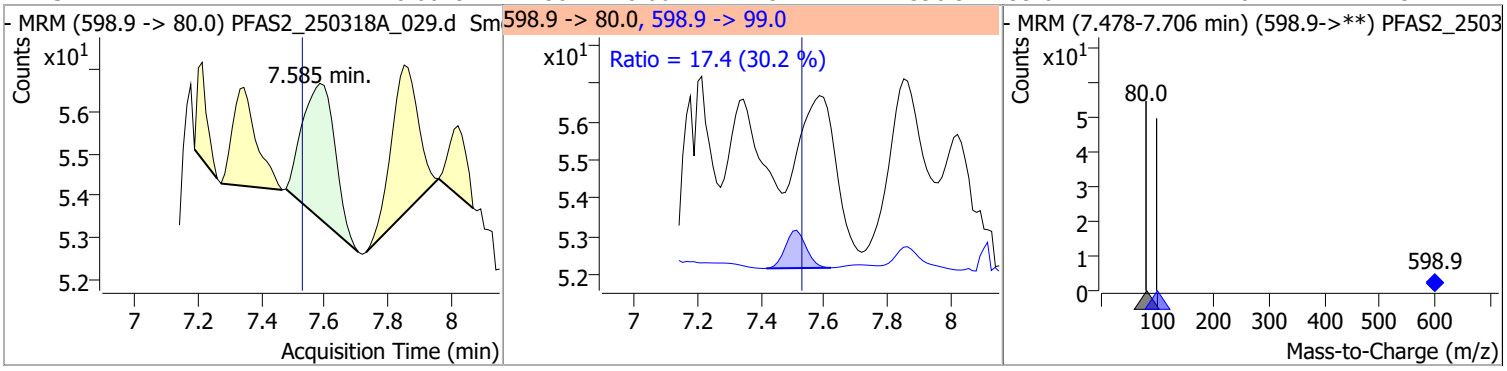
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3596	7.36	-0.01	40781				



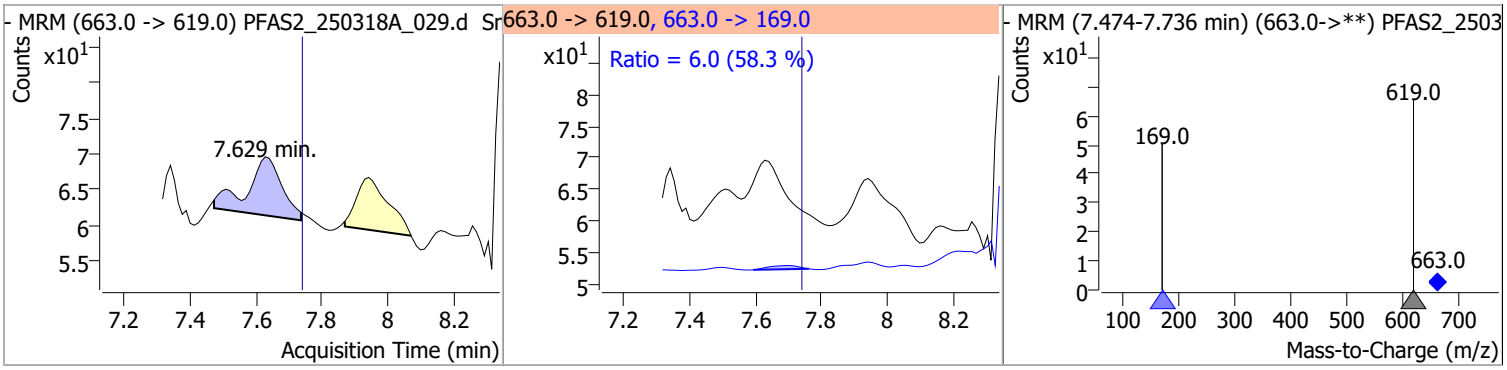
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0080	7.28	-0.08	240	613.0 -> 319.0	4.7	10.2	19.0



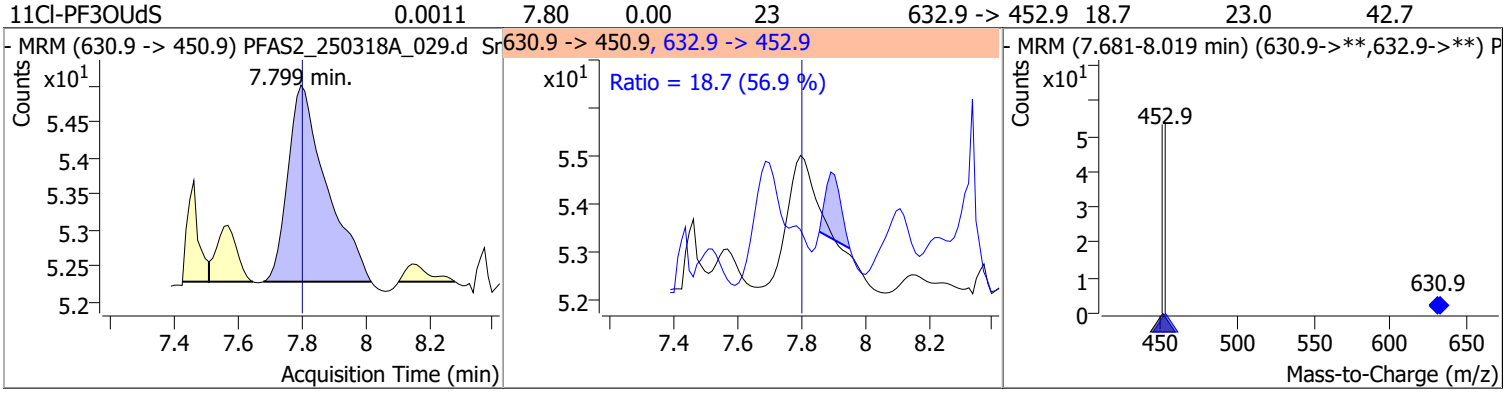
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0045	7.58	0.06	23	598.9 -> 99.0	17.4	40.4	74.9



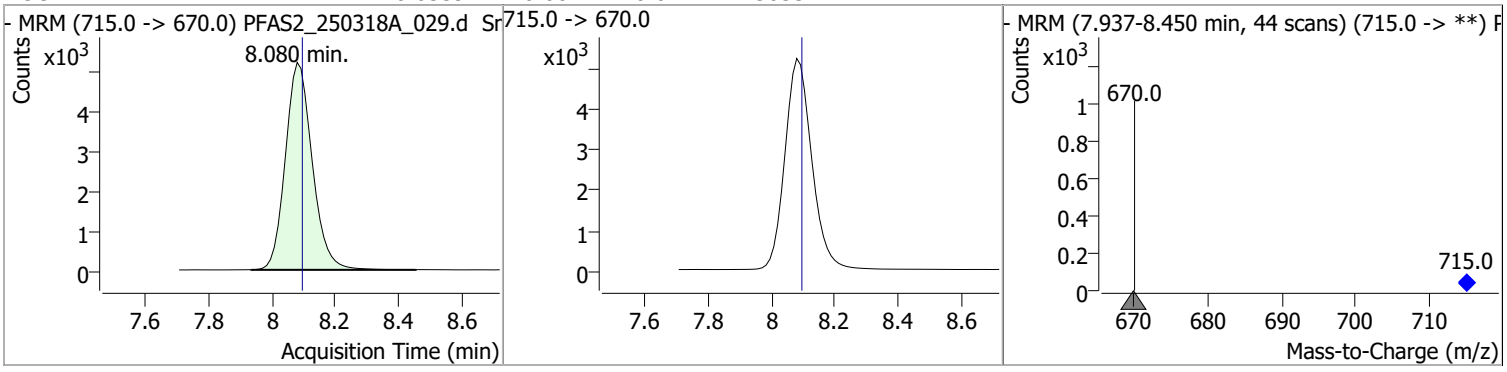
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0022	7.63	-0.11	60	663.0 -> 169.0	6.0	7.2	13.4



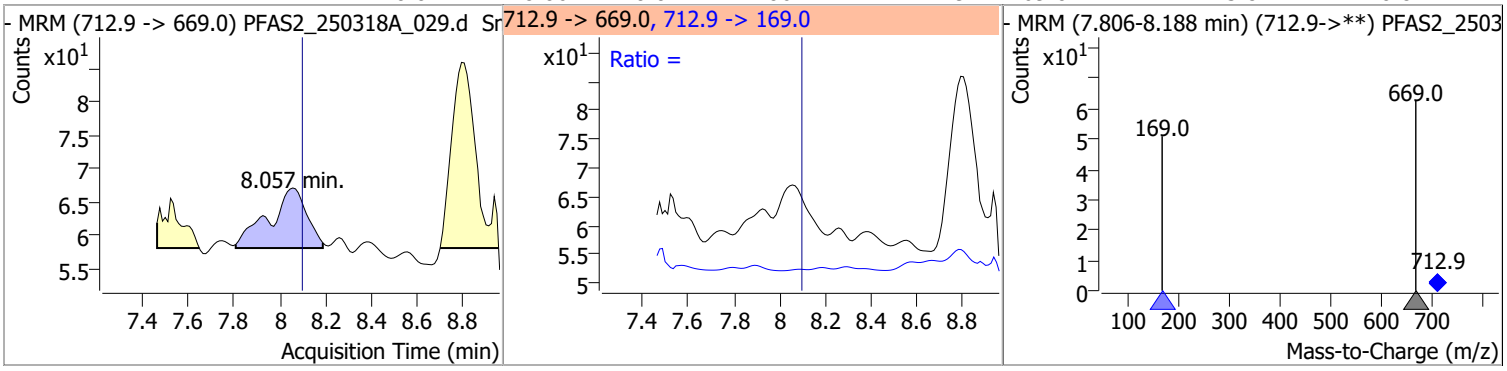
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0011	7.80	0.00	23	632.9 -> 452.9	18.7	23.0	42.7



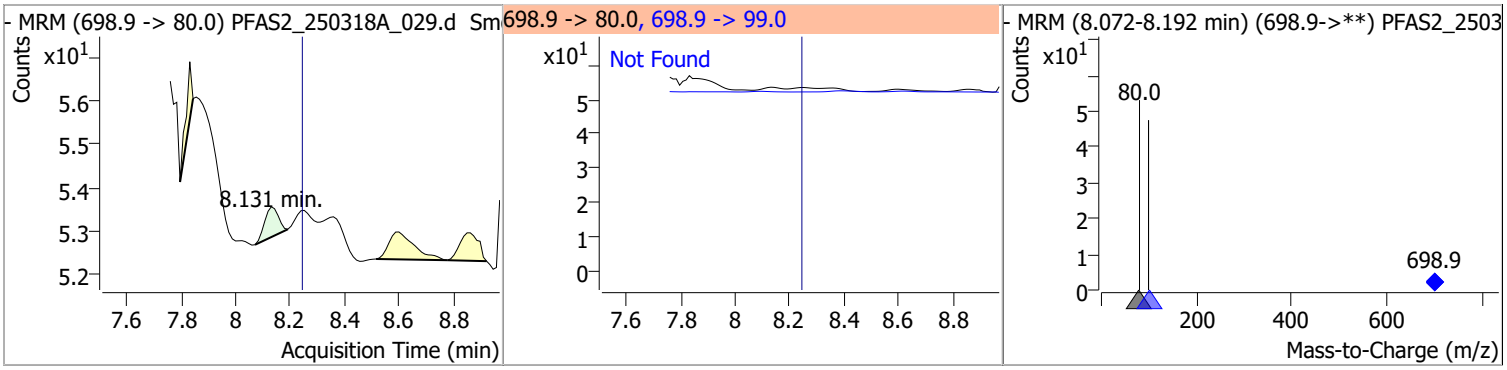
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8339	8.08	-0.01	30332				



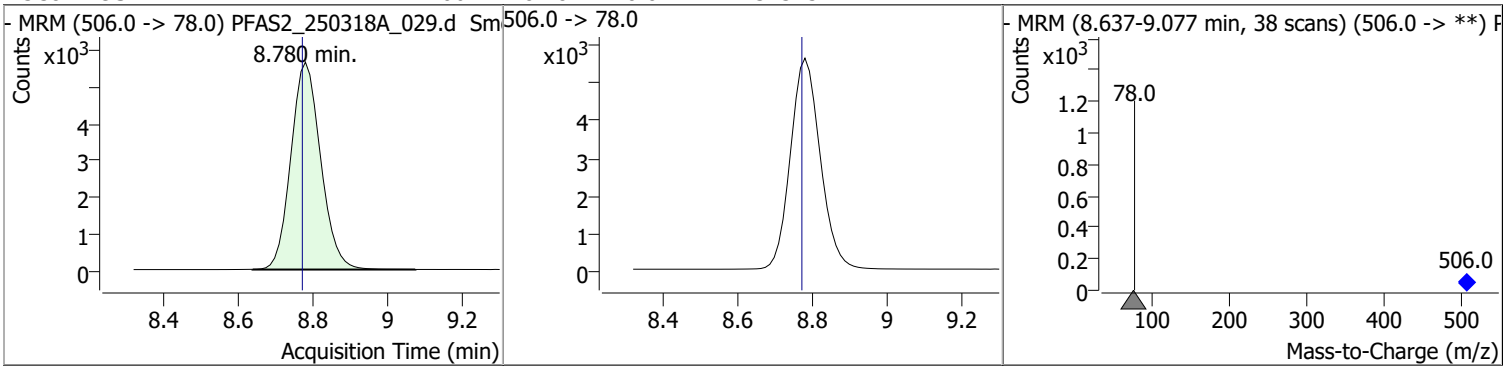
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0114	8.06	-0.04	106	712.9 -> 169.0		5.8	10.8



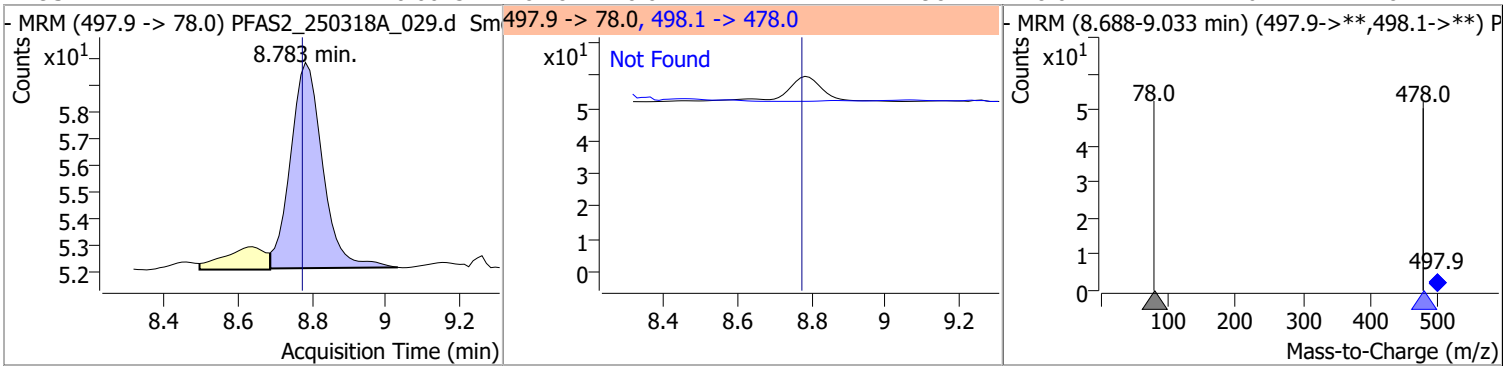
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0006	8.13	-0.11	2	698.9 -> 99.0		41.0	76.1



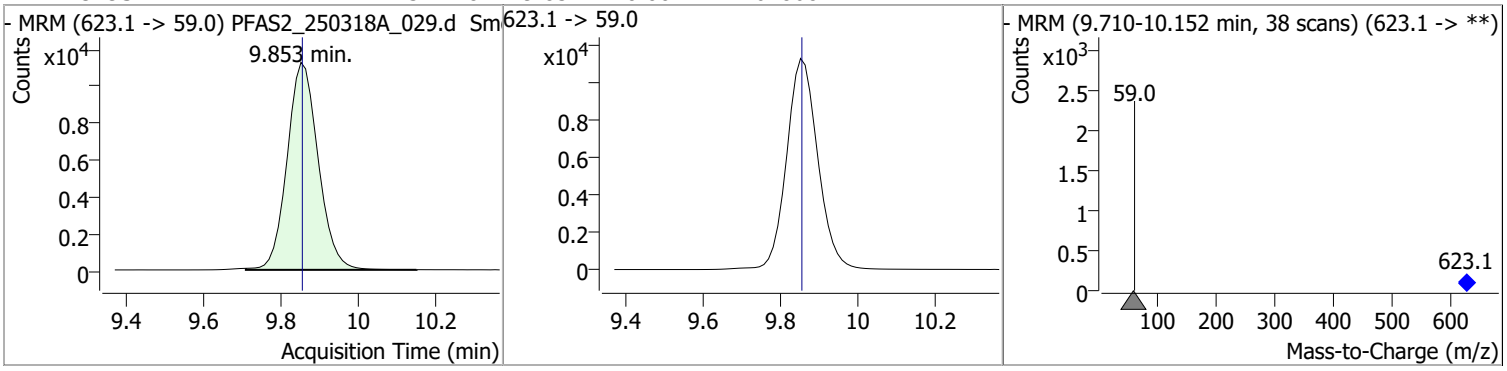
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2706	8.78	0.01	31325				



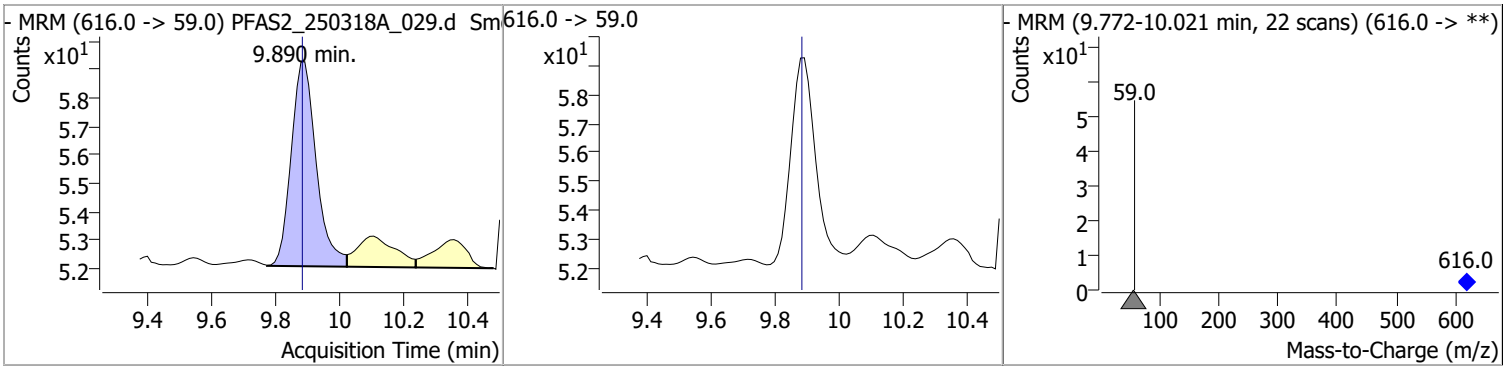
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0043	8.78	0.01	47	498.1 -> 478.0		2.6	4.8



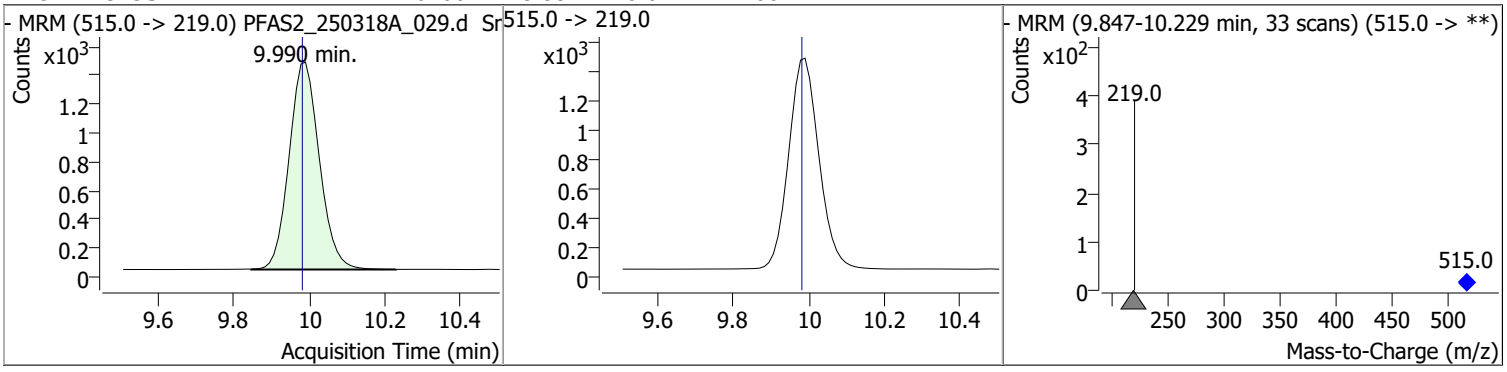
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.4428	9.85	0.00	62868				



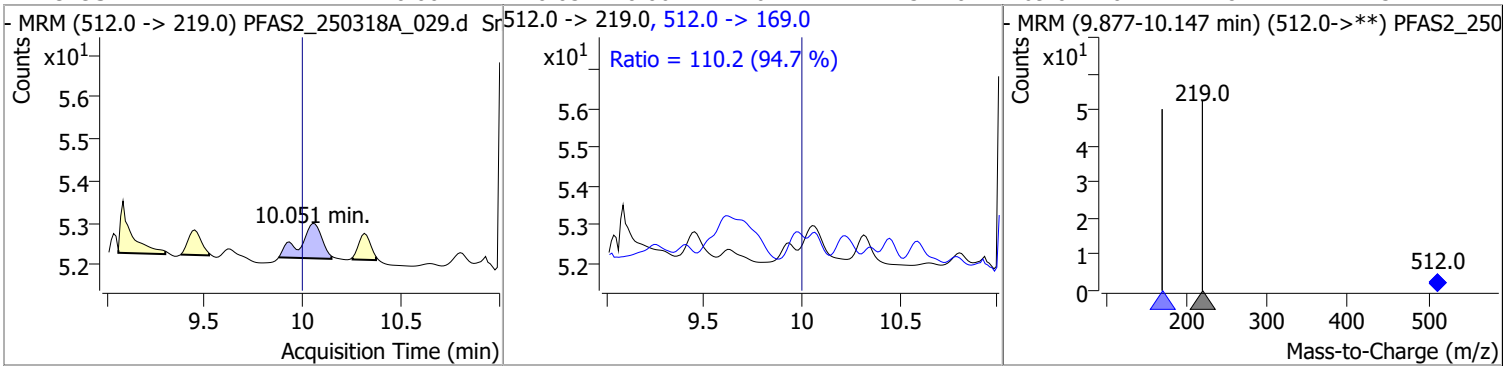
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	39				



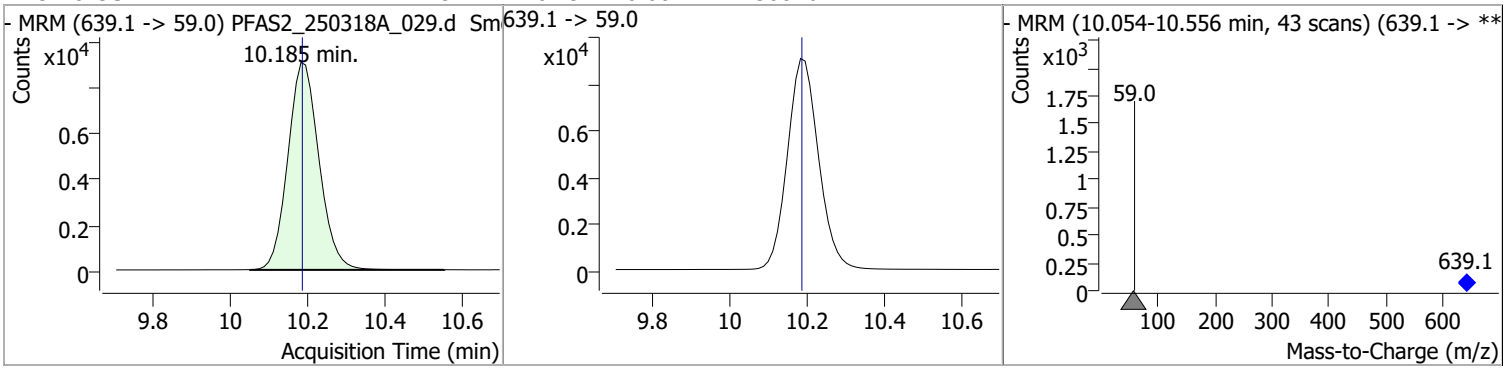
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0700	9.99	0.01	8014				



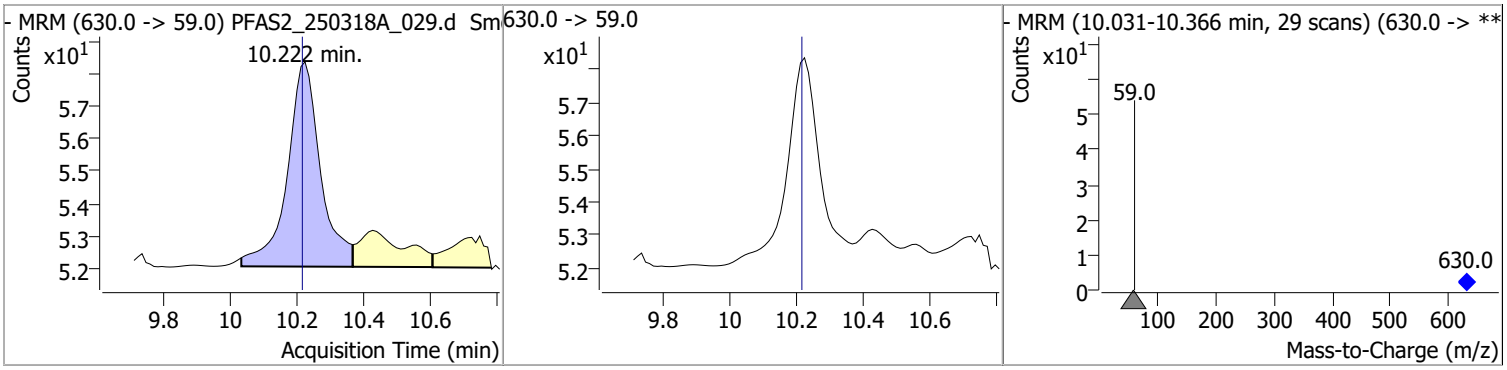
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0021	10.05	0.06	6	512.0 -> 169.0	110.2	81.4	151.2



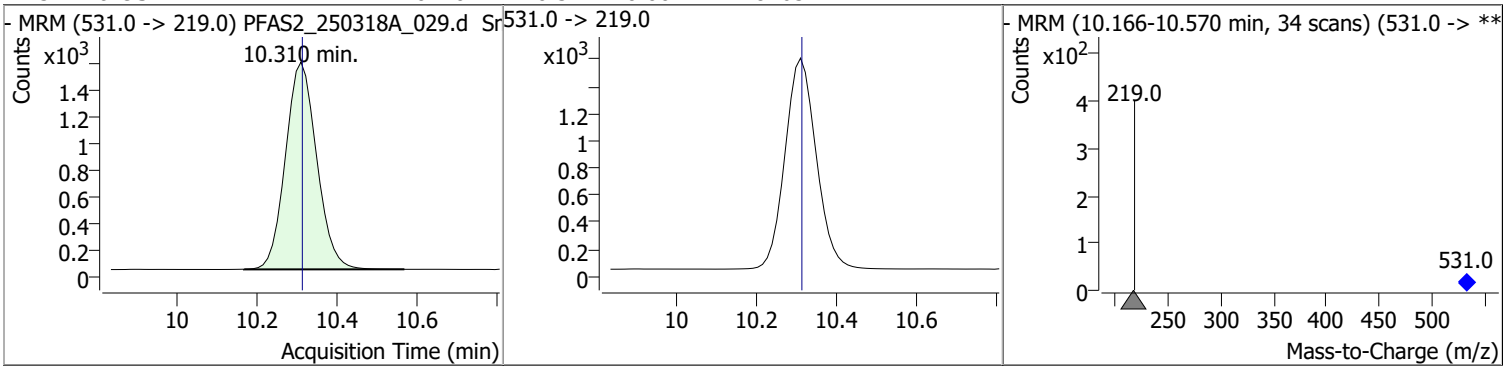
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4977	10.19	0.00	50876				



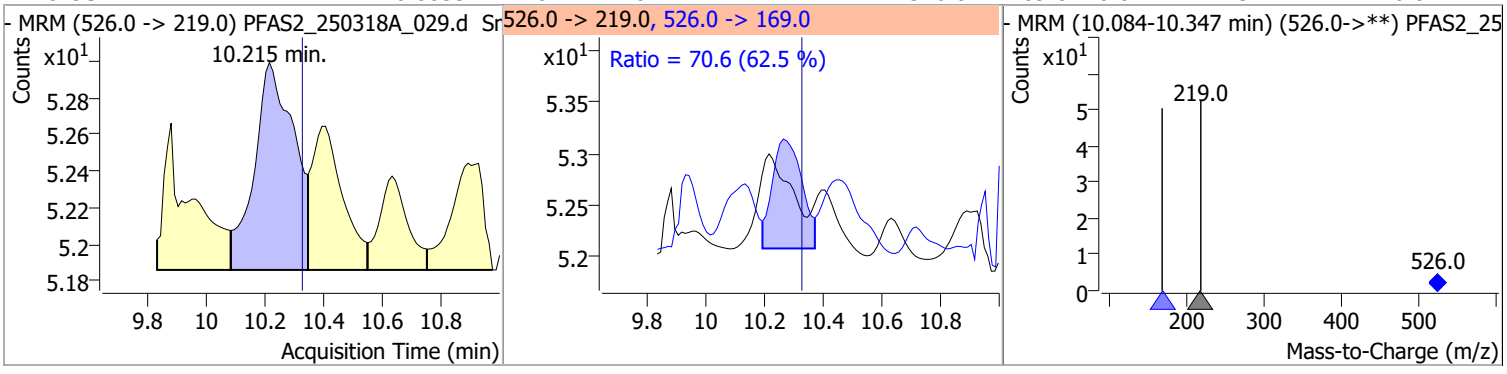
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0335	10.22	0.01	44				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0220	10.31	0.00	8465				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0033	10.22	-0.11	11	526.0 -> 169.0	70.6	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

FD01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-06	File ID:	PFAS2_250318A_030.d
Sampled:	03/12/25 10:00	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:42
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	512.9023 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	2.79	0.47	3.12	6.24	J
2706-90-3	PFPeA		0.14	1.56	3.12	U
307-24-4	PFHxA		0.13	0.78	1.56	U
375-85-9	PFHpA		0.16	0.78	1.56	U
335-67-1	PFOA		0.12	0.78	1.56	U
375-95-1	PFNA		0.09	0.78	1.56	U
335-76-2	PFDA		0.13	0.78	1.56	U
2058-94-8	PFUnA		0.19	0.78	1.56	U
307-55-1	PFDoA		0.11	0.78	1.56	U
72629-94-8	PFTrDA		0.07	0.78	1.56	U
376-06-7	PFTeDA		0.12	0.78	1.56	U
375-73-5	PFBS	1.47	0.19	0.69	1.38	
2706-91-4	PFPeS	0.23	0.20	0.74	1.47	J
355-46-4	PFHxS	0.43	0.22	0.71	1.42	J
375-92-8	PFHpS		0.40	0.74	1.48	U
1763-23-1	PFOS	0.75	0.21	0.91	1.81	J
68259-12-1	PFNS		0.19	0.75	1.50	U
335-77-3	PFDS		0.14	0.75	1.50	U
79780-39-5	PFDoS		0.08	0.76	1.51	U
757124-72-4	4:2FTS		0.40	2.92	5.85	U
27619-97-2	6:2FTS		2.70	2.96	5.93	U
39108-34-4	8:2FTS		0.59	2.99	5.99	U
754-91-6	PFOSA		0.10	0.78	1.56	U
31506-32-8	NMeFOSA		0.25	0.78	1.56	U
4151-50-2	NEtFOSA		0.30	0.78	1.56	U
2355-31-9	NMeFOSAA		0.43	0.78	1.56	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

FD01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-06	File ID:	PFAS2_250318A_030.d
Sampled:	03/12/25 10:00	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:42
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	512.9023 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.56	U
24448-09-7	NMeFOSE		0.98	7.80	15.6	U
1691-99-2	NEtFOSE		1.23	7.80	15.6	U
13252-13-6	HFPO-DA		0.40	1.56	3.12	U
919005-14-4	ADONA		0.15	1.47	2.94	U
756426-58-1	9CL-PF3ONS		0.18	1.46	2.91	U
763051-92-9	11CL-PF3OUdS		0.30	1.47	2.94	U
356-02-5	3:3FTCA		0.64	3.12	6.24	U
914637-49-3	5:3FTCA		3.57	15.6	31.2	U
812-70-4	7:3FTCA		2.98	15.6	31.2	U
113507-82-7	PFEESA		0.17	1.39	2.78	U
377-73-1	PFMPA		0.11	1.56	3.12	U
863090-89-5	PFMBA		0.12	1.56	3.12	U
151772-58-6	NFDHA		0.44	1.56	3.12	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_030.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:42:38 PM
Sample Name	O25C0550-06	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

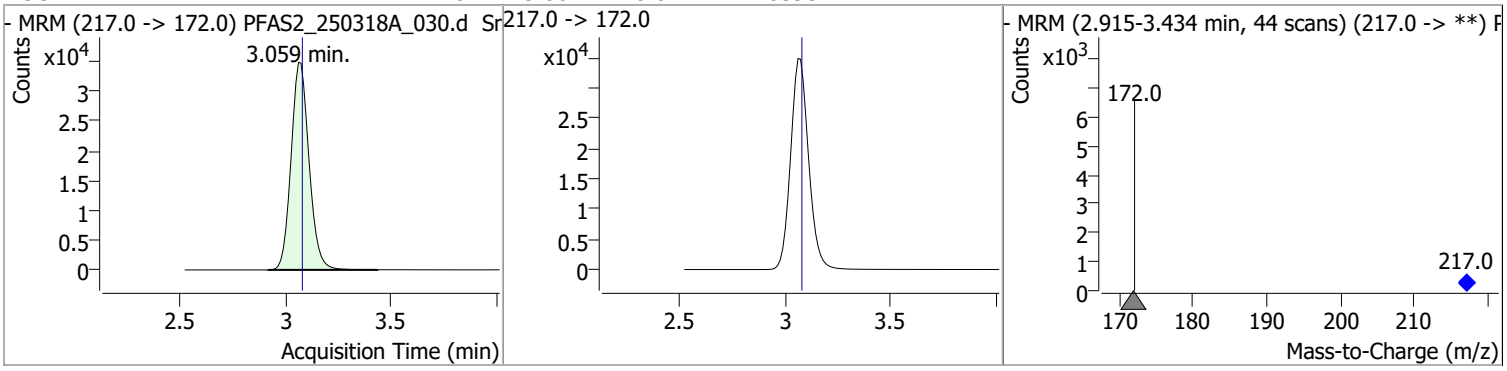
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	124619	5.0000	µg/L		-8.932
13C2-PFHxA	4.890	315.0 -> 270.0	139703	2.5000	µg/L		-8.944
18O2-PFHxS	5.955	403.0 -> 84.0	27554	2.5000	µg/L		-7.005
13C4-PFOA	5.823	417.0 -> 172.0	14695	2.5000	µg/L		-4.873
13C5-PFNA	6.226	468.0 -> 423.0	68504	1.2500	µg/L		-3.749
13C2-PFDA	6.603	515.0 -> 470.0	64288	1.2500	µg/L		-3.871
13C4-PFOS	6.771	503.0 -> 80.0	22997	2.5000	µg/L		-7.678
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	205937	10.0000	µg/L		-33.746
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 72.72%			
13C5-PFPeA	4.222	268.0 -> 223.0	179081	5.0000	µg/L		-13.454
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.05%			
13C5-PFPeA	4.222	268.0 -> 223.0	179081	5.0000	µg/L		-13.454
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.05%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	26509	5.0000	µg/L		4.926
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.29%			
13C5-PFHxA	4.901	318.0 -> 273.0	137241	2.5000	µg/L		-18.717
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.25%			
13C5-PFHxA	4.901	318.0 -> 273.0	137241	2.5000	µg/L		-18.717
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.25%			
13C3-PFBS	4.929	302.0 -> 80.0	48335	2.5000	µg/L		-20.402
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.69%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	158909	10.0000	µg/L		-9.076
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.85%			
13C4-PFHpA	5.397	367.0 -> 322.0	168682	2.5000	µg/L		-10.697
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.11%			
13C3-PFHxS	5.956	402.0 -> 80.0	28886	2.5000	µg/L		-17.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.91%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15219	5.0000	µg/L	#	3.052
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.94%			
13C8-PFOA	5.823	421.0 -> 376.0	154355	2.5000	µg/L		-10.643
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C3-PFHxS	5.956	402.0 -> 80.0	28886	2.5000	µg/L		-17.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.91%			
13C9-PFNA	6.225	472.0 -> 427.0	67281	1.2500	µg/L		-4.517
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.16%			
13C8-PFOS	6.771	507.0 -> 80.0	21074	2.5000	µg/L		-16.650
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.32%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10453	5.0000	µg/L	#	-11.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.77%			
13C6-PFDA	6.603	519.0 -> 474.0	61993	1.2500	µg/L		-8.780
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.80%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47966	5.0000	µg/L		-14.068
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.97%			
13C8-PFOS	6.771	507.0 -> 80.0	21074	2.5000	µg/L		-16.650

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.32%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36069	5.0000	µg/L		-14.467
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49583	1.2500	µg/L		-7.500
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.21%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	33073	1.2500	µg/L		-25.030
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 77.86%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35468	1.2500	µg/L		-11.209
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.38%			
13C2-PFTDA	8.080	715.0 -> 670.0	30679	1.2500	µg/L		-36.463
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 65.89%			
13C8-PFOSA	8.780	506.0 -> 78.0	30394	2.5000	µg/L		-17.768
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.89%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62210	25.0000	µg/L		-50.487
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.67%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8089	2.5000	µg/L		-21.992
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
2H9-EtFOSE	10.185	639.1 -> 59.0	49940	25.0000	µg/L		-21.365
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.14%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8735	2.5000	µg/L		-22.291
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.18%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	3706	0.2861	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.766	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.465	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.858	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.930	298.9 -> 80.0	3018	0.1505	µg/L		97
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.225	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	370	0.0237	µg/L		95
DONA	5.564	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	0.000		0	N.D.			
PFOA	5.824	413.0 -> 369.0	0	0.0000	µg/L	md	
PFHxS	5.957	398.9 -> 80.0	498	0.0443	µg/L		95
PFNA	6.190	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.335	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.282	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.216	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.604	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	391	0.0773	µg/L		82
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.967	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.016	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.159	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.356	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.381	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.593	663.0 -> 619.0	0	0.0000	µg/L	md	

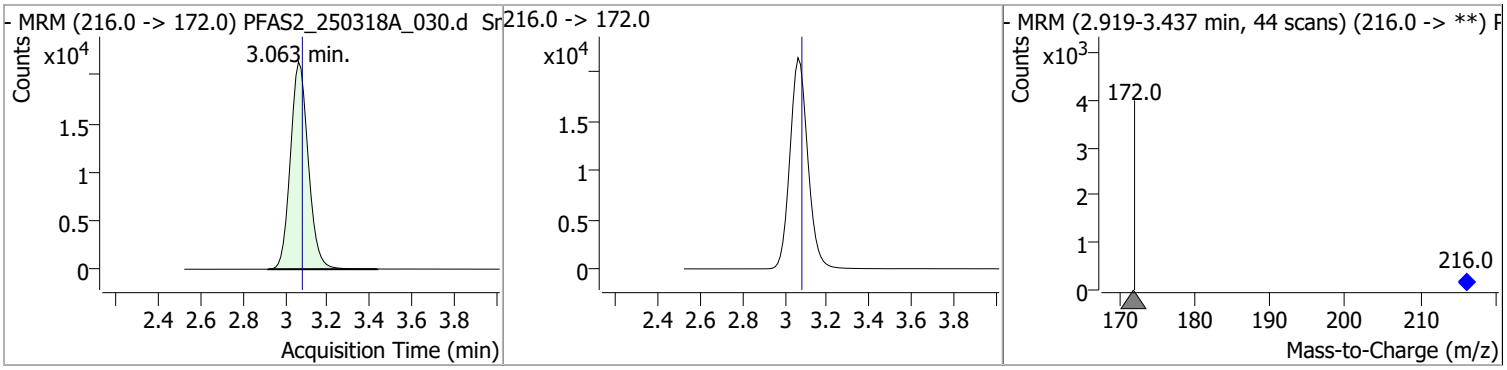
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.847	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	7.592	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.096	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	0	0.0000	µg/L	md	
N-MeFOSA	10.326	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	21	0.0214	µg/L		100
N-EtFOSA	10.335	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

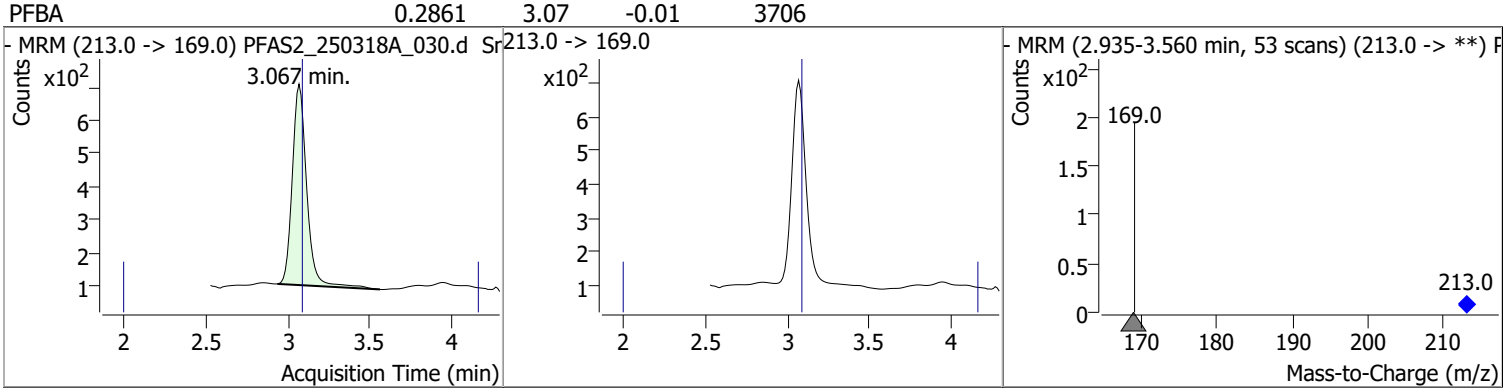
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.2720	3.06	-0.01	205937				



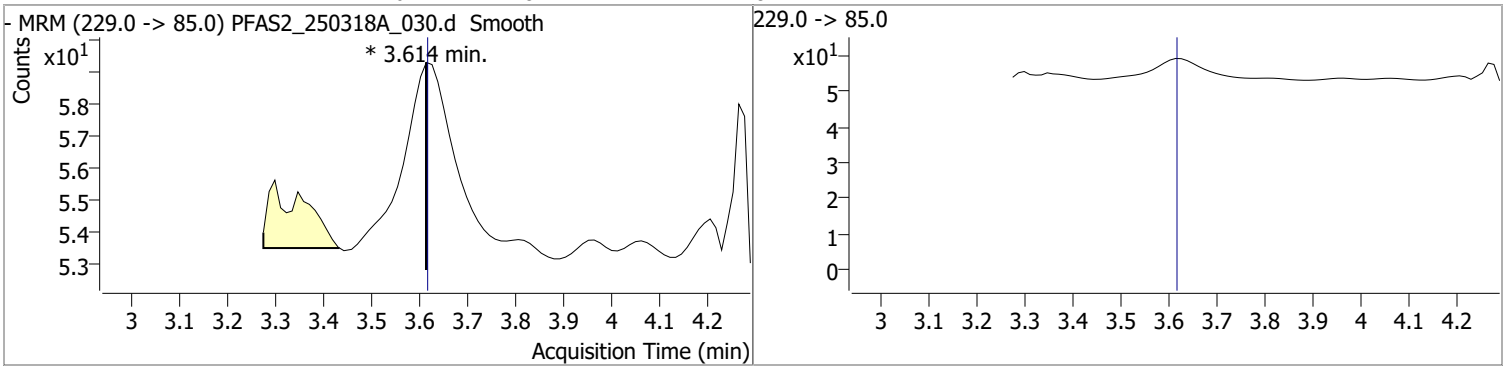
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	124619				



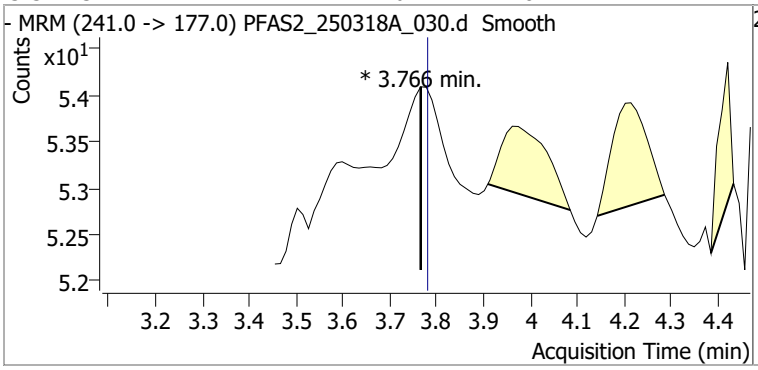
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.2861	3.07	-0.01	3706				

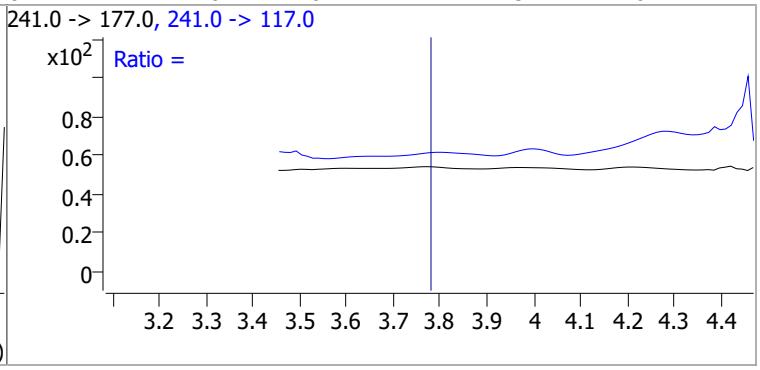


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

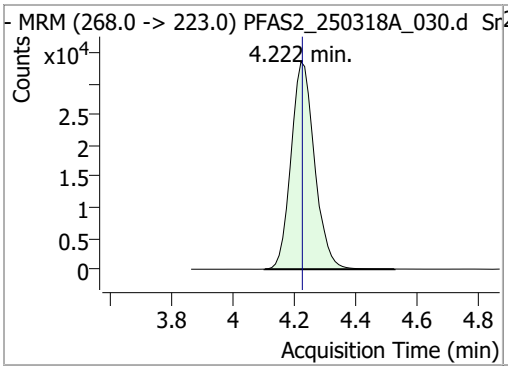


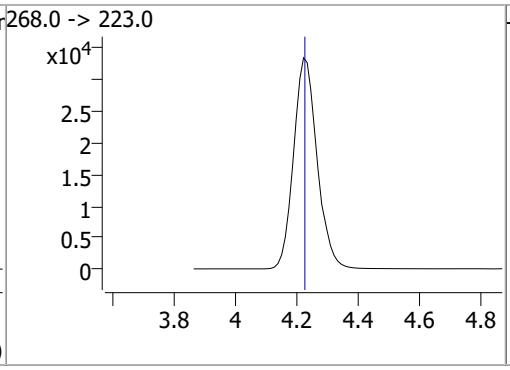
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

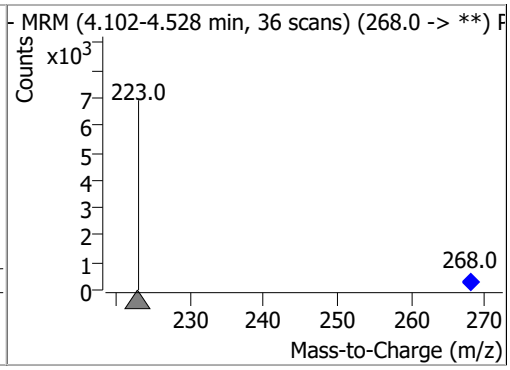




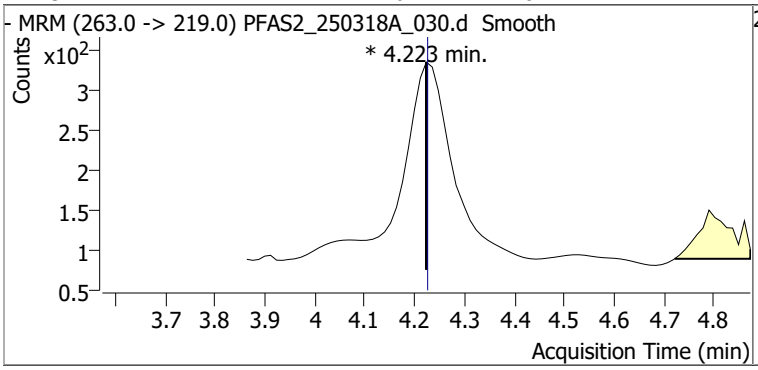
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7526	4.22	0.00	179081				

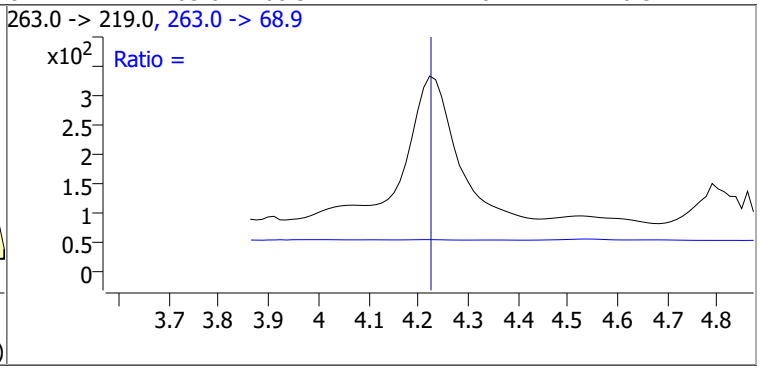




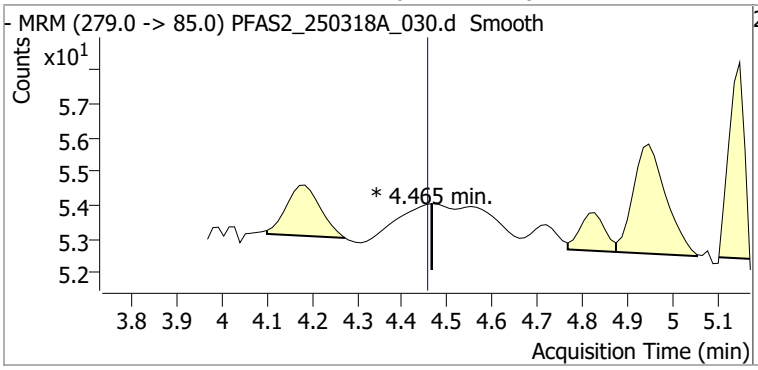


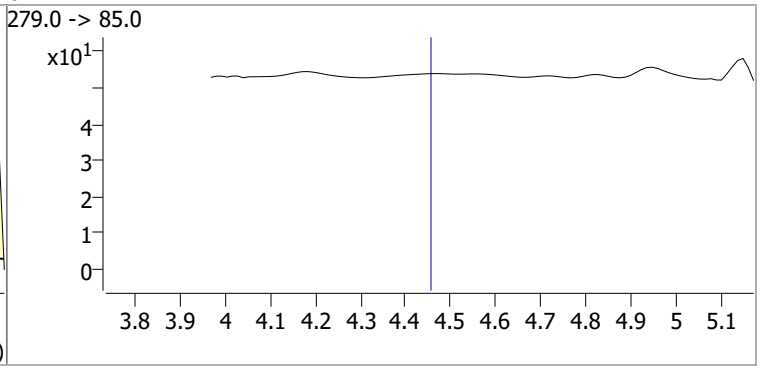
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



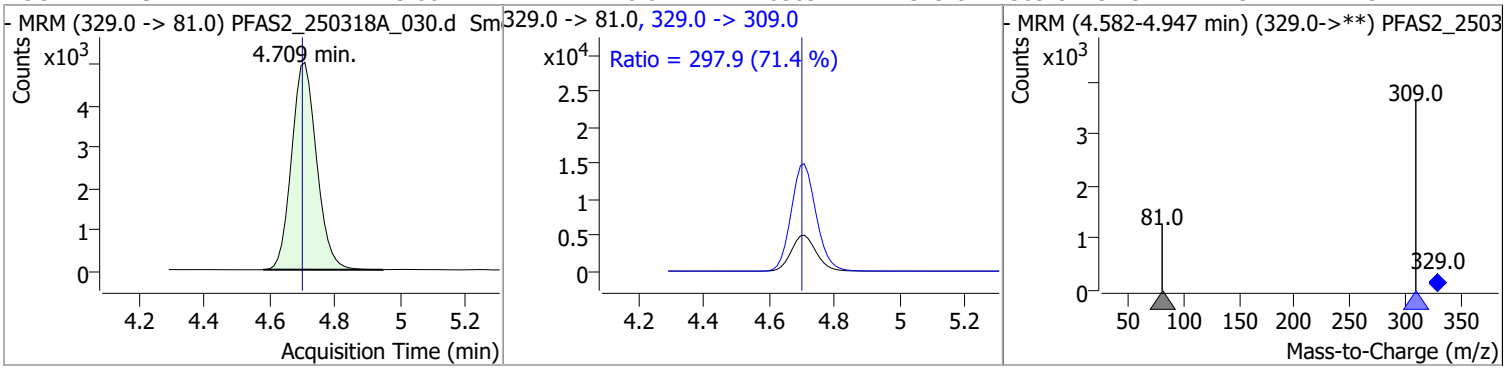


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

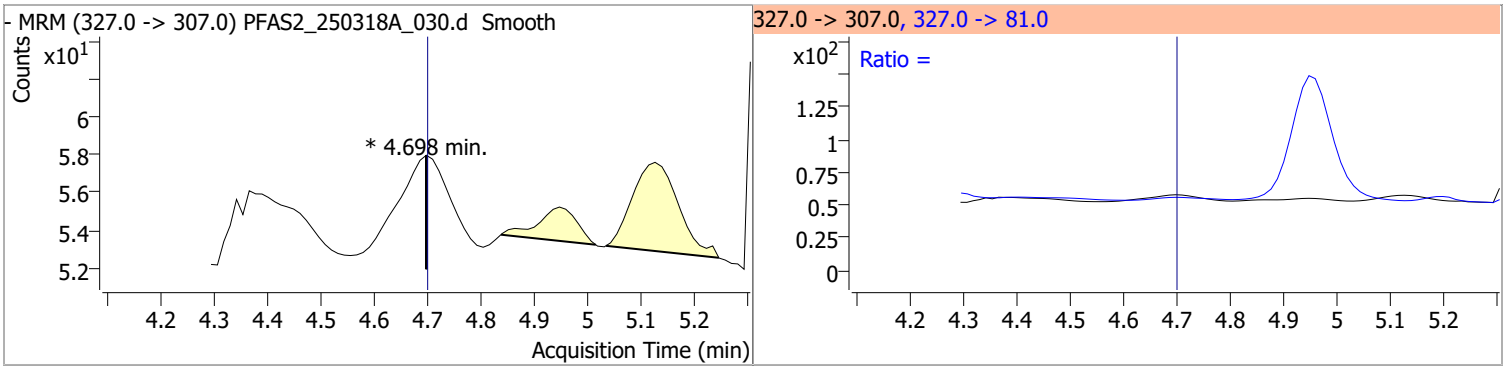




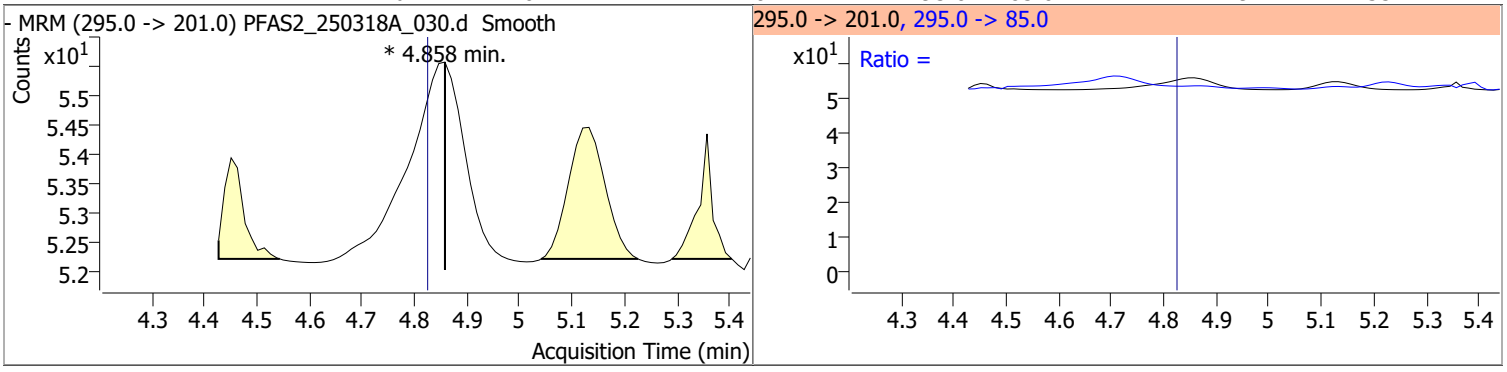
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6644	4.71	0.01	26509	329.0 -> 309.0	297.9	292.1	542.4



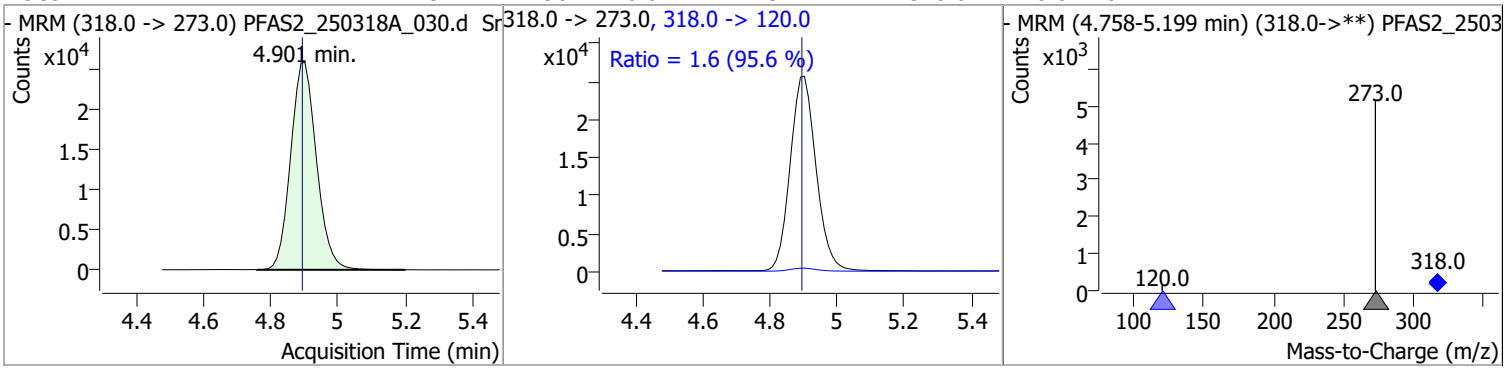
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



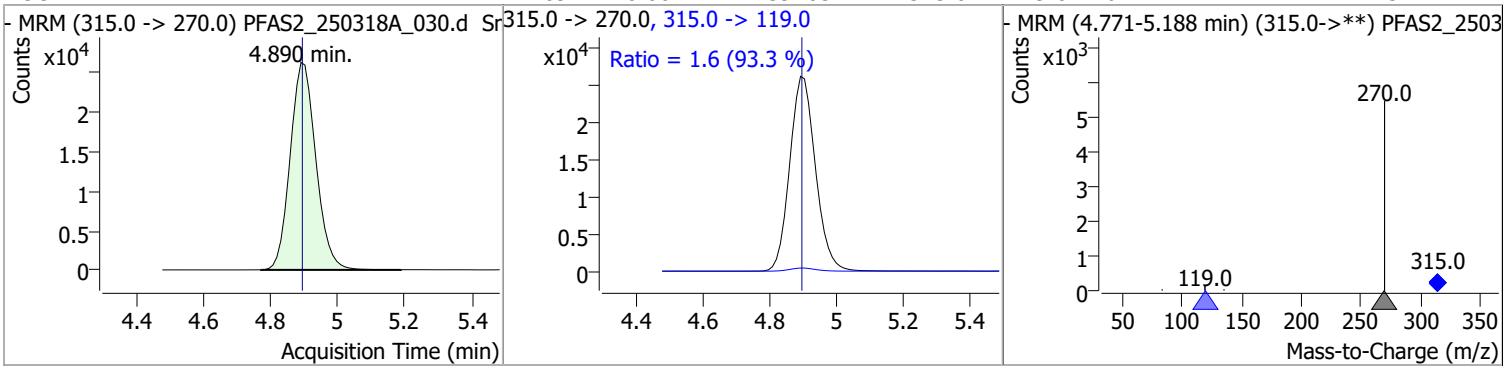
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



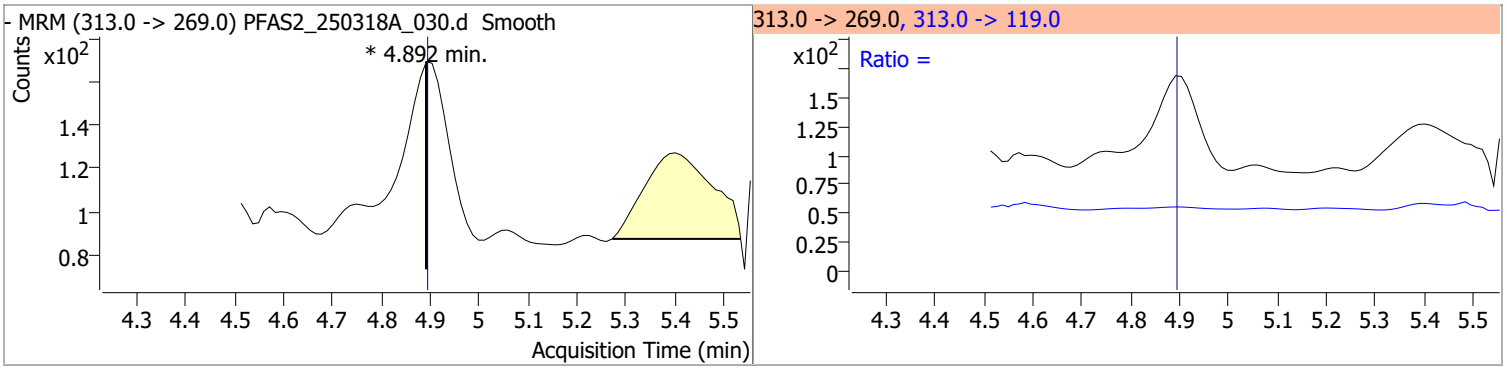
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2312	4.90	0.01	137241	318.0 -> 120.0	1.6	1.1	2.1



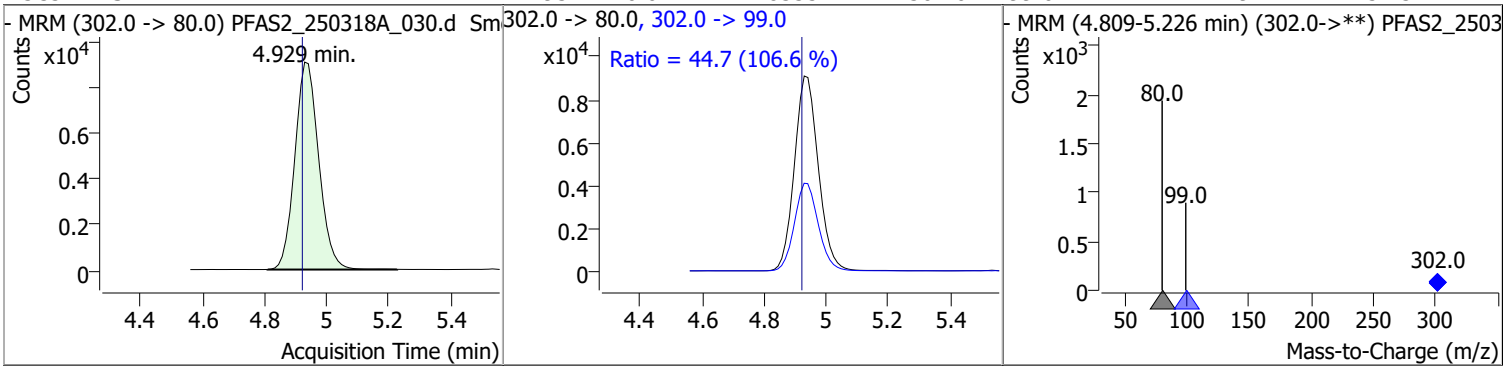
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	139703	315.0 -> 119.0	1.6	1.2	2.3



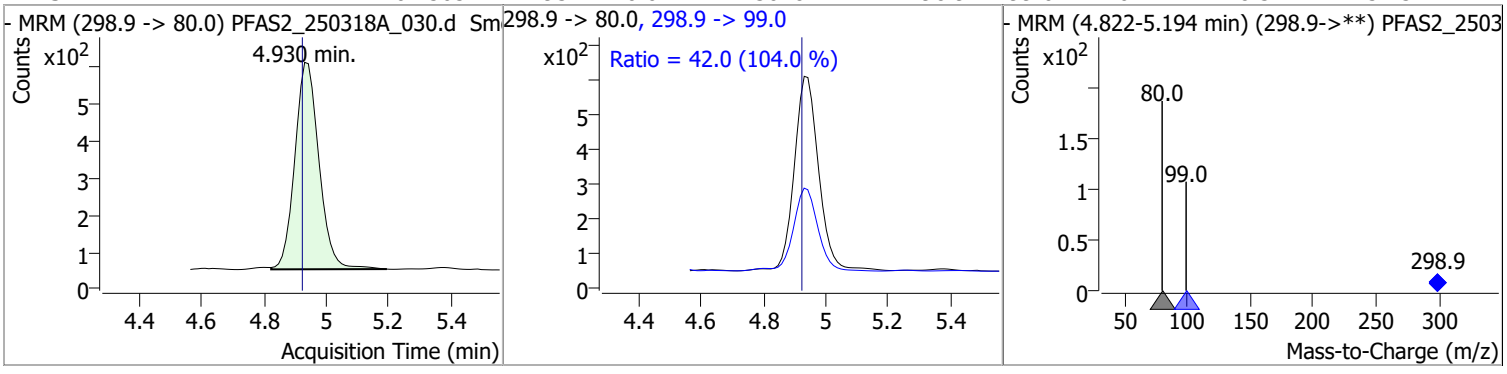
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



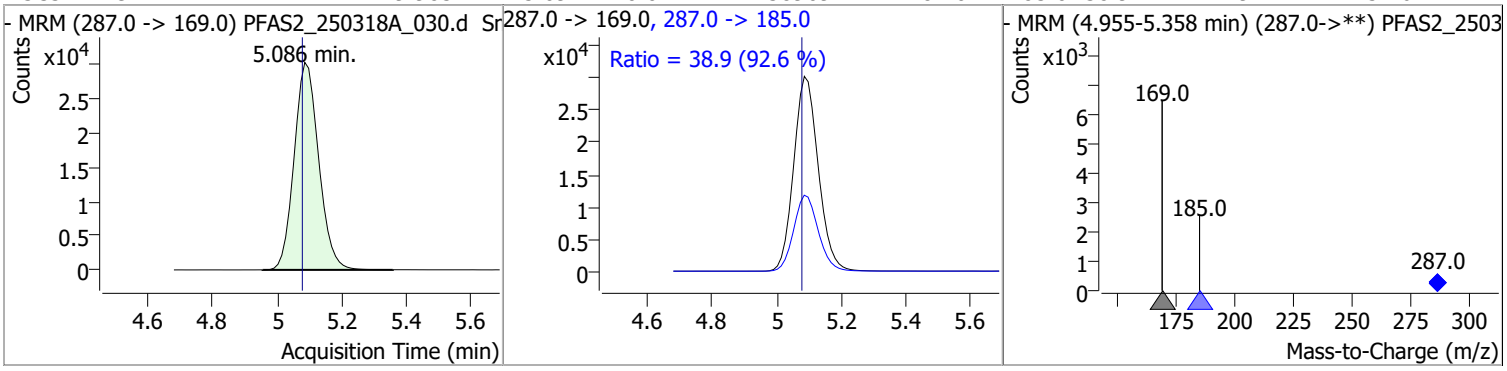
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1421	4.93	0.01	48335	302.0 -> 99.0	44.7	29.4	54.5



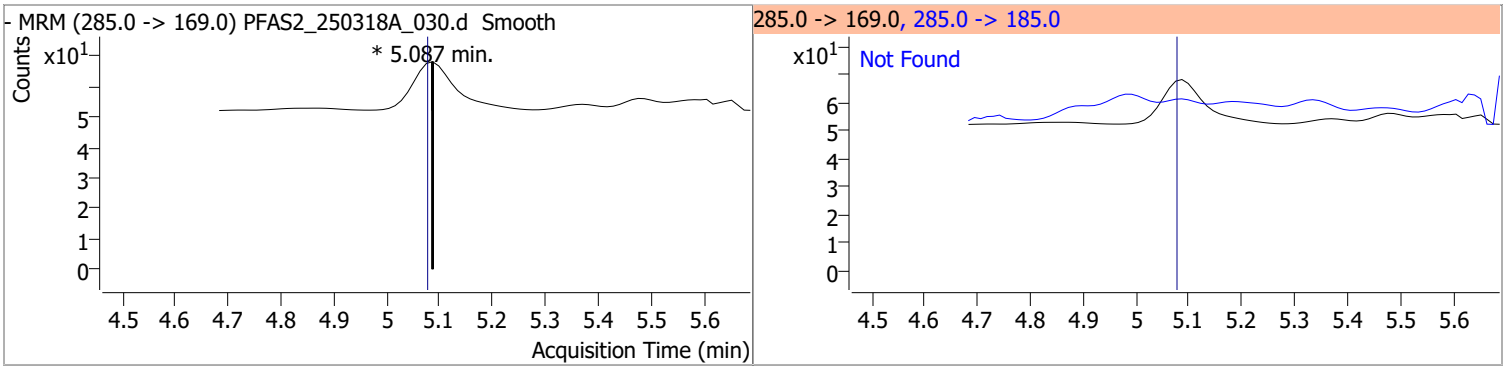
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1505	4.93	0.01	3018	298.9 -> 99.0	42.0	28.3	52.5



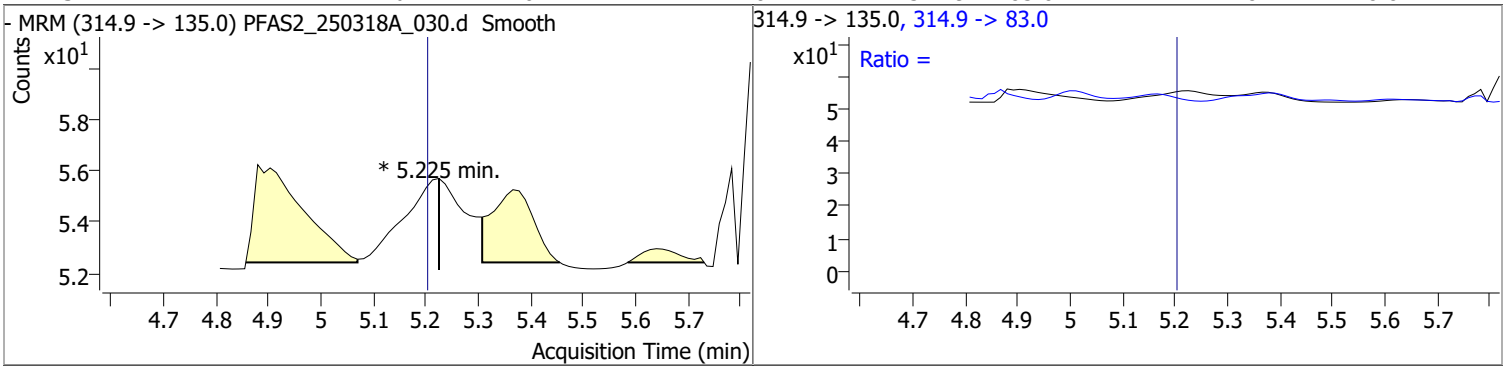
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9851	5.09	0.01	158909	287.0 -> 185.0	38.9	29.4	54.6



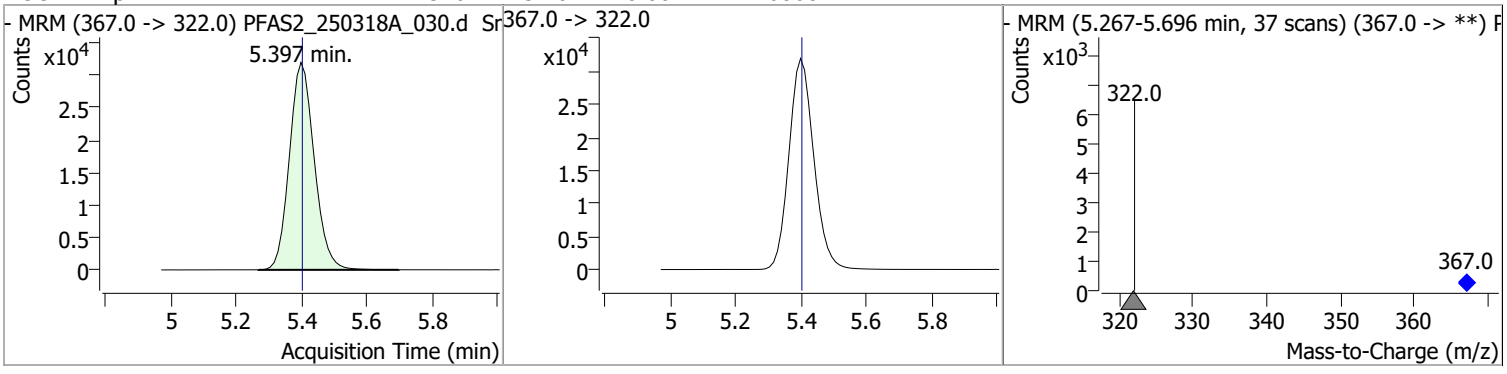
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



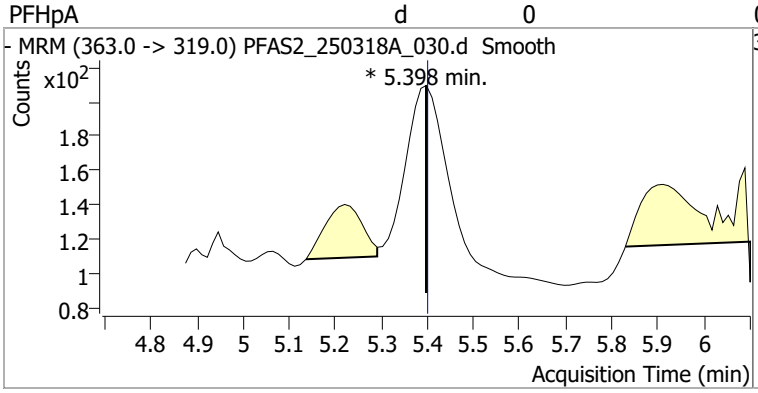
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

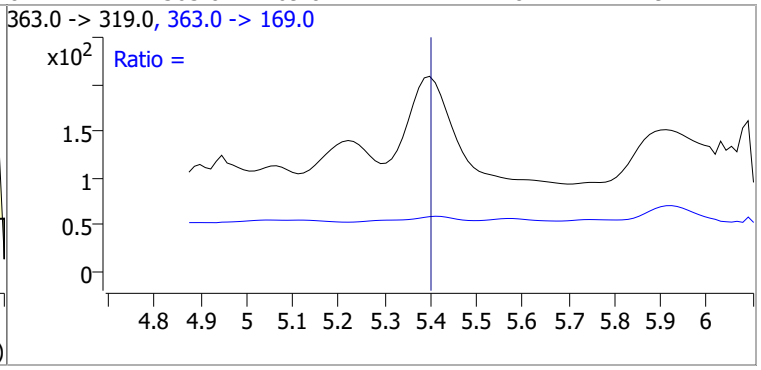


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4526	5.40	0.00	168682				

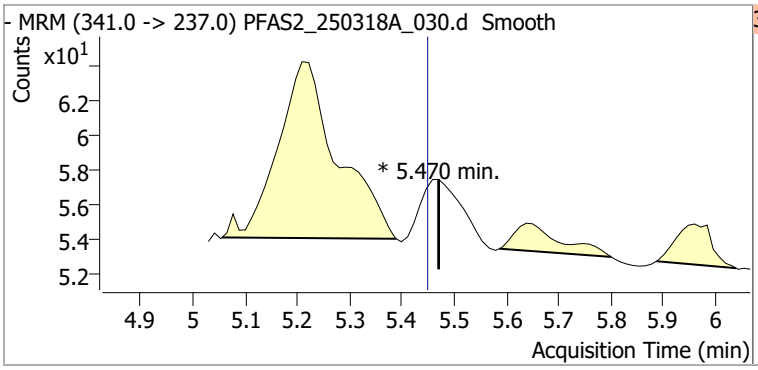


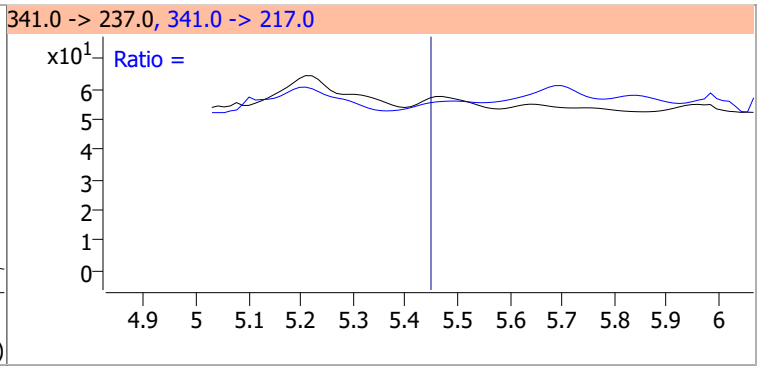
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



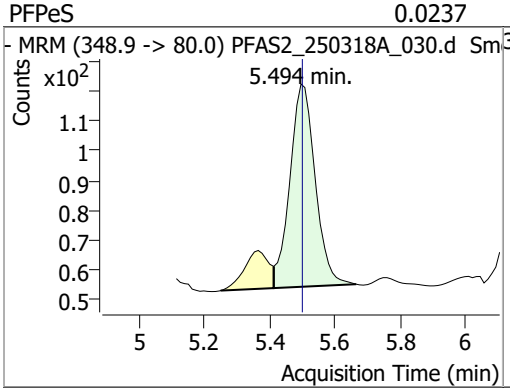


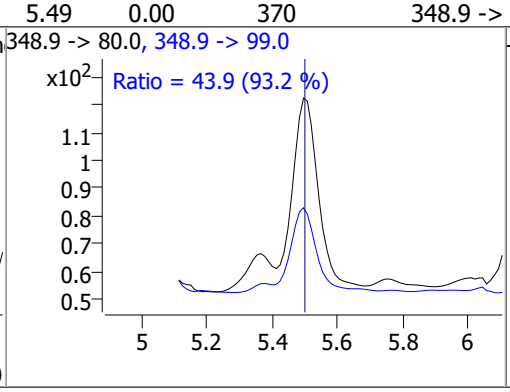
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

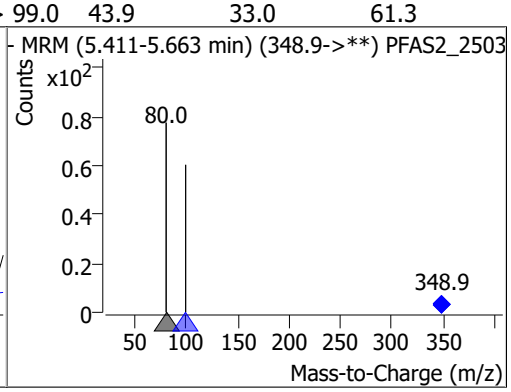




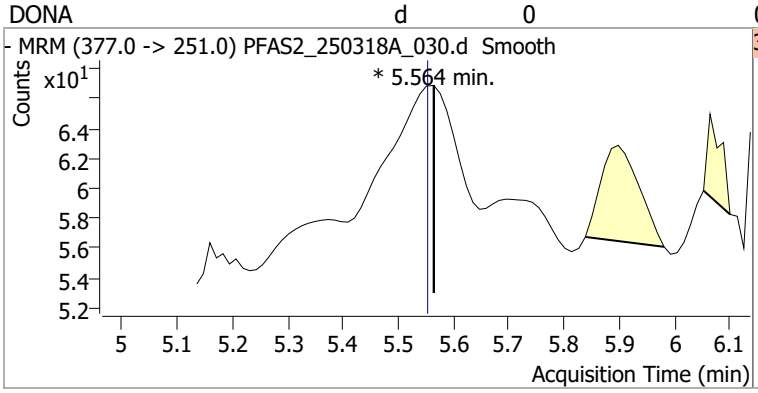
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0237	5.49	0.00	370	348.9 -> 99.0	43.9	33.0	61.3

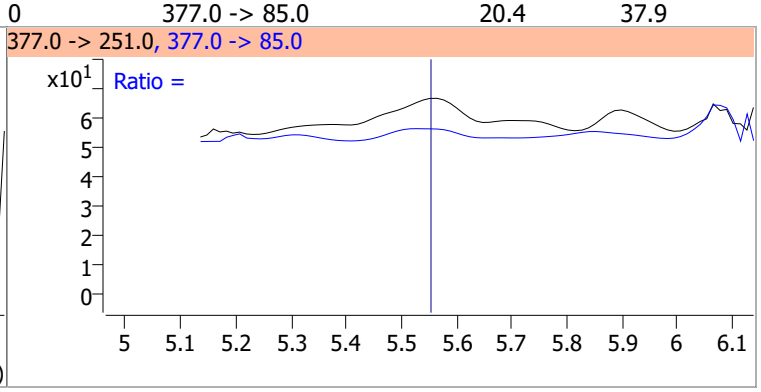






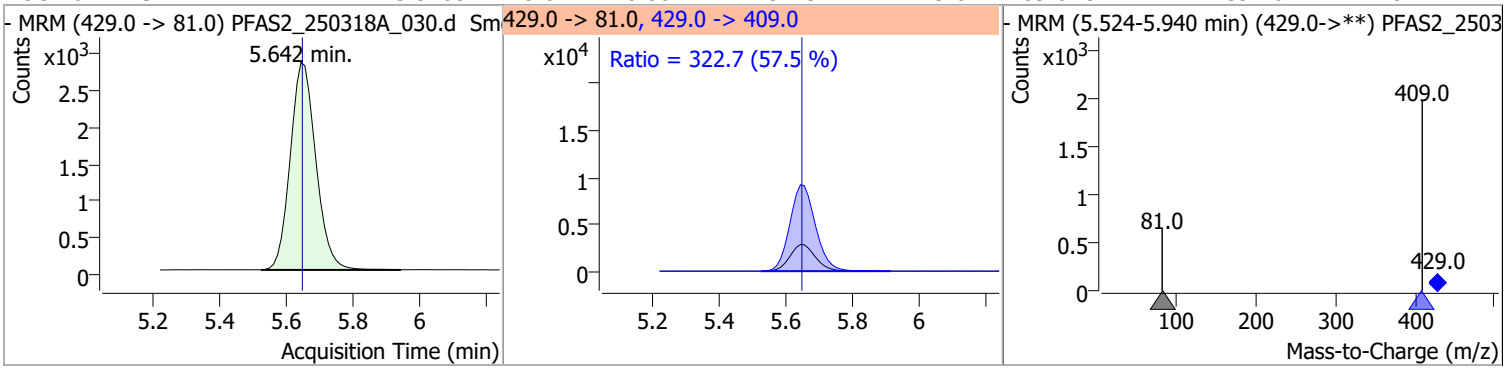
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



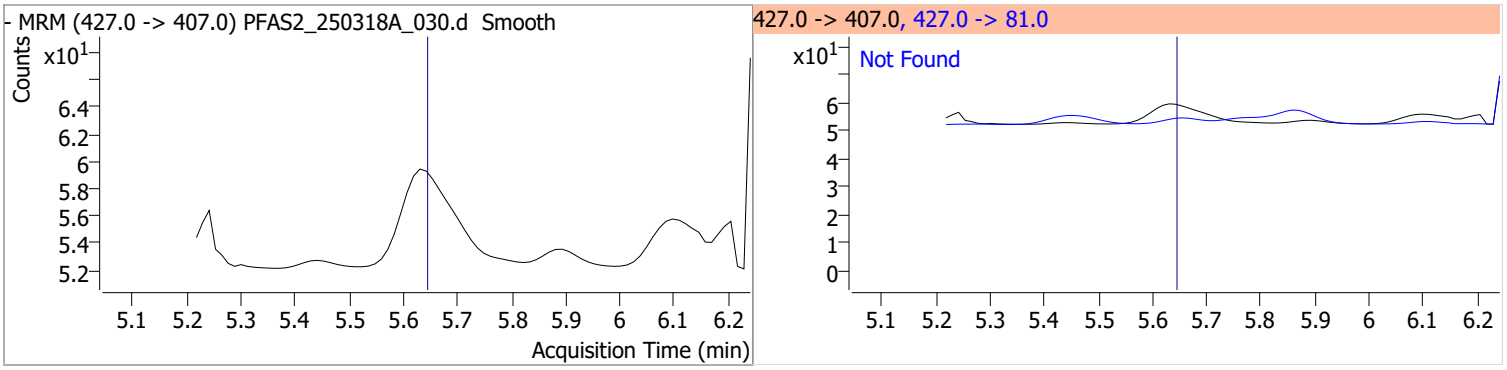


Quantitation Results Report (QT Reviewed)

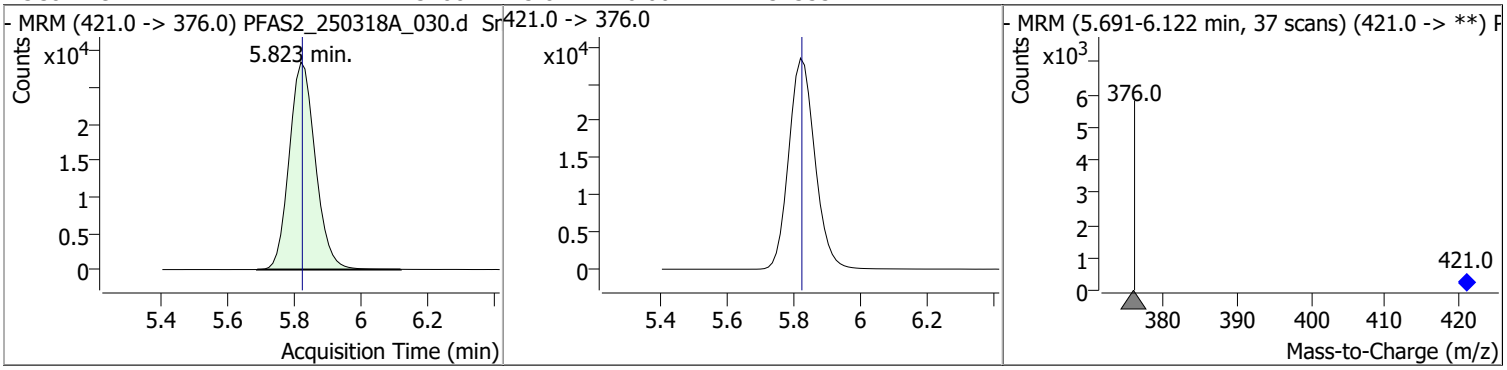
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5468	5.64	0.00	15219	429.0 -> 409.0	322.7	392.8	729.4



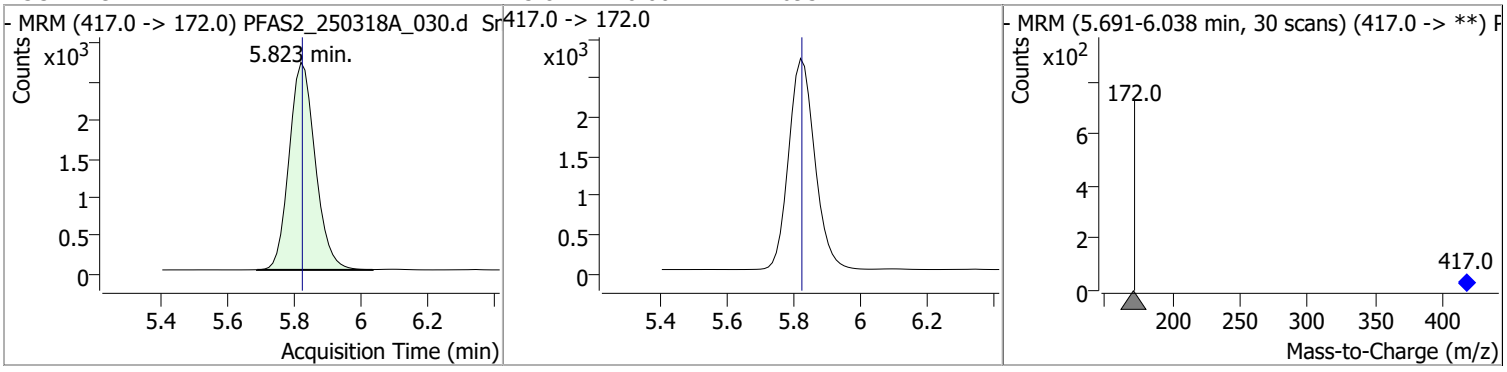
Compound	Conc.	Exp RT	QIon	Exp Ratio
6-2 FTSA	N.D.	5.64	427.0 -> 81.0	25.2



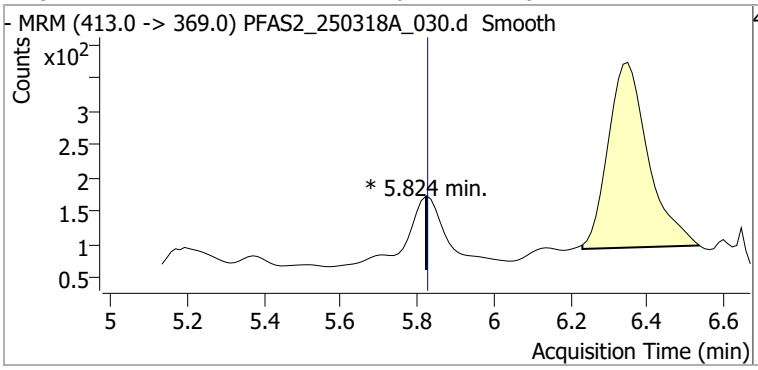
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3488	5.82	0.00	154355				

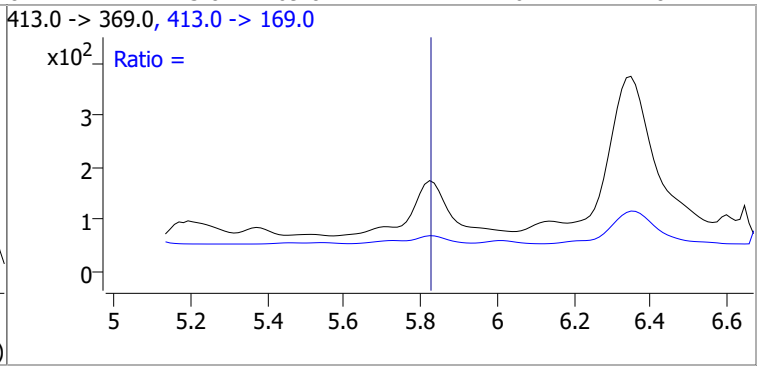


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14695				

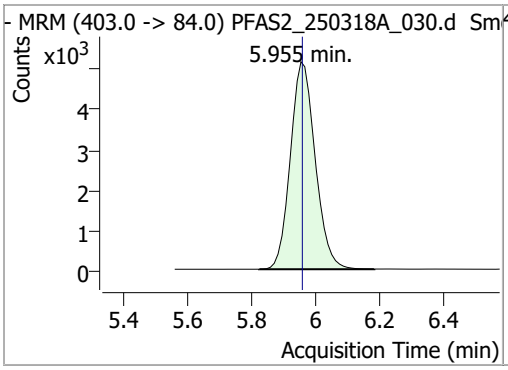


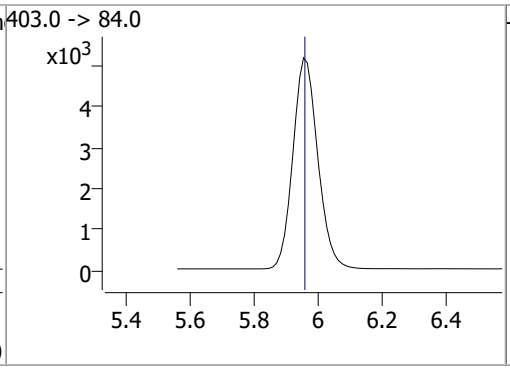
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	d	0		0	413.0 -> 169.0		14.6	27.0

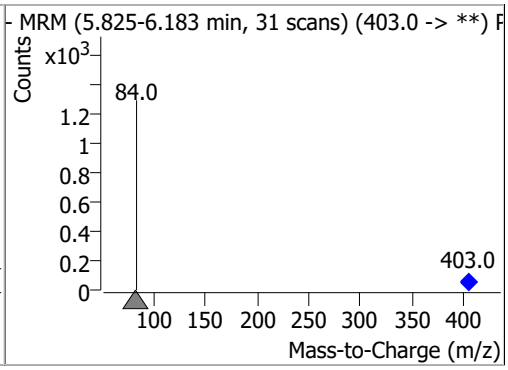




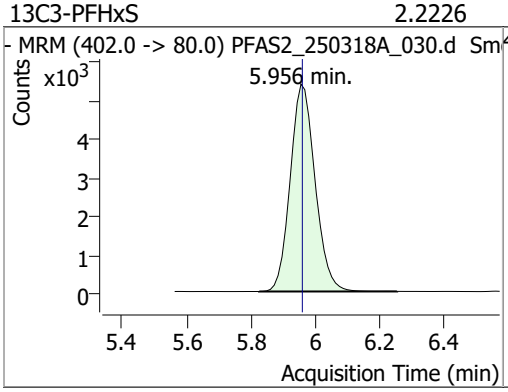
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27554				

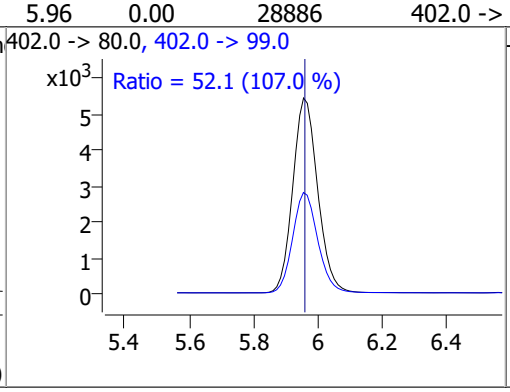


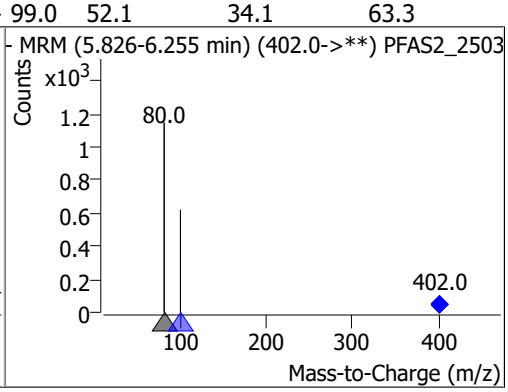




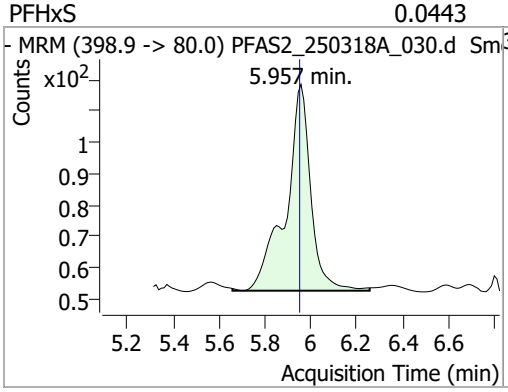
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2226	5.96	0.00	28886	402.0 -> 99.0	52.1	34.1	63.3

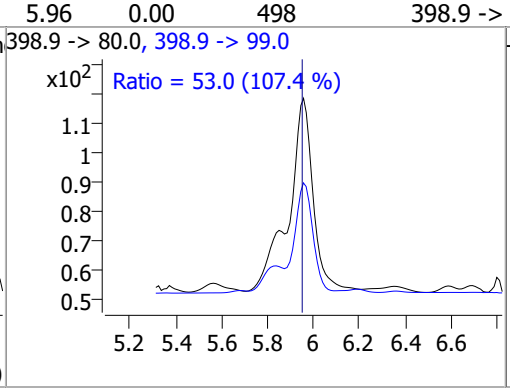


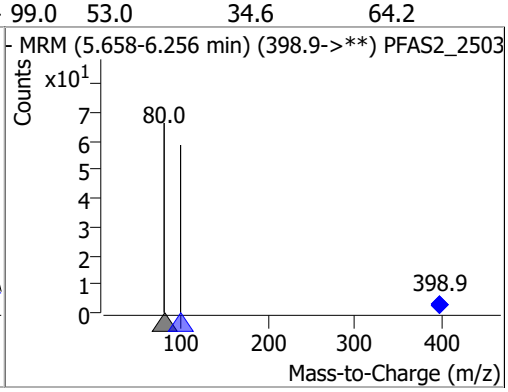




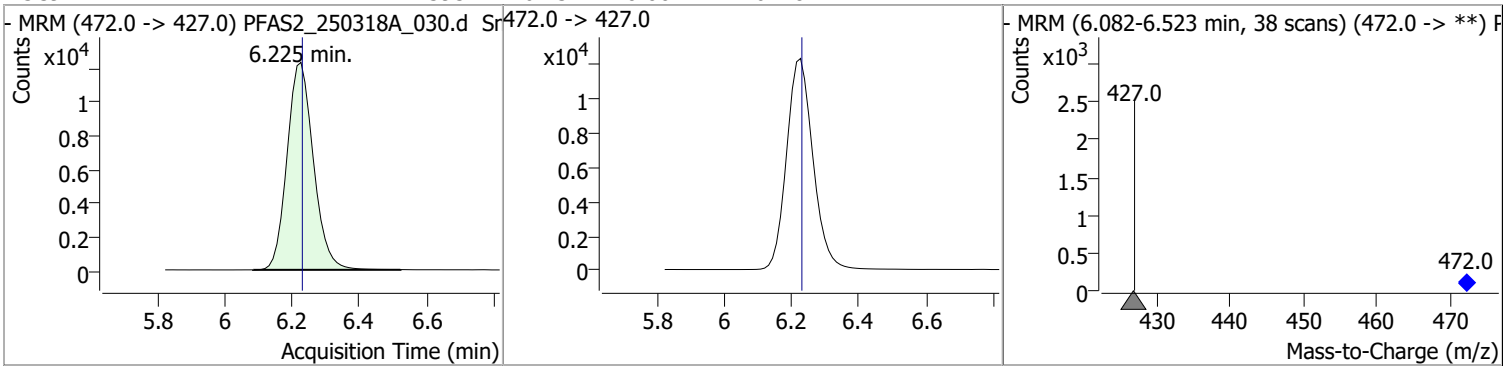
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0443	5.96	0.00	498	398.9 -> 99.0	53.0	34.6	64.2



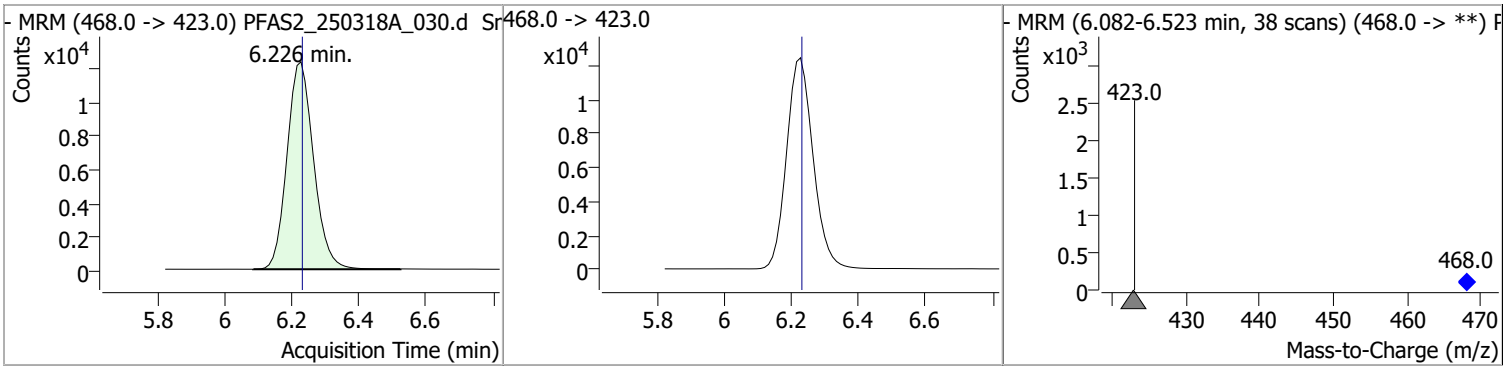




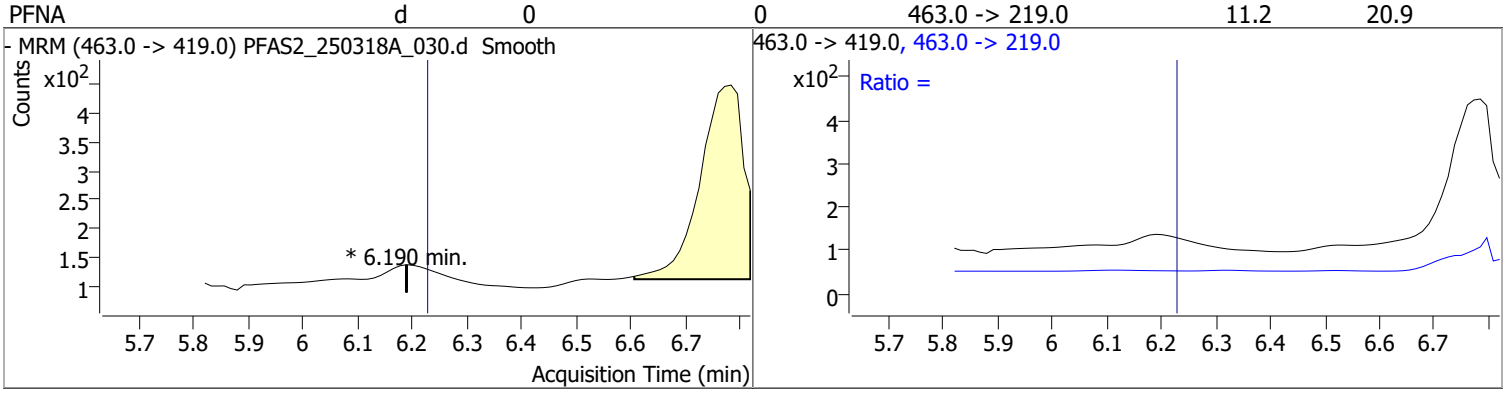
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2395	6.23	0.00	67281				



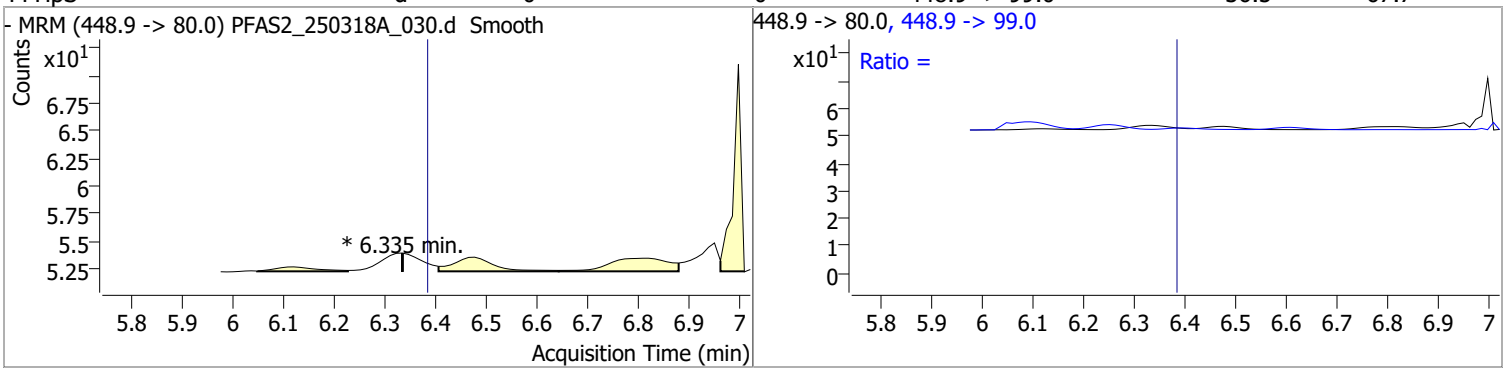
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68504				



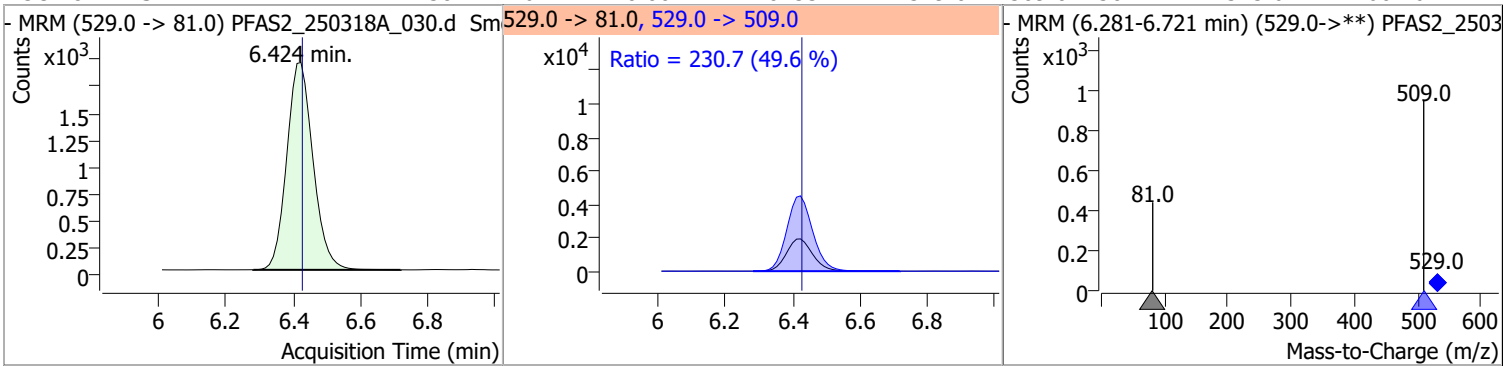
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



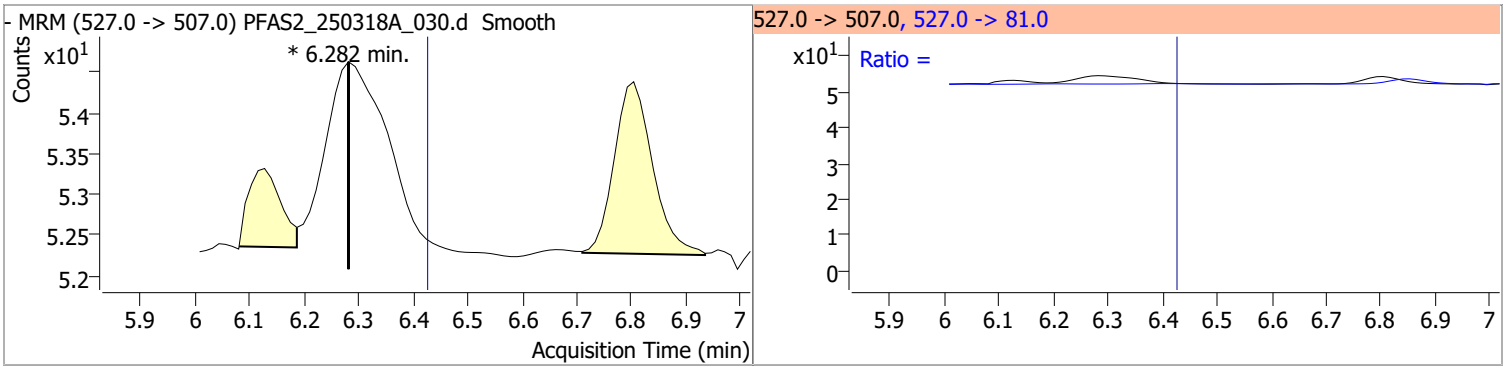
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



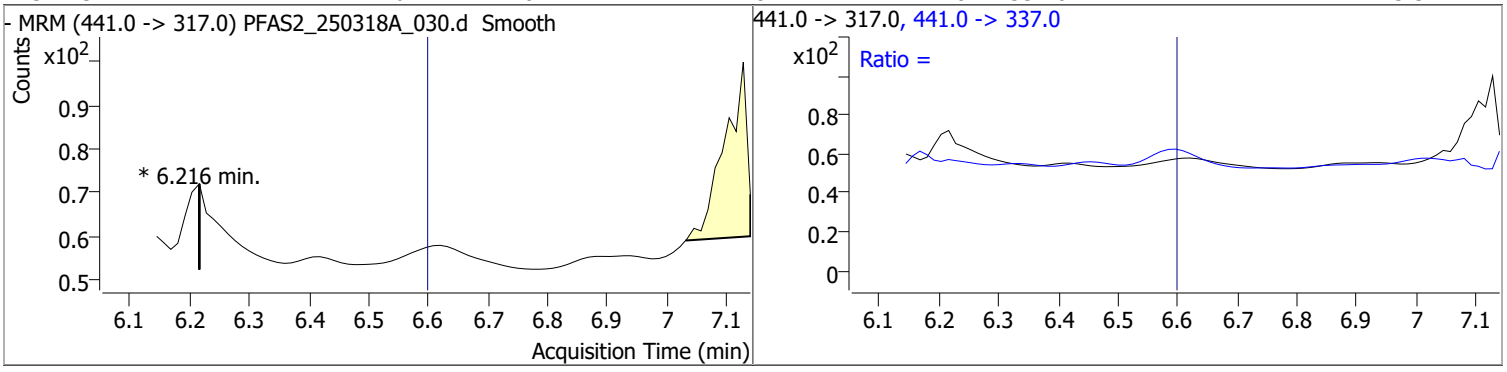
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7384	6.42	0.00	10453	529.0 -> 509.0	230.7	325.6	604.6



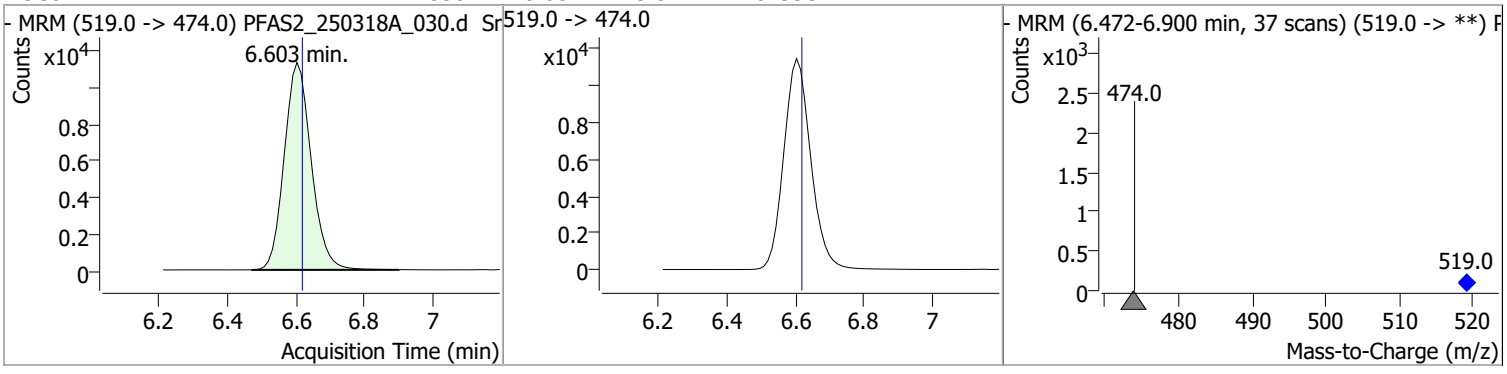
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



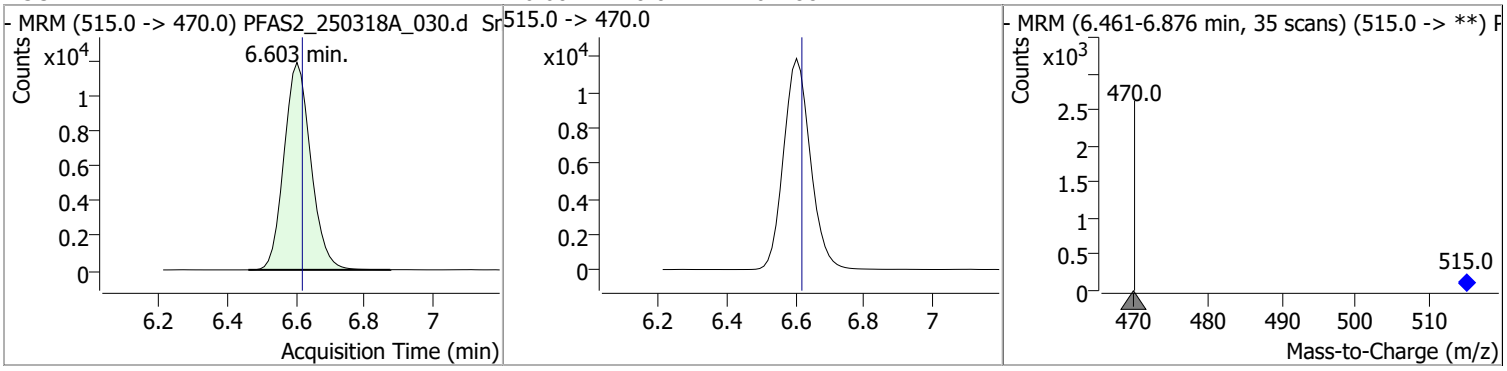
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



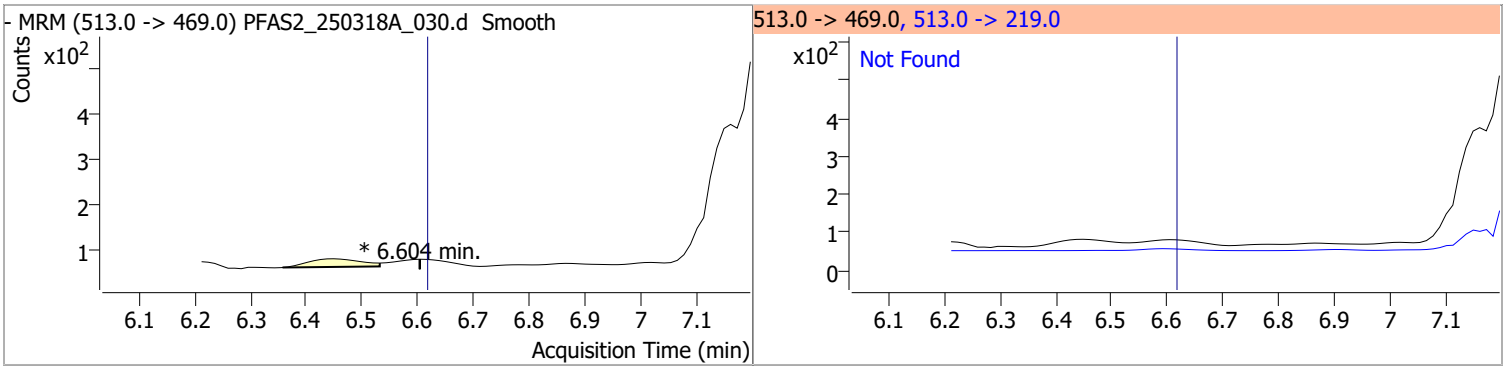
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1850	6.60	-0.01	61993				



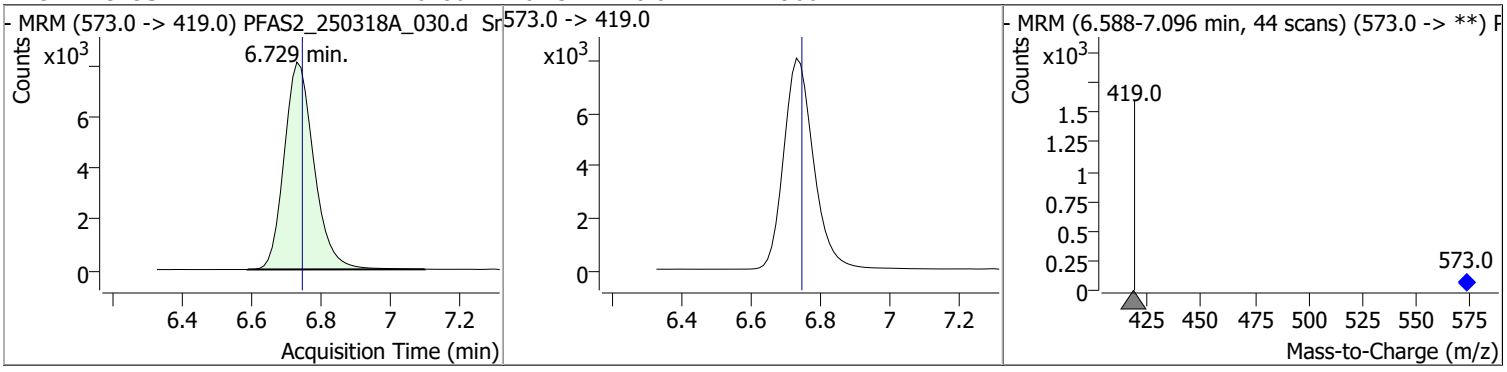
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	64288				



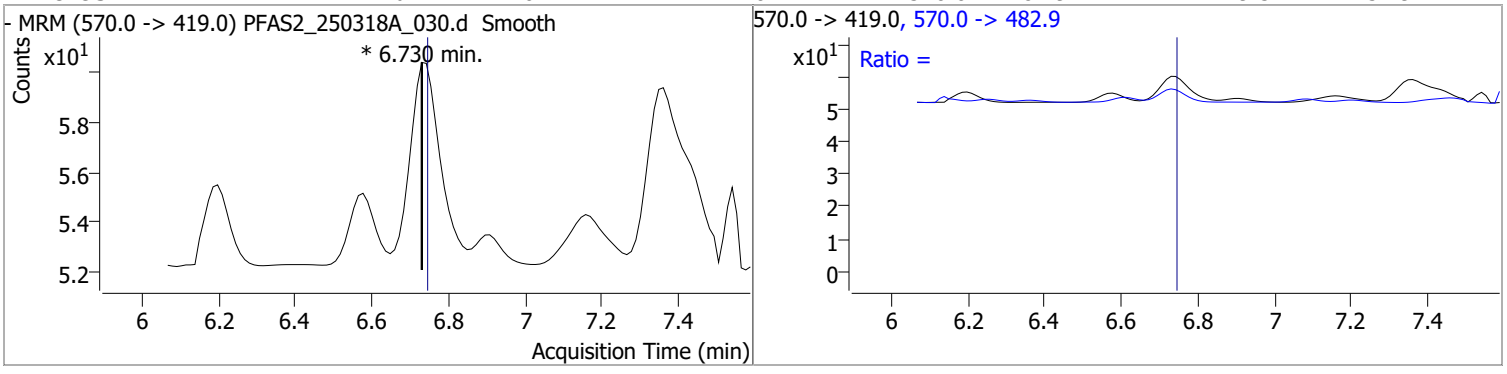
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



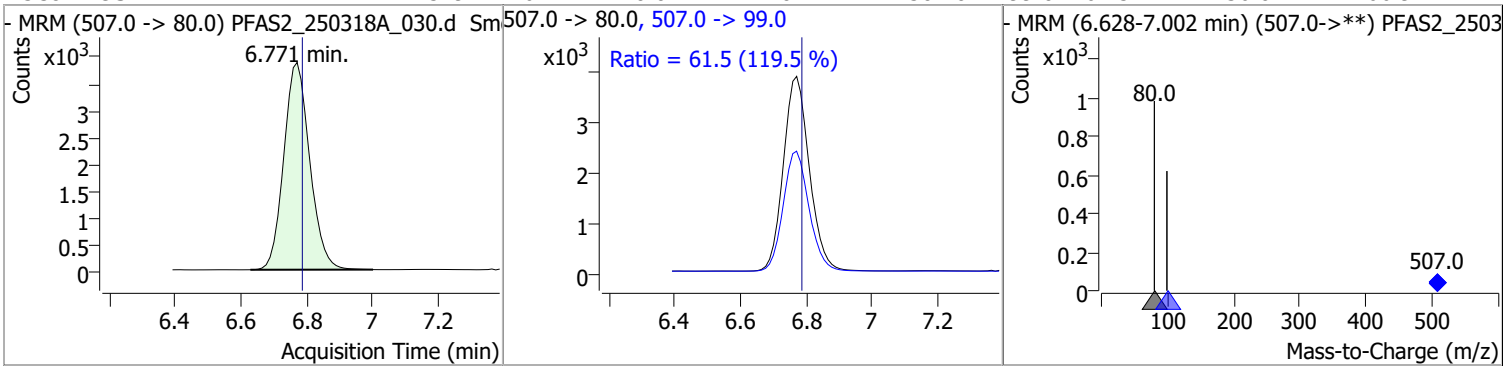
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6486	6.73	-0.01	47966				



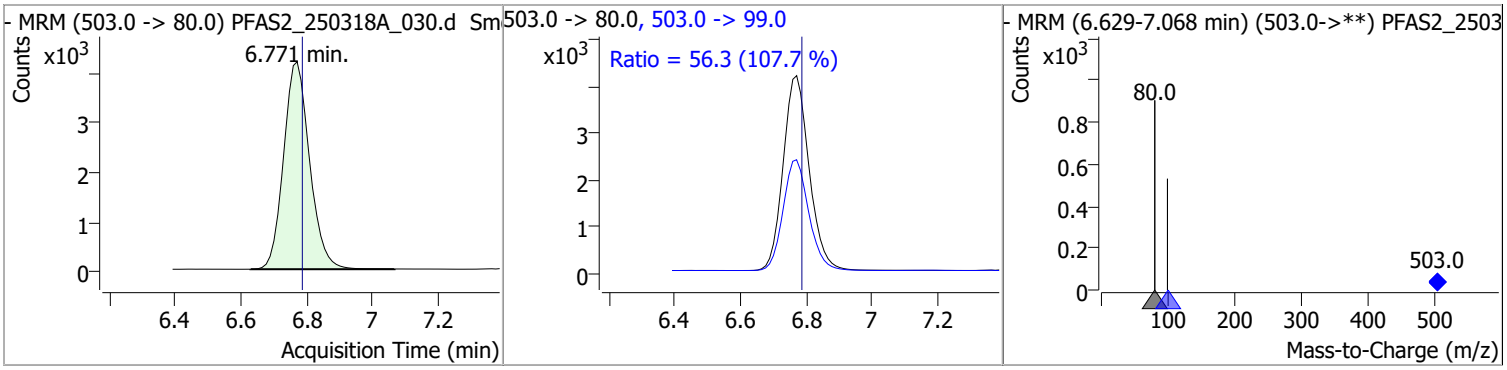
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



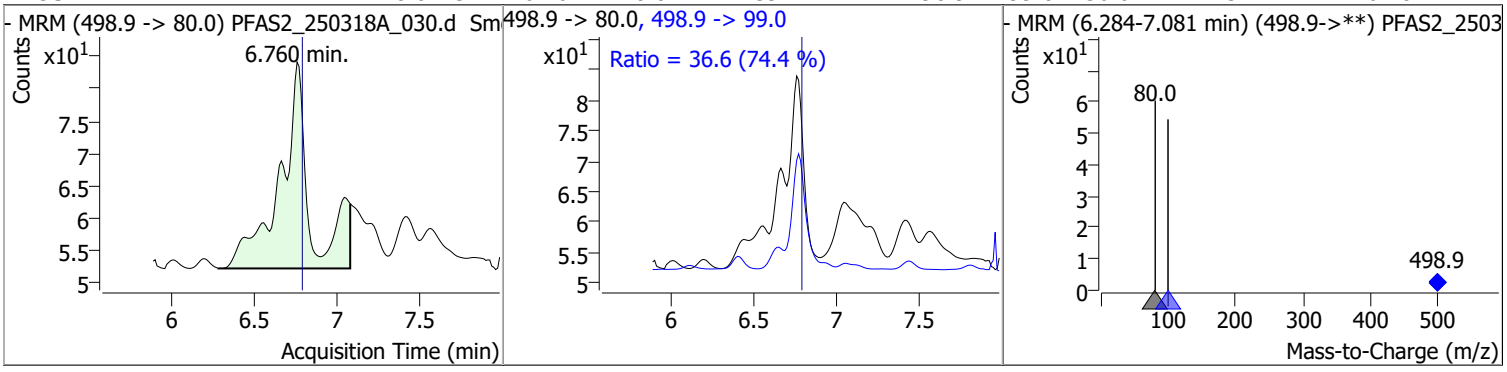
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2579	6.77	-0.01	21074	507.0 -> 99.0	61.5	36.0	66.9



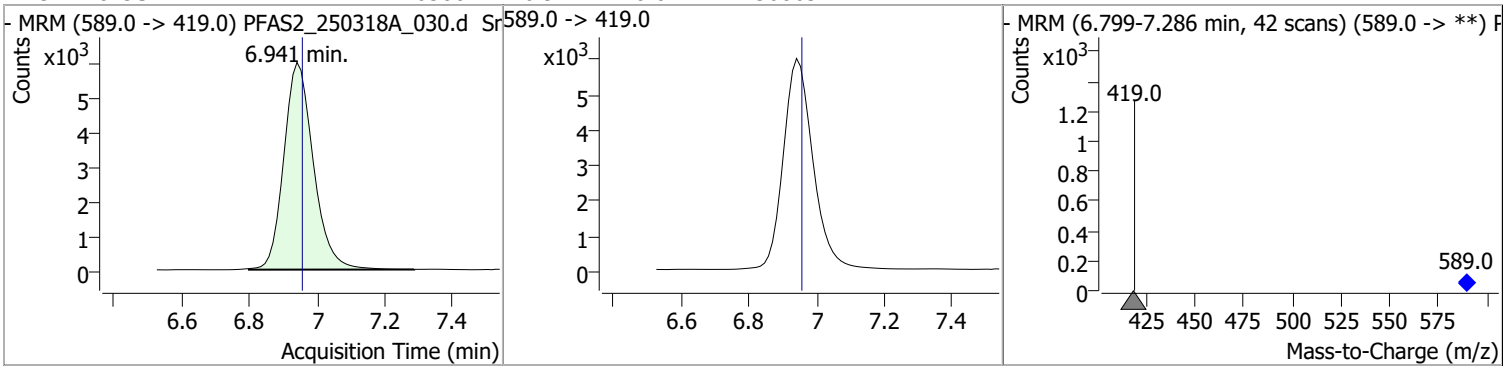
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22997	503.0 -> 99.0	56.3	36.6	67.9



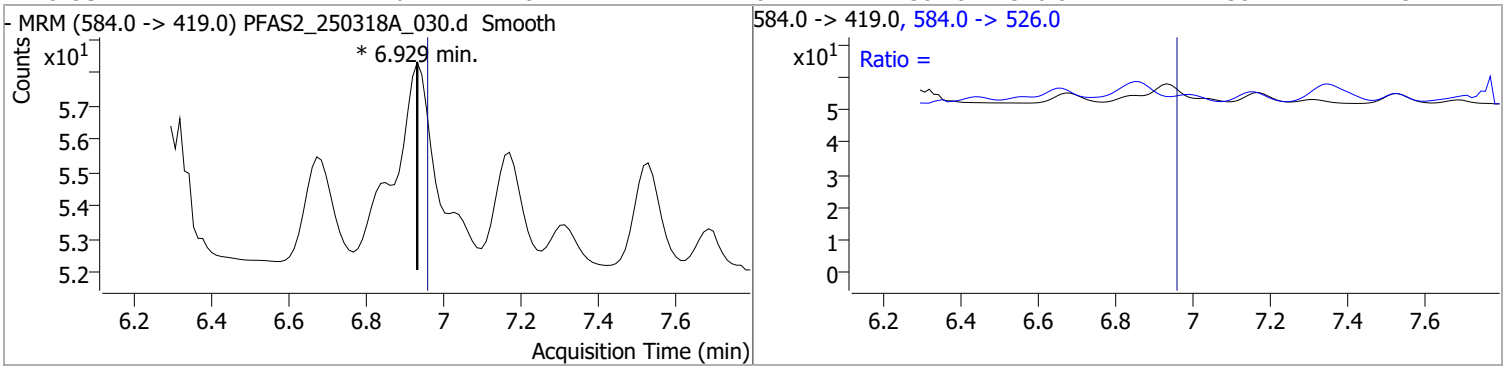
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0773	6.76	-0.02	391	498.9 -> 99.0	36.6	34.4	64.0



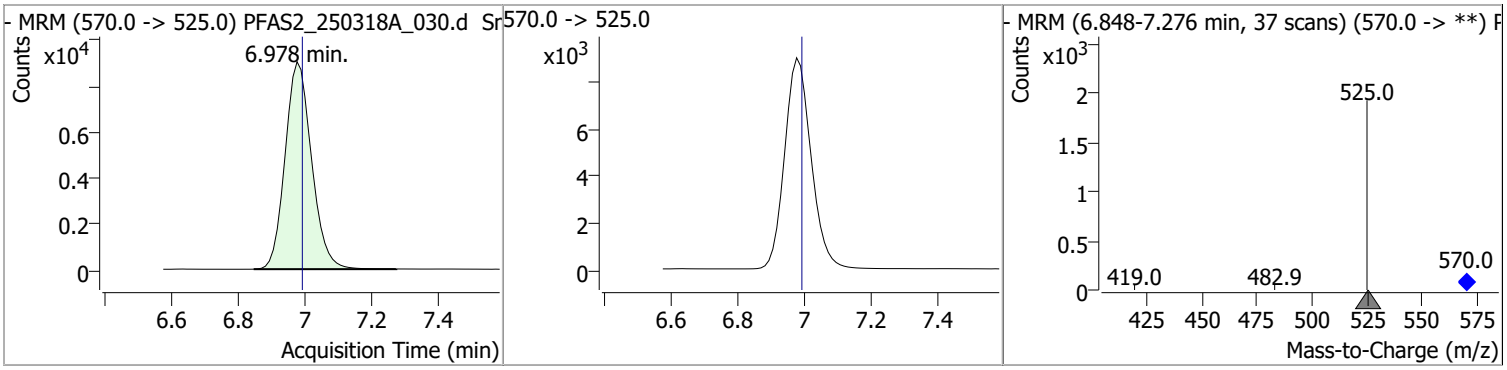
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6300	6.94	-0.01	36069				



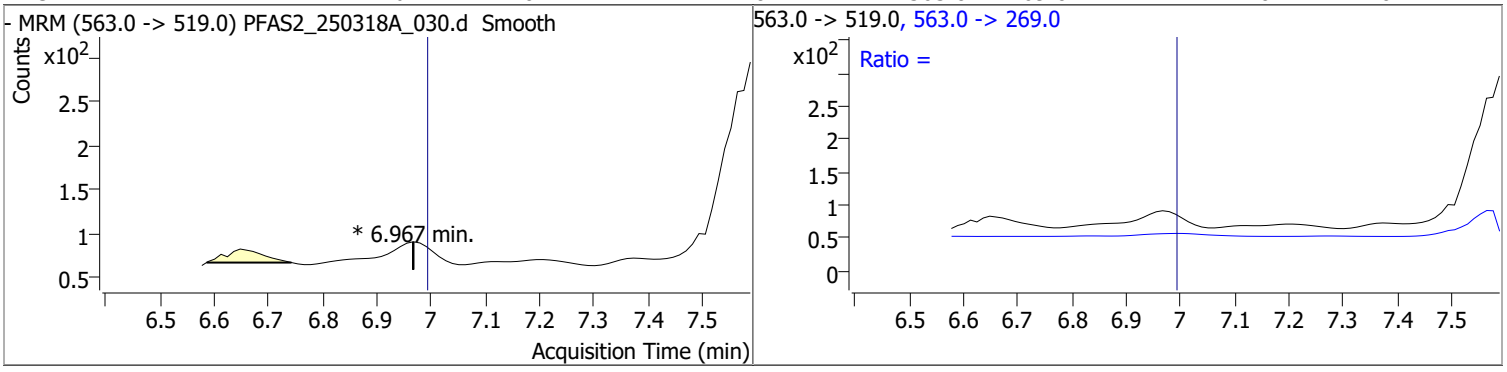
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



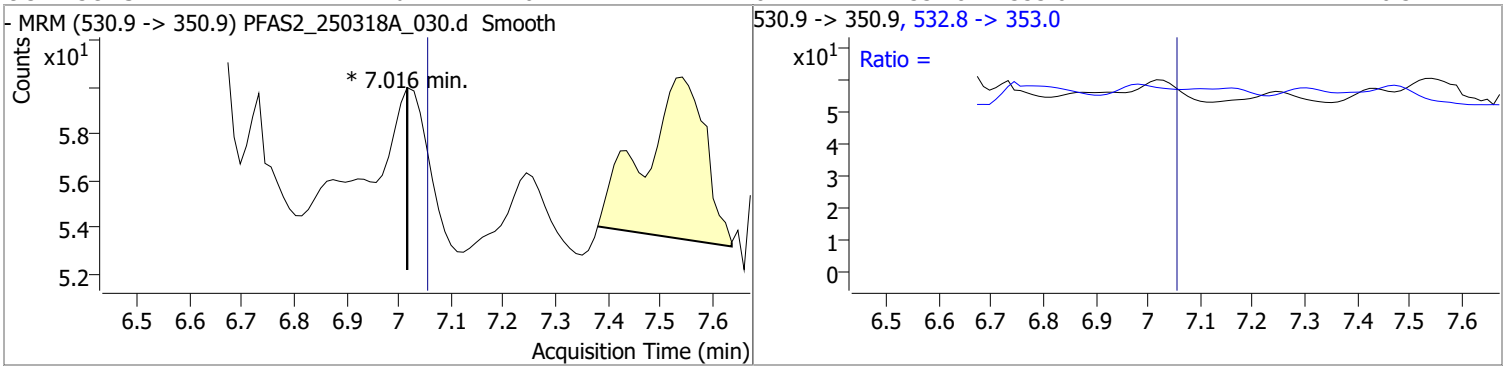
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2026	6.98	-0.01	49583				



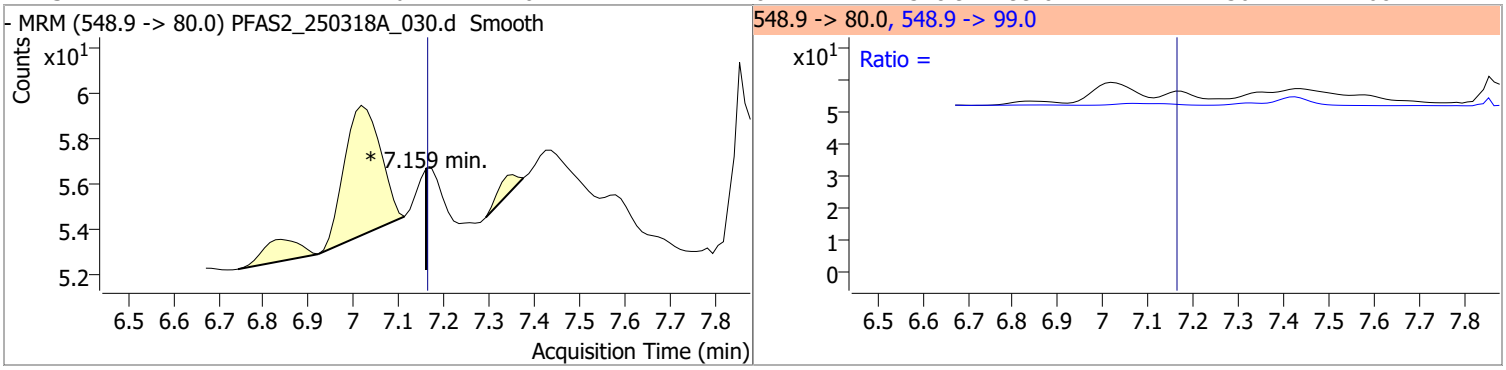
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



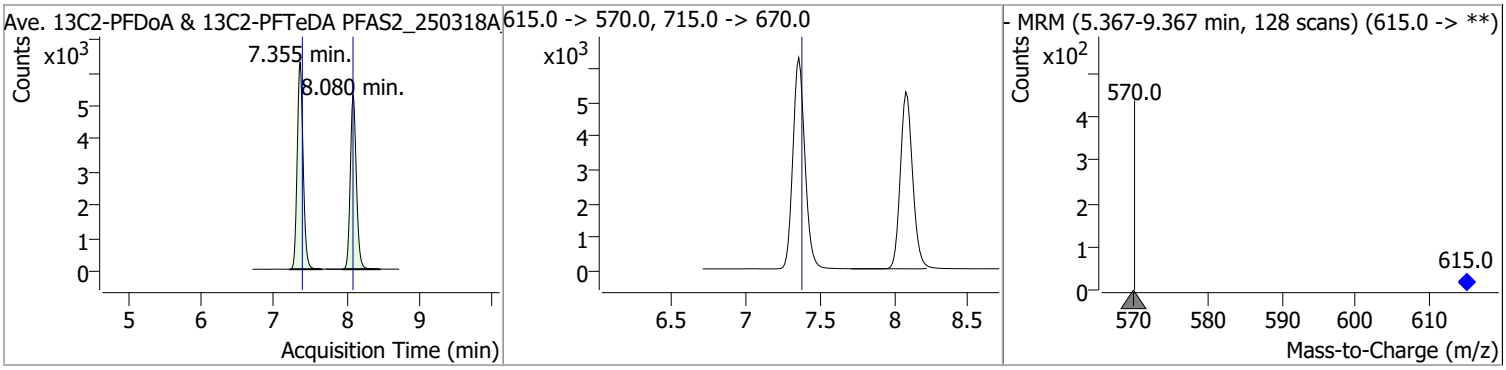
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



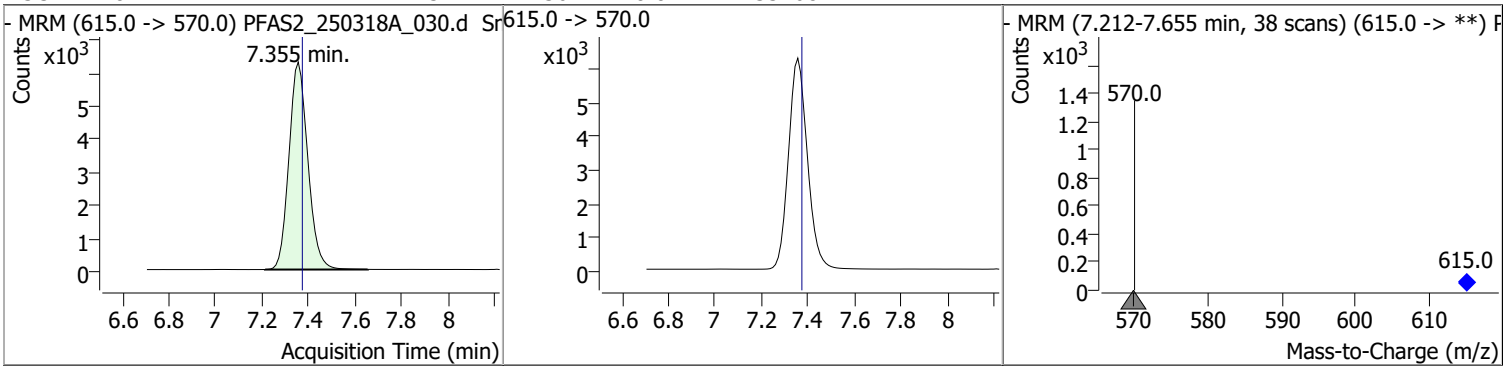
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



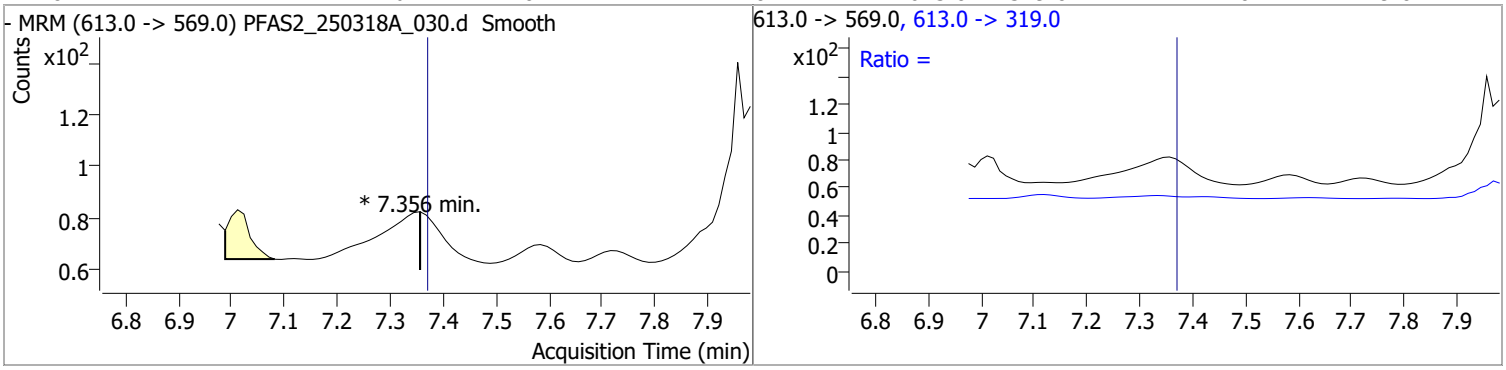
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9733	7.72	0.35	33073				



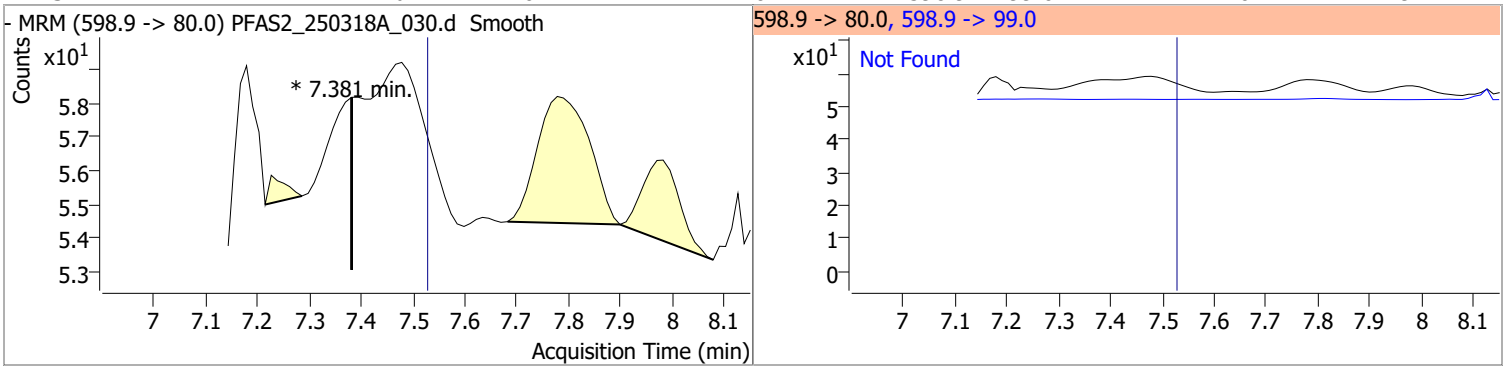
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1547	7.36	-0.01	35468				



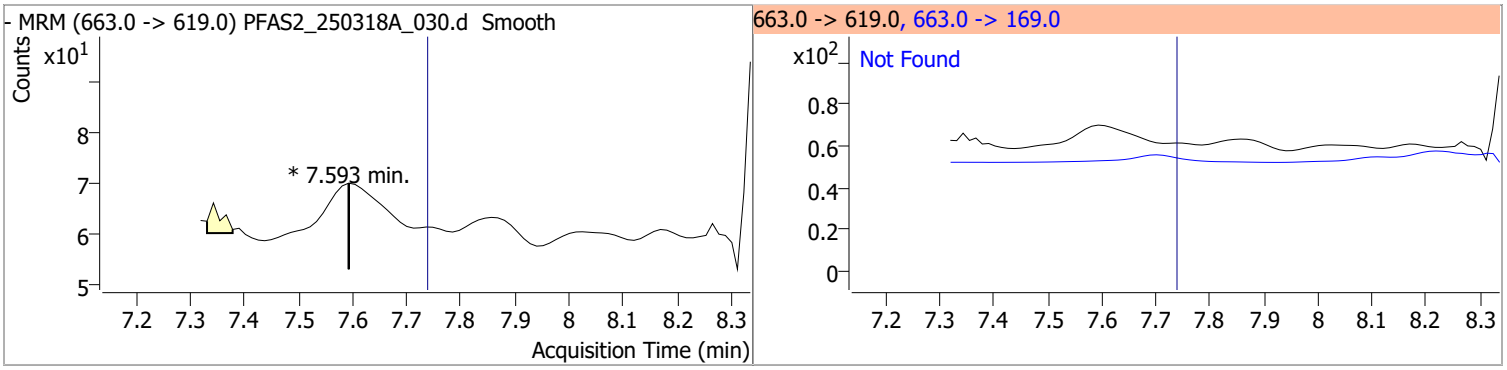
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



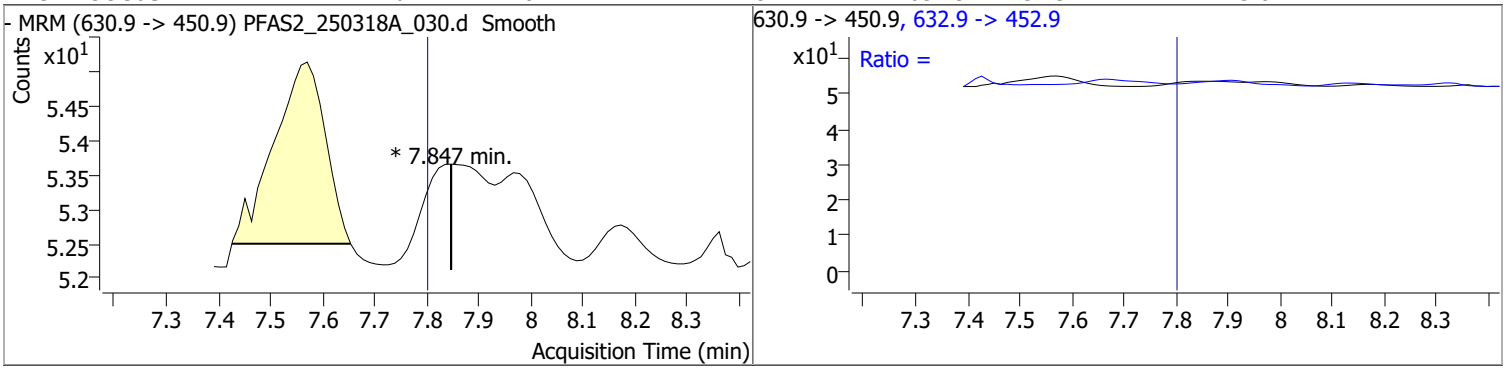
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



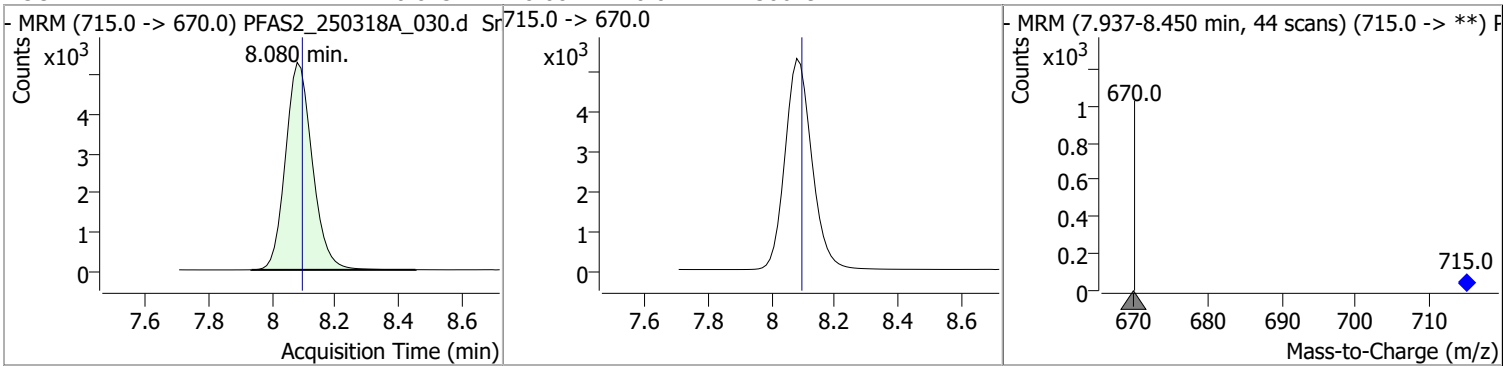
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



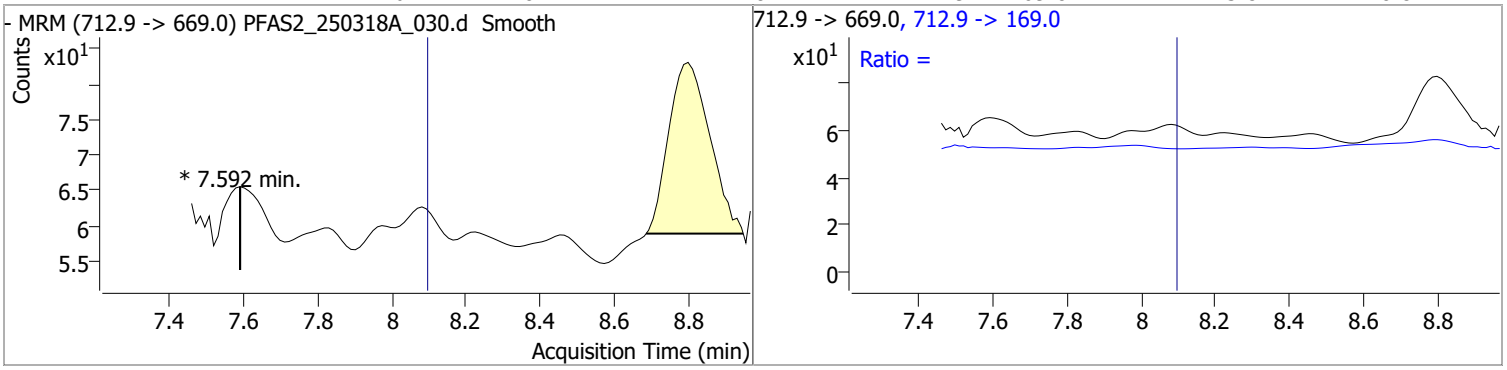
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7



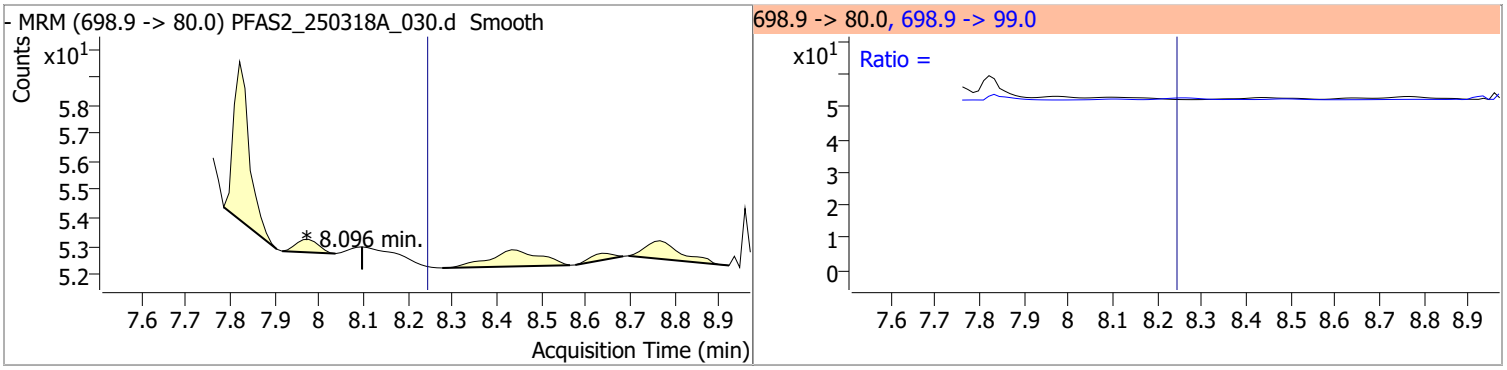
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8237	8.08	-0.01	30679				



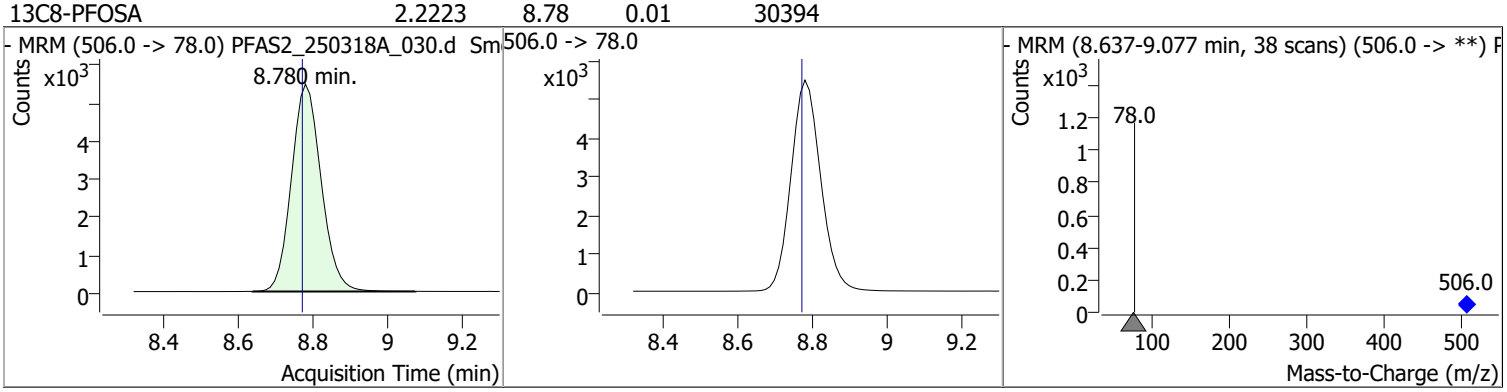
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



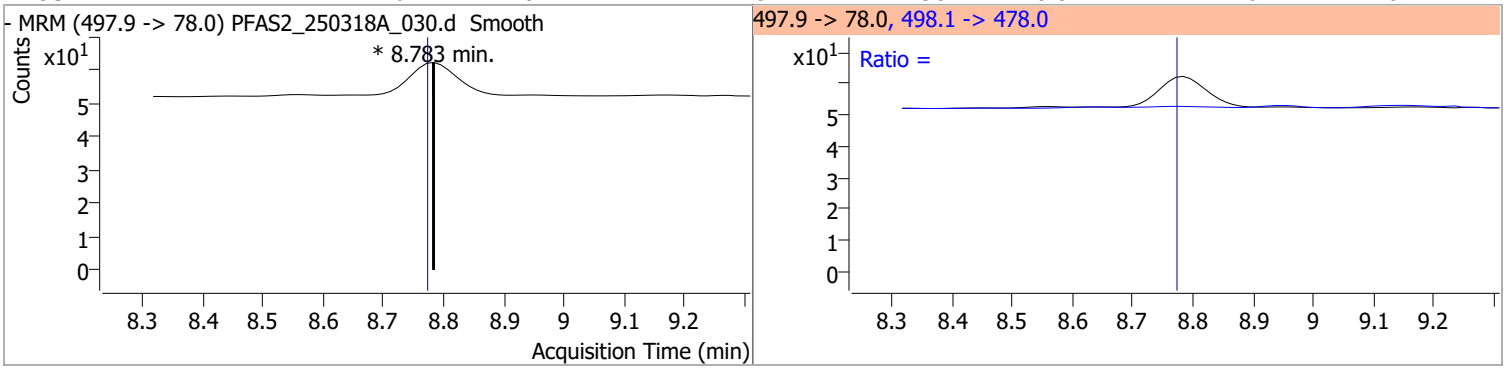
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



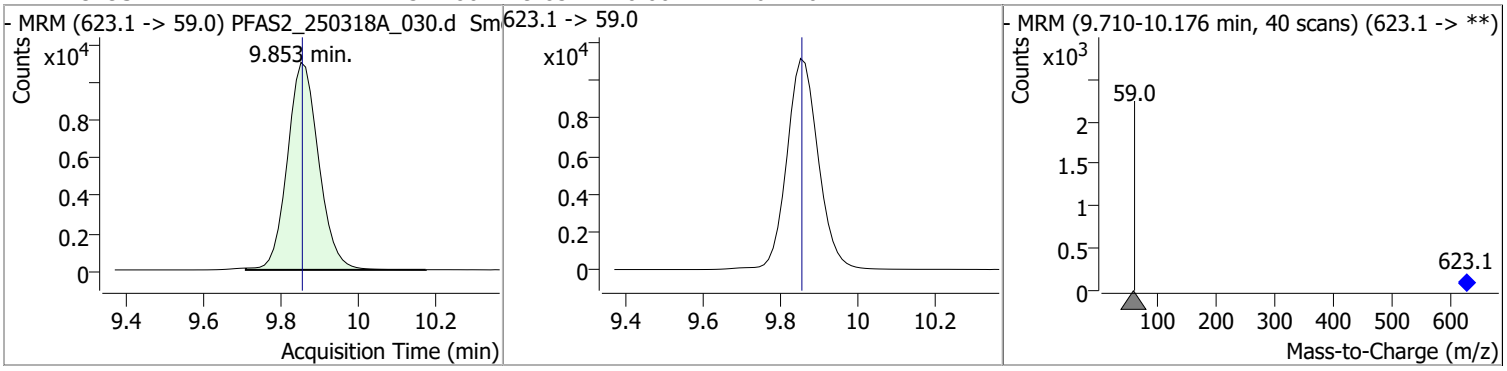
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2223	8.78	0.01	30394				



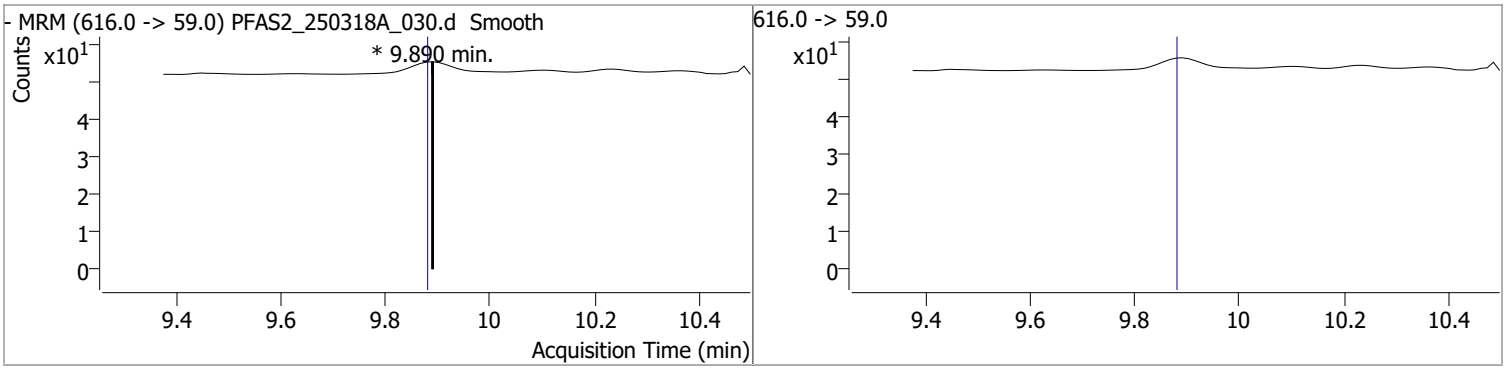
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8



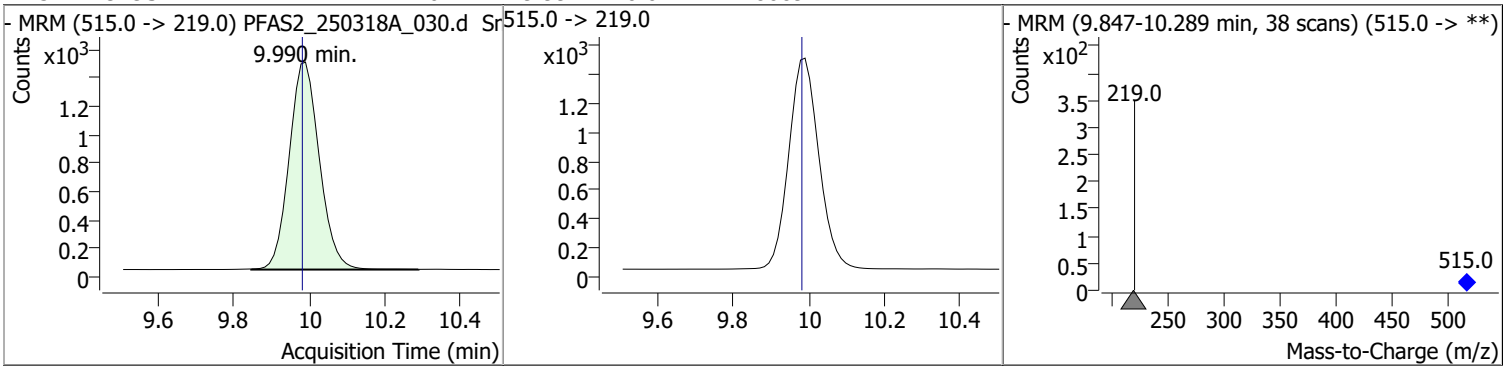
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.4180	9.85	0.00	62210				



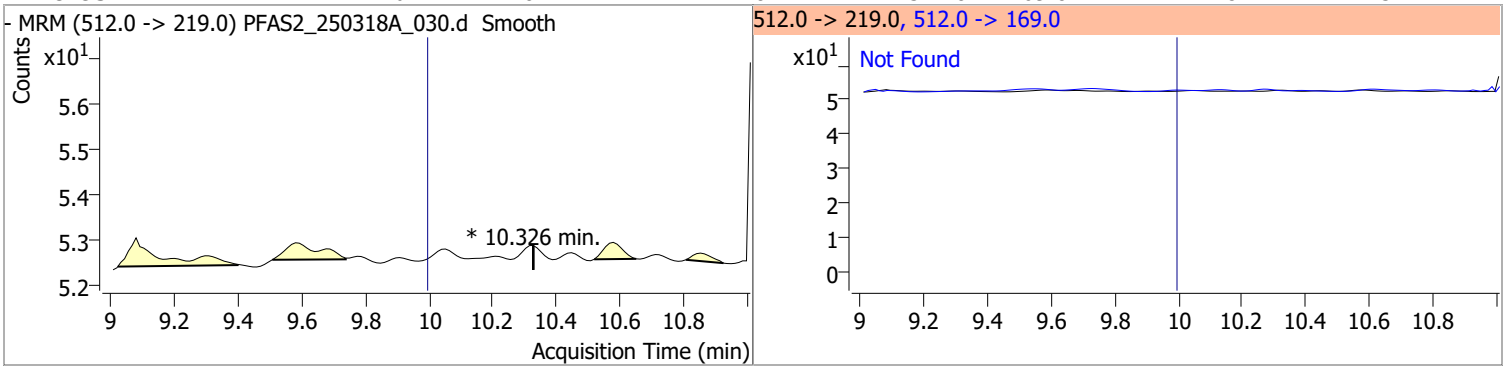
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1074	9.99	0.01	8089				

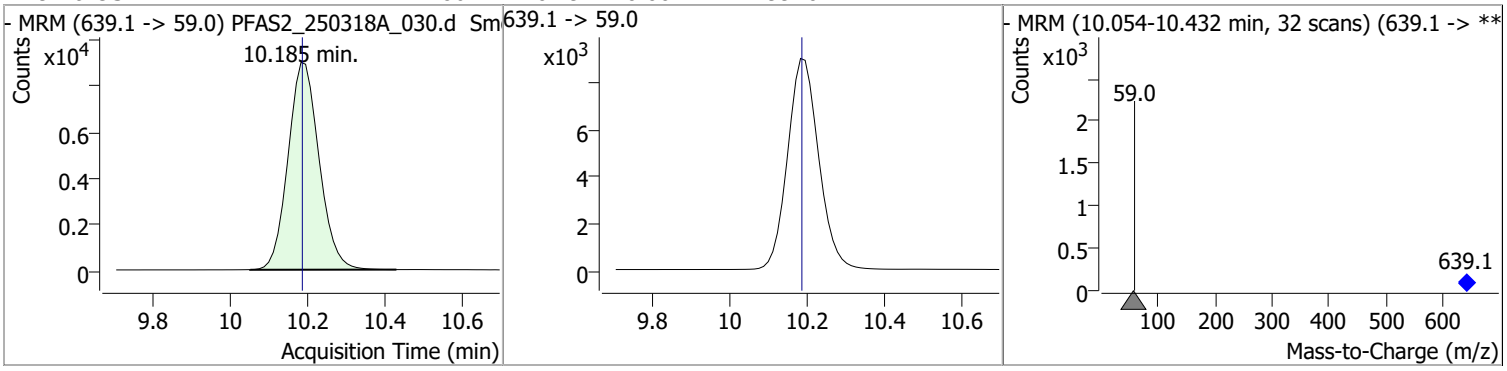


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2

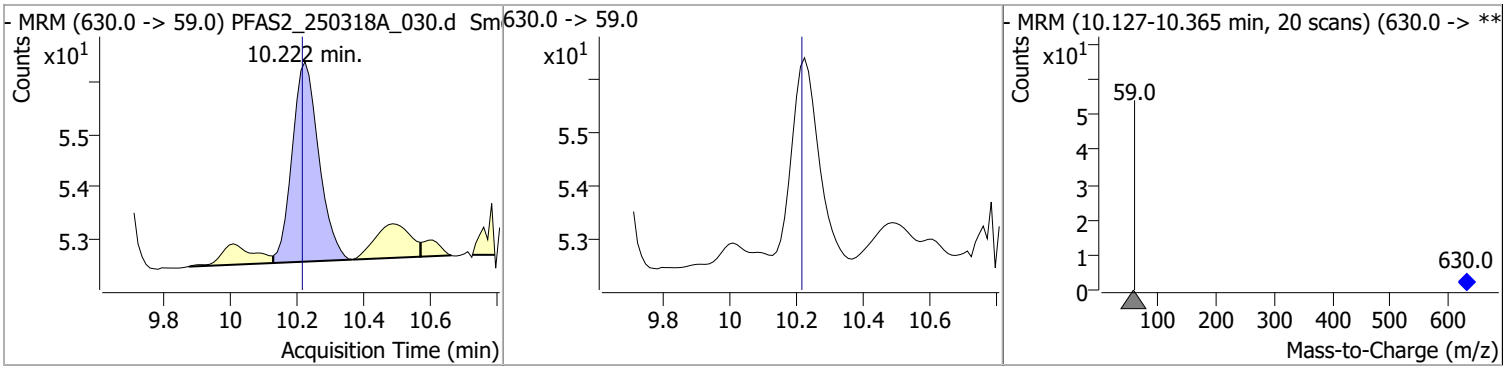


Quantitation Results Report (QT Reviewed)

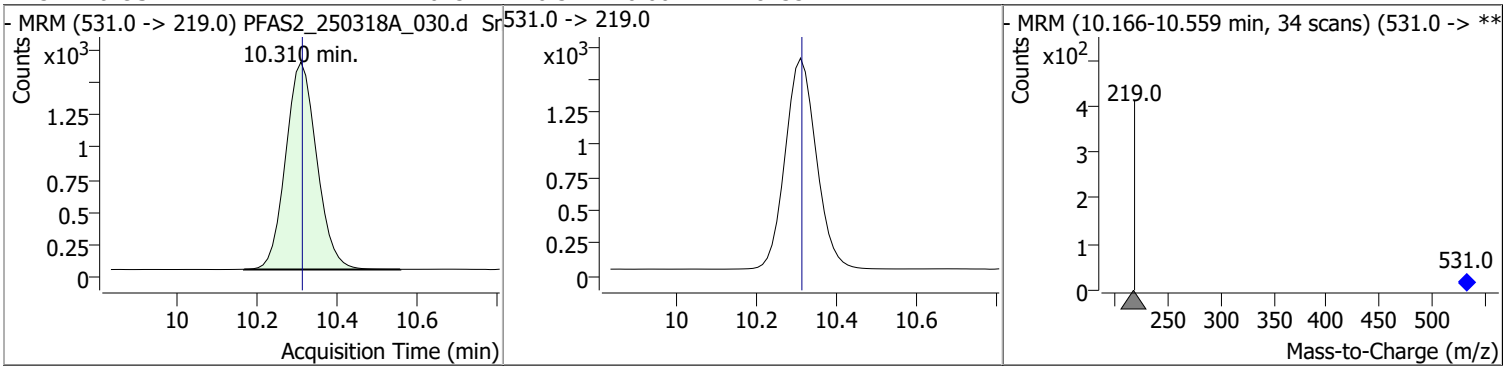
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.2861	10.19	0.00	49940				



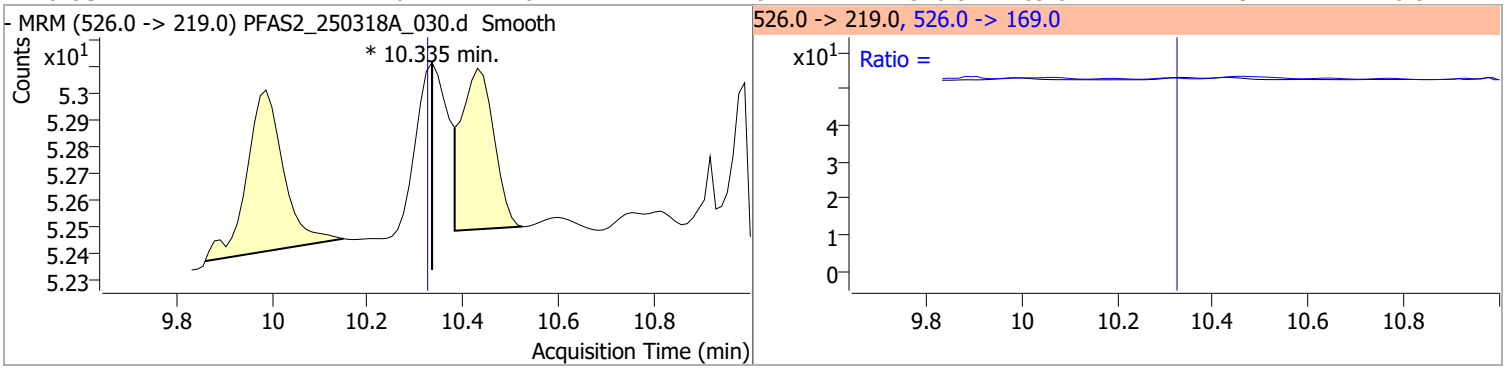
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0214	10.22	0.01	21				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1045	10.31	0.00	8735				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_030.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:42:38 PM
Sample Name	O25C0550-06	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

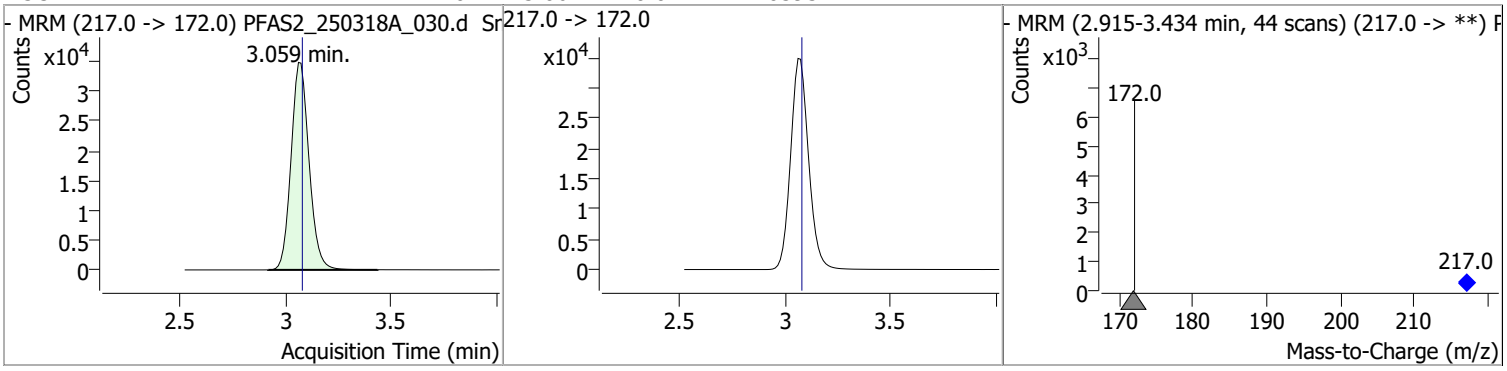
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	124619	5.0000	µg/L		-8.932
13C2-PFHxA	4.890	315.0 -> 270.0	139703	2.5000	µg/L		-8.944
18O2-PFHxS	5.955	403.0 -> 84.0	27554	2.5000	µg/L		-7.005
13C4-PFOA	5.823	417.0 -> 172.0	14695	2.5000	µg/L		-4.873
13C5-PFNA	6.226	468.0 -> 423.0	68504	1.2500	µg/L		-3.749
13C2-PFDA	6.603	515.0 -> 470.0	64288	1.2500	µg/L		-3.871
13C4-PFOS	6.771	503.0 -> 80.0	22997	2.5000	µg/L		-7.678
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	205937	10.0000	µg/L		-33.746
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 72.72%			
13C5-PFPeA	4.222	268.0 -> 223.0	179081	5.0000	µg/L		-13.454
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.05%			
13C5-PFPeA	4.222	268.0 -> 223.0	179081	5.0000	µg/L		-13.454
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.05%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	26509	5.0000	µg/L		4.926
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.29%			
13C5-PFHxA	4.901	318.0 -> 273.0	137241	2.5000	µg/L		-18.717
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.25%			
13C5-PFHxA	4.901	318.0 -> 273.0	137241	2.5000	µg/L		-18.717
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.25%			
13C3-PFBS	4.929	302.0 -> 80.0	48335	2.5000	µg/L		-20.402
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.69%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	158909	10.0000	µg/L		-9.076
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.85%			
13C4-PFHpA	5.397	367.0 -> 322.0	168682	2.5000	µg/L		-10.697
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.11%			
13C3-PFHxS	5.956	402.0 -> 80.0	28886	2.5000	µg/L		-17.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.91%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15219	5.0000	µg/L	#	3.052
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.94%			
13C8-PFOA	5.823	421.0 -> 376.0	154355	2.5000	µg/L		-10.643
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C3-PFHxS	5.956	402.0 -> 80.0	28886	2.5000	µg/L		-17.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.91%			
13C9-PFNA	6.225	472.0 -> 427.0	67281	1.2500	µg/L		-4.517
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.16%			
13C8-PFOS	6.771	507.0 -> 80.0	21074	2.5000	µg/L		-16.650
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.32%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10453	5.0000	µg/L	#	-11.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.77%			
13C6-PFDA	6.603	519.0 -> 474.0	61993	1.2500	µg/L		-8.780
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.80%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47966	5.0000	µg/L		-14.068
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.97%			
13C8-PFOS	6.771	507.0 -> 80.0	21074	2.5000	µg/L		-16.650

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.32%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36069	5.0000	µg/L		-14.467
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.60%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49583	1.2500	µg/L		-7.500
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.21%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	33073	1.2500	µg/L		-25.030
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 77.86%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35468	1.2500	µg/L		-11.209
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.38%			
13C2-PFTDA	8.080	715.0 -> 670.0	30679	1.2500	µg/L		-36.463
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 65.89%			
13C8-PFOSA	8.780	506.0 -> 78.0	30394	2.5000	µg/L		-17.768
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.89%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62210	25.0000	µg/L		-50.487
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.67%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8089	2.5000	µg/L		-21.992
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
2H9-EtFOSE	10.185	639.1 -> 59.0	49940	25.0000	µg/L		-21.365
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.14%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8735	2.5000	µg/L		-22.291
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.18%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	3706	0.2861	µg/L		100
PFMPA	3.614	229.0 -> 85.0	42	0.0575	µg/L		100
3-3 FTCA	3.766	241.0 -> 177.0	4	0.0000	µg/L	#	1
PFPeA	4.223	263.0 -> 219.0	1602	0.0729	µg/L	#	100
PFMBA	4.465	279.0 -> 85.0	19	0.0344	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	18	0.0011	µg/L		41
NFDHA	4.858	295.0 -> 201.0	25	0.0244	µg/L		48
PFHxA	4.892	313.0 -> 269.0	507	0.0103	µg/L		89
PFBS	4.930	298.9 -> 80.0	3018	0.1505	µg/L		97
HFPO-DA	5.087	285.0 -> 169.0	73	0.0052	µg/L		33
PFEESA	5.225	314.9 -> 135.0	26	0.0519	µg/L	#	34
PFHpA	5.398	363.0 -> 319.0	562	0.0299	µg/L	#	76
5-3 FTCA	5.470	341.0 -> 237.0	20	0.1821	µg/L		4
PFPeS	5.494	348.9 -> 80.0	370	0.0237	µg/L		95
DONA	5.564	377.0 -> 251.0	141	0.0690	µg/L		46
6-2 FTSA	0.000		0	N.D.			
PFOA	5.824	413.0 -> 369.0	395	0.0428	µg/L	#	74
PFHxS	5.957	398.9 -> 80.0	498	0.0443	µg/L		95
PFNA	6.190	463.0 -> 419.0	174	0.0101	µg/L	#	87
PFHpS	6.335	448.9 -> 80.0	9	0.0011	µg/L	#	69
8-2 FTSA	6.282	527.0 -> 507.0	18	0.0761	µg/L		47
7-3 FTCA	6.216	441.0 -> 317.0	69	0.2683	µg/L	#	8
PFDA	6.604	513.0 -> 469.0	94	0.0000	µg/L		68
N-MeFOSAA	6.730	570.0 -> 419.0	63	0.0156	µg/L		98
PFOS	6.760	498.9 -> 80.0	391	0.0773	µg/L		82
N-EtFOSAA	6.929	584.0 -> 419.0	63	0.0204	µg/L	#	1
PFUnDA	6.967	563.0 -> 519.0	139	0.0170	µg/L		91
9Cl-PF3ONS	7.016	530.9 -> 350.9	18	0.0653	µg/L	#	1
PFNS	7.159	548.9 -> 80.0	8	0.0011	µg/L		26
PFDoDA	7.356	613.0 -> 569.0	139	0.0053	µg/L		98
PFDS	7.381	598.9 -> 80.0	4	0.0007	µg/L		22
PFTrDA	7.593	663.0 -> 619.0	67	0.0027	µg/L		72

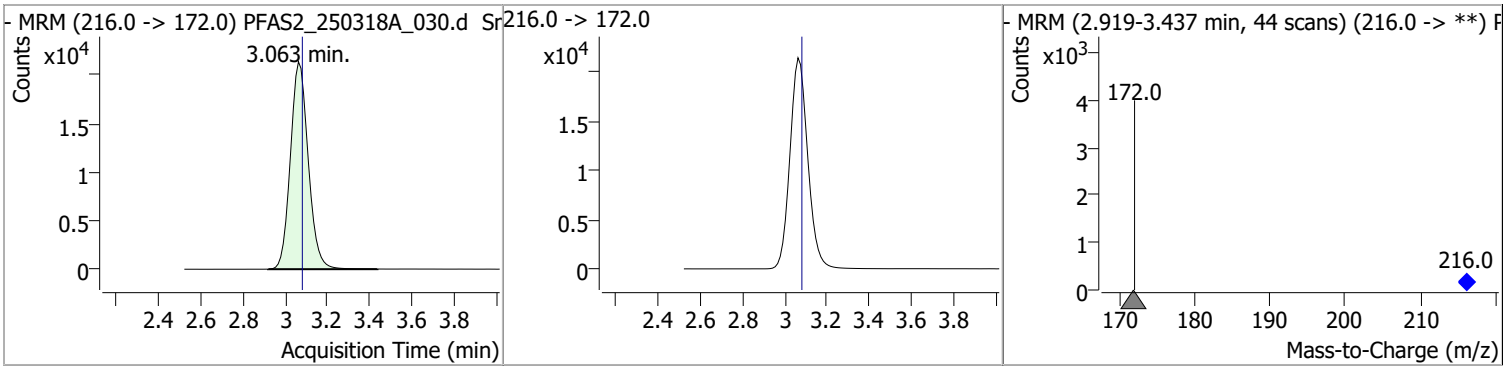
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.847	630.9 -> 450.9	14	0.0007	µg/L	#	52
PFTDA	7.592	712.9 -> 669.0	38	0.0077	µg/L	#	81
PFDoS	8.096	698.9 -> 80.0	3	0.0008	µg/L		22
PFOSA	8.783	497.9 -> 78.0	55	0.0052	µg/L	#	82
MeFOSE	9.890	616.0 -> 59.0	14	0.0000	µg/L		100
N-MeFOSA	10.326	512.0 -> 219.0	1	0.0003	µg/L		1
EtFOSE	10.222	630.0 -> 59.0	21	0.0214	µg/L		100
N-EtFOSA	10.335	526.0 -> 219.0	3	0.0009	µg/L		1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

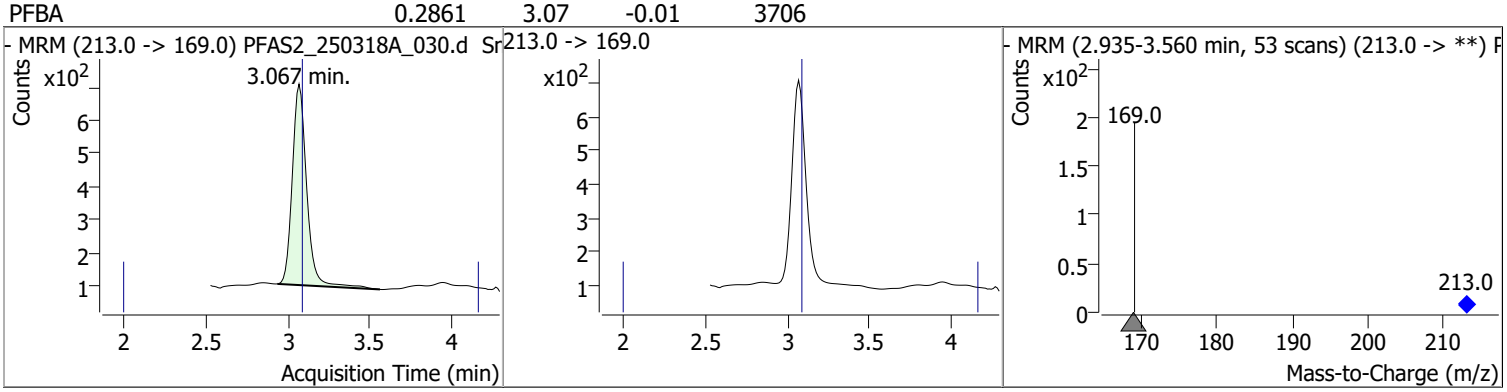
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.2720	3.06	-0.01	205937				



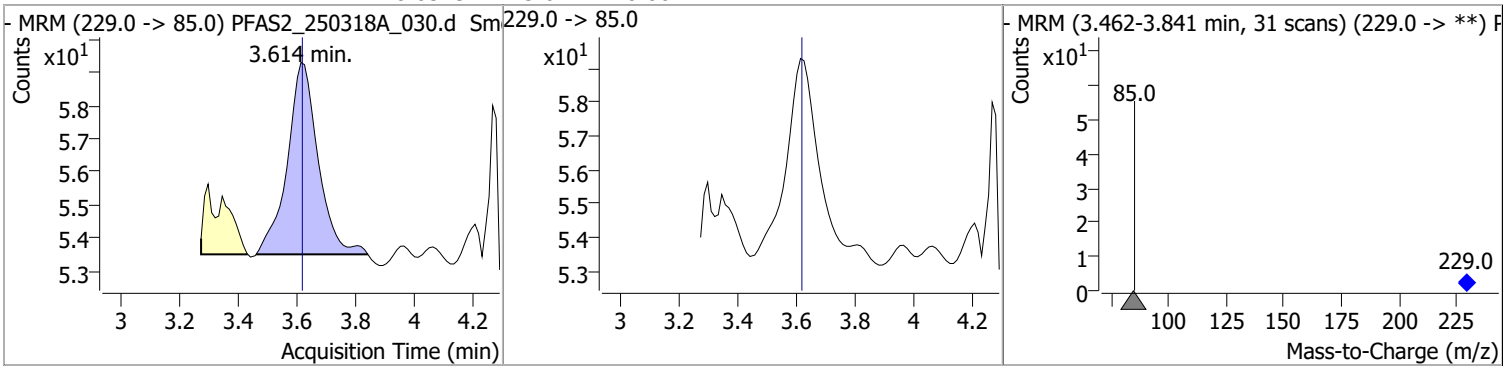
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	124619				



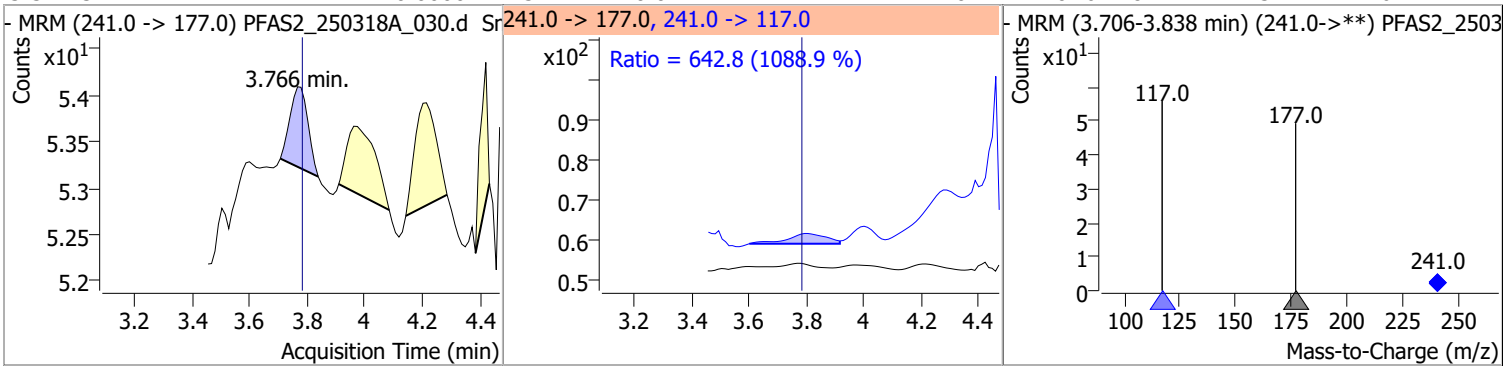
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.2861	3.07	-0.01	3706				



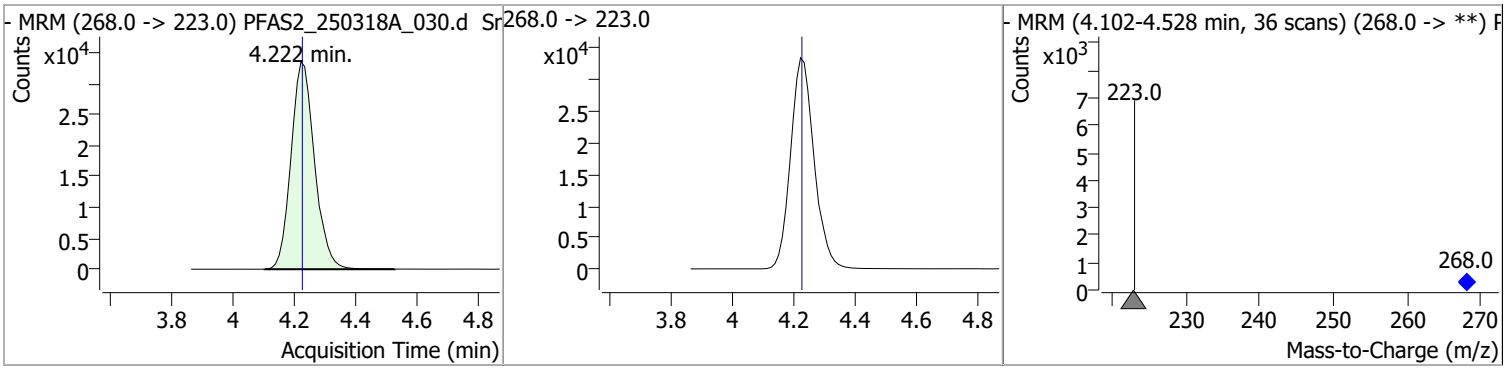
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0575	3.61	0.00	42				



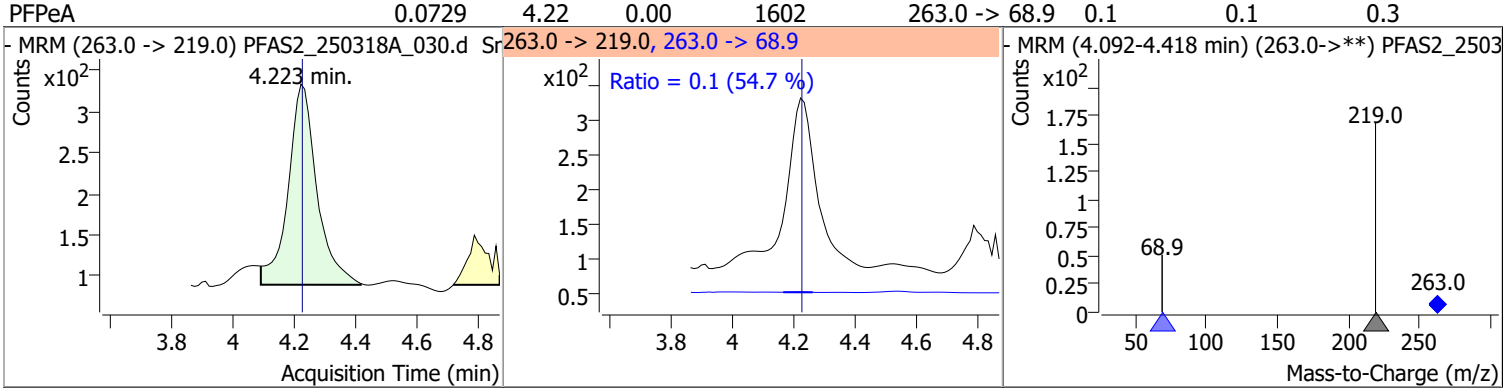
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.77	-0.01	4	241.0 -> 117.0	642.8	41.3	76.7



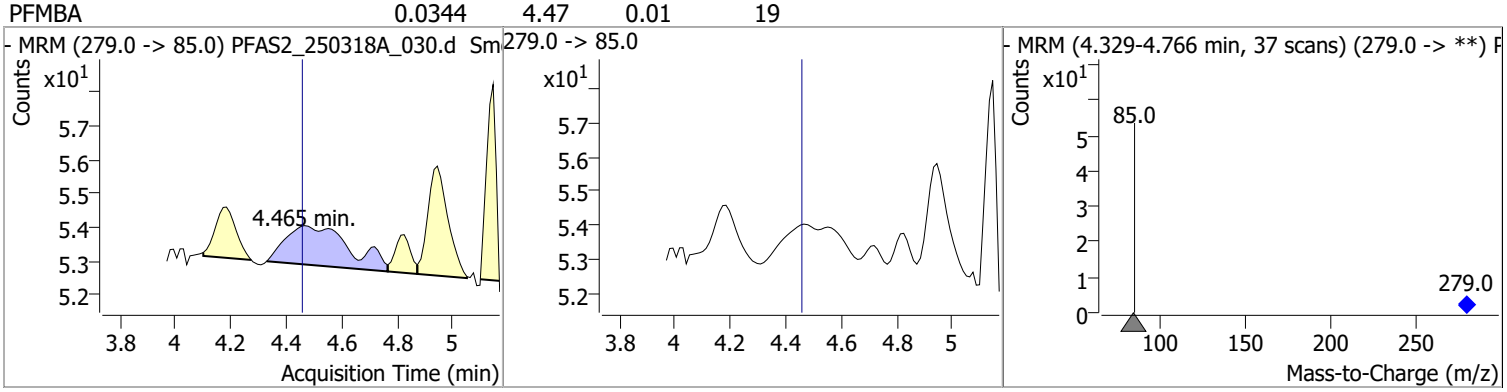
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7526	4.22	0.00	179081				



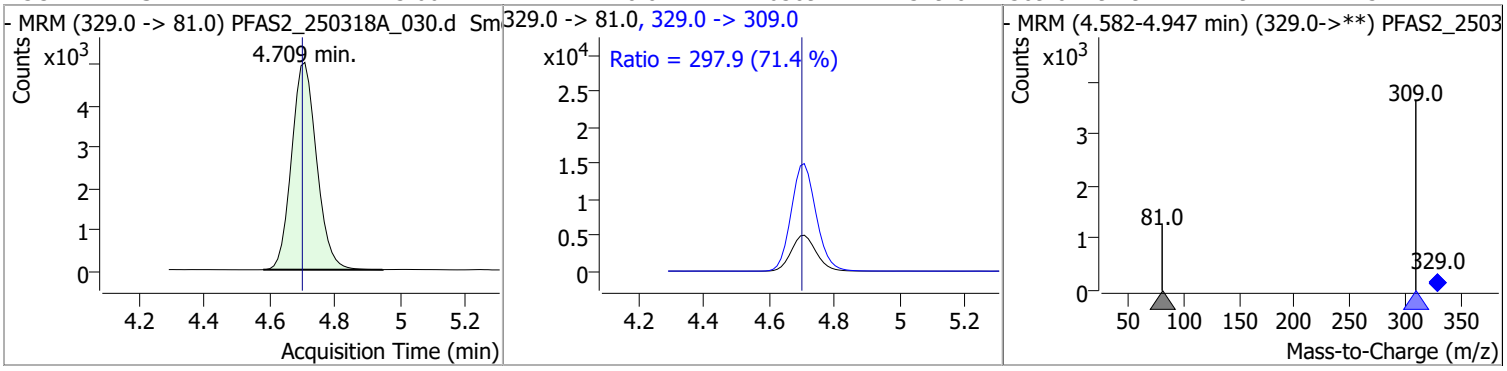
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0729	4.22	0.00	1602	263.0 -> 68.9	0.1	0.1	0.3



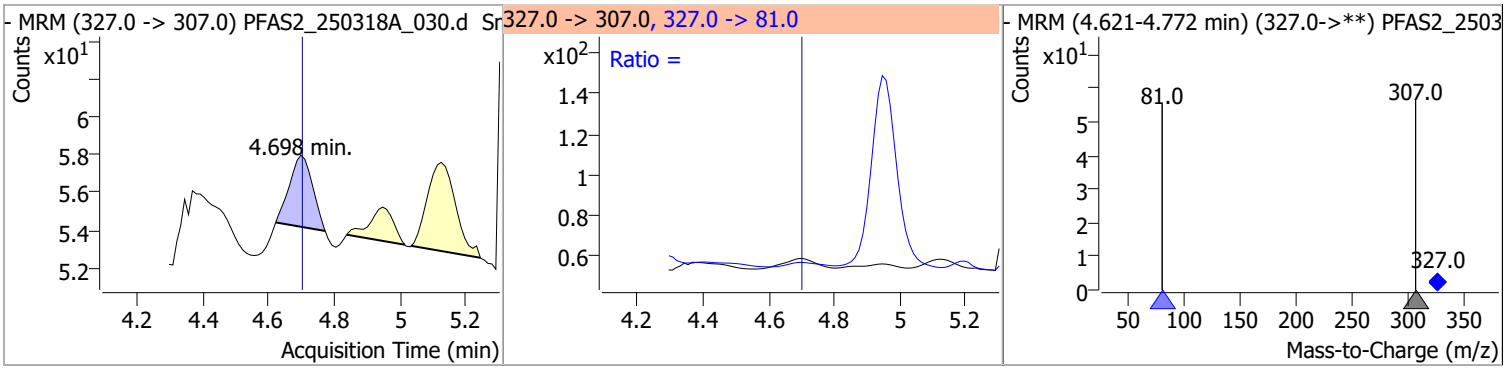
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0344	4.47	0.01	19				



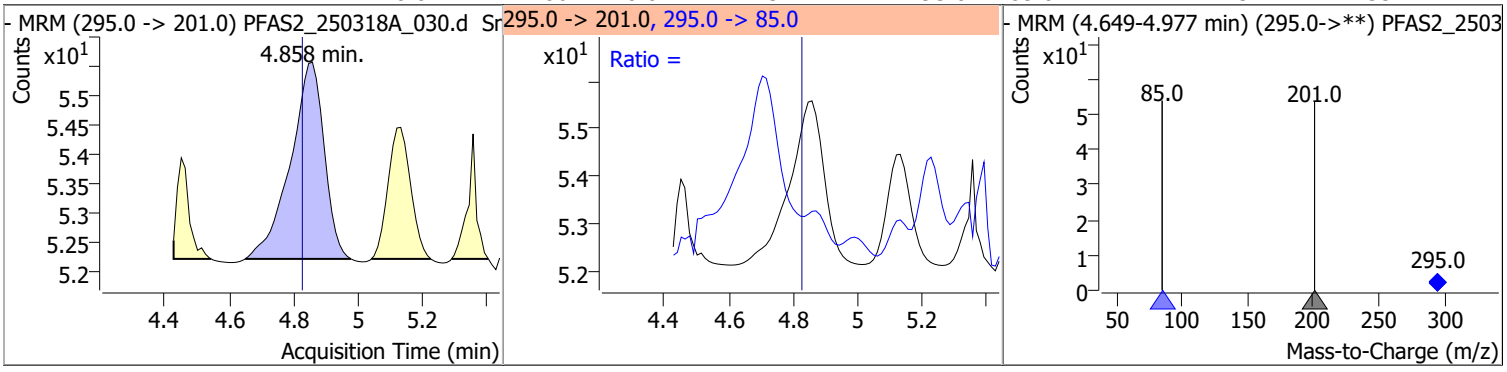
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6644	4.71	0.01	26509	329.0 -> 309.0	297.9	292.1	542.4



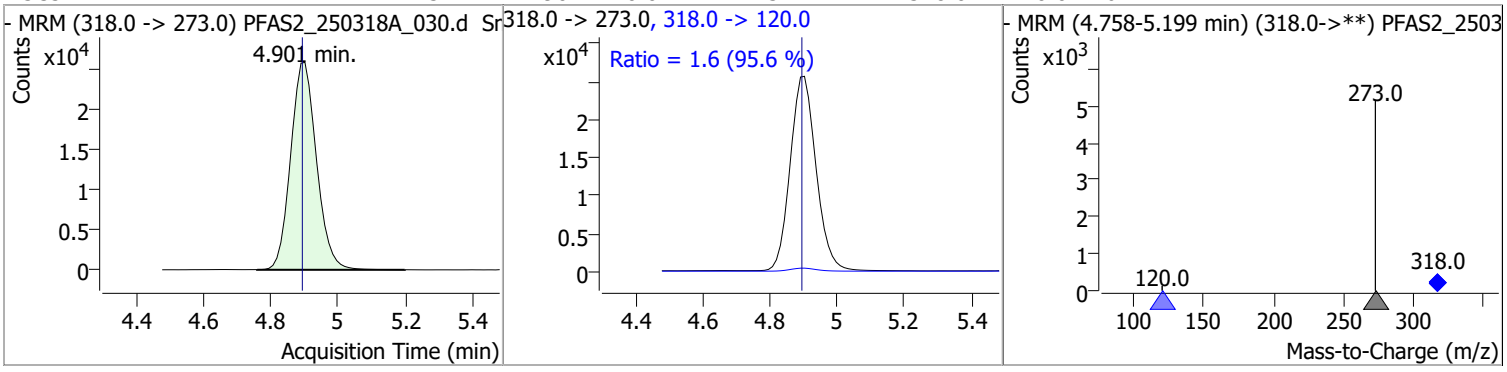
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0011	4.70	0.00	18	327.0 -> 81.0		23.6	43.9



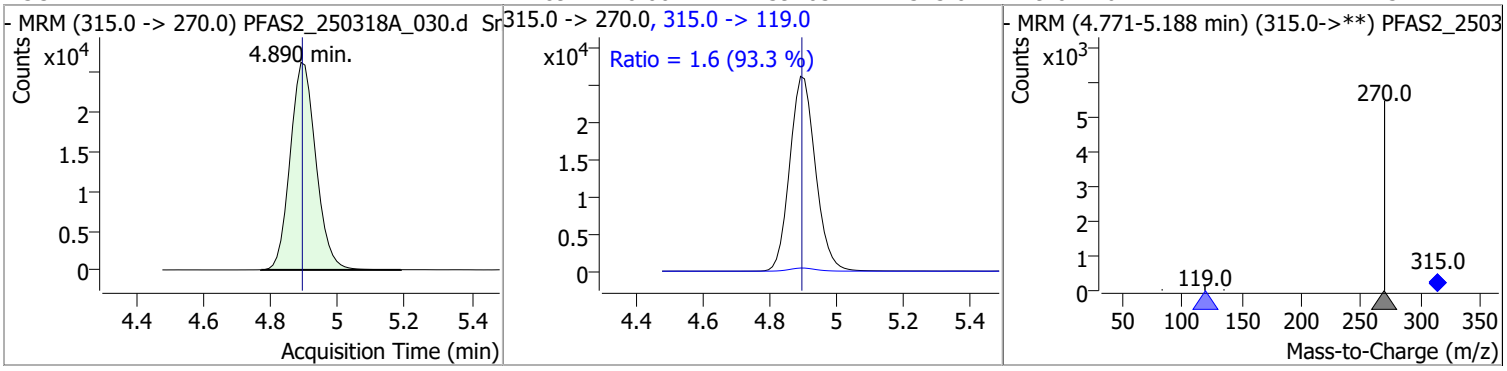
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0244	4.86	0.04	25	295.0 -> 85.0		19.1	35.4



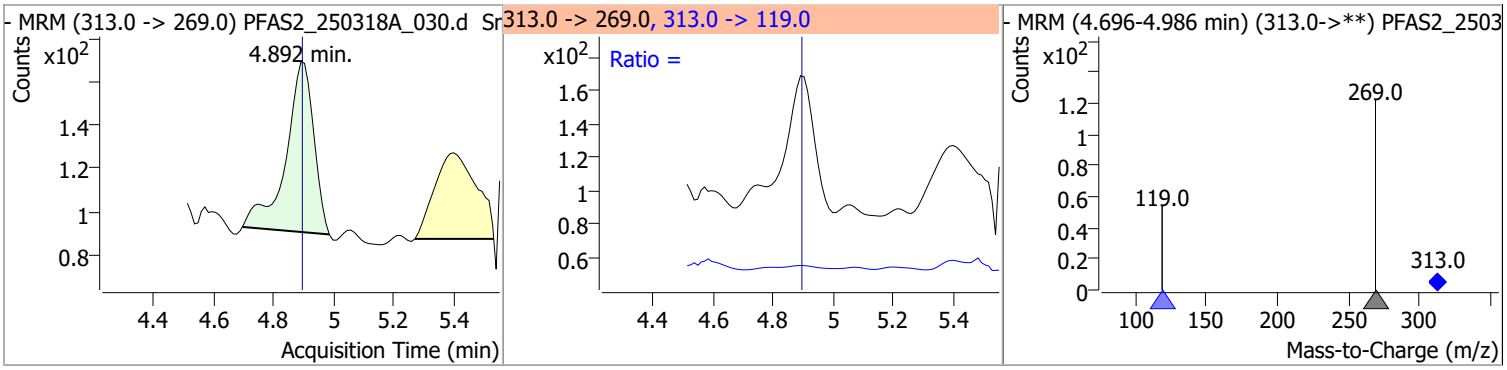
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2312	4.90	0.01	137241	318.0 -> 120.0	1.6	1.1	2.1



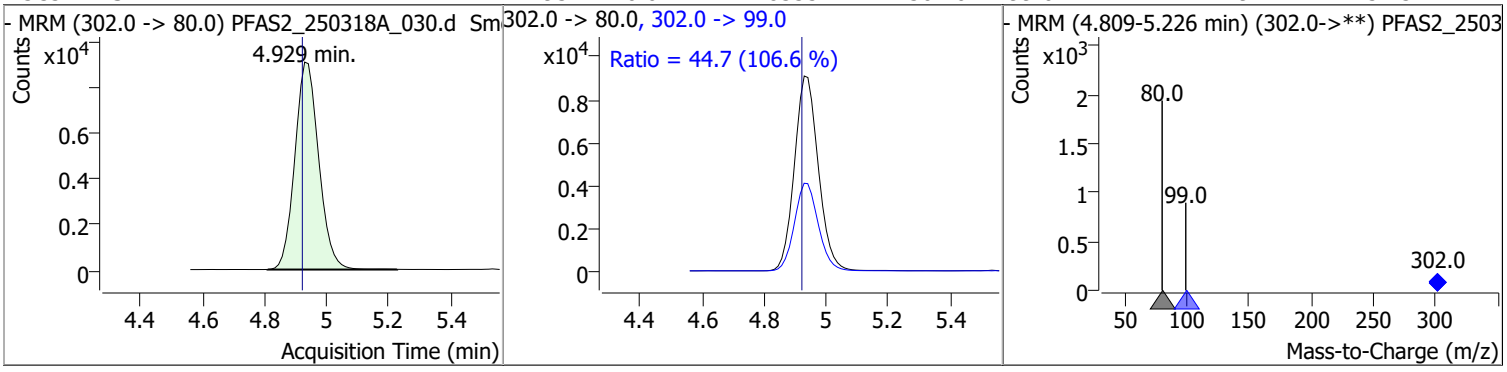
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	139703	315.0 -> 119.0	1.6	1.2	2.3



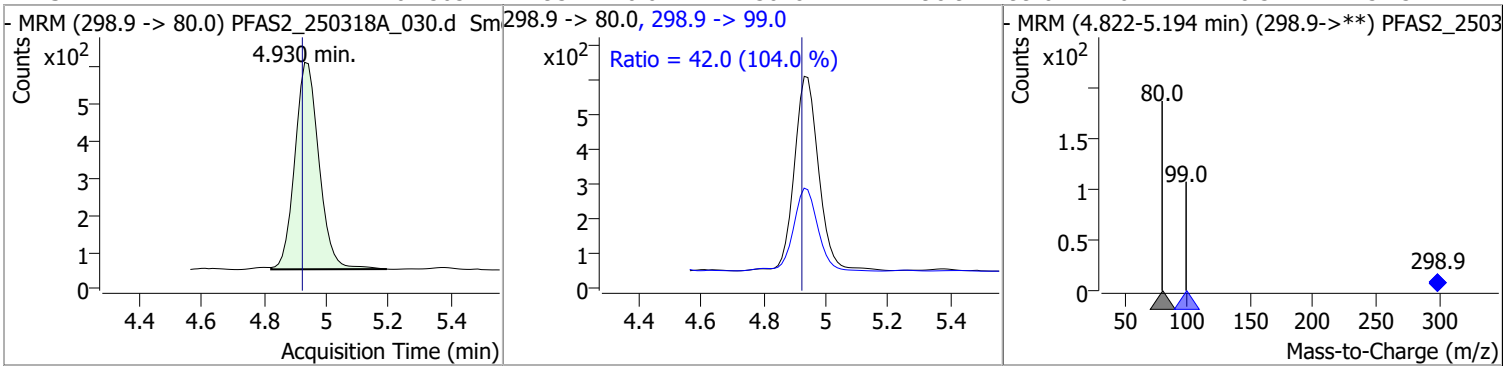
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0103	4.89	0.00	507	313.0 -> 119.0		2.4	4.5



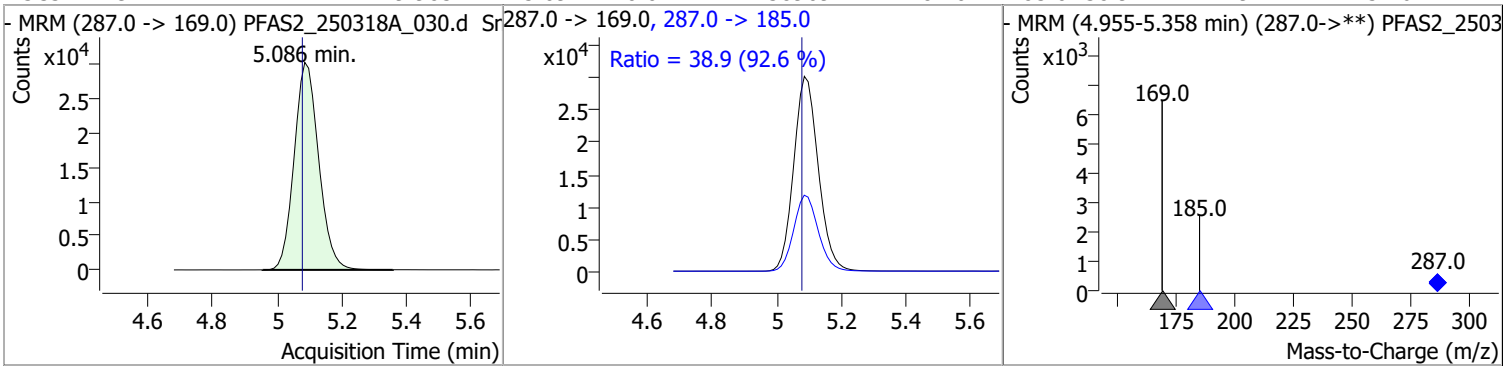
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1421	4.93	0.01	48335	302.0 -> 99.0	44.7	29.4	54.5



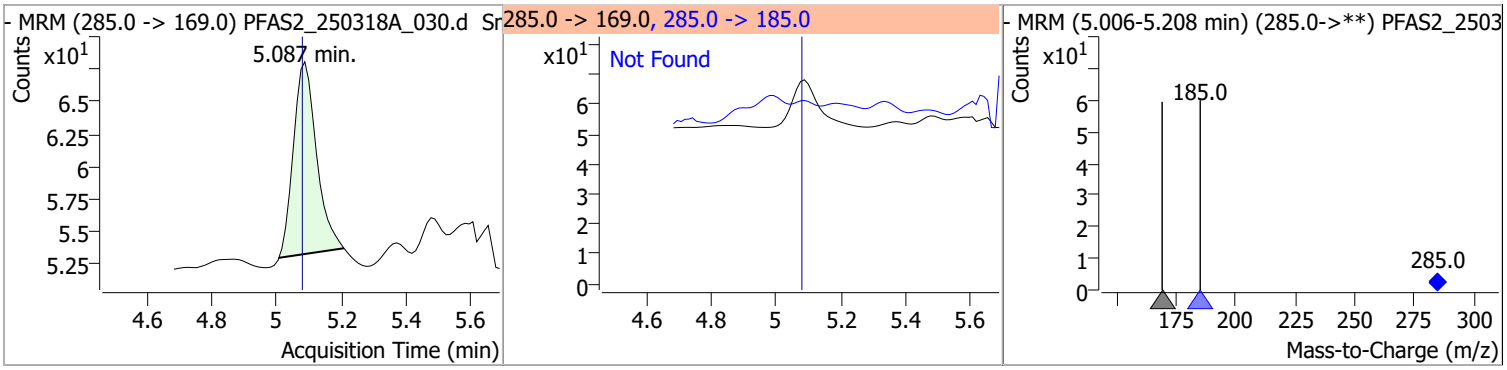
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1505	4.93	0.01	3018	298.9 -> 99.0	42.0	28.3	52.5



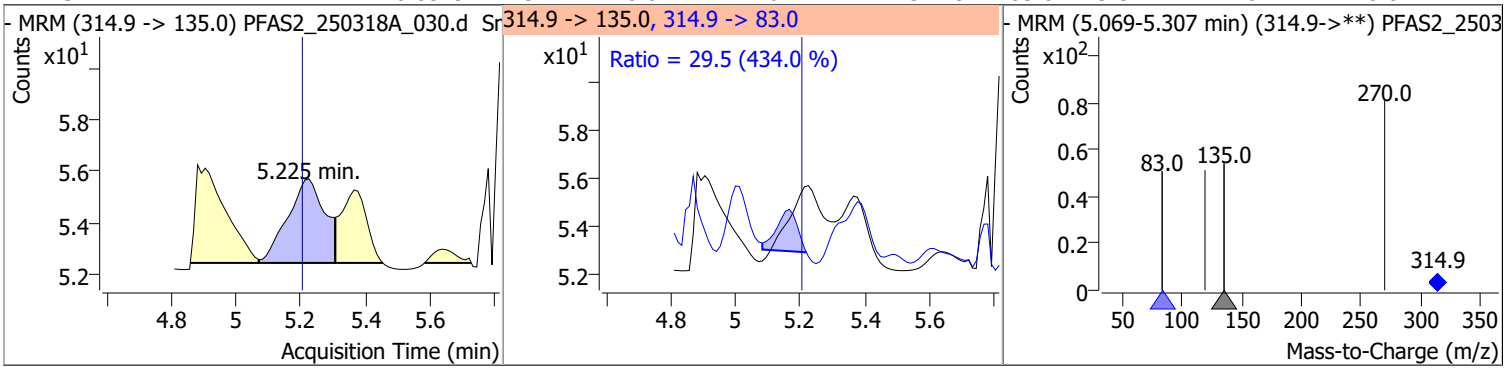
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9851	5.09	0.01	158909	287.0 -> 185.0	38.9	29.4	54.6



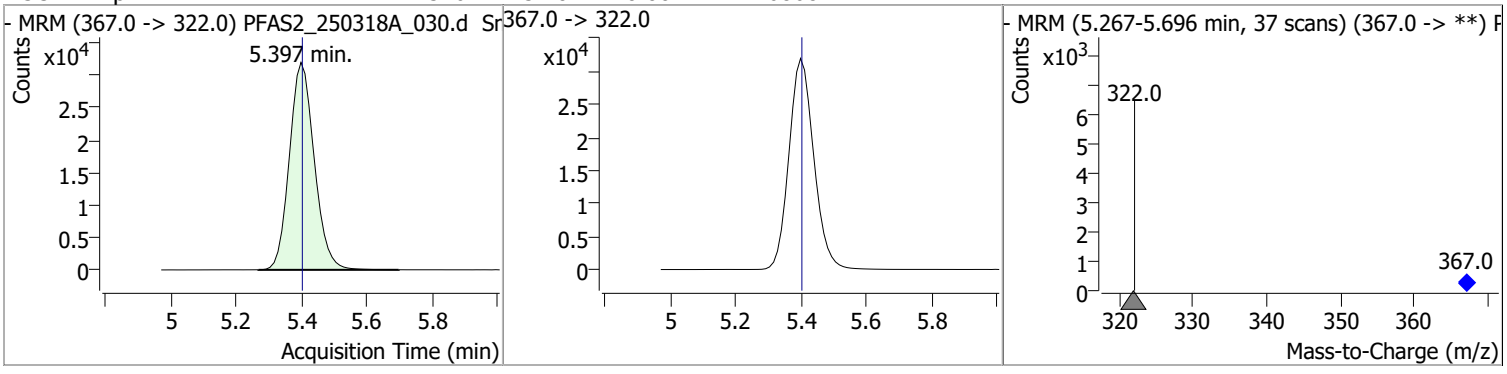
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0052	5.09	0.01	73	285.0 -> 185.0		30.1	56.0



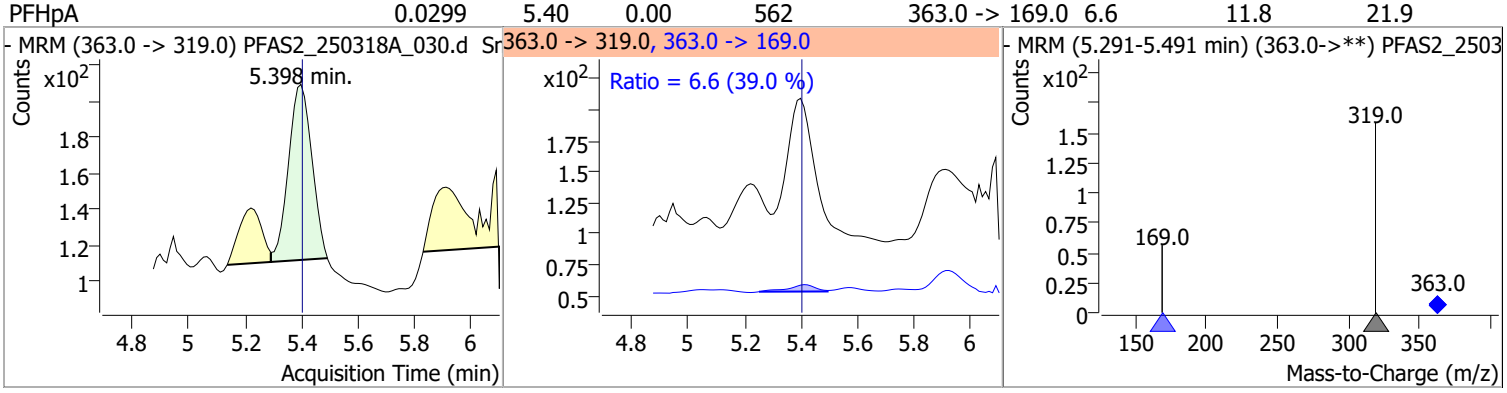
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.22	0.02	26	314.9 -> 83.0	29.5	4.8	8.8



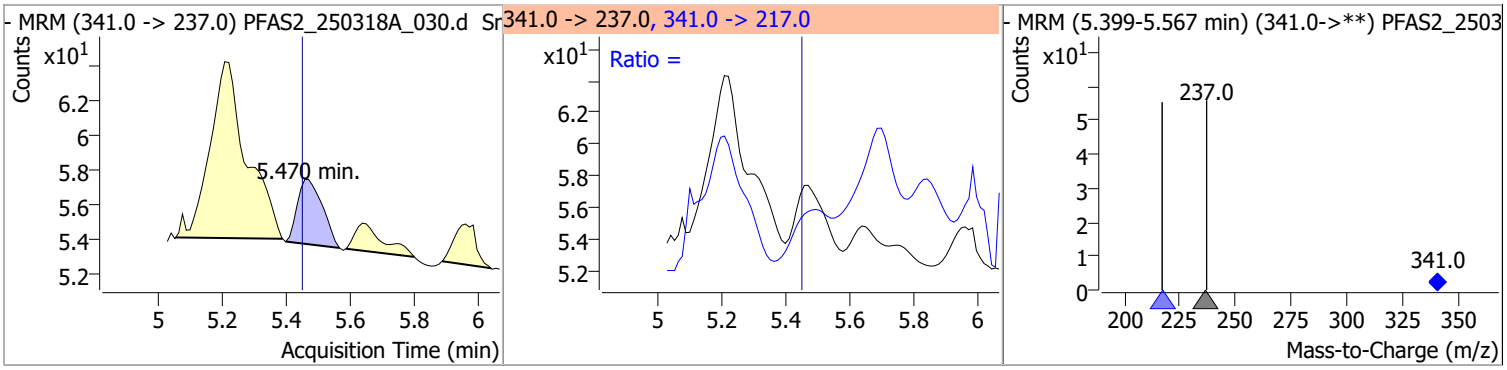
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4526	5.40	0.00	168682				



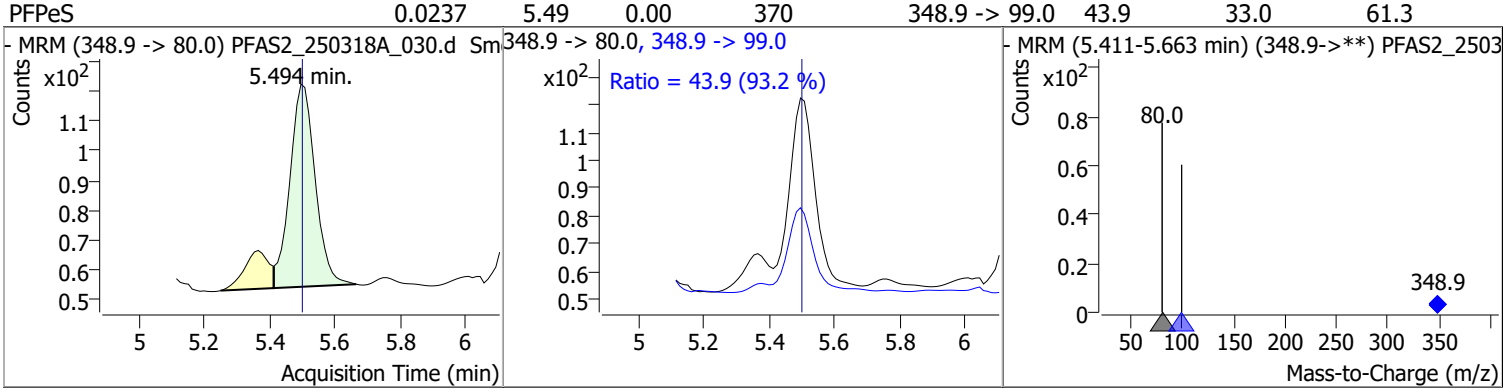
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0299	5.40	0.00	562	363.0 -> 169.0	6.6	11.8	21.9



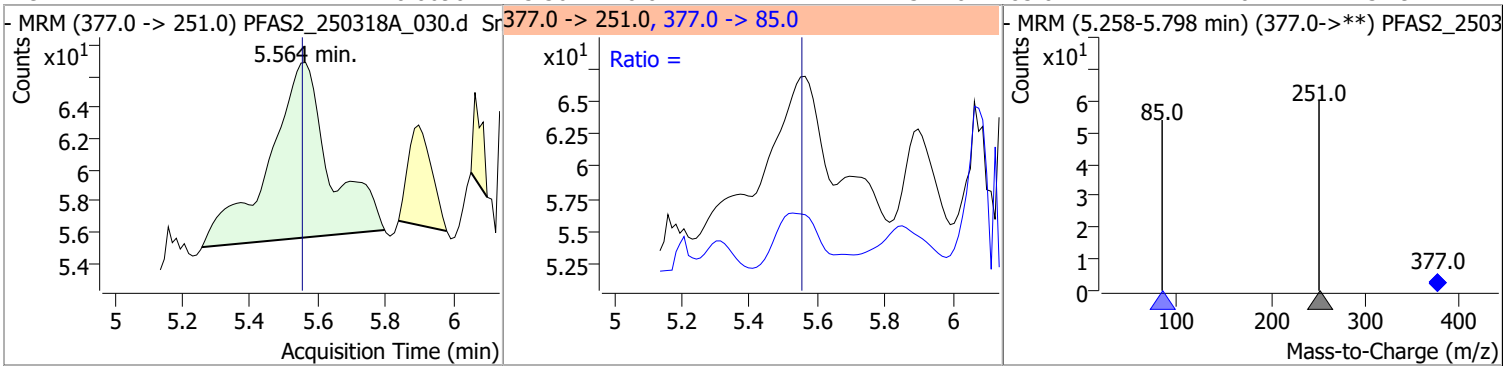
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1821	5.47	0.02	20	341.0 -> 217.0		63.6	118.1



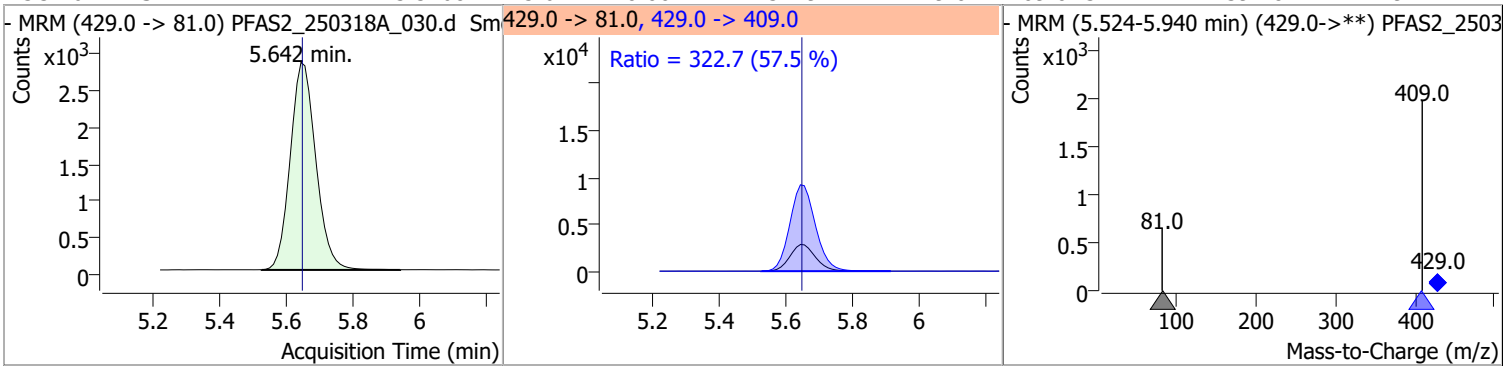
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0237	5.49	0.00	370	348.9 -> 99.0	43.9	33.0	61.3



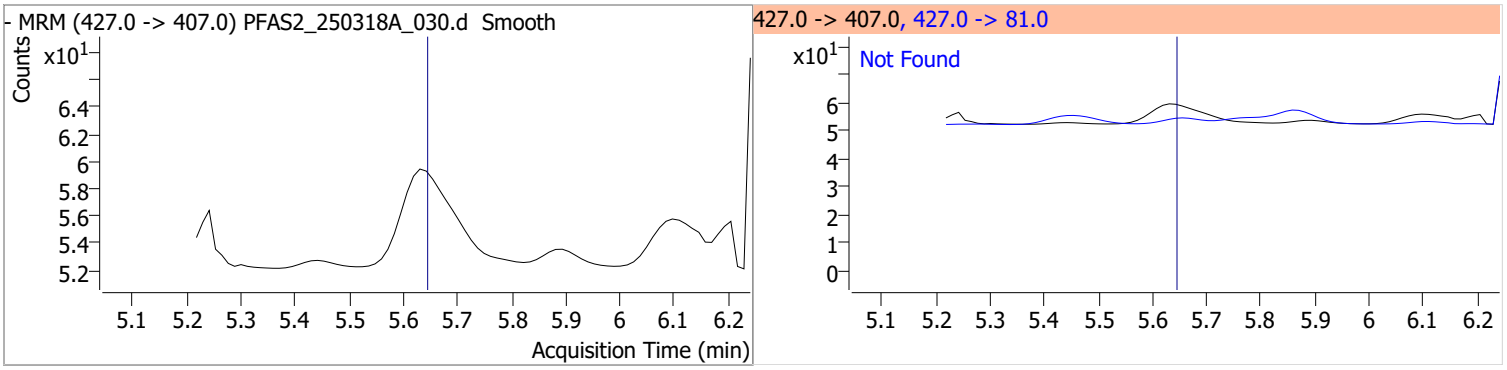
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0690	5.56	0.01	141	377.0 -> 85.0		20.4	37.9



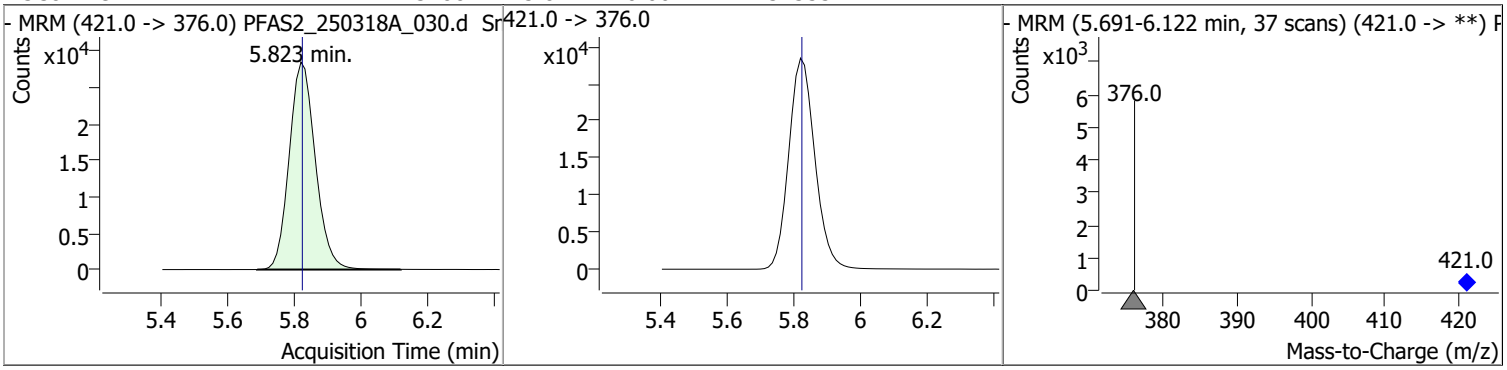
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5468	5.64	0.00	15219	429.0 -> 409.0	322.7	392.8	729.4



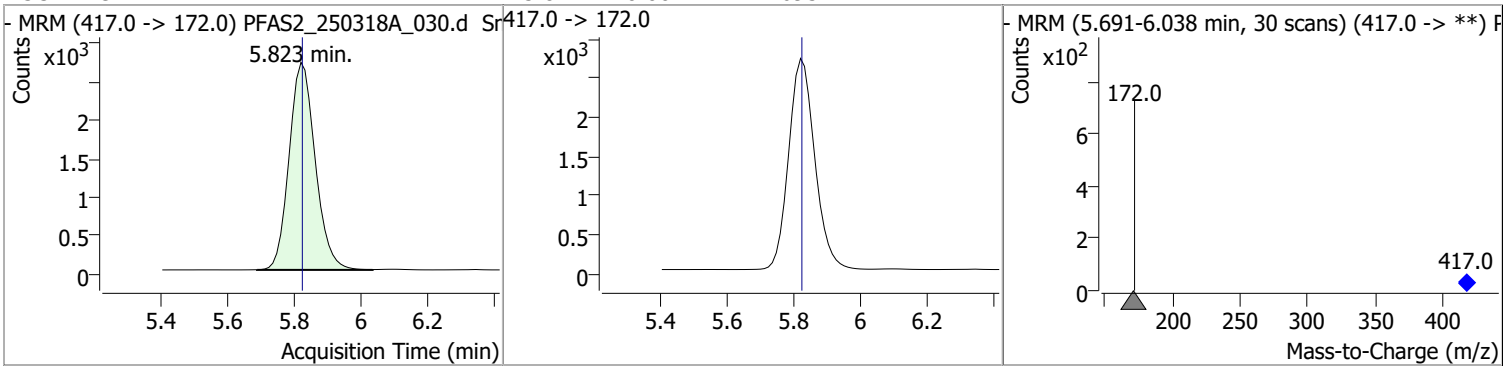
Compound	Conc.	Exp RT	QIon	Exp Ratio
6-2 FTSA	N.D.	5.64	427.0 -> 81.0	25.2



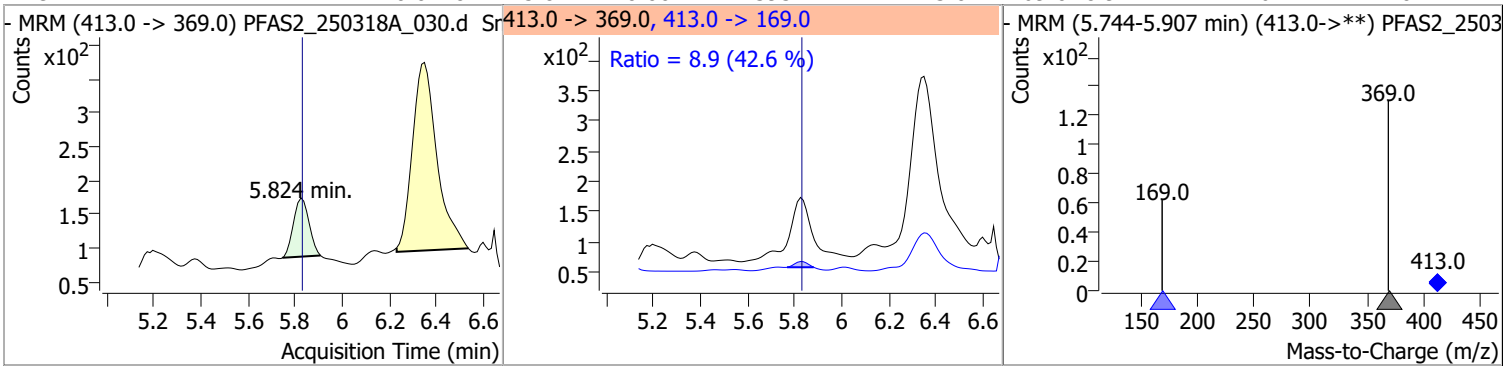
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3488	5.82	0.00	154355				



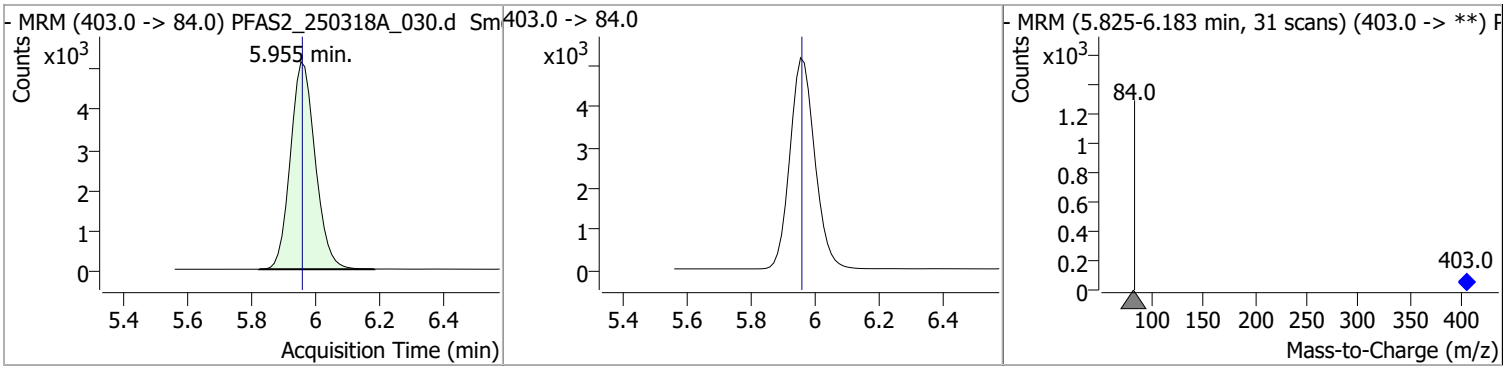
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14695				



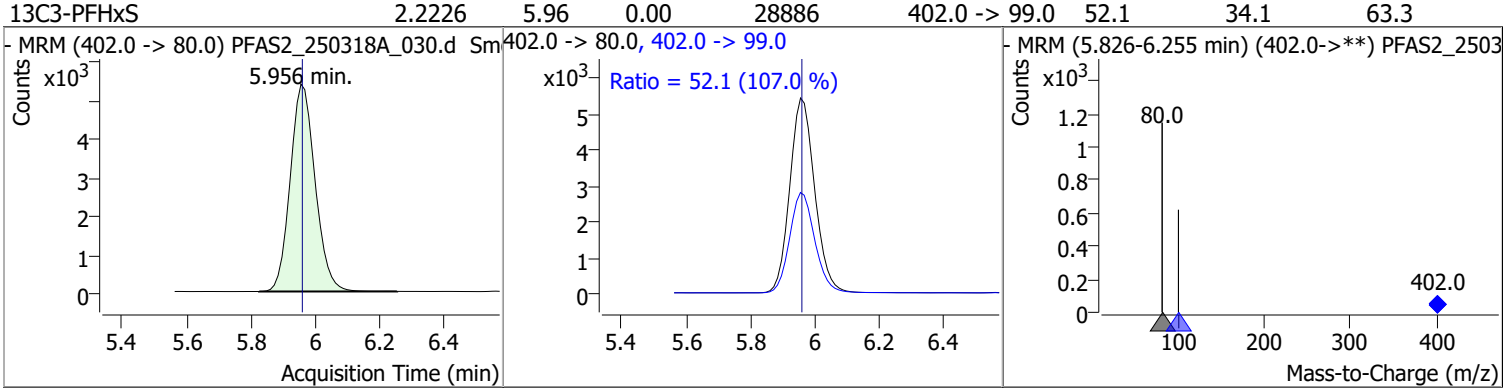
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0428	5.82	0.00	395	413.0 -> 169.0	8.9	14.6	27.0



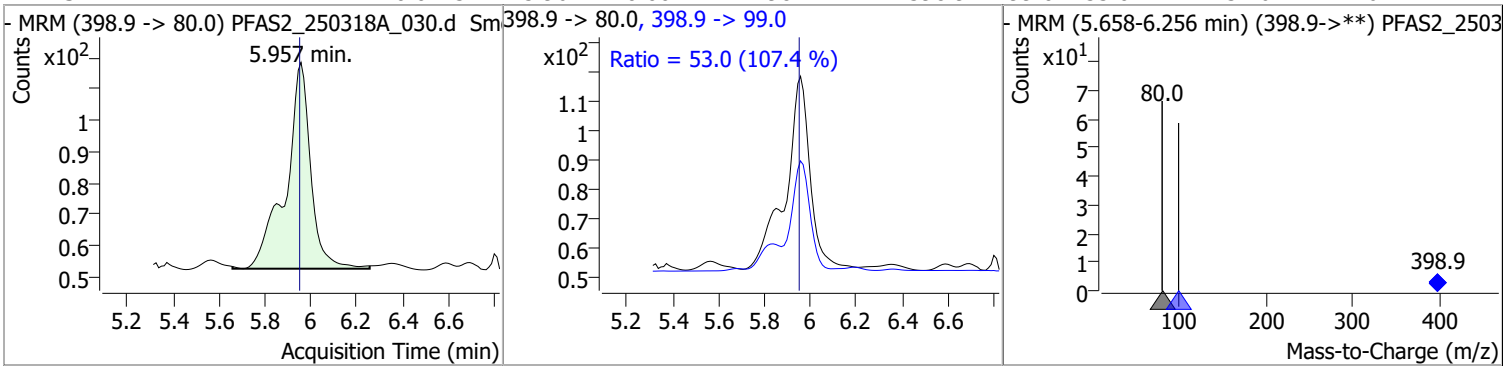
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27554				



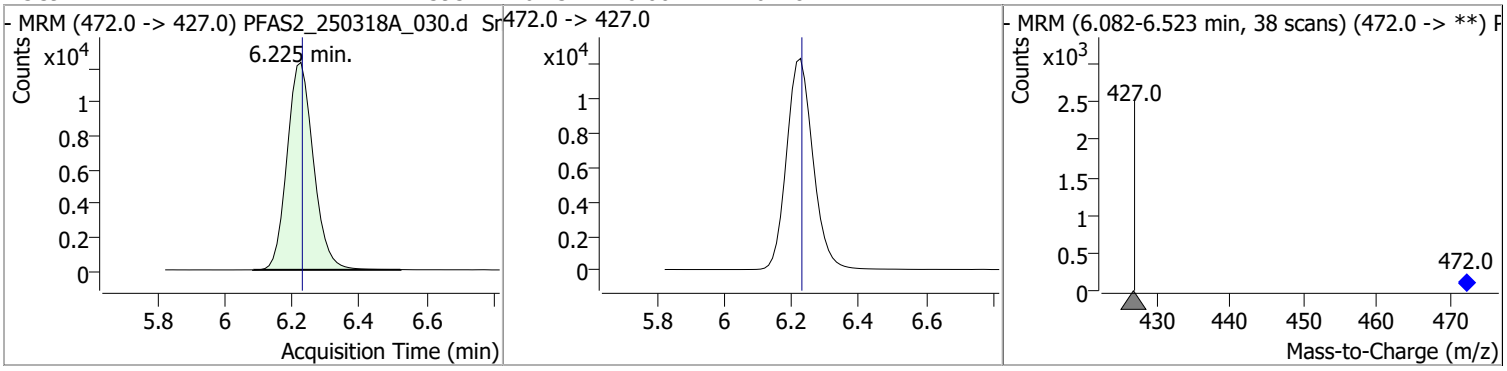
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2226	5.96	0.00	28886	402.0 -> 99.0	52.1	34.1	63.3



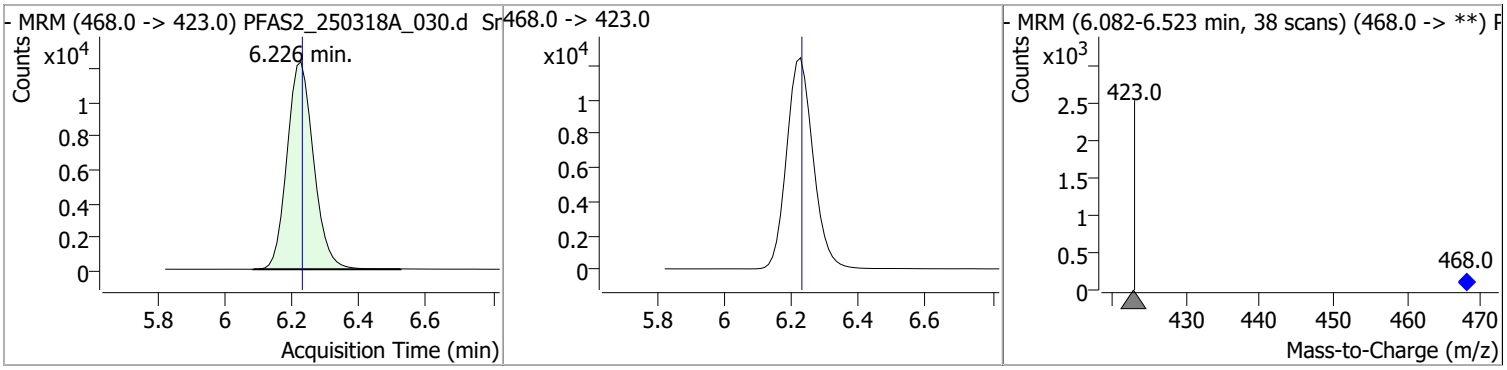
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0443	5.96	0.00	498	398.9 -> 99.0	53.0	34.6	64.2



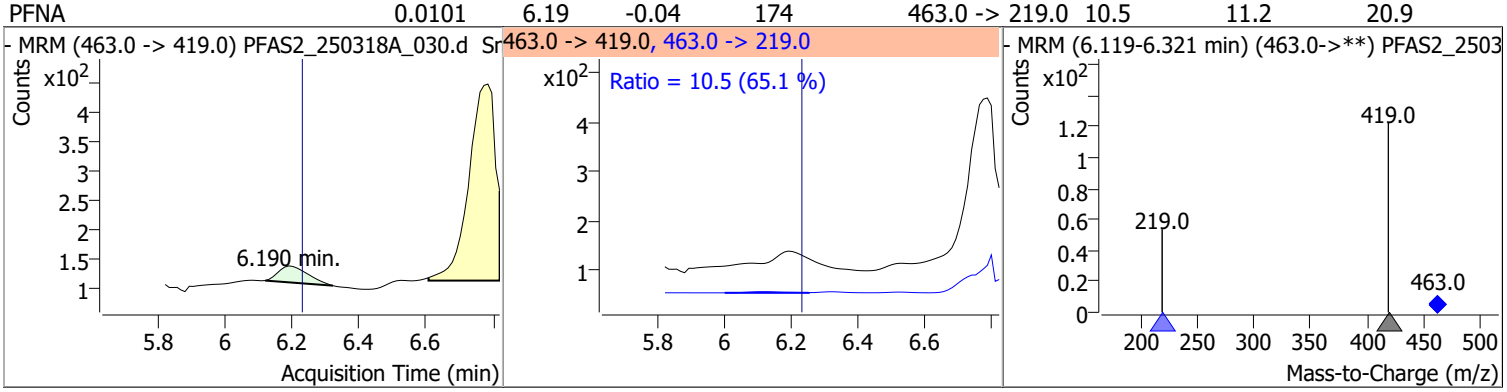
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2395	6.23	0.00	67281				



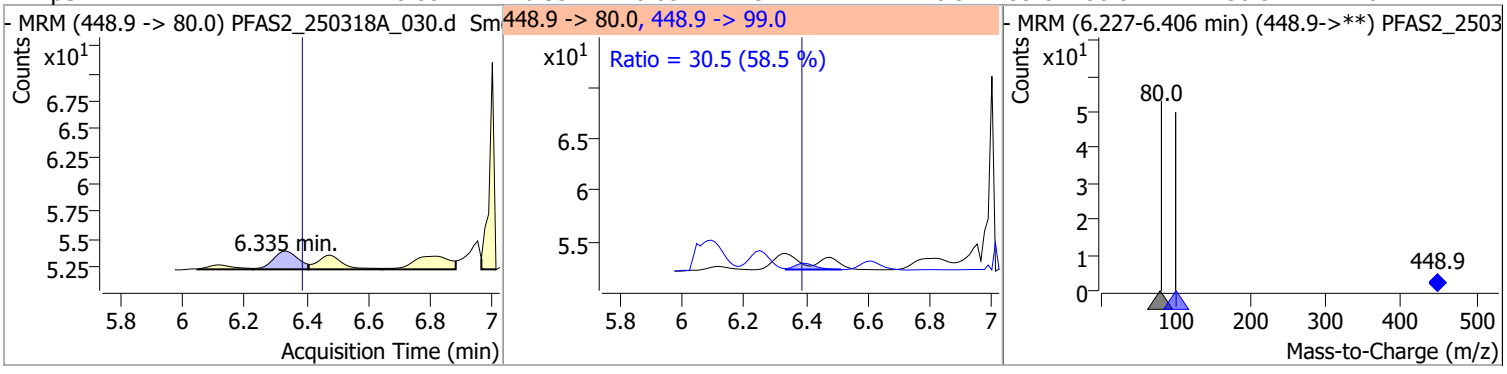
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68504				



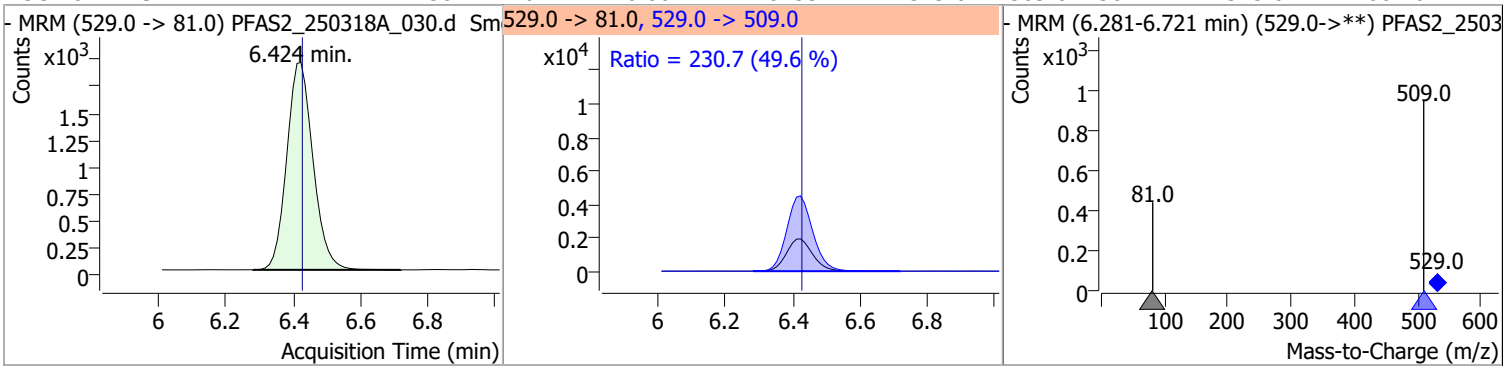
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0101	6.19	-0.04	174	463.0 -> 219.0	10.5	11.2	20.9



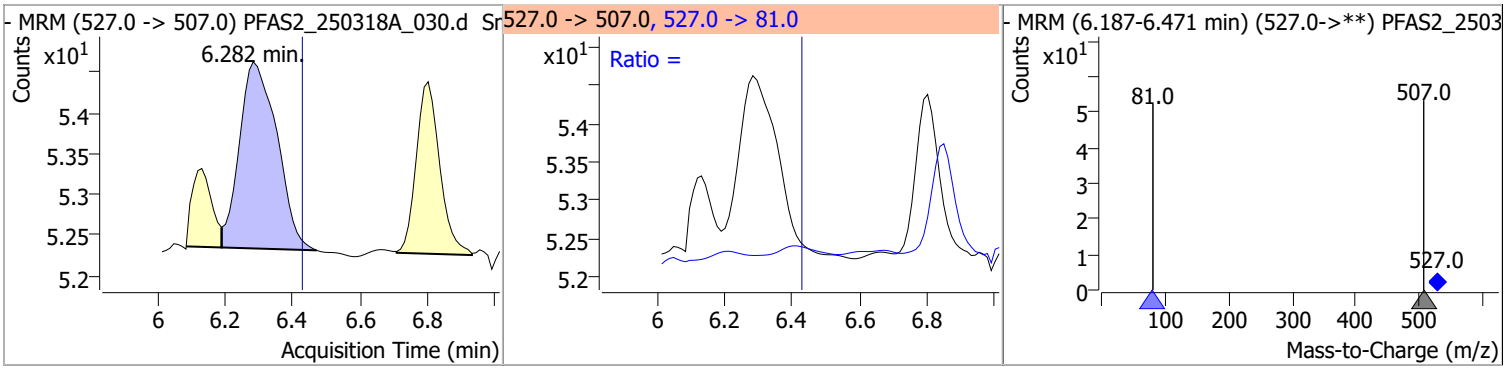
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0011	6.33	-0.05	9	448.9 -> 99.0	30.5	36.5	67.7



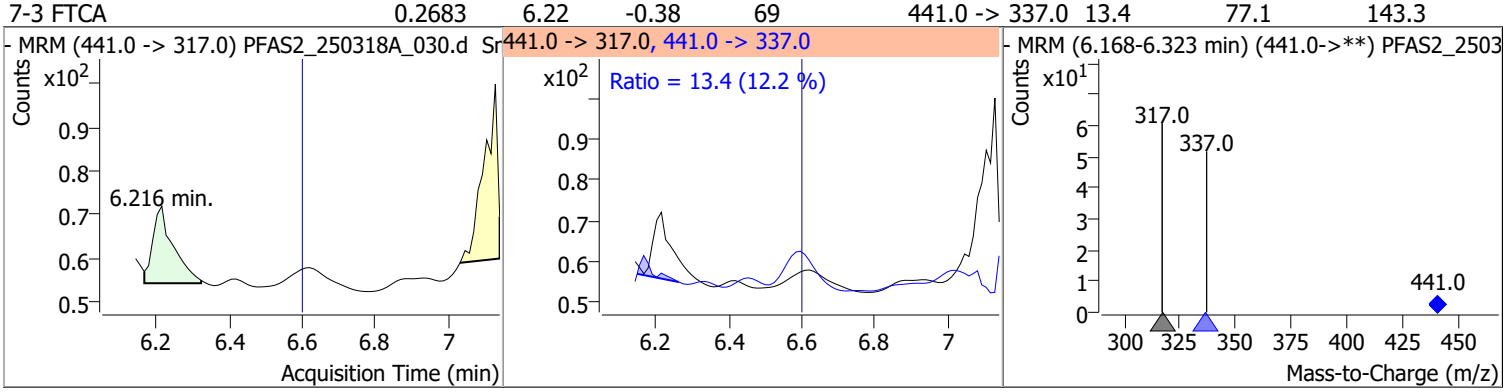
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7384	6.42	0.00	10453	529.0 -> 509.0	230.7	325.6	604.6



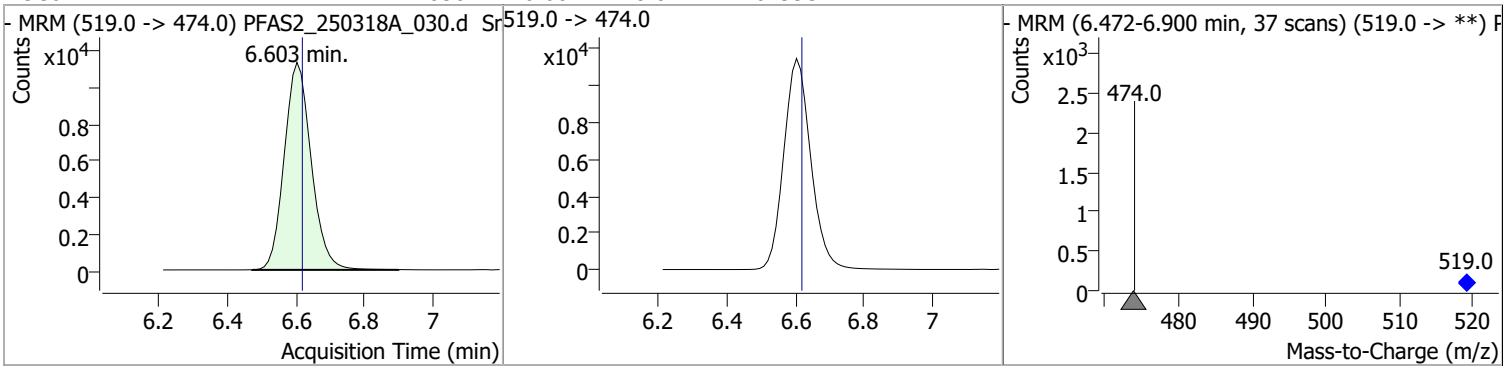
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0761	6.28	-0.14	18	527.0 -> 81.0		19.7	36.6



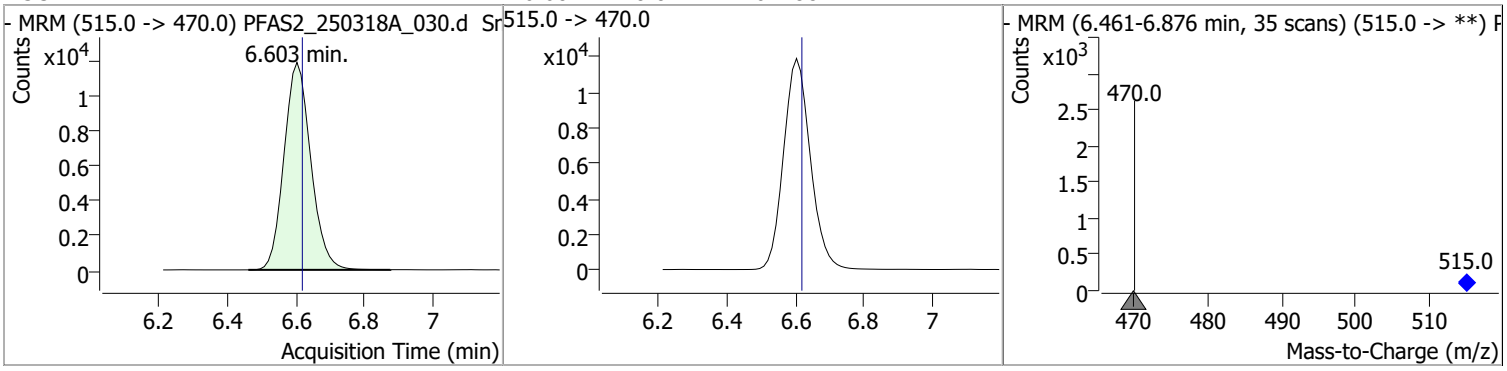
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2683	6.22	-0.38	69	441.0 -> 337.0	13.4	77.1	143.3



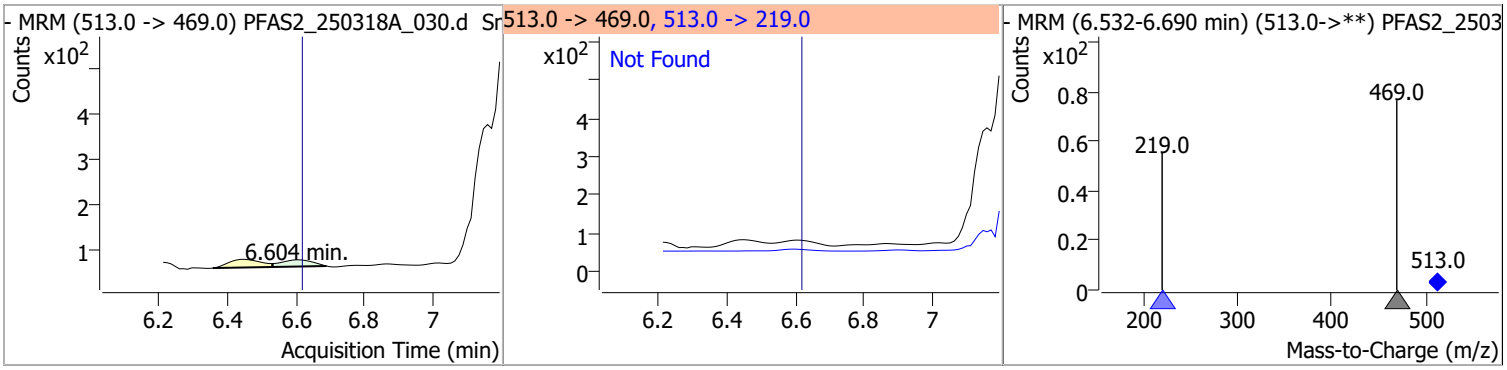
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1850	6.60	-0.01	61993				



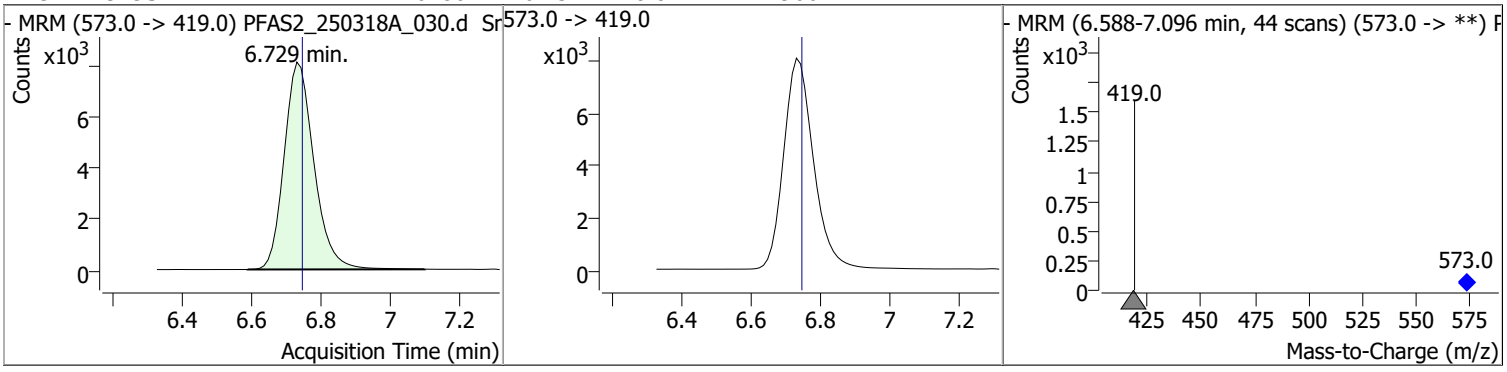
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	64288				



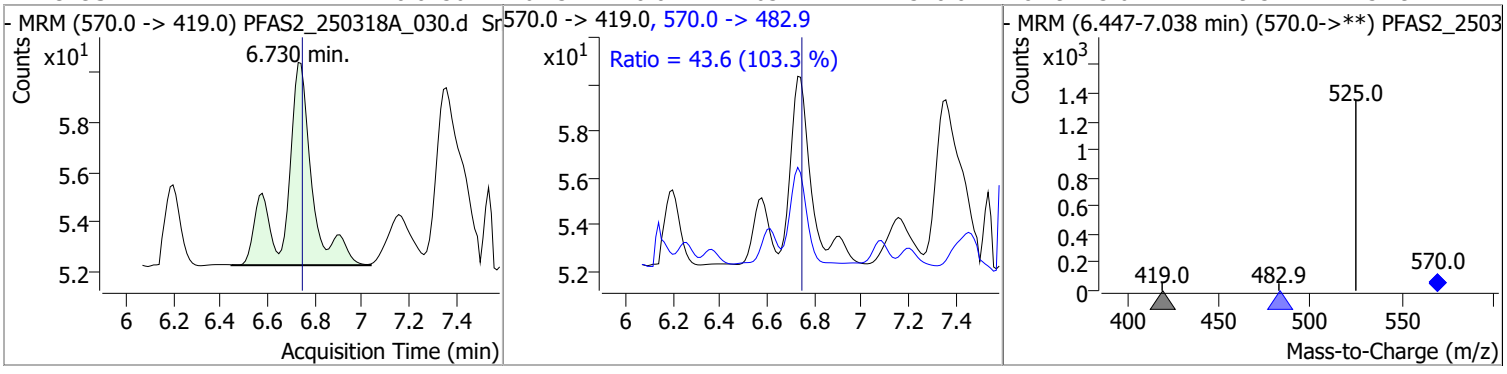
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.60	-0.01	94	513.0 -> 219.0		8.7	16.2



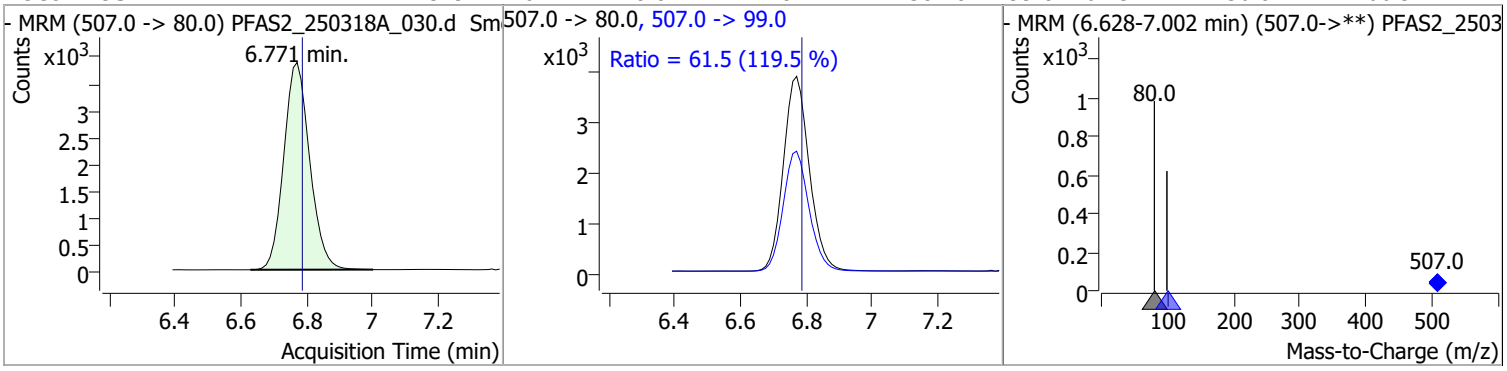
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6486	6.73	-0.01	47966				



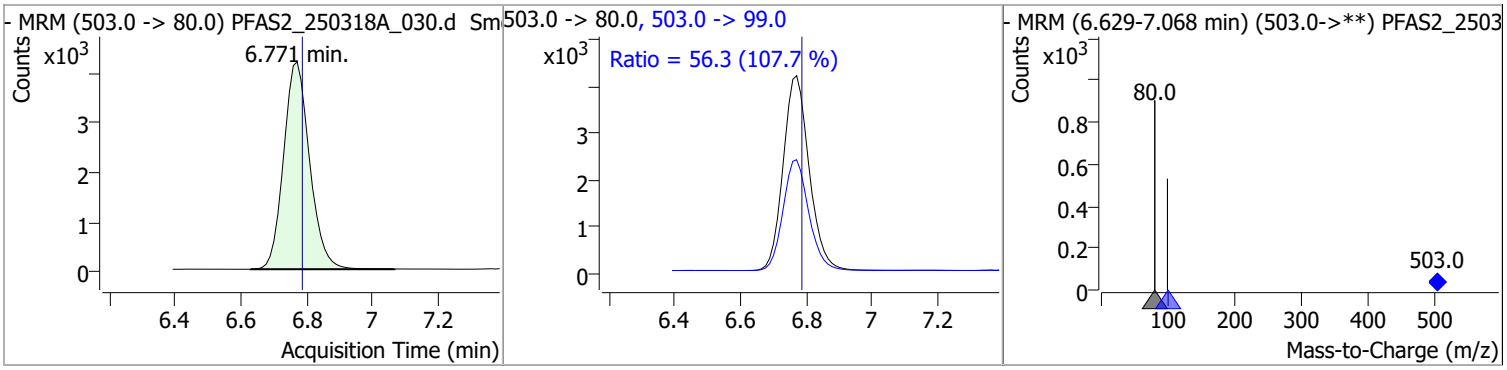
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0156	6.73	-0.01	63	570.0 -> 482.9	43.6	29.5	54.9



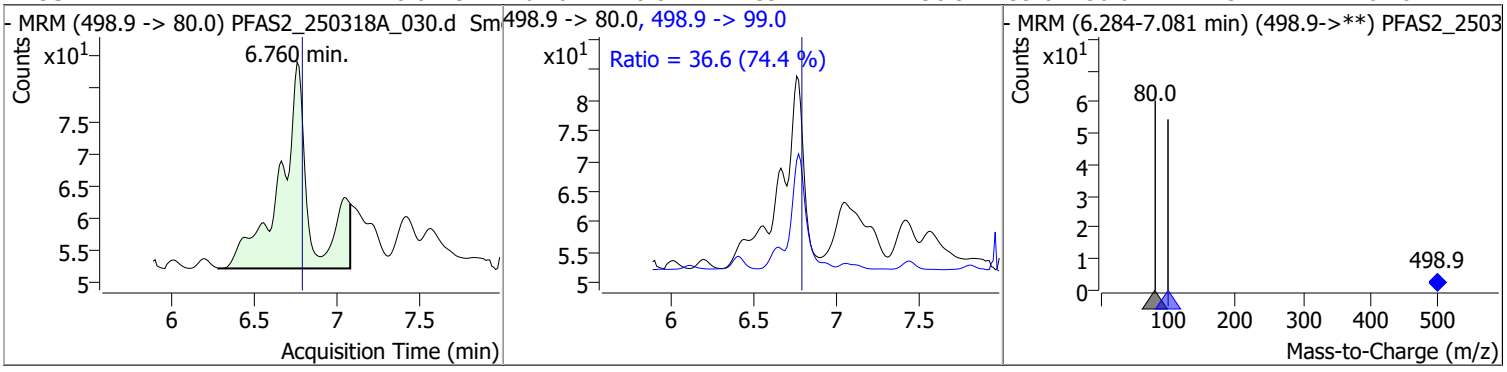
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2579	6.77	-0.01	21074	507.0 -> 99.0	61.5	36.0	66.9



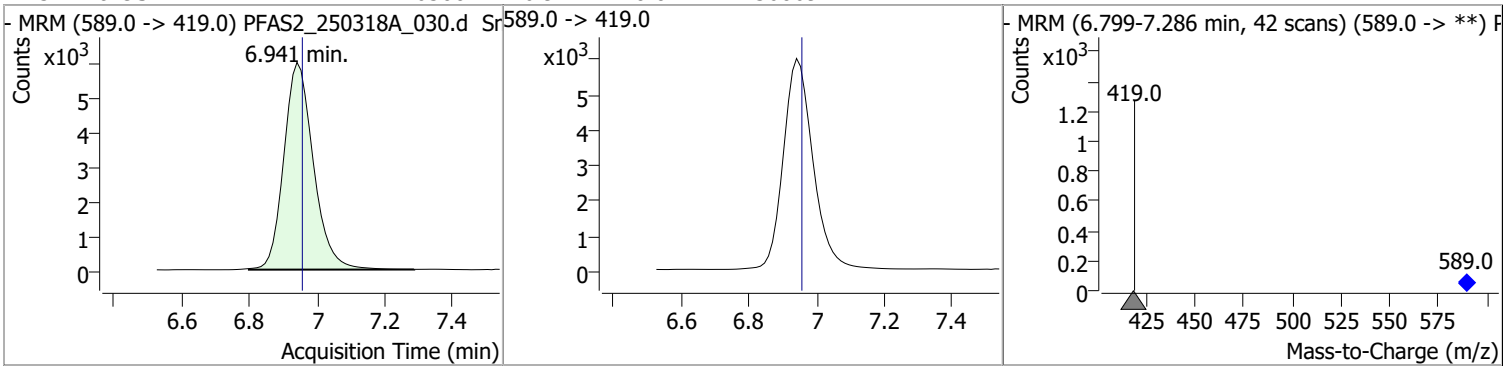
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22997	503.0 -> 99.0	56.3	36.6	67.9



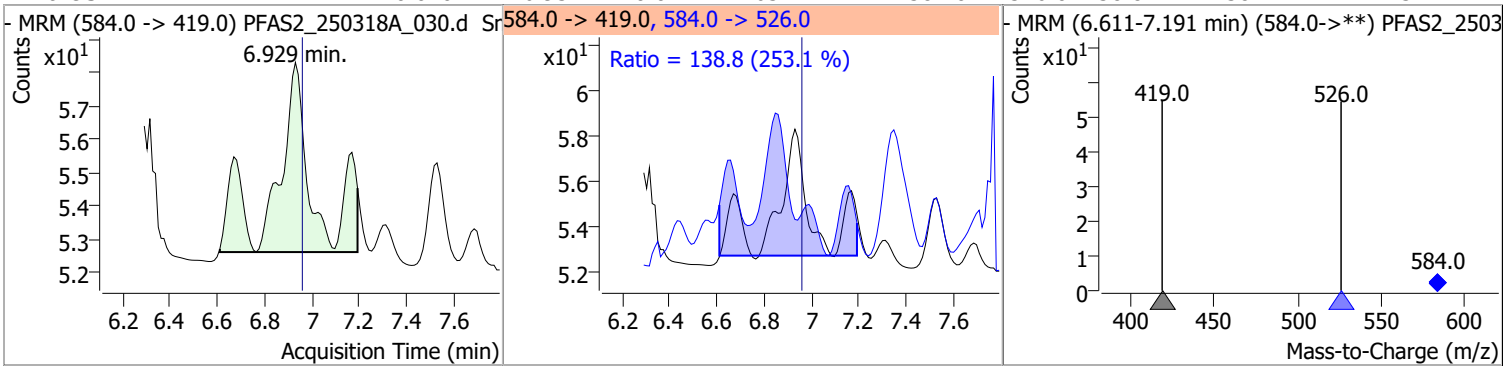
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0773	6.76	-0.02	391	498.9 -> 99.0	36.6	34.4	64.0



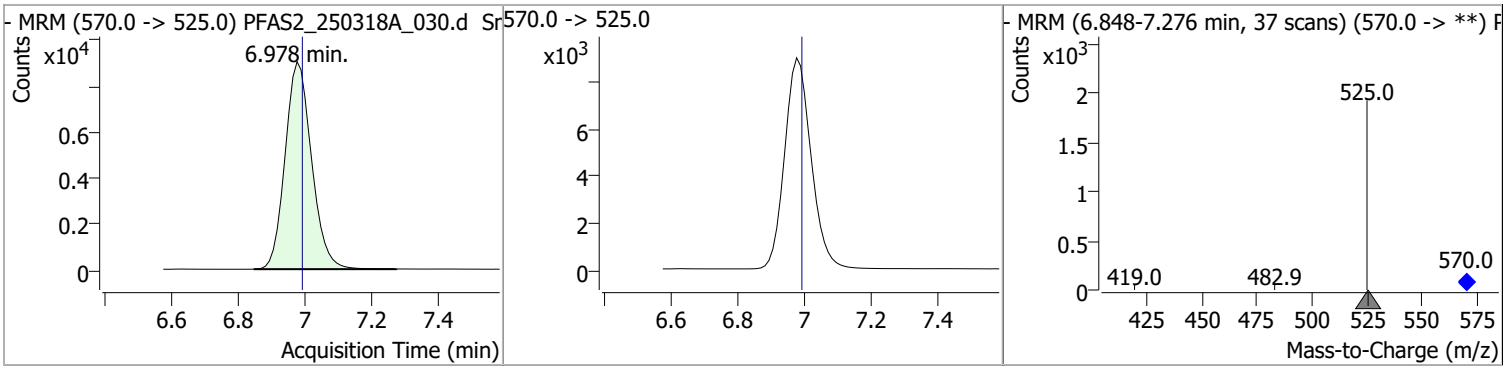
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6300	6.94	-0.01	36069				



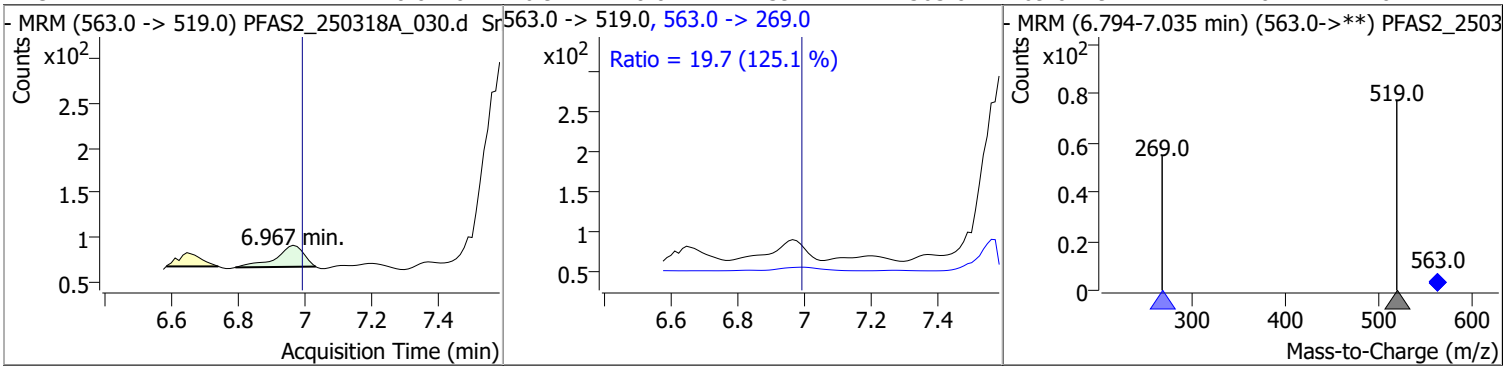
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0204	6.93	-0.02	63	584.0 -> 526.0	138.8	38.4	71.3



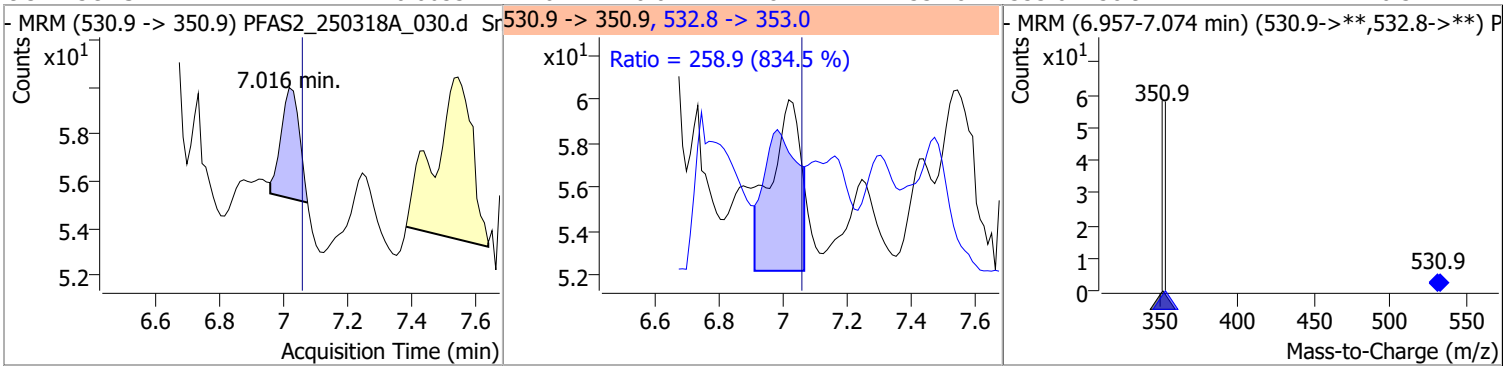
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2026	6.98	-0.01	49583				



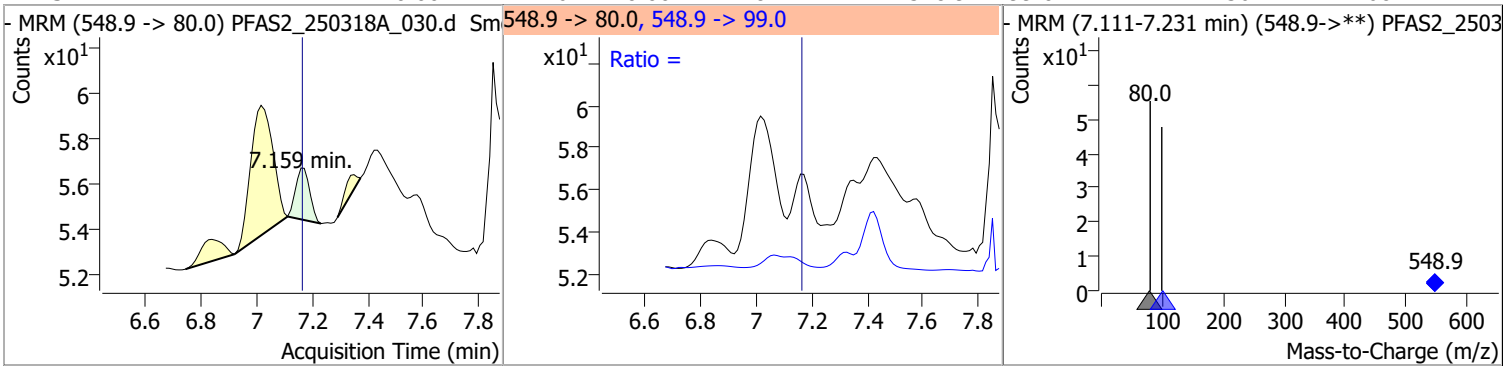
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0170	6.97	-0.02	139	563.0 -> 269.0	19.7	11.0	20.4



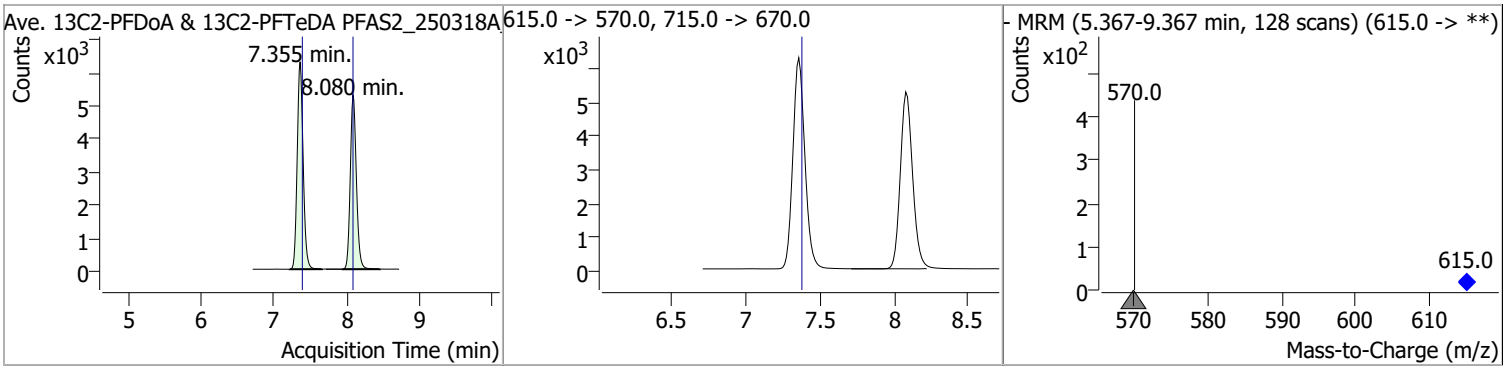
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0653	7.02	-0.04	18	532.8 -> 353.0	258.9	21.7	40.3



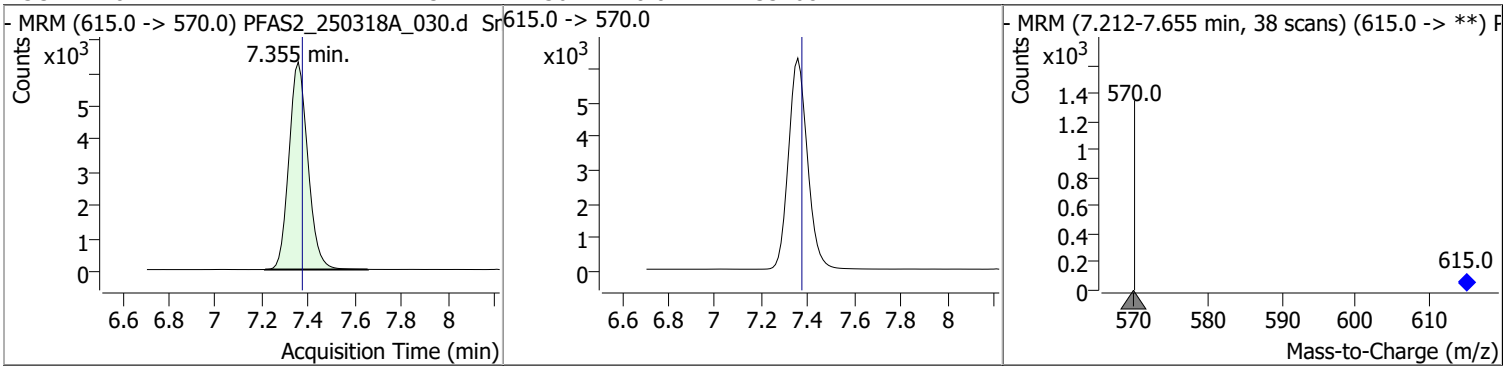
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0011	7.16	0.00	8	548.9 -> 99.0		36.7	68.1



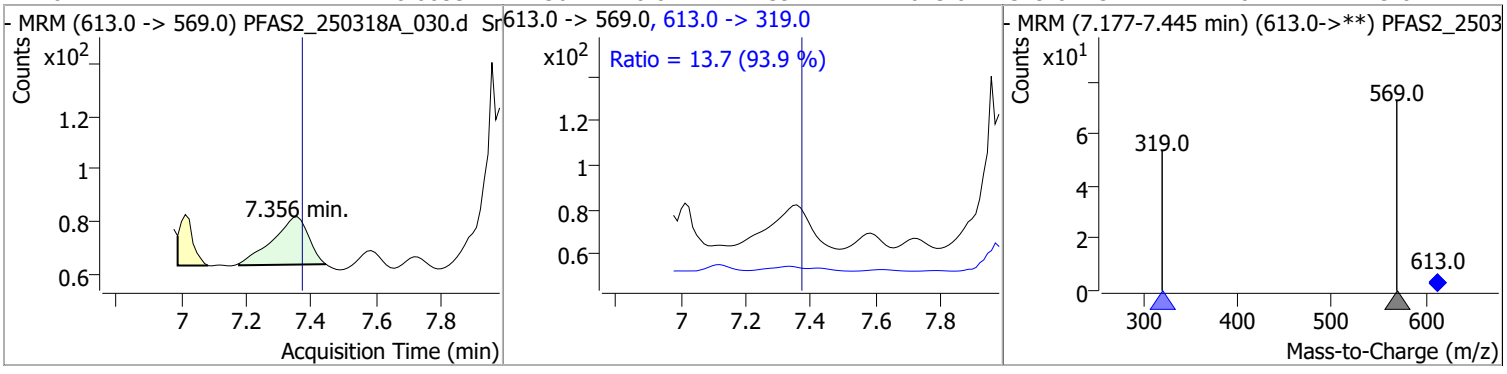
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9733	7.72	0.35	33073				



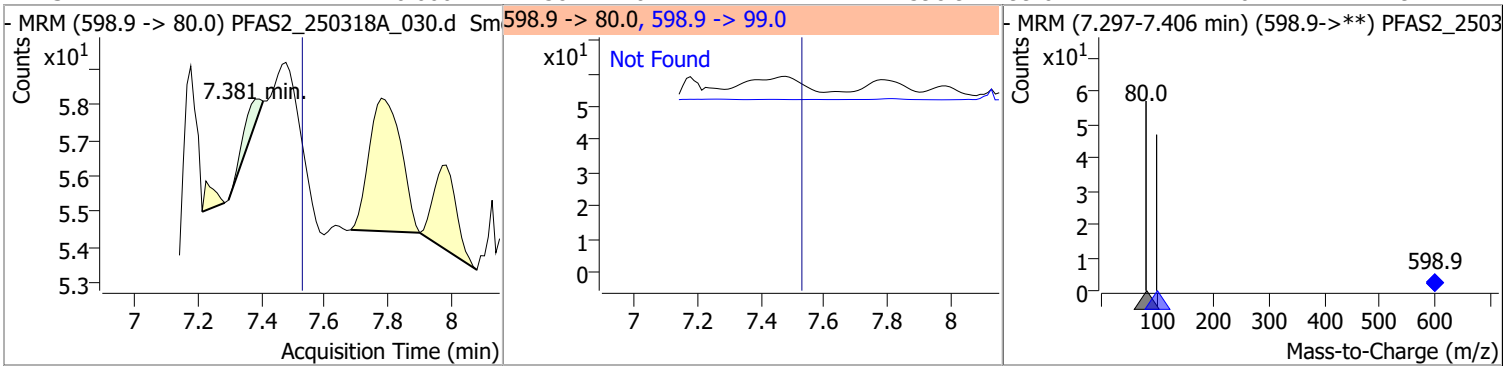
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1547	7.36	-0.01	35468				



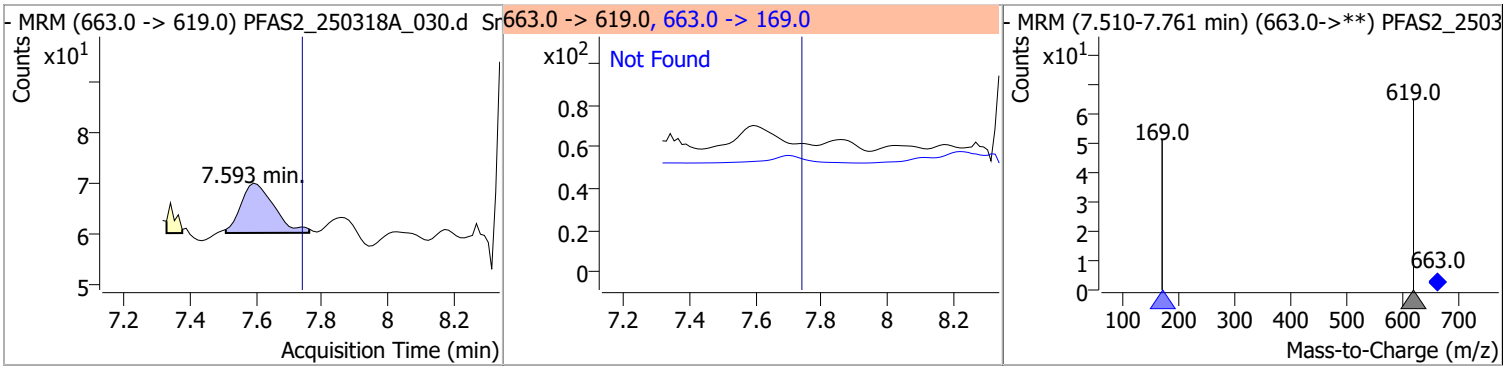
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0053	7.36	-0.01	139	613.0 -> 319.0	13.7	10.2	19.0



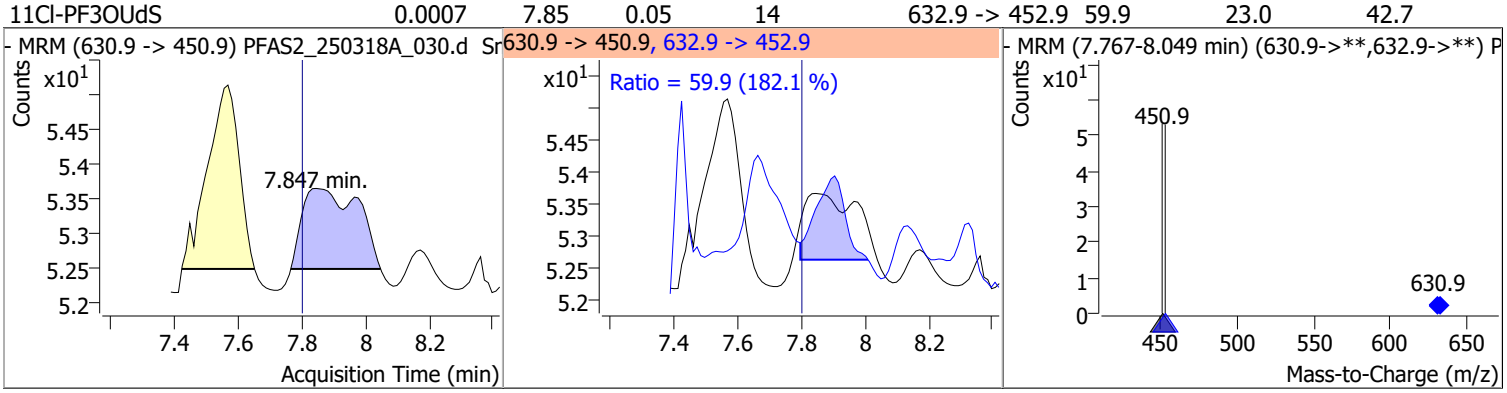
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0007	7.38	-0.14	4	598.9 -> 99.0		40.4	74.9



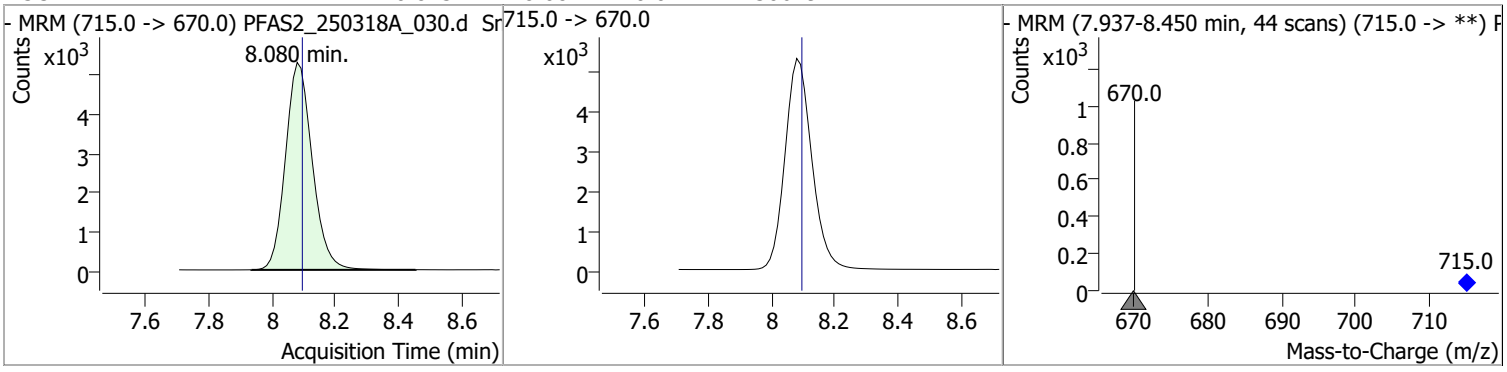
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0027	7.59	-0.14	67	663.0 -> 169.0		7.2	13.4



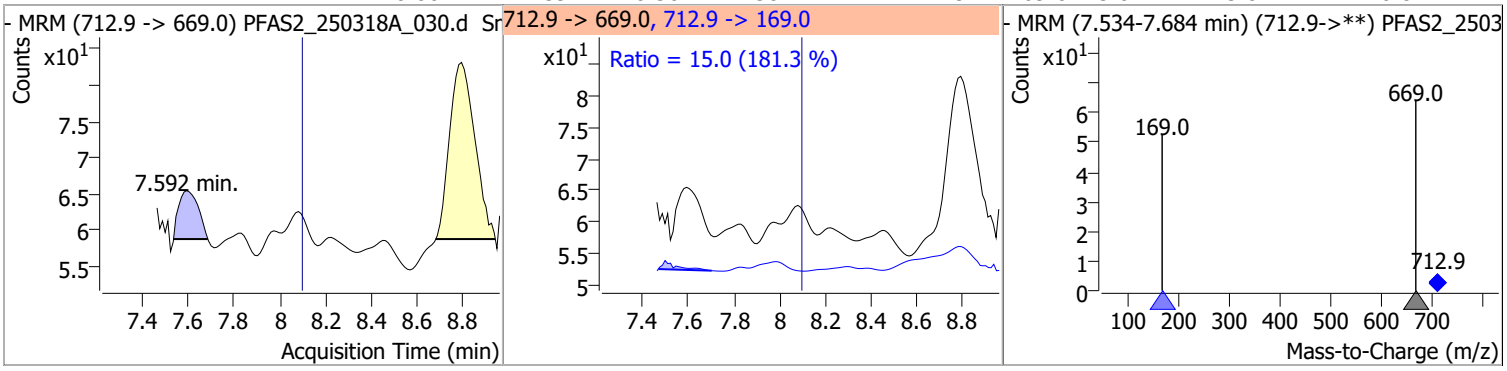
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0007	7.85	0.05	14	632.9 -> 452.9	59.9	23.0	42.7



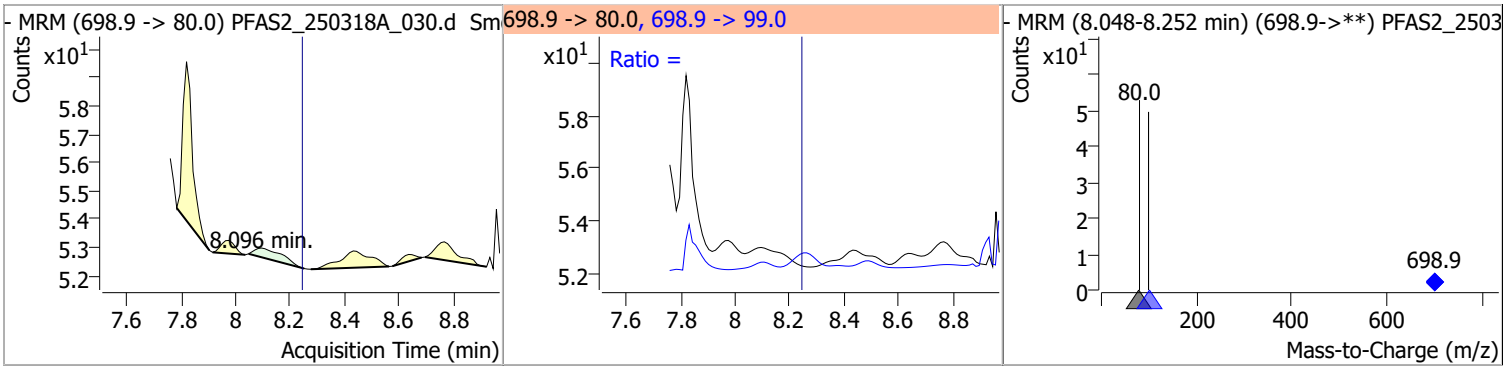
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8237	8.08	-0.01	30679				



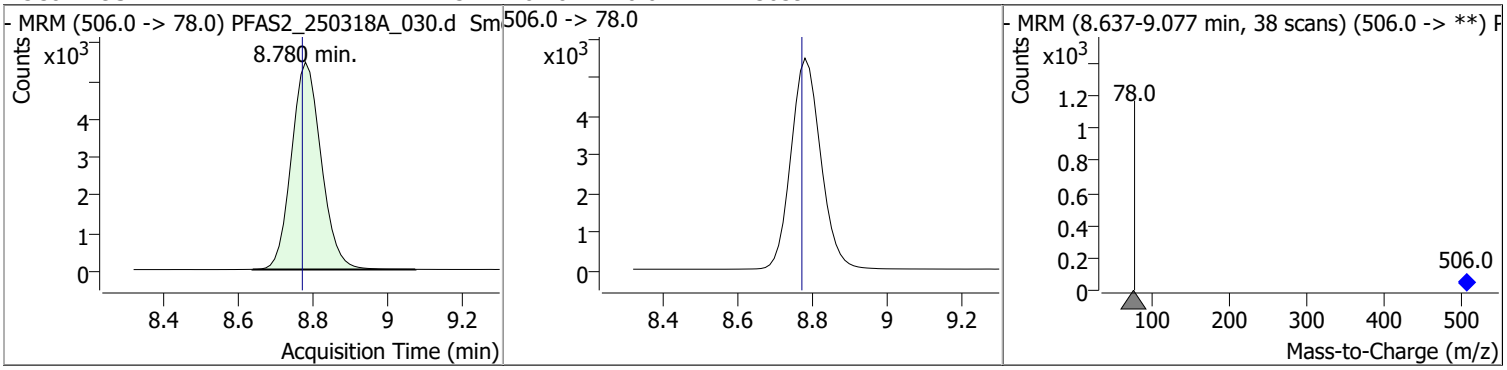
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0077	7.59	-0.50	38	712.9 -> 169.0	15.0	5.8	10.8



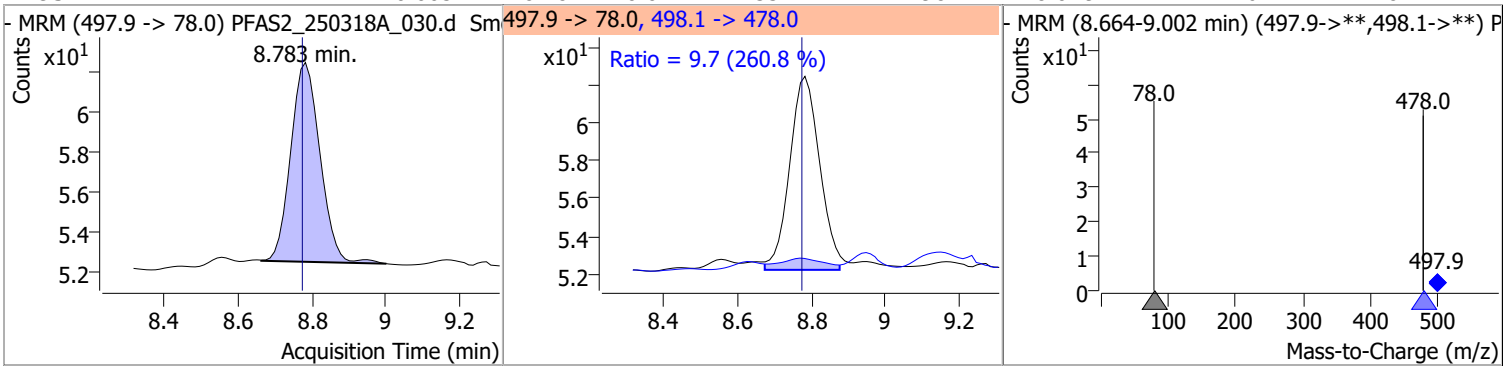
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0008	8.10	-0.14	3	698.9 -> 99.0		41.0	76.1



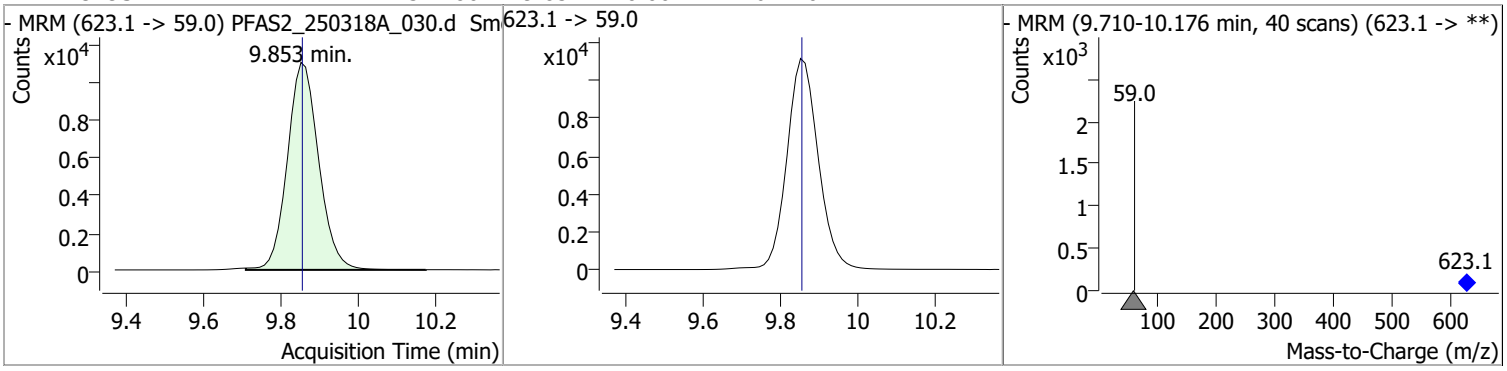
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2223	8.78	0.01	30394				



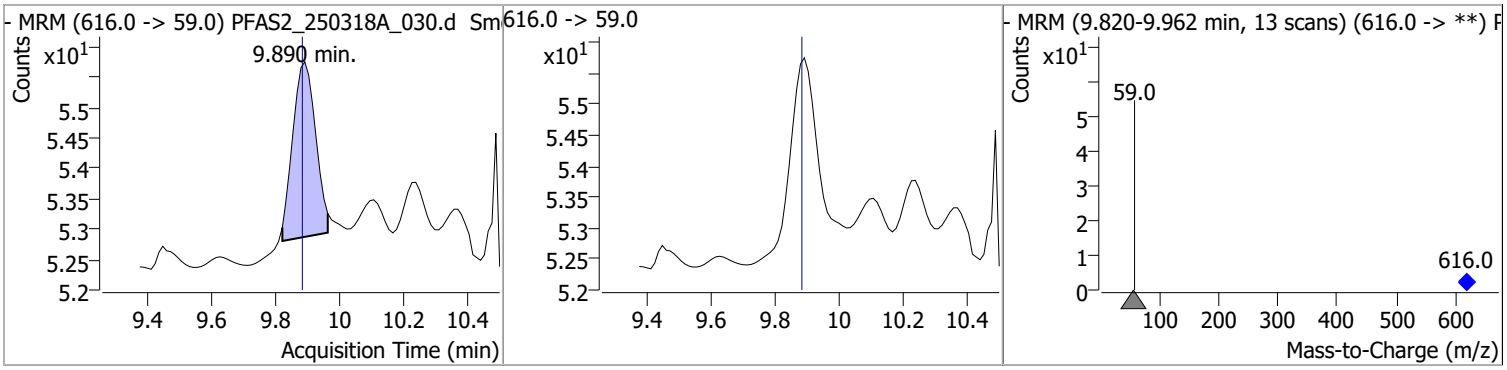
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0052	8.78	0.01	55	498.1 -> 478.0	9.7	2.6	4.8



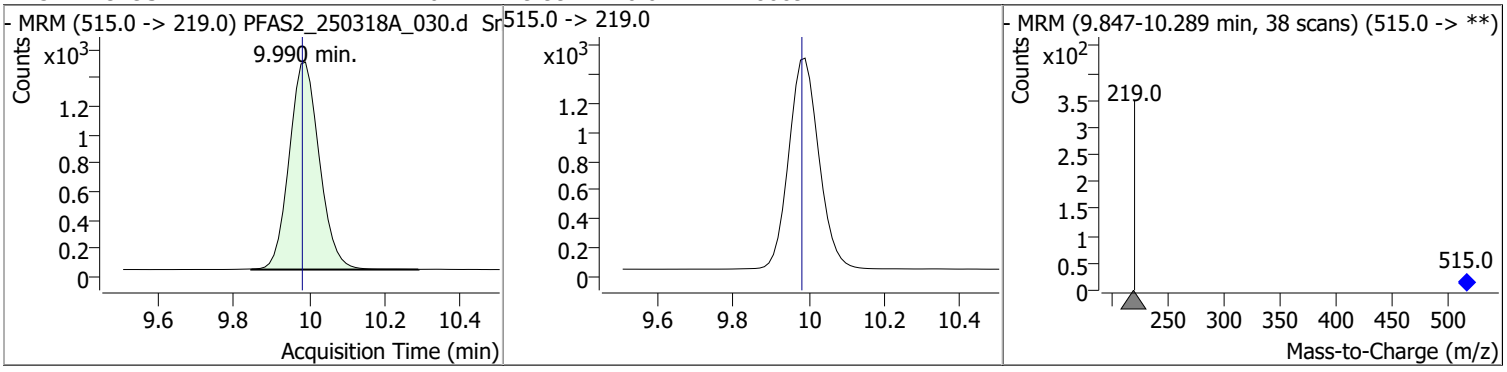
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.4180	9.85	0.00	62210				



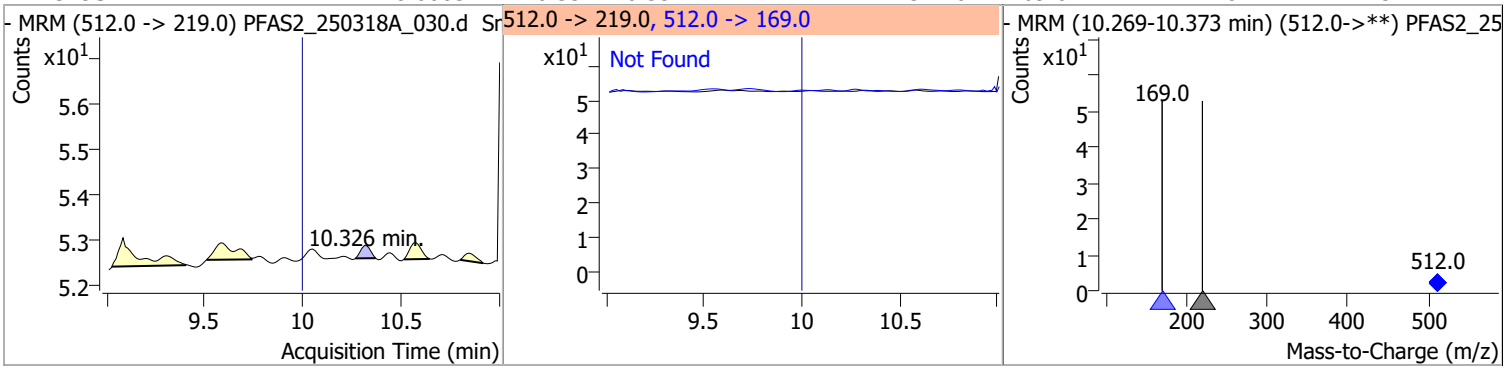
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	14				



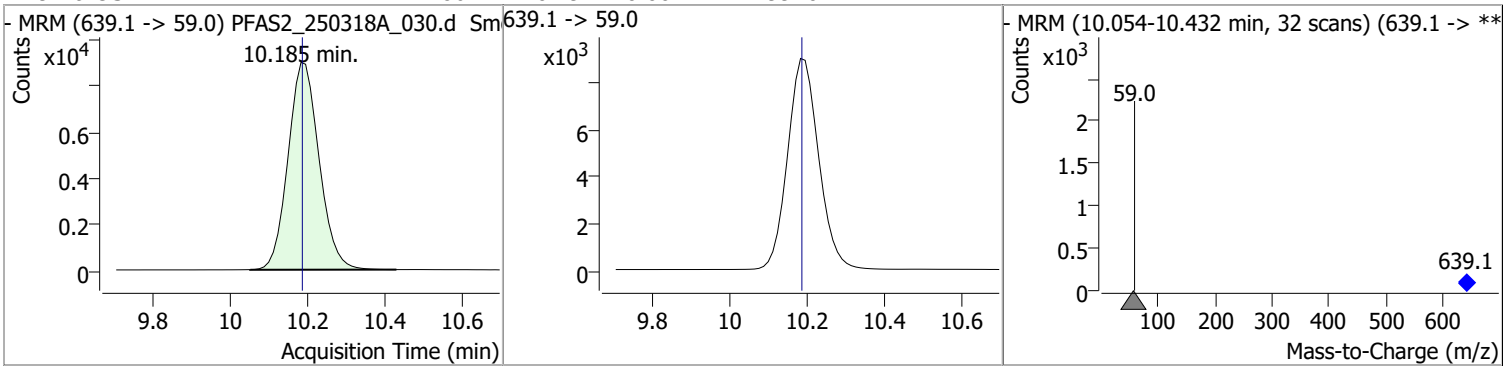
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1074	9.99	0.01	8089				



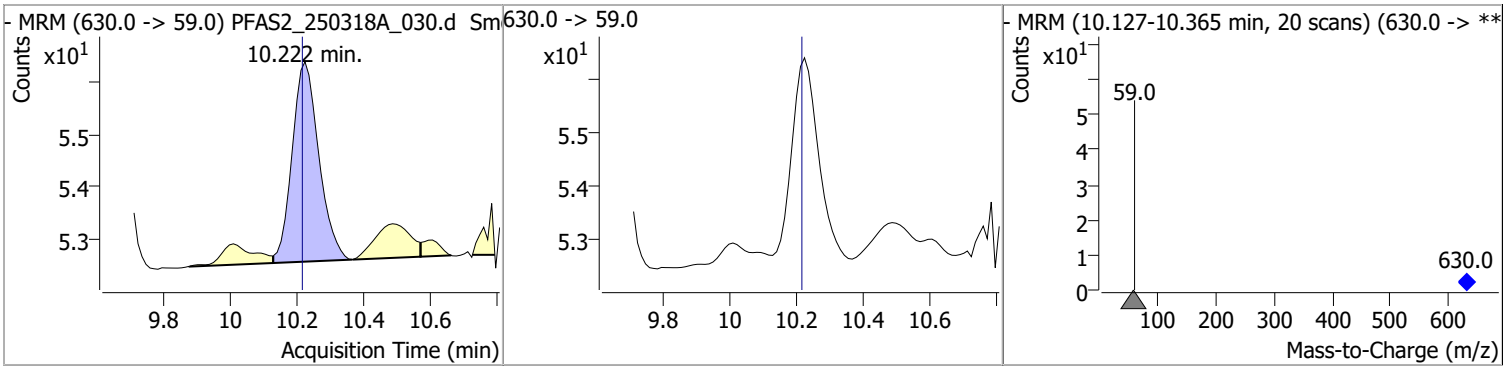
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0003	10.33	0.33	1	512.0 -> 169.0		81.4	151.2



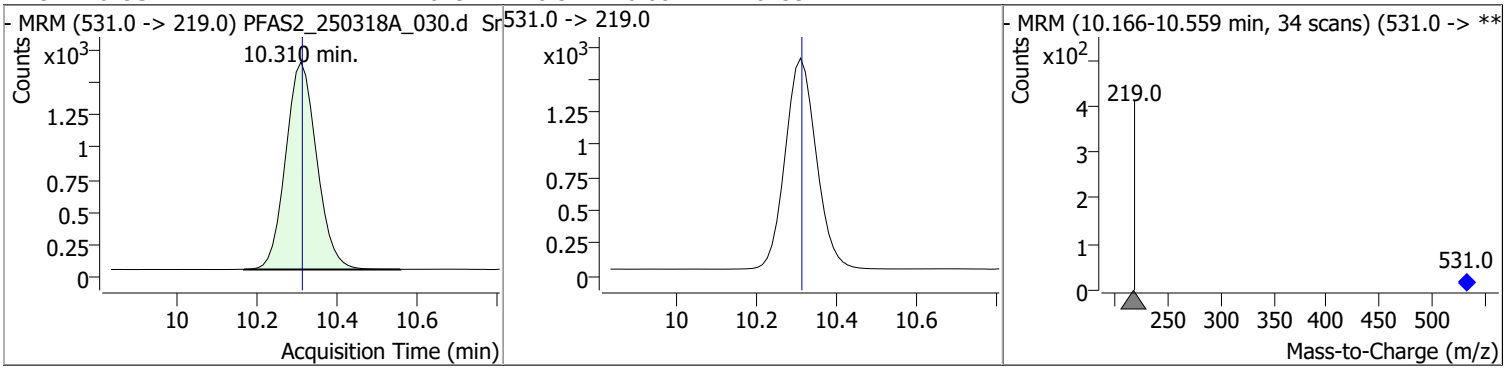
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.2861	10.19	0.00	49940				



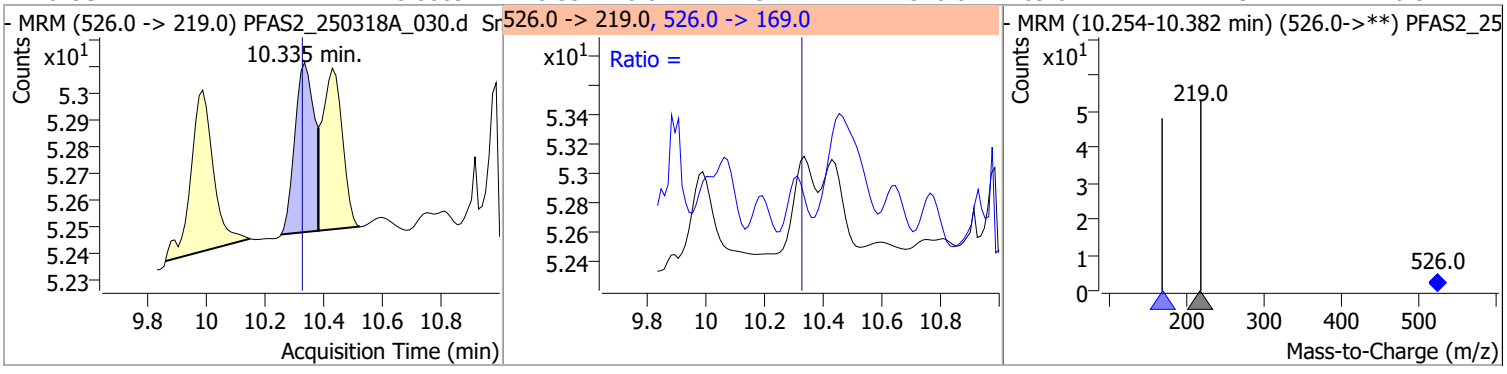
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0214	10.22	0.01	21				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1045	10.31	0.00	8735				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0009	10.33	0.01	3	526.0 -> 169.0	79.1	146.8	



1 - FORM I
ANALYSIS DATA SHEET
E1633

MW29B-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-07	File ID:	PFAS2_250318A_031.d
Sampled:	03/11/25 14:51	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:58
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	517.1747 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.30	0.46	3.09	6.19	J
2706-90-3	PFPeA		0.14	1.55	3.09	U
307-24-4	PFHxA	0.40	0.13	0.77	1.55	J
375-85-9	PFHpA		0.15	0.77	1.55	U
335-67-1	PFOA	0.49	0.12	0.77	1.55	J
375-95-1	PFNA		0.09	0.77	1.55	U
335-76-2	PFDA		0.13	0.77	1.55	U
2058-94-8	PFUnA		0.18	0.77	1.55	U
307-55-1	PFDoA		0.11	0.77	1.55	U
72629-94-8	PFTrDA		0.07	0.77	1.55	U
376-06-7	PFTeDA		0.12	0.77	1.55	U
375-73-5	PFBS	2.77	0.18	0.69	1.37	
2706-91-4	PFPeS	0.42	0.20	0.73	1.46	J
355-46-4	PFHxS	1.97	0.22	0.71	1.41	
375-92-8	PFHpS		0.40	0.73	1.47	U
1763-23-1	PFOS	0.73	0.21	0.90	1.80	J
68259-12-1	PFNS		0.19	0.74	1.49	U
335-77-3	PFDS		0.14	0.74	1.49	U
79780-39-5	PFDoS		0.08	0.75	1.50	U
757124-72-4	4:2FTS		0.40	2.90	5.80	U
27619-97-2	6:2FTS		2.68	2.94	5.88	U
39108-34-4	8:2FTS		0.59	2.97	5.94	U
754-91-6	PFOSA		0.10	0.77	1.55	U
31506-32-8	NMeFOSA		0.25	0.77	1.55	U
4151-50-2	NEtFOSA		0.30	0.77	1.55	U
2355-31-9	NMeFOSAA		0.43	0.77	1.55	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW29B-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-07	File ID:	PFAS2_250318A_031.d
Sampled:	03/11/25 14:51	Prepared:	03/14/25 11:13	Analyzed:	03/18/25 23:58
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	517.1747 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.77	1.55	U
24448-09-7	NMeFOSE	1.60	0.98	7.73	15.5	J
1691-99-2	NEtFOSE	2.49	1.22	7.73	15.5	J
13252-13-6	HFPO-DA		0.40	1.55	3.09	U
919005-14-4	ADONA		0.15	1.46	2.92	U
756426-58-1	9CL-PF3ONS		0.17	1.45	2.89	U
763051-92-9	11CL-PF3OUdS		0.30	1.46	2.92	U
356-02-5	3:3FTCA		0.64	3.09	6.19	U
914637-49-3	5:3FTCA		3.54	15.5	30.9	U
812-70-4	7:3FTCA		2.96	15.5	30.9	U
113507-82-7	PFEESA		0.16	1.38	2.76	U
377-73-1	PFMPA		0.11	1.55	3.09	U
863090-89-5	PFMBA		0.12	1.55	3.09	U
151772-58-6	NFDHA		0.44	1.55	3.09	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_031.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:58:50 PM
Sample Name	O25C0550-07	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

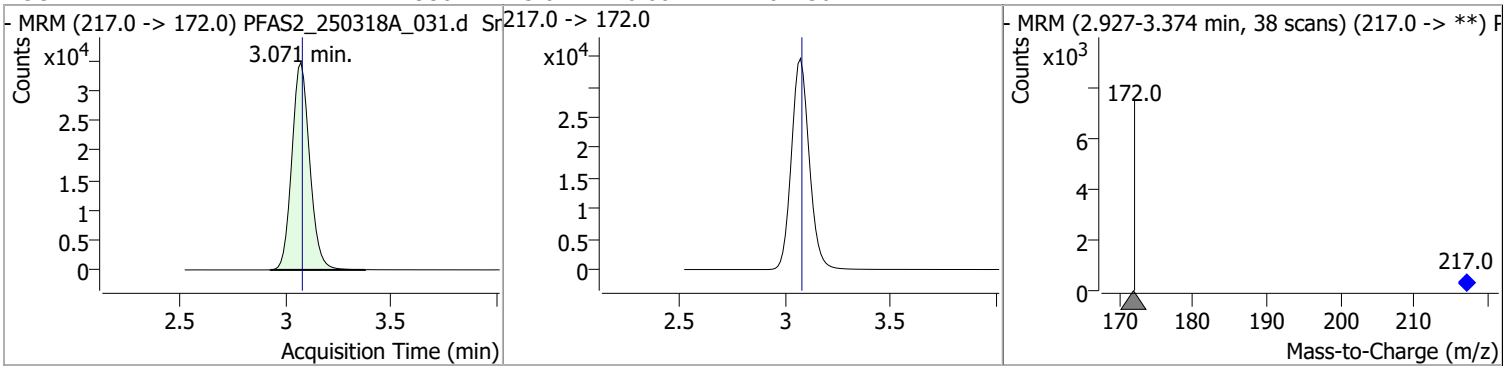
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	112213	5.0000	µg/L		-17.998
13C2-PFHxA	4.890	315.0 -> 270.0	124864	2.5000	µg/L		-18.615
18O2-PFHxS	5.955	403.0 -> 84.0	23989	2.5000	µg/L		-19.037
13C4-PFOA	5.823	417.0 -> 172.0	13083	2.5000	µg/L		-15.308
13C5-PFNA	6.214	468.0 -> 423.0	64853	1.2500	µg/L		-8.879
13C2-PFDA	6.592	515.0 -> 470.0	56764	1.2500	µg/L		-15.121
13C4-PFOS	6.759	503.0 -> 80.0	20930	2.5000	µg/L		-15.973
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	202736	10.0000	µg/L		-34.776
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 79.50%			
13C5-PFPeA	4.222	268.0 -> 223.0	184344	5.0000	µg/L		-10.910
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.47%			
13C5-PFPeA	4.222	268.0 -> 223.0	184344	5.0000	µg/L		-10.910
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.47%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26793	5.0000	µg/L	#	6.048
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.52%			
13C5-PFHxA	4.889	318.0 -> 273.0	138257	2.5000	µg/L		-18.116
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.59%			
13C5-PFHxA	4.889	318.0 -> 273.0	138257	2.5000	µg/L		-18.116
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.59%			
13C3-PFBS	4.929	302.0 -> 80.0	47805	2.5000	µg/L		-21.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.34%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154372	10.0000	µg/L		-11.672
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 108.53%			
13C4-PFHpA	5.397	367.0 -> 322.0	164192	2.5000	µg/L		-13.074
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.84%			
13C3-PFHxS	5.956	402.0 -> 80.0	29181	2.5000	µg/L		-16.504
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.16%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15096	5.0000	µg/L	#	2.215
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 126.39%			
13C8-PFOA	5.823	421.0 -> 376.0	153387	2.5000	µg/L		-11.203
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	29181	2.5000	µg/L		-16.504
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.16%			
13C9-PFNA	6.213	472.0 -> 427.0	66192	1.2500	µg/L		-6.062
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.04%			
13C8-PFOS	6.759	507.0 -> 80.0	21418	2.5000	µg/L		-15.291
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.85%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11070	5.0000	µg/L	#	-6.546
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.28%			
13C6-PFDA	6.591	519.0 -> 474.0	62680	1.2500	µg/L		-7.770
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.56%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49345	5.0000	µg/L		-11.598
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.09%			
13C8-PFOS	6.759	507.0 -> 80.0	21418	2.5000	µg/L		-15.291

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.85%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36406	5.0000	µg/L		-13.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.69%			
13C7-PFUnDA	6.978	570.0 -> 525.0	48854	1.2500	µg/L		-8.859
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.36%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	34787	1.2500	µg/L		-21.144
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.75%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35699	1.2500	µg/L		-10.630
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.30%			
13C2-PFTDA	8.080	715.0 -> 670.0	33876	1.2500	µg/L		-29.842
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.40%			
13C8-PFOSA	8.780	506.0 -> 78.0	30526	2.5000	µg/L		-17.409
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.09%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62119	25.0000	µg/L		-50.560
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 58.88%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8153	2.5000	µg/L		-21.369
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
2H9-EtFOSE	10.185	639.1 -> 59.0	51866	25.0000	µg/L		-18.333
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8484	2.5000	µg/L		-24.517
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.84%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6479	0.4451	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.742	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.041	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.834	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	2044	0.0413	µg/L	#	97
PFBS	4.930	298.9 -> 80.0	5692	0.2869	µg/L		90
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	0.000		0	N.D.			
PFHpA	5.410	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.435	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	683	0.0434	µg/L	#	72
DONA	6.114	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	389	0.1464	µg/L		91
PFOA	5.824	413.0 -> 369.0	901	0.0512	µg/L	m	98
PFHxS	5.957	398.9 -> 80.0	2310	0.2035	µg/L		84
PFNA	6.071	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.239	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.707	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	384	0.0757	µg/L	#	75
N-EtFOSAA	6.941	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.183	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.502	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.713	663.0 -> 619.0	0	0.0000	µg/L	md	

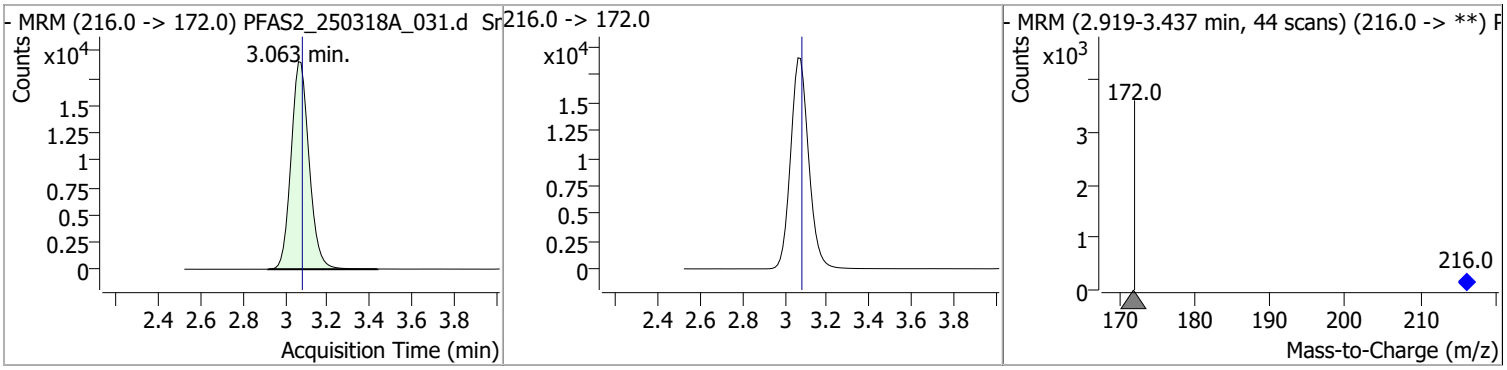
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	173	0.0085	µg/L		93
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.228	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	397	0.1656	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	50	0.0163	µg/L		84
EtFOSE	10.222	630.0 -> 59.0	462	0.2574	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	97	0.0298	µg/L		86

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

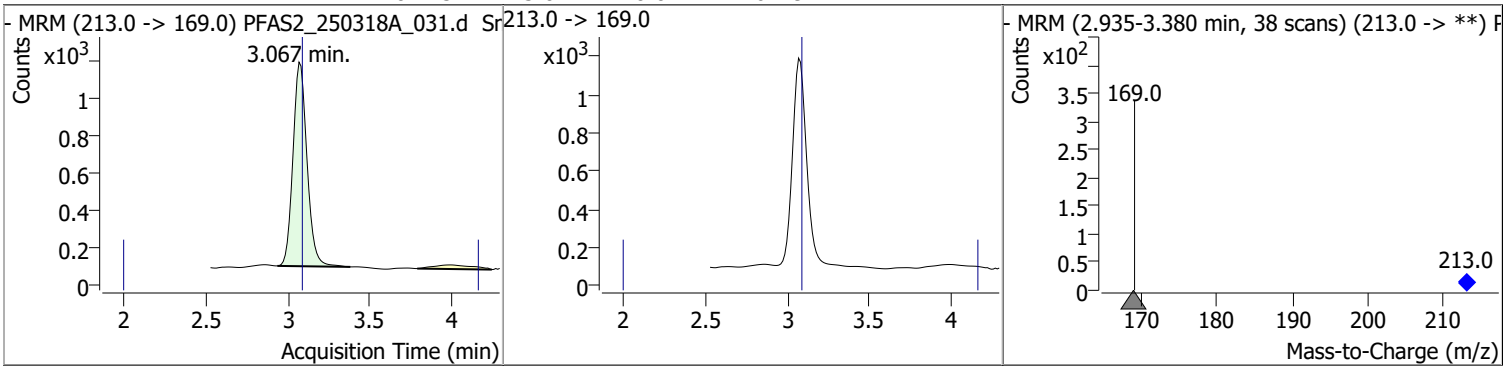
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.9504	3.07	0.00	202736				



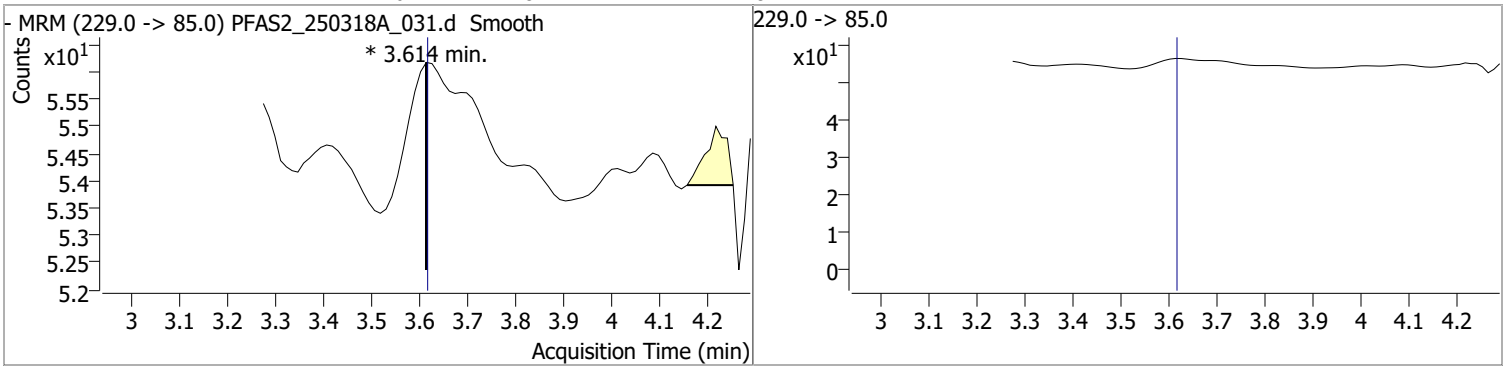
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	112213				



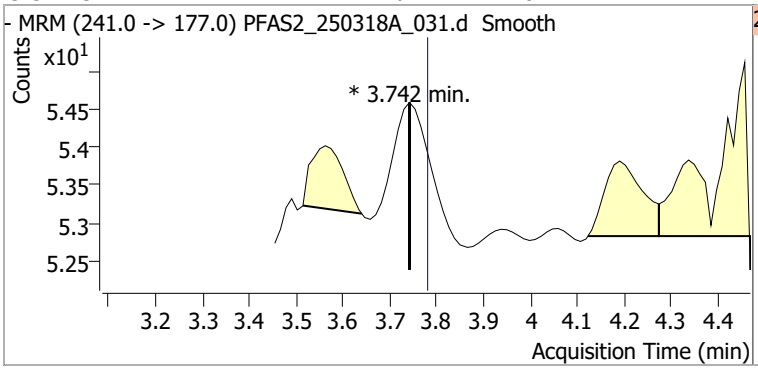
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4451	3.07	-0.01	6479				

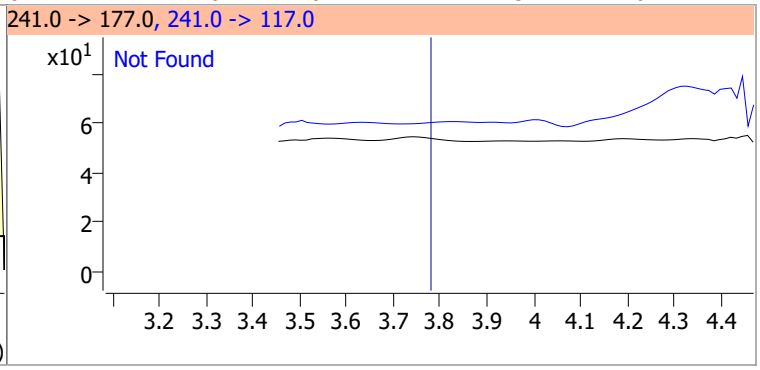


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

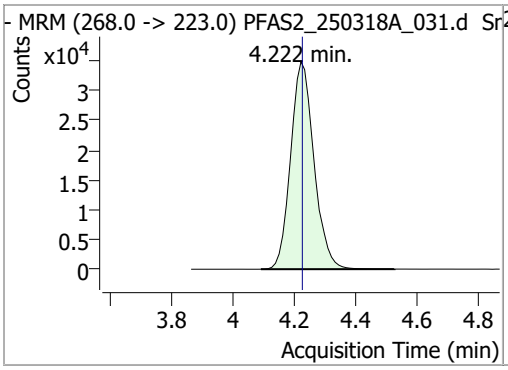


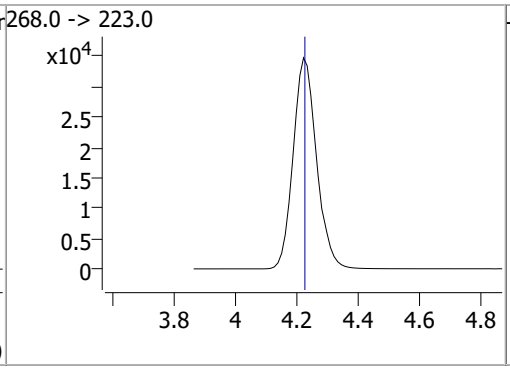
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

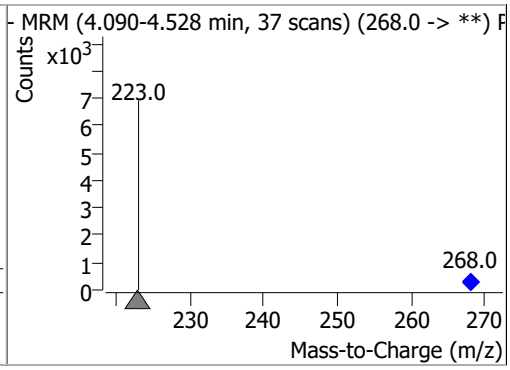




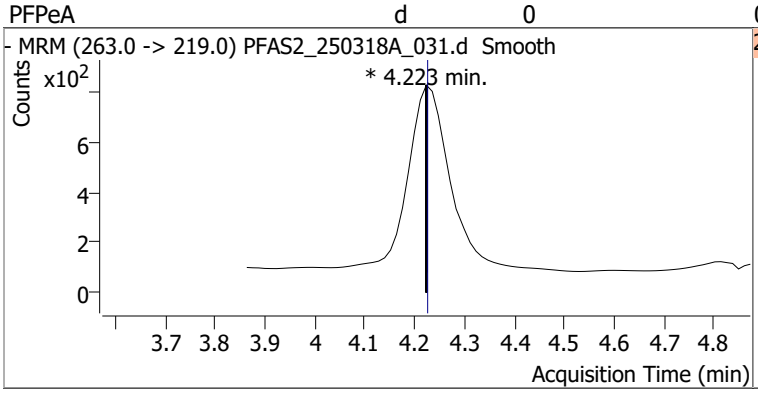
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.4737	4.22	0.00	184344				

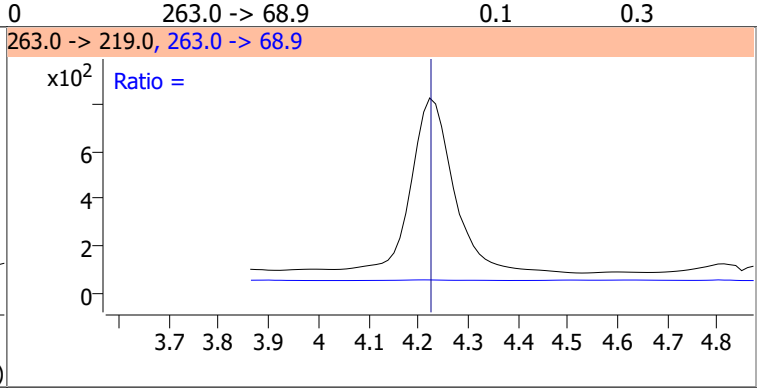




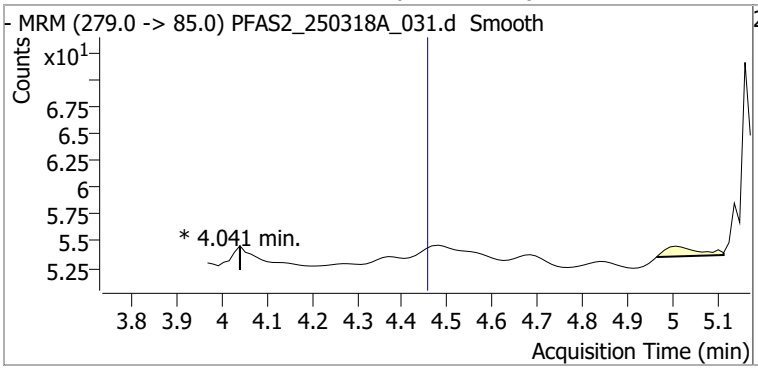


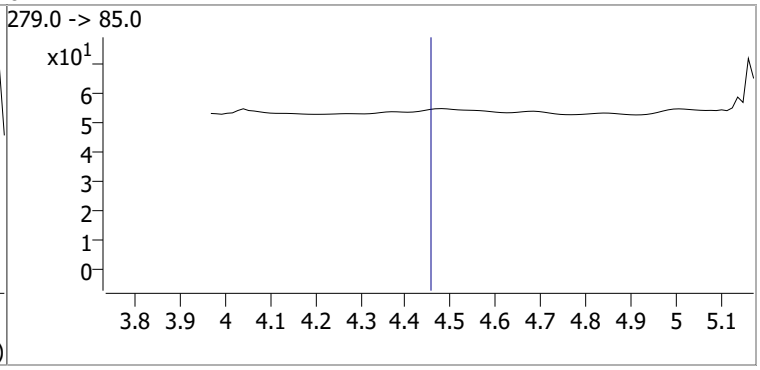
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



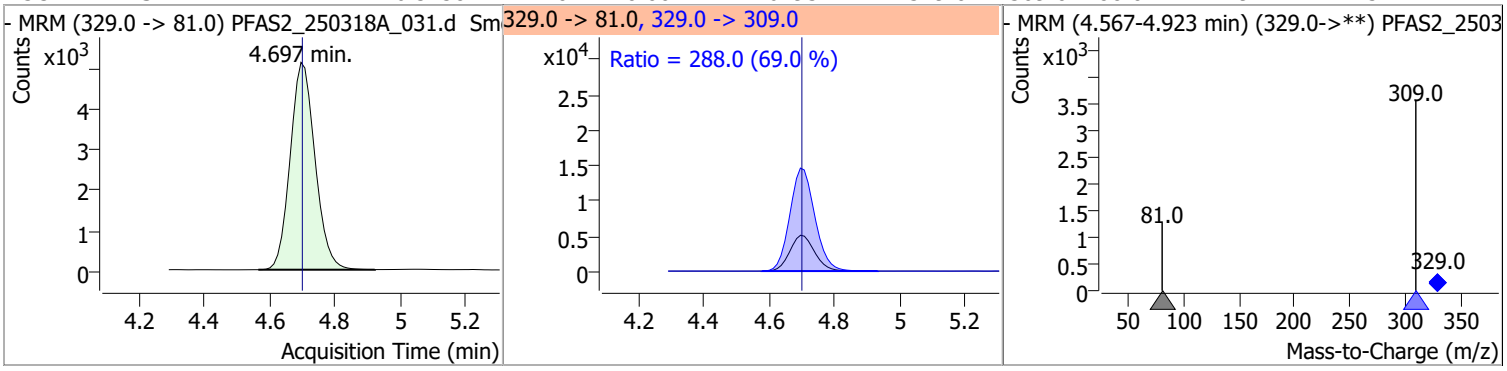


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

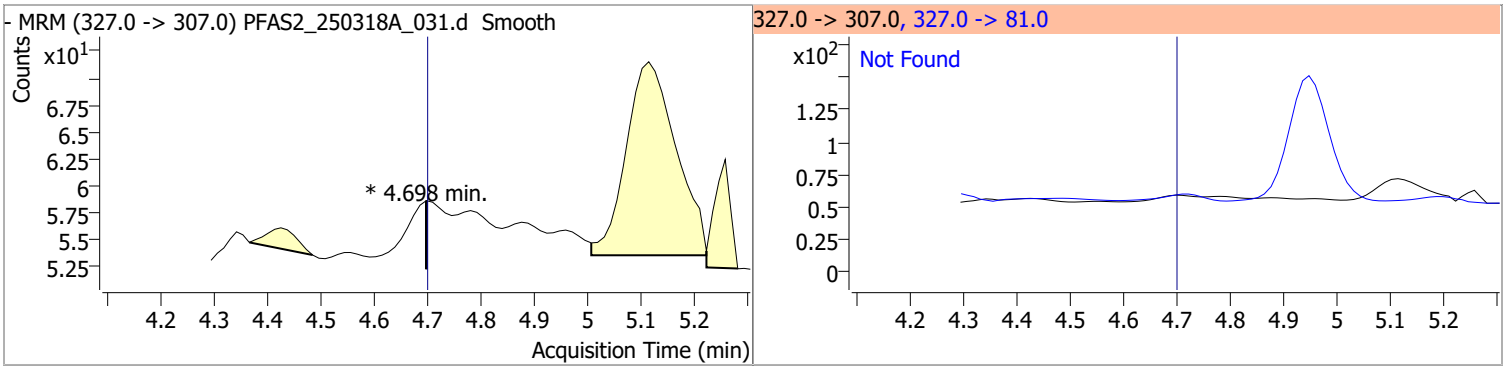




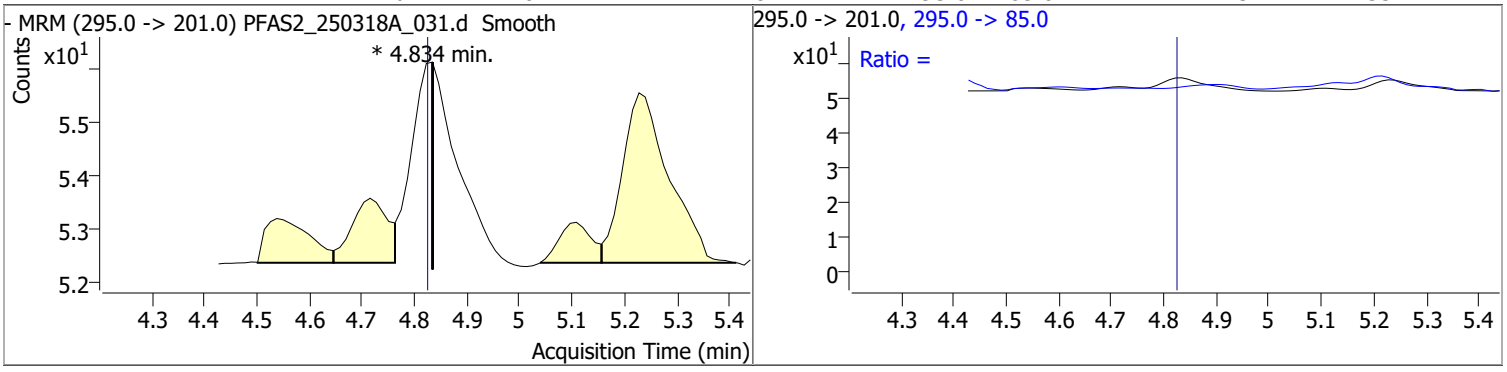
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5758	4.70	0.00	26793	329.0 -> 309.0	288.0	292.1	542.4



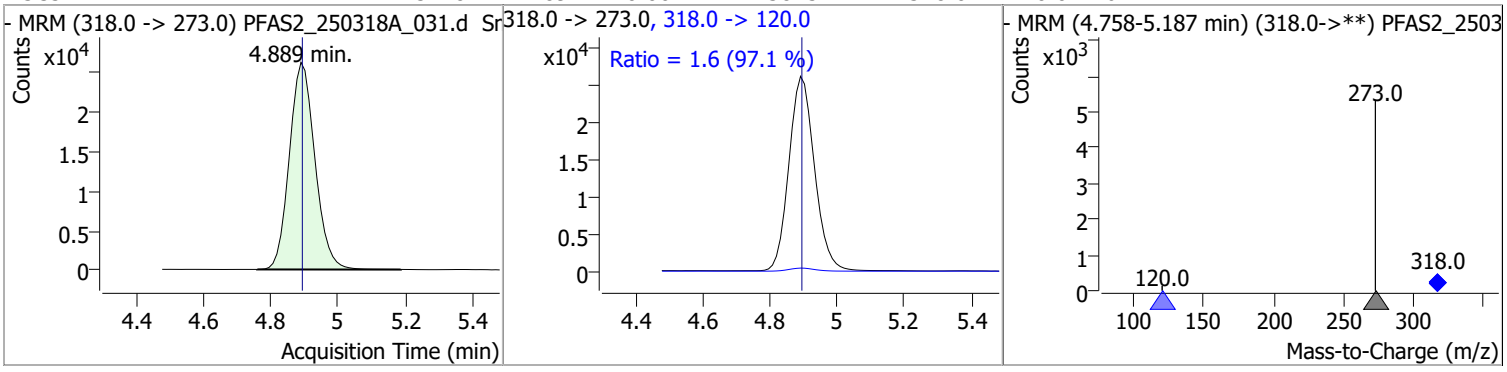
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



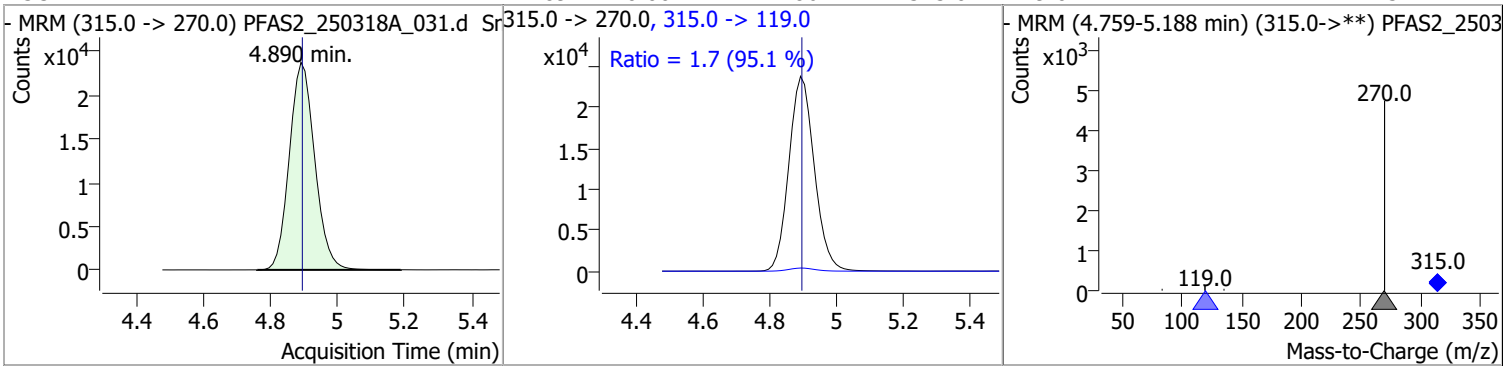
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



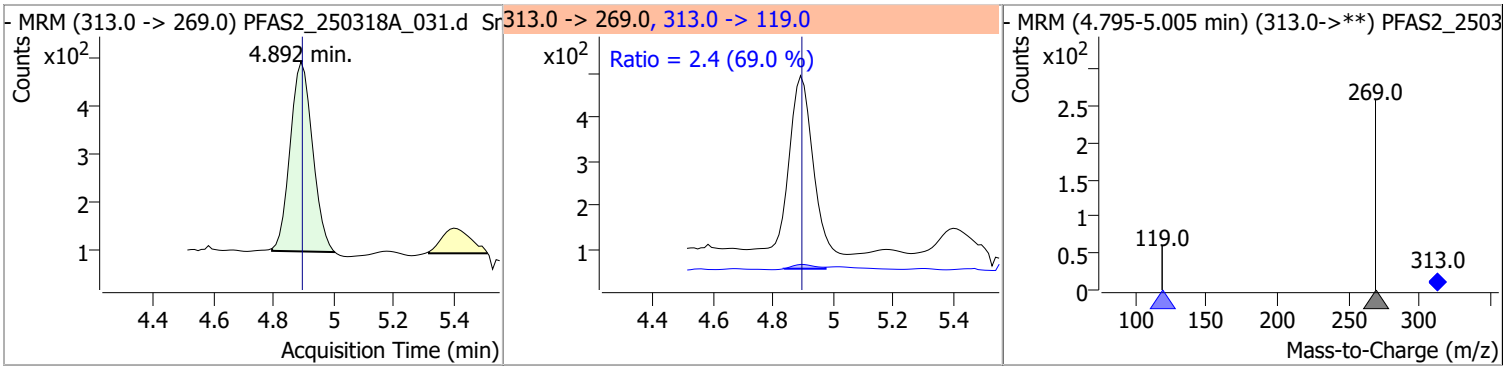
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5148	4.89	0.00	138257	318.0 -> 120.0	1.6	1.1	2.1



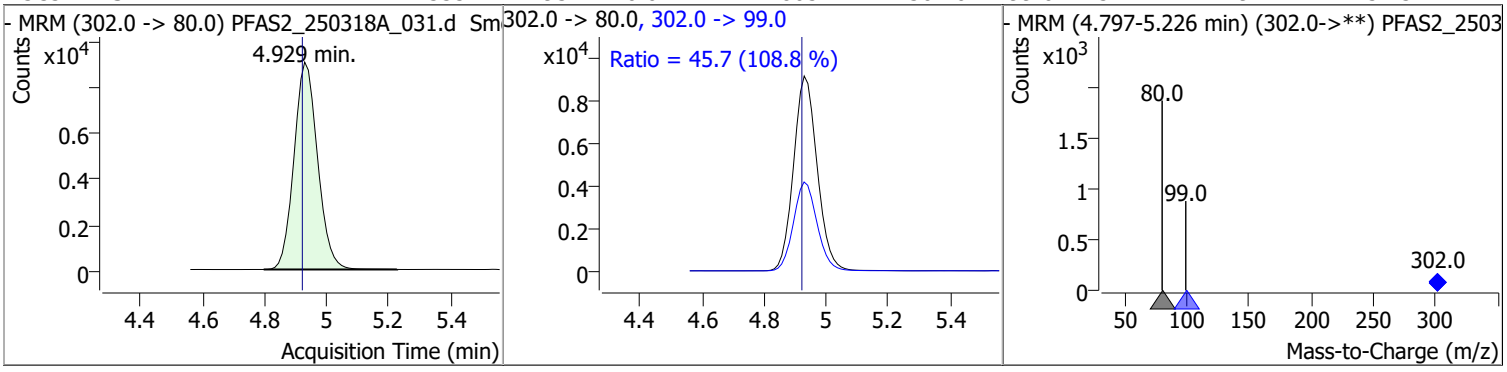
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	124864	315.0 -> 119.0	1.7	1.2	2.3



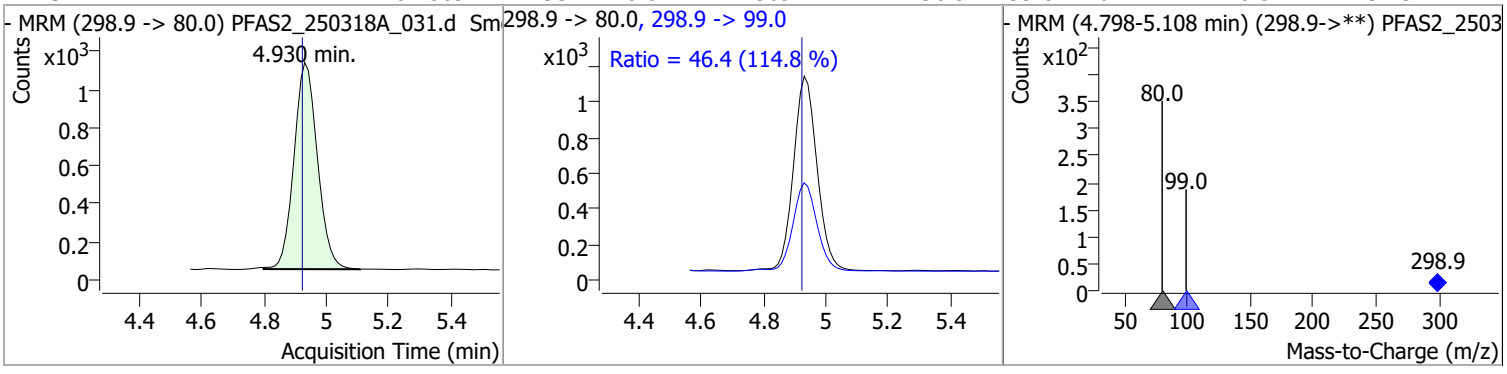
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0413	4.89	0.00	2044	313.0 -> 119.0	2.4	2.4	4.5



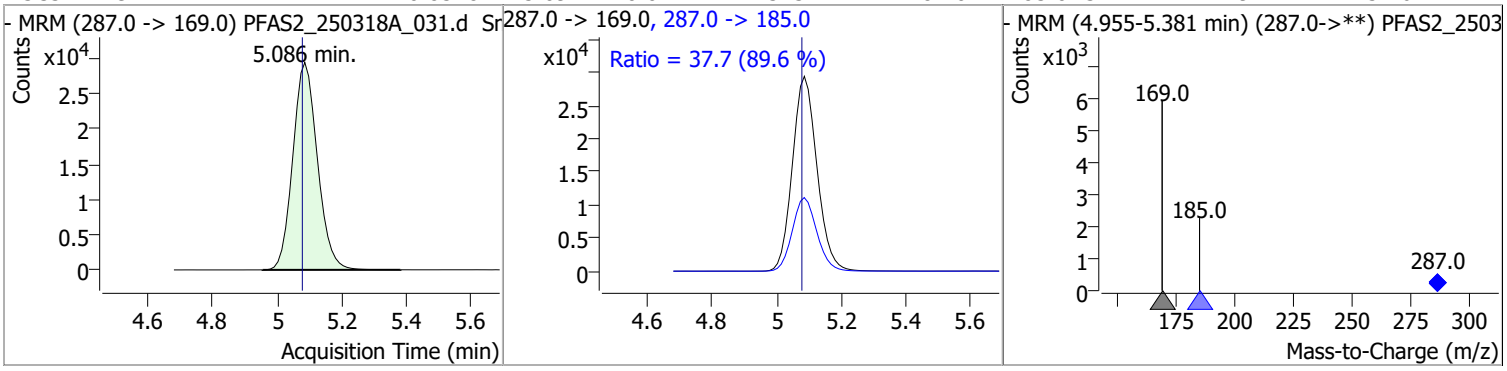
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4335	4.93	0.01	47805	302.0 -> 99.0	45.7	29.4	54.5



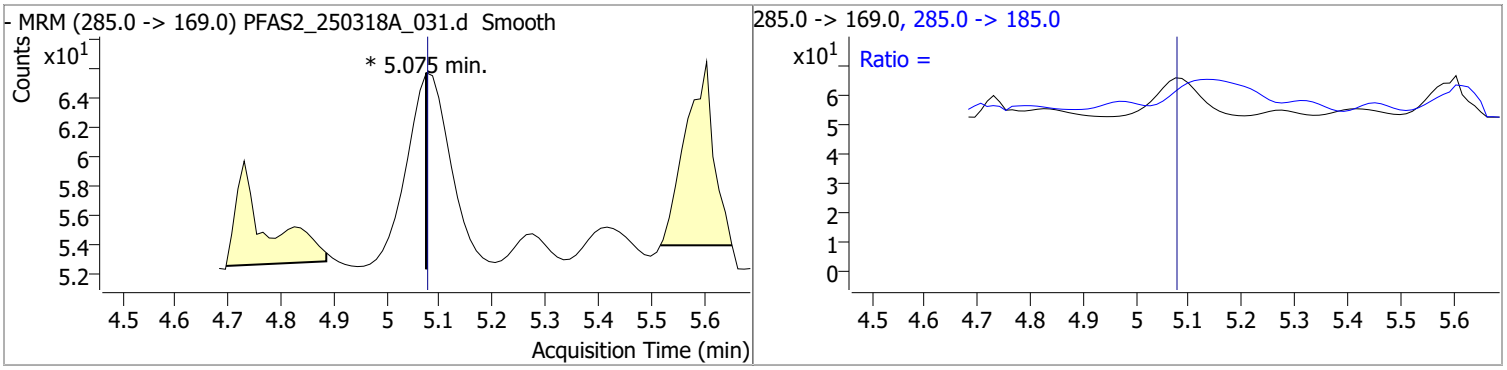
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.2869	4.93	0.01	5692	298.9 -> 99.0	46.4	28.3	52.5



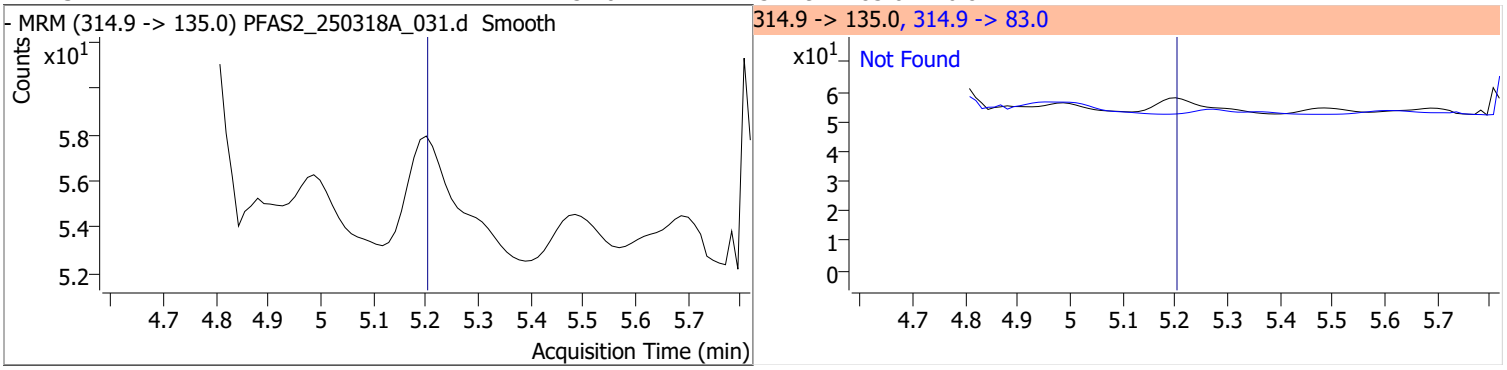
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.8528	5.09	0.01	154372	287.0 -> 185.0	37.7	29.4	54.6



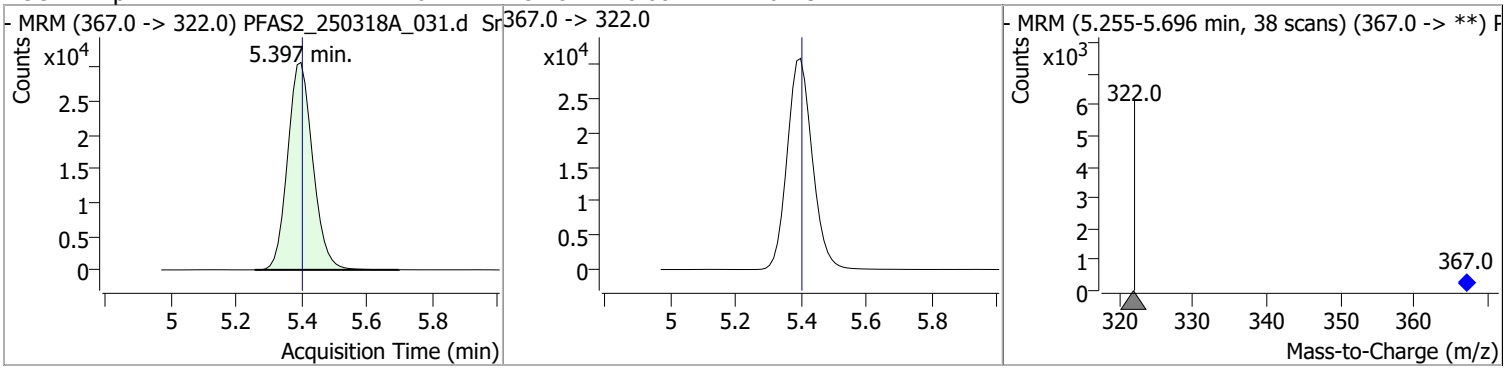
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



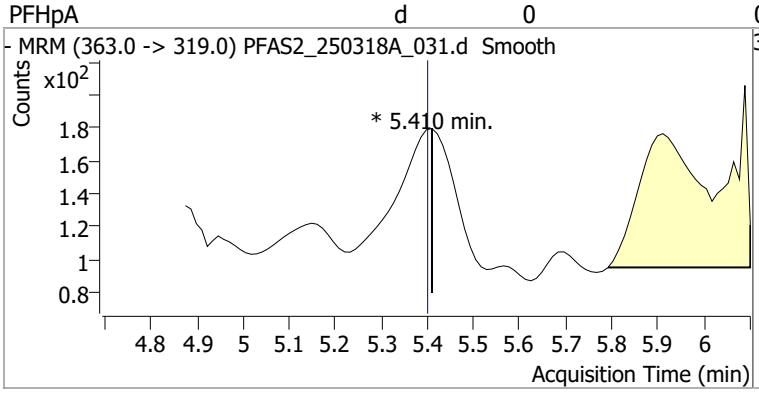
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.20	314.9 -> 83.0	6.8

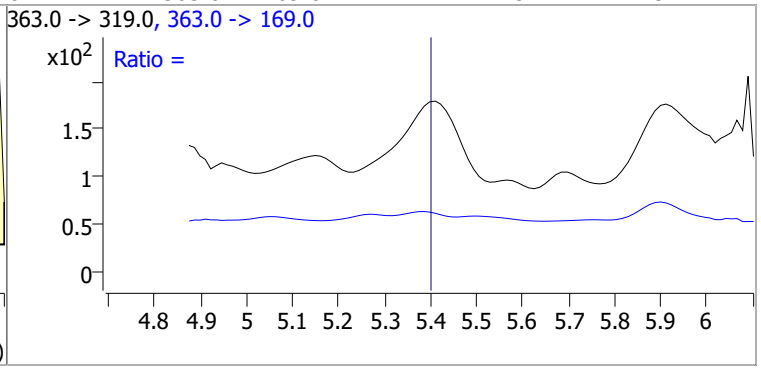


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6711	5.40	0.00	164192				

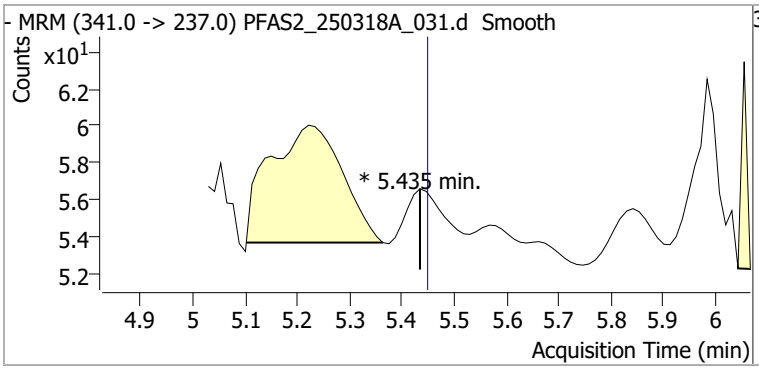


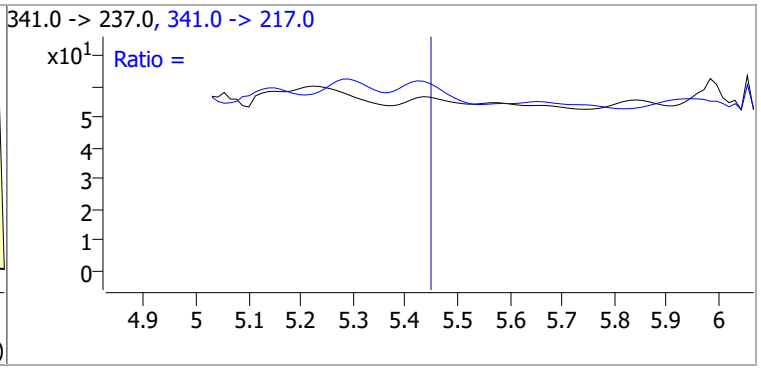
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



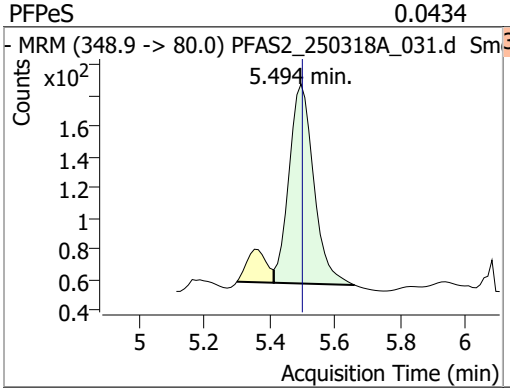


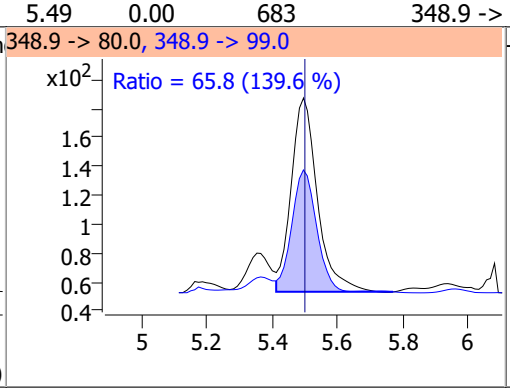
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

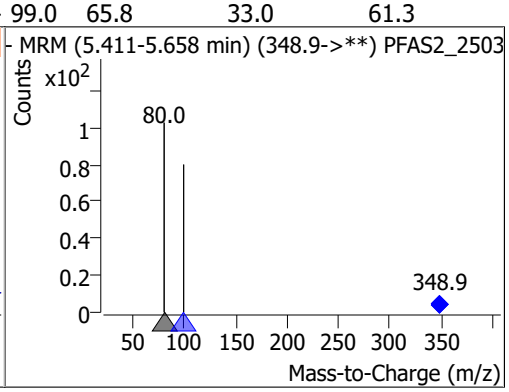




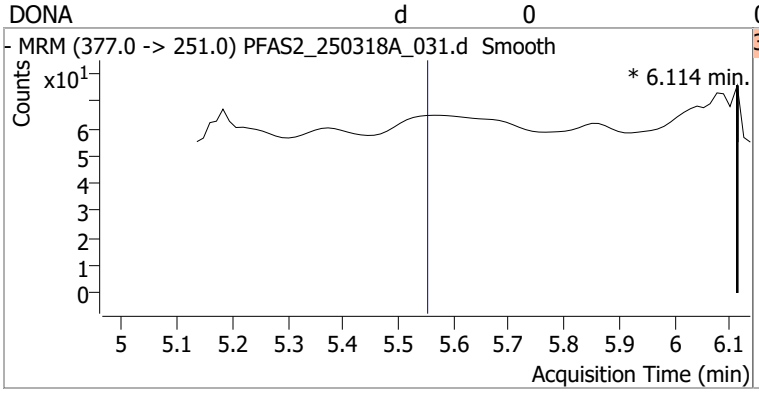
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0434	5.49	0.00	683	348.9 -> 99.0	65.8	33.0	61.3

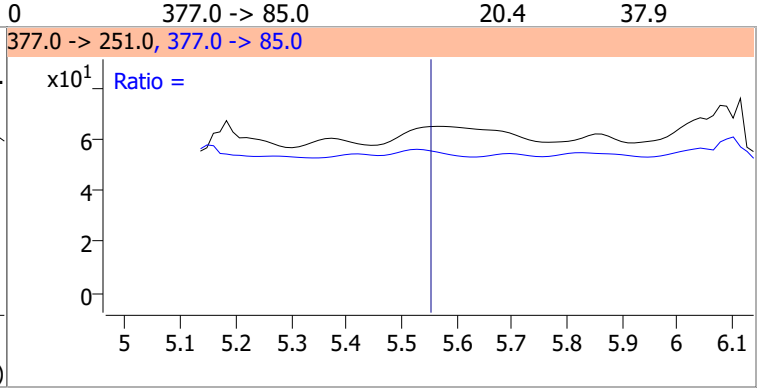




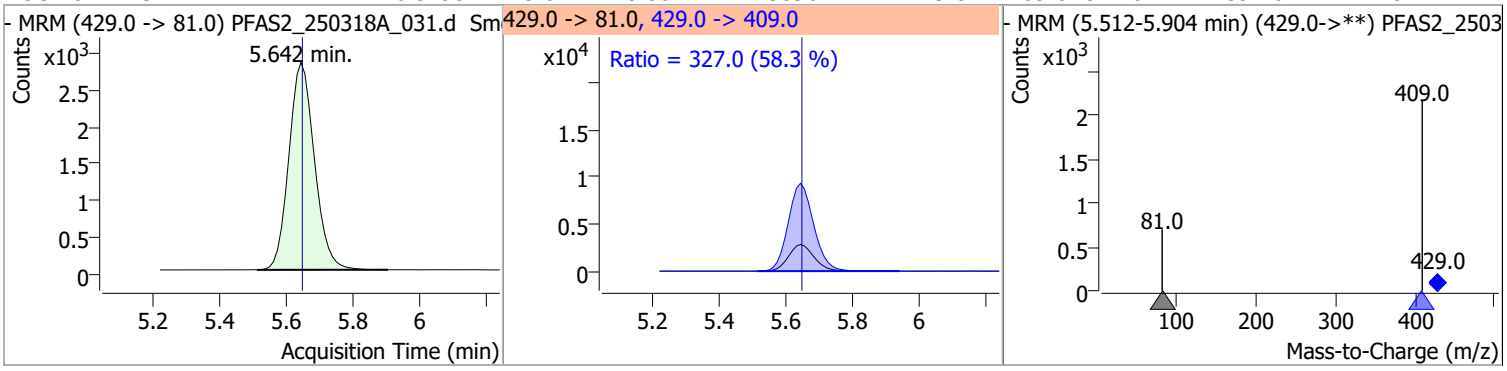


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

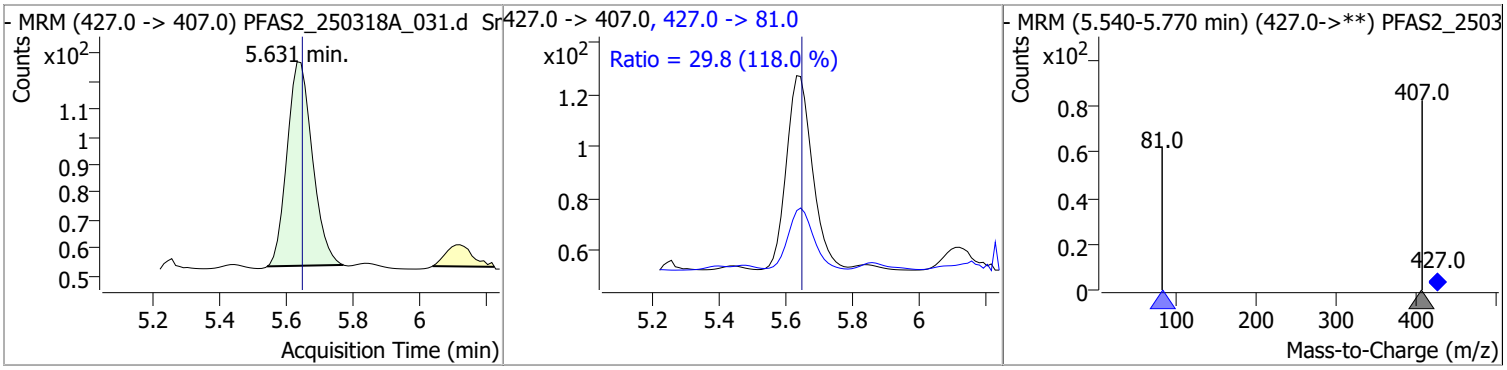




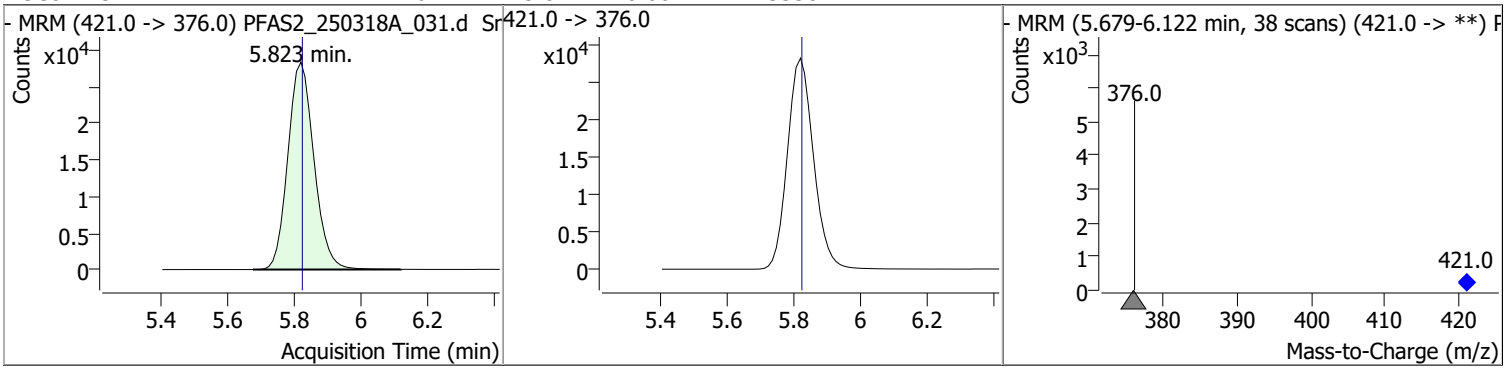
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.3193	5.64	0.00	15096	429.0 -> 409.0	327.0	392.8	729.4



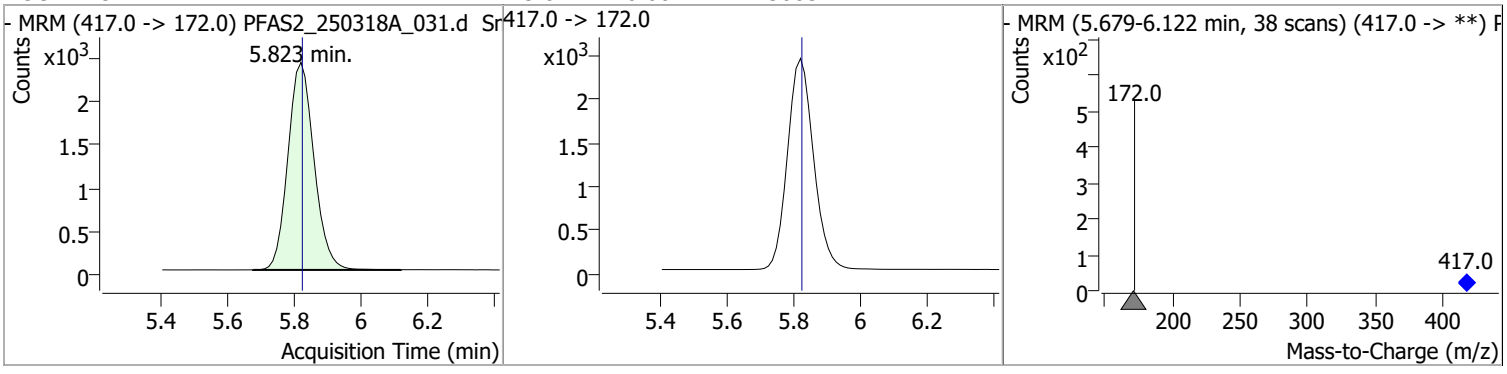
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1464	5.63	-0.01	389	427.0 -> 81.0	29.8	17.7	32.8



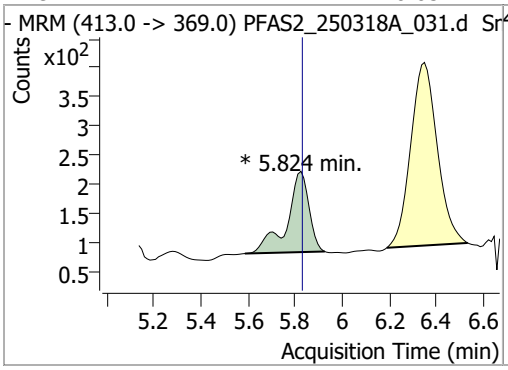
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6217	5.82	0.00	153387				

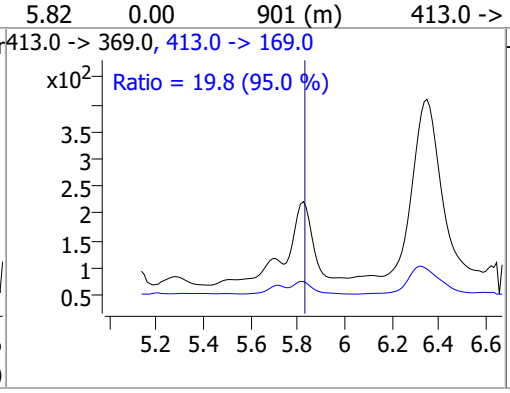


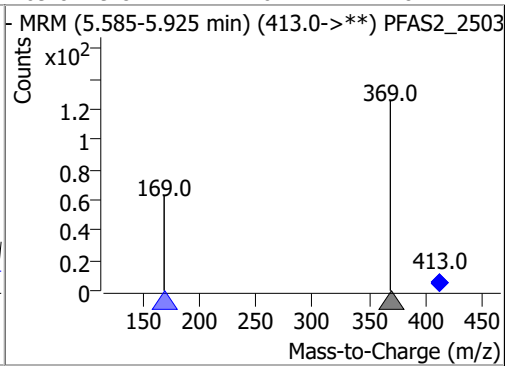
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13083				



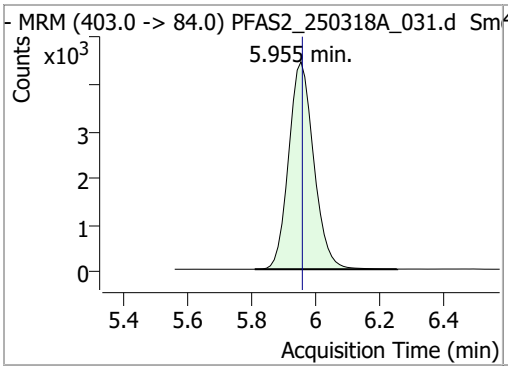
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0512	5.82	0.00	901 (m)	413.0 -> 169.0	19.8	14.6	27.0

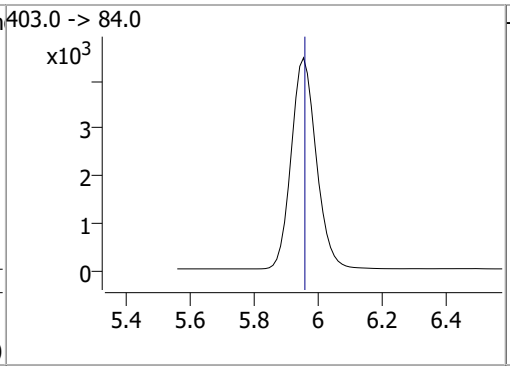


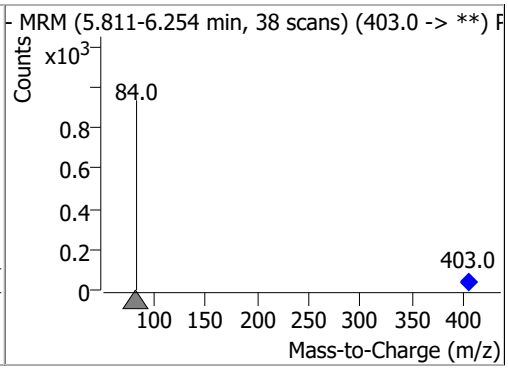




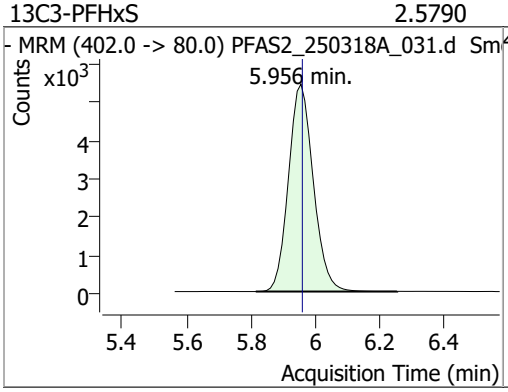
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	23989				

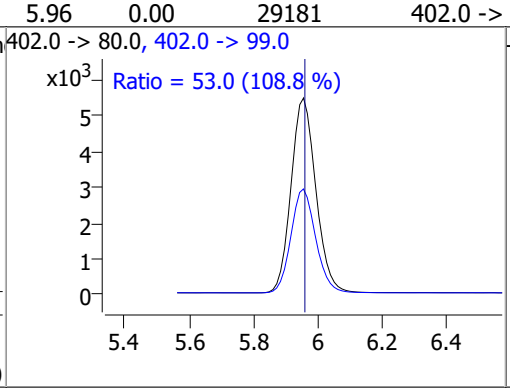


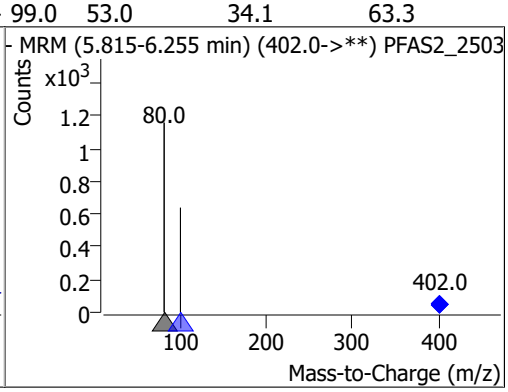




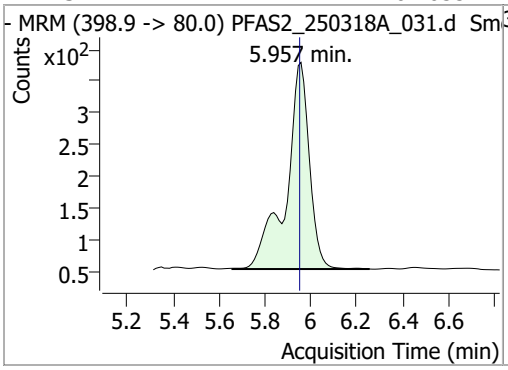
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5790	5.96	0.00	29181	402.0 -> 99.0	53.0	34.1	63.3

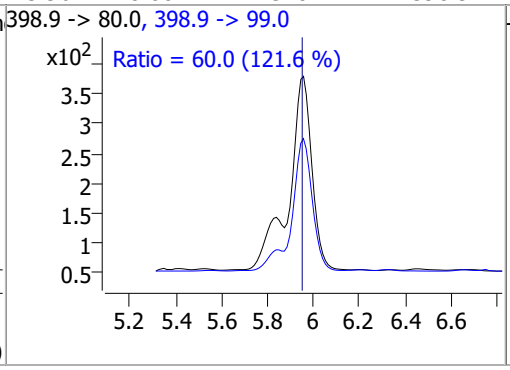


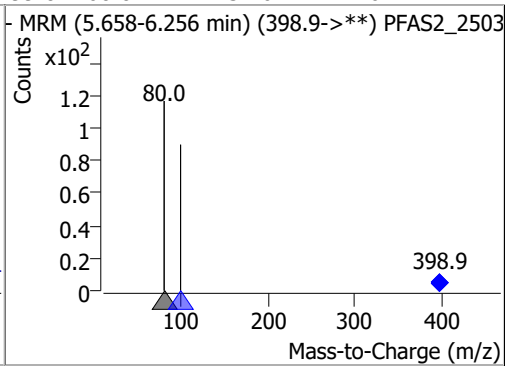




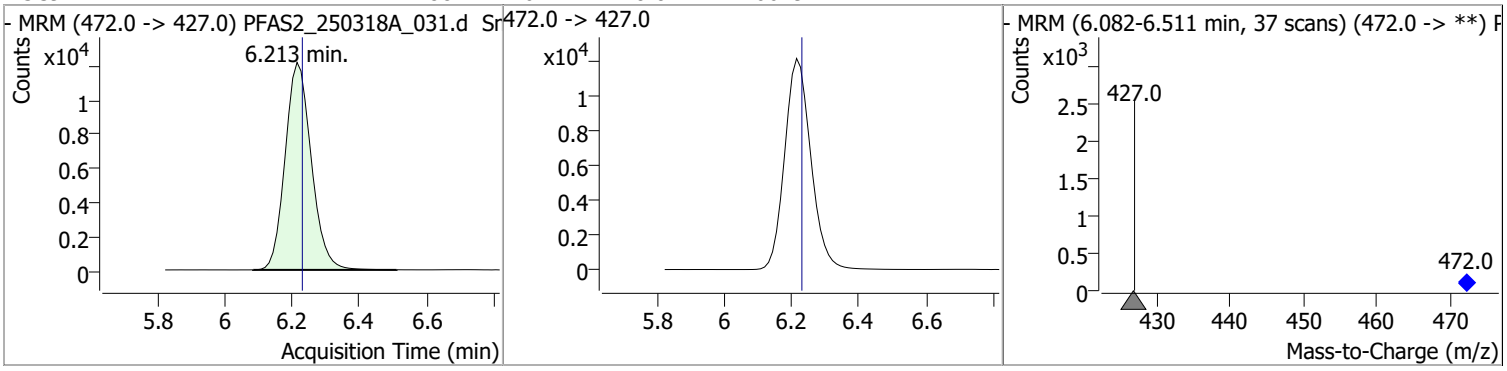
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2035	5.96	0.00	2310	398.9 -> 99.0	60.0	34.6	64.2



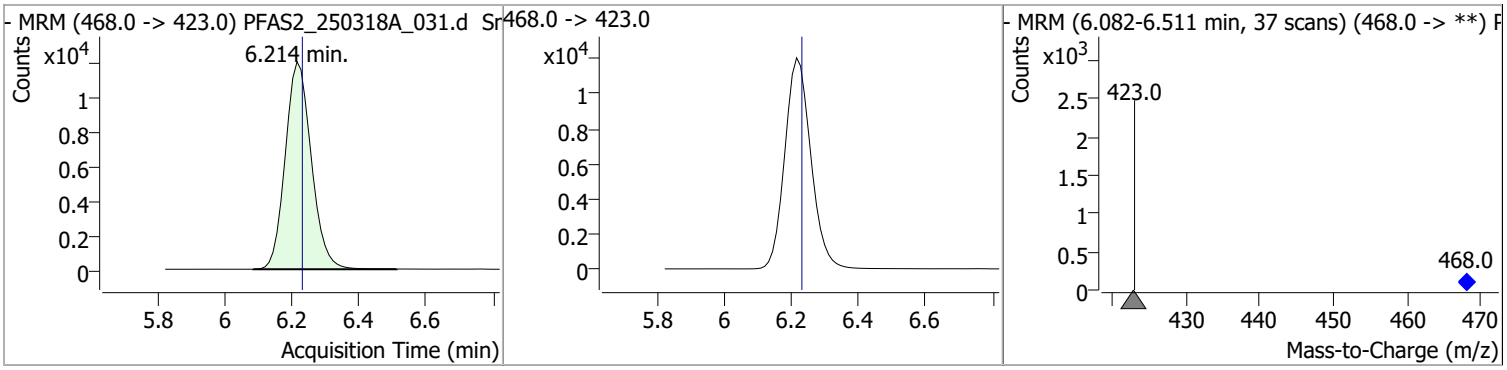




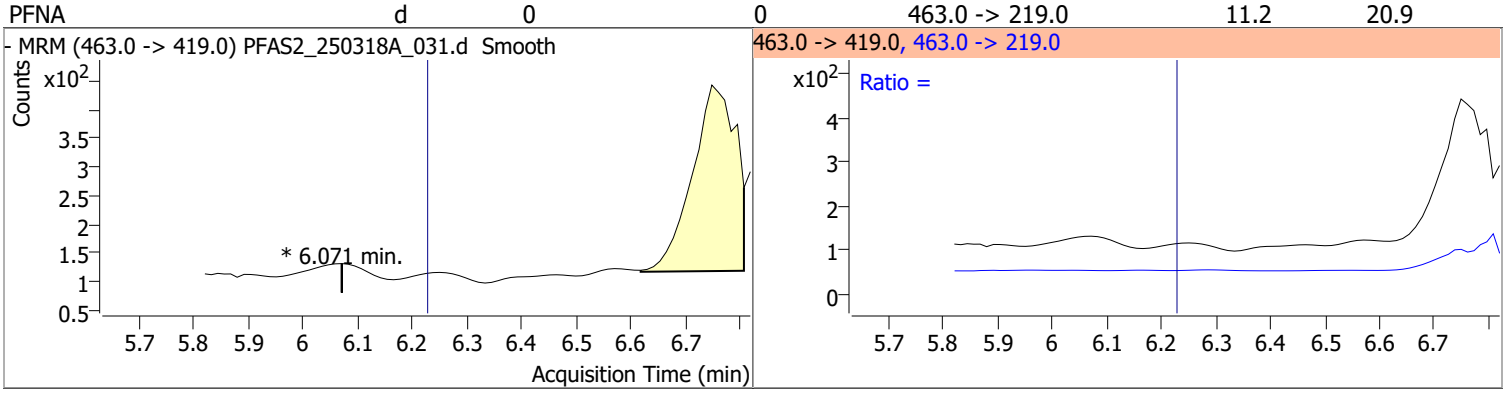
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2881	6.21	-0.01	66192				



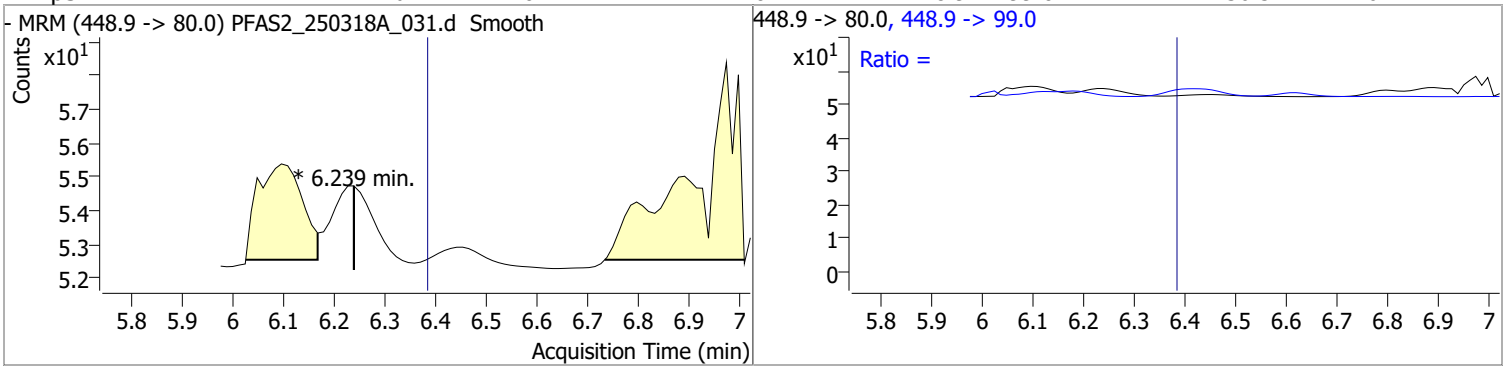
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	64853				



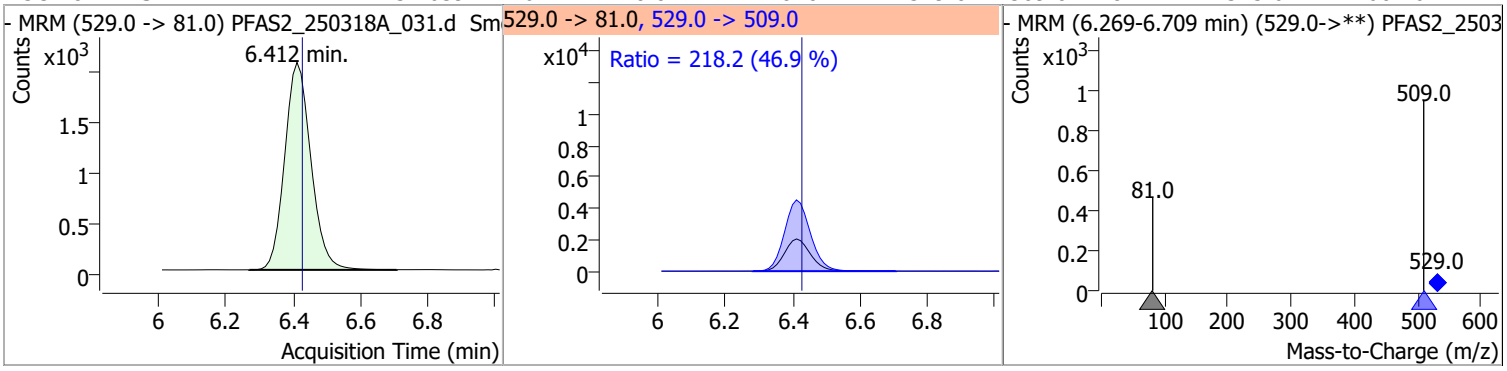
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



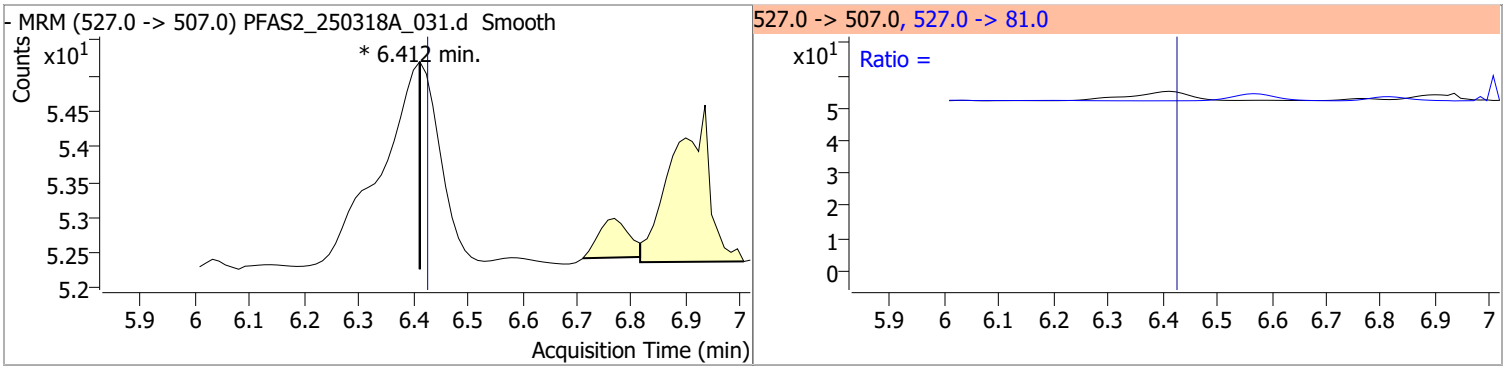
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



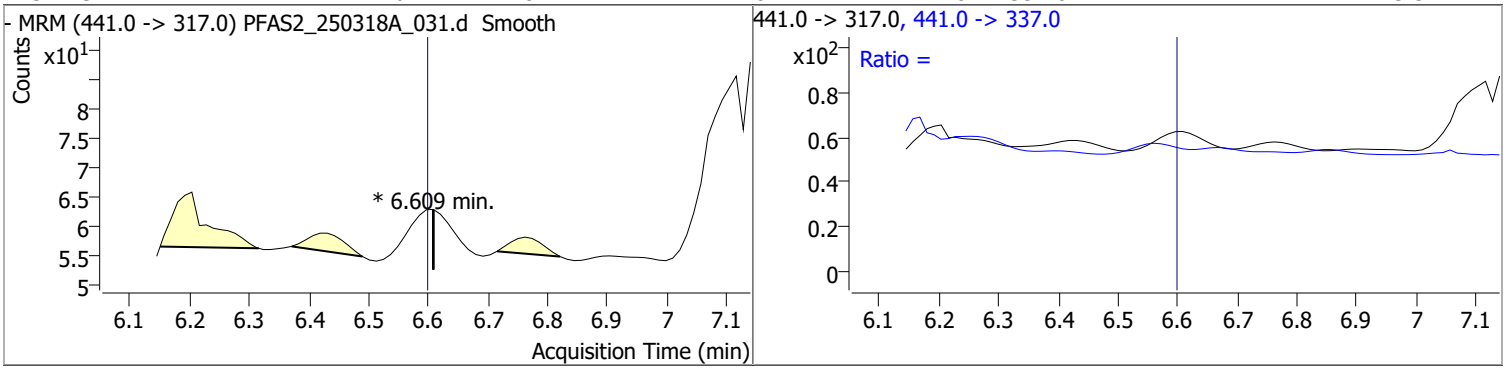
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.7639	6.41	-0.01	11070	529.0 -> 509.0	218.2	325.6	604.6



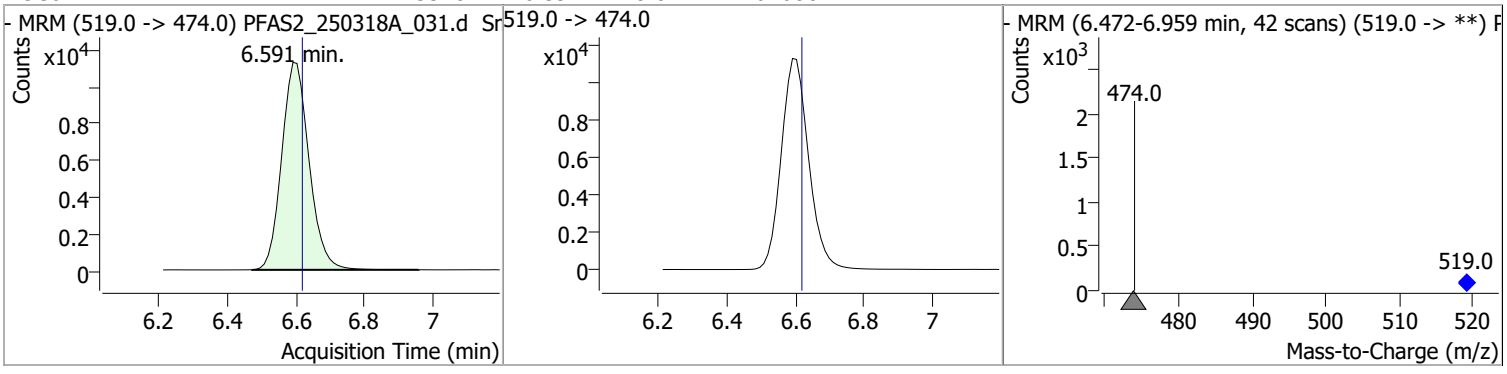
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



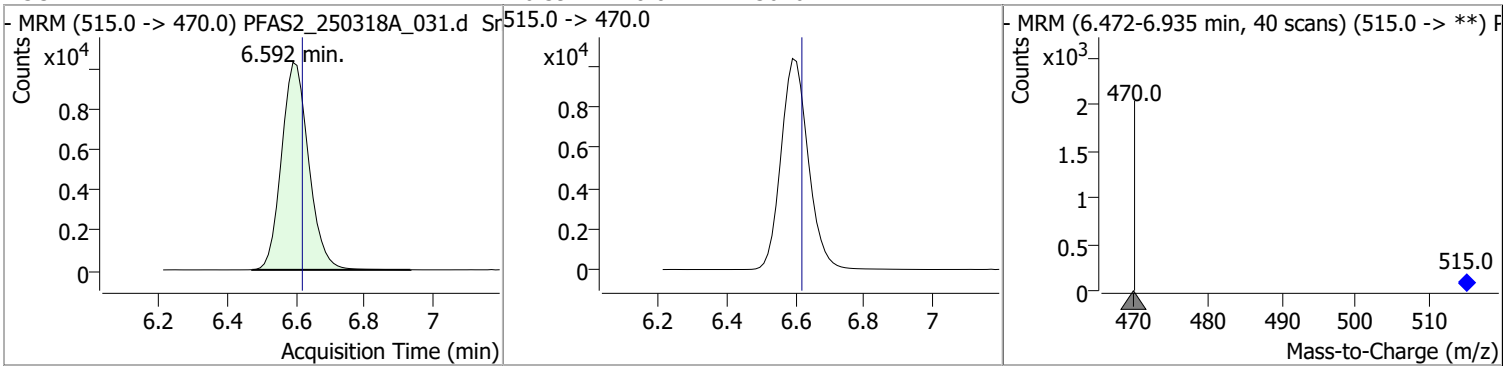
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



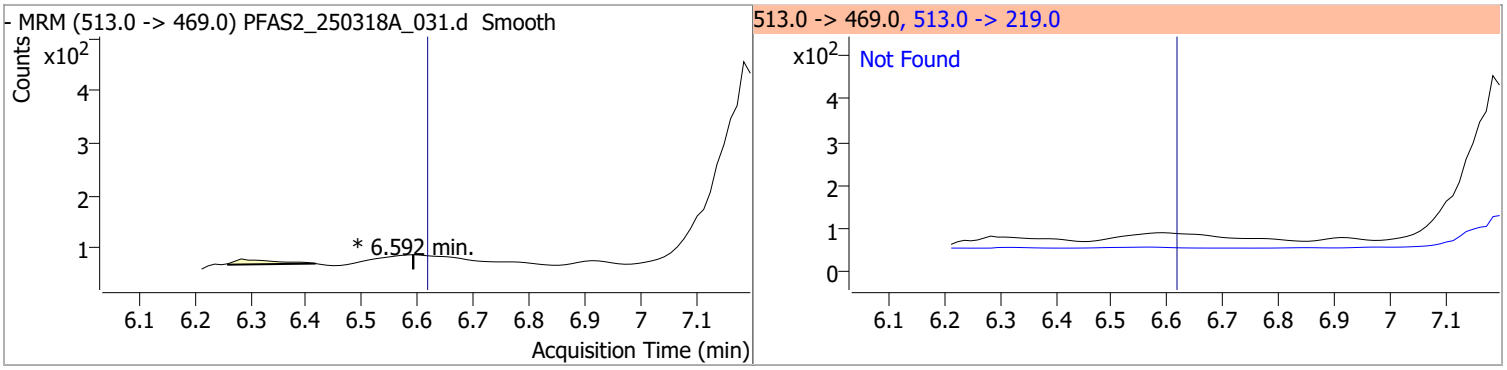
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3570	6.59	-0.02	62680				



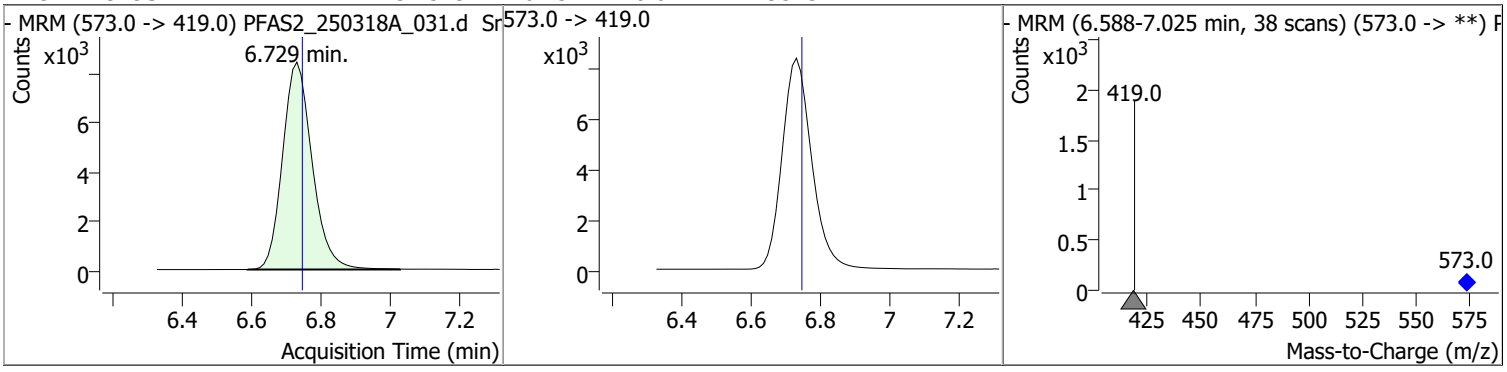
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	-0.02	56764				



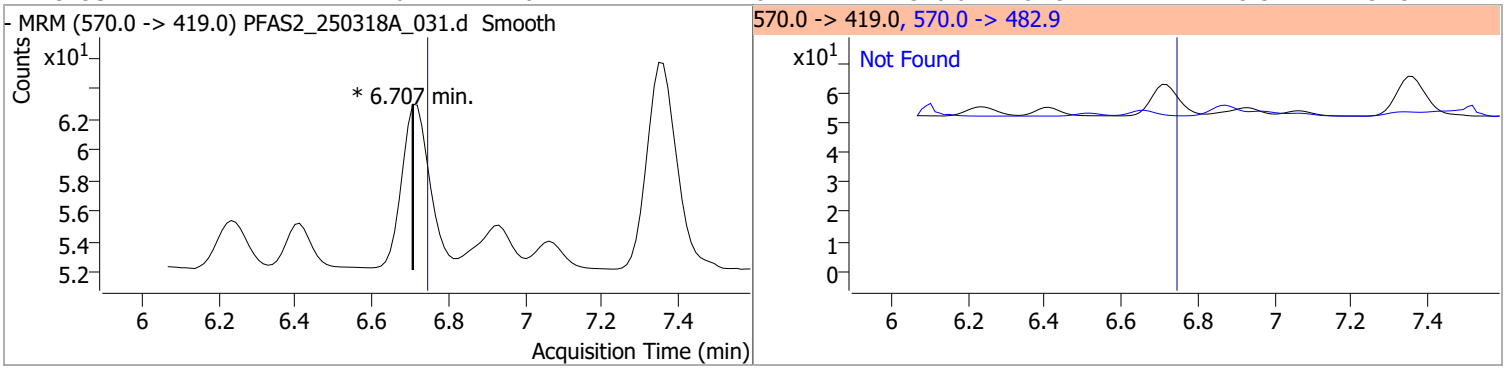
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



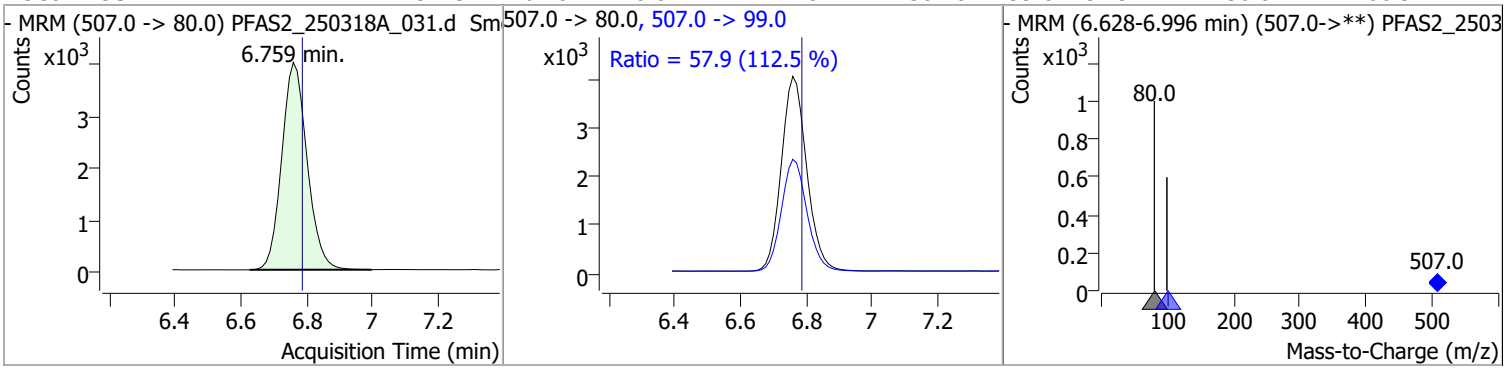
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.2543	6.73	-0.01	49345				



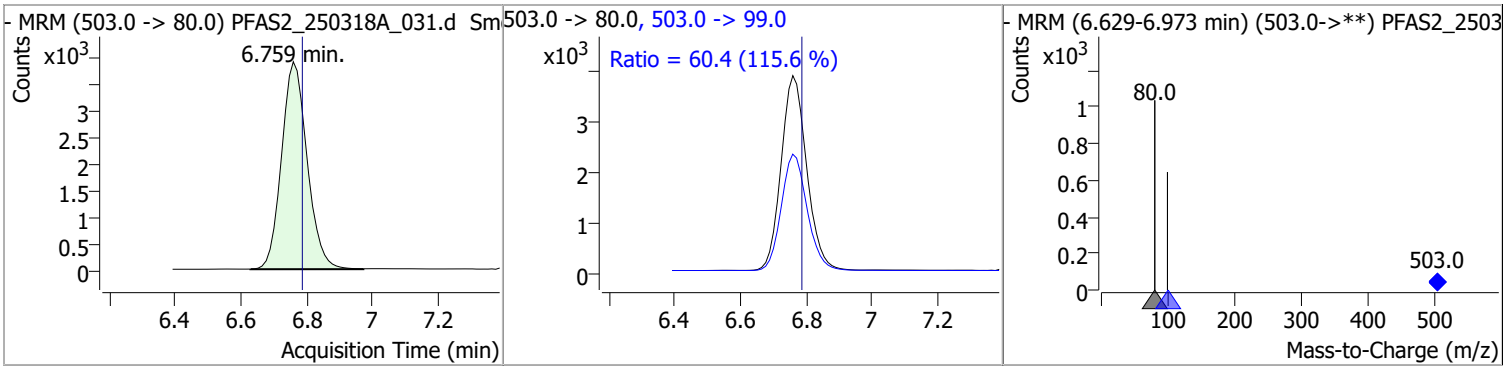
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



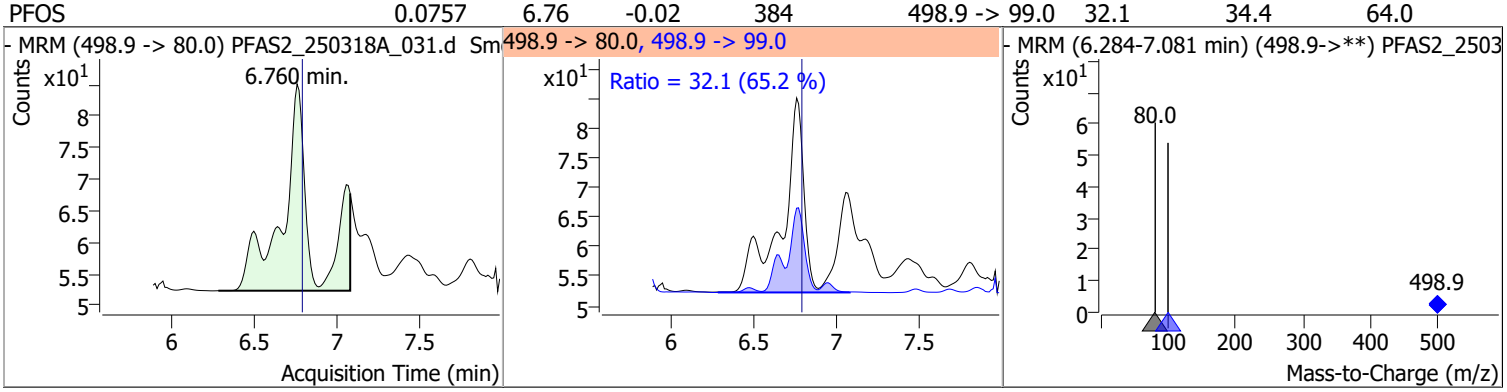
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5213	6.76	-0.02	21418	507.0 -> 99.0	57.9	36.0	66.9



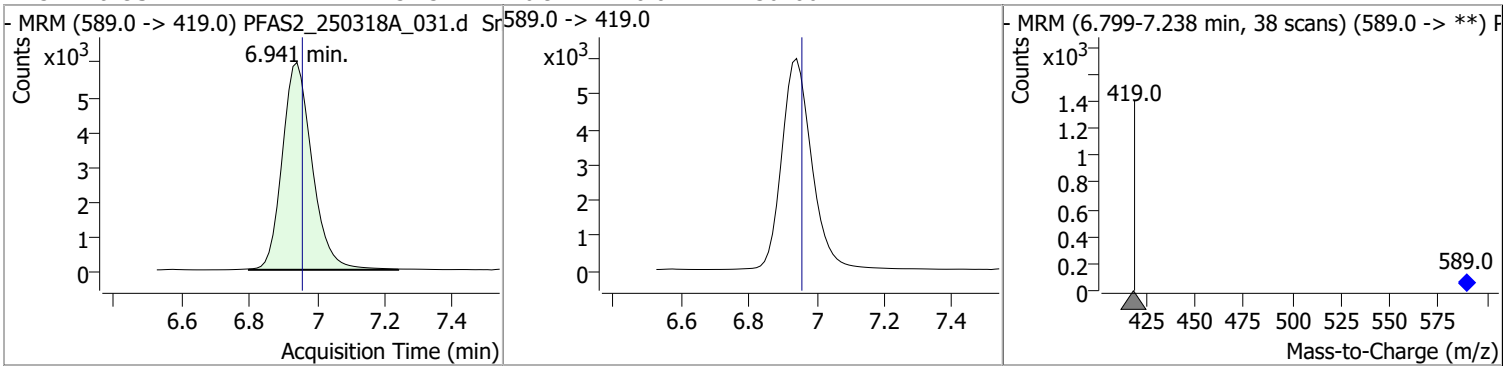
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	20930	503.0 -> 99.0	60.4	36.6	67.9



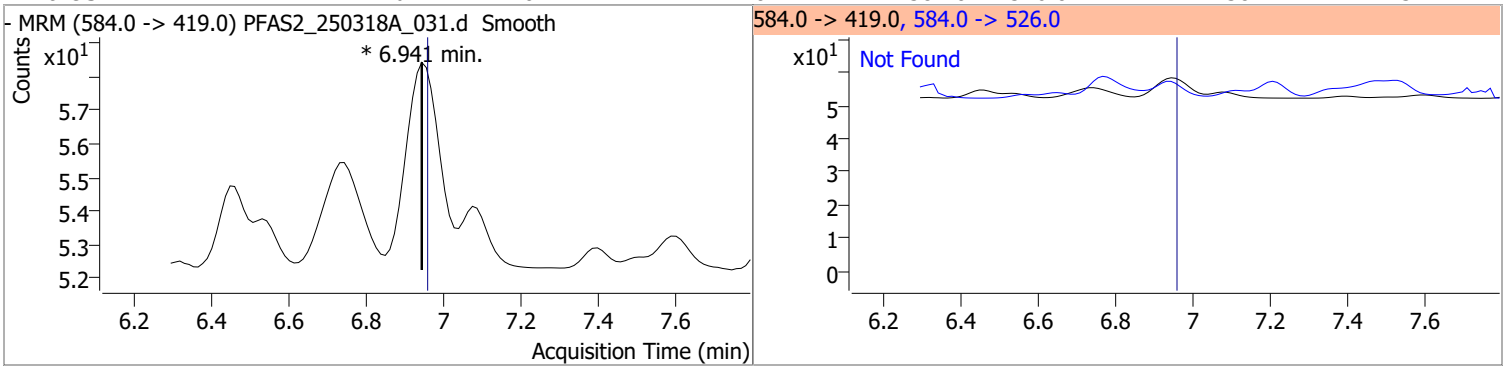
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0757	6.76	-0.02	384	498.9 -> 99.0	32.1	34.4	64.0



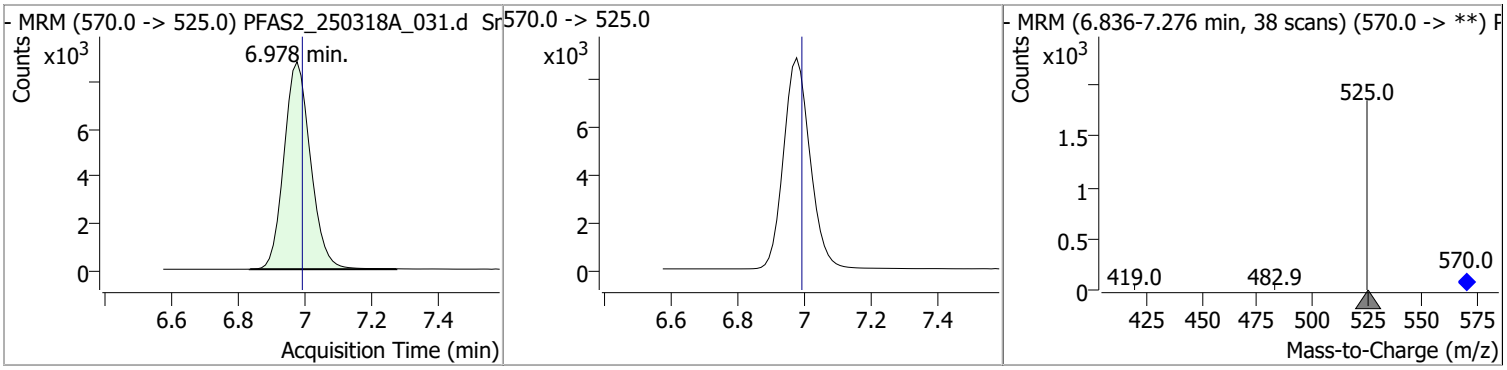
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1347	6.94	-0.01	36406				



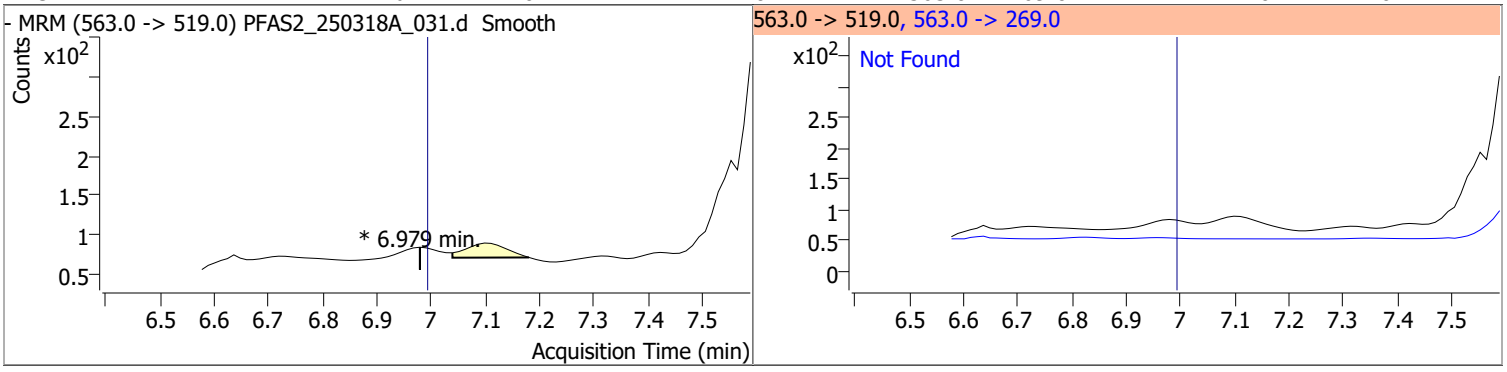
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



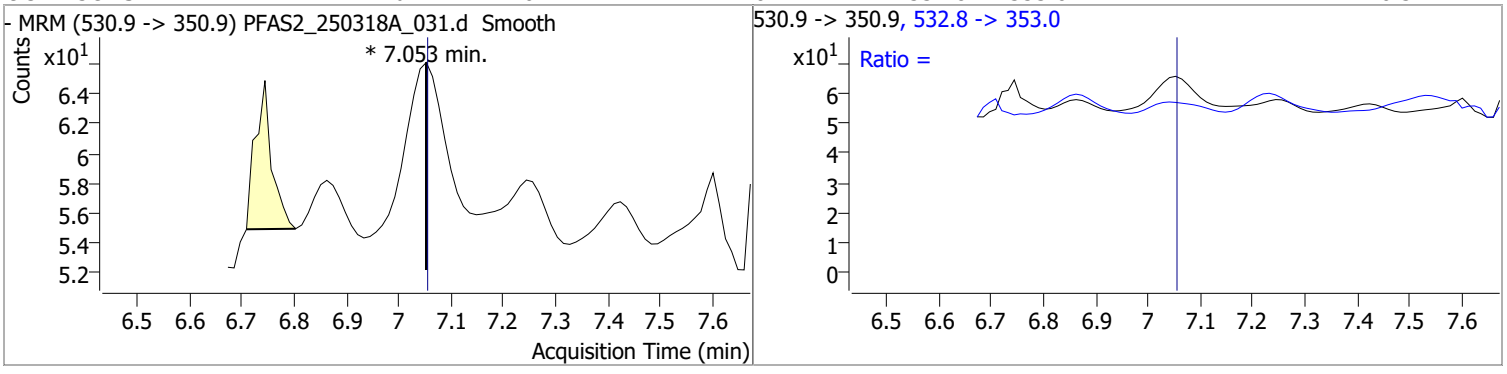
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3420	6.98	-0.01	48854				



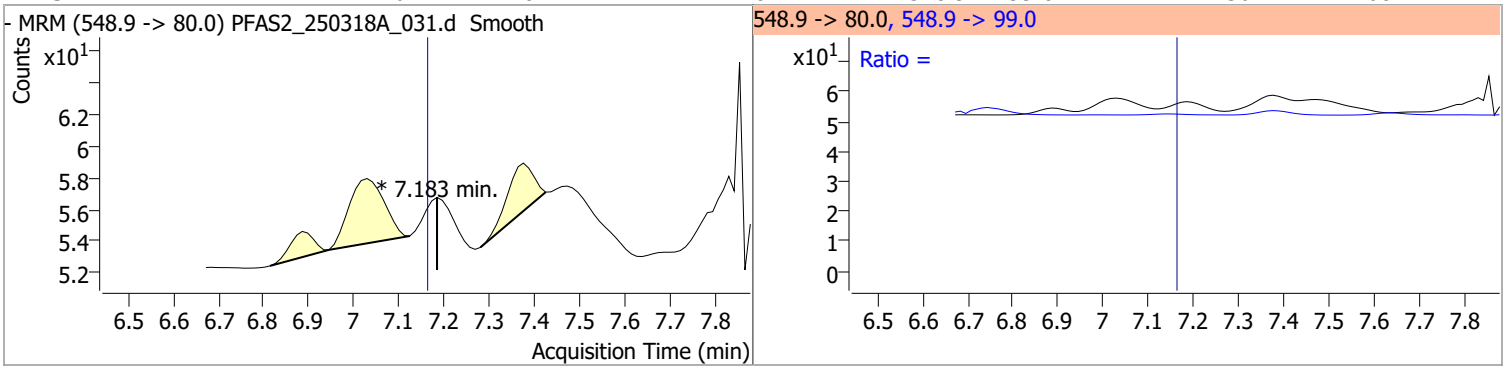
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



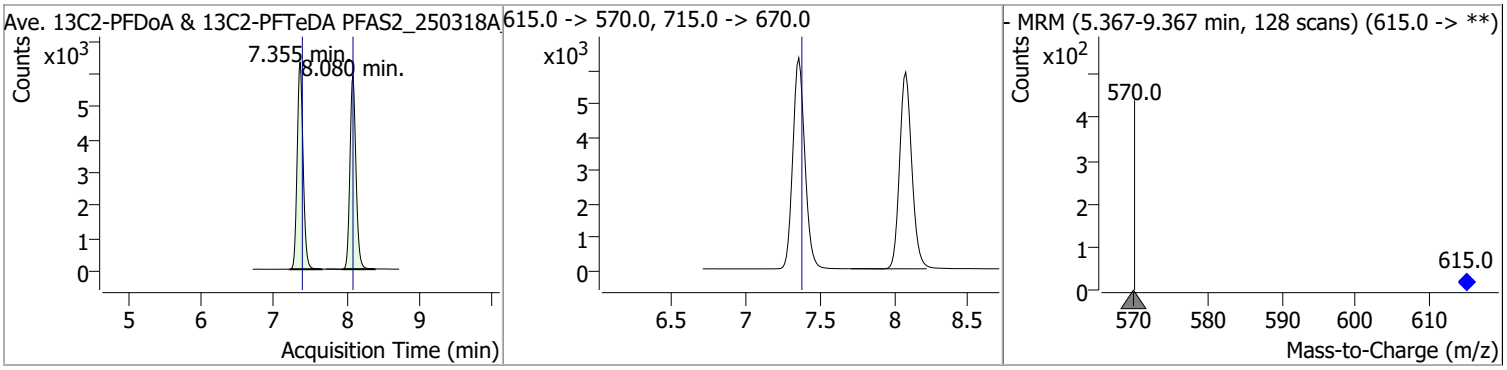
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



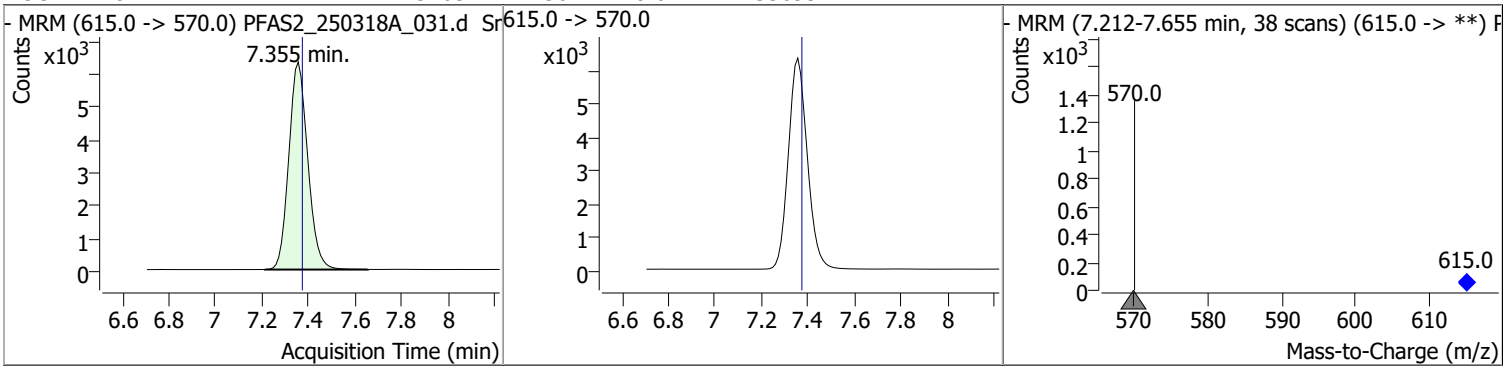
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



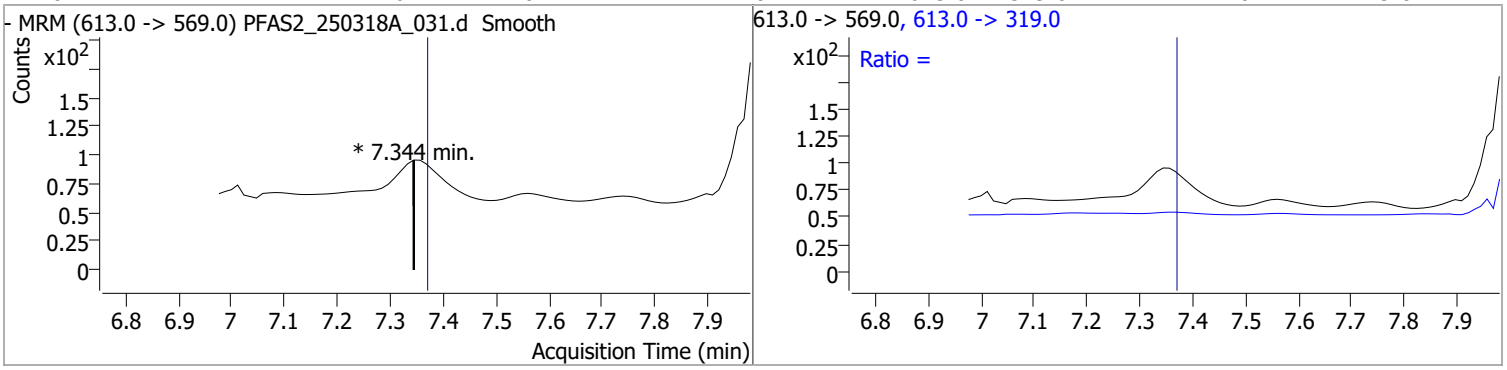
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1594	7.72	0.35	34787				



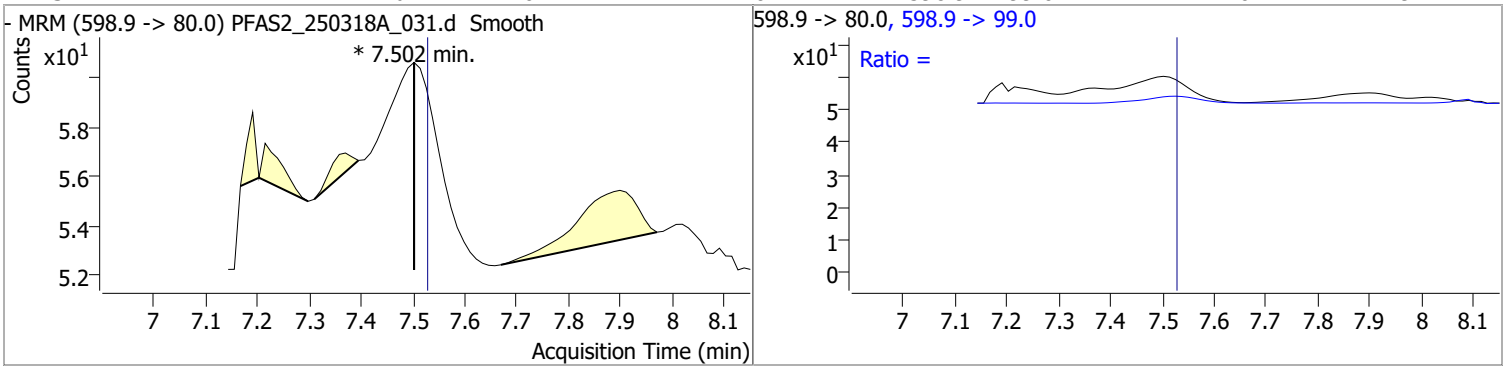
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3163	7.36	-0.01	35699				



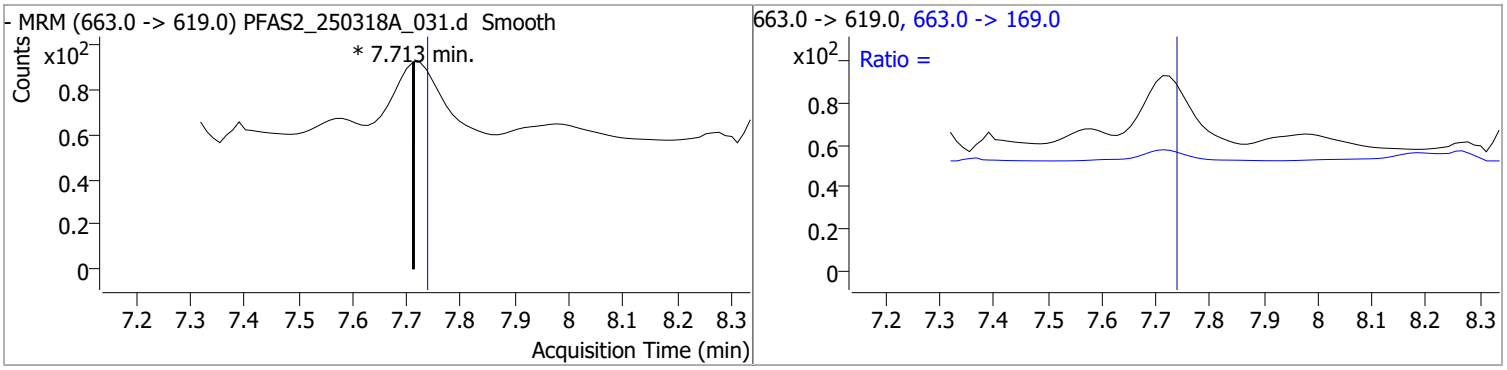
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



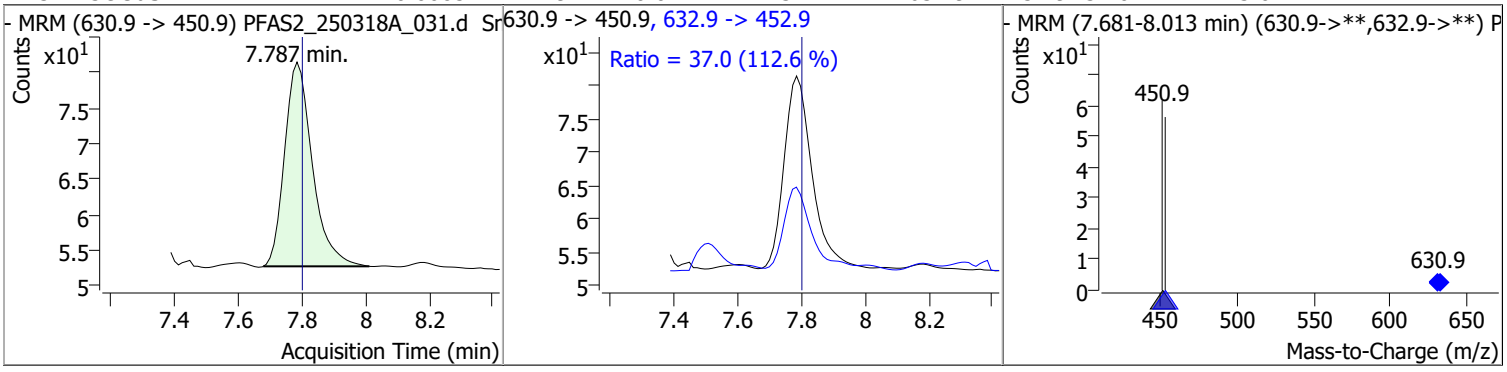
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



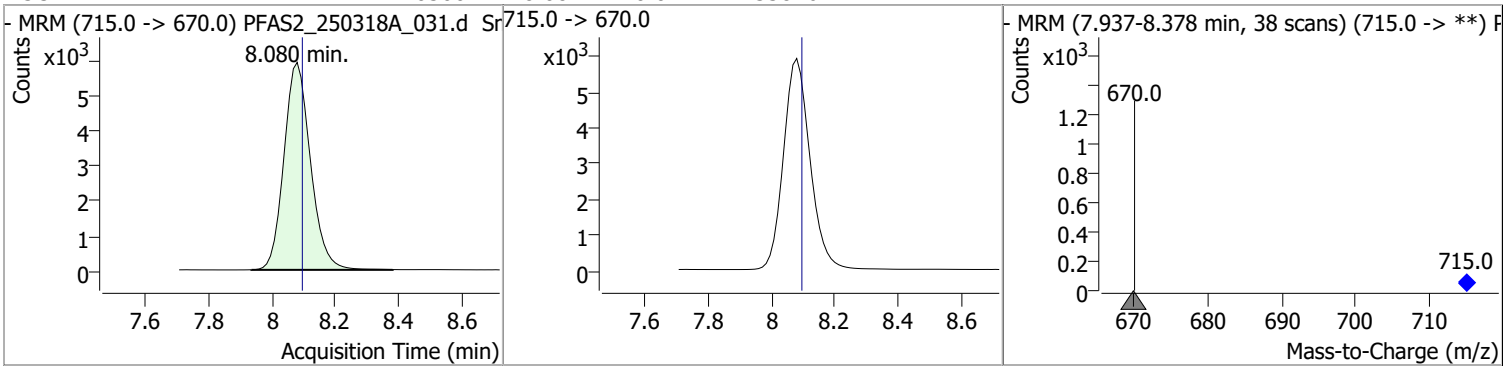
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



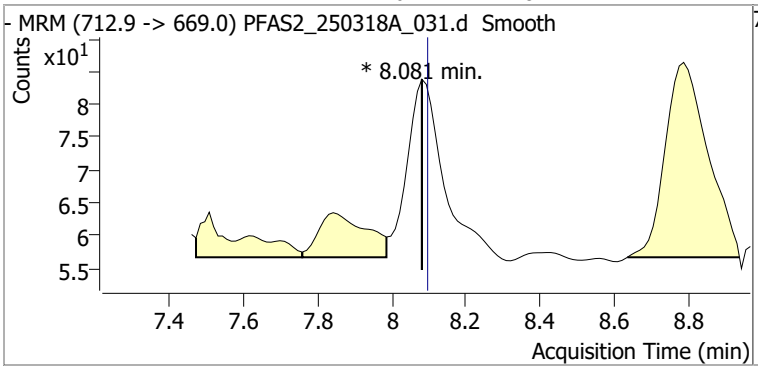
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0085	7.79	-0.01	173	632.9 -> 452.9	37.0	23.0	42.7

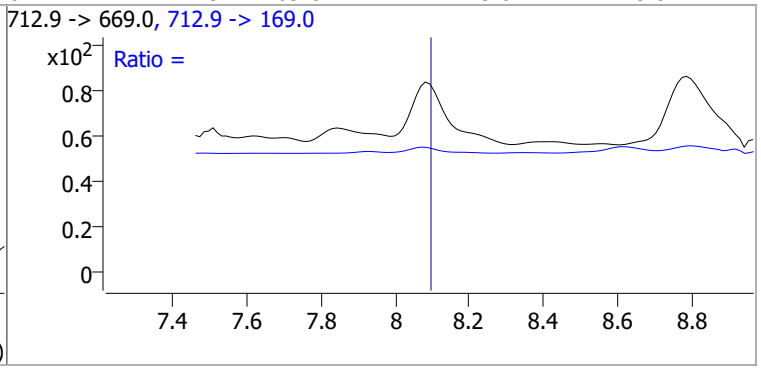


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.0300	8.08	-0.01	33876				

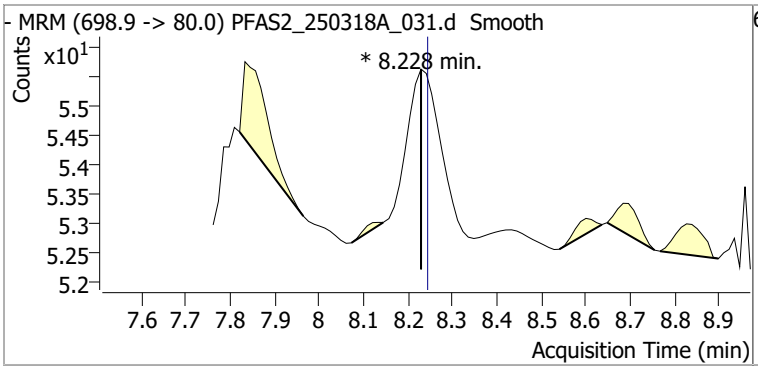


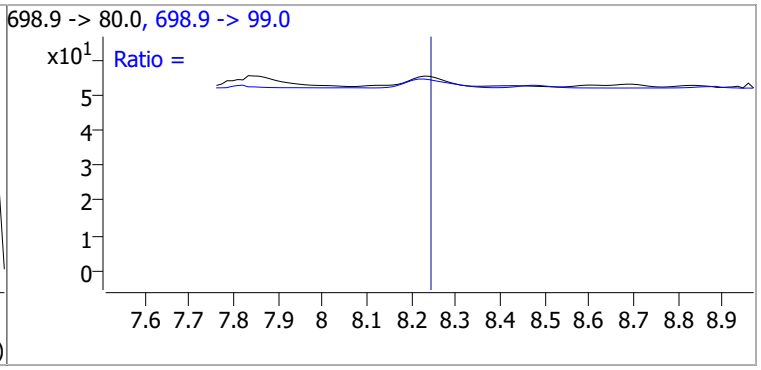
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



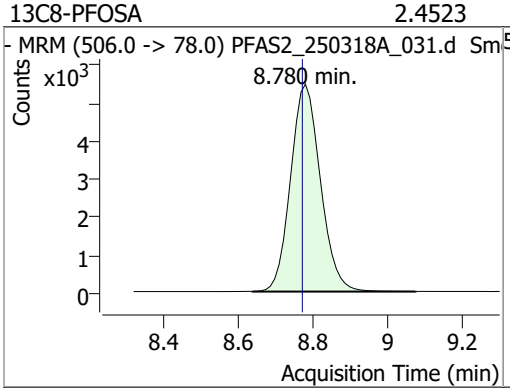


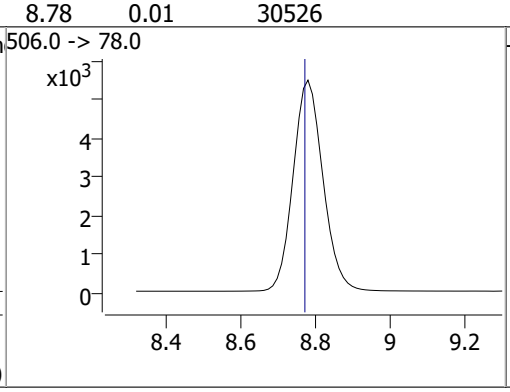
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

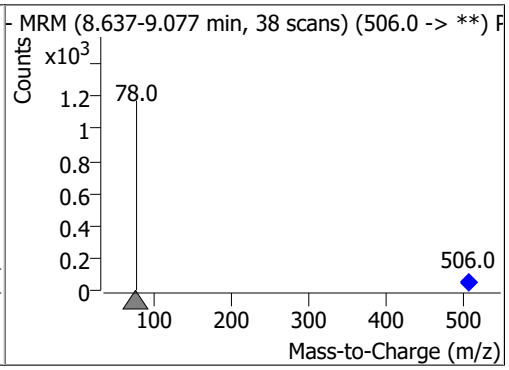




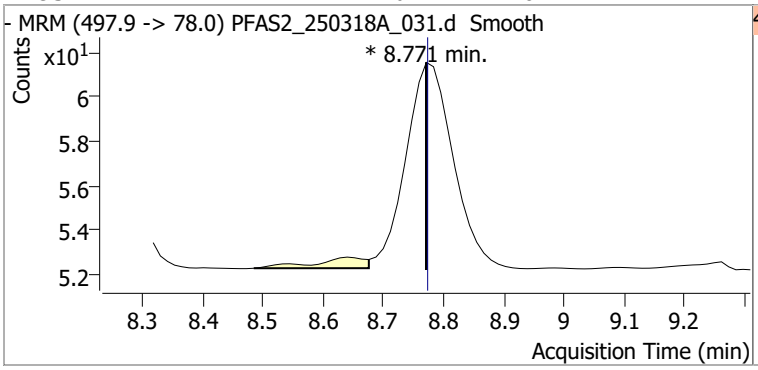
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4523	8.78	0.01	30526				

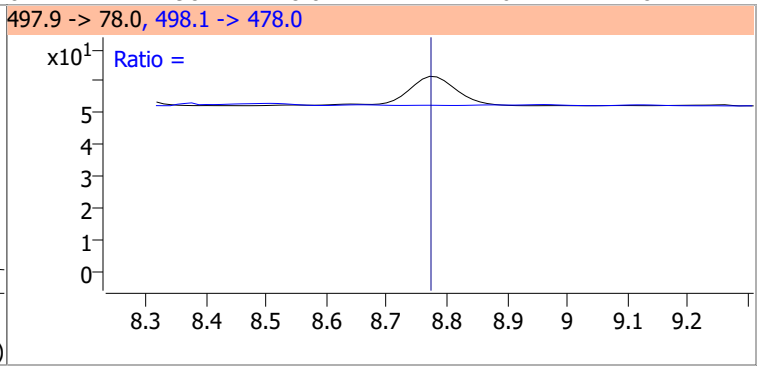




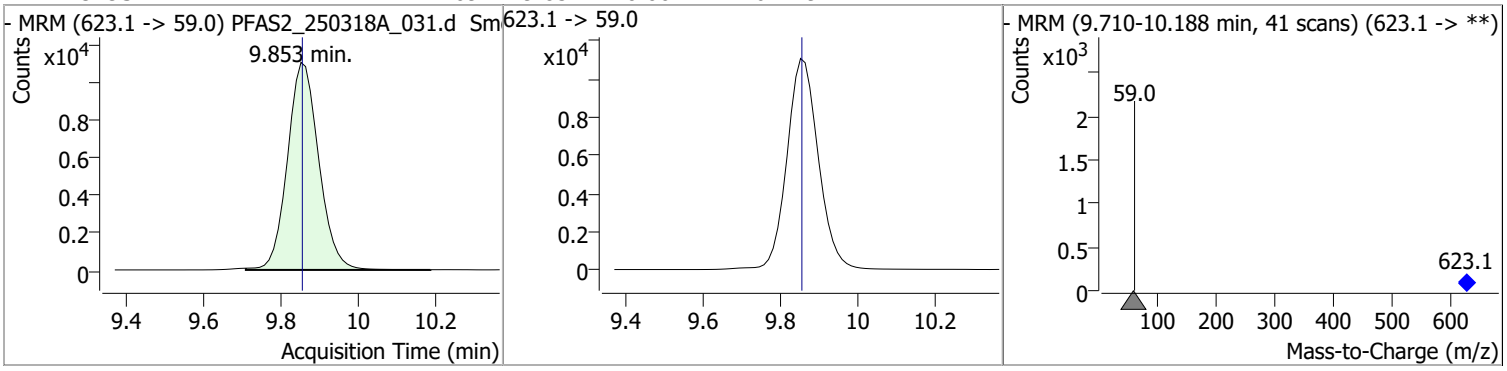


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

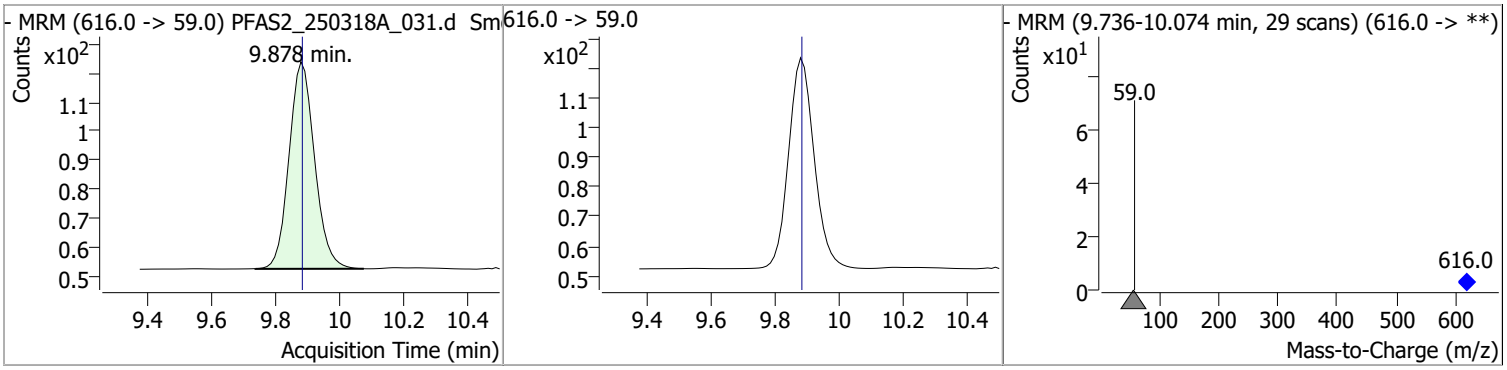




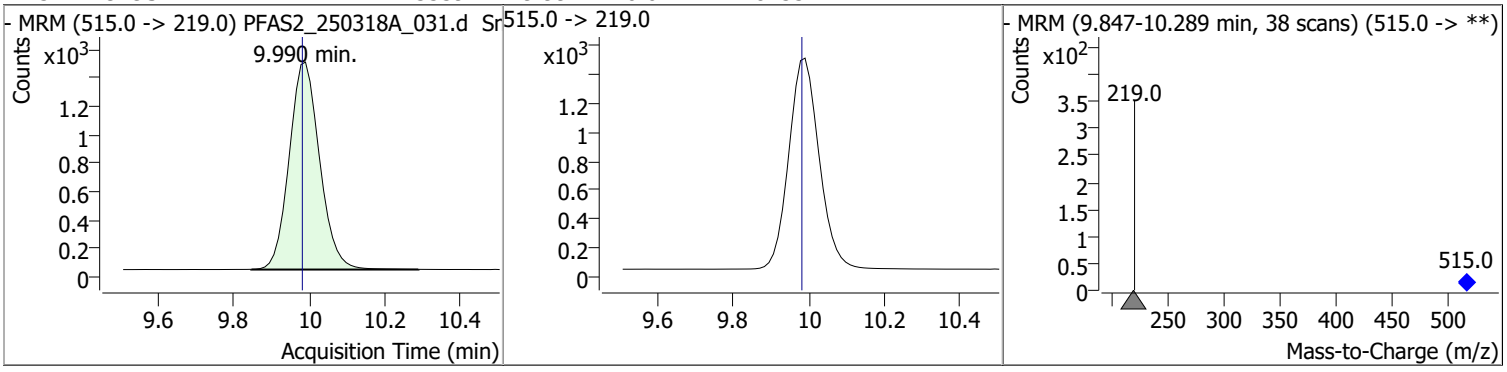
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.7209	9.85	0.00	62119				



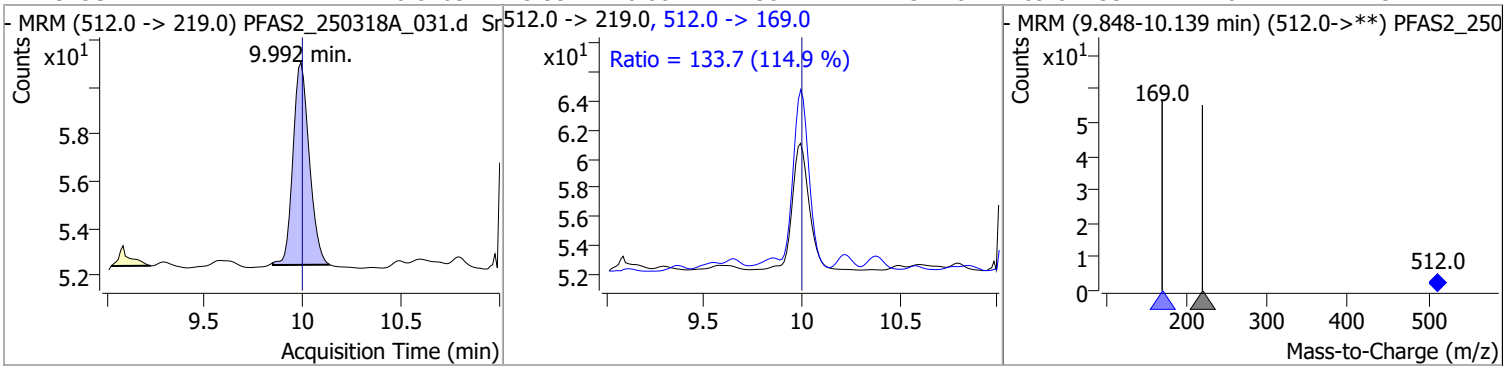
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1656	9.88	0.00	397				



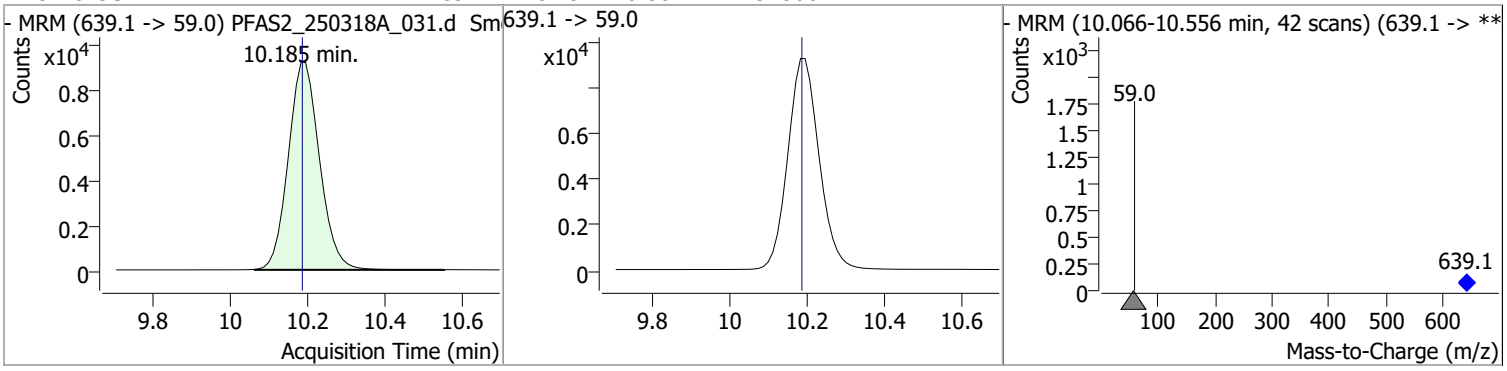
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3339	9.99	0.01	8153				



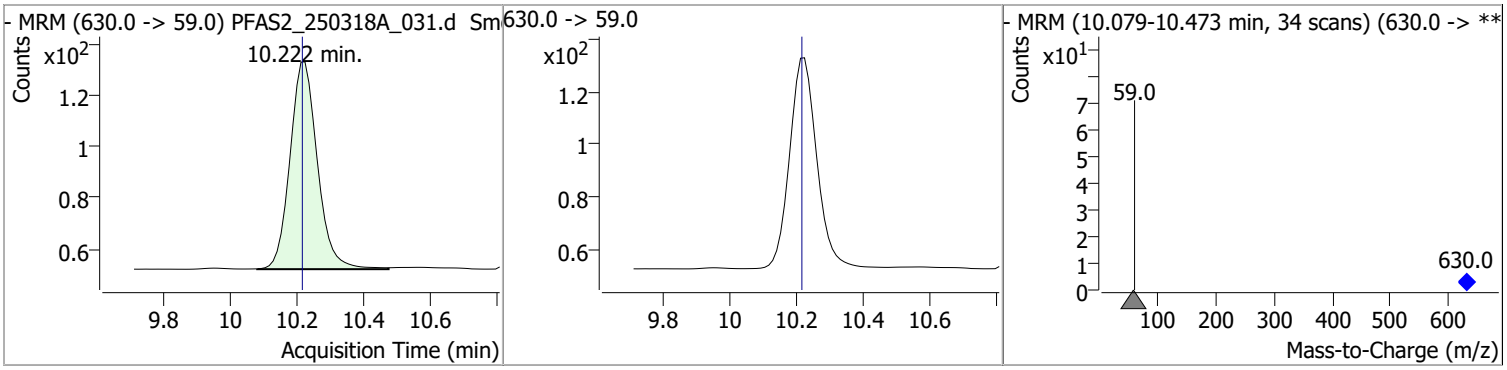
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0163	9.99	0.00	50	512.0 -> 169.0	133.7	81.4	151.2



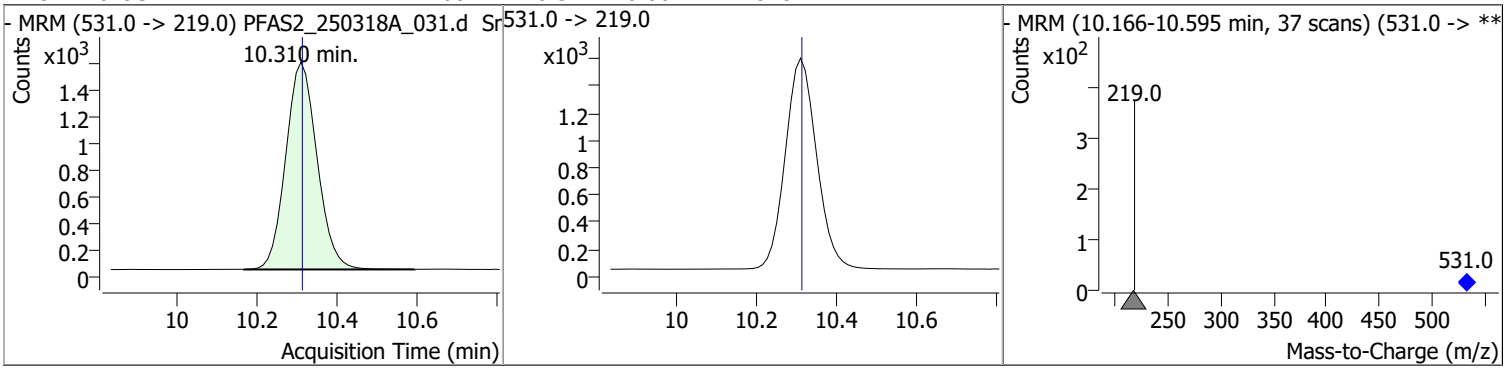
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2892	10.19	0.00	51866				



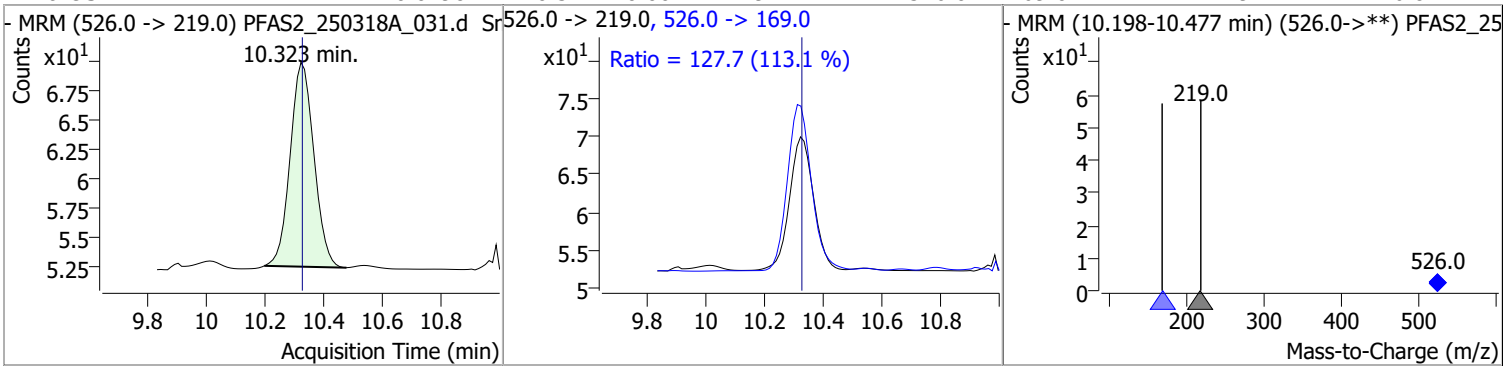
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.2574	10.22	0.01	462				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2460	10.31	0.00	8484				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0298	10.32	0.00	97	526.0 -> 169.0	127.7	79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_031.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 11:58:50 PM
Sample Name	O25C0550-07	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

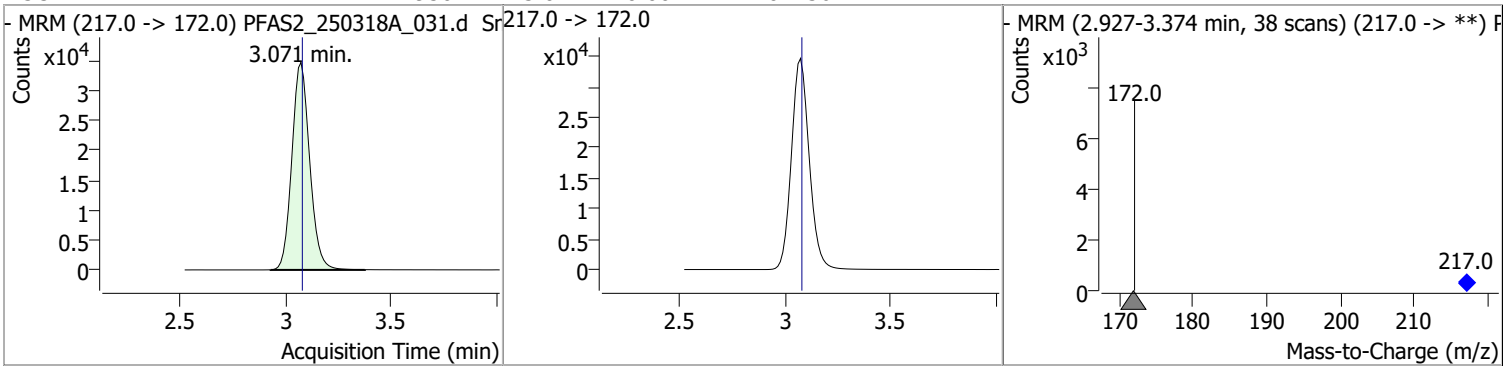
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	112213	5.0000	µg/L		-17.998
13C2-PFHxA	4.890	315.0 -> 270.0	124864	2.5000	µg/L		-18.615
18O2-PFHxS	5.955	403.0 -> 84.0	23989	2.5000	µg/L		-19.037
13C4-PFOA	5.823	417.0 -> 172.0	13083	2.5000	µg/L		-15.308
13C5-PFNA	6.214	468.0 -> 423.0	64853	1.2500	µg/L		-8.879
13C2-PFDA	6.592	515.0 -> 470.0	56764	1.2500	µg/L		-15.121
13C4-PFOS	6.759	503.0 -> 80.0	20930	2.5000	µg/L		-15.973
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	202736	10.0000	µg/L		-34.776
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 79.50%			
13C5-PFPeA	4.222	268.0 -> 223.0	184344	5.0000	µg/L		-10.910
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.47%			
13C5-PFPeA	4.222	268.0 -> 223.0	184344	5.0000	µg/L		-10.910
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.47%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26793	5.0000	µg/L	#	6.048
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.52%			
13C5-PFHxA	4.889	318.0 -> 273.0	138257	2.5000	µg/L		-18.116
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.59%			
13C5-PFHxA	4.889	318.0 -> 273.0	138257	2.5000	µg/L		-18.116
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.59%			
13C3-PFBS	4.929	302.0 -> 80.0	47805	2.5000	µg/L		-21.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.34%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154372	10.0000	µg/L		-11.672
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 108.53%			
13C4-PFHpA	5.397	367.0 -> 322.0	164192	2.5000	µg/L		-13.074
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.84%			
13C3-PFHxS	5.956	402.0 -> 80.0	29181	2.5000	µg/L		-16.504
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.16%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15096	5.0000	µg/L	#	2.215
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 126.39%			
13C8-PFOA	5.823	421.0 -> 376.0	153387	2.5000	µg/L		-11.203
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	29181	2.5000	µg/L		-16.504
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.16%			
13C9-PFNA	6.213	472.0 -> 427.0	66192	1.2500	µg/L		-6.062
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.04%			
13C8-PFOS	6.759	507.0 -> 80.0	21418	2.5000	µg/L		-15.291
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.85%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11070	5.0000	µg/L	#	-6.546
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.28%			
13C6-PFDA	6.591	519.0 -> 474.0	62680	1.2500	µg/L		-7.770
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.56%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49345	5.0000	µg/L		-11.598
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.09%			
13C8-PFOS	6.759	507.0 -> 80.0	21418	2.5000	µg/L		-15.291

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.85%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36406	5.0000	µg/L		-13.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.69%			
13C7-PFUnDA	6.978	570.0 -> 525.0	48854	1.2500	µg/L		-8.859
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.36%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	34787	1.2500	µg/L		-21.144
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.75%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35699	1.2500	µg/L		-10.630
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.30%			
13C2-PFTDA	8.080	715.0 -> 670.0	33876	1.2500	µg/L		-29.842
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.40%			
13C8-PFOSA	8.780	506.0 -> 78.0	30526	2.5000	µg/L		-17.409
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.09%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62119	25.0000	µg/L		-50.560
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 58.88%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8153	2.5000	µg/L		-21.369
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
2H9-EtFOSE	10.185	639.1 -> 59.0	51866	25.0000	µg/L		-18.333
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8484	2.5000	µg/L		-24.517
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.84%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6479	0.4451	µg/L		100
PFMPA	3.614	229.0 -> 85.0	21	0.0562	µg/L		100
3-3 FTCA	3.742	241.0 -> 177.0	8	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	4289	0.1502	µg/L		100
PFMBA	4.041	279.0 -> 85.0	5	0.0339	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	67	0.0041	µg/L		41
NFDHA	4.834	295.0 -> 201.0	23	0.0222	µg/L		94
PFHxA	4.892	313.0 -> 269.0	2044	0.0413	µg/L	#	97
PFBS	4.930	298.9 -> 80.0	5692	0.2869	µg/L		90
HFPO-DA	5.075	285.0 -> 169.0	58	0.0043	µg/L	#	1
PFEESA	0.000		0	N.D.			
PFHpA	5.410	363.0 -> 319.0	634	0.0313	µg/L	#	80
5-3 FTCA	5.435	341.0 -> 237.0	13	0.1802	µg/L	#	1
PFPeS	5.494	348.9 -> 80.0	683	0.0434	µg/L	#	72
DONA	6.114	377.0 -> 251.0	133	0.0689	µg/L	#	83
6-2 FTSA	5.631	427.0 -> 407.0	389	0.1464	µg/L		91
PFOA	5.824	413.0 -> 369.0	747	0.0486	µg/L	#	85
PFHxS	5.957	398.9 -> 80.0	2310	0.2035	µg/L		84
PFNA	6.071	463.0 -> 419.0	104	0.0088	µg/L		62
PFHpS	6.239	448.9 -> 80.0	12	0.0013	µg/L	#	1
8-2 FTSA	6.412	527.0 -> 507.0	20	0.0764	µg/L		47
7-3 FTCA	6.609	441.0 -> 317.0	32	0.2555	µg/L	#	47
PFDA	6.592	513.0 -> 469.0	146	0.0000	µg/L		68
N-MeFOSAA	6.707	570.0 -> 419.0	74	0.0167	µg/L		33
PFOS	6.760	498.9 -> 80.0	384	0.0757	µg/L	#	75
N-EtFOSAA	6.941	584.0 -> 419.0	66	0.0208	µg/L		24
PFUnDA	6.979	563.0 -> 519.0	22	0.0138	µg/L		63
9Cl-PF3ONS	7.053	530.9 -> 350.9	47	0.0659	µg/L		86
PFNS	7.183	548.9 -> 80.0	12	0.0016	µg/L		26
PFDoDA	7.344	613.0 -> 569.0	187	0.0071	µg/L	#	71
PFDS	7.502	598.9 -> 80.0	30	0.0055	µg/L		81
PFTrDA	7.713	663.0 -> 619.0	173	0.0066	µg/L	#	76

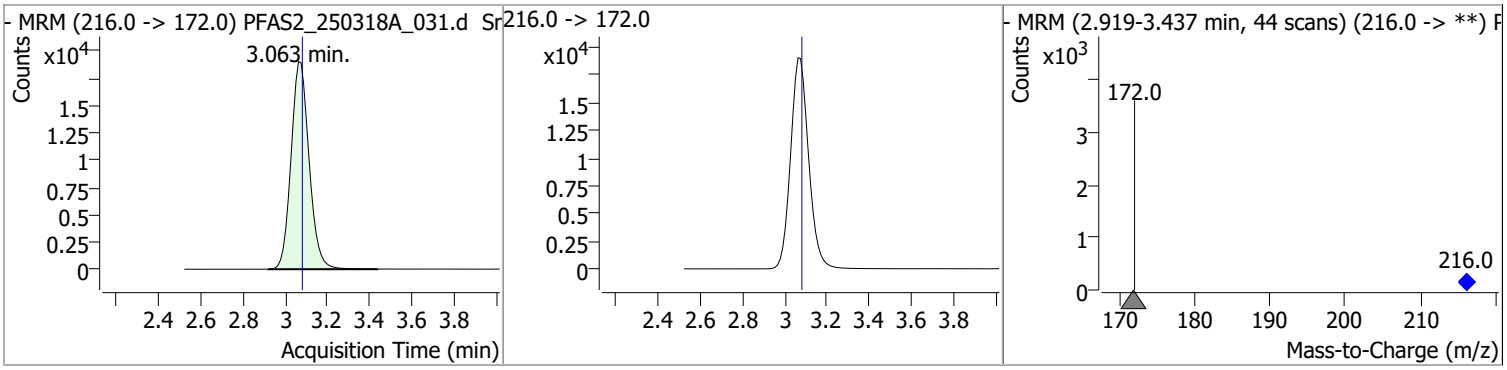
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	173	0.0085	µg/L		93
PFTDA	8.081	712.9 -> 669.0	184	0.0146	µg/L		97
PFDoS	8.228	698.9 -> 80.0	14	0.0037	µg/L	#	25
PFOSA	8.771	497.9 -> 78.0	50	0.0048	µg/L		89
MeFOSE	9.878	616.0 -> 59.0	397	0.1656	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	50	0.0163	µg/L		84
EtFOSE	10.222	630.0 -> 59.0	462	0.2574	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	97	0.0298	µg/L		86

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

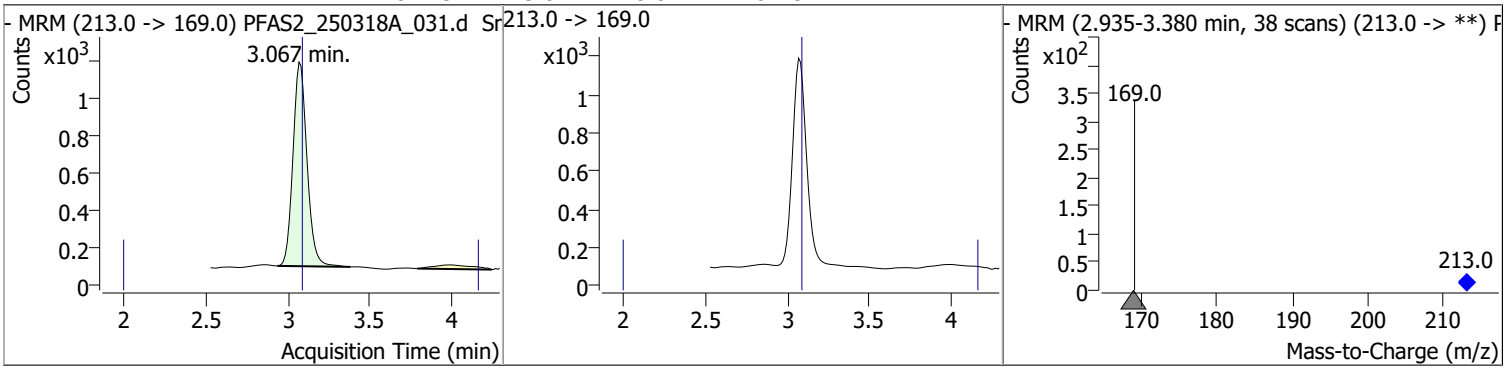
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.9504	3.07	0.00	202736				



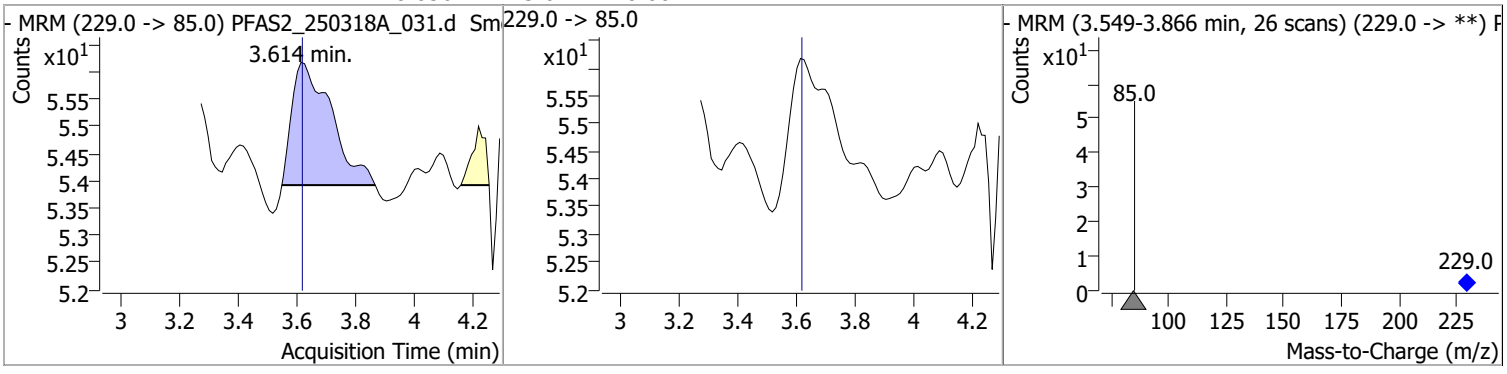
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	112213				



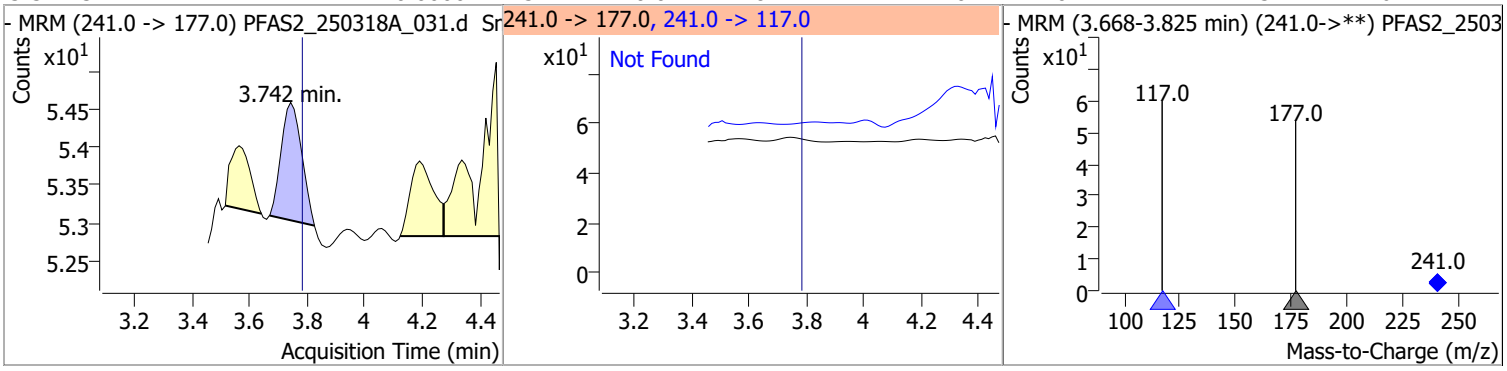
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4451	3.07	-0.01	6479				



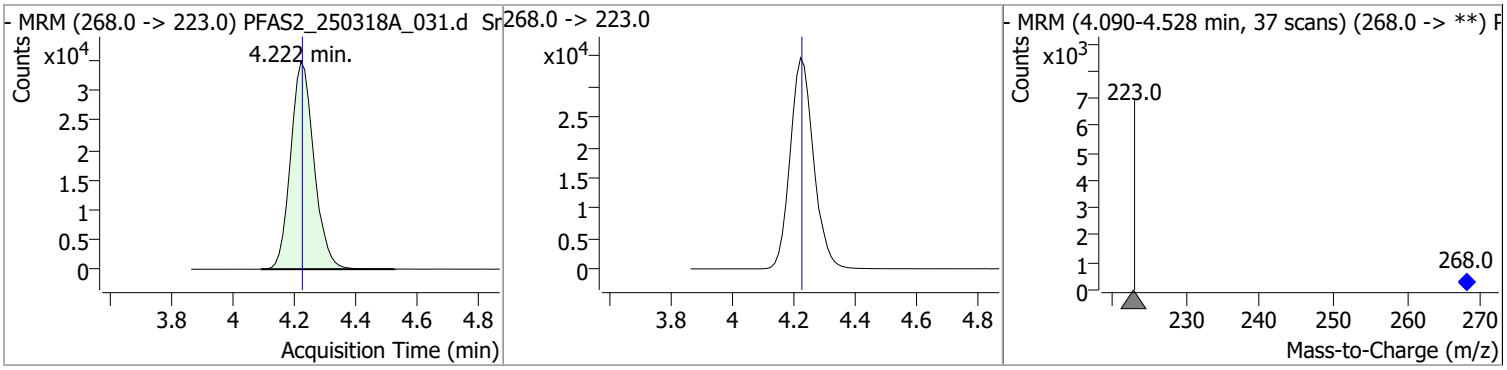
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0562	3.61	0.00	21				



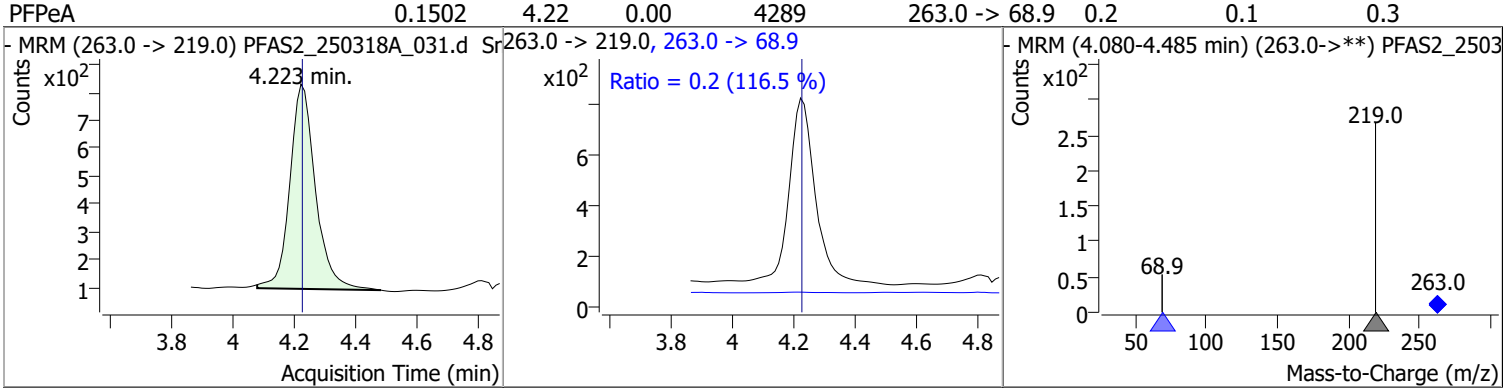
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.74	-0.04	8	241.0 -> 117.0		41.3	76.7



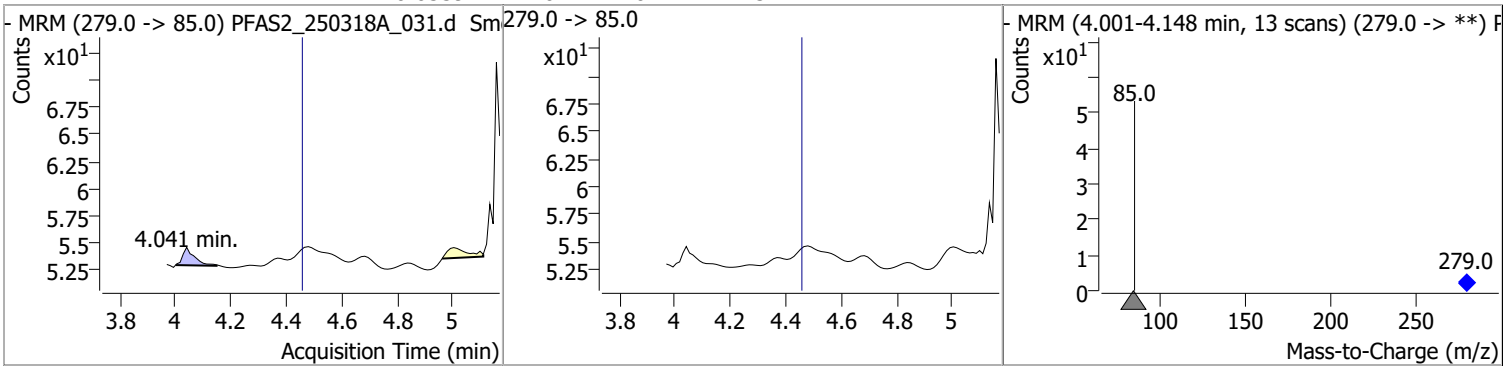
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.4737	4.22	0.00	184344				



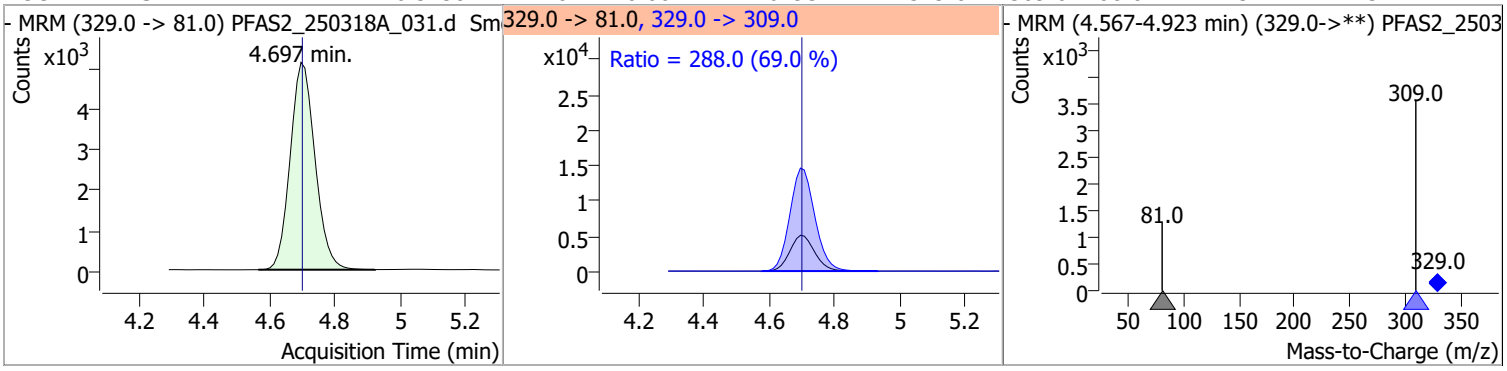
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.1502	4.22	0.00	4289	263.0 -> 68.9	0.2	0.1	0.3



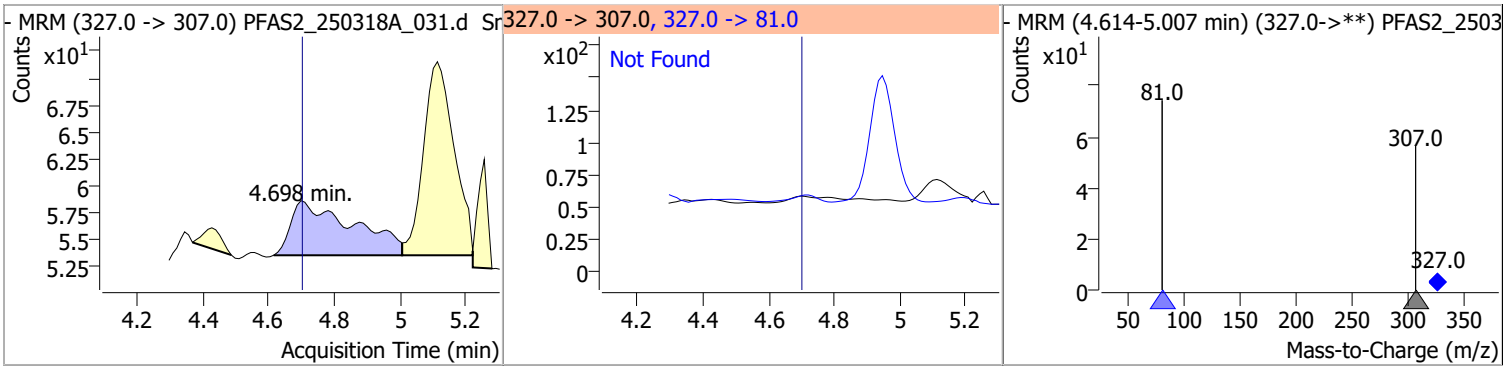
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0339	4.04	-0.41	5				



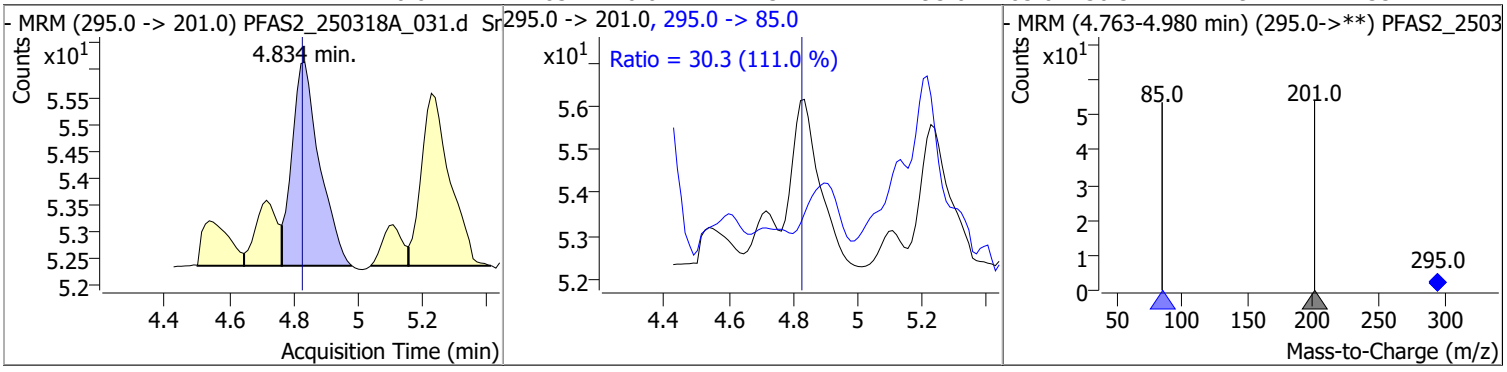
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5758	4.70	0.00	26793	329.0 -> 309.0	288.0	292.1	542.4



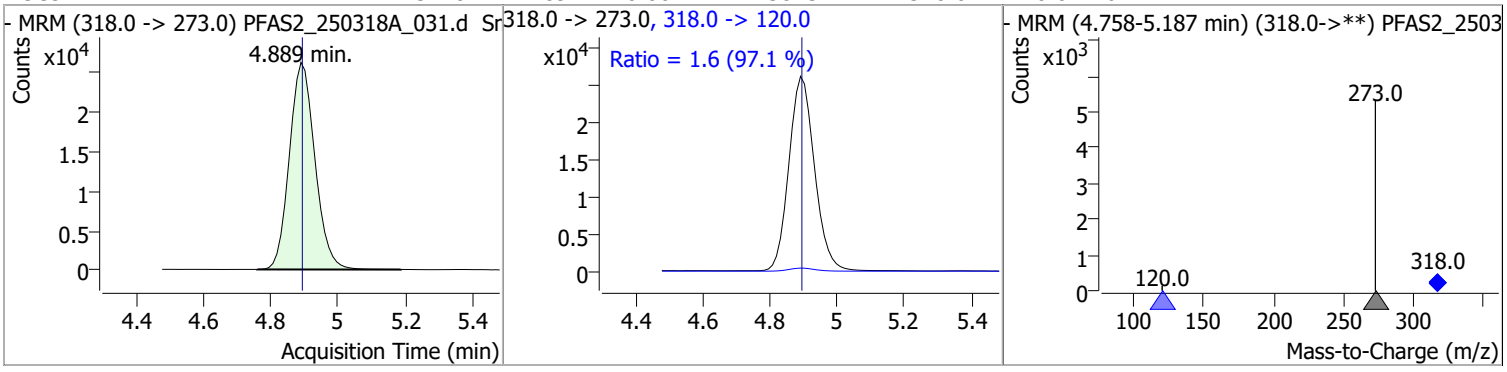
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0041	4.70	0.00	67	327.0 -> 81.0		23.6	43.9



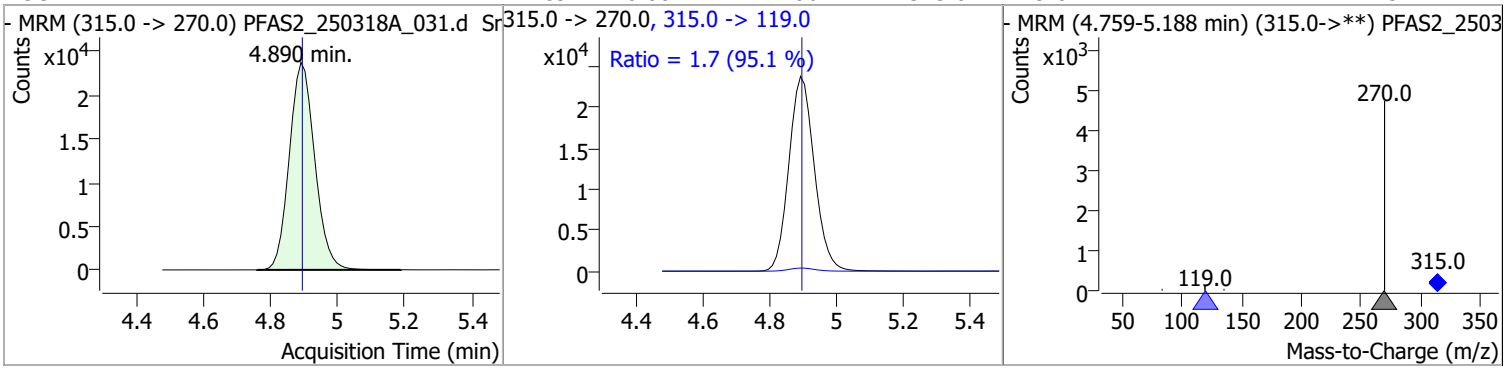
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0222	4.83	0.01	23	295.0 -> 85.0	30.3	19.1	35.4



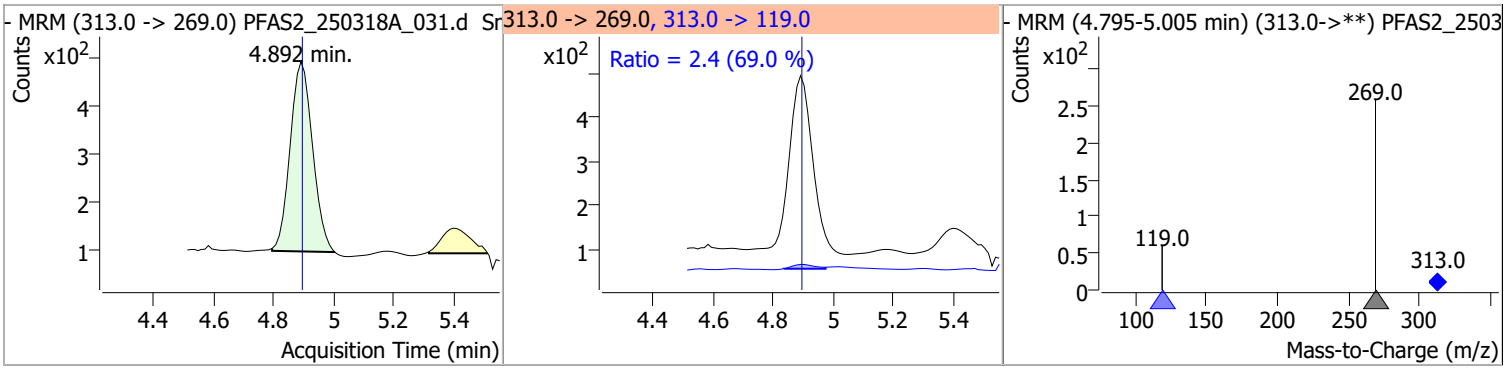
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5148	4.89	0.00	138257	318.0 -> 120.0	1.6	1.1	2.1



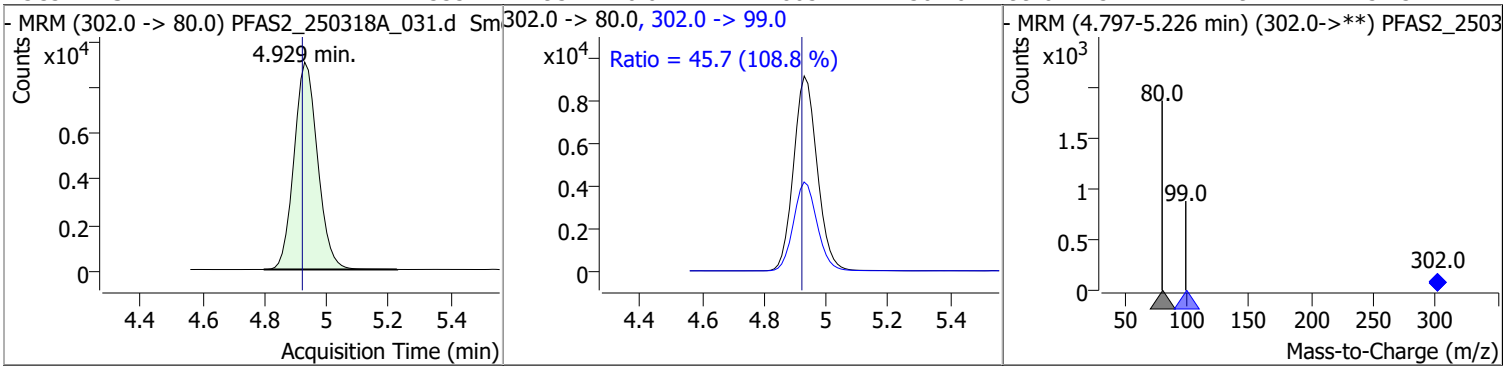
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	124864	315.0 -> 119.0	1.7	1.2	2.3



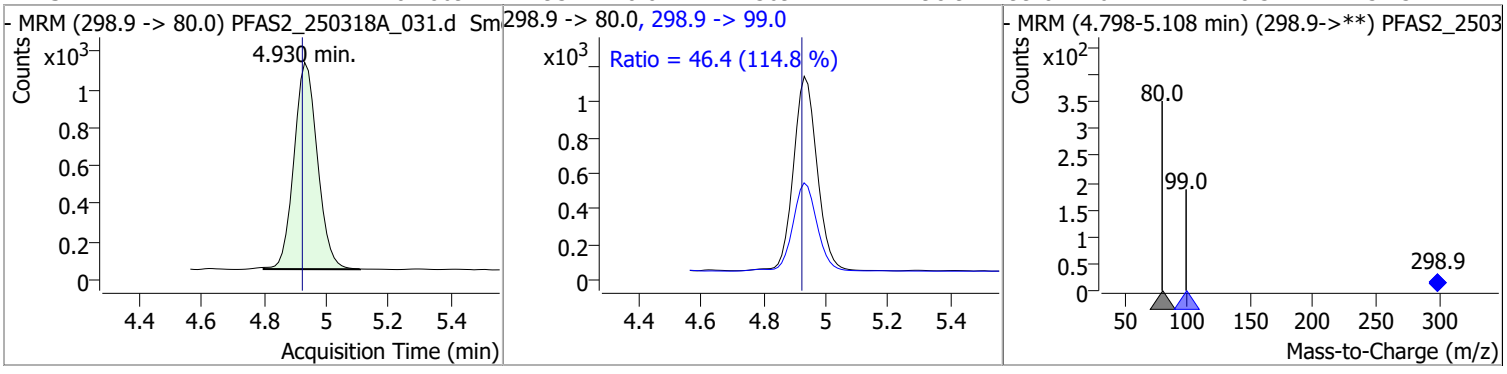
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0413	4.89	0.00	2044	313.0 -> 119.0	2.4	2.4	4.5



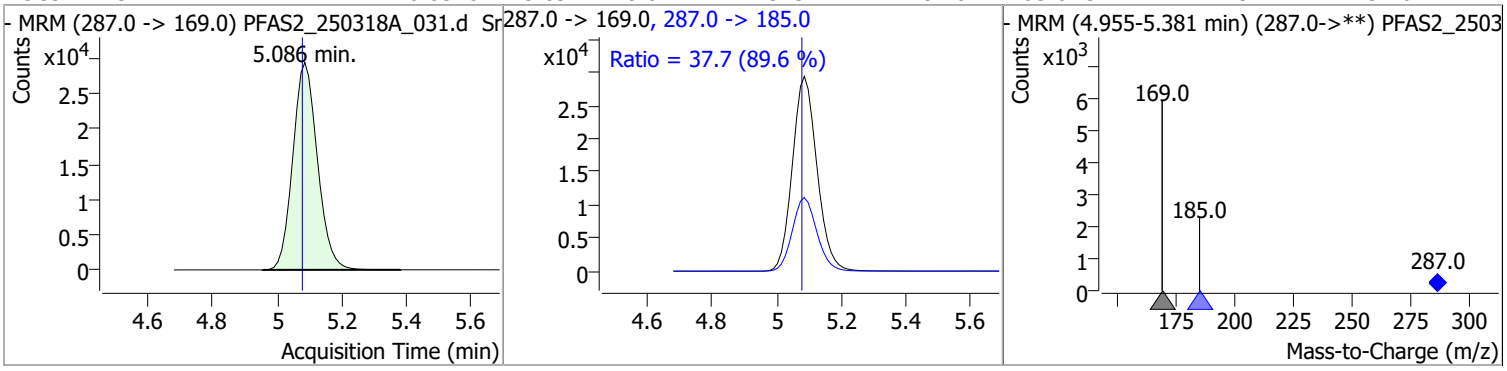
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4335	4.93	0.01	47805	302.0 -> 99.0	45.7	29.4	54.5



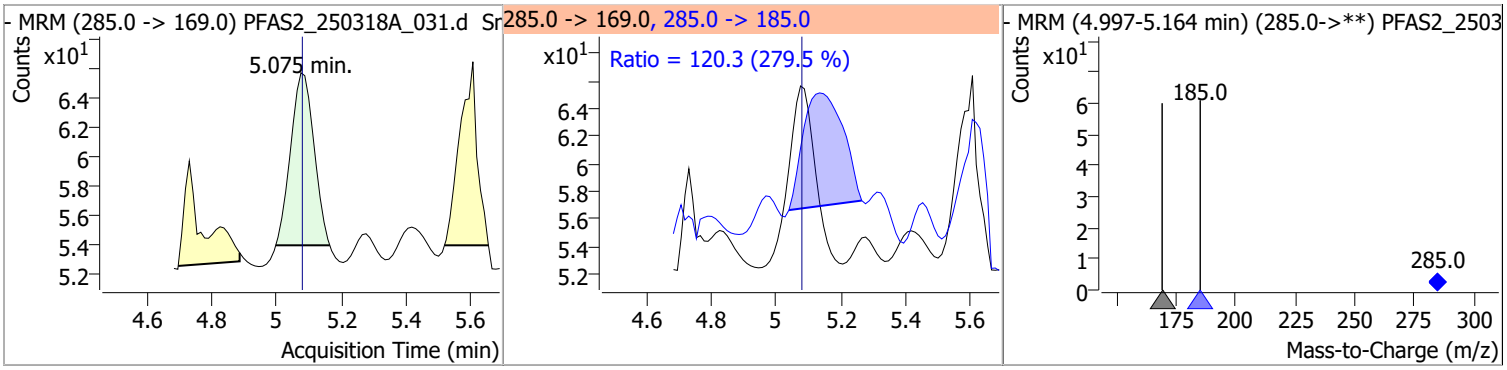
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.2869	4.93	0.01	5692	298.9 -> 99.0	46.4	28.3	52.5



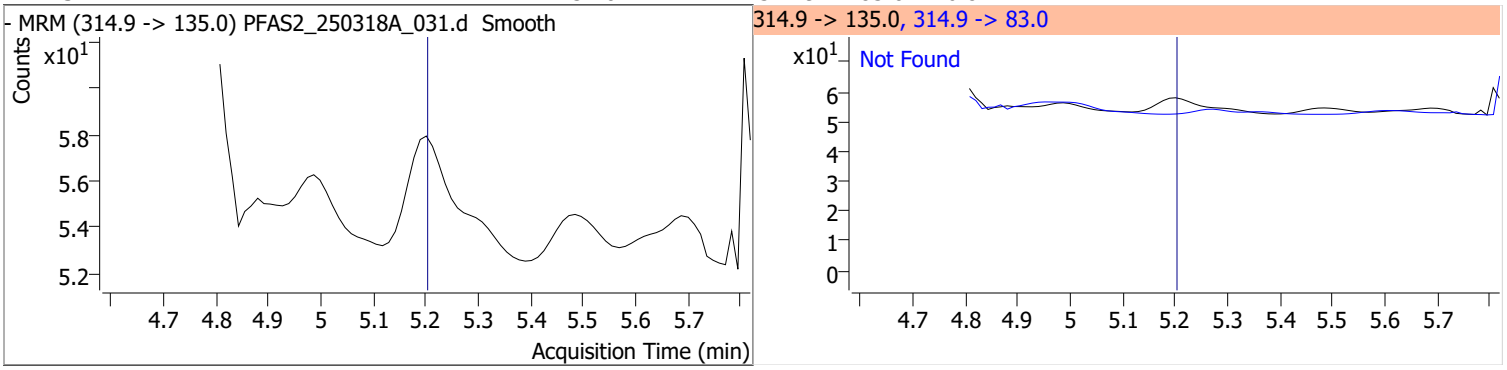
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.8528	5.09	0.01	154372	287.0 -> 185.0	37.7	29.4	54.6



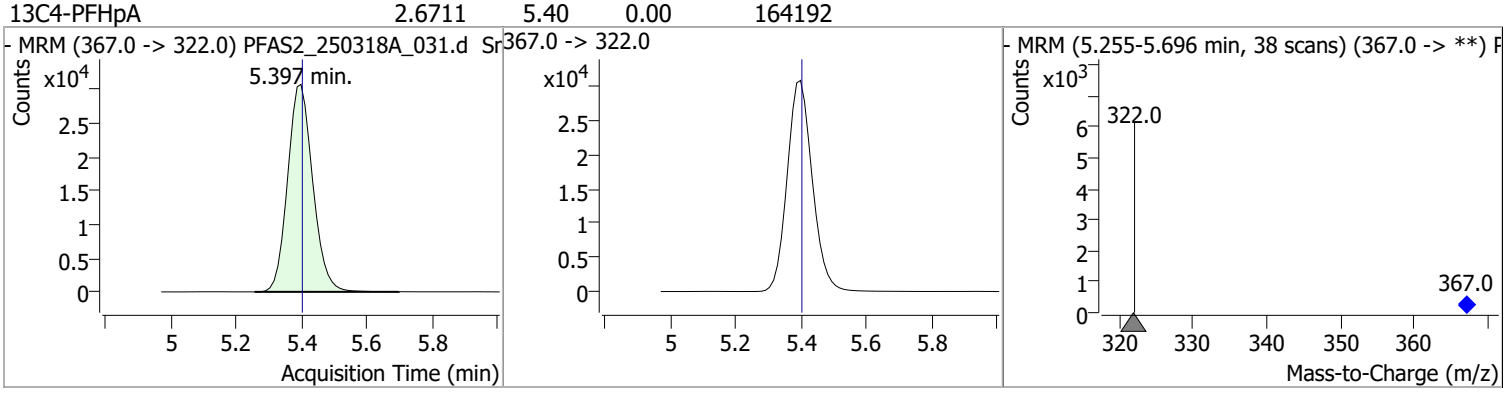
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0043	5.07	0.00	58	285.0 -> 185.0	120.3	30.1	56.0



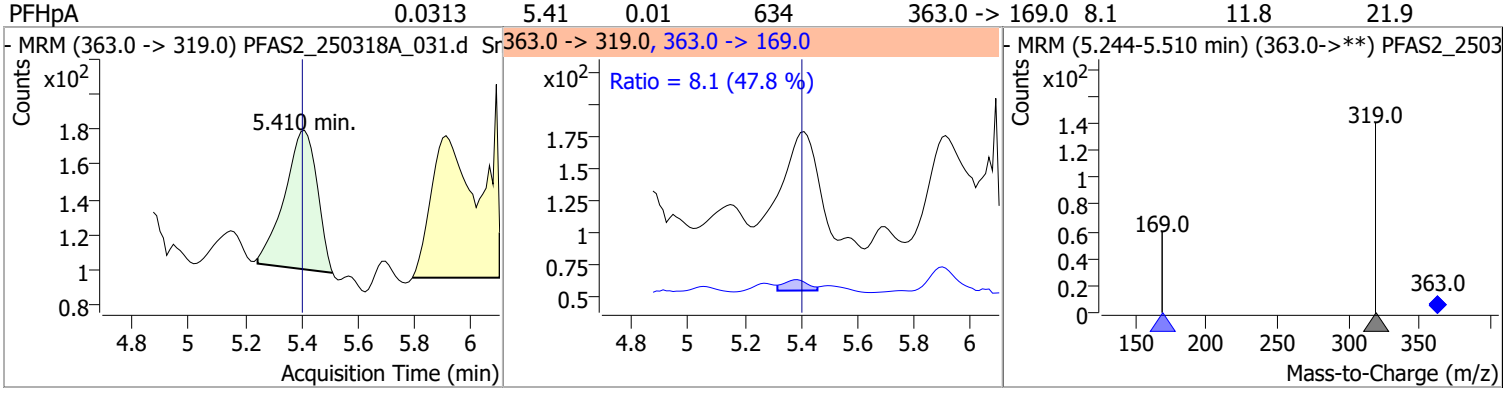
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.20	314.9 -> 83.0	6.8



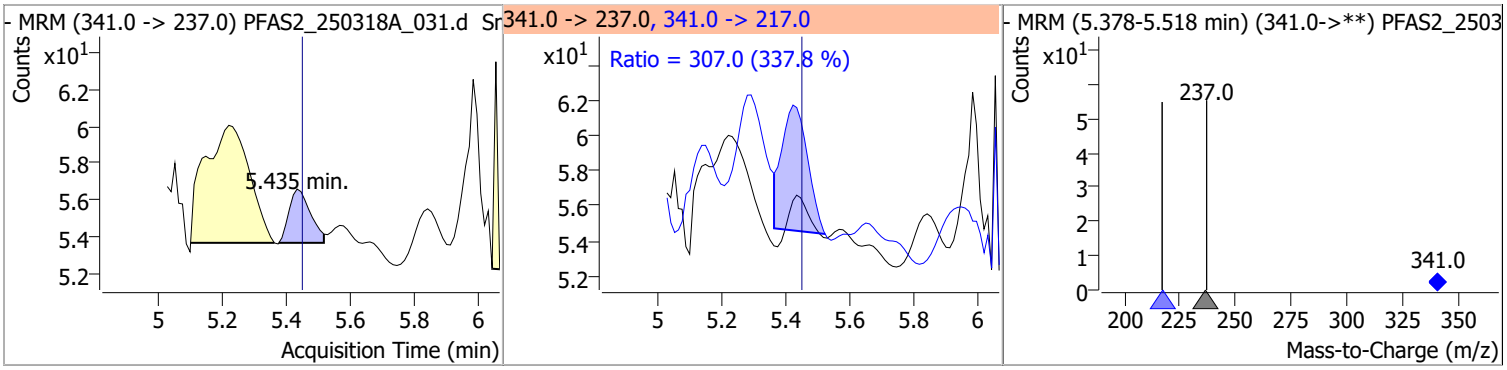
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6711	5.40	0.00	164192				



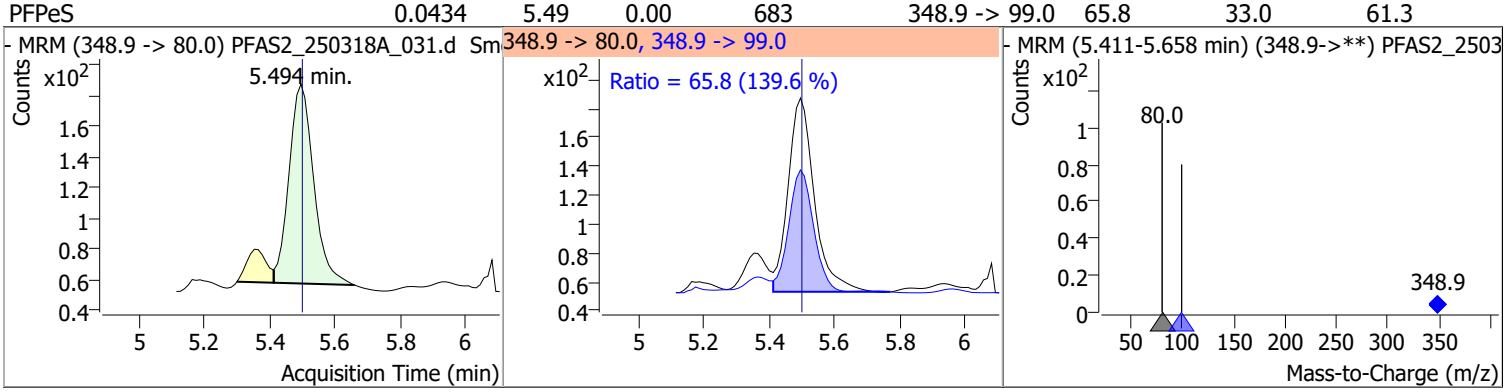
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0313	5.41	0.01	634	363.0 -> 169.0	8.1	11.8	21.9



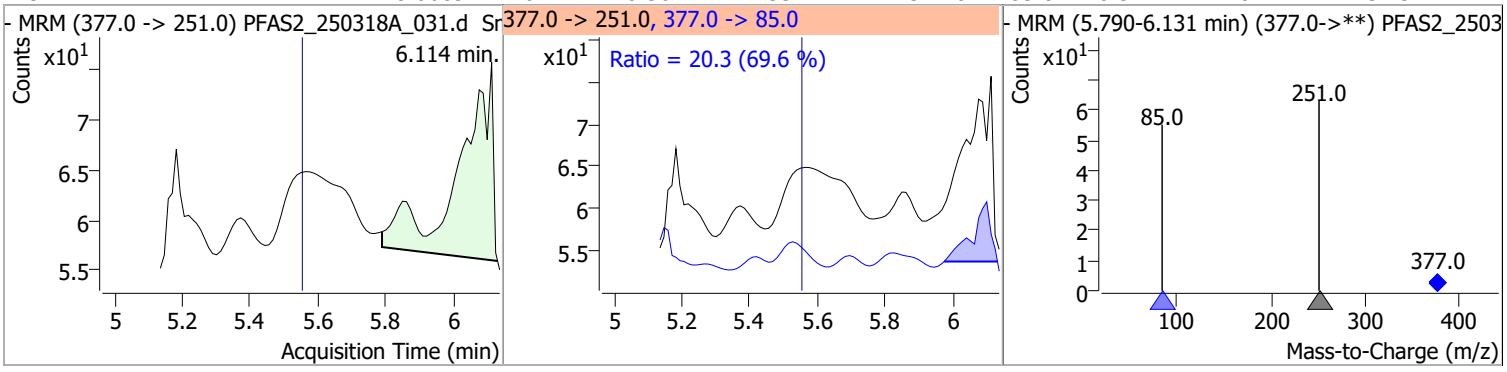
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1802	5.43	-0.01	13	341.0 -> 217.0	307.0	63.6	118.1



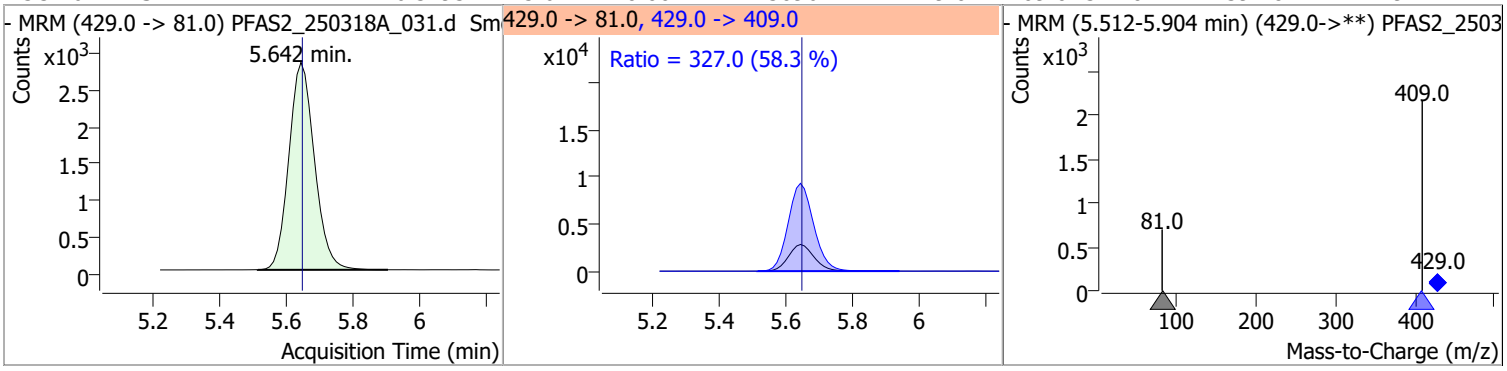
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0434	5.49	0.00	683	348.9 -> 99.0	65.8	33.0	61.3



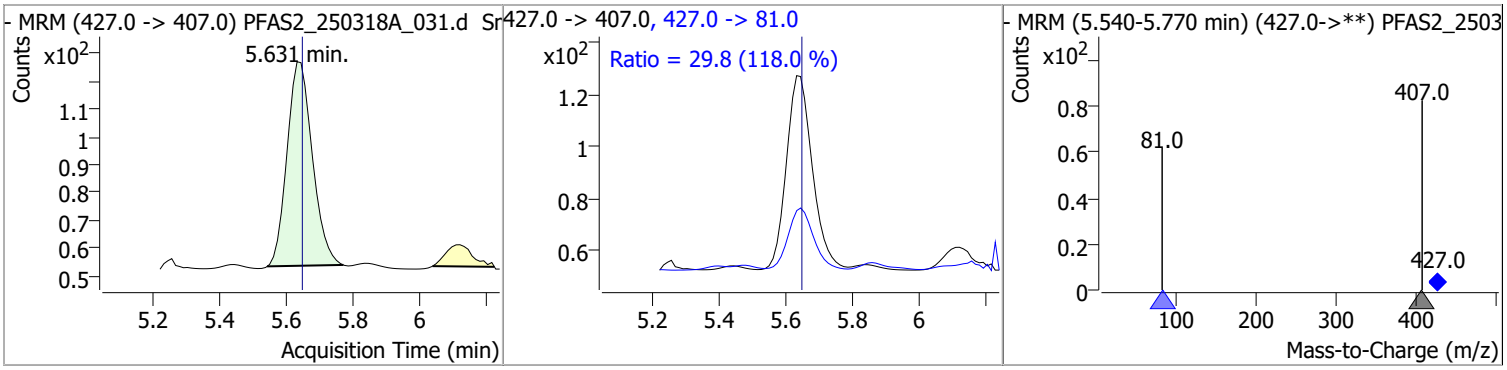
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0689	6.11	0.56	133	377.0 -> 85.0	20.3	20.4	37.9



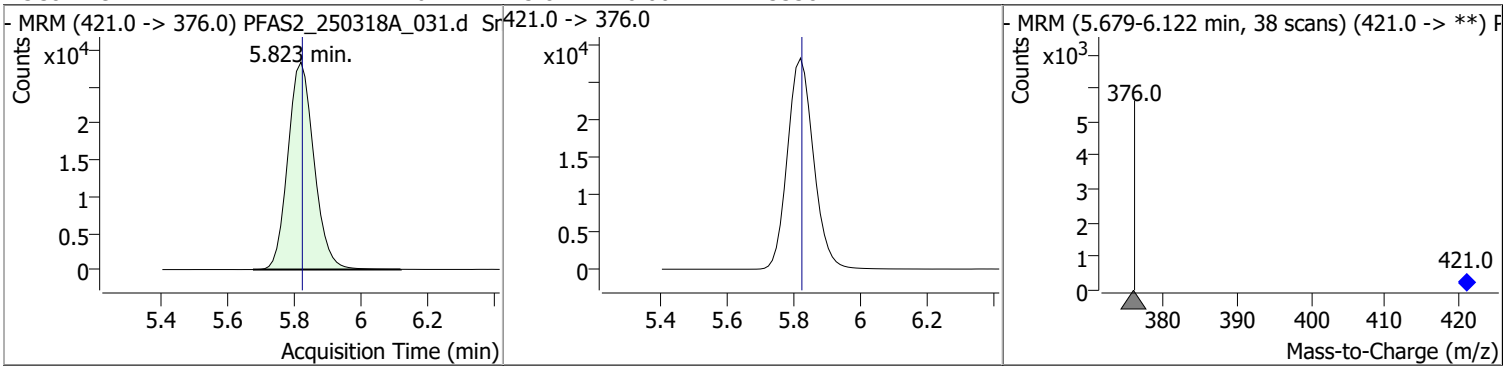
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.3193	5.64	0.00	15096	429.0 -> 409.0	327.0	392.8	729.4



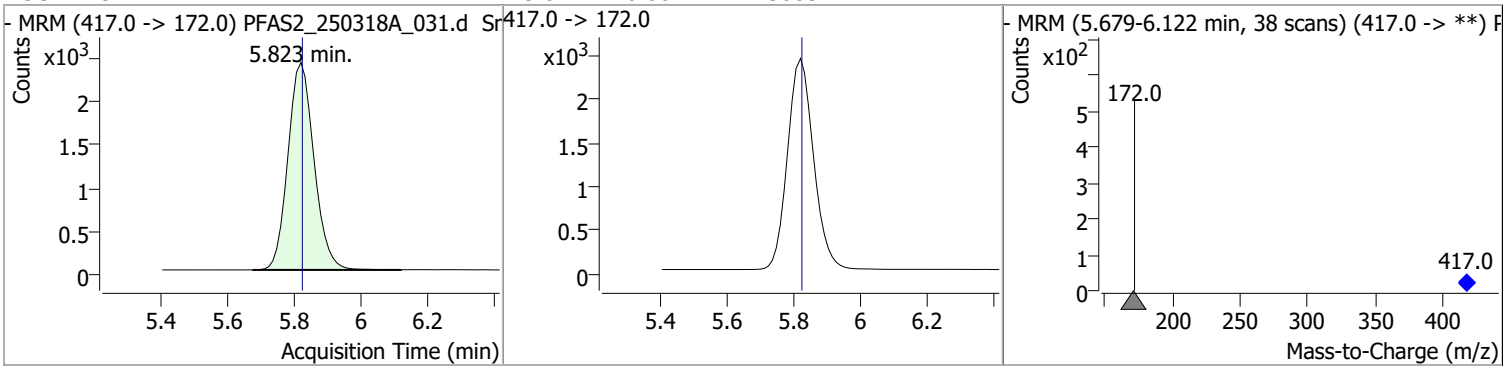
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1464	5.63	-0.01	389	427.0 -> 81.0	29.8	17.7	32.8



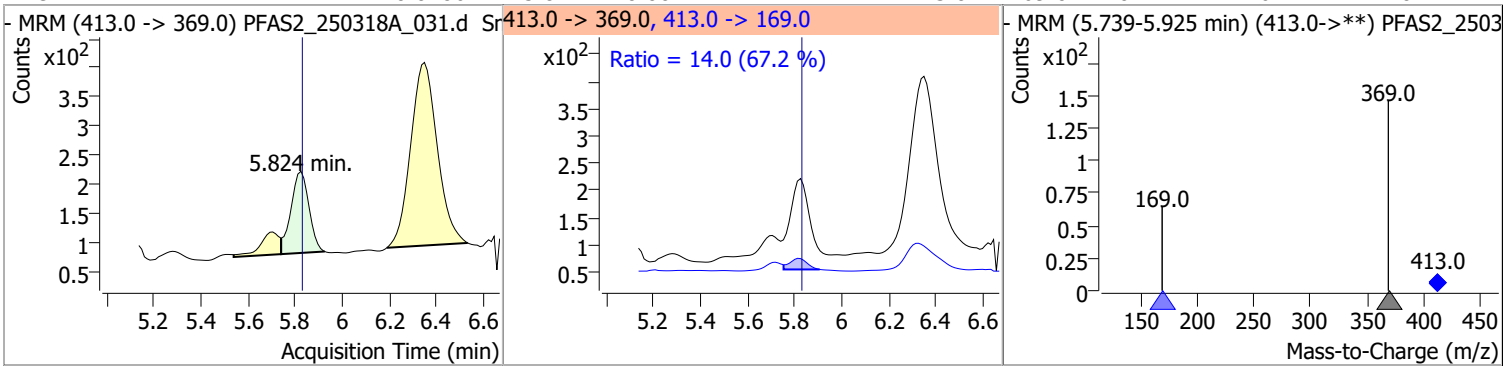
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6217	5.82	0.00	153387				



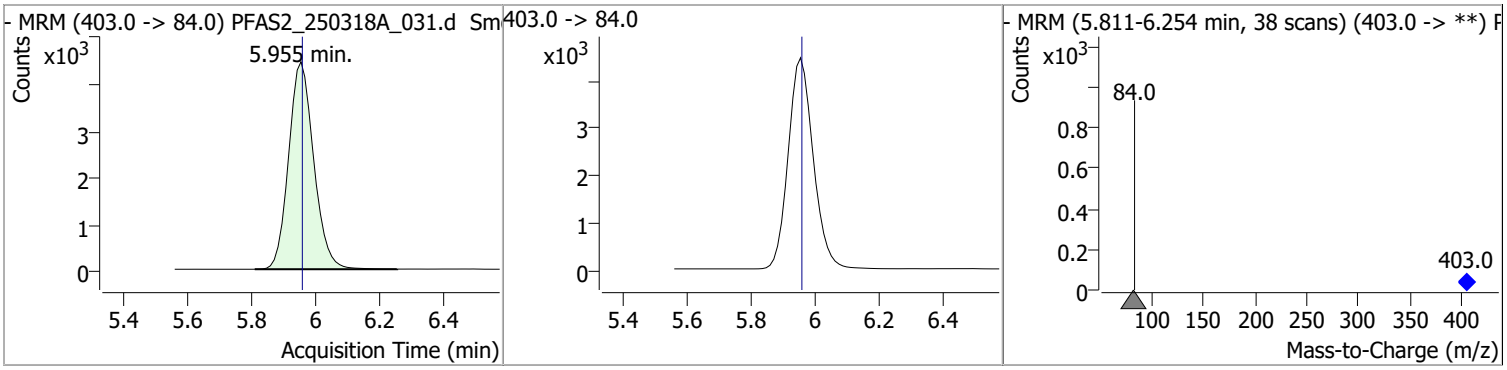
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13083				



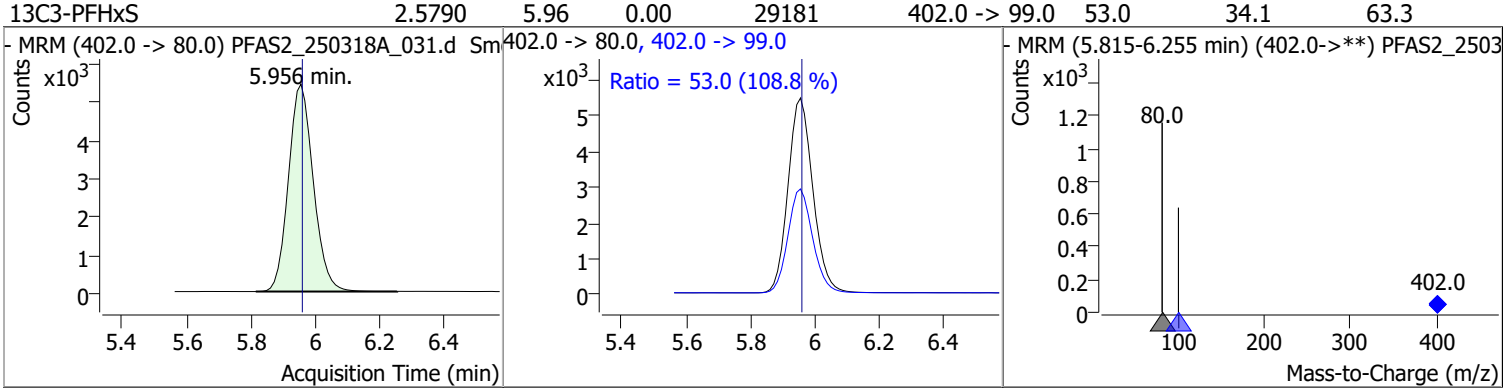
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0486	5.82	0.00	747	413.0 -> 169.0	14.0	14.6	27.0



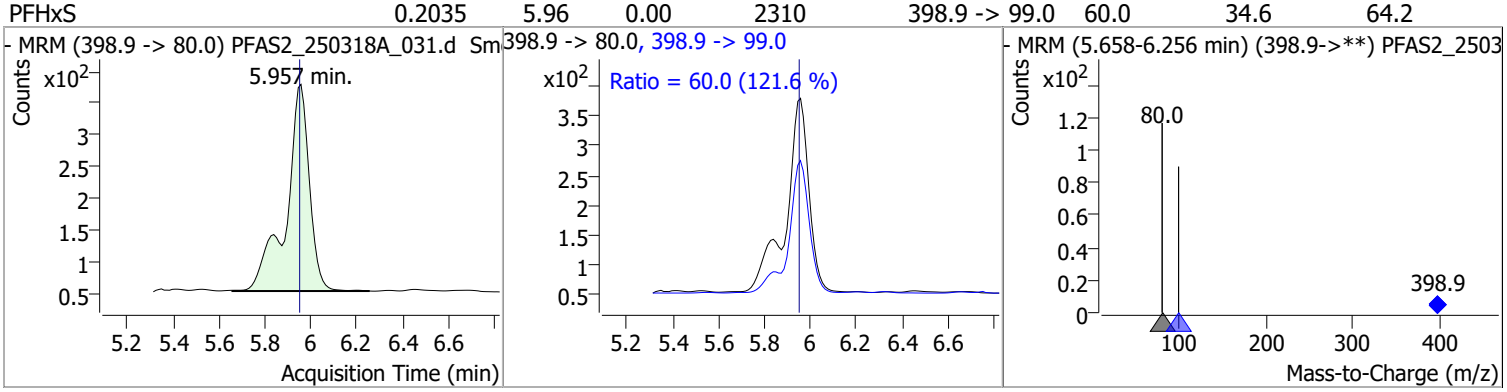
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	23989				



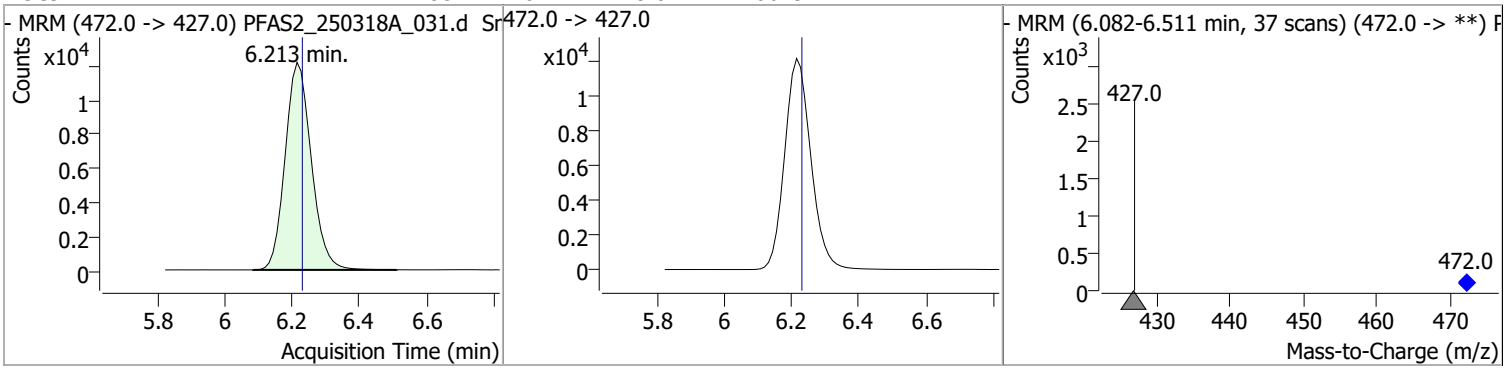
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5790	5.96	0.00	29181	402.0 -> 99.0	53.0	34.1	63.3



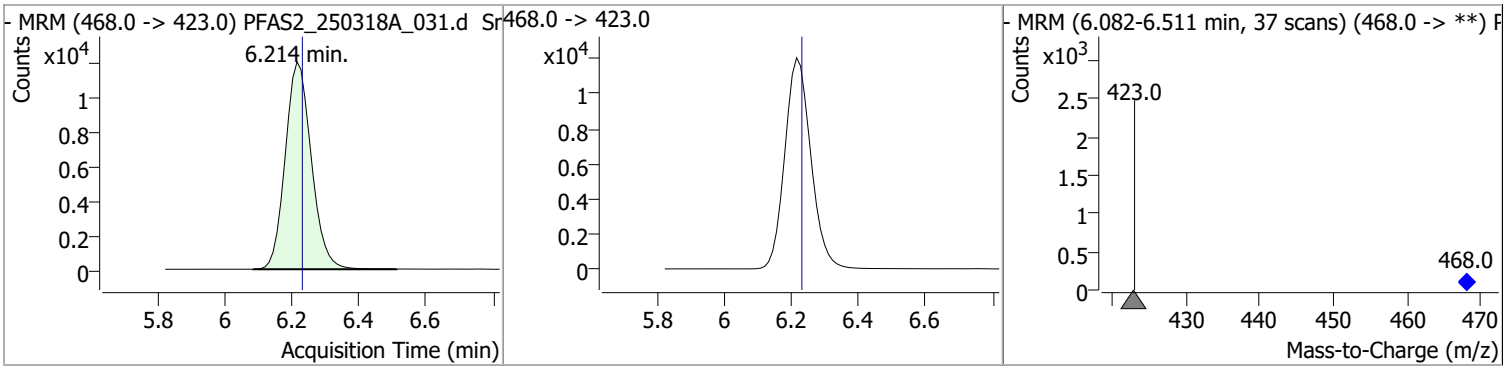
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2035	5.96	0.00	2310	398.9 -> 99.0	60.0	34.6	64.2



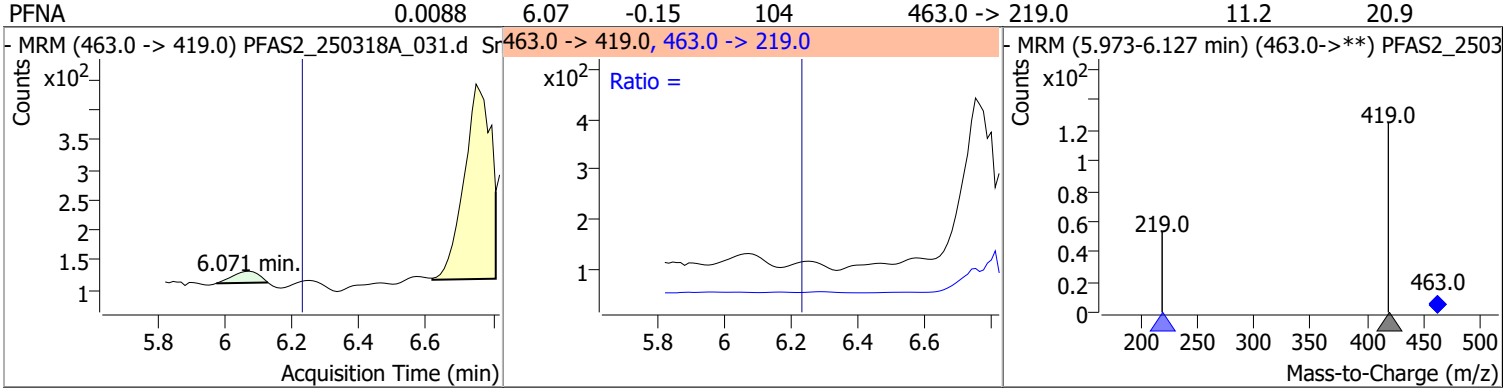
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2881	6.21	-0.01	66192				



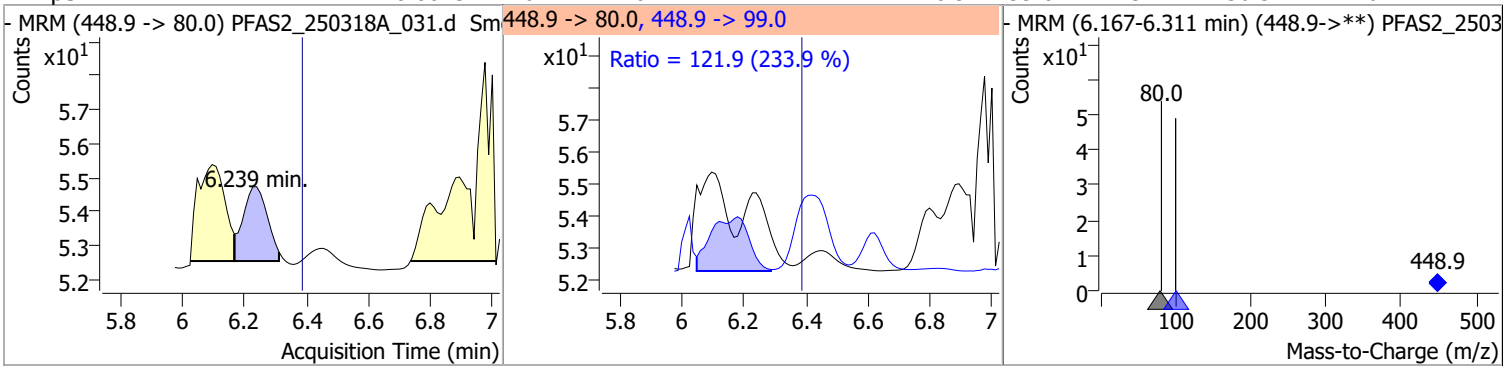
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	64853				



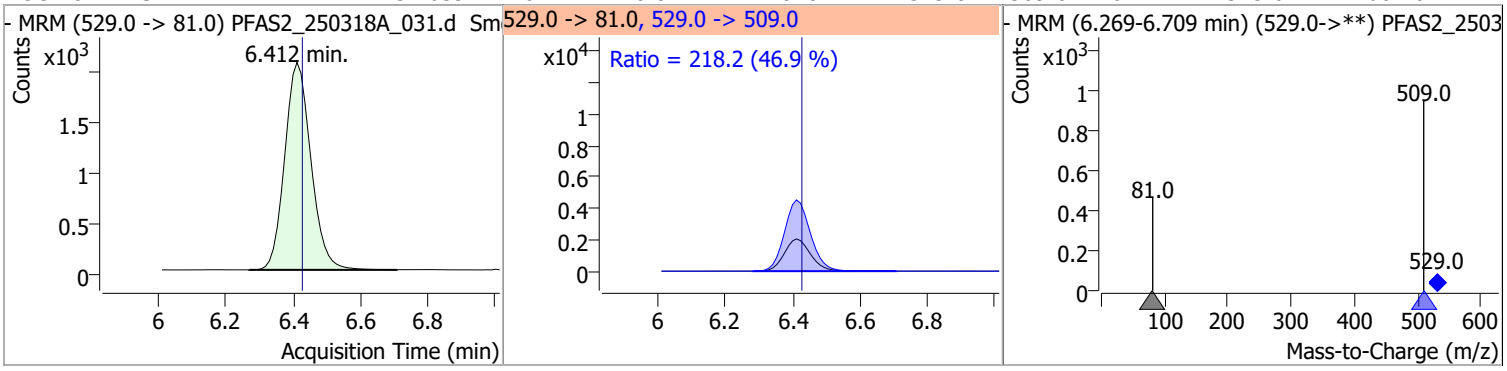
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0088	6.07	-0.15	104	463.0 -> 219.0		11.2	20.9



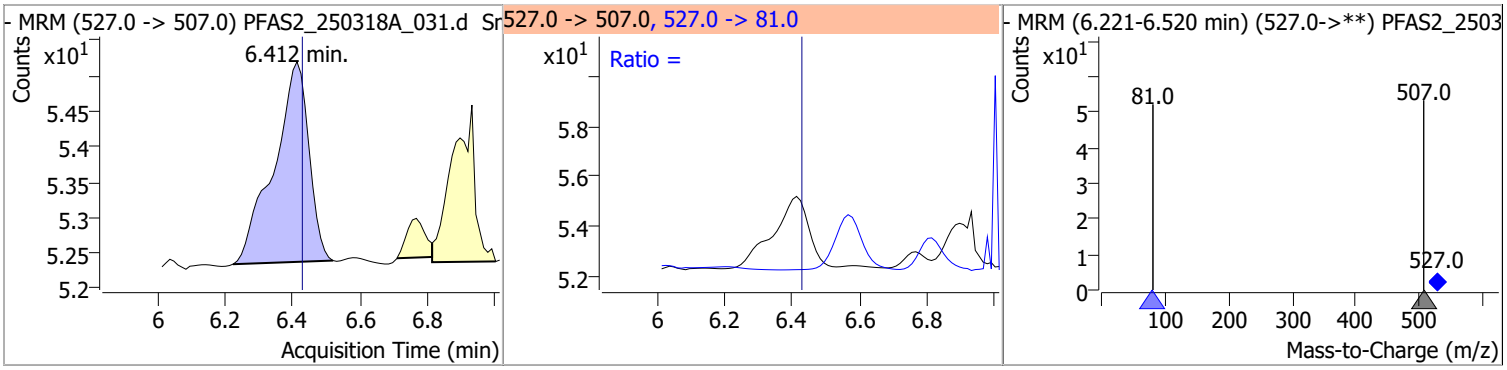
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0013	6.24	-0.14	12	448.9 -> 99.0	121.9	36.5	67.7



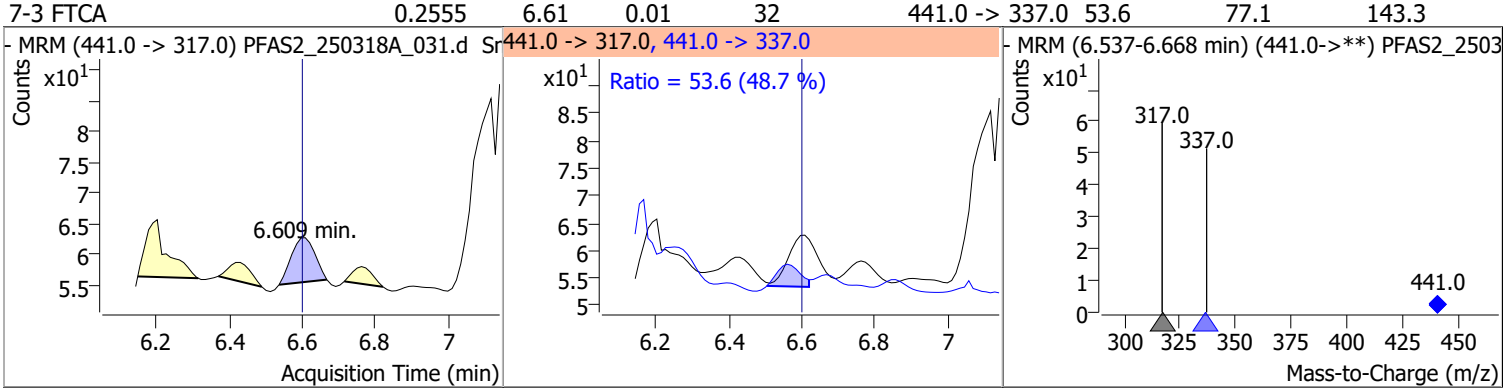
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.7639	6.41	-0.01	11070	529.0 -> 509.0	218.2	325.6	604.6



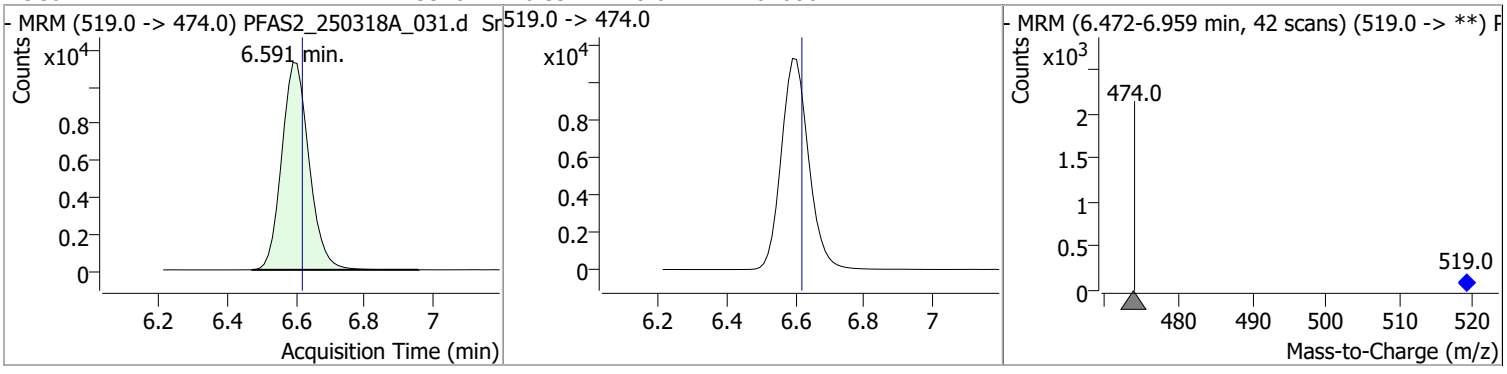
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0764	6.41	-0.01	20	527.0 -> 81.0		19.7	36.6



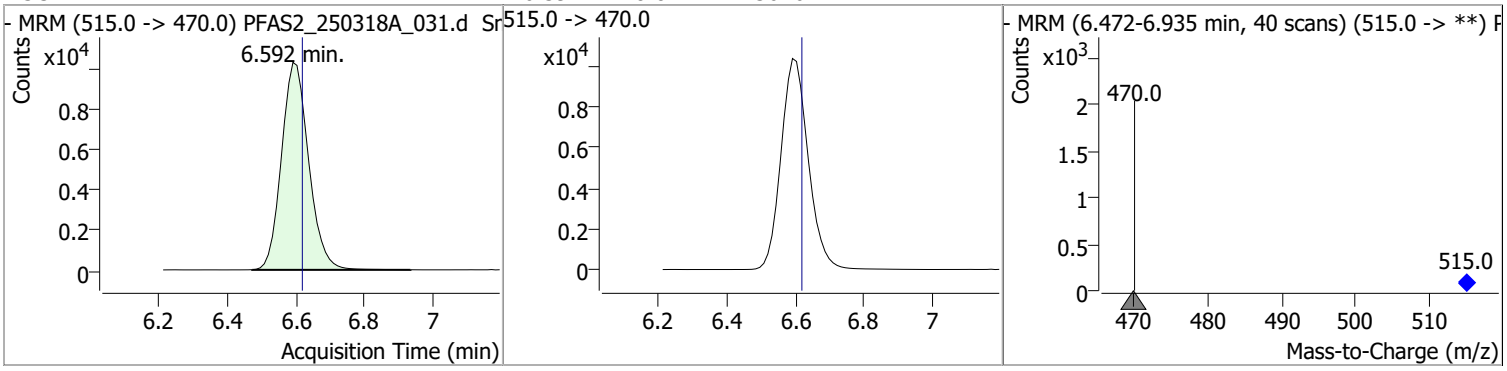
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2555	6.61	0.01	32	441.0 -> 337.0	53.6	77.1	143.3



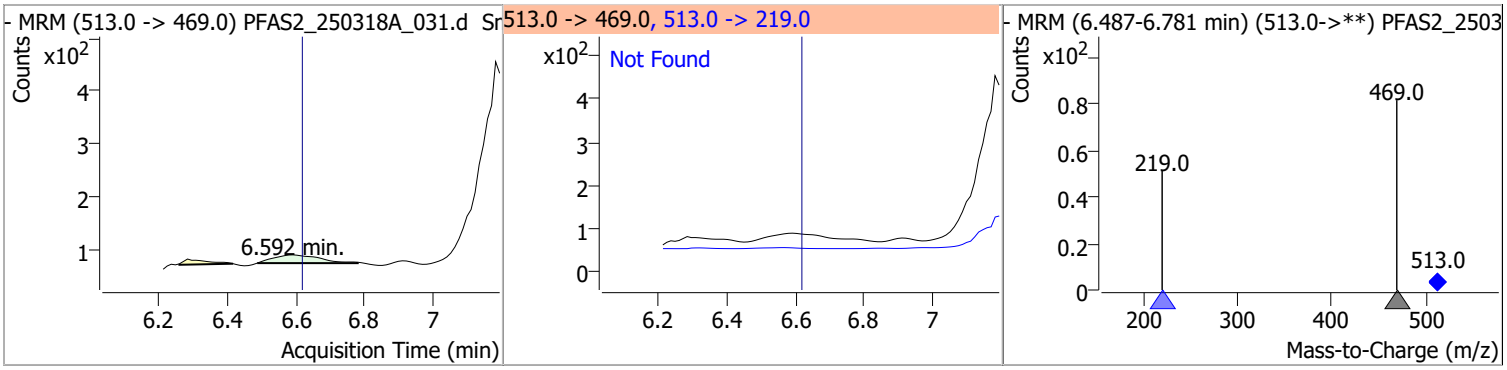
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3570	6.59	-0.02	62680				



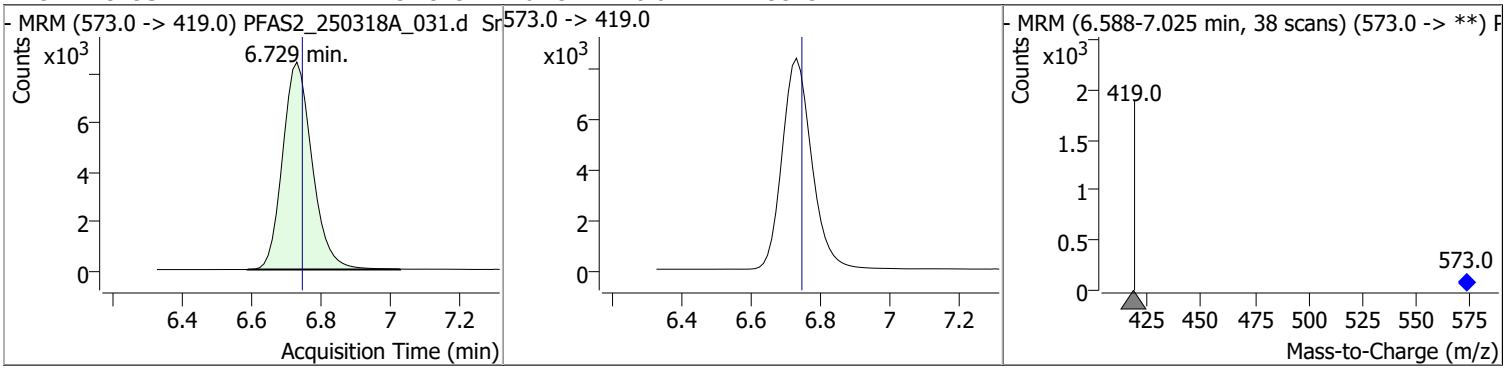
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	-0.02	56764				



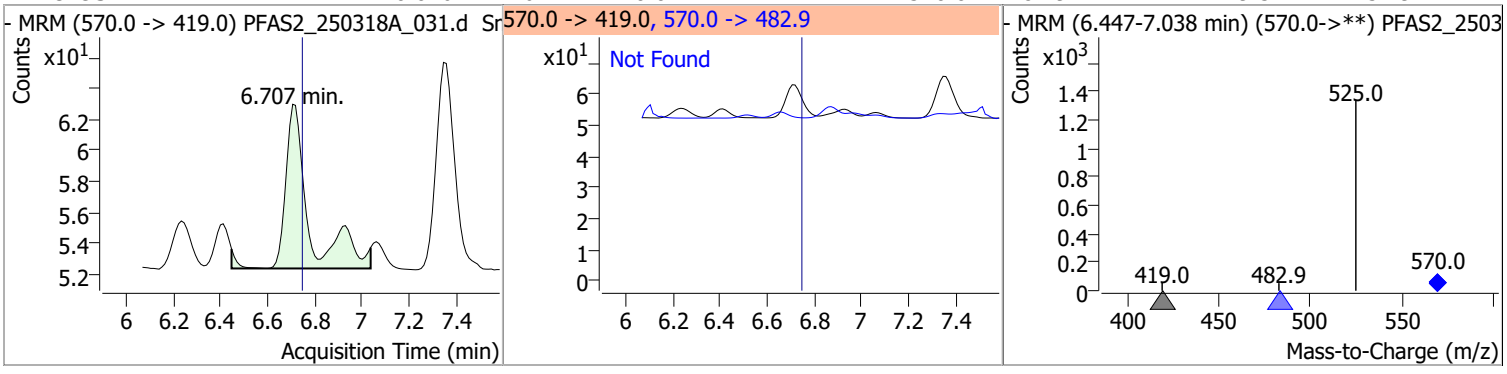
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.59	-0.02	146	513.0 -> 219.0		8.7	16.2



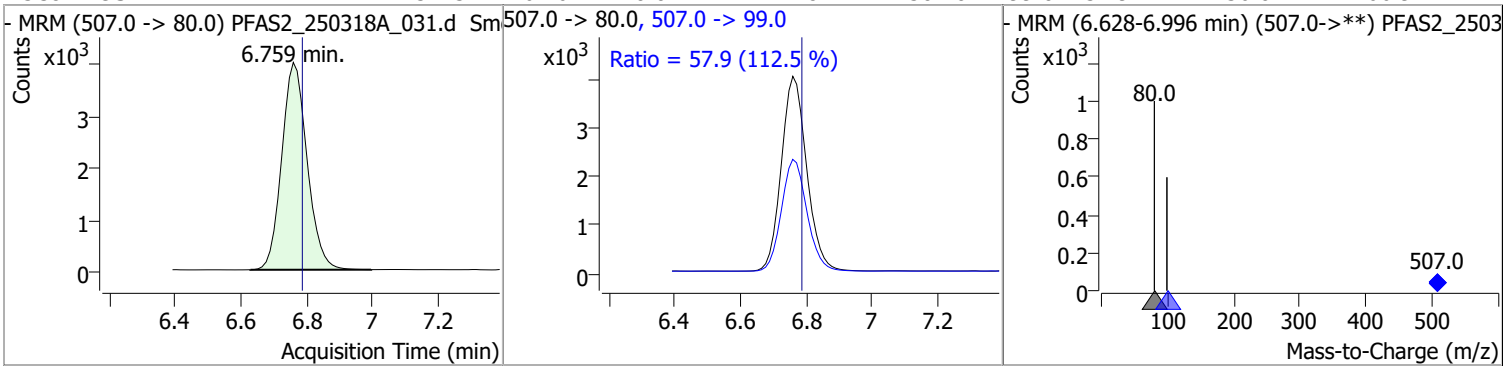
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.2543	6.73	-0.01	49345				



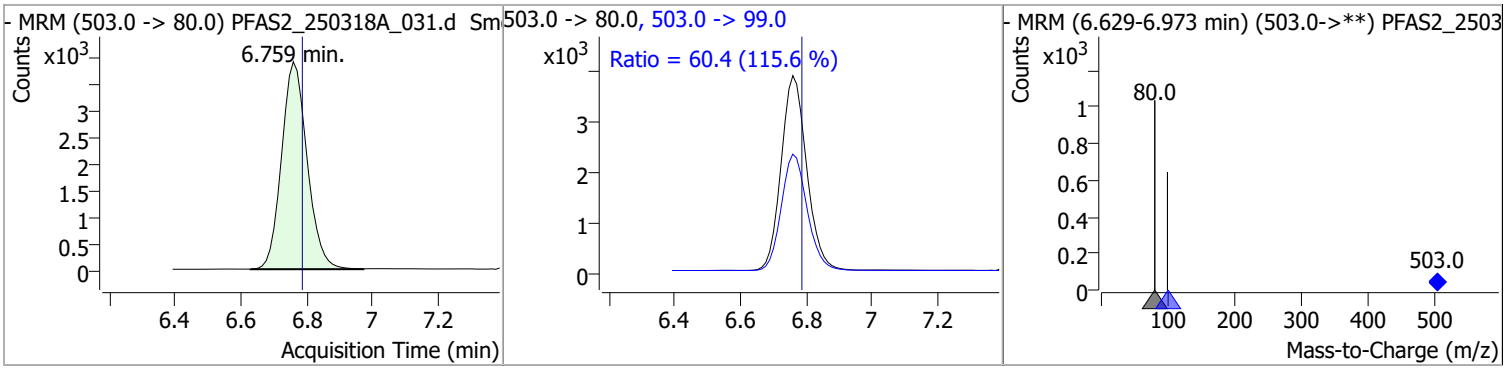
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0167	6.71	-0.04	74	570.0 -> 482.9		29.5	54.9



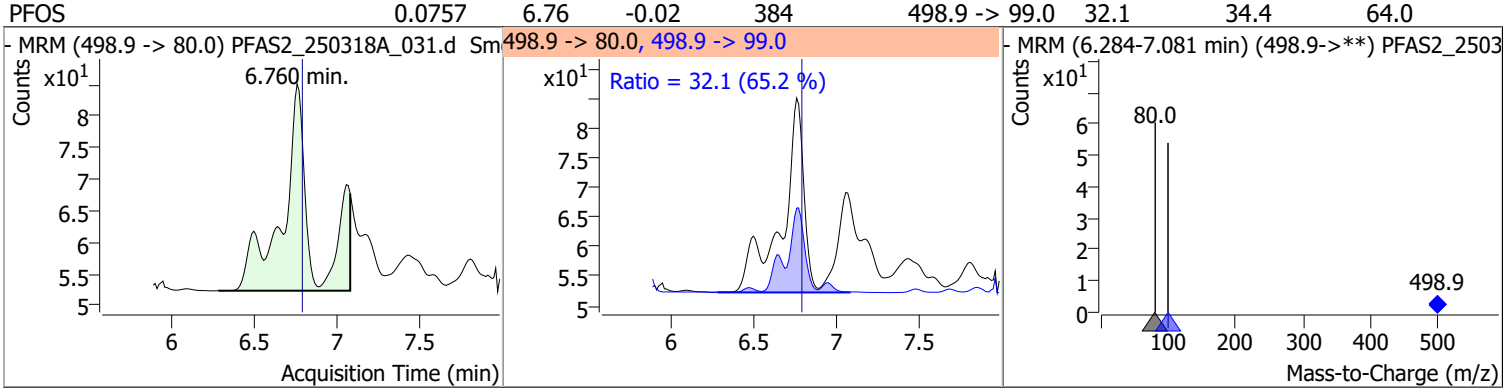
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5213	6.76	-0.02	21418	507.0 -> 99.0	57.9	36.0	66.9



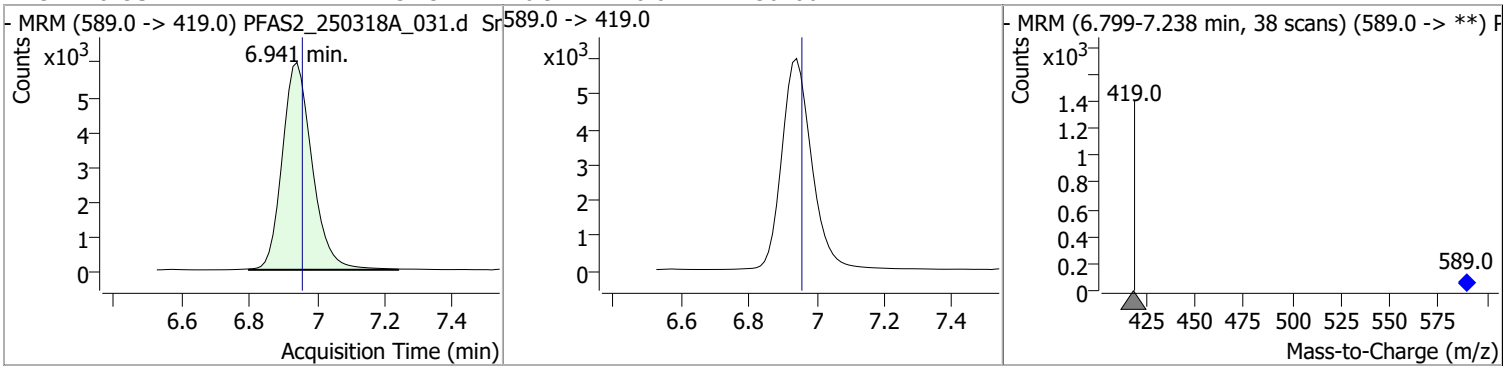
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	20930	503.0 -> 99.0	60.4	36.6	67.9



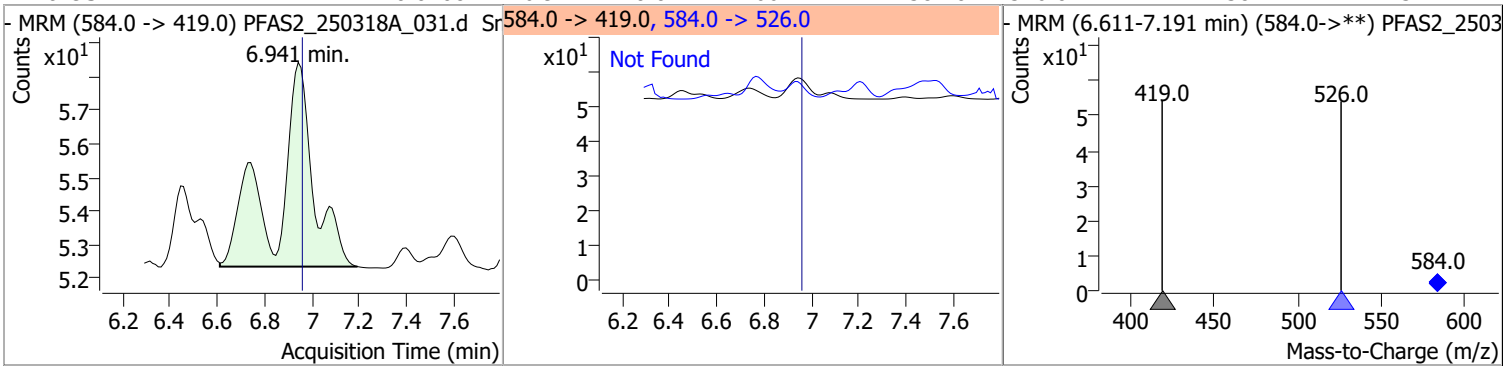
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0757	6.76	-0.02	384	498.9 -> 99.0	32.1	34.4	64.0



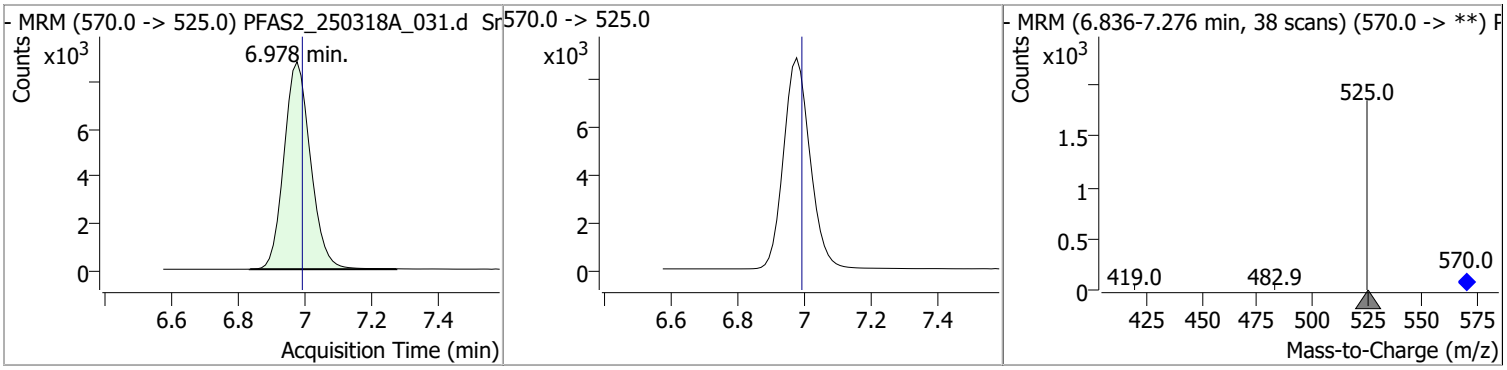
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1347	6.94	-0.01	36406				



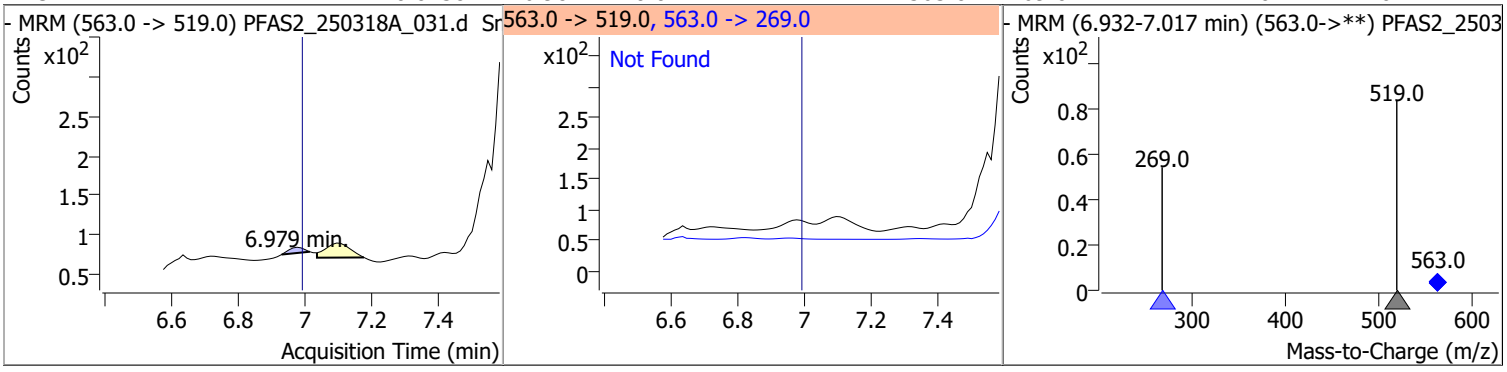
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0208	6.94	-0.01	66	584.0 -> 526.0		38.4	71.3



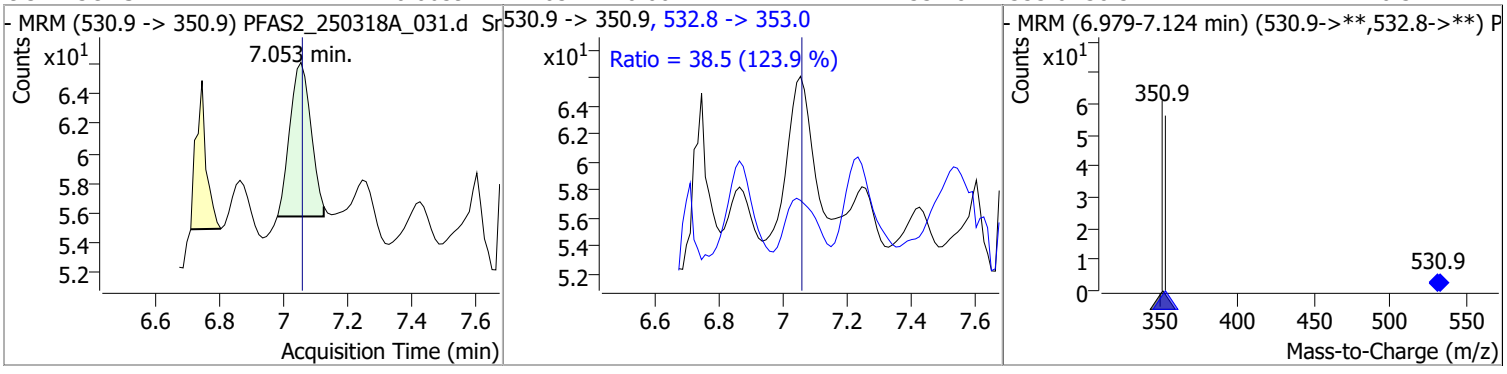
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3420	6.98	-0.01	48854				



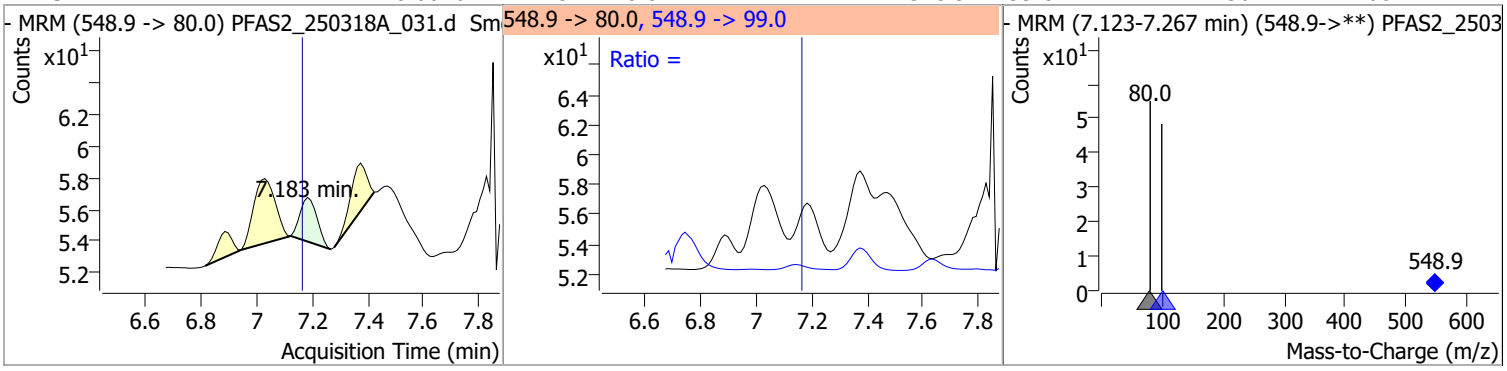
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0138	6.98	-0.01	22	563.0 -> 269.0		11.0	20.4



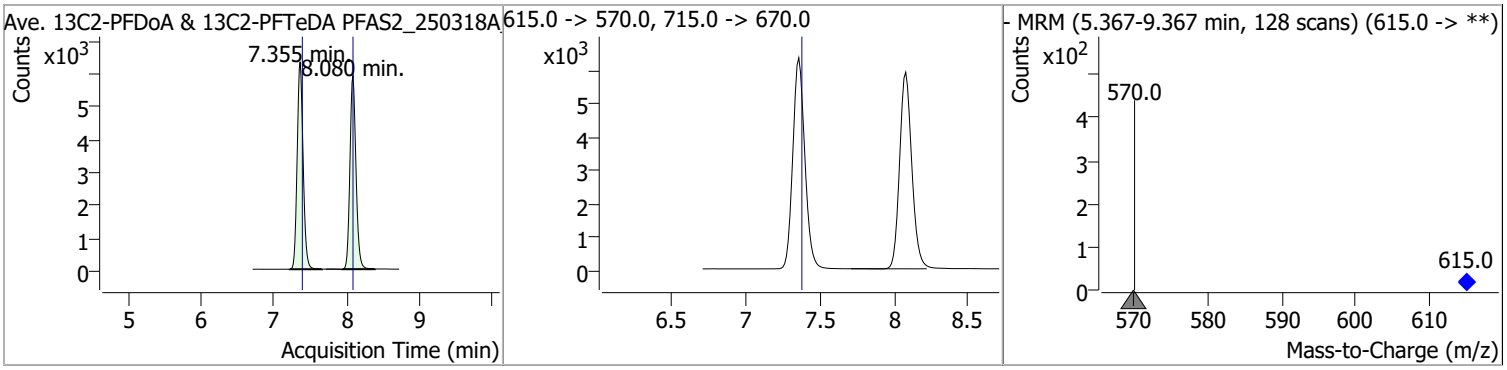
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0659	7.05	0.00	47	532.8 -> 353.0	38.5	21.7	40.3



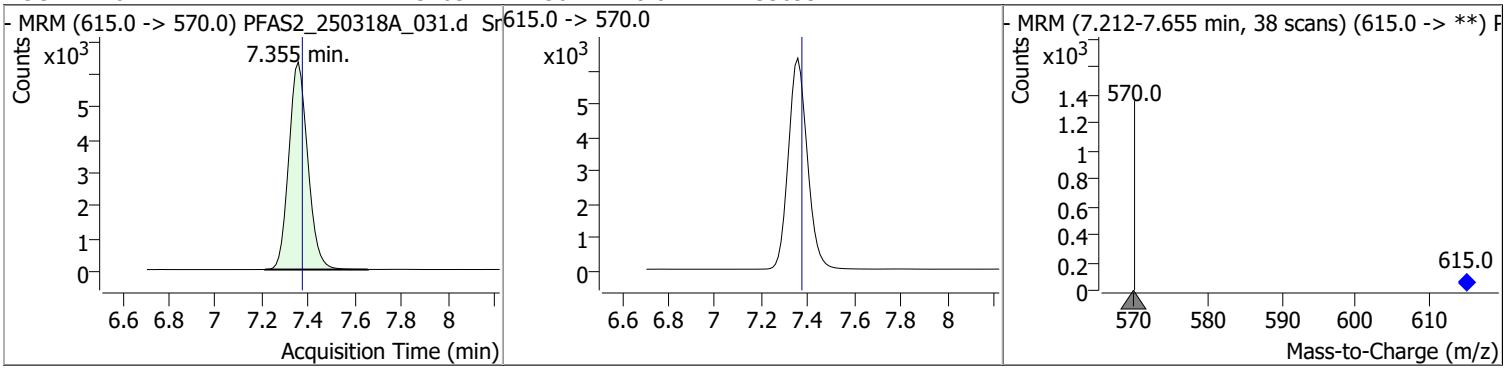
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0016	7.18	0.02	12	548.9 -> 99.0		36.7	68.1



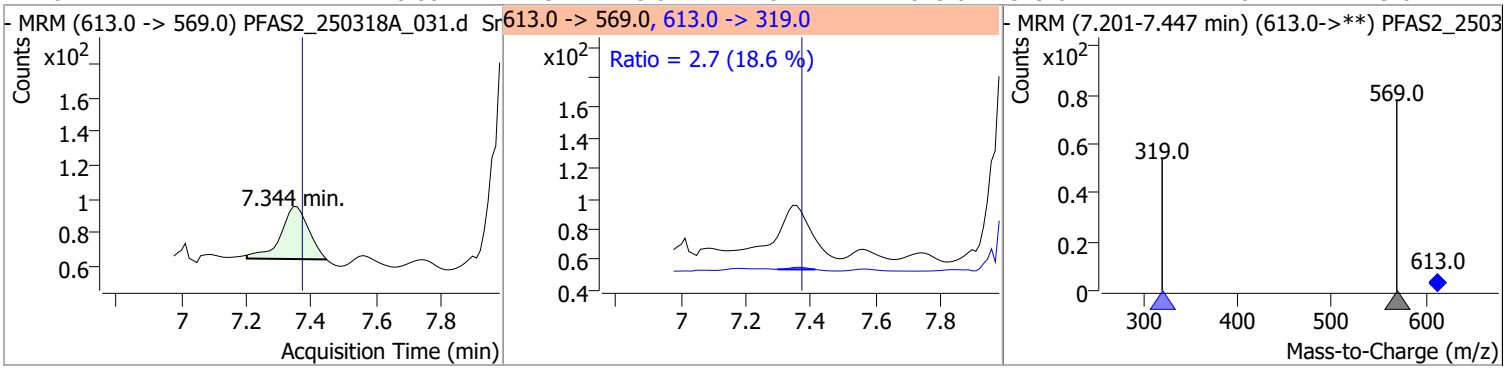
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1594	7.72	0.35	34787				



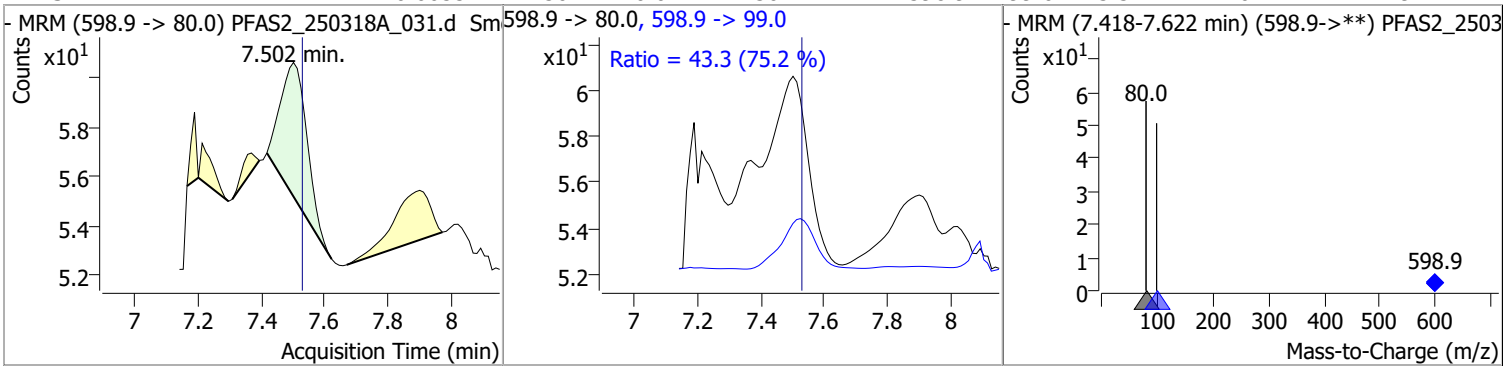
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3163	7.36	-0.01	35699				



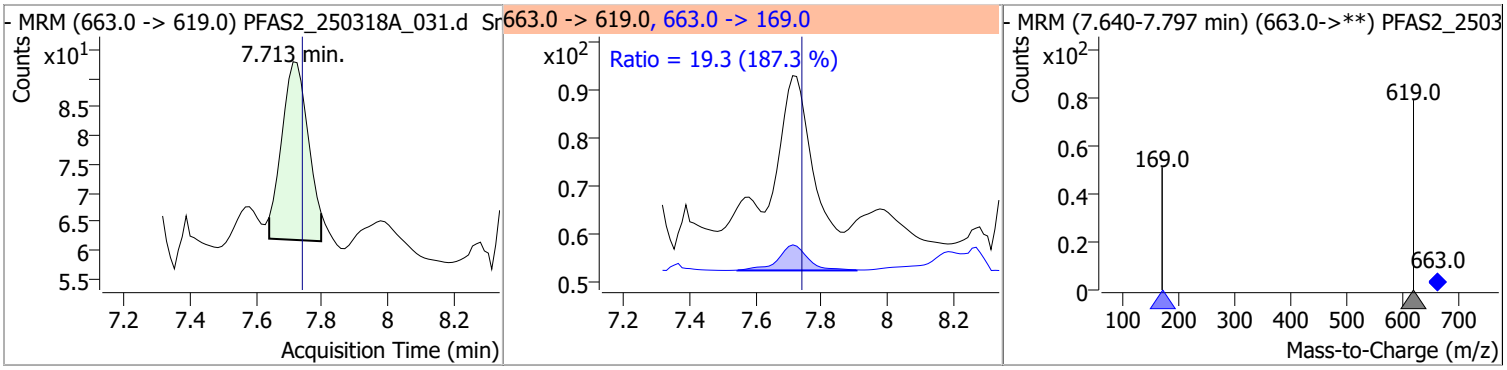
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0071	7.34	-0.02	187	613.0 -> 319.0	2.7	10.2	19.0



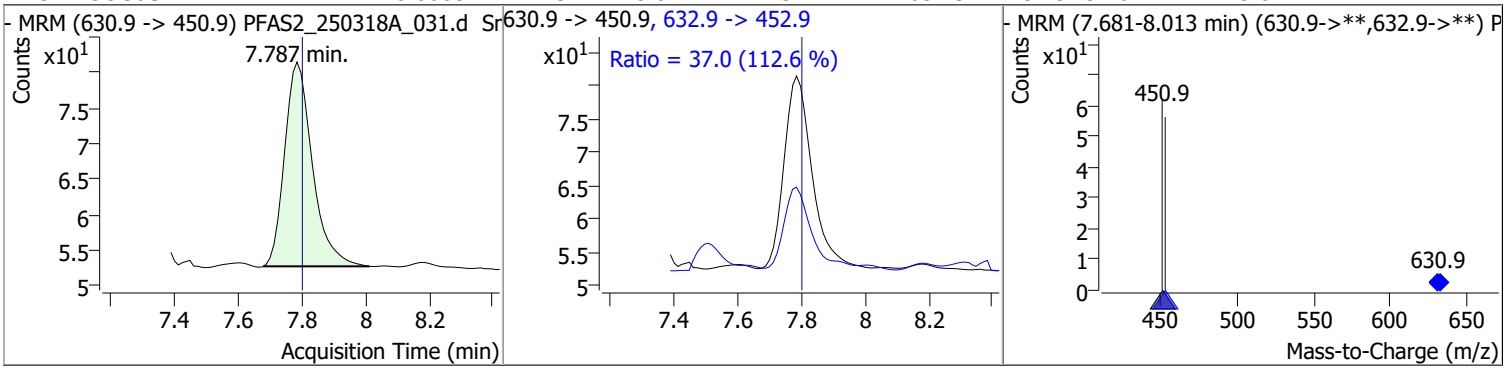
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0055	7.50	-0.02	30	598.9 -> 99.0	43.3	40.4	74.9



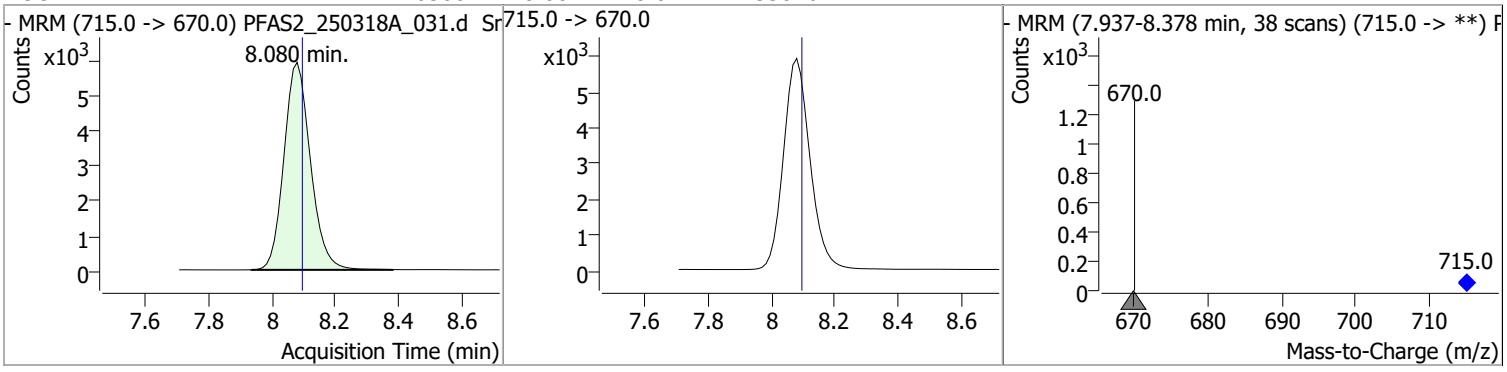
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0066	7.71	-0.02	173	663.0 -> 169.0	19.3	7.2	13.4



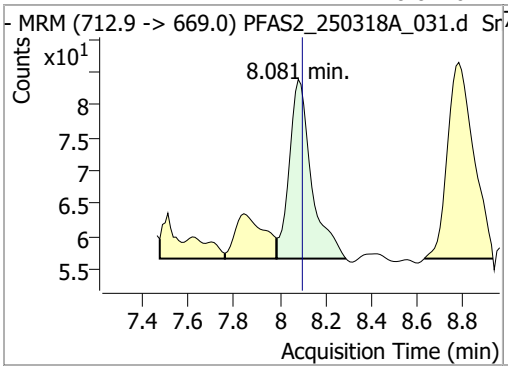
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0085	7.79	-0.01	173	632.9 -> 452.9	37.0	23.0	42.7

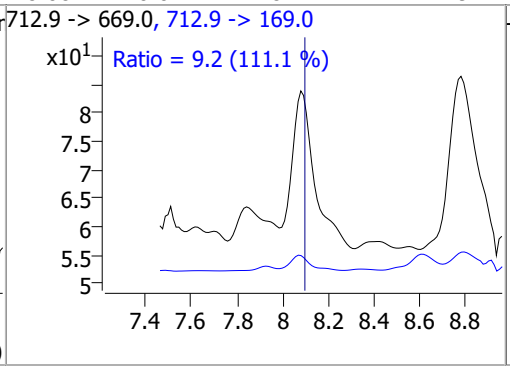


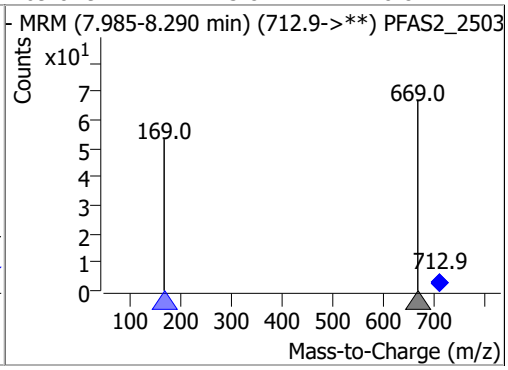
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.0300	8.08	-0.01	33876				



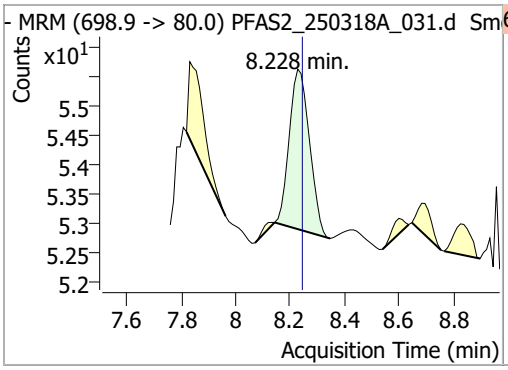
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0146	8.08	-0.01	184	712.9 -> 169.0	9.2	5.8	10.8

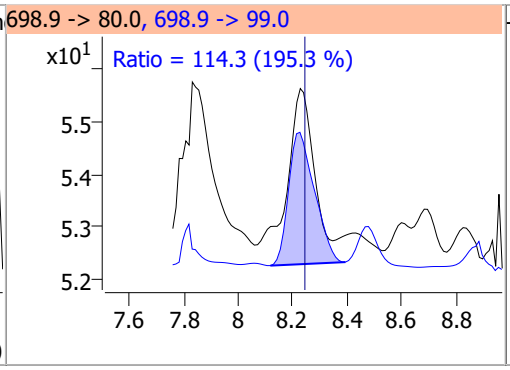


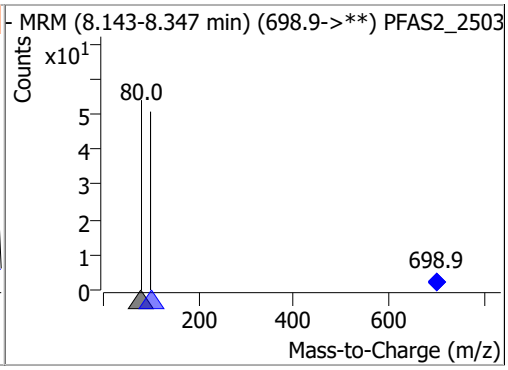




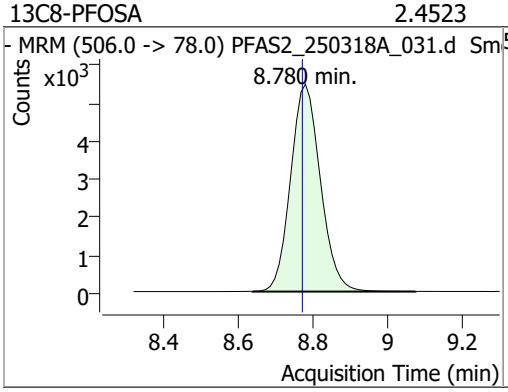
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0037	8.23	-0.01	14	698.9 -> 99.0	114.3	41.0	76.1

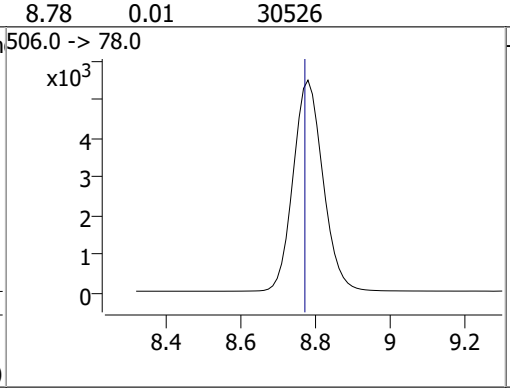


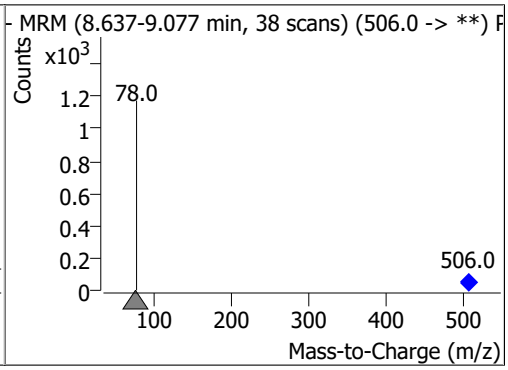




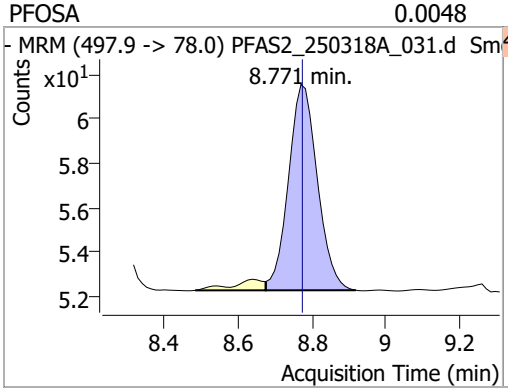
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4523	8.78	0.01	30526				

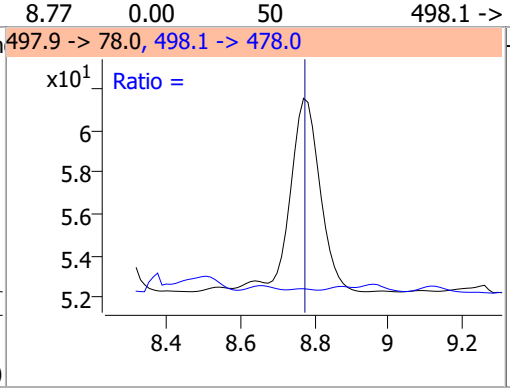


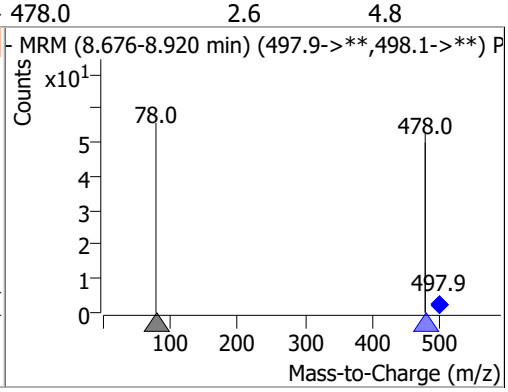




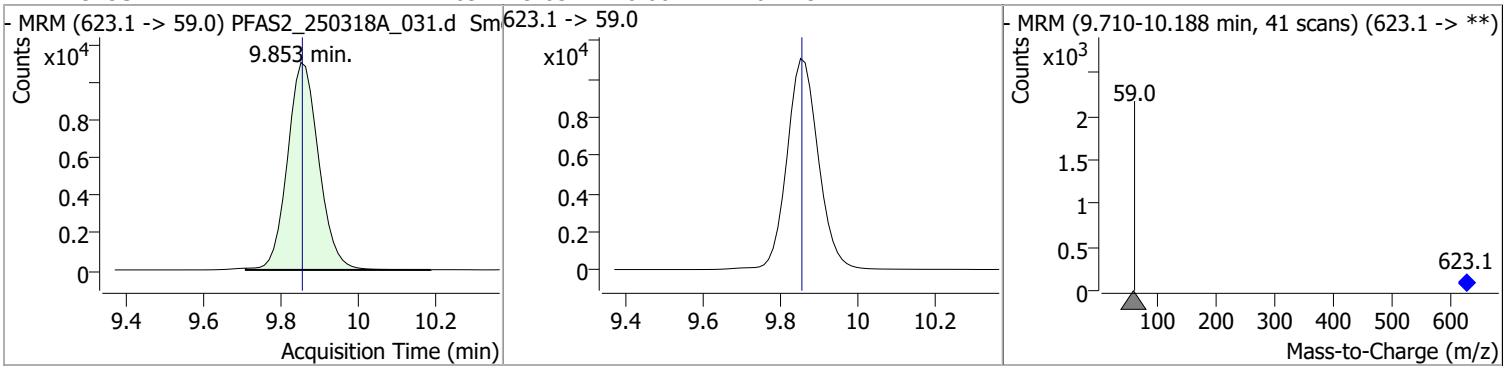
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0048	8.77	0.00	50	498.1 -> 478.0		2.6	4.8



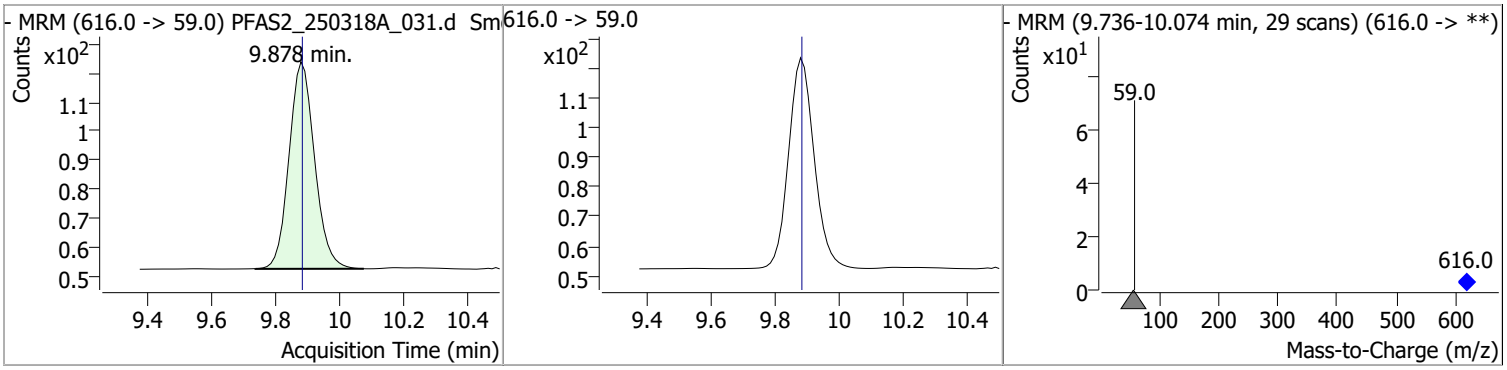




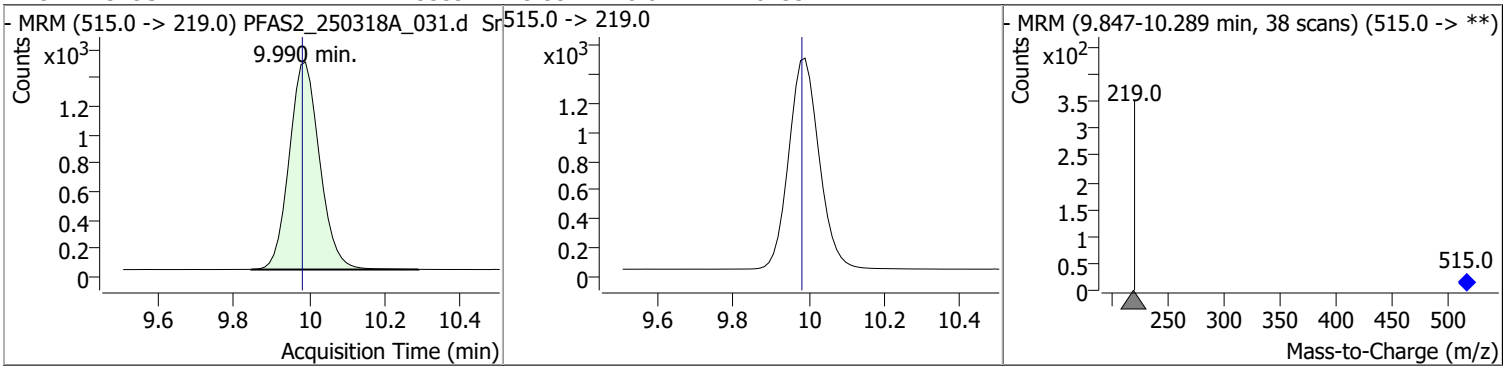
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.7209	9.85	0.00	62119				



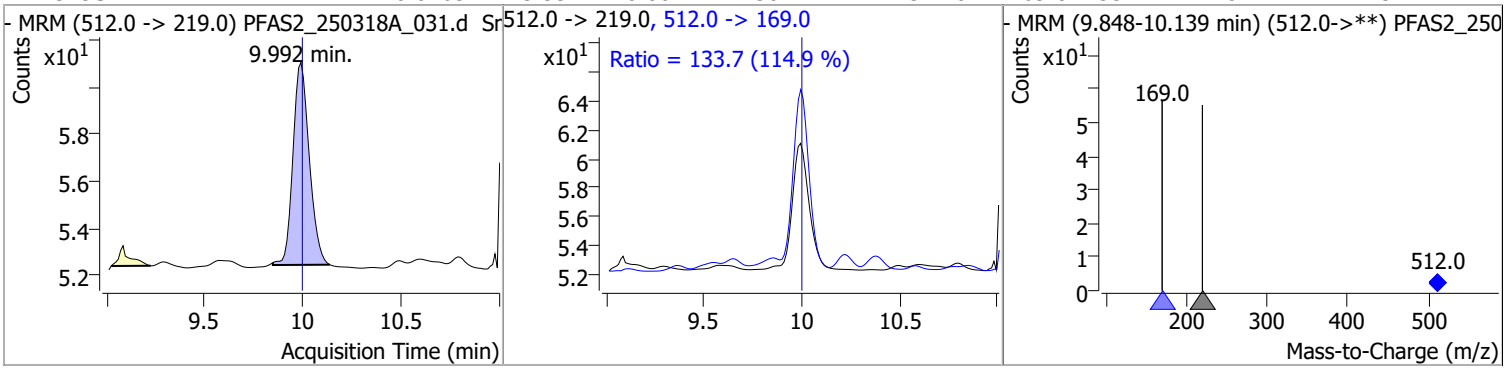
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1656	9.88	0.00	397				



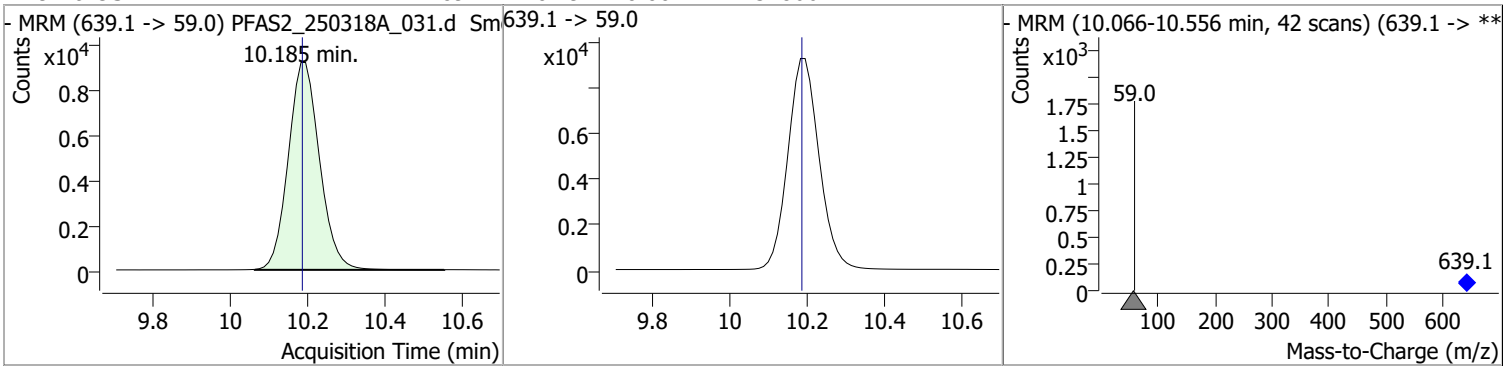
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3339	9.99	0.01	8153				



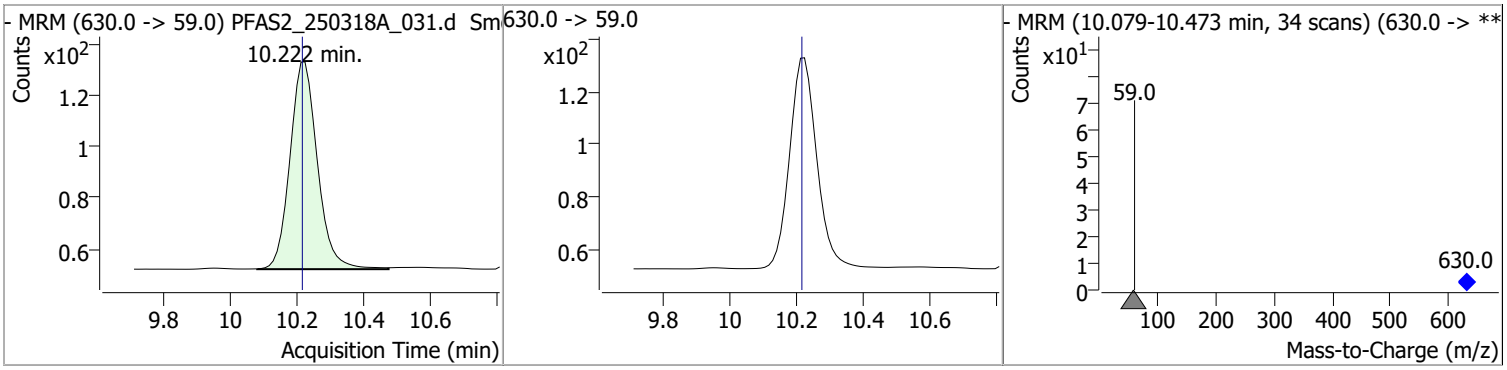
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0163	9.99	0.00	50	512.0 -> 169.0	133.7	81.4	151.2



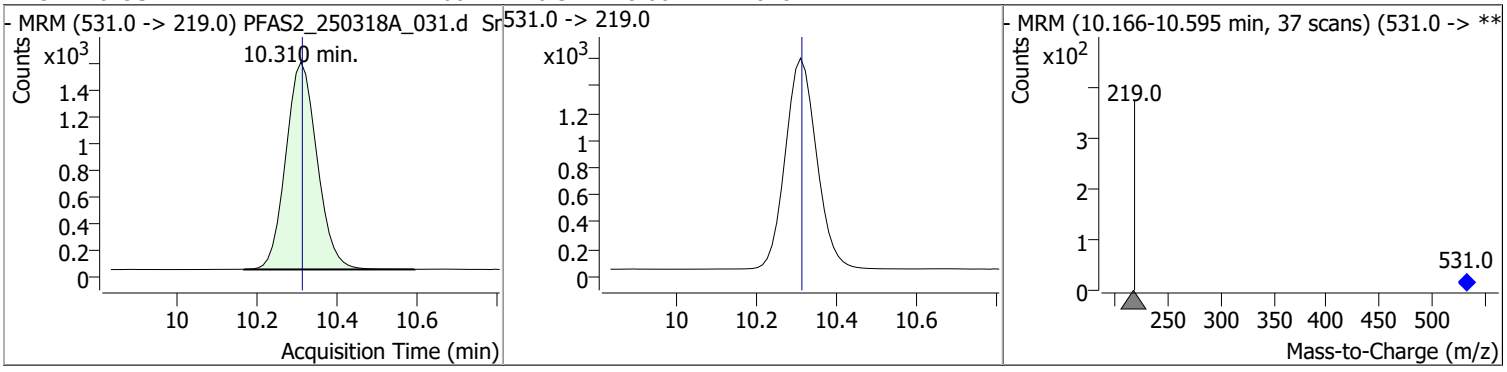
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2892	10.19	0.00	51866				



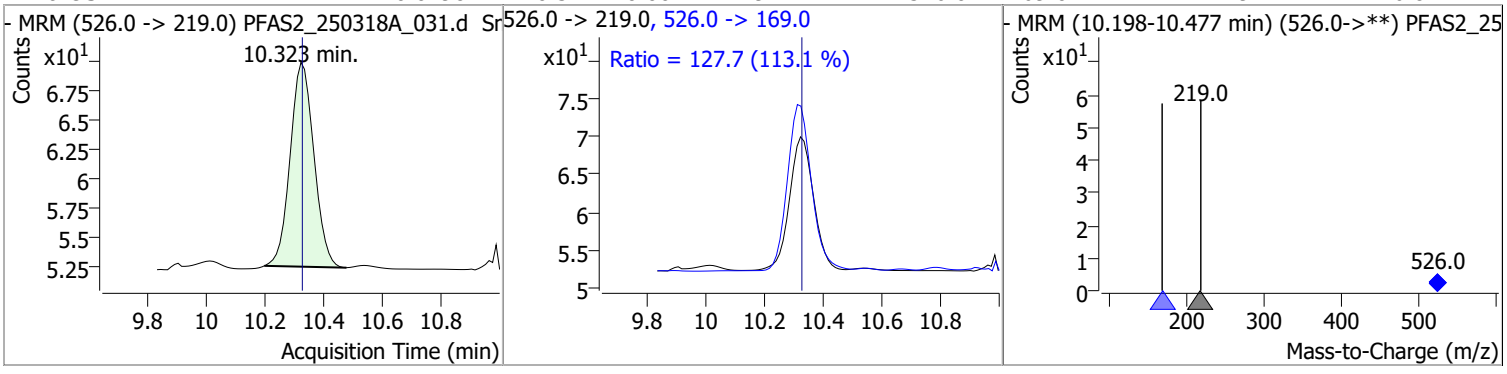
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.2574	10.22	0.01	462				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2460	10.31	0.00	8484				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0298	10.32	0.00	97	526.0 -> 169.0	127.7	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW29C-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-08	File ID:	PFAS2_250318A_032.d
Sampled:	03/11/25 17:45	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:15
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	510.8985 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	3.00	0.47	3.13	6.26	J
2706-90-3	PFPeA		0.14	1.57	3.13	U
307-24-4	PFHxA	0.88	0.13	0.78	1.57	J
375-85-9	PFHpA	0.33	0.16	0.78	1.57	J
335-67-1	PFOA	0.53	0.12	0.78	1.57	J
375-95-1	PFNA		0.09	0.78	1.57	U
335-76-2	PFDA		0.13	0.78	1.57	U
2058-94-8	PFUnA		0.19	0.78	1.57	U
307-55-1	PFDoA		0.11	0.78	1.57	U
72629-94-8	PFTrDA		0.07	0.78	1.57	U
376-06-7	PFTeDA		0.12	0.78	1.57	U
375-73-5	PFBS	1.03	0.19	0.69	1.39	J
2706-91-4	PFPeS	0.41	0.21	0.74	1.48	J
355-46-4	PFHxS	2.68	0.23	0.71	1.43	
375-92-8	PFHpS		0.40	0.74	1.49	U
1763-23-1	PFOS	0.75	0.22	0.91	1.82	J
68259-12-1	PFNS		0.20	0.75	1.51	U
335-77-3	PFDS		0.14	0.75	1.51	U
79780-39-5	PFDoS		0.08	0.76	1.52	U
757124-72-4	4:2FTS		0.40	2.94	5.87	U
27619-97-2	6:2FTS		2.71	2.98	5.95	U
39108-34-4	8:2FTS		0.60	3.00	6.01	U
754-91-6	PFOSA		0.10	0.78	1.57	U
31506-32-8	NMeFOSA		0.25	0.78	1.57	U
4151-50-2	NEtFOSA		0.30	0.78	1.57	U
2355-31-9	NMeFOSAA		0.43	0.78	1.57	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW29C-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-08	File ID:	PFAS2_250318A_032.d
Sampled:	03/11/25 17:45	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:15
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	510.8985 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.57	U
24448-09-7	NMeFOSE		0.99	7.83	15.7	U
1691-99-2	NEtFOSE		1.23	7.83	15.7	U
13252-13-6	HFPO-DA		0.40	1.57	3.13	U
919005-14-4	ADONA		0.15	1.48	2.96	U
756426-58-1	9CL-PF3ONS		0.18	1.46	2.93	U
763051-92-9	11CL-PF3OUdS		0.30	1.48	2.96	U
356-02-5	3:3FTCA		0.65	3.13	6.26	U
914637-49-3	5:3FTCA		3.58	15.7	31.3	U
812-70-4	7:3FTCA		2.99	15.7	31.3	U
113507-82-7	PFEESA		0.17	1.39	2.79	U
377-73-1	PFMPA		0.11	1.57	3.13	U
863090-89-5	PFMBA		0.12	1.57	3.13	U
151772-58-6	NFDHA		0.44	1.57	3.13	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_032.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:15:03 AM
Sample Name	O25C0550-08	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

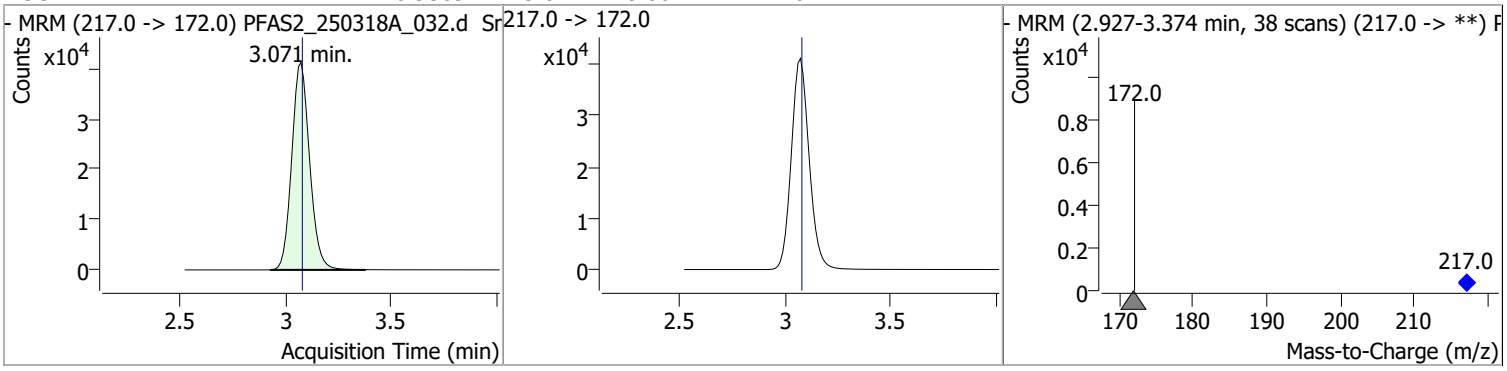
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	118812	5.0000	µg/L		-13.176
13C2-PFHxA	4.890	315.0 -> 270.0	133679	2.5000	µg/L		-12.870
18O2-PFHxS	5.955	403.0 -> 84.0	25560	2.5000	µg/L		-13.736
13C4-PFOA	5.823	417.0 -> 172.0	13945	2.5000	µg/L		-9.726
13C5-PFNA	6.226	468.0 -> 423.0	68055	1.2500	µg/L		-4.381
13C2-PFDA	6.603	515.0 -> 470.0	62331	1.2500	µg/L		-6.797
13C4-PFOS	6.771	503.0 -> 80.0	21973	2.5000	µg/L		-11.786
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	241672	10.0000	µg/L		-22.250
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 89.51%			
13C5-PFPeA	4.222	268.0 -> 223.0	178595	5.0000	µg/L		-13.688
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	178595	5.0000	µg/L		-13.688
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.07%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28524	5.0000	µg/L		12.901
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.41%			
13C5-PFHxA	4.889	318.0 -> 273.0	136685	2.5000	µg/L		-19.047
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	136685	2.5000	µg/L		-19.047
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.89%			
13C3-PFBS	4.929	302.0 -> 80.0	48634	2.5000	µg/L		-19.908
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	152149	10.0000	µg/L		-12.944
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.91%			
13C4-PFHpA	5.397	367.0 -> 322.0	168075	2.5000	µg/L		-11.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.956	402.0 -> 80.0	28355	2.5000	µg/L		-18.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.08%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15643	5.0000	µg/L	#	5.918
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.92%			
13C8-PFOA	5.823	421.0 -> 376.0	155083	2.5000	µg/L		-10.222
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.47%			
13C3-PFHxS	5.956	402.0 -> 80.0	28355	2.5000	µg/L		-18.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.08%			
13C9-PFNA	6.225	472.0 -> 427.0	65518	1.2500	µg/L		-7.020
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.20%			
13C8-PFOS	6.771	507.0 -> 80.0	20211	2.5000	µg/L		-20.062
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.65%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10861	5.0000	µg/L	#	-8.311
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.15%			
13C6-PFDA	6.603	519.0 -> 474.0	61098	1.2500	µg/L		-10.097
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.37%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46632	5.0000	µg/L		-16.459
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.59%			
13C8-PFOS	6.771	507.0 -> 80.0	20211	2.5000	µg/L		-20.062

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.65%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36112	5.0000	µg/L		-14.365
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.03%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49525	1.2500	µg/L		-7.608
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.12%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	33088	1.2500	µg/L		-24.996
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.34%			
13C2-PFDoDA	7.355	615.0 -> 570.0	36204	1.2500	µg/L		-9.366
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.25%			
13C2-PFTDA	8.080	715.0 -> 670.0	29972	1.2500	µg/L		-37.926
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.40%			
13C8-PFOSA	8.780	506.0 -> 78.0	29959	2.5000	µg/L		-18.945
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.70%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60295	25.0000	µg/L		-52.011
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 54.44%			
2H3-N-MeFOSA	9.979	515.0 -> 219.0	7829	2.5000	µg/L		-24.494
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.39%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50244	25.0000	µg/L		-20.887
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.65%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8366	2.5000	µg/L		-25.566
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.39%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	4782	0.3065	µg/L		100
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.742	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.674	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.716	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	4408	0.0901	µg/L		97
PFBS	4.930	298.9 -> 80.0	2124	0.1052	µg/L		88
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	776	0.0332	µg/L		97
5-3 FTCA	5.458	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	639	0.0418	µg/L		87
DONA	5.539	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	519	0.1568	µg/L		85
PFOA	5.824	413.0 -> 369.0	1082	0.0539	µg/L		96
PFHxS	5.957	398.9 -> 80.0	3021	0.2739	µg/L		96
PFNA	6.214	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.215	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.203	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.742	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	370	0.0766	µg/L	#	78
N-EtFOSAA	6.894	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	6.993	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.040	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.356	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.513	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.989	663.0 -> 619.0	0	0.0000	µg/L	md	

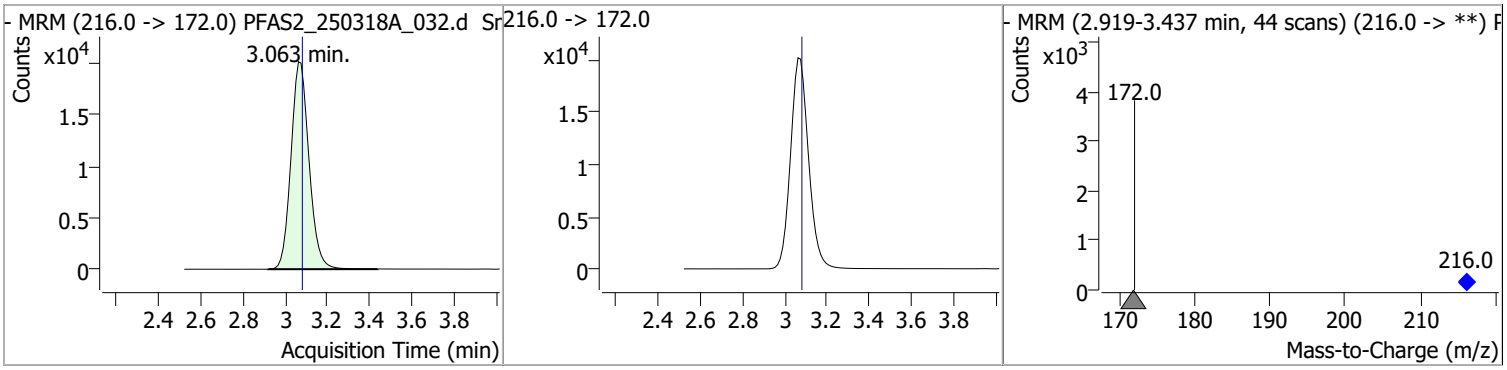
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.775	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.240	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	48	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	46	0.0347	µg/L		100
N-EtFOSA	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

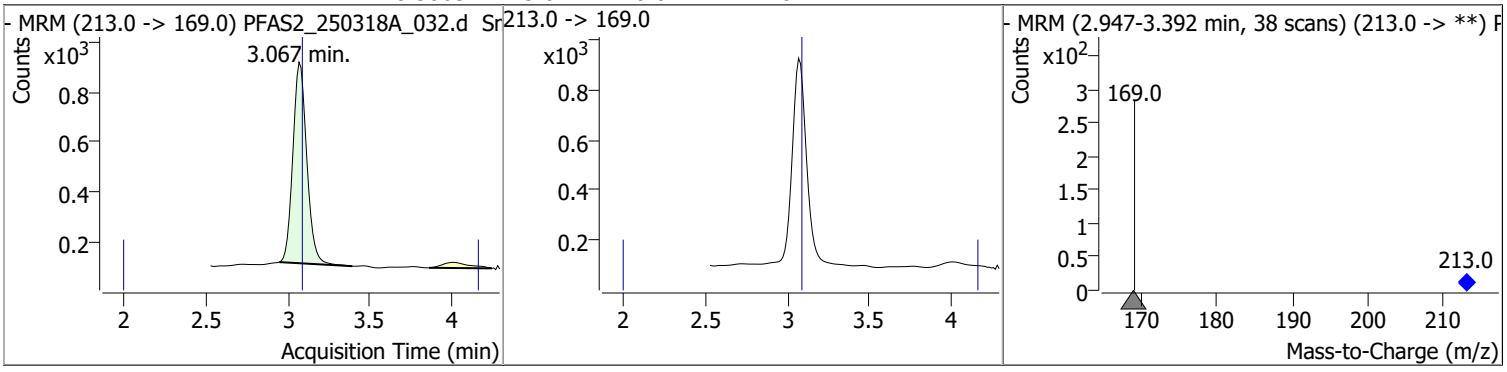
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.9509	3.07	0.00	241672				



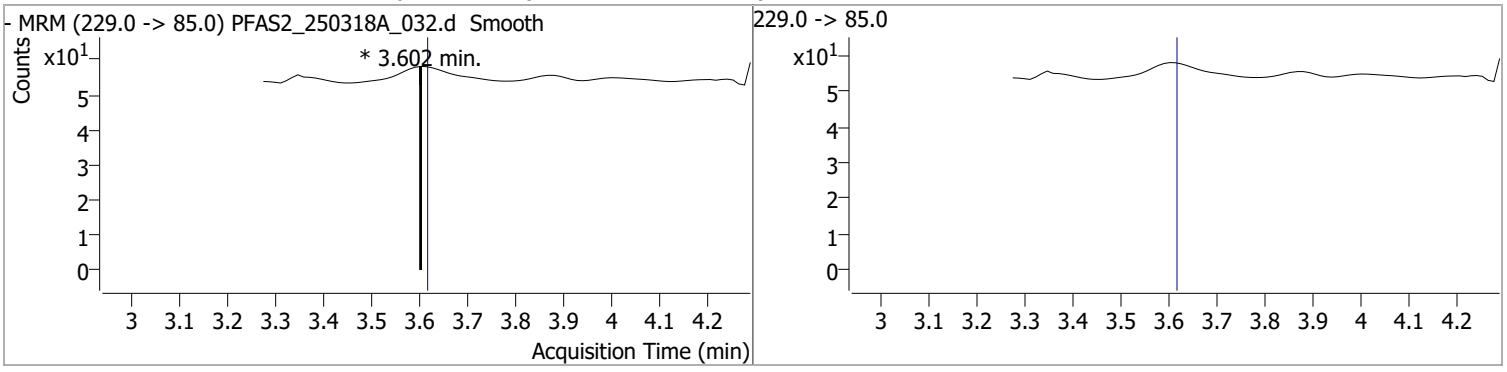
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	118812				



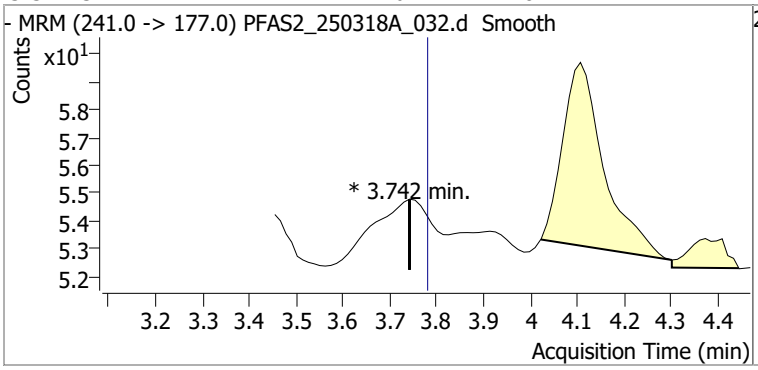
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.3065	3.07	-0.01	4782				

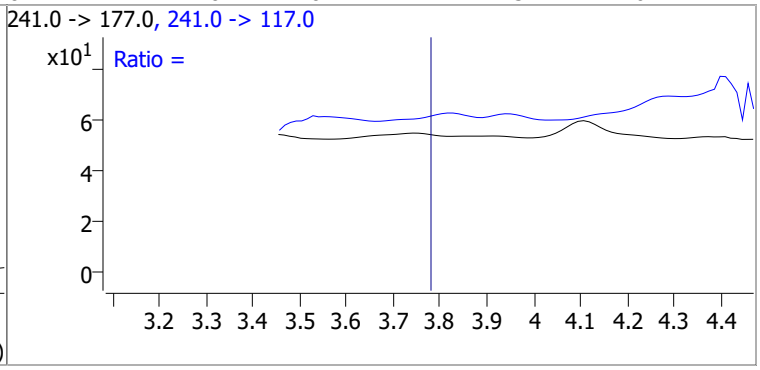


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

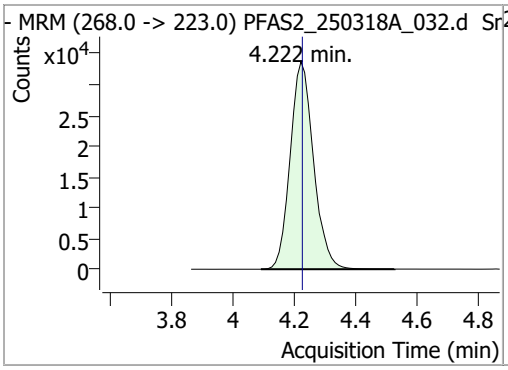


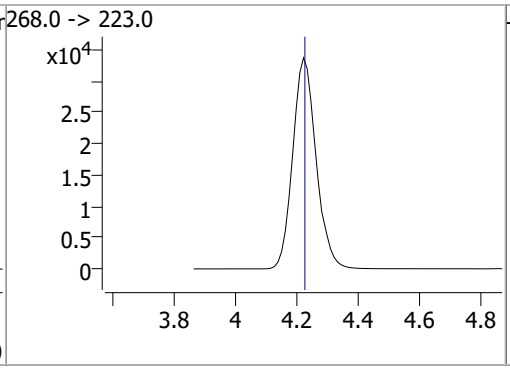
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

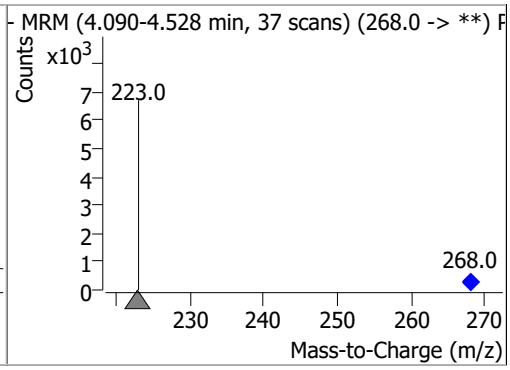




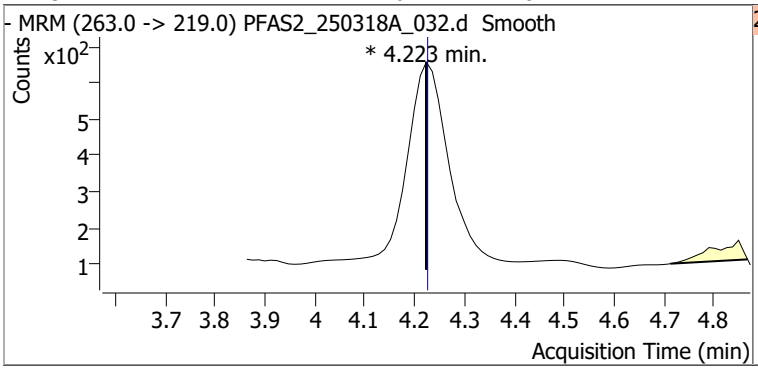
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9533	4.22	0.00	178595				

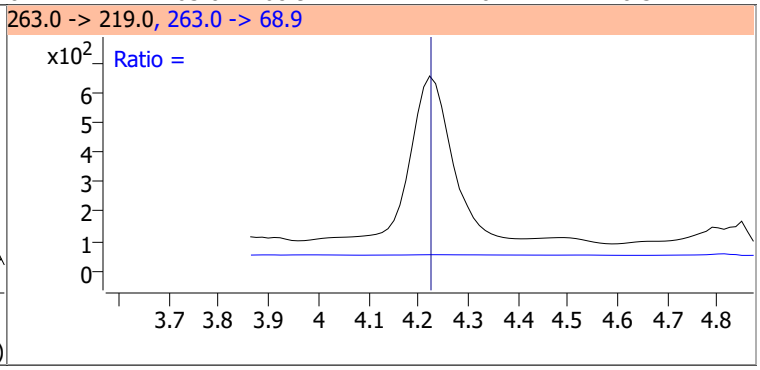




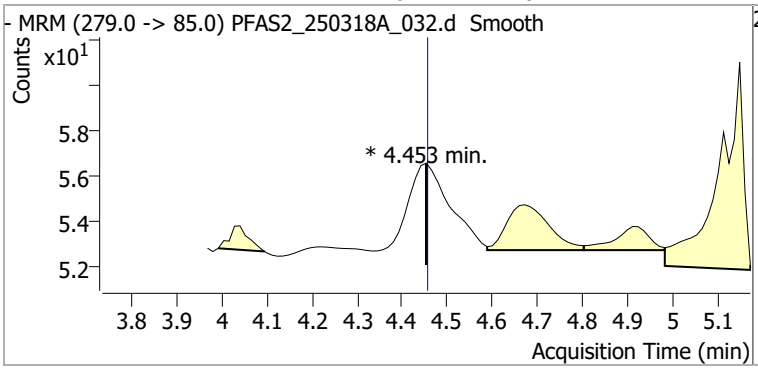


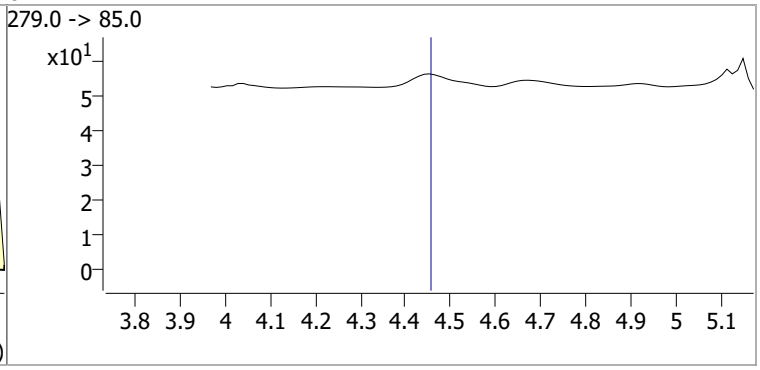
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



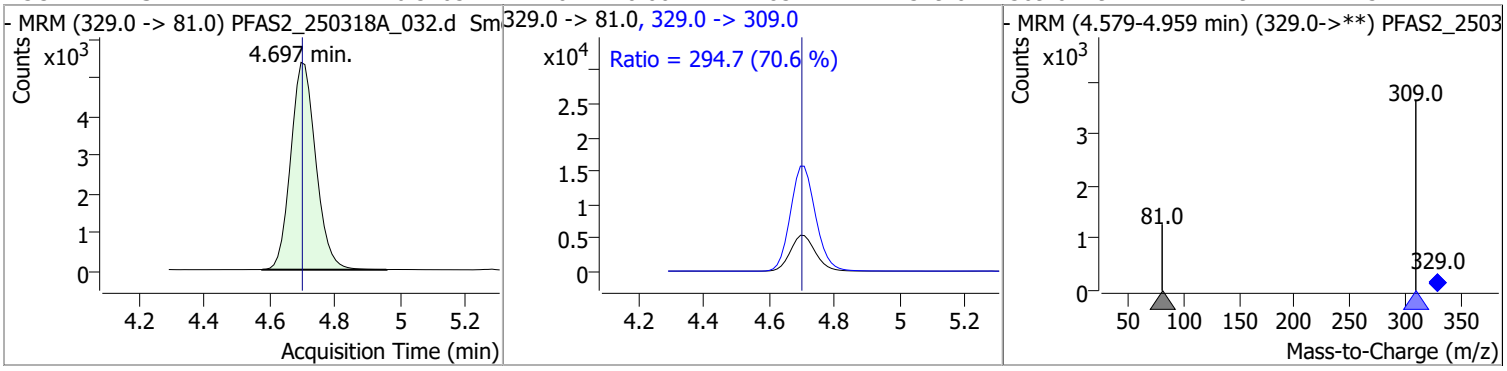


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

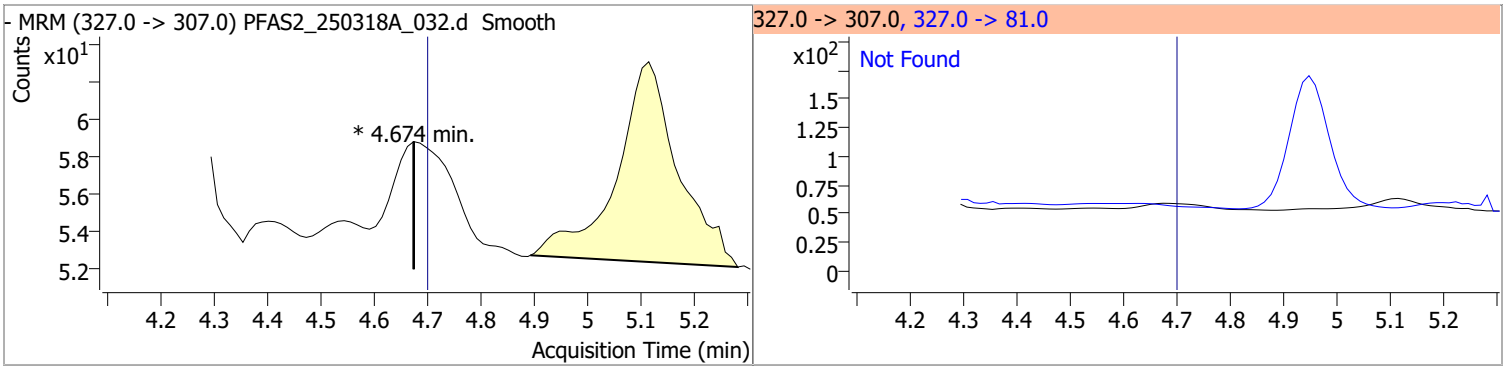




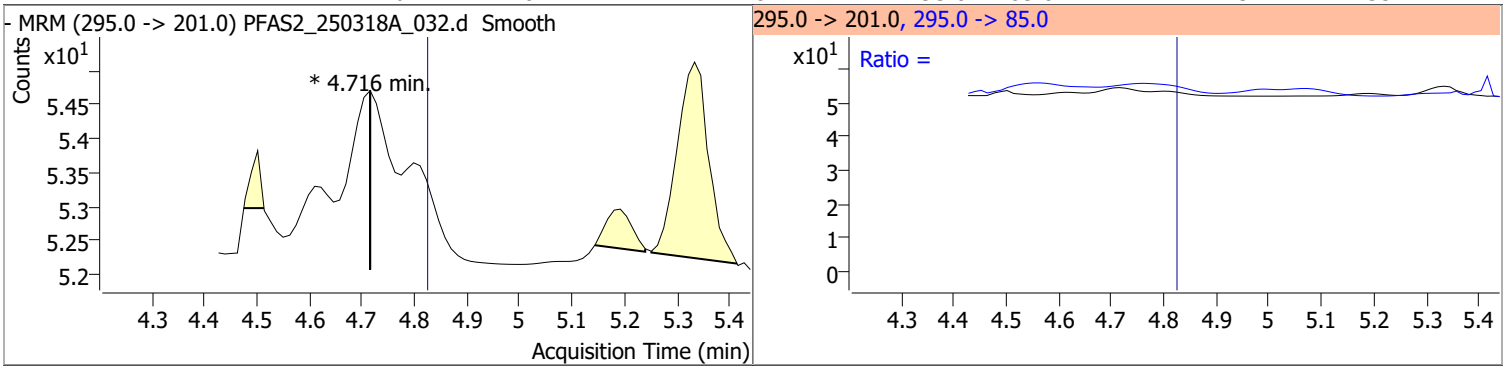
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5705	4.70	0.00	28524	329.0 -> 309.0	294.7	292.1	542.4



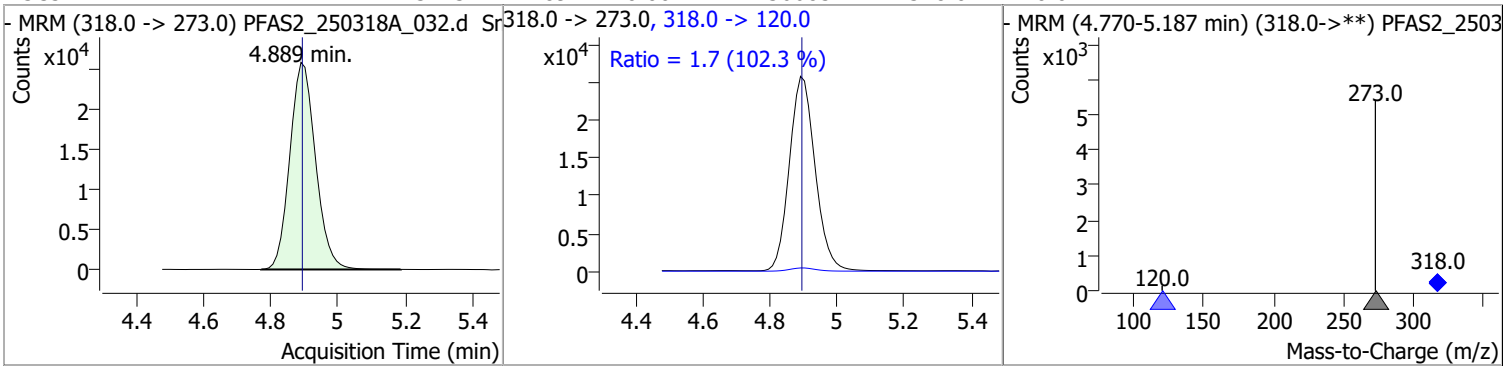
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



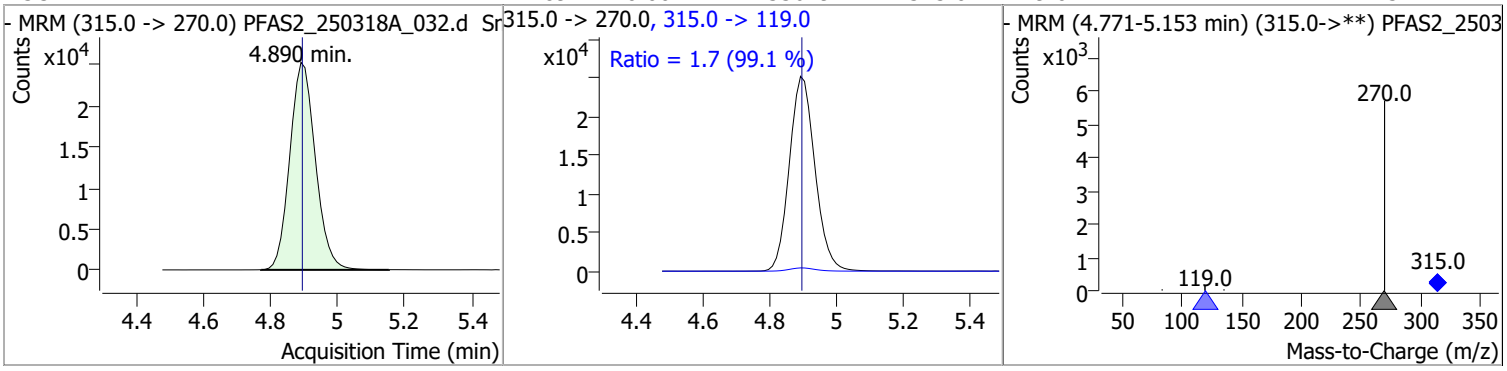
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



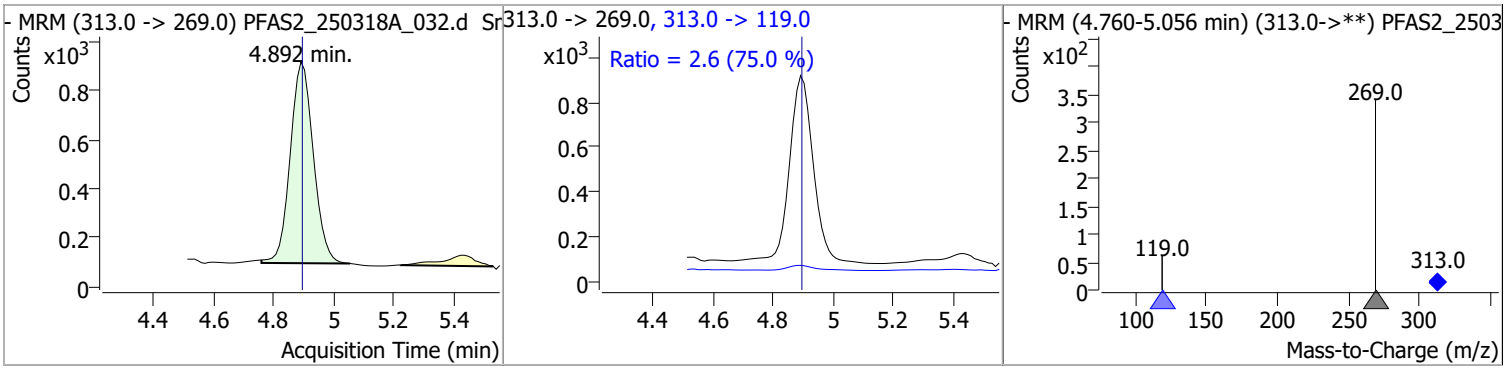
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3223	4.89	0.00	136685	318.0 -> 120.0	1.7	1.1	2.1



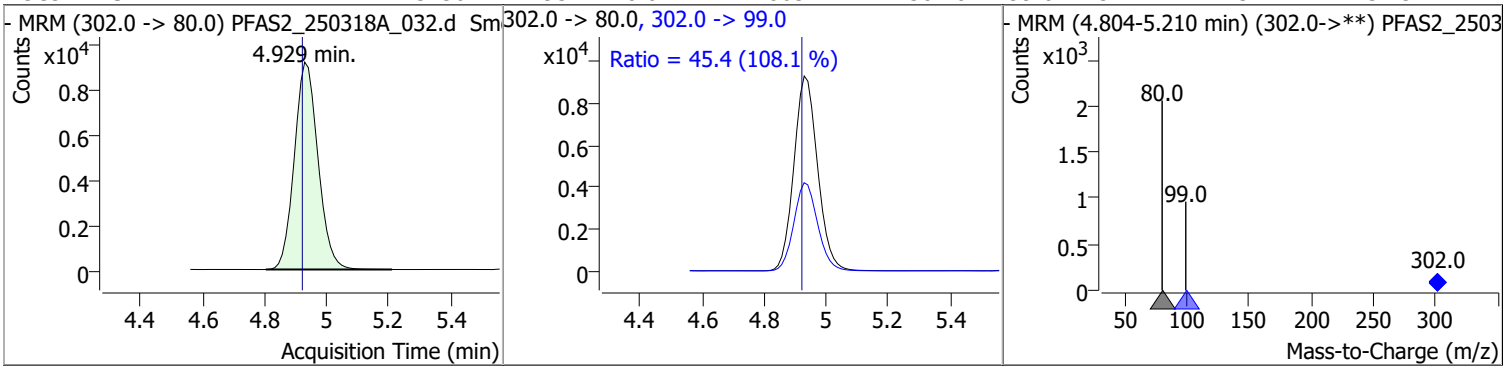
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	133679	315.0 -> 119.0	1.7	1.2	2.3



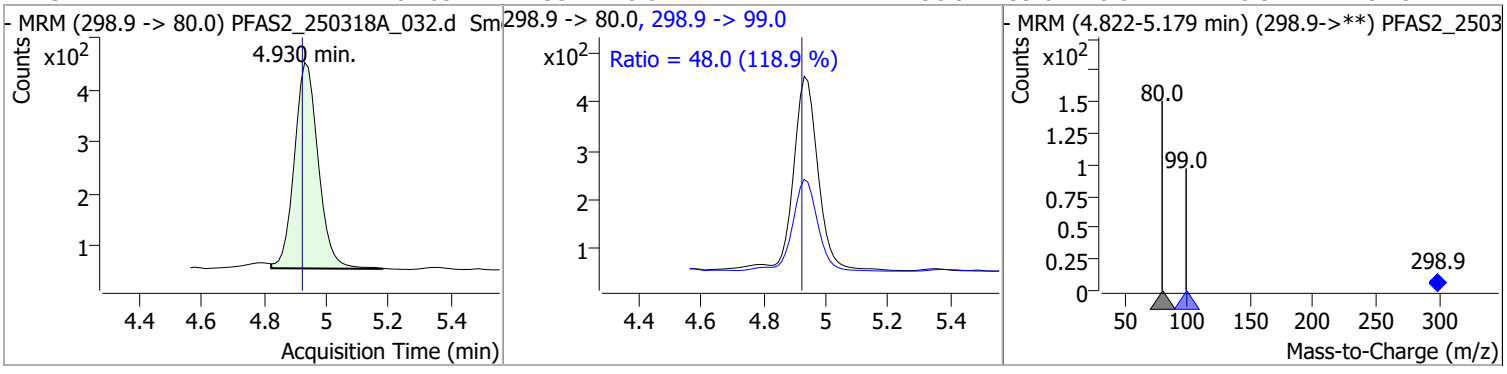
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0901	4.89	0.00	4408	313.0 -> 119.0	2.6	2.4	4.5



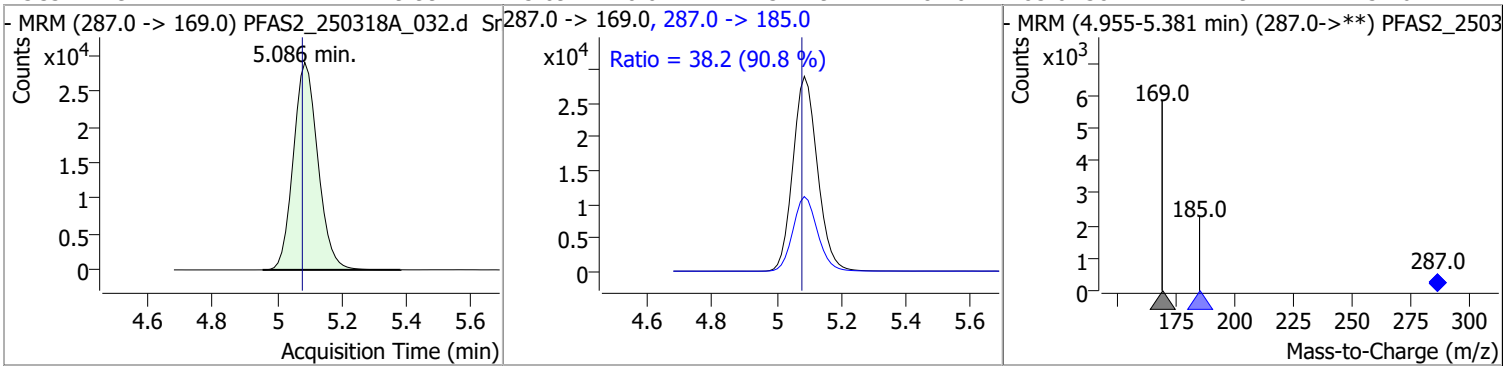
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3236	4.93	0.01	48634	302.0 -> 99.0	45.4	29.4	54.5



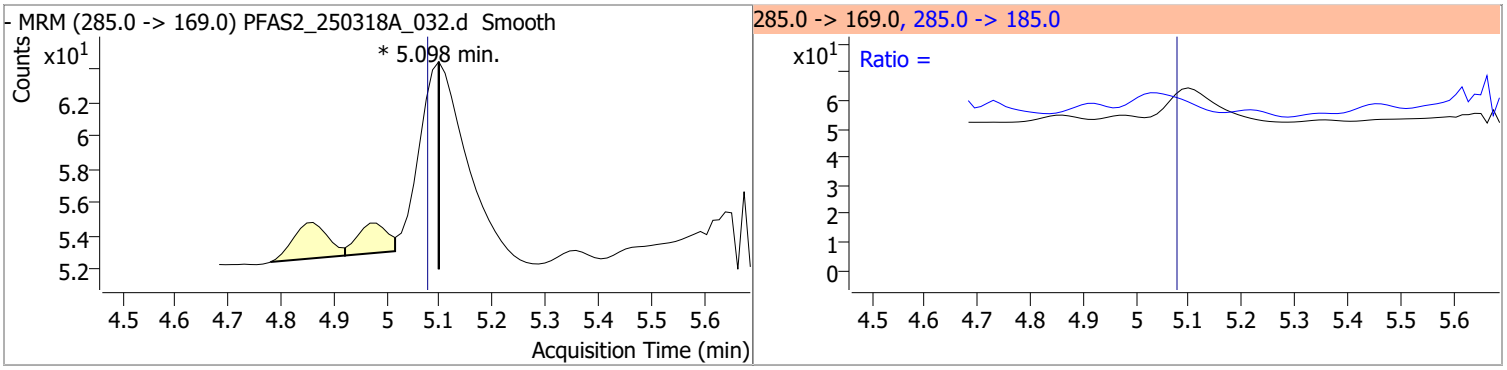
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1052	4.93	0.01	2124	298.9 -> 99.0	48.0	28.3	52.5



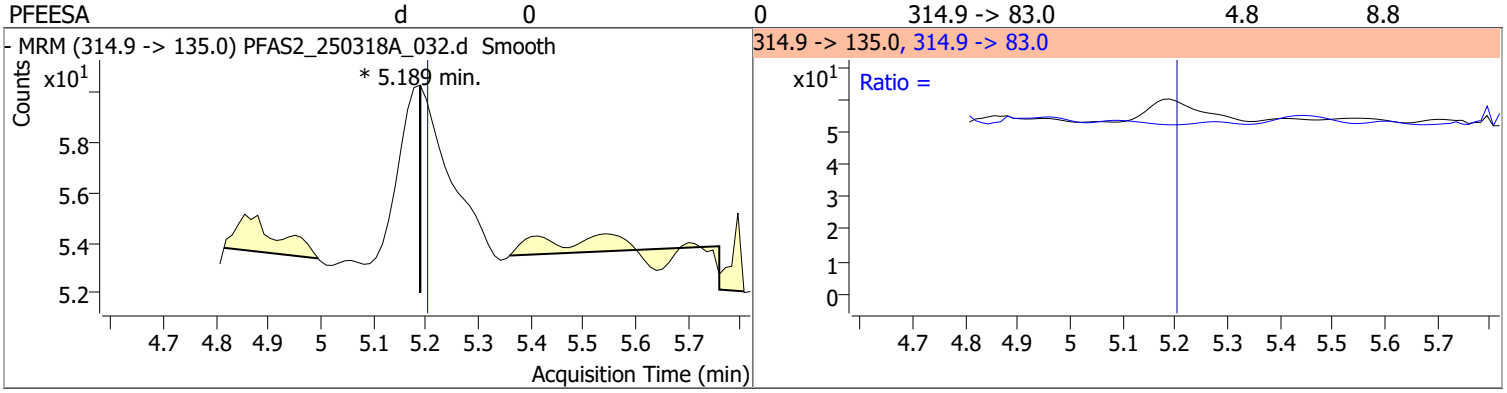
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9911	5.09	0.01	152149	287.0 -> 185.0	38.2	29.4	54.6



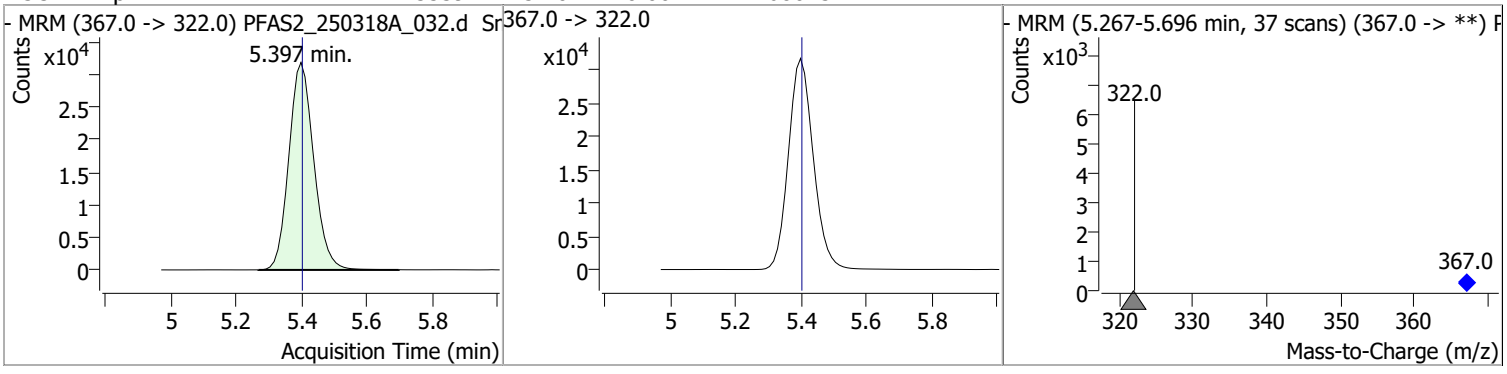
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



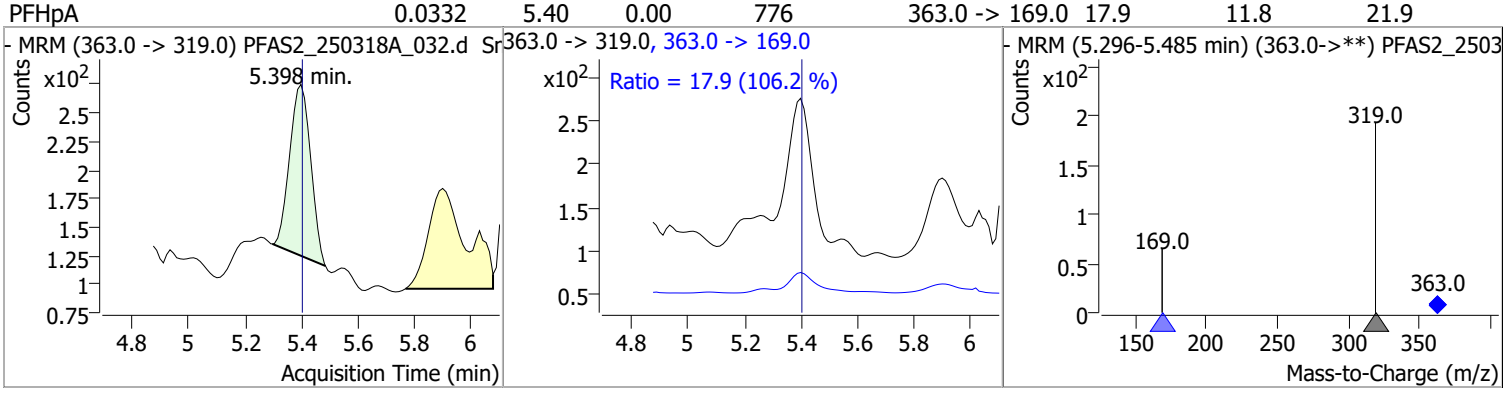
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



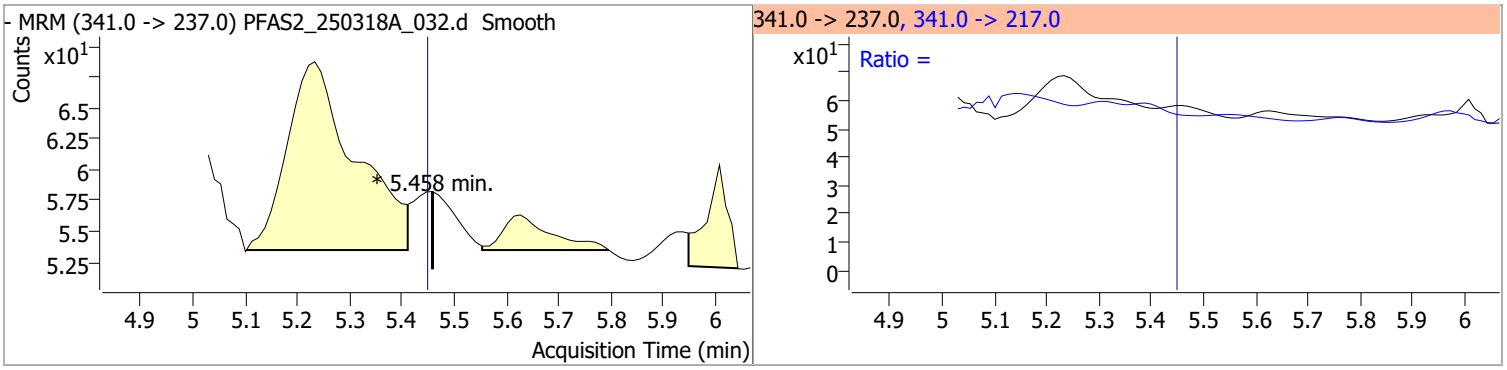
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5539	5.40	0.00	168075				



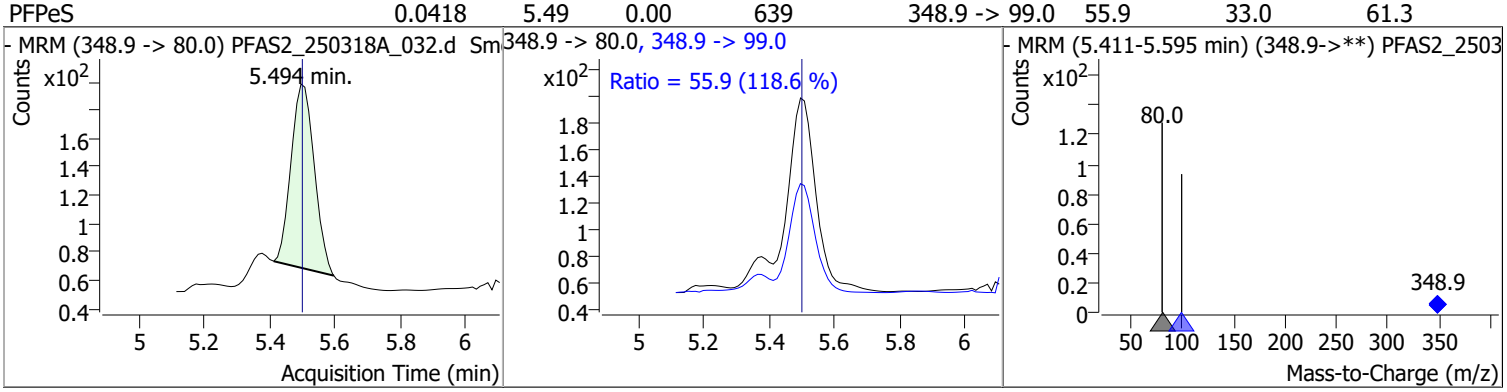
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0332	5.40	0.00	776	363.0 -> 169.0	17.9	11.8	21.9



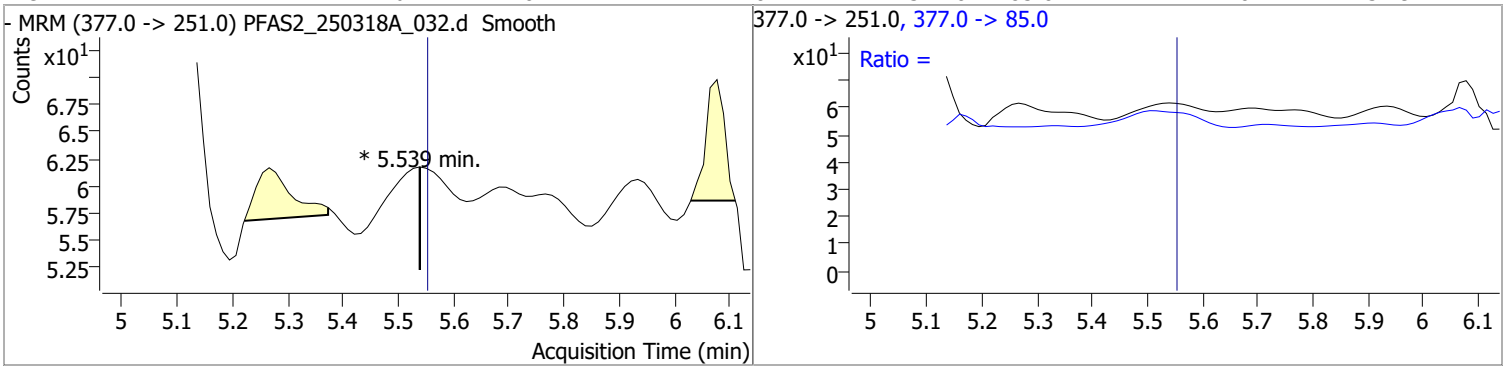
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



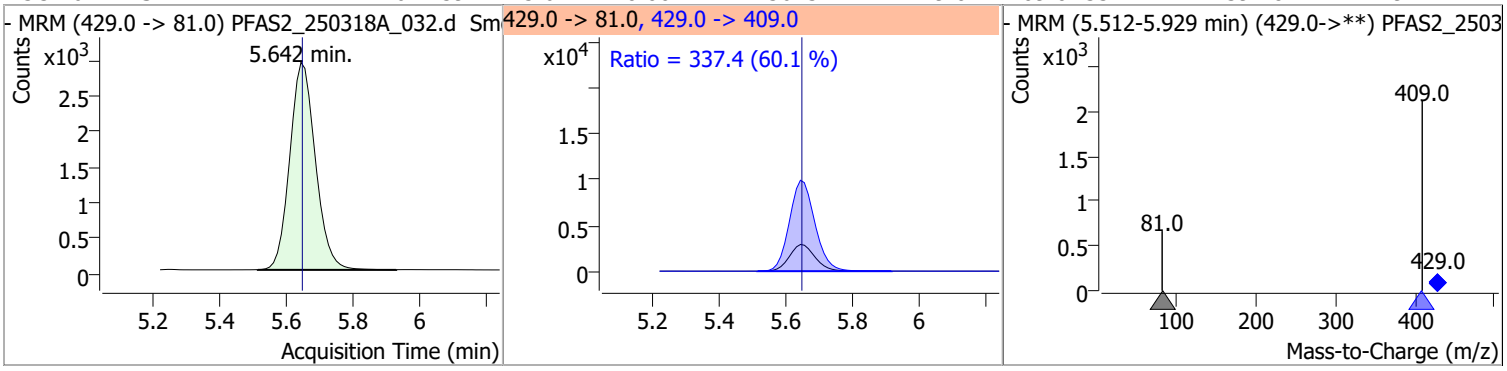
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0418	5.49	0.00	639	348.9 -> 99.0	55.9	33.0	61.3



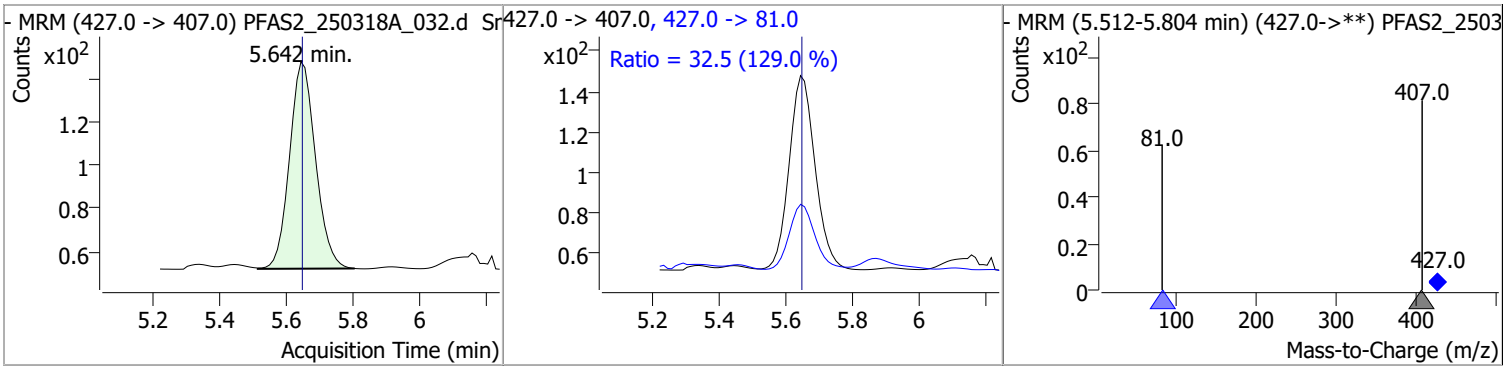
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



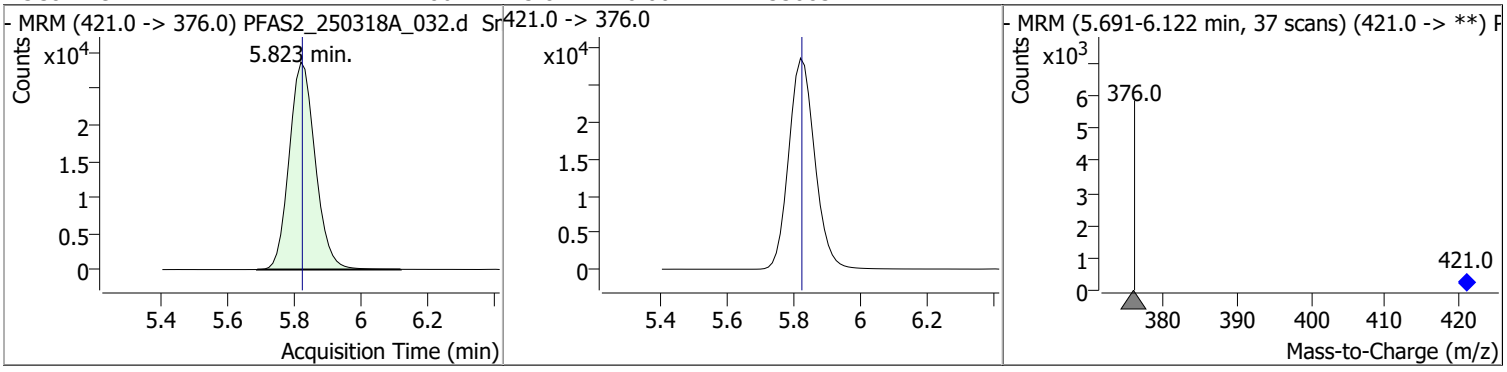
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.1459	5.64	0.00	15643	429.0 -> 409.0	337.4	392.8	729.4



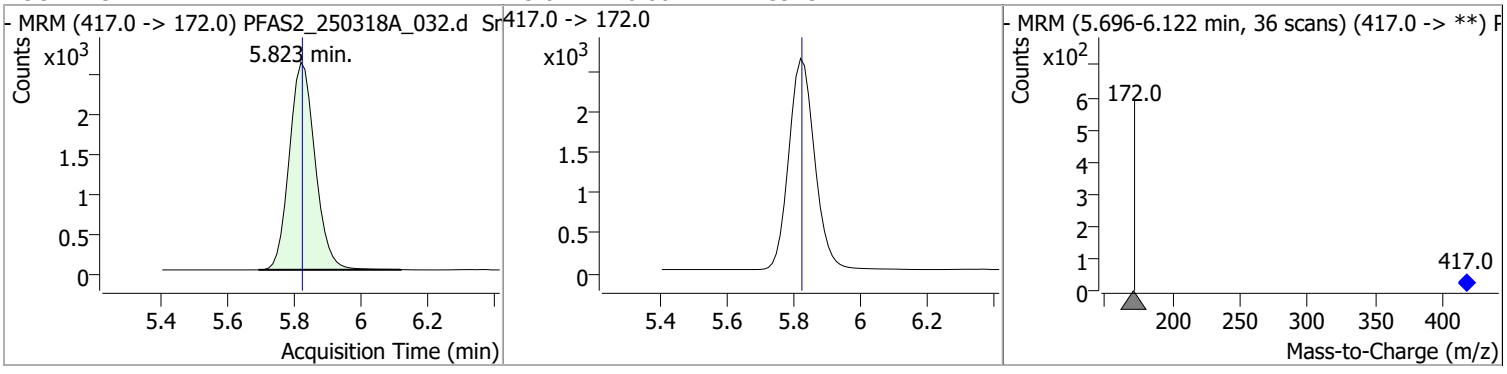
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1568	5.64	0.00	519	427.0 -> 81.0	32.5	17.7	32.8



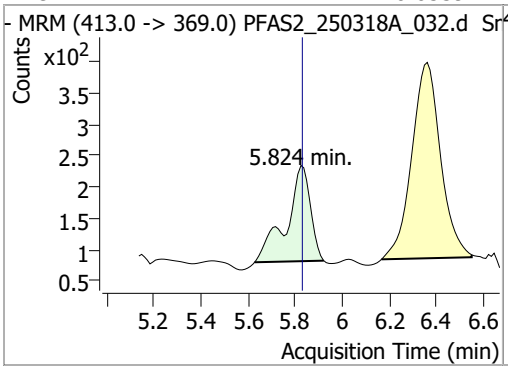
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4867	5.82	0.00	155083				

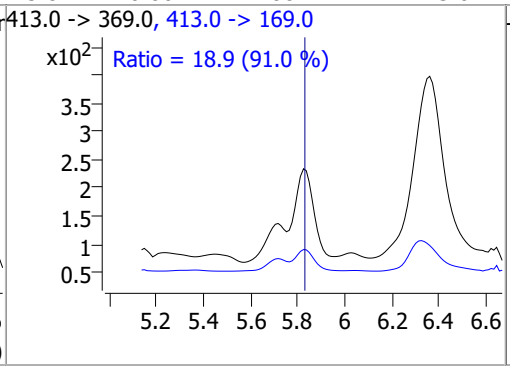


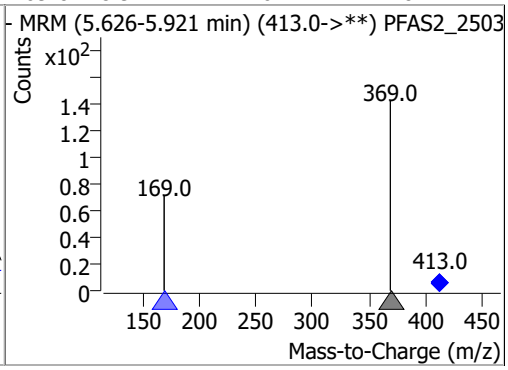
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13945				



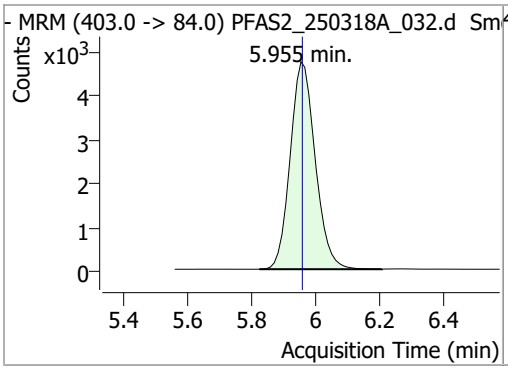
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0539	5.82	0.00	1082	413.0 -> 169.0	18.9	14.6	27.0

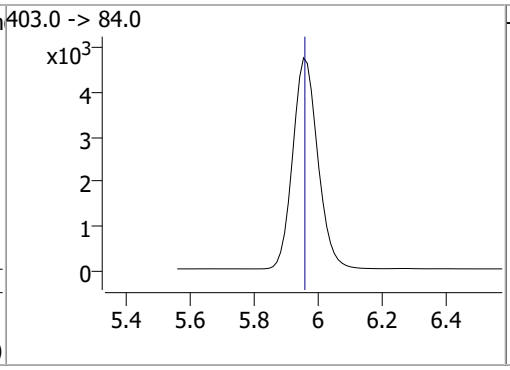


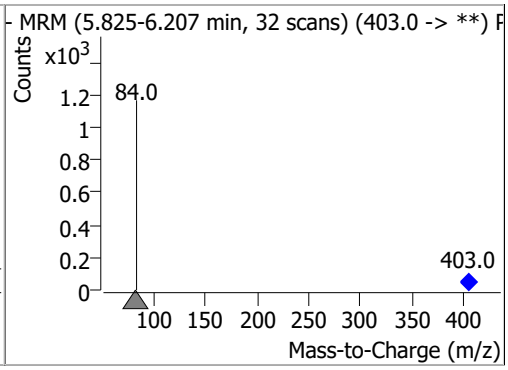




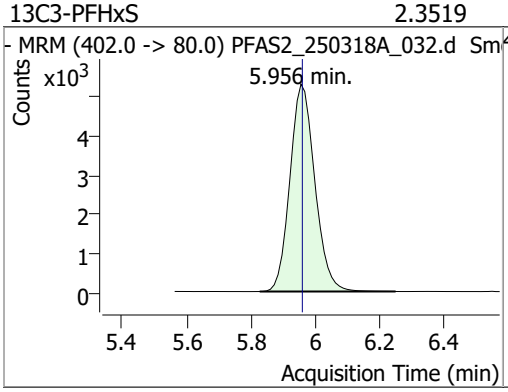
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25560				

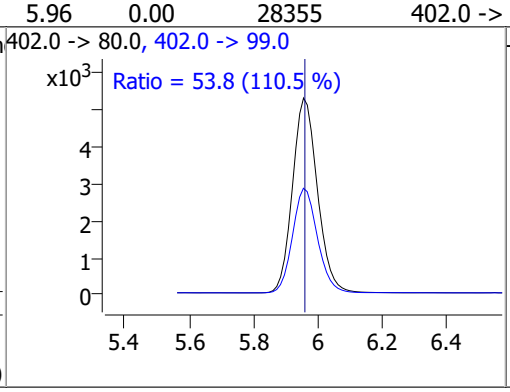


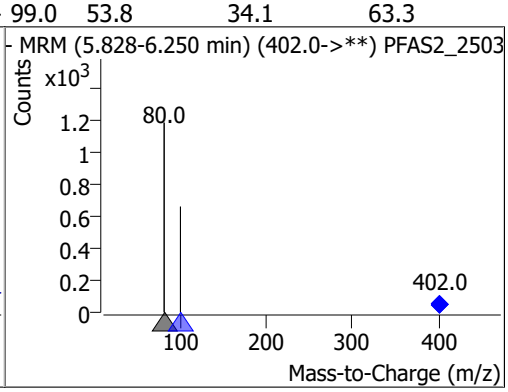




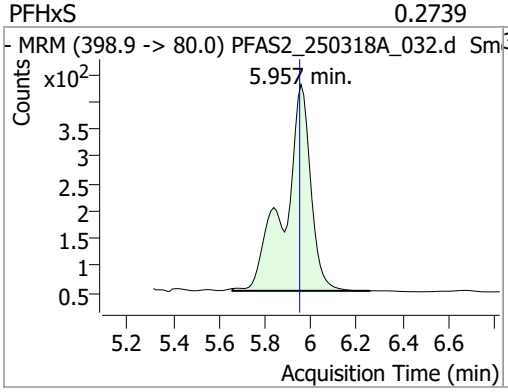
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3519	5.96	0.00	28355	402.0 -> 99.0	53.8	34.1	63.3

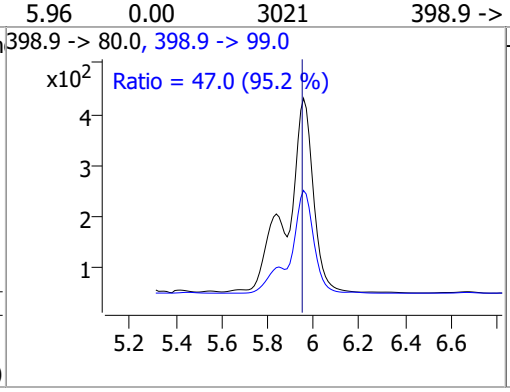


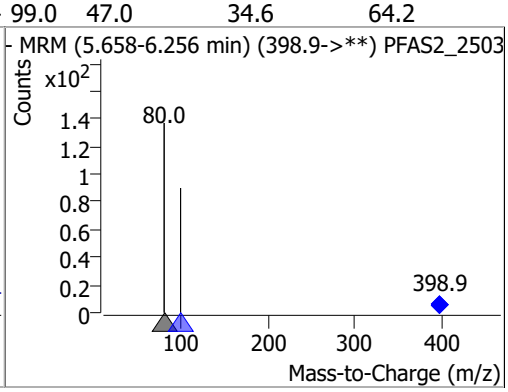




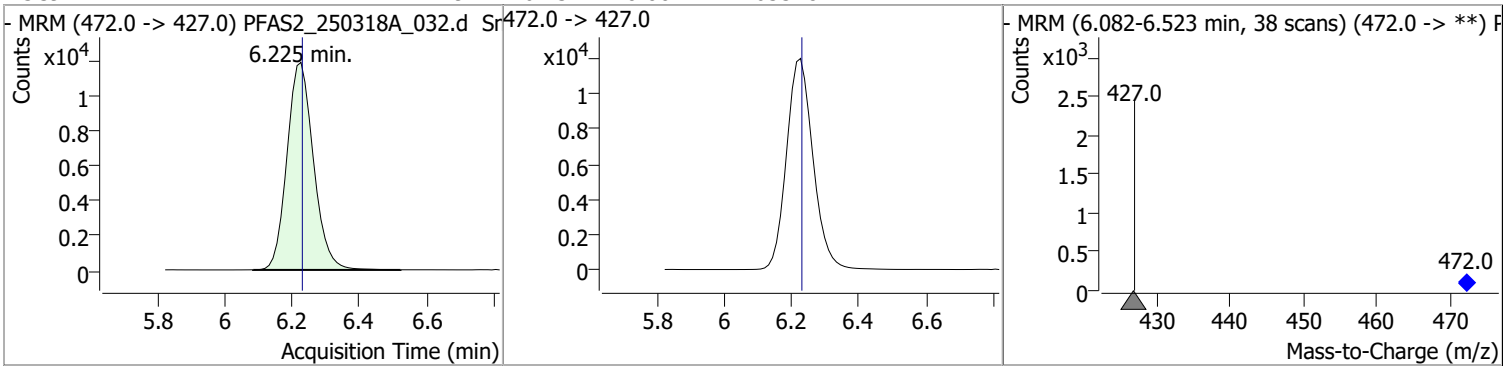
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2739	5.96	0.00	3021	398.9 -> 99.0	47.0	34.6	64.2



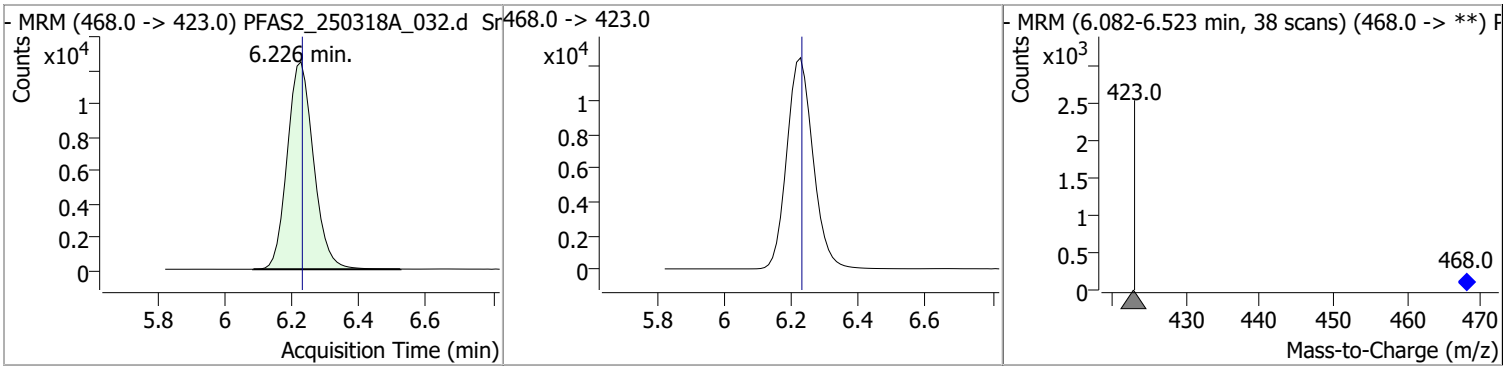




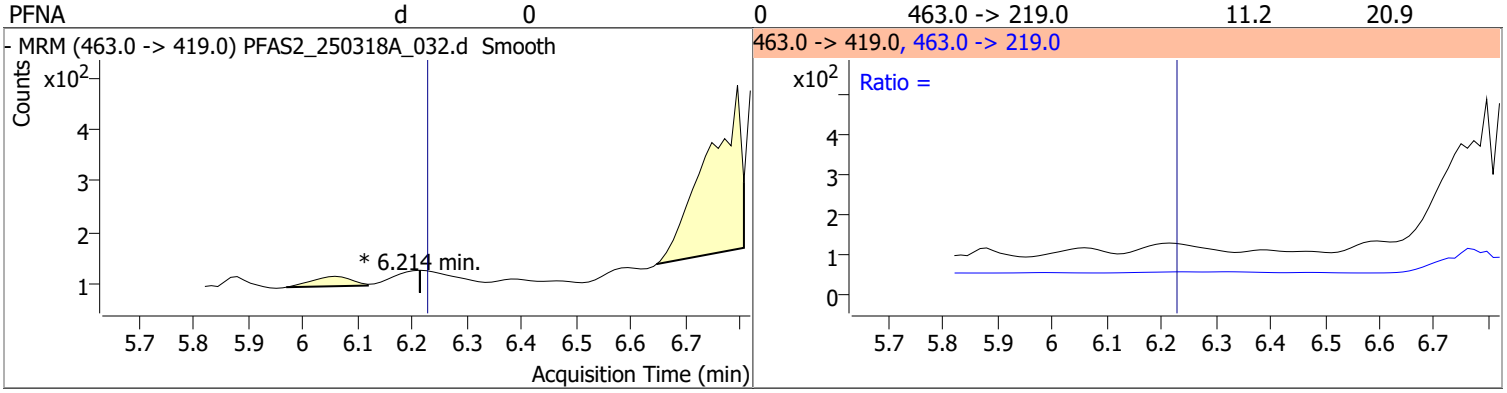
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2149	6.23	0.00	65518				



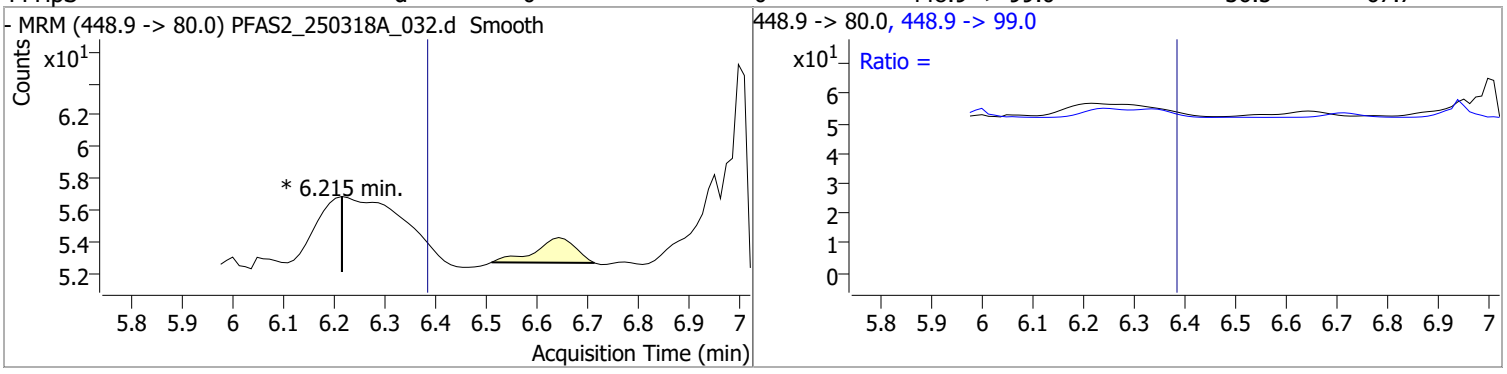
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68055				



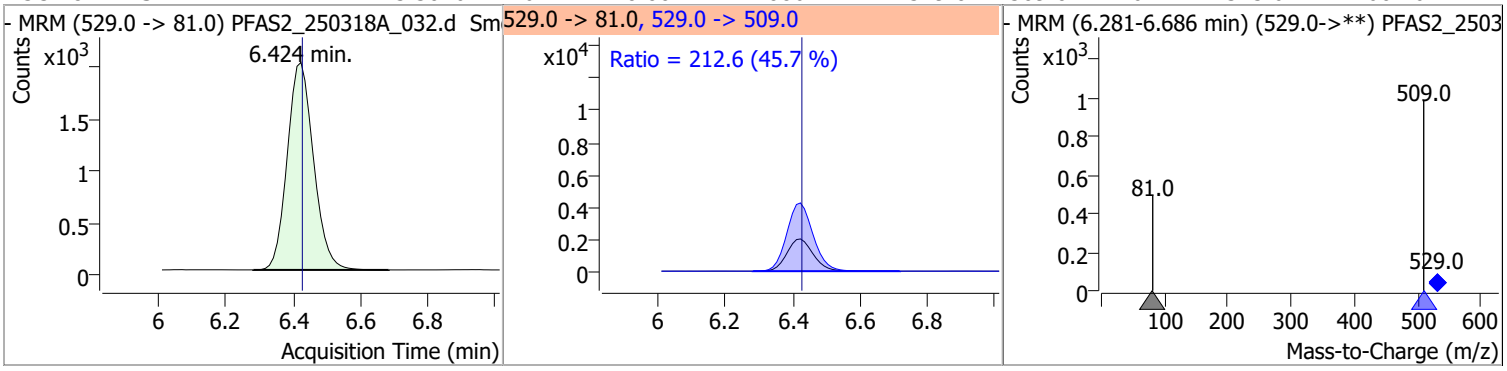
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



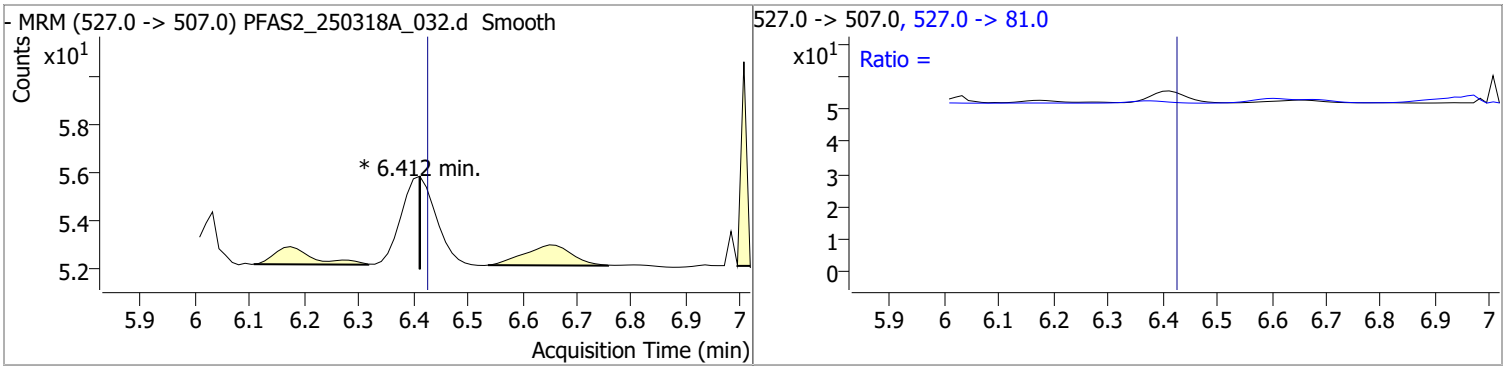
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



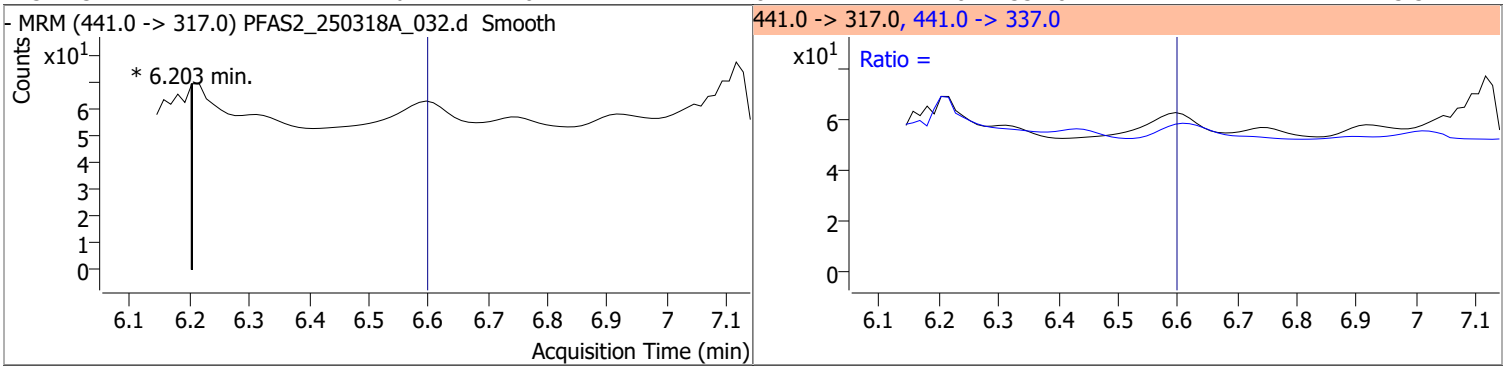
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3076	6.42	0.00	10861	529.0 -> 509.0	212.6	325.6	604.6



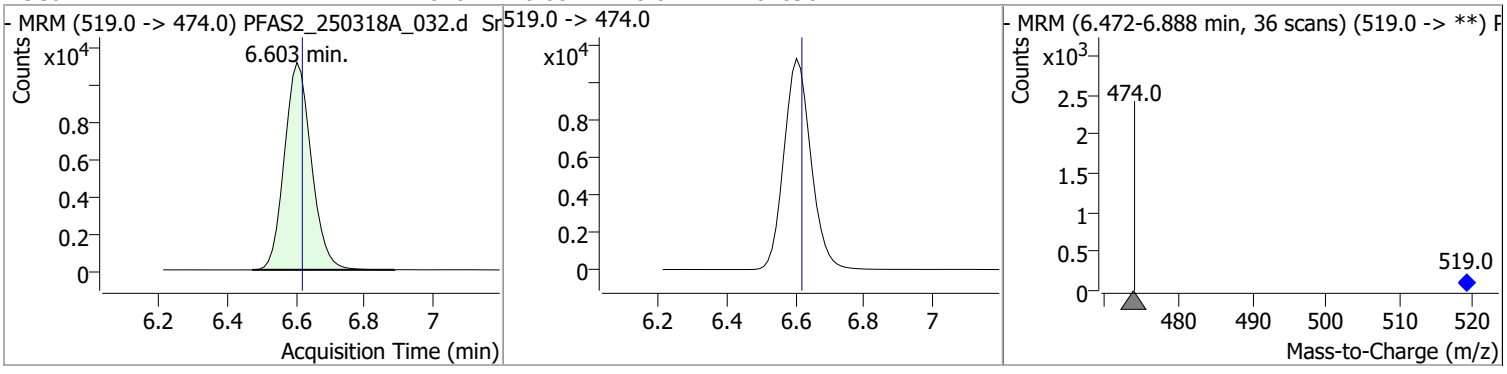
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



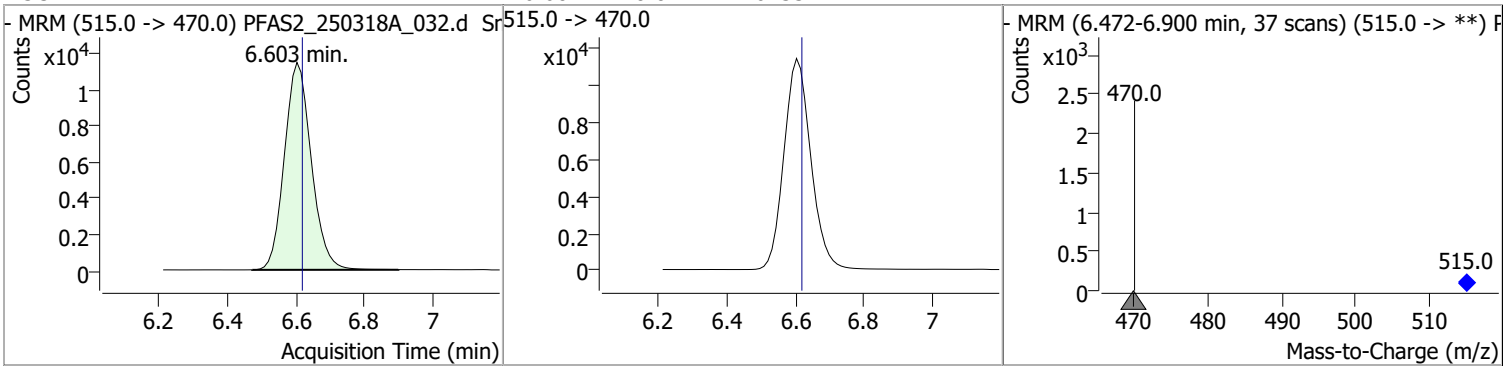
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



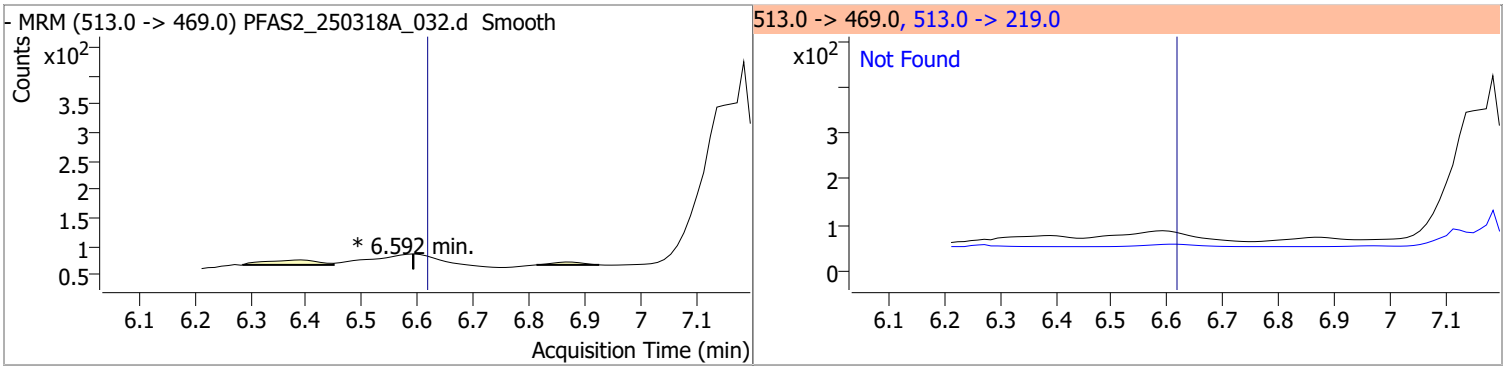
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2046	6.60	-0.01	61098				



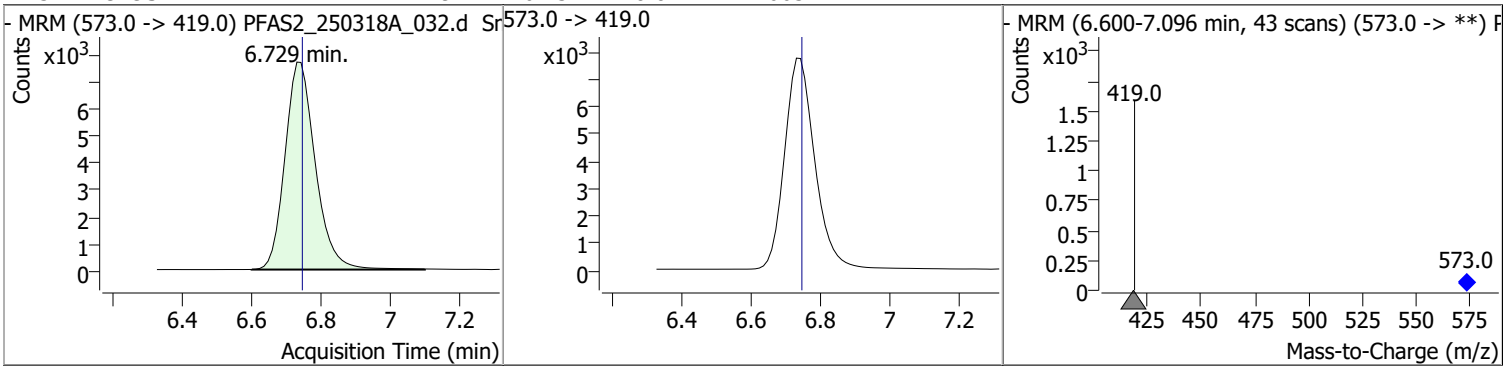
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	62331				



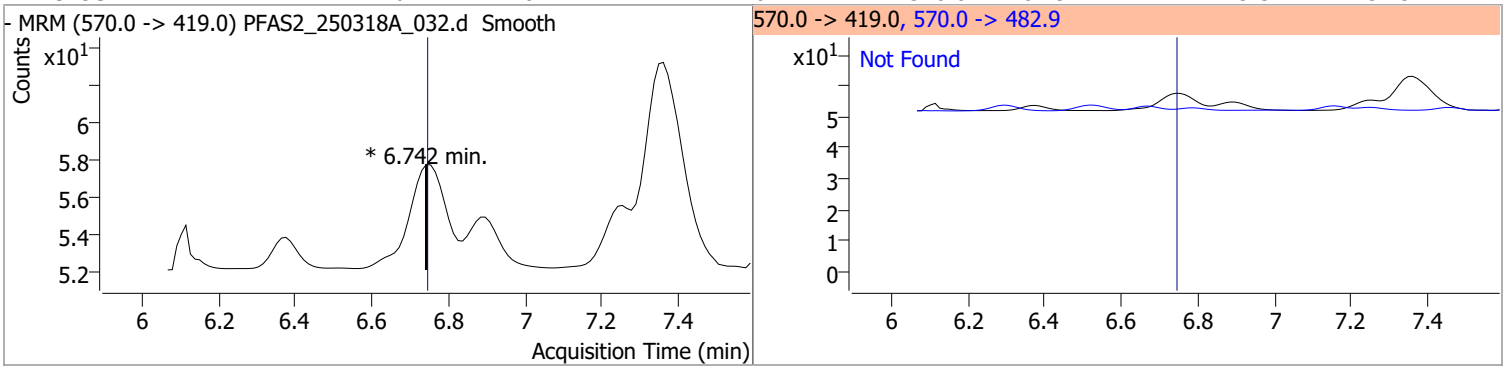
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



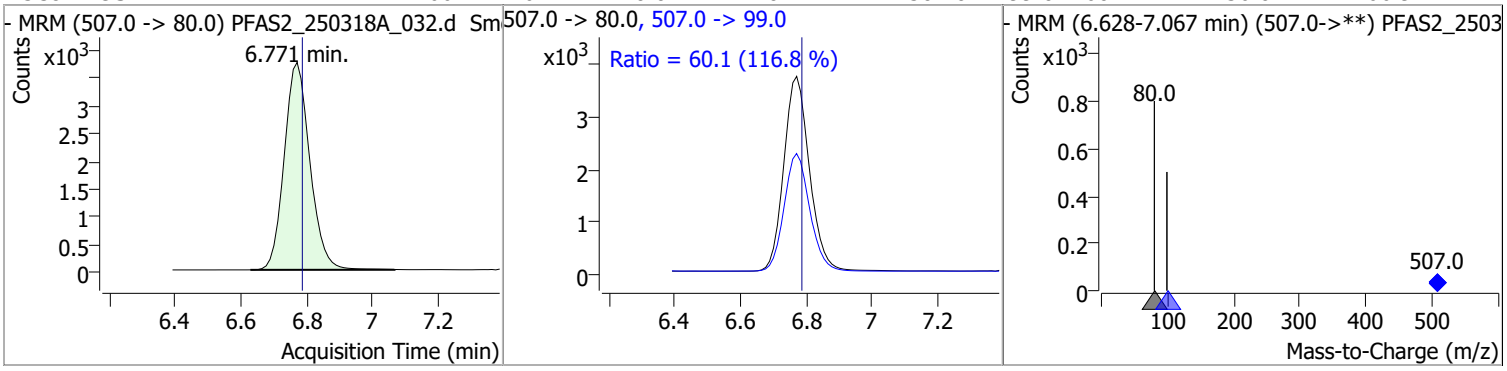
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7297	6.73	-0.01	46632				



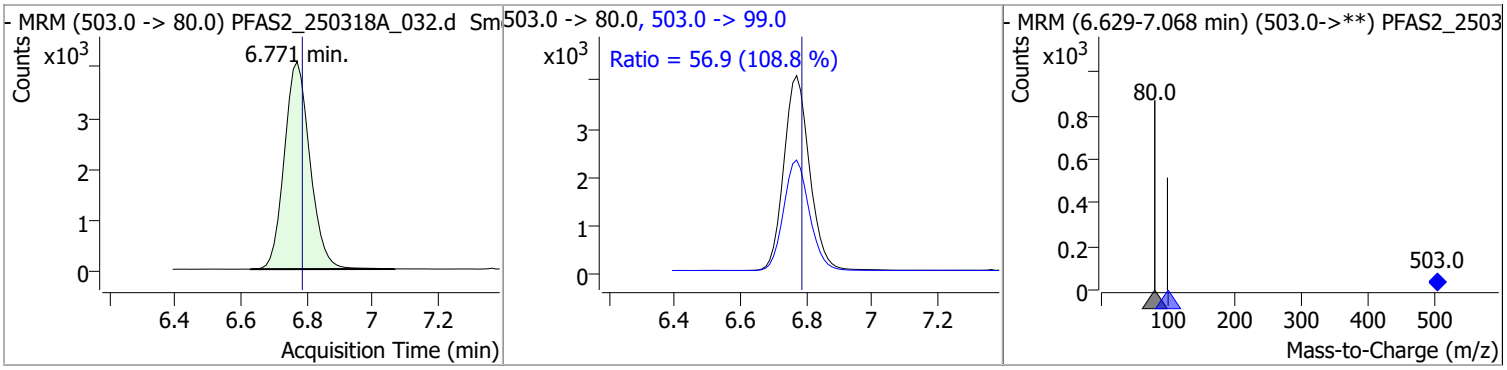
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



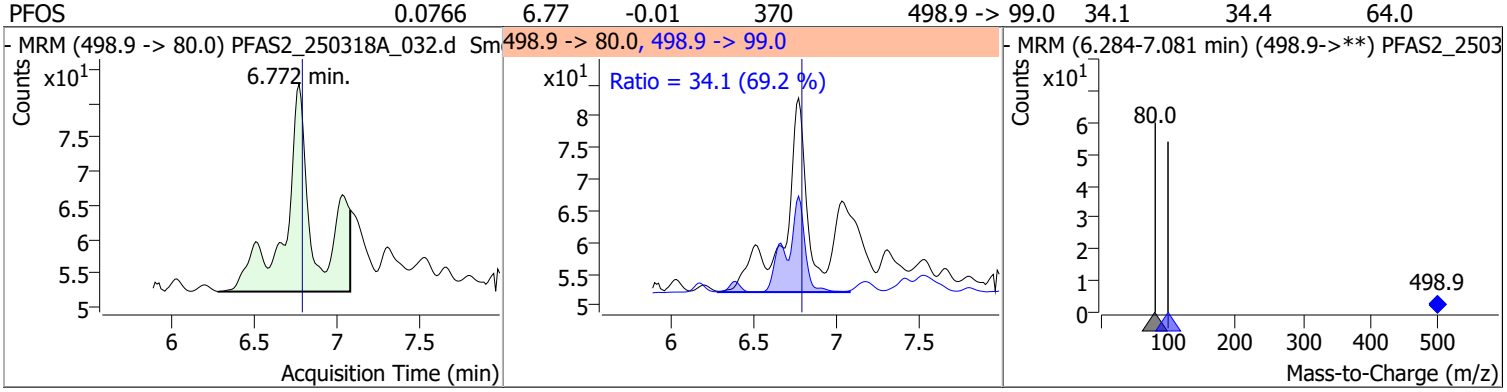
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2664	6.77	-0.01	20211	507.0 -> 99.0	60.1	36.0	66.9



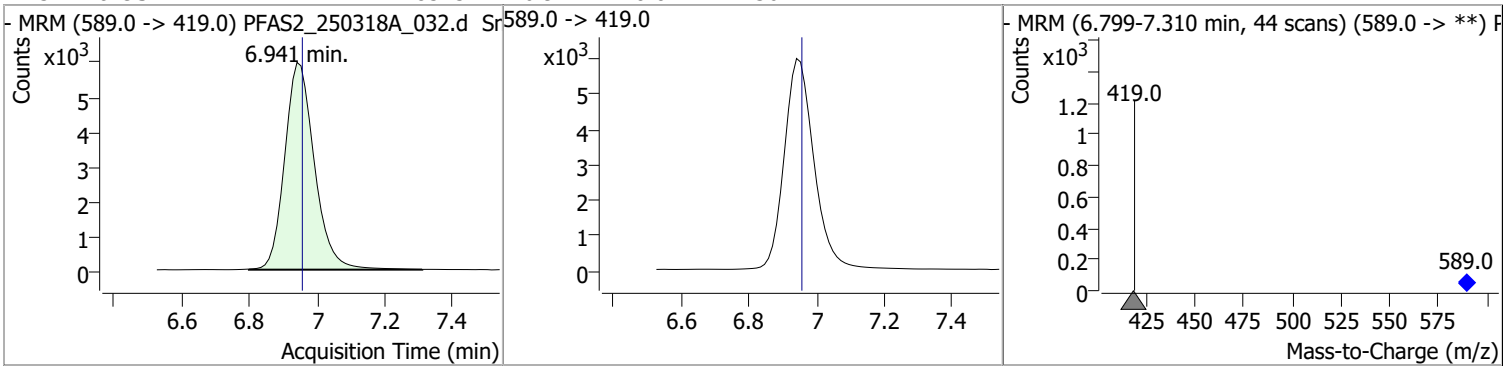
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21973	503.0 -> 99.0	56.9	36.6	67.9



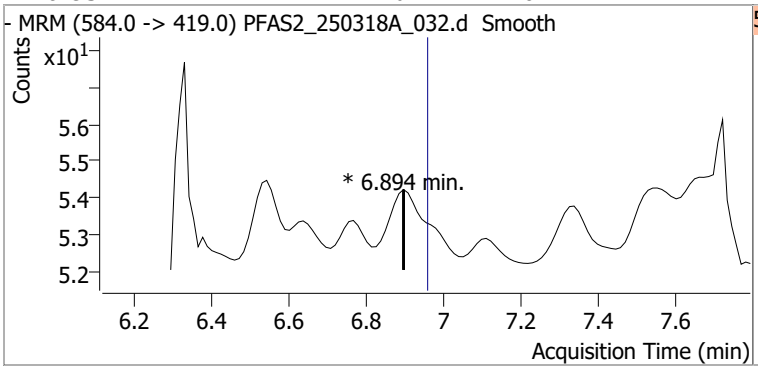
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0766	6.77	-0.01	370	498.9 -> 99.0	34.1	34.4	64.0

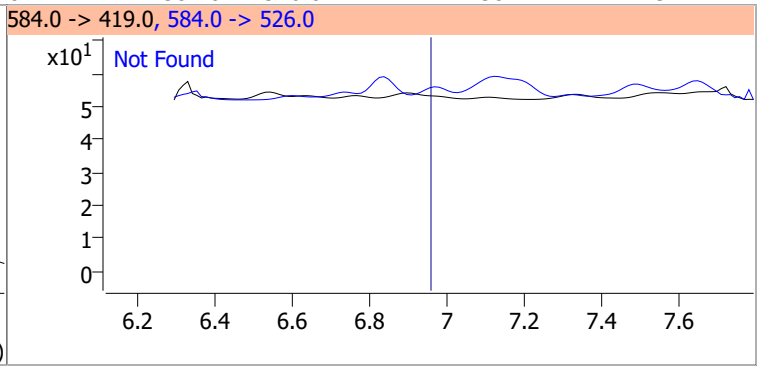


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8515	6.94	-0.01	36112				

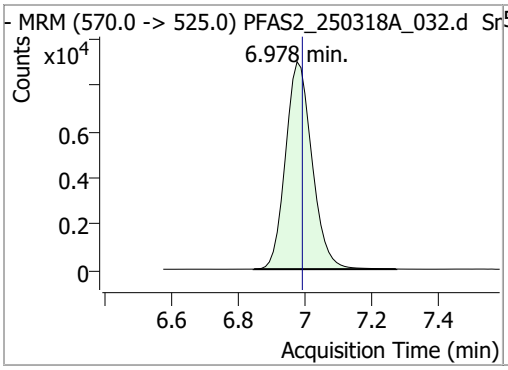


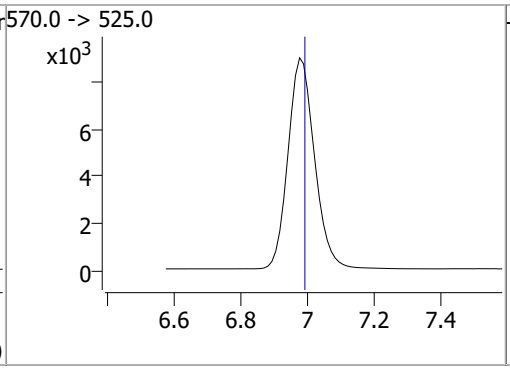
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

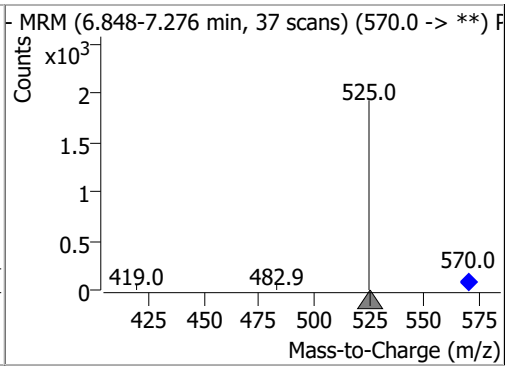




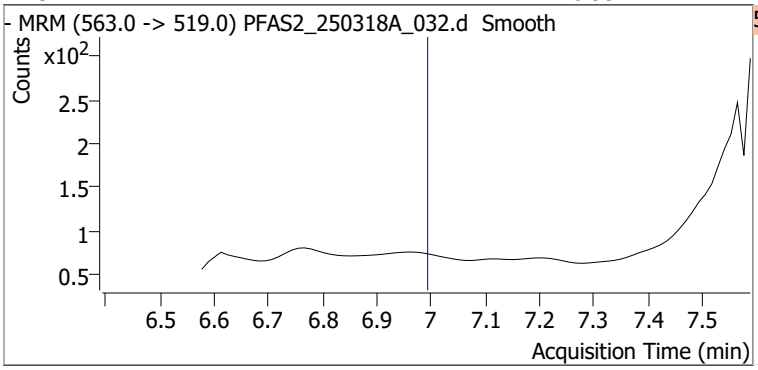
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2389	6.98	-0.01	49525				

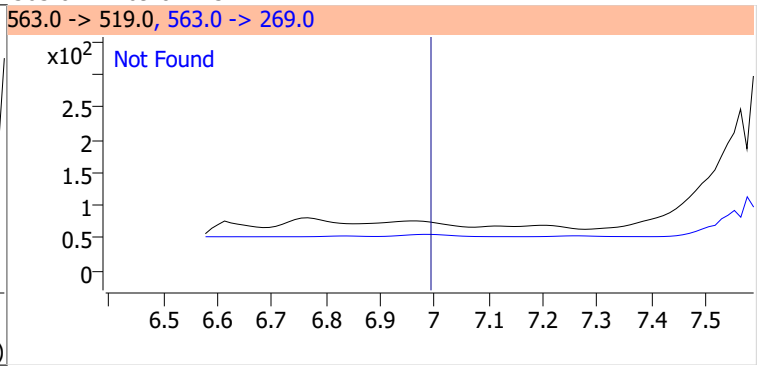




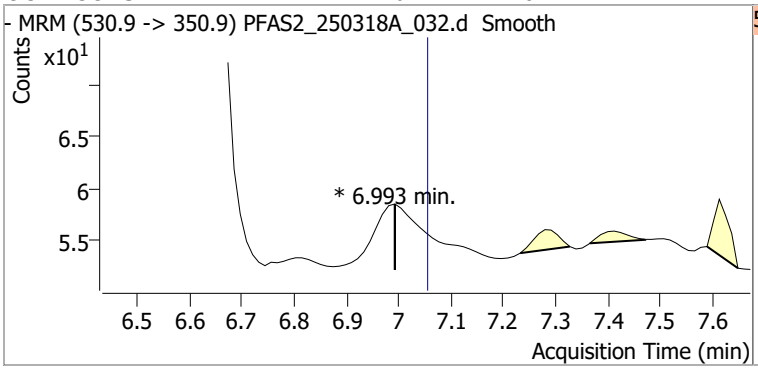


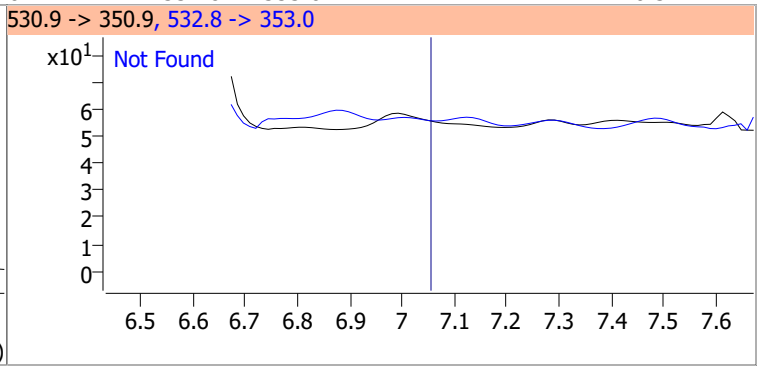
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	6.99	563.0 -> 269.0	15.7



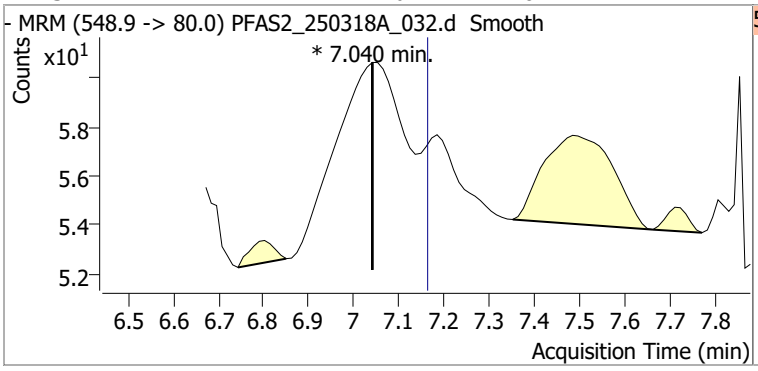


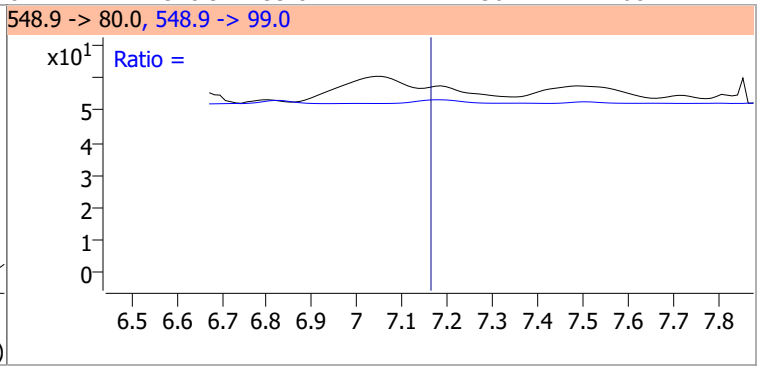
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



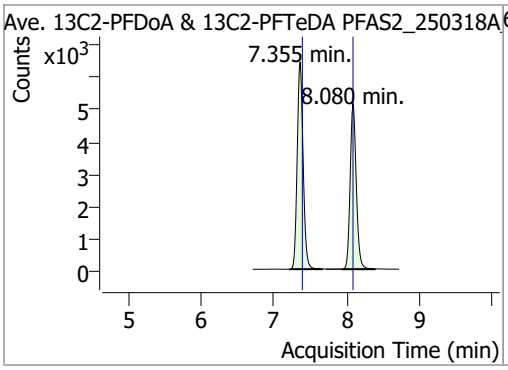


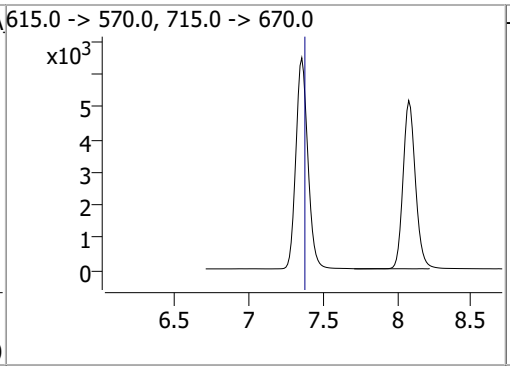
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

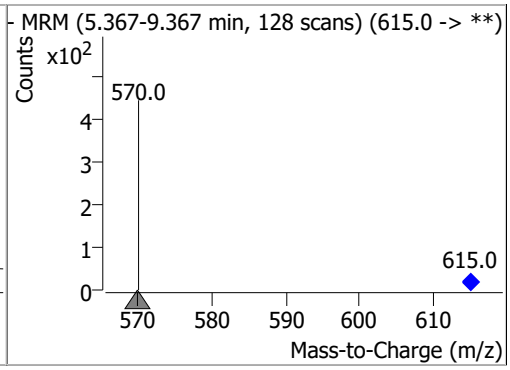




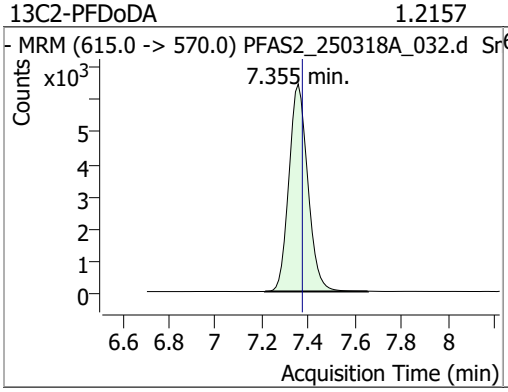
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0043	7.72	0.35	33088				

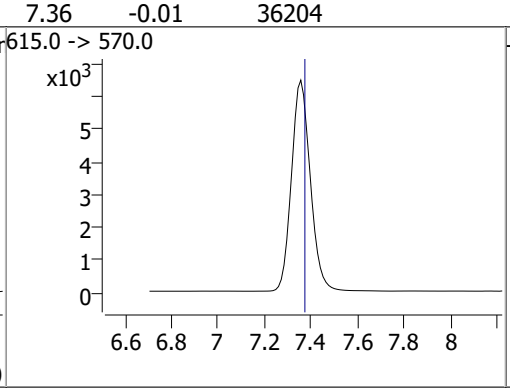


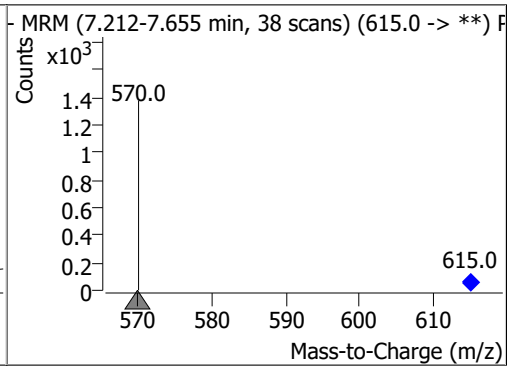




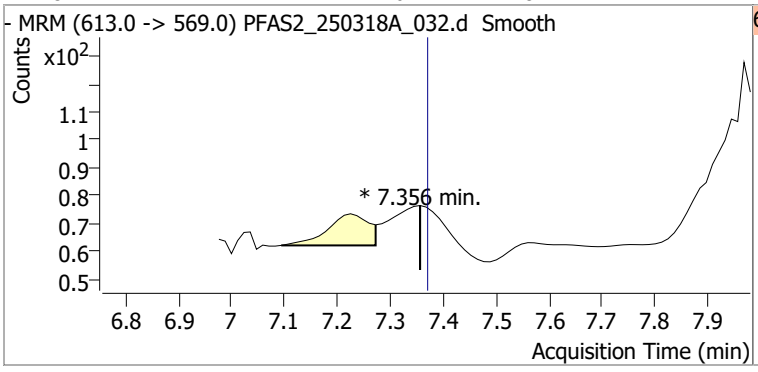
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2157	7.36	-0.01	36204				

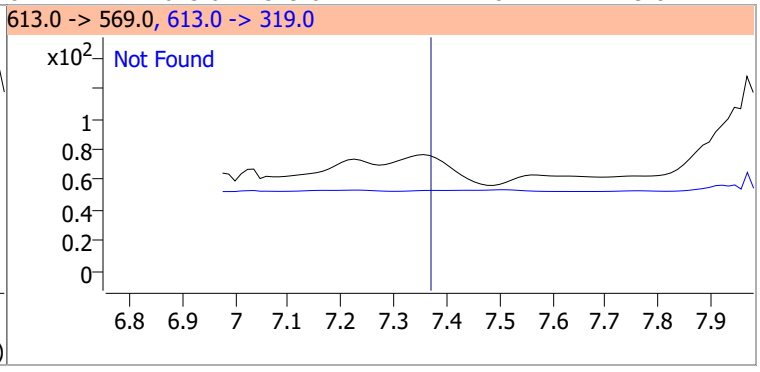




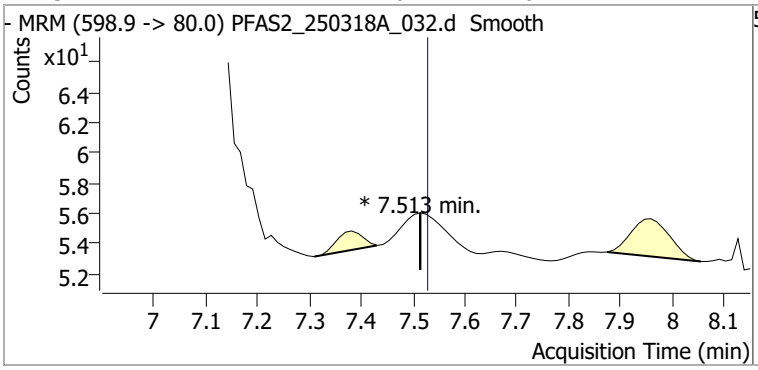


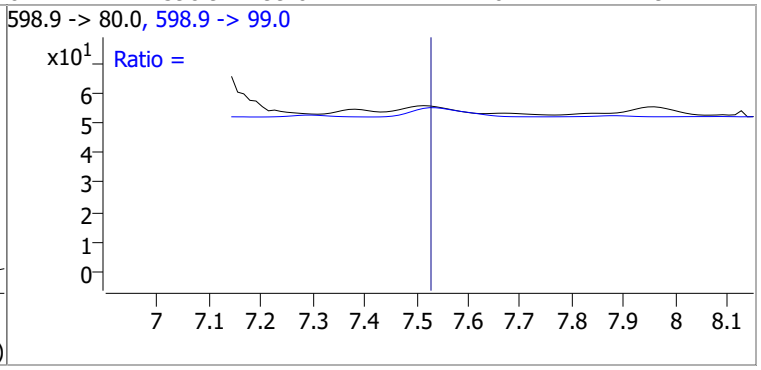
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



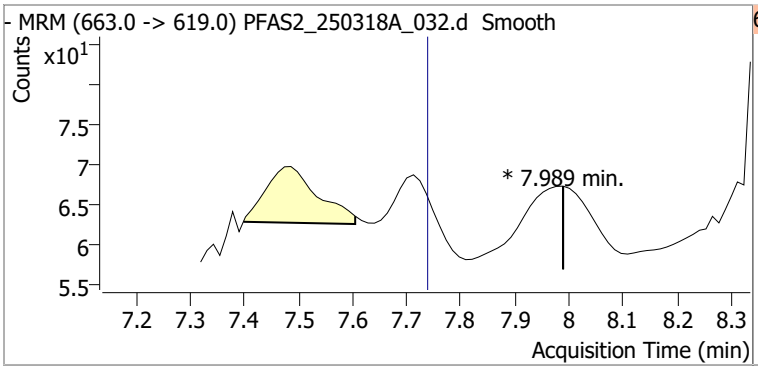


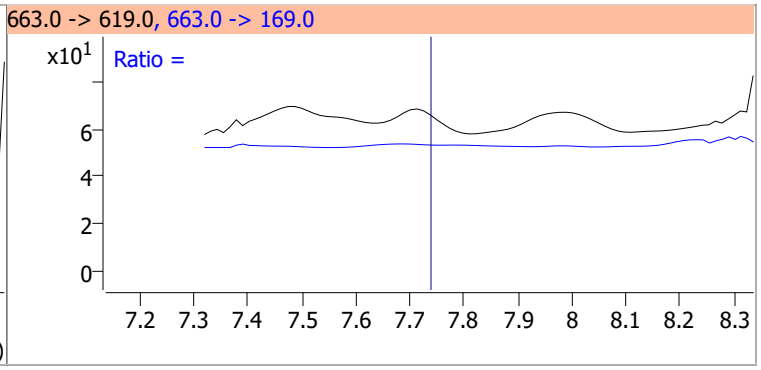
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



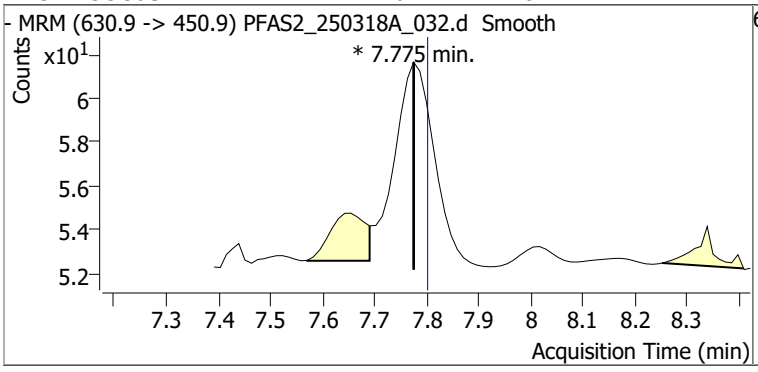


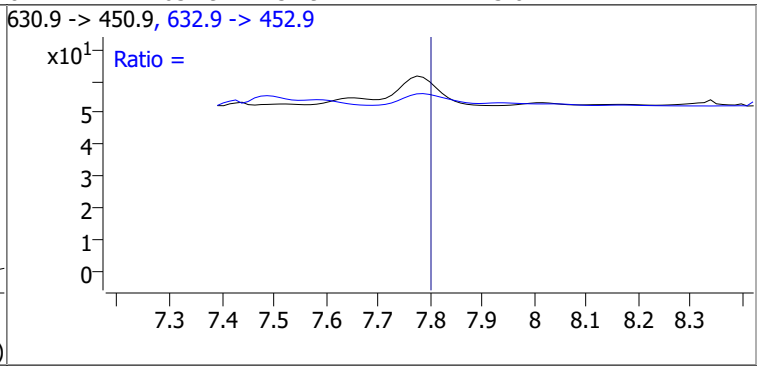
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



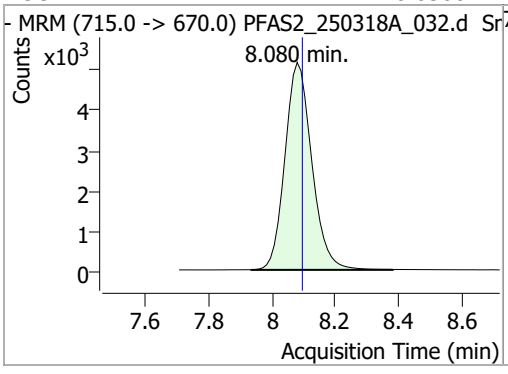


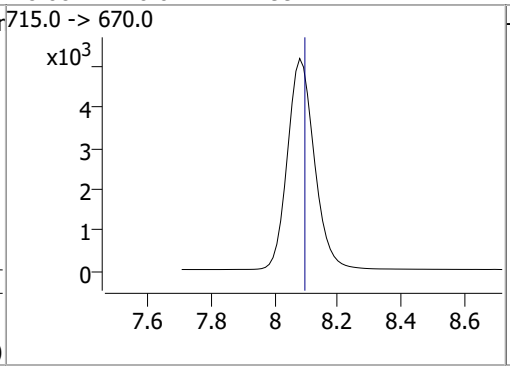
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

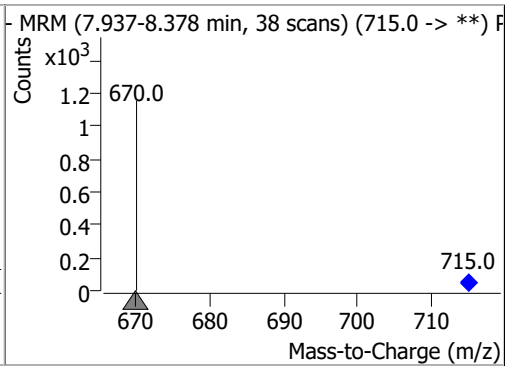




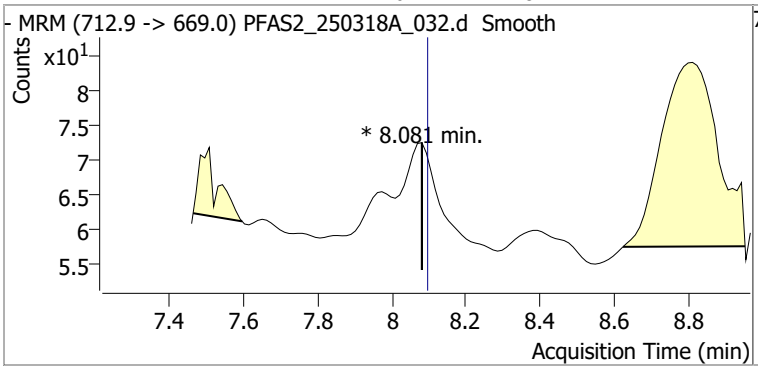
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8300	8.08	-0.01	29972				

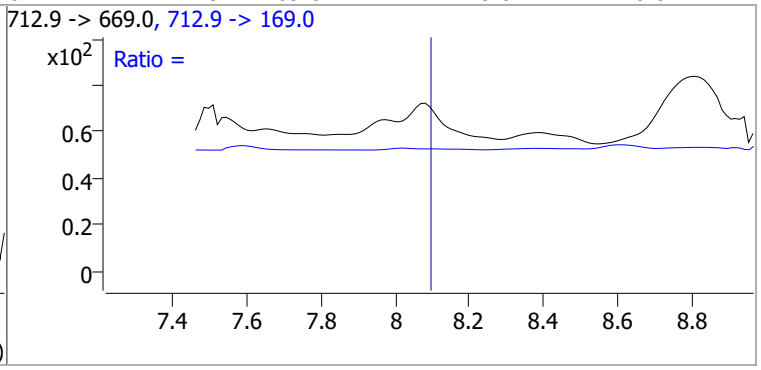




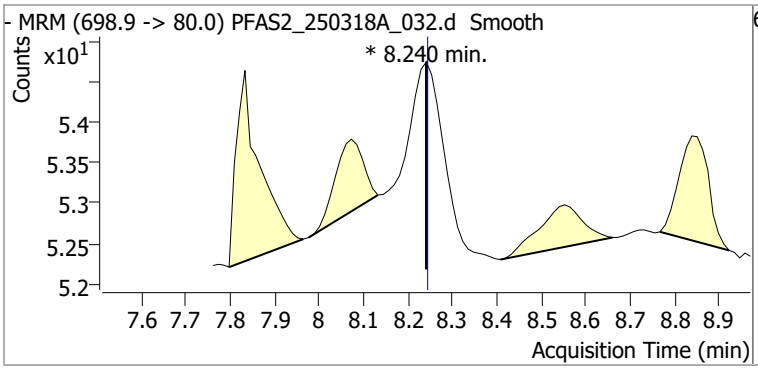


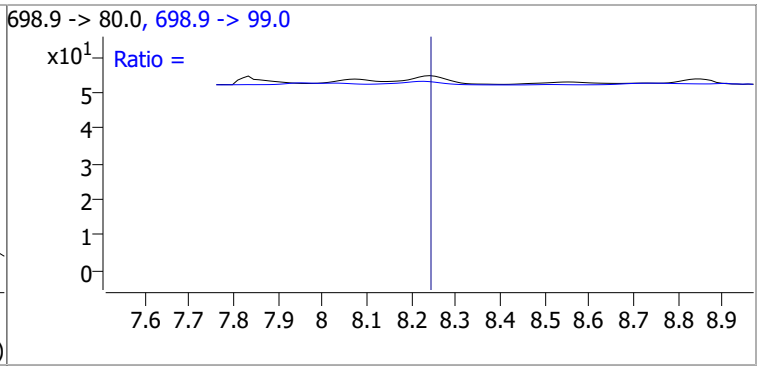
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



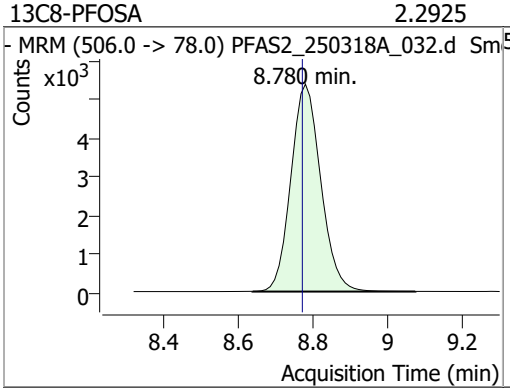


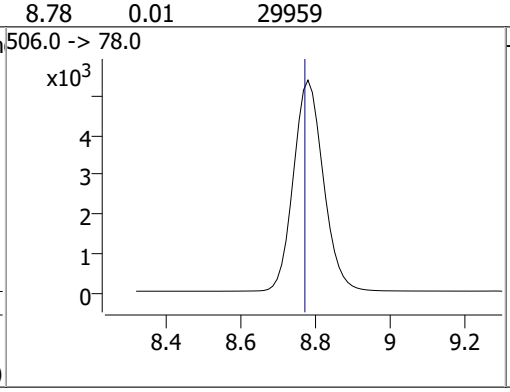
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

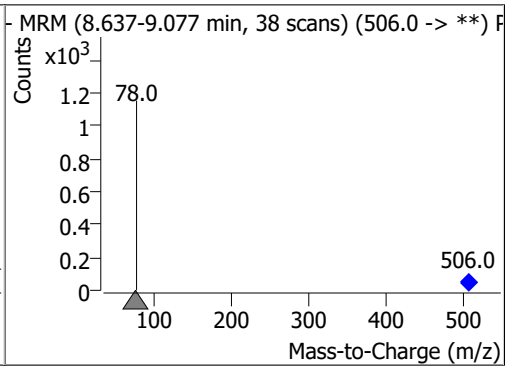




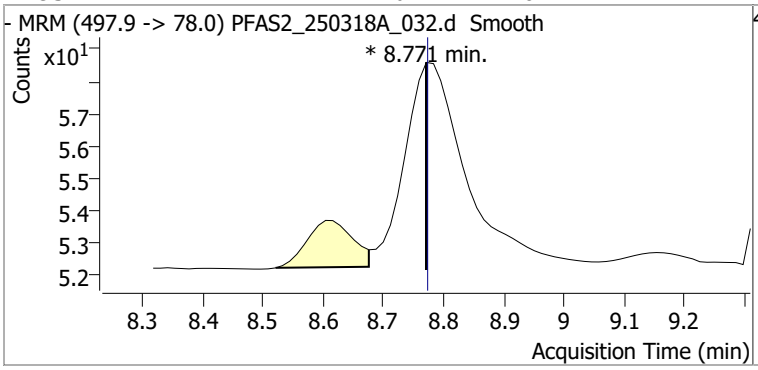
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2925	8.78	0.01	29959				

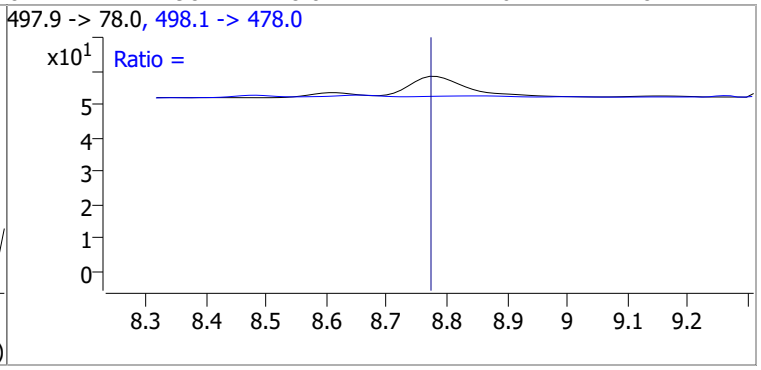




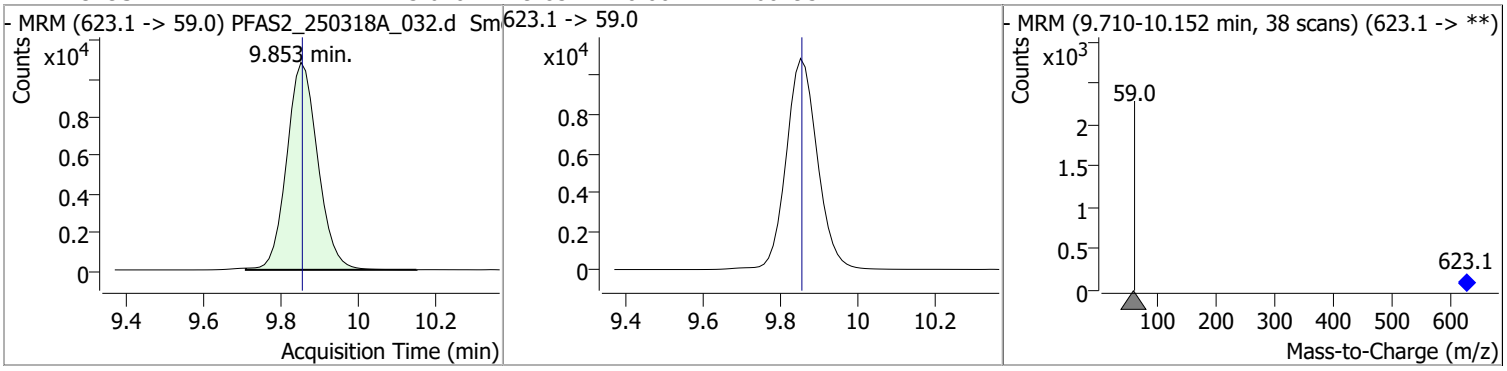


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

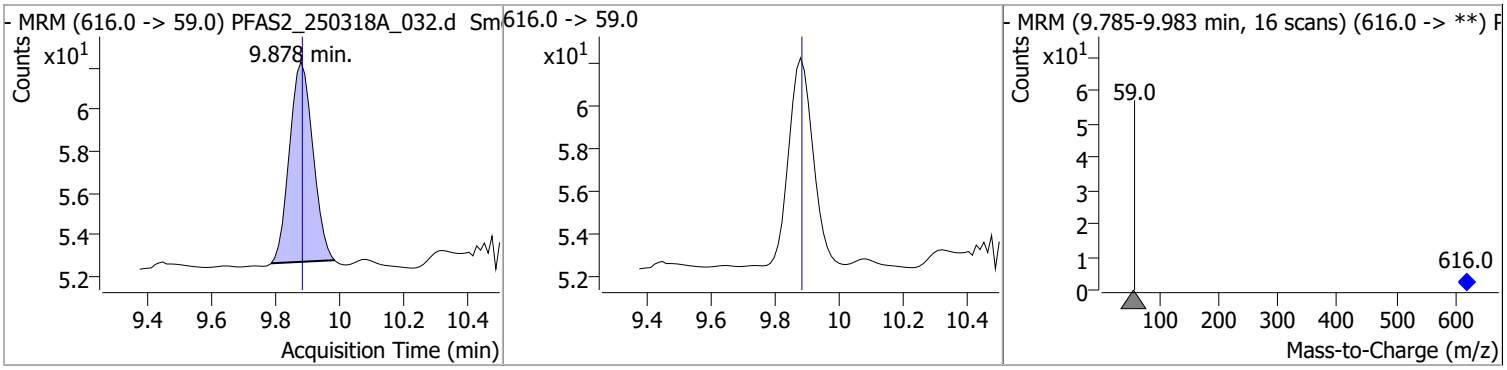




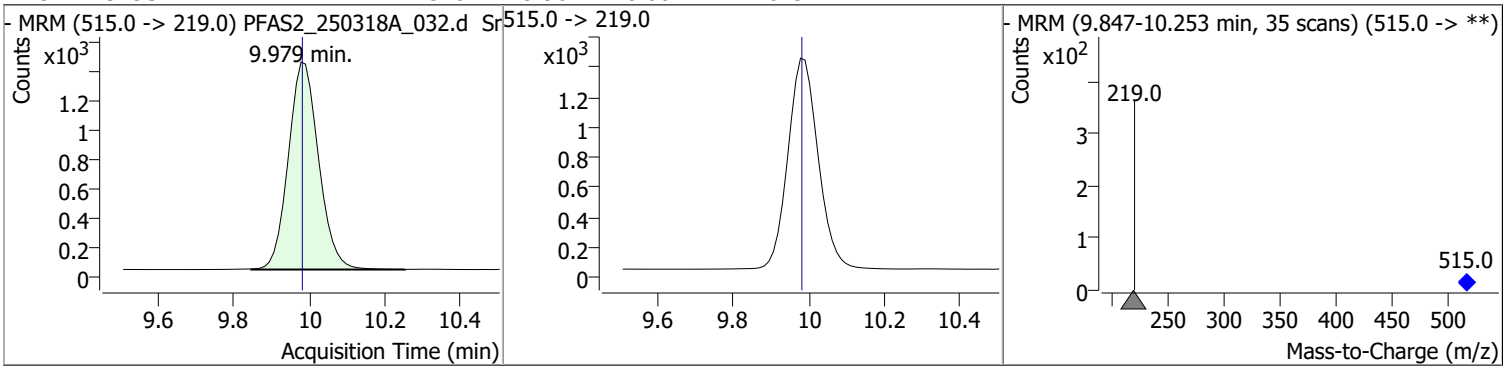
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.6107	9.85	0.00	60295				



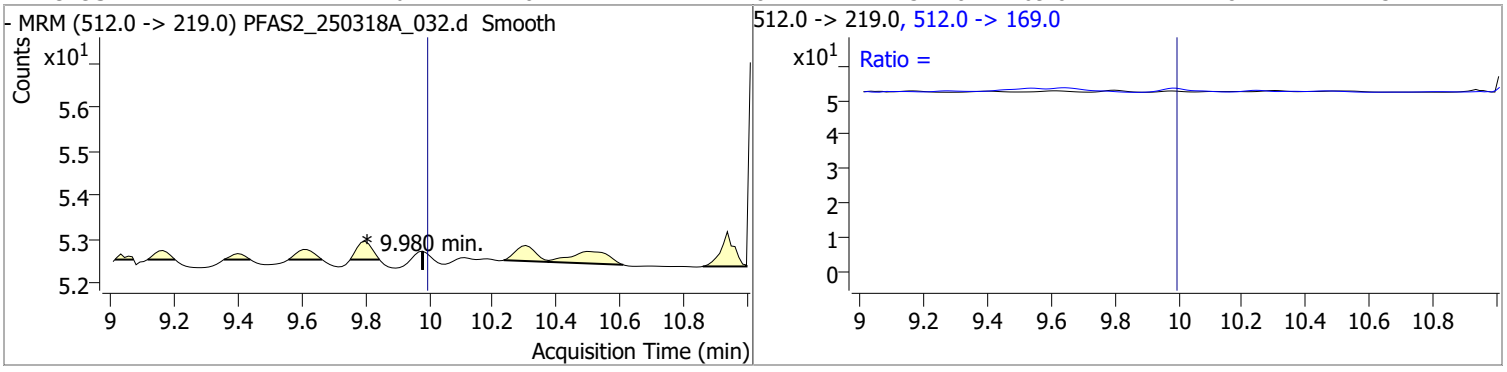
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	48				



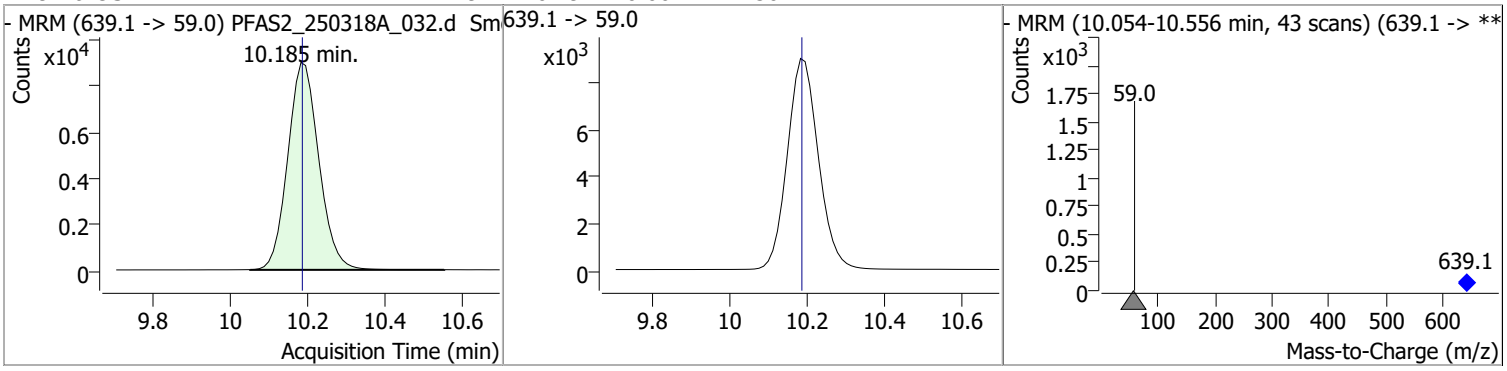
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1348	9.98	0.00	7829				



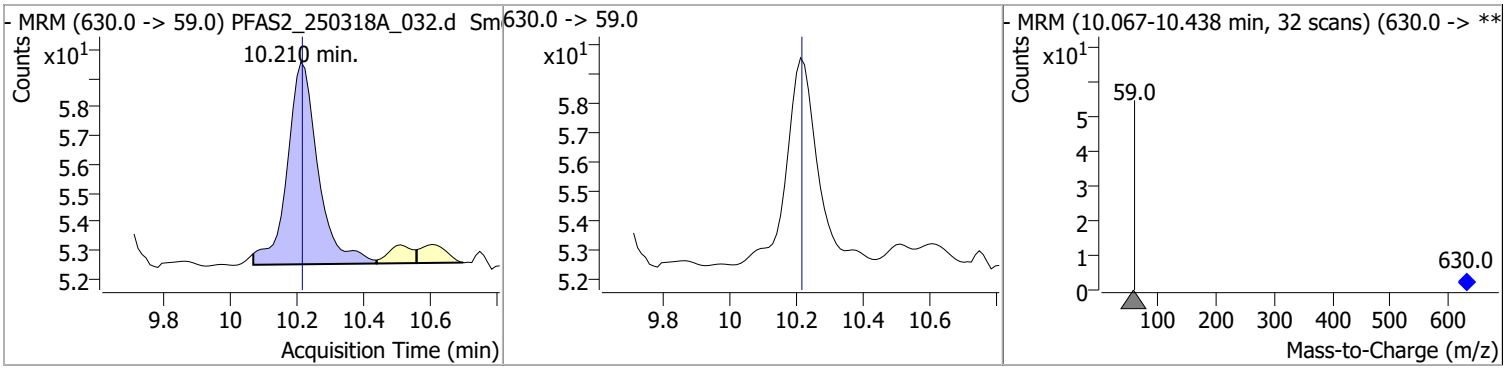
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



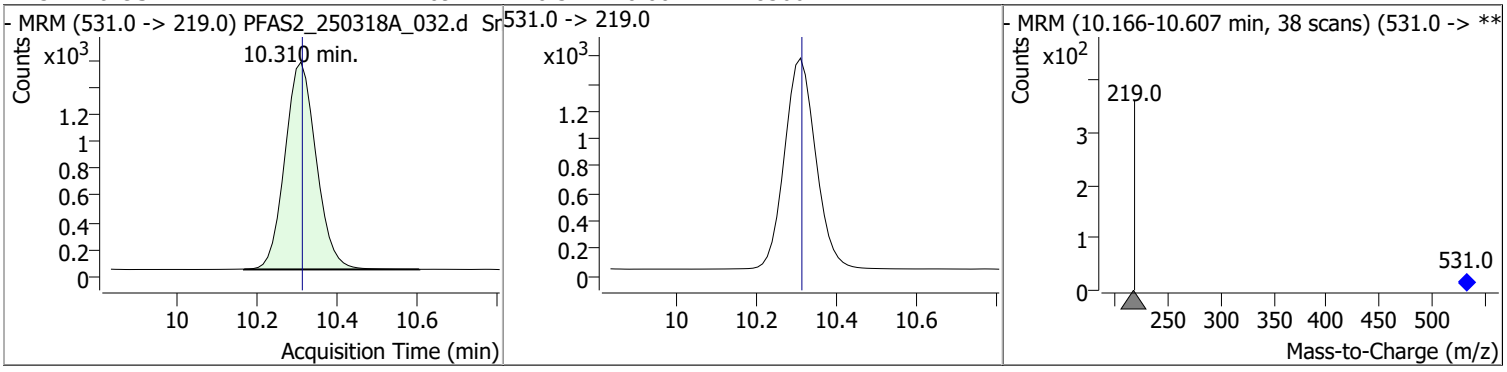
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4129	10.19	0.00	50244				



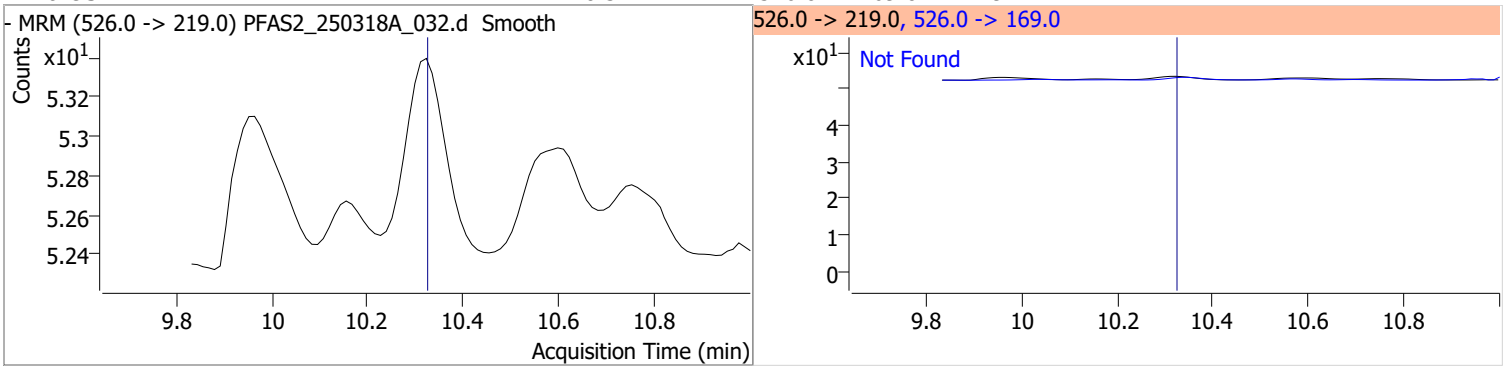
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0347	10.21	0.00	46				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1097	10.31	0.00	8366				



Compound	Conc.	Exp RT	QIon	Exp Ratio
N-EtFOSA	N.D.	10.32	526.0 -> 169.0	112.9



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_032.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:15:03 AM
Sample Name	O25C0550-08	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

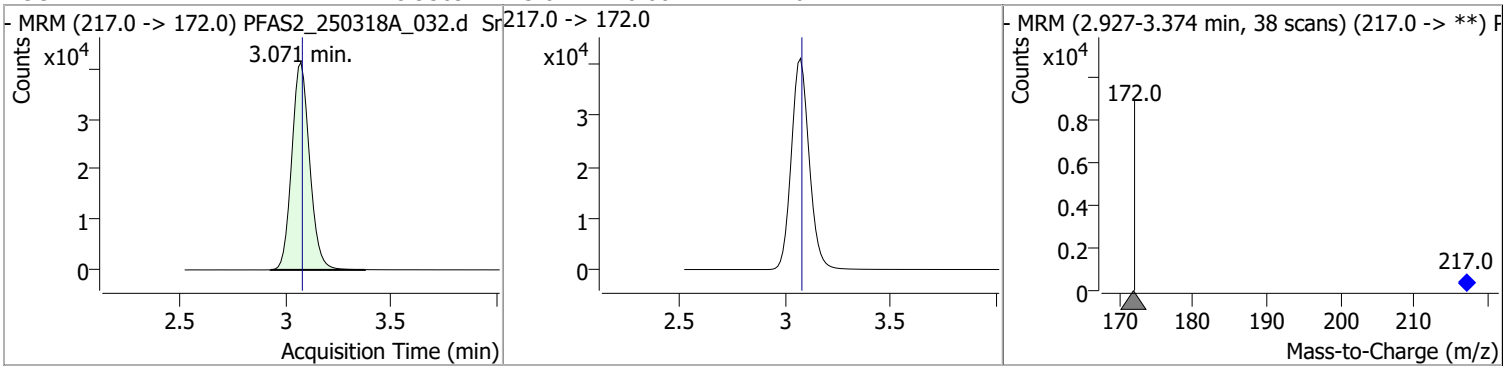
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	118812	5.0000	µg/L		-13.176
13C2-PFHxA	4.890	315.0 -> 270.0	133679	2.5000	µg/L		-12.870
18O2-PFHxS	5.955	403.0 -> 84.0	25560	2.5000	µg/L		-13.736
13C4-PFOA	5.823	417.0 -> 172.0	13945	2.5000	µg/L		-9.726
13C5-PFNA	6.226	468.0 -> 423.0	68055	1.2500	µg/L		-4.381
13C2-PFDA	6.603	515.0 -> 470.0	62331	1.2500	µg/L		-6.797
13C4-PFOS	6.771	503.0 -> 80.0	21973	2.5000	µg/L		-11.786
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	241672	10.0000	µg/L		-22.250
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 89.51%			
13C5-PFPeA	4.222	268.0 -> 223.0	178595	5.0000	µg/L		-13.688
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	178595	5.0000	µg/L		-13.688
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.07%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28524	5.0000	µg/L		12.901
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.41%			
13C5-PFHxA	4.889	318.0 -> 273.0	136685	2.5000	µg/L		-19.047
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	136685	2.5000	µg/L		-19.047
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.89%			
13C3-PFBS	4.929	302.0 -> 80.0	48634	2.5000	µg/L		-19.908
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.94%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	152149	10.0000	µg/L		-12.944
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.91%			
13C4-PFHpA	5.397	367.0 -> 322.0	168075	2.5000	µg/L		-11.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.956	402.0 -> 80.0	28355	2.5000	µg/L		-18.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.08%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15643	5.0000	µg/L	#	5.918
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.92%			
13C8-PFOA	5.823	421.0 -> 376.0	155083	2.5000	µg/L		-10.222
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.47%			
13C3-PFHxS	5.956	402.0 -> 80.0	28355	2.5000	µg/L		-18.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.08%			
13C9-PFNA	6.225	472.0 -> 427.0	65518	1.2500	µg/L		-7.020
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.20%			
13C8-PFOS	6.771	507.0 -> 80.0	20211	2.5000	µg/L		-20.062
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.65%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10861	5.0000	µg/L	#	-8.311
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.15%			
13C6-PFDA	6.603	519.0 -> 474.0	61098	1.2500	µg/L		-10.097
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.37%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46632	5.0000	µg/L		-16.459
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.59%			
13C8-PFOS	6.771	507.0 -> 80.0	20211	2.5000	µg/L		-20.062

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.65%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36112	5.0000	µg/L		-14.365
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.03%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49525	1.2500	µg/L		-7.608
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.12%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	33088	1.2500	µg/L		-24.996
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.34%			
13C2-PFDoDA	7.355	615.0 -> 570.0	36204	1.2500	µg/L		-9.366
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.25%			
13C2-PFTDA	8.080	715.0 -> 670.0	29972	1.2500	µg/L		-37.926
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.40%			
13C8-PFOSA	8.780	506.0 -> 78.0	29959	2.5000	µg/L		-18.945
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.70%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60295	25.0000	µg/L		-52.011
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 54.44%			
2H3-N-MeFOSA	9.979	515.0 -> 219.0	7829	2.5000	µg/L		-24.494
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 85.39%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50244	25.0000	µg/L		-20.887
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 89.65%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8366	2.5000	µg/L		-25.566
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.39%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	4782	0.3065	µg/L		100
PFMPA	3.602	229.0 -> 85.0	29	0.0567	µg/L		100
3-3 FTCA	3.742	241.0 -> 177.0	9	0.0000	µg/L	#	27
PFPeA	4.223	263.0 -> 219.0	3088	0.1180	µg/L		100
PFMBA	4.453	279.0 -> 85.0	24	0.0347	µg/L		100
4-2 FTSA	4.674	327.0 -> 307.0	32	0.0019	µg/L		41
NFDHA	4.716	295.0 -> 201.0	12	0.0115	µg/L		48
PFHxA	4.892	313.0 -> 269.0	4408	0.0901	µg/L		97
PFBS	4.930	298.9 -> 80.0	2124	0.1052	µg/L		88
HFPO-DA	5.098	285.0 -> 169.0	63	0.0047	µg/L		33
PFEESA	5.189	314.9 -> 135.0	45	0.0522	µg/L		80
PFHpA	5.398	363.0 -> 319.0	776	0.0332	µg/L		97
5-3 FTCA	5.458	341.0 -> 237.0	27	0.1838	µg/L		4
PFPeS	5.494	348.9 -> 80.0	639	0.0418	µg/L		87
DONA	5.539	377.0 -> 251.0	22	0.0677	µg/L	#	1
6-2 FTSA	5.642	427.0 -> 407.0	519	0.1568	µg/L		85
PFOA	5.824	413.0 -> 369.0	1082	0.0539	µg/L		96
PFHxS	5.957	398.9 -> 80.0	3021	0.2739	µg/L		96
PFNA	6.214	463.0 -> 419.0	158	0.0099	µg/L		62
PFHpS	6.215	448.9 -> 80.0	47	0.0056	µg/L	#	73
8-2 FTSA	6.412	527.0 -> 507.0	16	0.0756	µg/L	#	84
7-3 FTCA	6.203	441.0 -> 317.0	49	0.2612	µg/L	#	68
PFDA	6.592	513.0 -> 469.0	148	0.0001	µg/L		68
N-MeFOSAA	6.742	570.0 -> 419.0	54	0.0147	µg/L		33
PFOS	6.772	498.9 -> 80.0	370	0.0766	µg/L	#	78
N-EtFOSAA	6.894	584.0 -> 419.0	27	0.0150	µg/L		24
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	6.993	530.9 -> 350.9	29	0.0656	µg/L		44
PFNS	7.040	548.9 -> 80.0	47	0.0068	µg/L		26
PFDoDA	7.356	613.0 -> 569.0	93	0.0035	µg/L		65
PFDS	7.513	598.9 -> 80.0	13	0.0025	µg/L	#	1
PFTrDA	7.989	663.0 -> 619.0	50	0.0020	µg/L		72

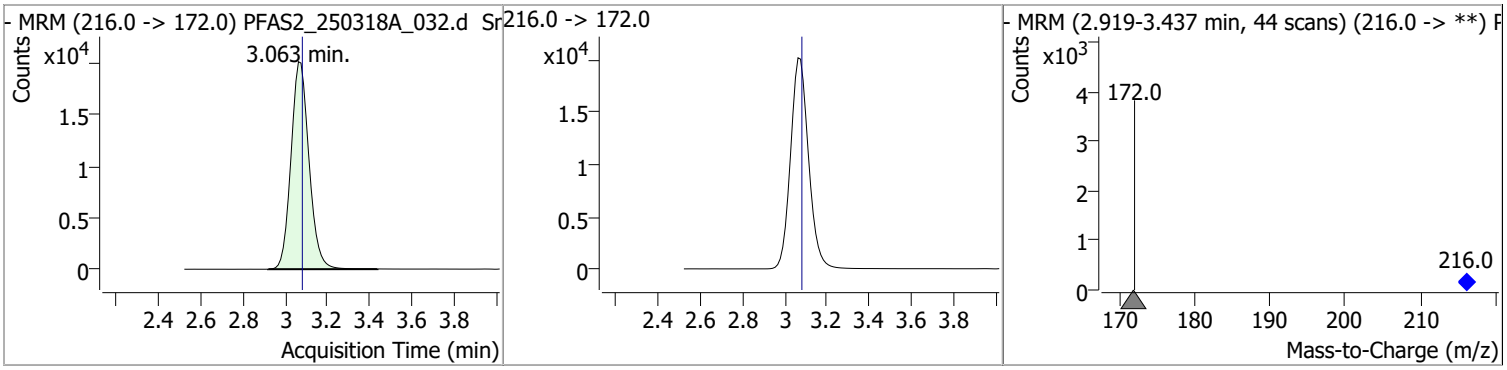
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.775	630.9 -> 450.9	47	0.0023	µg/L		94
PFTDA	8.081	712.9 -> 669.0	34	0.0075	µg/L		99
PFDoS	8.240	698.9 -> 80.0	8	0.0022	µg/L		89
PFOSA	8.771	497.9 -> 78.0	45	0.0043	µg/L	#	85
MeFOSE	9.878	616.0 -> 59.0	48	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0002	µg/L	#	1
EtFOSE	10.210	630.0 -> 59.0	46	0.0347	µg/L		100
N-EtFOSA	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

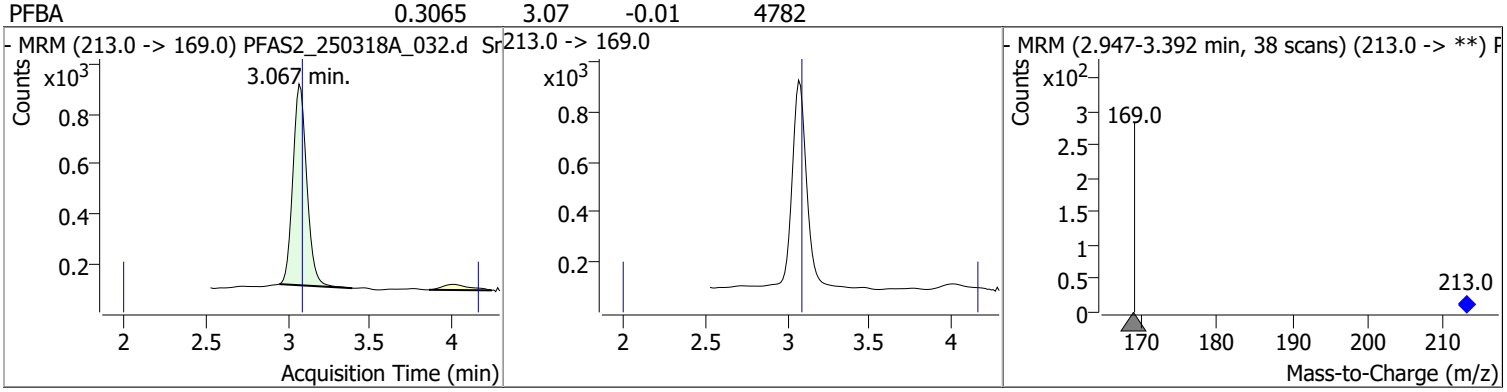
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	8.9509	3.07	0.00	241672				



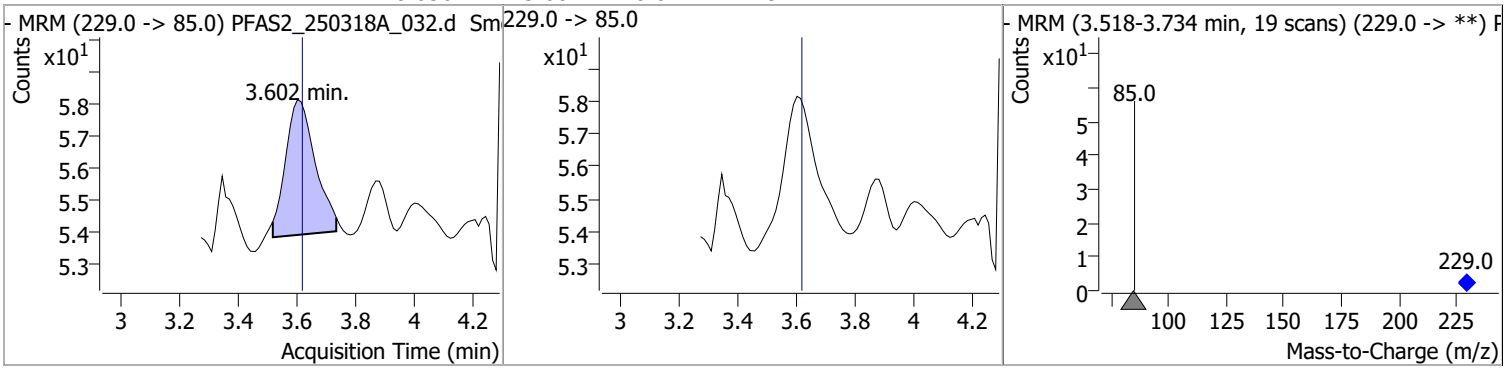
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	118812				



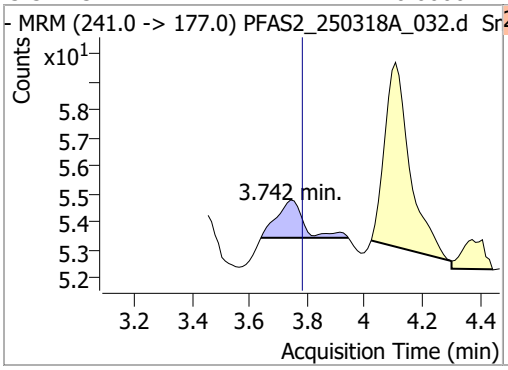
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.3065	3.07	-0.01	4782				

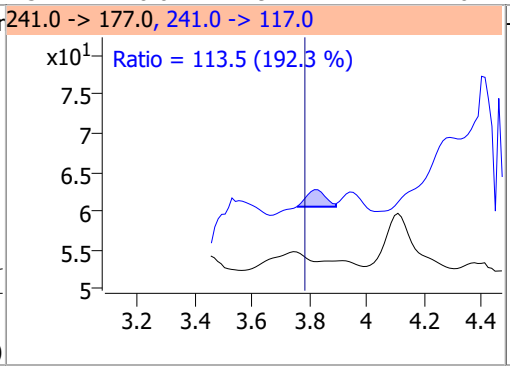


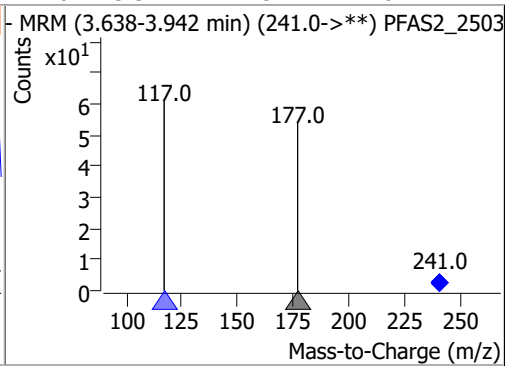
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0567	3.60	-0.01	29				



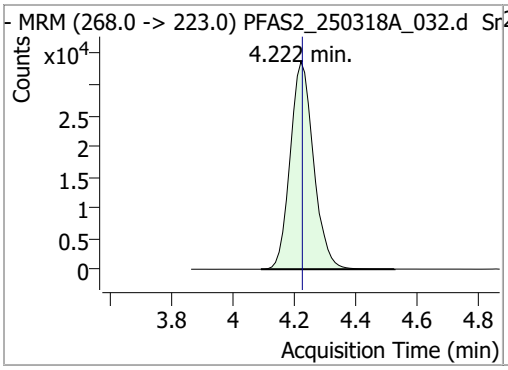
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.74	-0.04	9	241.0 -> 117.0	113.5	41.3	76.7

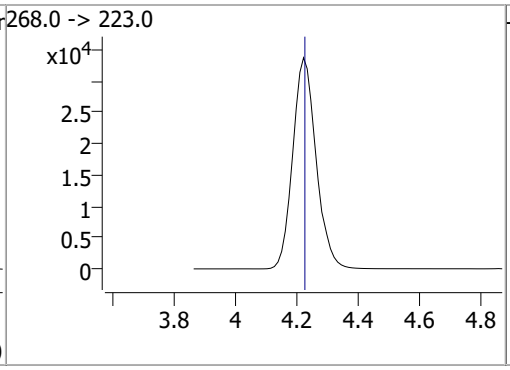


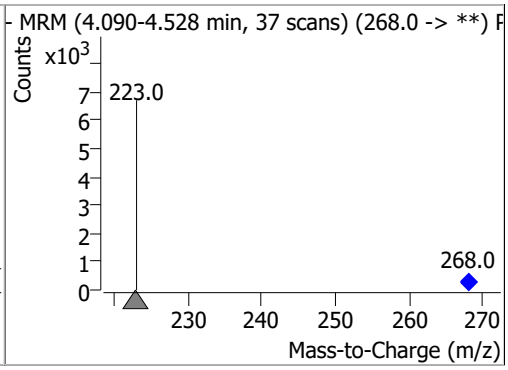




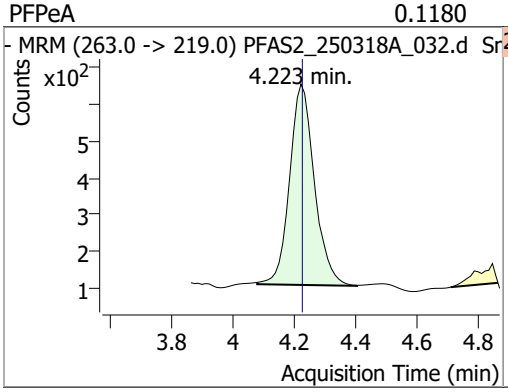
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9533	4.22	0.00	178595				

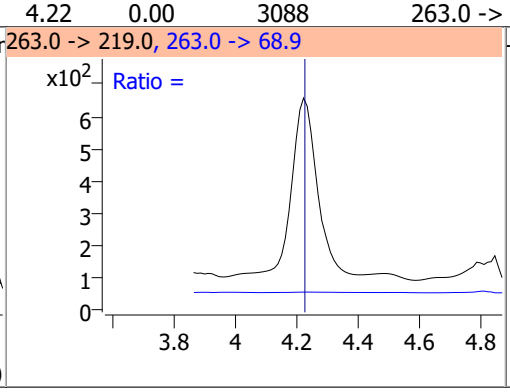


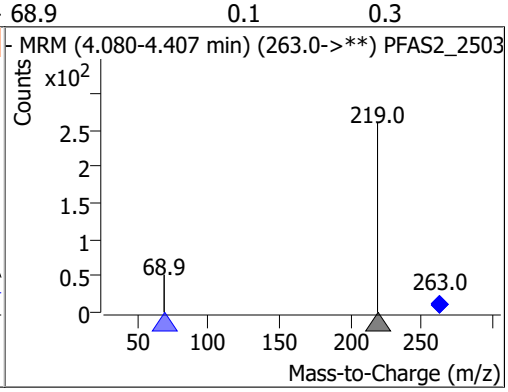




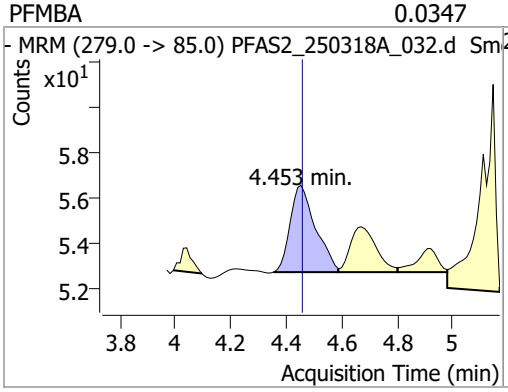
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.1180	4.22	0.00	3088	263.0 -> 68.9		0.1	0.3

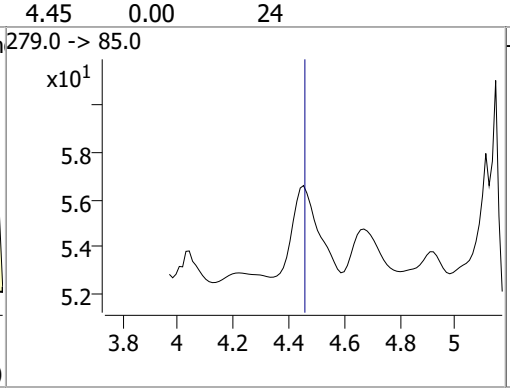


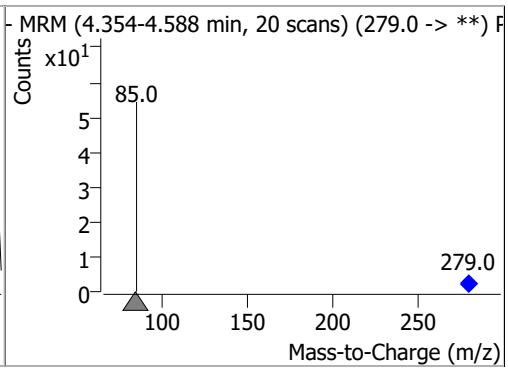




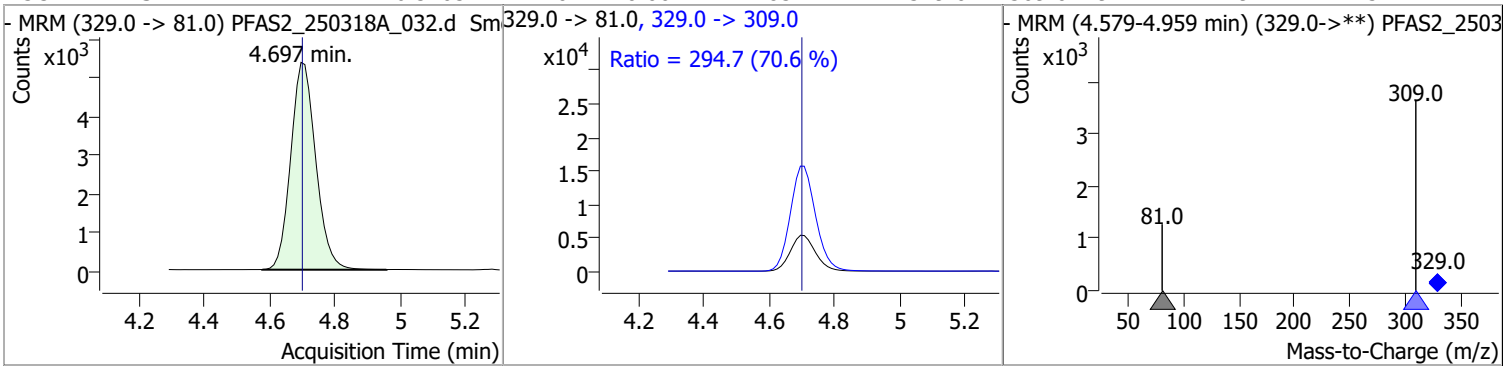
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0347	4.45	0.00	24				



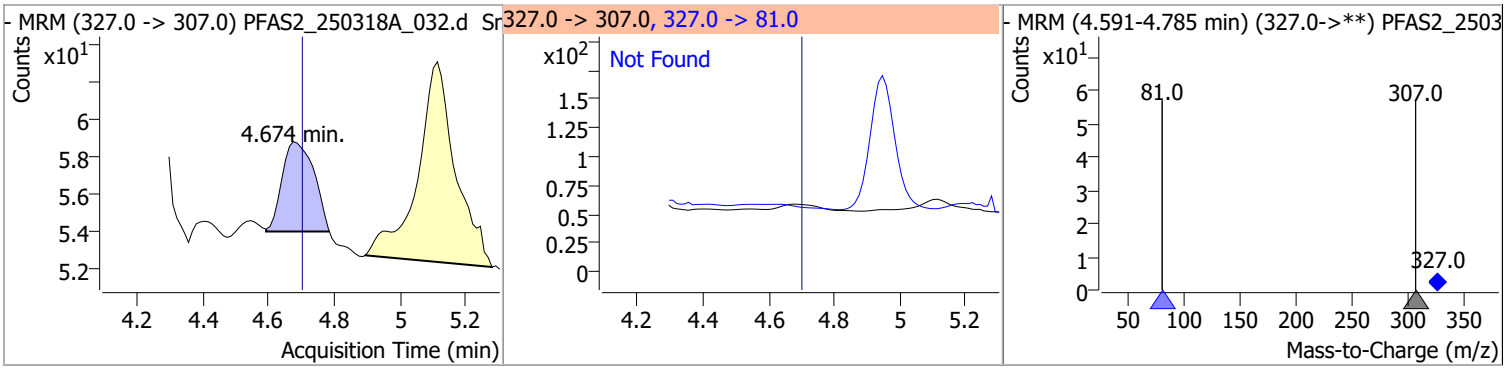




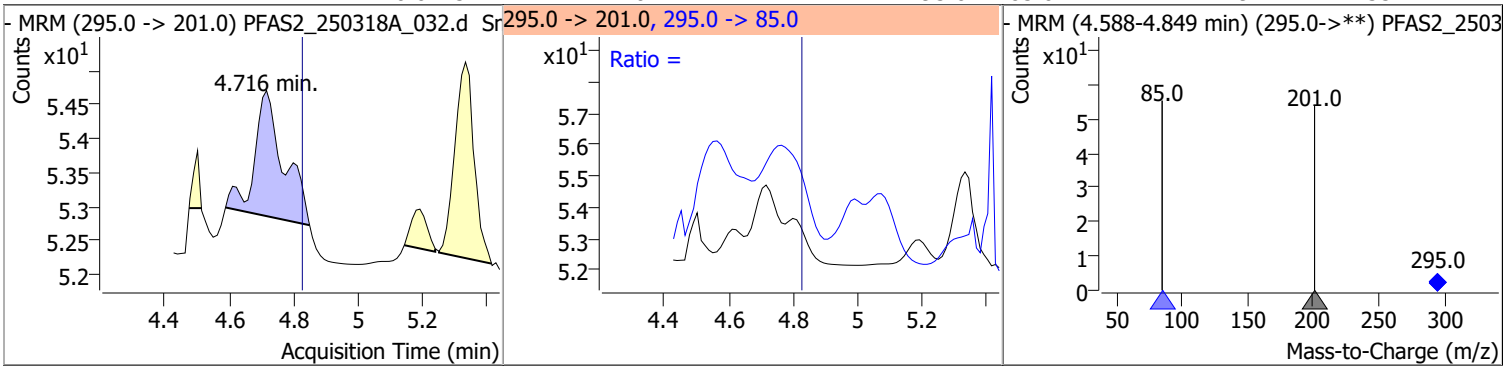
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5705	4.70	0.00	28524	329.0 -> 309.0	294.7	292.1	542.4



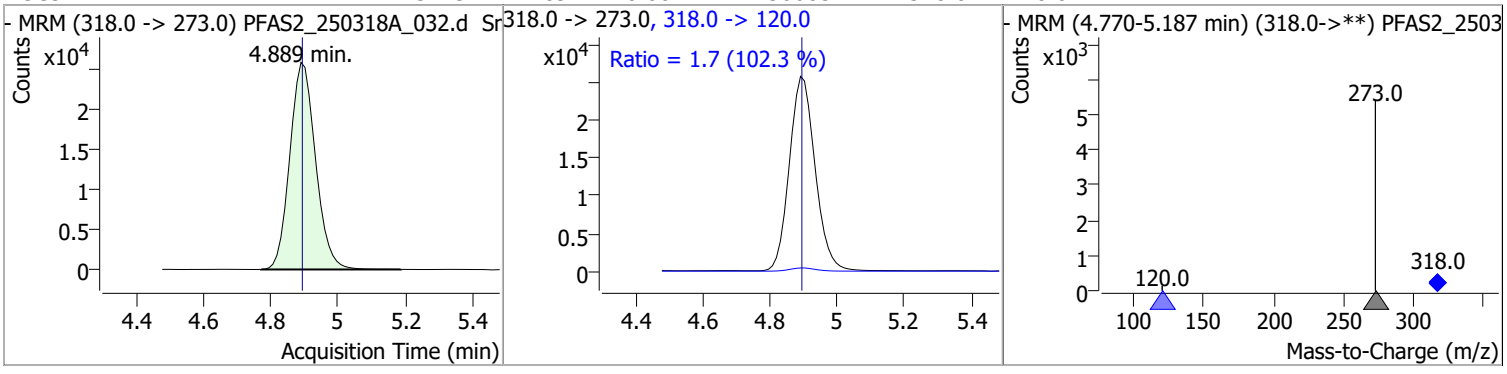
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0019	4.67	-0.02	32	327.0 -> 81.0		23.6	43.9



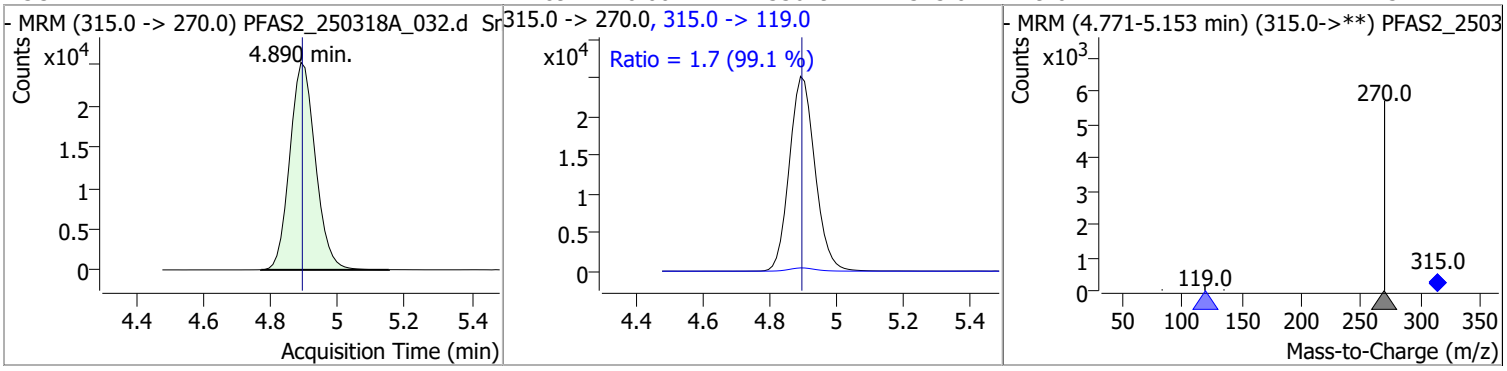
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0115	4.72	-0.11	12	295.0 -> 85.0		19.1	35.4



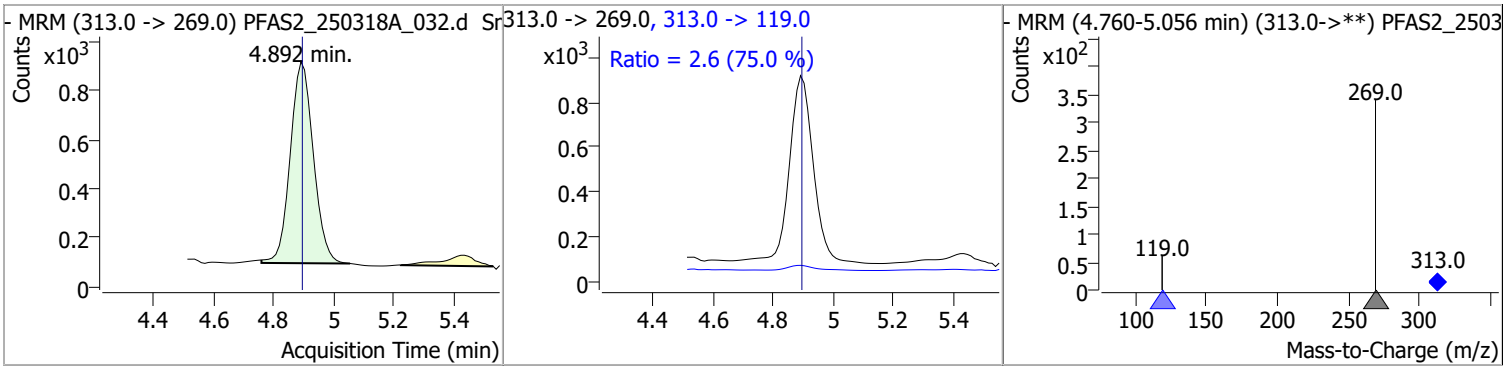
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3223	4.89	0.00	136685	318.0 -> 120.0	1.7	1.1	2.1



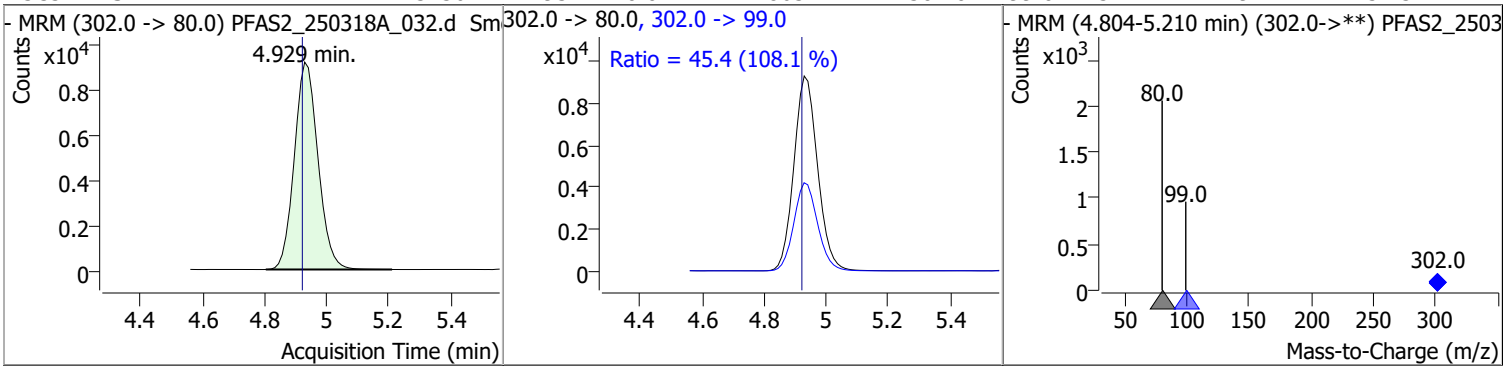
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	133679	315.0 -> 119.0	1.7	1.2	2.3



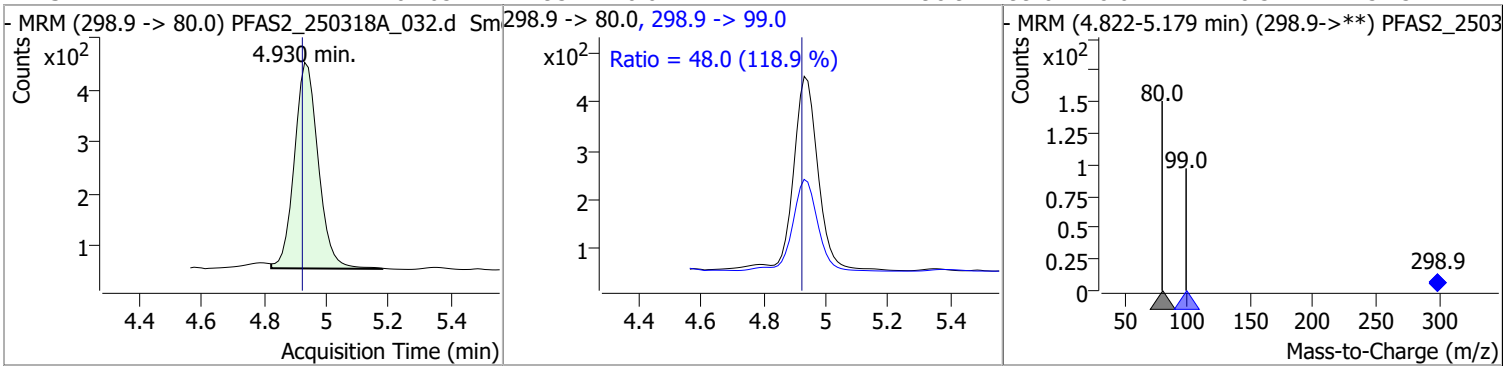
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0901	4.89	0.00	4408	313.0 -> 119.0	2.6	2.4	4.5



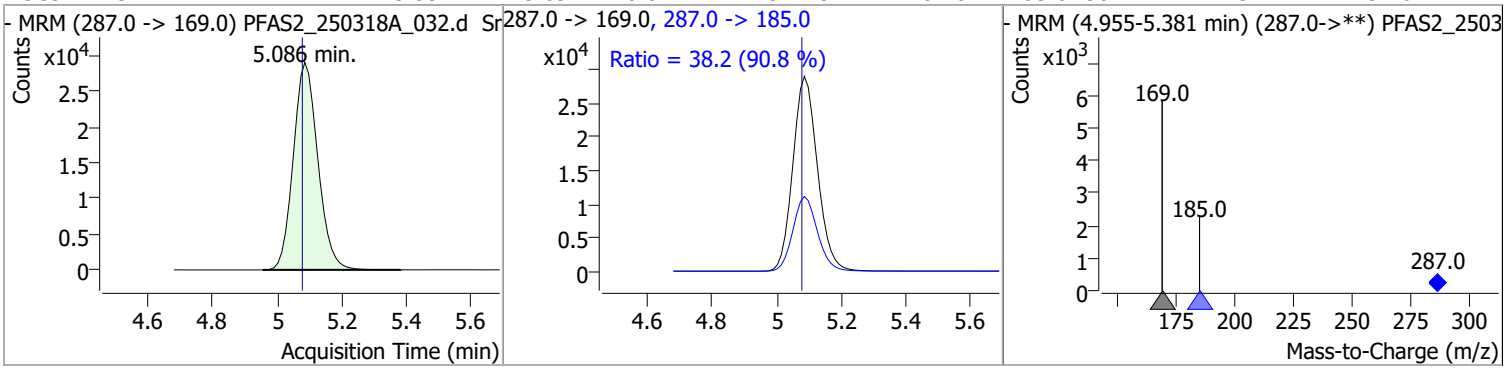
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3236	4.93	0.01	48634	302.0 -> 99.0	45.4	29.4	54.5



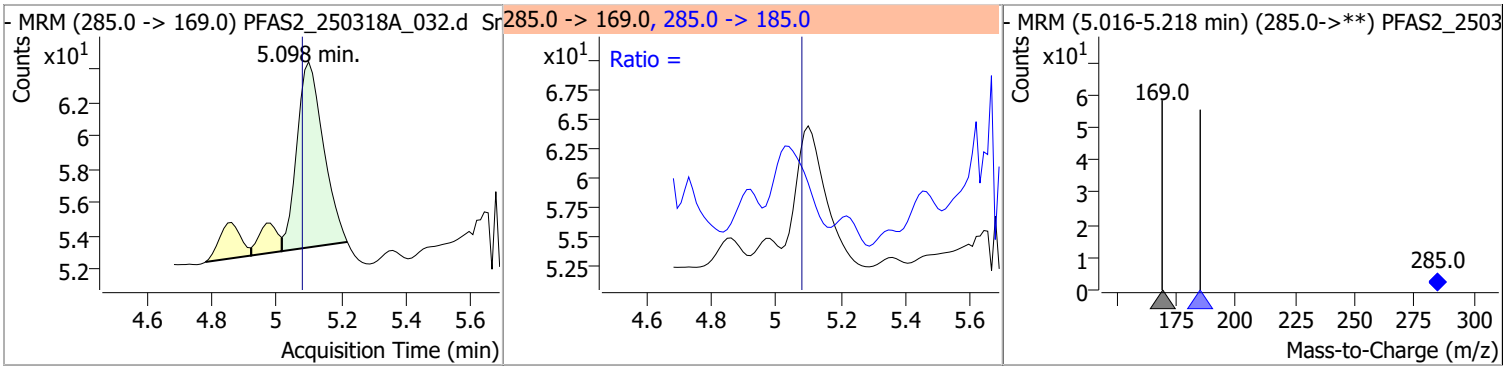
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1052	4.93	0.01	2124	298.9 -> 99.0	48.0	28.3	52.5



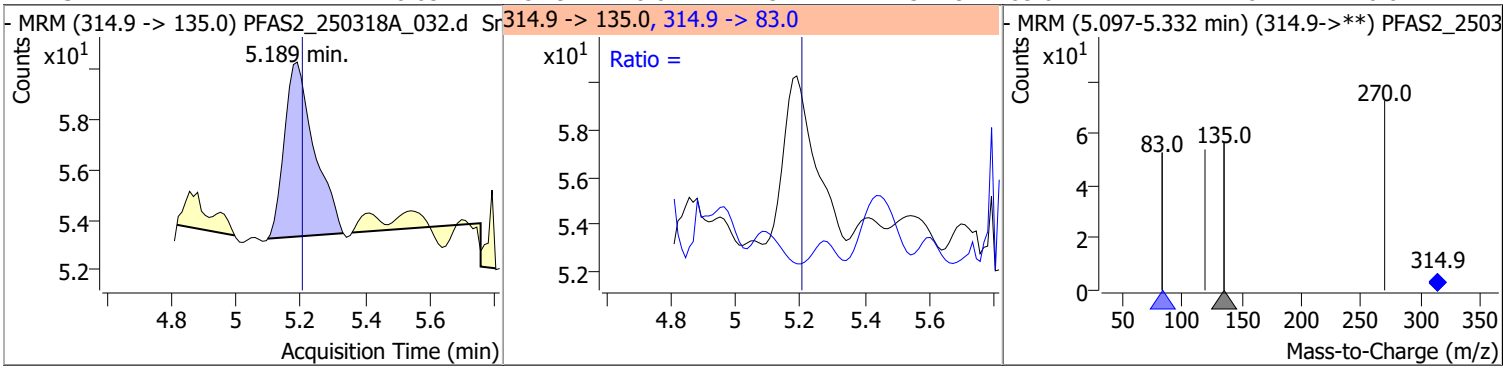
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9911	5.09	0.01	152149	287.0 -> 185.0	38.2	29.4	54.6



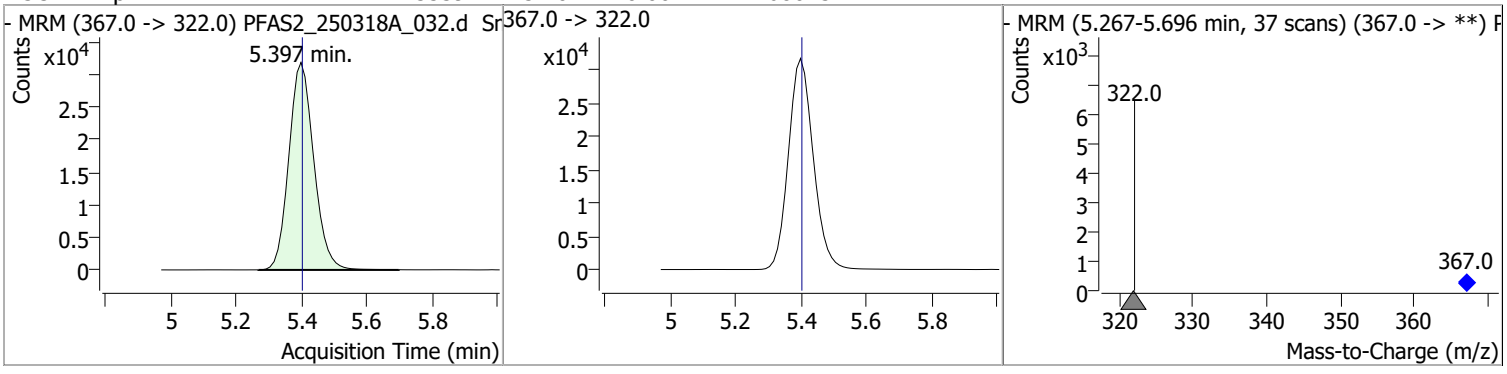
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0047	5.10	0.02	63	285.0 -> 185.0		30.1	56.0



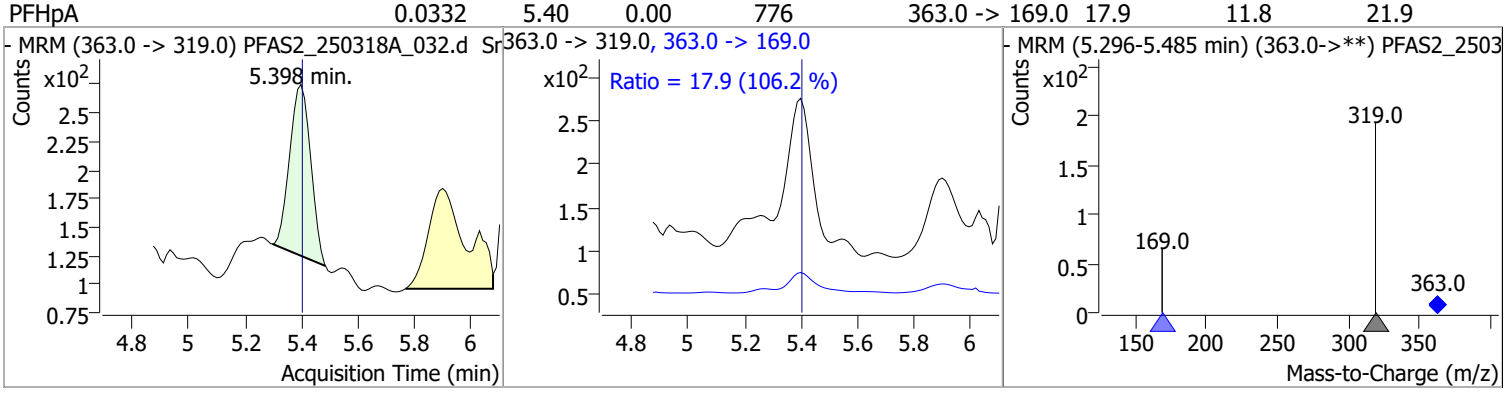
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0522	5.19	-0.01	45	314.9 -> 83.0		4.8	8.8



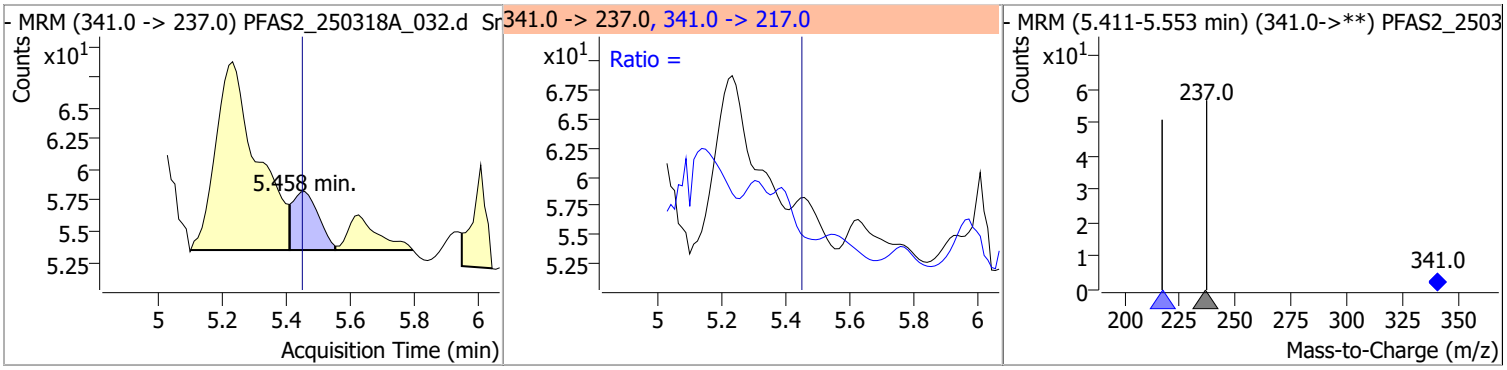
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5539	5.40	0.00	168075				



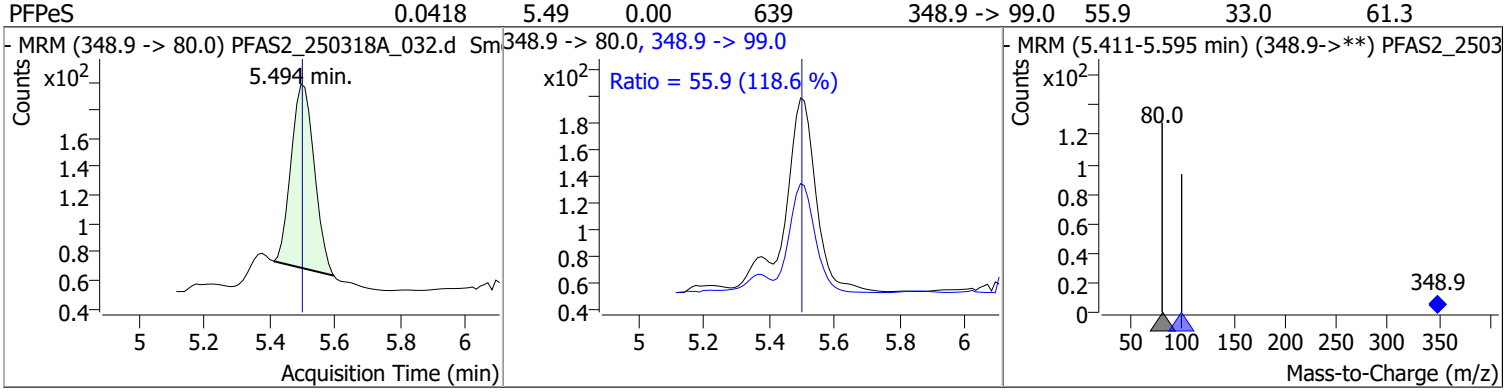
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0332	5.40	0.00	776	363.0 -> 169.0	17.9	11.8	21.9



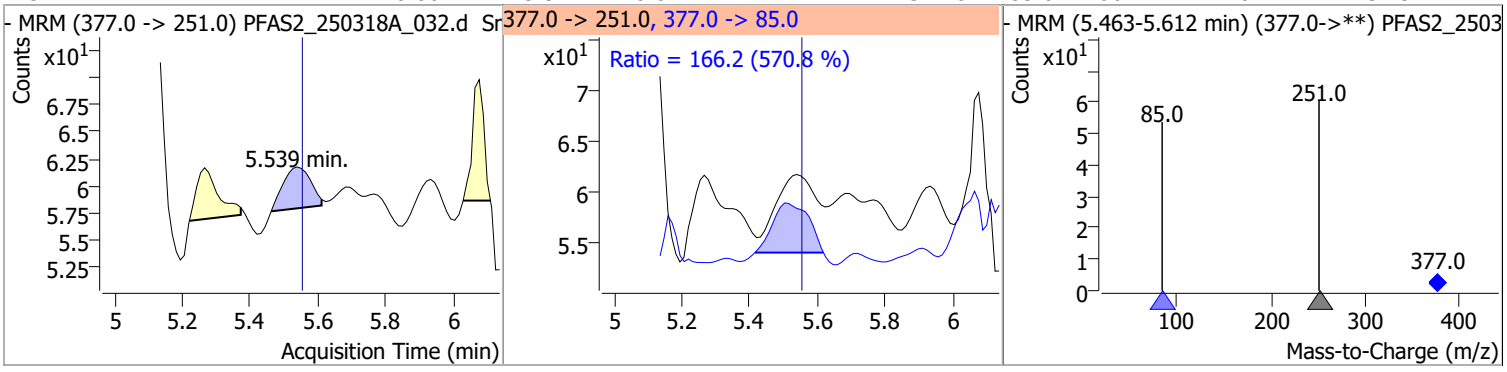
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1838	5.46	0.01	27	341.0 -> 217.0		63.6	118.1



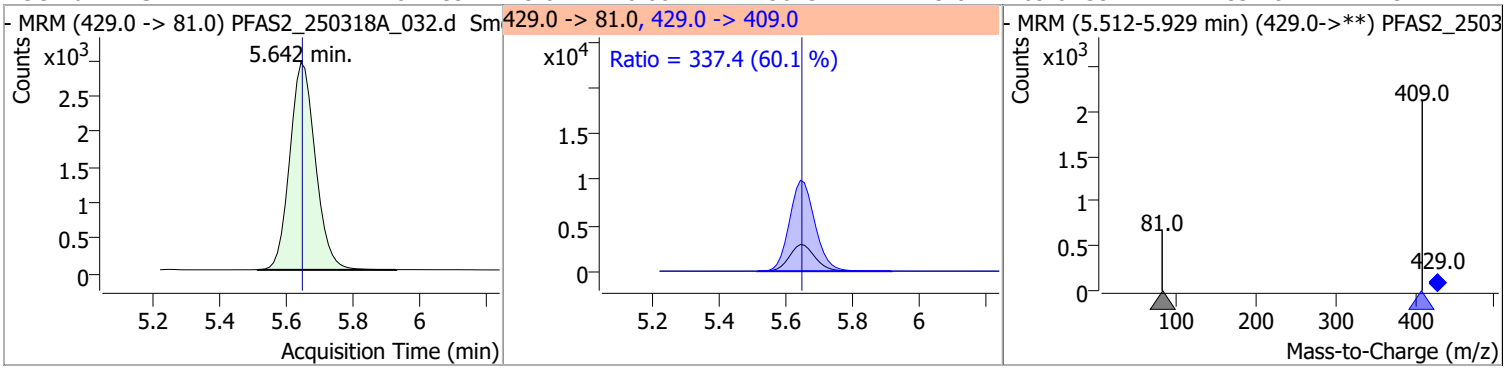
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0418	5.49	0.00	639	348.9 -> 99.0	55.9	33.0	61.3



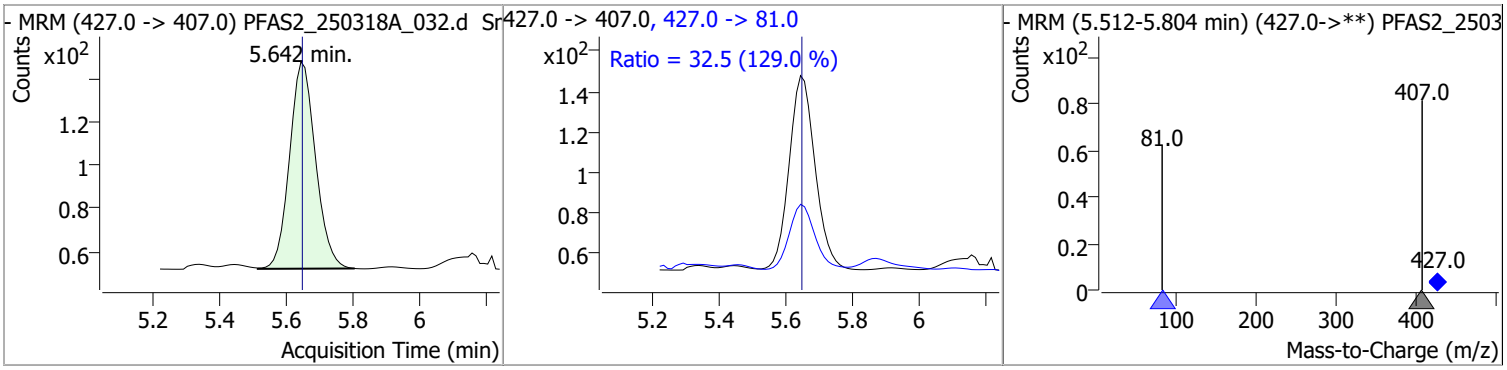
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0677	5.54	-0.01	22	377.0 -> 85.0	166.2	20.4	37.9



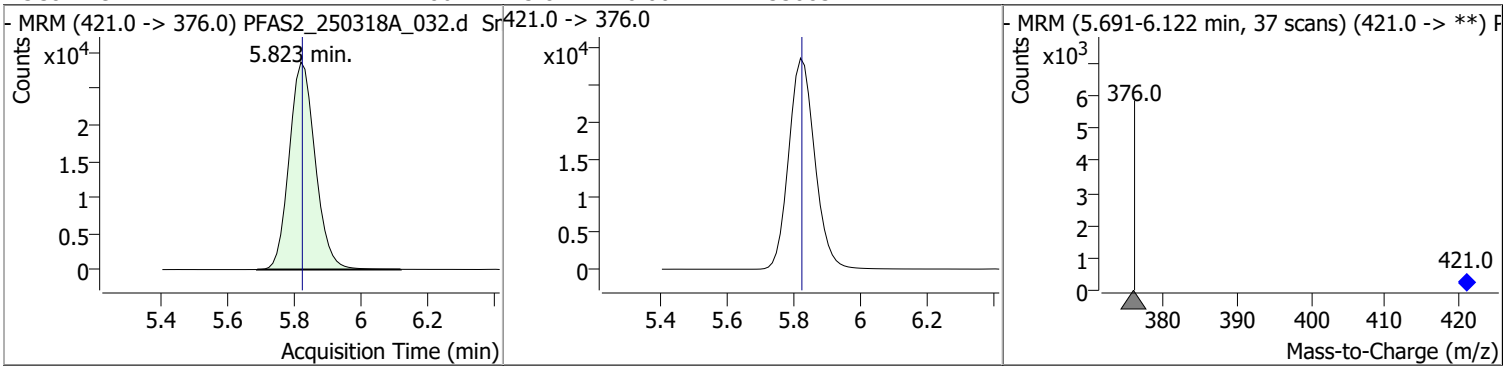
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.1459	5.64	0.00	15643	429.0 -> 409.0	337.4	392.8	729.4



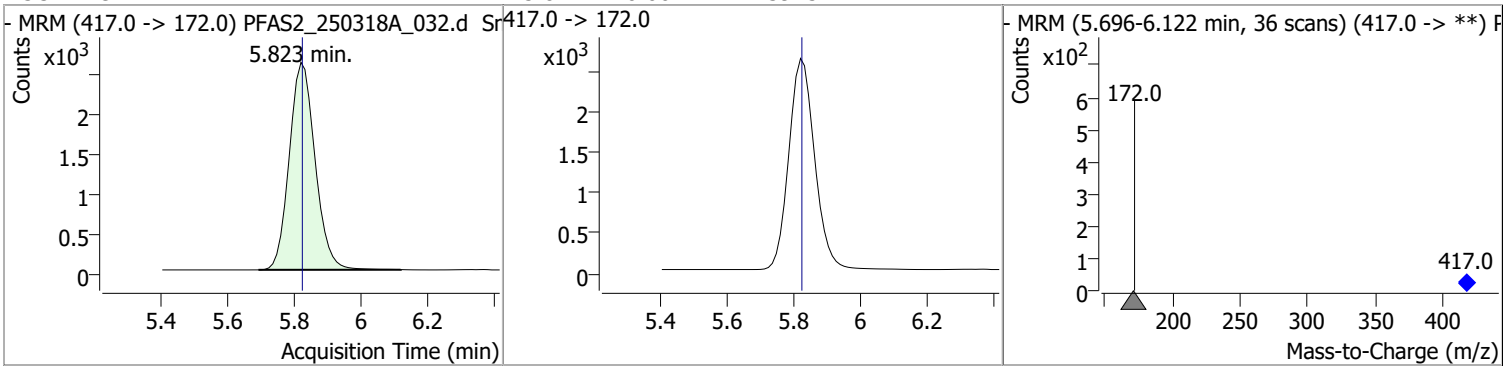
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1568	5.64	0.00	519	427.0 -> 81.0	32.5	17.7	32.8



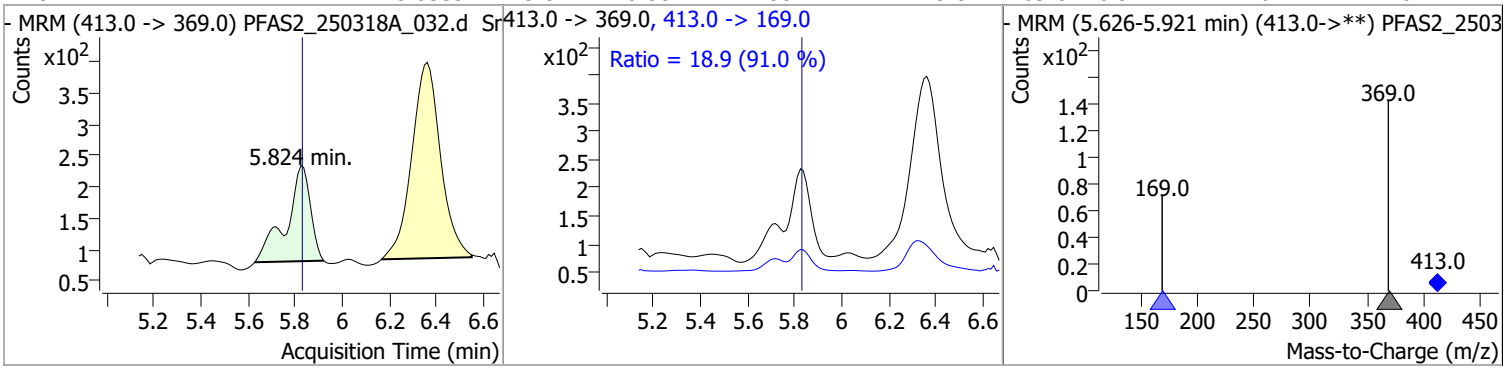
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4867	5.82	0.00	155083				



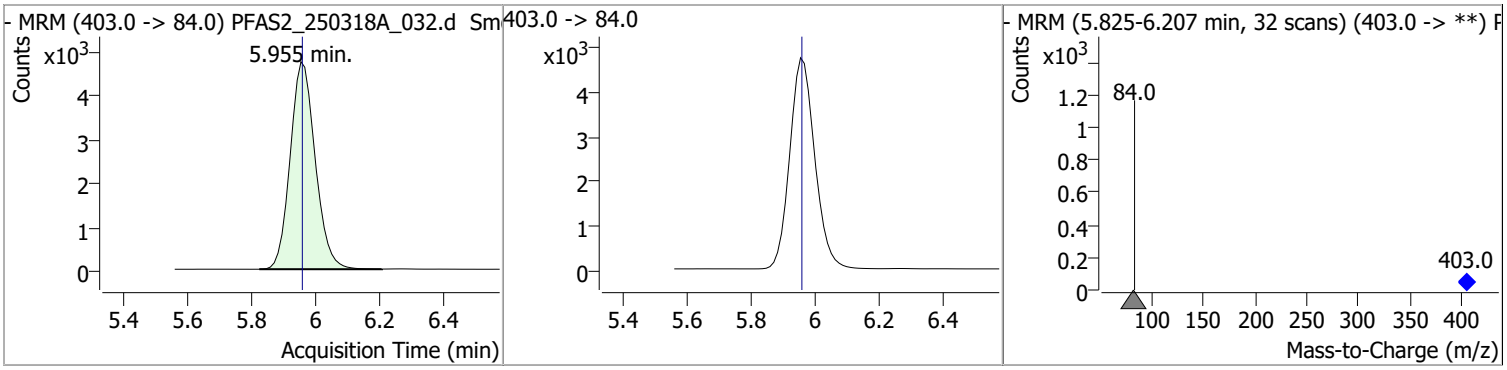
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13945				



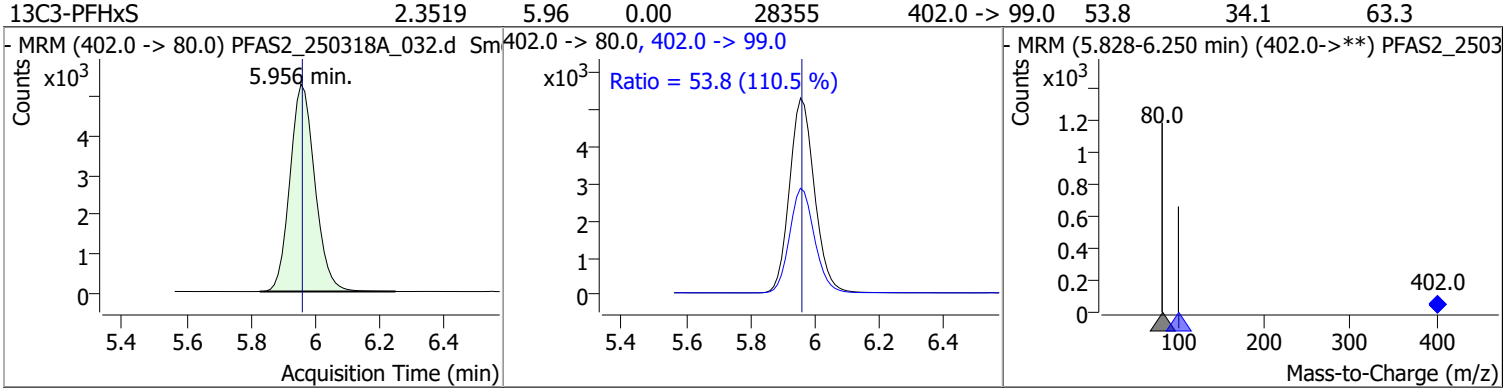
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0539	5.82	0.00	1082	413.0 -> 169.0	18.9	14.6	27.0



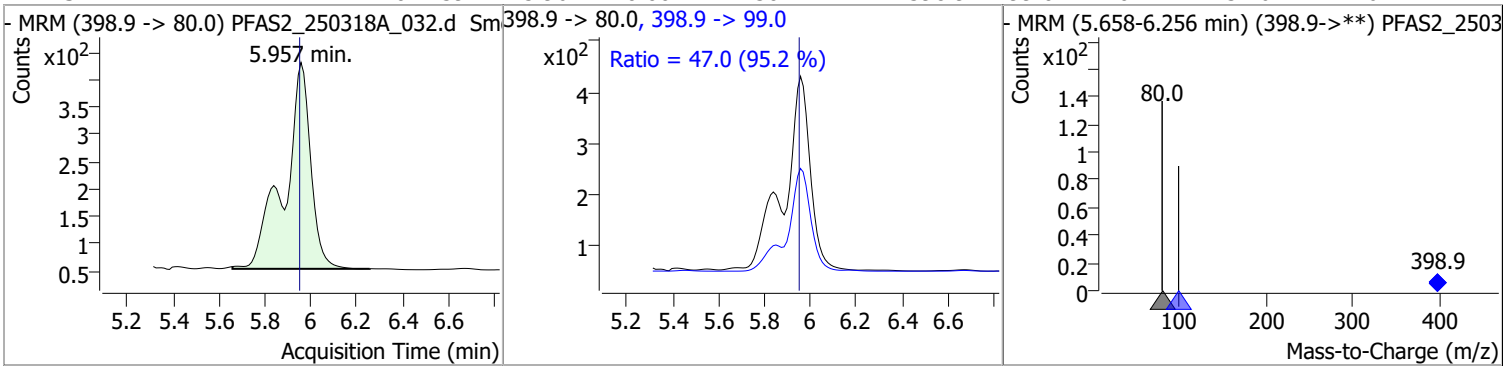
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25560				



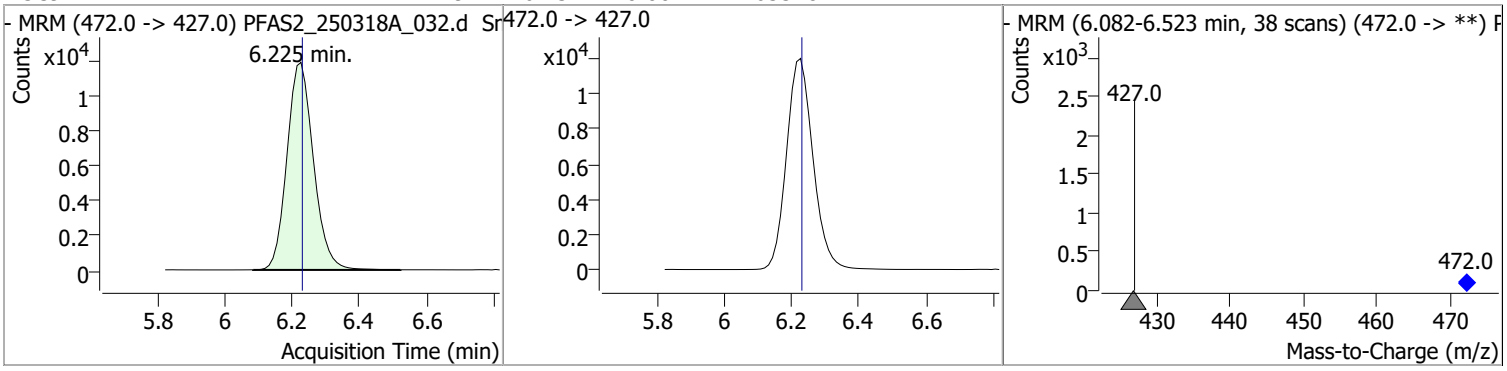
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3519	5.96	0.00	28355	402.0 -> 99.0	53.8	34.1	63.3



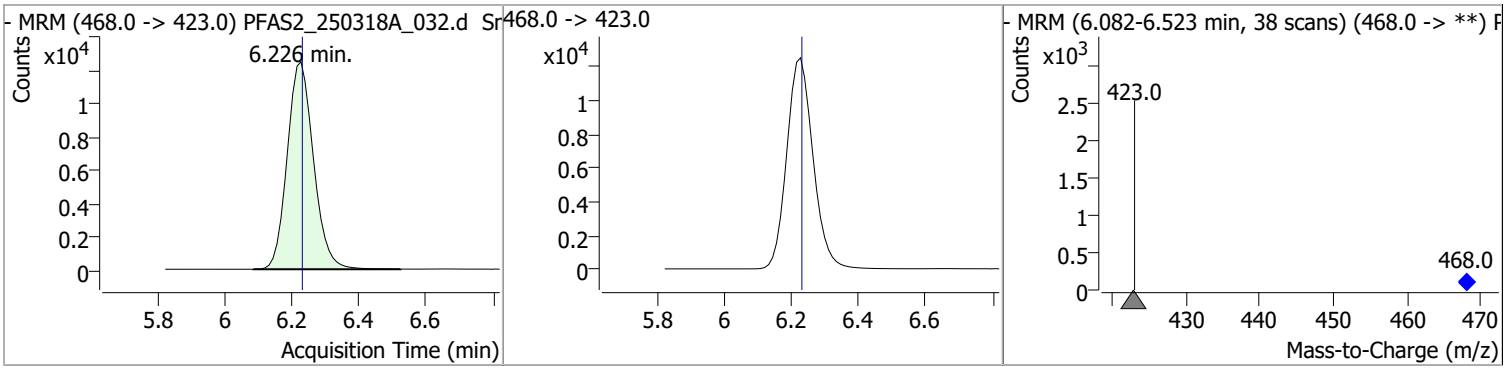
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2739	5.96	0.00	3021	398.9 -> 99.0	47.0	34.6	64.2



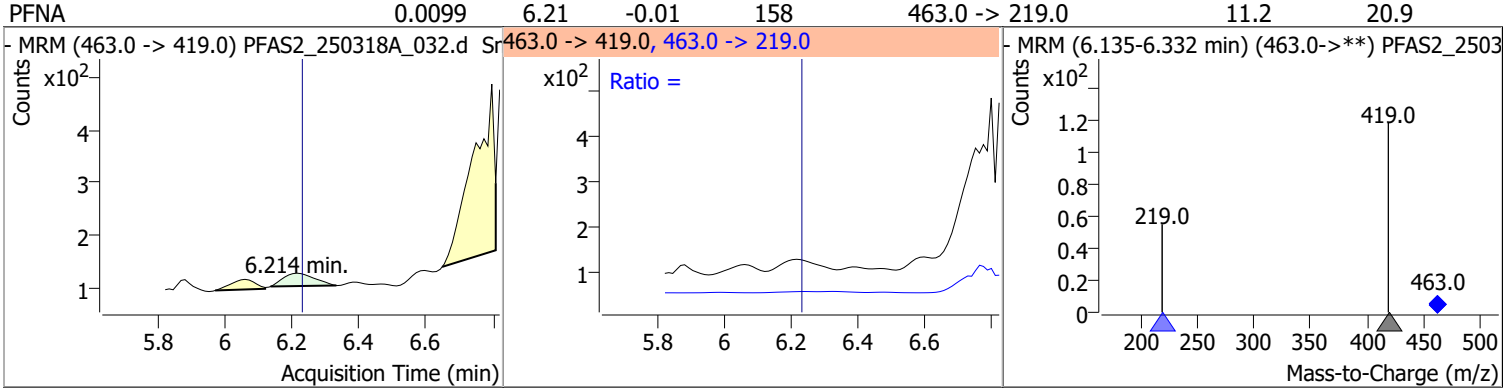
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2149	6.23	0.00	65518				



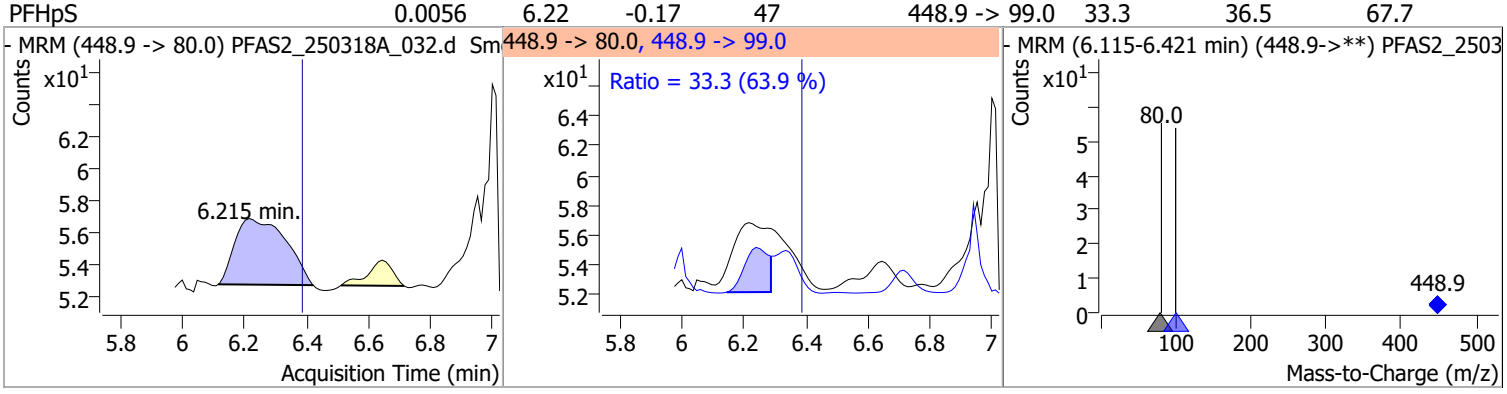
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68055				



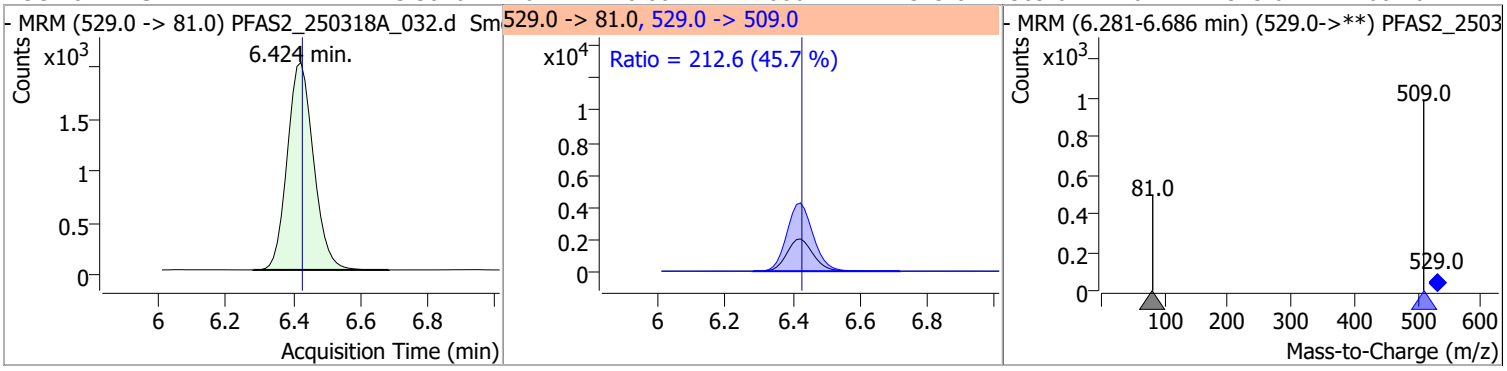
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0099	6.21	-0.01	158	463.0 -> 219.0		11.2	20.9



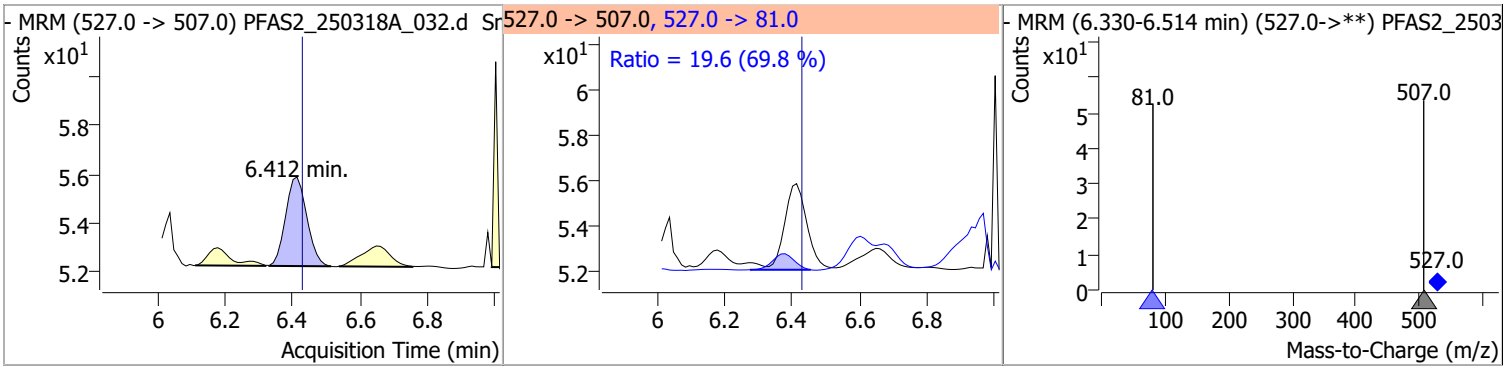
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0056	6.22	-0.17	47	448.9 -> 99.0	33.3	36.5	67.7



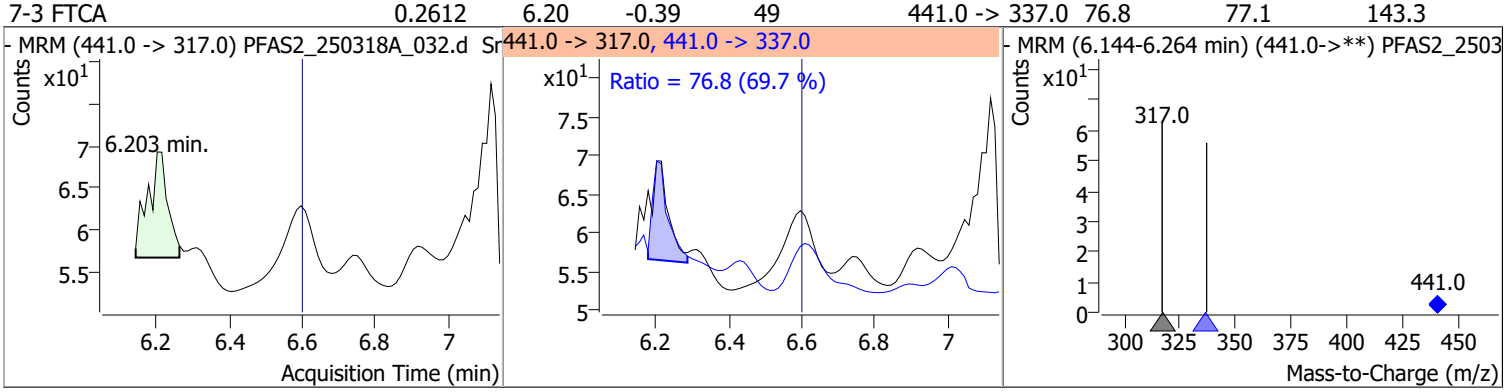
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3076	6.42	0.00	10861	529.0 -> 509.0	212.6	325.6	604.6



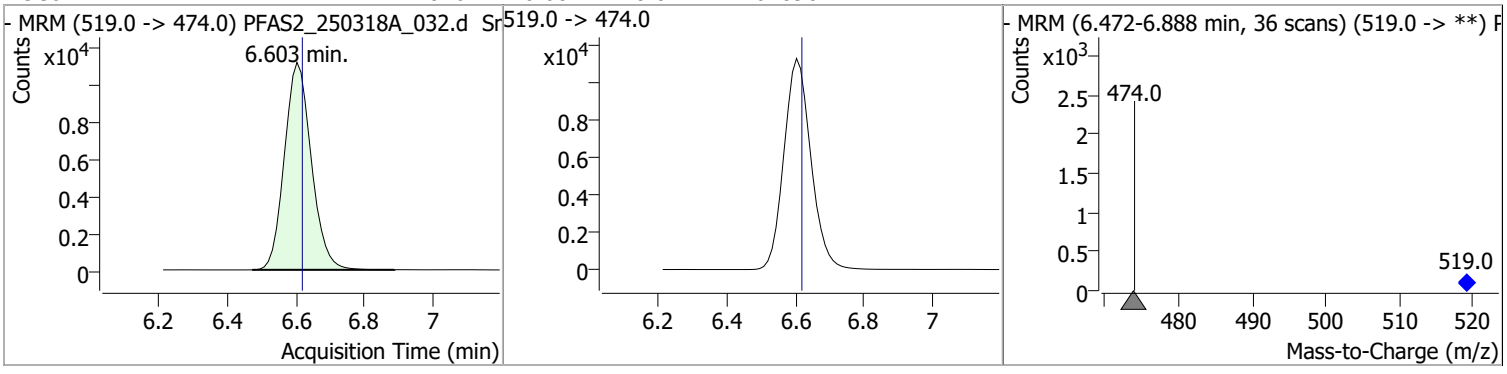
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0756	6.41	-0.01	16	527.0 -> 81.0	19.6	19.7	36.6



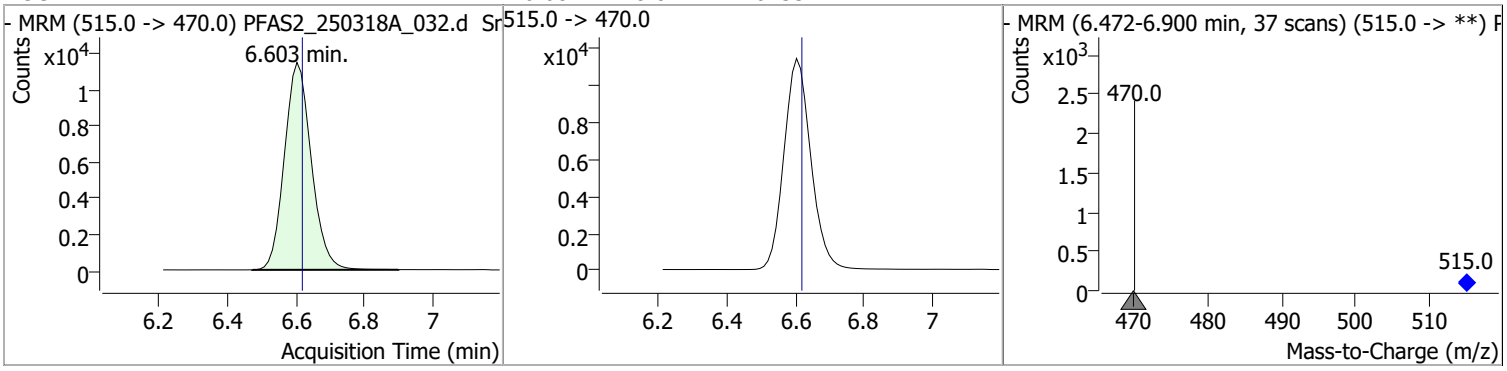
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2612	6.20	-0.39	49	441.0 -> 337.0	76.8	77.1	143.3



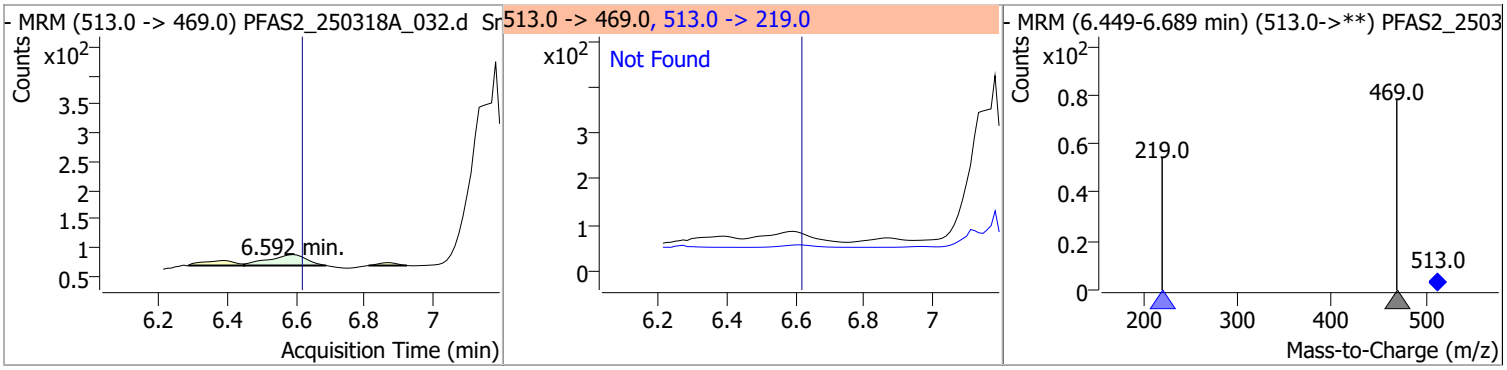
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2046	6.60	-0.01	61098				



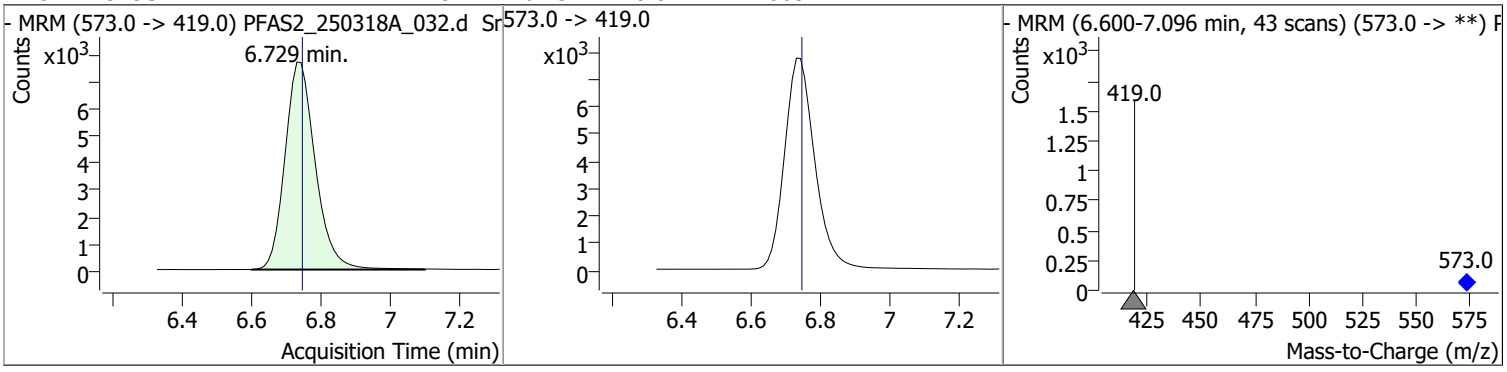
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	62331				



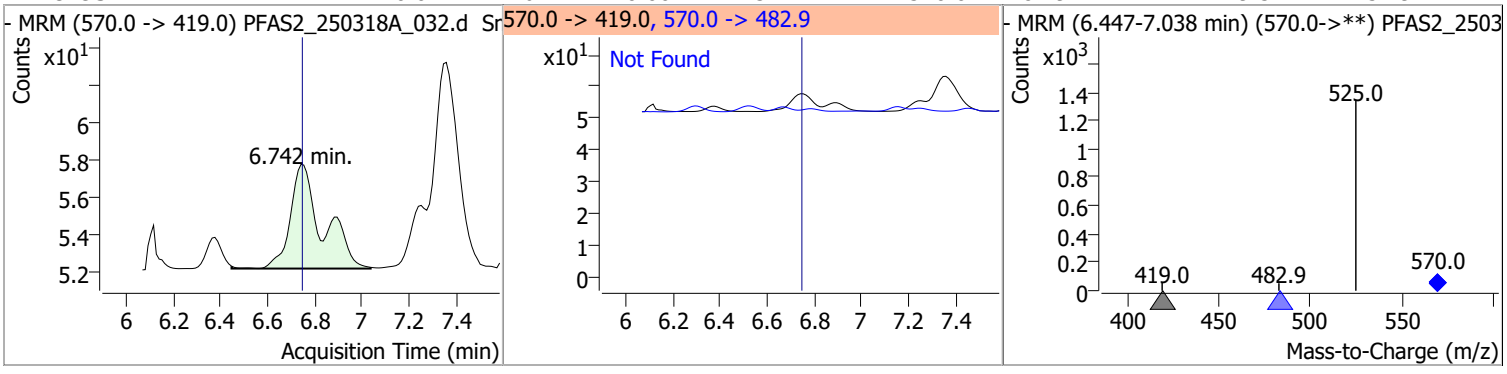
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0001	6.59	-0.02	148	513.0 -> 219.0		8.7	16.2



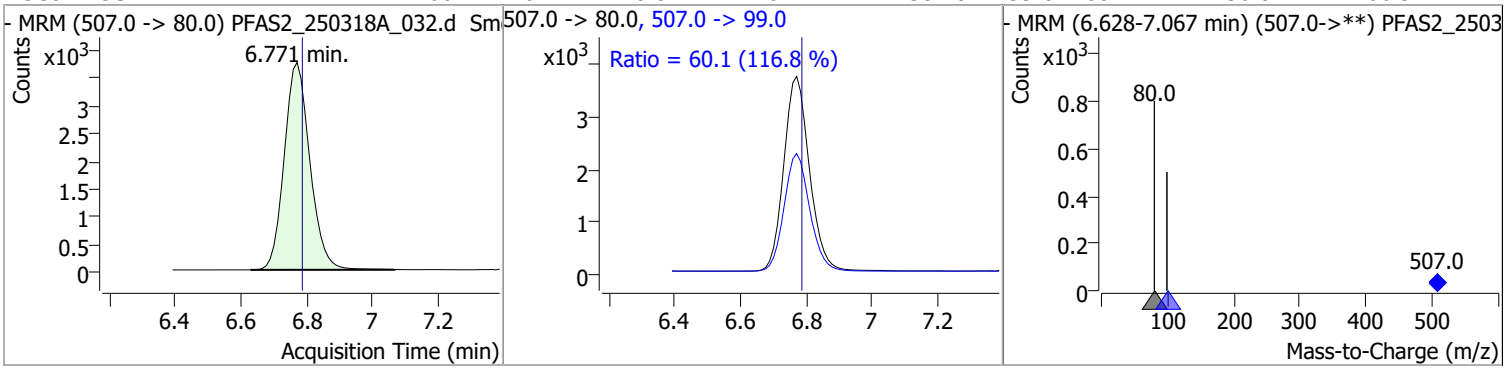
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7297	6.73	-0.01	46632				



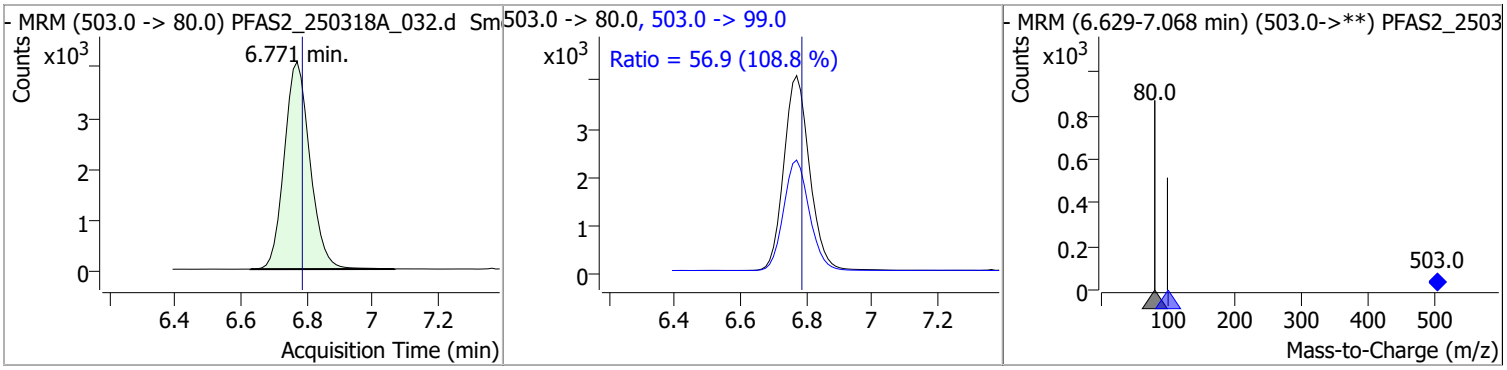
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0147	6.74	0.00	54	570.0 -> 482.9		29.5	54.9



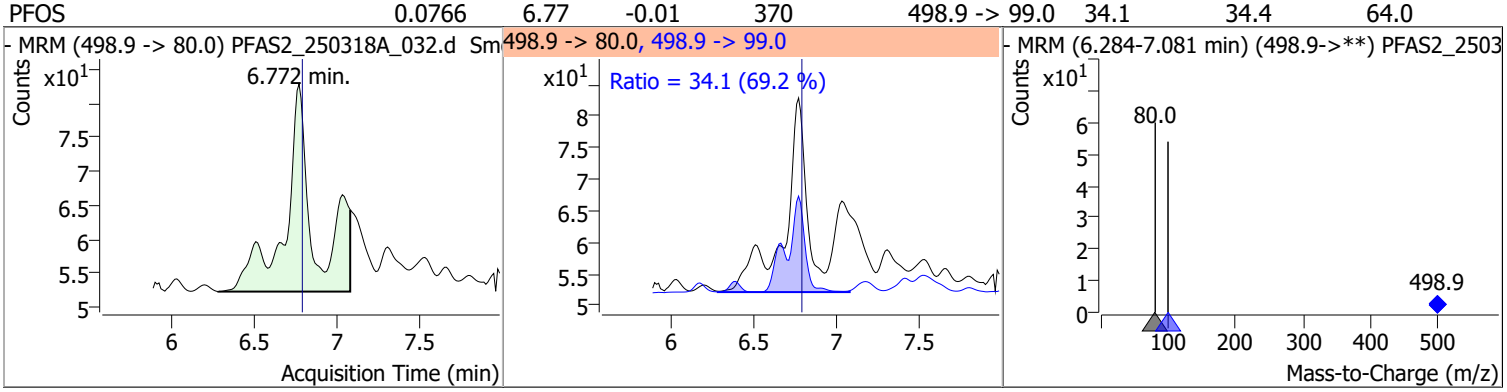
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2664	6.77	-0.01	20211	507.0 -> 99.0	60.1	36.0	66.9



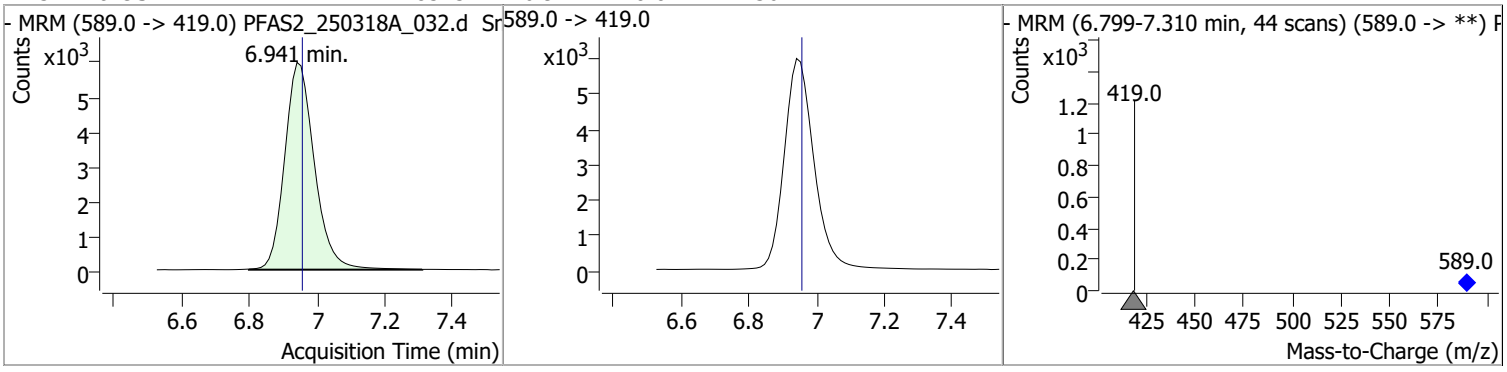
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21973	503.0 -> 99.0	56.9	36.6	67.9



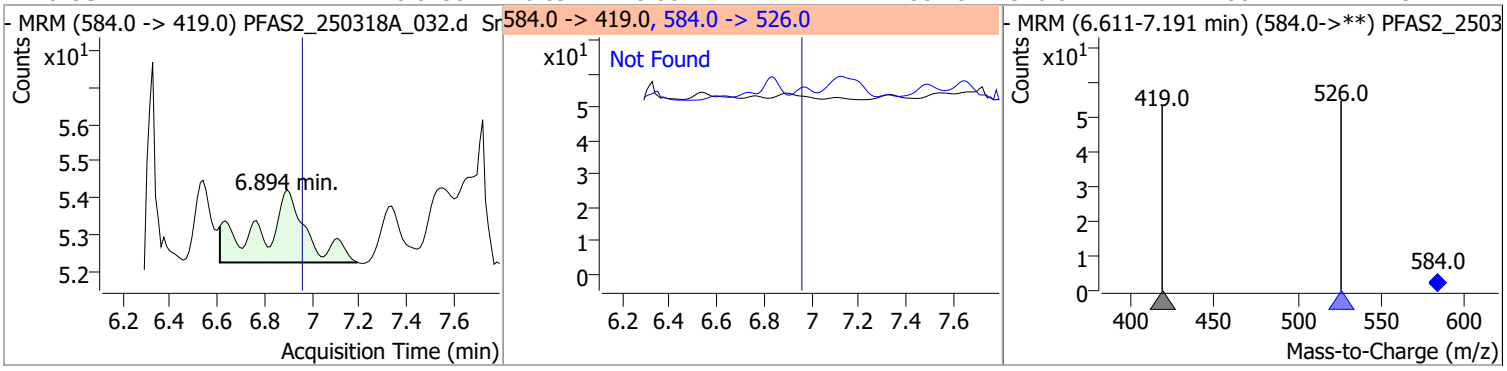
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0766	6.77	-0.01	370	498.9 -> 99.0	34.1	34.4	64.0



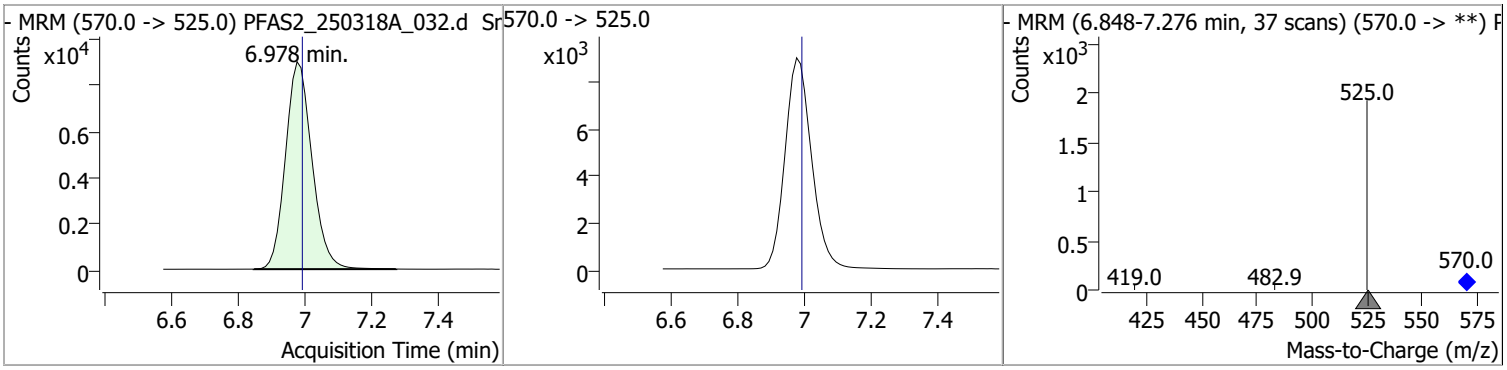
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8515	6.94	-0.01	36112				



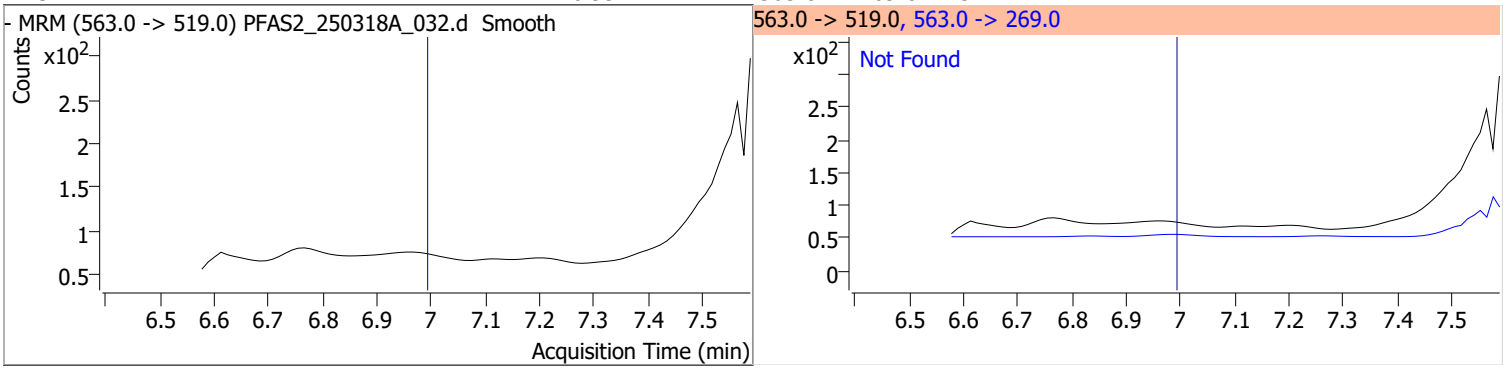
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0150	6.89	-0.06	27	584.0 -> 526.0		38.4	71.3



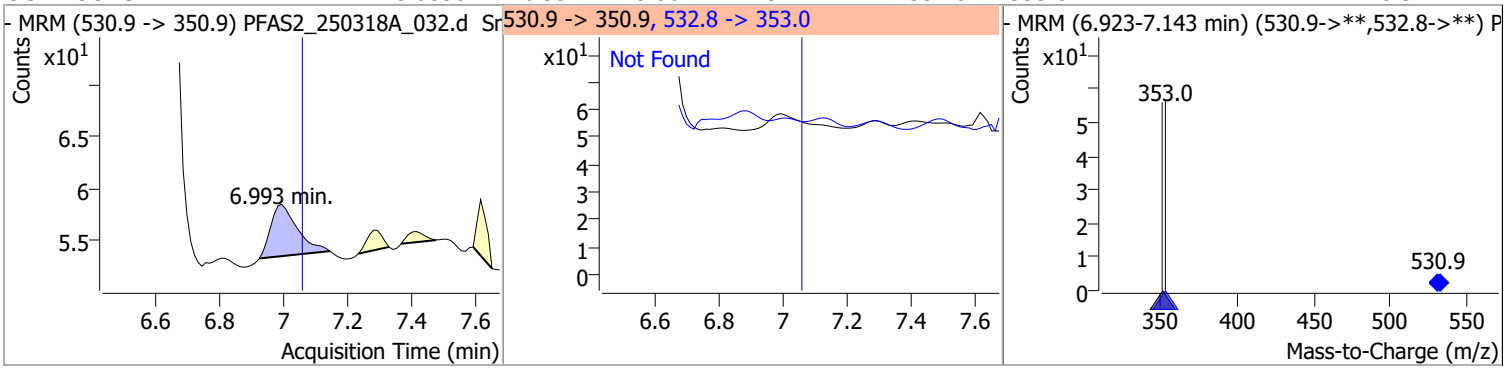
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2389	6.98	-0.01	49525				



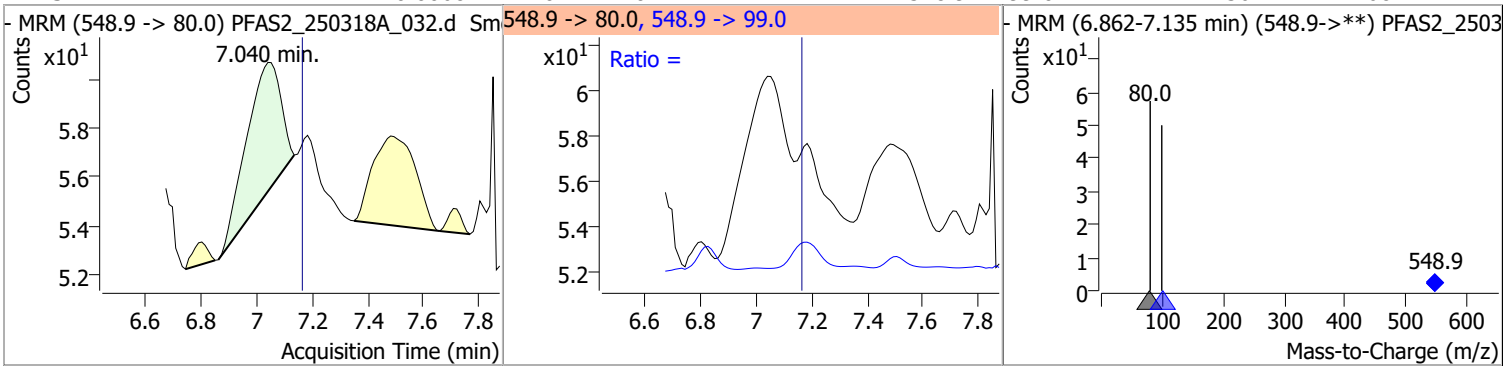
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	6.99	563.0 -> 269.0	15.7



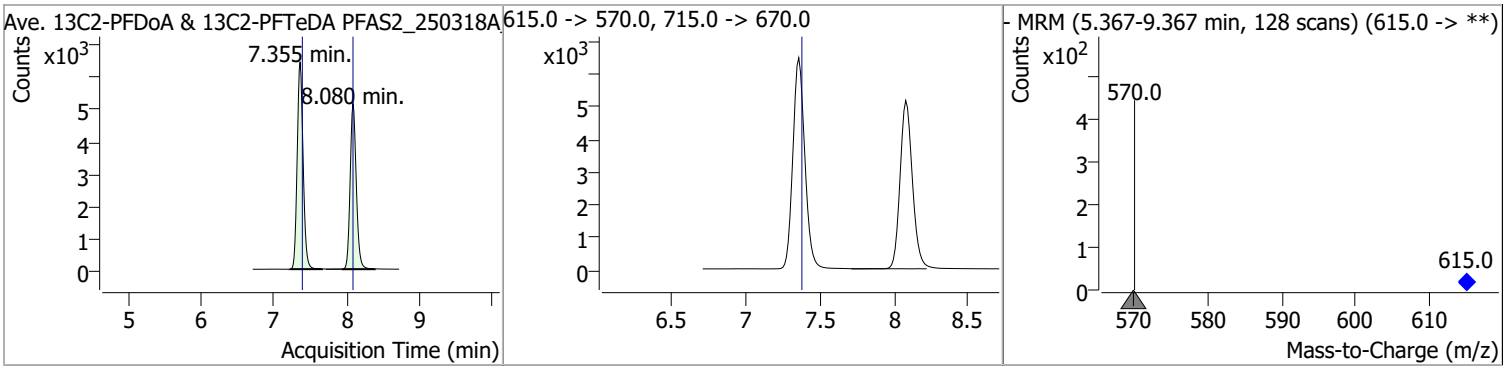
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0656	6.99	-0.06	29	532.8 -> 353.0		21.7	40.3



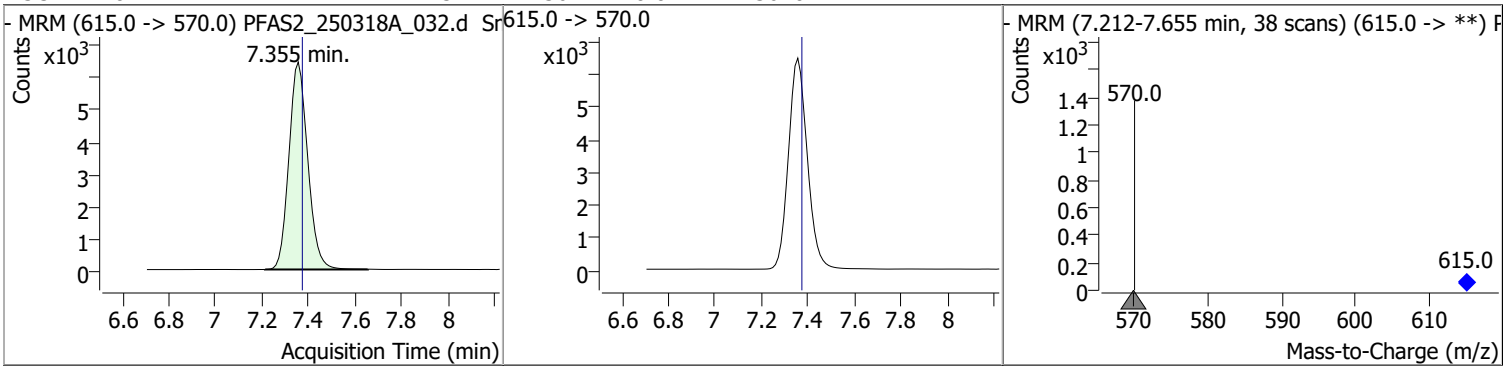
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0068	7.04	-0.12	47	548.9 -> 99.0		36.7	68.1



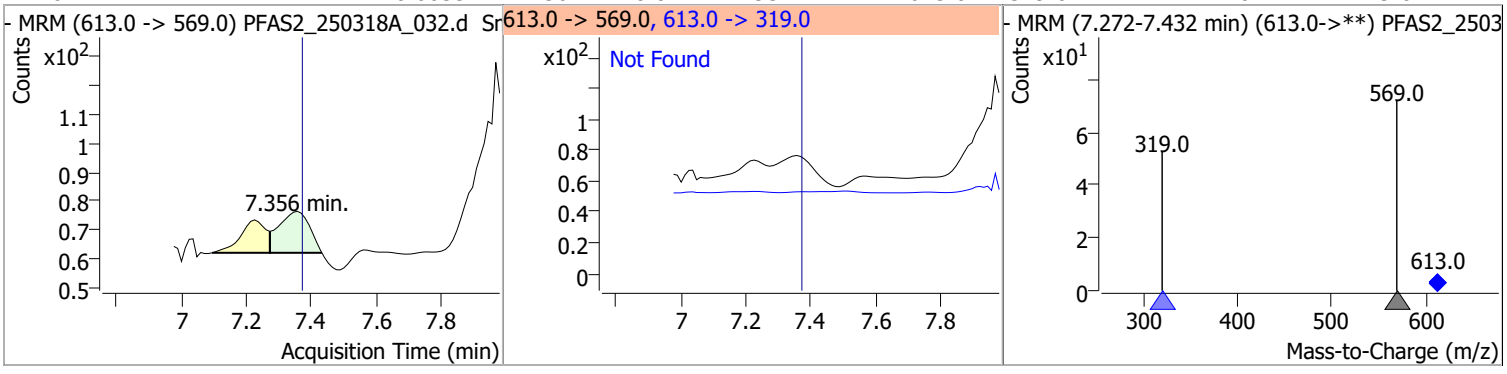
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0043	7.72	0.35	33088				



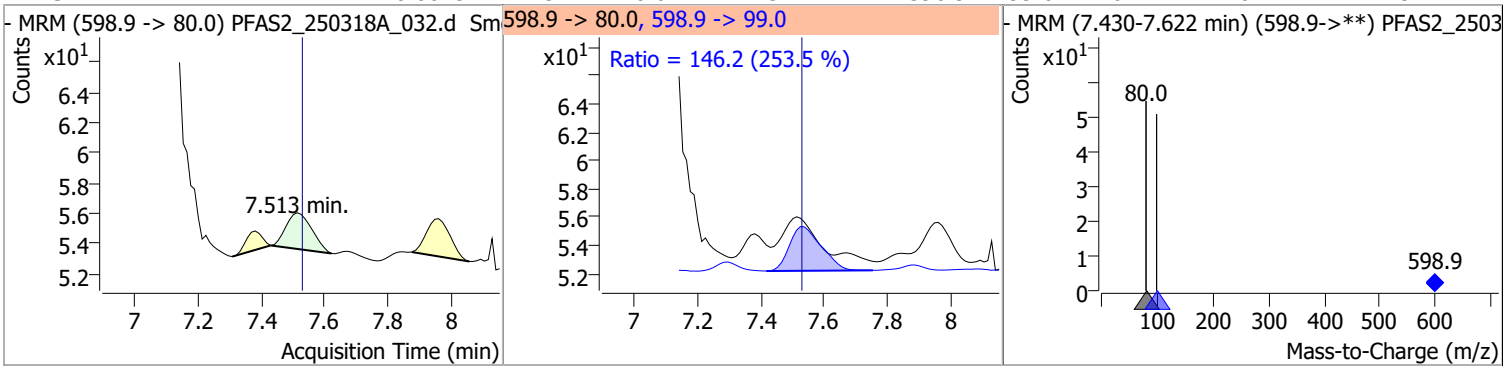
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2157	7.36	-0.01	36204				



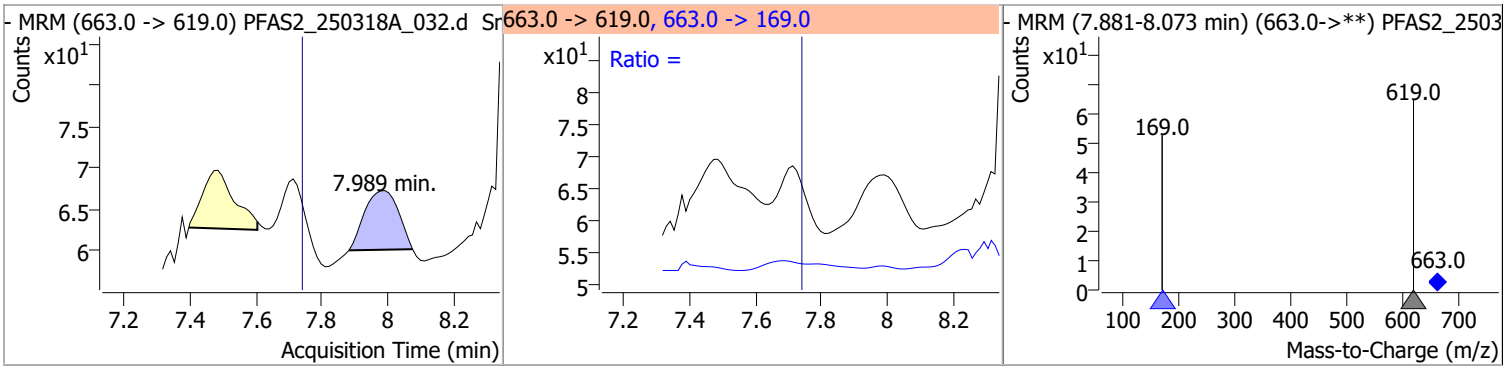
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0035	7.36	-0.01	93	613.0 -> 319.0		10.2	19.0



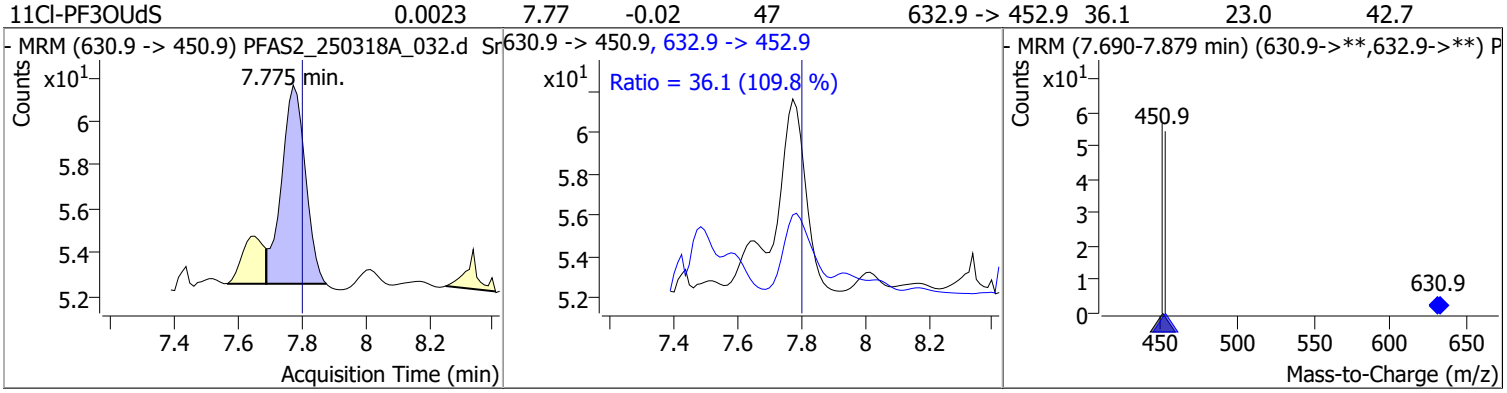
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0025	7.51	-0.01	13	598.9 -> 99.0	146.2	40.4	74.9



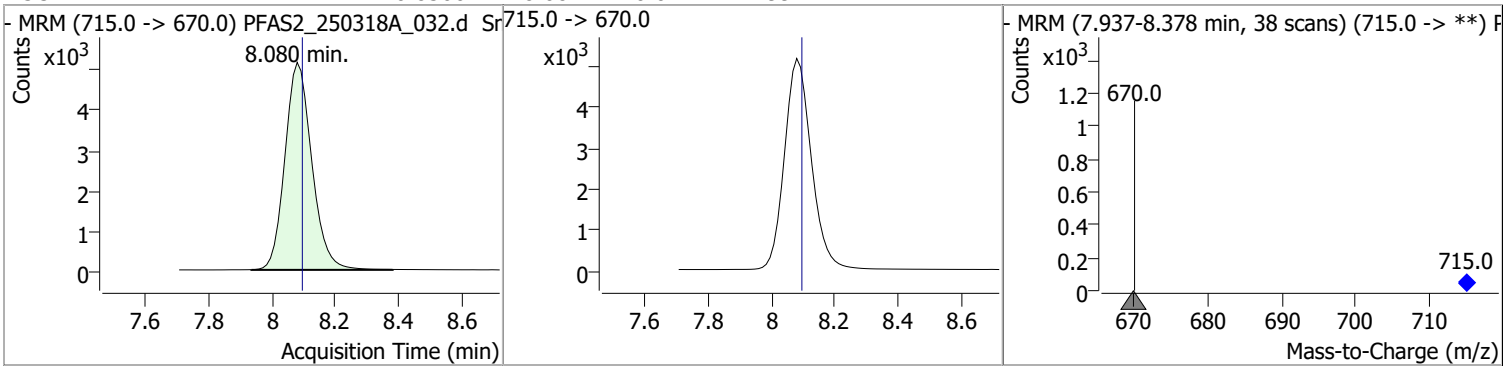
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0020	7.99	0.25	50	663.0 -> 169.0		7.2	13.4



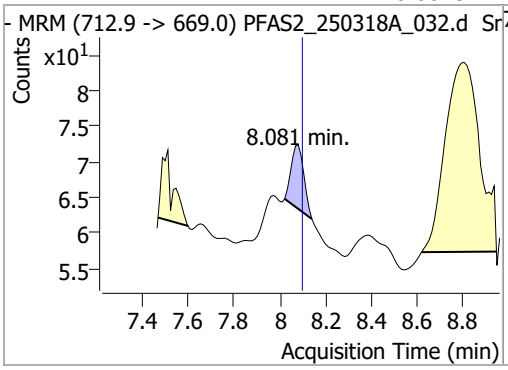
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0023	7.77	-0.02	47	632.9 -> 452.9	36.1	23.0	42.7

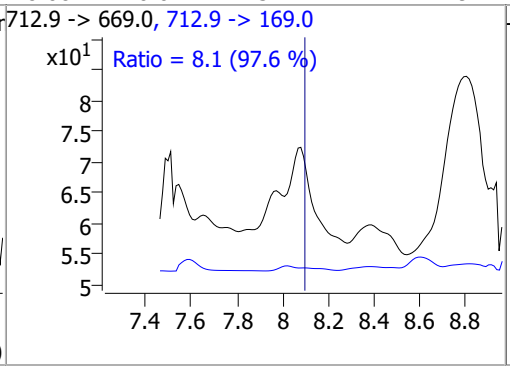


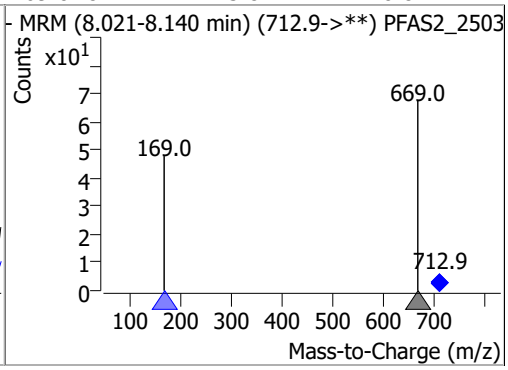
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8300	8.08	-0.01	29972				



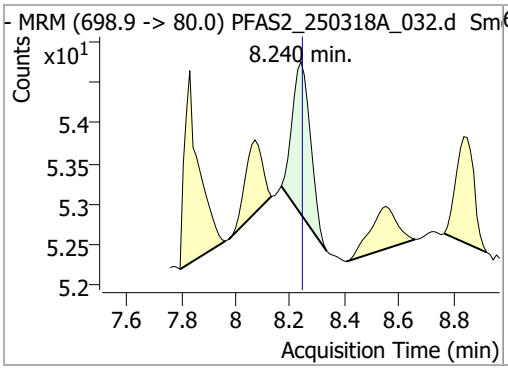
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0075	8.08	-0.01	34	712.9 -> 169.0	8.1	5.8	10.8

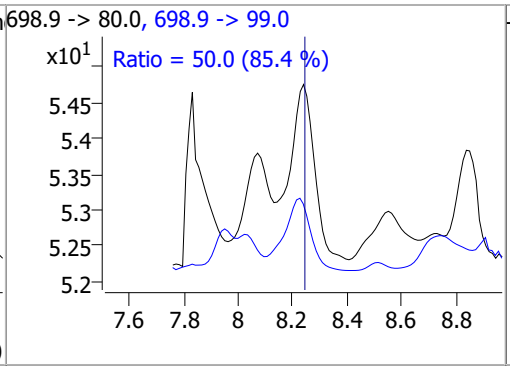


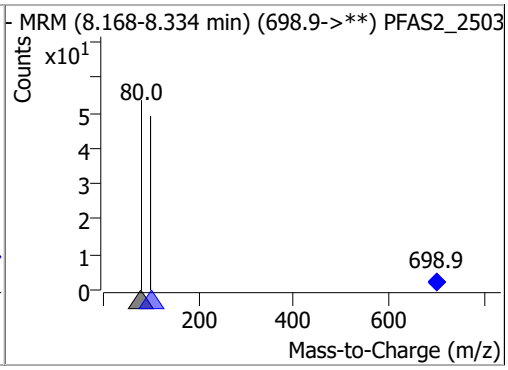




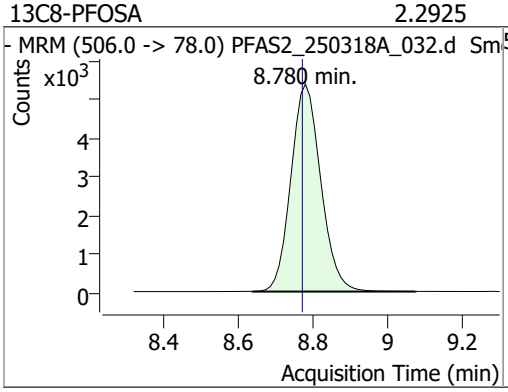
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0022	8.24	0.00	8	698.9 -> 99.0	50.0	41.0	76.1

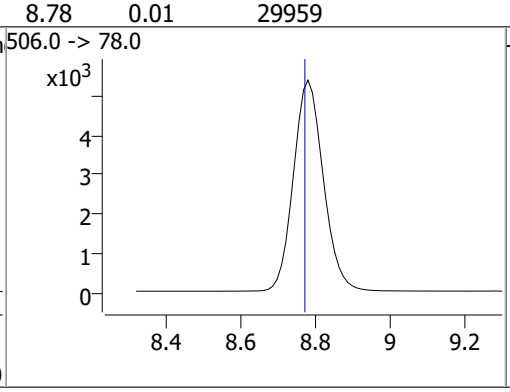


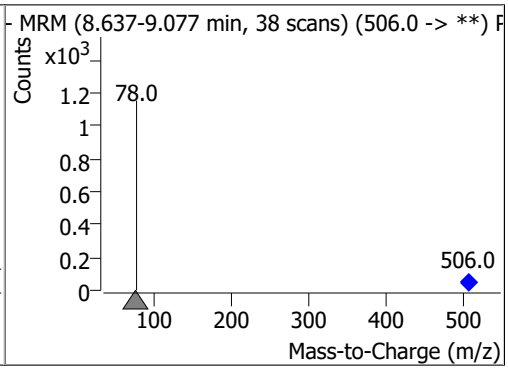




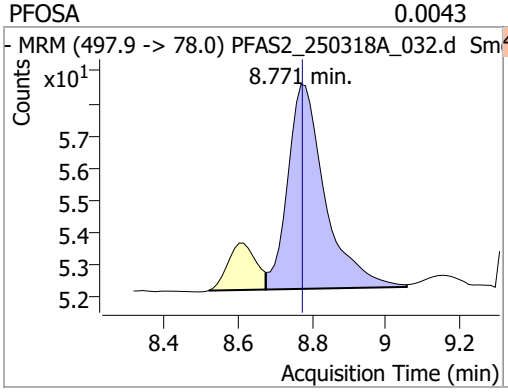
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2925	8.78	0.01	29959				

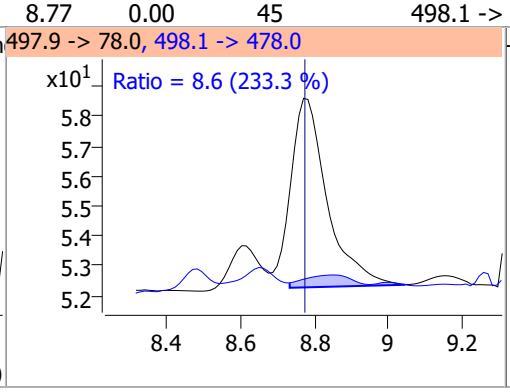


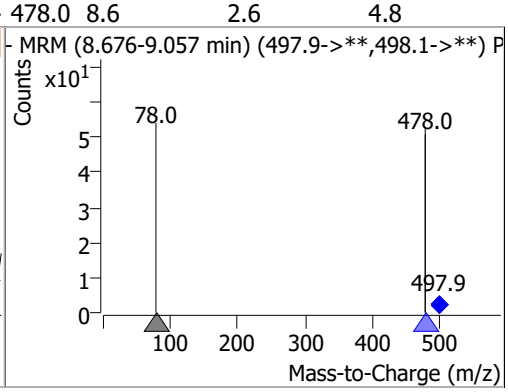




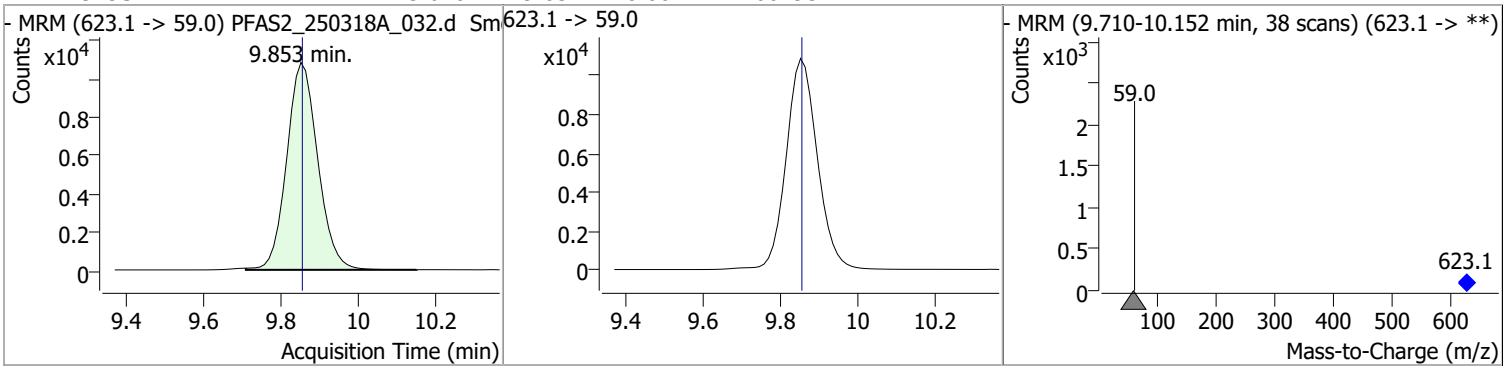
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0043	8.77	0.00	45	498.1 -> 478.0	8.6	2.6	4.8



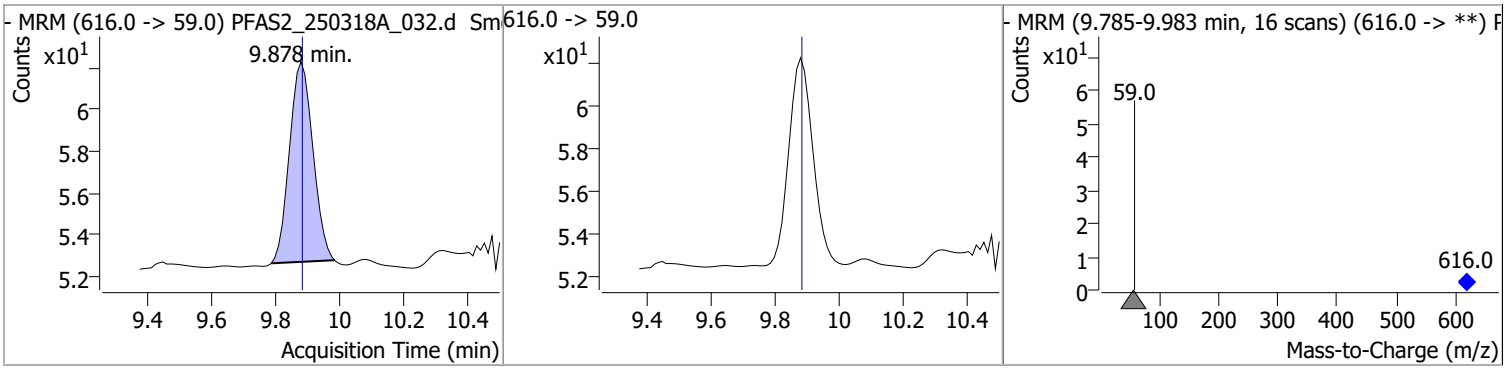




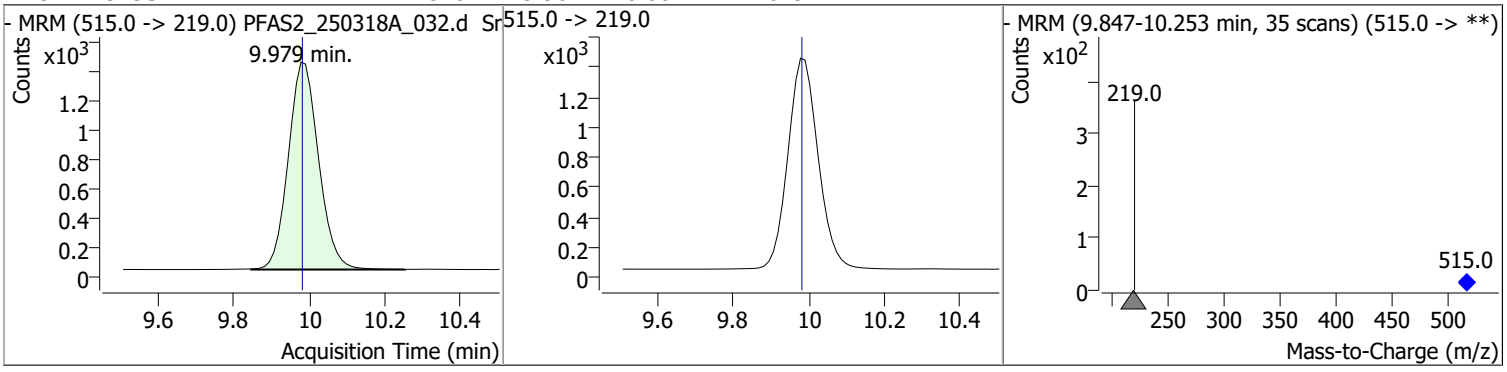
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.6107	9.85	0.00	60295				



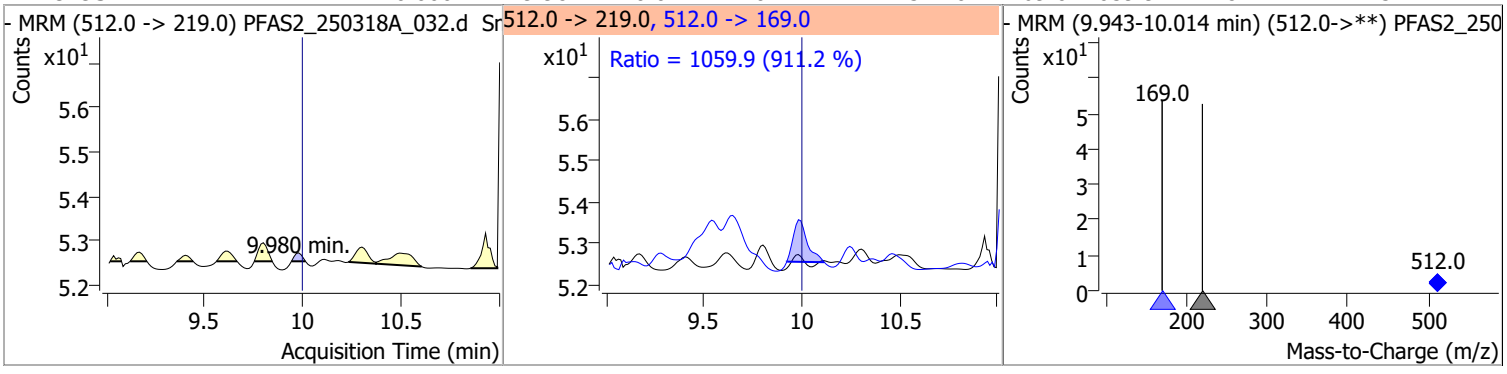
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	48				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1348	9.98	0.00	7829				

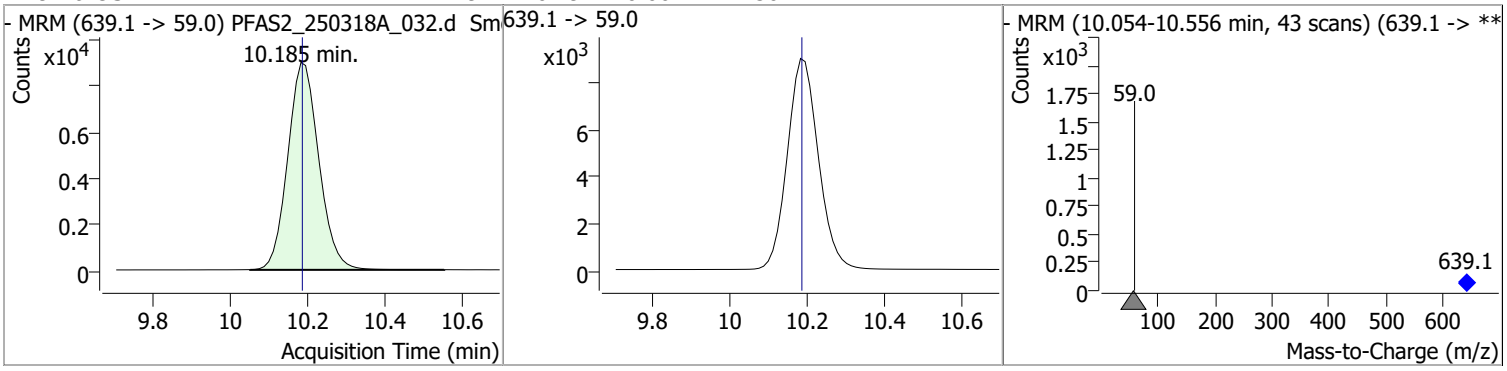


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0002	9.98	-0.01	0	512.0 -> 169.0	1059.9	81.4	151.2

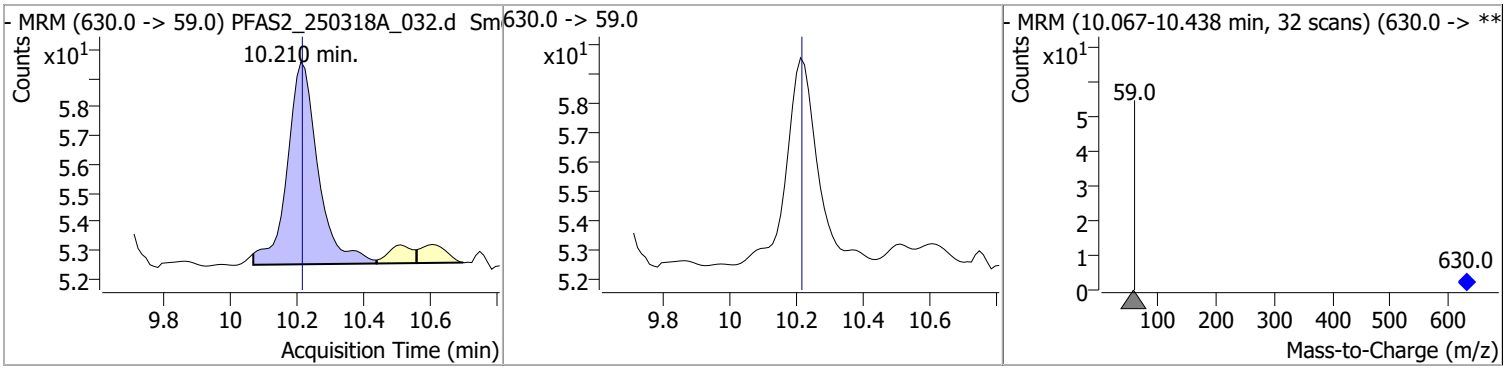


Quantitation Results Report (Not Reviewed)

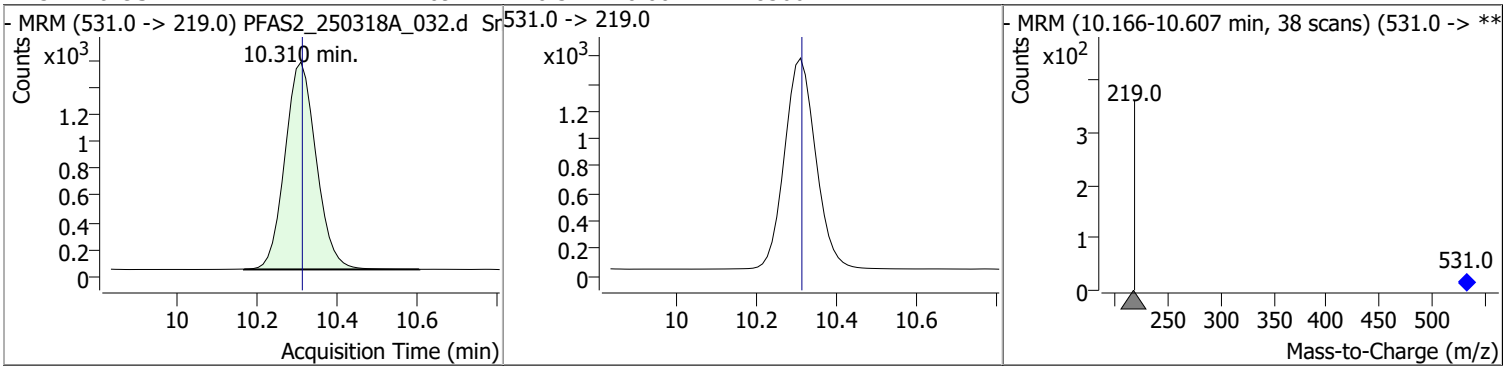
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.4129	10.19	0.00	50244				



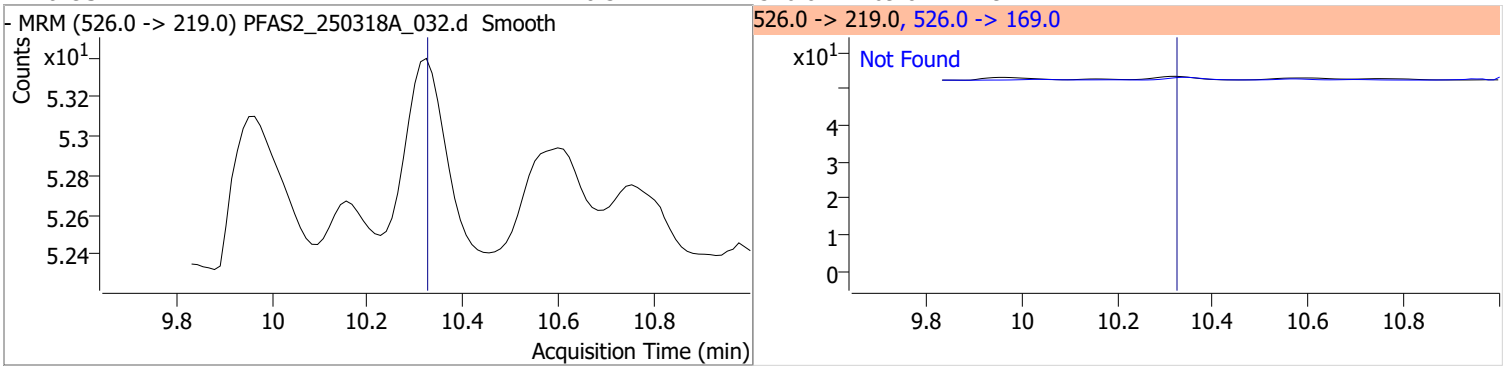
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0347	10.21	0.00	46				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1097	10.31	0.00	8366				



Compound	Conc.	Exp RT	QIon	Exp Ratio
N-EtFOSA	N.D.	10.32	526.0 -> 169.0	112.9



1 - FORM I
ANALYSIS DATA SHEET
E1633

MW30RA-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-09	File ID:	PFAS2_250318A_033.d
Sampled:	03/11/25 15:42	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:31
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	518.996 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.83	0.46	3.08	6.17	J
2706-90-3	PFPeA	6.98	0.13	1.54	3.08	
307-24-4	PFHxA	5.63	0.13	0.77	1.54	
375-85-9	PFHpA	2.05	0.15	0.77	1.54	
335-67-1	PFOA	3.38	0.12	0.77	1.54	
375-95-1	PFNA		0.09	0.77	1.54	U
335-76-2	PFDA		0.13	0.77	1.54	U
2058-94-8	PFUnA		0.18	0.77	1.54	U
307-55-1	PFDoA		0.11	0.77	1.54	U
72629-94-8	PFTrDA		0.07	0.77	1.54	U
376-06-7	PFTeDA		0.12	0.77	1.54	U
375-73-5	PFBS	7.73	0.18	0.68	1.37	
2706-91-4	PFPeS	0.30	0.20	0.73	1.45	J
355-46-4	PFHxS	1.80	0.22	0.70	1.41	
375-92-8	PFHpS		0.39	0.73	1.46	U
1763-23-1	PFOS	0.81	0.21	0.90	1.79	J
68259-12-1	PFNS		0.19	0.74	1.48	U
335-77-3	PFDS		0.13	0.74	1.48	U
79780-39-5	PFDoS		0.08	0.75	1.49	U
757124-72-4	4:2FTS		0.39	2.89	5.78	U
27619-97-2	6:2FTS		2.67	2.93	5.86	U
39108-34-4	8:2FTS		0.59	2.96	5.92	U
754-91-6	PFOSA		0.10	0.77	1.54	U
31506-32-8	NMeFOSA		0.25	0.77	1.54	U
4151-50-2	NEtFOSA		0.30	0.77	1.54	U
2355-31-9	NMeFOSAA		0.42	0.77	1.54	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW30RA-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-09	File ID:	PFAS2_250318A_033.d
Sampled:	03/11/25 15:42	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:31
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	518.996 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.77	1.54	U
24448-09-7	NMeFOSE	1.00	0.97	7.71	15.4	J
1691-99-2	NEtFOSE	1.68	1.21	7.71	15.4	J
13252-13-6	HFPO-DA		0.39	1.54	3.08	U
919005-14-4	ADONA		0.14	1.45	2.91	U
756426-58-1	9CL-PF3ONS		0.17	1.44	2.88	U
763051-92-9	11CL-PF3OUdS		0.30	1.45	2.91	U
356-02-5	3:3FTCA		0.64	3.08	6.17	U
914637-49-3	5:3FTCA		3.53	15.4	30.8	U
812-70-4	7:3FTCA		2.95	15.4	30.8	U
113507-82-7	PFEESA		0.16	1.37	2.75	U
377-73-1	PFMPA		0.11	1.54	3.08	U
863090-89-5	PFMBA		0.12	1.54	3.08	U
151772-58-6	NFDHA		0.43	1.54	3.08	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_033.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:31:16 AM
Sample Name	O25C0550-09	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

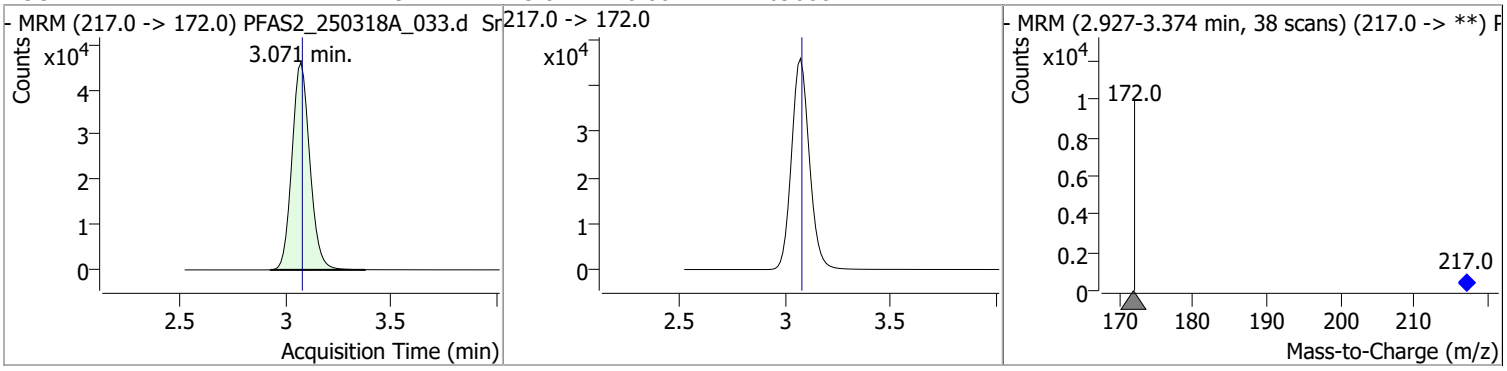
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	128683	5.0000	µg/L		-5.963
13C2-PFHxA	4.902	315.0 -> 270.0	144563	2.5000	µg/L		-5.776
18O2-PFHxS	5.967	403.0 -> 84.0	27214	2.5000	µg/L		-8.154
13C4-PFOA	5.835	417.0 -> 172.0	15270	2.5000	µg/L		-1.150
13C5-PFNA	6.226	468.0 -> 423.0	71740	1.2500	µg/L		0.798
13C2-PFDA	6.603	515.0 -> 470.0	64642	1.2500	µg/L		-3.341
13C4-PFOS	6.771	503.0 -> 80.0	22506	2.5000	µg/L		-9.650
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	269688	10.0000	µg/L		-13.236
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.22%			
13C5-PFPeA	4.234	268.0 -> 223.0	186915	5.0000	µg/L		-9.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.88%			
13C5-PFPeA	4.234	268.0 -> 223.0	186915	5.0000	µg/L		-9.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.88%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	29223	5.0000	µg/L	#	15.668
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 126.45%			
13C5-PFHxA	4.901	318.0 -> 273.0	144683	2.5000	µg/L		-14.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C5-PFHxA	4.901	318.0 -> 273.0	144683	2.5000	µg/L		-14.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C3-PFBS	4.941	302.0 -> 80.0	51021	2.5000	µg/L		-15.978
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.58%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	165397	10.0000	µg/L		-5.364
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.43%			
13C4-PFHpA	5.397	367.0 -> 322.0	172716	2.5000	µg/L		-8.561
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.07%			
13C3-PFHxS	5.956	402.0 -> 80.0	29117	2.5000	µg/L		-16.685
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.74%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15243	5.0000	µg/L	#	3.209
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.49%			
13C8-PFOA	5.835	421.0 -> 376.0	157950	2.5000	µg/L		-8.562
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.52%			
13C3-PFHxS	5.956	402.0 -> 80.0	29117	2.5000	µg/L		-16.685
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.74%			
13C9-PFNA	6.225	472.0 -> 427.0	65699	1.2500	µg/L		-6.762
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.46%			
13C8-PFOS	6.771	507.0 -> 80.0	21401	2.5000	µg/L		-15.358
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.72%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11407	5.0000	µg/L	#	-3.703
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.71%			
13C6-PFDA	6.603	519.0 -> 474.0	62292	1.2500	µg/L		-8.340
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.74%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47080	5.0000	µg/L		-15.655
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.25%			
13C8-PFOS	6.771	507.0 -> 80.0	21401	2.5000	µg/L		-15.358

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.72%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	35313	5.0000	µg/L		-16.260
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.64%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49830	1.2500	µg/L		-7.039
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.16%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	34003	1.2500	µg/L		-22.921
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 79.61%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35213	1.2500	µg/L		-11.845
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.21%			
13C2-PFTDA	8.080	715.0 -> 670.0	32793	1.2500	µg/L		-32.084
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.05%			
13C8-PFOSA	8.780	506.0 -> 78.0	31803	2.5000	µg/L		-13.955
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
2H7-MeFOSE	9.853	623.1 -> 59.0	64691	25.0000	µg/L		-48.513
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 57.03%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7342	2.5000	µg/L		-29.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 78.18%			
2H9-EtFOSE	10.185	639.1 -> 59.0	54028	25.0000	µg/L		-14.929
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.12%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8129	2.5000	µg/L		-27.678
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.06%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	9950	0.5013	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.766	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.235	263.0 -> 219.0	24250	0.7247	µg/L	#	100
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.775	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.904	313.0 -> 269.0	30261	0.5845	µg/L		99
PFBS	4.942	298.9 -> 80.0	16987	0.8024	µg/L		95
HFPO-DA	5.110	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	4.866	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	12827	0.2131	µg/L		94
5-3 FTCA	5.245	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.506	348.9 -> 80.0	495	0.0315	µg/L		94
DONA	5.564	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.654	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	19726	0.3512	µg/L	m	95
PFHxS	5.957	398.9 -> 80.0	2116	0.1868	µg/L		94
PFNA	6.773	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.239	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.615	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.742	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	459	0.0844	µg/L		83
N-EtFOSAA	6.953	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.967	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.041	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.171	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.525	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

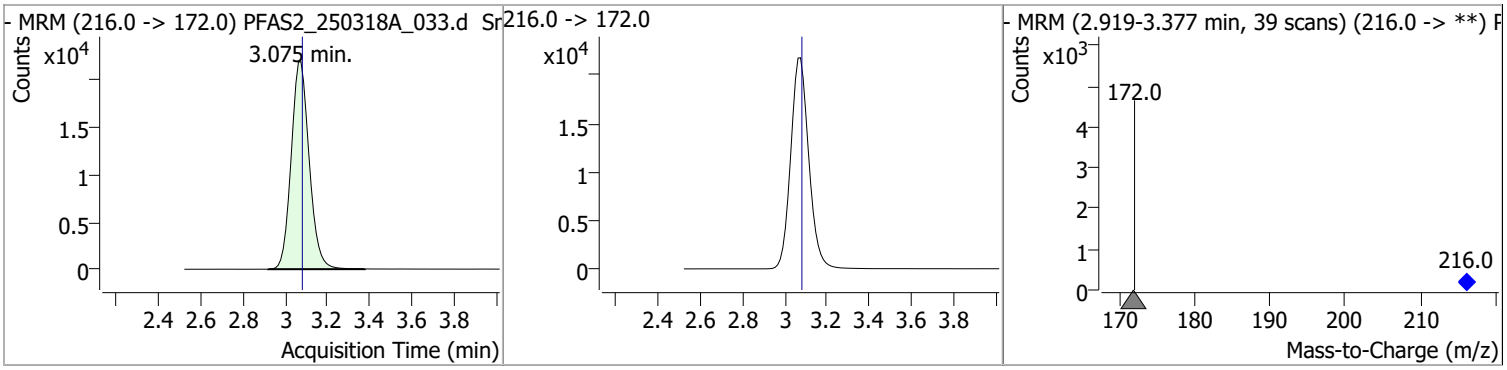
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	115	0.0053	µg/L	#	37
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.228	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	293	0.1040	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	320	0.1743	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	92	0.0292	µg/L		72

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

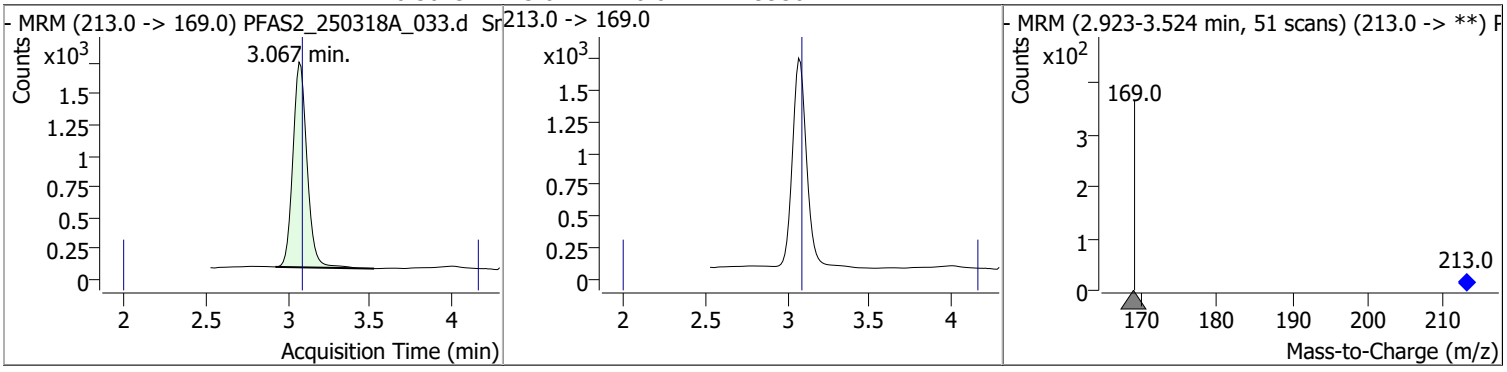
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.2224	3.07	0.00	269688				



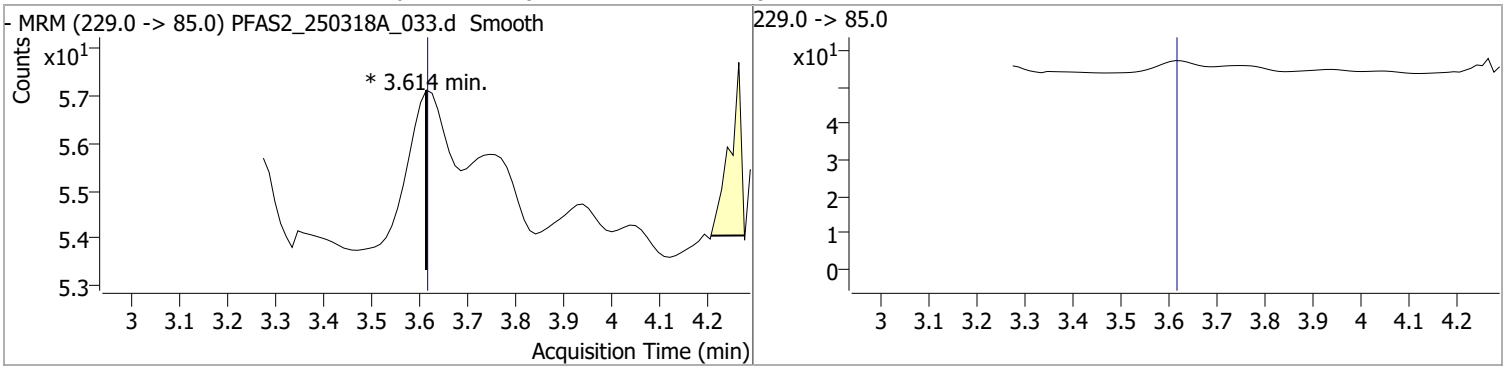
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	128683				



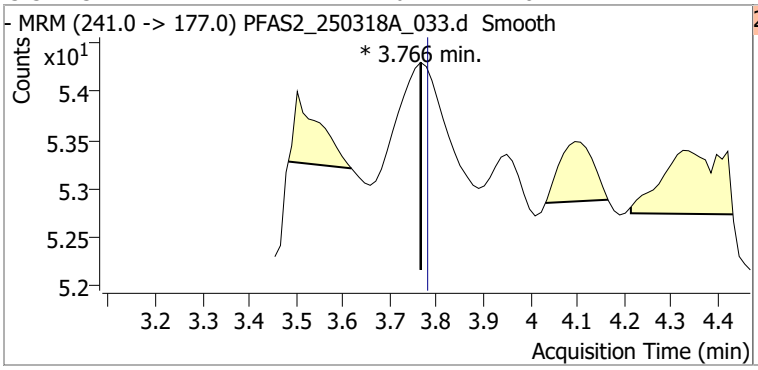
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.5013	3.07	-0.01	9950				

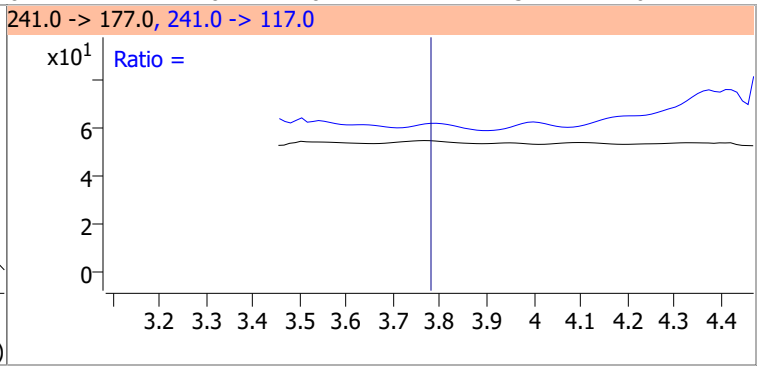


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

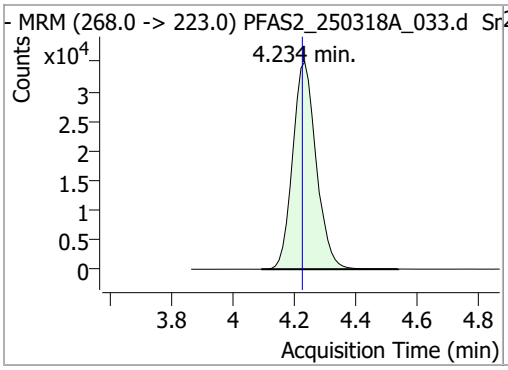


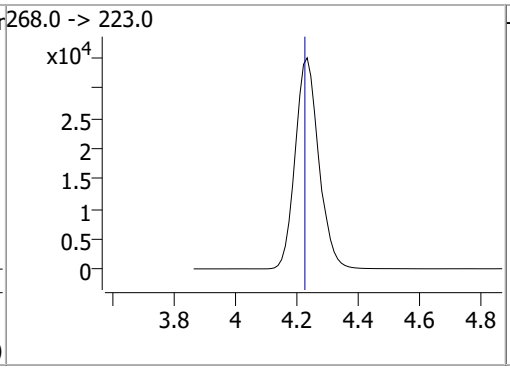
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

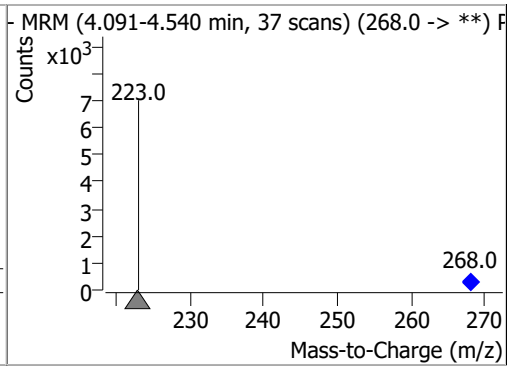




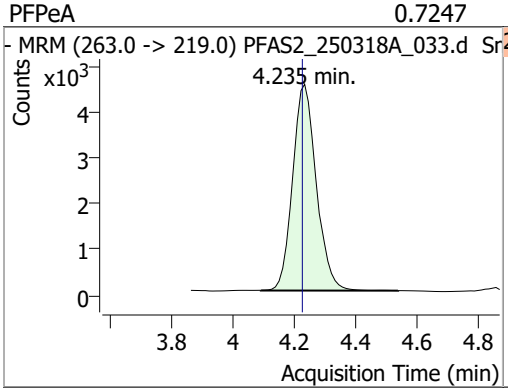
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7938	4.23	0.01	186915				

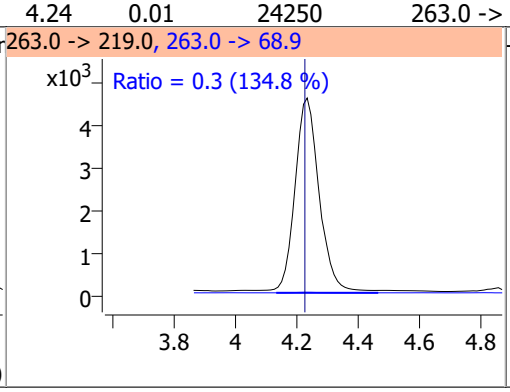


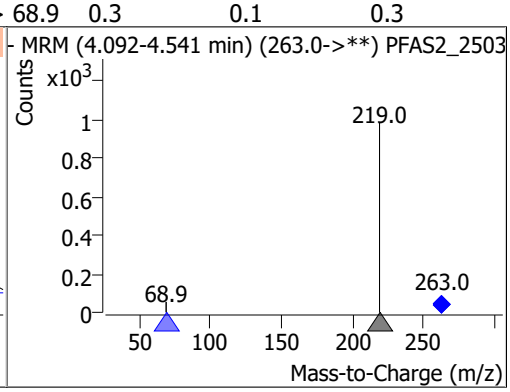




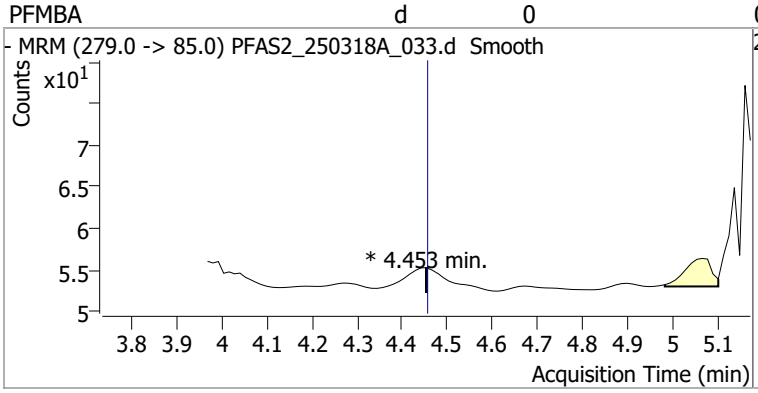
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.7247	4.24	0.01	24250	263.0 -> 68.9	0.3	0.1	0.3

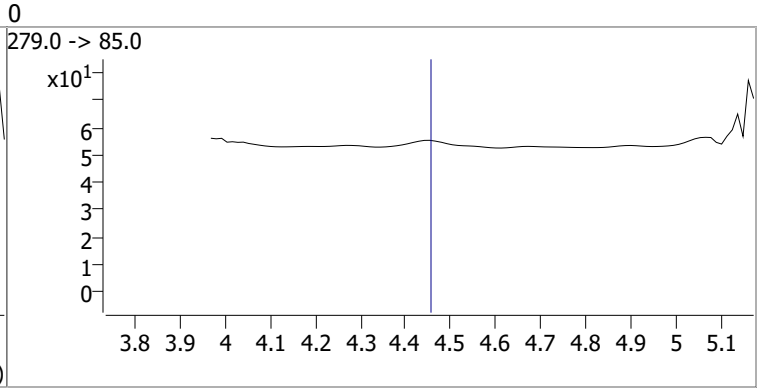




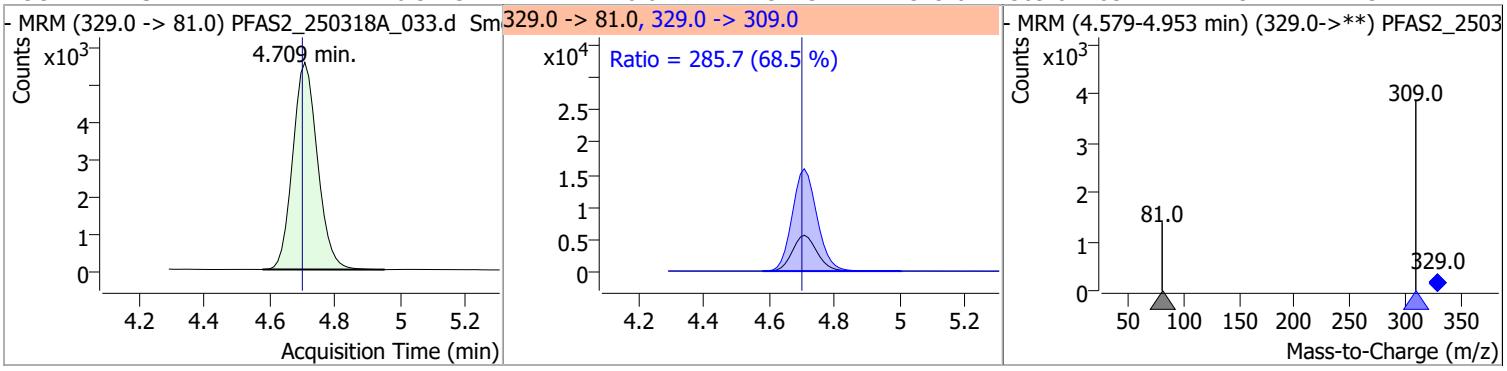


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

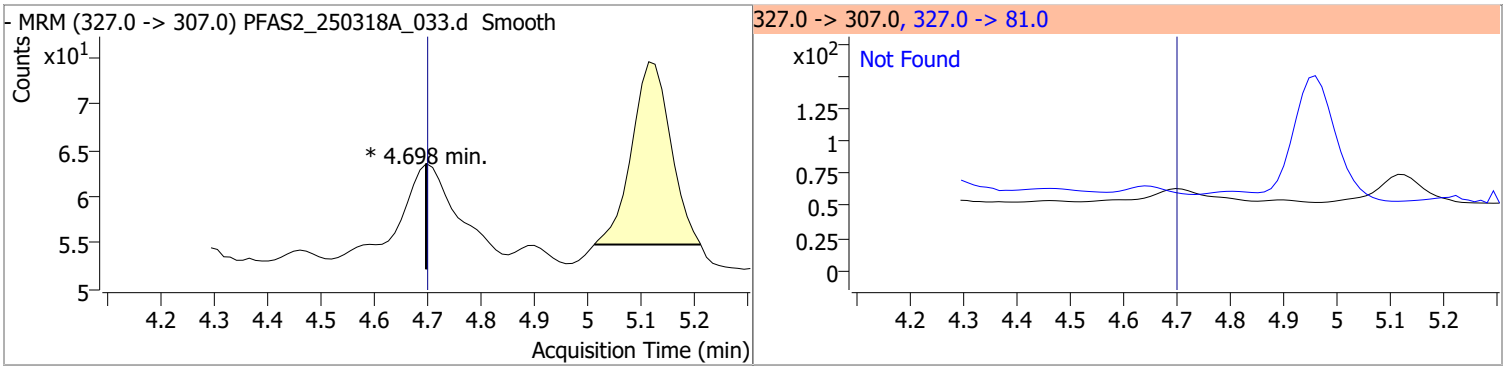




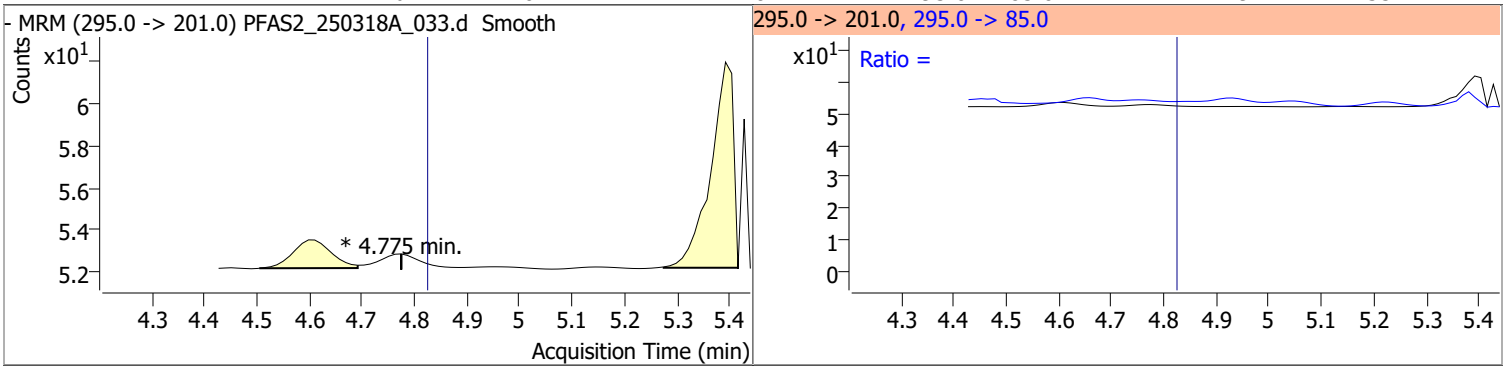
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.3223	4.71	0.01	29223	329.0 -> 309.0	285.7	292.1	542.4



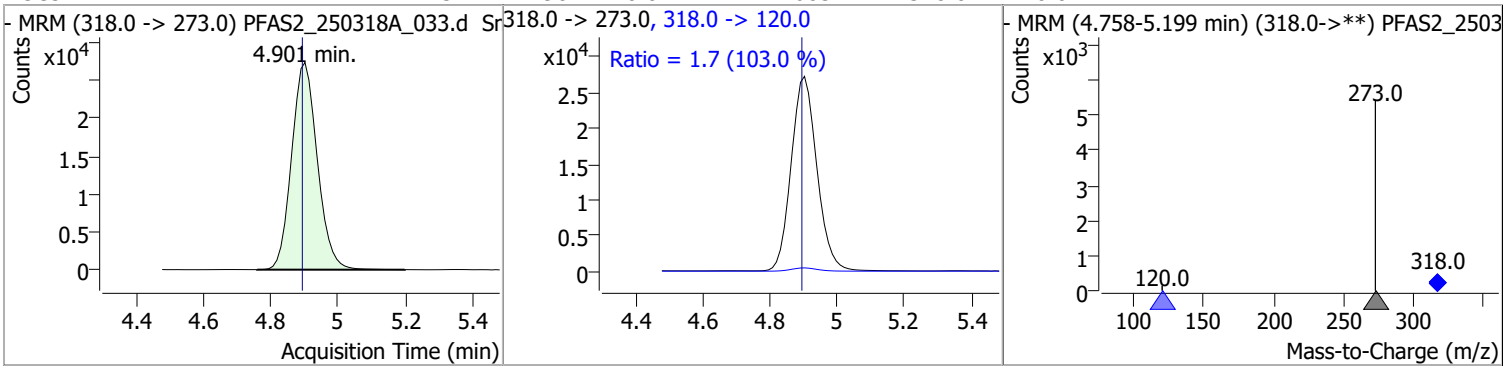
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



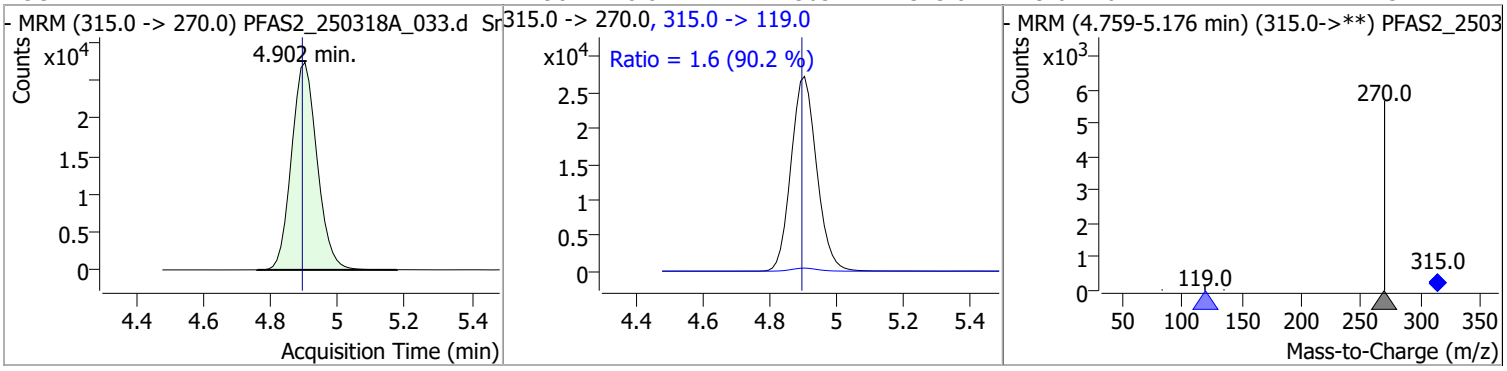
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



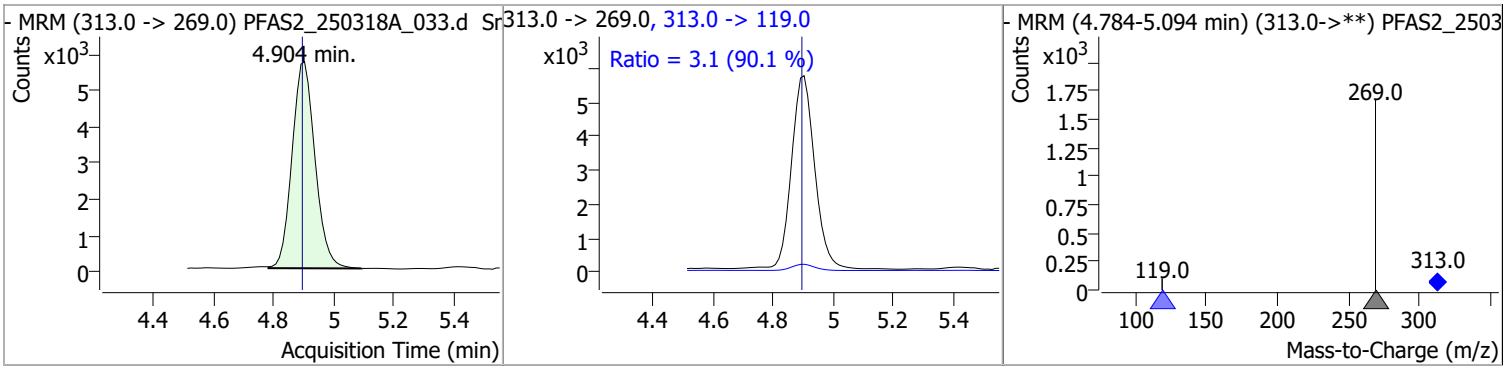
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2731	4.90	0.01	144683	318.0 -> 120.0	1.7	1.1	2.1



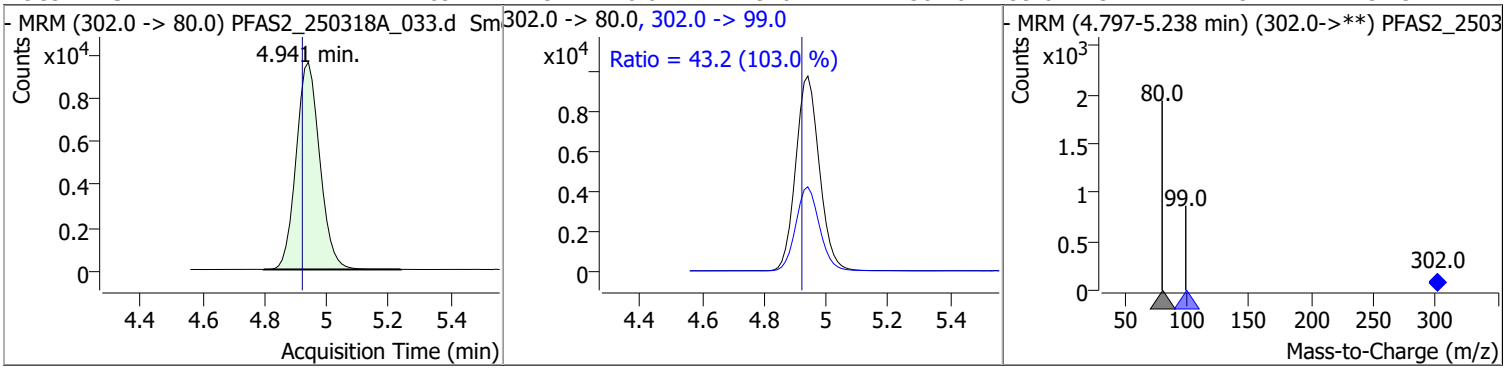
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	144563	315.0 -> 119.0	1.6	1.2	2.3



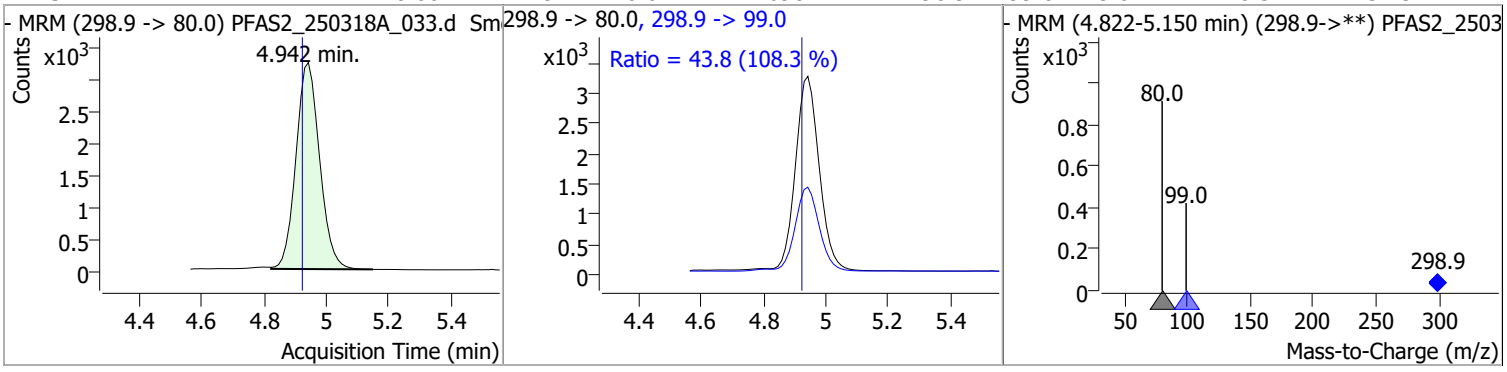
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5845	4.90	0.01	30261	313.0 -> 119.0	3.1	2.4	4.5



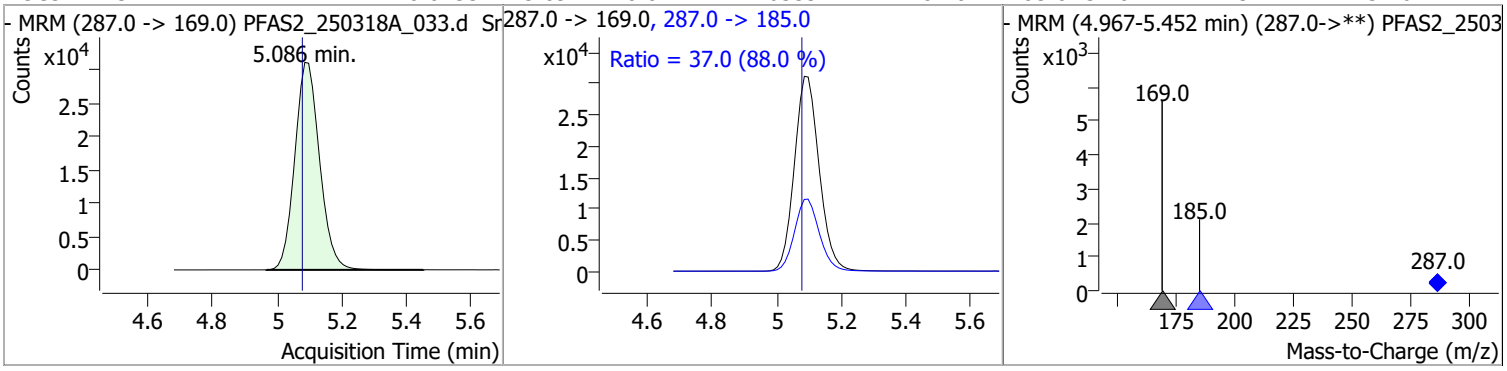
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2894	4.94	0.02	51021	302.0 -> 99.0	43.2	29.4	54.5



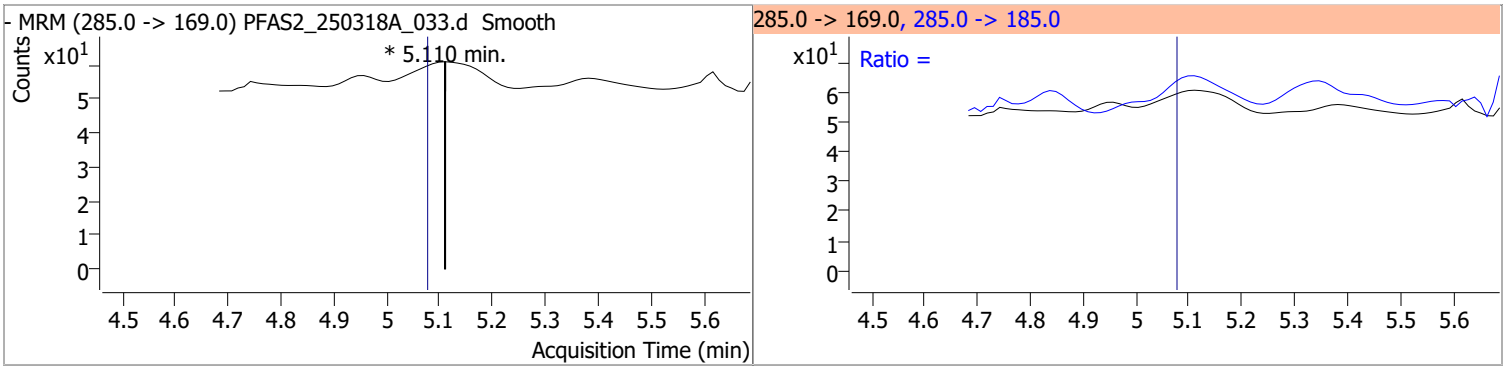
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.8024	4.94	0.02	16987	298.9 -> 99.0	43.8	28.3	52.5



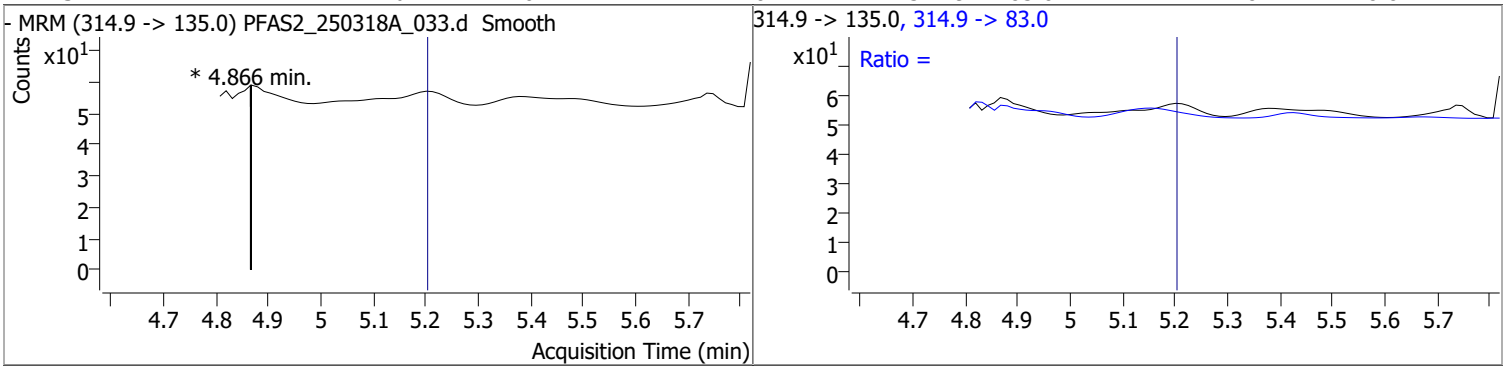
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0433	5.09	0.01	165397	287.0 -> 185.0	37.0	29.4	54.6



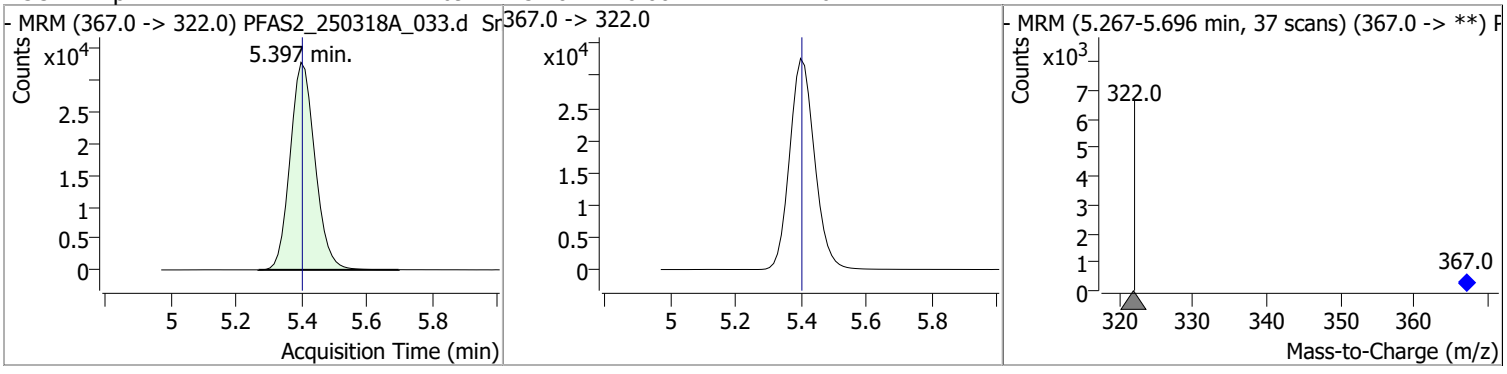
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



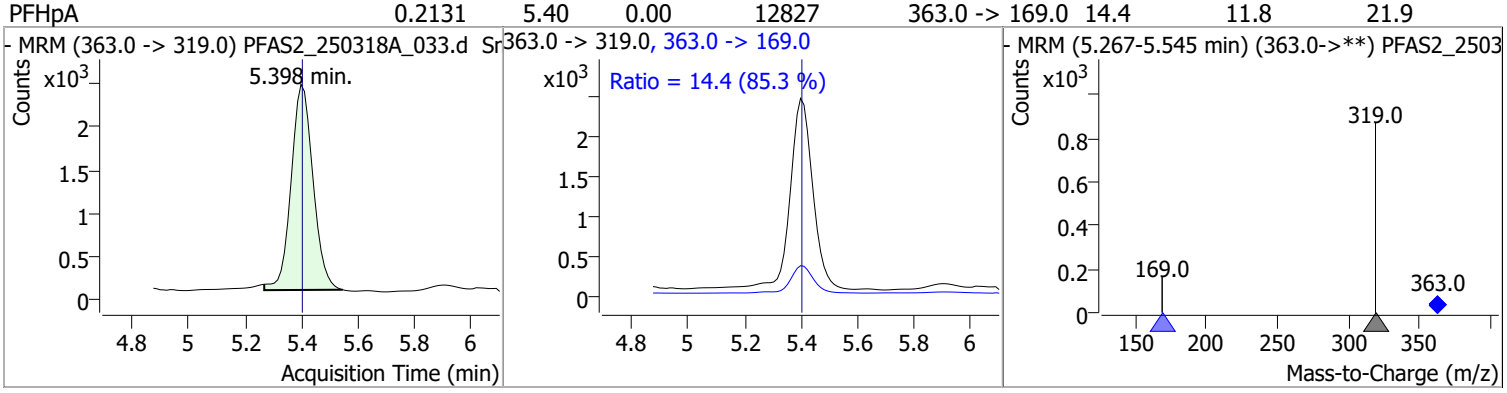
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



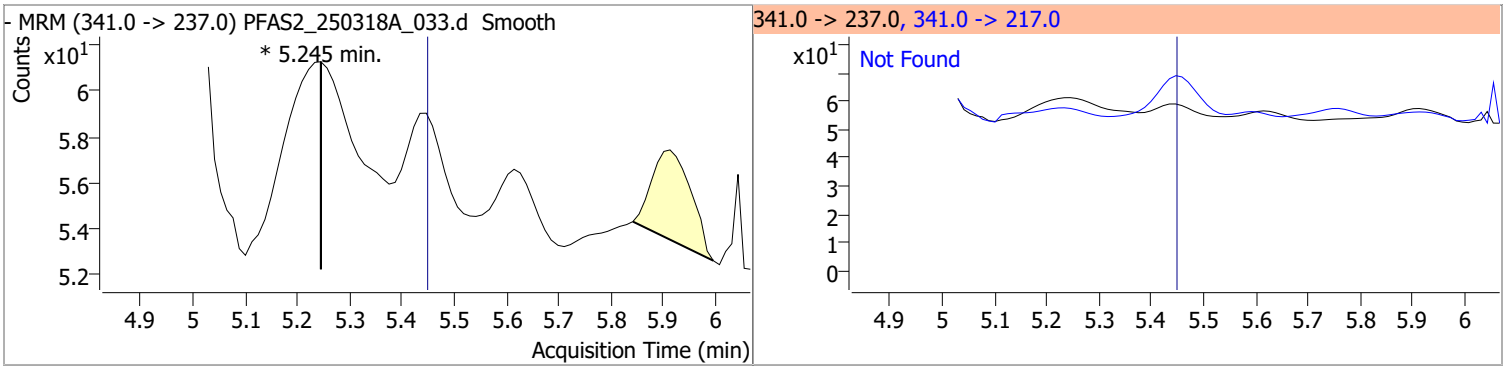
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4269	5.40	0.00	172716				



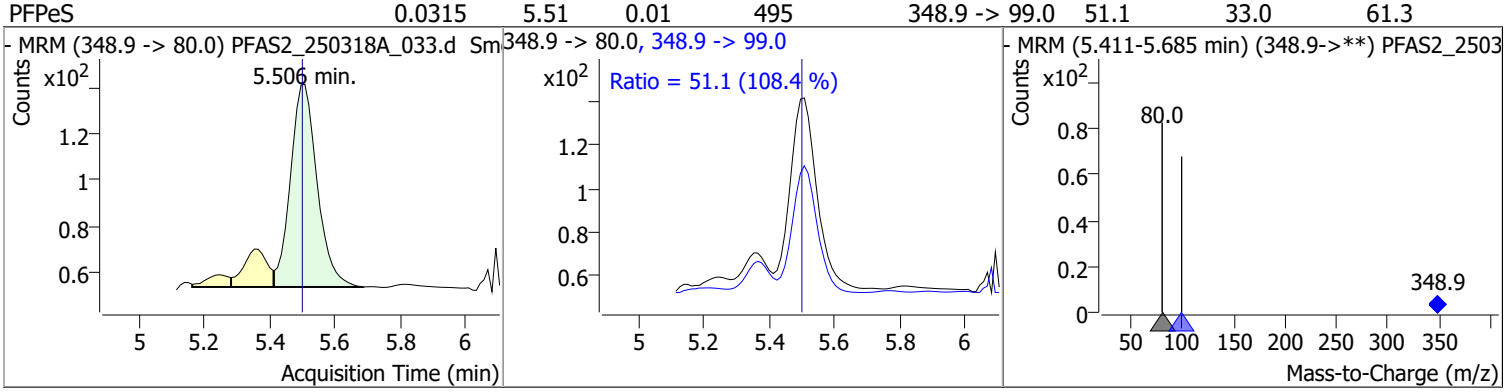
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2131	5.40	0.00	12827	363.0 -> 169.0	14.4	11.8	21.9



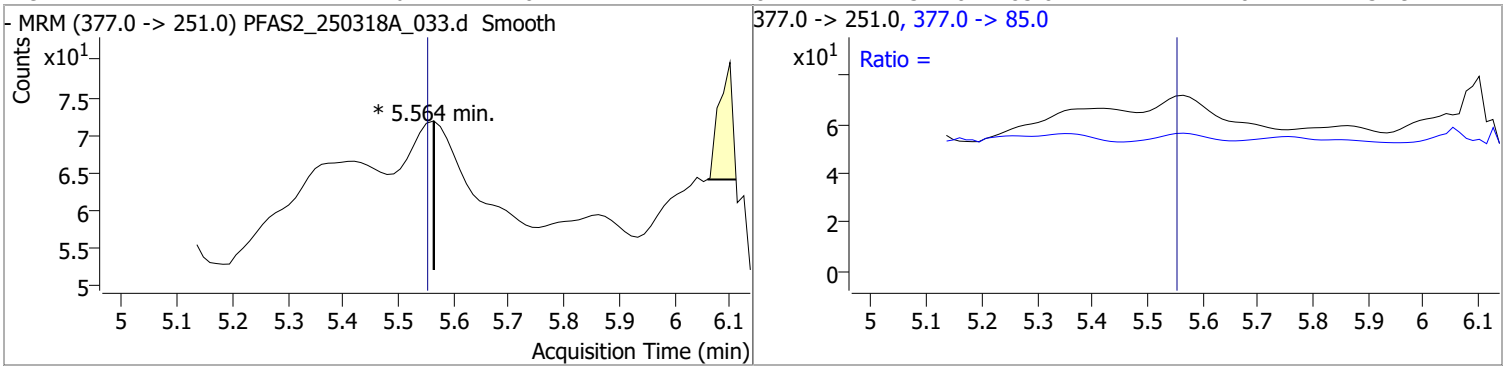
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



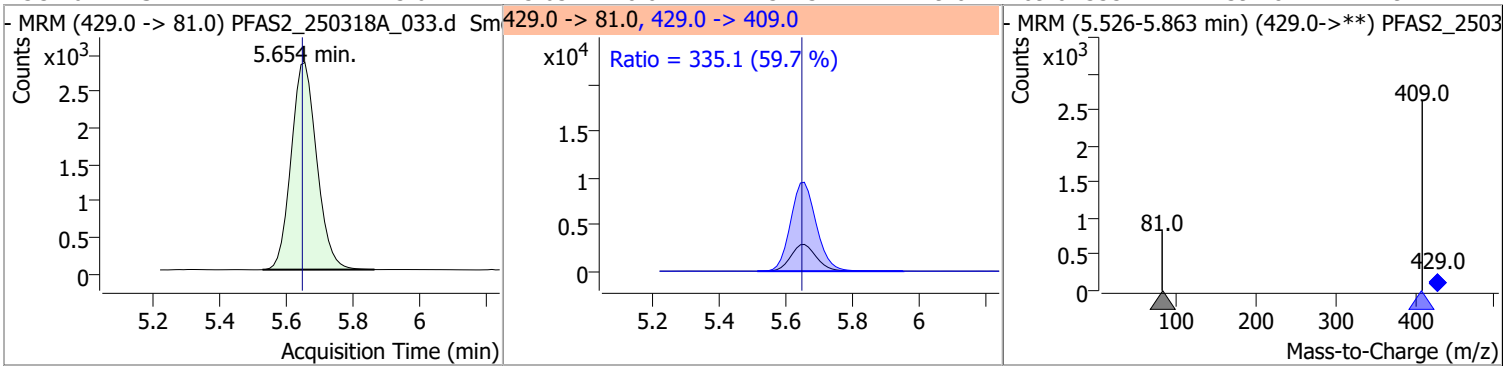
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0315	5.51	0.01	495	348.9 -> 99.0	51.1	33.0	61.3



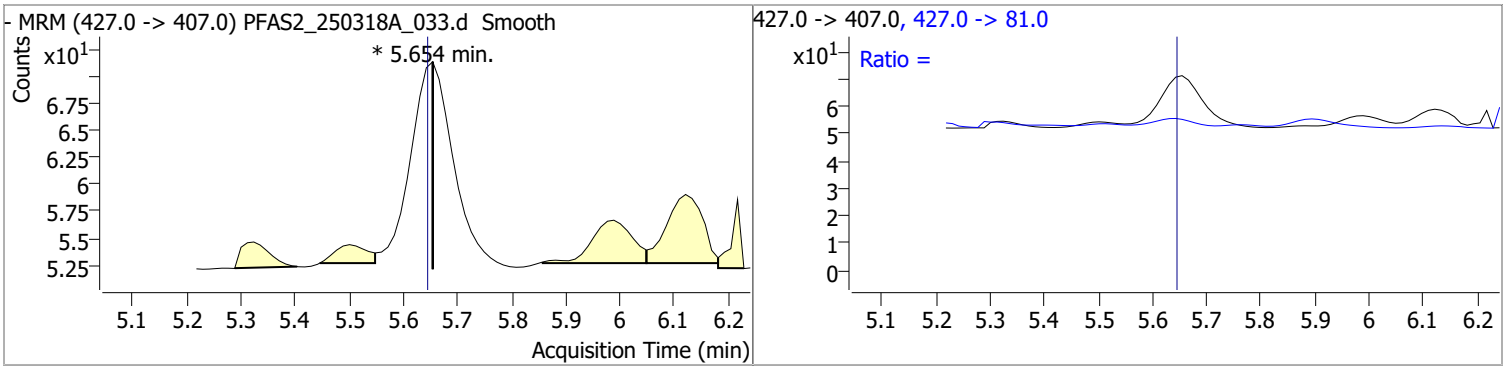
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



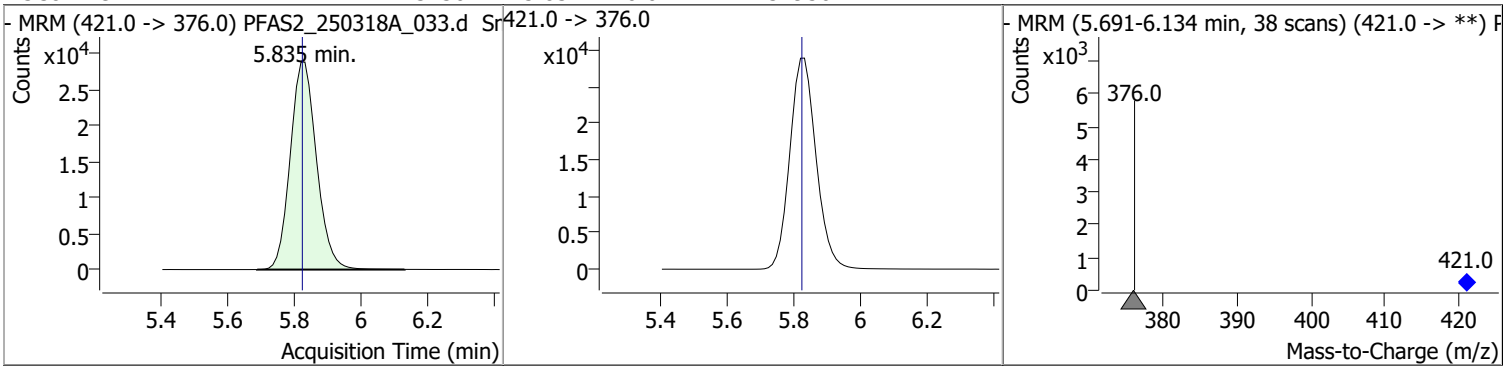
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6247	5.65	0.01	15243	429.0 -> 409.0	335.1	392.8	729.4



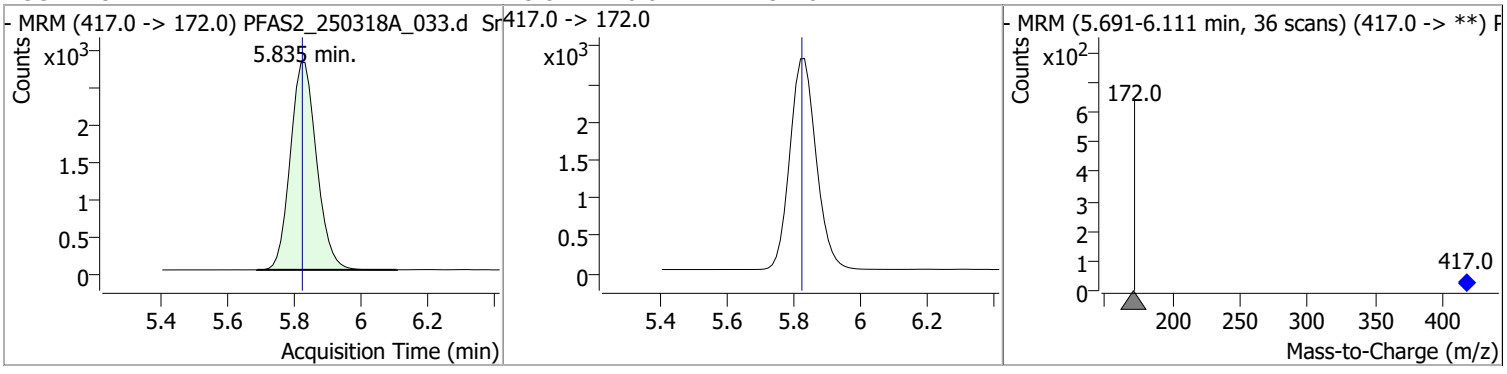
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



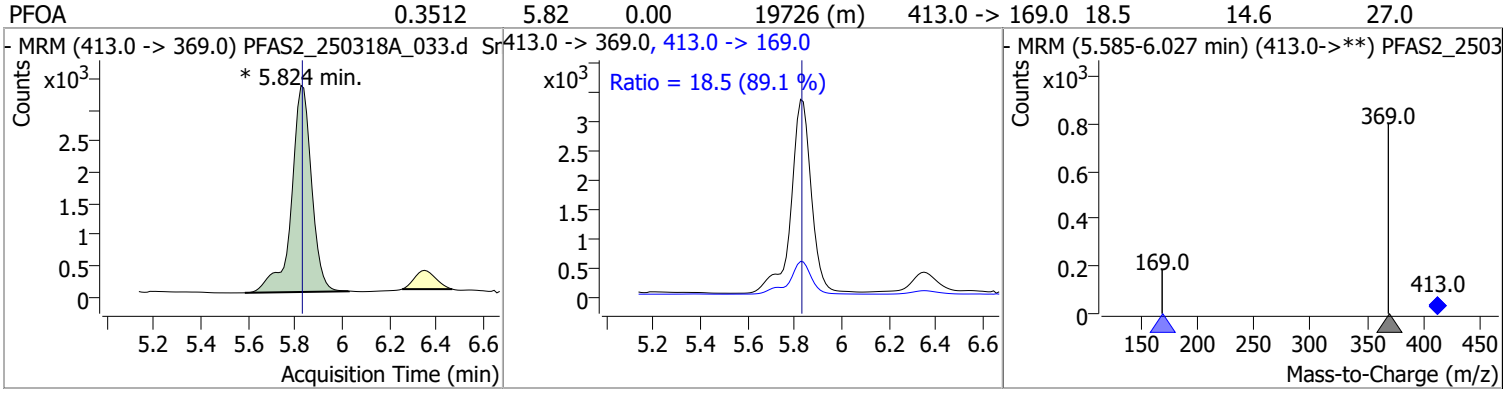
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3130	5.83	0.01	157950				



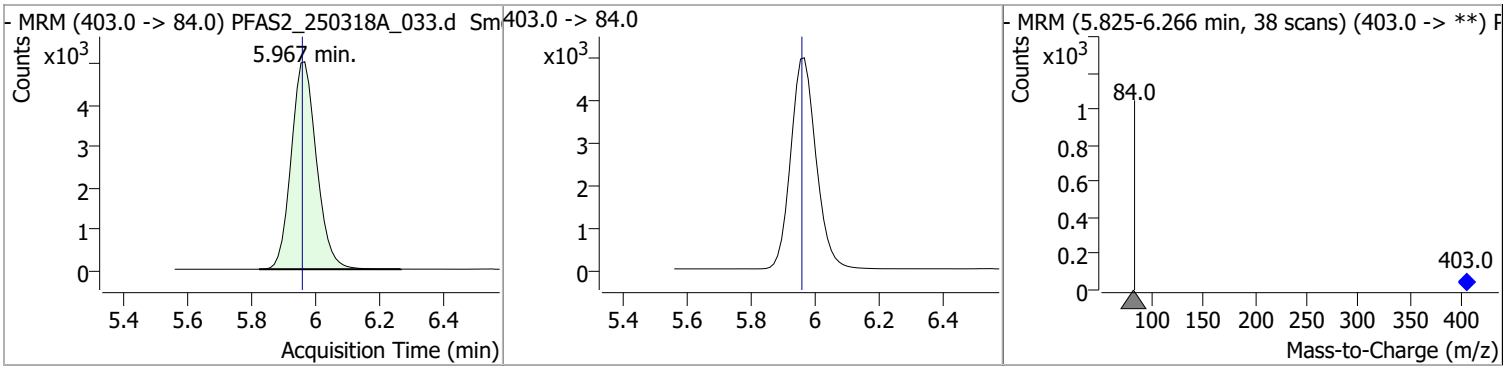
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	15270				



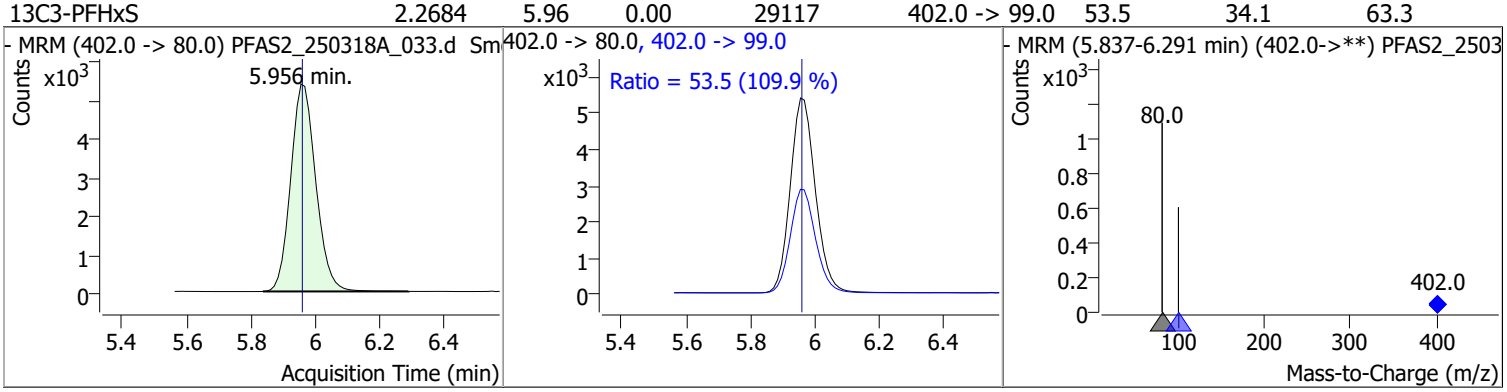
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.3512	5.82	0.00	19726 (m)	413.0 -> 169.0	18.5	14.6	27.0



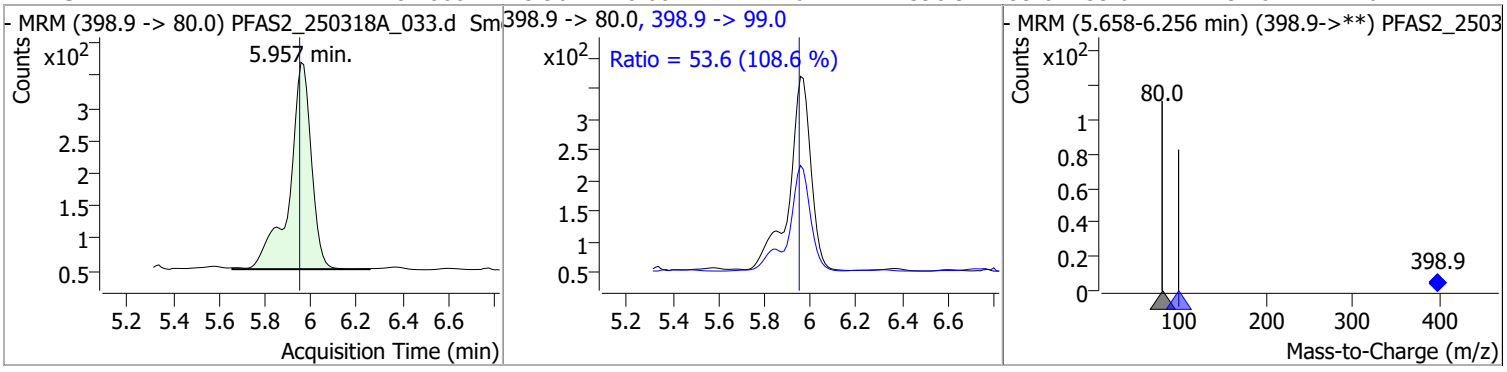
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	27214				



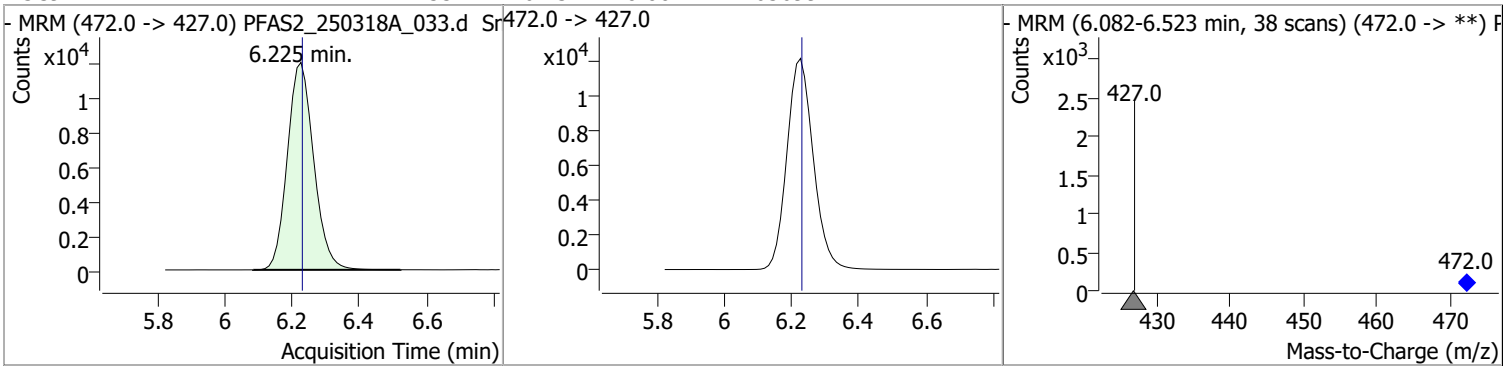
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2684	5.96	0.00	29117	402.0 -> 99.0	53.5	34.1	63.3



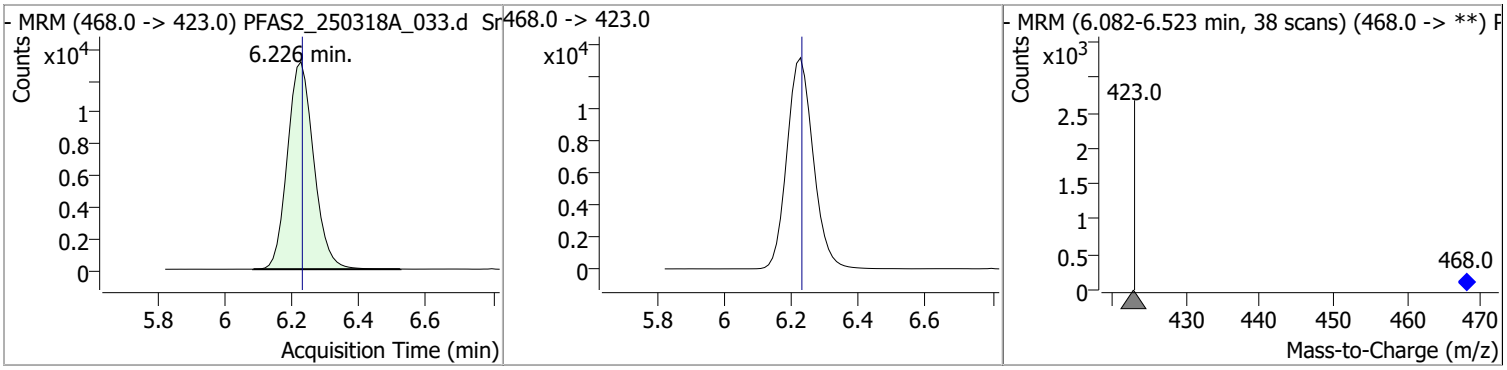
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1868	5.96	0.00	2116	398.9 -> 99.0	53.6	34.6	64.2



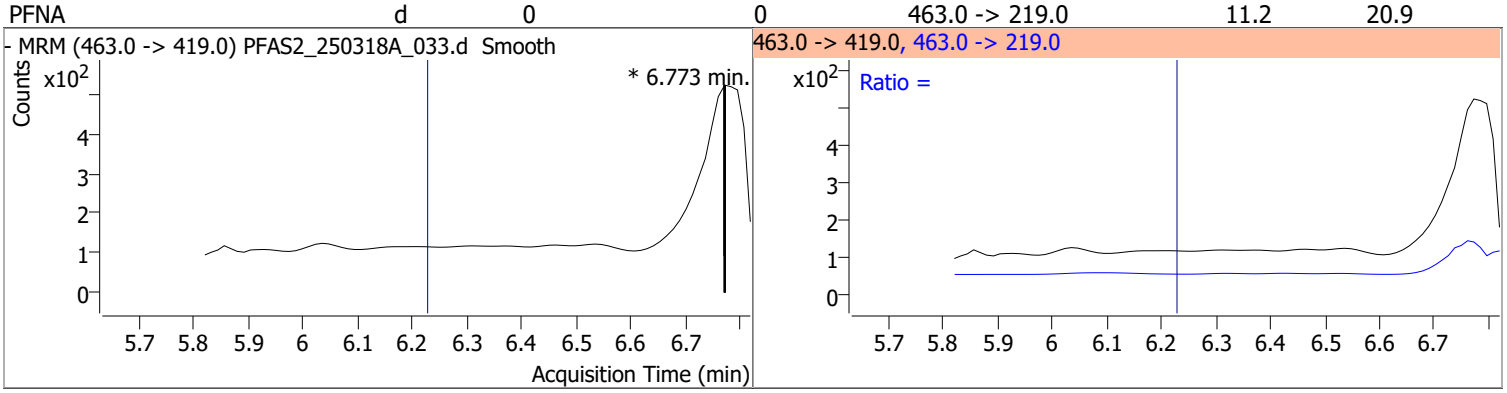
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1557	6.23	0.00	65699				



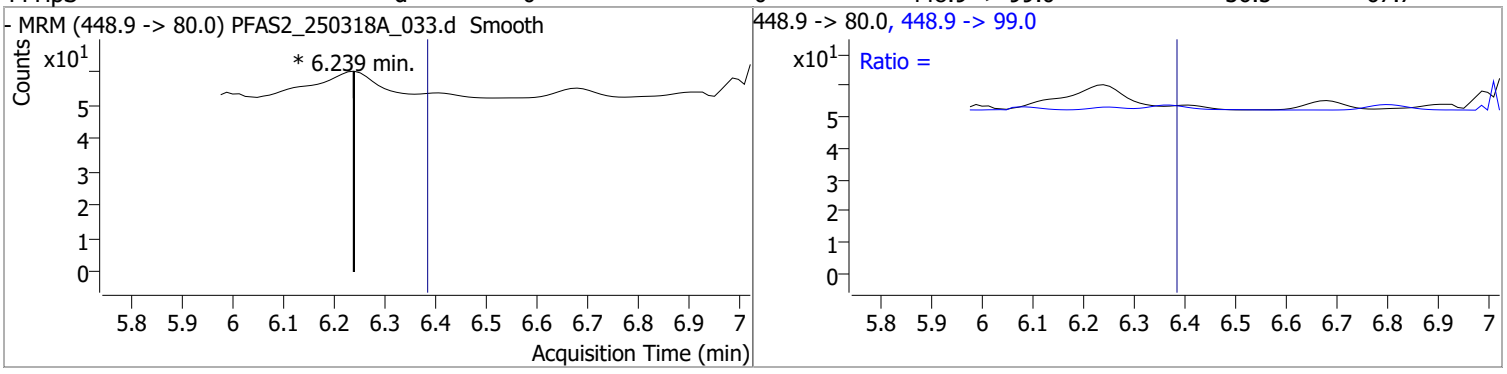
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	71740				



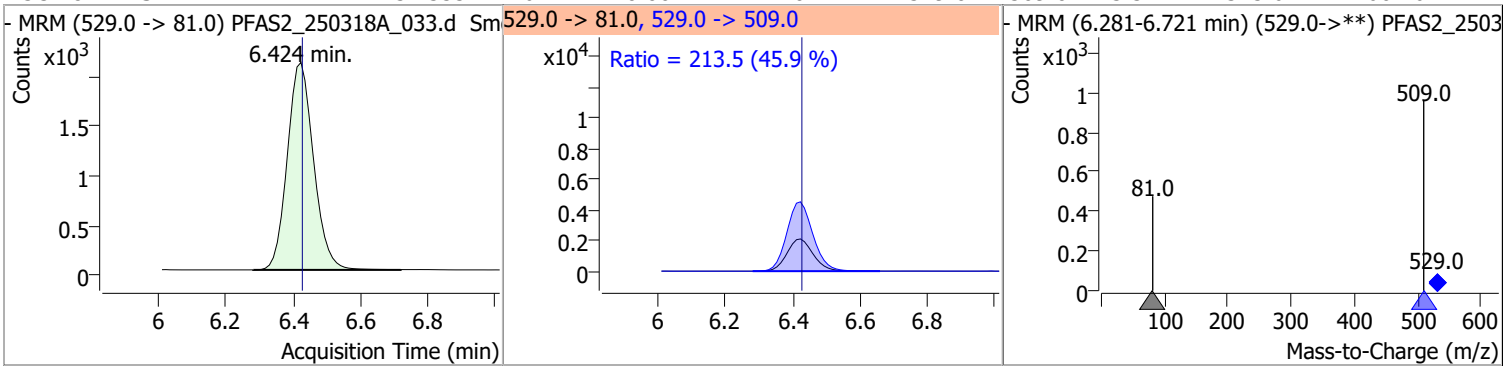
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



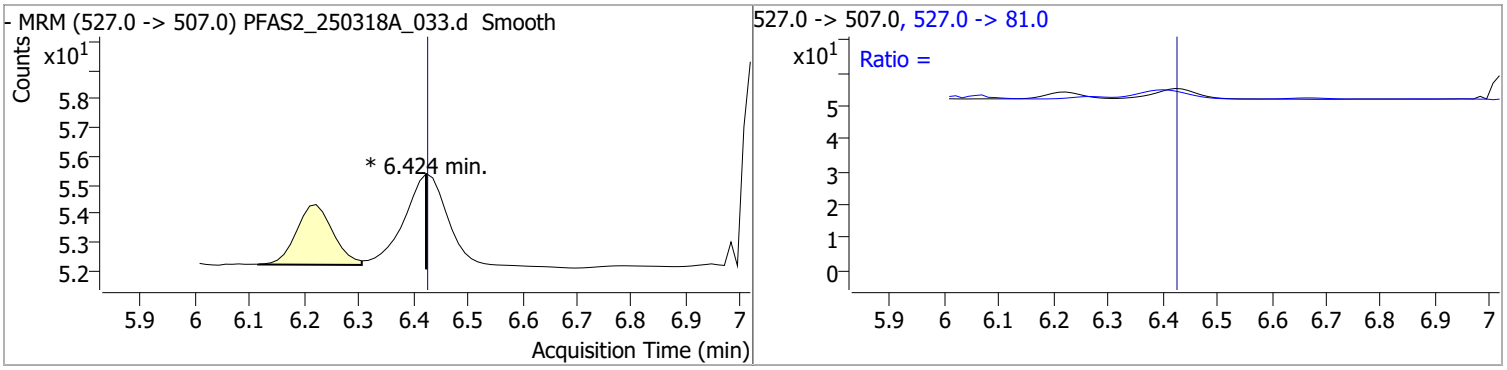
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



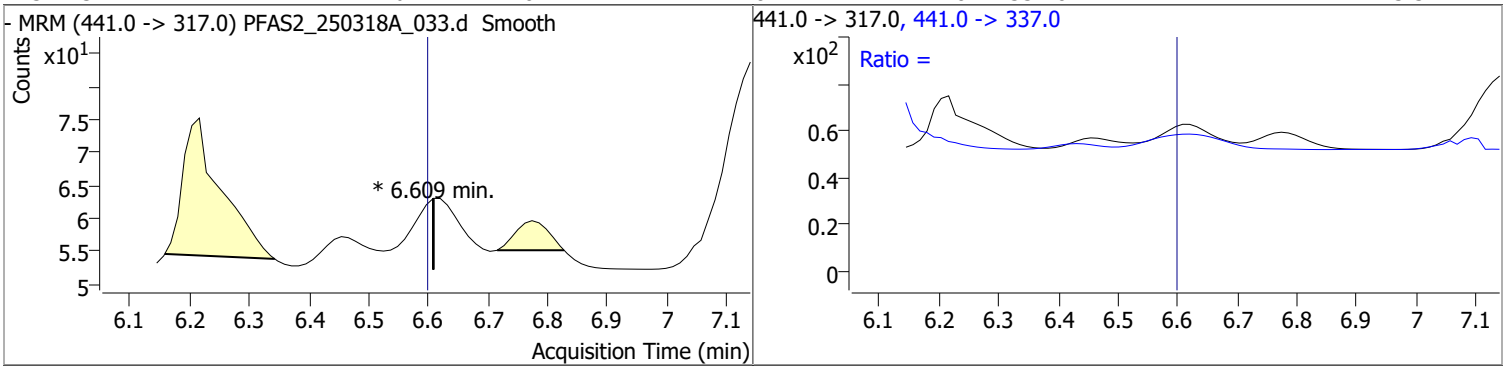
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2355	6.42	0.00	11407	529.0 -> 509.0	213.5	325.6	604.6



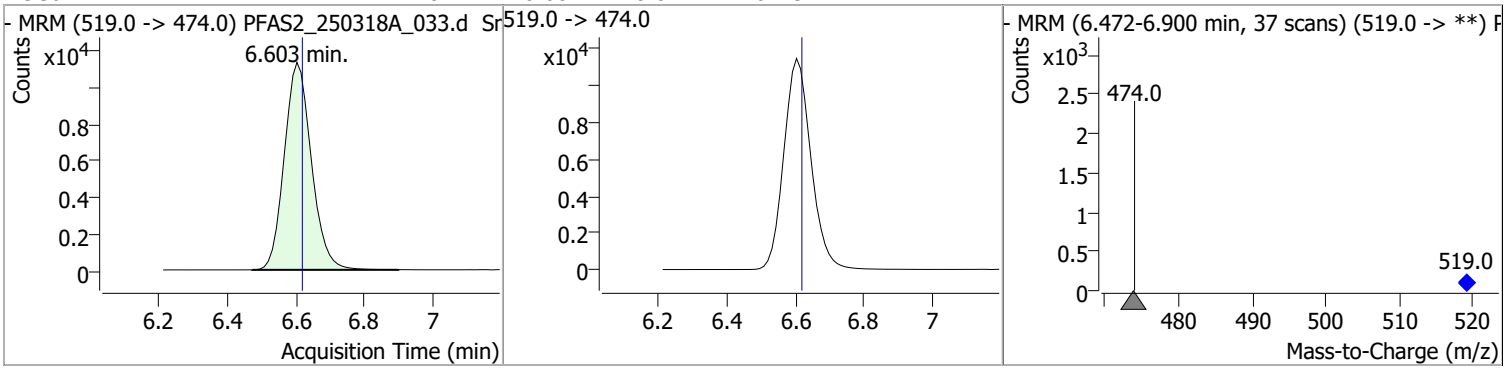
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



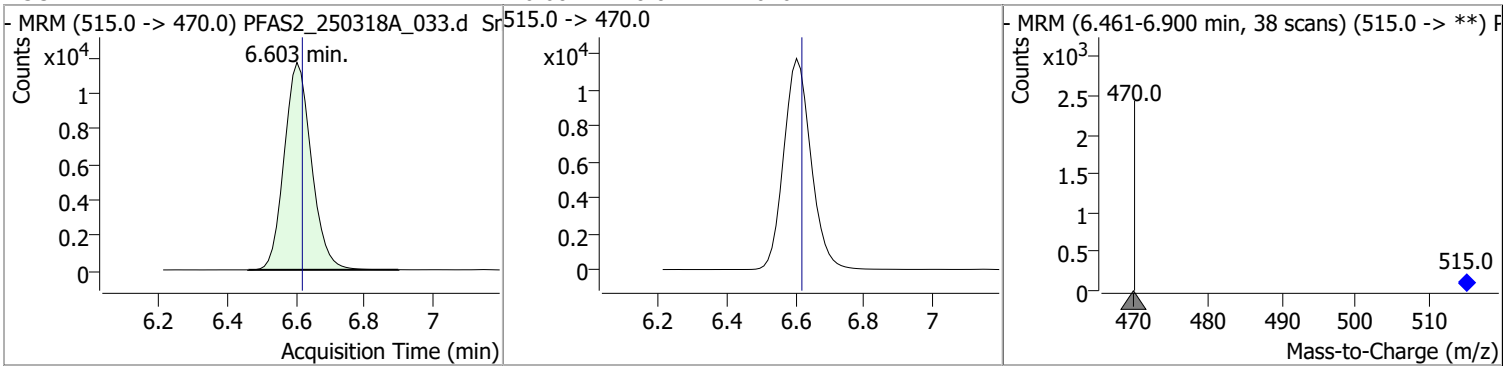
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



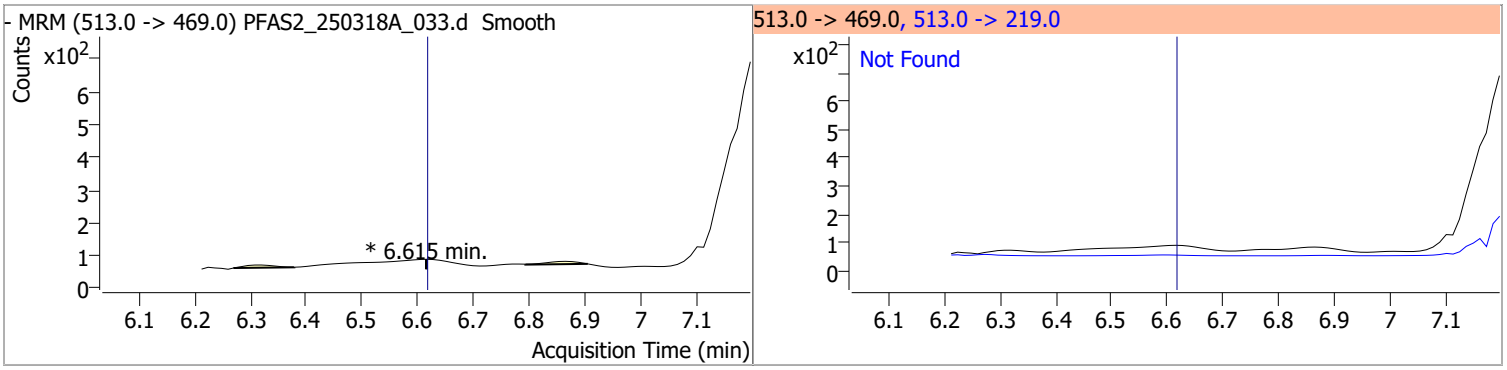
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1842	6.60	-0.01	62292				



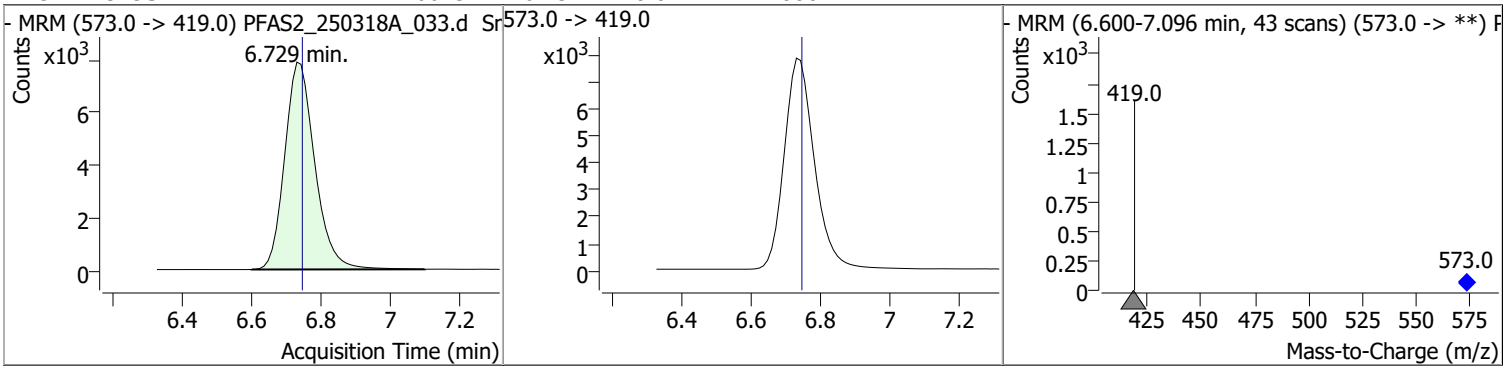
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	64642				



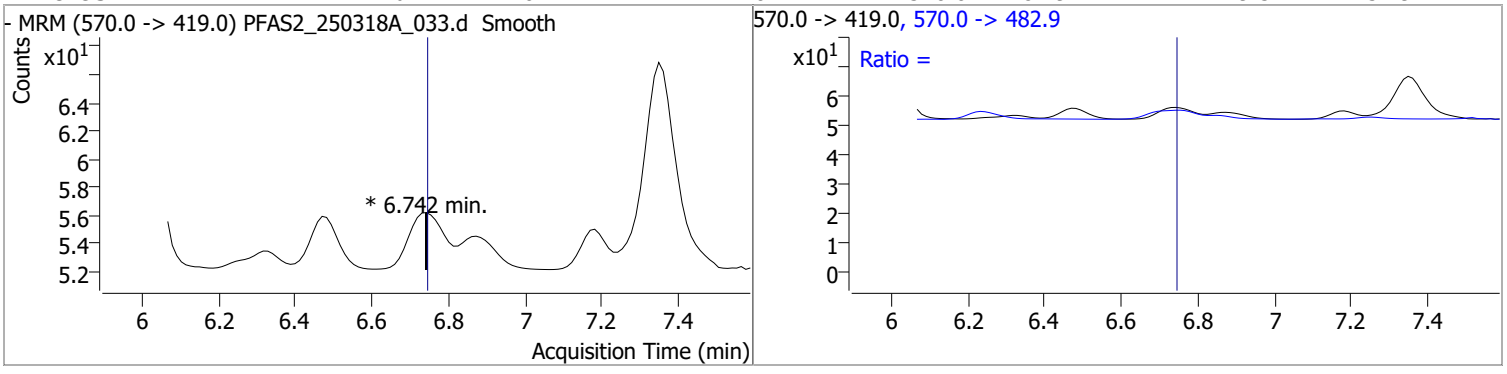
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



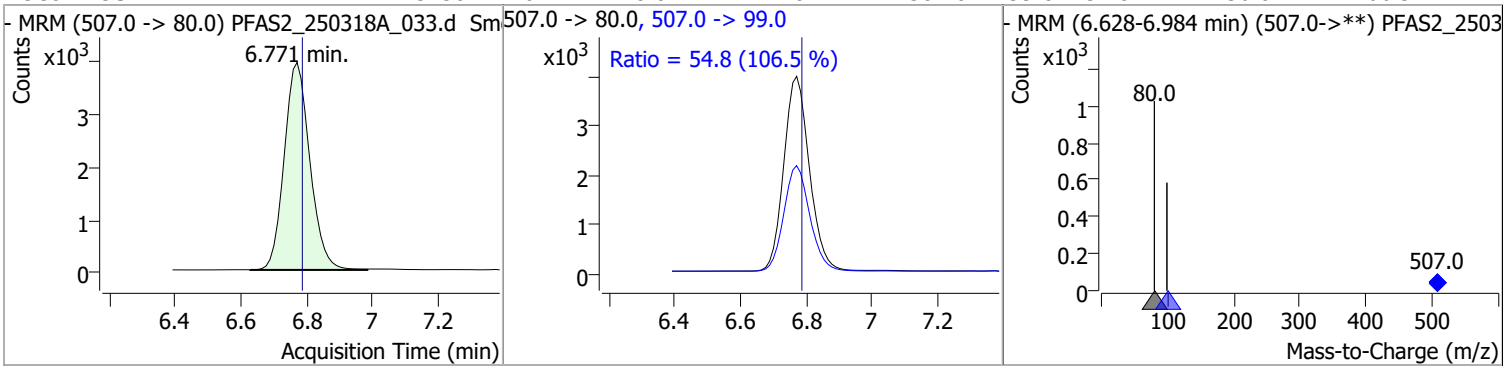
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6623	6.73	-0.01	47080				



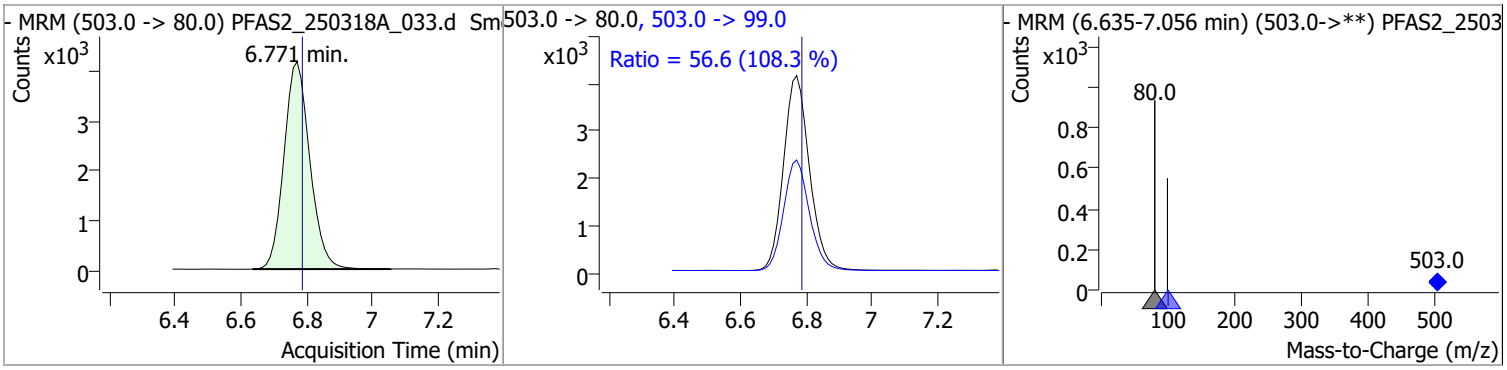
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



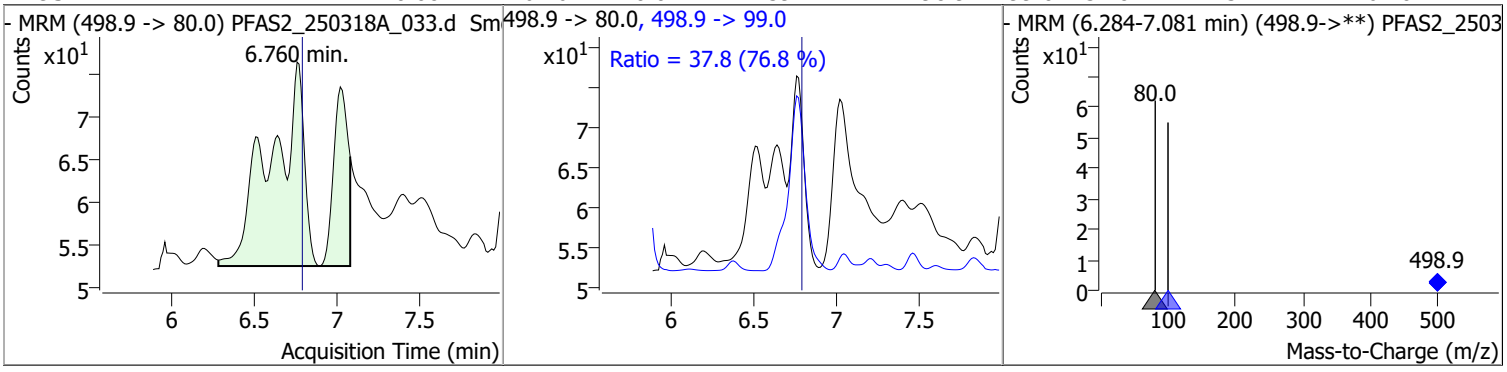
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3430	6.77	-0.01	21401	507.0 -> 99.0	54.8	36.0	66.9



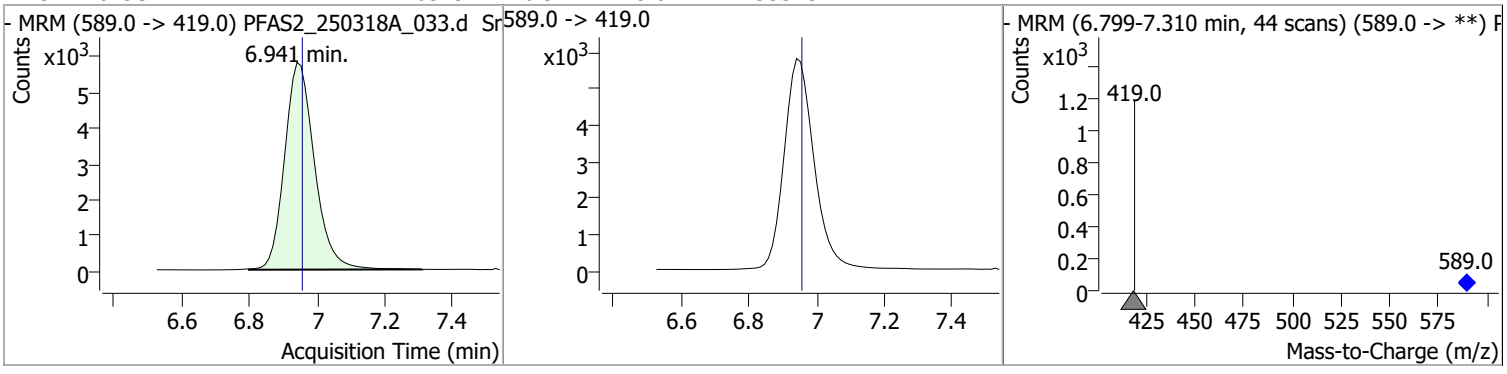
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22506	503.0 -> 99.0	56.6	36.6	67.9



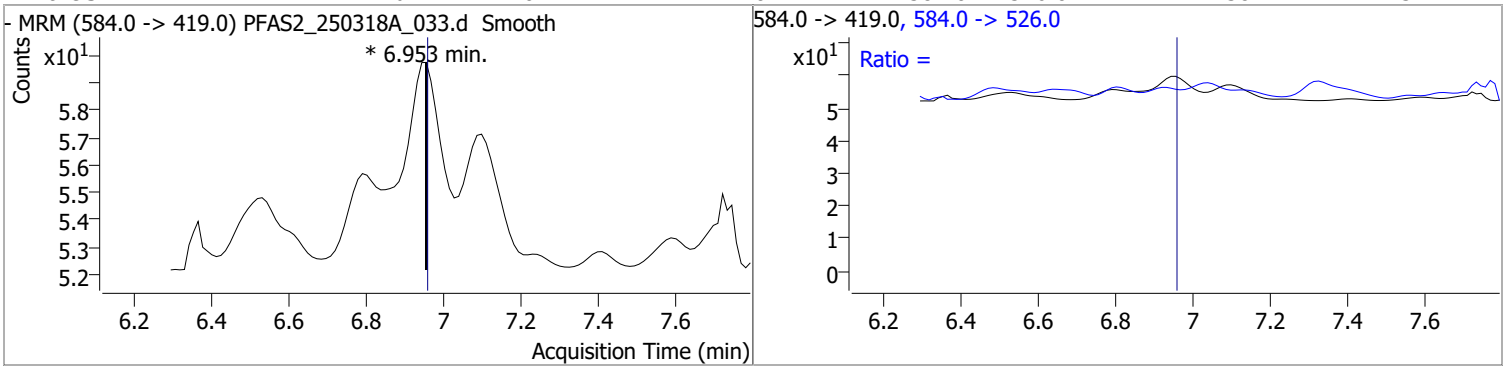
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0844	6.76	-0.02	459	498.9 -> 99.0	37.8	34.4	64.0



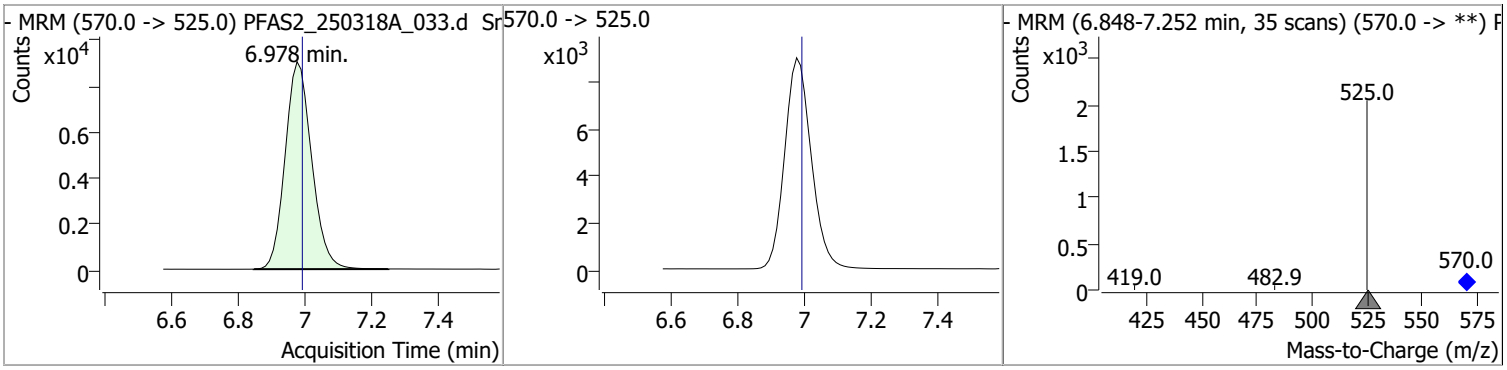
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6319	6.94	-0.01	35313				



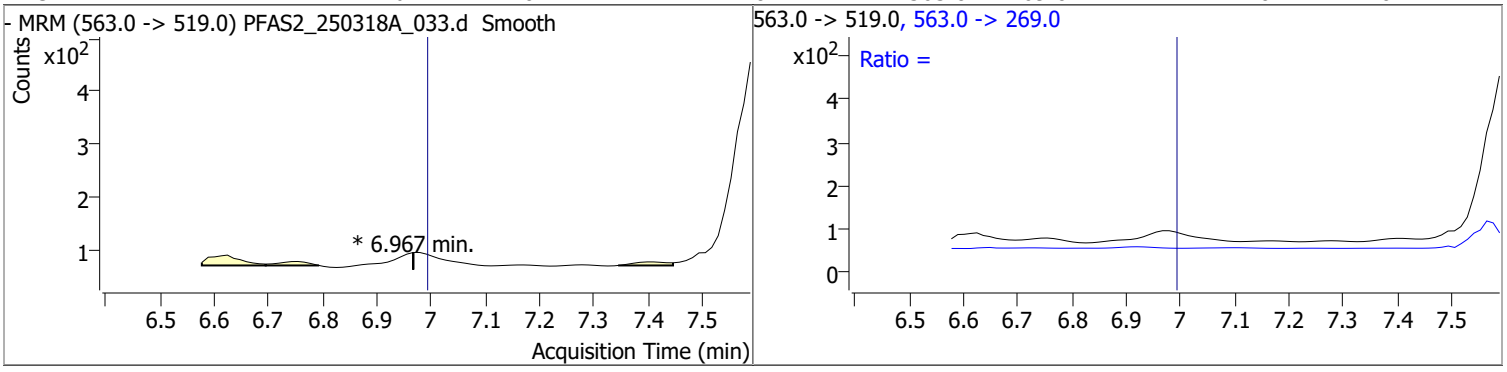
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



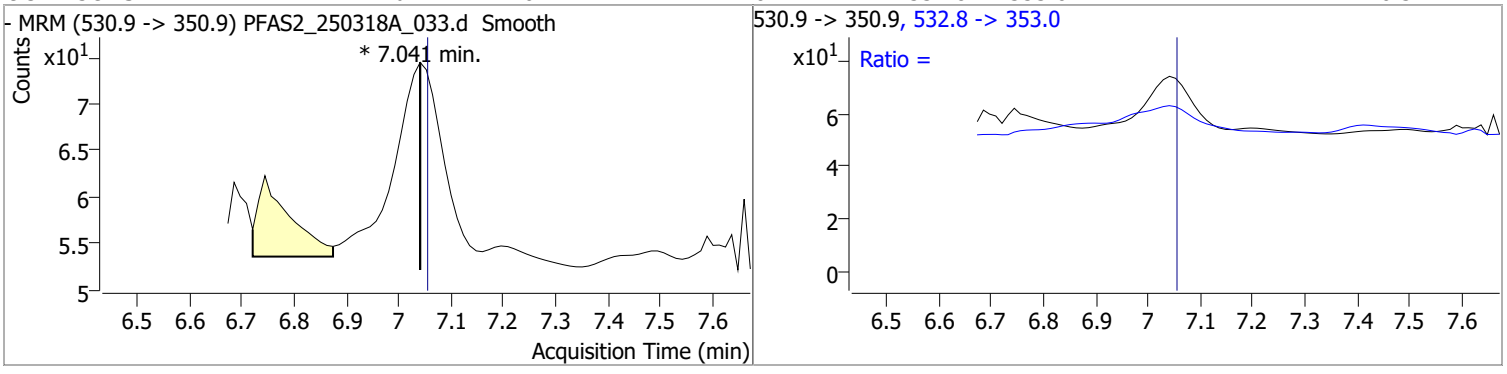
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2020	6.98	-0.01	49830				



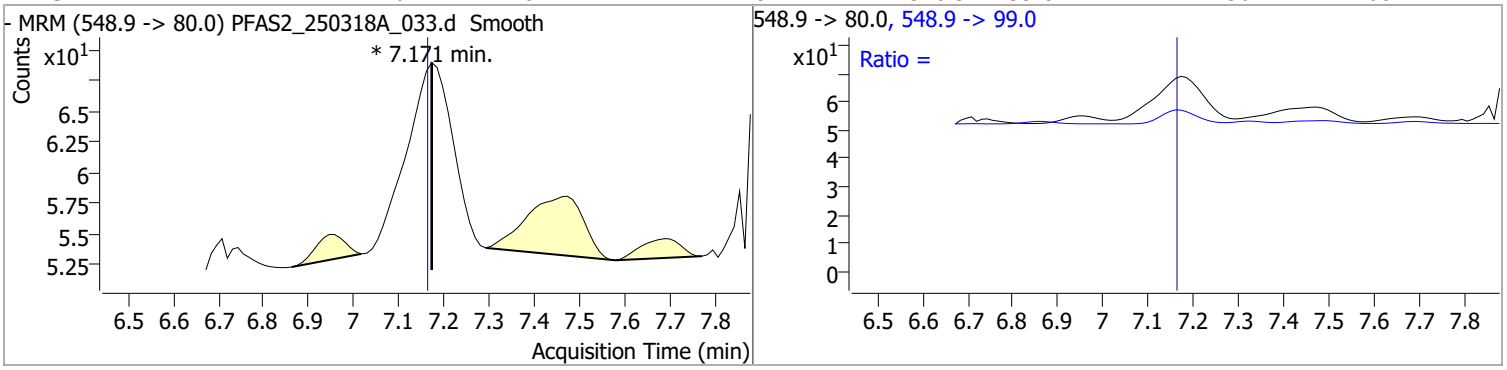
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



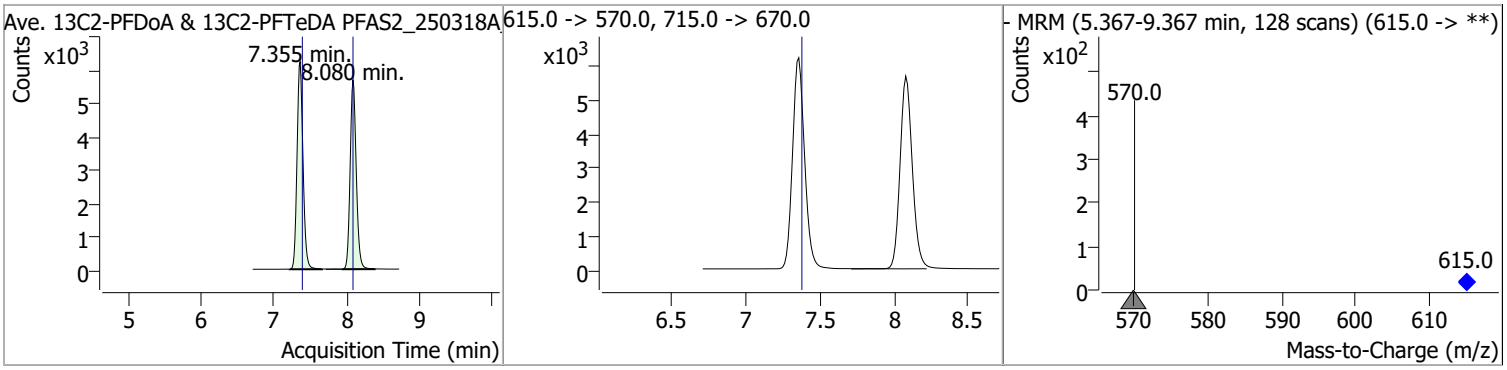
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



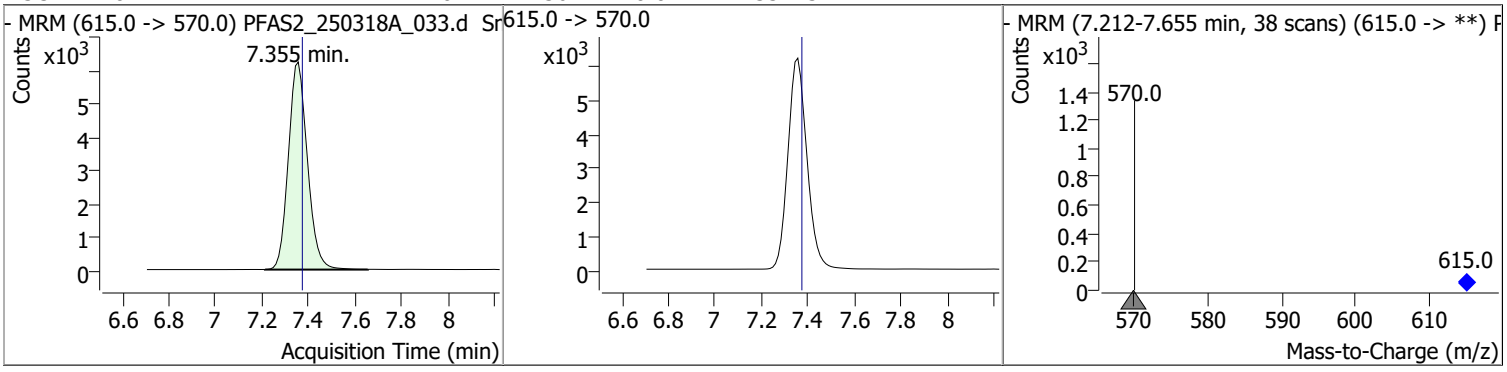
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



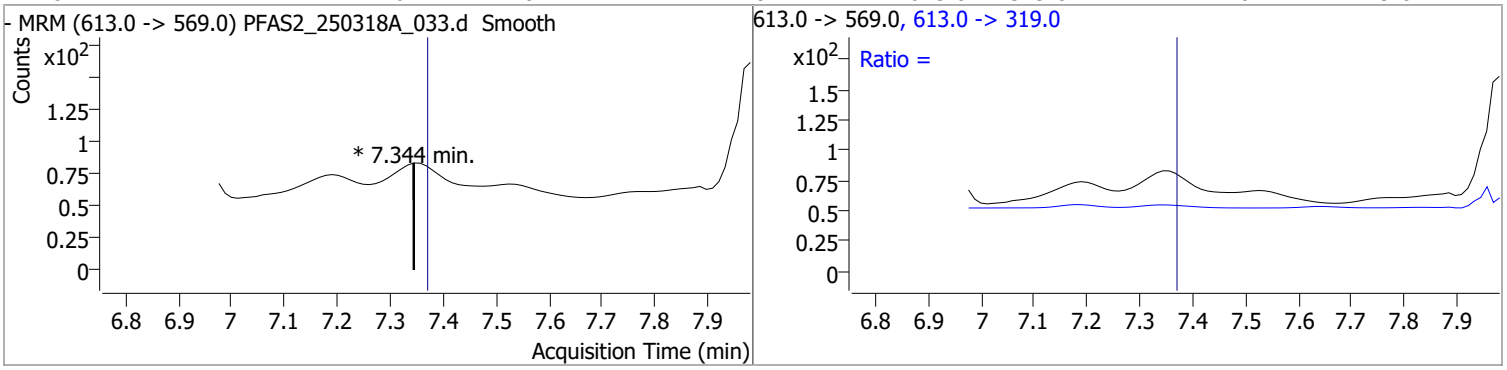
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9952	7.72	0.35	34003				



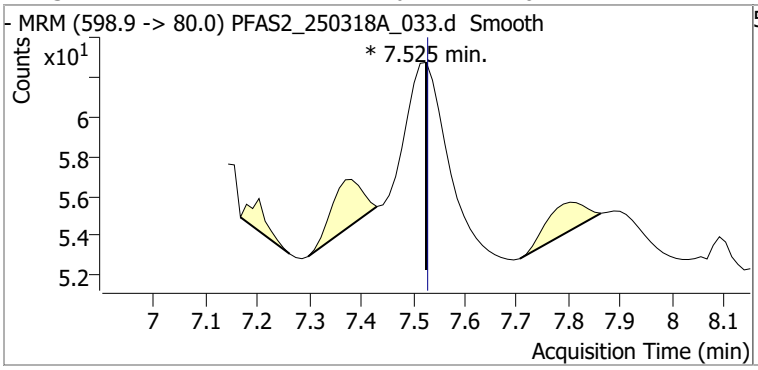
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1401	7.36	-0.01	35213				

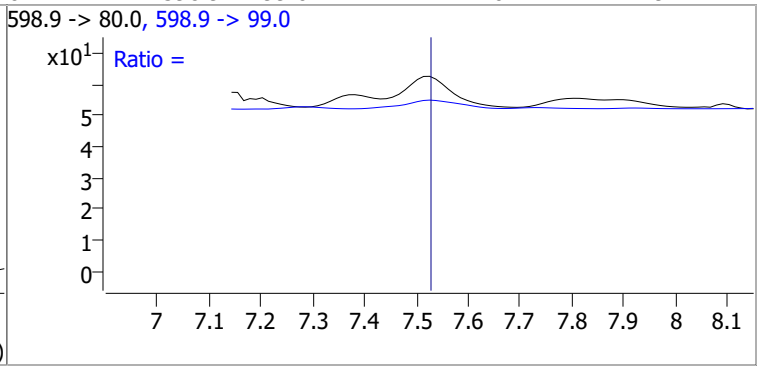


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

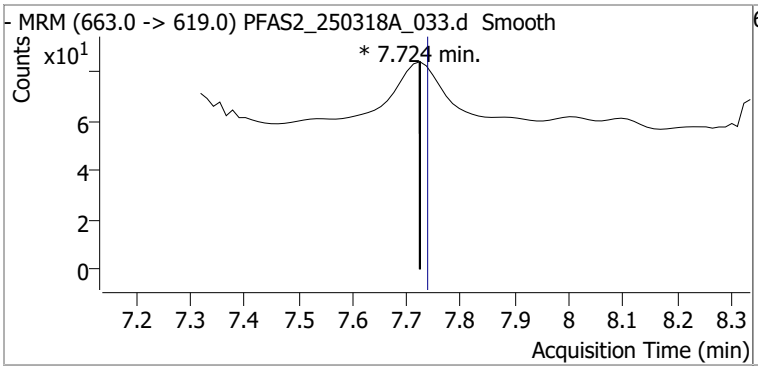


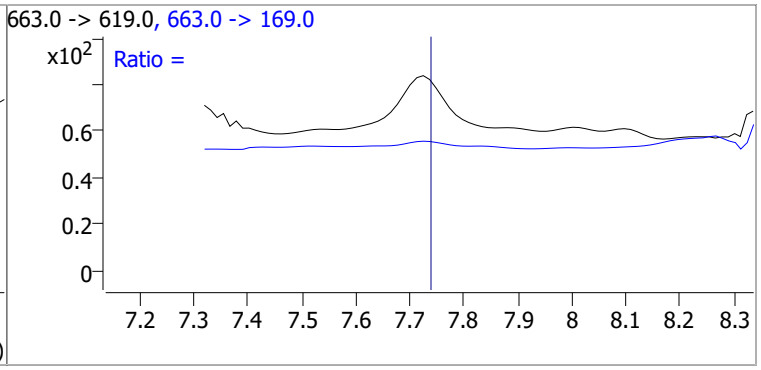
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



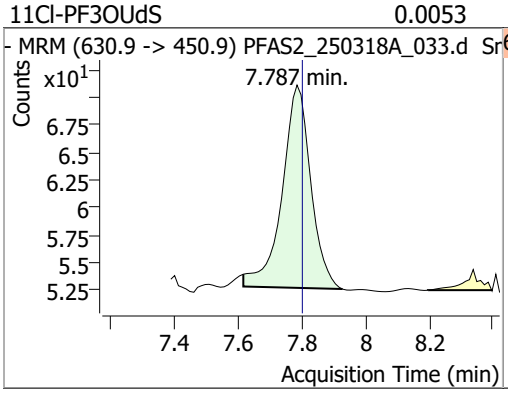


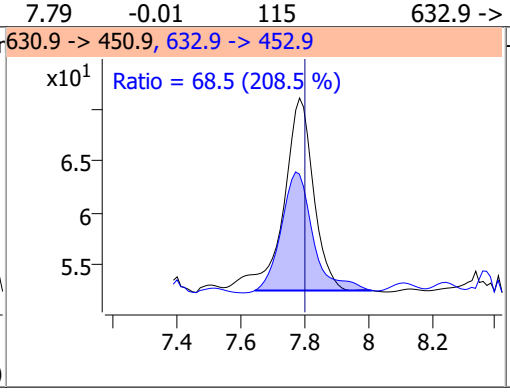
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4

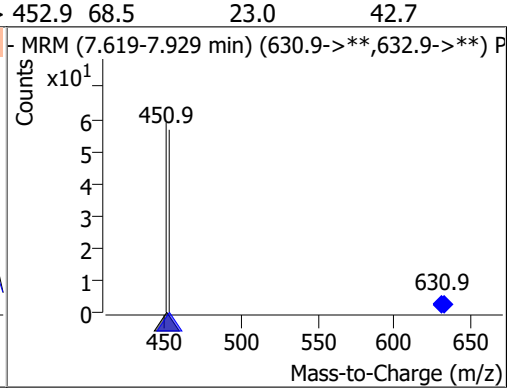




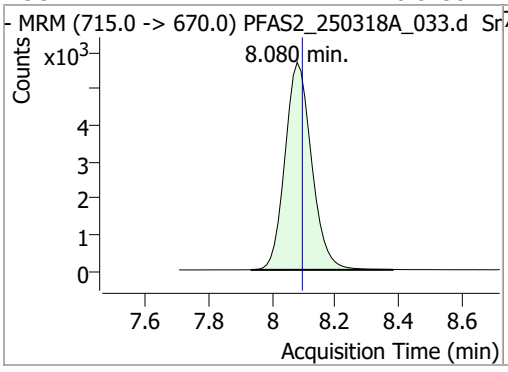
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0053	7.79	-0.01	115	632.9 -> 452.9	68.5	23.0	42.7

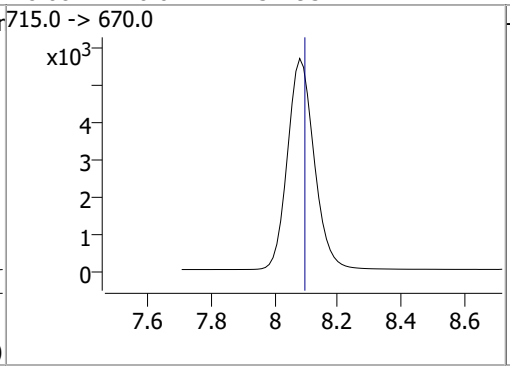


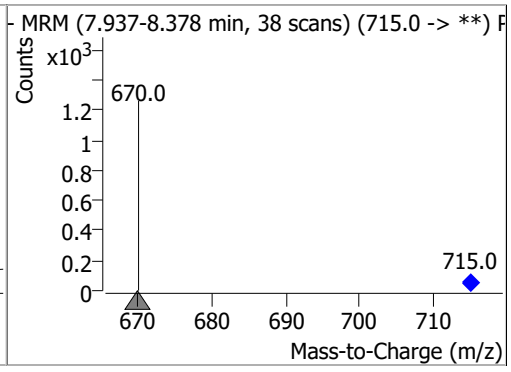




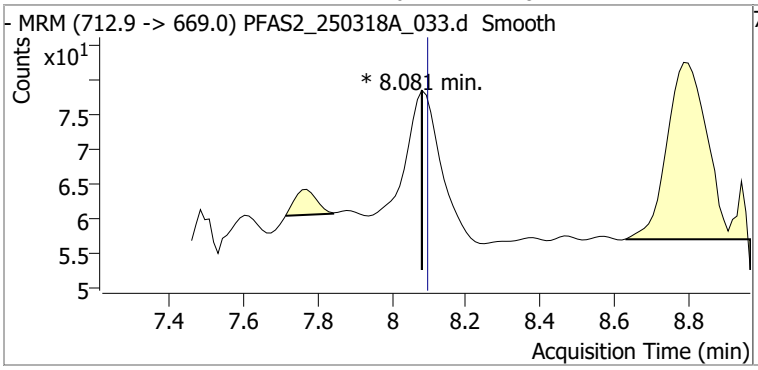
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8756	8.08	-0.01	32793				

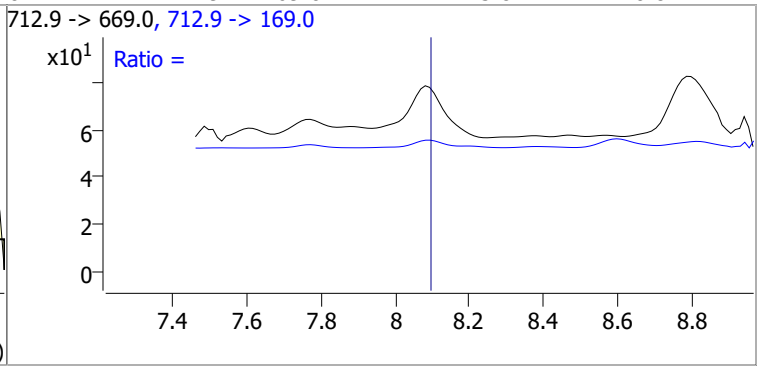




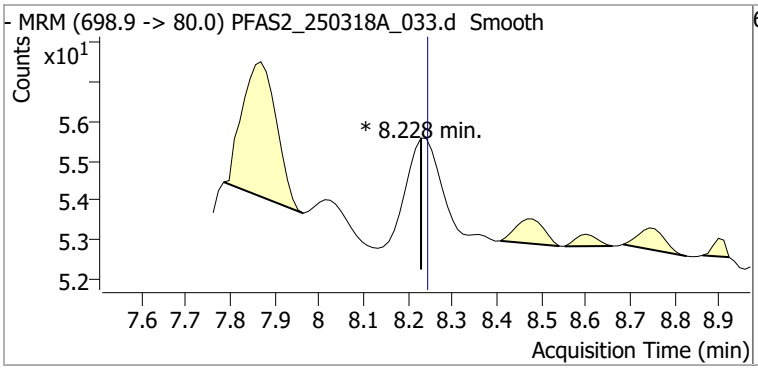


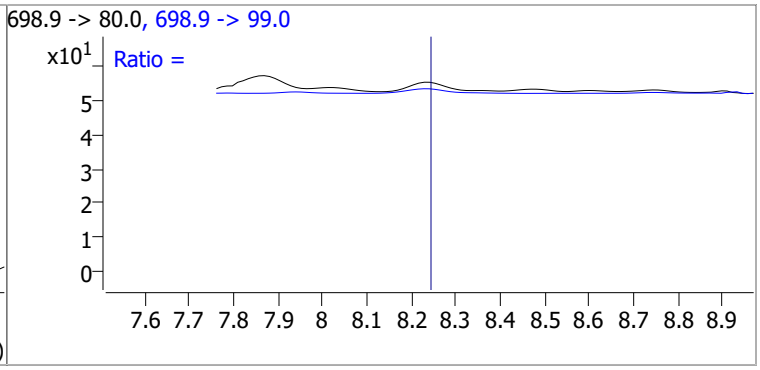
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



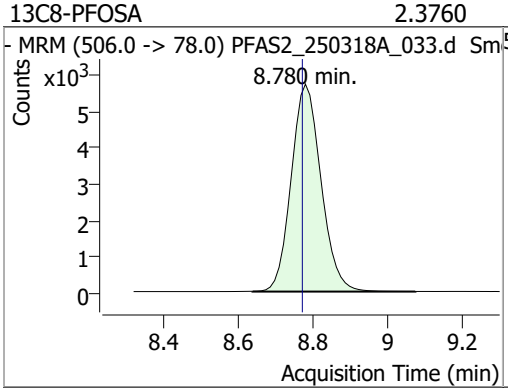


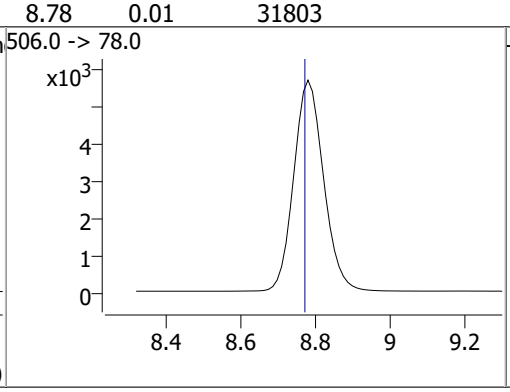
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

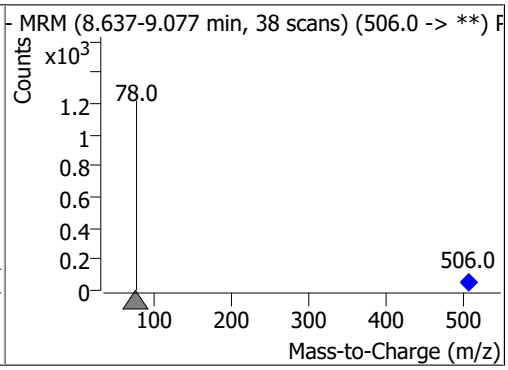




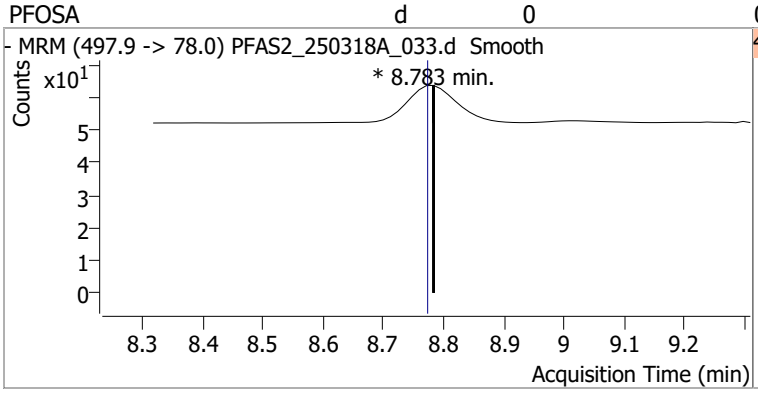
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3760	8.78	0.01	31803				

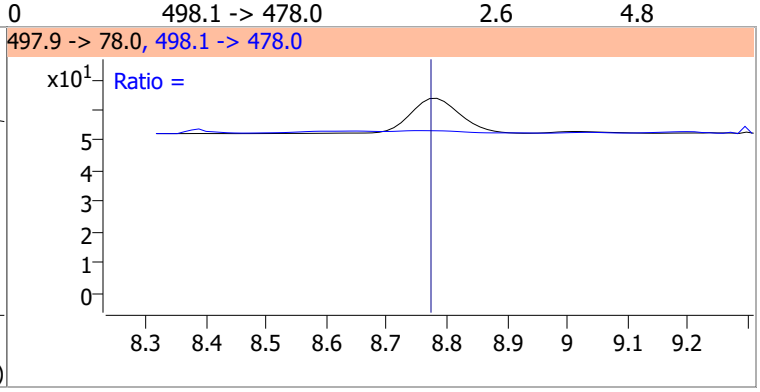




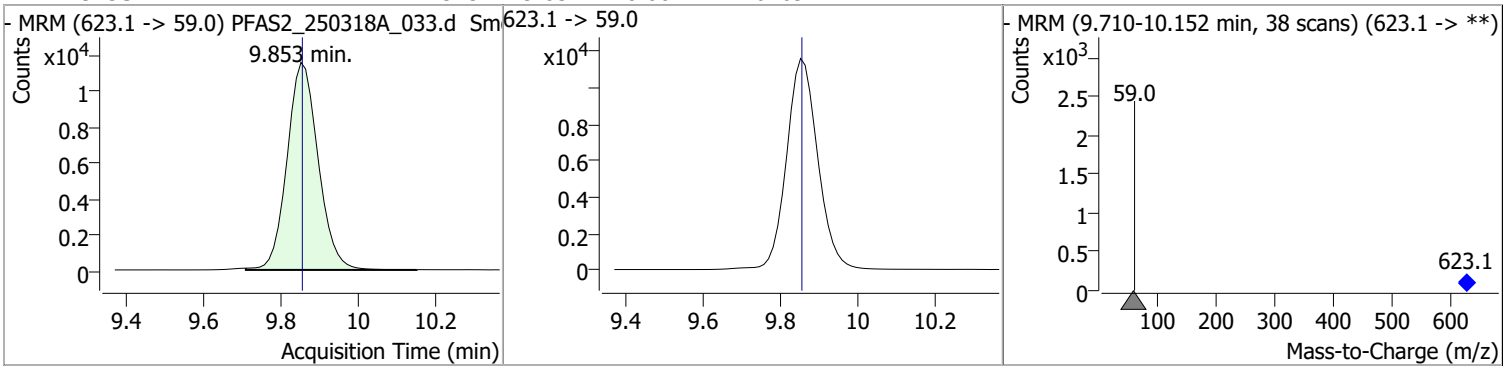


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

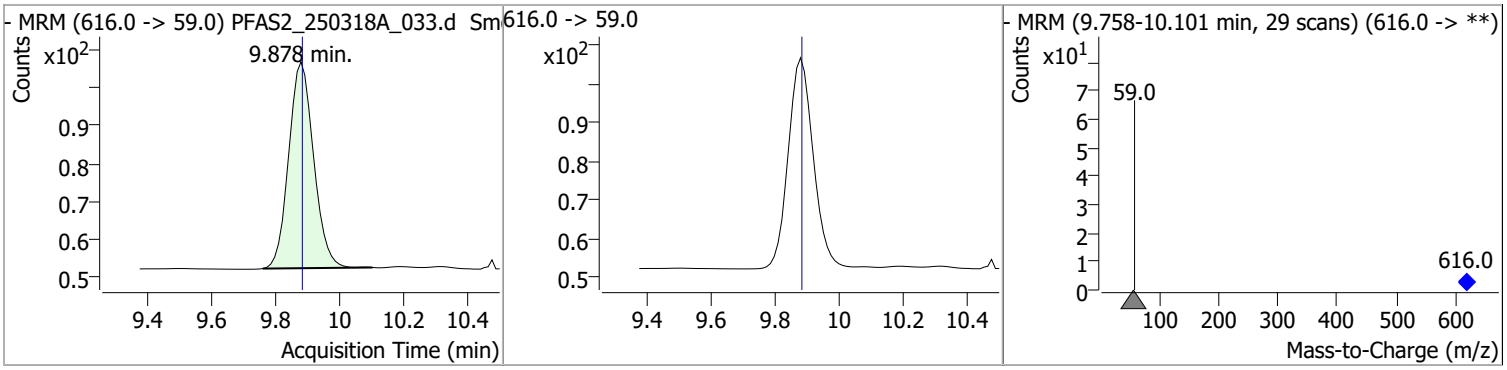




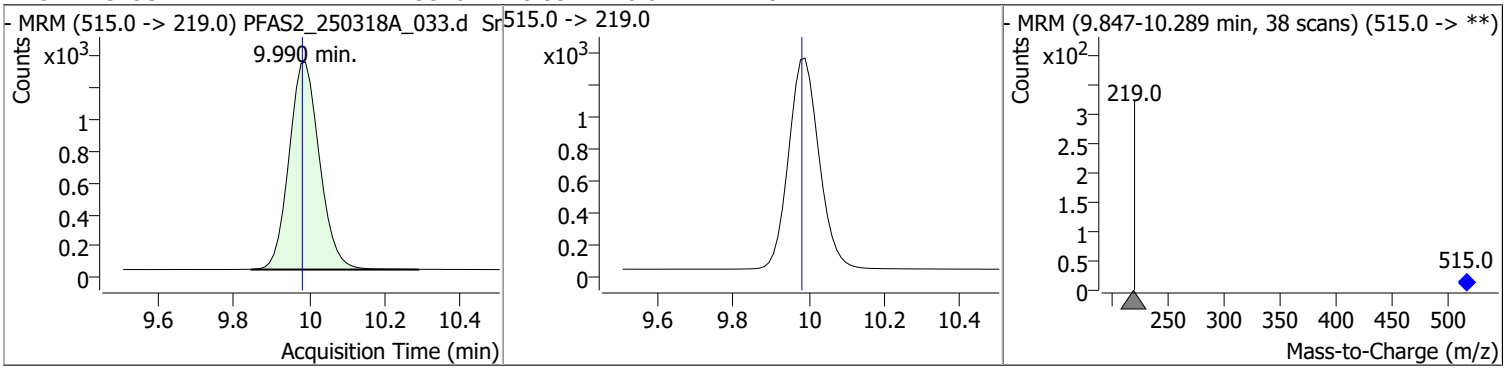
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.2575	9.85	0.00	64691				



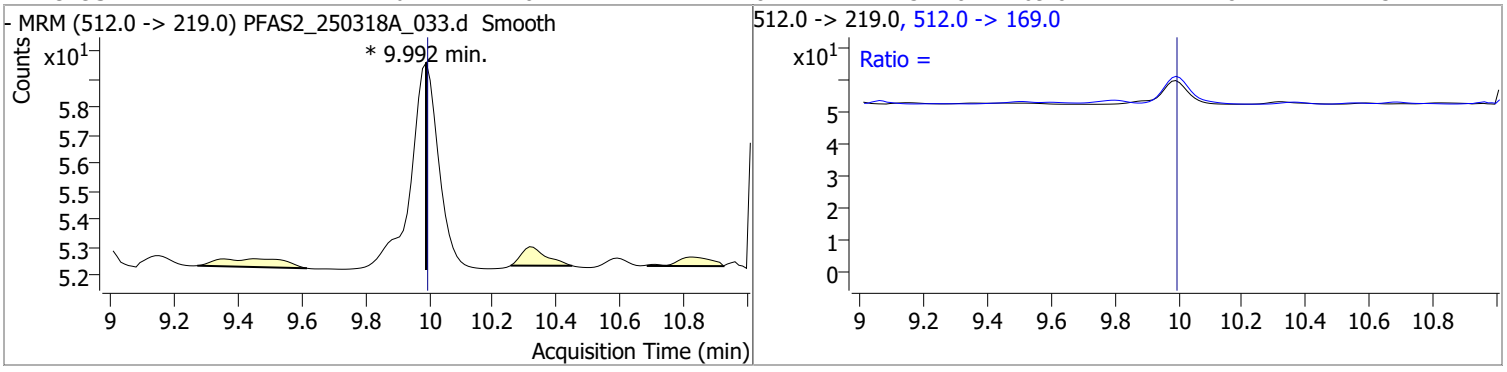
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1040	9.88	0.00	293				



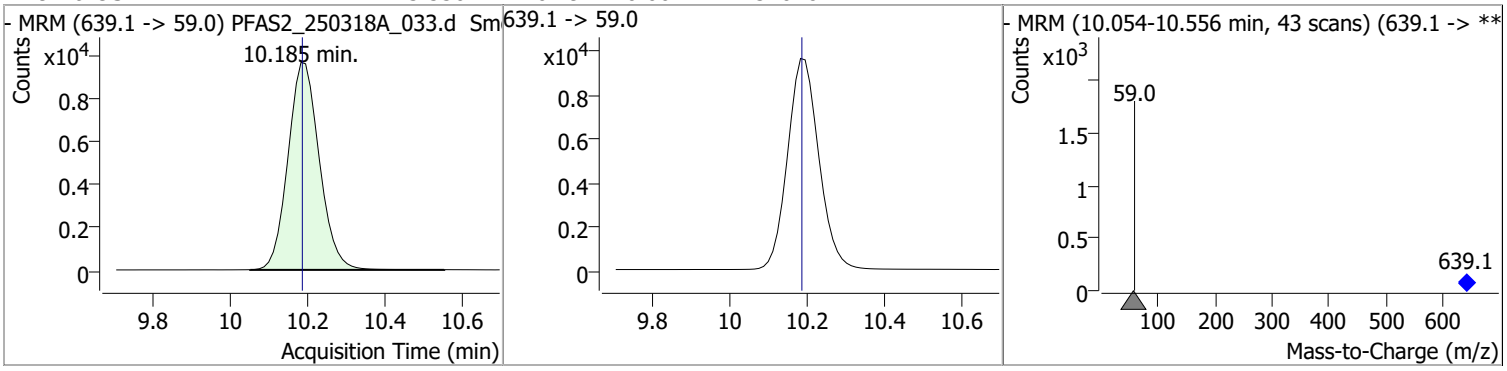
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.9546	9.99	0.01	7342				



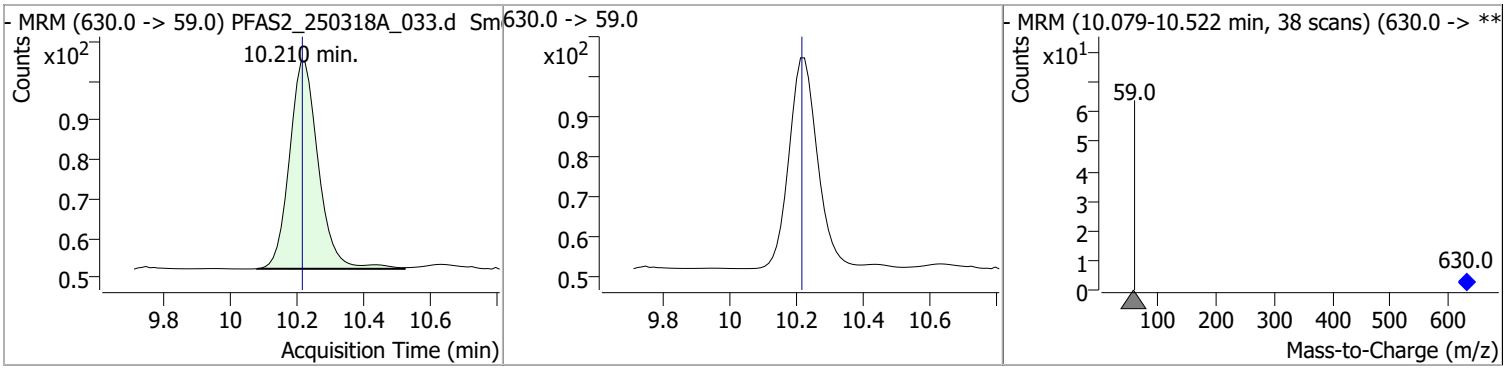
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



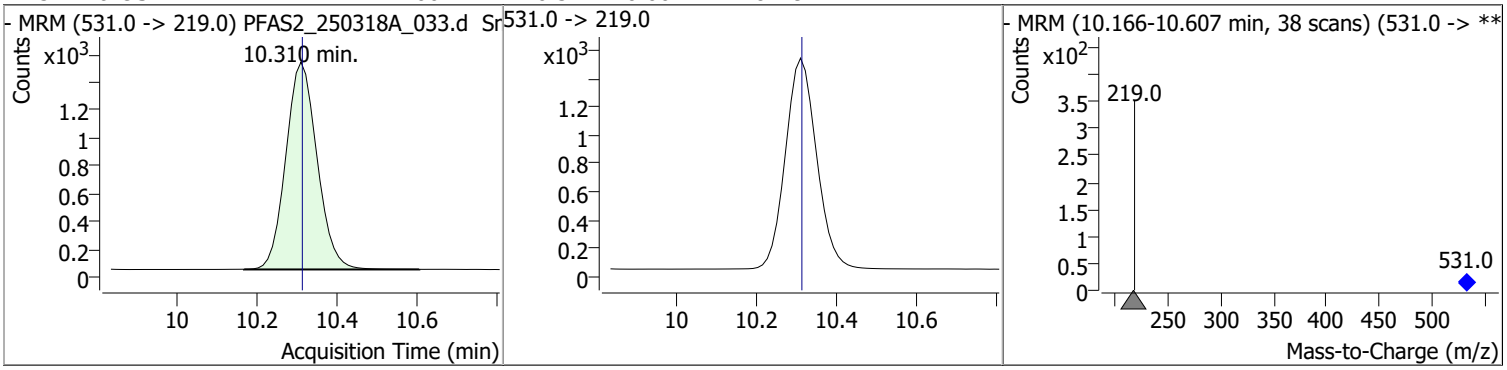
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.5307	10.19	0.00	54028				



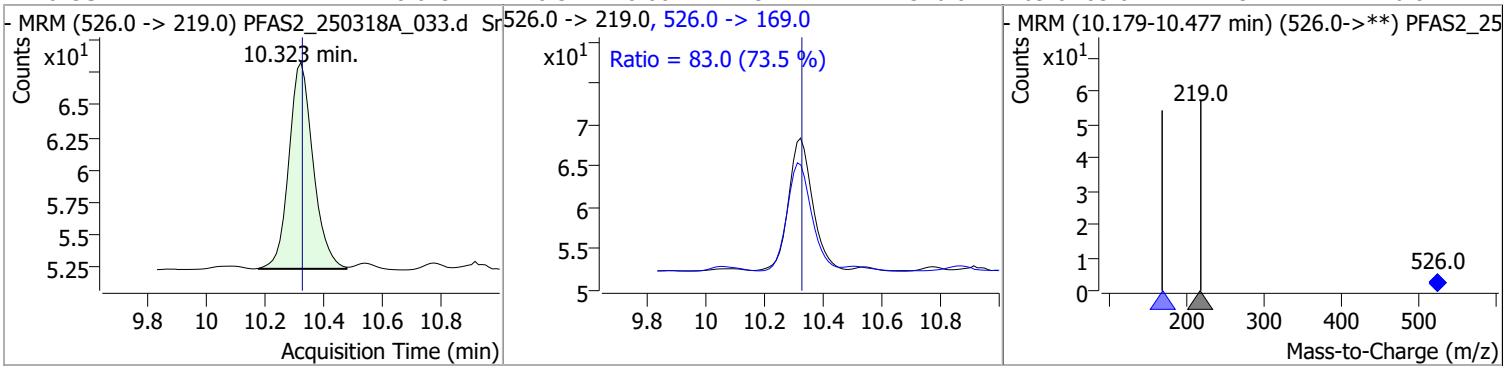
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.1743	10.21	0.00	320				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0014	10.31	0.00	8129				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0292	10.32	0.00	92	526.0 -> 169.0	83.0	79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_033.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:31:16 AM
Sample Name	O25C0550-09	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

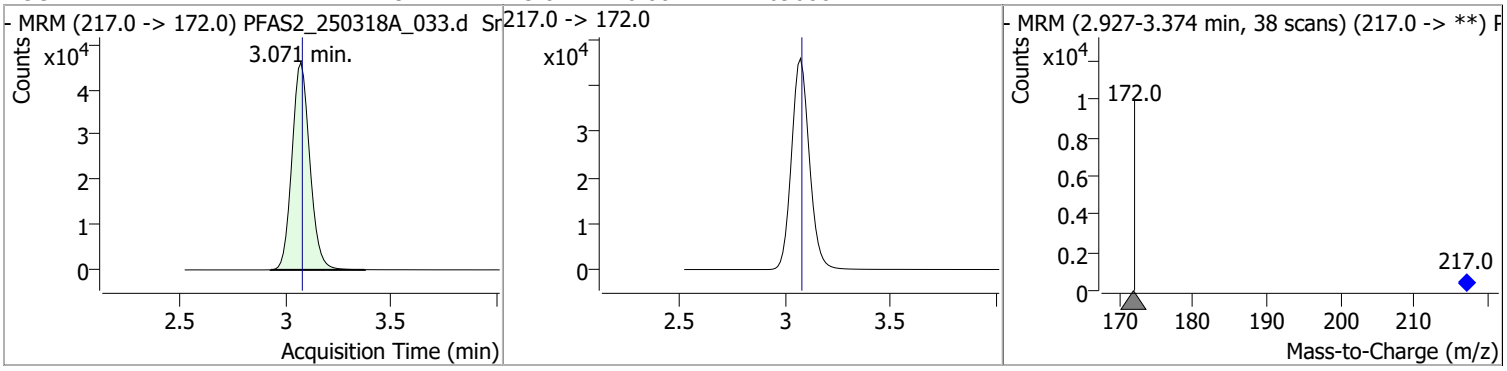
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	128683	5.0000	µg/L		-5.963
13C2-PFHxA	4.902	315.0 -> 270.0	144563	2.5000	µg/L		-5.776
18O2-PFHxS	5.967	403.0 -> 84.0	27214	2.5000	µg/L		-8.154
13C4-PFOA	5.835	417.0 -> 172.0	15270	2.5000	µg/L		-1.150
13C5-PFNA	6.226	468.0 -> 423.0	71740	1.2500	µg/L		0.798
13C2-PFDA	6.603	515.0 -> 470.0	64642	1.2500	µg/L		-3.341
13C4-PFOS	6.771	503.0 -> 80.0	22506	2.5000	µg/L		-9.650
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	269688	10.0000	µg/L		-13.236
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.22%			
13C5-PFPeA	4.234	268.0 -> 223.0	186915	5.0000	µg/L		-9.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.88%			
13C5-PFPeA	4.234	268.0 -> 223.0	186915	5.0000	µg/L		-9.667
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.88%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	29223	5.0000	µg/L	#	15.668
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 126.45%			
13C5-PFHxA	4.901	318.0 -> 273.0	144683	2.5000	µg/L		-14.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C5-PFHxA	4.901	318.0 -> 273.0	144683	2.5000	µg/L		-14.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C3-PFBS	4.941	302.0 -> 80.0	51021	2.5000	µg/L		-15.978
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.58%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	165397	10.0000	µg/L		-5.364
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.43%			
13C4-PFHpA	5.397	367.0 -> 322.0	172716	2.5000	µg/L		-8.561
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.07%			
13C3-PFHxS	5.956	402.0 -> 80.0	29117	2.5000	µg/L		-16.685
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.74%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15243	5.0000	µg/L	#	3.209
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.49%			
13C8-PFOA	5.835	421.0 -> 376.0	157950	2.5000	µg/L		-8.562
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.52%			
13C3-PFHxS	5.956	402.0 -> 80.0	29117	2.5000	µg/L		-16.685
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.74%			
13C9-PFNA	6.225	472.0 -> 427.0	65699	1.2500	µg/L		-6.762
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.46%			
13C8-PFOS	6.771	507.0 -> 80.0	21401	2.5000	µg/L		-15.358
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.72%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11407	5.0000	µg/L	#	-3.703
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.71%			
13C6-PFDA	6.603	519.0 -> 474.0	62292	1.2500	µg/L		-8.340
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.74%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47080	5.0000	µg/L		-15.655
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.25%			
13C8-PFOS	6.771	507.0 -> 80.0	21401	2.5000	µg/L		-15.358

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.72%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	35313	5.0000	µg/L		-16.260
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.64%			
13C7-PFUnDA	6.978	570.0 -> 525.0	49830	1.2500	µg/L		-7.039
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.16%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	34003	1.2500	µg/L		-22.921
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 79.61%			
13C2-PFDoDA	7.355	615.0 -> 570.0	35213	1.2500	µg/L		-11.845
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.21%			
13C2-PFTDA	8.080	715.0 -> 670.0	32793	1.2500	µg/L		-32.084
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.05%			
13C8-PFOSA	8.780	506.0 -> 78.0	31803	2.5000	µg/L		-13.955
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
2H7-MeFOSE	9.853	623.1 -> 59.0	64691	25.0000	µg/L		-48.513
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 57.03%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7342	2.5000	µg/L		-29.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 78.18%			
2H9-EtFOSE	10.185	639.1 -> 59.0	54028	25.0000	µg/L		-14.929
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.12%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8129	2.5000	µg/L		-27.678
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.06%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	9950	0.5013	µg/L		100
PFMPA	3.614	229.0 -> 85.0	29	0.0566	µg/L		100
3-3 FTCA	3.766	241.0 -> 177.0	7	0.0000	µg/L		21
PFPeA	4.235	263.0 -> 219.0	24250	0.7247	µg/L	#	100
PFMBA	4.453	279.0 -> 85.0	12	0.0341	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	47	0.0027	µg/L		41
NFDHA	4.775	295.0 -> 201.0	3	0.0032	µg/L		48
PFHxA	4.904	313.0 -> 269.0	30261	0.5845	µg/L		99
PFBS	4.942	298.9 -> 80.0	16987	0.8024	µg/L		95
HFPO-DA	5.110	285.0 -> 169.0	66	0.0045	µg/L	#	16
PFEESA	4.866	314.9 -> 135.0	17	0.0518	µg/L	#	1
PFHpA	5.398	363.0 -> 319.0	12827	0.2131	µg/L		94
5-3 FTCA	5.245	341.0 -> 237.0	67	0.1936	µg/L		4
PFPeS	5.506	348.9 -> 80.0	495	0.0315	µg/L		94
DONA	5.564	377.0 -> 251.0	251	0.0700	µg/L	#	56
6-2 FTSA	5.654	427.0 -> 407.0	100	0.1192	µg/L	#	71
PFOA	5.824	413.0 -> 369.0	19079	0.3408	µg/L		96
PFHxS	5.957	398.9 -> 80.0	2116	0.1868	µg/L		94
PFNA	6.773	463.0 -> 419.0	2041	0.0466	µg/L		91
PFHpS	6.239	448.9 -> 80.0	51	0.0057	µg/L	#	38
8-2 FTSA	6.424	527.0 -> 507.0	17	0.0757	µg/L	#	18
7-3 FTCA	6.609	441.0 -> 317.0	37	0.2566	µg/L		95
PFDA	6.615	513.0 -> 469.0	208	0.0014	µg/L		68
N-MeFOSAA	6.742	570.0 -> 419.0	56	0.0148	µg/L	#	76
PFOS	6.760	498.9 -> 80.0	459	0.0844	µg/L		83
N-EtFOSAA	6.953	584.0 -> 419.0	94	0.0251	µg/L		85
PFUnDA	6.967	563.0 -> 519.0	141	0.0170	µg/L	#	83
9Cl-PF3ONS	7.041	530.9 -> 350.9	134	0.0675	µg/L	#	1
PFNS	7.171	548.9 -> 80.0	109	0.0149	µg/L	#	60
PFDoDA	7.344	613.0 -> 569.0	80	0.0031	µg/L		92
PFDS	7.525	598.9 -> 80.0	42	0.0077	µg/L		83
PFTrDA	7.724	663.0 -> 619.0	138	0.0054	µg/L	#	50

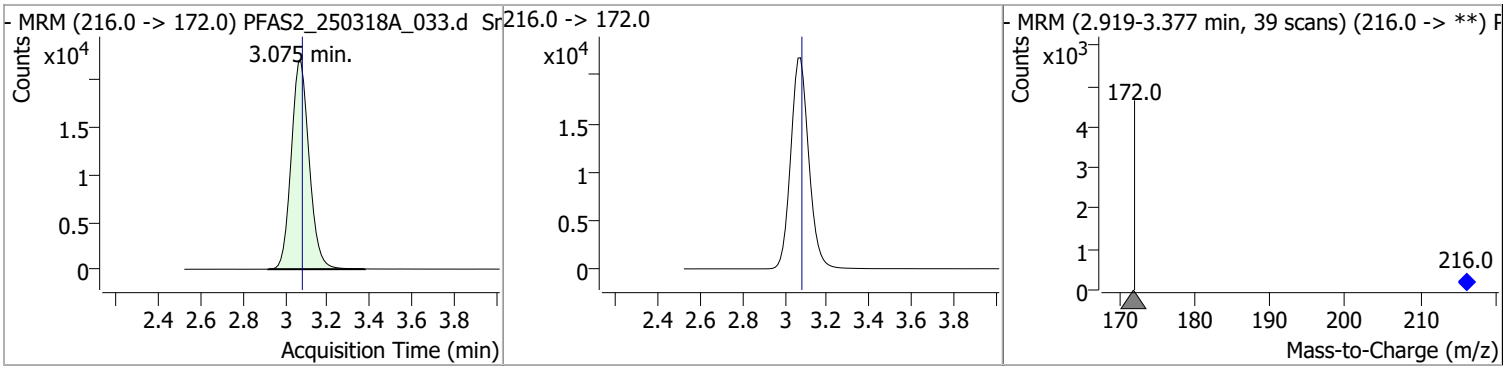
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	115	0.0053	µg/L	#	37
PFTDA	8.081	712.9 -> 669.0	88	0.0101	µg/L	#	72
PFDoS	8.228	698.9 -> 80.0	14	0.0037	µg/L		79
PFOSA	8.783	497.9 -> 78.0	64	0.0058	µg/L	#	86
MeFOSE	9.878	616.0 -> 59.0	293	0.1040	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	42	0.0153	µg/L		99
EtFOSE	10.210	630.0 -> 59.0	320	0.1743	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	92	0.0292	µg/L		72

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

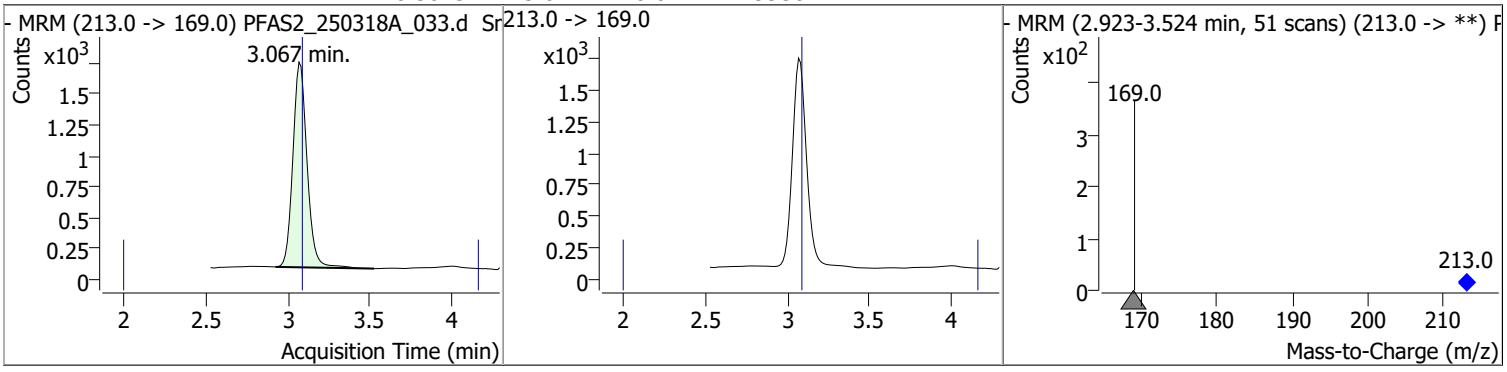
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.2224	3.07	0.00	269688				



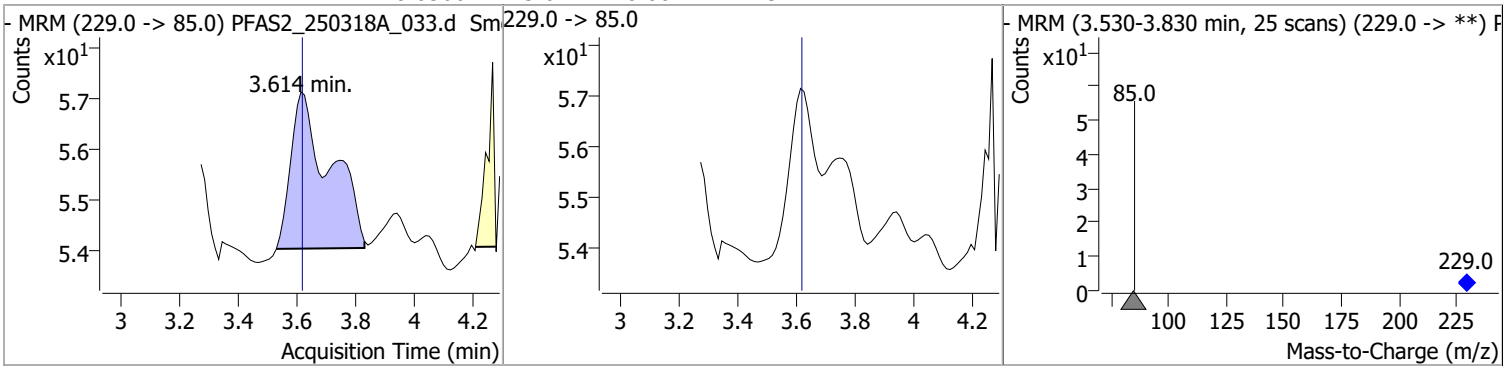
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	128683				



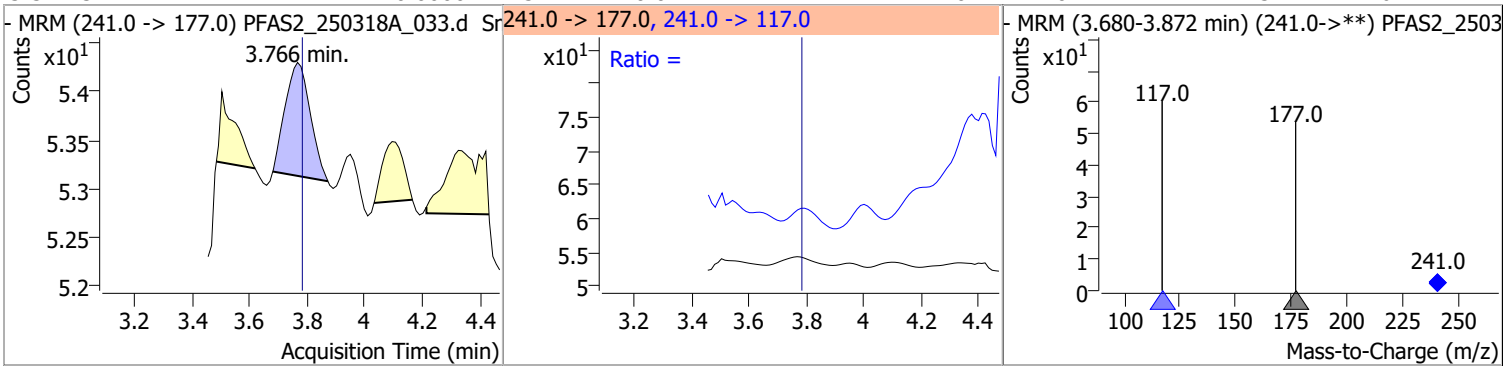
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.5013	3.07	-0.01	9950				



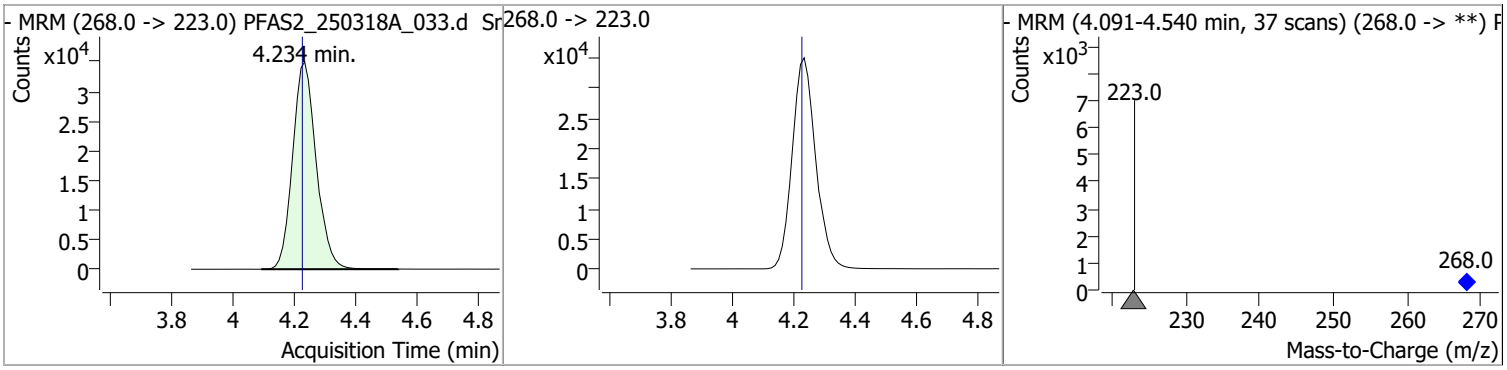
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0566	3.61	0.00	29				



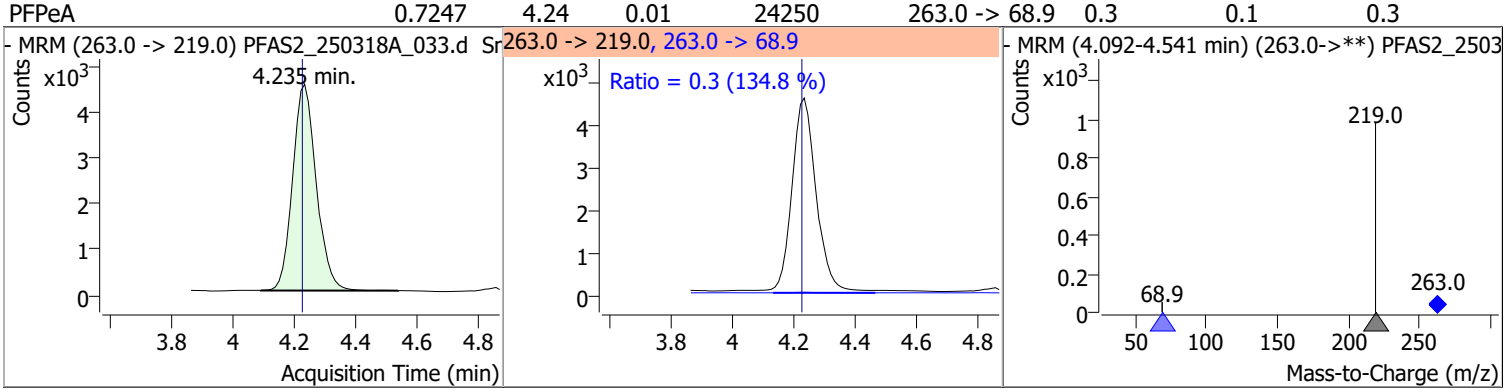
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.77	-0.01	7	241.0 -> 117.0		41.3	76.7



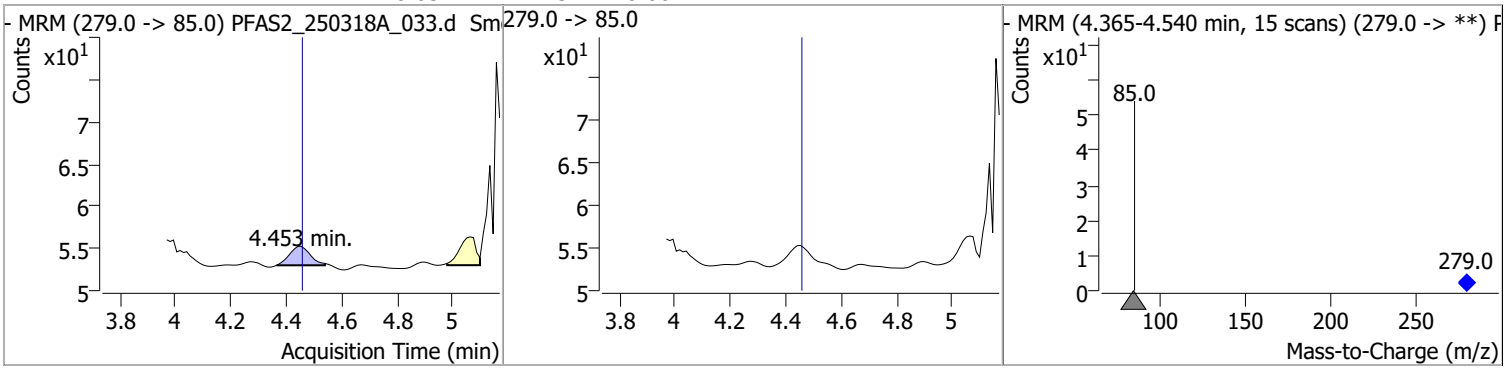
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7938	4.23	0.01	186915				



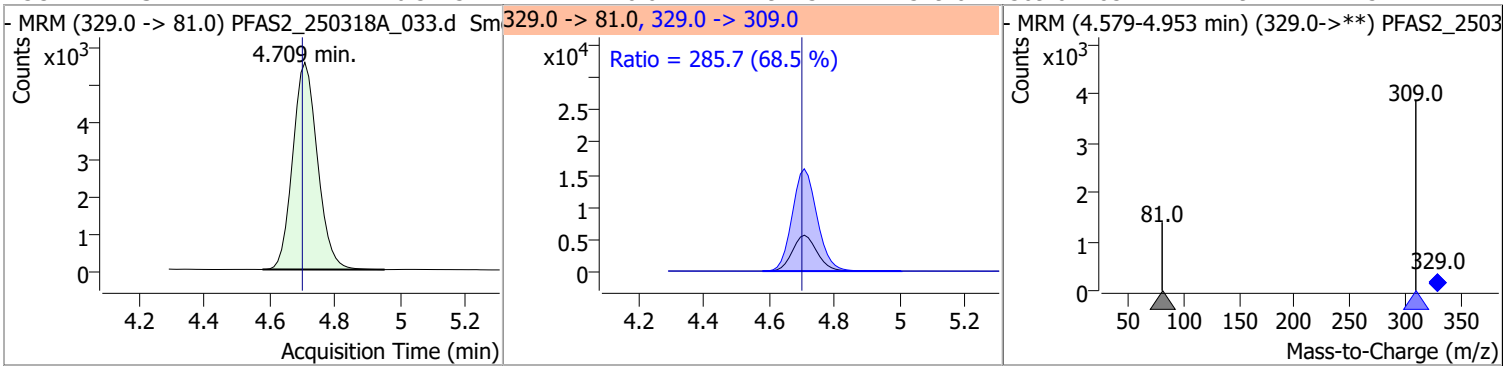
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.7247	4.24	0.01	24250	263.0 -> 68.9	0.3	0.1	0.3



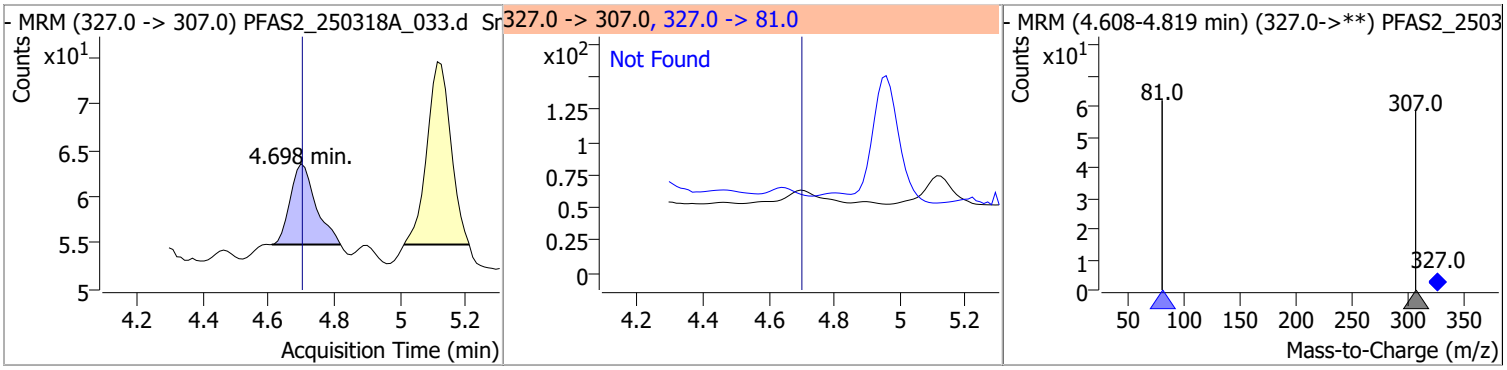
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0341	4.45	0.00	12				



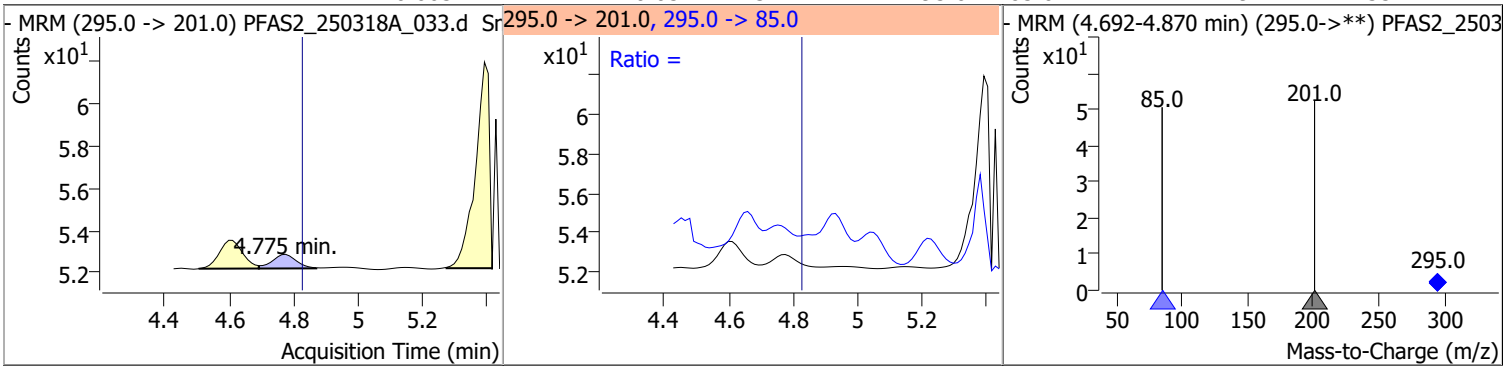
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.3223	4.71	0.01	29223	329.0 -> 309.0	285.7	292.1	542.4



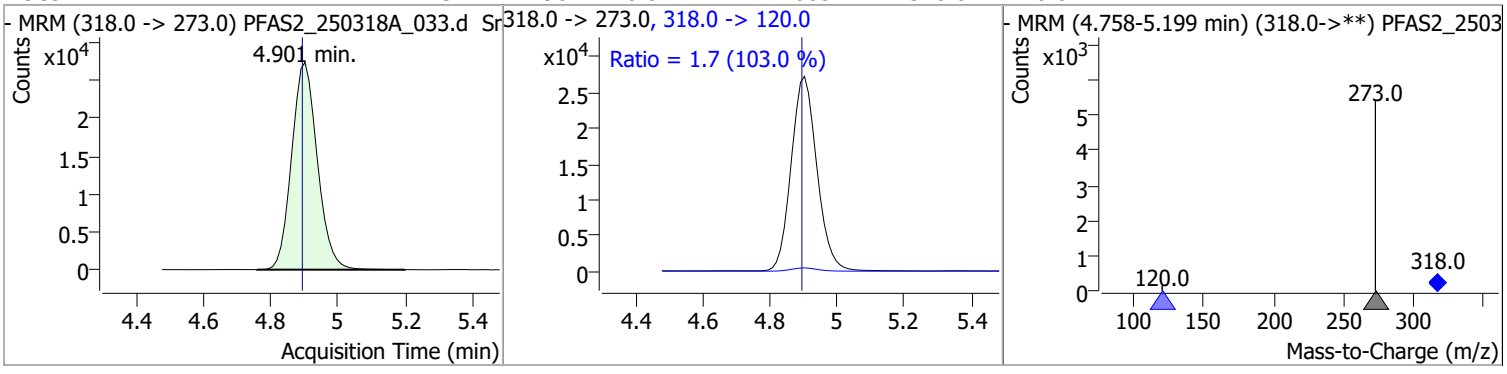
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0027	4.70	0.00	47	327.0 -> 81.0		23.6	43.9



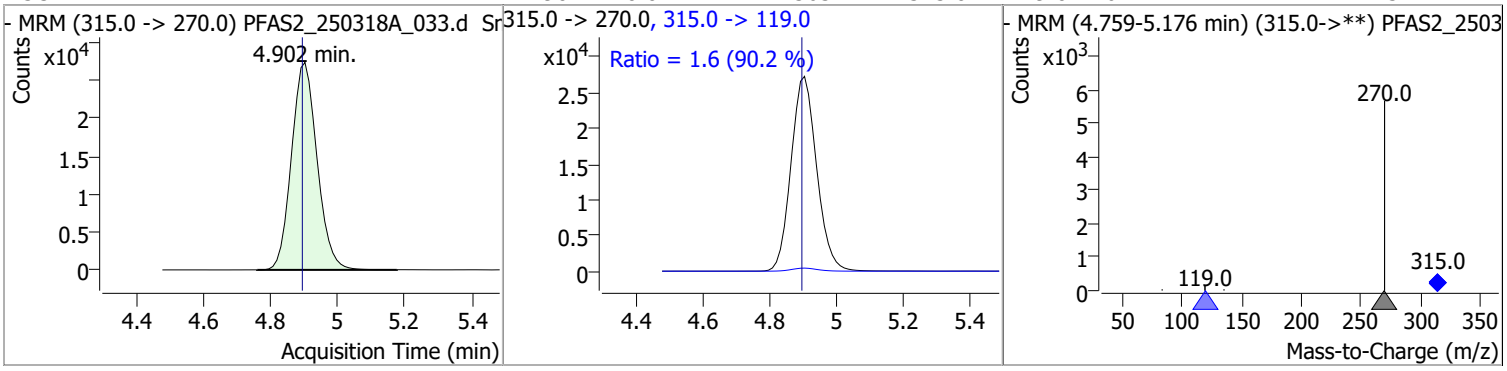
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0032	4.77	-0.05	3	295.0 -> 85.0		19.1	35.4



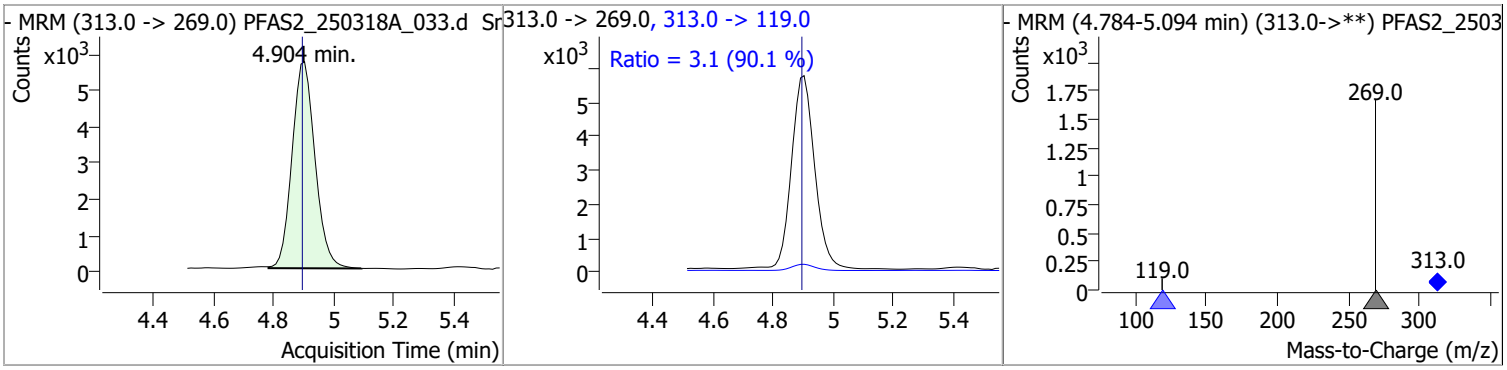
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2731	4.90	0.01	144683	318.0 -> 120.0	1.7	1.1	2.1



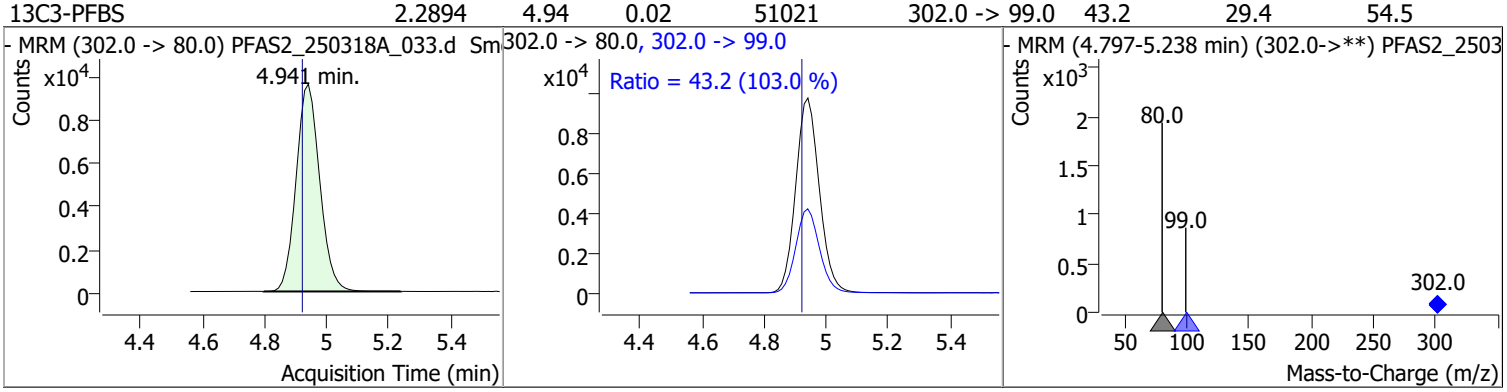
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	144563	315.0 -> 119.0	1.6	1.2	2.3



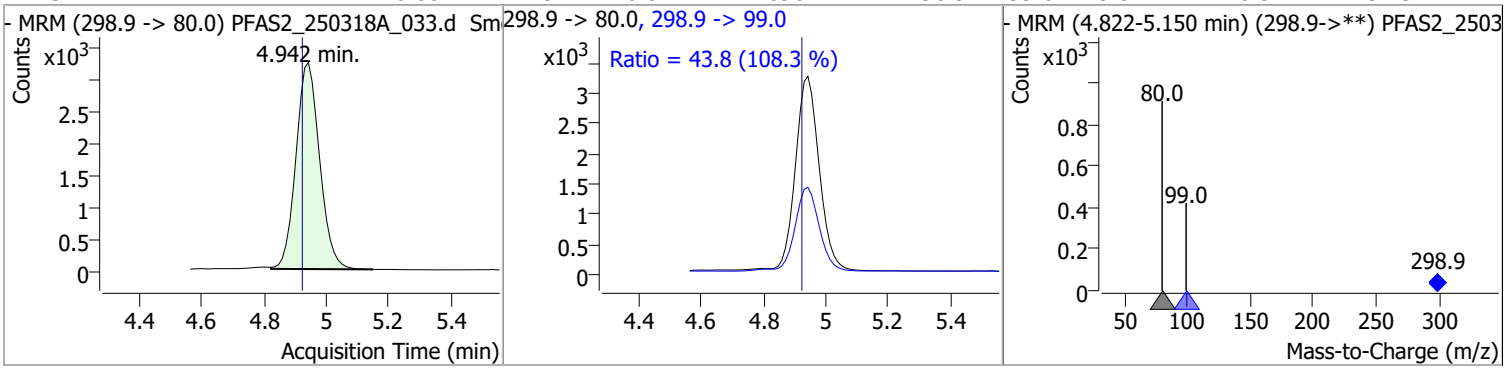
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5845	4.90	0.01	30261	313.0 -> 119.0	3.1	2.4	4.5



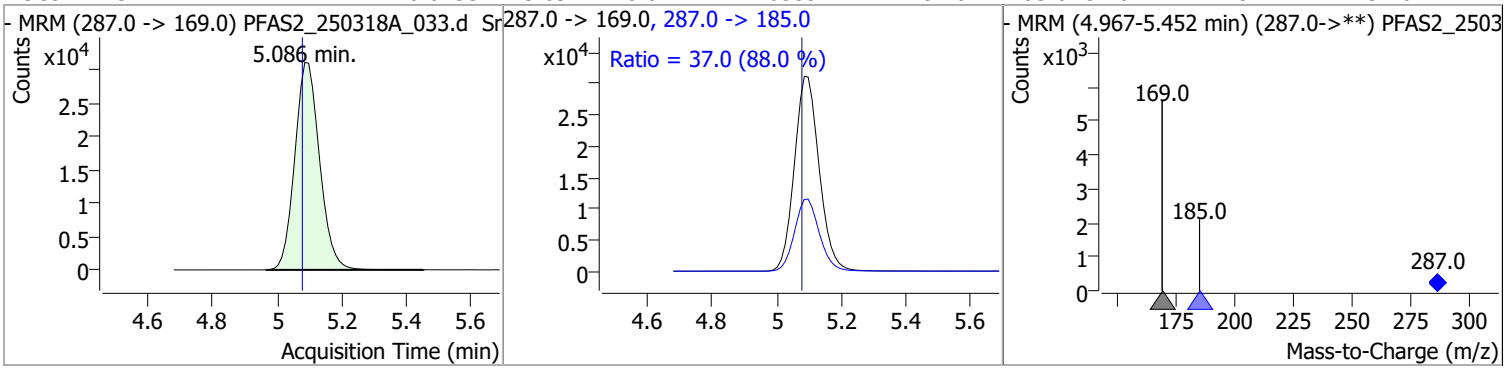
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2894	4.94	0.02	51021	302.0 -> 99.0	43.2	29.4	54.5



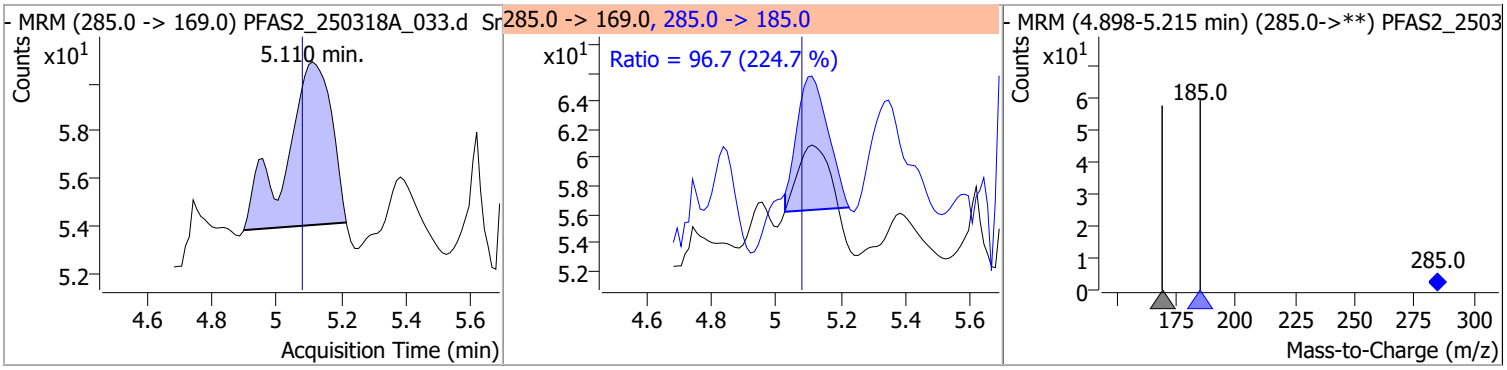
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.8024	4.94	0.02	16987	298.9 -> 99.0	43.8	28.3	52.5



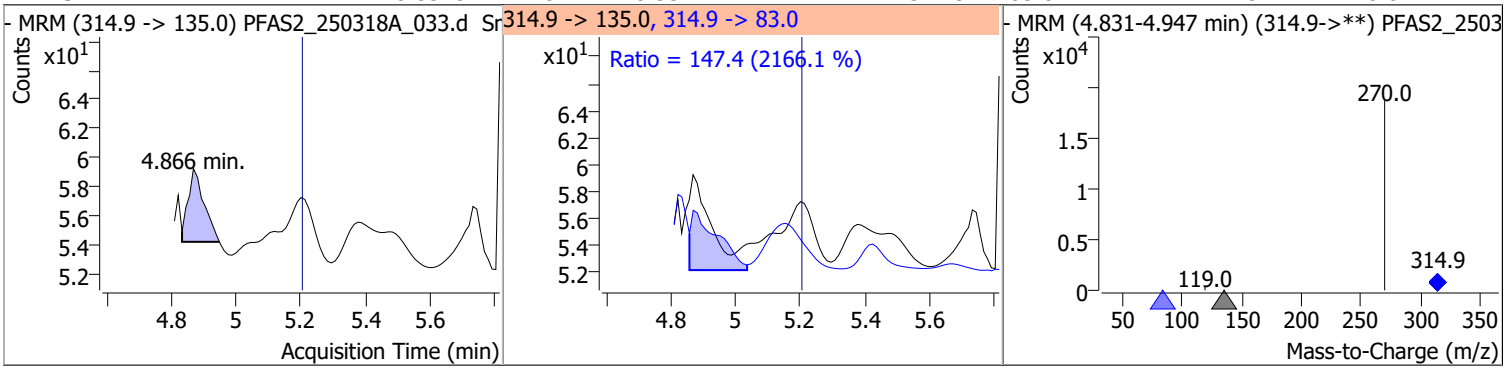
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0433	5.09	0.01	165397	287.0 -> 185.0	37.0	29.4	54.6



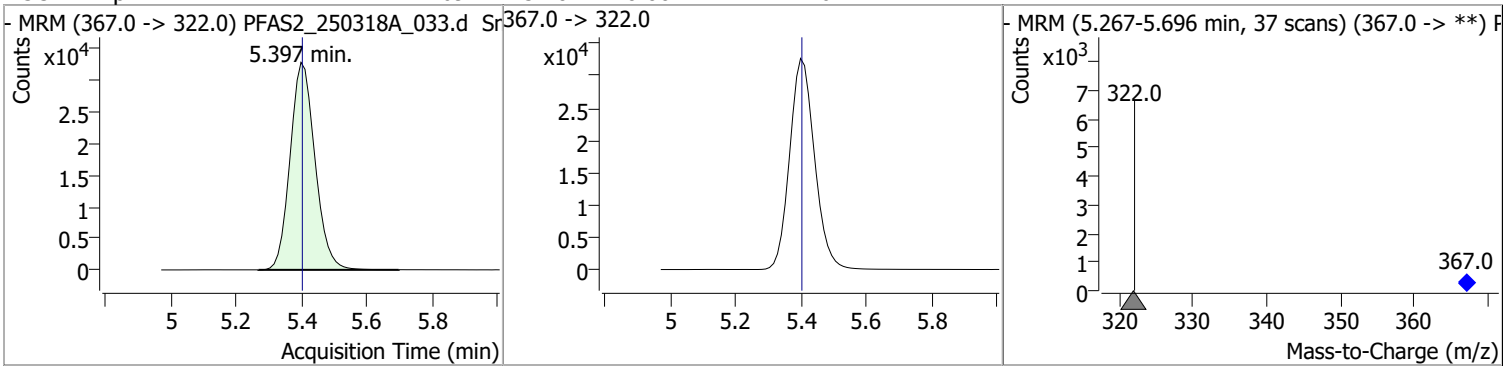
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0045	5.11	0.04	66	285.0 -> 185.0	96.7	30.1	56.0



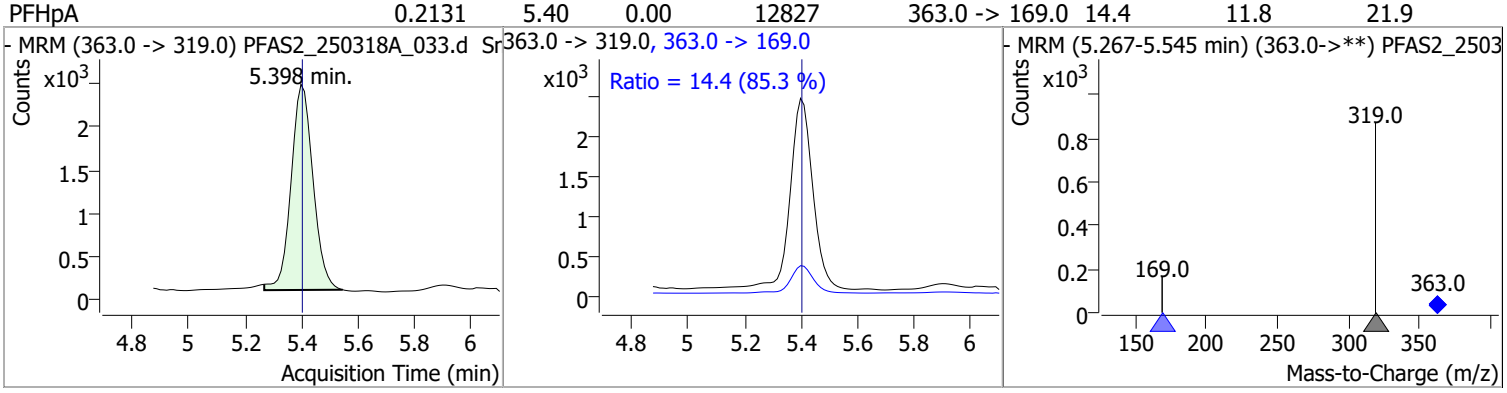
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0518	4.87	-0.33	17	314.9 -> 83.0	147.4	4.8	8.8



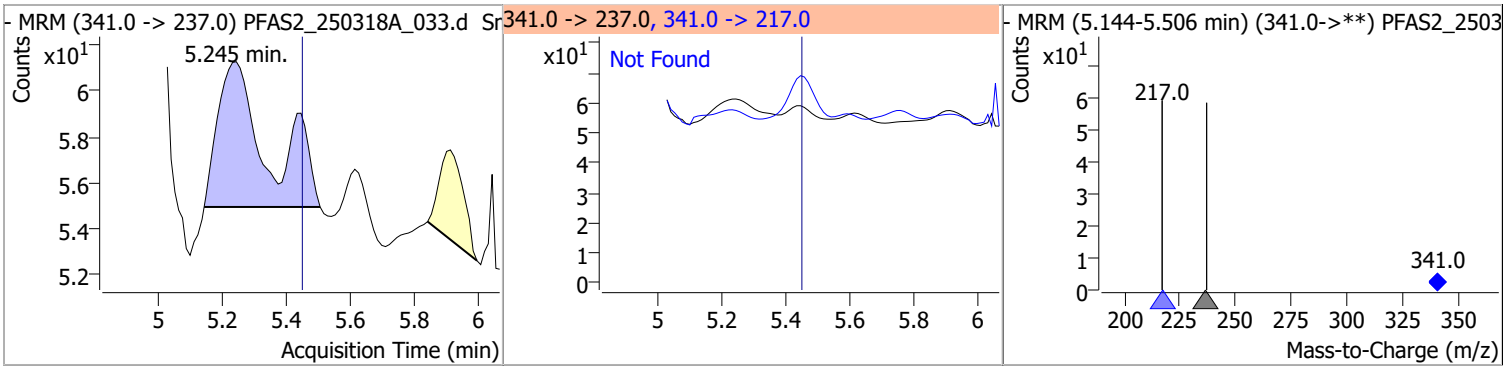
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4269	5.40	0.00	172716				



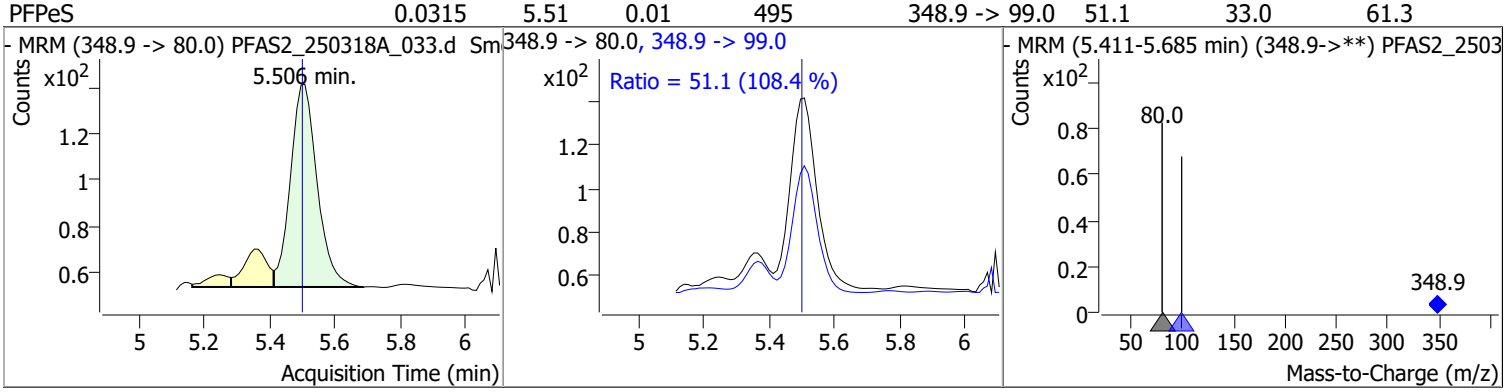
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2131	5.40	0.00	12827	363.0 -> 169.0	14.4	11.8	21.9



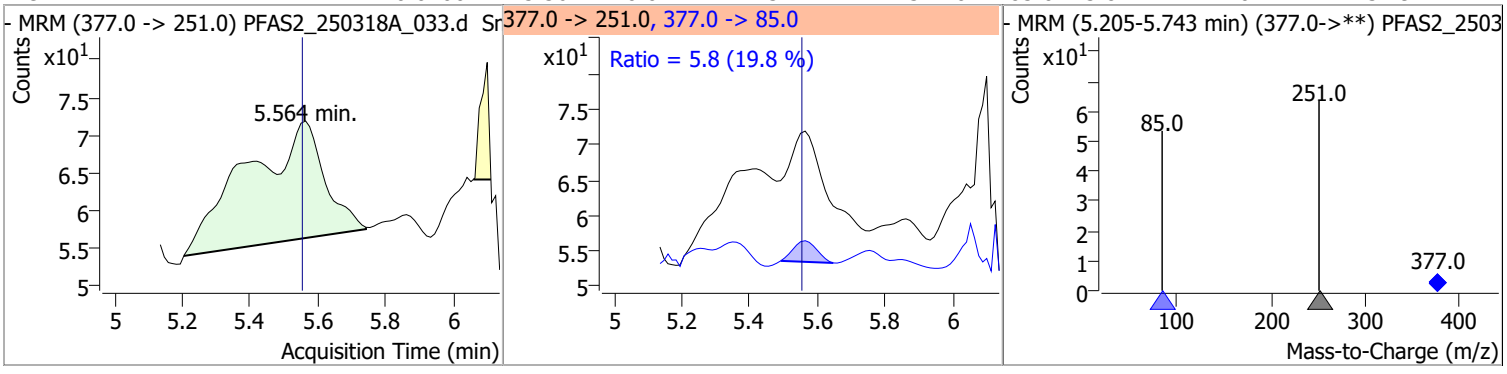
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1936	5.25	-0.20	67	341.0 -> 217.0		63.6	118.1



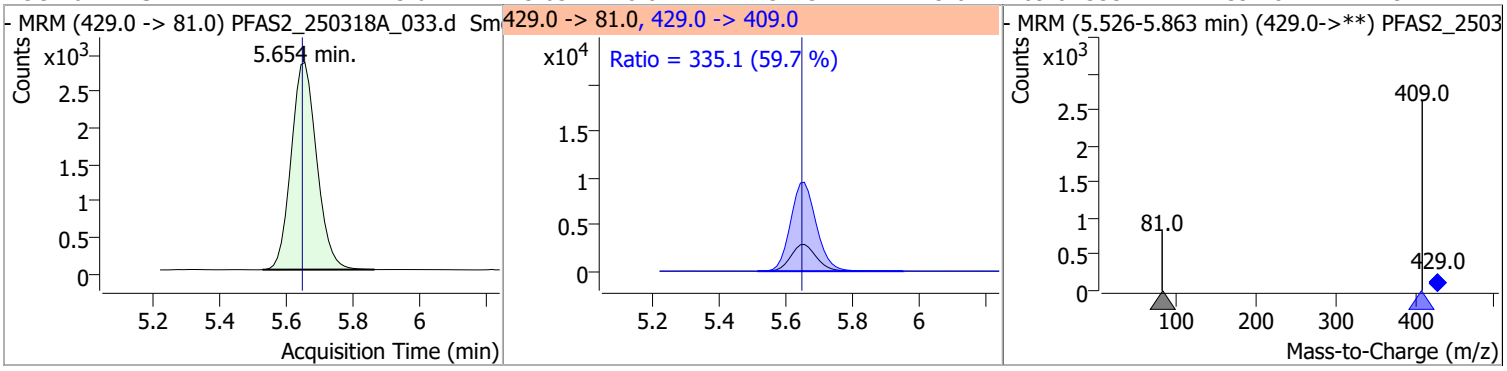
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0315	5.51	0.01	495	348.9 -> 99.0	51.1	33.0	61.3



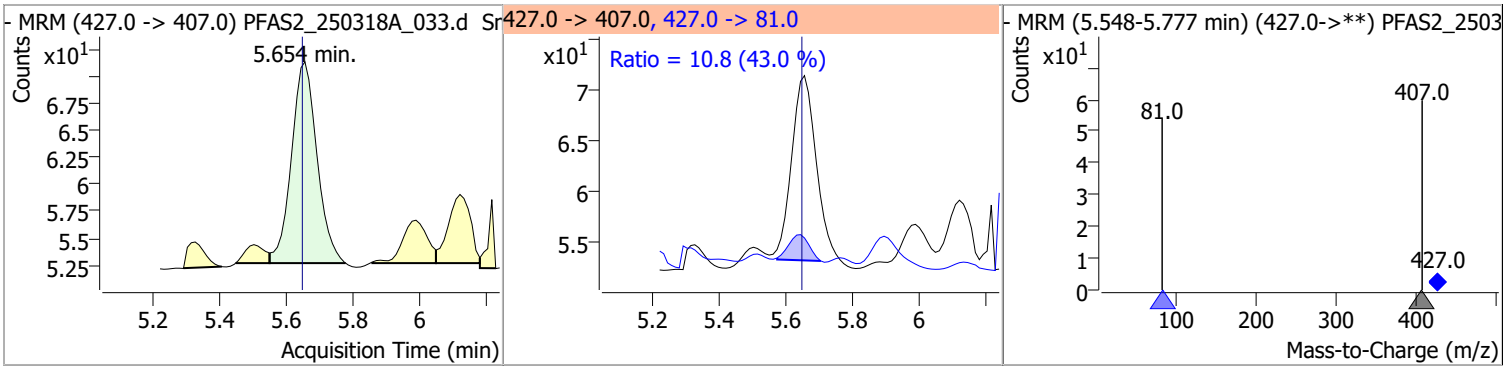
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0700	5.56	0.01	251	377.0 -> 85.0	5.8	20.4	37.9



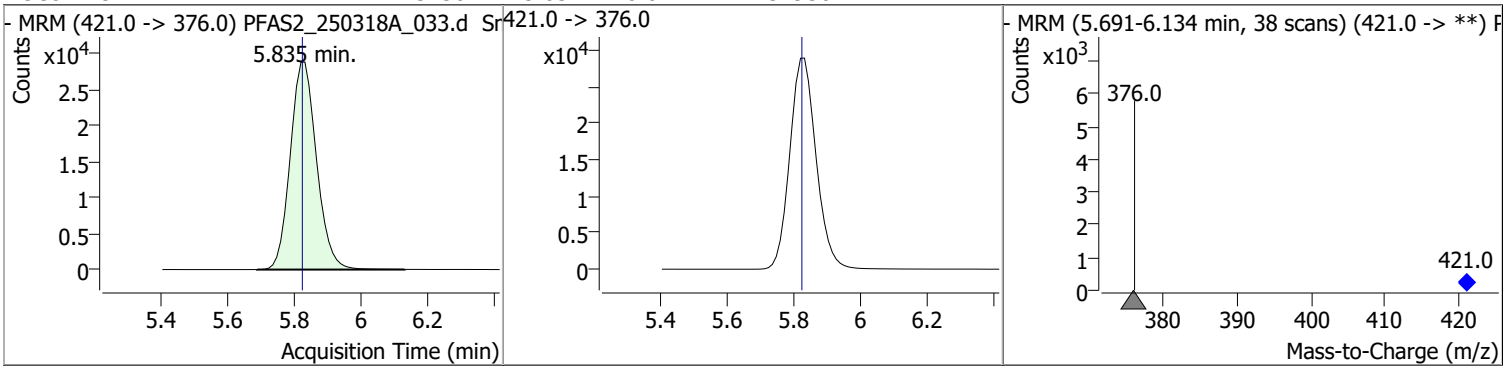
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6247	5.65	0.01	15243	429.0 -> 409.0	335.1	392.8	729.4



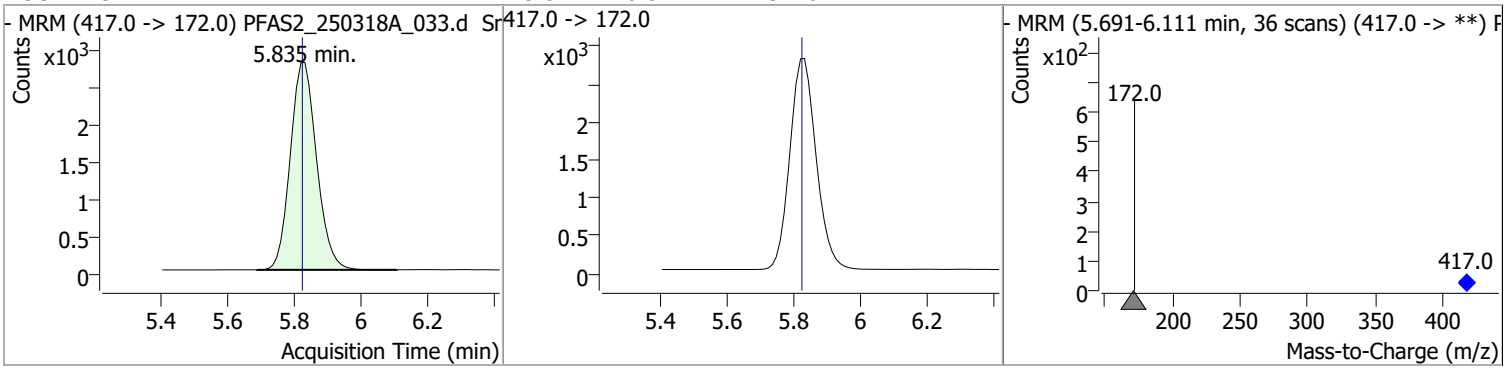
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1192	5.65	0.01	100	427.0 -> 81.0	10.8	17.7	32.8



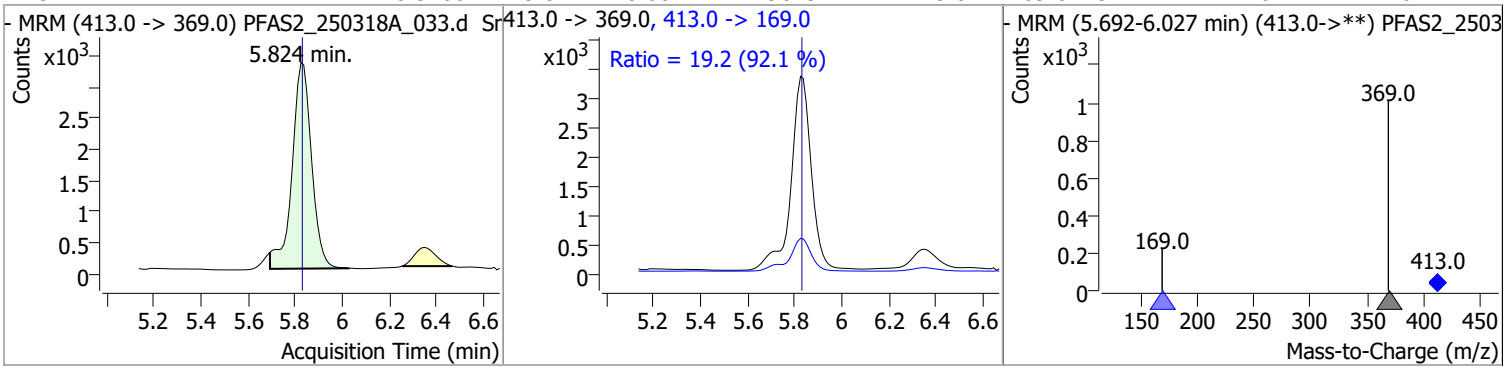
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3130	5.83	0.01	157950				



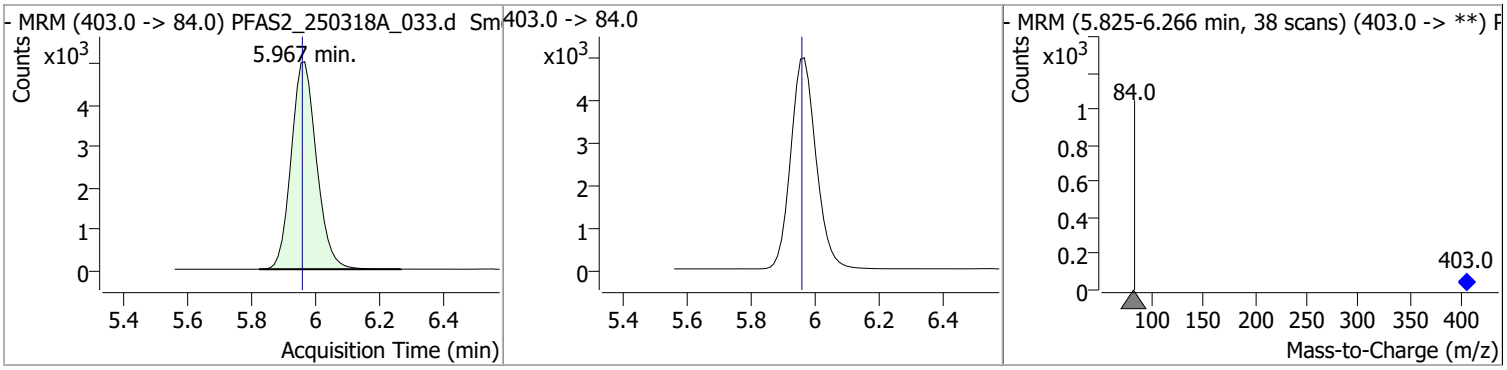
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	15270				



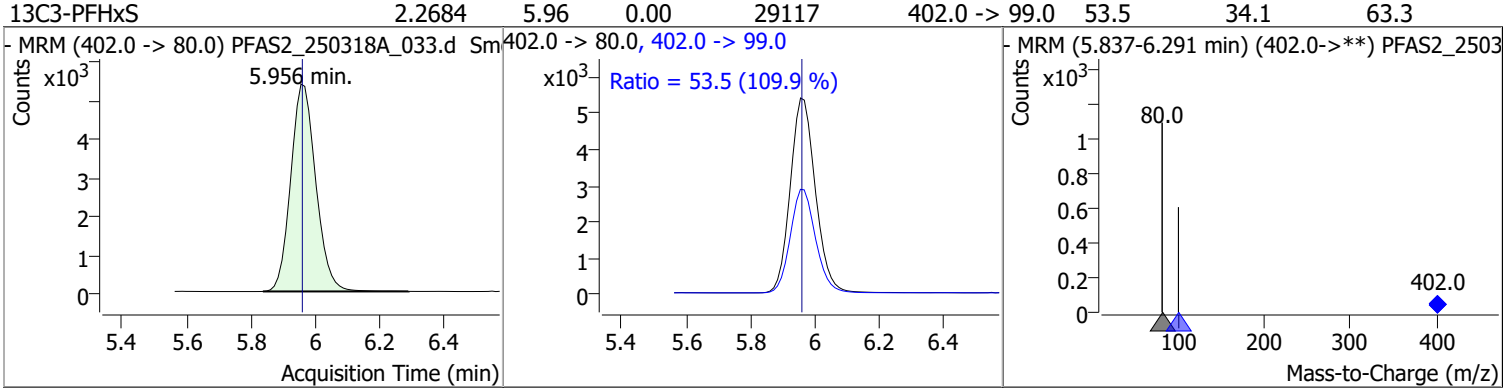
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.3408	5.82	0.00	19079	413.0 -> 169.0	19.2	14.6	27.0



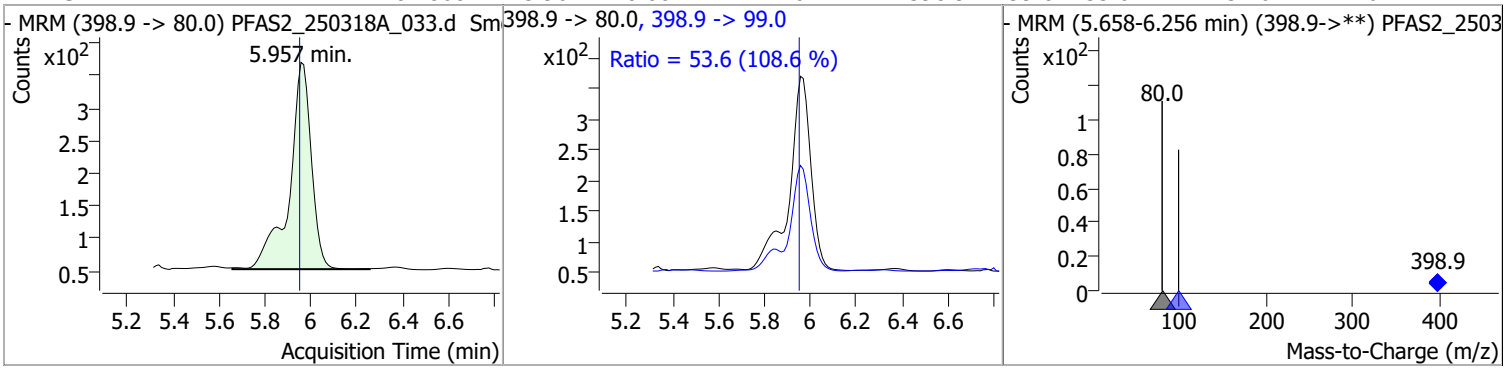
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	27214				



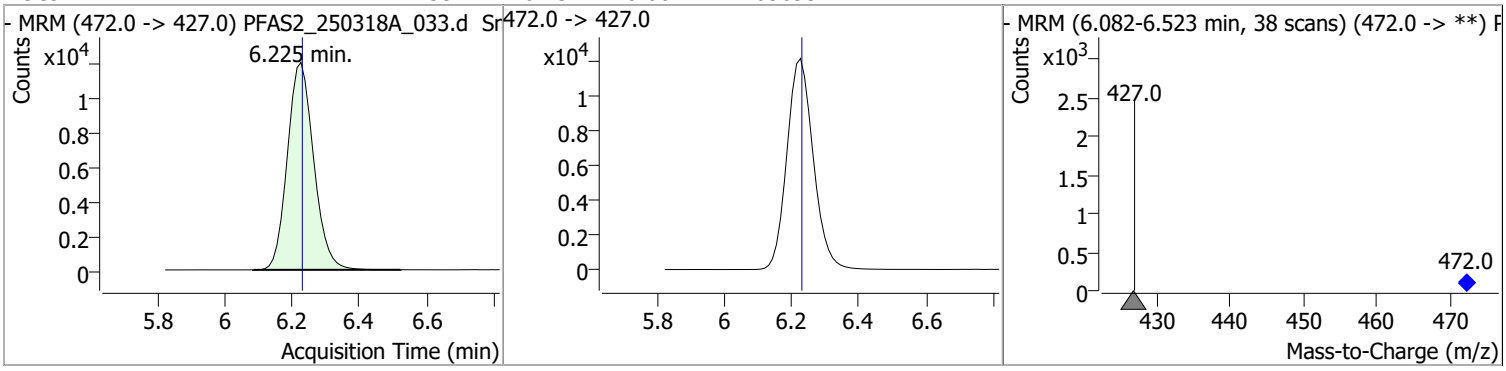
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2684	5.96	0.00	29117	402.0 -> 99.0	53.5	34.1	63.3



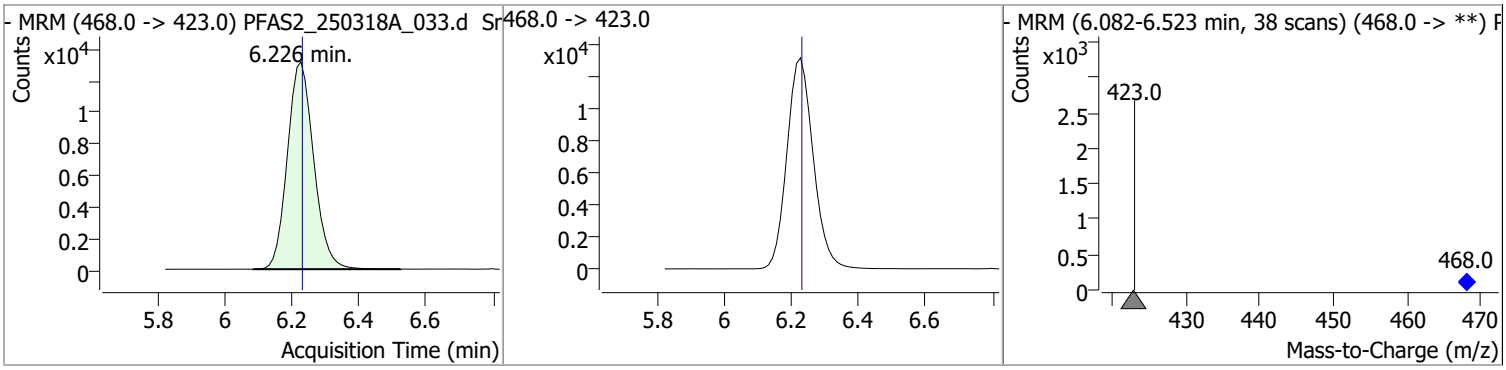
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1868	5.96	0.00	2116	398.9 -> 99.0	53.6	34.6	64.2



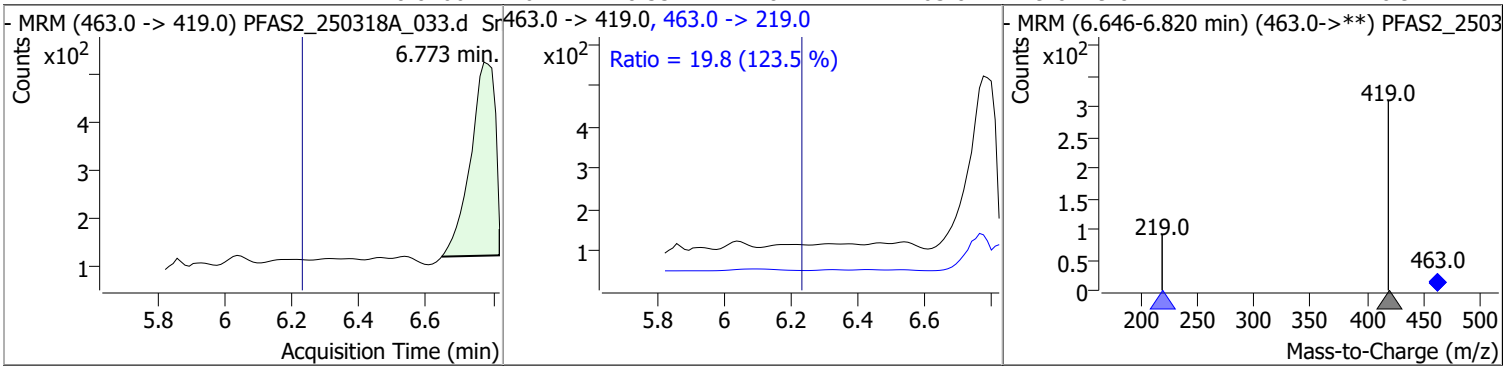
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1557	6.23	0.00	65699				



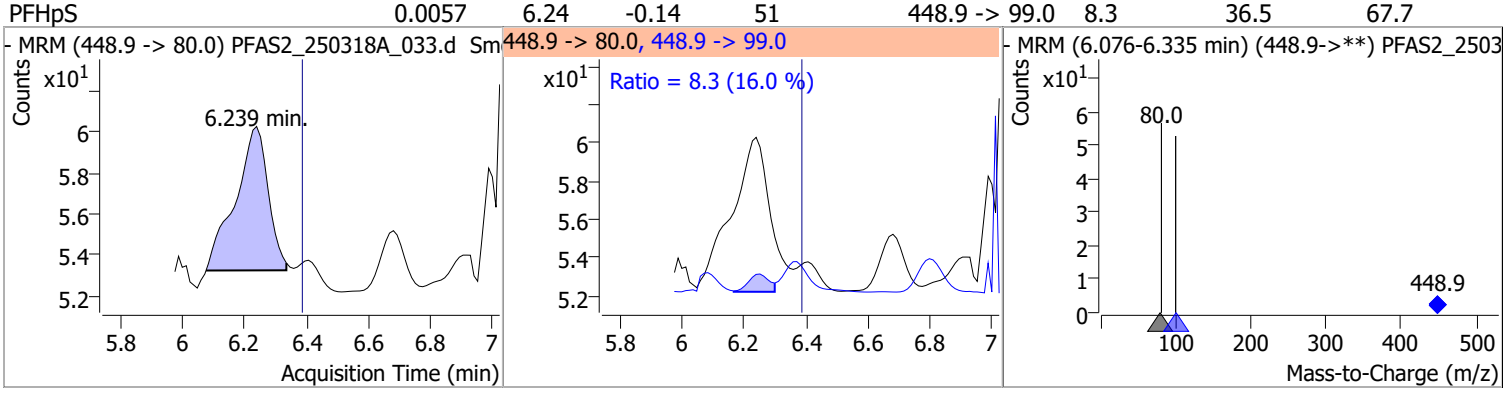
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	71740				



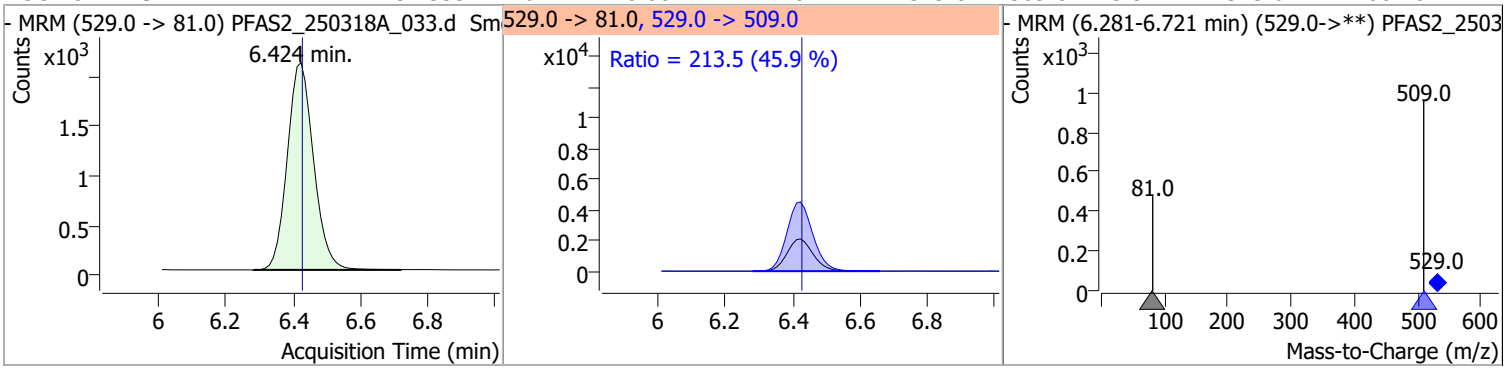
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0466	6.77	0.55	2041	463.0 -> 219.0	19.8	11.2	20.9



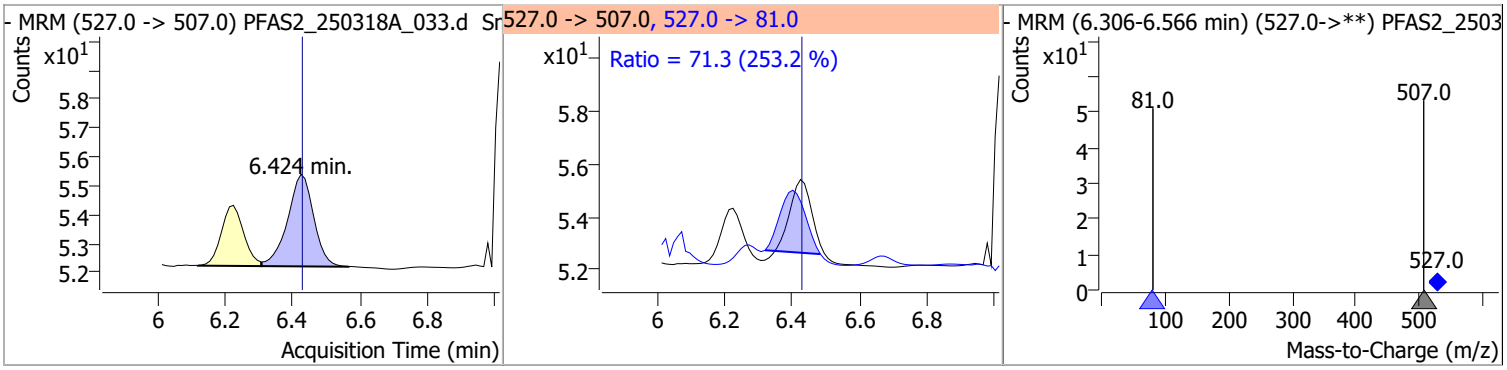
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0057	6.24	-0.14	51	448.9 -> 99.0	8.3	36.5	67.7



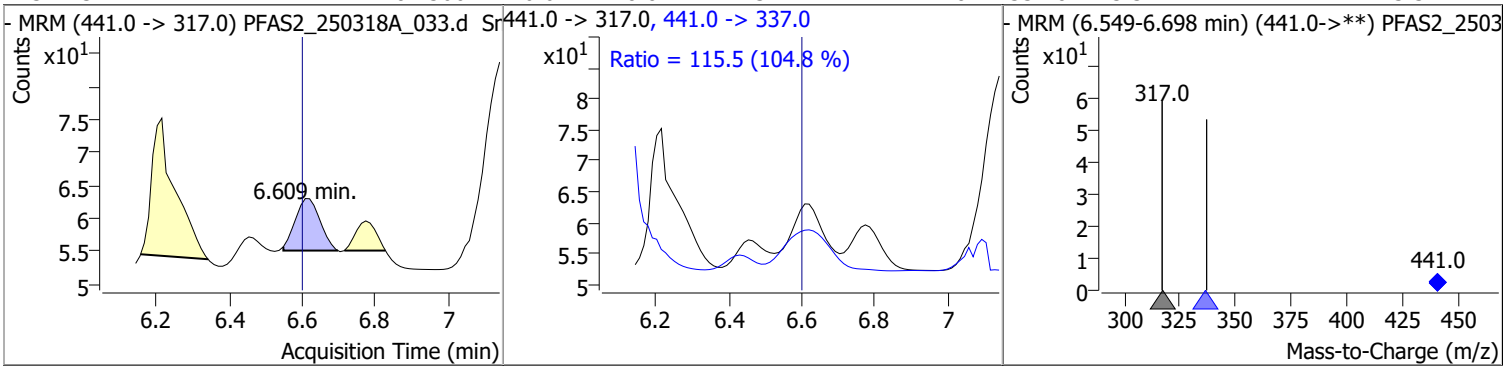
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2355	6.42	0.00	11407	529.0 -> 509.0	213.5	325.6	604.6



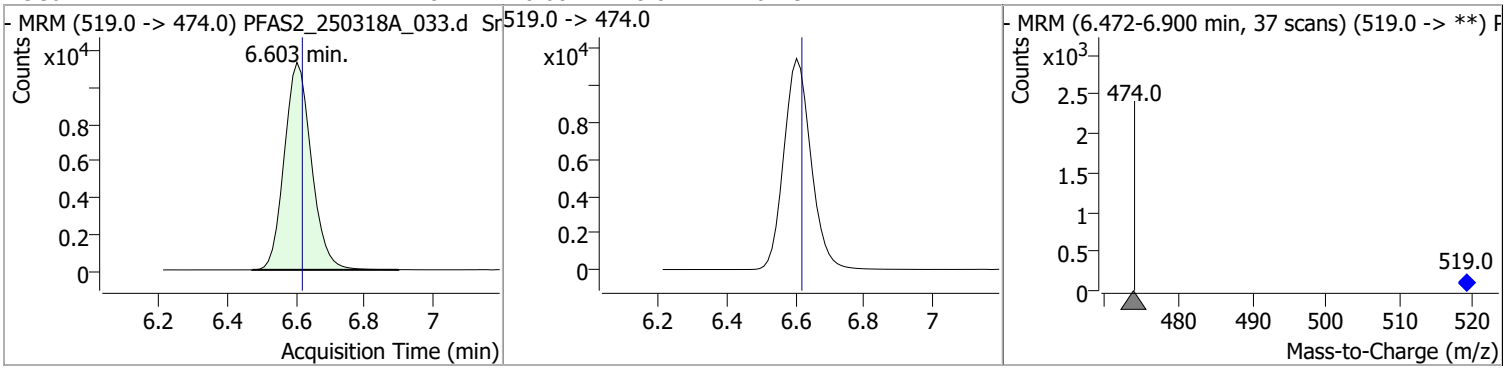
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0757	6.42	0.00	17	527.0 -> 81.0	71.3	19.7	36.6



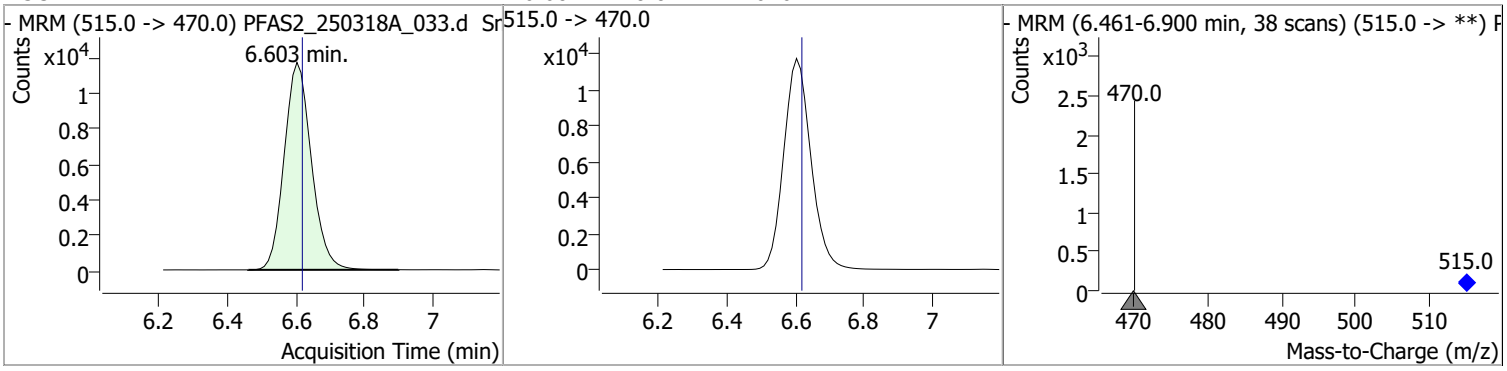
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2566	6.61	0.01	37	441.0 -> 337.0	115.5	77.1	143.3



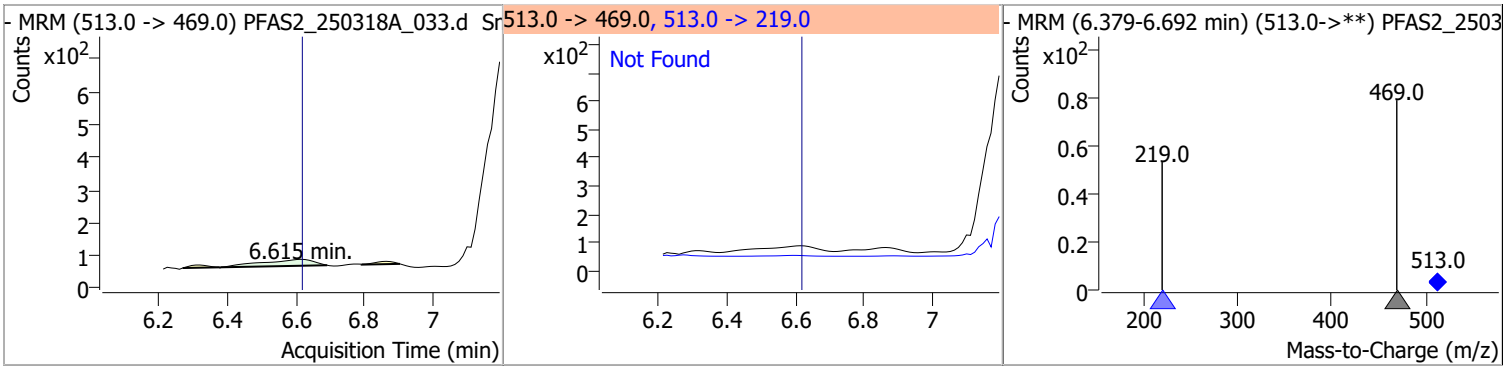
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1842	6.60	-0.01	62292				



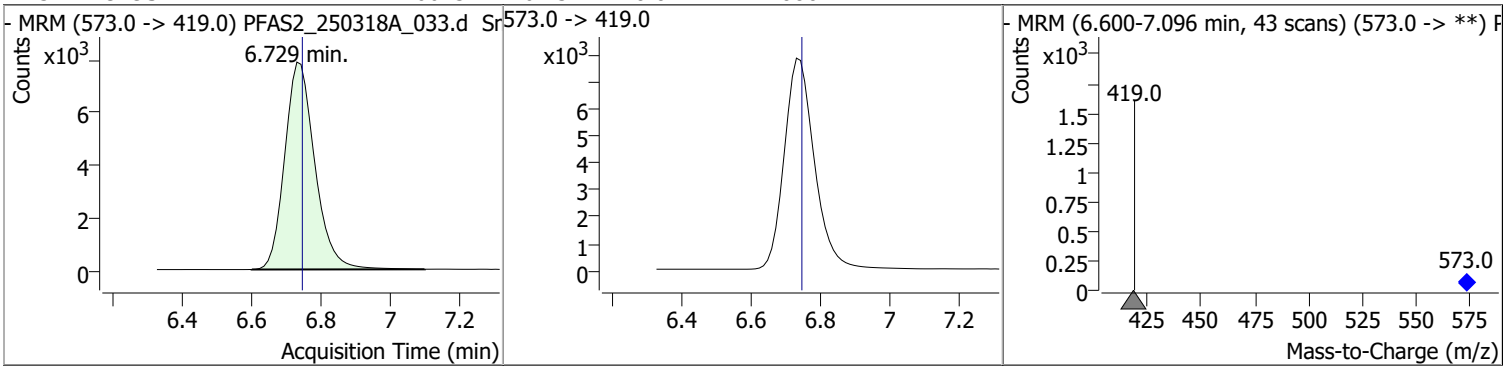
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	64642				



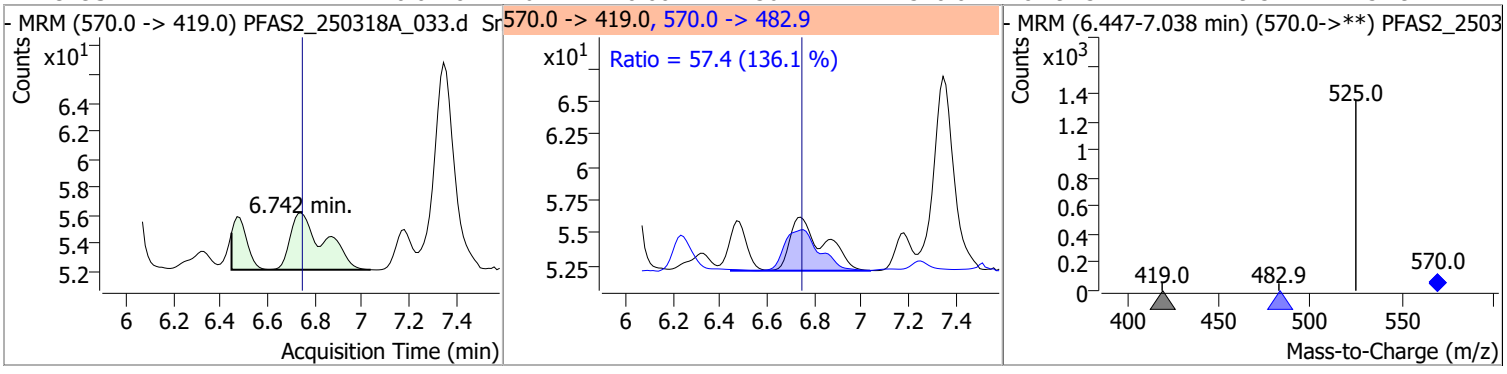
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0014	6.62	0.00	208	513.0 -> 219.0	8.7	16.2	



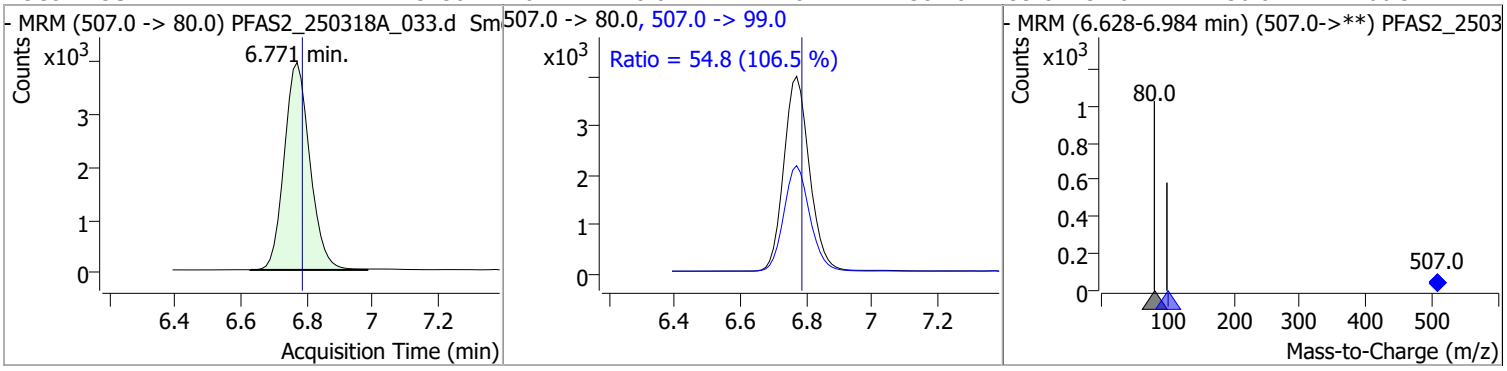
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6623	6.73	-0.01	47080				



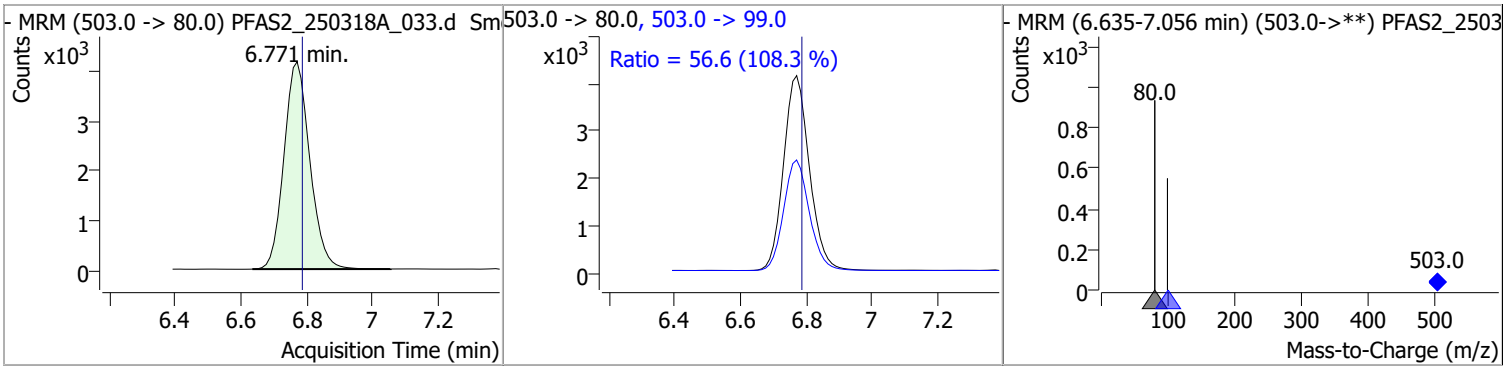
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0148	6.74	0.00	56	570.0 -> 482.9	57.4	29.5	54.9



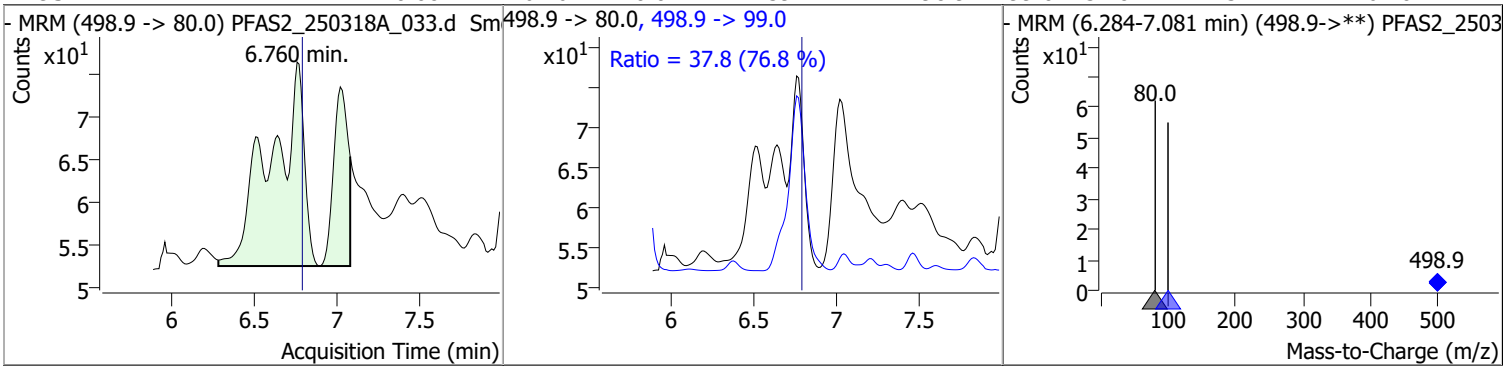
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3430	6.77	-0.01	21401	507.0 -> 99.0	54.8	36.0	66.9



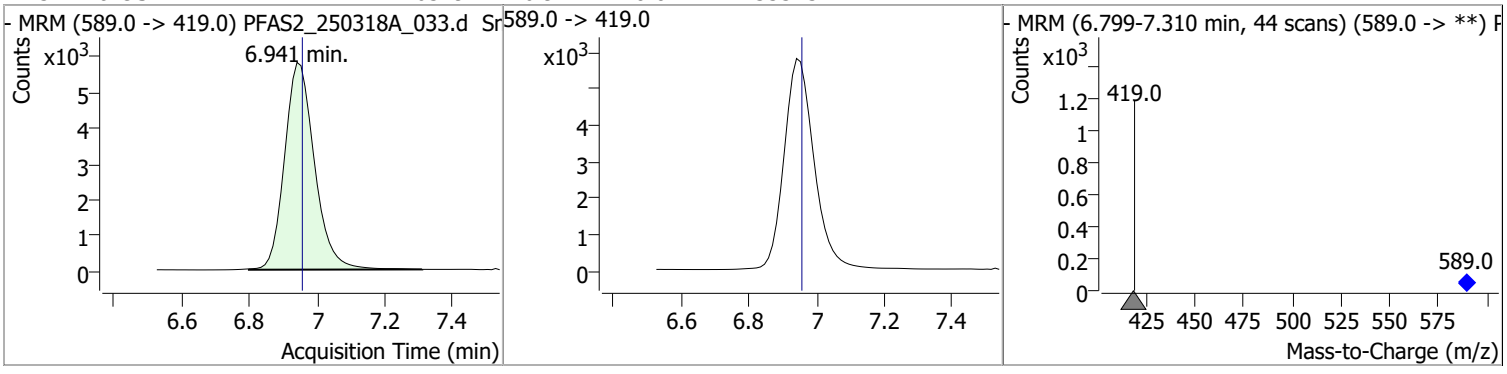
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22506	503.0 -> 99.0	56.6	36.6	67.9



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0844	6.76	-0.02	459	498.9 -> 99.0	37.8	34.4	64.0

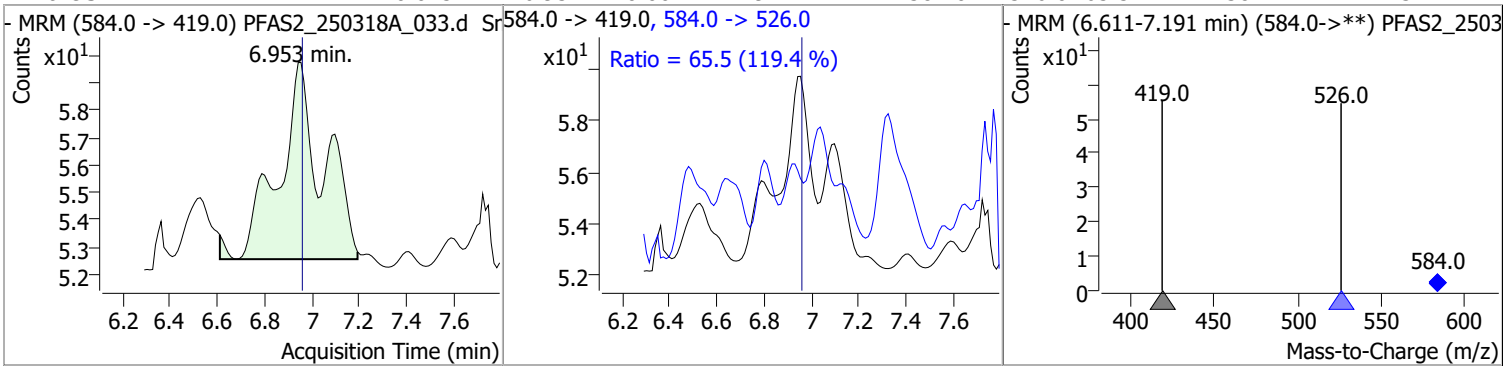


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6319	6.94	-0.01	35313				

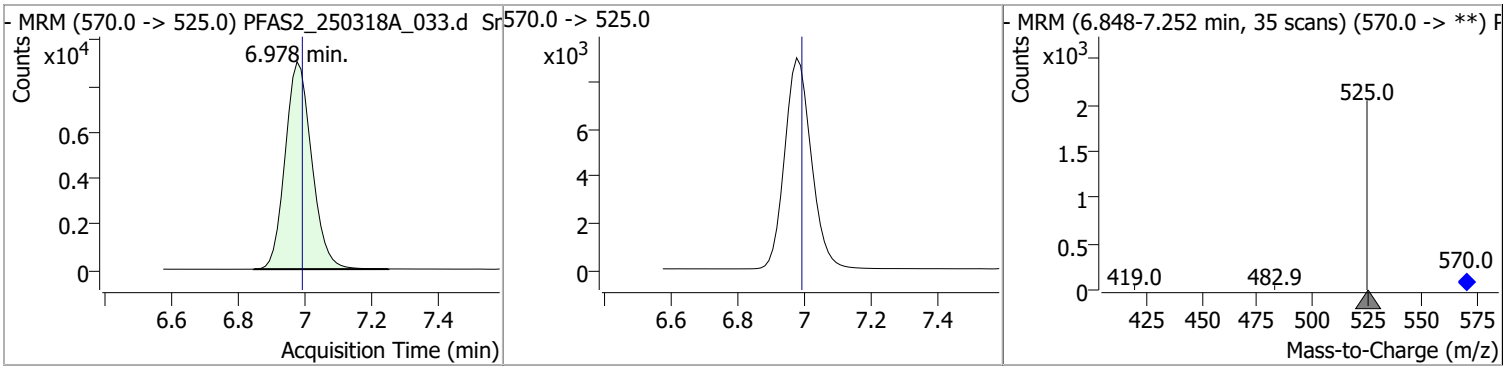


Quantitation Results Report (Not Reviewed)

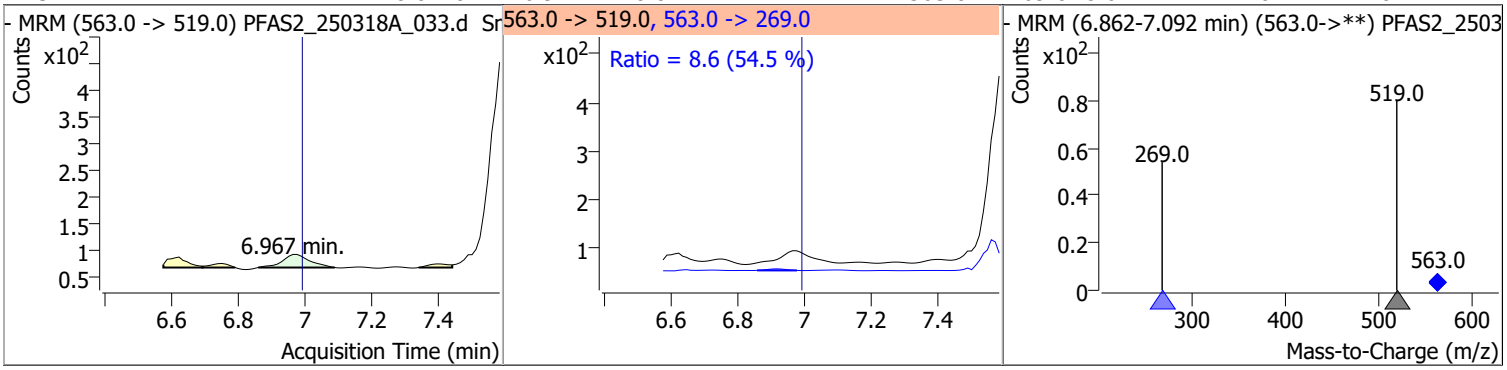
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0251	6.95	0.00	94	584.0 -> 526.0	65.5	38.4	71.3



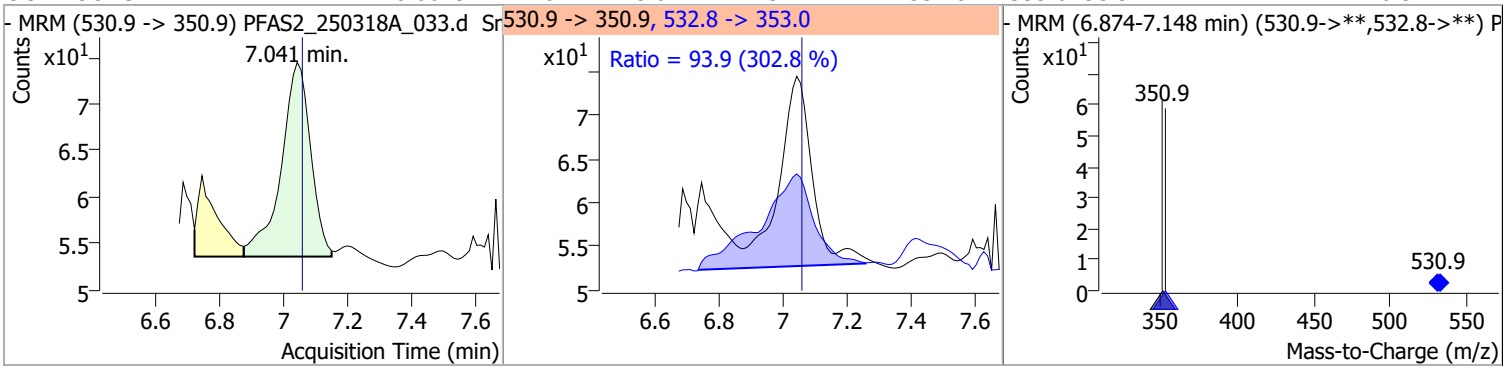
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2020	6.98	-0.01	49830				



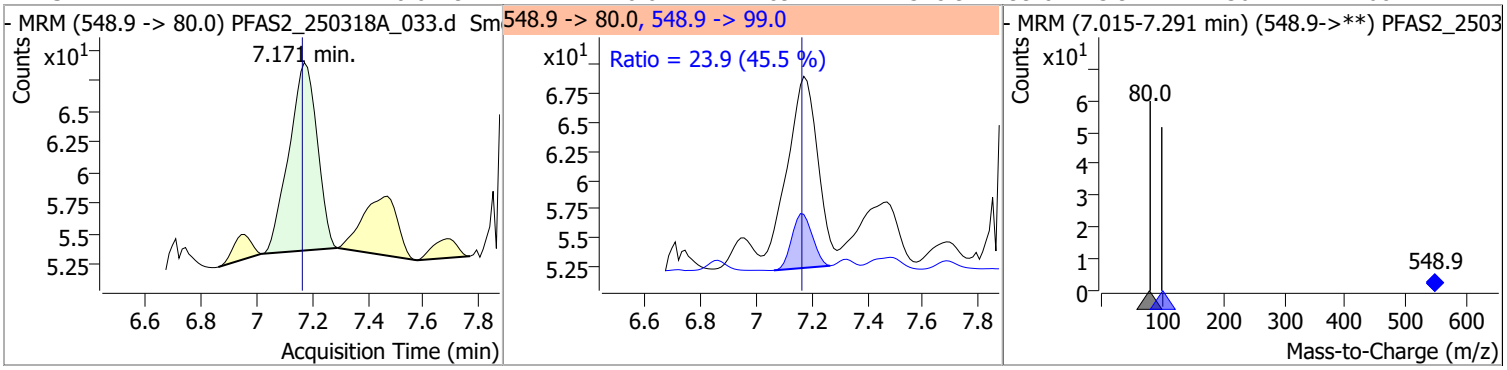
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0170	6.97	-0.02	141	563.0 -> 269.0	8.6	11.0	20.4



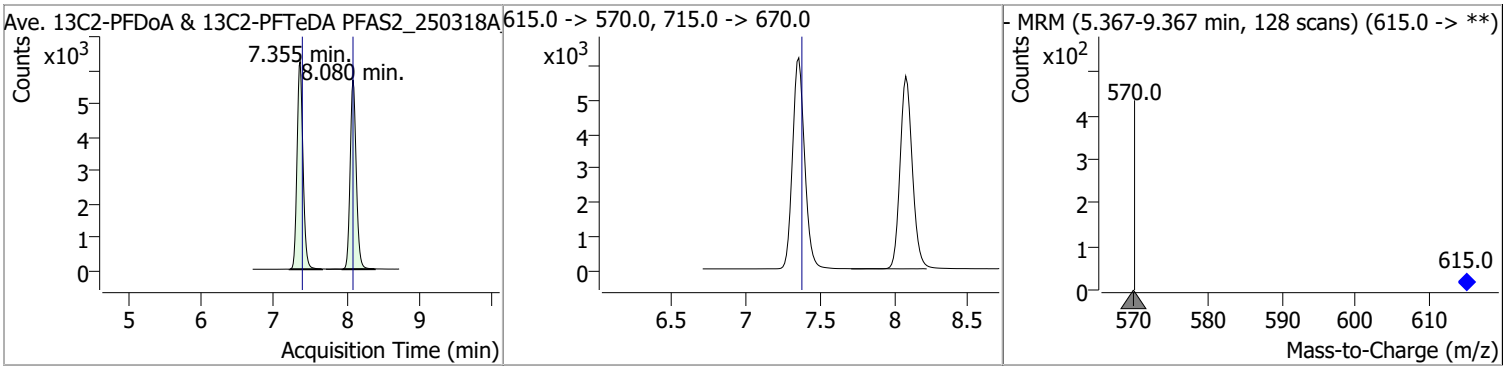
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0675	7.04	-0.01	134	532.8 -> 353.0	93.9	21.7	40.3



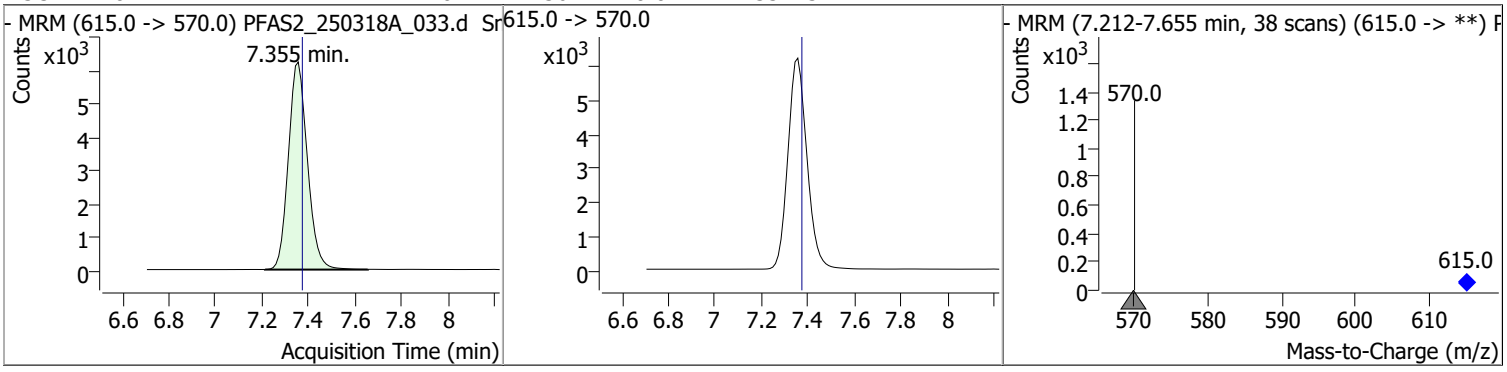
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0149	7.17	0.01	109	548.9 -> 99.0	23.9	36.7	68.1



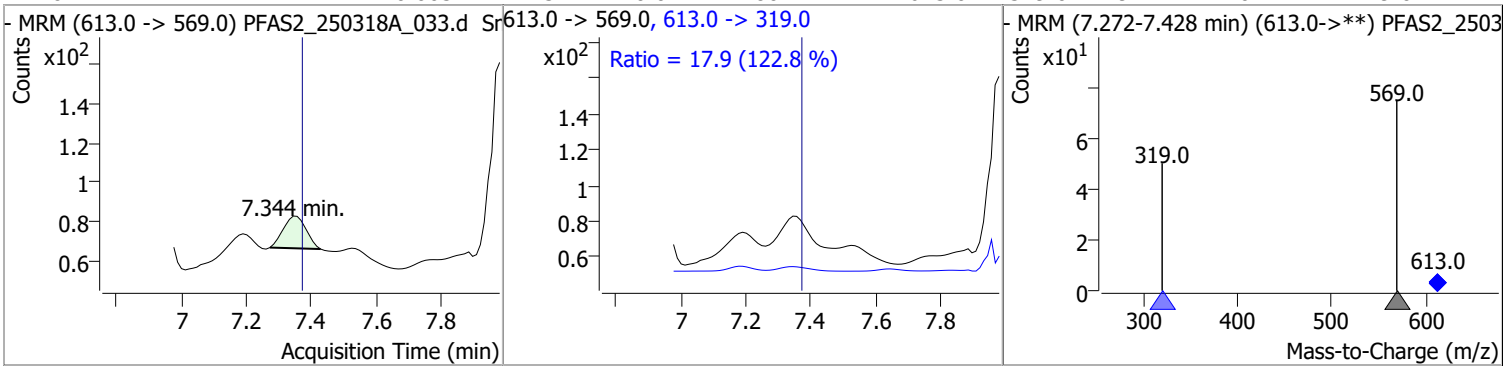
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9952	7.72	0.35	34003				



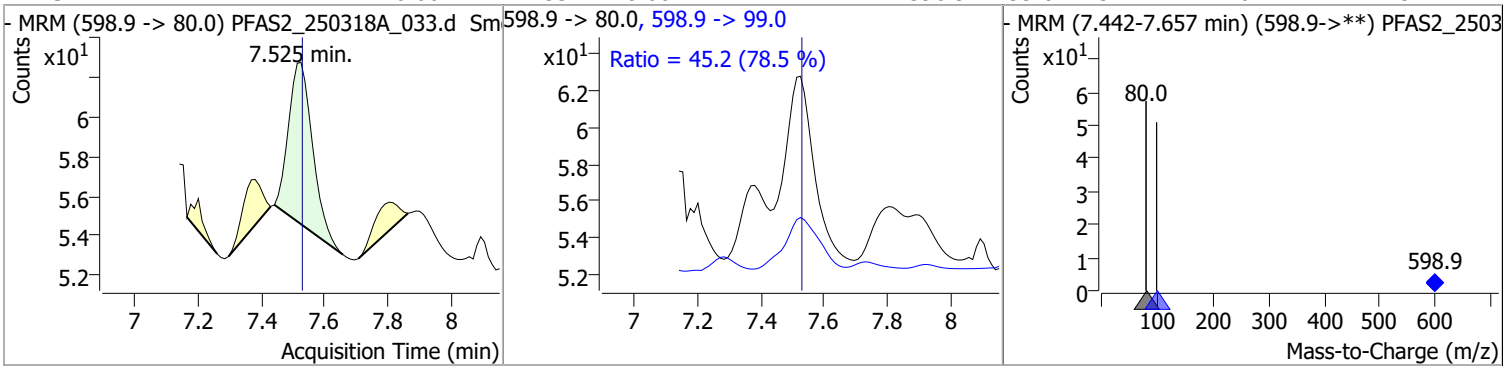
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1401	7.36	-0.01	35213				



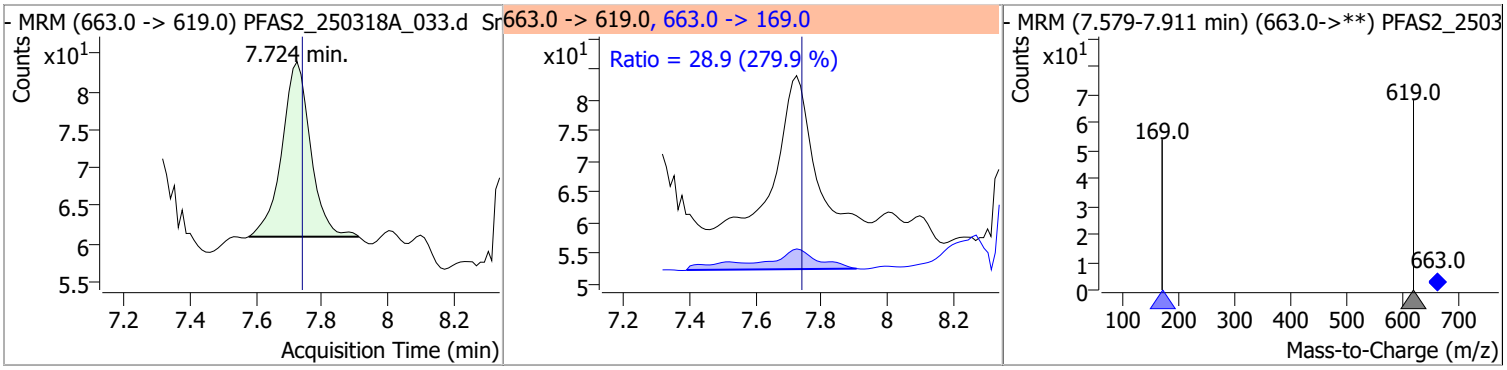
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0031	7.34	-0.02	80	613.0 -> 319.0	17.9	10.2	19.0



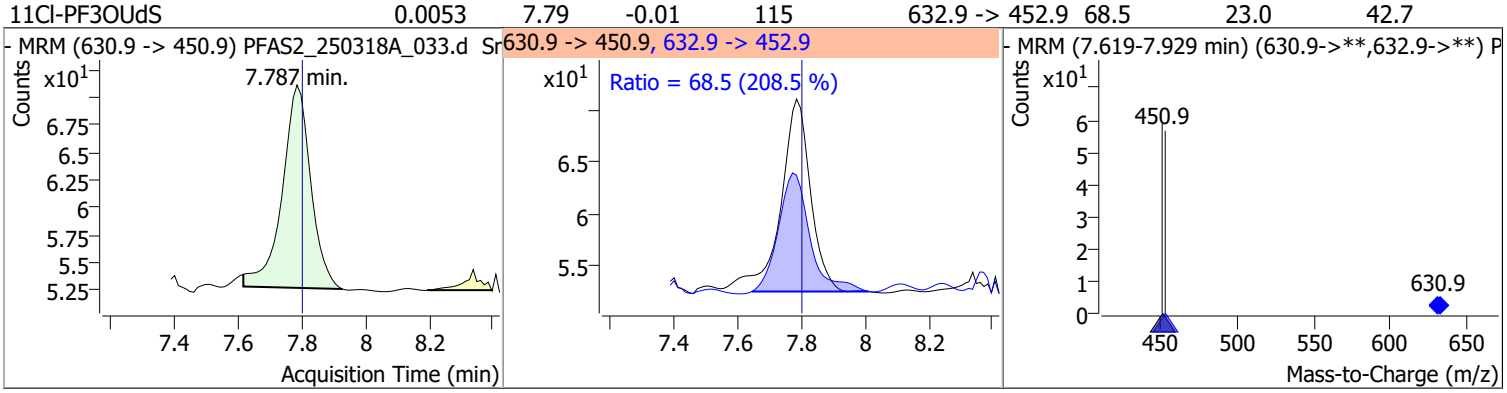
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0077	7.53	0.00	42	598.9 -> 99.0	45.2	40.4	74.9



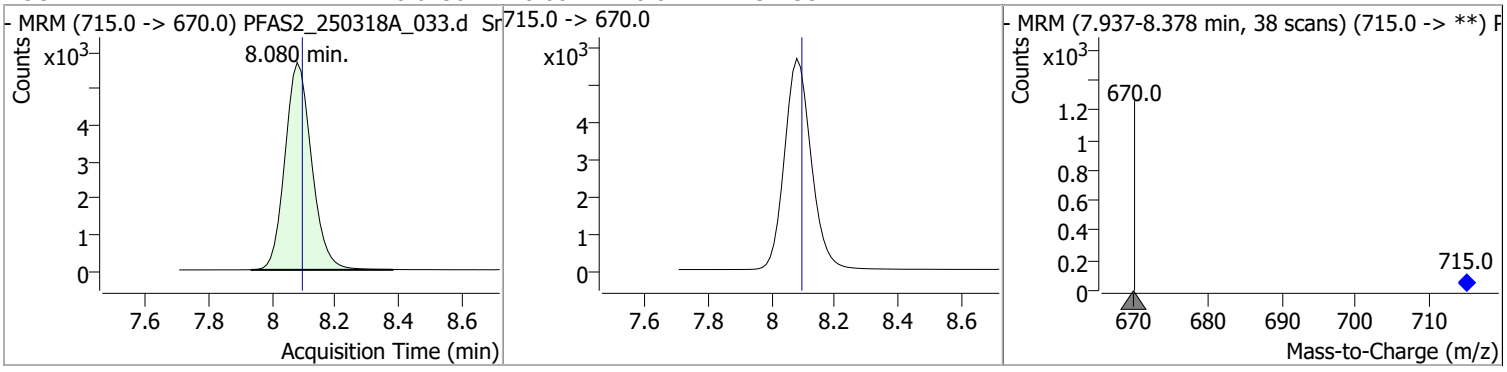
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0054	7.72	-0.01	138	663.0 -> 169.0	28.9	7.2	13.4



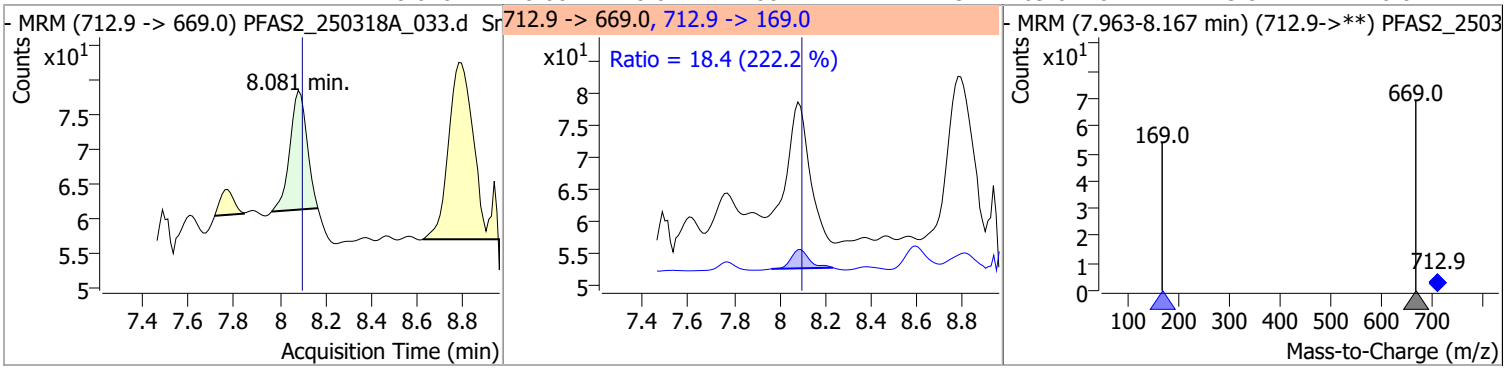
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0053	7.79	-0.01	115	632.9 -> 452.9	68.5	23.0	42.7



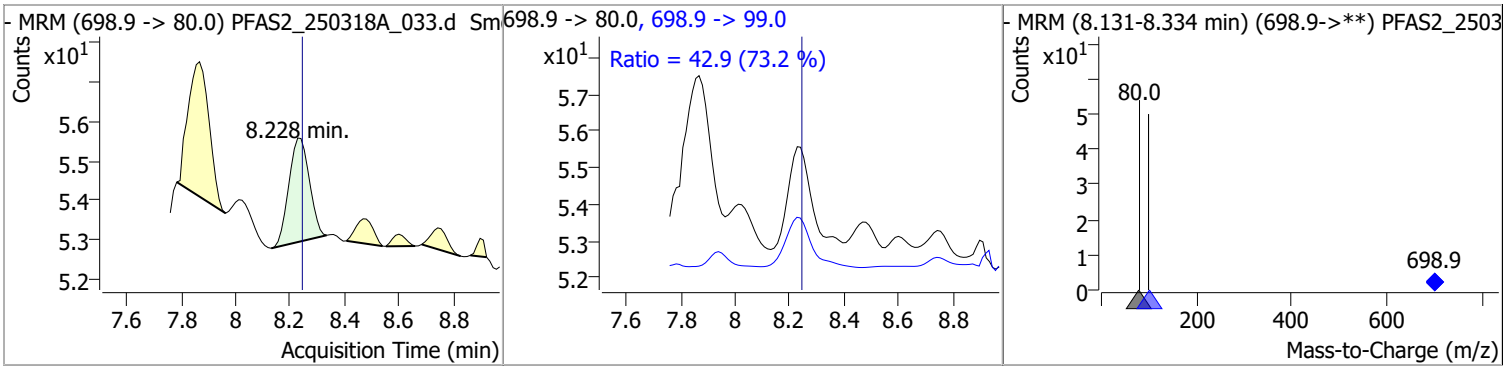
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8756	8.08	-0.01	32793				



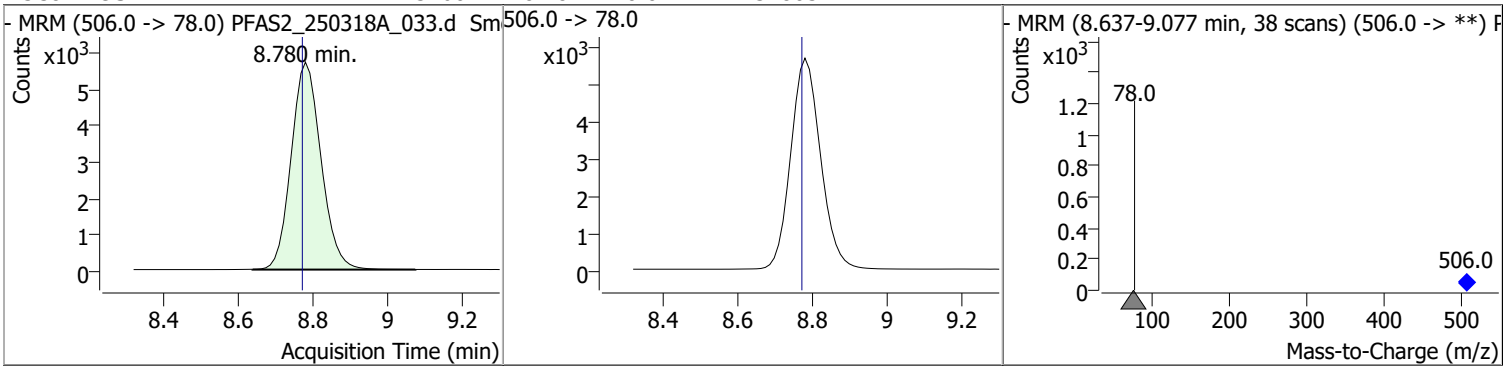
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0101	8.08	-0.01	88	712.9 -> 169.0	18.4	5.8	10.8



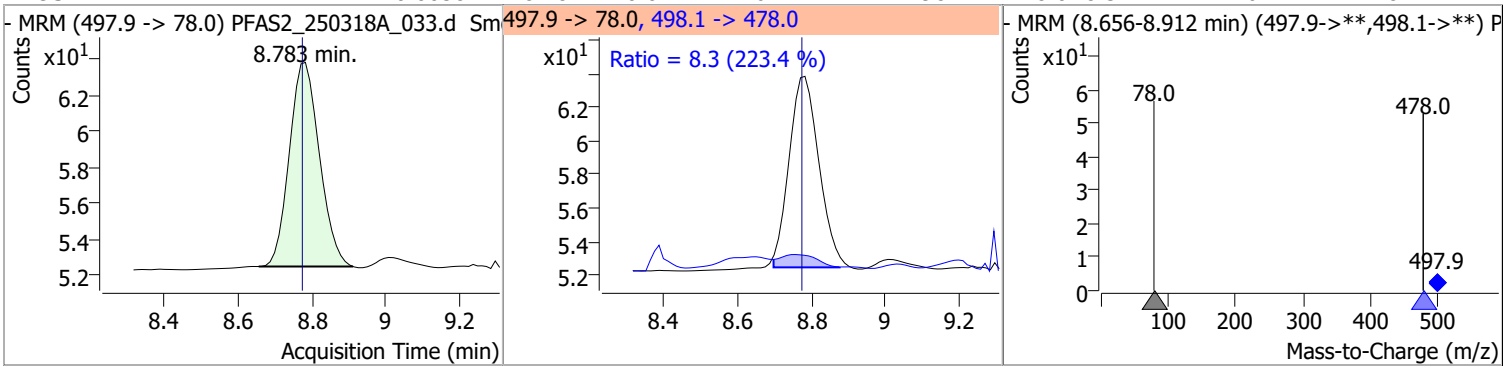
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0037	8.23	-0.01	14	698.9 -> 99.0	42.9	41.0	76.1



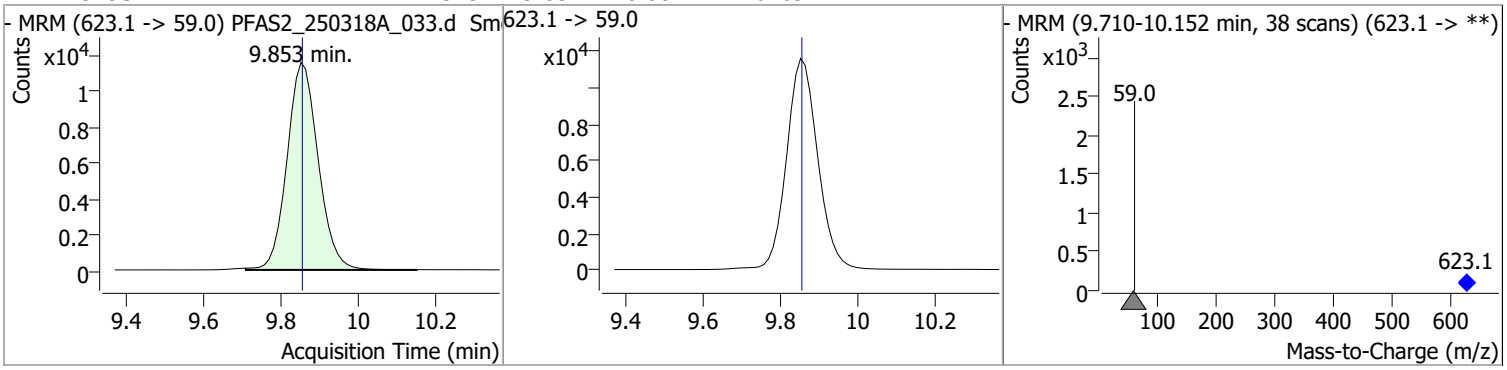
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3760	8.78	0.01	31803				



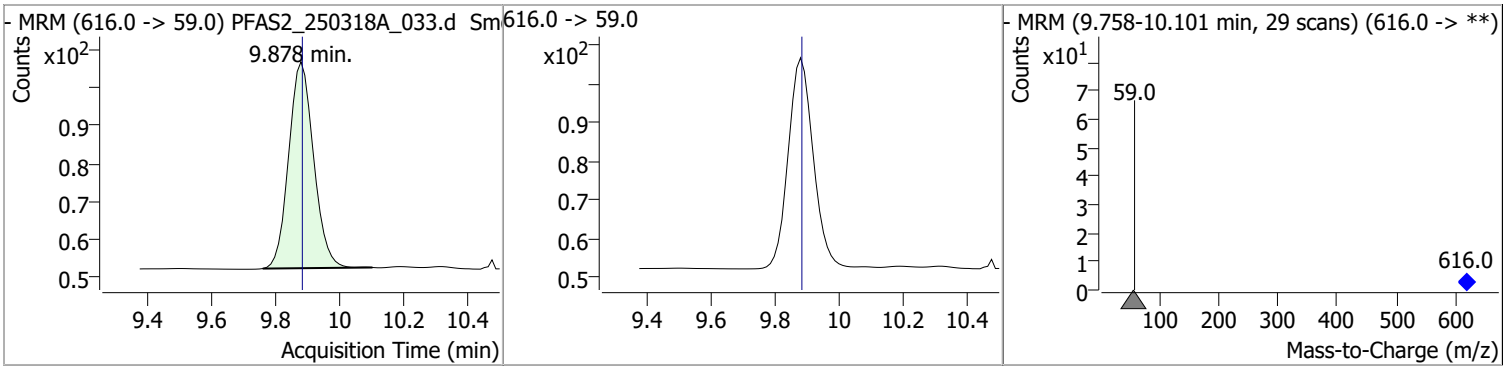
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0058	8.78	0.01	64	498.1 -> 478.0	8.3	2.6	4.8



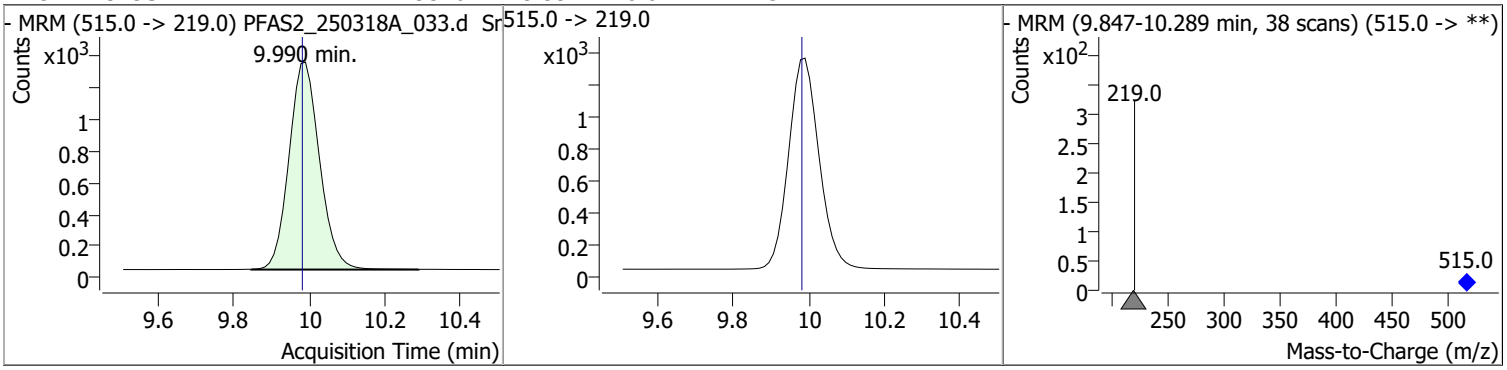
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.2575	9.85	0.00	64691				



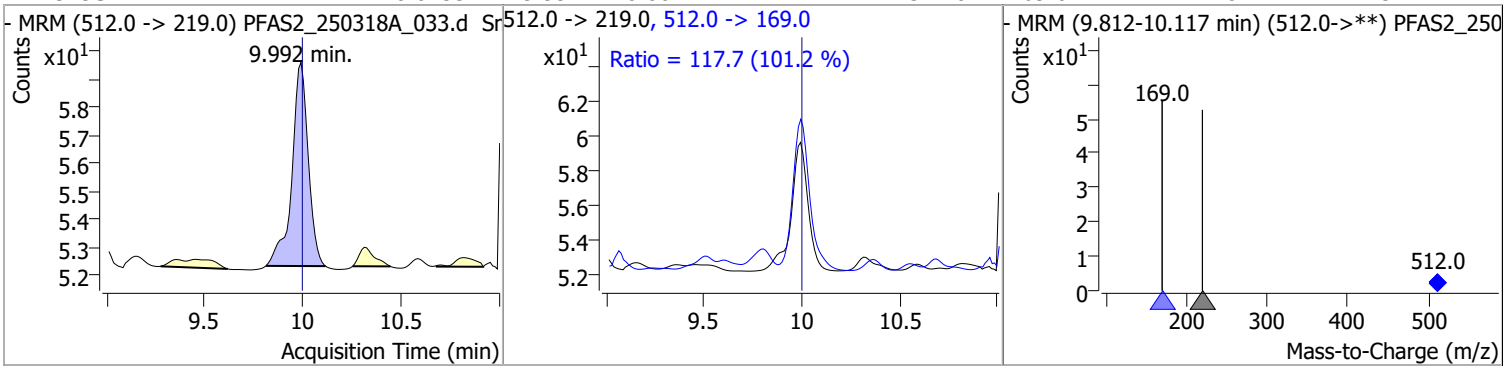
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1040	9.88	0.00	293				



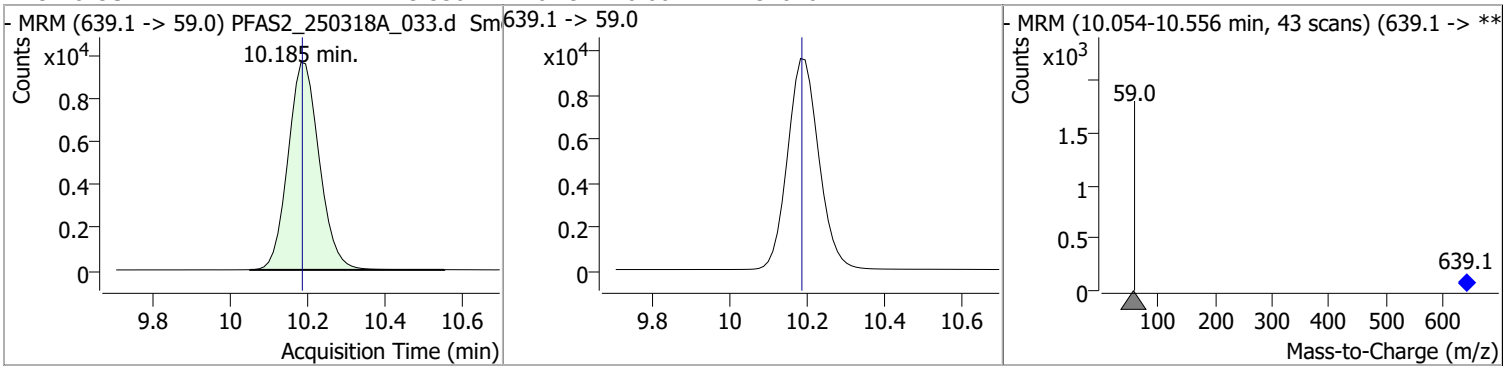
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.9546	9.99	0.01	7342				



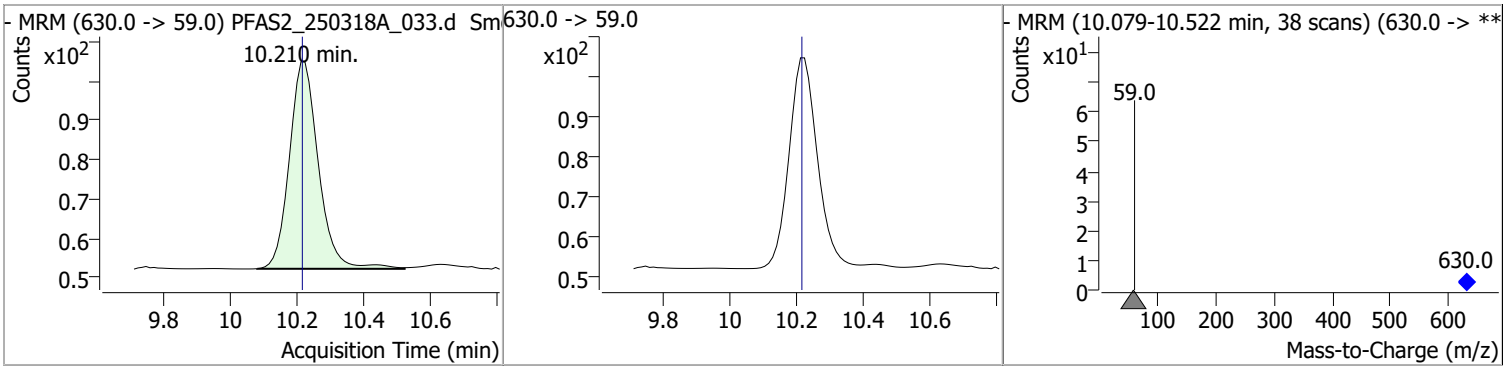
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0153	9.99	0.00	42	512.0 -> 169.0	117.7	81.4	151.2



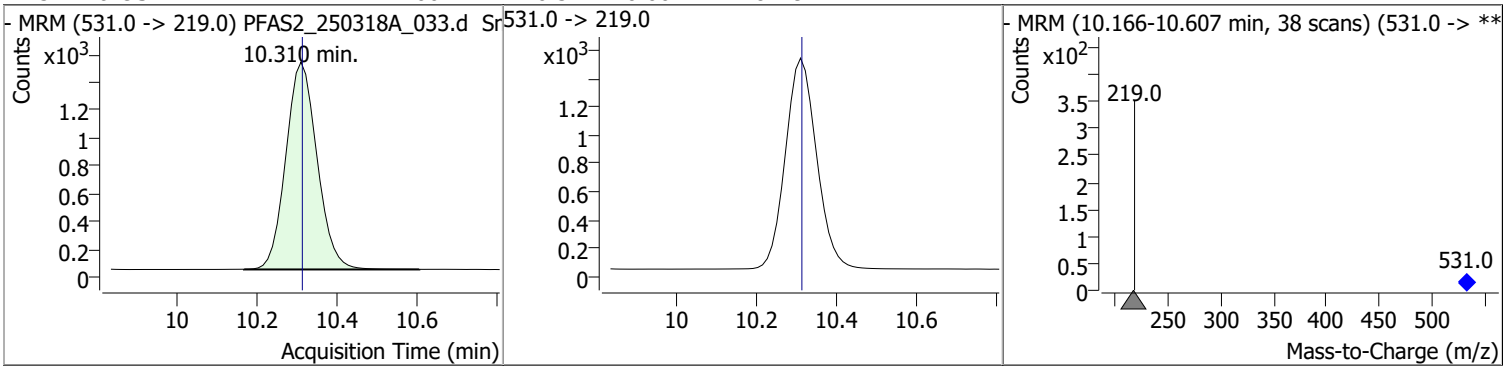
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.5307	10.19	0.00	54028				



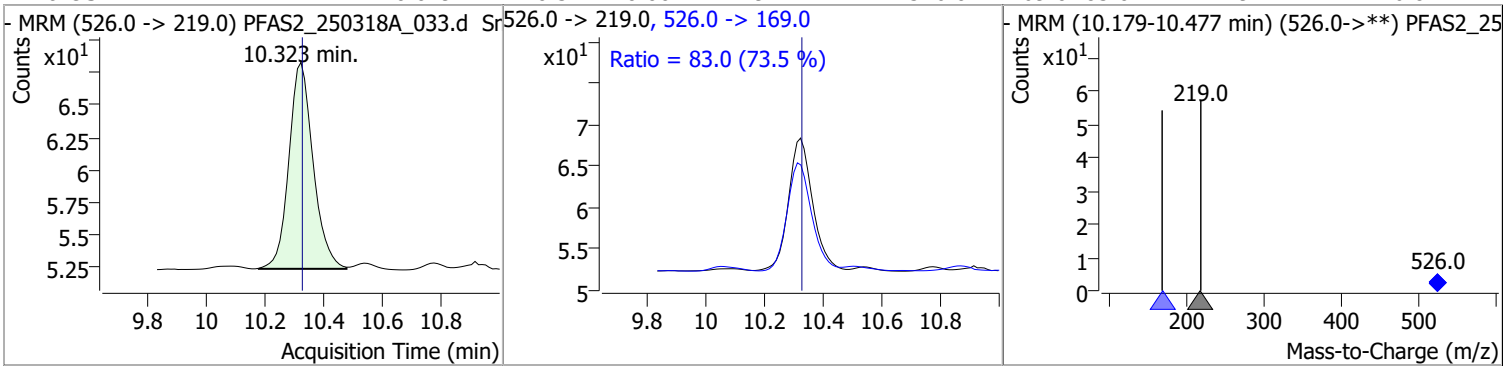
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.1743	10.21	0.00	320				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0014	10.31	0.00	8129				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0292	10.32	0.00	92	526.0 -> 169.0	83.0	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET
E1633

MW30RB-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-10	File ID:	PFAS2_250318A_034.d
Sampled:	03/11/25 17:05	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:47
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	520.5855 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.61	0.46	3.07	6.15	J
2706-90-3	PFPeA	6.70	0.13	1.54	3.07	
307-24-4	PFHxA	4.98	0.12	0.77	1.54	
375-85-9	PFHpA	2.36	0.15	0.77	1.54	
335-67-1	PFOA	4.96	0.12	0.77	1.54	
375-95-1	PFNA		0.09	0.77	1.54	U
335-76-2	PFDA		0.12	0.77	1.54	U
2058-94-8	PFUnA		0.18	0.77	1.54	U
307-55-1	PFDoA		0.11	0.77	1.54	U
72629-94-8	PFTrDA		0.07	0.77	1.54	U
376-06-7	PFTeDA		0.12	0.77	1.54	U
375-73-5	PFBS	9.07	0.18	0.68	1.36	
2706-91-4	PFPeS	0.37	0.20	0.73	1.45	J
355-46-4	PFHxS	1.43	0.22	0.70	1.40	
375-92-8	PFHpS		0.39	0.73	1.46	U
1763-23-1	PFOS	0.97	0.21	0.89	1.79	J
68259-12-1	PFNS		0.19	0.74	1.48	U
335-77-3	PFDS		0.13	0.74	1.48	U
79780-39-5	PFDoS		0.08	0.74	1.49	U
757124-72-4	4:2FTS		0.39	2.88	5.76	U
27619-97-2	6:2FTS		2.66	2.92	5.84	U
39108-34-4	8:2FTS		0.59	2.95	5.90	U
754-91-6	PFOSA		0.10	0.77	1.54	U
31506-32-8	NMeFOSA		0.25	0.77	1.54	U
4151-50-2	NEtFOSA		0.30	0.77	1.54	U
2355-31-9	NMeFOSAA		0.42	0.77	1.54	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW30RB-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-10	File ID:	PFAS2_250318A_034.d
Sampled:	03/11/25 17:05	Prepared:	03/14/25 11:13	Analyzed:	03/19/25 00:47
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	520.5855 ml / 5 ml				
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.77	1.54	U
24448-09-7	NMeFOSE		0.97	7.68	15.4	U
1691-99-2	NEtFOSE		1.21	7.68	15.4	U
13252-13-6	HFPO-DA		0.39	1.54	3.07	U
919005-14-4	ADONA		0.14	1.45	2.90	U
756426-58-1	9CL-PF3ONS		0.17	1.44	2.87	U
763051-92-9	11CL-PF3OUdS		0.30	1.45	2.90	U
356-02-5	3:3FTCA		0.63	3.07	6.15	U
914637-49-3	5:3FTCA		3.52	15.4	30.7	U
812-70-4	7:3FTCA		2.94	15.4	30.7	U
113507-82-7	PFEESA		0.16	1.37	2.74	U
377-73-1	PFMPA		0.11	1.54	3.07	U
863090-89-5	PFMBA		0.12	1.54	3.07	U
151772-58-6	NFDHA		0.43	1.54	3.07	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_034.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:47:30 AM
Sample Name	O25C0550-10	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

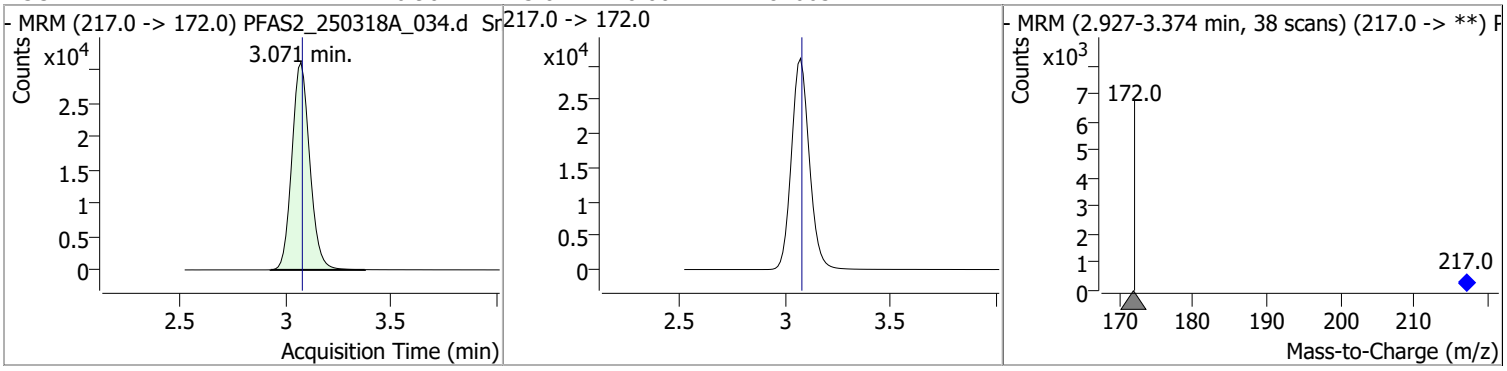
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	116475	5.0000	µg/L		-14.884
13C2-PFHxA	4.890	315.0 -> 270.0	133719	2.5000	µg/L		-12.844
18O2-PFHxS	5.955	403.0 -> 84.0	25160	2.5000	µg/L		-15.088
13C4-PFOA	5.823	417.0 -> 172.0	13806	2.5000	µg/L		-10.627
13C5-PFNA	6.214	468.0 -> 423.0	66058	1.2500	µg/L		-7.186
13C2-PFDA	6.603	515.0 -> 470.0	63185	1.2500	µg/L		-5.520
13C4-PFOS	6.759	503.0 -> 80.0	21946	2.5000	µg/L		-11.895
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	182665	10.0000	µg/L		-41.233
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 69.01%			
13C5-PFPeA	4.222	268.0 -> 223.0	175508	5.0000	µg/L		-15.180
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.32%			
13C5-PFPeA	4.222	268.0 -> 223.0	175508	5.0000	µg/L		-15.180
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.32%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27627	5.0000	µg/L	#	9.351
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 129.30%			
13C5-PFHxA	4.889	318.0 -> 273.0	138087	2.5000	µg/L		-18.216
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	138087	2.5000	µg/L		-18.216
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.82%			
13C3-PFBS	4.929	302.0 -> 80.0	49081	2.5000	µg/L		-19.173
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.29%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	156245	10.0000	µg/L		-10.600
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.57%			
13C4-PFHpA	5.397	367.0 -> 322.0	166279	2.5000	µg/L		-11.969
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.04%			
13C3-PFHxS	5.956	402.0 -> 80.0	27701	2.5000	µg/L		-20.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.37%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15291	5.0000	µg/L	#	3.538
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.07%			
13C8-PFOA	5.823	421.0 -> 376.0	152371	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.72%			
13C3-PFHxS	5.956	402.0 -> 80.0	27701	2.5000	µg/L		-20.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.37%			
13C9-PFNA	6.213	472.0 -> 427.0	62036	1.2500	µg/L		-11.961
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.81%			
13C8-PFOS	6.759	507.0 -> 80.0	21178	2.5000	µg/L		-16.236
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.11%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10490	5.0000	µg/L	#	-11.442
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.16%			
13C6-PFDA	6.603	519.0 -> 474.0	61641	1.2500	µg/L		-9.298
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.91%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	48130	5.0000	µg/L		-13.775
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.75%			
13C8-PFOS	6.759	507.0 -> 80.0	21178	2.5000	µg/L		-16.236

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.11%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	35118	5.0000	µg/L		-16.722
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.48%			
13C7-PFUnDA	6.978	570.0 -> 525.0	48202	1.2500	µg/L		-10.076
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.16%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	32095	1.2500	µg/L		-27.246
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.88%			
13C2-PFDoDA	7.355	615.0 -> 570.0	33537	1.2500	µg/L		-16.042
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.87%			
13C2-PFTDA	8.080	715.0 -> 670.0	30654	1.2500	µg/L		-36.515
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.99%			
13C8-PFOSA	8.780	506.0 -> 78.0	30188	2.5000	µg/L		-18.324
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.52%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62449	25.0000	µg/L		-50.297
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 56.46%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7425	2.5000	µg/L		-28.389
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 81.09%			
2H9-EtFOSE	10.197	639.1 -> 59.0	50384	25.0000	µg/L		-20.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 90.01%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8280	2.5000	µg/L		-26.332
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.62%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	6389	0.4795	µg/L		100
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.778	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	21881	0.6974	µg/L		100
PFMBA	4.503	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.686	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.787	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	25614	0.5184	µg/L		99
PFBS	4.930	298.9 -> 80.0	19232	0.9444	µg/L		90
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.117	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	14418	0.2453	µg/L		97
5-3 FTCA	5.553	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	570	0.0381	µg/L	#	50
DONA	5.515	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.654	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	29033	0.5166	µg/L		99
PFHxS	5.957	398.9 -> 80.0	1600	0.1485	µg/L		96
PFNA	6.201	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	0.000		0	N.D.			
N-MeFOSAA	6.766	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	598	0.1012	µg/L	#	62
N-EtFOSAA	6.658	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.967	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.052	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.356	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.513	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.713	663.0 -> 619.0	0	0.0000	µg/L	md	

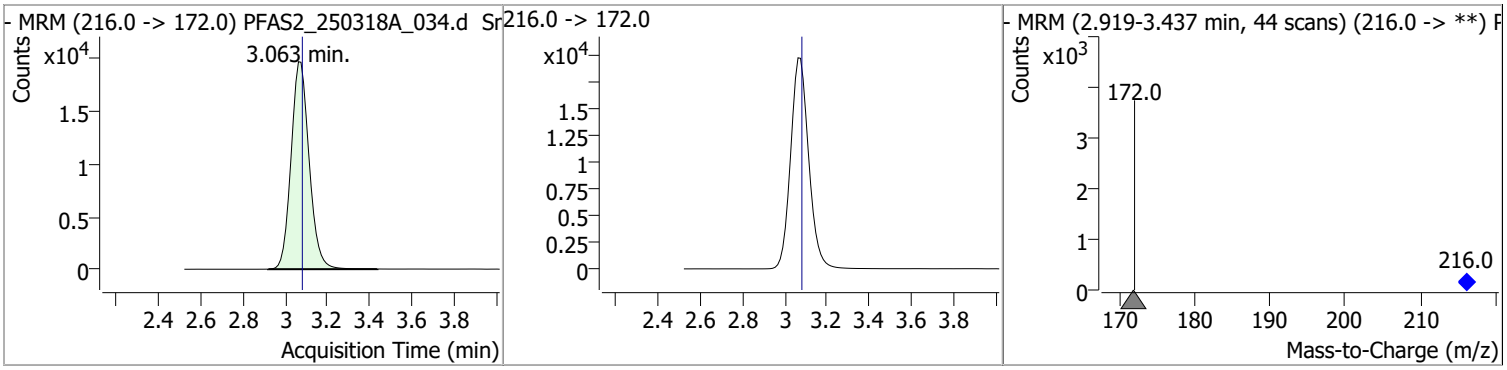
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	126	0.0061	µg/L		83
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.216	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	143	0.0295	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	116	0.0737	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

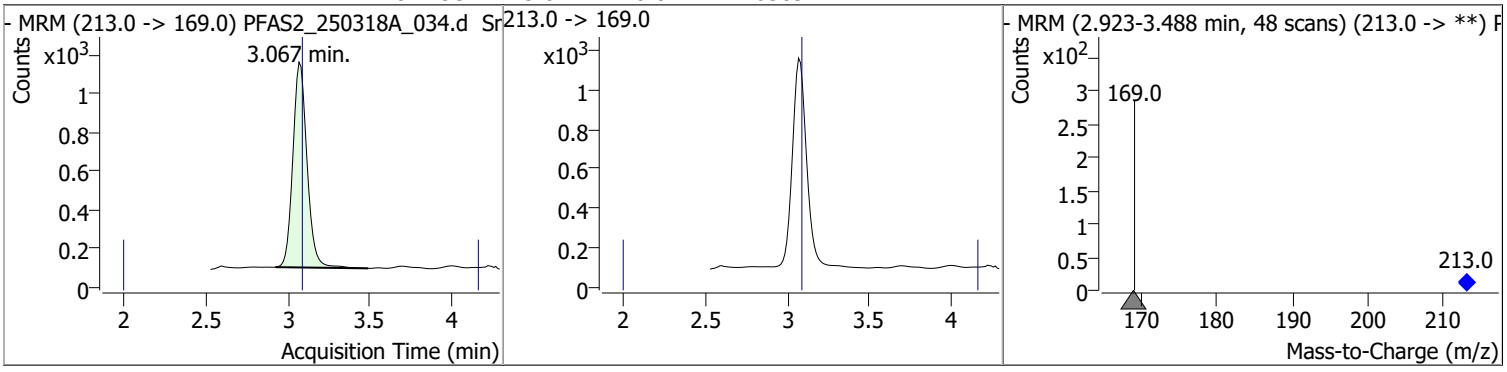
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.9012	3.07	0.00	182665				



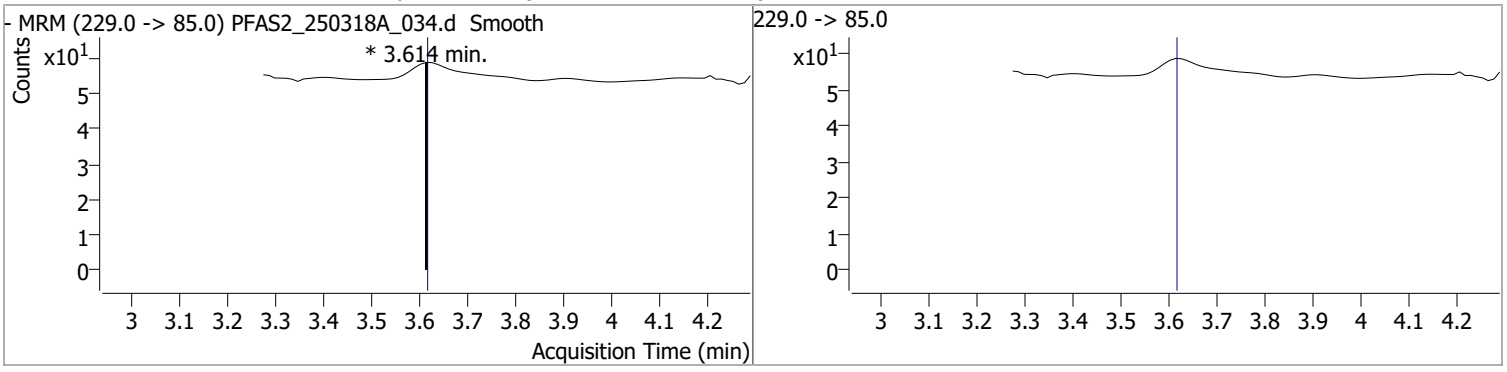
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	116475				



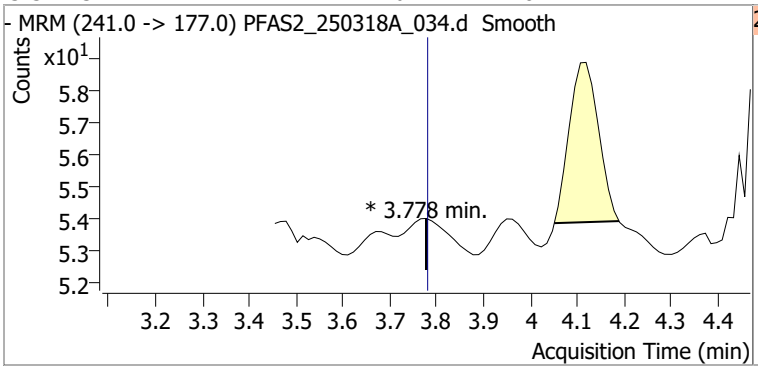
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4795	3.07	-0.01	6389				

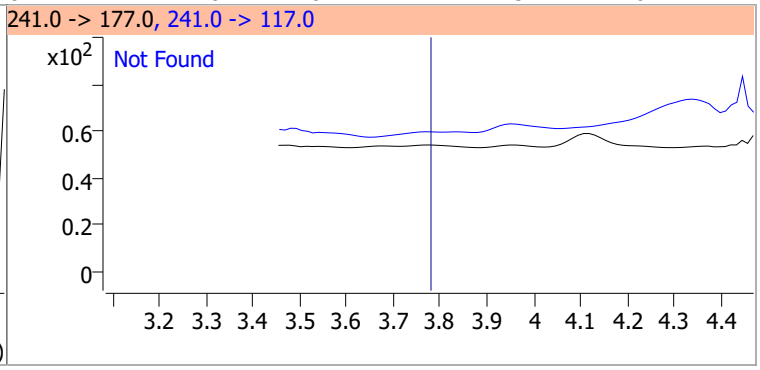


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

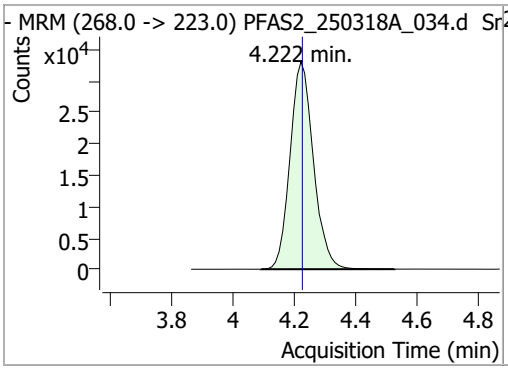


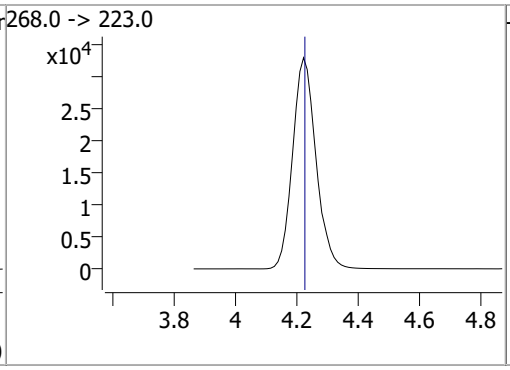
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

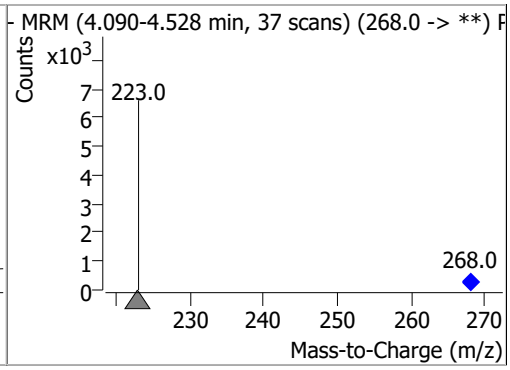




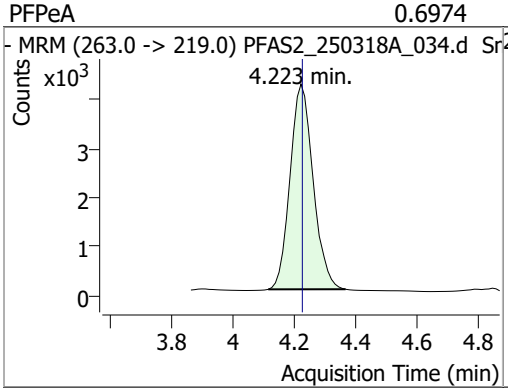
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8662	4.22	0.00	175508				

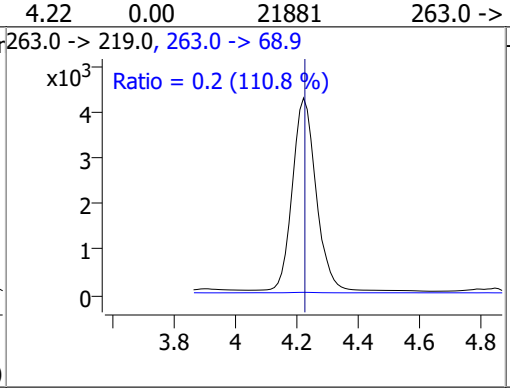


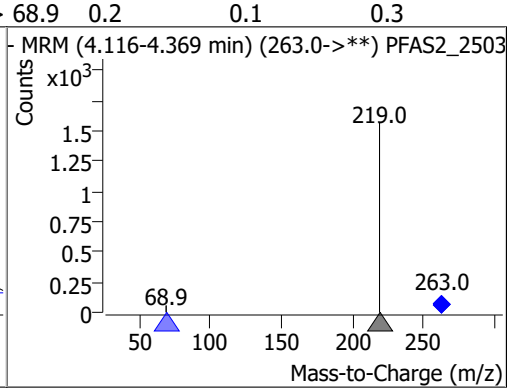




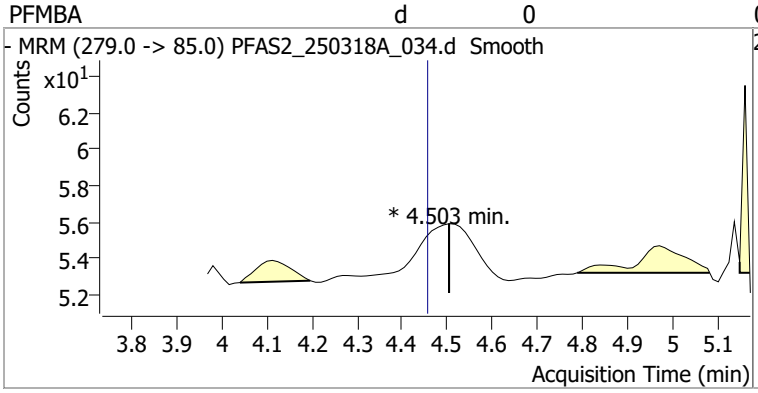
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.6974	4.22	0.00	21881	263.0 -> 68.9	0.2	0.1	0.3

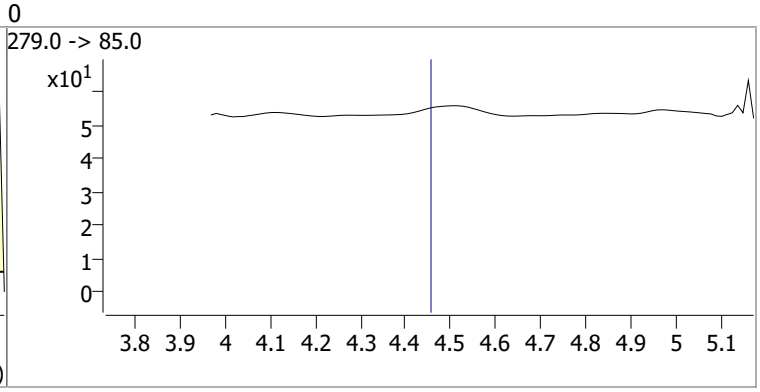




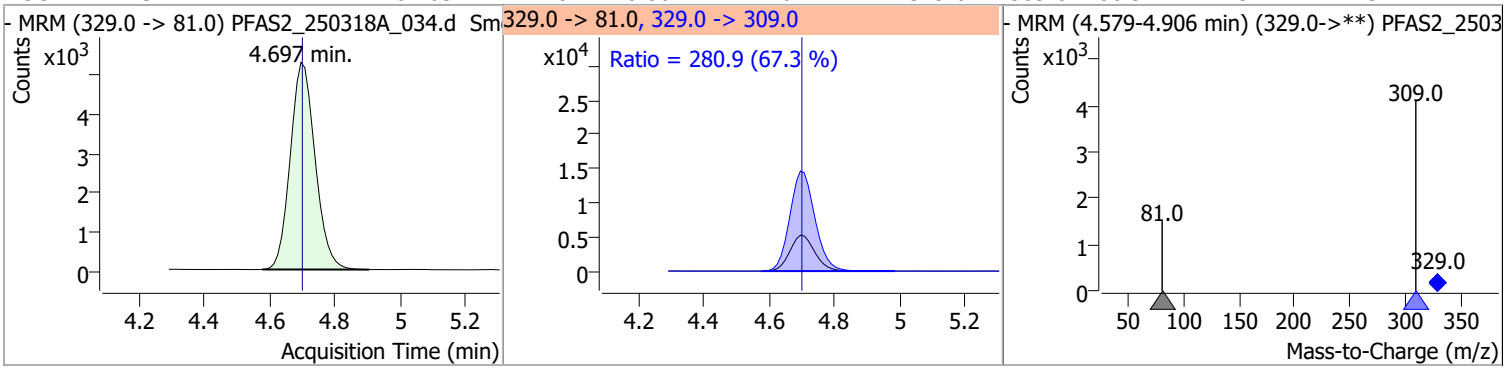


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

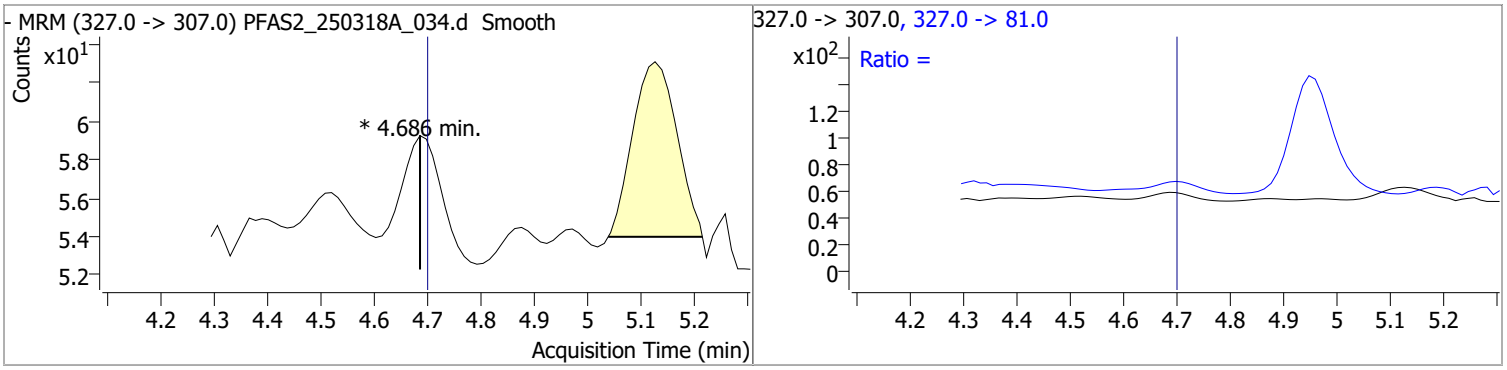




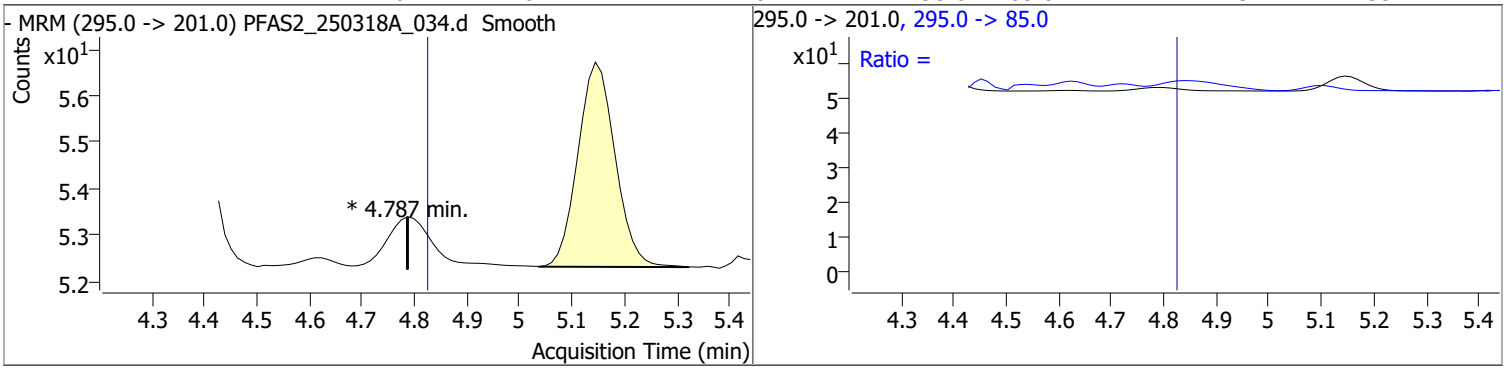
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.4652	4.70	0.00	27627	329.0 -> 309.0	280.9	292.1	542.4



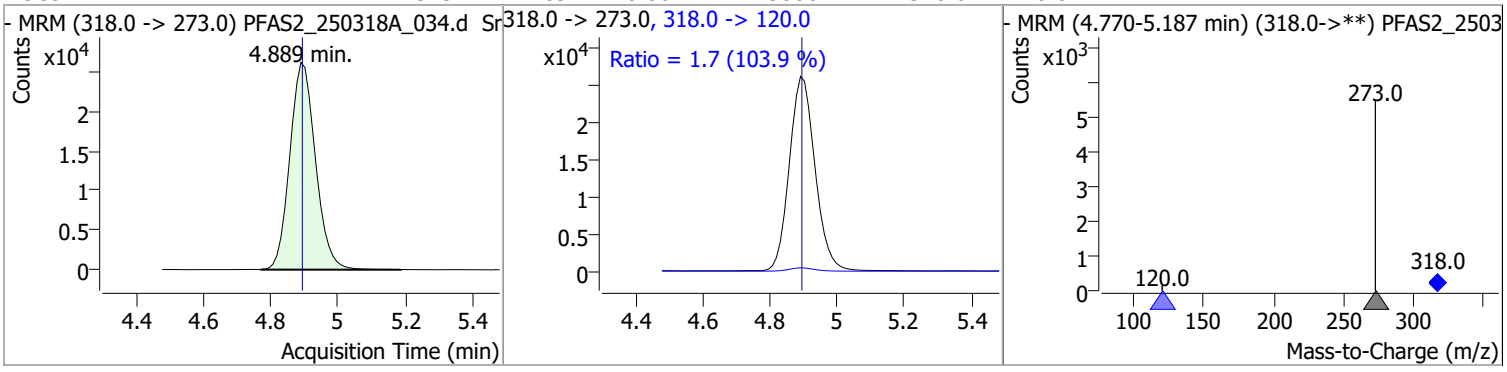
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



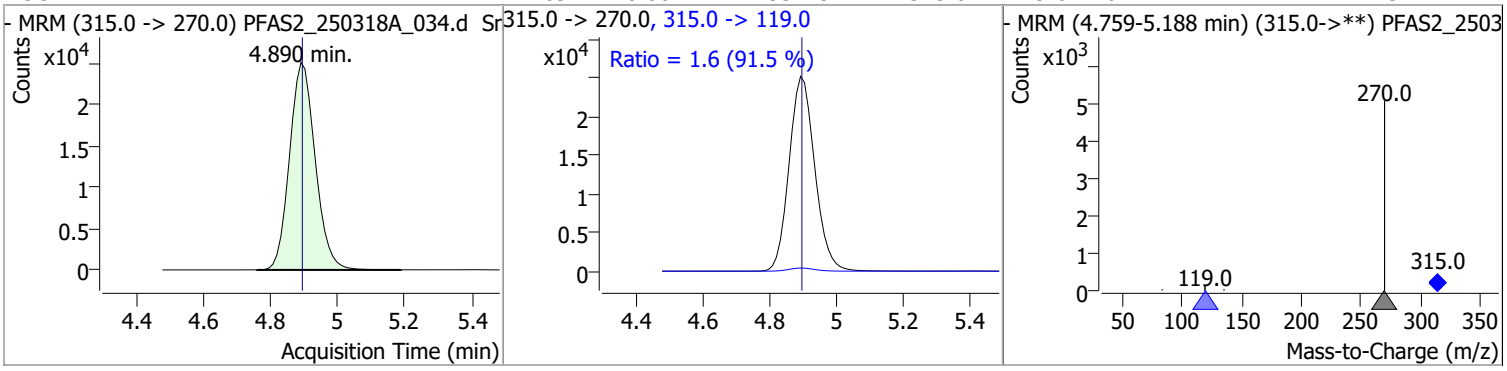
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



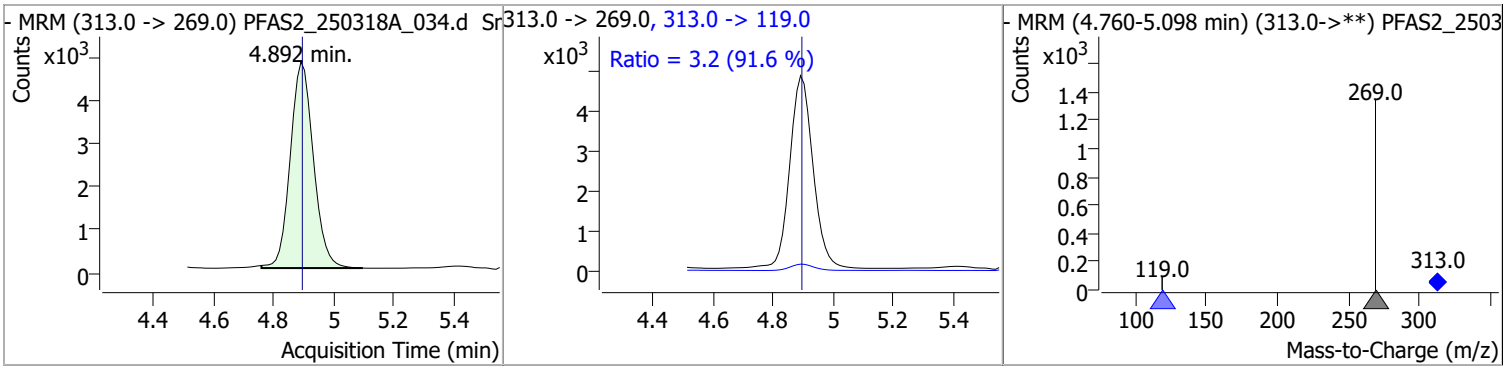
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3454	4.89	0.00	138087	318.0 -> 120.0	1.7	1.1	2.1



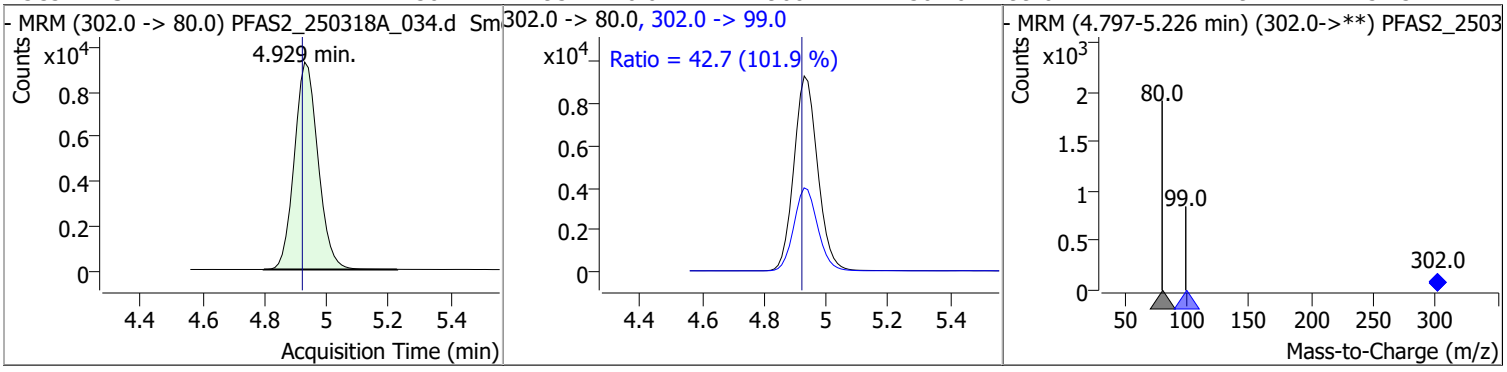
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	133719	315.0 -> 119.0	1.6	1.2	2.3



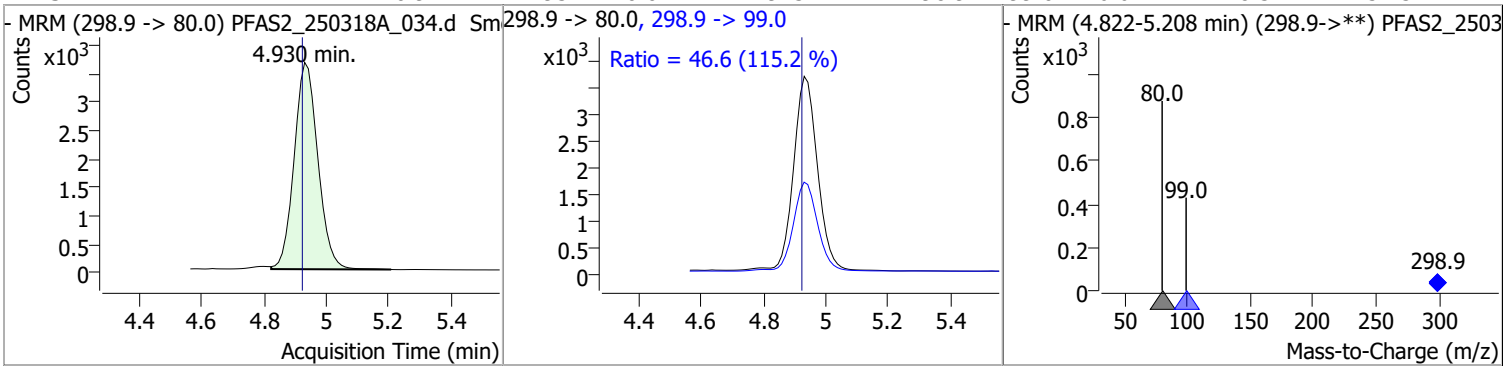
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5184	4.89	0.00	25614	313.0 -> 119.0	3.2	2.4	4.5



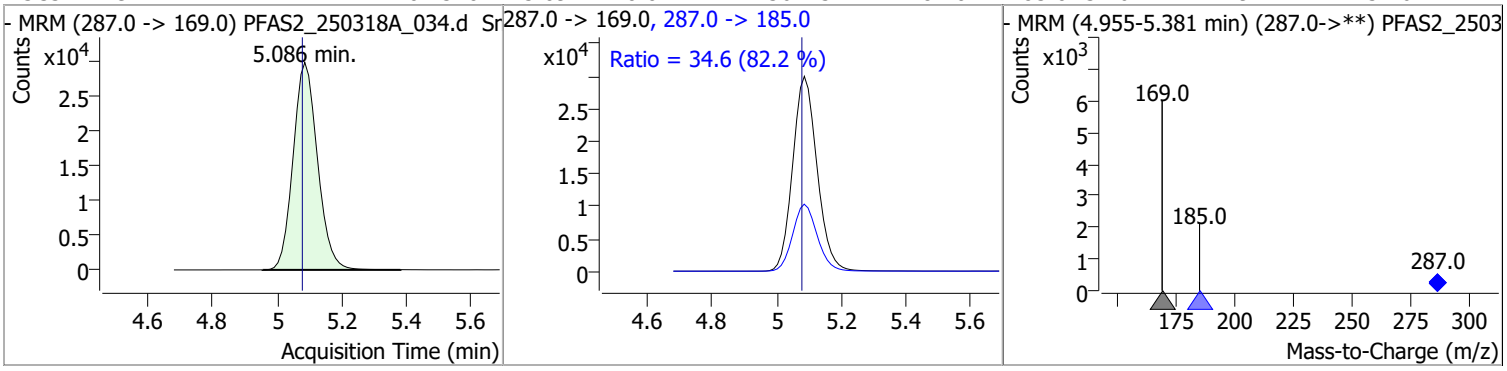
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3822	4.93	0.01	49081	302.0 -> 99.0	42.7	29.4	54.5



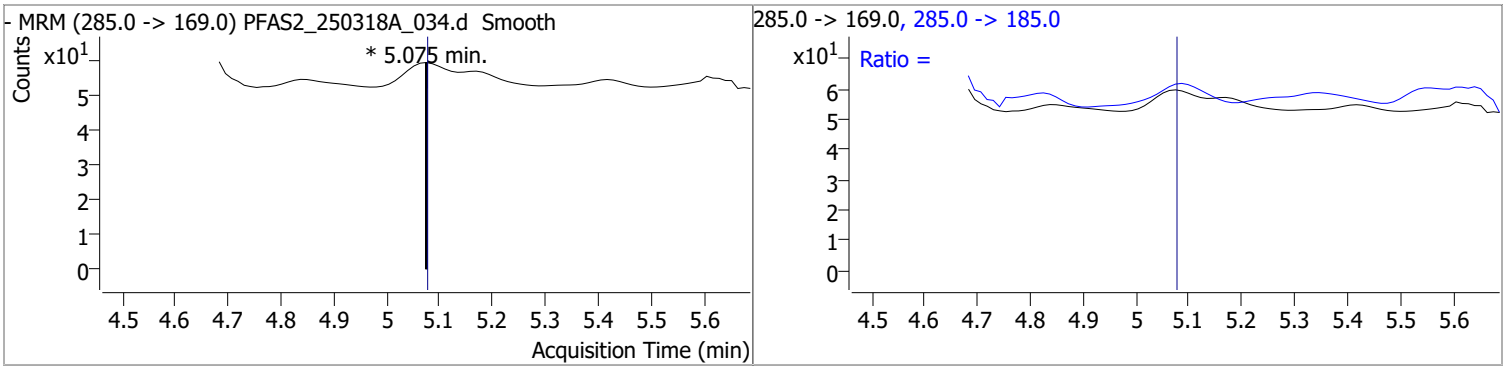
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.9444	4.93	0.01	19232	298.9 -> 99.0	46.6	28.3	52.5



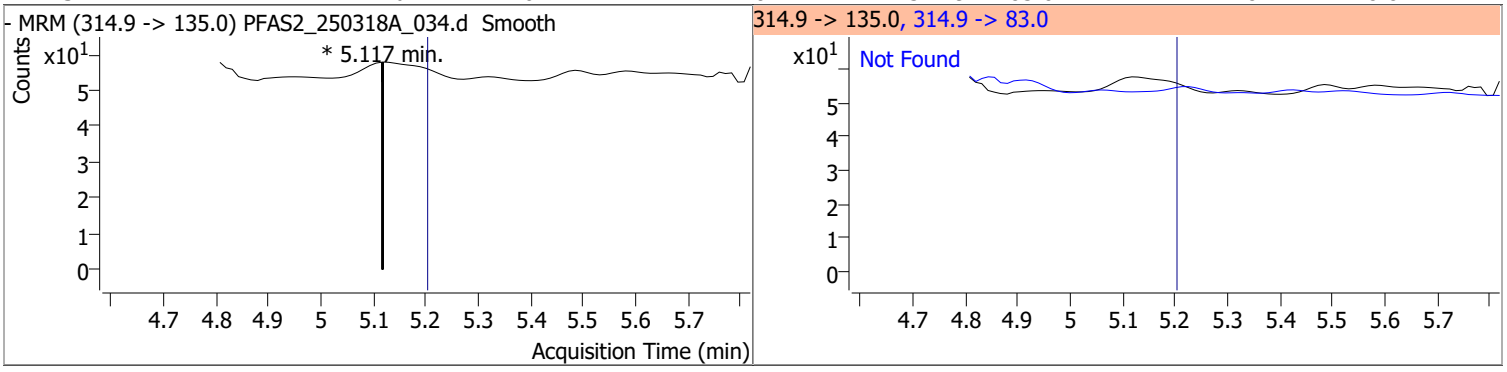
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2570	5.09	0.01	156245	287.0 -> 185.0	34.6	29.4	54.6



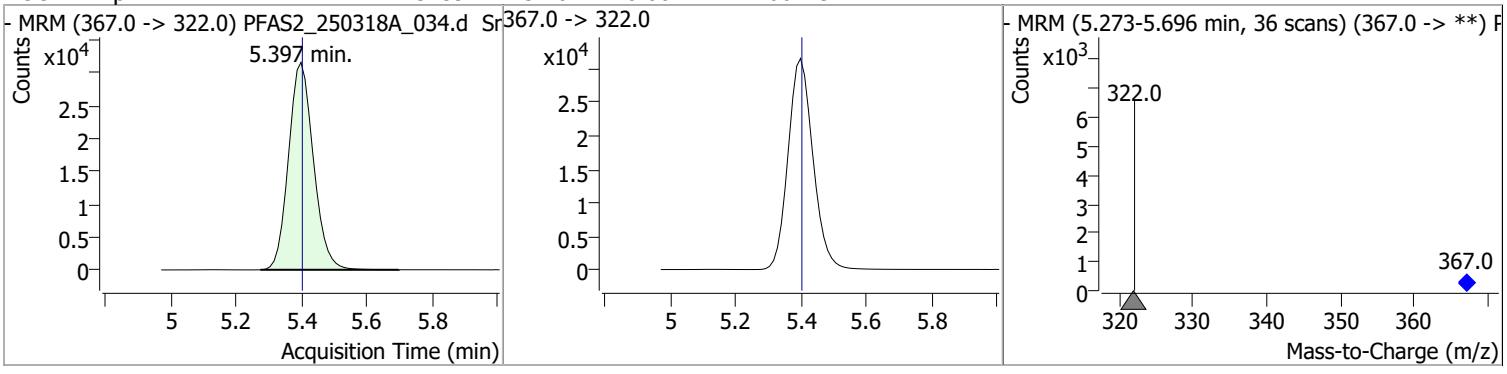
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



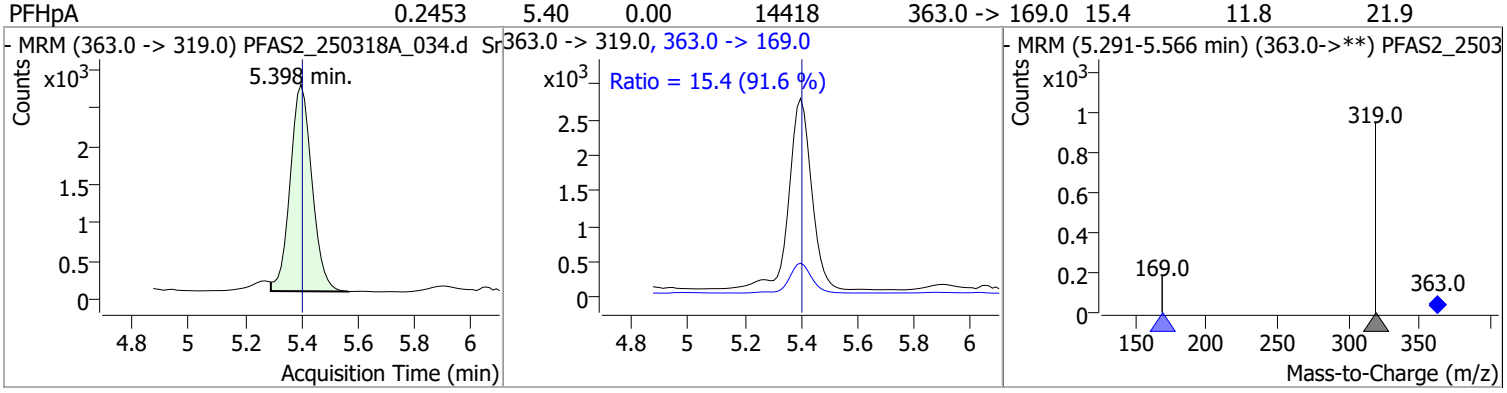
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



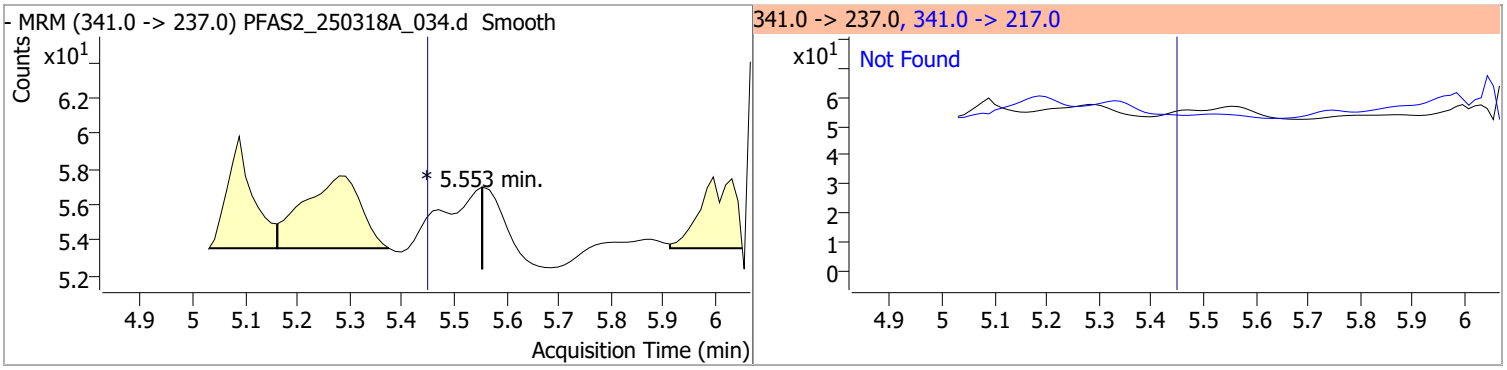
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5259	5.40	0.00	166279				



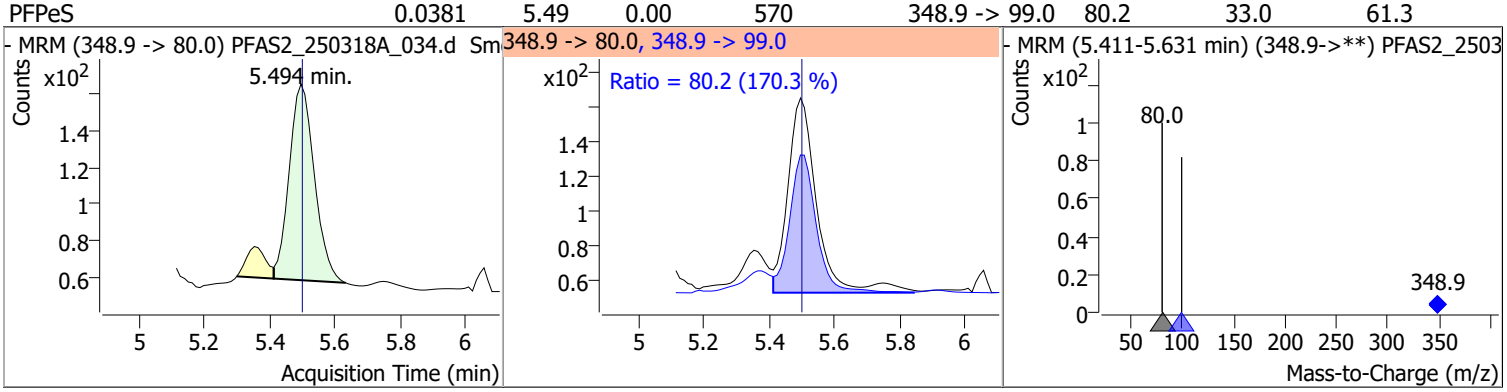
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2453	5.40	0.00	14418	363.0 -> 169.0	15.4	11.8	21.9



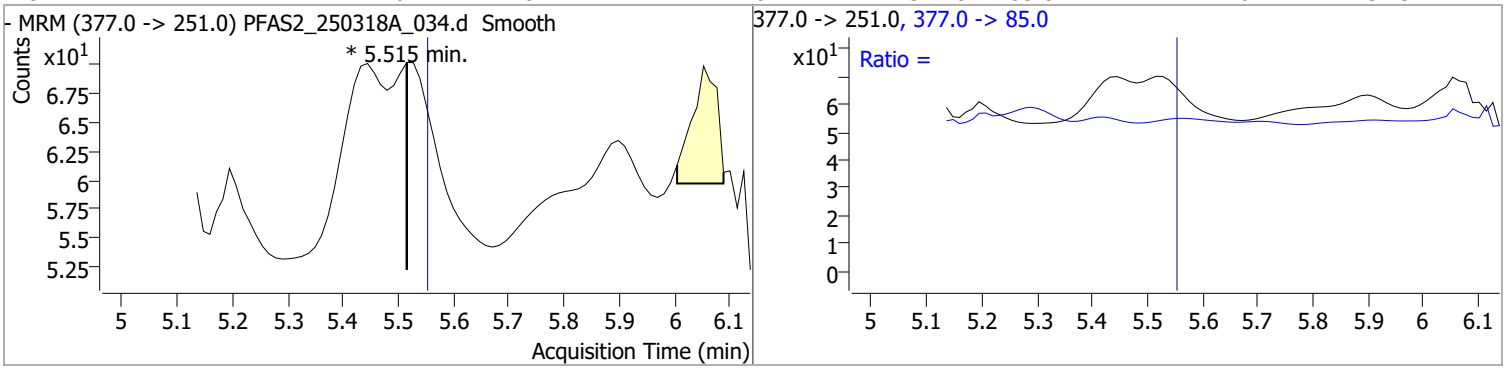
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



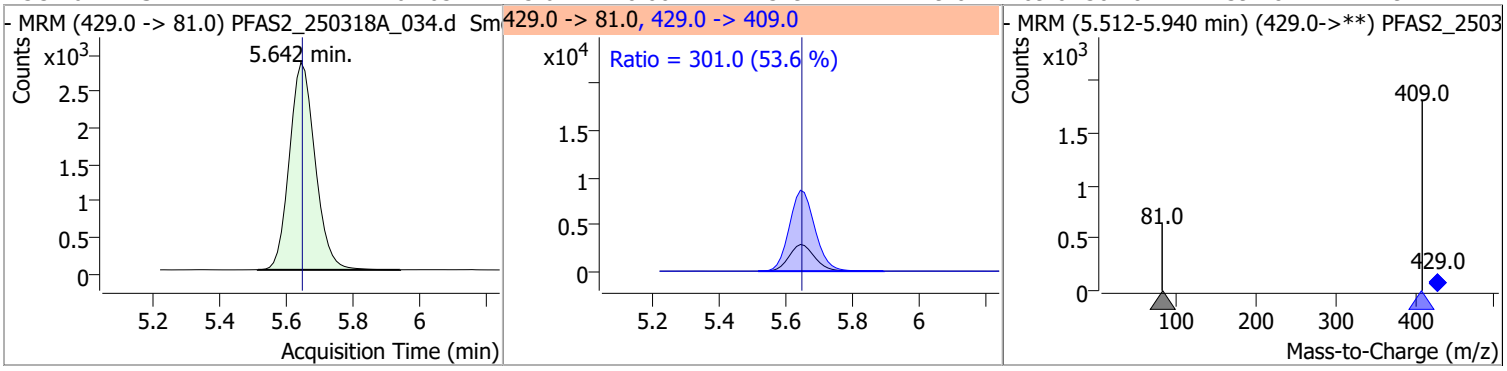
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0381	5.49	0.00	570	348.9 -> 99.0	80.2	33.0	61.3



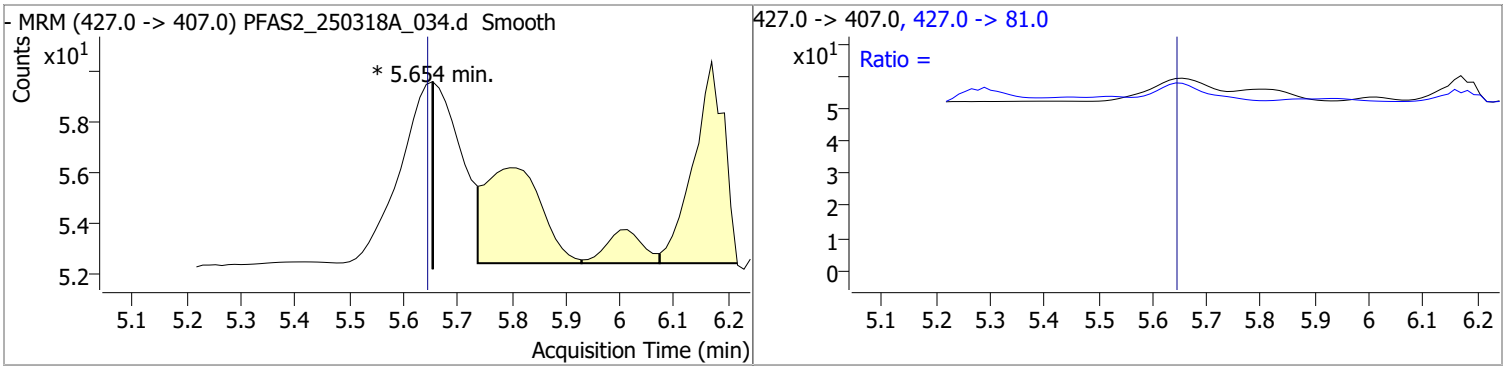
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



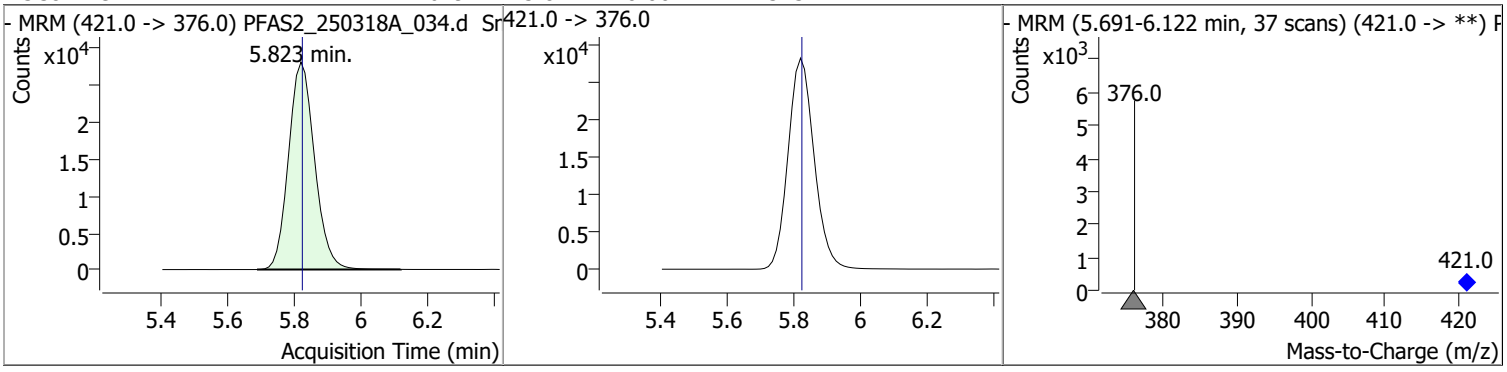
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.1034	5.64	0.00	15291	429.0 -> 409.0	301.0	392.8	729.4



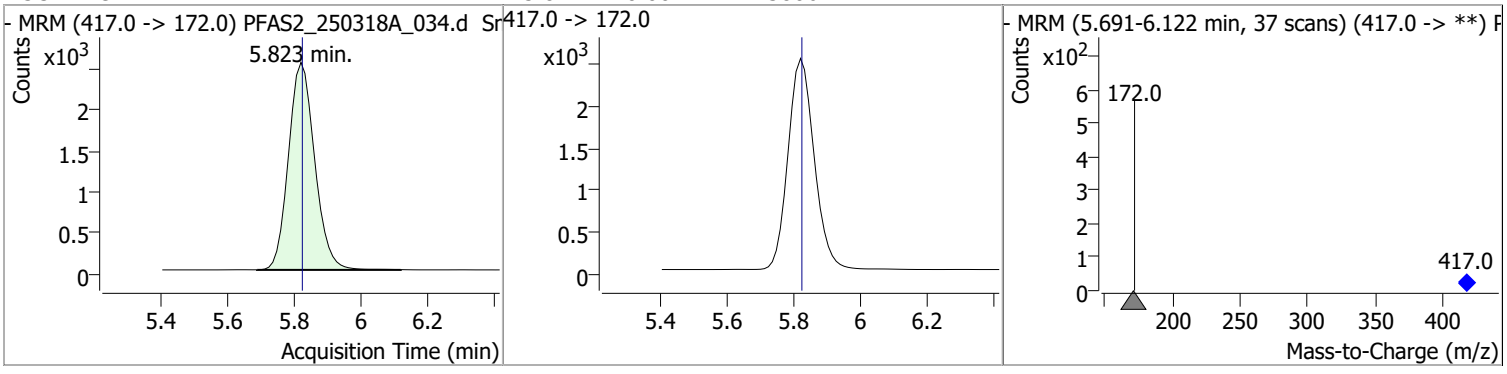
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



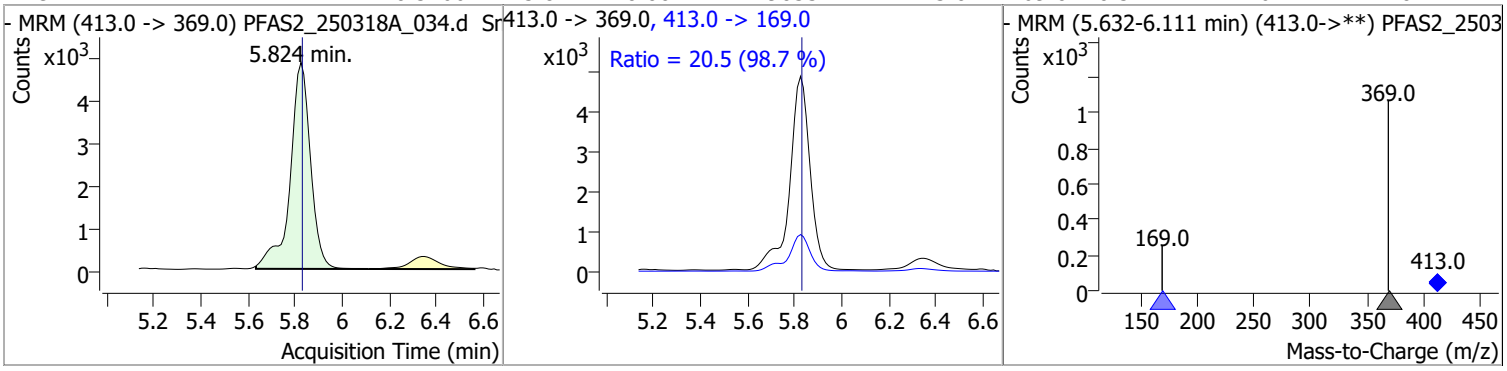
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4679	5.82	0.00	152371				



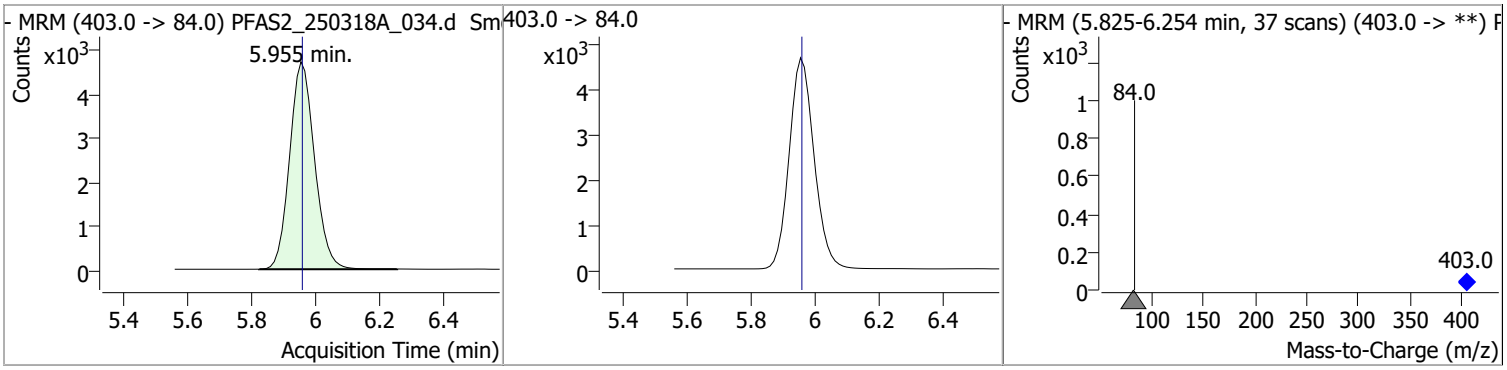
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13806				



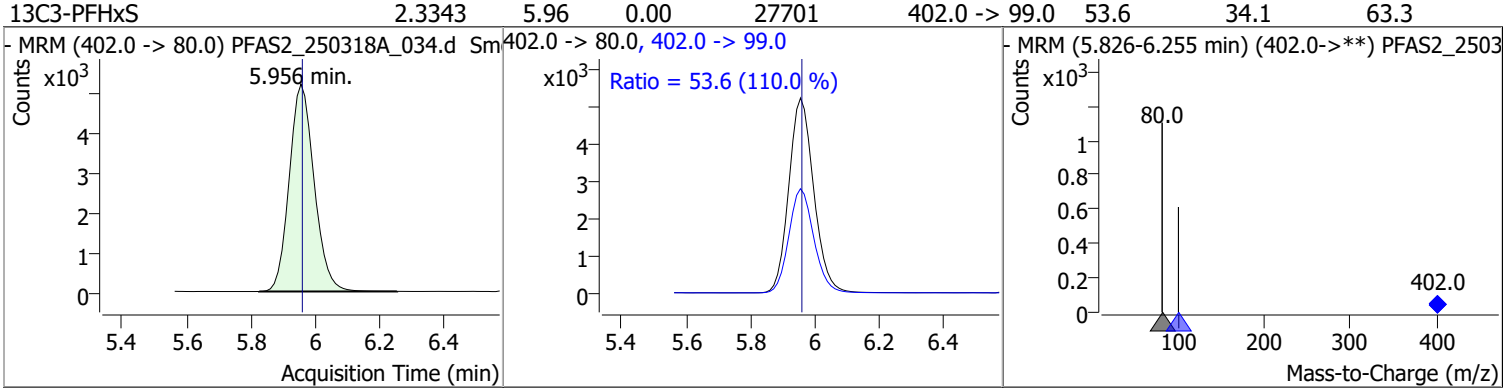
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5166	5.82	0.00	29033	413.0 -> 169.0	20.5	14.6	27.0



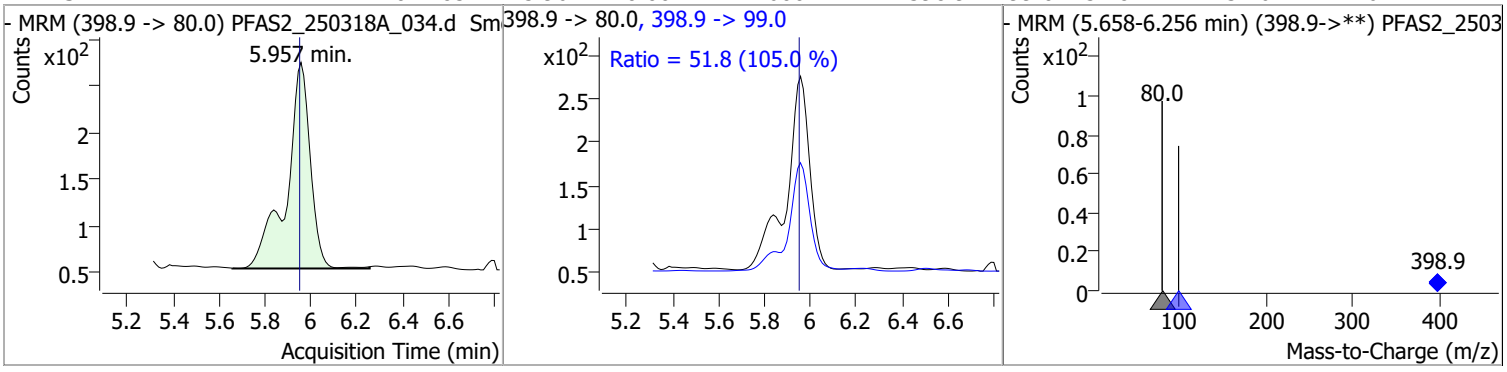
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25160				



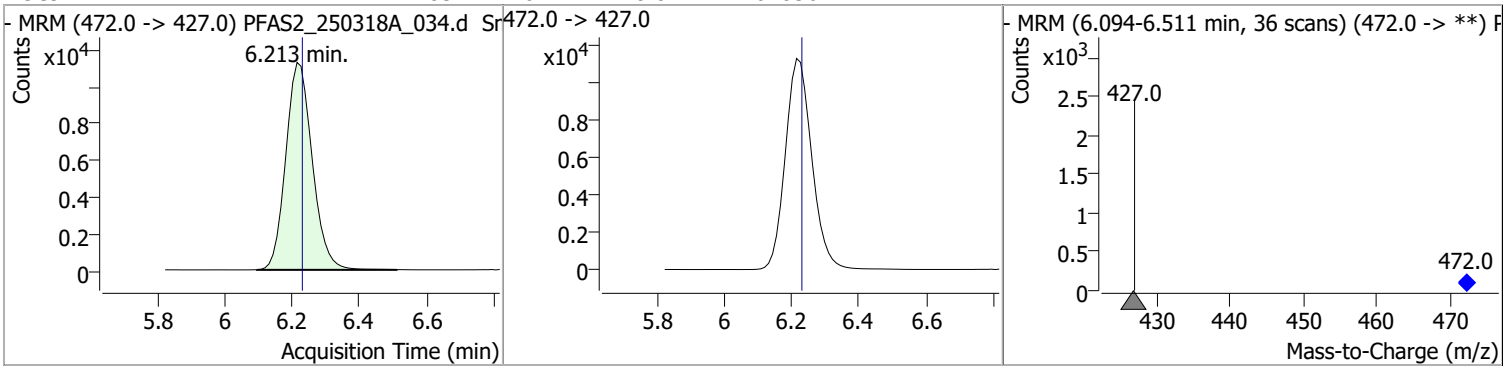
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3343	5.96	0.00	27701	402.0 -> 99.0	53.6	34.1	63.3



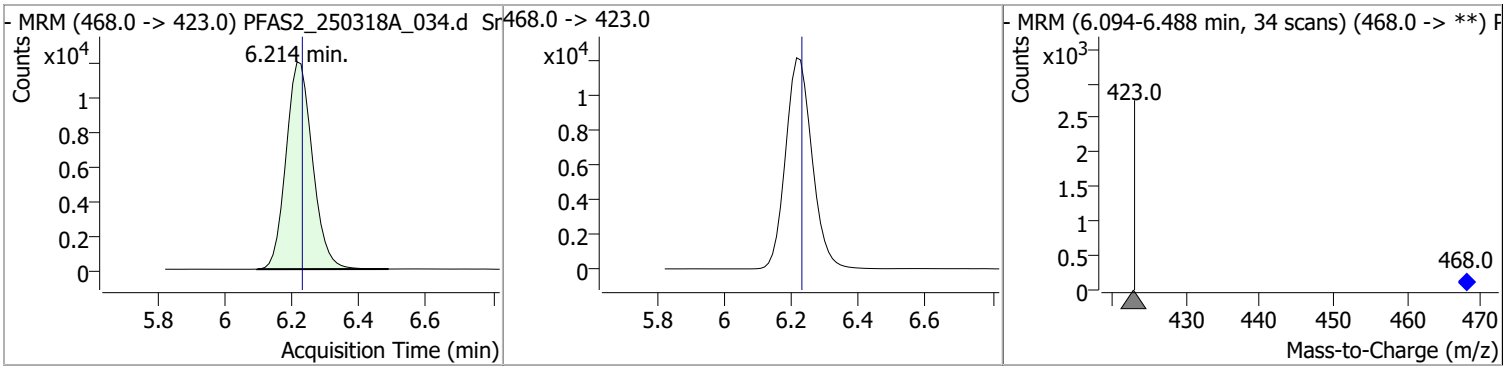
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1485	5.96	0.00	1600	398.9 -> 99.0	51.8	34.6	64.2



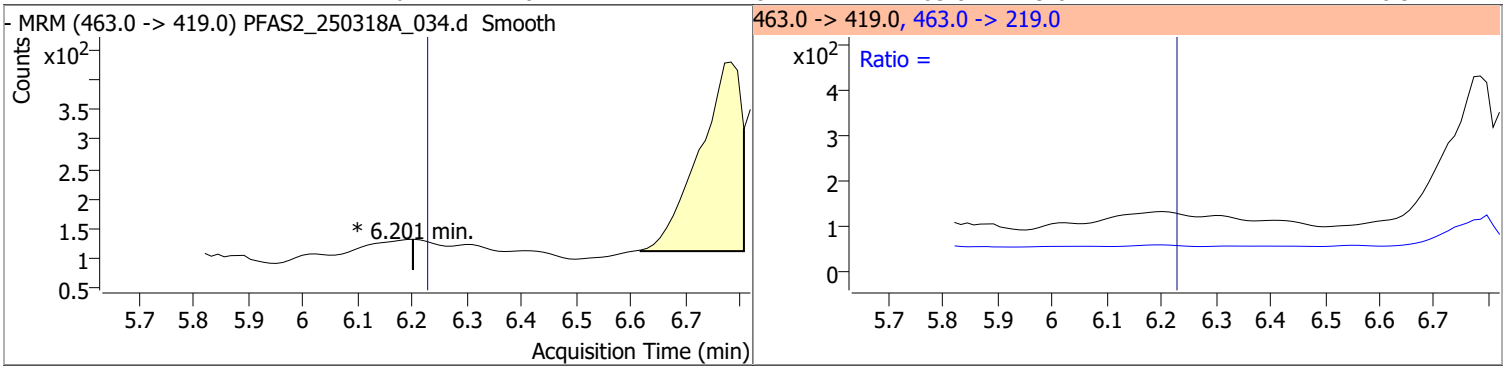
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1852	6.21	-0.01	62036				



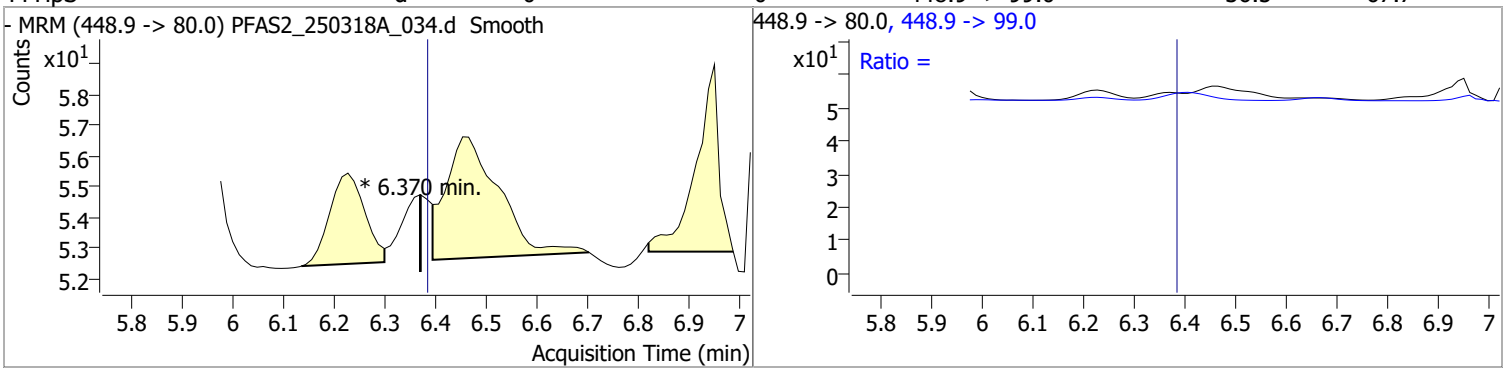
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	66058				



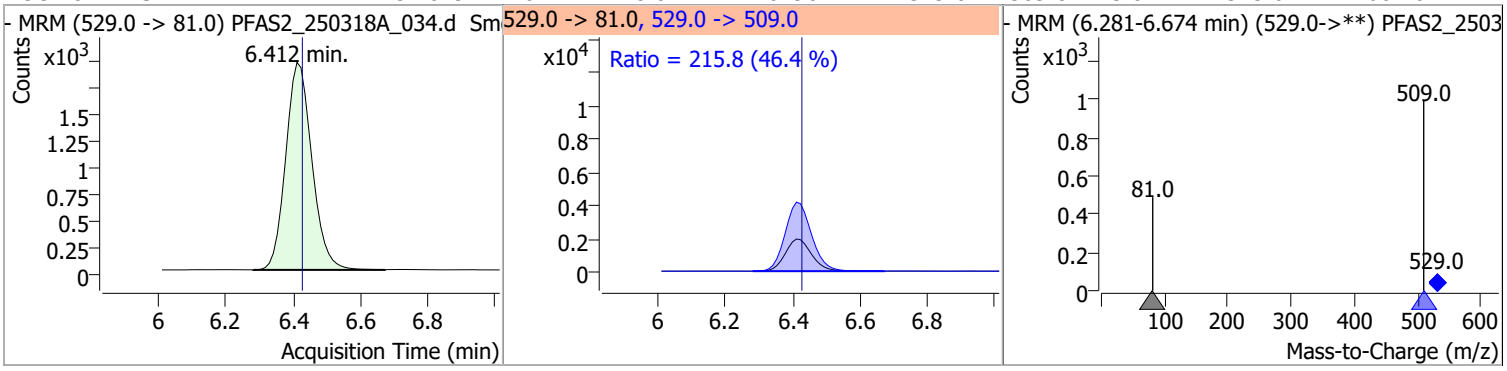
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



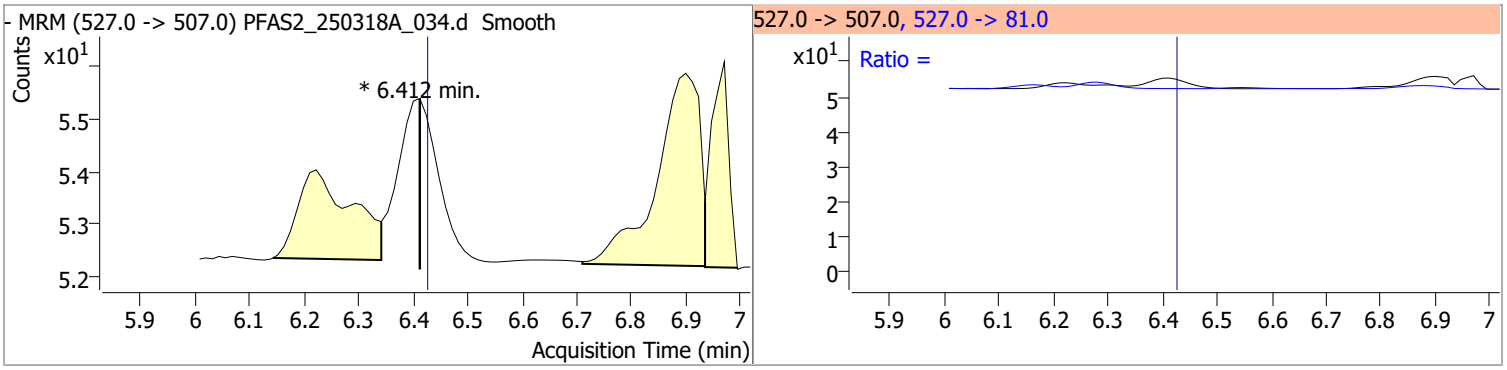
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



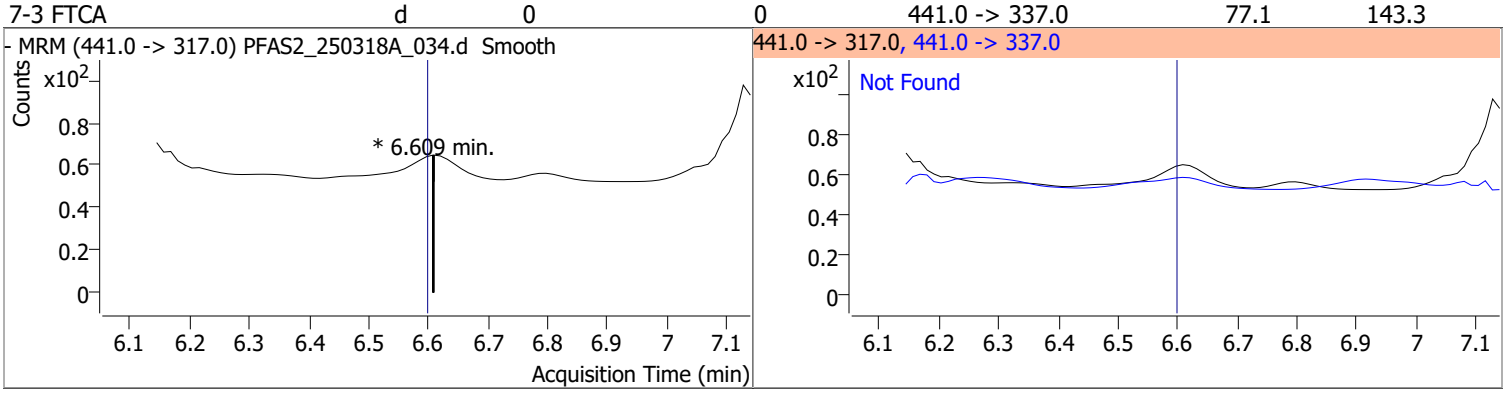
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2079	6.41	-0.01	10490	529.0 -> 509.0	215.8	325.6	604.6



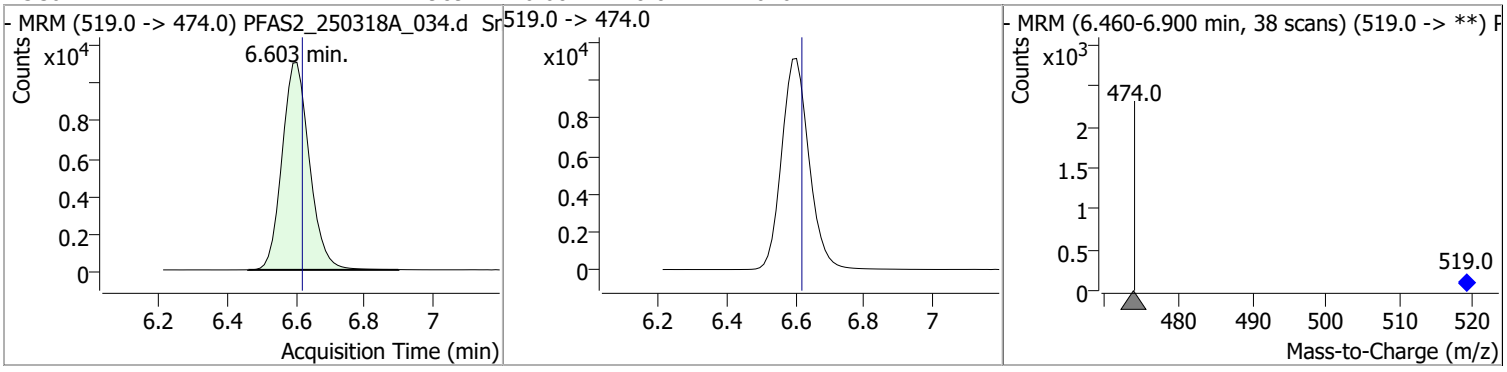
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



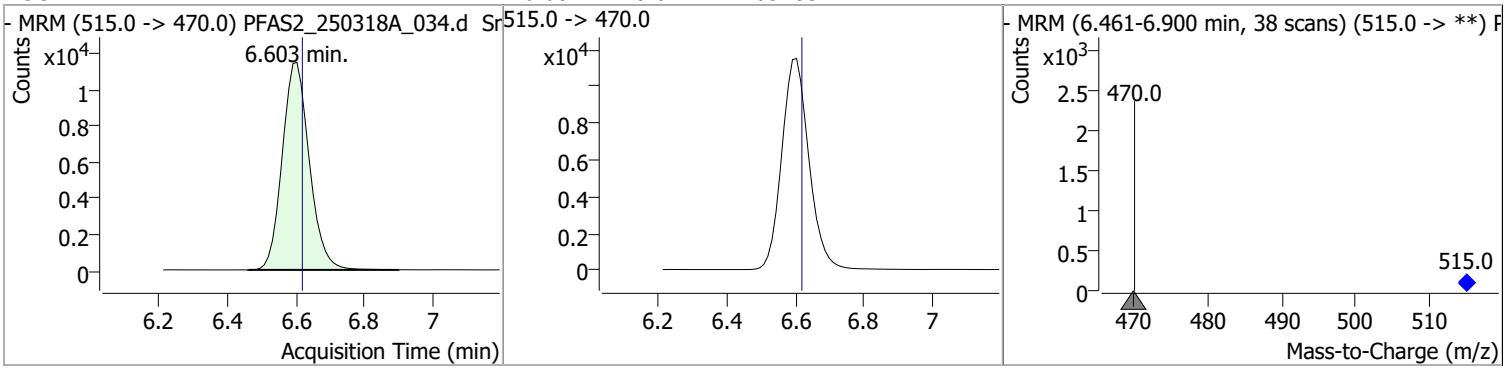
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



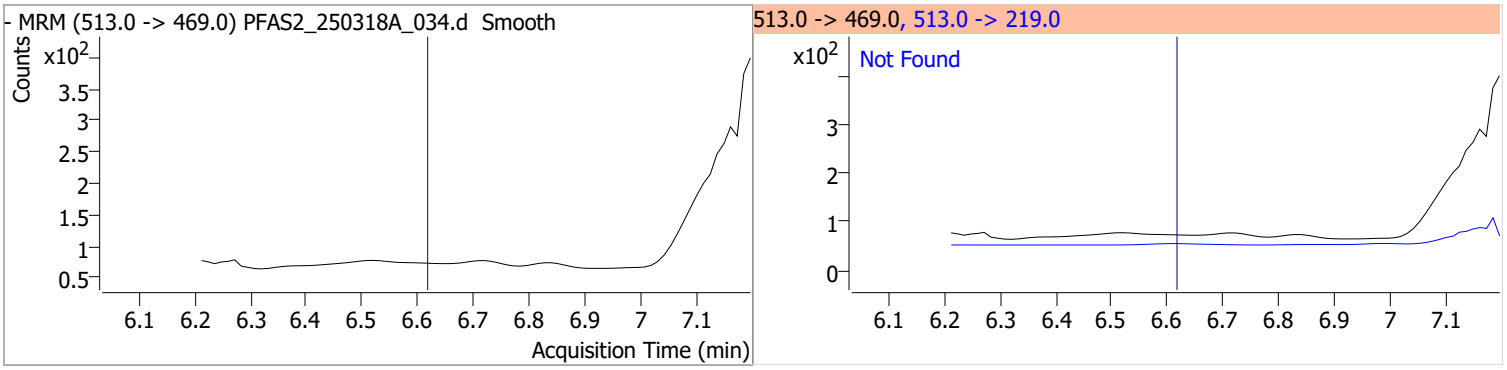
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1989	6.60	-0.01	61641				



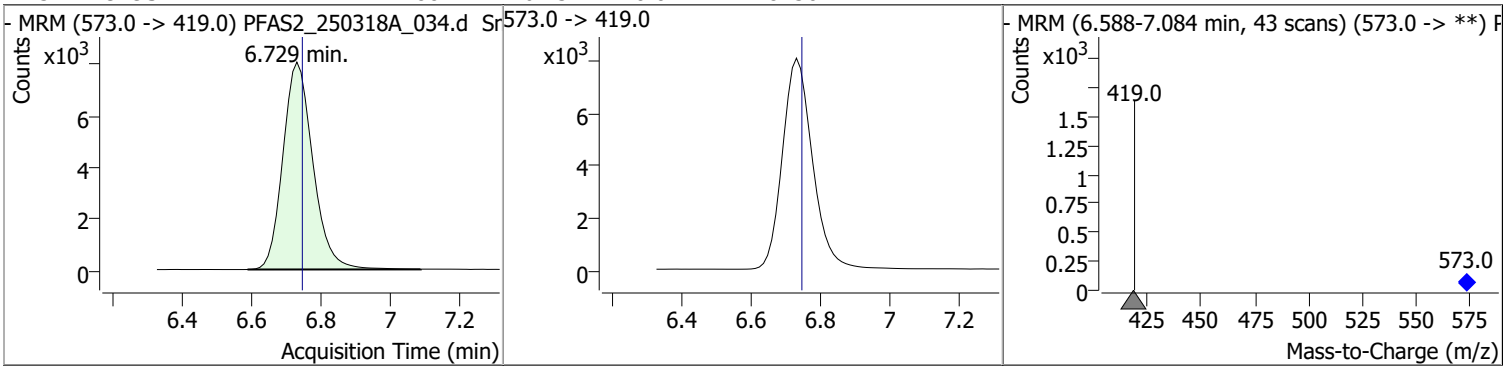
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	63185				



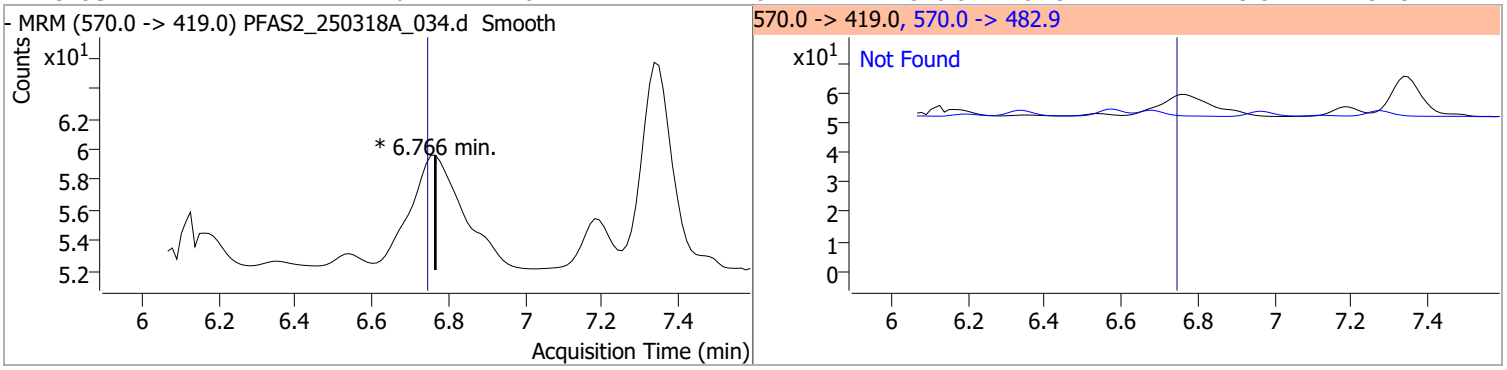
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDA	N.D.	6.62	513.0 -> 219.0	12.5



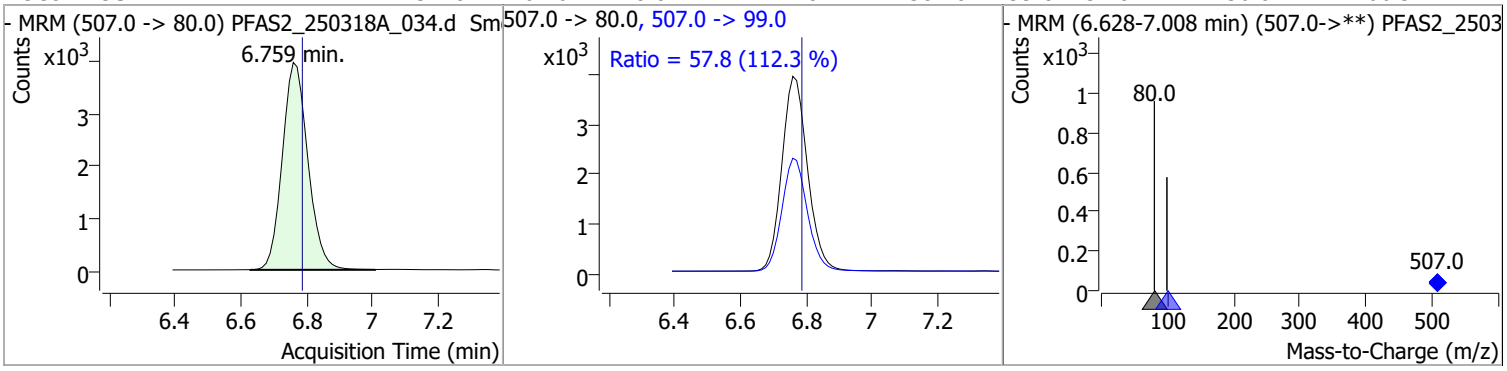
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8877	6.73	-0.01	48130				



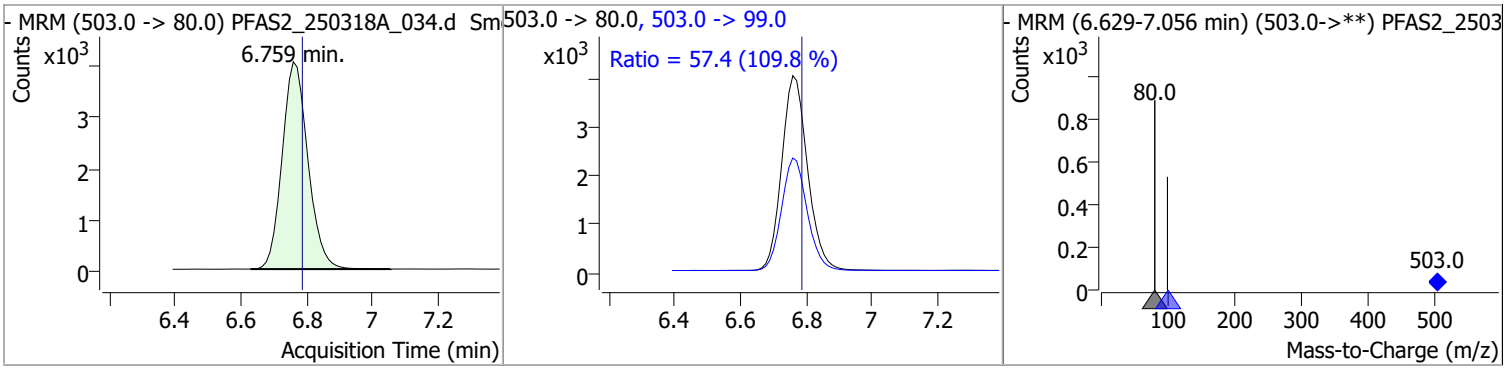
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



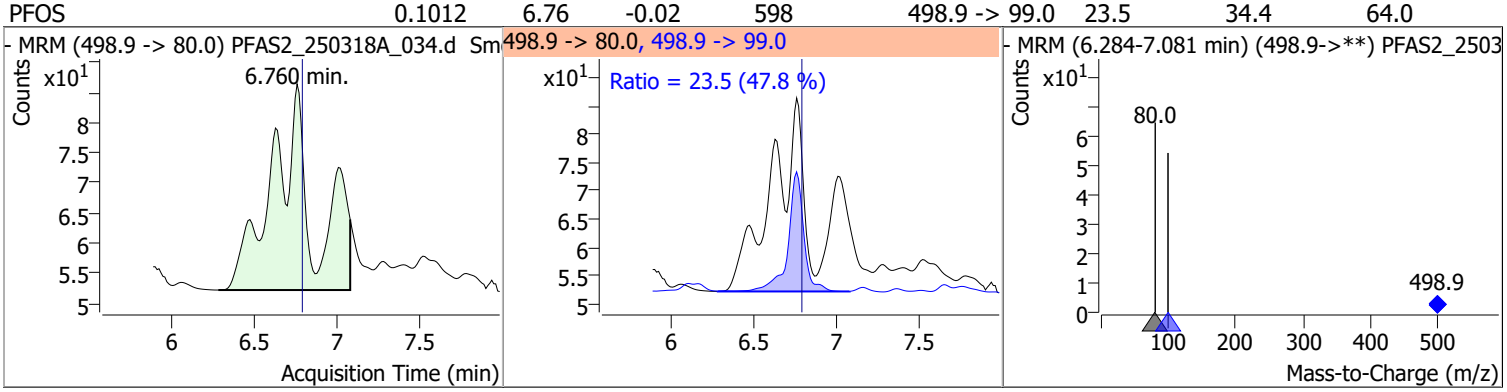
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3778	6.76	-0.02	21178	507.0 -> 99.0	57.8	36.0	66.9



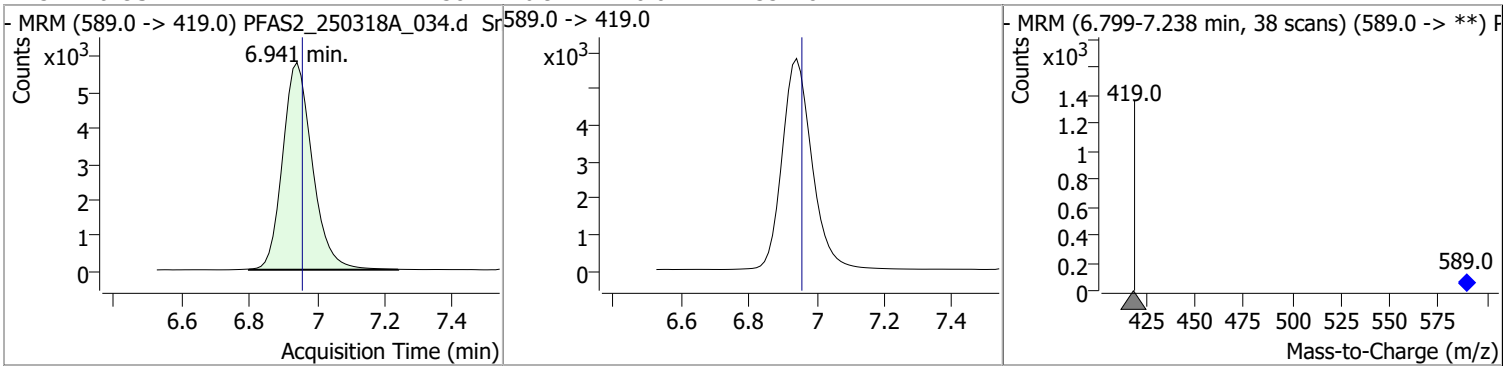
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	21946	503.0 -> 99.0	57.4	36.6	67.9



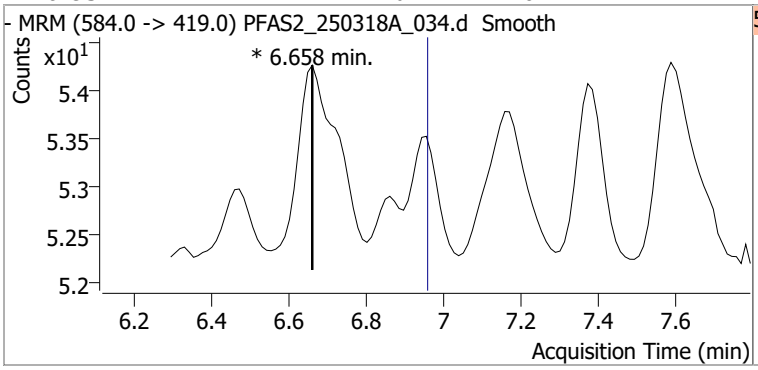
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1012	6.76	-0.02	598	498.9 -> 99.0	23.5	34.4	64.0

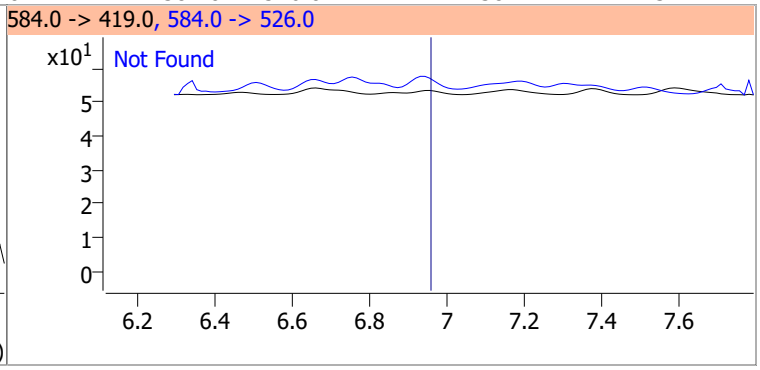


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7238	6.94	-0.01	35118				

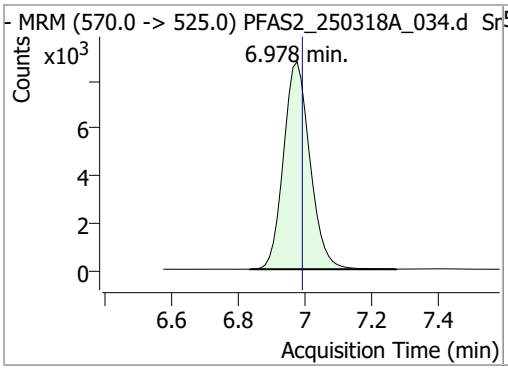


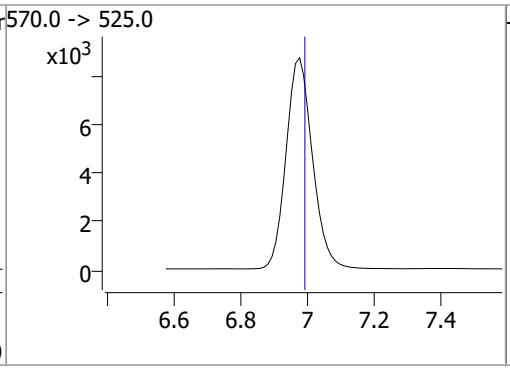
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

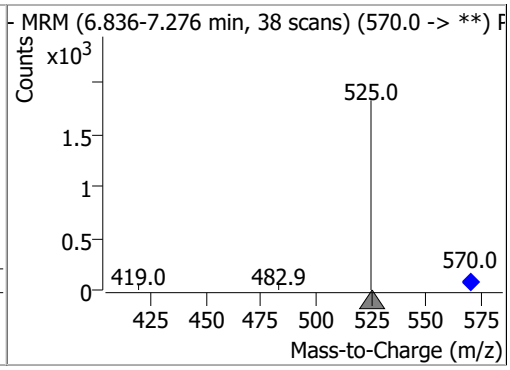




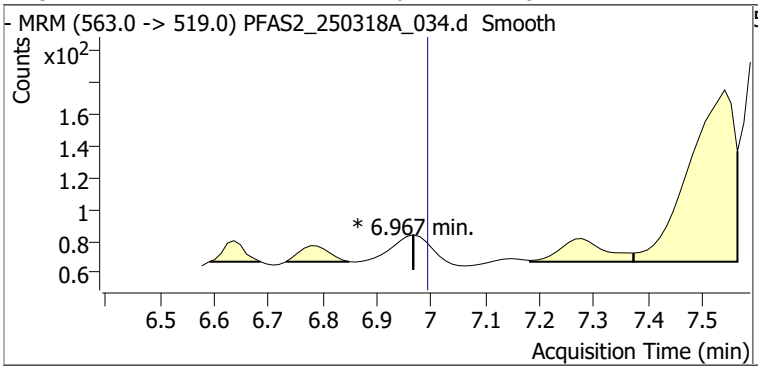
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1896	6.98	-0.01	48202				

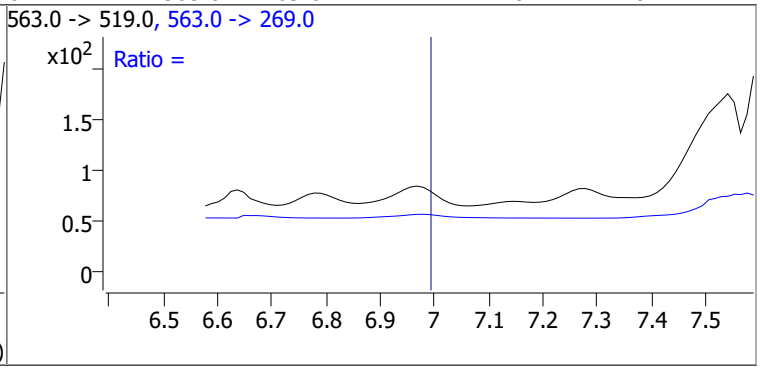




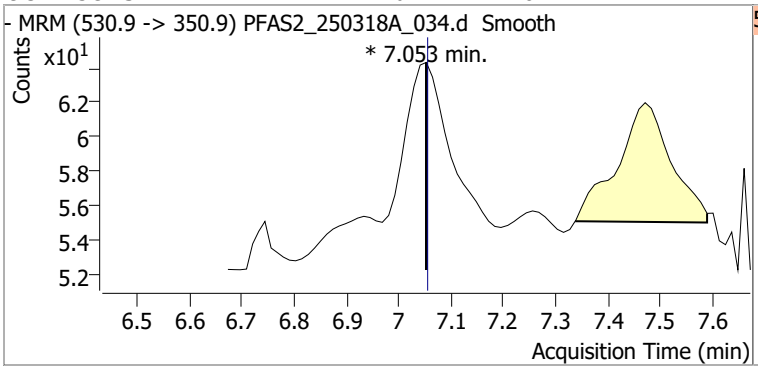


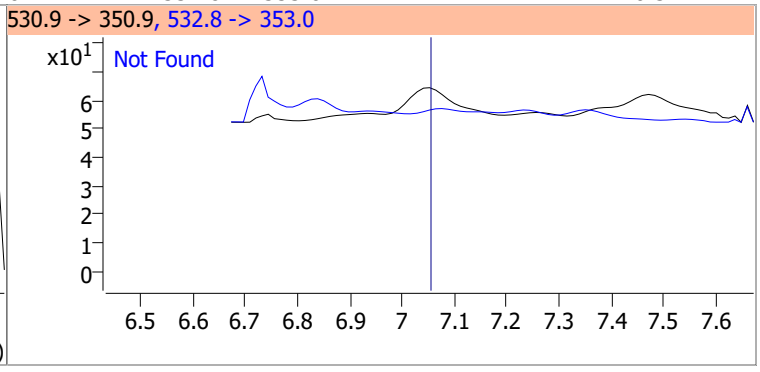
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



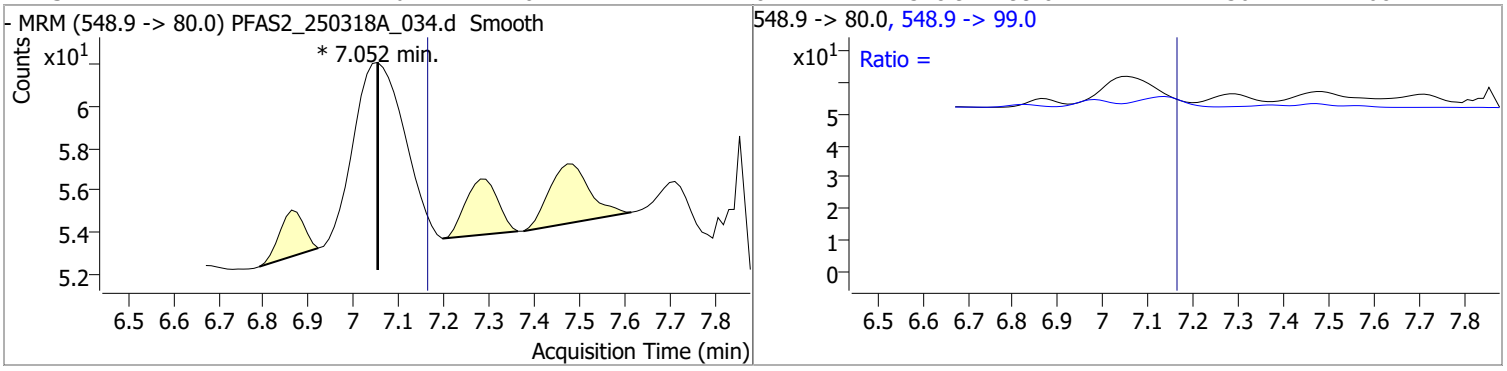


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

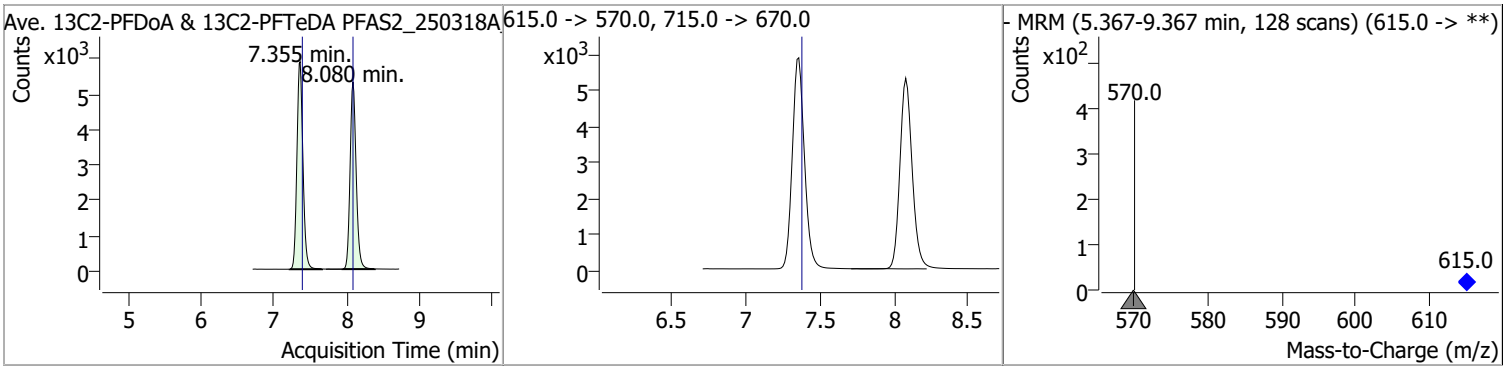




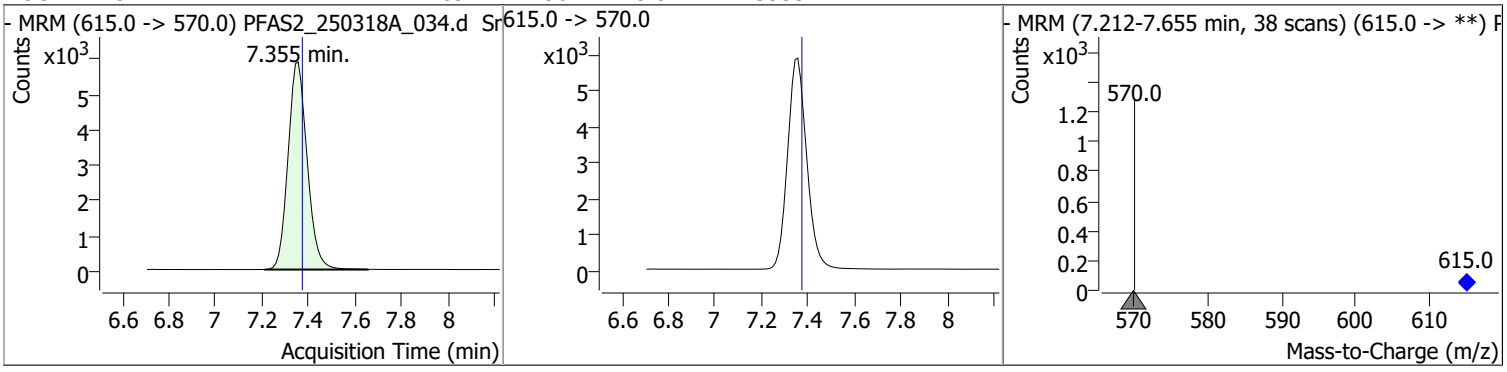
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



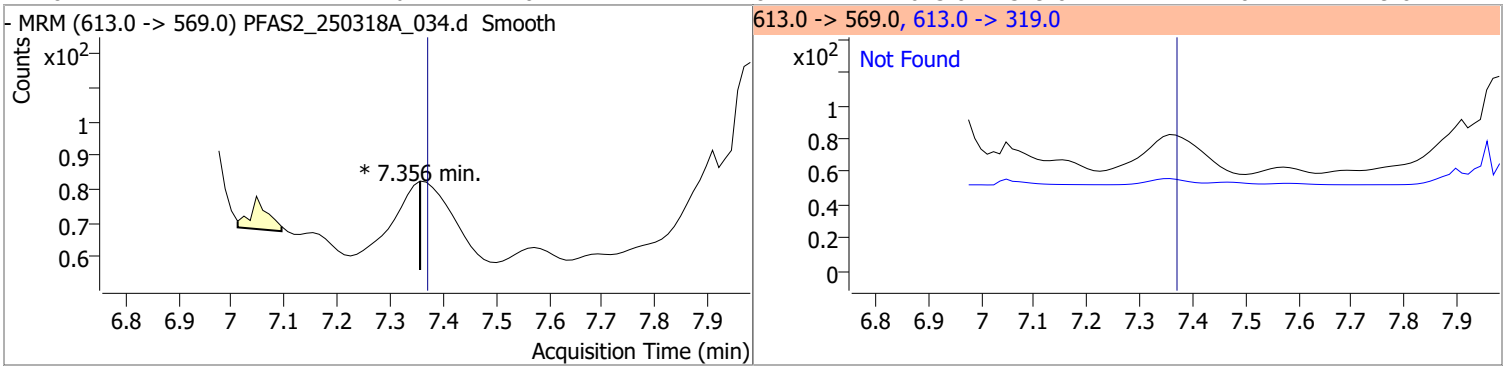
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9610	7.72	0.35	32095				



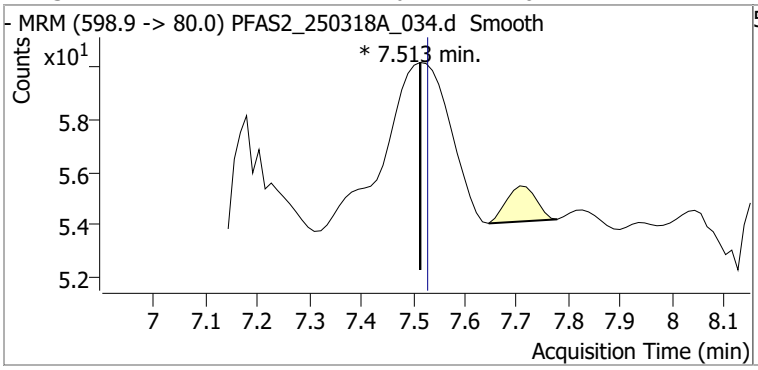
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1109	7.36	-0.01	33537				

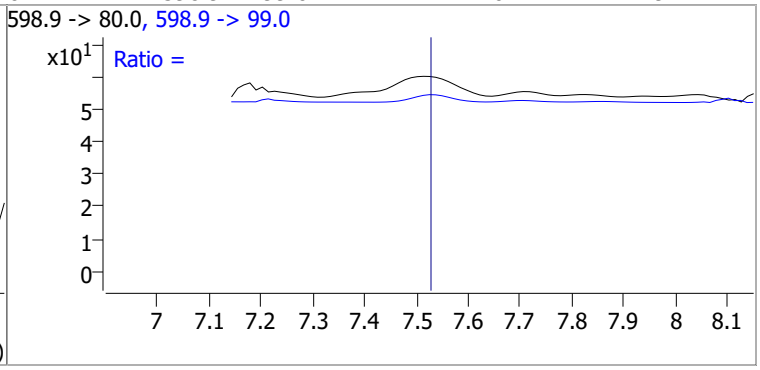


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

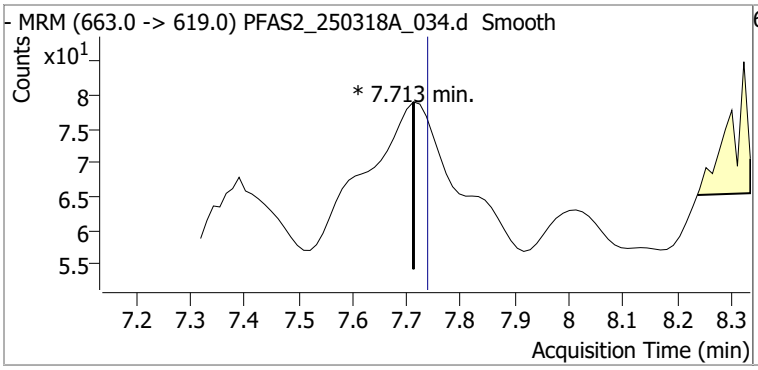


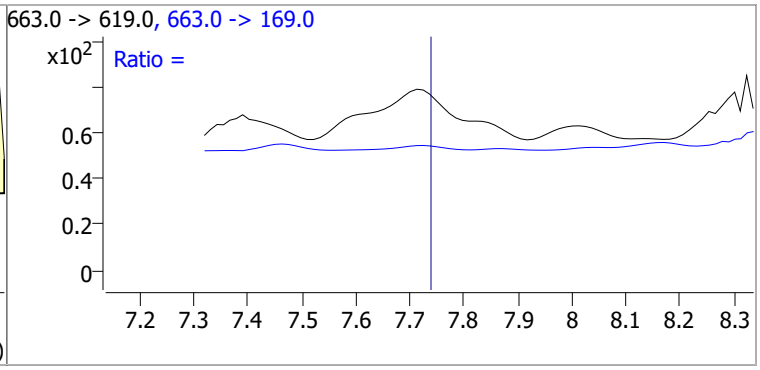
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



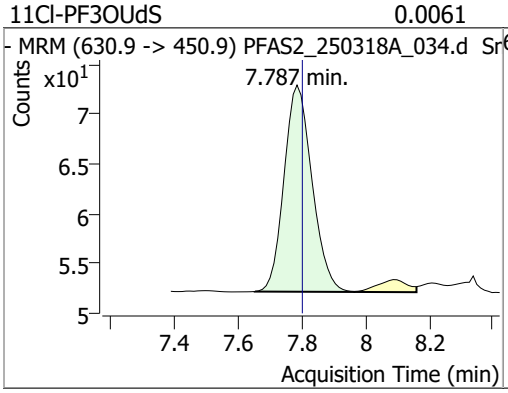


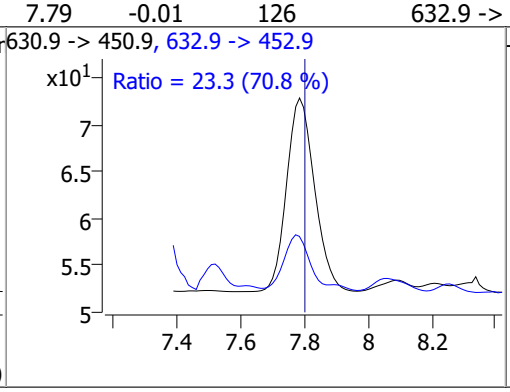
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4

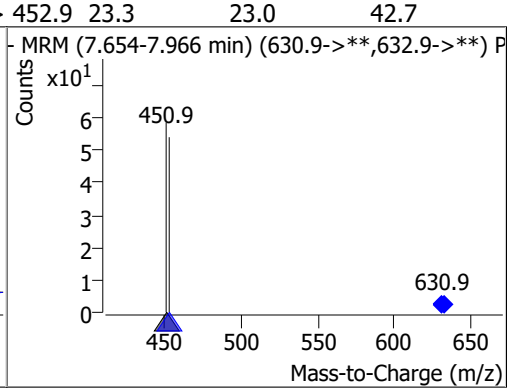




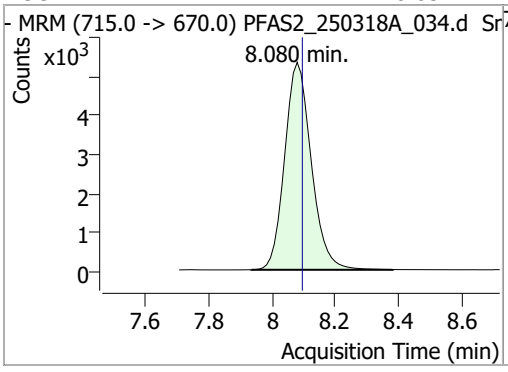
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0061	7.79	-0.01	126	632.9 -> 452.9	23.3	23.0	42.7

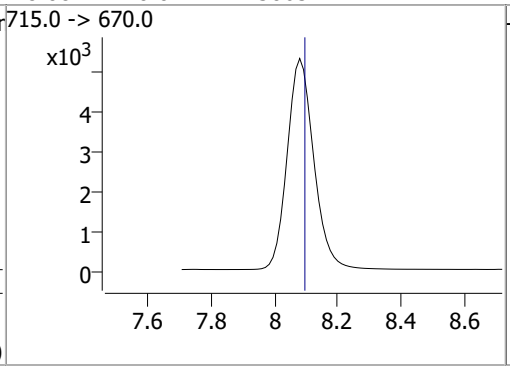


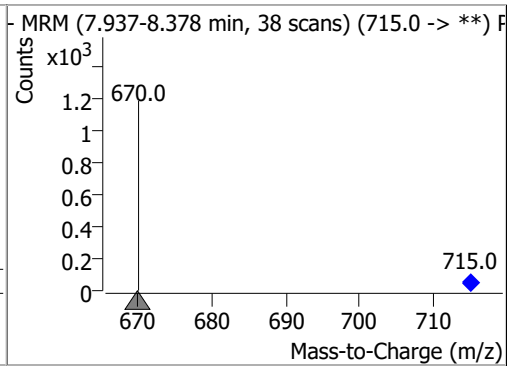




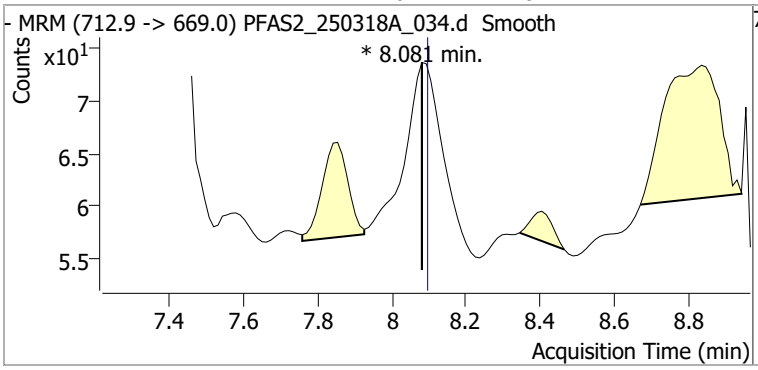
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8374	8.08	-0.01	30654				

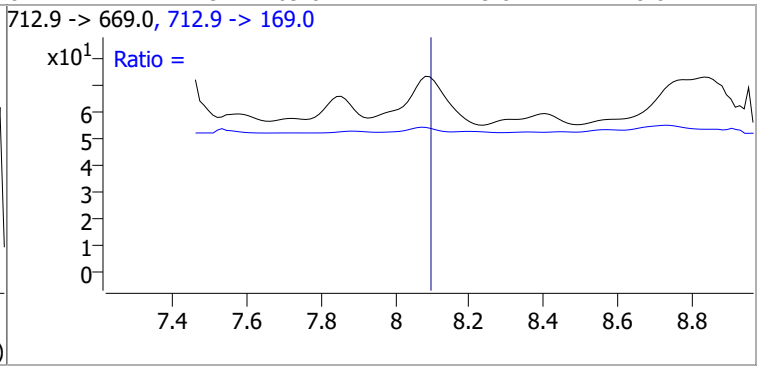




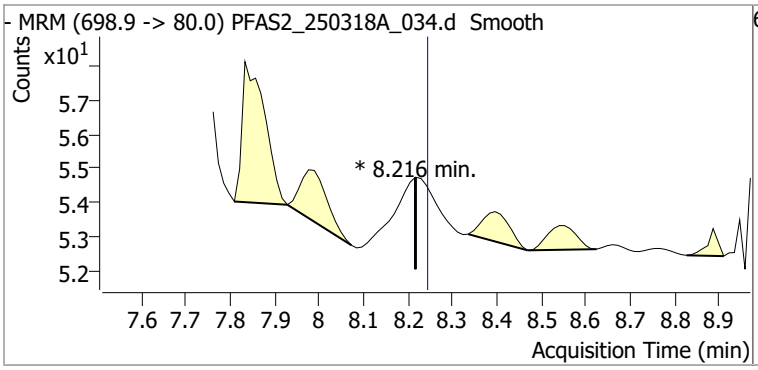


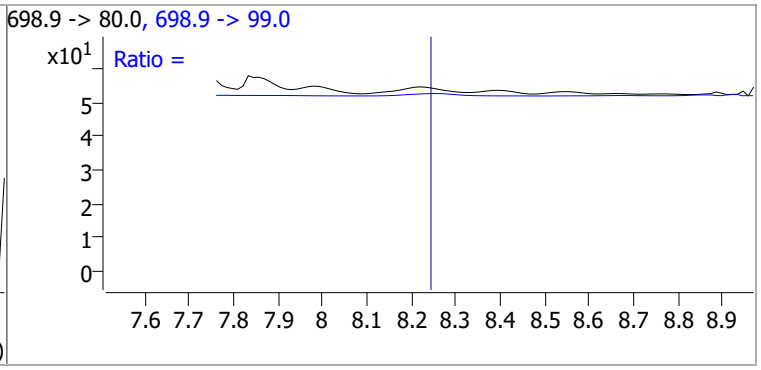
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



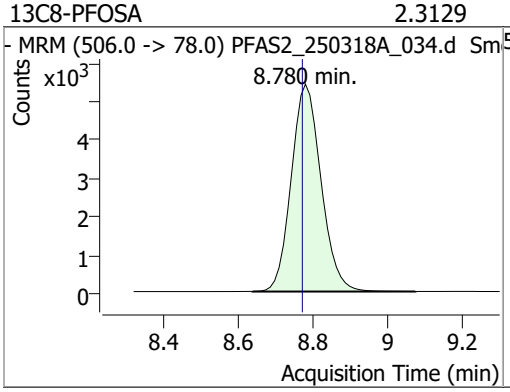


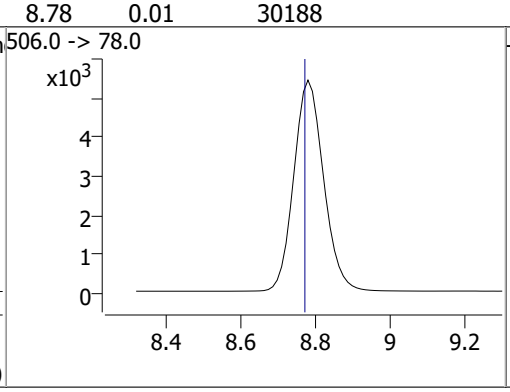
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

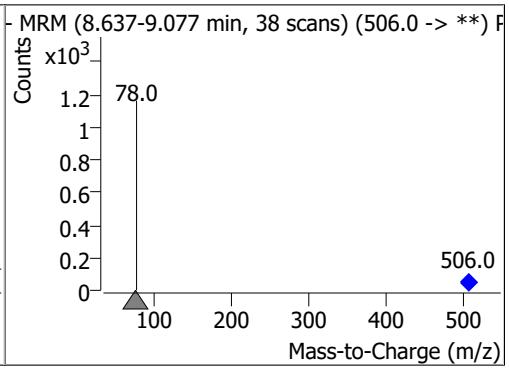




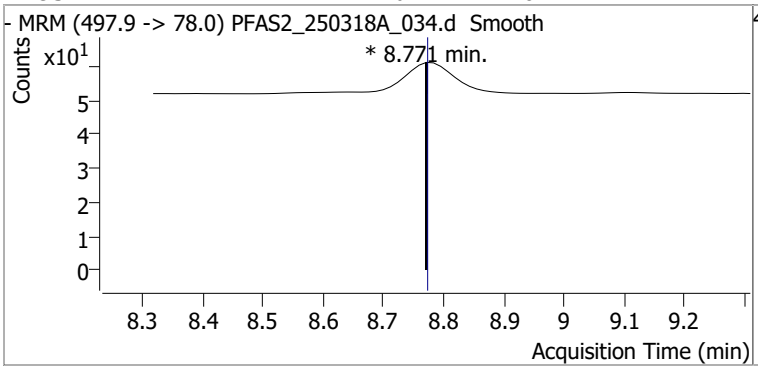
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3129	8.78	0.01	30188				

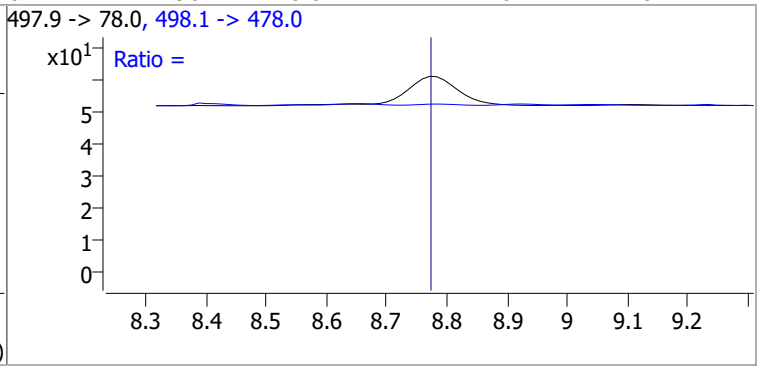




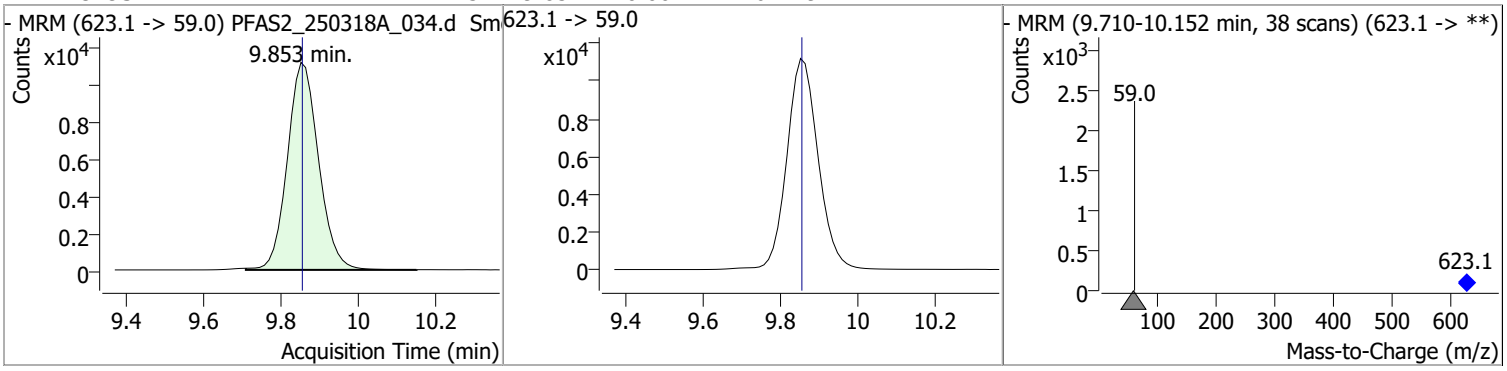


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

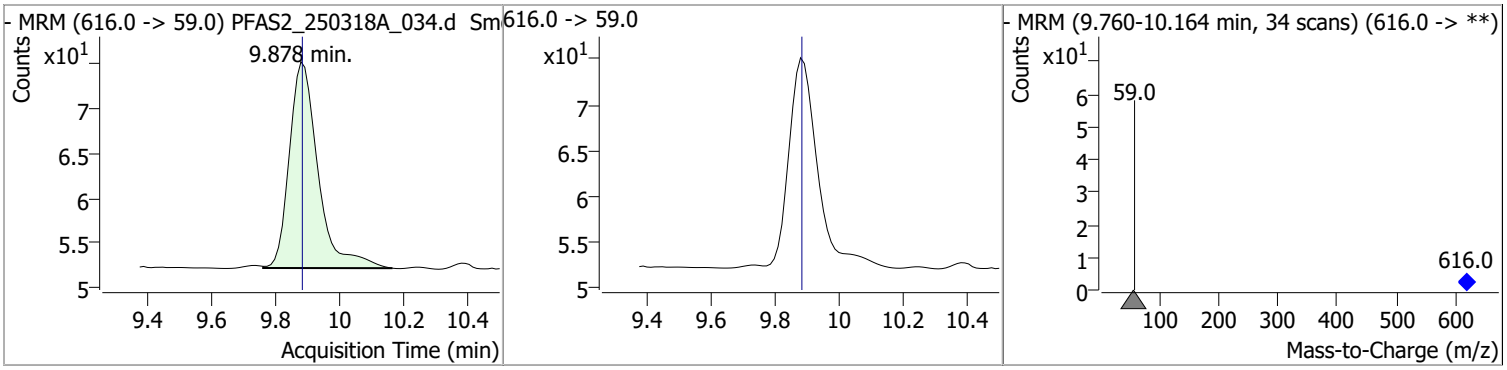




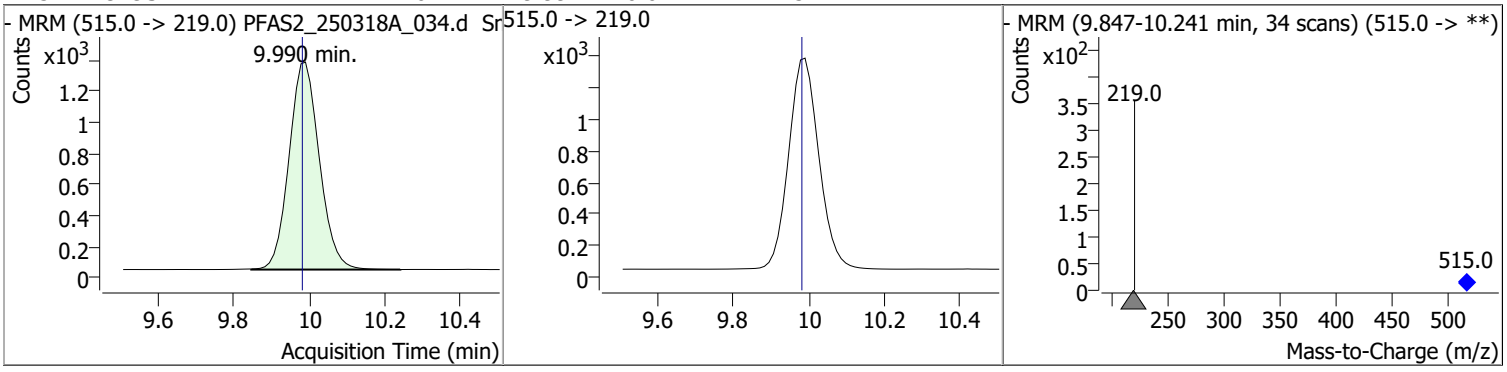
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.1143	9.85	0.00	62449				



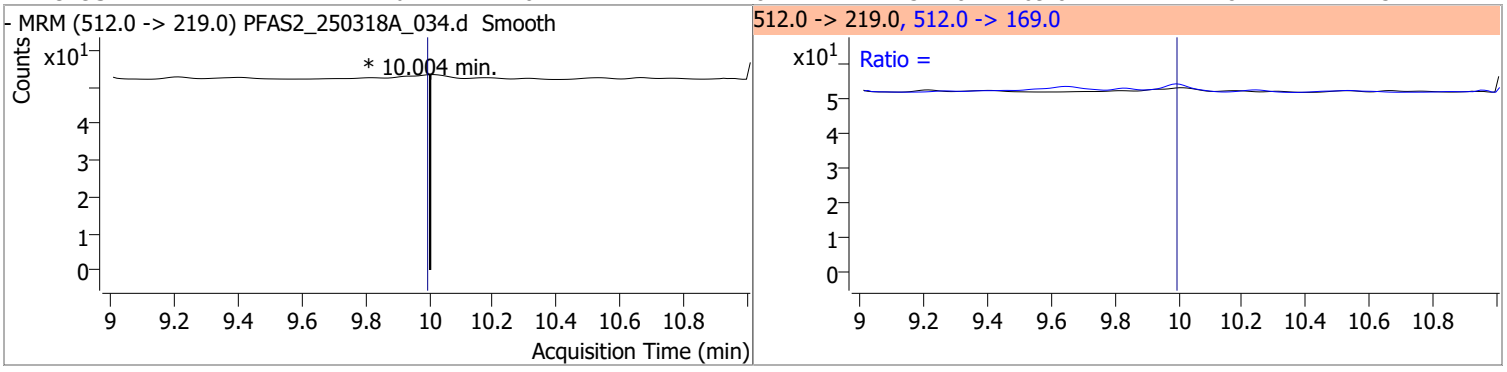
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0295	9.88	0.00	143				



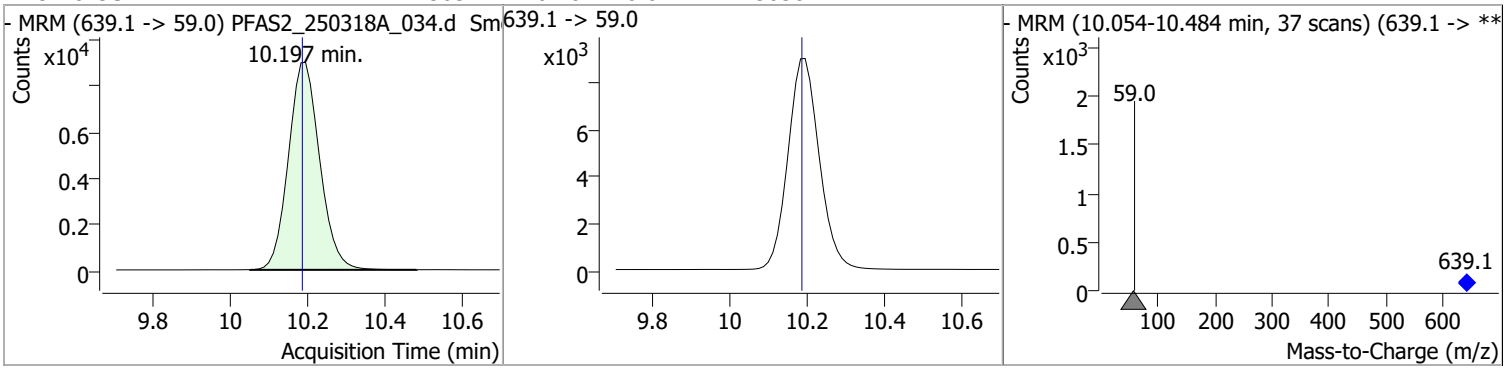
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0272	9.99	0.01	7425				



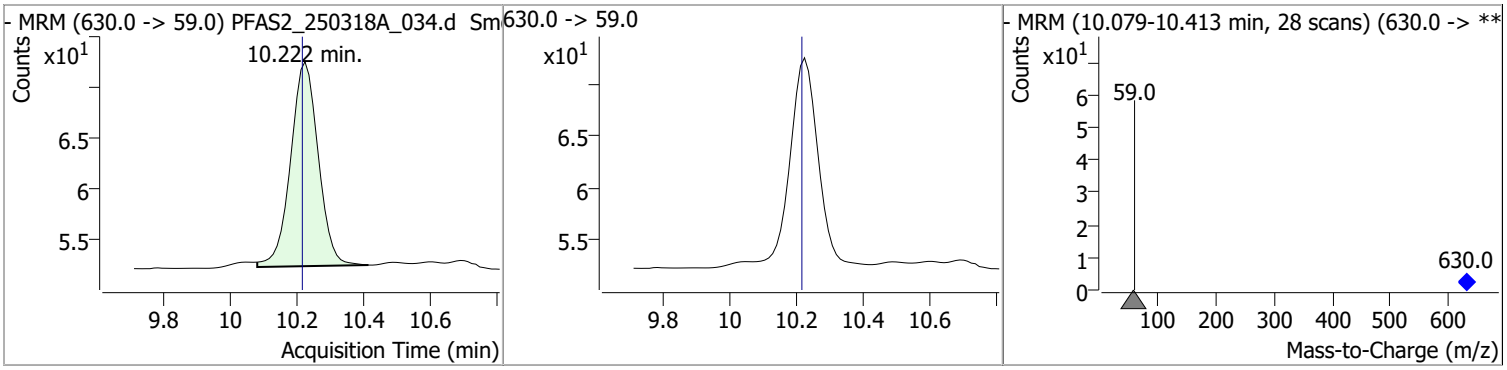
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



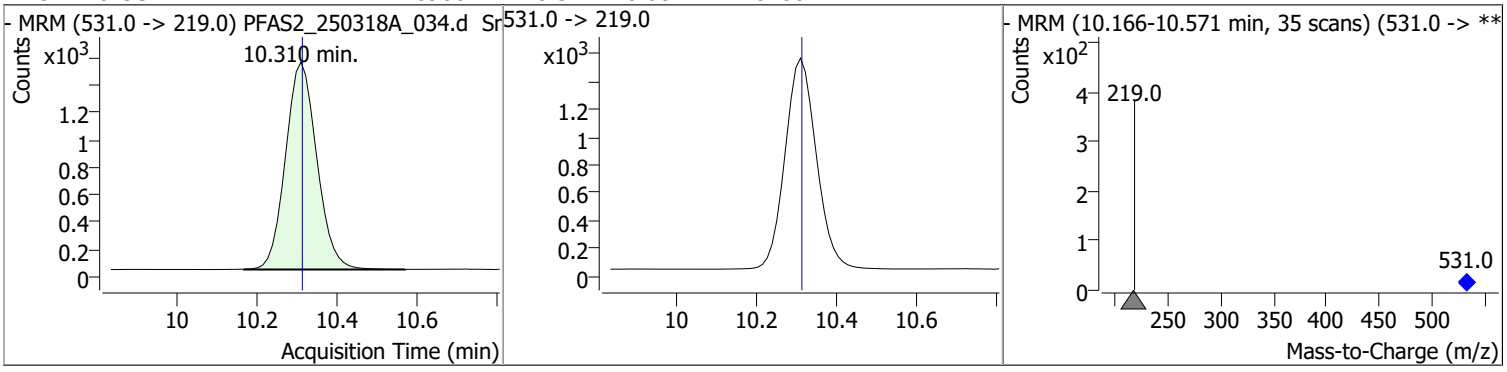
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.5032	10.20	0.01	50384				



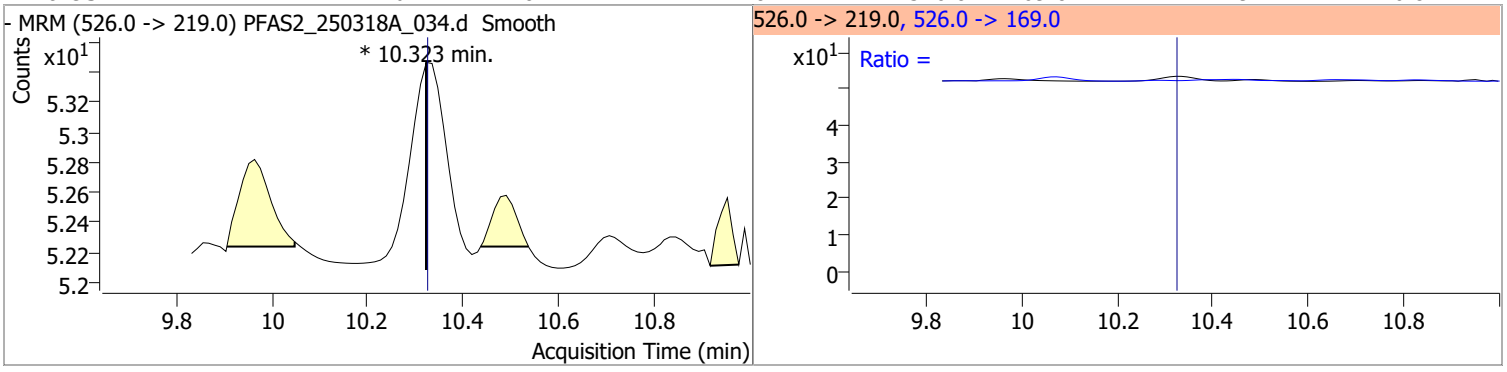
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0737	10.22	0.01	116				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0906	10.31	0.00	8280				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_034.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 12:47:30 AM
Sample Name	O25C0550-10	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

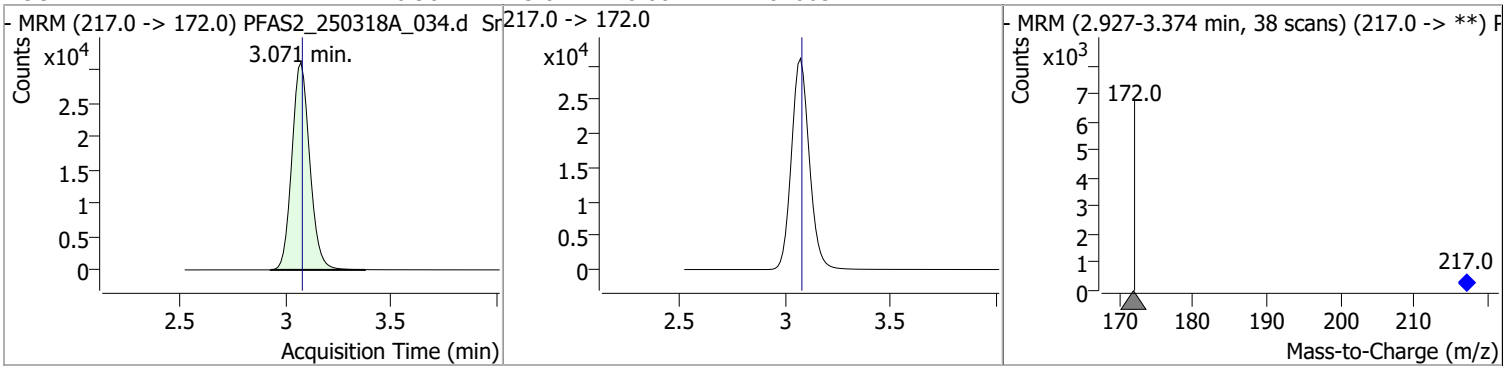
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	116475	5.0000	µg/L		-14.884
13C2-PFHxA	4.890	315.0 -> 270.0	133719	2.5000	µg/L		-12.844
18O2-PFHxS	5.955	403.0 -> 84.0	25160	2.5000	µg/L		-15.088
13C4-PFOA	5.823	417.0 -> 172.0	13806	2.5000	µg/L		-10.627
13C5-PFNA	6.214	468.0 -> 423.0	66058	1.2500	µg/L		-7.186
13C2-PFDA	6.603	515.0 -> 470.0	63185	1.2500	µg/L		-5.520
13C4-PFOS	6.759	503.0 -> 80.0	21946	2.5000	µg/L		-11.895
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	182665	10.0000	µg/L		-41.233
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 69.01%			
13C5-PFPeA	4.222	268.0 -> 223.0	175508	5.0000	µg/L		-15.180
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.32%			
13C5-PFPeA	4.222	268.0 -> 223.0	175508	5.0000	µg/L		-15.180
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.32%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27627	5.0000	µg/L	#	9.351
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 129.30%			
13C5-PFHxA	4.889	318.0 -> 273.0	138087	2.5000	µg/L		-18.216
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	138087	2.5000	µg/L		-18.216
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.82%			
13C3-PFBS	4.929	302.0 -> 80.0	49081	2.5000	µg/L		-19.173
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.29%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	156245	10.0000	µg/L		-10.600
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.57%			
13C4-PFHpA	5.397	367.0 -> 322.0	166279	2.5000	µg/L		-11.969
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.04%			
13C3-PFHxS	5.956	402.0 -> 80.0	27701	2.5000	µg/L		-20.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.37%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15291	5.0000	µg/L	#	3.538
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.07%			
13C8-PFOA	5.823	421.0 -> 376.0	152371	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.72%			
13C3-PFHxS	5.956	402.0 -> 80.0	27701	2.5000	µg/L		-20.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.37%			
13C9-PFNA	6.213	472.0 -> 427.0	62036	1.2500	µg/L		-11.961
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.81%			
13C8-PFOS	6.759	507.0 -> 80.0	21178	2.5000	µg/L		-16.236
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.11%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10490	5.0000	µg/L	#	-11.442
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.16%			
13C6-PFDA	6.603	519.0 -> 474.0	61641	1.2500	µg/L		-9.298
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.91%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	48130	5.0000	µg/L		-13.775
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.75%			
13C8-PFOS	6.759	507.0 -> 80.0	21178	2.5000	µg/L		-16.236

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.11%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	35118	5.0000	µg/L		-16.722
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.48%			
13C7-PFUnDA	6.978	570.0 -> 525.0	48202	1.2500	µg/L		-10.076
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.16%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	32095	1.2500	µg/L		-27.246
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.88%			
13C2-PFDoDA	7.355	615.0 -> 570.0	33537	1.2500	µg/L		-16.042
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.87%			
13C2-PFTDA	8.080	715.0 -> 670.0	30654	1.2500	µg/L		-36.515
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.99%			
13C8-PFOSA	8.780	506.0 -> 78.0	30188	2.5000	µg/L		-18.324
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.52%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62449	25.0000	µg/L		-50.297
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 56.46%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7425	2.5000	µg/L		-28.389
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 81.09%			
2H9-EtFOSE	10.197	639.1 -> 59.0	50384	25.0000	µg/L		-20.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 90.01%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8280	2.5000	µg/L		-26.332
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.62%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	6389	0.4795	µg/L		100
PFMPA	3.614	229.0 -> 85.0	30	0.0568	µg/L		100
3-3 FTCA	3.778	241.0 -> 177.0	3	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	21881	0.6974	µg/L		100
PFMBA	4.503	279.0 -> 85.0	22	0.0346	µg/L		100
4-2 FTSA	4.686	327.0 -> 307.0	21	0.0013	µg/L	#	1
NFDHA	4.787	295.0 -> 201.0	6	0.0061	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	25614	0.5184	µg/L		99
PFBS	4.930	298.9 -> 80.0	19232	0.9444	µg/L		90
HFPO-DA	5.075	285.0 -> 169.0	52	0.0037	µg/L	#	77
PFEESA	5.117	314.9 -> 135.0	31	0.0520	µg/L		80
PFHpA	5.398	363.0 -> 319.0	14418	0.2453	µg/L		97
5-3 FTCA	5.553	341.0 -> 237.0	25	0.1832	µg/L		4
PFPeS	5.494	348.9 -> 80.0	570	0.0381	µg/L	#	50
DONA	5.515	377.0 -> 251.0	87	0.0684	µg/L	#	60
6-2 FTSA	5.654	427.0 -> 407.0	55	0.1151	µg/L	#	59
PFOA	5.824	413.0 -> 369.0	29033	0.5166	µg/L		99
PFHxS	5.957	398.9 -> 80.0	1600	0.1485	µg/L		96
PFNA	6.201	463.0 -> 419.0	230	0.0115	µg/L		62
PFHpS	6.370	448.9 -> 80.0	8	0.0009	µg/L	#	1
8-2 FTSA	6.412	527.0 -> 507.0	16	0.0756	µg/L		47
7-3 FTCA	6.609	441.0 -> 317.0	18	0.2506	µg/L		1
PFDA	0.000		0	N.D.			
N-MeFOSAA	6.766	570.0 -> 419.0	78	0.0172	µg/L		33
PFOS	6.760	498.9 -> 80.0	598	0.1012	µg/L	#	62
N-EtFOSAA	6.658	584.0 -> 419.0	29	0.0155	µg/L		24
PFUnDA	6.967	563.0 -> 519.0	79	0.0155	µg/L	#	71
9Cl-PF3ONS	7.053	530.9 -> 350.9	53	0.0660	µg/L		44
PFNS	7.052	548.9 -> 80.0	70	0.0097	µg/L	#	42
PFDoDA	7.356	613.0 -> 569.0	110	0.0045	µg/L		65
PFDS	7.513	598.9 -> 80.0	54	0.0100	µg/L	#	50
PFTrDA	7.713	663.0 -> 619.0	106	0.0044	µg/L		95

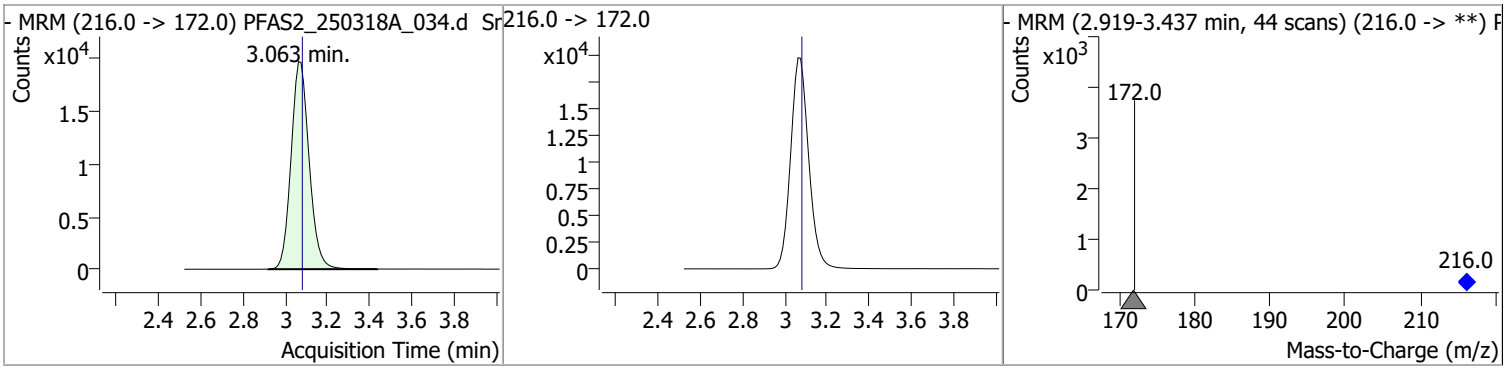
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	126	0.0061	µg/L		83
PFTDA	8.081	712.9 -> 669.0	99	0.0110	µg/L	#	89
PFDoS	8.216	698.9 -> 80.0	12	0.0032	µg/L	#	66
PFOSA	8.771	497.9 -> 78.0	53	0.0051	µg/L		99
MeFOSE	9.878	616.0 -> 59.0	143	0.0295	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	9	0.0033	µg/L	#	67
EtFOSE	10.222	630.0 -> 59.0	116	0.0737	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	6	0.0018	µg/L		1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

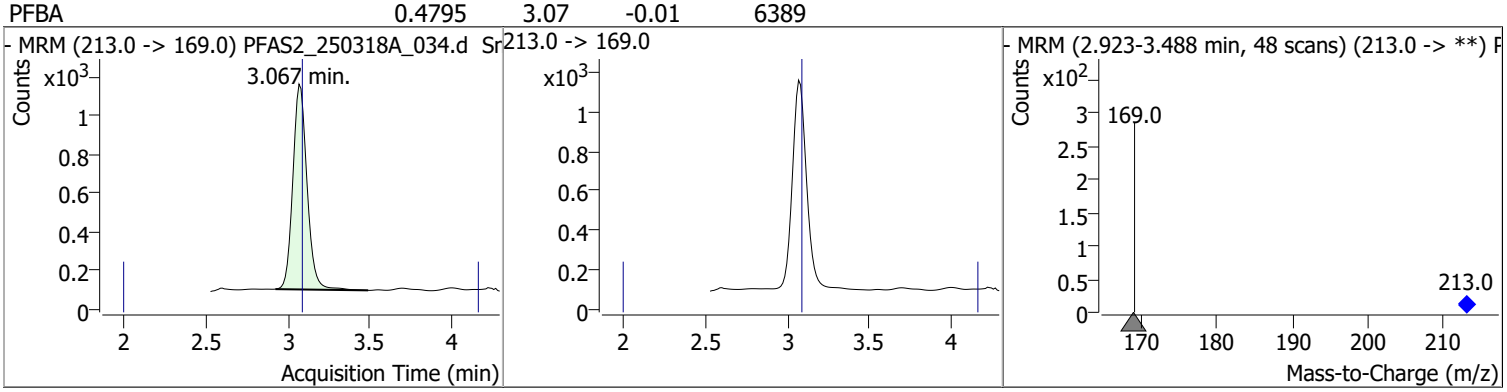
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.9012	3.07	0.00	182665				



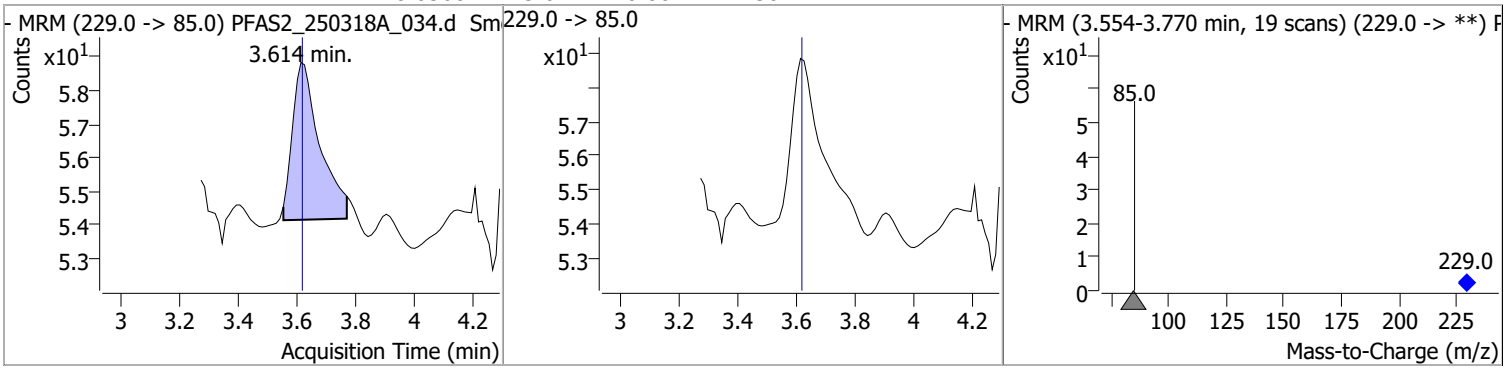
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	116475				



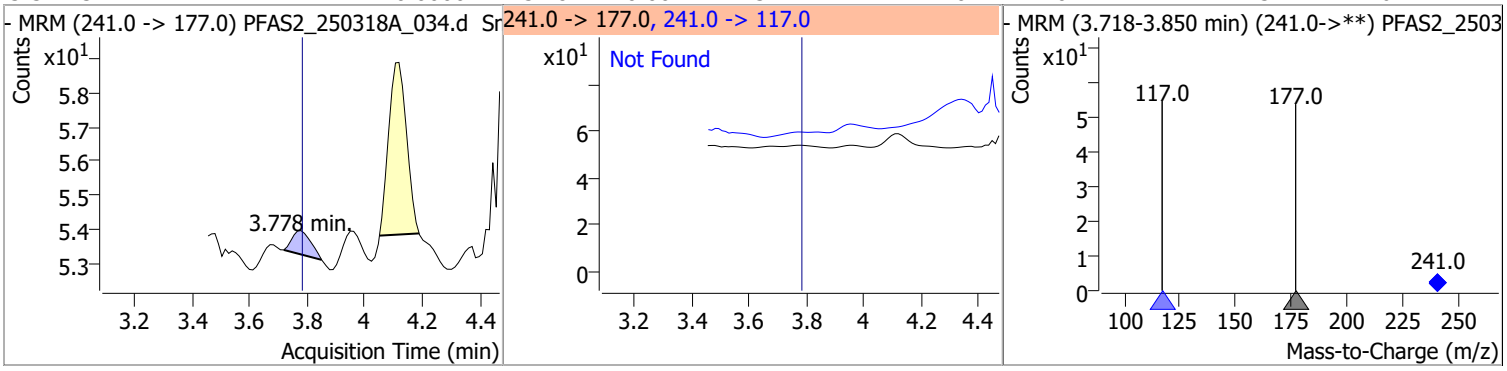
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4795	3.07	-0.01	6389				



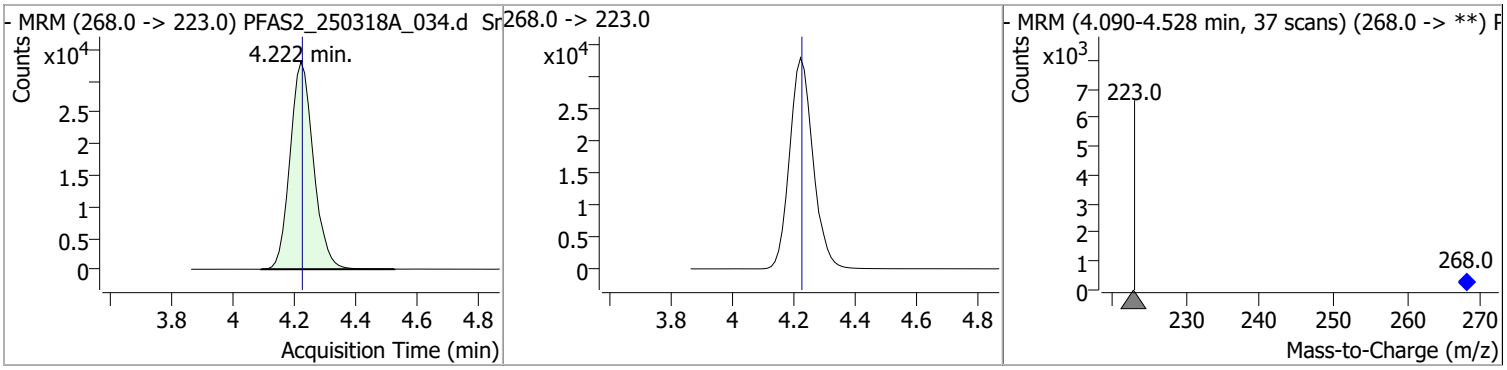
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0568	3.61	0.00	30				



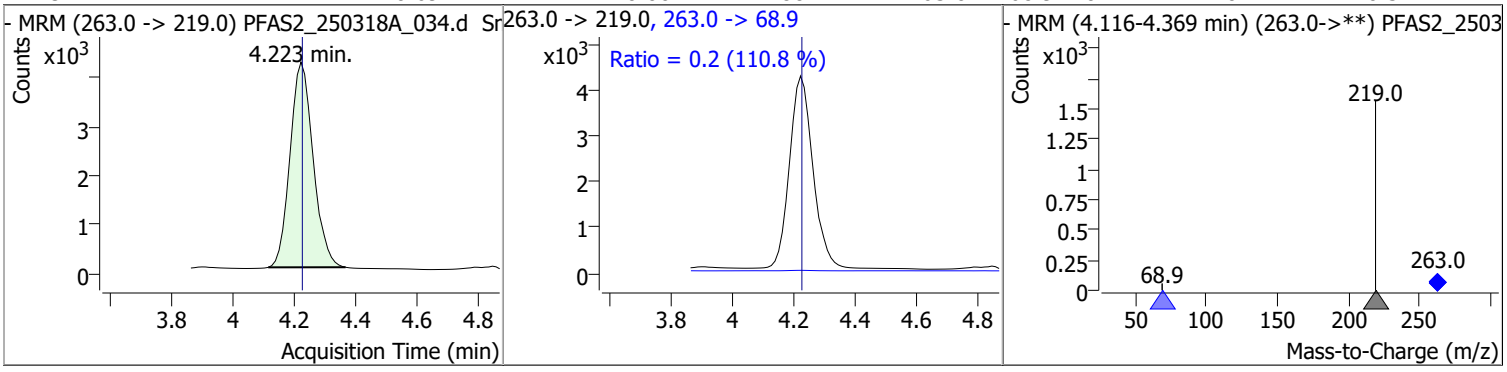
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.78	0.00	3	241.0 -> 117.0		41.3	76.7



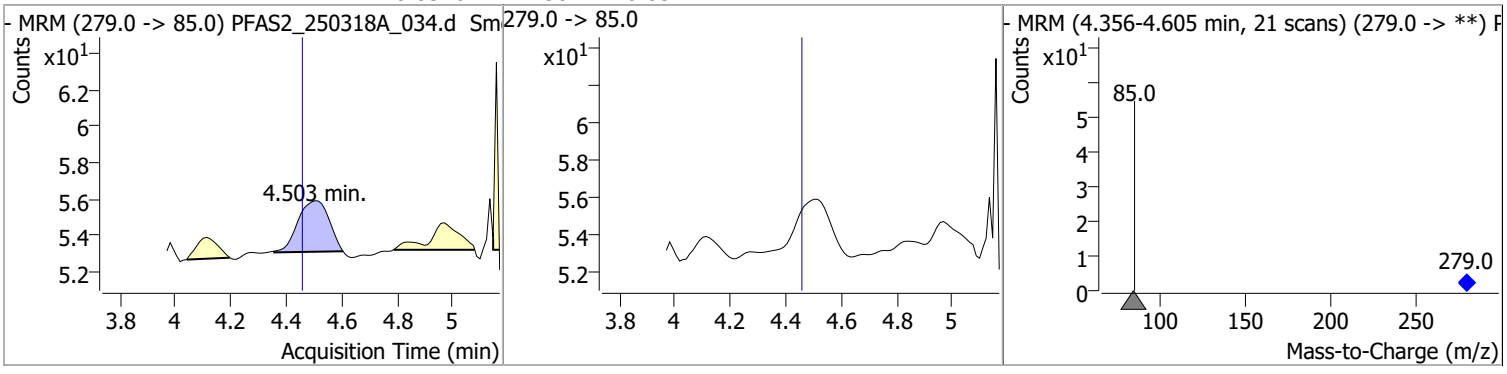
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8662	4.22	0.00	175508				



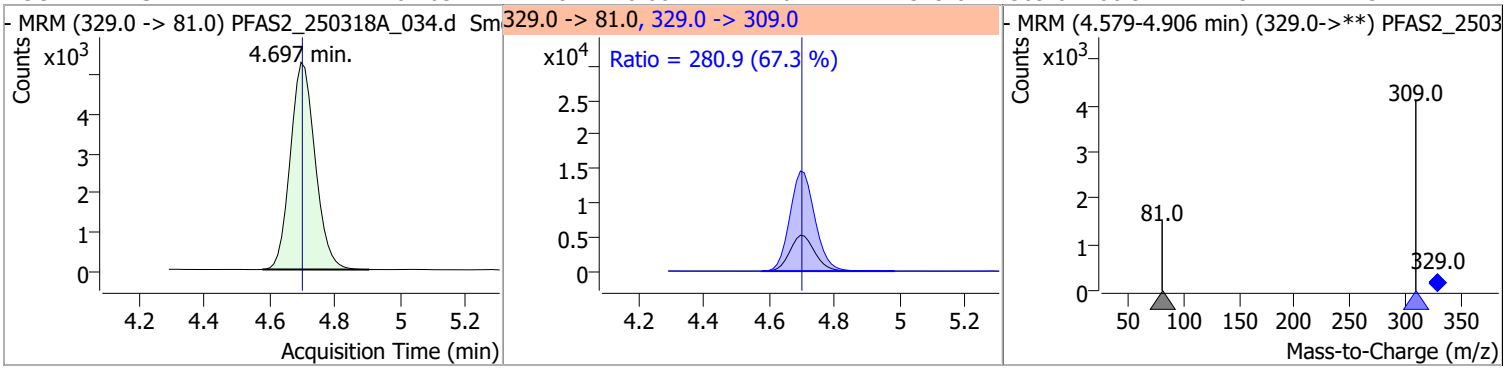
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.6974	4.22	0.00	21881	263.0 -> 68.9	0.2	0.1	0.3



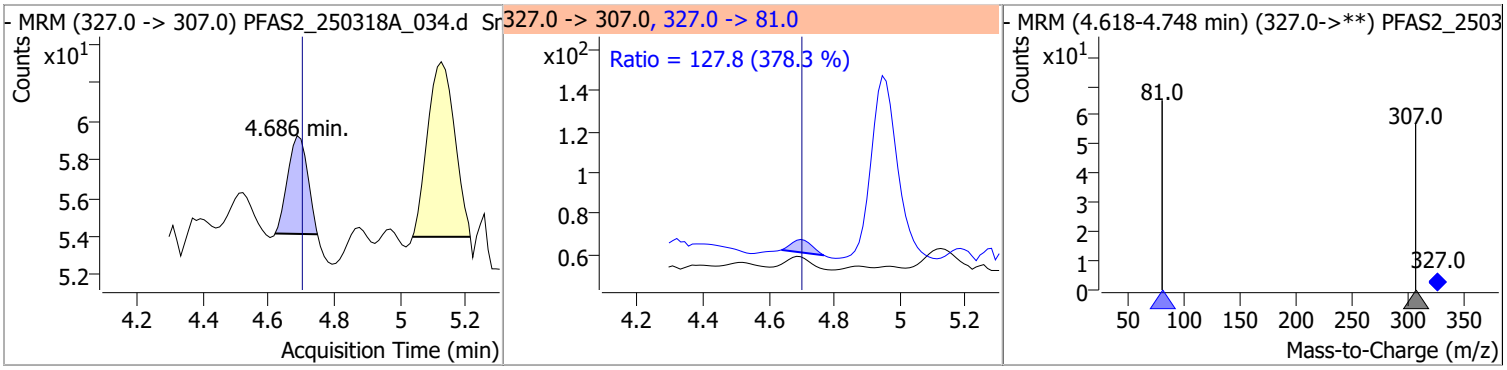
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0346	4.50	0.05	22				



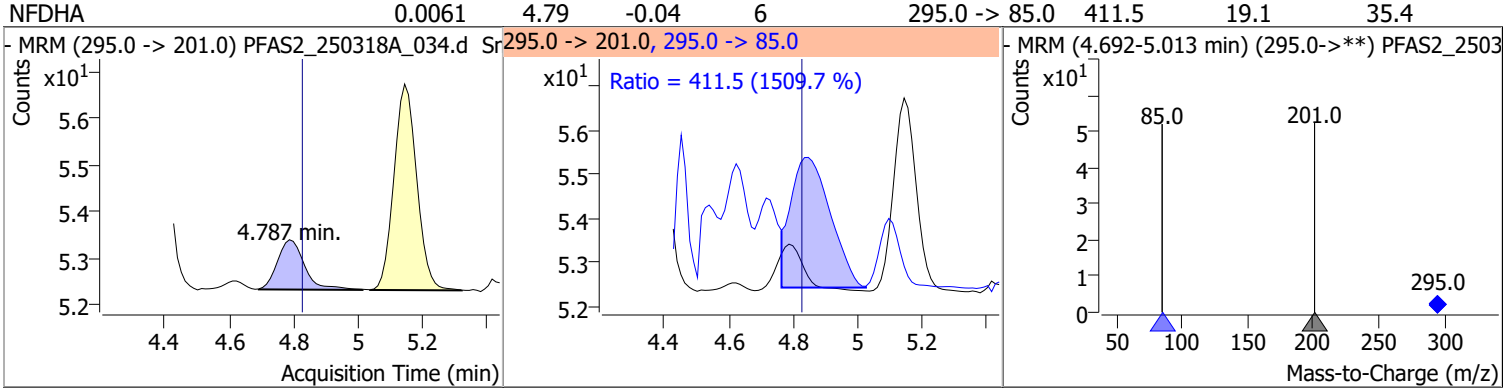
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.4652	4.70	0.00	27627	329.0 -> 309.0	280.9	292.1	542.4



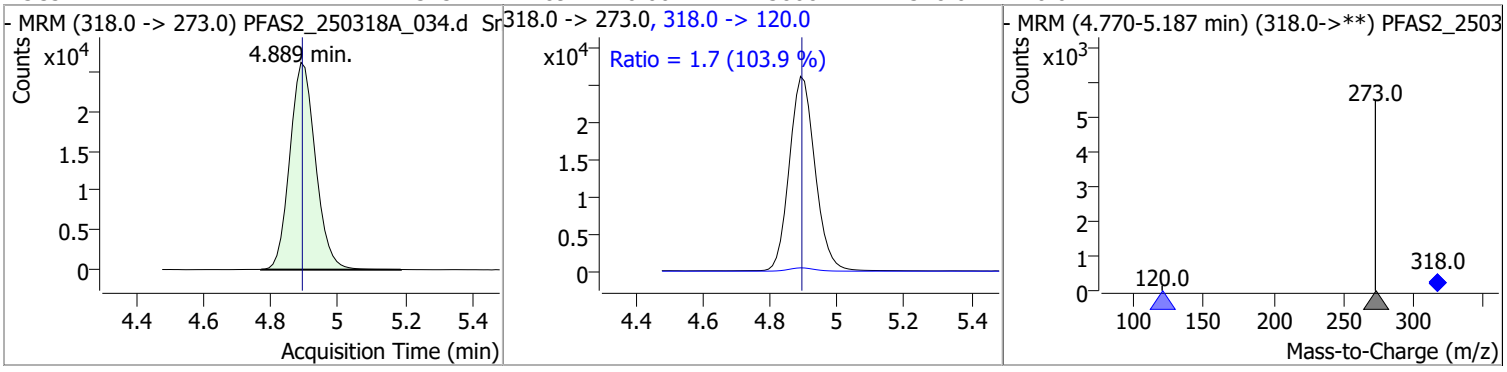
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0013	4.69	-0.01	21	327.0 -> 81.0	127.8	23.6	43.9



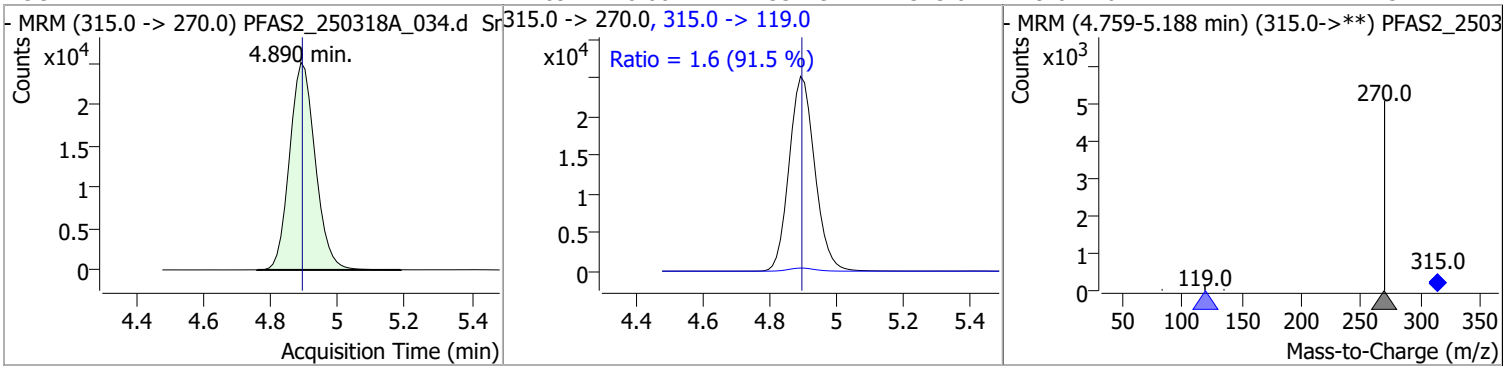
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0061	4.79	-0.04	6	295.0 -> 85.0	411.5	19.1	35.4



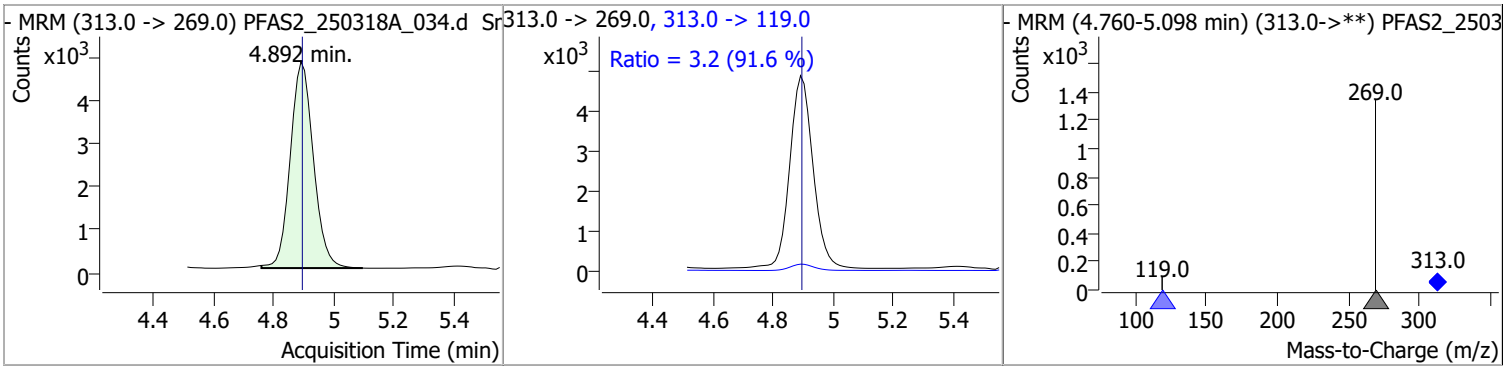
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3454	4.89	0.00	138087	318.0 -> 120.0	1.7	1.1	2.1



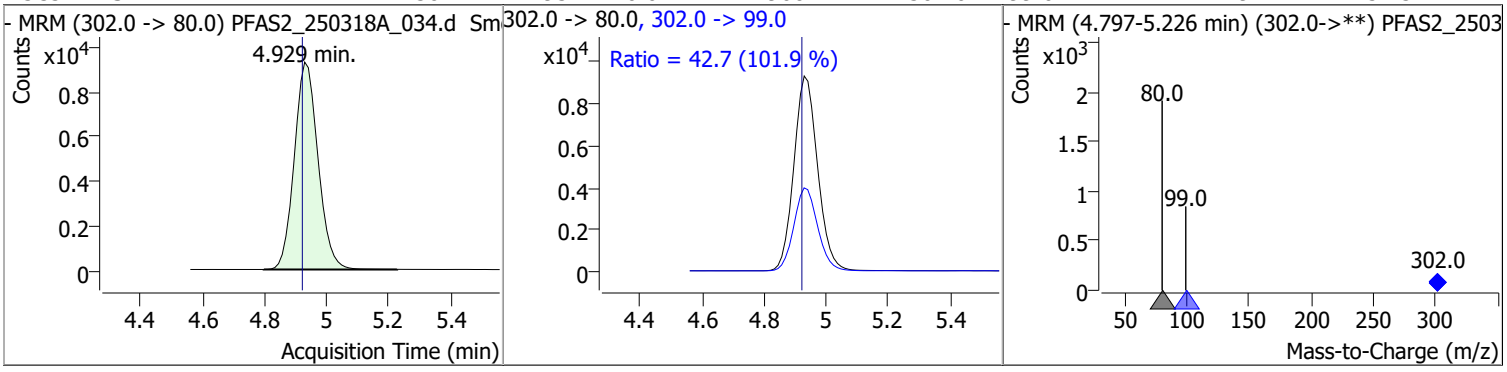
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	133719	315.0 -> 119.0	1.6	1.2	2.3



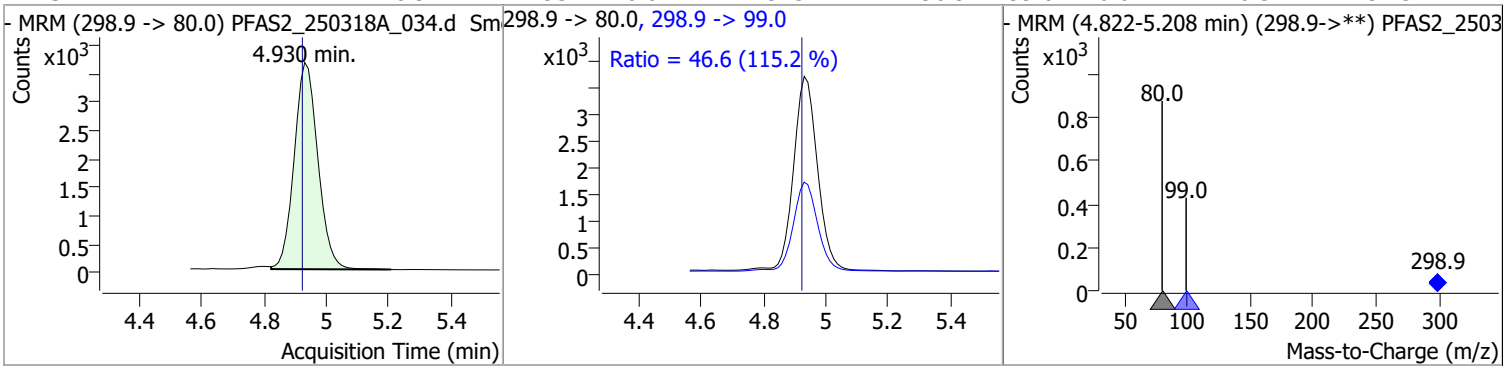
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5184	4.89	0.00	25614	313.0 -> 119.0	3.2	2.4	4.5



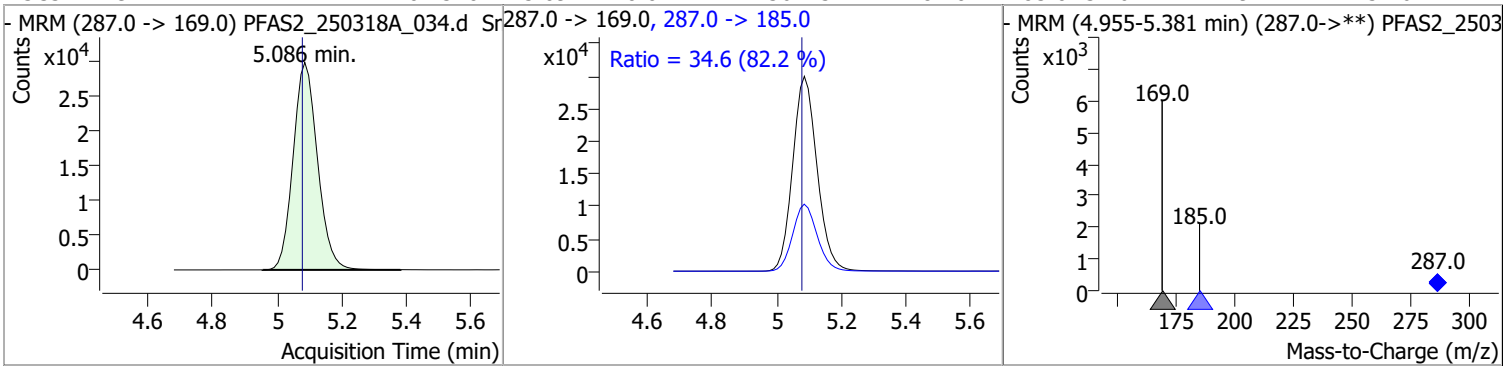
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3822	4.93	0.01	49081	302.0 -> 99.0	42.7	29.4	54.5



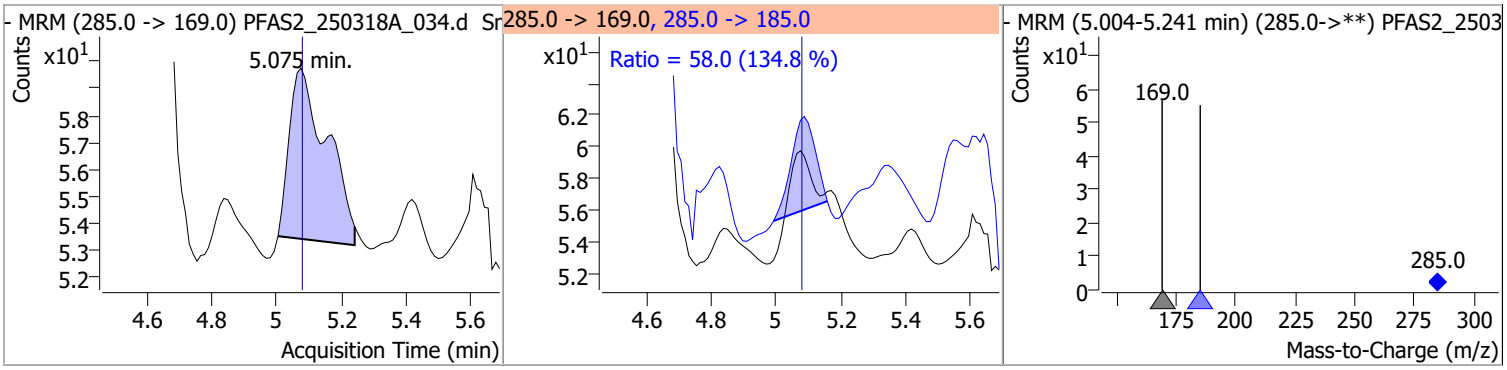
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.9444	4.93	0.01	19232	298.9 -> 99.0	46.6	28.3	52.5



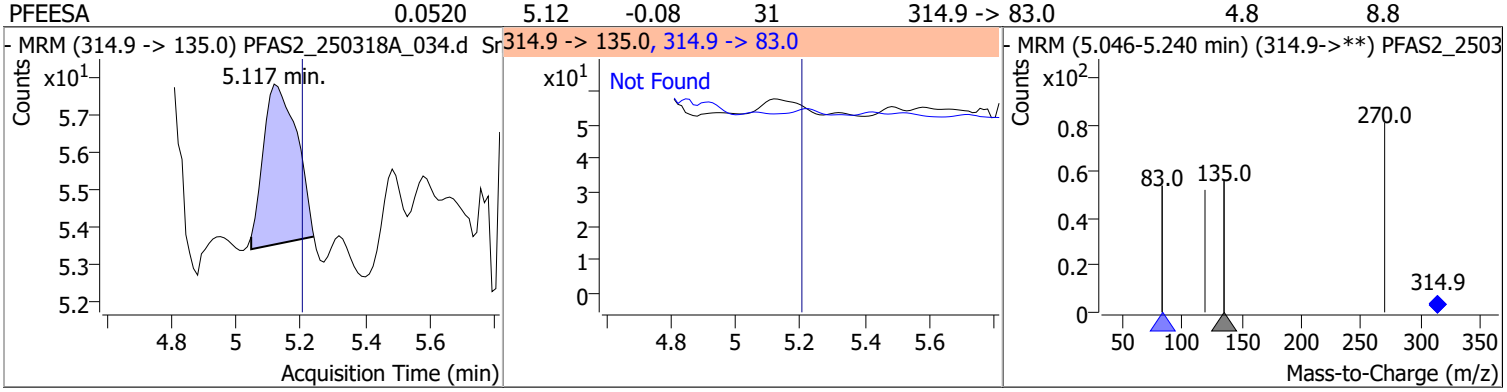
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2570	5.09	0.01	156245	287.0 -> 185.0	34.6	29.4	54.6



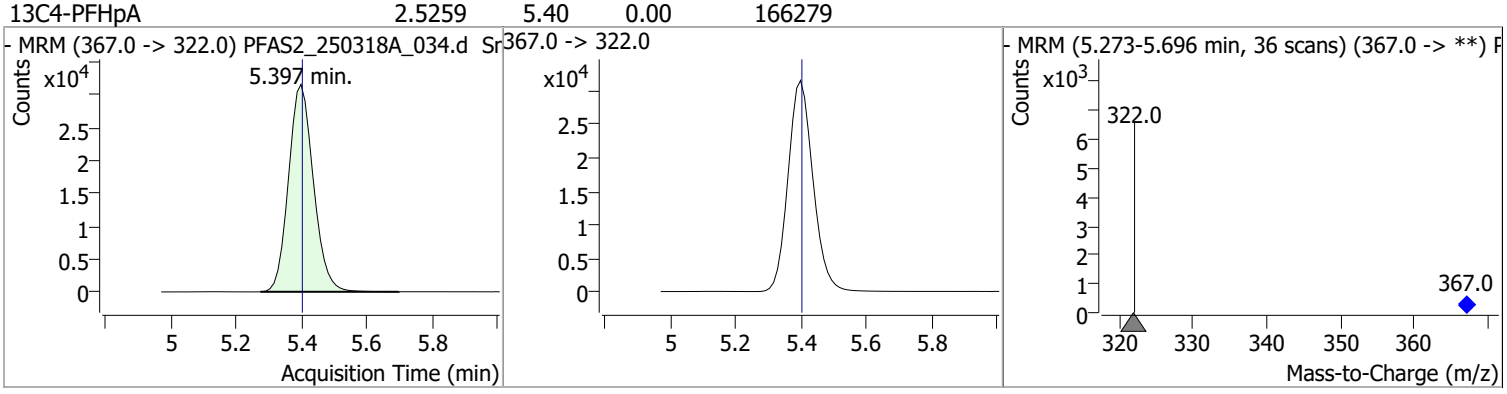
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0037	5.07	0.00	52	285.0 -> 185.0	58.0	30.1	56.0



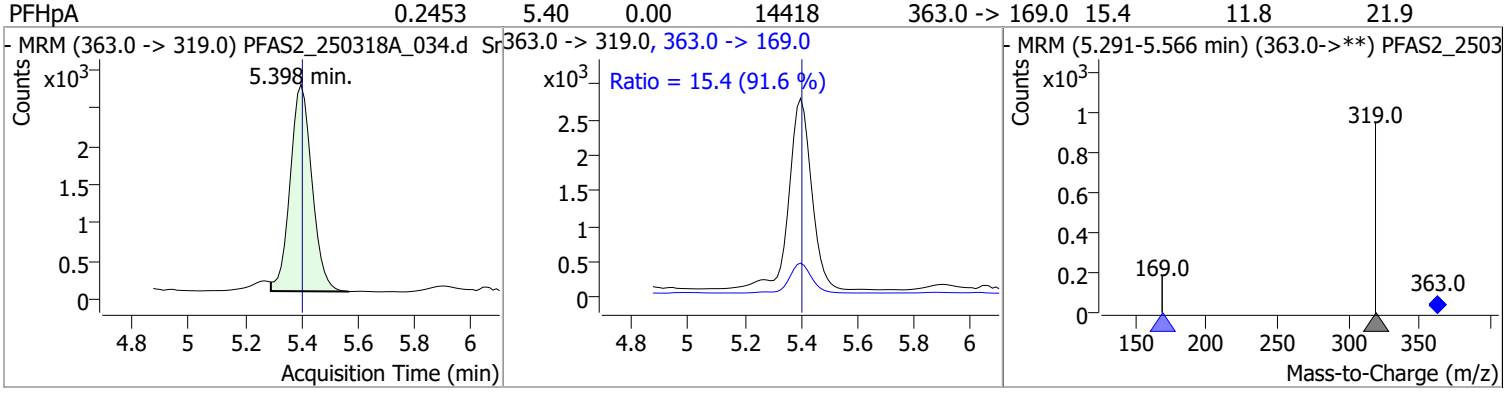
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0520	5.12	-0.08	31	314.9 -> 83.0		4.8	8.8



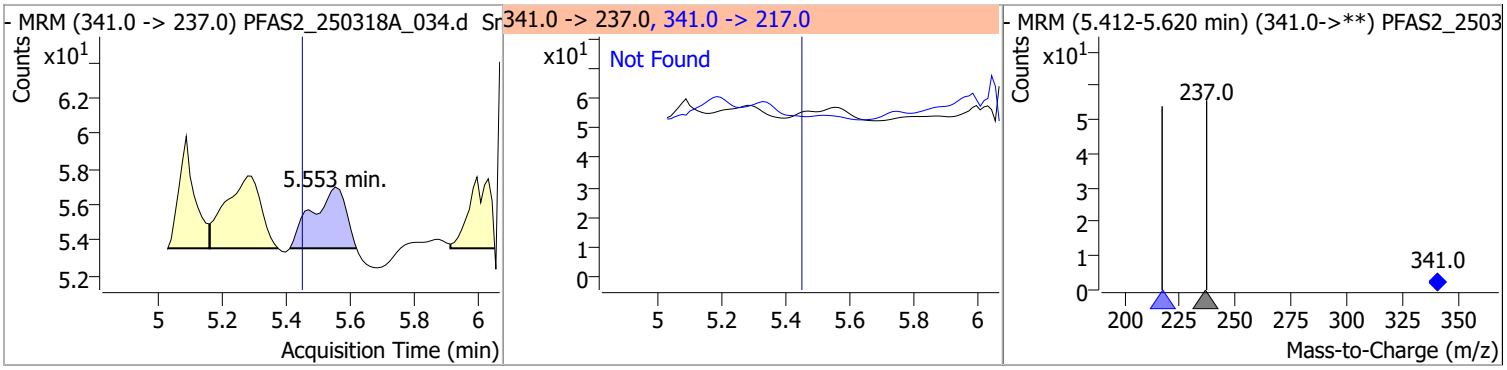
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5259	5.40	0.00	166279				



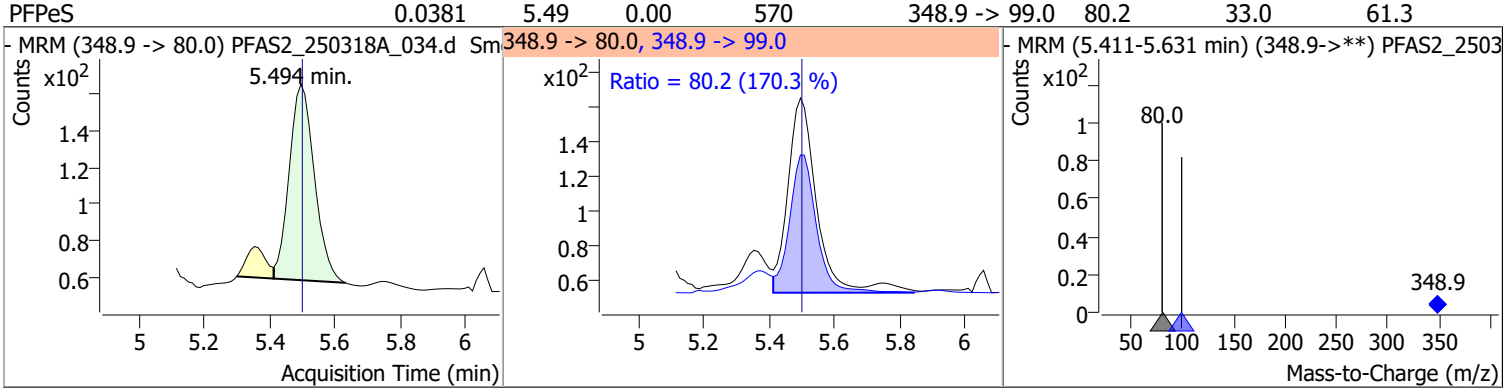
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2453	5.40	0.00	14418	363.0 -> 169.0	15.4	11.8	21.9



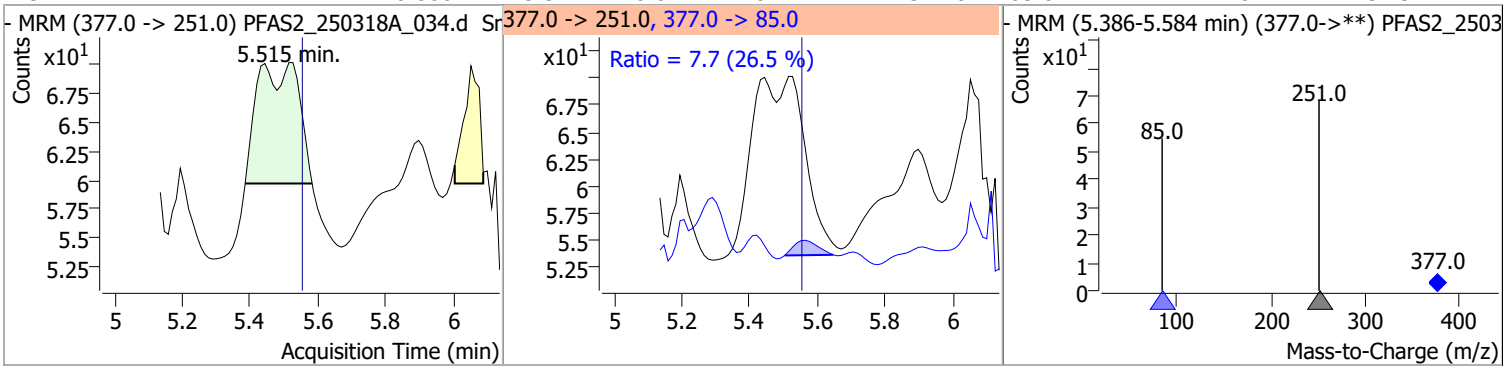
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1832	5.55	0.11	25	341.0 -> 217.0		63.6	118.1



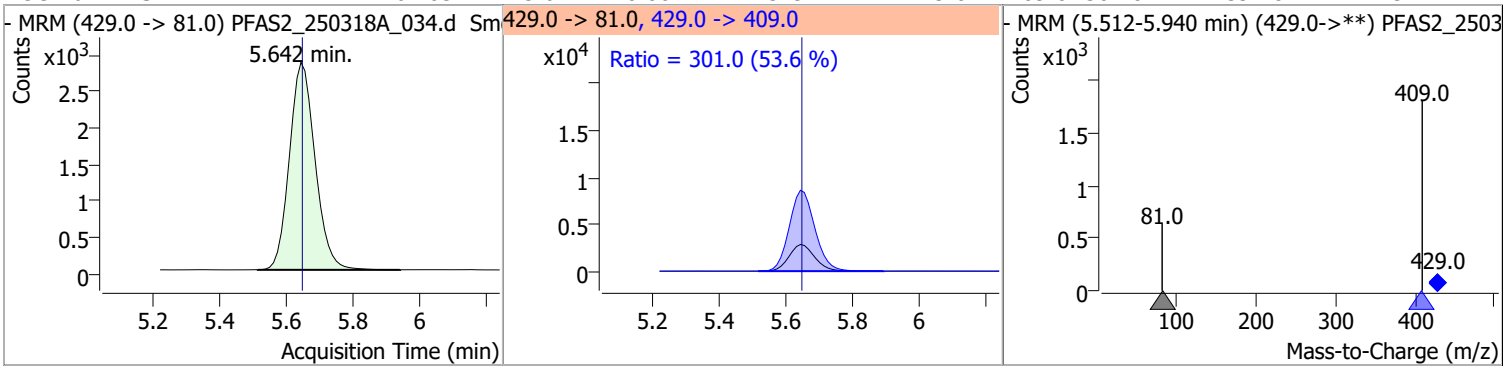
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0381	5.49	0.00	570	348.9 -> 99.0	80.2	33.0	61.3



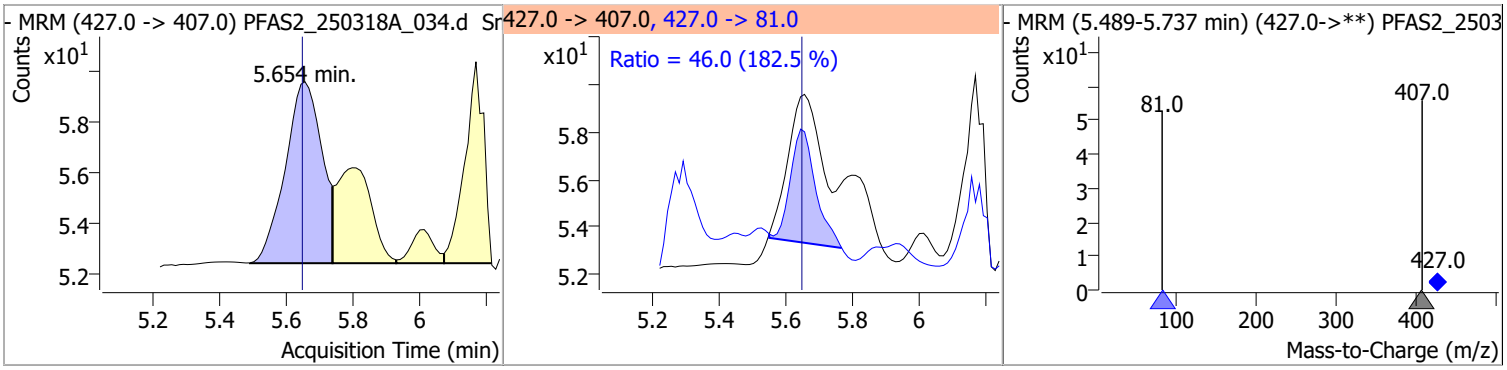
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0684	5.52	-0.04	87	377.0 -> 85.0	7.7	20.4	37.9



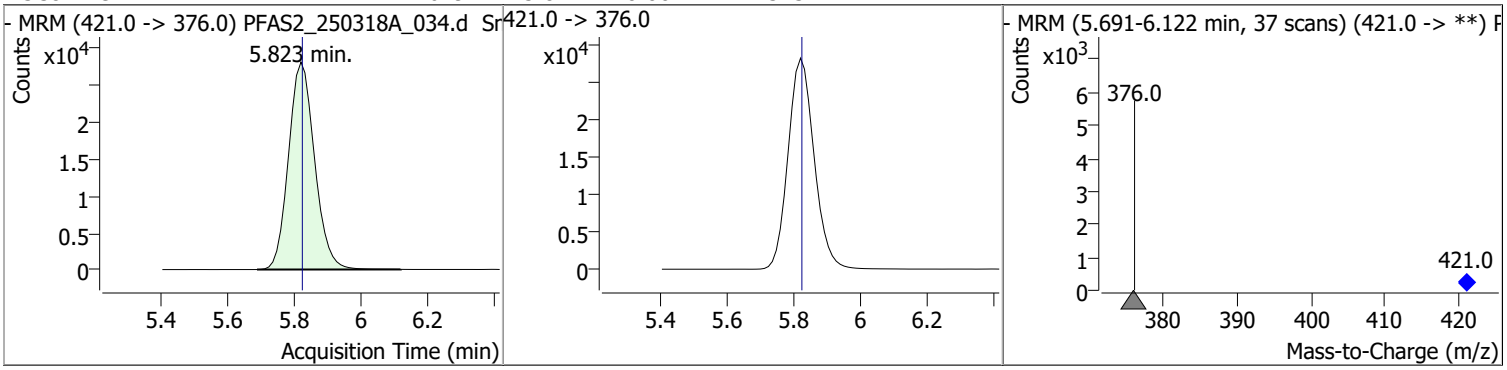
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.1034	5.64	0.00	15291	429.0 -> 409.0	301.0	392.8	729.4



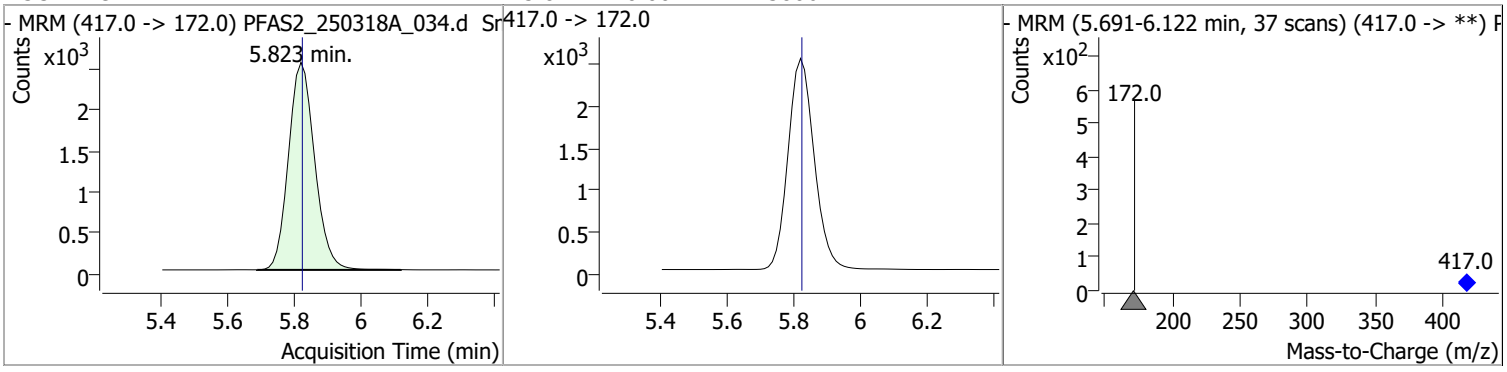
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1151	5.65	0.01	55	427.0 -> 81.0	46.0	17.7	32.8



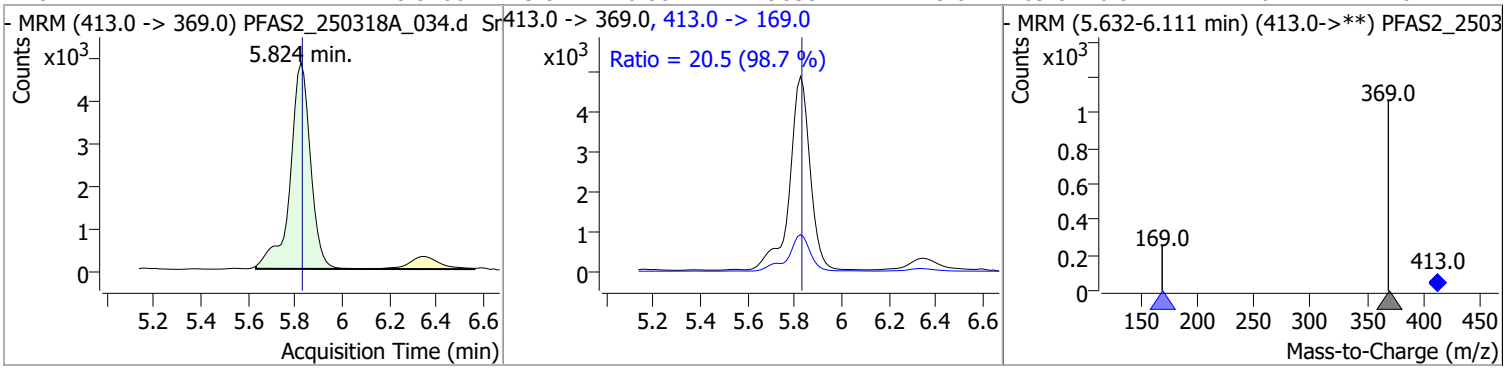
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4679	5.82	0.00	152371				



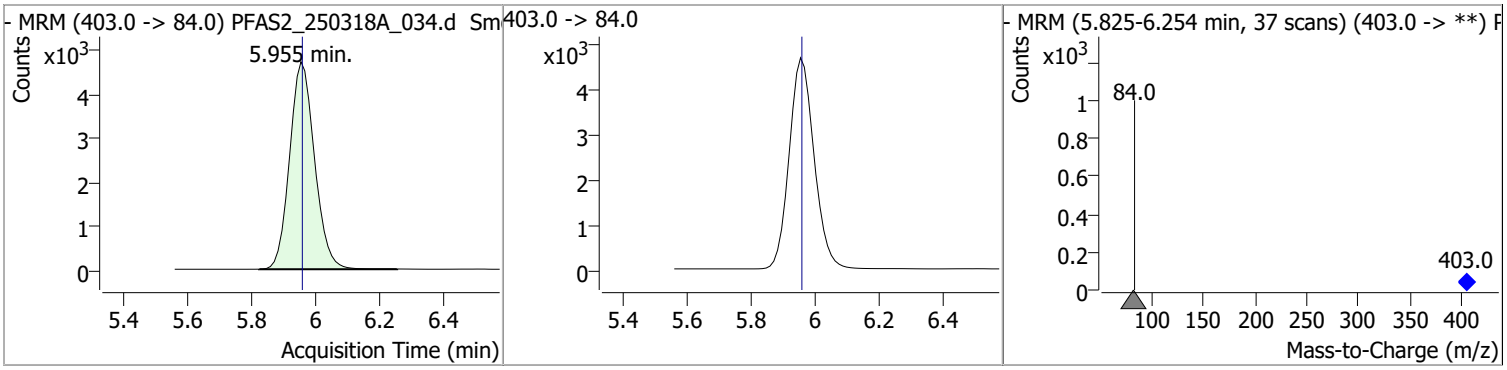
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13806				



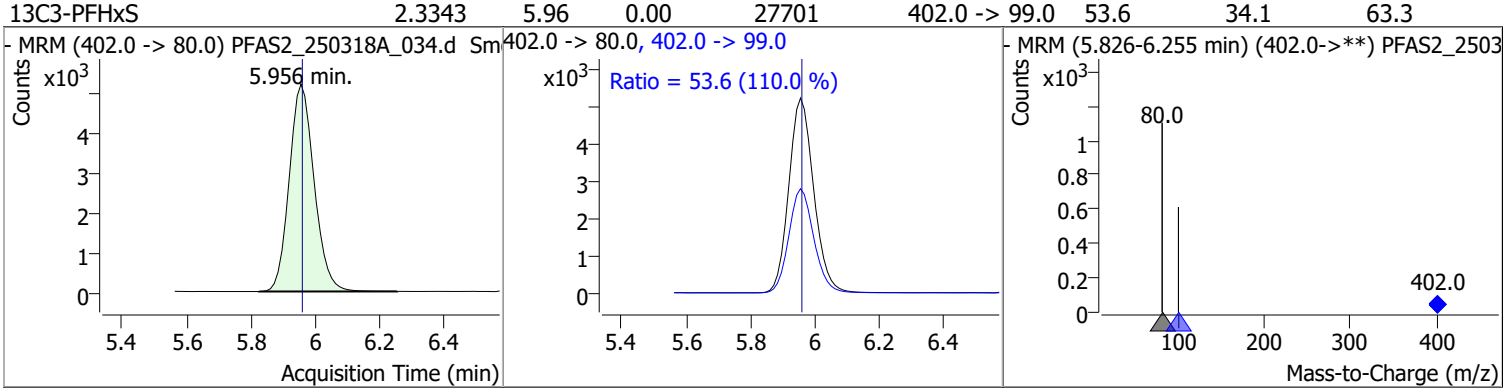
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5166	5.82	0.00	29033	413.0 -> 169.0	20.5	14.6	27.0



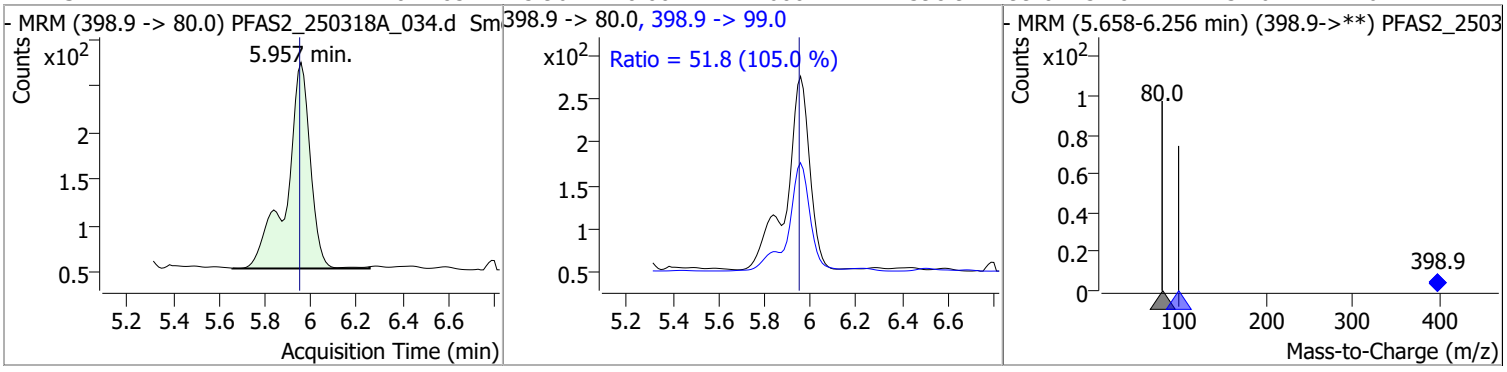
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25160				



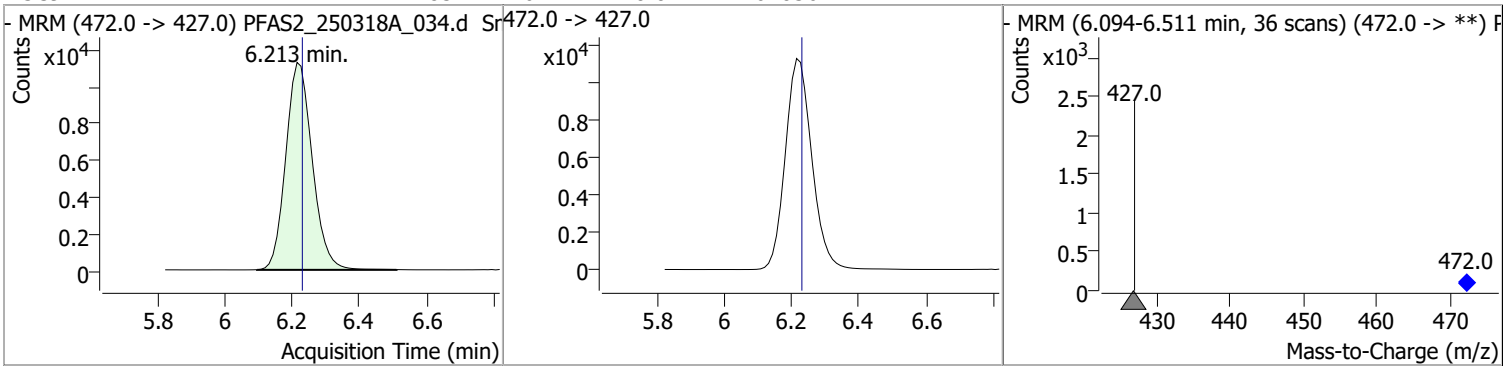
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3343	5.96	0.00	27701	402.0 -> 99.0	53.6	34.1	63.3



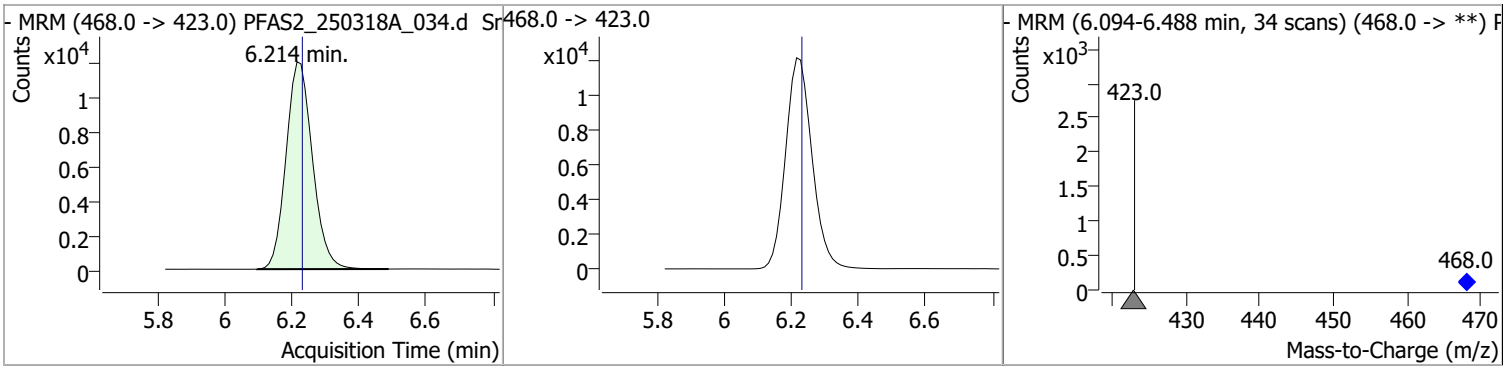
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1485	5.96	0.00	1600	398.9 -> 99.0	51.8	34.6	64.2



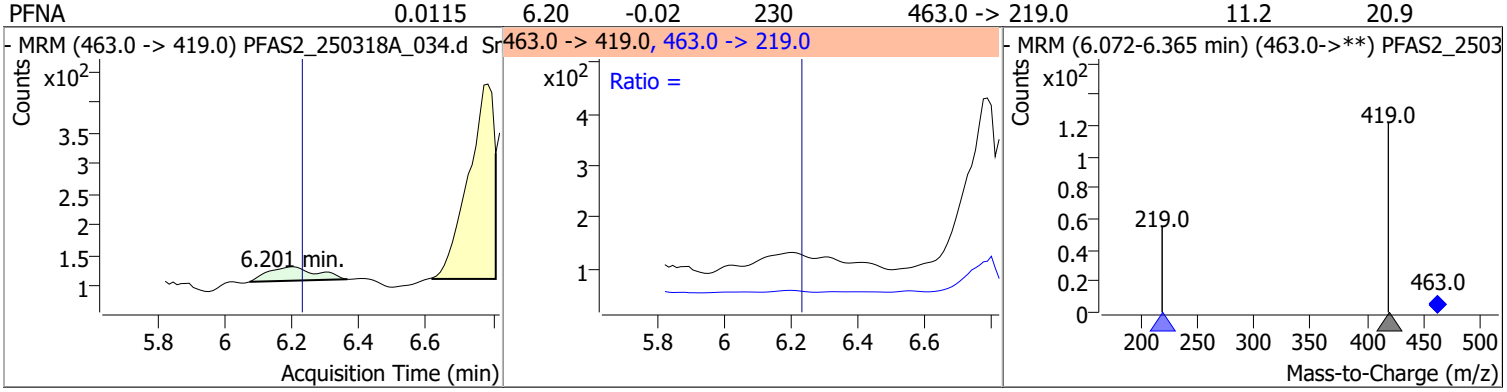
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1852	6.21	-0.01	62036				



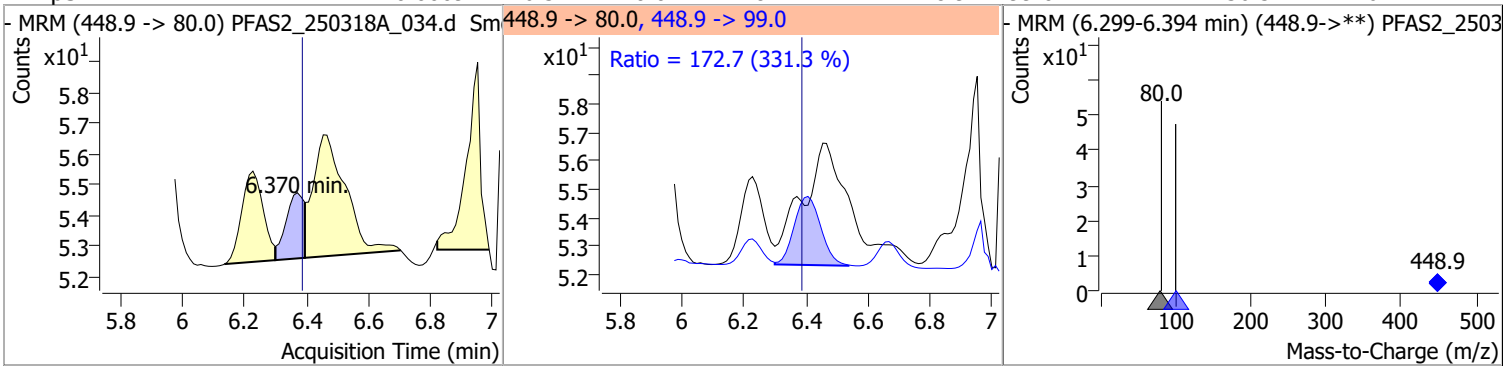
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	66058				



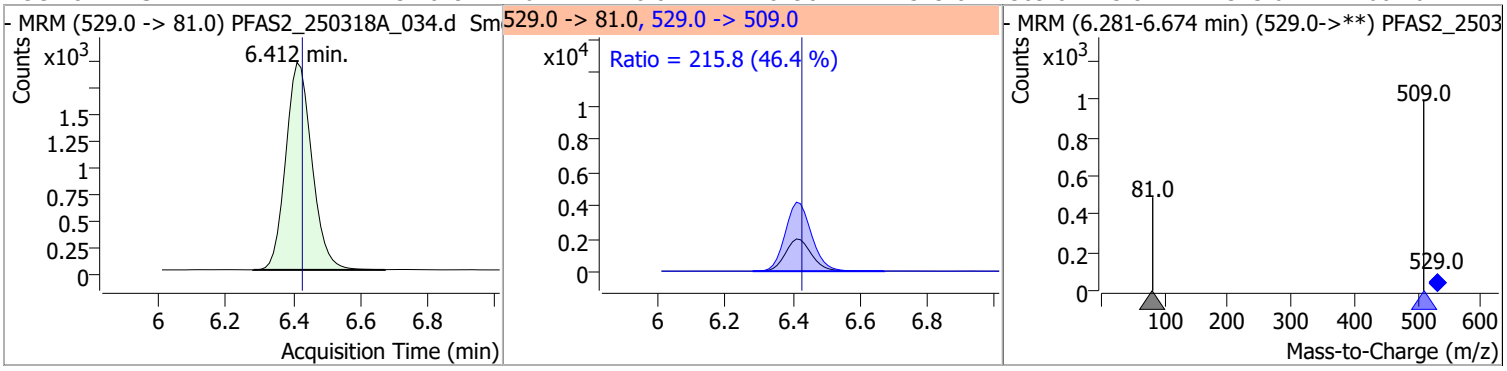
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0115	6.20	-0.02	230	463.0 -> 219.0		11.2	20.9



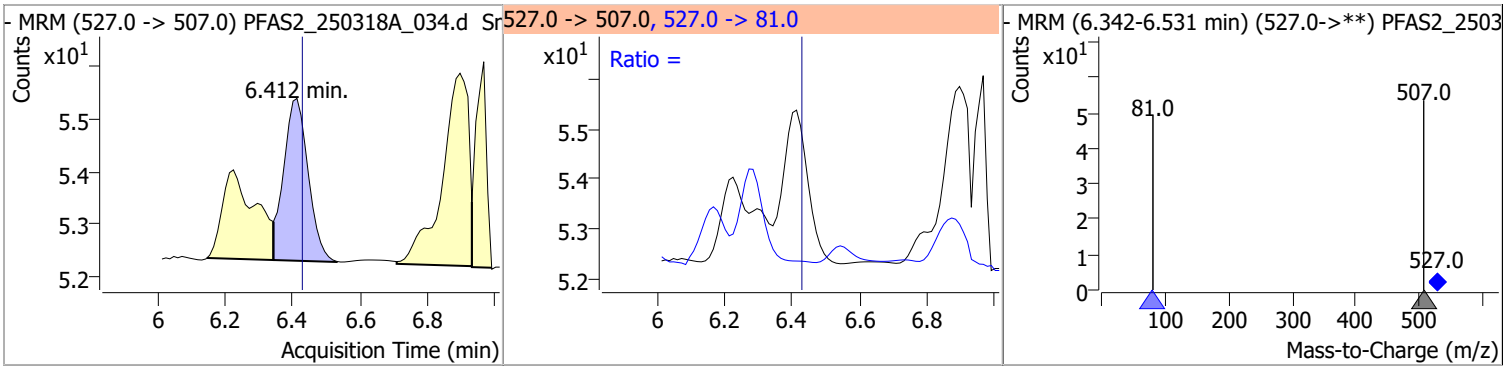
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	6.37	-0.01	8	448.9 -> 99.0	172.7	36.5	67.7



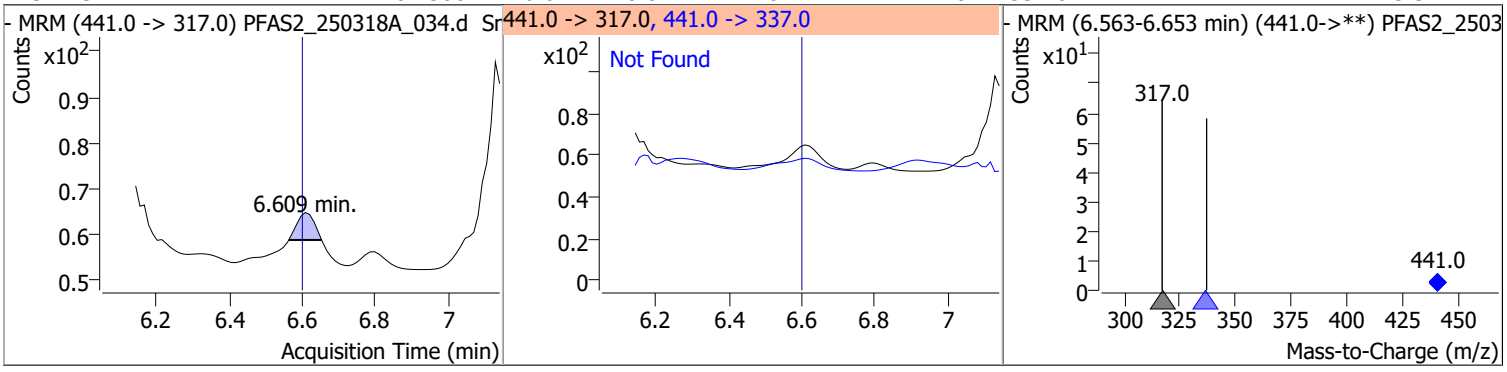
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2079	6.41	-0.01	10490	529.0 -> 509.0	215.8	325.6	604.6



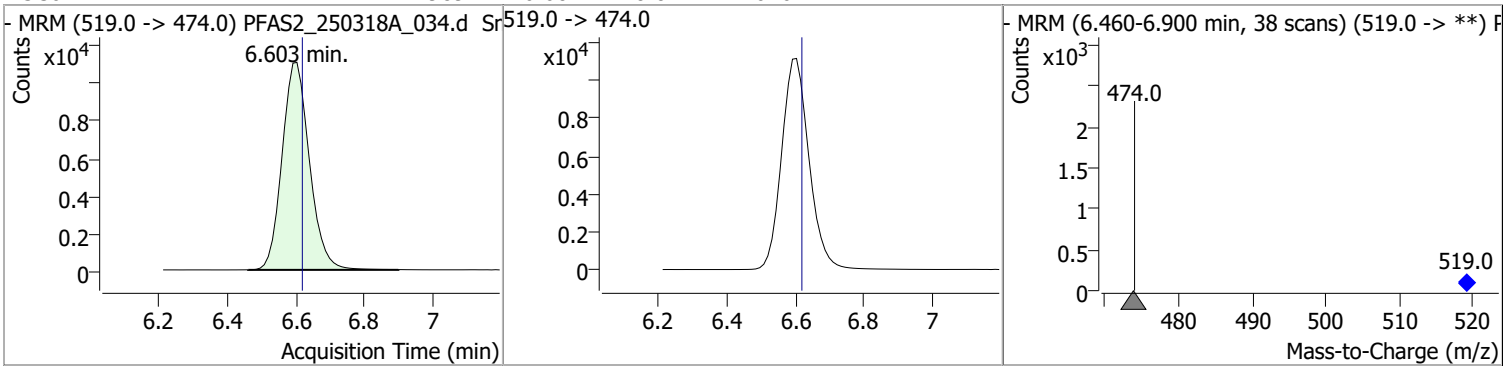
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0756	6.41	-0.01	16	527.0 -> 81.0		19.7	36.6



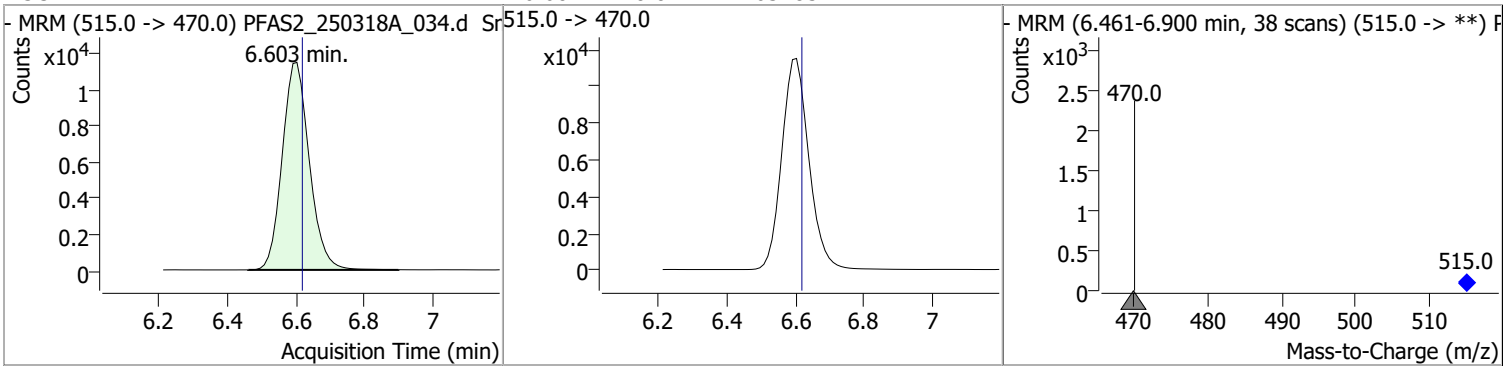
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2506	6.61	0.01	18	441.0 -> 337.0		77.1	143.3



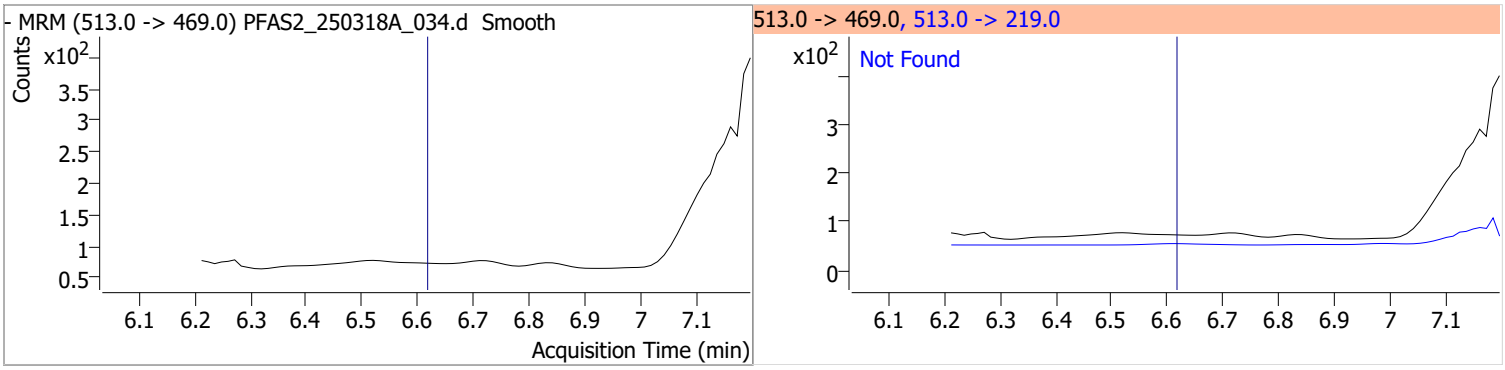
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1989	6.60	-0.01	61641				



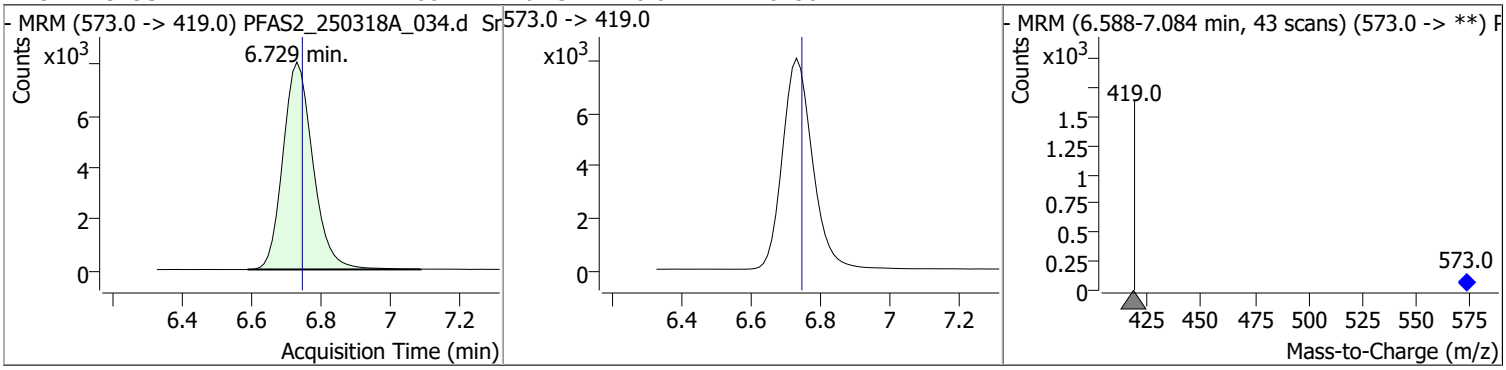
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	63185				



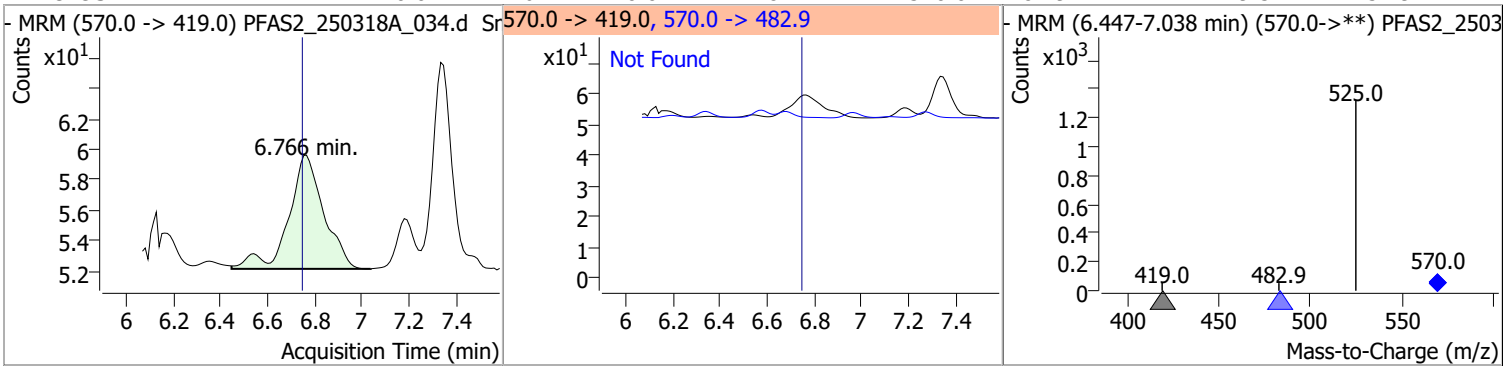
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFDA	N.D.	6.62	513.0 -> 219.0	12.5



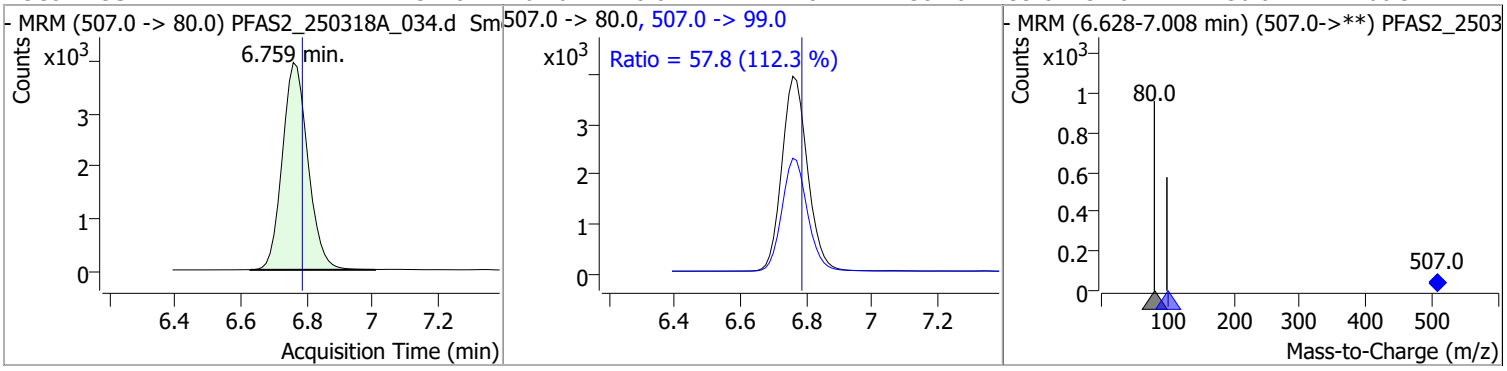
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8877	6.73	-0.01	48130				



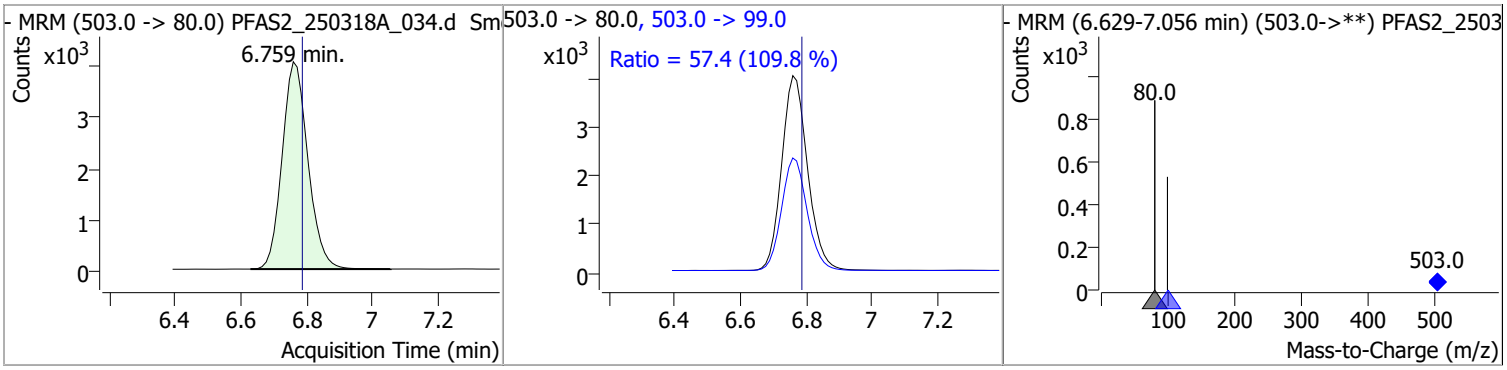
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0172	6.77	0.02	78	570.0 -> 482.9		29.5	54.9



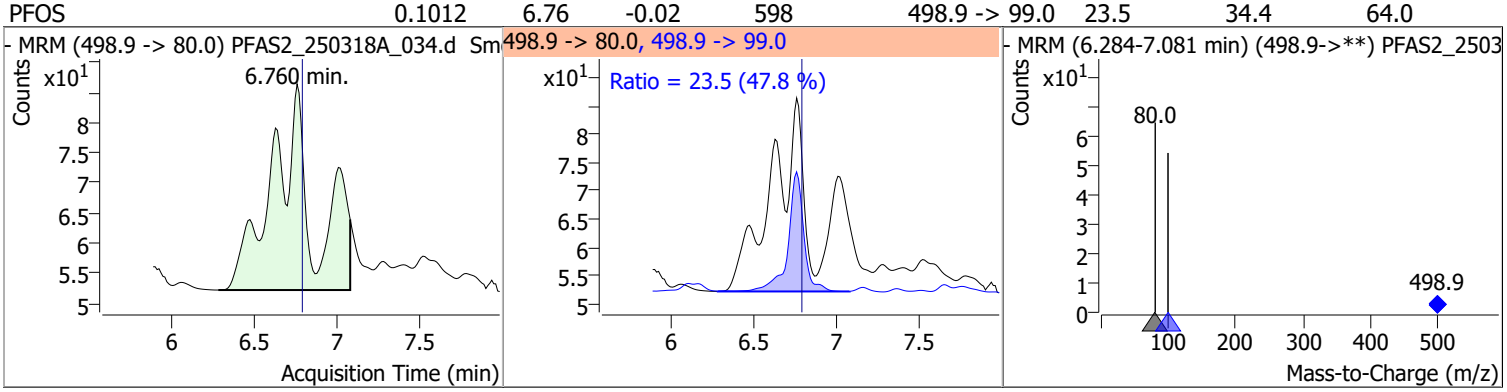
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3778	6.76	-0.02	21178	507.0 -> 99.0	57.8	36.0	66.9



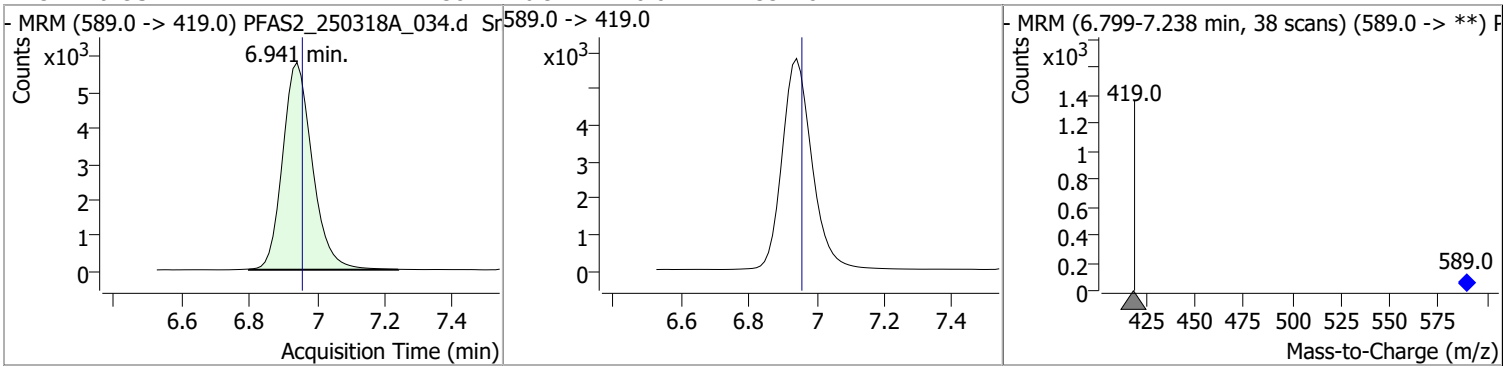
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	21946	503.0 -> 99.0	57.4	36.6	67.9



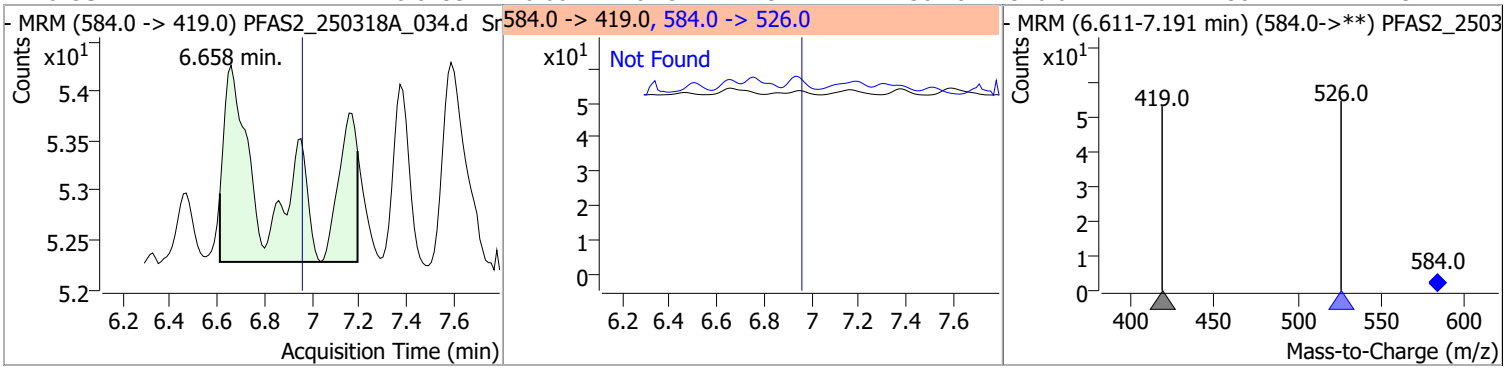
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1012	6.76	-0.02	598	498.9 -> 99.0	23.5	34.4	64.0



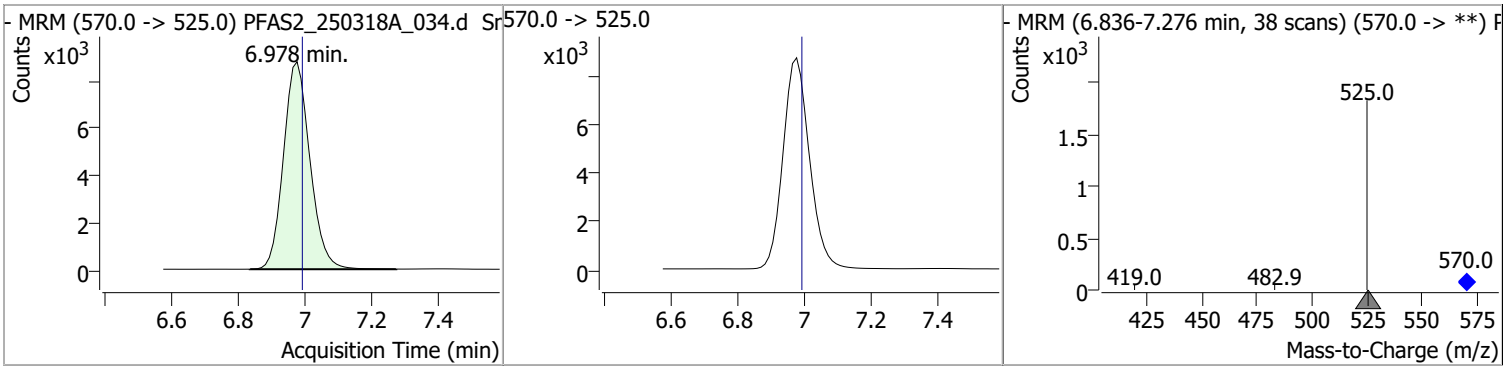
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7238	6.94	-0.01	35118				



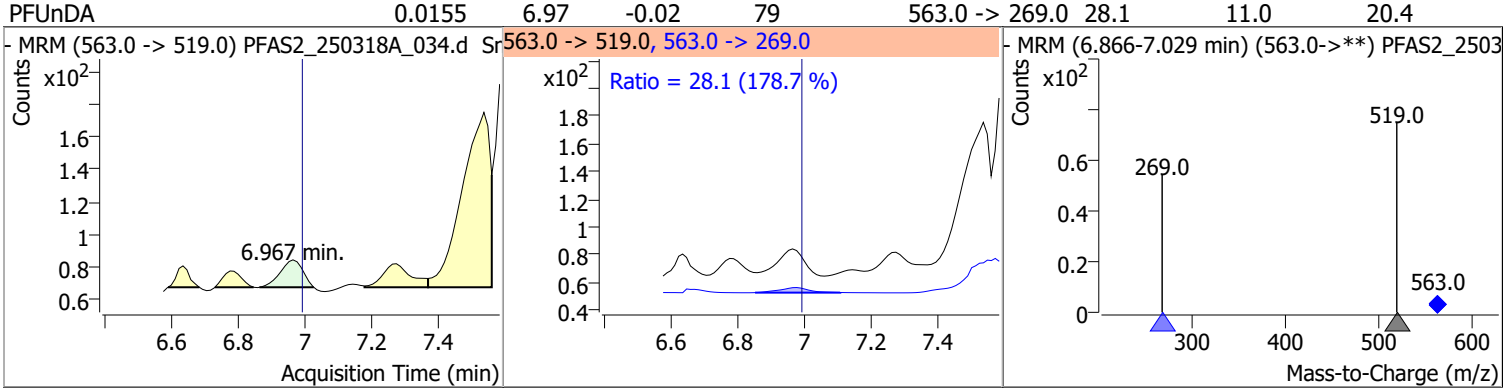
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0155	6.66	-0.29	29	584.0 -> 526.0		38.4	71.3



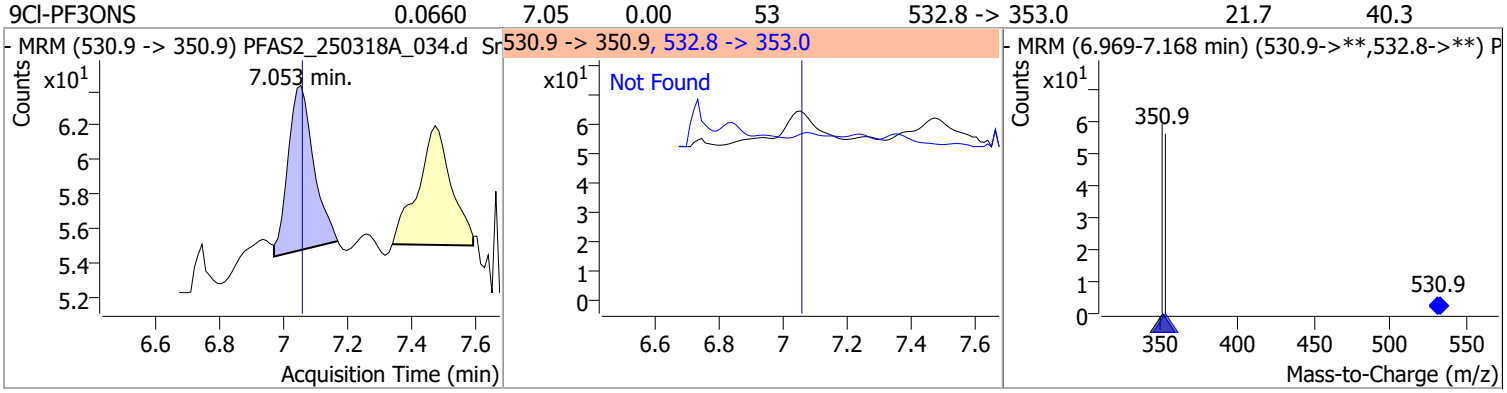
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1896	6.98	-0.01	48202				



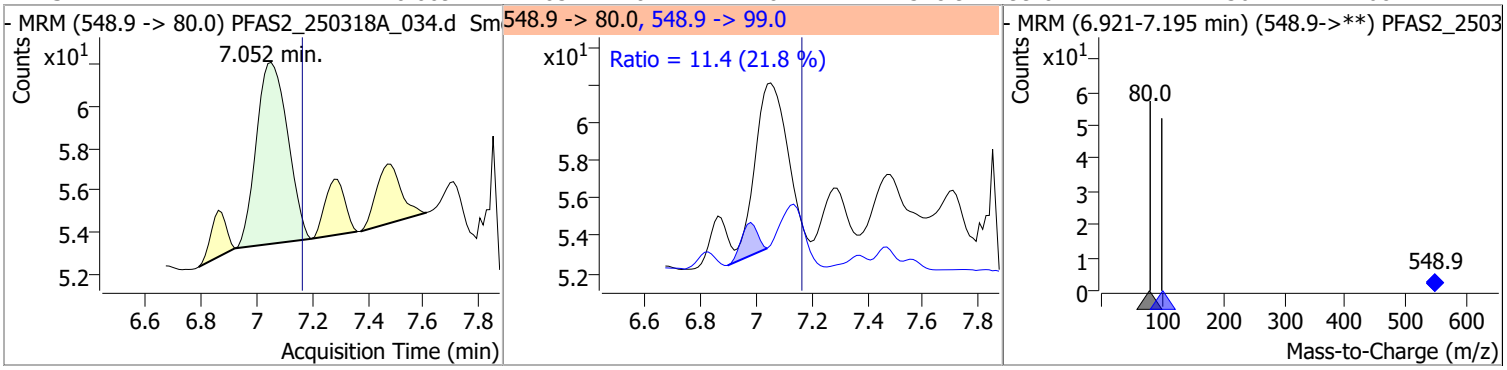
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0155	6.97	-0.02	79	563.0 -> 269.0	28.1	11.0	20.4



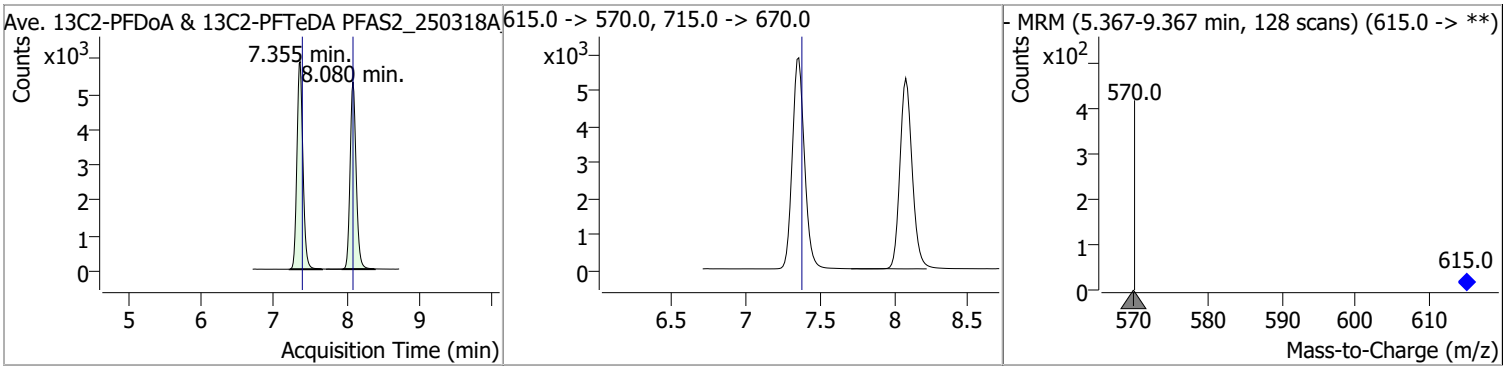
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0660	7.05	0.00	53	532.8 -> 353.0		21.7	40.3



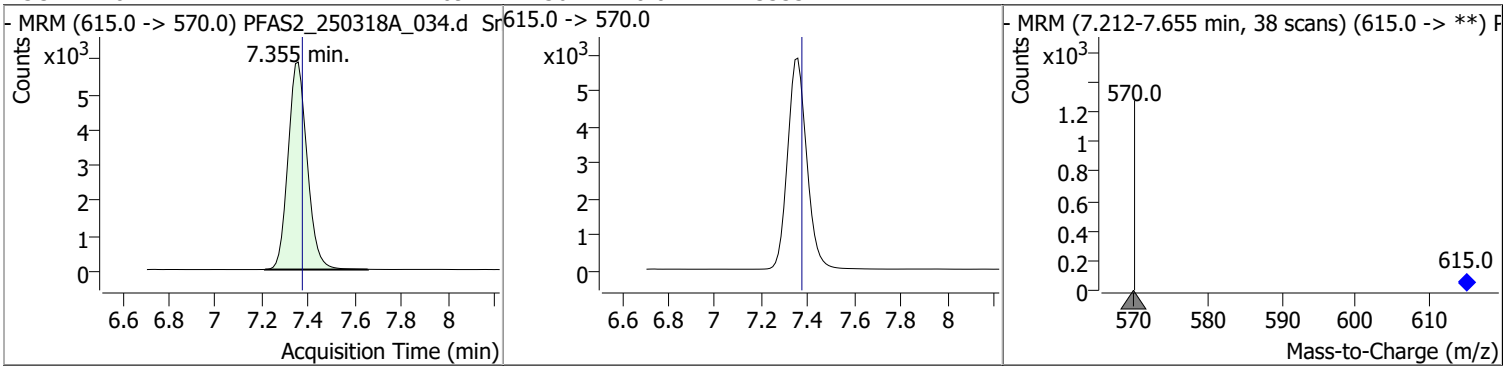
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0097	7.05	-0.11	70	548.9 -> 99.0	11.4	36.7	68.1



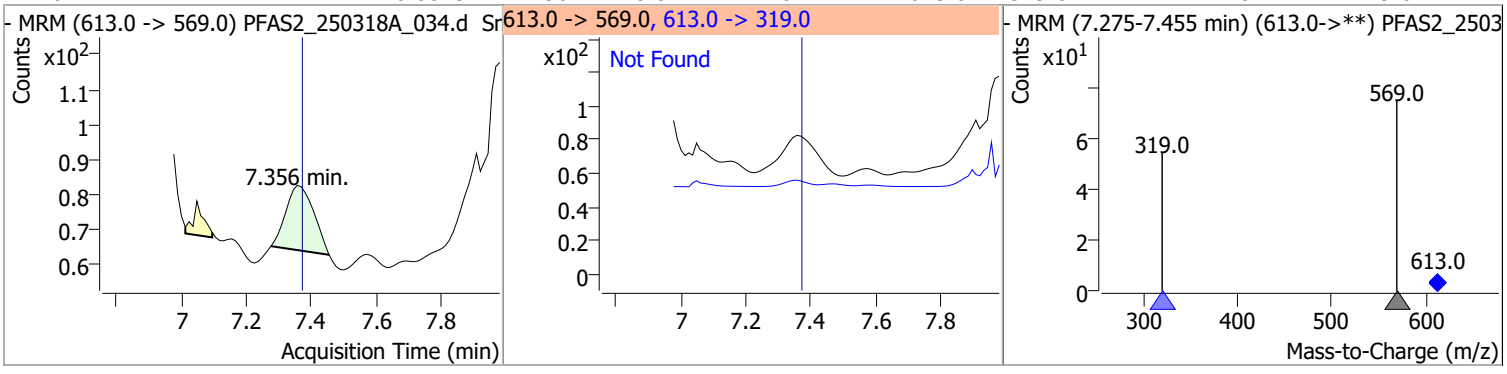
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9610	7.72	0.35	32095				



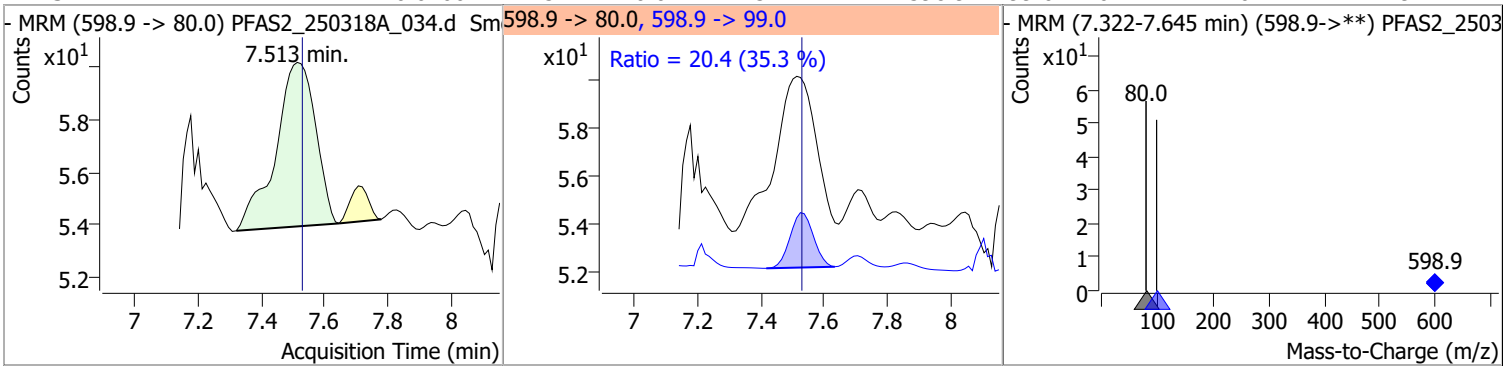
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1109	7.36	-0.01	33537				



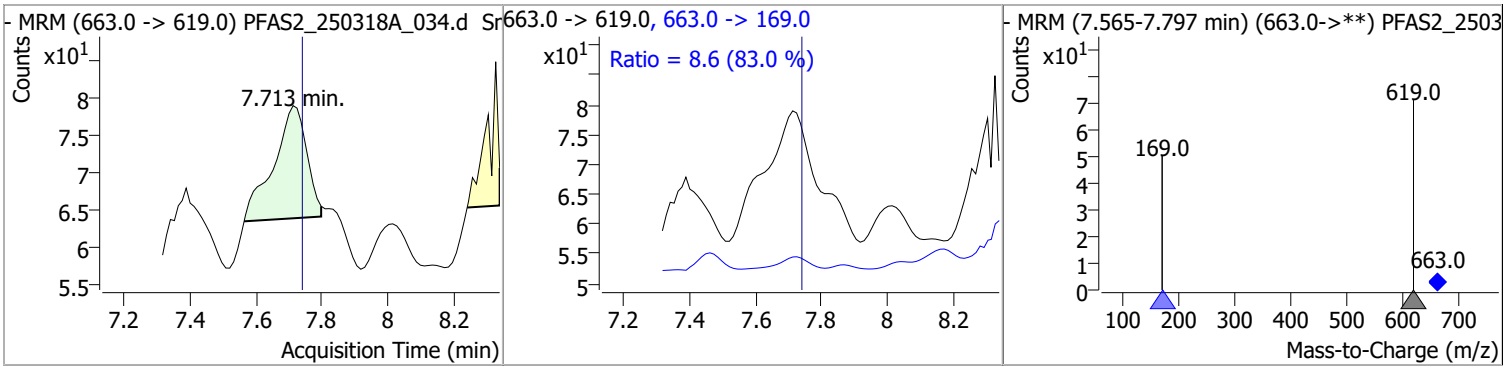
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0045	7.36	-0.01	110	613.0 -> 319.0		10.2	19.0



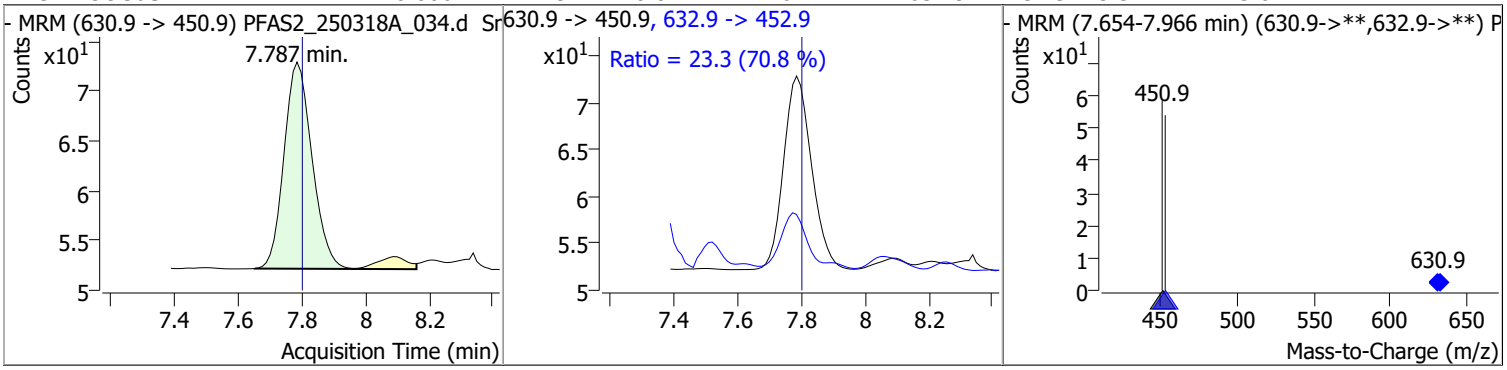
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0100	7.51	-0.01	54	598.9 -> 99.0	20.4	40.4	74.9



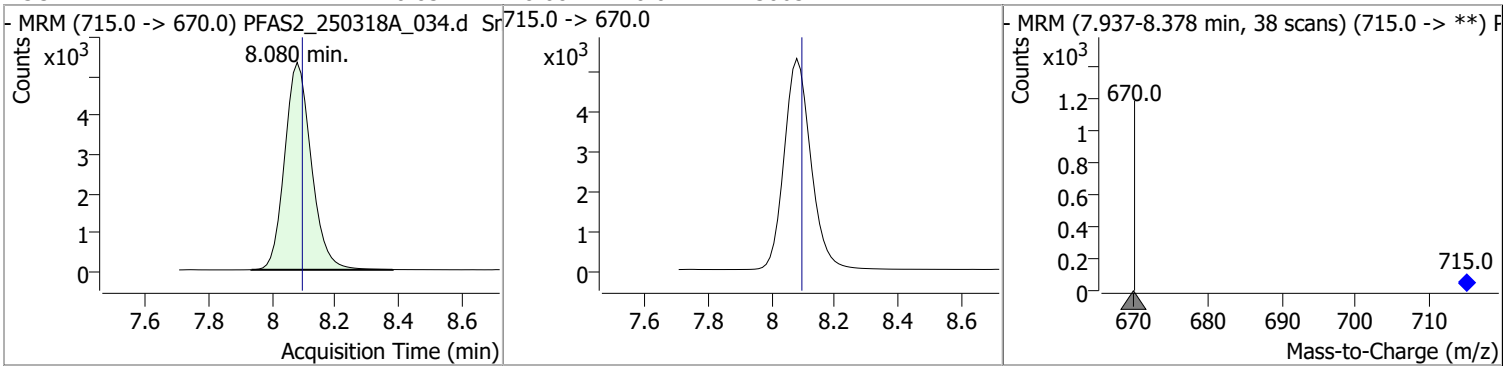
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0044	7.71	-0.02	106	663.0 -> 169.0	8.6	7.2	13.4



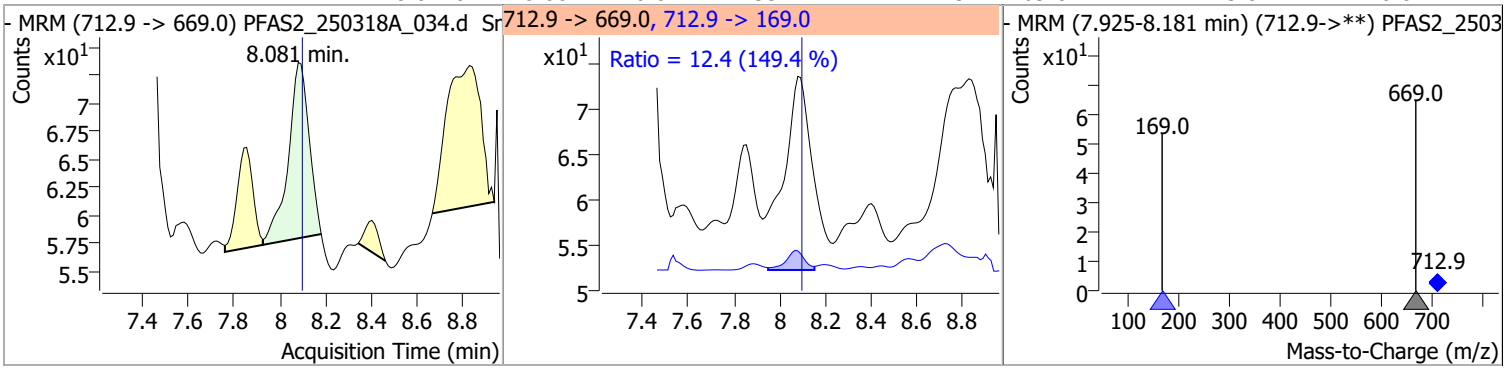
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0061	7.79	-0.01	126	632.9 -> 452.9	23.3	23.0	42.7



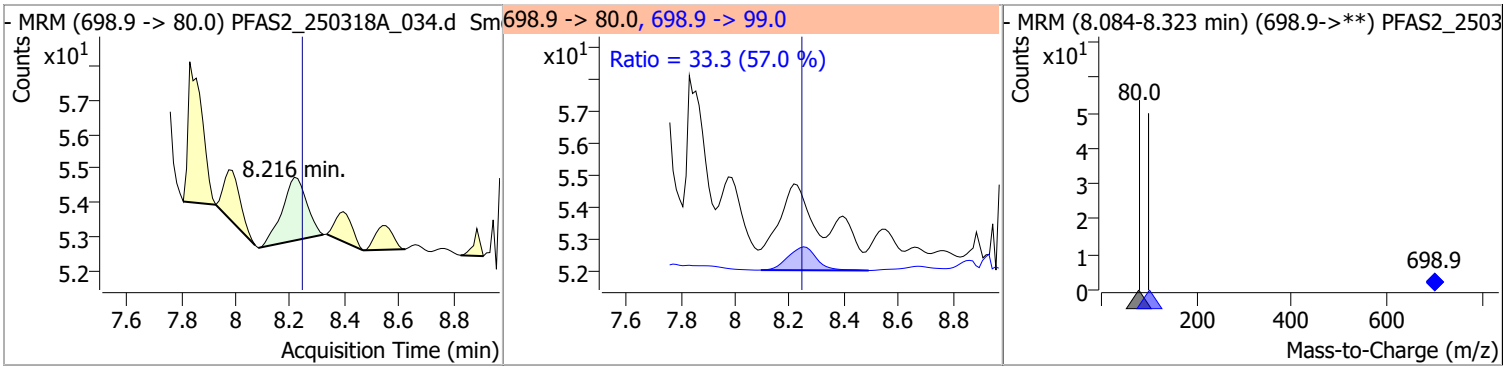
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8374	8.08	-0.01	30654				



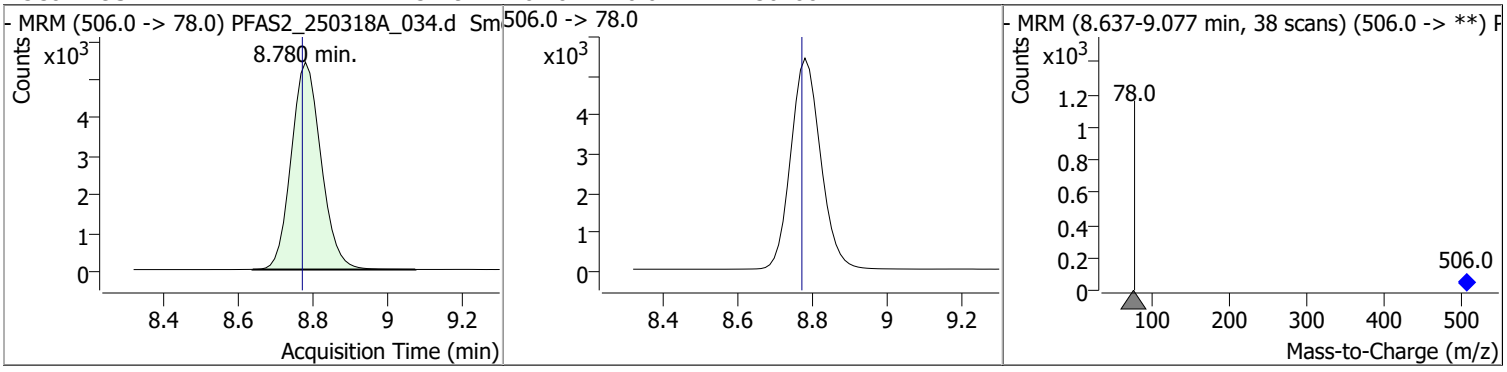
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0110	8.08	-0.01	99	712.9 -> 169.0	12.4	5.8	10.8



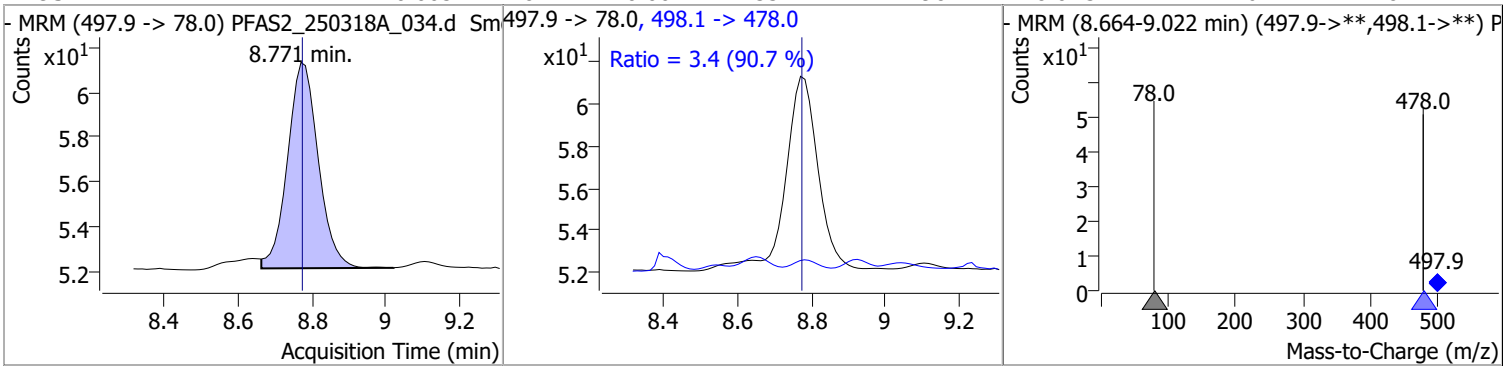
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0032	8.22	-0.02	12	698.9 -> 99.0	33.3	41.0	76.1



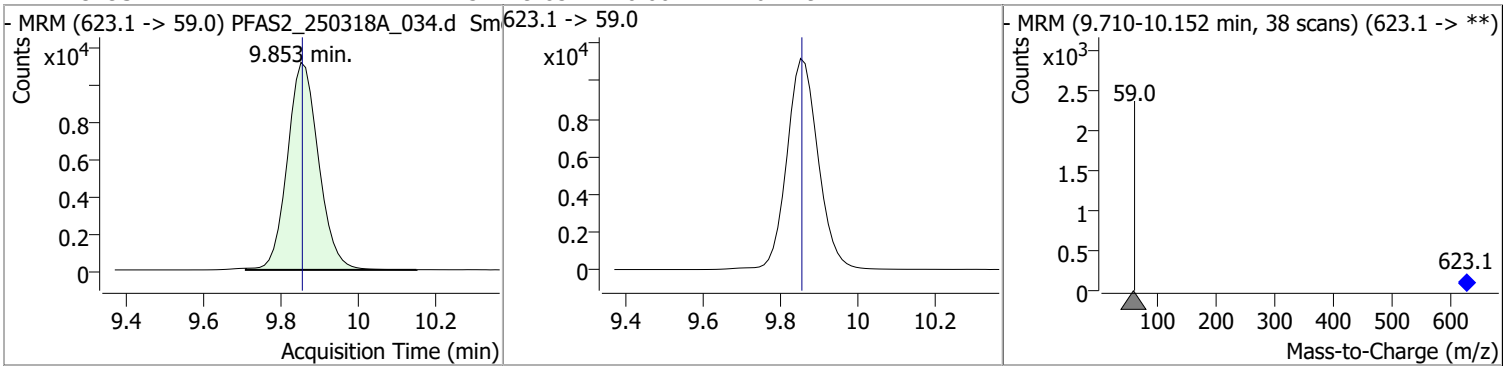
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3129	8.78	0.01	30188				



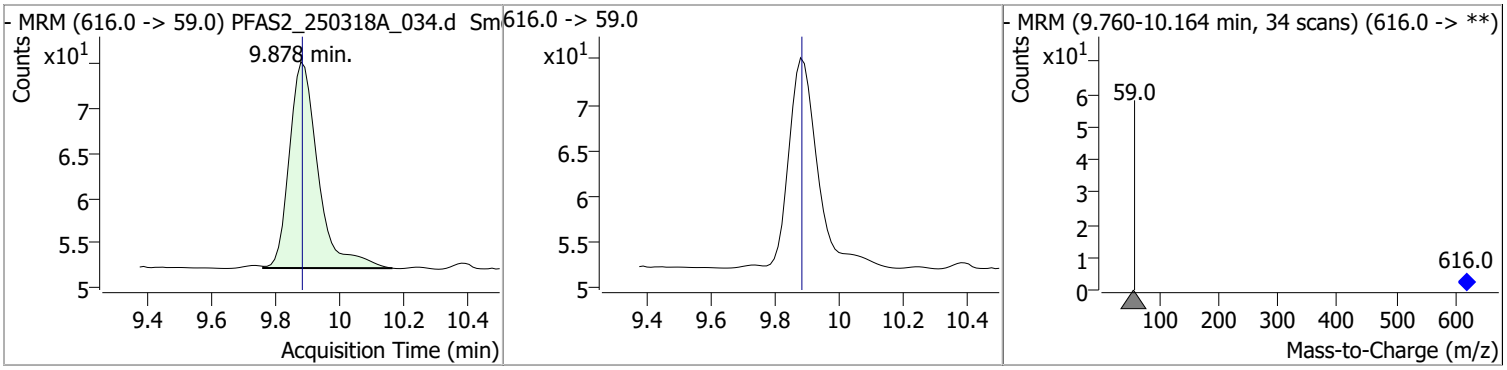
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0051	8.77	0.00	53	498.1 -> 478.0	3.4	2.6	4.8



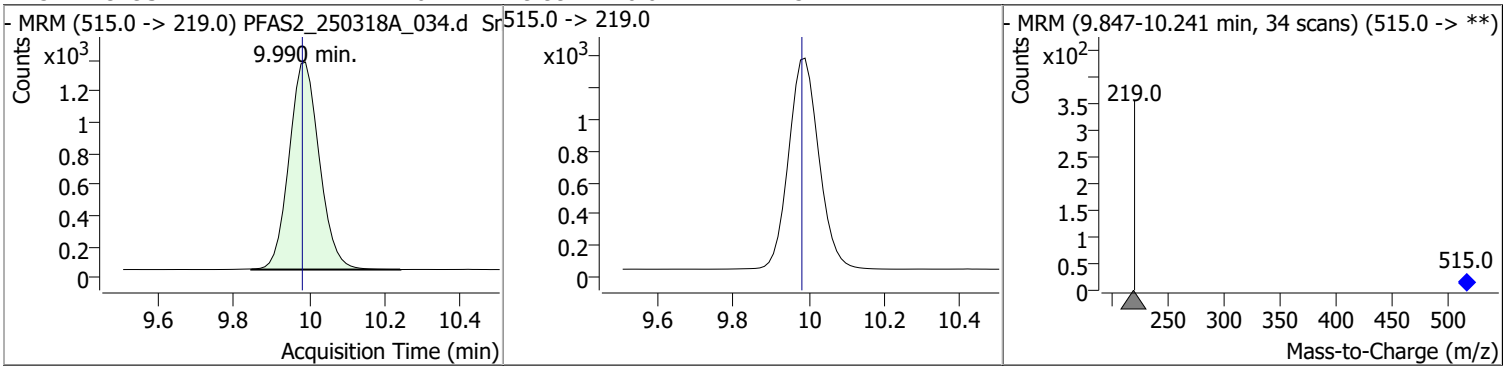
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.1143	9.85	0.00	62449				



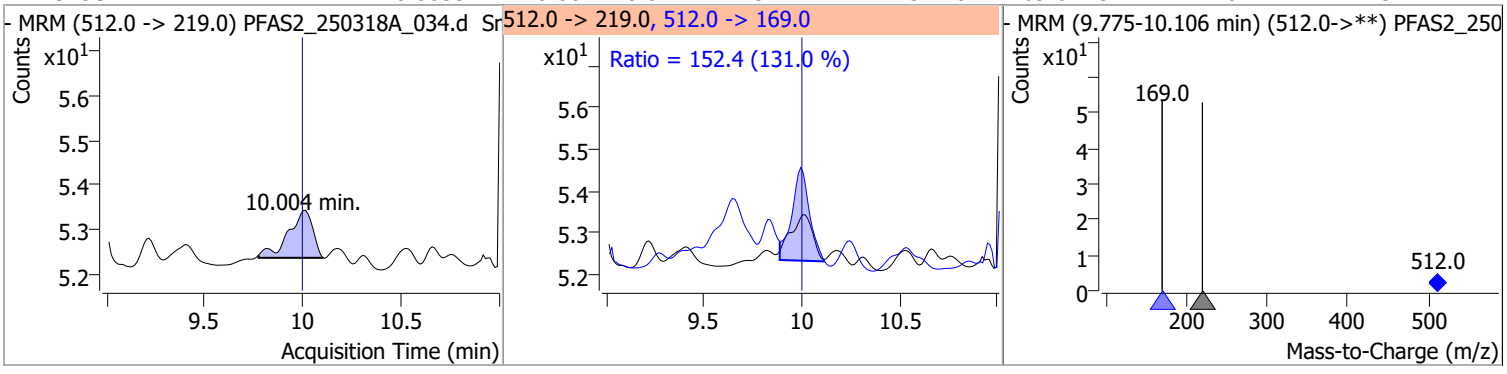
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0295	9.88	0.00	143				



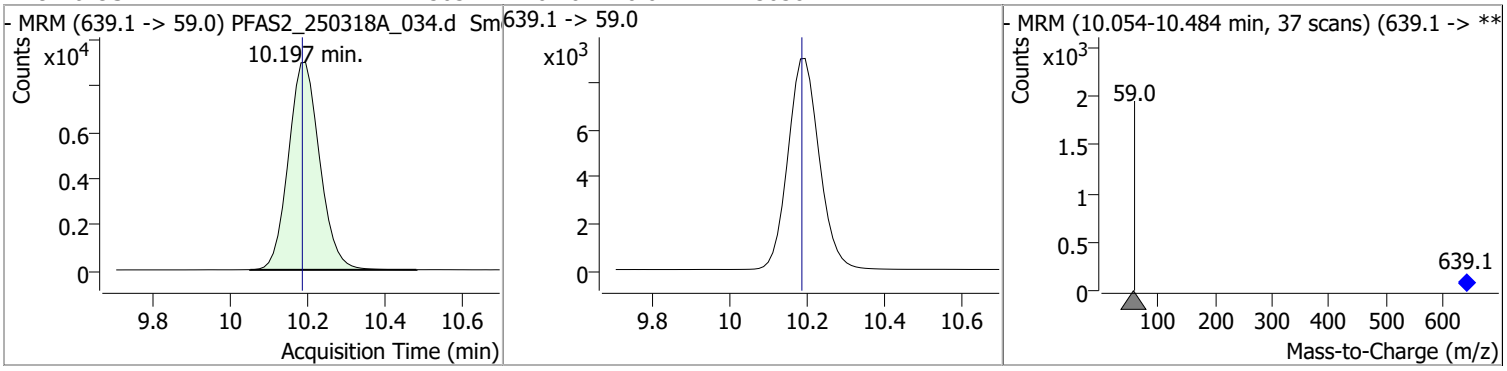
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0272	9.99	0.01	7425				



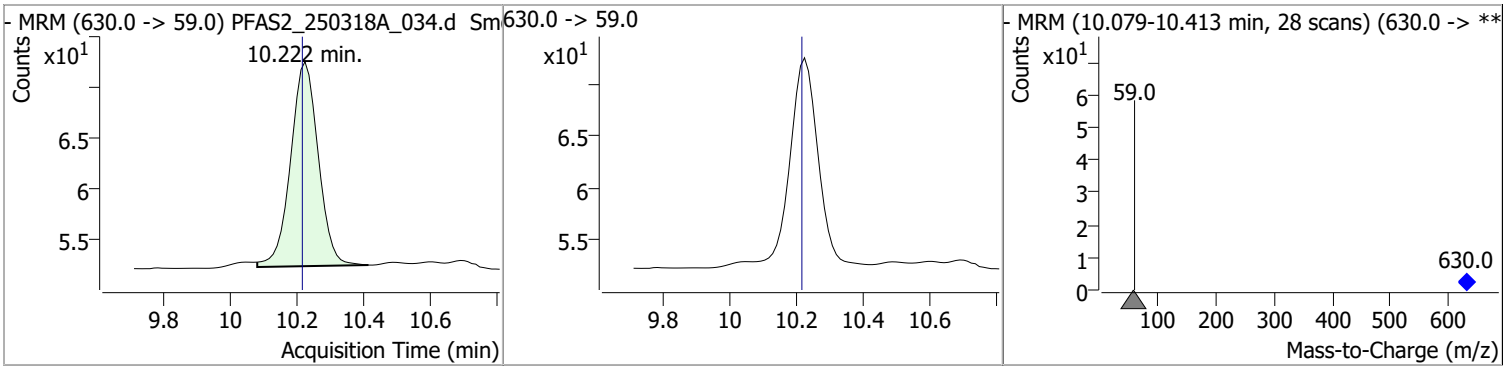
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0033	10.00	0.01	9	512.0 -> 169.0	152.4	81.4	151.2



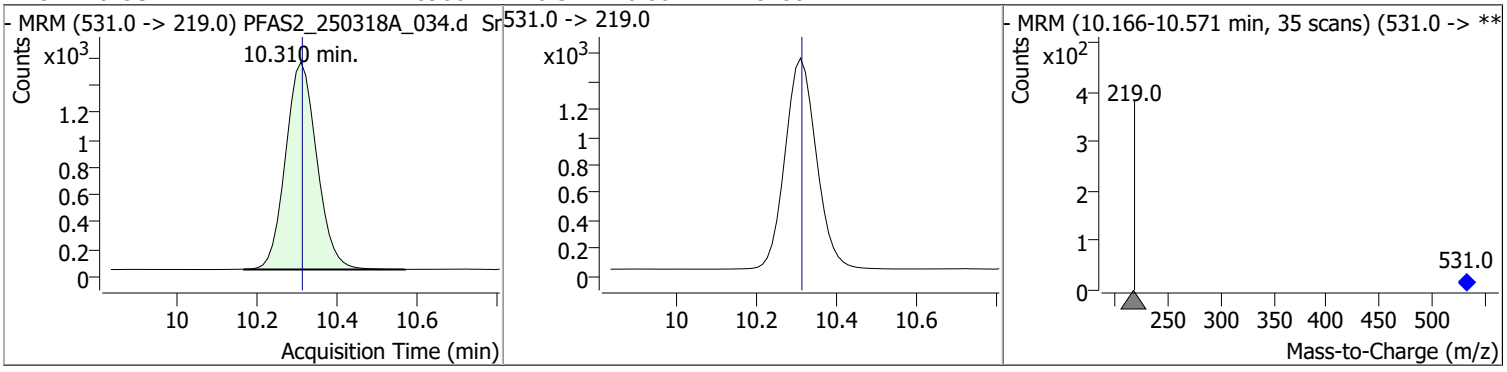
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.5032	10.20	0.01	50384				



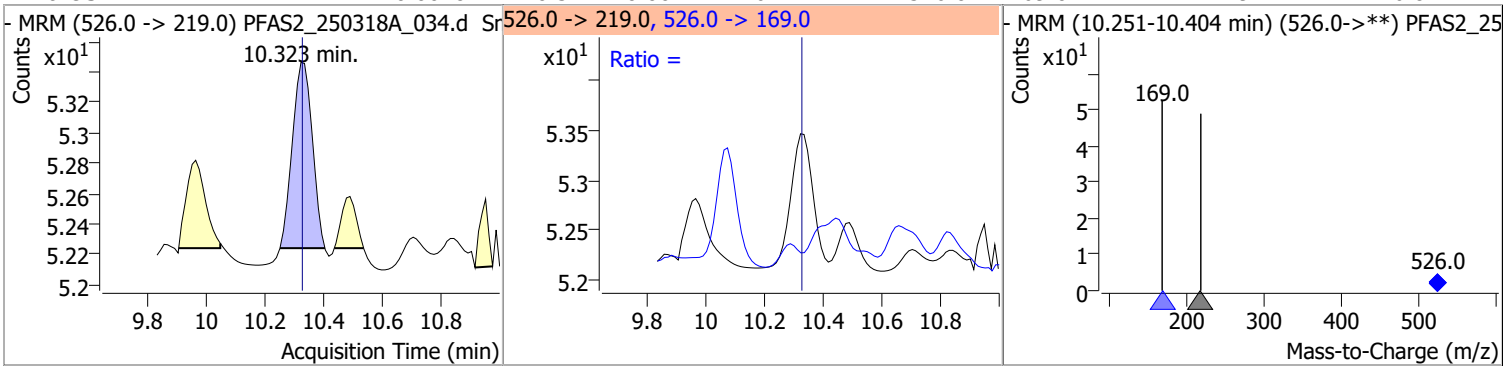
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0737	10.22	0.01	116				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0906	10.31	0.00	8280				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0018	10.32	0.00	6	526.0 -> 169.0	79.1	146.8	



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BLK1	File ID:	PFAS2_250318A_020.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 20:57
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.48	3.20	6.40	U
2706-90-3	PFPeA		0.14	1.60	3.20	U
307-24-4	PFHxA		0.13	0.80	1.60	U
375-85-9	PFHpA		0.16	0.80	1.60	U
335-67-1	PFOA	0.47	0.12	0.80	1.60	J
375-95-1	PFNA		0.09	0.80	1.60	U
335-76-2	PFDA		0.13	0.80	1.60	U
2058-94-8	PFUnA		0.19	0.80	1.60	U
307-55-1	PFDoA		0.11	0.80	1.60	U
72629-94-8	PFTrDA		0.07	0.80	1.60	U
376-06-7	PFTeDA		0.12	0.80	1.60	U
375-73-5	PFBS		0.19	0.71	1.42	U
2706-91-4	PFPeS		0.21	0.76	1.51	U
355-46-4	PFHxS		0.23	0.73	1.46	U
375-92-8	PFHpS		0.41	0.76	1.52	U
1763-23-1	PFOS	0.75	0.22	0.93	1.86	J
68259-12-1	PFNS		0.20	0.77	1.54	U
335-77-3	PFDS		0.14	0.77	1.54	U
79780-39-5	PFDoS		0.08	0.78	1.55	U
757124-72-4	4:2FTS		0.41	3.00	6.00	U
27619-97-2	6:2FTS		2.77	3.04	6.08	U
39108-34-4	8:2FTS		0.61	3.07	6.14	U
754-91-6	PFOSA		0.10	0.80	1.60	U
31506-32-8	NMeFOSA		0.26	0.80	1.60	U
4151-50-2	NEtFOSA		0.31	0.80	1.60	U
2355-31-9	NMeFOSAA		0.44	0.80	1.60	U

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BLK1	File ID:	PFAS2_250318A_020.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 20:57
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.80	1.60	U
24448-09-7	NMeFOSE		1.01	8.00	16.0	U
1691-99-2	NEtFOSE		1.26	8.00	16.0	U
13252-13-6	HFPO-DA		0.41	1.60	3.20	U
919005-14-4	ADONA		0.15	1.51	3.02	U
756426-58-1	9CL-PF3ONS		0.18	1.50	2.99	U
763051-92-9	11CL-PF3OUdS		0.31	1.51	3.02	U
356-02-5	3:3FTCA		0.66	3.20	6.40	U
914637-49-3	5:3FTCA		3.66	16.0	32.0	U
812-70-4	7:3FTCA		3.06	16.0	32.0	U
113507-82-7	PFEESA		0.17	1.42	2.85	U
377-73-1	PFMPA		0.11	1.60	3.20	U
863090-89-5	PFMBA		0.12	1.60	3.20	U
151772-58-6	NFDHA		0.45	1.60	3.20	U

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_020.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:57:04 PM
Sample Name	B25C0783-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

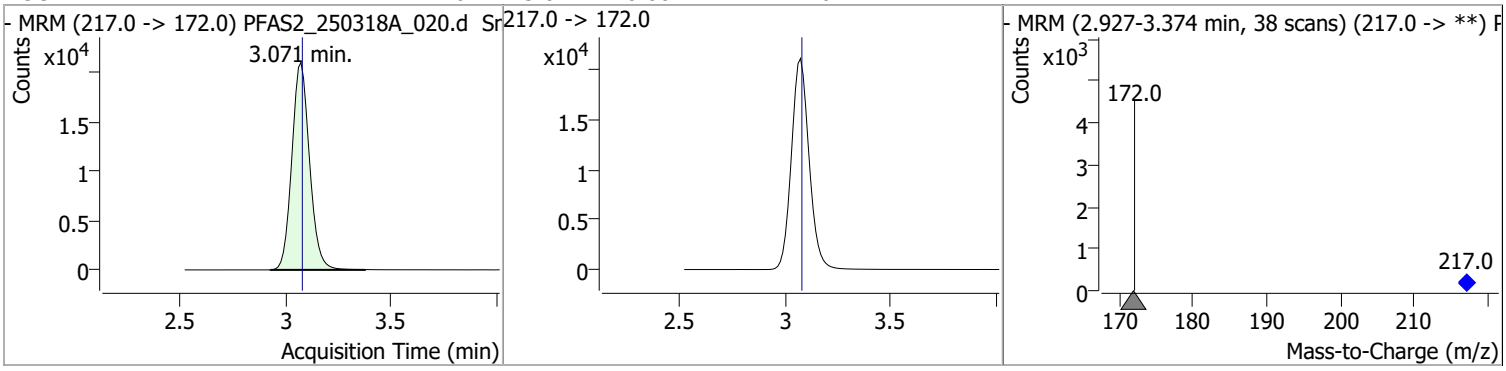
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	121666	5.0000	µg/L		-11.090
13C2-PFHxA	4.902	315.0 -> 270.0	136106	2.5000	µg/L		-11.288
18O2-PFHxS	5.955	403.0 -> 84.0	26848	2.5000	µg/L		-9.388
13C4-PFOA	5.823	417.0 -> 172.0	14264	2.5000	µg/L		-7.661
13C5-PFNA	6.226	468.0 -> 423.0	68513	1.2500	µg/L		-3.737
13C2-PFDA	6.615	515.0 -> 470.0	59842	1.2500	µg/L		-10.518
13C4-PFOS	6.771	503.0 -> 80.0	21329	2.5000	µg/L		-14.373
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	122276	10.0000	µg/L		-60.662
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.23%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27378	5.0000	µg/L	#	8.366
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.08%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C3-PFBS	4.929	302.0 -> 80.0	47913	2.5000	µg/L		-21.096
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.17%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	150589	10.0000	µg/L		-13.836
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.12%			
13C4-PFHpA	5.397	367.0 -> 322.0	161408	2.5000	µg/L		-14.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.36%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15003	5.0000	µg/L	#	1.584
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.23%			
13C8-PFOA	5.823	421.0 -> 376.0	146507	2.5000	µg/L		-15.187
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C9-PFNA	6.225	472.0 -> 427.0	63755	1.2500	µg/L		-9.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11151	5.0000	µg/L	#	-5.866
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.75%			
13C6-PFDA	6.615	519.0 -> 474.0	59447	1.2500	µg/L		-12.526
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.66%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	49358	5.0000	µg/L		-11.575
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36779	5.0000	µg/L		-12.782
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.81%			
13C7-PFUnDA	6.990	570.0 -> 525.0	47032	1.2500	µg/L		-12.259
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	32664	1.2500	µg/L		-25.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	35609	1.2500	µg/L		-10.855
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFTDA	8.092	715.0 -> 670.0	29718	1.2500	µg/L		-38.453
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.57%			
13C8-PFOSA	8.780	506.0 -> 78.0	31701	2.5000	µg/L		-14.232
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60140	25.0000	µg/L		-52.134
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 55.94%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8733	2.5000	µg/L		-15.782
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%			
2H9-EtFOSE	10.185	639.1 -> 59.0	48208	25.0000	µg/L		-24.093
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.62%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9171	2.5000	µg/L		-18.404
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.877	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.235	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.491	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.049	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.212	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.374	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.447	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.553	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.515	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.654	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.836	413.0 -> 369.0	602	0.0467	µg/L		94
PFHxS	5.957	398.9 -> 80.0	136	0.0121	µg/L	#	74
PFNA	6.201	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.454	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.436	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.484	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	367	0.0745	µg/L	#	72
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.931	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.243	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.368	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.537	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

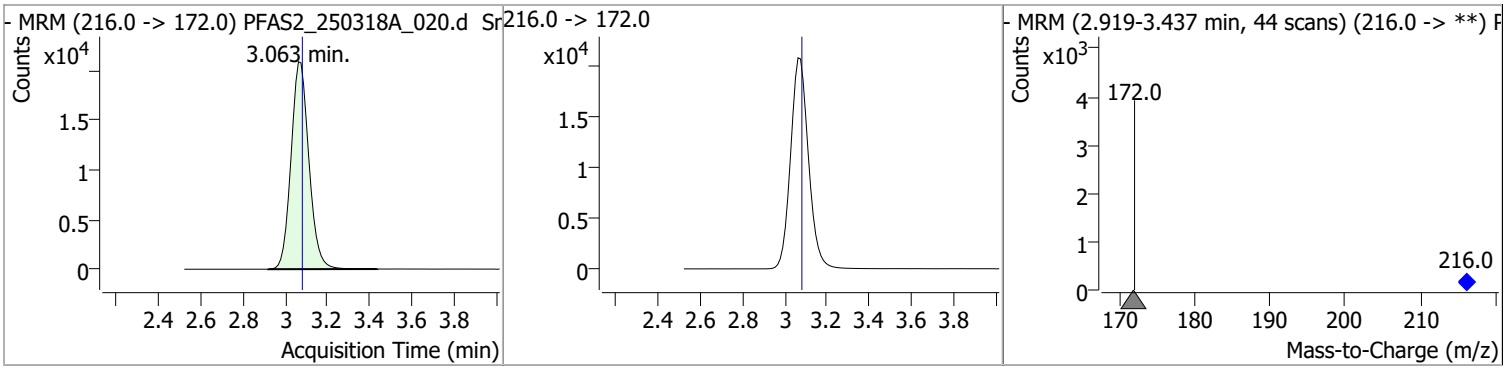
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.240	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	116	0.0177	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	136	0.0880	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

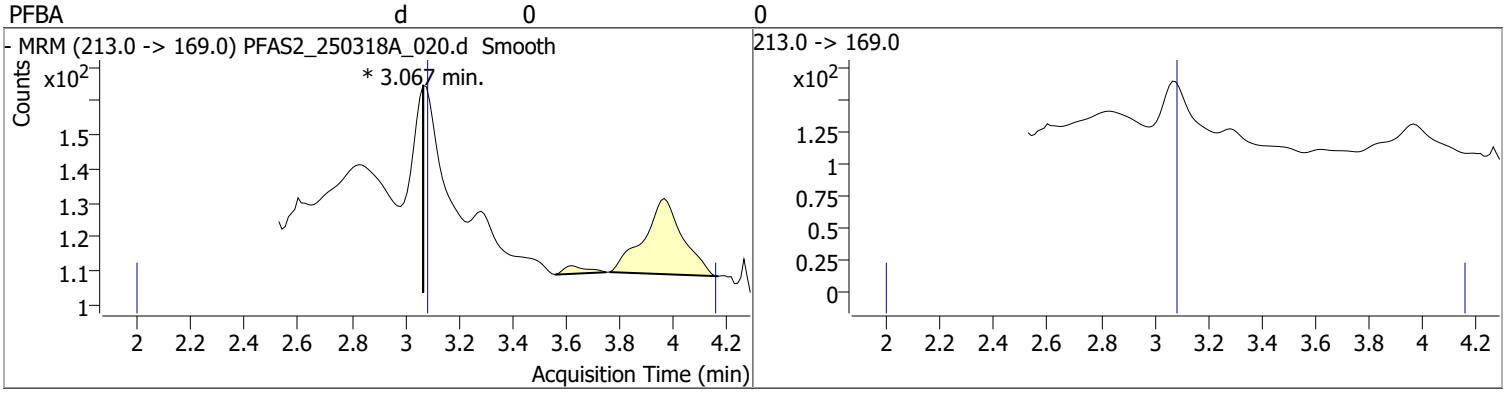
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4226	3.07	0.00	122276				



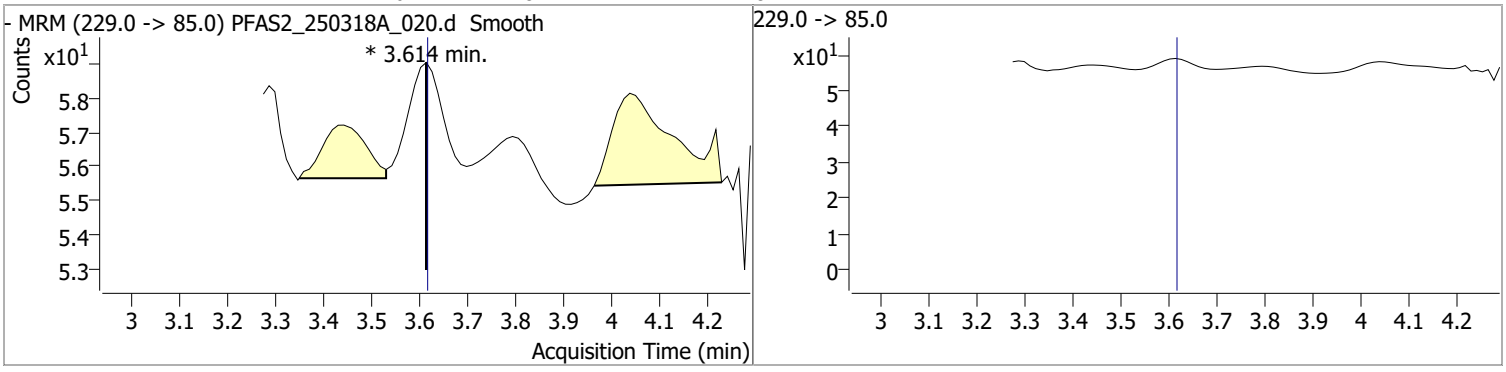
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	121666				



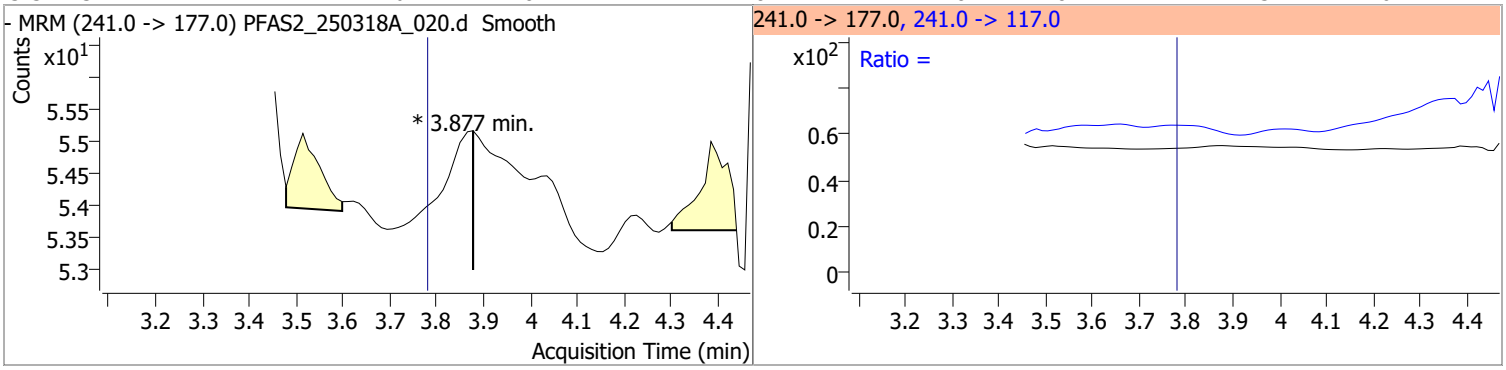
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				



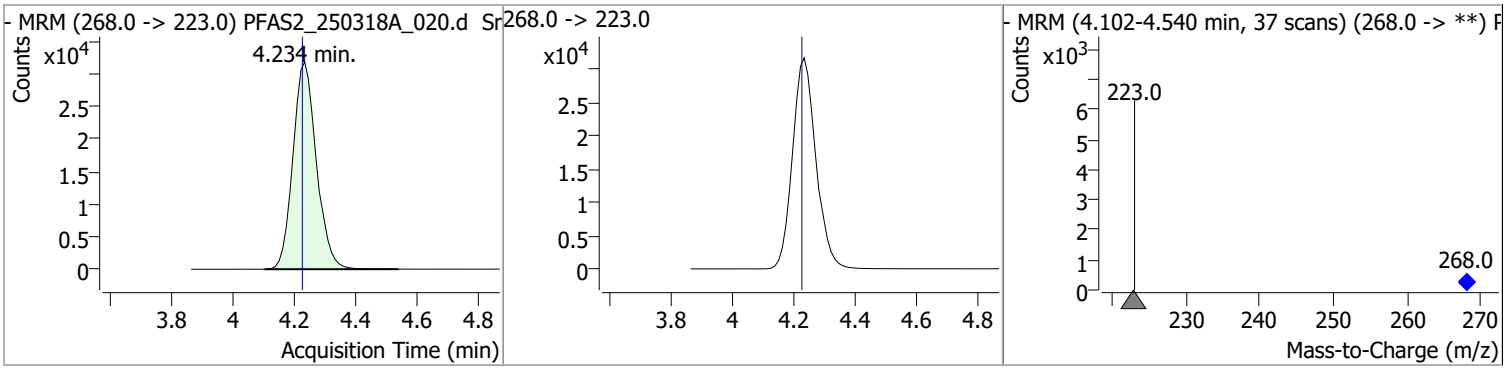
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



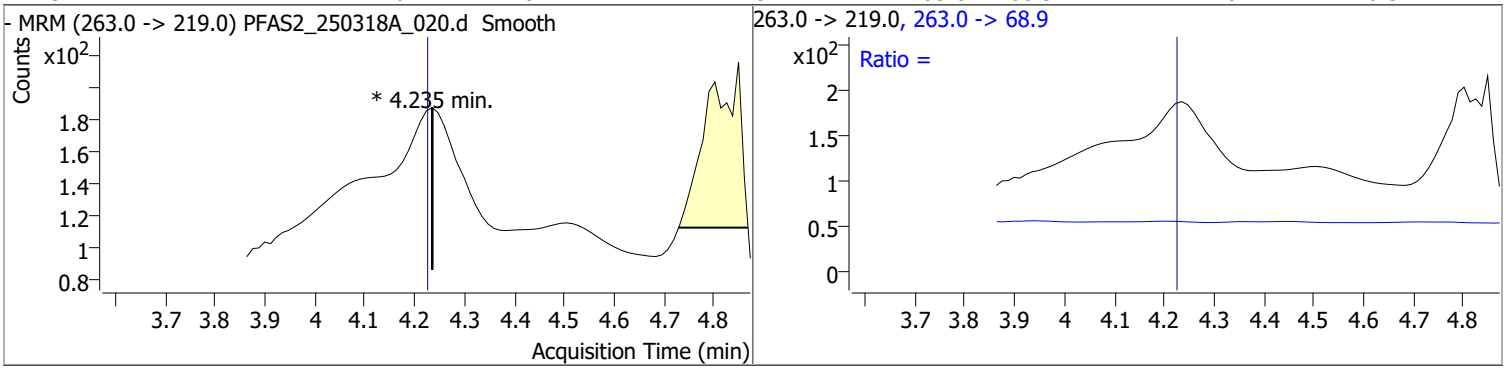
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7



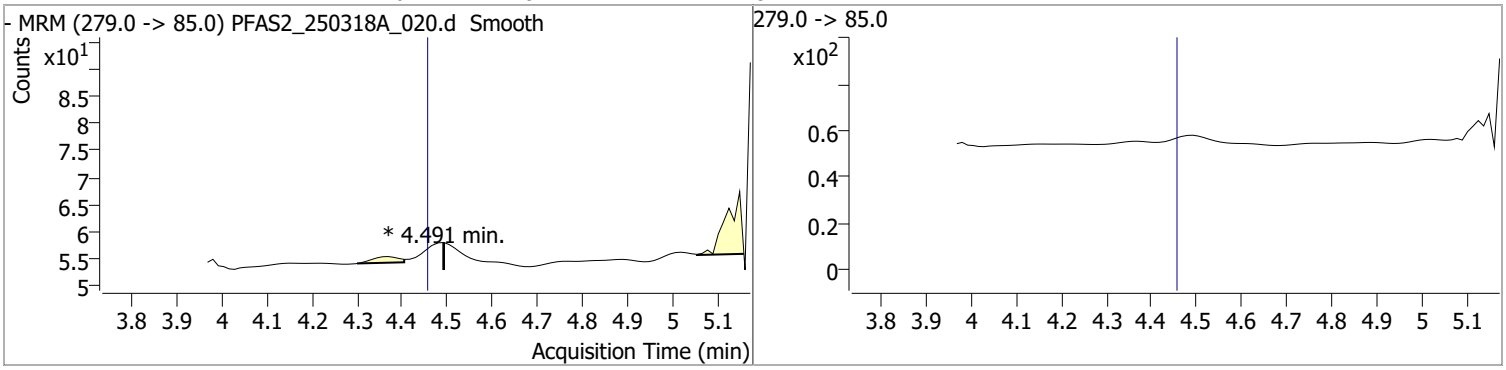
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.5956	4.23	0.01	168705				



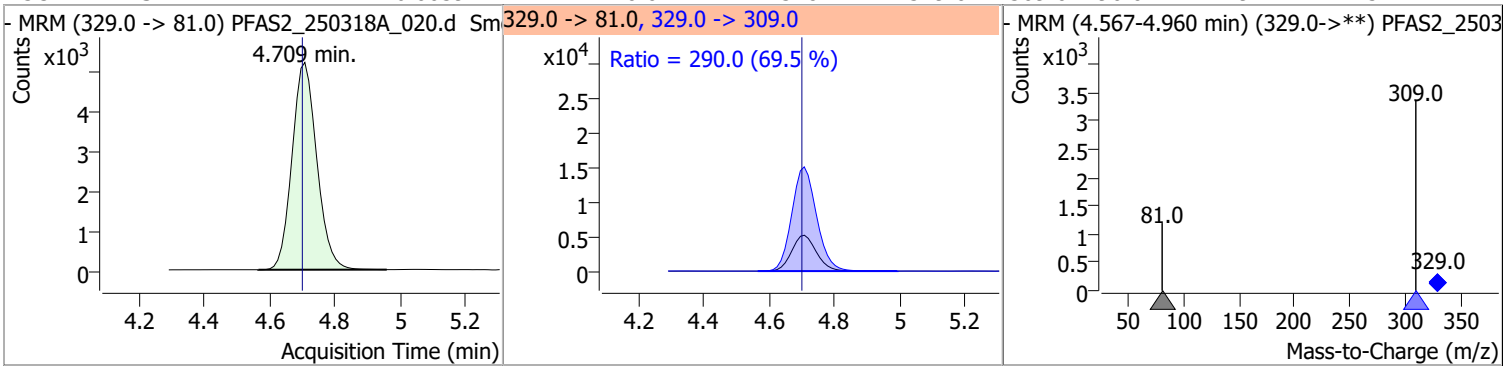
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



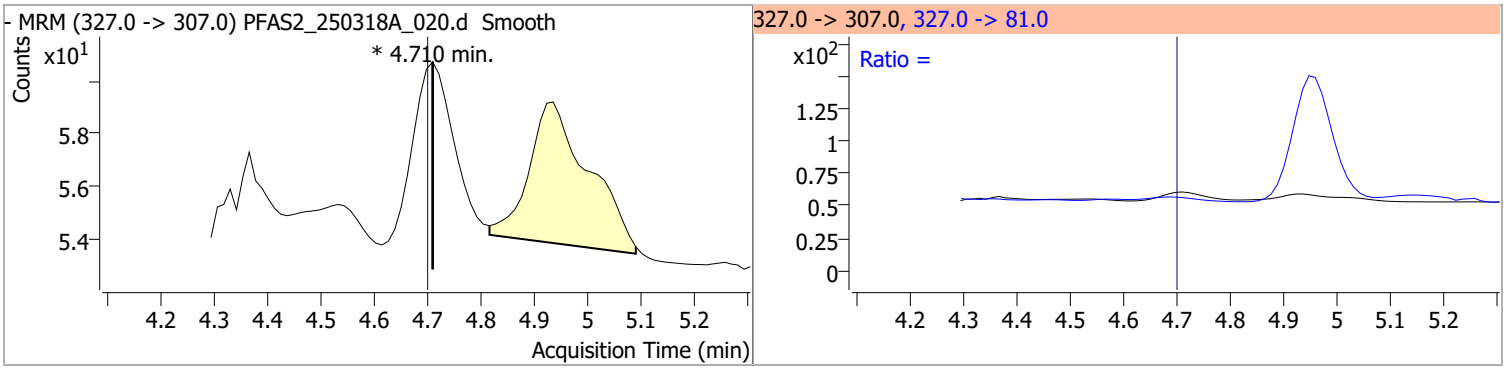
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				



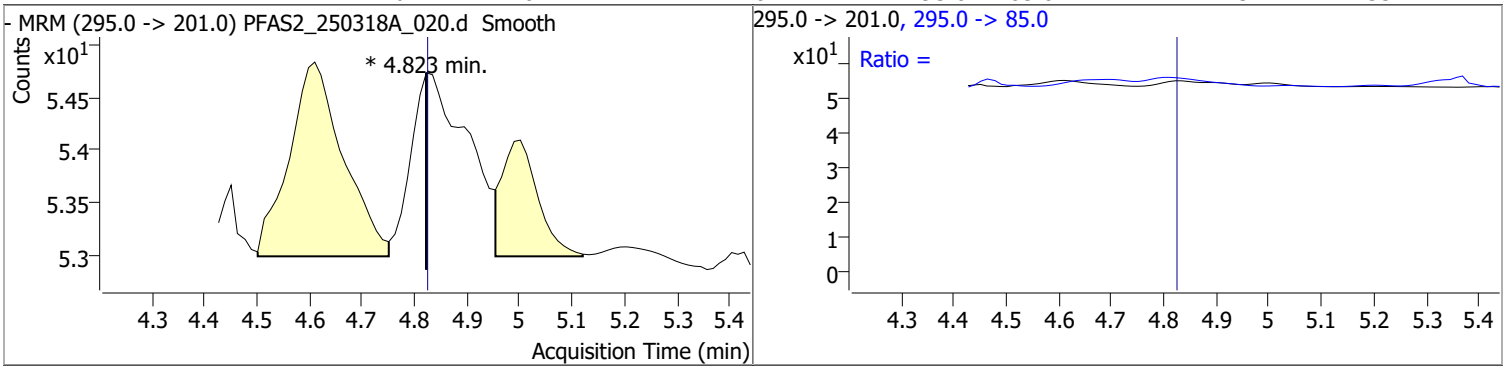
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0039	4.71	0.01	27378	329.0 -> 309.0	290.0	292.1	542.4



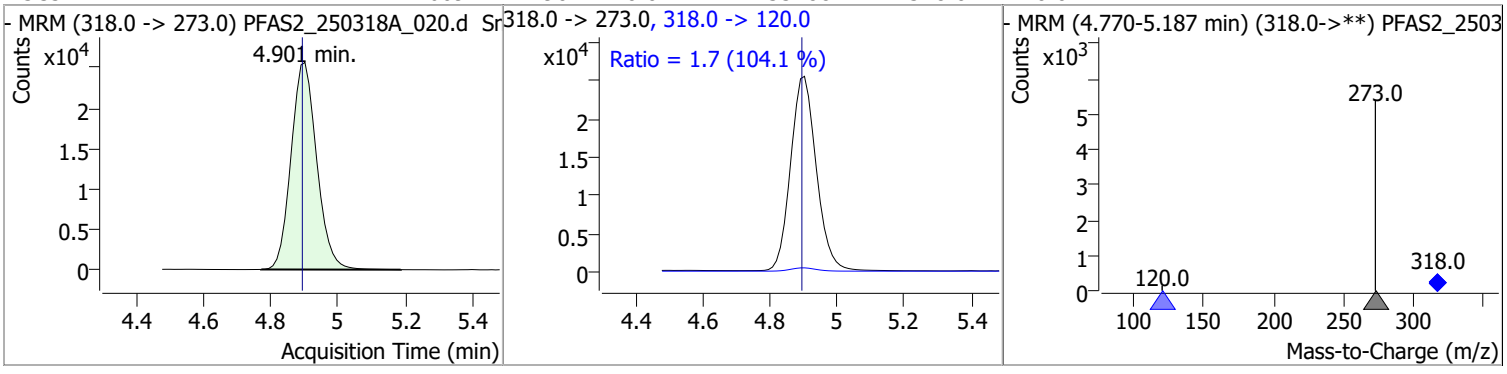
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



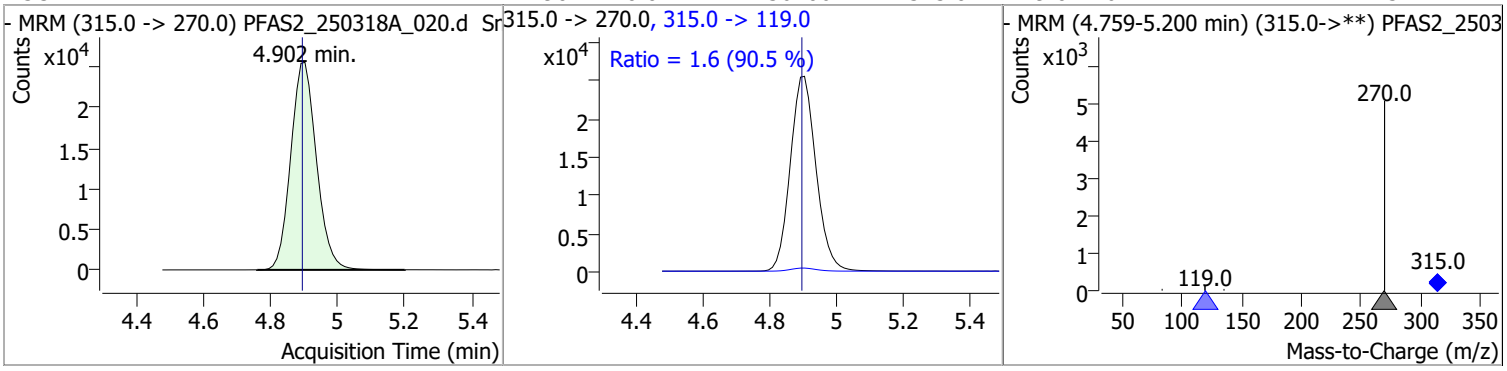
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



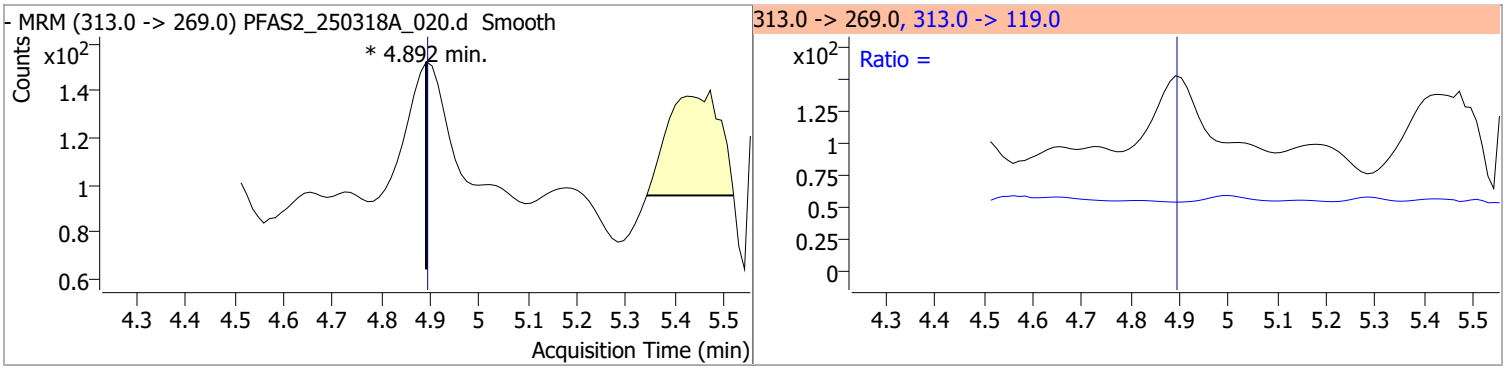
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2609	4.90	0.01	135488	318.0 -> 120.0	1.7	1.1	2.1



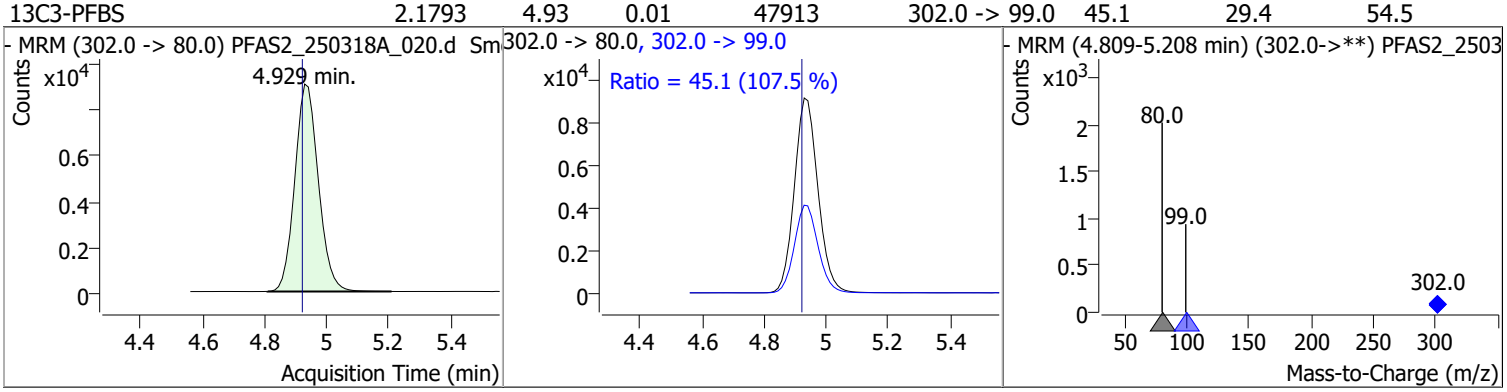
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	136106	315.0 -> 119.0	1.6	1.2	2.3



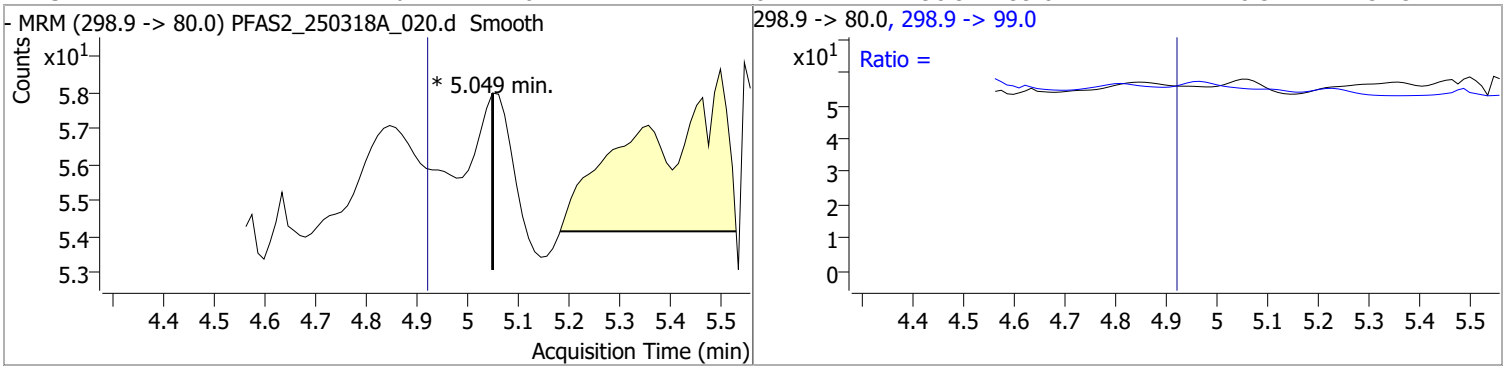
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



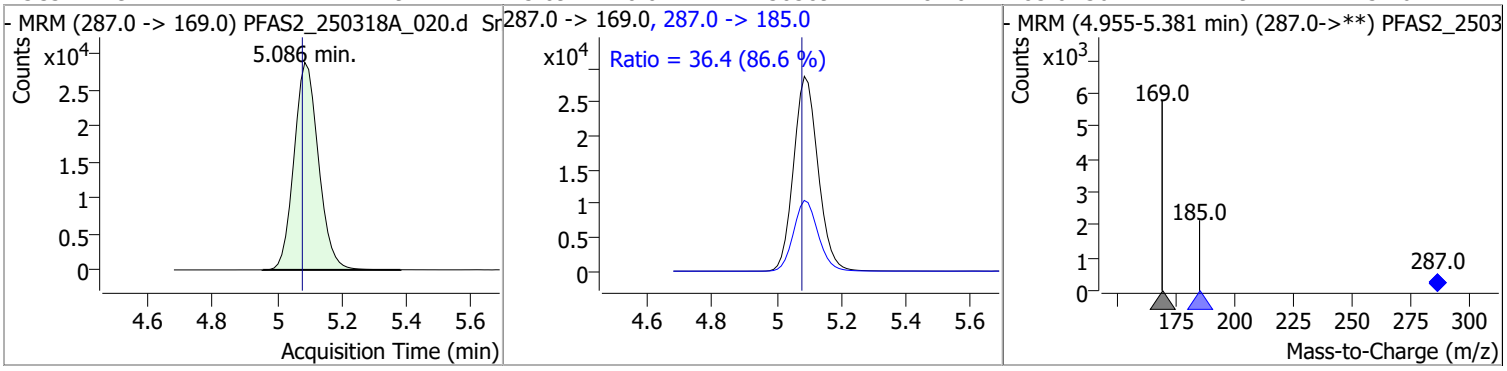
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1793	4.93	0.01	47913	302.0 -> 99.0	45.1	29.4	54.5



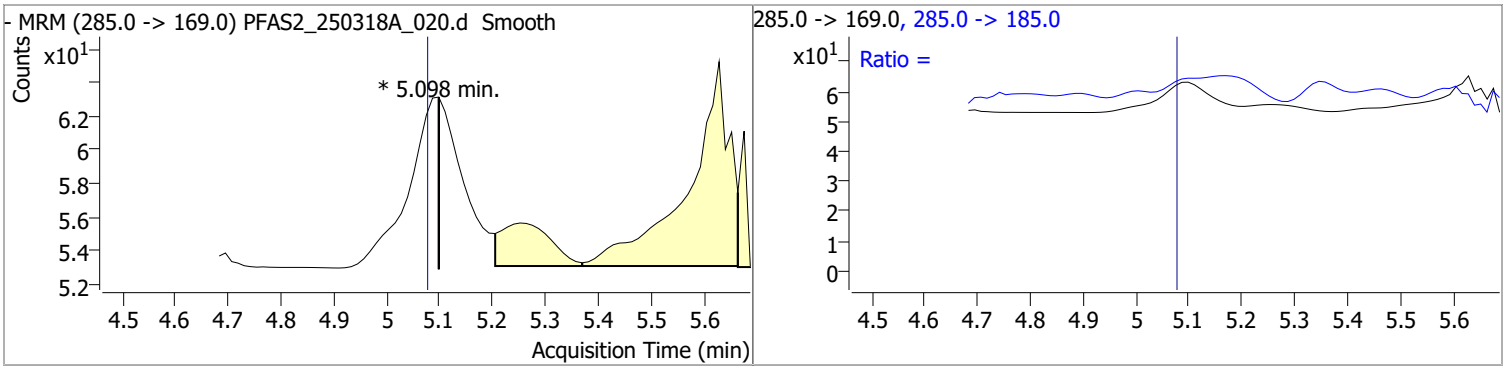
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



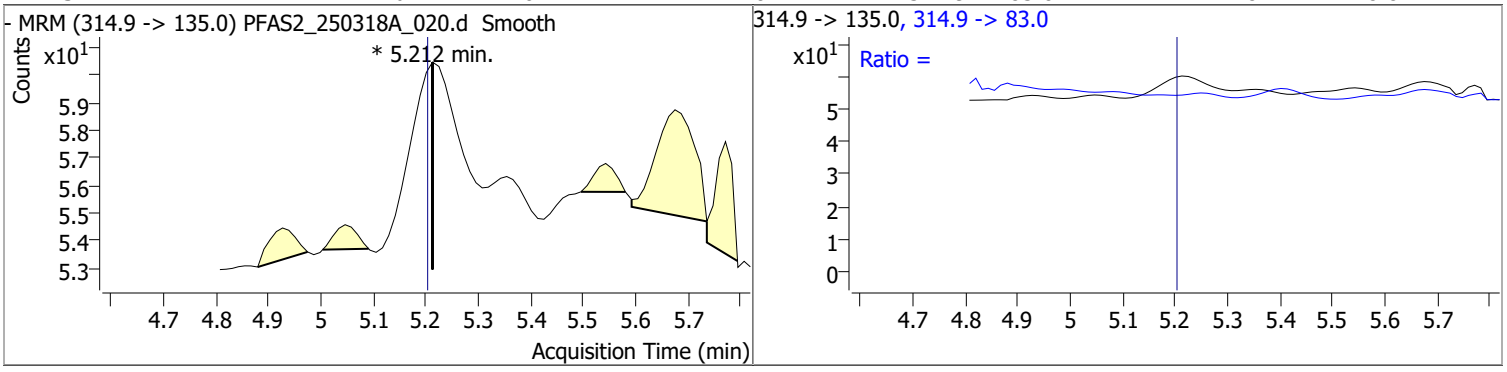
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7124	5.09	0.01	150589	287.0 -> 185.0	36.4	29.4	54.6



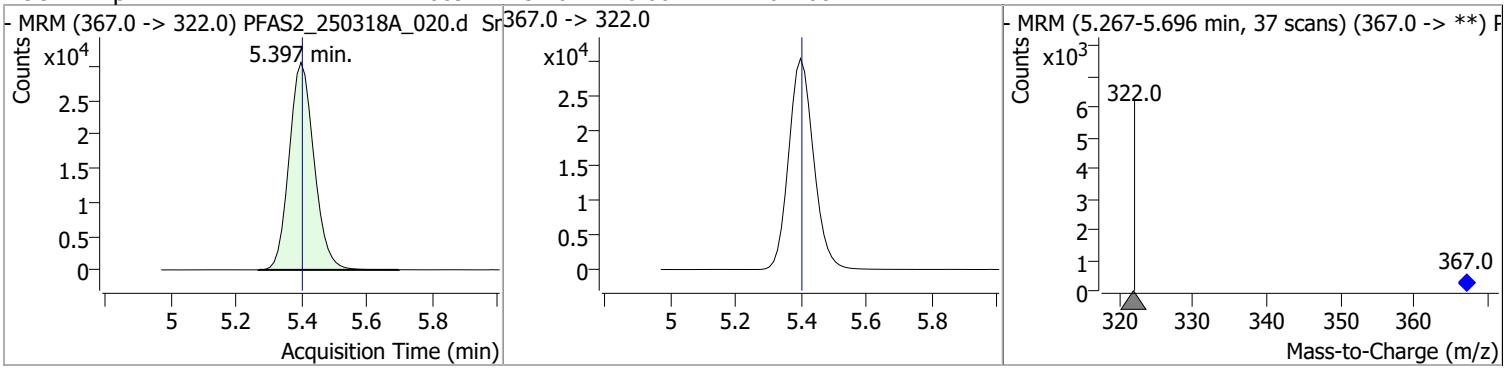
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



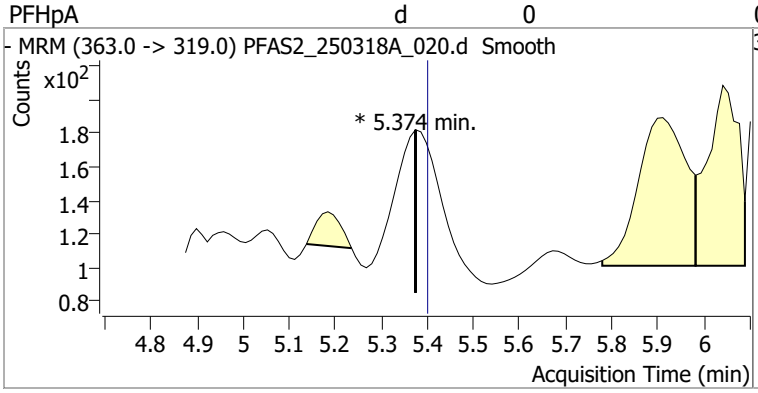
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

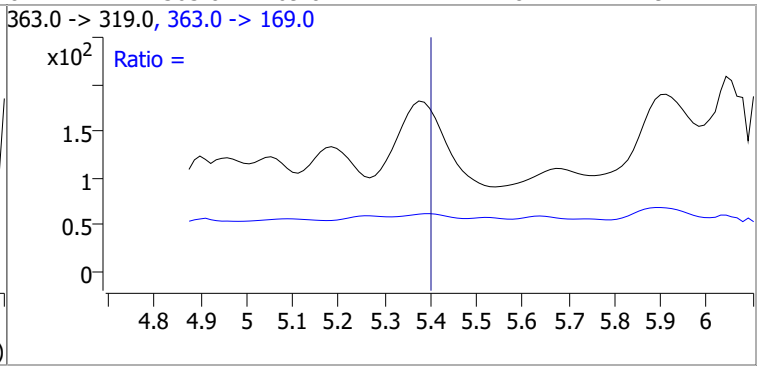


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4089	5.40	0.00	161408				

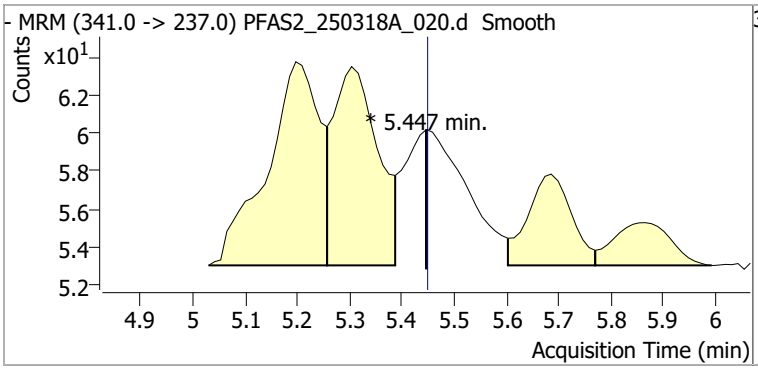


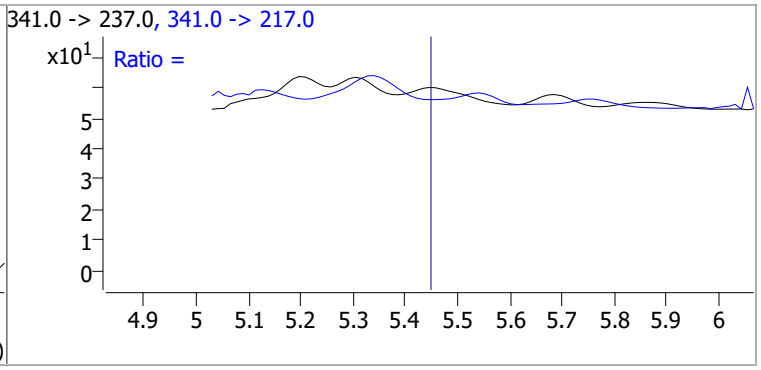
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



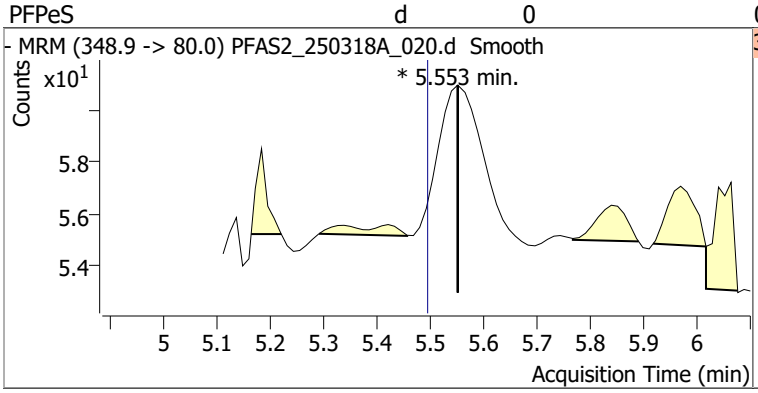


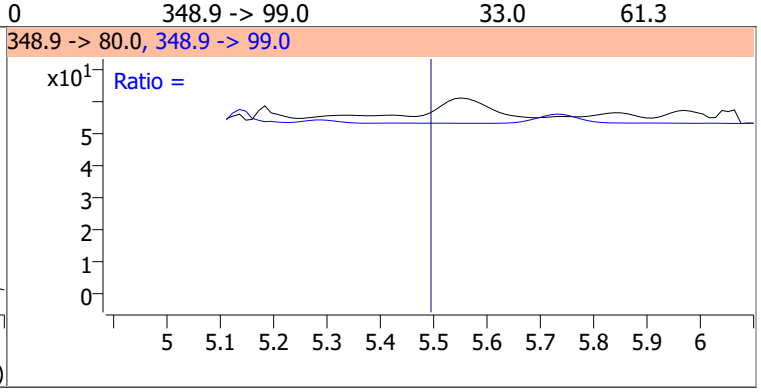
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



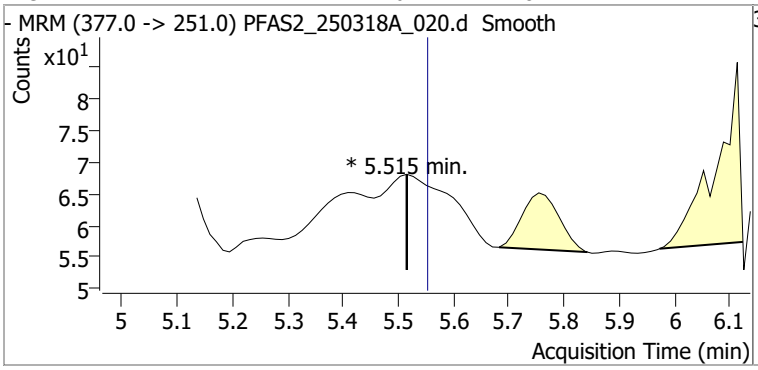


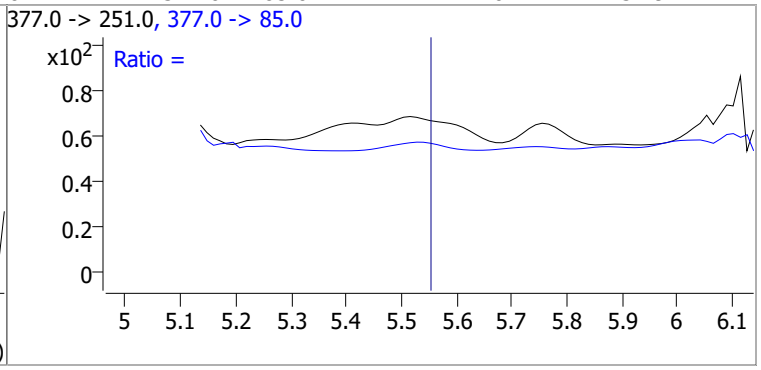
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



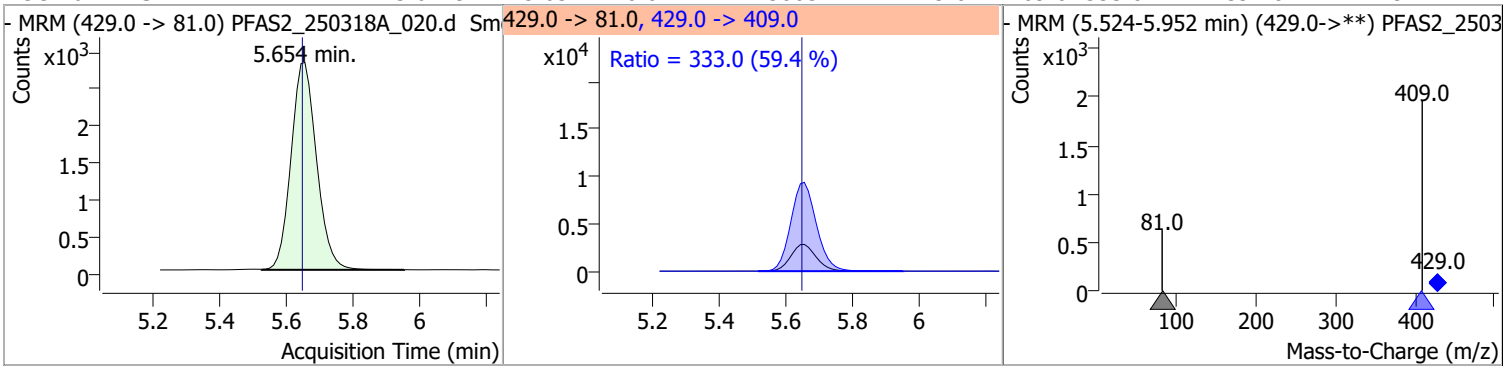


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

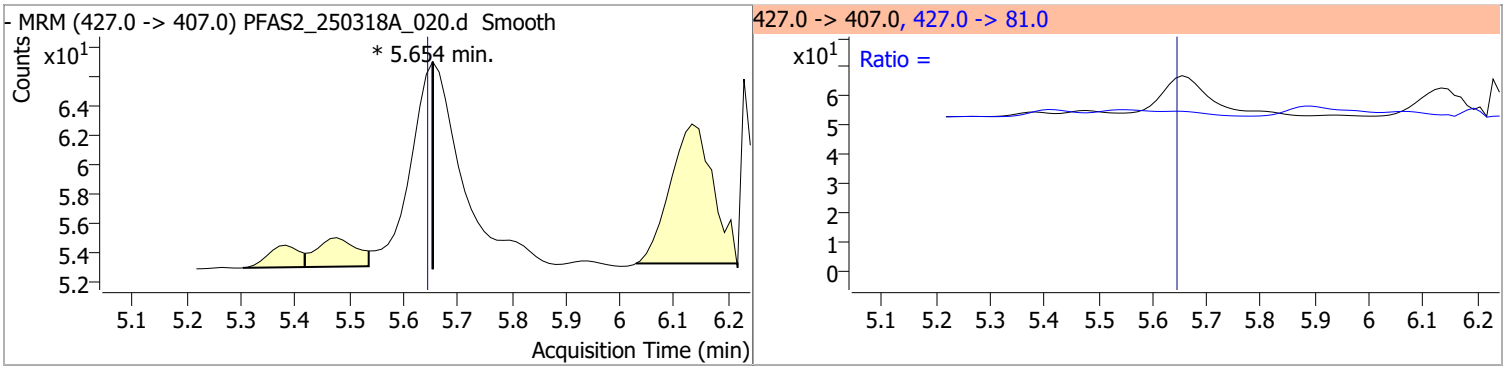




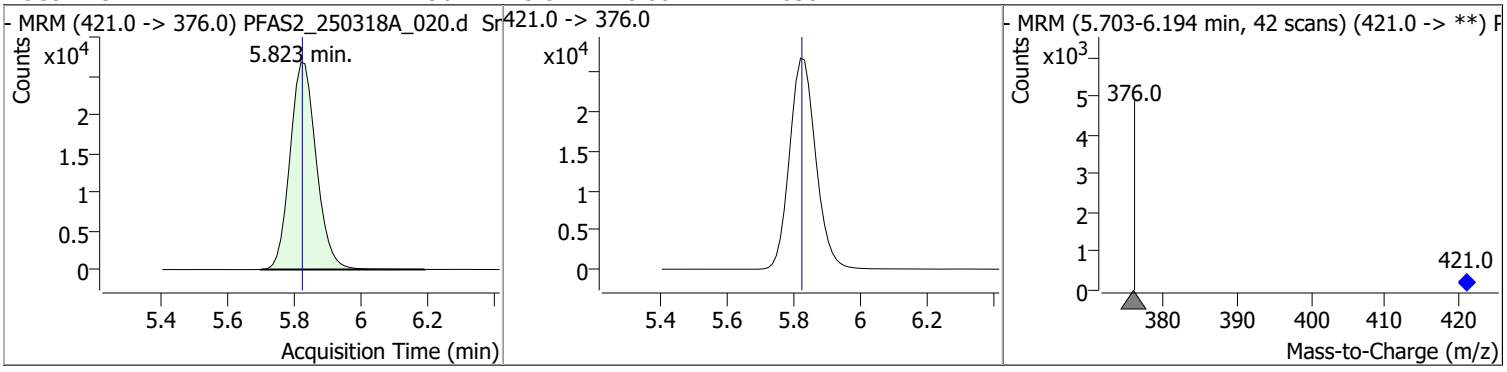
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6115	5.65	0.01	15003	429.0 -> 409.0	333.0	392.8	729.4



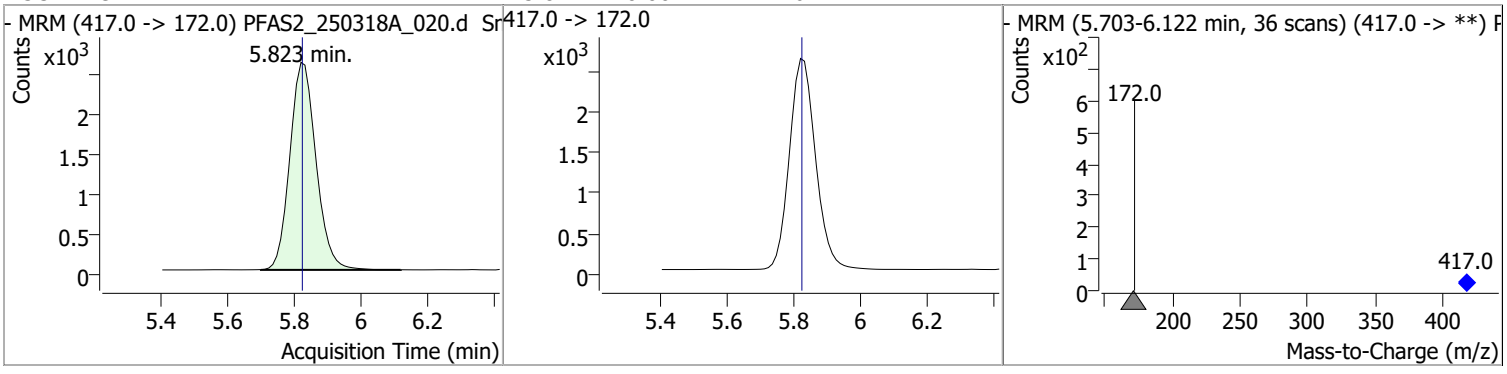
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



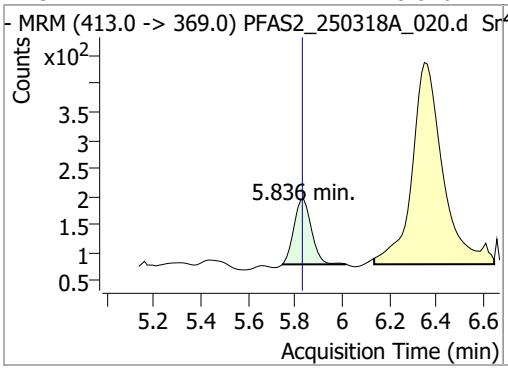
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2967	5.82	0.00	146507				

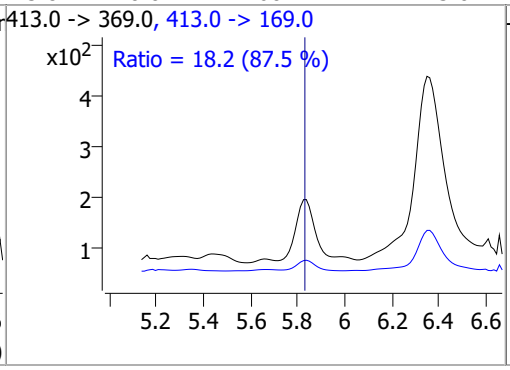


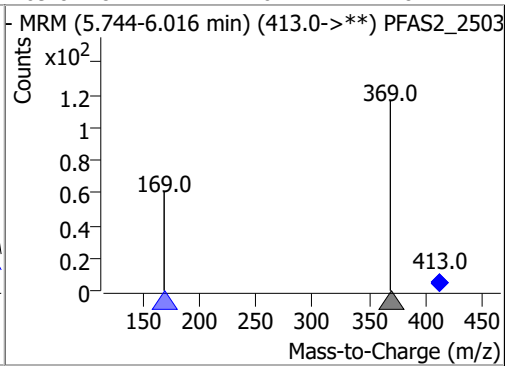
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14264				



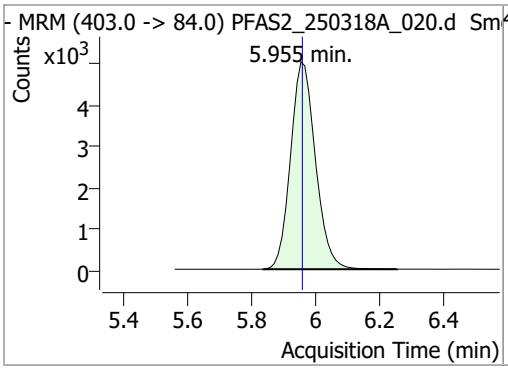
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0467	5.84	0.01	602	413.0 -> 169.0	18.2	14.6	27.0

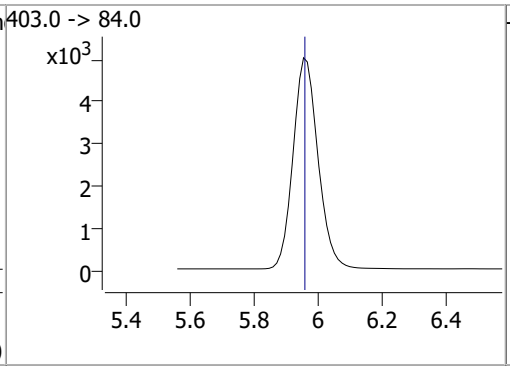


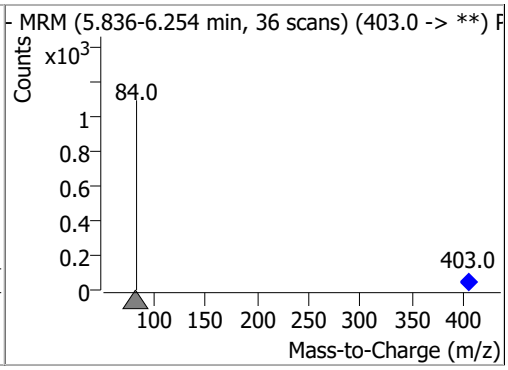




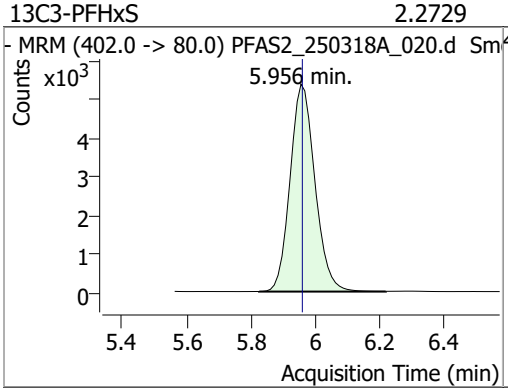
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26848				

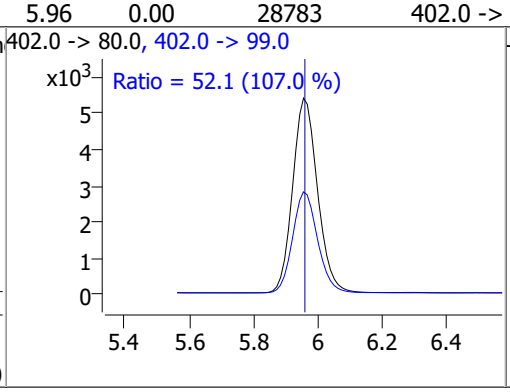


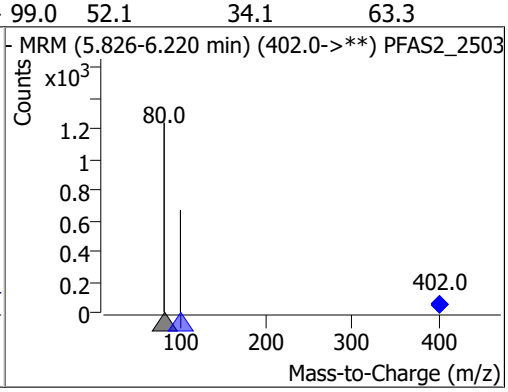




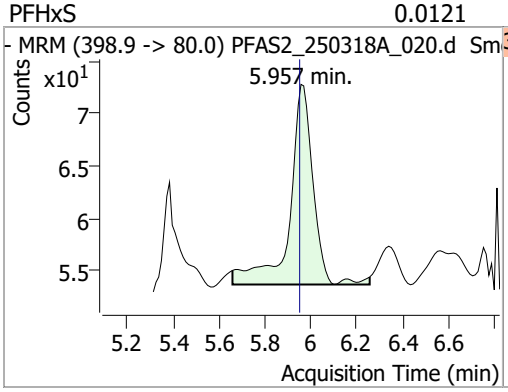
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2729	5.96	0.00	28783	402.0 -> 99.0	52.1	34.1	63.3

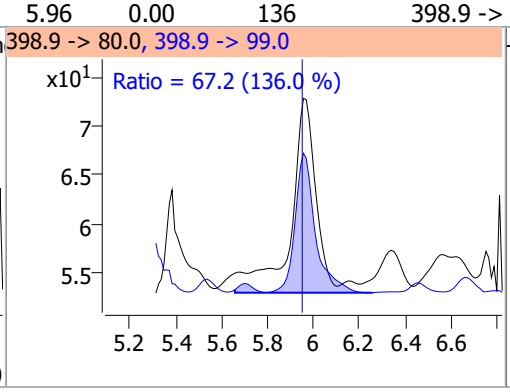


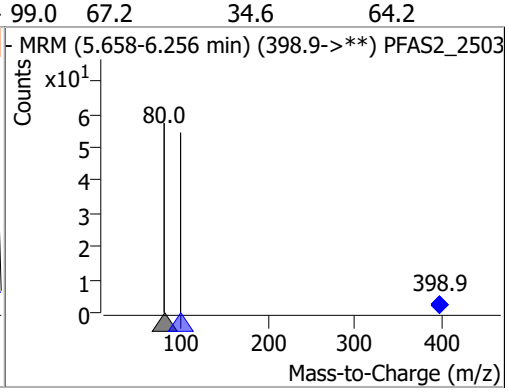




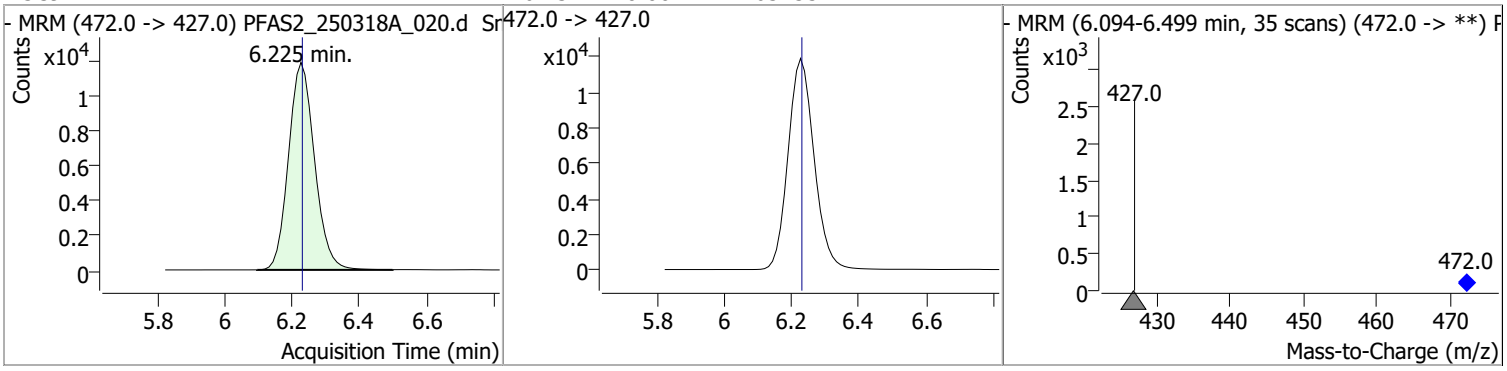
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0121	5.96	0.00	136	398.9 -> 99.0	67.2	34.6	64.2



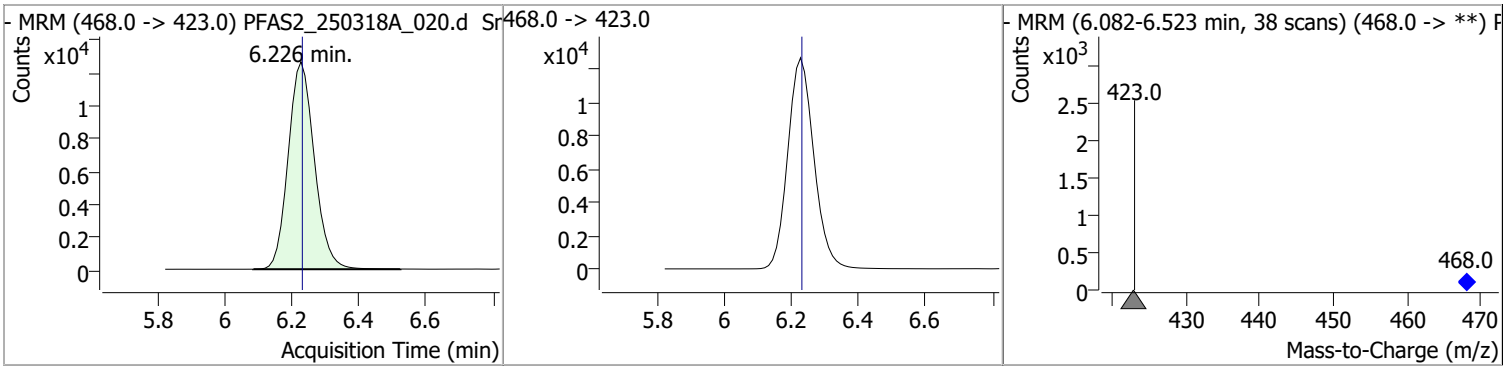




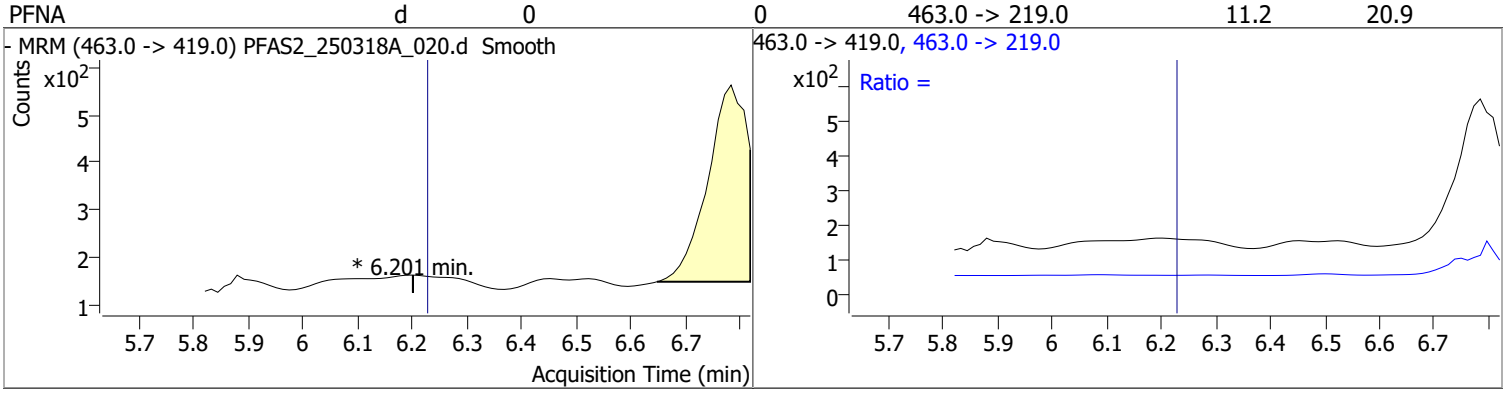
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1744	6.23	0.00	63755				



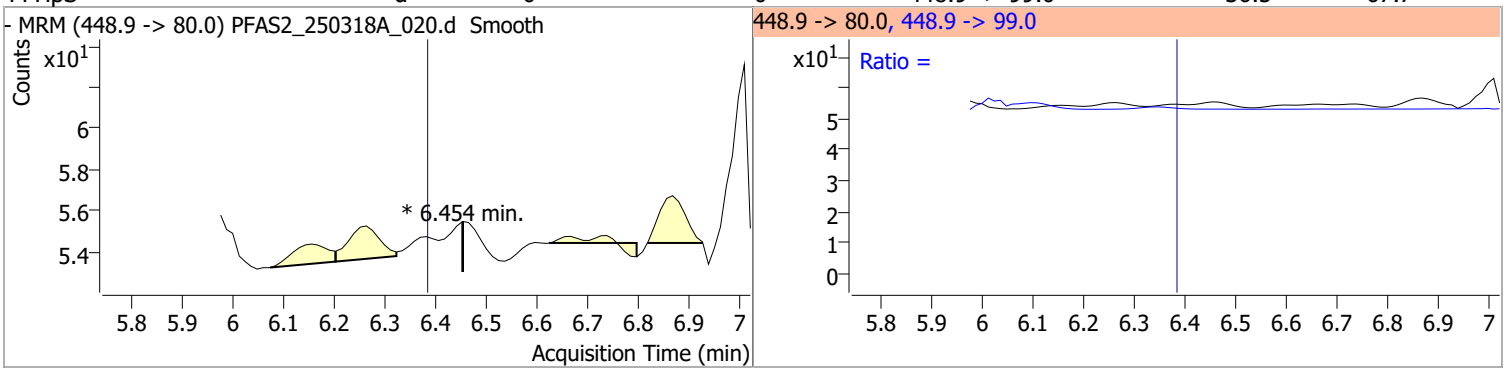
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68513				



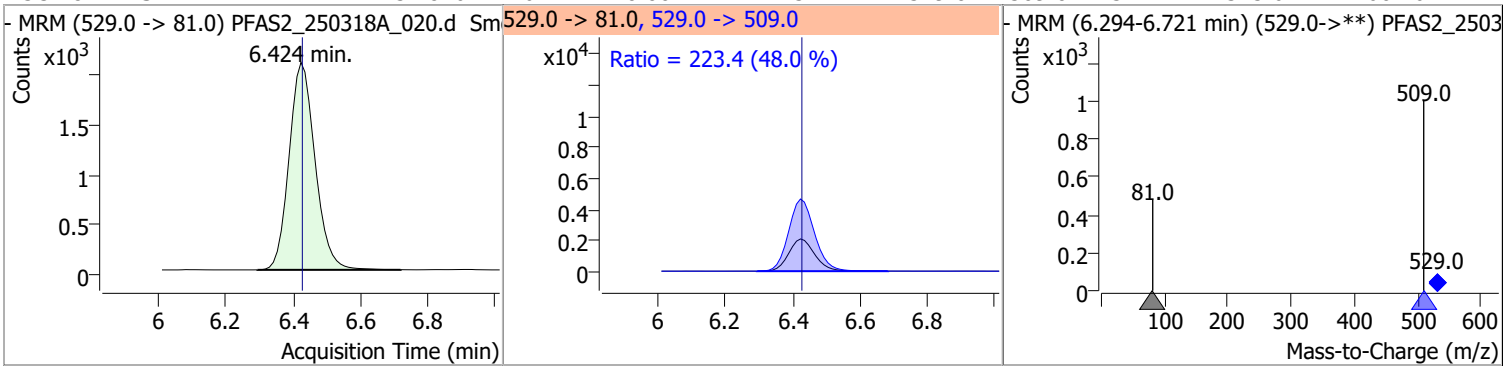
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



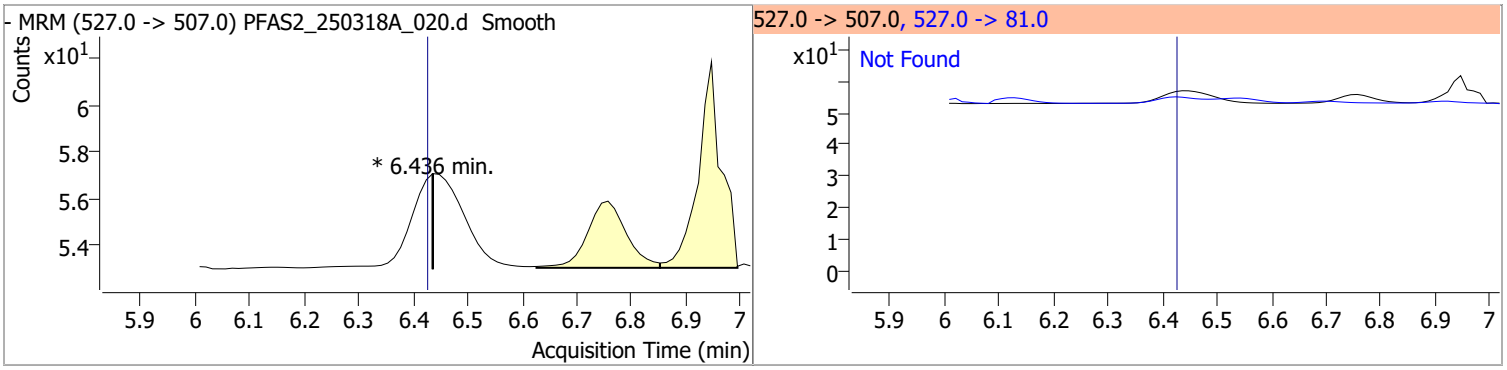
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



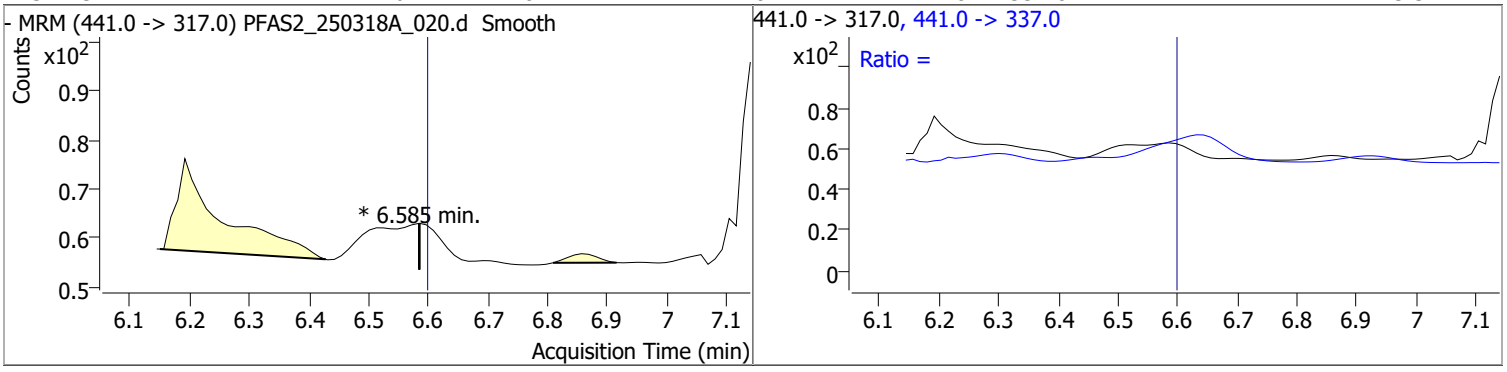
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1876	6.42	0.00	11151	529.0 -> 509.0	223.4	325.6	604.6



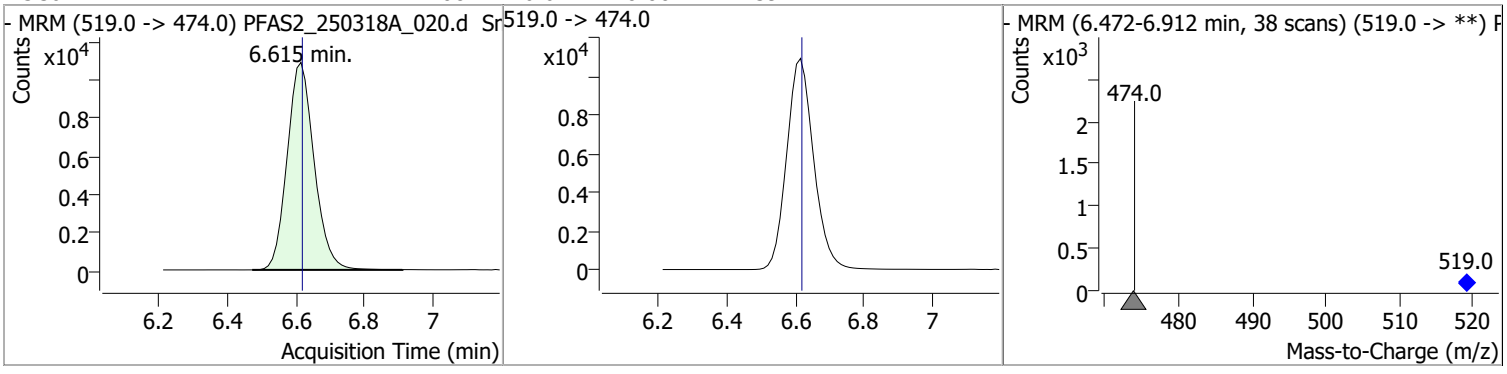
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



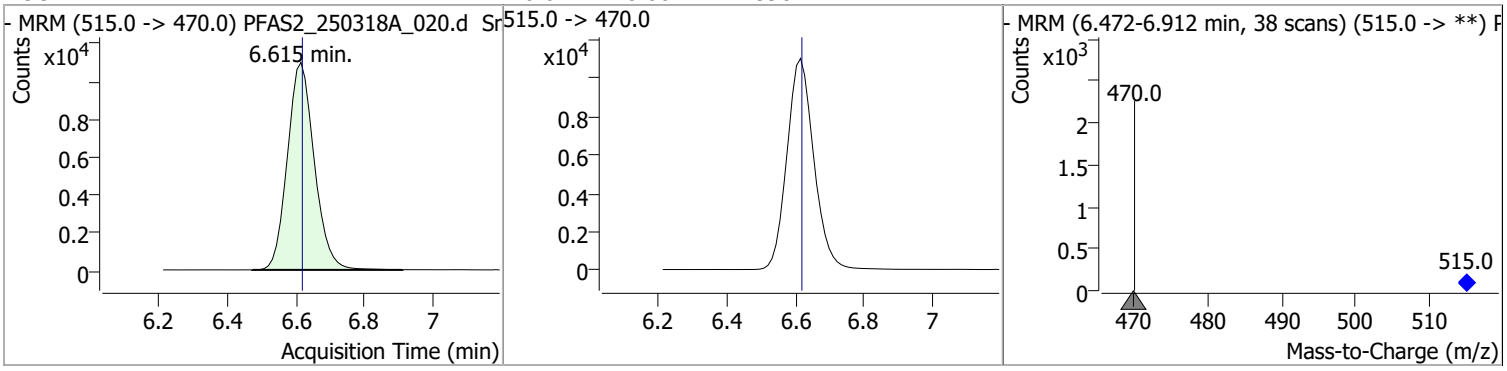
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



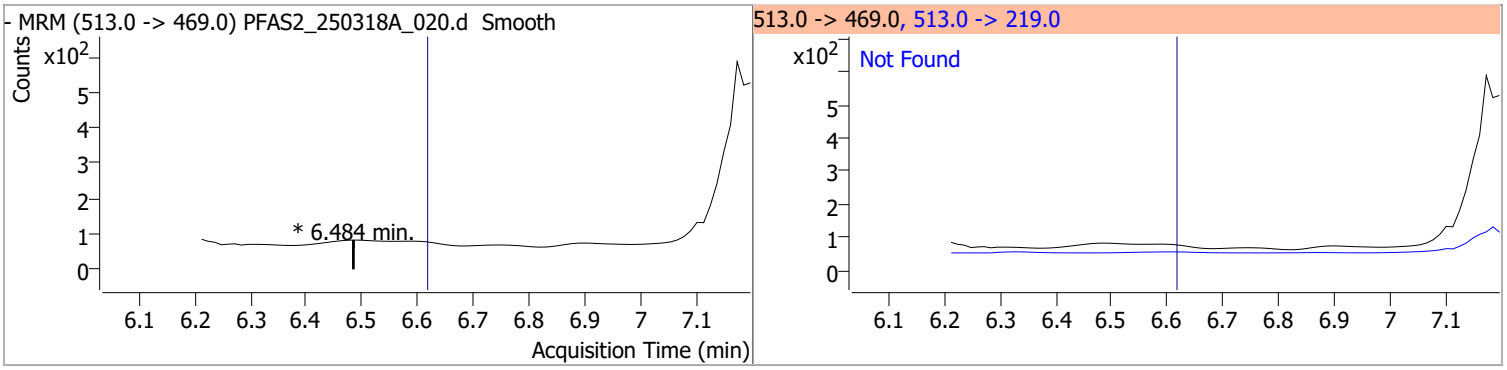
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2208	6.61	0.00	59447				



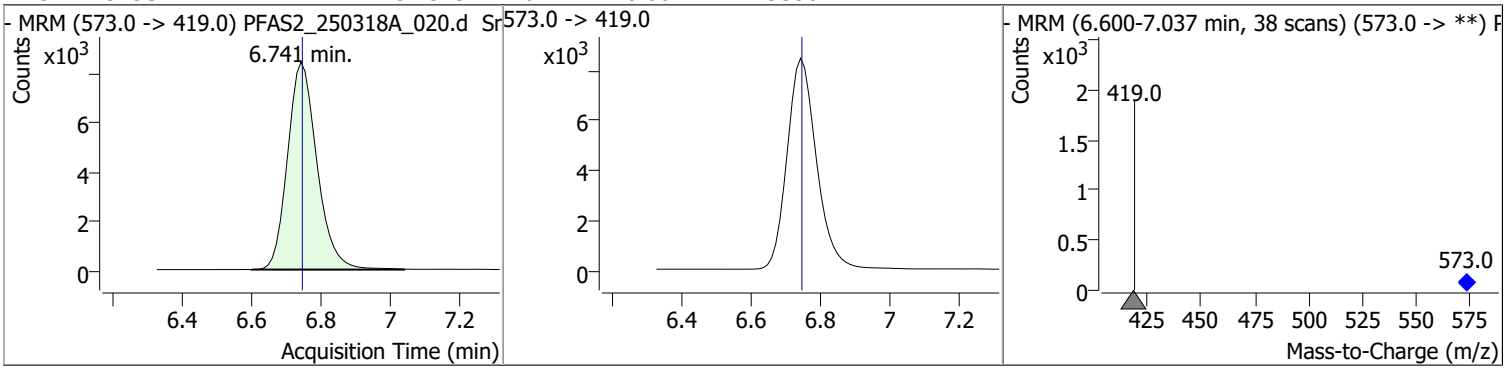
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	59842				



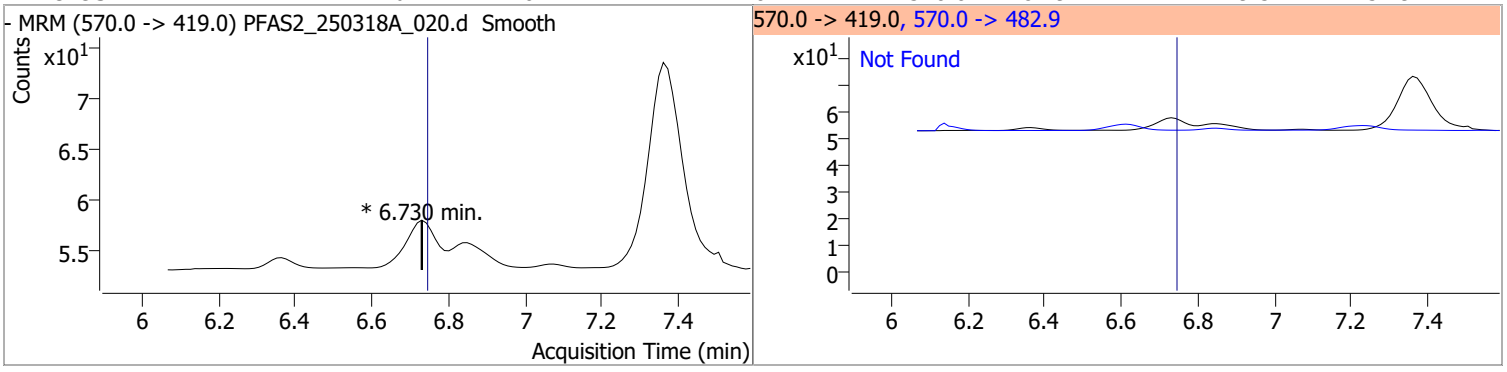
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



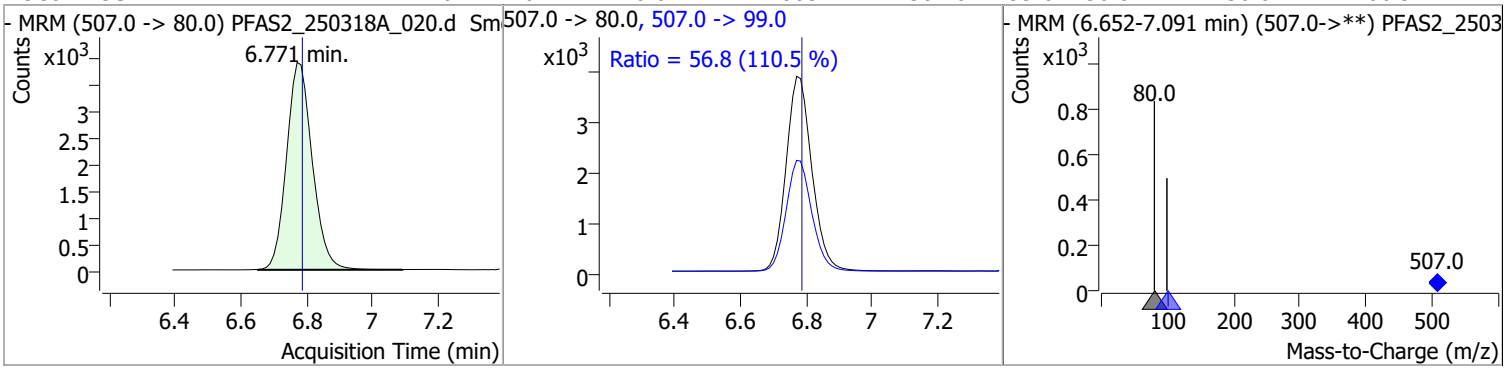
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1575	6.74	0.00	49358				



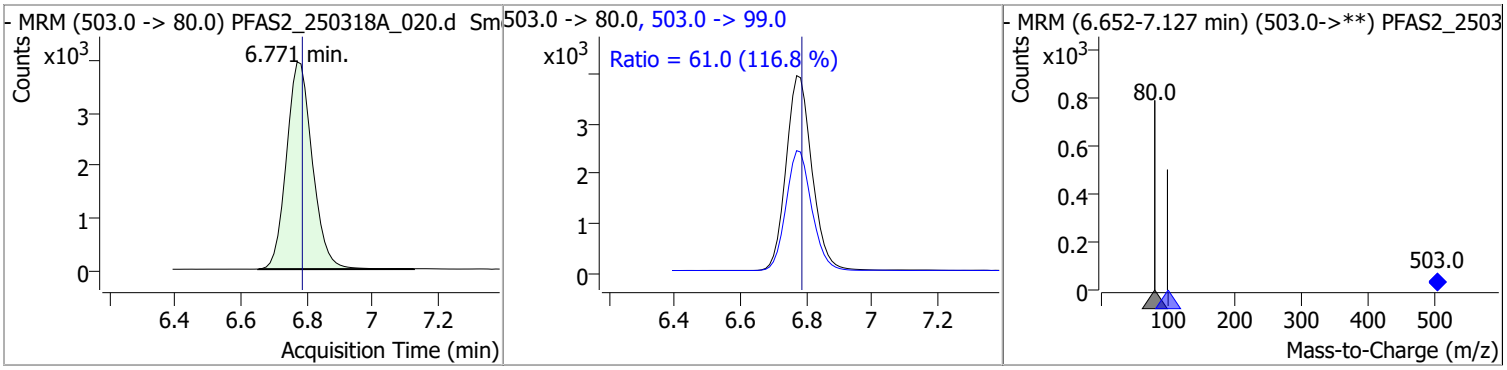
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



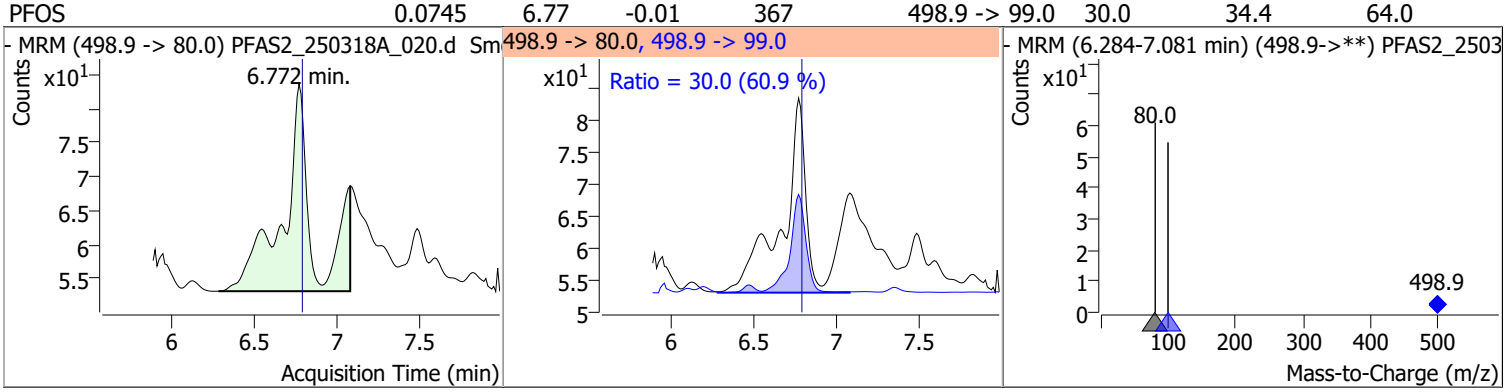
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4262	6.77	-0.01	21003	507.0 -> 99.0	56.8	36.0	66.9



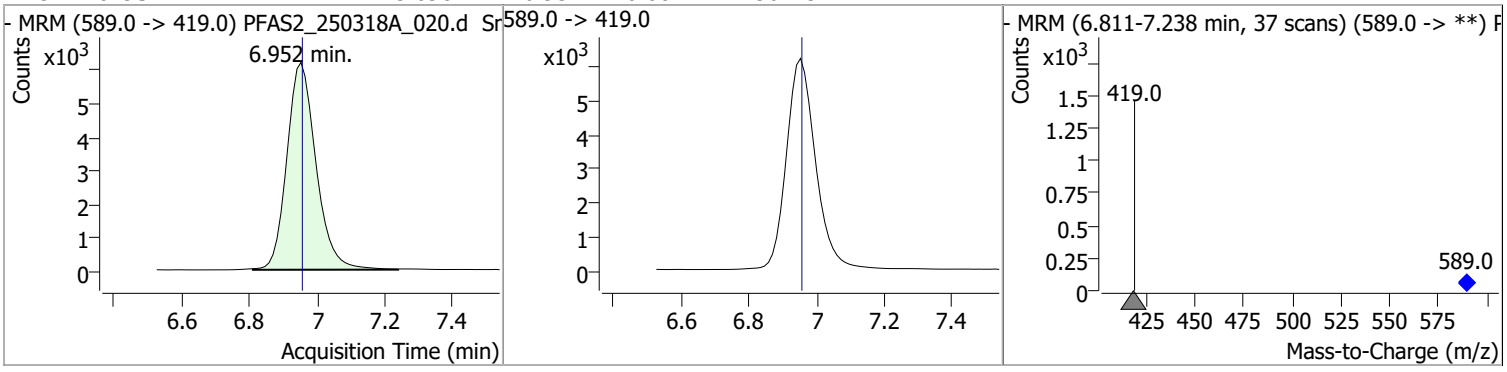
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21329	503.0 -> 99.0	61.0	36.6	67.9



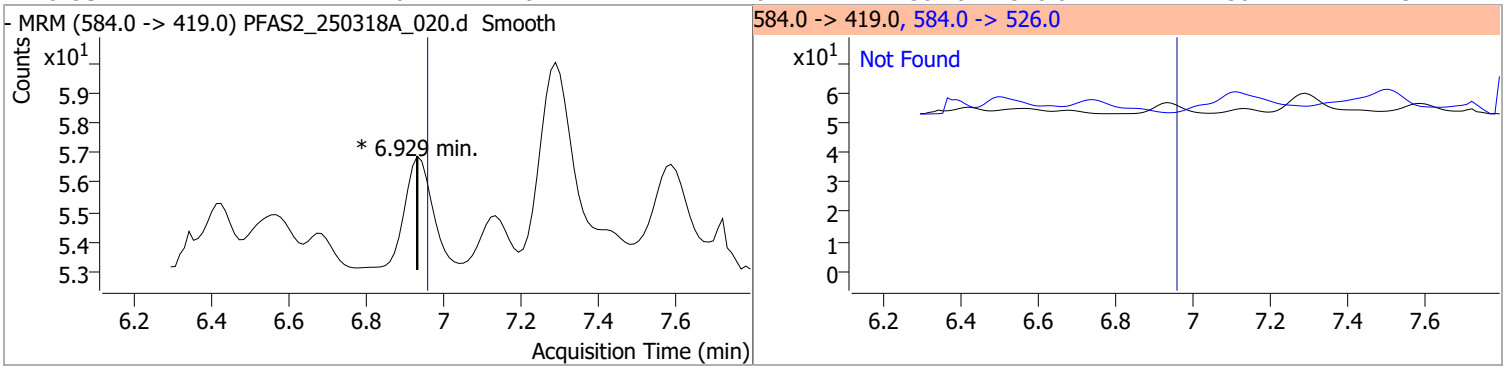
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0745	6.77	-0.01	367	498.9 -> 99.0	30.0	34.4	64.0



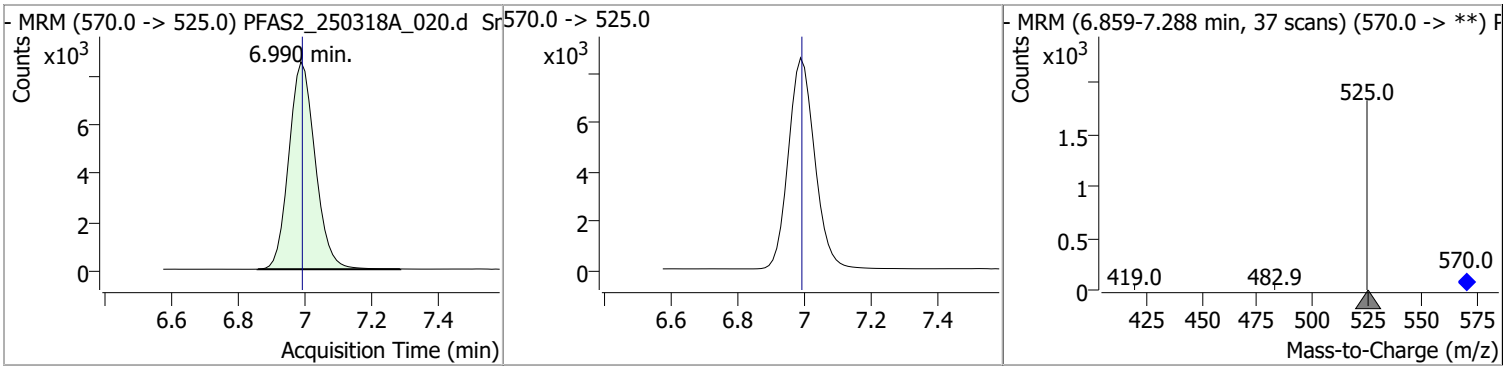
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0904	6.95	0.00	36779				



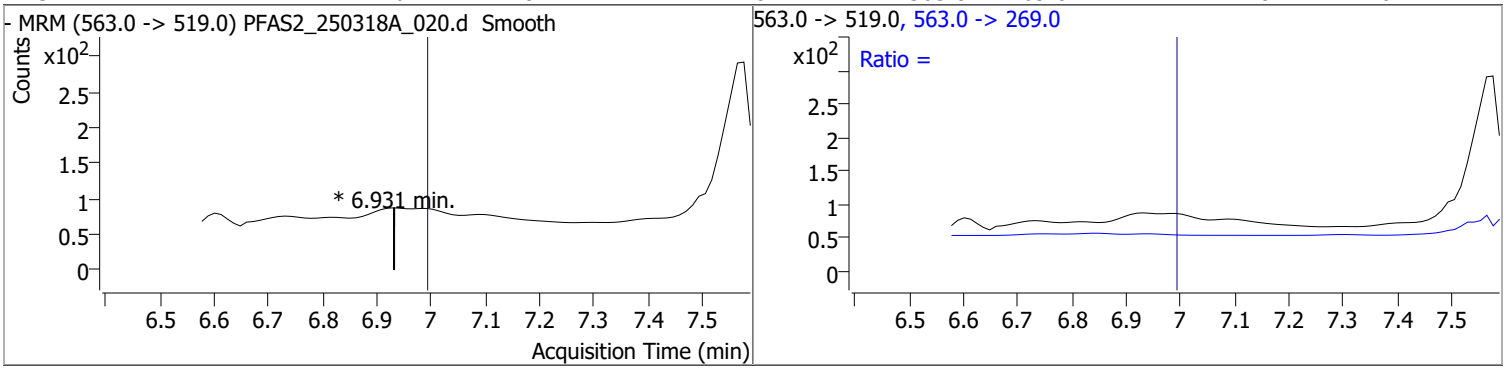
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



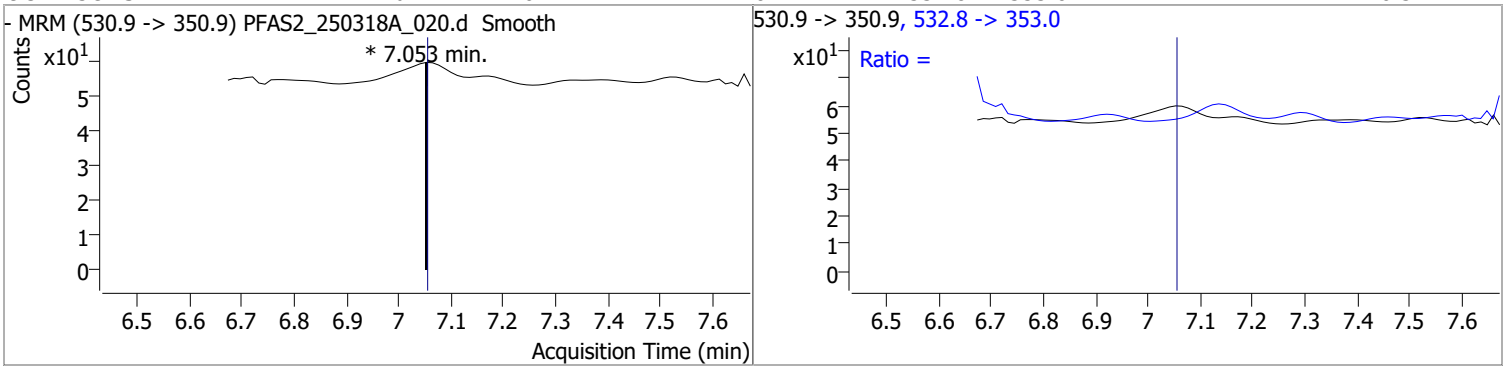
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2255	6.99	0.00	47032				



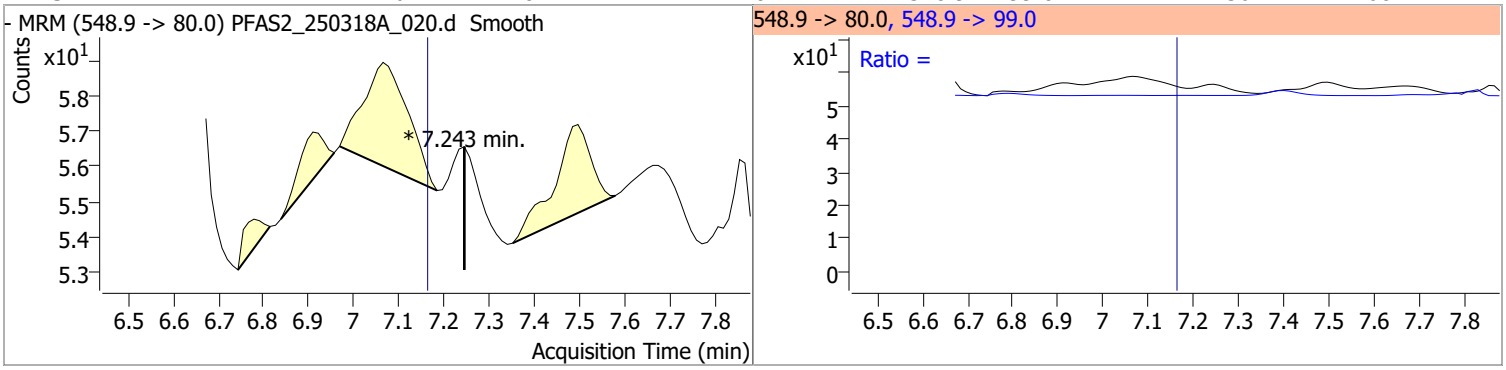
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



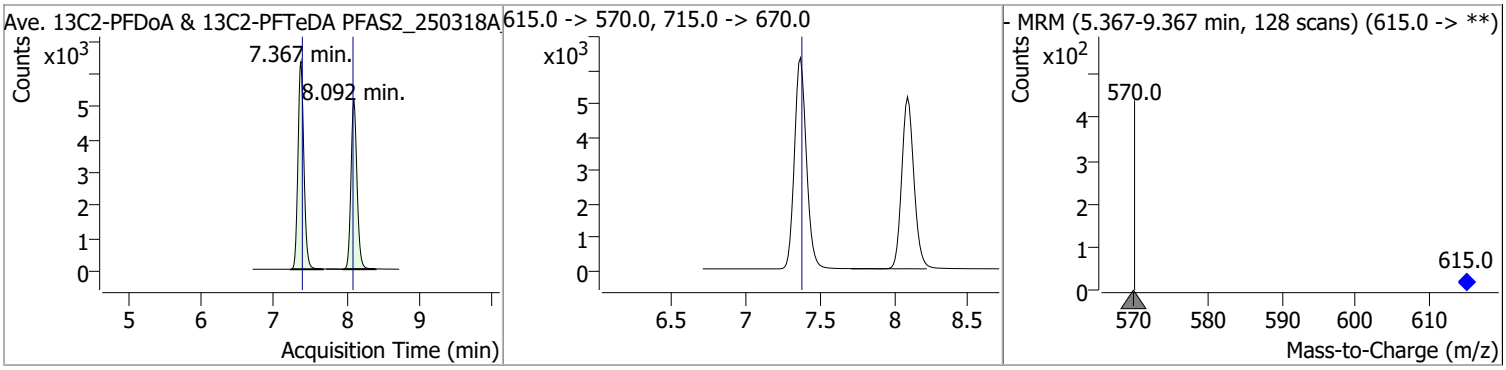
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



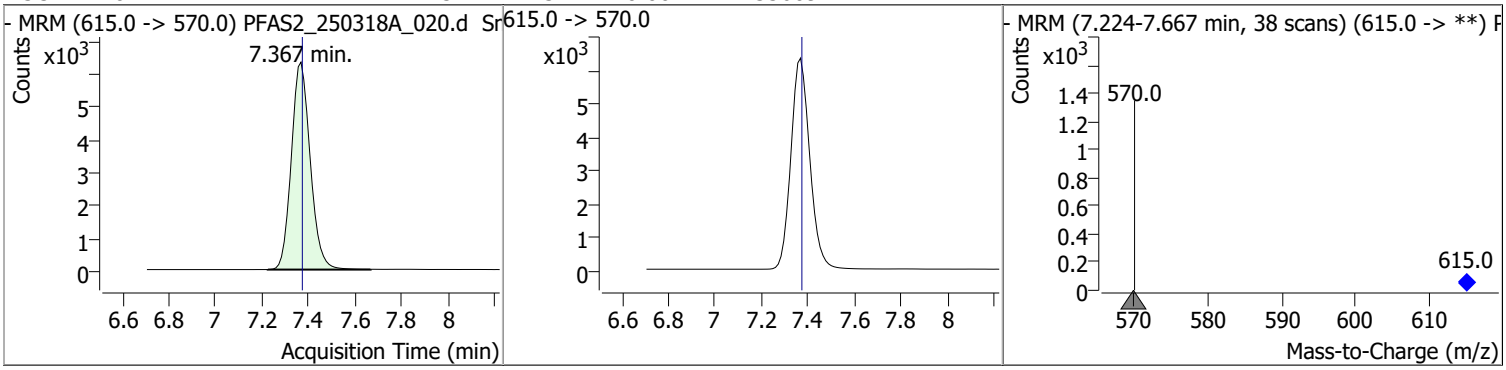
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



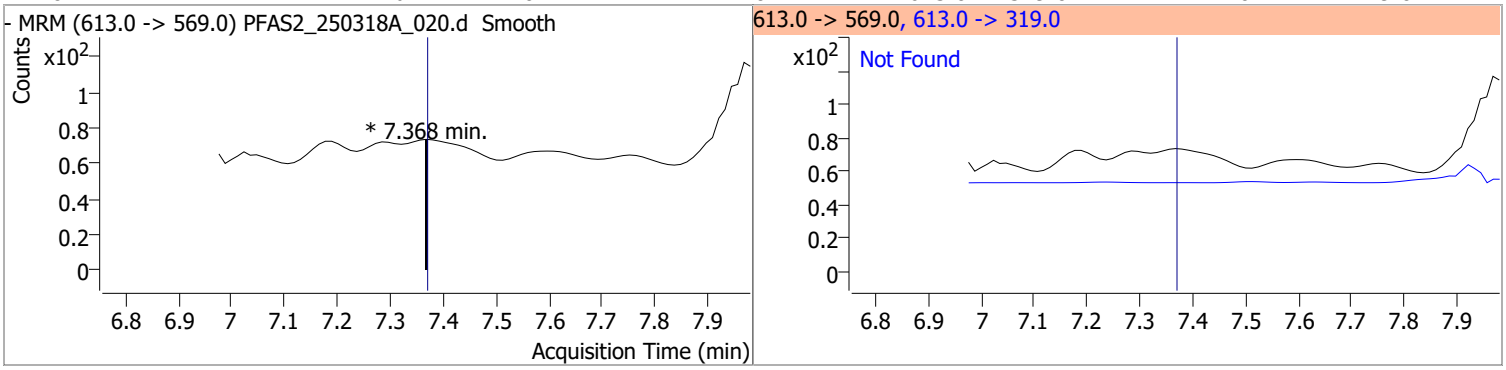
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0326	7.73	0.36	32664				



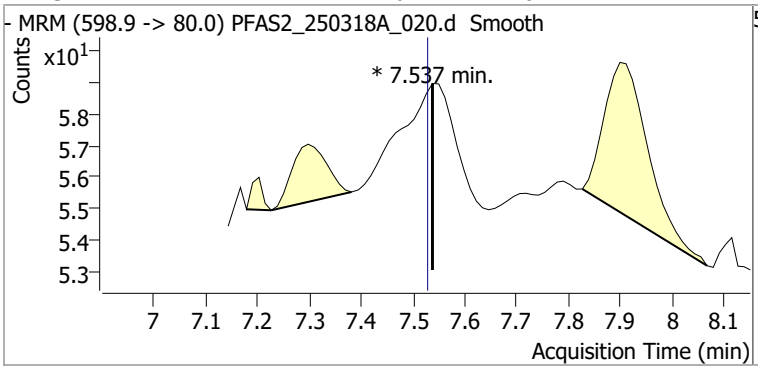
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2454	7.37	0.00	35609				

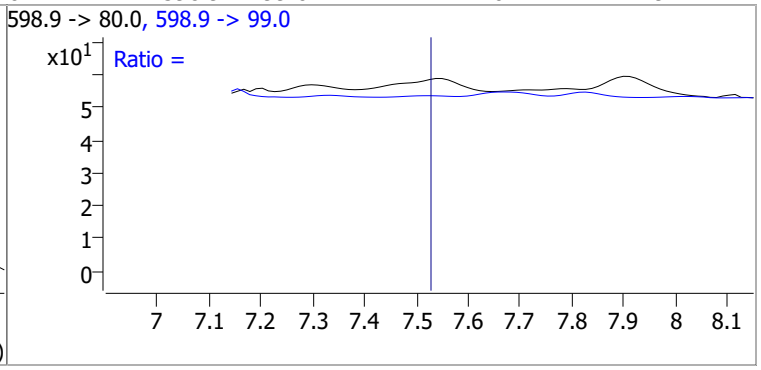


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

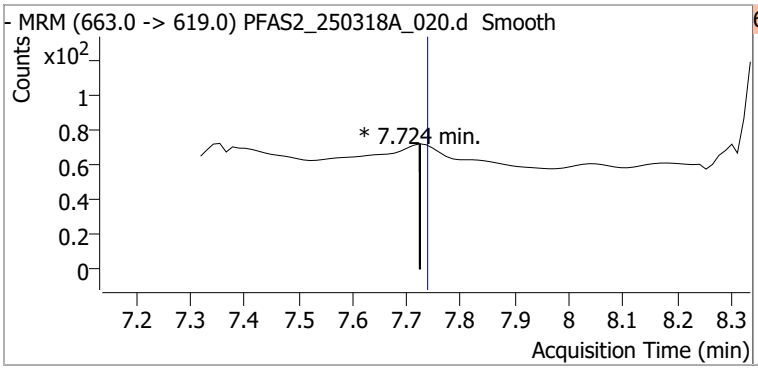


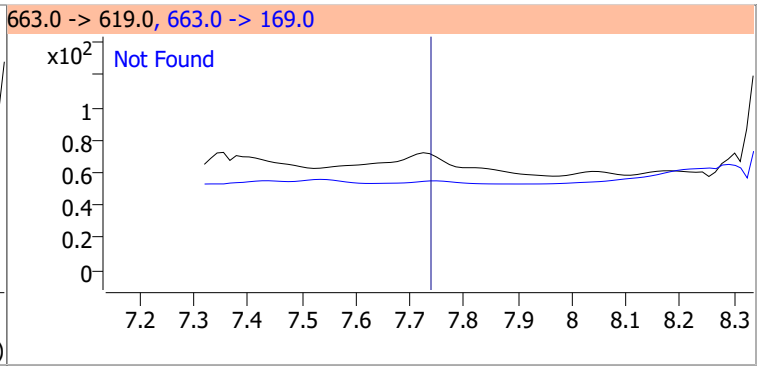
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



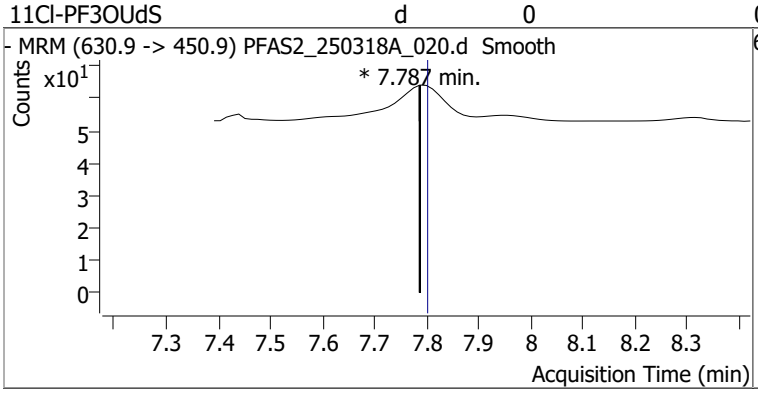


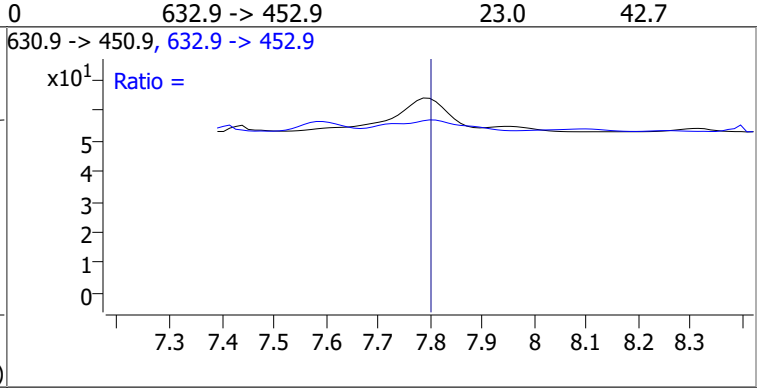
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



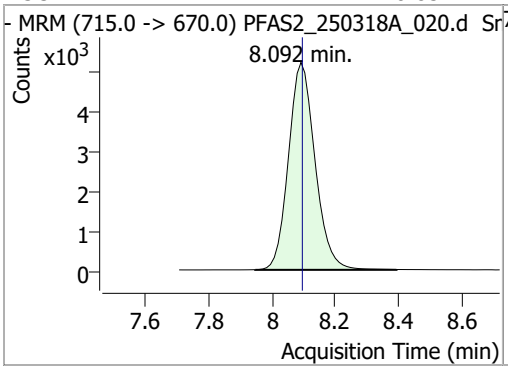


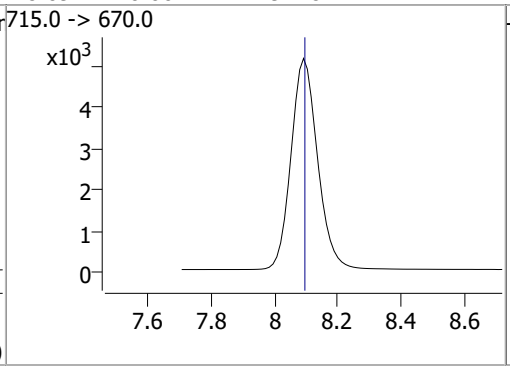
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

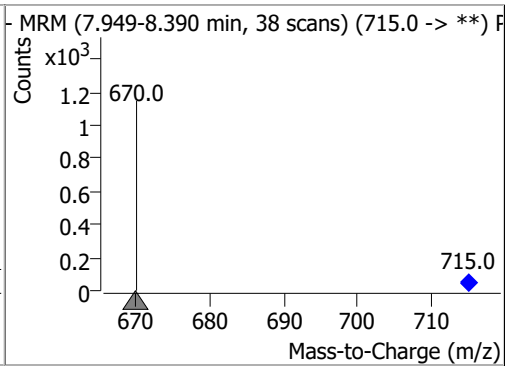




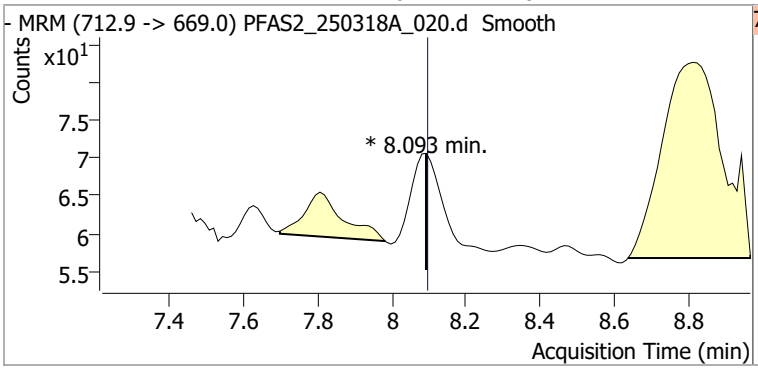
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8572	8.09	0.00	29718				

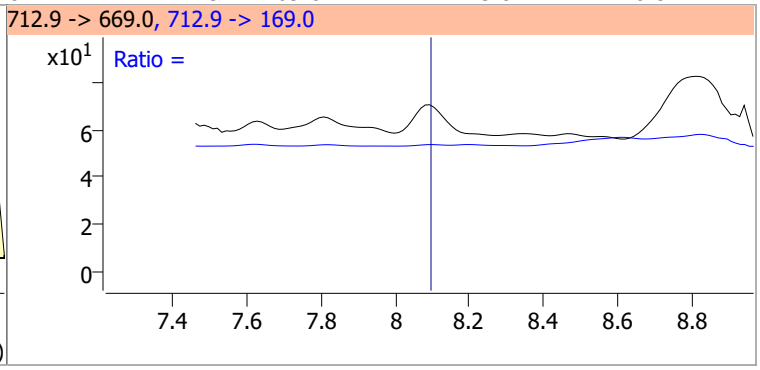




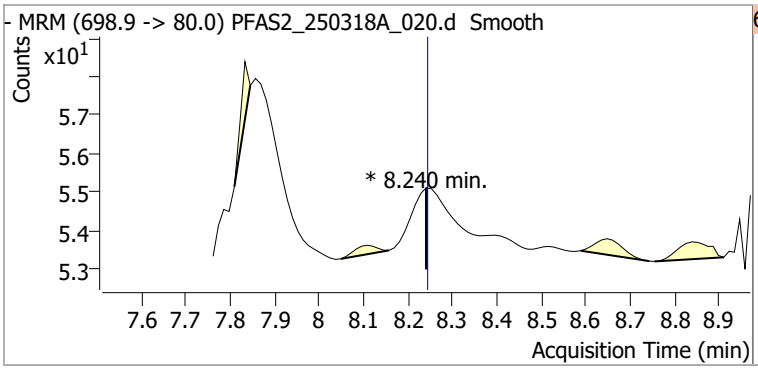


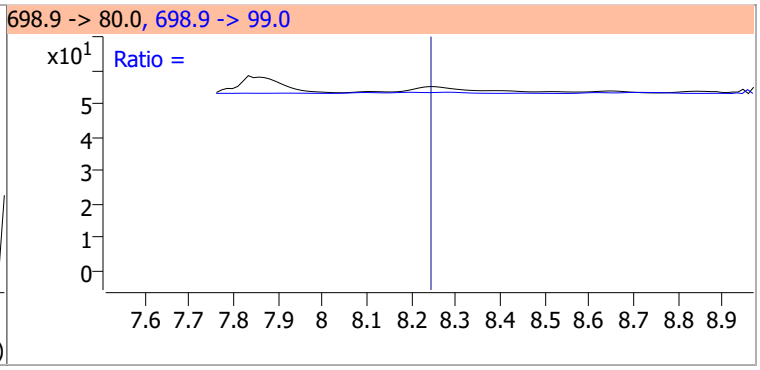
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



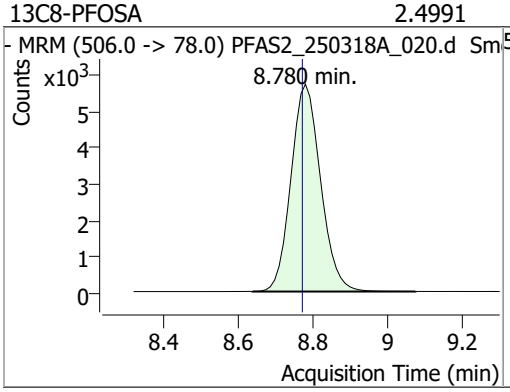


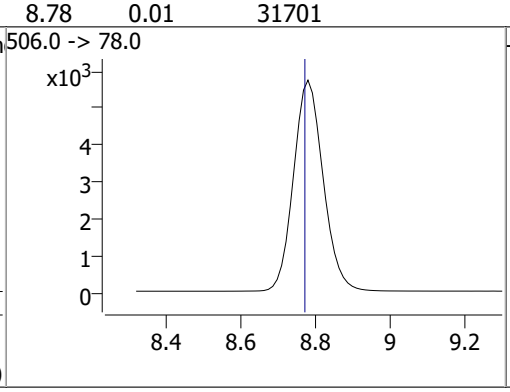
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

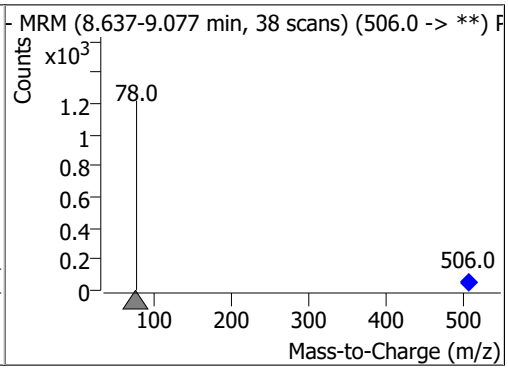




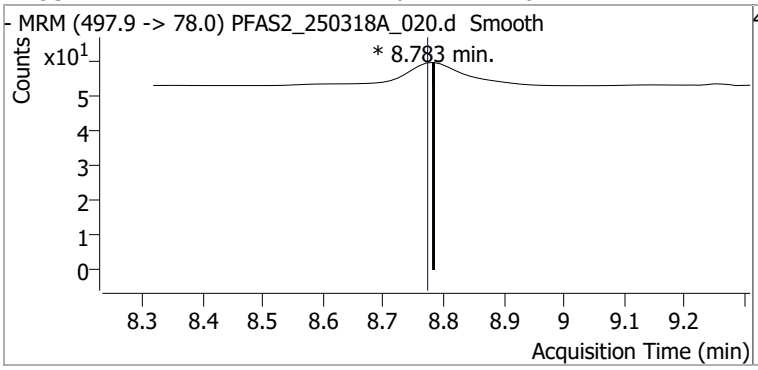
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4991	8.78	0.01	31701				

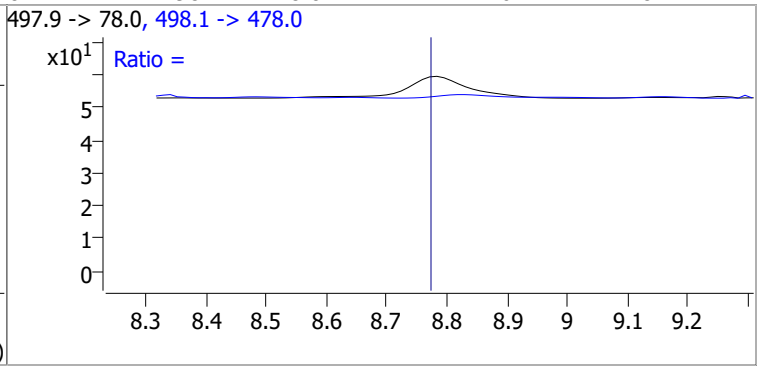




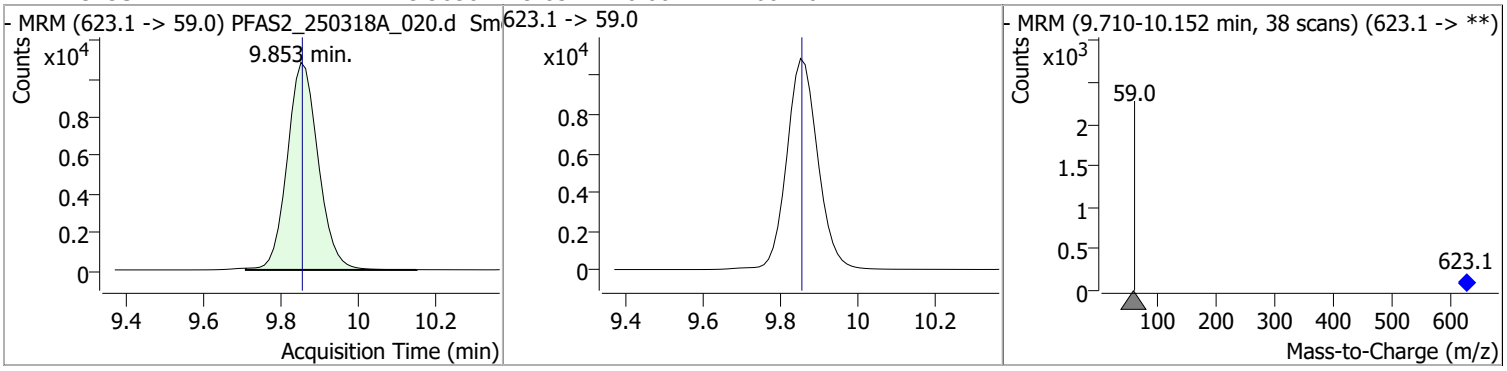


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

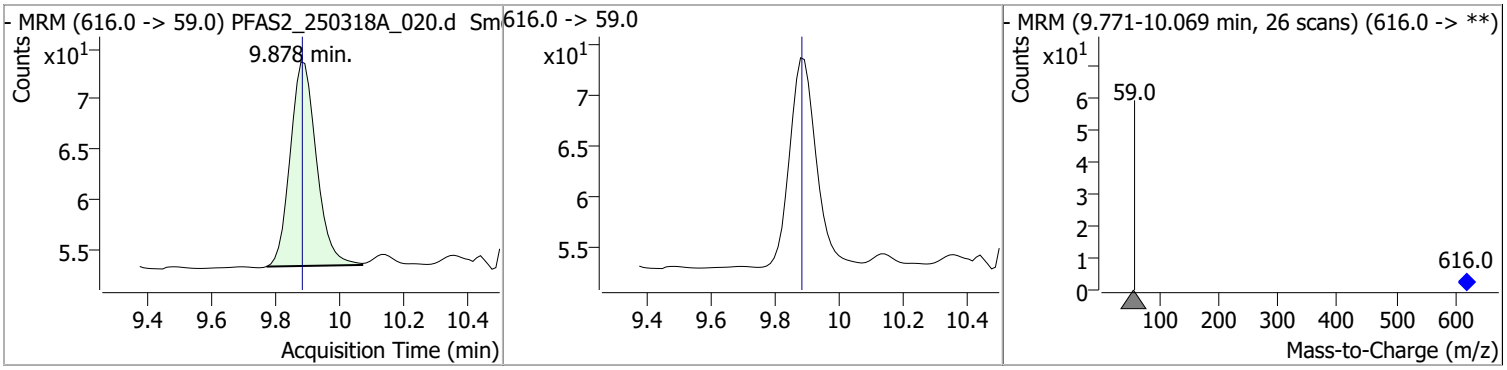




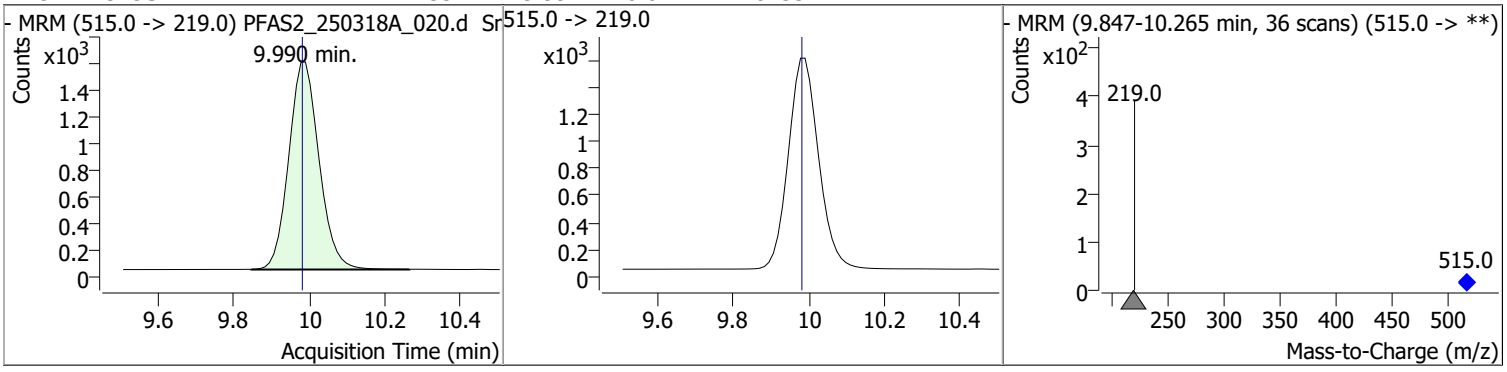
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.9858	9.85	0.00	60140				



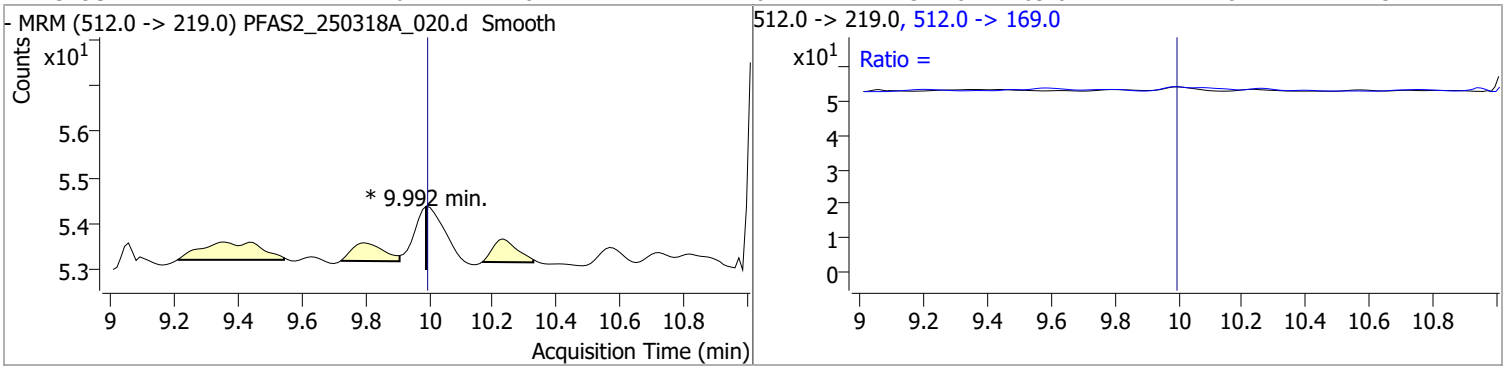
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0177	9.88	0.00	116				



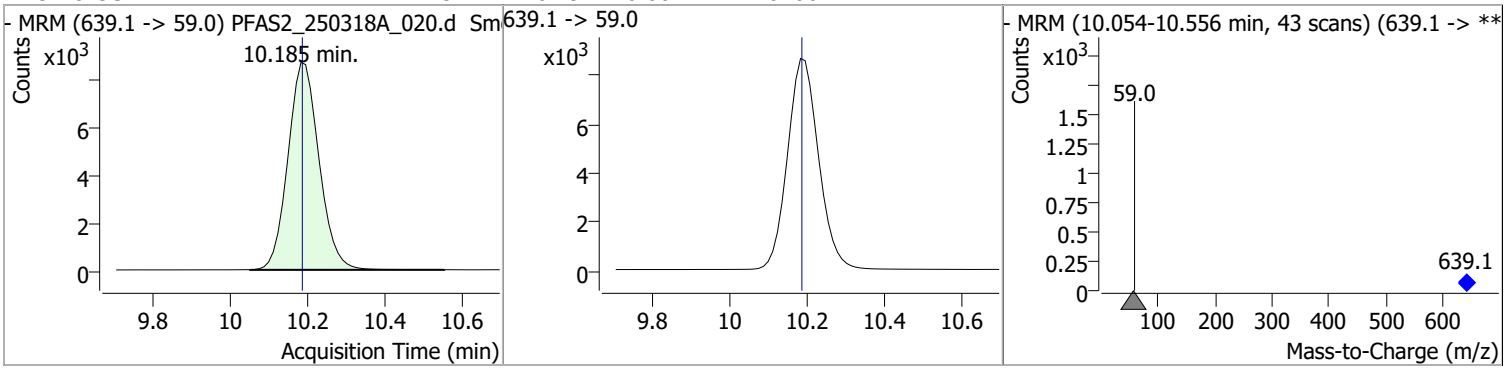
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4531	9.99	0.01	8733				



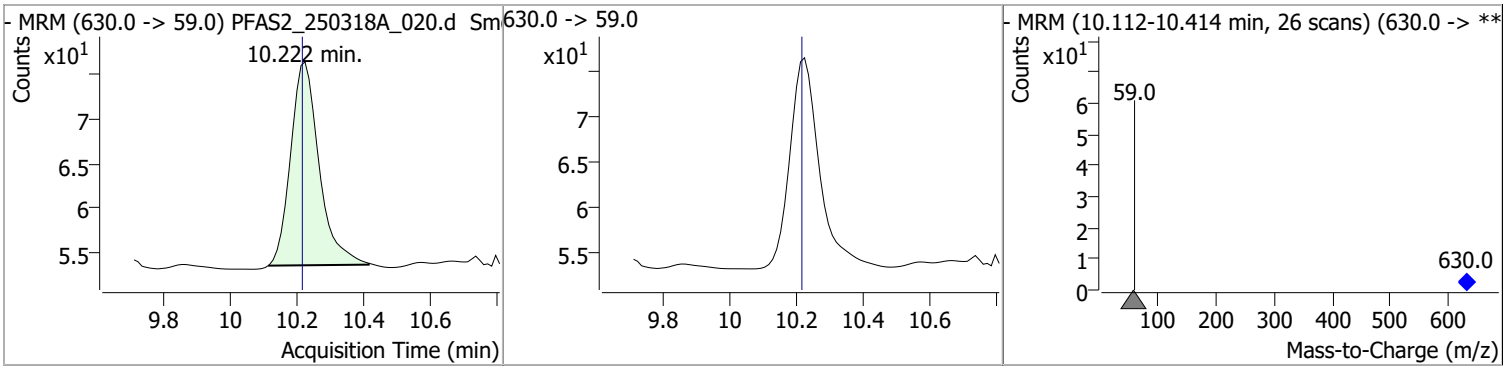
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



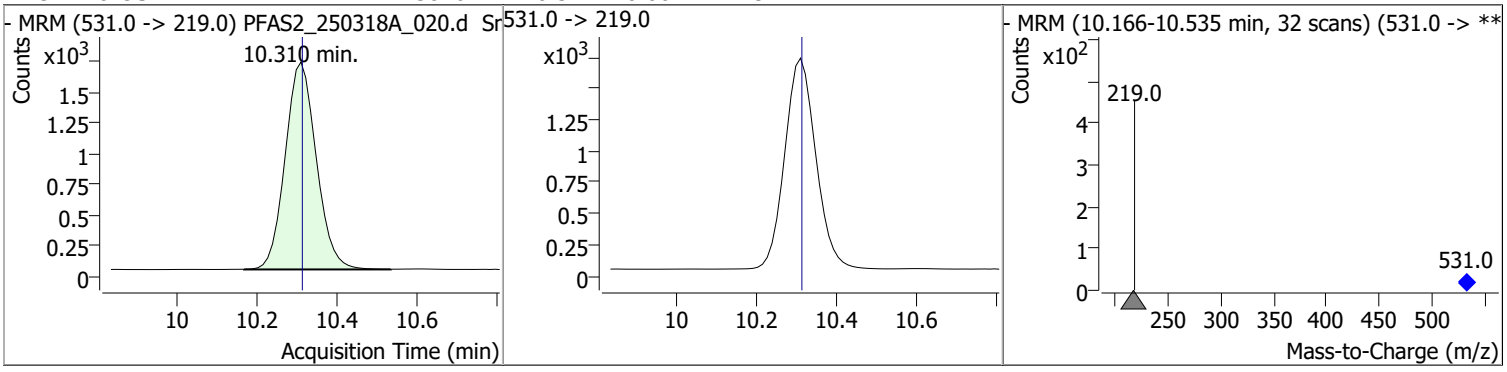
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1541	10.19	0.00	48208				



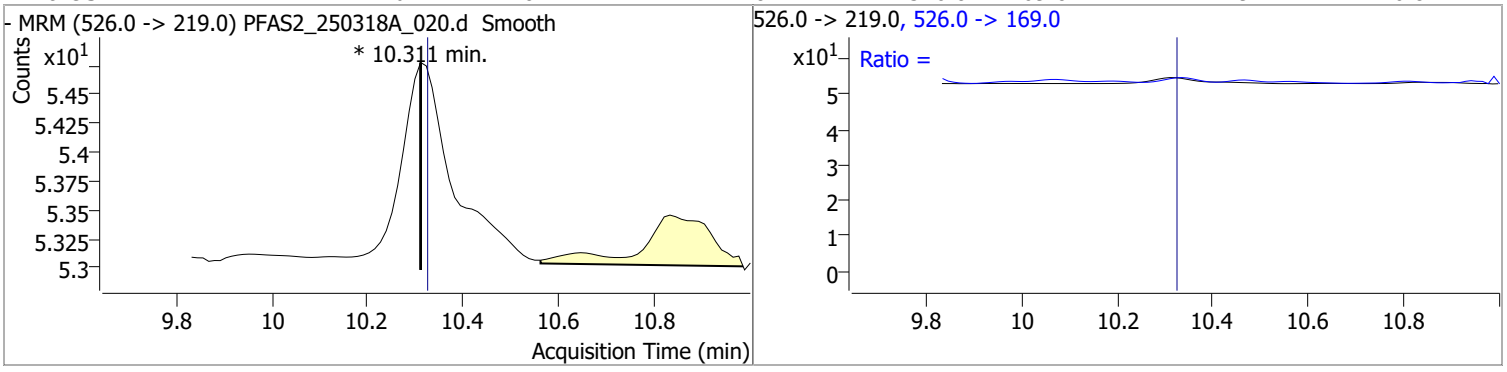
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0880	10.22	0.01	136				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3826	10.31	0.00	9171				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_020.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:57:04 PM
Sample Name	B25C0783-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

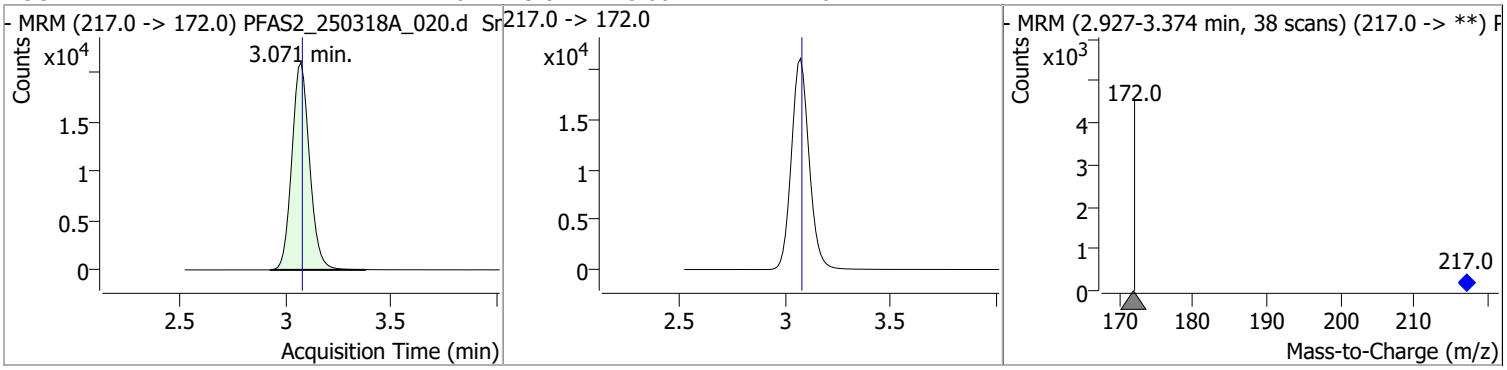
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	121666	5.0000	µg/L		-11.090
13C2-PFHxA	4.902	315.0 -> 270.0	136106	2.5000	µg/L		-11.288
18O2-PFHxS	5.955	403.0 -> 84.0	26848	2.5000	µg/L		-9.388
13C4-PFOA	5.823	417.0 -> 172.0	14264	2.5000	µg/L		-7.661
13C5-PFNA	6.226	468.0 -> 423.0	68513	1.2500	µg/L		-3.737
13C2-PFDA	6.615	515.0 -> 470.0	59842	1.2500	µg/L		-10.518
13C4-PFOS	6.771	503.0 -> 80.0	21329	2.5000	µg/L		-14.373
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	122276	10.0000	µg/L		-60.662
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.23%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27378	5.0000	µg/L	#	8.366
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.08%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C3-PFBS	4.929	302.0 -> 80.0	47913	2.5000	µg/L		-21.096
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.17%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	150589	10.0000	µg/L		-13.836
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.12%			
13C4-PFHpA	5.397	367.0 -> 322.0	161408	2.5000	µg/L		-14.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.36%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15003	5.0000	µg/L	#	1.584
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.23%			
13C8-PFOA	5.823	421.0 -> 376.0	146507	2.5000	µg/L		-15.187
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C9-PFNA	6.225	472.0 -> 427.0	63755	1.2500	µg/L		-9.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11151	5.0000	µg/L	#	-5.866
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.75%			
13C6-PFDA	6.615	519.0 -> 474.0	59447	1.2500	µg/L		-12.526
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.66%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	49358	5.0000	µg/L		-11.575
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36779	5.0000	µg/L		-12.782
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.81%			
13C7-PFUnDA	6.990	570.0 -> 525.0	47032	1.2500	µg/L		-12.259
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	32664	1.2500	µg/L		-25.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	35609	1.2500	µg/L		-10.855
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFTDA	8.092	715.0 -> 670.0	29718	1.2500	µg/L		-38.453
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.57%			
13C8-PFOSA	8.780	506.0 -> 78.0	31701	2.5000	µg/L		-14.232
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60140	25.0000	µg/L		-52.134
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 55.94%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8733	2.5000	µg/L		-15.782
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%			
2H9-EtFOSE	10.185	639.1 -> 59.0	48208	25.0000	µg/L		-24.093
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.62%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9171	2.5000	µg/L		-18.404
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	205	0.1002	µg/L		100
PFMPA	3.614	229.0 -> 85.0	24	0.0565	µg/L		100
3-3 FTCA	3.877	241.0 -> 177.0	15	0.0000	µg/L		21
PFPeA	4.235	263.0 -> 219.0	943	0.0548	µg/L	#	99
PFMBA	4.491	279.0 -> 85.0	18	0.0344	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	31	0.0019	µg/L		41
NFDHA	4.823	295.0 -> 201.0	13	0.0129	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	300	0.0062	µg/L		89
PFBS	5.049	298.9 -> 80.0	46	0.0023	µg/L		93
HFPO-DA	5.098	285.0 -> 169.0	70	0.0052	µg/L	#	1
PFEESA	5.212	314.9 -> 135.0	25	0.0519	µg/L	#	89
PFHpA	5.374	363.0 -> 319.0	432	0.0282	µg/L	#	81
5-3 FTCA	5.447	341.0 -> 237.0	60	0.1927	µg/L	#	61
PFPeS	5.553	348.9 -> 80.0	33	0.0021	µg/L		30
DONA	5.515	377.0 -> 251.0	148	0.0691	µg/L	#	66
6-2 FTSA	5.654	427.0 -> 407.0	90	0.1185	µg/L		50
PFOA	5.836	413.0 -> 369.0	602	0.0467	µg/L		94
PFHxS	5.957	398.9 -> 80.0	136	0.0121	µg/L	#	74
PFNA	6.201	463.0 -> 419.0	201	0.0108	µg/L	#	67
PFHpS	6.454	448.9 -> 80.0	8	0.0009	µg/L		26
8-2 FTSA	6.436	527.0 -> 507.0	26	0.0775	µg/L		47
7-3 FTCA	6.585	441.0 -> 317.0	70	0.2690	µg/L	#	66
PFDA	6.484	513.0 -> 469.0	143	0.0001	µg/L		68
N-MeFOSAA	6.730	570.0 -> 419.0	42	0.0129	µg/L		33
PFOS	6.772	498.9 -> 80.0	367	0.0745	µg/L	#	72
N-EtFOSAA	6.929	584.0 -> 419.0	34	0.0160	µg/L		24
PFUnDA	6.931	563.0 -> 519.0	180	0.0184	µg/L	#	81
9Cl-PF3ONS	7.053	530.9 -> 350.9	34	0.0657	µg/L	#	46
PFNS	7.243	548.9 -> 80.0	6	0.0008	µg/L		26
PFDoDA	7.368	613.0 -> 569.0	137	0.0052	µg/L		65
PFDS	7.537	598.9 -> 80.0	26	0.0049	µg/L	#	33
PFTrDA	7.724	663.0 -> 619.0	34	0.0014	µg/L		72

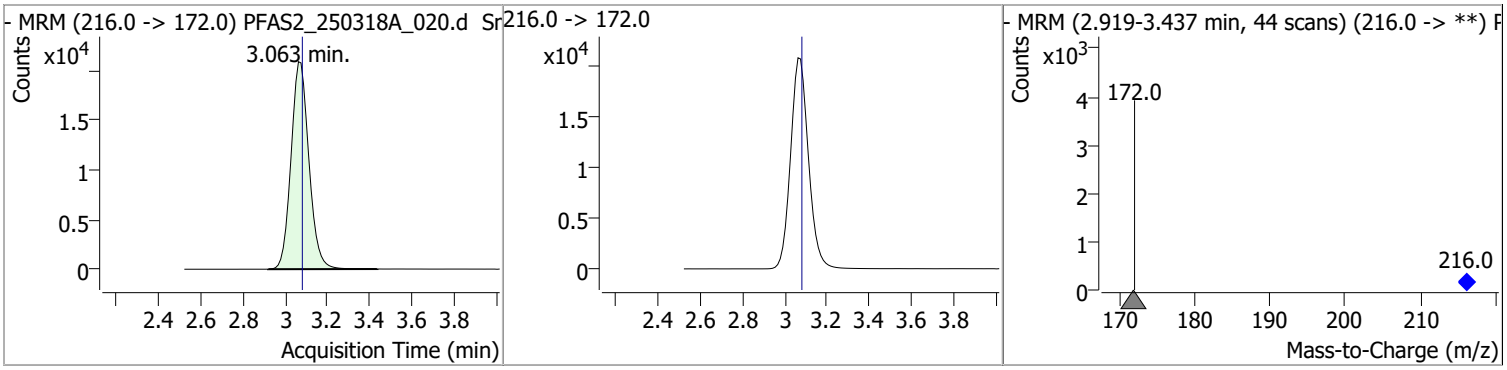
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	80	0.0040	µg/L	#	80
PFTDA	8.093	712.9 -> 669.0	63	0.0092	µg/L		77
PFDoS	8.240	698.9 -> 80.0	8	0.0021	µg/L		22
PFOSA	8.783	497.9 -> 78.0	48	0.0043	µg/L	#	70
MeFOSE	9.878	616.0 -> 59.0	116	0.0177	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	8	0.0023	µg/L	#	34
EtFOSE	10.222	630.0 -> 59.0	136	0.0880	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	12	0.0033	µg/L	#	30

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

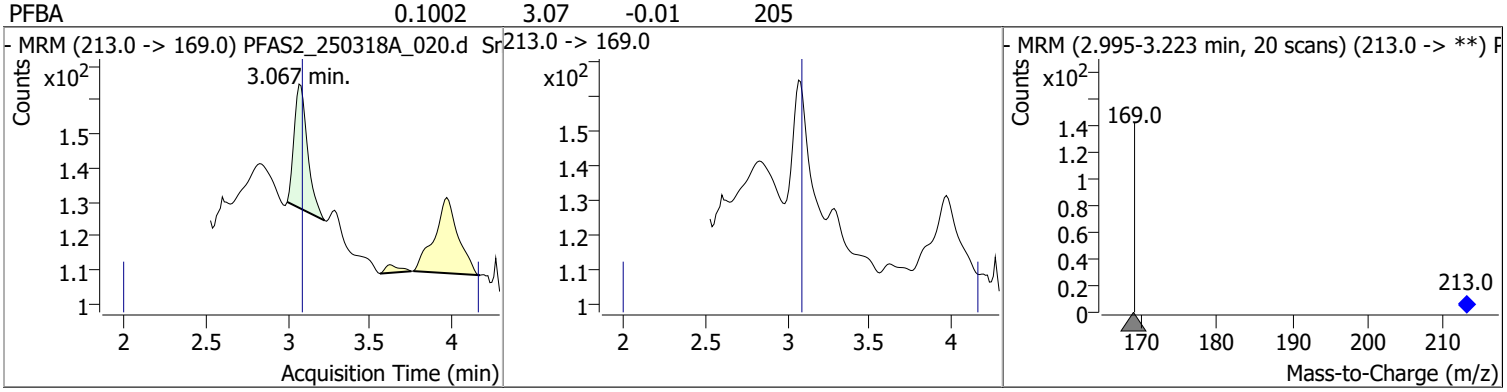
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4226	3.07	0.00	122276				



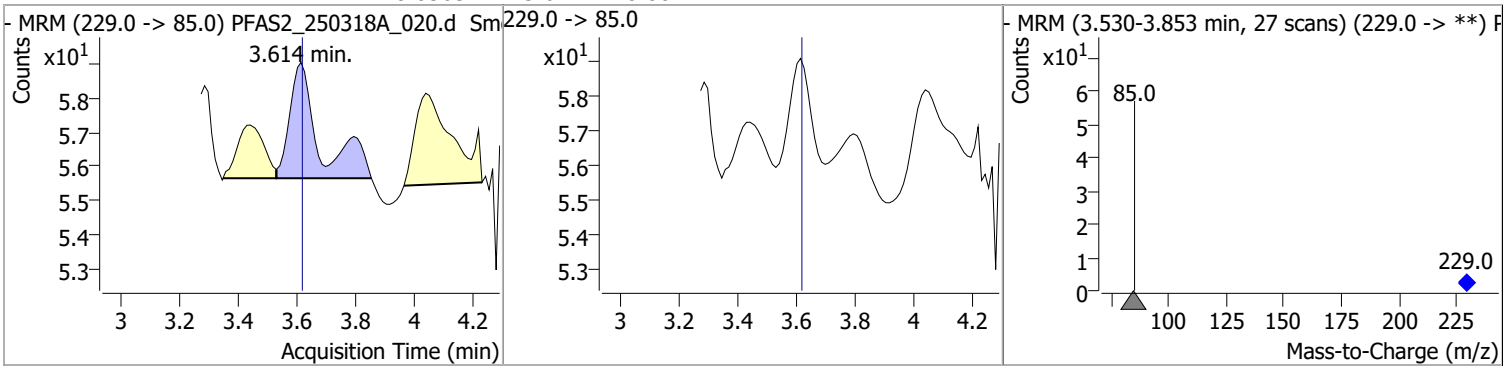
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	121666				



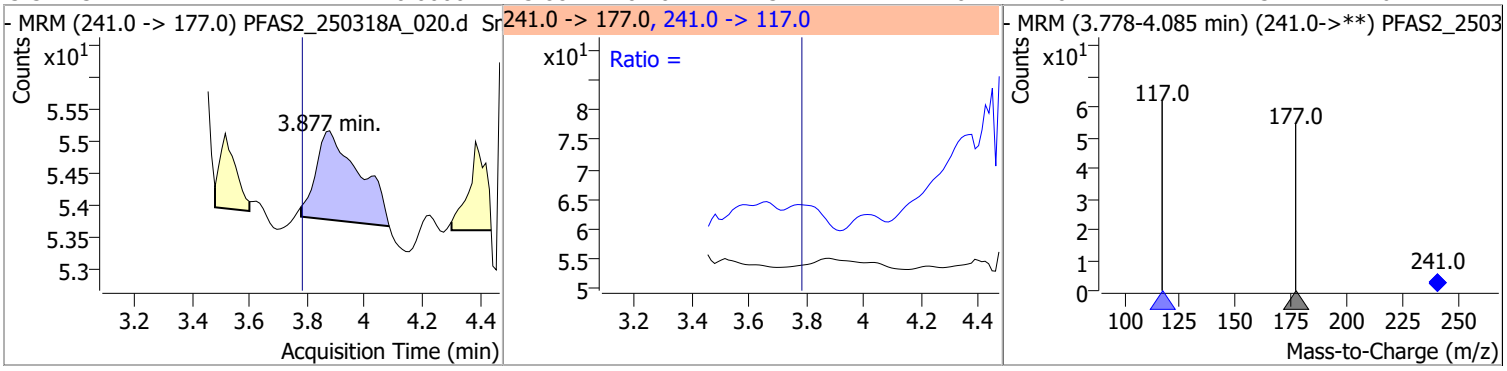
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.1002	3.07	-0.01	205				



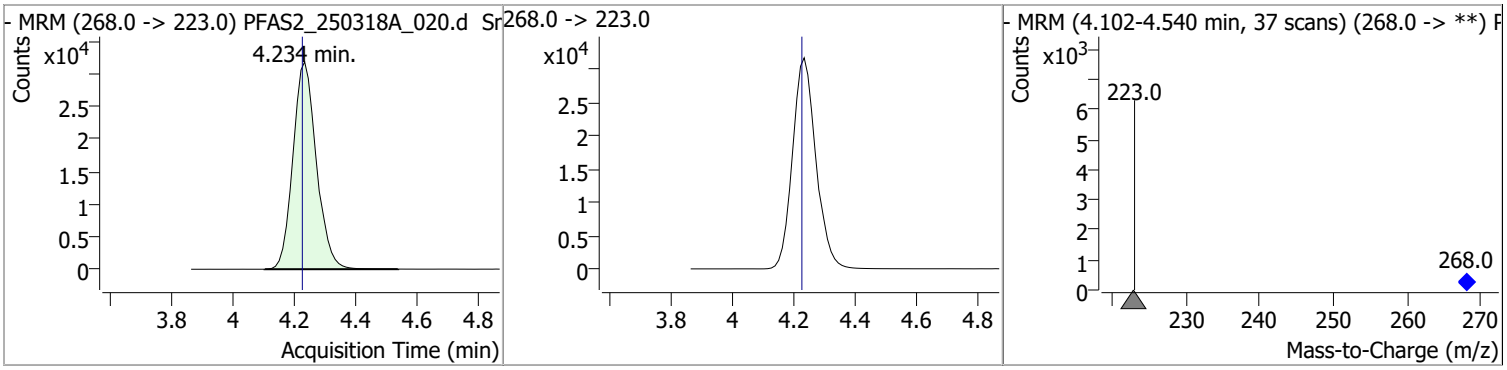
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0565	3.61	0.00	24				



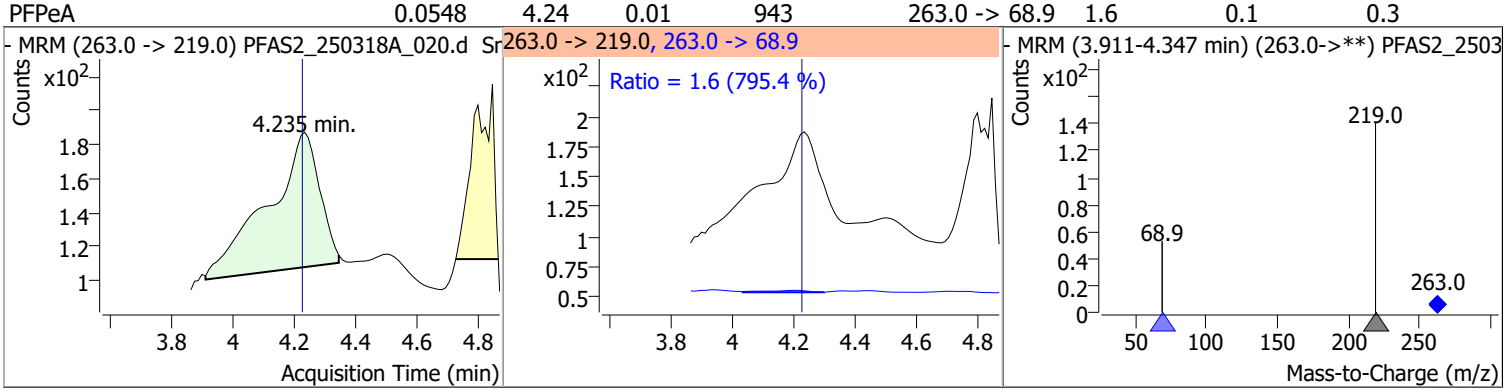
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.88	0.10	15	241.0 -> 117.0		41.3	76.7



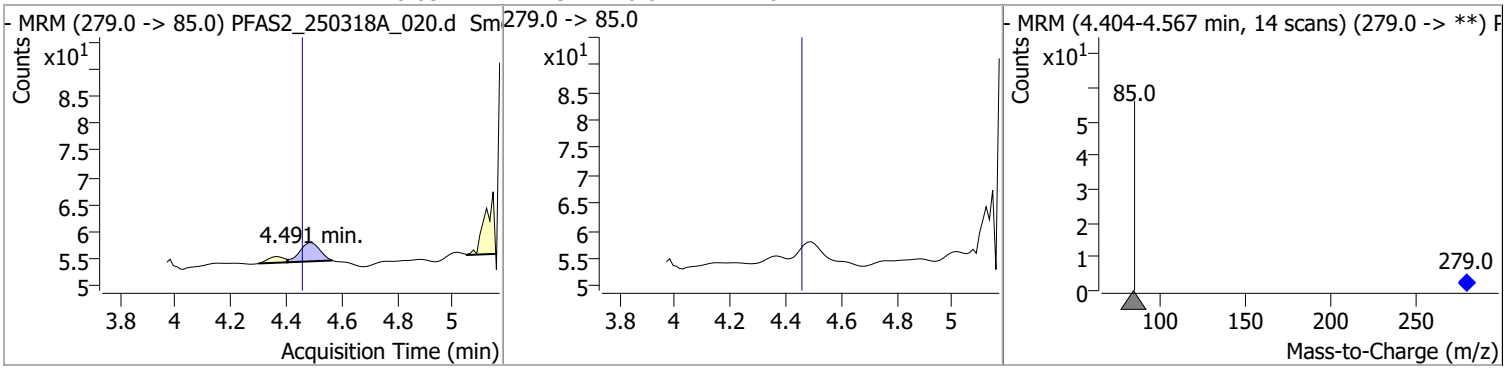
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.5956	4.23	0.01	168705				



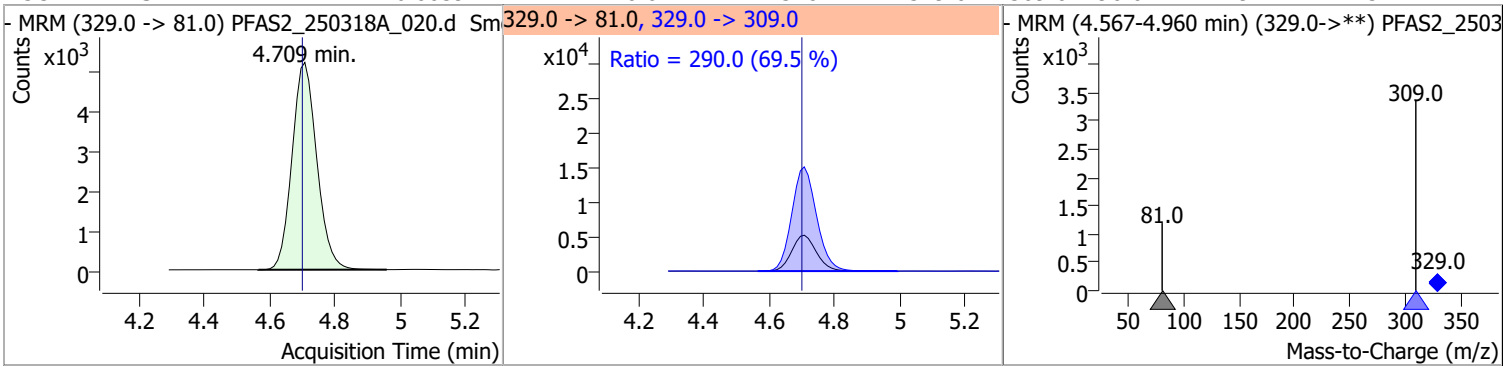
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0548	4.24	0.01	943	263.0 -> 68.9	1.6	0.1	0.3



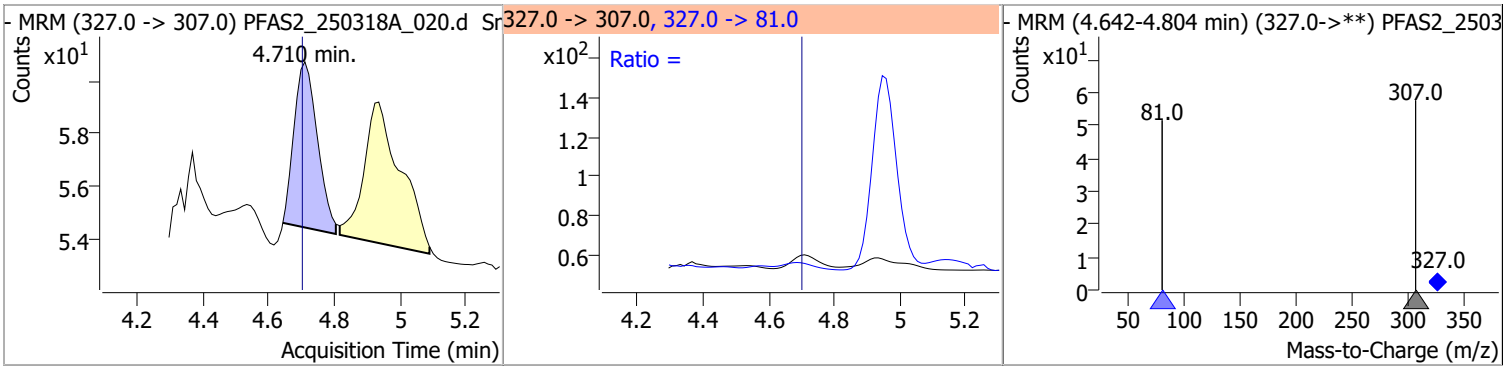
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0344	4.49	0.04	18				



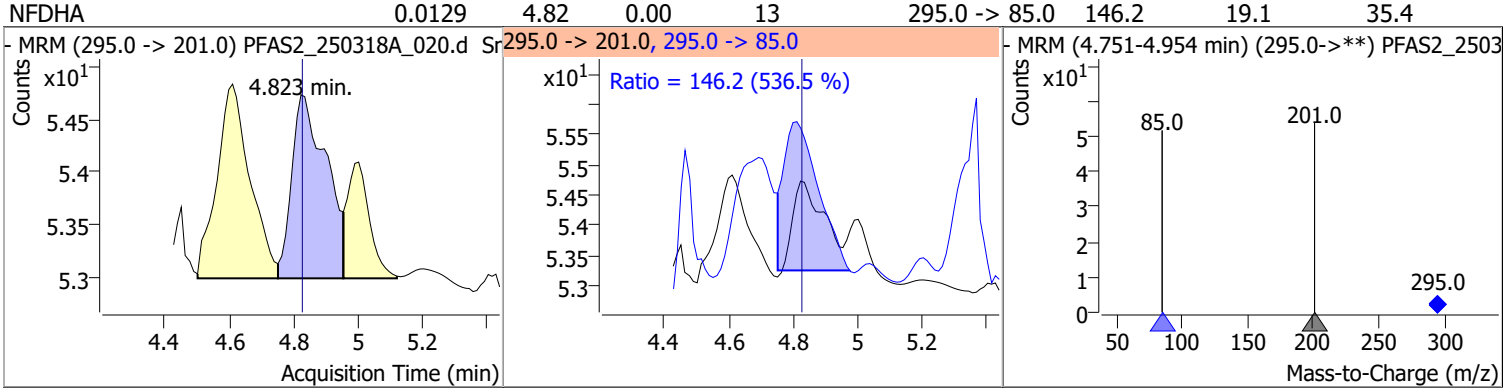
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0039	4.71	0.01	27378	329.0 -> 309.0	290.0	292.1	542.4



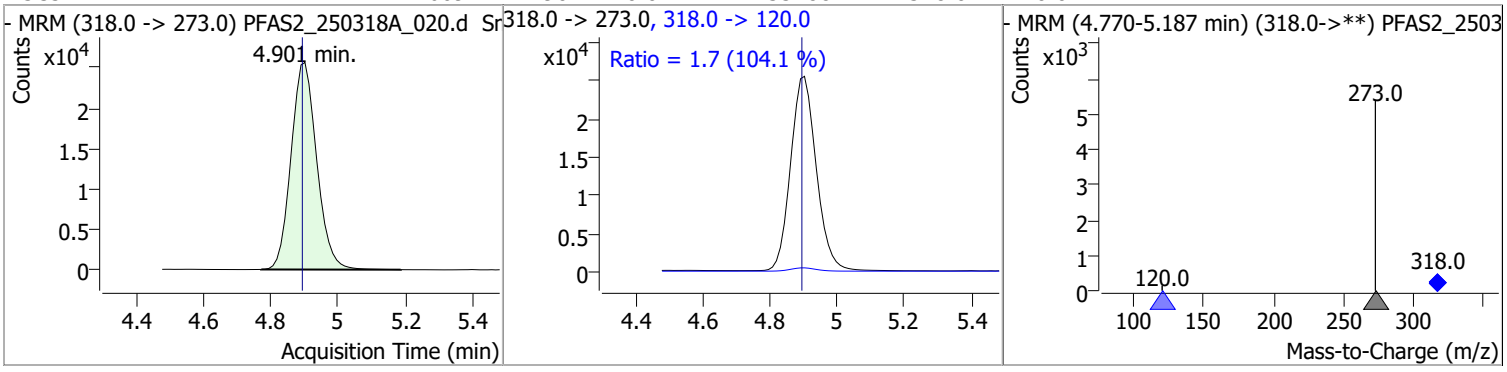
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0019	4.71	0.01	31	327.0 -> 81.0		23.6	43.9



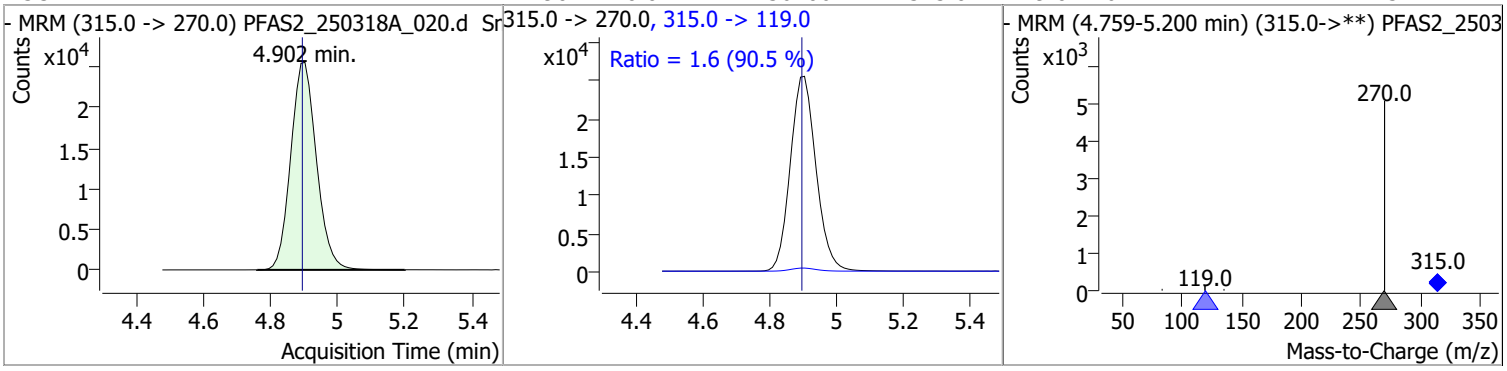
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0129	4.82	0.00	13	295.0 -> 85.0	146.2	19.1	35.4



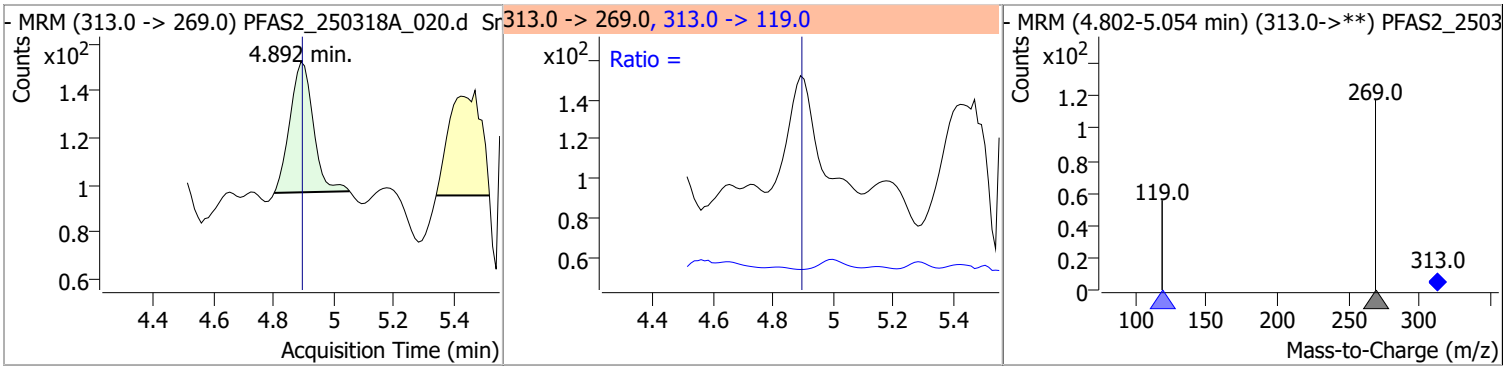
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2609	4.90	0.01	135488	318.0 -> 120.0	1.7	1.1	2.1



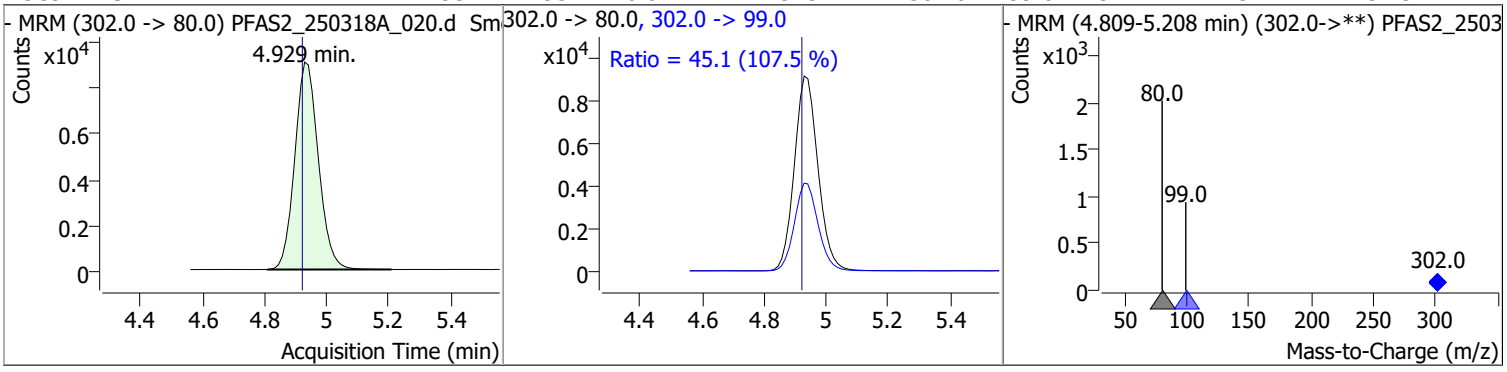
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	136106	315.0 -> 119.0	1.6	1.2	2.3



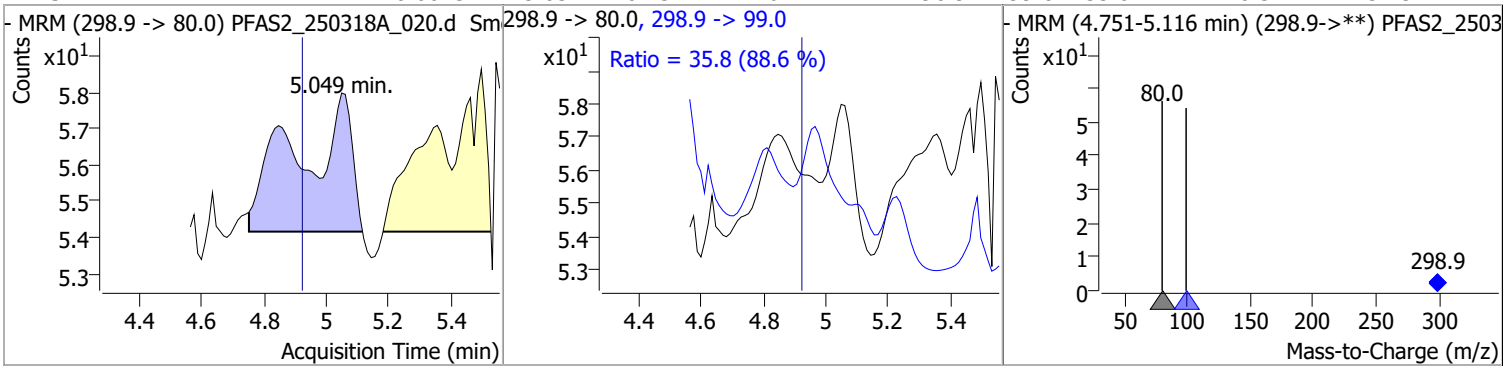
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0062	4.89	0.00	300	313.0 -> 119.0		2.4	4.5



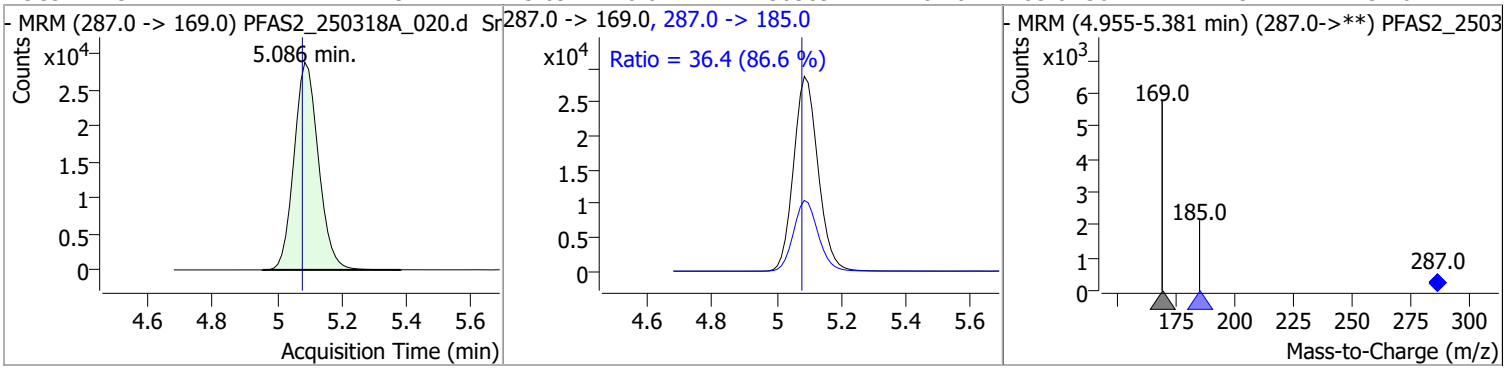
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1793	4.93	0.01	47913	302.0 -> 99.0	45.1	29.4	54.5



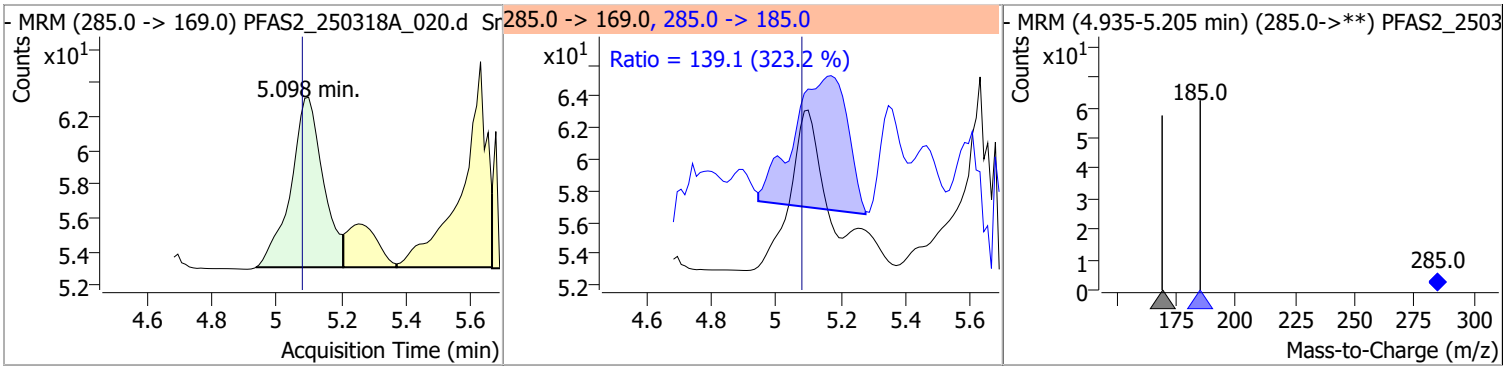
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0023	5.05	0.13	46	298.9 -> 99.0	35.8	28.3	52.5



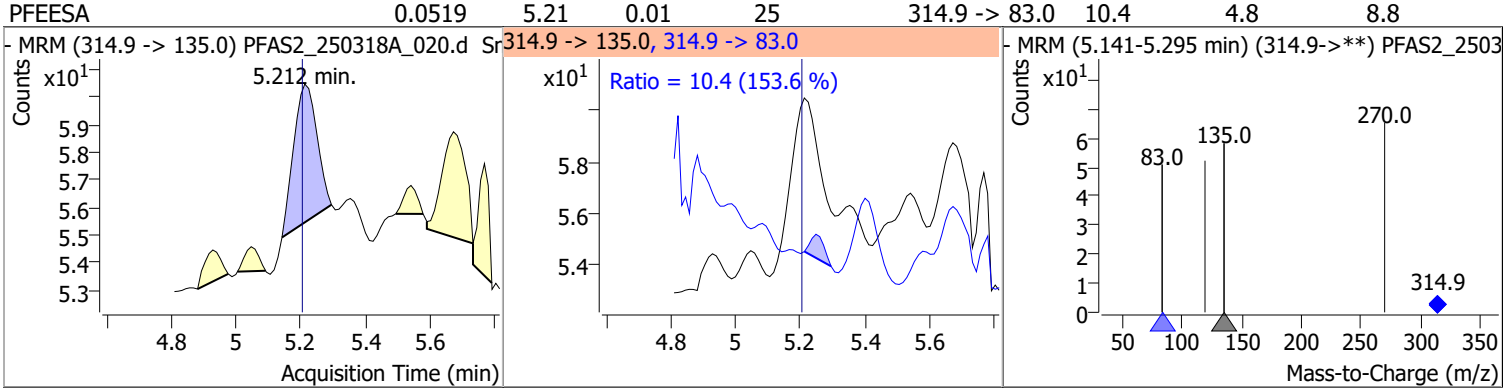
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7124	5.09	0.01	150589	287.0 -> 185.0	36.4	29.4	54.6



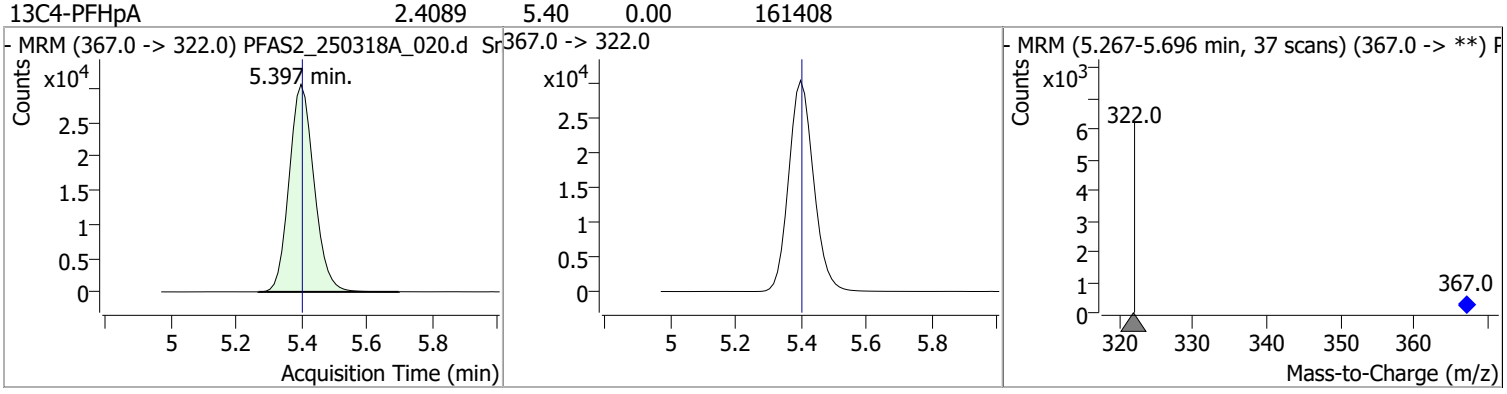
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0052	5.10	0.02	70	285.0 -> 185.0	139.1	30.1	56.0



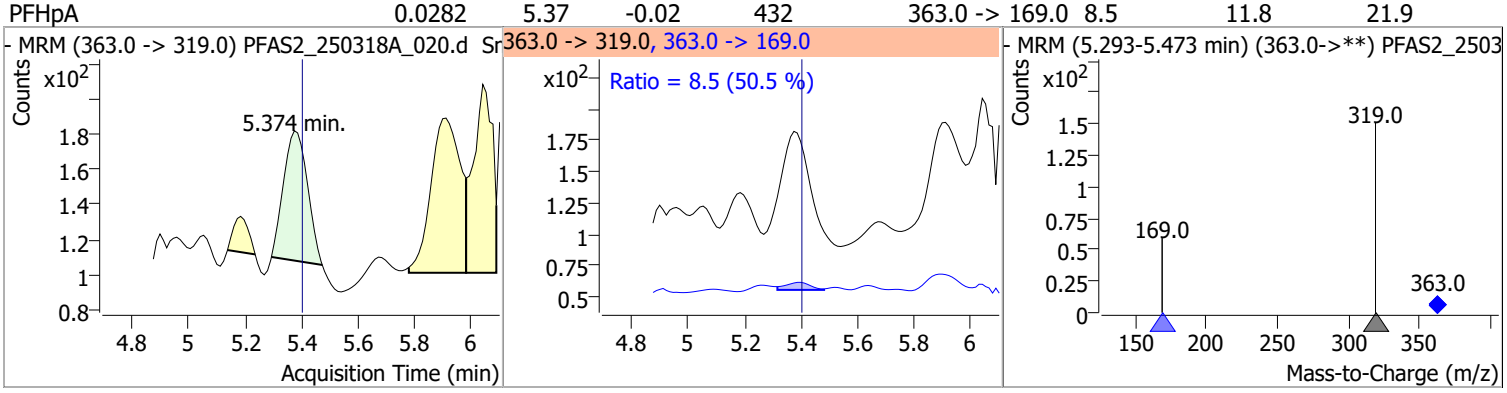
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.21	0.01	25	314.9 -> 83.0	10.4	4.8	8.8



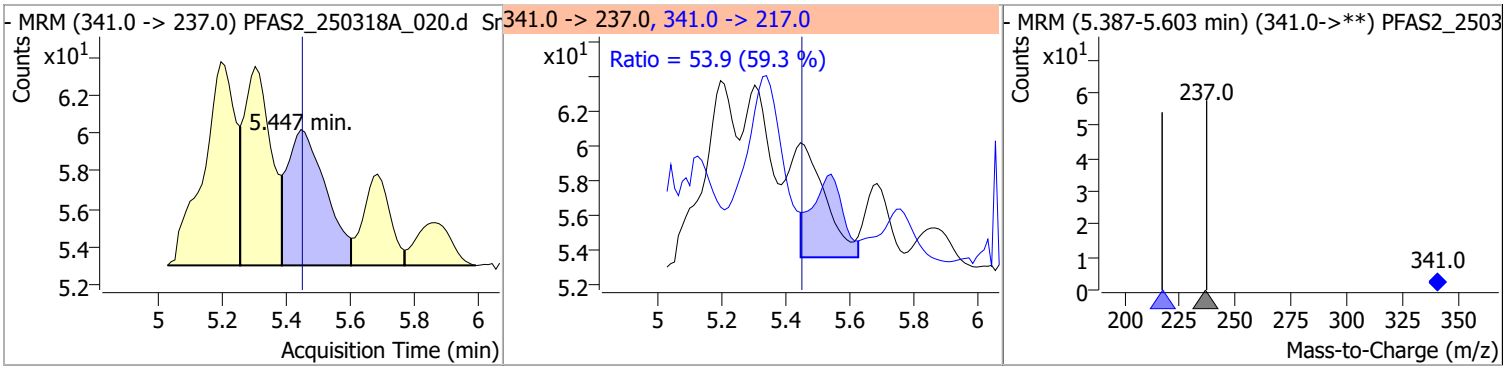
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4089	5.40	0.00	161408				



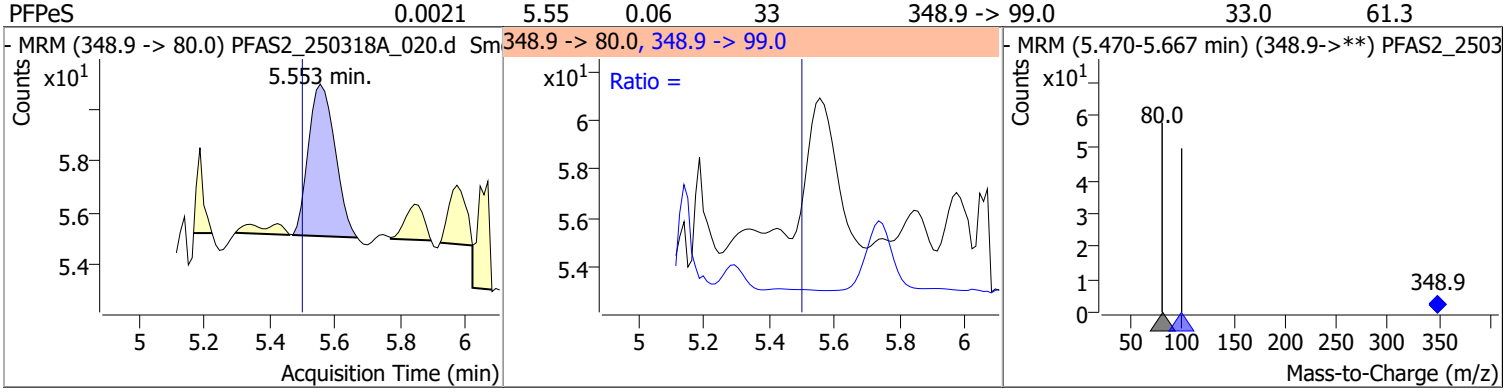
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0282	5.37	-0.02	432	363.0 -> 169.0	8.5	11.8	21.9



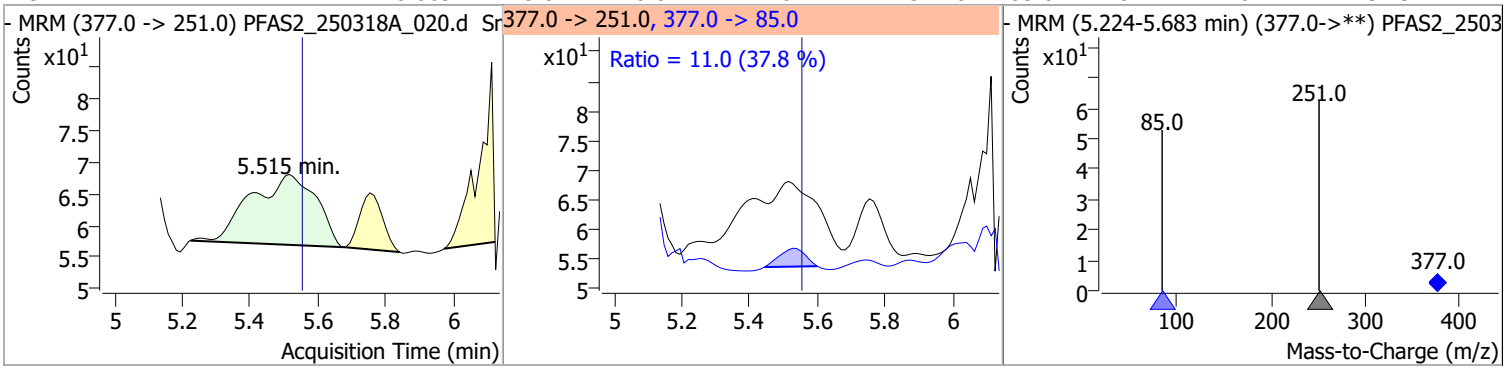
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1927	5.45	0.00	60	341.0 -> 217.0	53.9	63.6	118.1



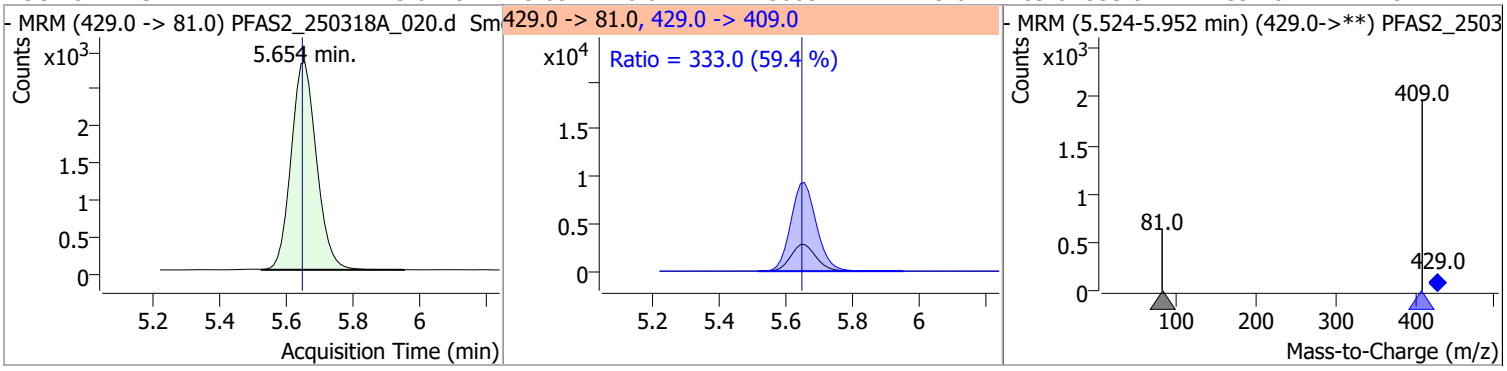
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0021	5.55	0.06	33	348.9 -> 99.0		33.0	61.3



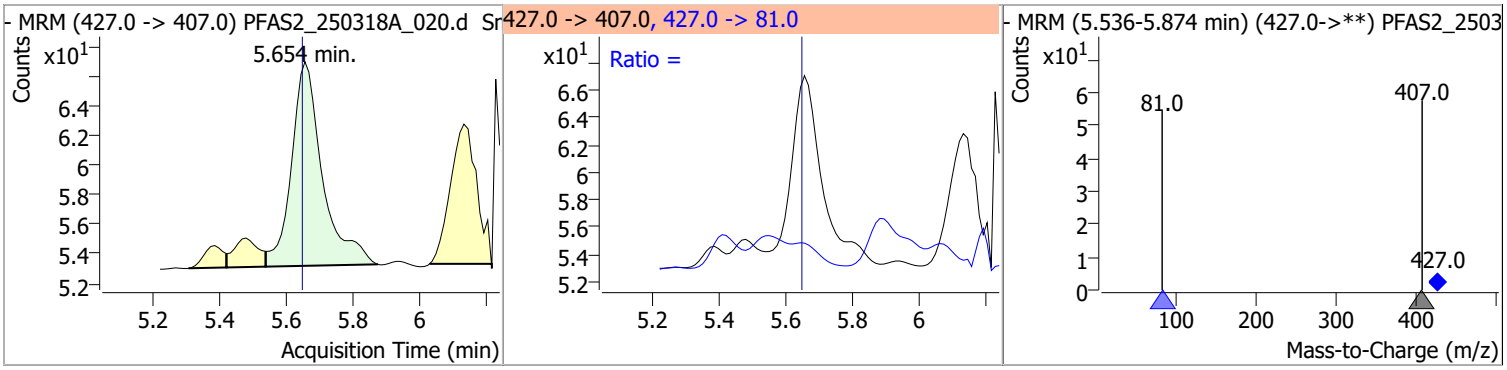
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0691	5.52	-0.04	148	377.0 -> 85.0	11.0	20.4	37.9



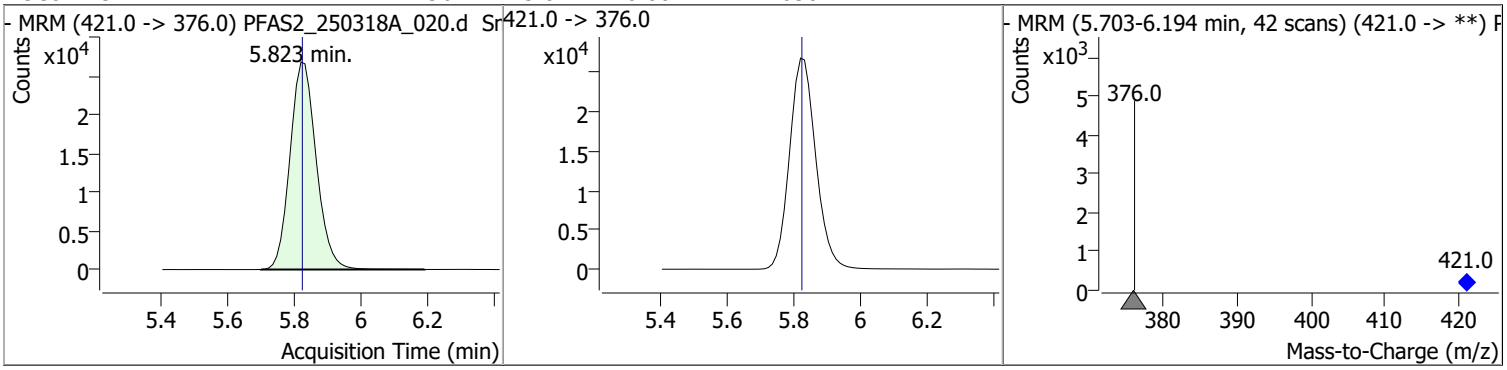
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6115	5.65	0.01	15003	429.0 -> 409.0	333.0	392.8	729.4



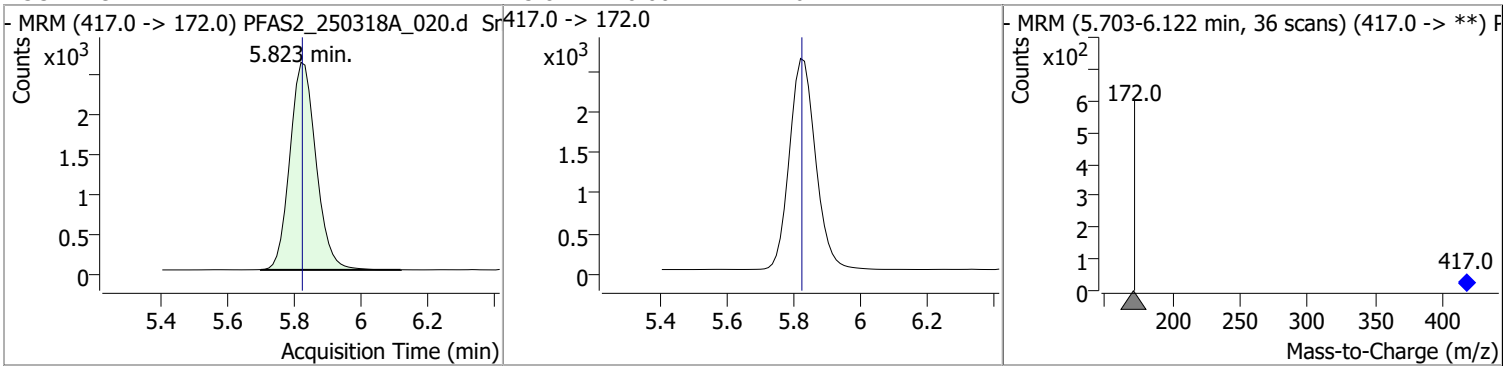
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1185	5.65	0.01	90	427.0 -> 81.0		17.7	32.8



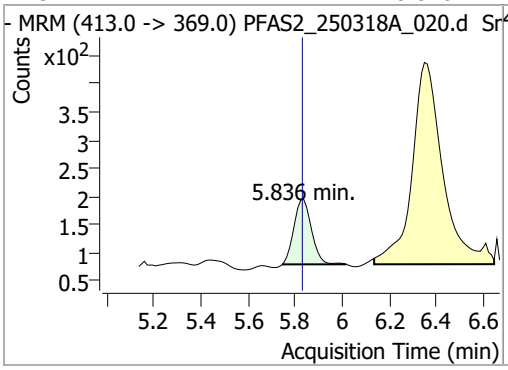
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2967	5.82	0.00	146507				

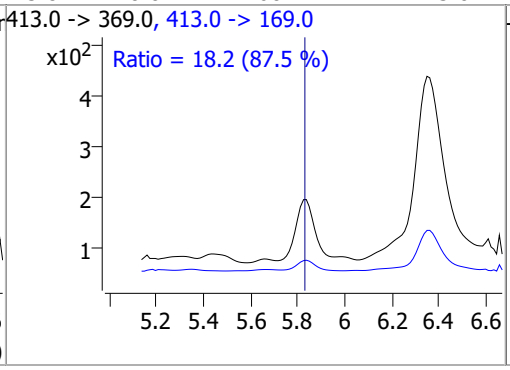


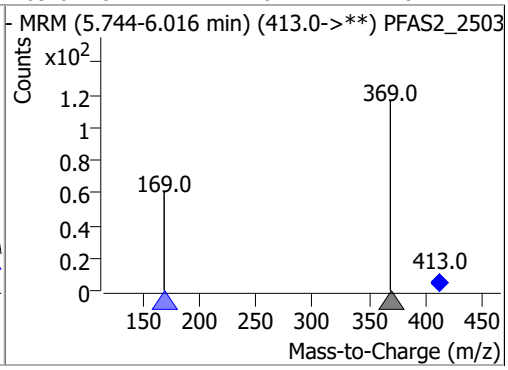
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14264				



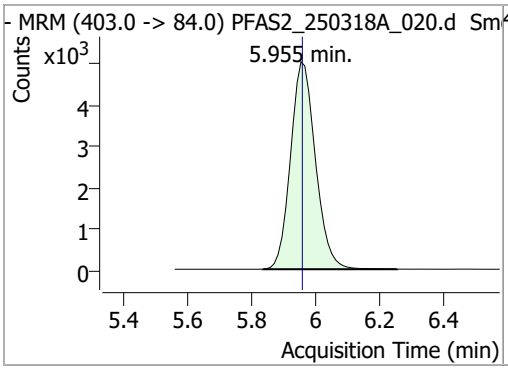
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0467	5.84	0.01	602	413.0 -> 169.0	18.2	14.6	27.0

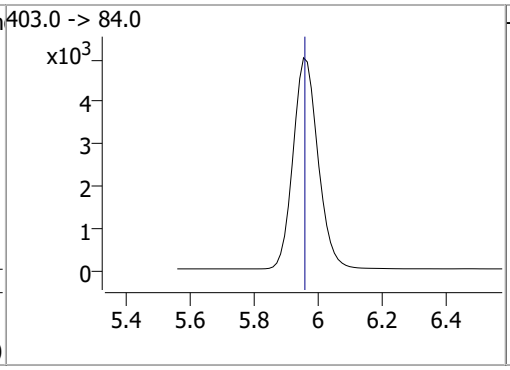


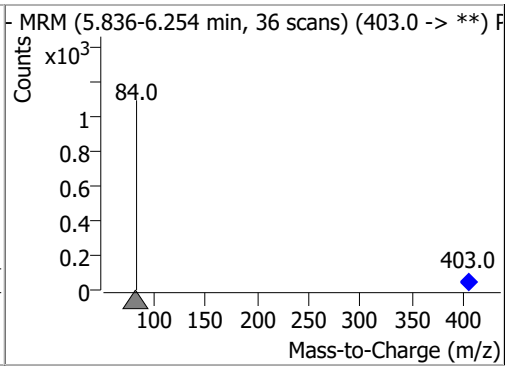




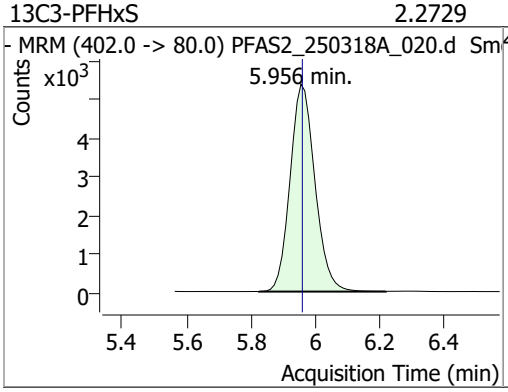
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26848				

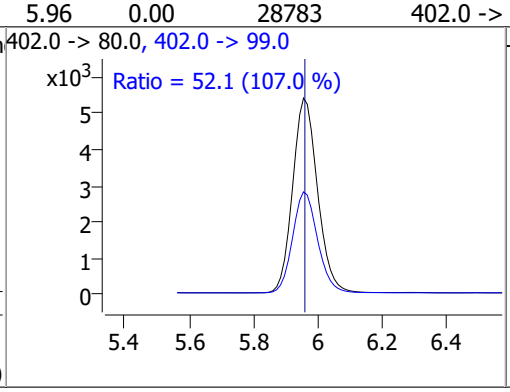


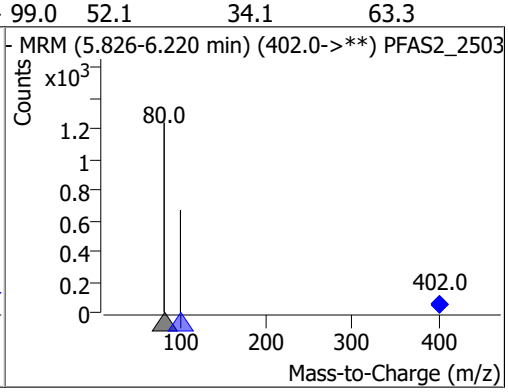




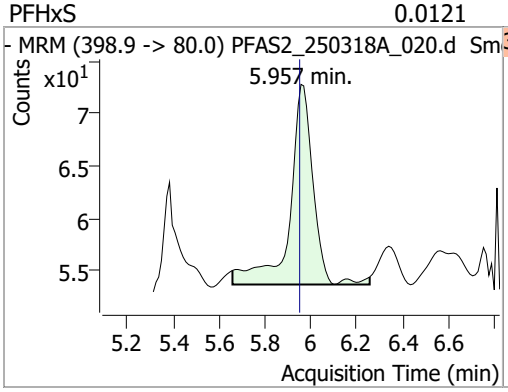
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2729	5.96	0.00	28783	402.0 -> 99.0	52.1	34.1	63.3

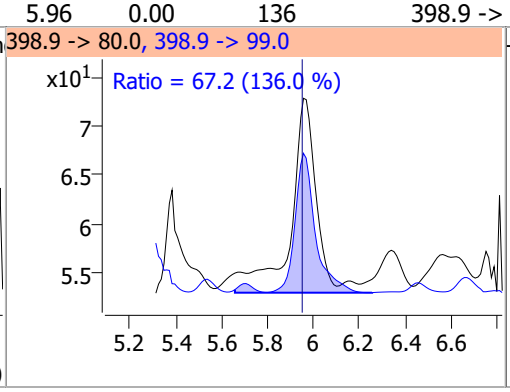


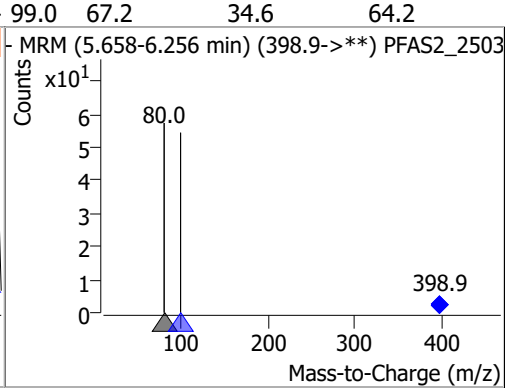




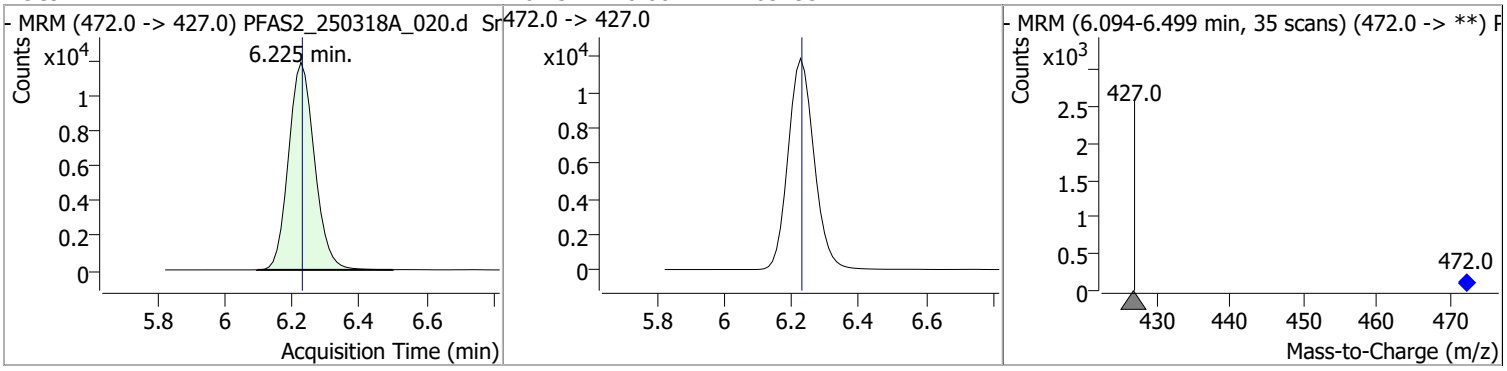
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0121	5.96	0.00	136	398.9 -> 99.0	67.2	34.6	64.2



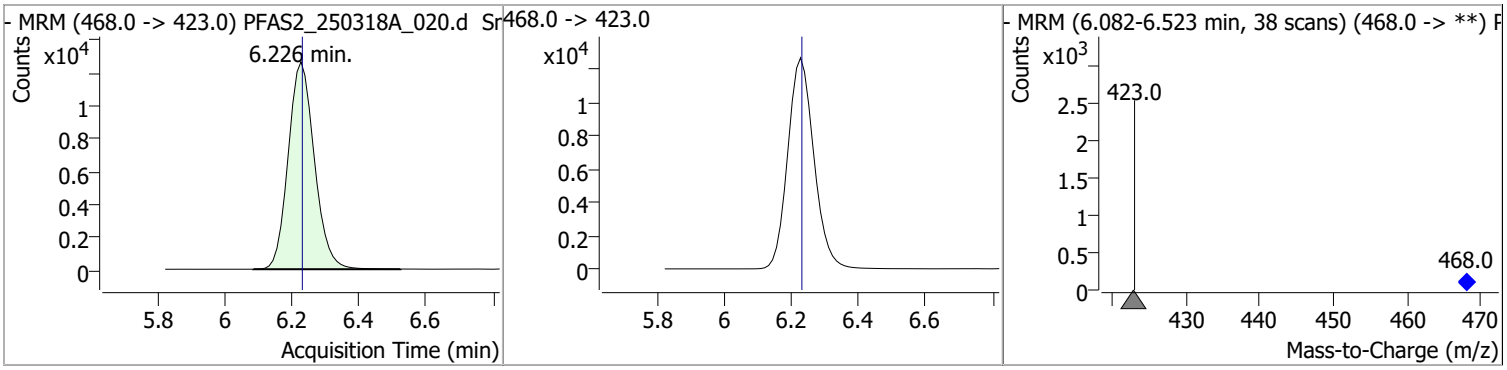




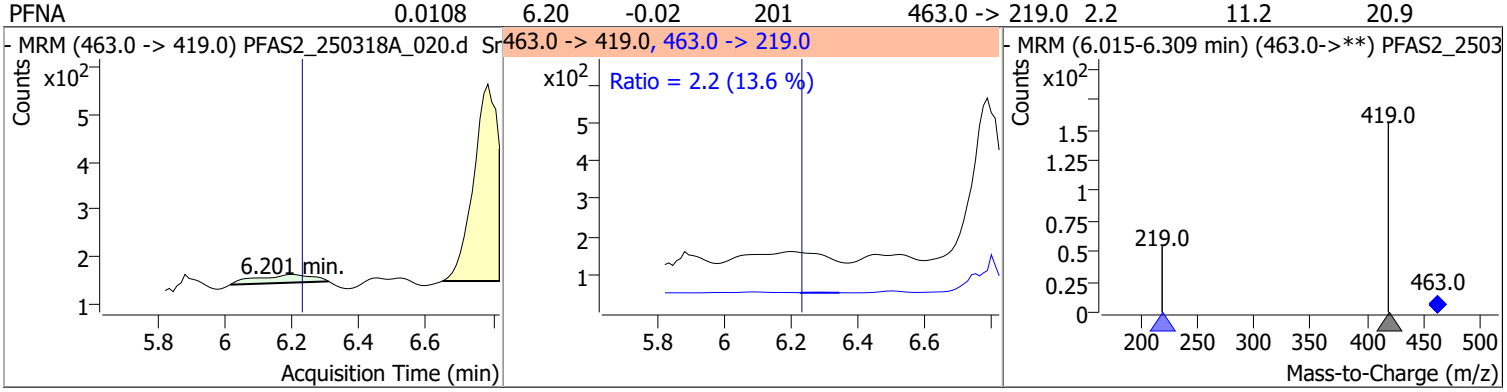
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1744	6.23	0.00	63755				



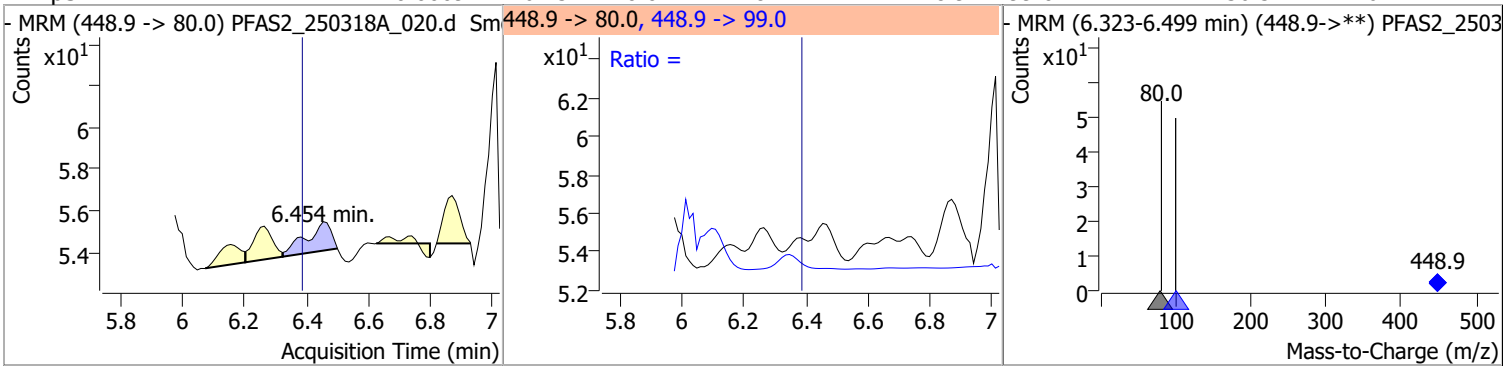
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68513				



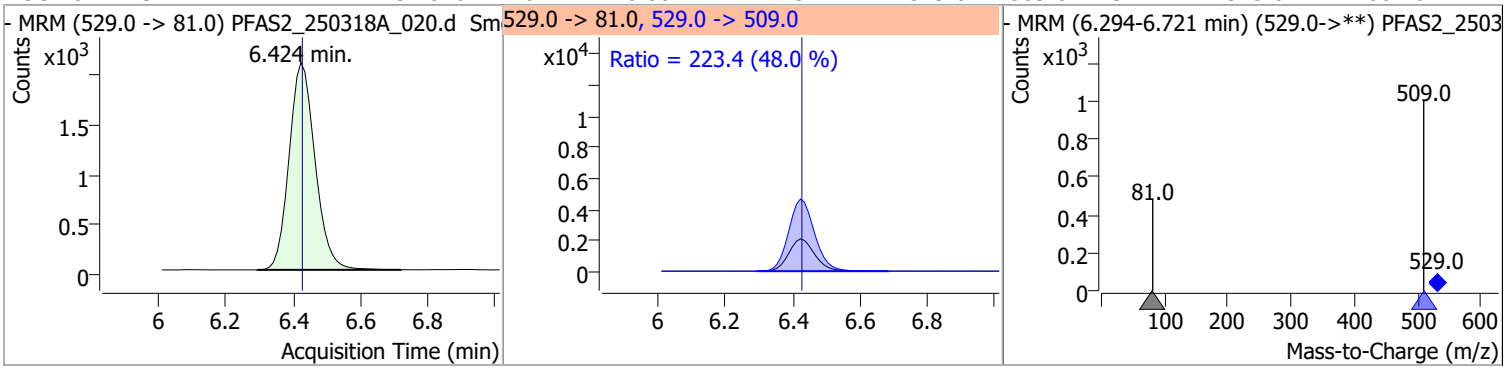
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0108	6.20	-0.02	201	463.0 -> 219.0	2.2	11.2	20.9



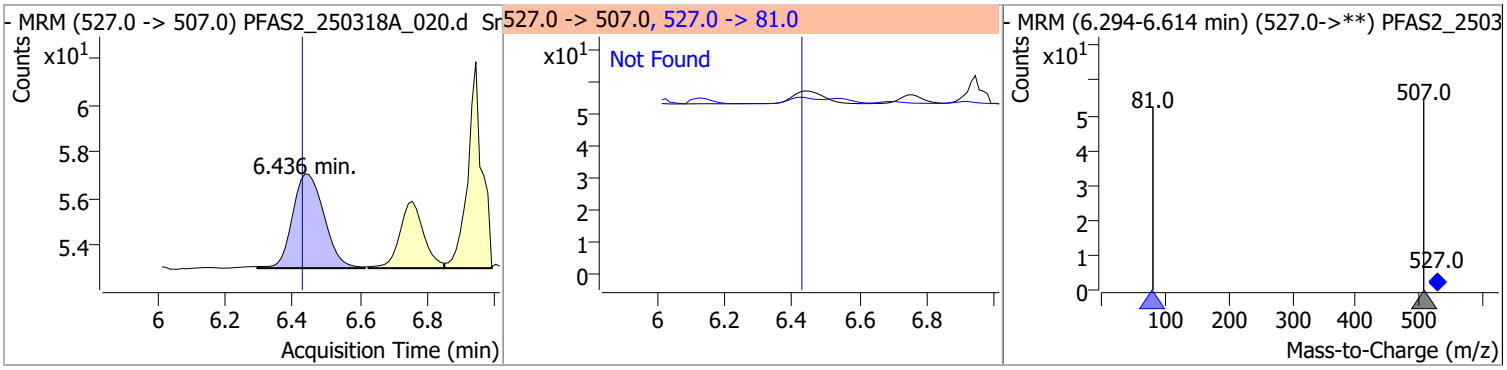
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	6.45	0.07	8	448.9 -> 99.0		36.5	67.7



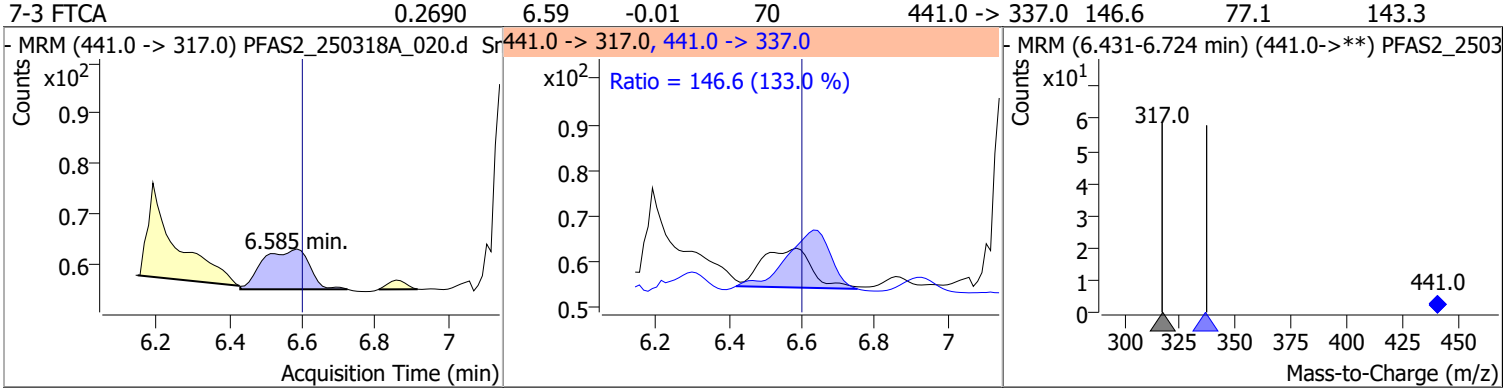
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1876	6.42	0.00	11151	529.0 -> 509.0	223.4	325.6	604.6



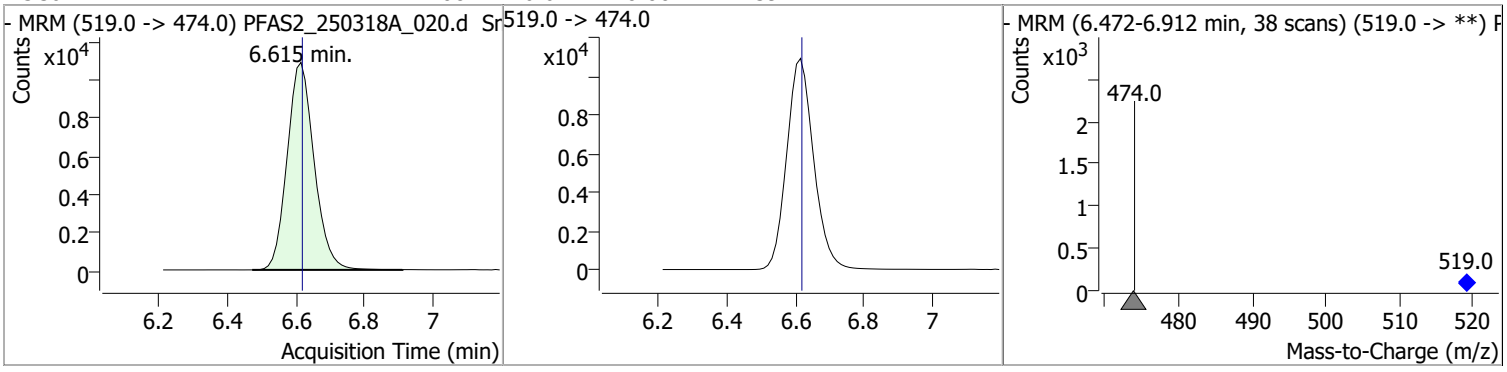
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0775	6.44	0.01	26	527.0 -> 81.0		19.7	36.6



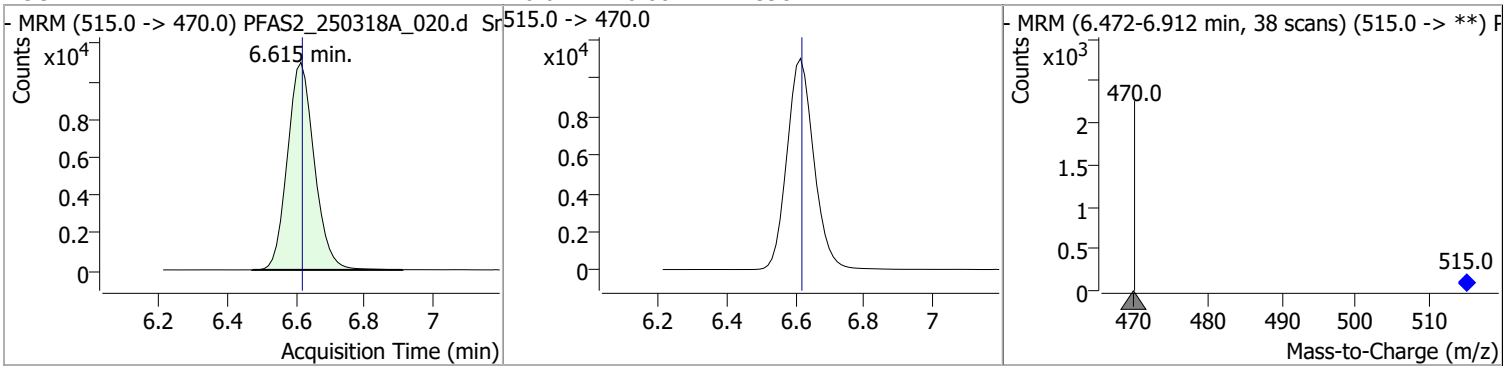
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2690	6.59	-0.01	70	441.0 -> 337.0	146.6	77.1	143.3



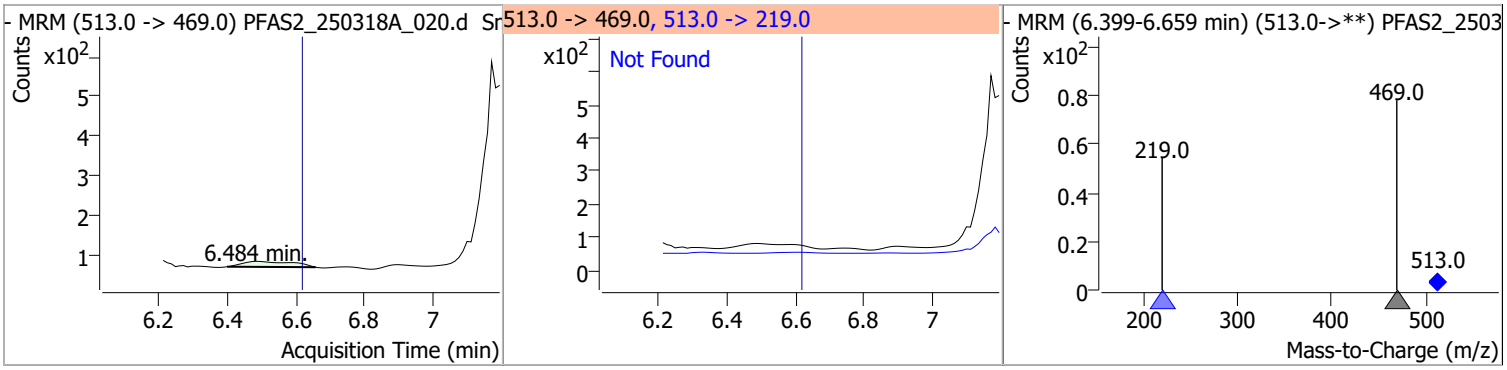
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2208	6.61	0.00	59447				



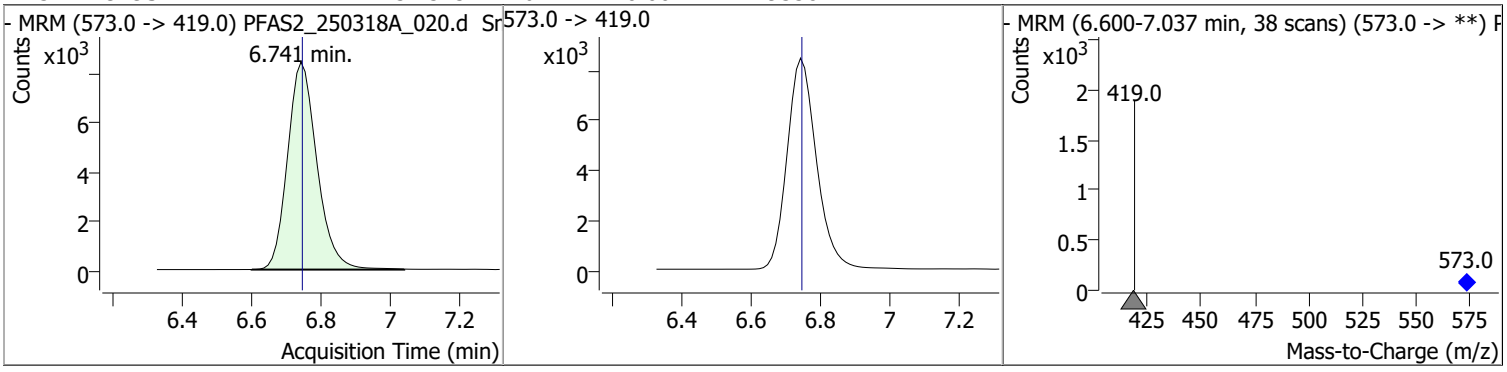
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	59842				



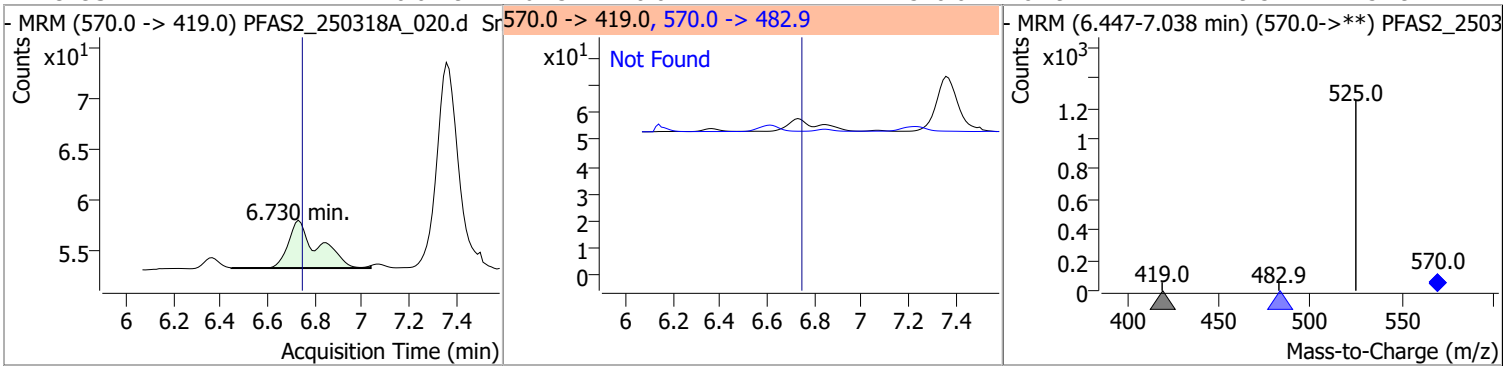
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0001	6.48	-0.13	143	513.0 -> 219.0		8.7	16.2



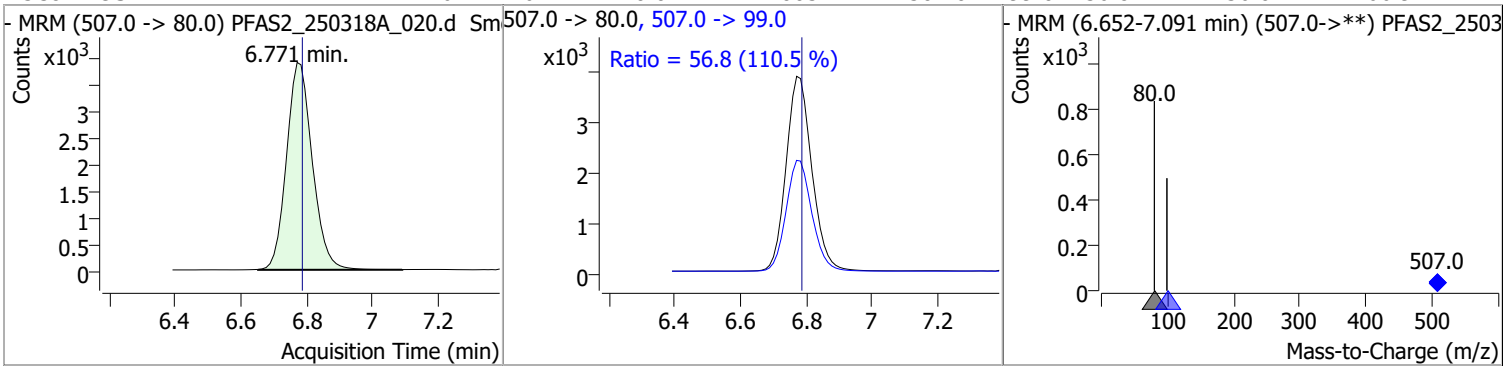
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1575	6.74	0.00	49358				



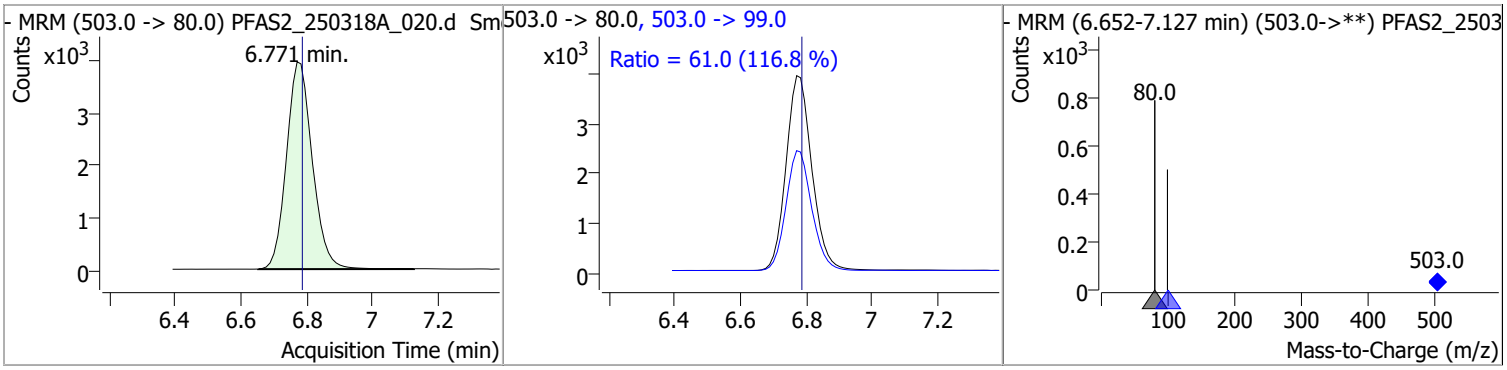
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0129	6.73	-0.01	42	570.0 -> 482.9		29.5	54.9



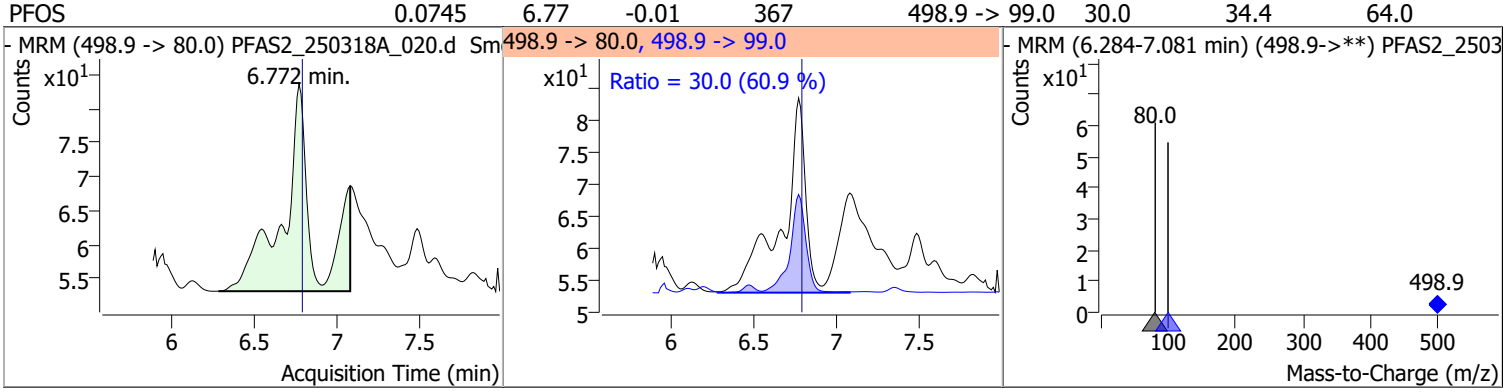
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4262	6.77	-0.01	21003	507.0 -> 99.0	56.8	36.0	66.9



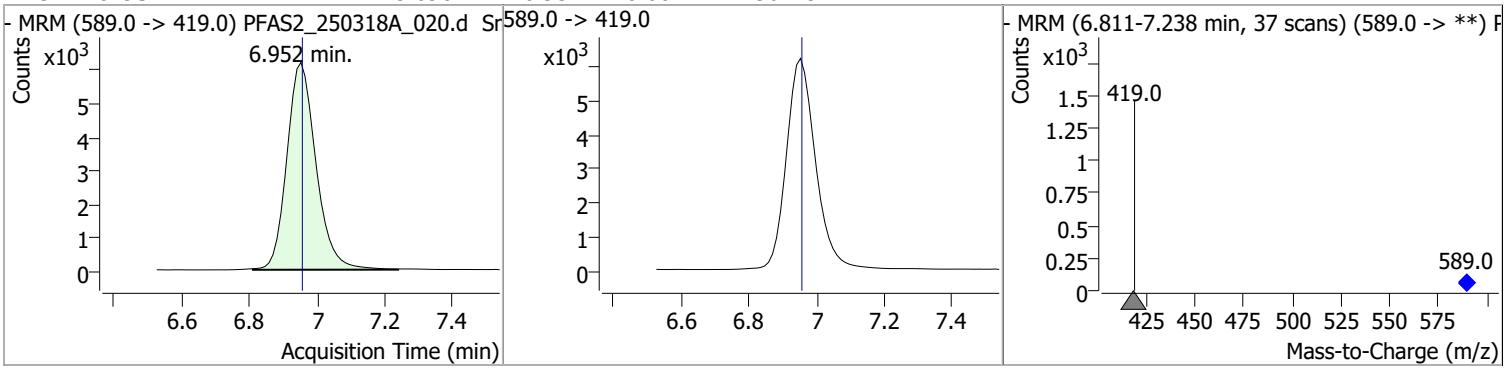
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21329	503.0 -> 99.0	61.0	36.6	67.9



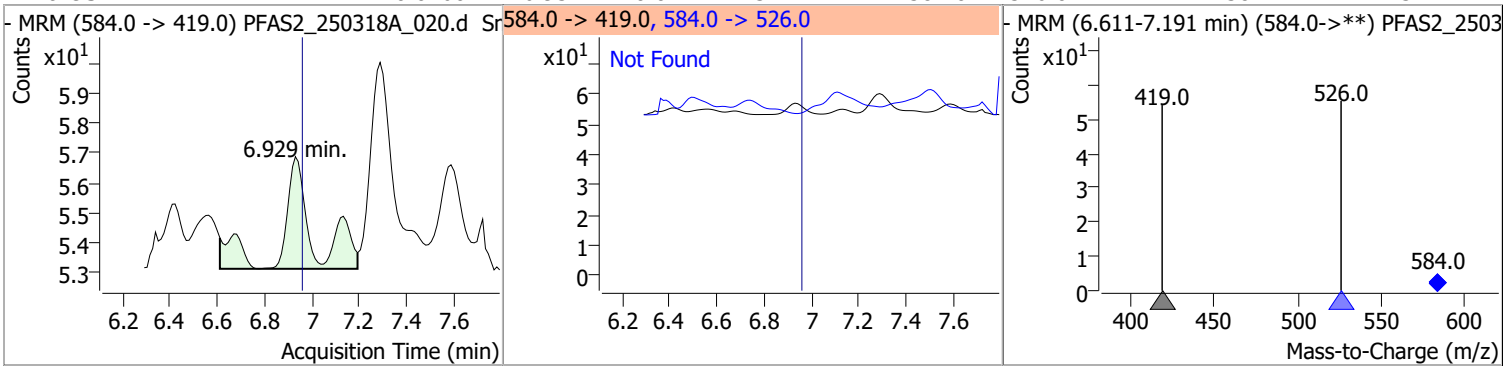
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0745	6.77	-0.01	367	498.9 -> 99.0	30.0	34.4	64.0



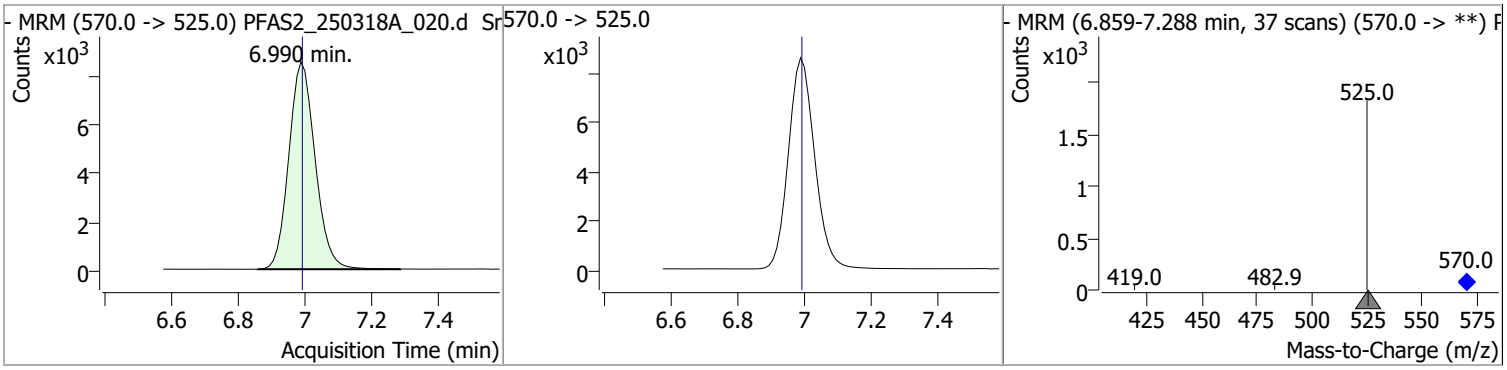
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0904	6.95	0.00	36779				



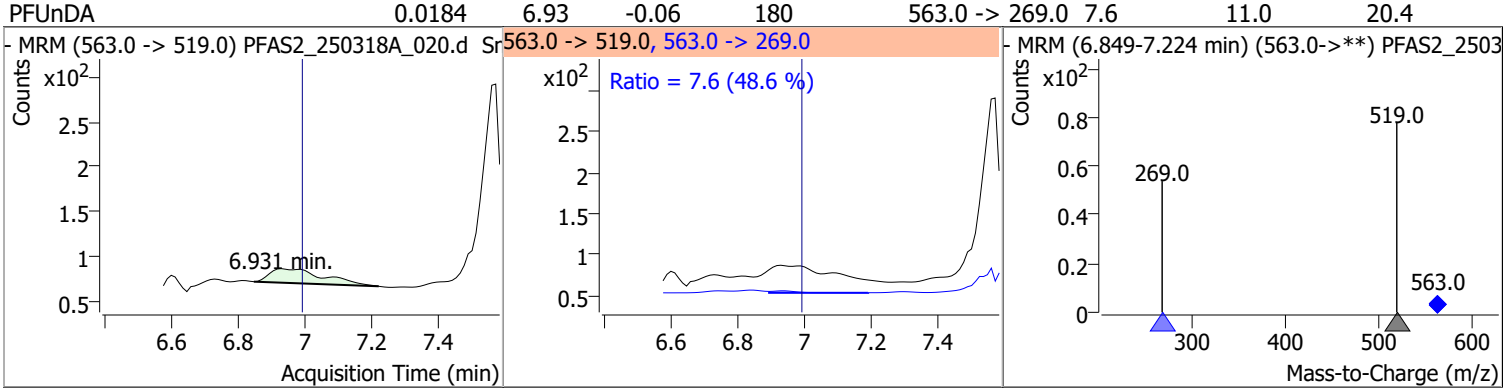
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0160	6.93	-0.02	34	584.0 -> 526.0		38.4	71.3



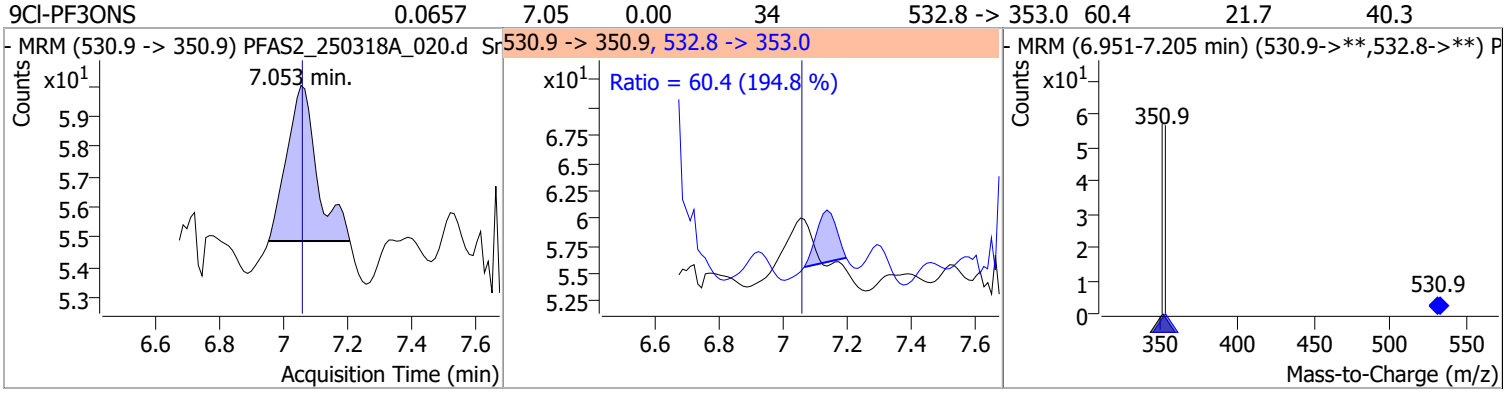
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2255	6.99	0.00	47032				



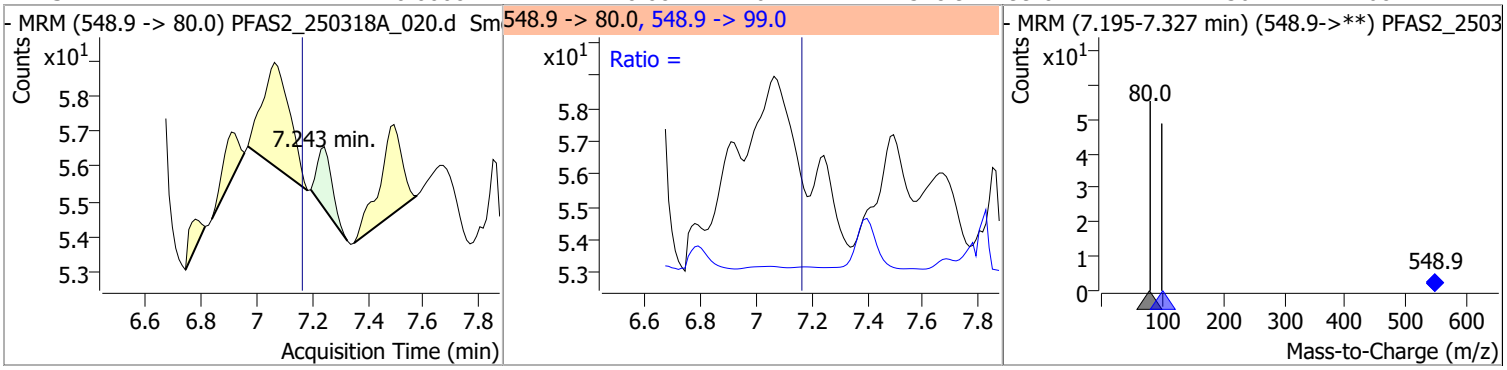
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0184	6.93	-0.06	180	563.0 -> 269.0	7.6	11.0	20.4



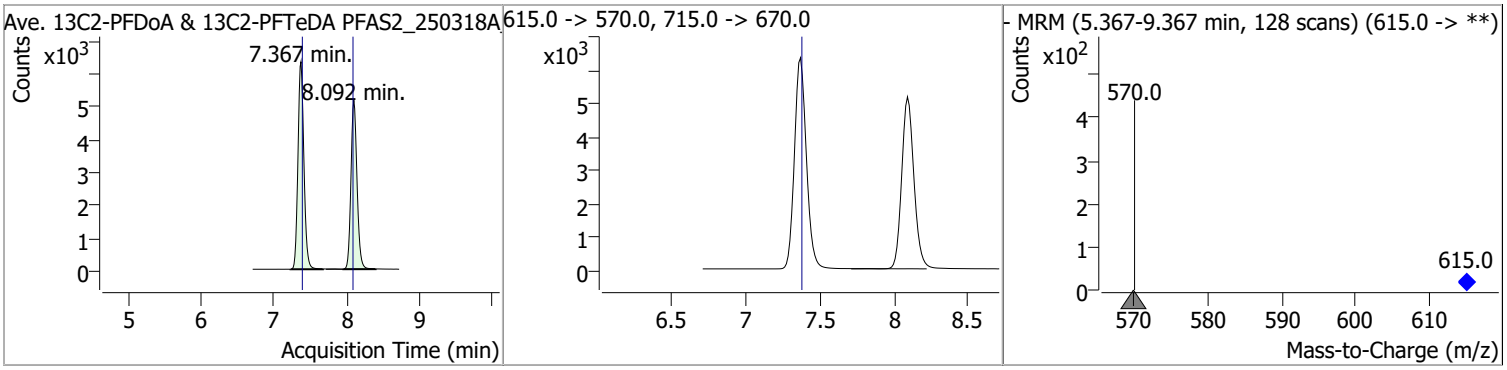
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0657	7.05	0.00	34	532.8 -> 353.0	60.4	21.7	40.3



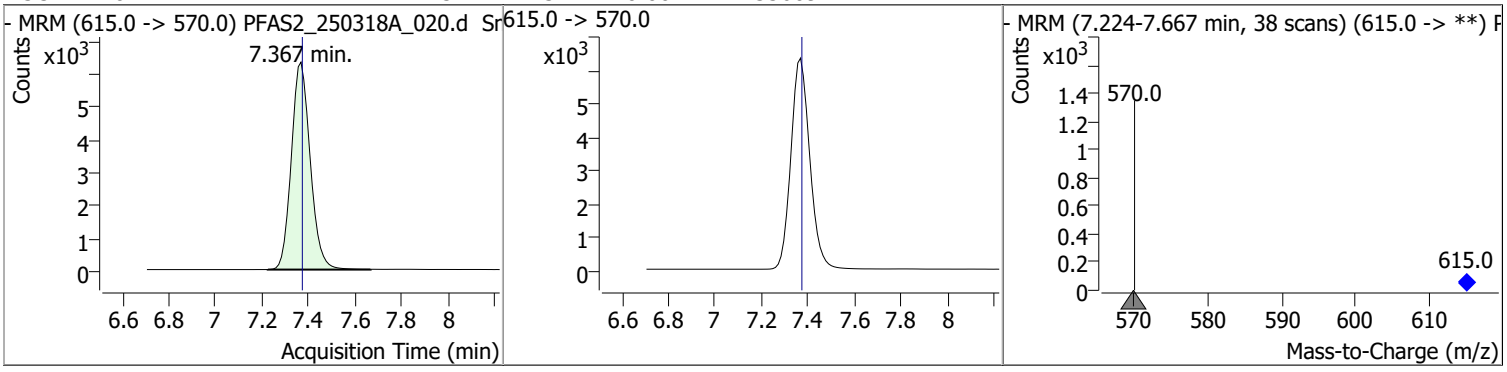
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0008	7.24	0.08	6	548.9 -> 99.0		36.7	68.1



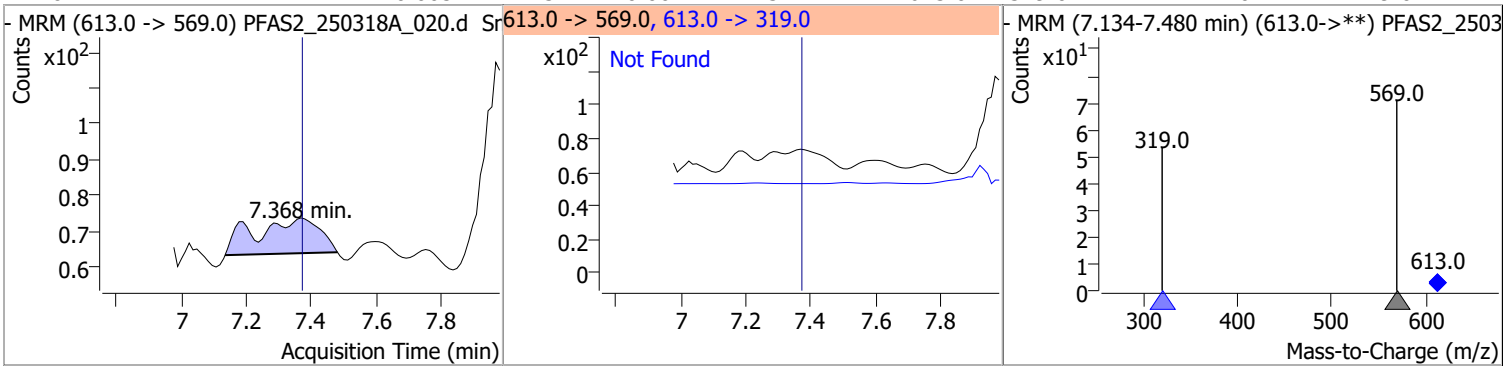
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0326	7.73	0.36	32664				



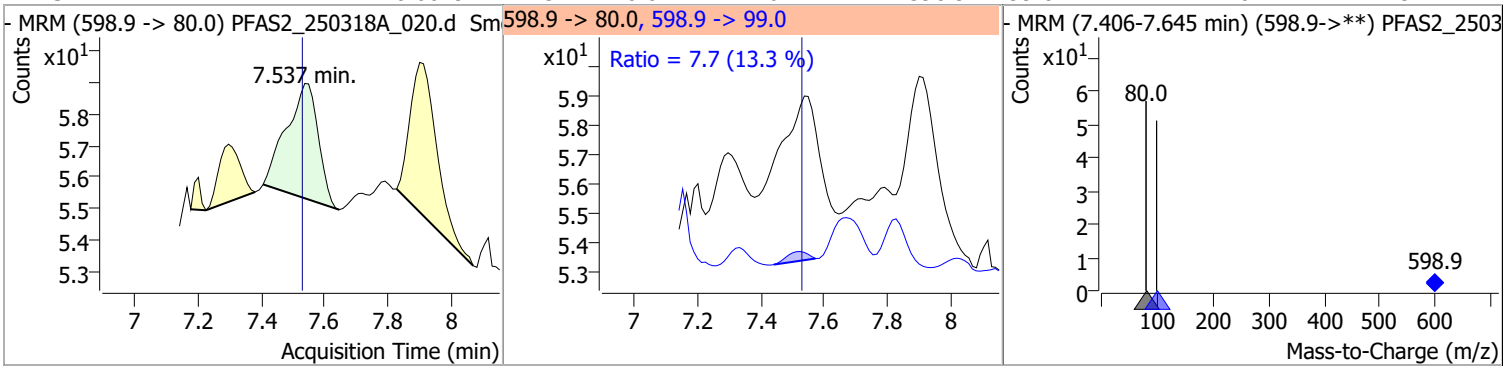
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2454	7.37	0.00	35609				



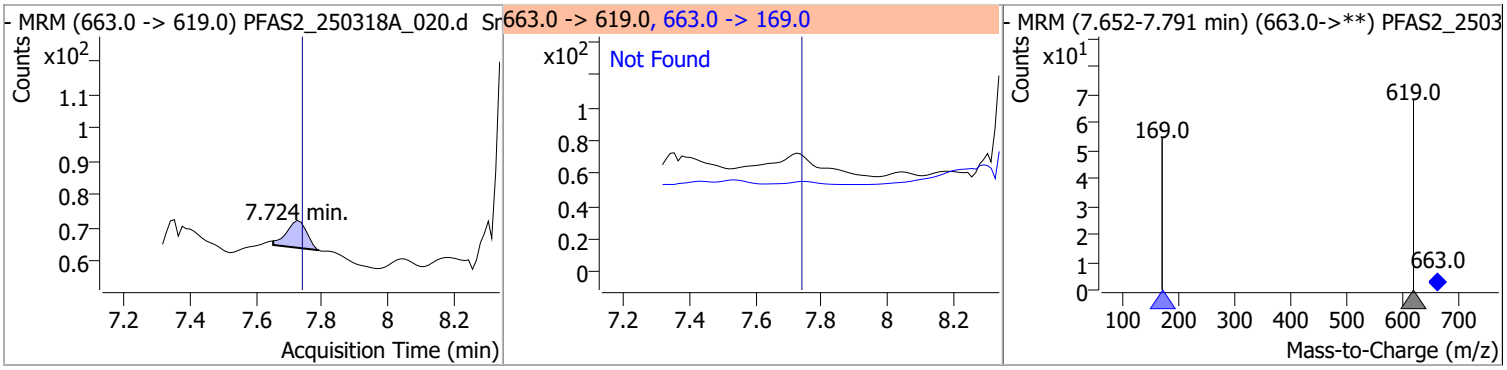
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0052	7.37	0.00	137	613.0 -> 319.0		10.2	19.0



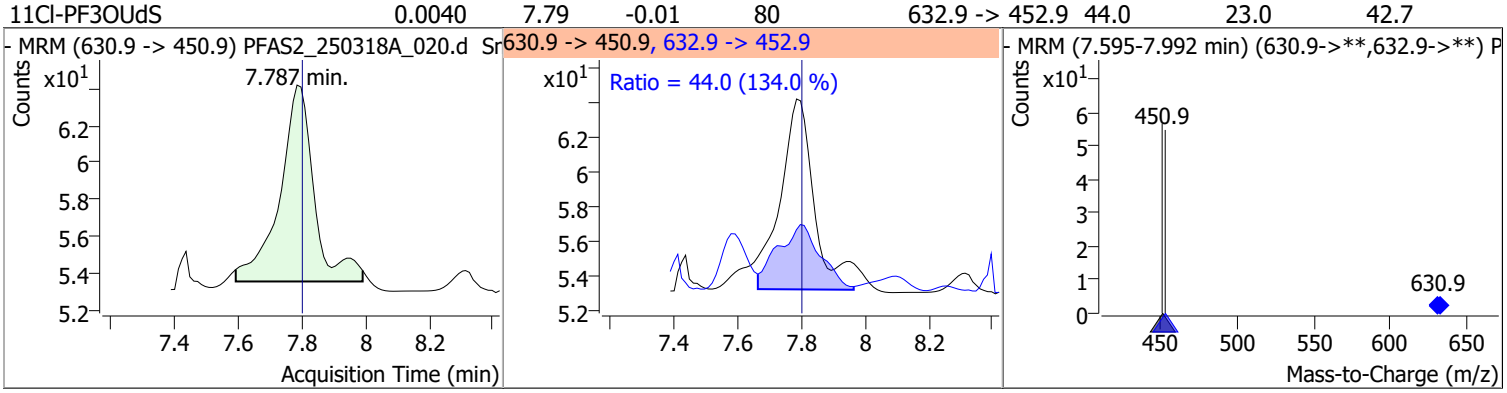
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0049	7.54	0.01	26	598.9 -> 99.0	7.7	40.4	74.9



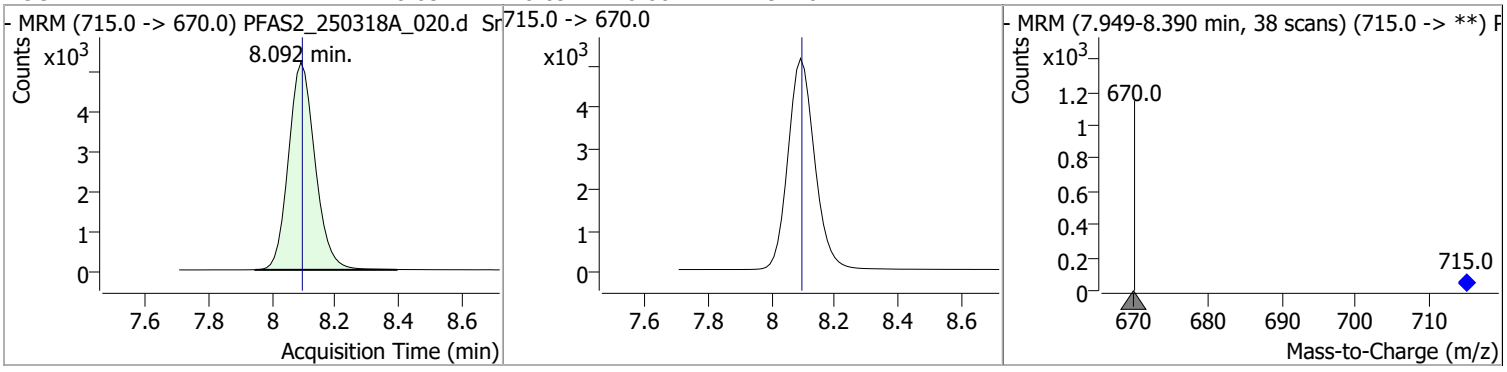
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0014	7.72	-0.01	34	663.0 -> 169.0		7.2	13.4



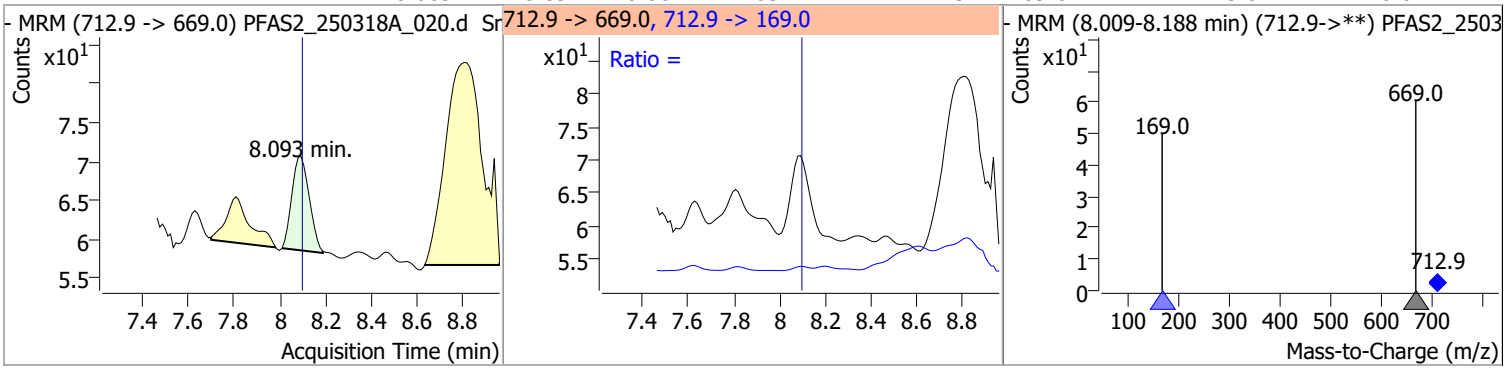
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0040	7.79	-0.01	80	632.9 -> 452.9	44.0	23.0	42.7



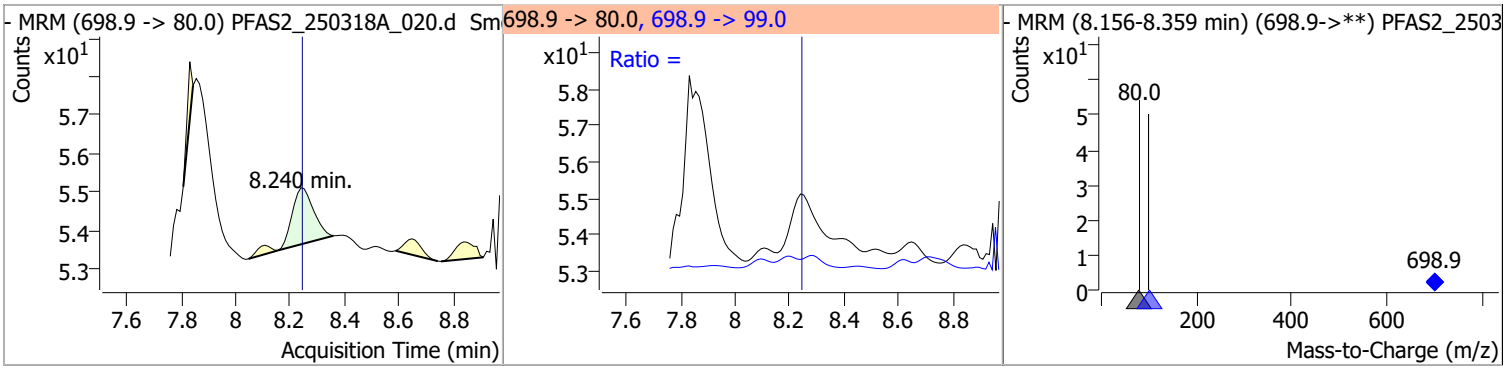
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8572	8.09	0.00	29718				



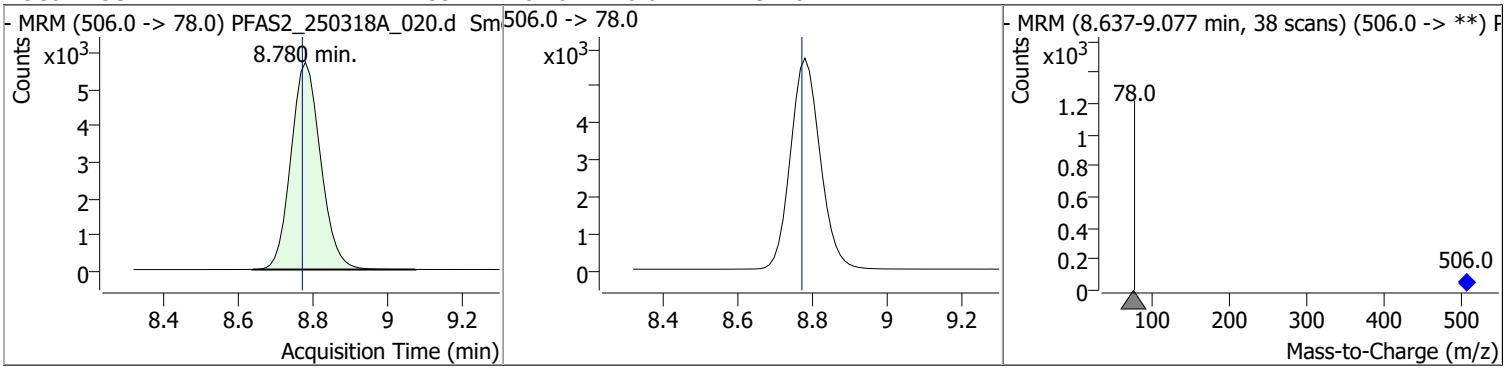
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0092	8.09	0.00	63	712.9 -> 169.0		5.8	10.8



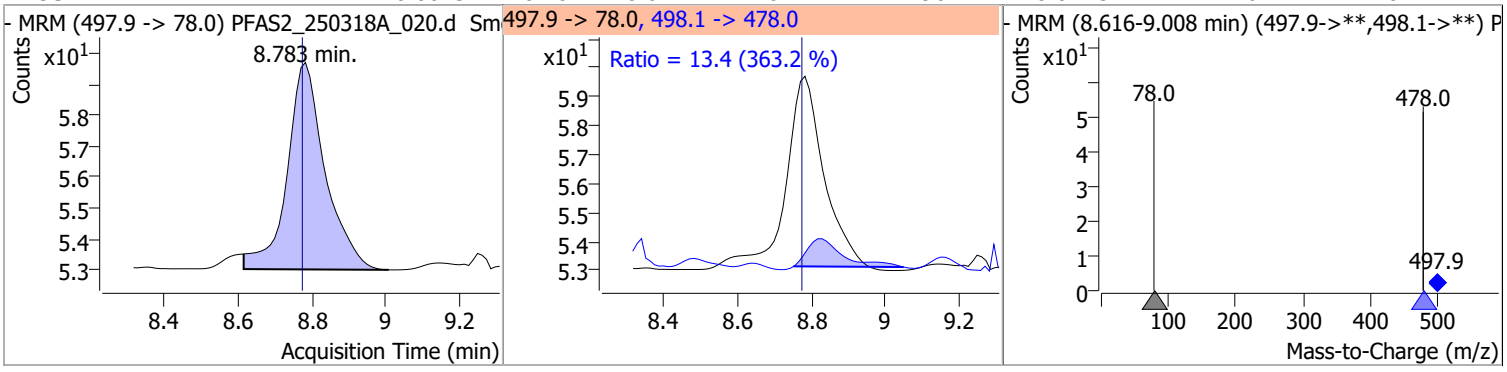
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0021	8.24	0.00	8	698.9 -> 99.0		41.0	76.1



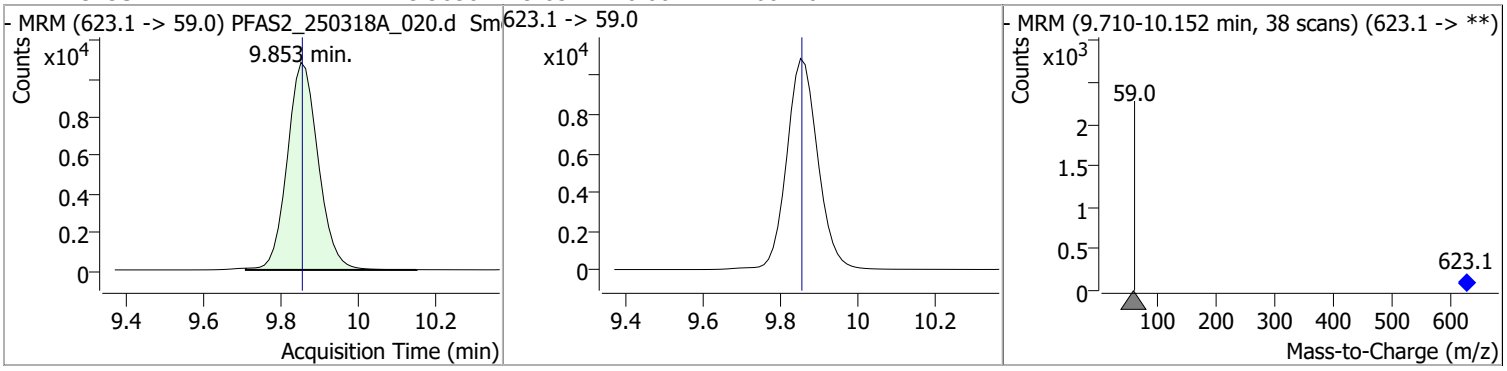
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4991	8.78	0.01	31701				



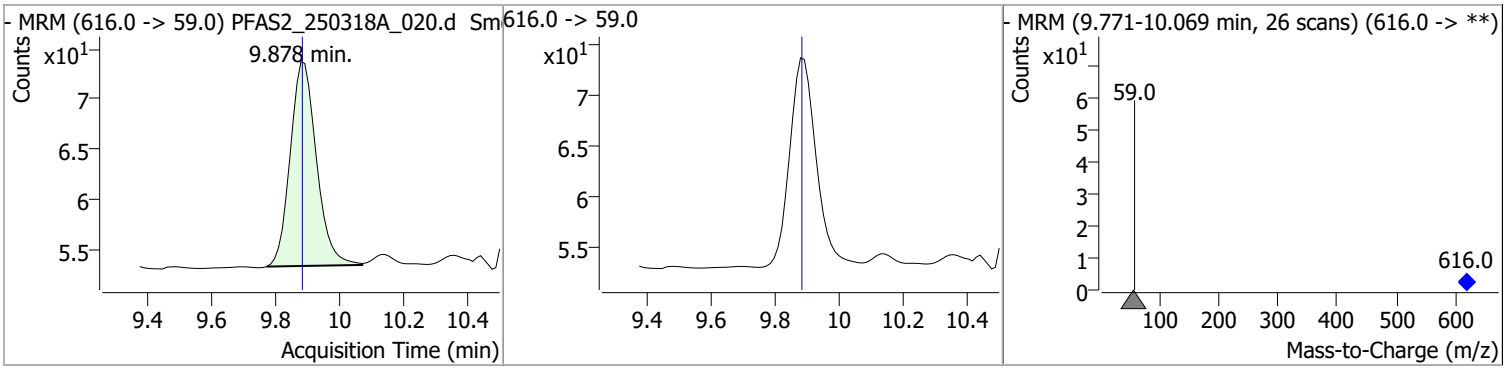
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0043	8.78	0.01	48	498.1 -> 478.0	13.4	2.6	4.8



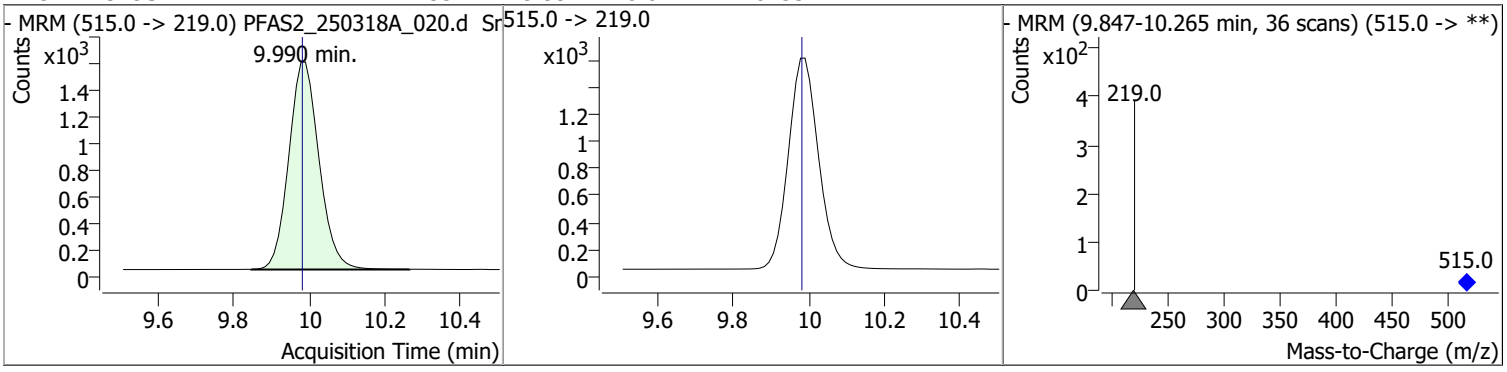
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.9858	9.85	0.00	60140				



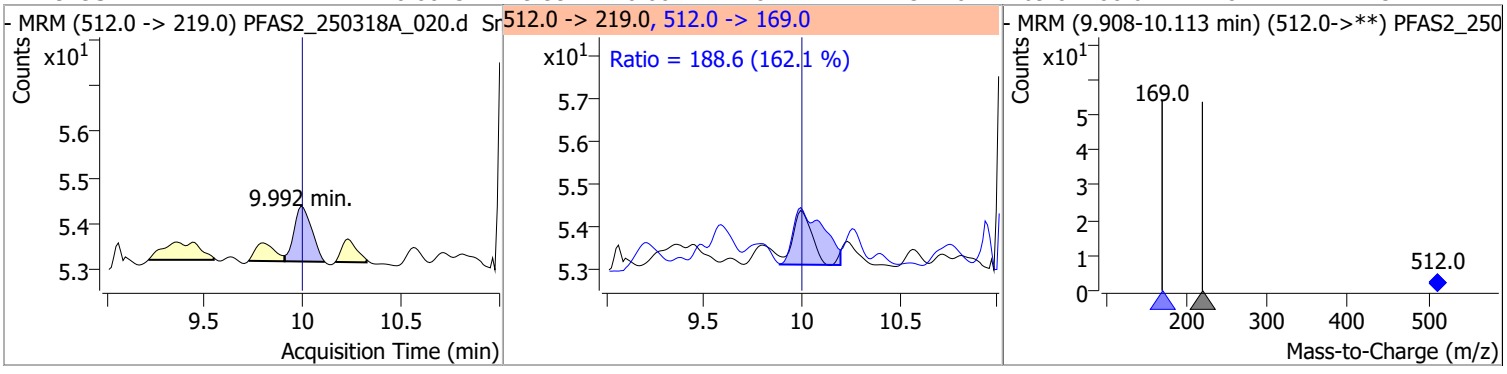
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0177	9.88	0.00	116				



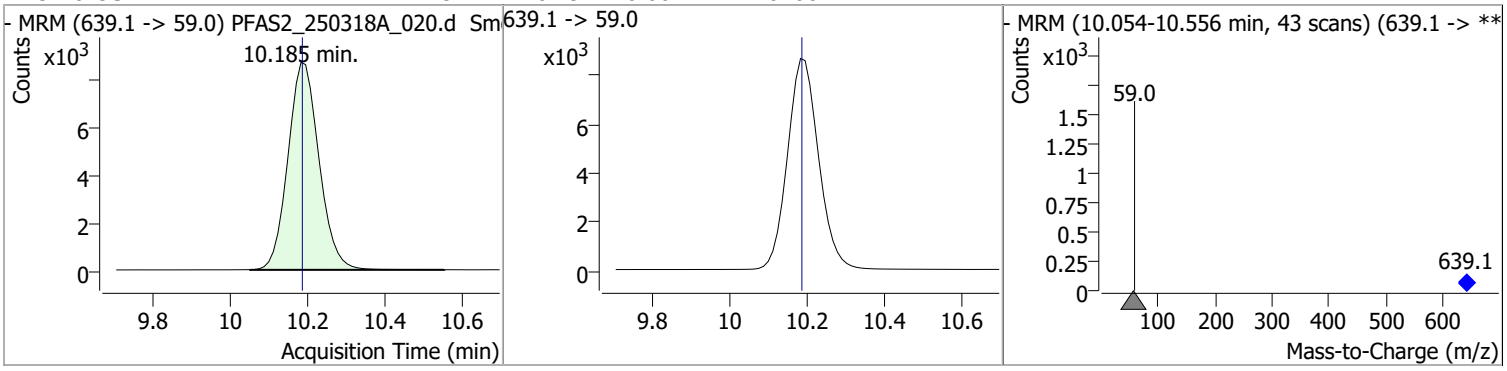
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4531	9.99	0.01	8733				



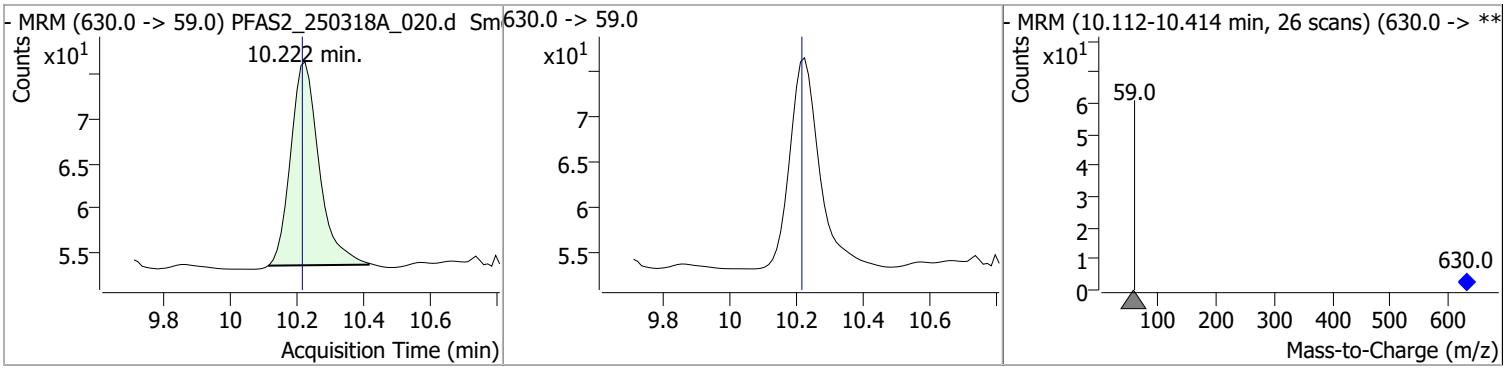
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0023	9.99	0.00	8	512.0 -> 169.0	188.6	81.4	151.2



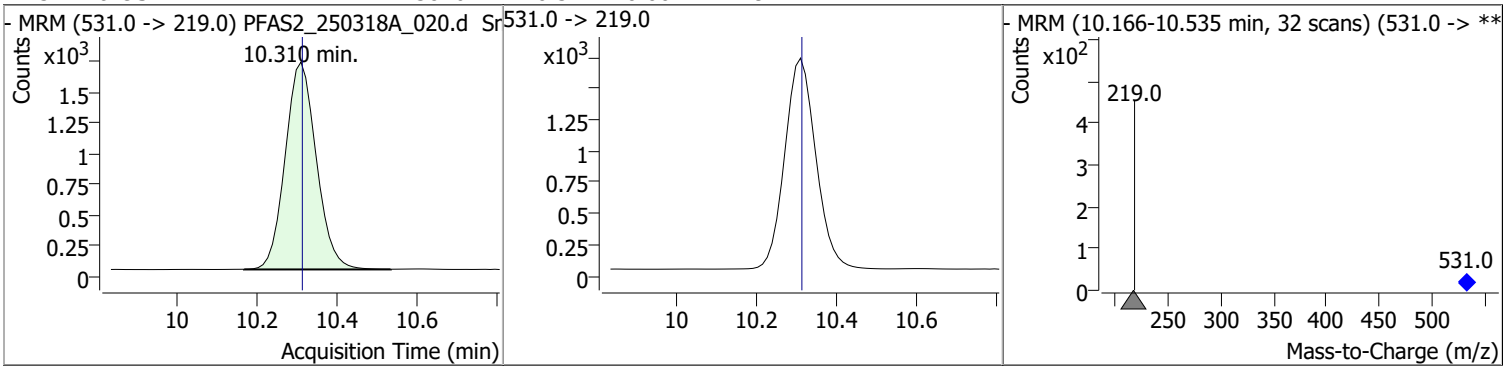
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1541	10.19	0.00	48208				



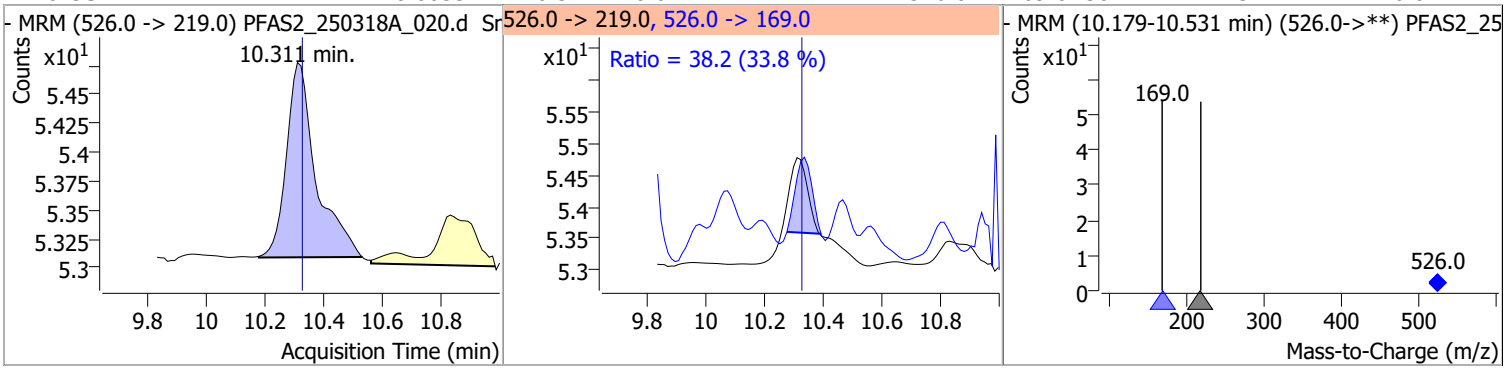
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0880	10.22	0.01	136				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3826	10.31	0.00	9171				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0033	10.31	-0.01	12	526.0 -> 169.0	38.2	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BS1	File ID:	PFAS2_250318A_021.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:14
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	21.1	0.48	3.20	6.40	
2706-90-3	PFPeA	10.0	0.14	1.60	3.20	
307-24-4	PFHxA	5.32	0.13	0.80	1.60	
375-85-9	PFHpA	5.05	0.16	0.80	1.60	
335-67-1	PFOA	5.35	0.12	0.80	1.60	
375-95-1	PFNA	4.93	0.09	0.80	1.60	
335-76-2	PFDA	5.02	0.13	0.80	1.60	
2058-94-8	PFUnA	4.84	0.19	0.80	1.60	
307-55-1	PFDoA	5.14	0.11	0.80	1.60	
72629-94-8	PFTrDA	5.61	0.07	0.80	1.60	
376-06-7	PFTeDA	5.58	0.12	0.80	1.60	
375-73-5	PFBS	4.70	0.19	0.71	1.42	
2706-91-4	PFPeS	5.02	0.21	0.76	1.51	
355-46-4	PFHxS	5.20	0.23	0.73	1.46	
375-92-8	PFHpS	5.47	0.41	0.76	1.52	
1763-23-1	PFOS	5.89	0.22	0.93	1.86	
68259-12-1	PFNS	5.68	0.20	0.77	1.54	
335-77-3	PFDS	5.45	0.14	0.77	1.54	
79780-39-5	PFDoS	4.39	0.08	0.78	1.55	
757124-72-4	4:2FTS	20.1	0.41	3.00	6.00	
27619-97-2	6:2FTS	20.3	2.77	3.04	6.08	
39108-34-4	8:2FTS	20.4	0.61	3.07	6.14	
754-91-6	PFOSA	5.20	0.10	0.80	1.60	
31506-32-8	NMeFOSA	5.30	0.26	0.80	1.60	
4151-50-2	NEtFOSA	4.75	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	5.63	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BS1	File ID:	PFAS2_250318A_021.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:14
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	4.77	0.29	0.80	1.60	
24448-09-7	NMeFOSE	60.6	1.01	8.00	16.0	
1691-99-2	NEtFOSE	52.3	1.26	8.00	16.0	
13252-13-6	HFPO-DA	10.8	0.41	1.60	3.20	
919005-14-4	ADONA	9.96	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	10.3	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	10.5	0.31	1.51	3.02	
356-02-5	3:3FTCA	13.3	0.66	3.20	6.40	
914637-49-3	5:3FTCA	96.0	3.66	16.0	32.0	
812-70-4	7:3FTCA	105	3.06	16.0	32.0	
113507-82-7	PFEESA	9.99	0.17	1.42	2.85	
377-73-1	PFMPA	8.12	0.11	1.60	3.20	
863090-89-5	PFMBA	10.2	0.12	1.60	3.20	
151772-58-6	NFDHA	11.8	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_021.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 9:14:40 PM
Sample Name	B25C0783-BS1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

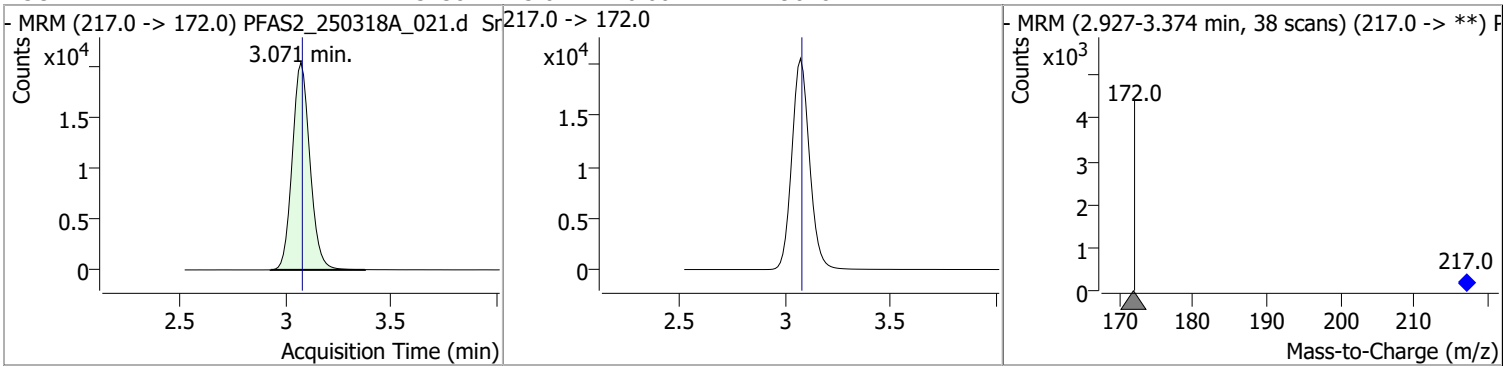
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	121442	5.0000	µg/L		-11.254
13C2-PFHxA	4.902	315.0 -> 270.0	133959	2.5000	µg/L		-12.687
18O2-PFHxS	5.955	403.0 -> 84.0	26635	2.5000	µg/L		-10.109
13C4-PFOA	5.823	417.0 -> 172.0	14443	2.5000	µg/L		-6.503
13C5-PFNA	6.226	468.0 -> 423.0	65921	1.2500	µg/L		-7.378
13C2-PFDA	6.615	515.0 -> 470.0	62114	1.2500	µg/L		-7.121
13C4-PFOS	6.771	503.0 -> 80.0	23240	2.5000	µg/L		-6.699
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	119048	10.0000	µg/L		-61.700
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.14%			
13C5-PFPeA	4.234	268.0 -> 223.0	176713	5.0000	µg/L		-14.598
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.82%			
13C5-PFPeA	4.234	268.0 -> 223.0	176713	5.0000	µg/L		-14.598
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.82%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	26844	5.0000	µg/L		6.251
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.68%			
13C5-PFHxA	4.901	318.0 -> 273.0	138675	2.5000	µg/L		-17.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.05%			
13C5-PFHxA	4.901	318.0 -> 273.0	138675	2.5000	µg/L		-17.868
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.05%			
13C3-PFBS	4.941	302.0 -> 80.0	50736	2.5000	µg/L		-16.447
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.05%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	155326	10.0000	µg/L		-11.126
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 101.78%			
13C4-PFHpA	5.397	367.0 -> 322.0	171755	2.5000	µg/L		-9.070
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.18%			
13C3-PFHxS	5.956	402.0 -> 80.0	29216	2.5000	µg/L		-16.403
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.02%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15478	5.0000	µg/L	#	4.801
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.71%			
13C8-PFOA	5.823	421.0 -> 376.0	155277	2.5000	µg/L		-10.109
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.16%			
13C3-PFHxS	5.956	402.0 -> 80.0	29216	2.5000	µg/L		-16.403
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.02%			
13C9-PFNA	6.225	472.0 -> 427.0	64566	1.2500	µg/L		-8.371
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C8-PFOS	6.771	507.0 -> 80.0	21154	2.5000	µg/L		-16.334
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.71%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10637	5.0000	µg/L	#	-10.206
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.76%			
13C6-PFDA	6.615	519.0 -> 474.0	63953	1.2500	µg/L		-5.896
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.22%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51540	5.0000	µg/L		-7.665
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.85%			
13C8-PFOS	6.771	507.0 -> 80.0	21154	2.5000	µg/L		-16.334

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.71%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	40393	5.0000	µg/L		-4.212
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.62%			
13C7-PFUnDA	6.990	570.0 -> 525.0	49711	1.2500	µg/L		-7.260
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.84%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	34615	1.2500	µg/L		-21.535
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 84.34%			
13C2-PFDoDA	7.367	615.0 -> 570.0	35995	1.2500	µg/L		-9.888
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.03%			
13C2-PFTDA	8.092	715.0 -> 670.0	33234	1.2500	µg/L		-31.170
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 73.88%			
13C8-PFOSA	8.780	506.0 -> 78.0	31184	2.5000	µg/L		-15.631
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.24%			
2H7-MeFOSE	9.853	623.1 -> 59.0	63228	25.0000	µg/L		-49.677
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.98%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8596	2.5000	µg/L		-17.101
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.64%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50000	25.0000	µg/L		-21.271
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 84.35%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9333	2.5000	µg/L		-16.971
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.00%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	21255	2.1146	µg/L		100
PFMPA	3.614	229.0 -> 85.0	12927	0.8122	µg/L		100
3-3 FTCA	3.790	241.0 -> 177.0	812	1.3311	µg/L		99
PFPeA	4.235	263.0 -> 219.0	31926	0.9995	µg/L		100
PFMBA	4.465	279.0 -> 85.0	24463	1.0182	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	32798	2.0103	µg/L		100
NFDHA	4.834	295.0 -> 201.0	1201	1.1774	µg/L		97
PFHxA	4.904	313.0 -> 269.0	26407	0.5322	µg/L		100
PFBS	4.930	298.9 -> 80.0	9884	0.4695	µg/L		91
HFPO-DA	5.087	285.0 -> 169.0	14858	1.0782	µg/L		93
PFEESA	5.201	314.9 -> 135.0	67200	0.9990	µg/L		98
PFHpA	5.398	363.0 -> 319.0	32172	0.5051	µg/L		97
5-3 FTCA	5.458	341.0 -> 237.0	36211	9.6018	µg/L		95
PFPeS	5.494	348.9 -> 80.0	7926	0.5025	µg/L		96
DONA	5.551	377.0 -> 251.0	85341	0.9961	µg/L		98
6-2 FTSA	5.642	427.0 -> 407.0	20988	2.0258	µg/L		91
PFOA	5.824	413.0 -> 369.0	30698	0.5347	µg/L		97
PFHxS	5.957	398.9 -> 80.0	5909	0.5200	µg/L		88
PFNA	6.226	463.0 -> 419.0	24487	0.4925	µg/L		97
PFHpS	6.382	448.9 -> 80.0	4812	0.5468	µg/L		96
8-2 FTSA	6.424	527.0 -> 507.0	9547	2.0413	µg/L	#	71
7-3 FTCA	6.609	441.0 -> 317.0	29775	10.4699	µg/L		94
PFDA	6.615	513.0 -> 469.0	23651	0.5023	µg/L		94
N-MeFOSAA	6.742	570.0 -> 419.0	5064	0.5631	µg/L		100
PFOS	6.772	498.9 -> 80.0	4754	0.5888	µg/L		99
N-EtFOSAA	6.953	584.0 -> 419.0	3558	0.4765	µg/L		97
PFUnDA	6.991	563.0 -> 519.0	17414	0.4835	µg/L	#	84
9Cl-PF3ONS	7.053	530.9 -> 350.9	47493	1.0294	µg/L		95
PFNS	7.159	548.9 -> 80.0	4098	0.5679	µg/L		89
PFDoDA	7.368	613.0 -> 569.0	13567	0.5141	µg/L		95
PFDS	7.525	598.9 -> 80.0	2938	0.5449	µg/L		95
PFTrDA	7.724	663.0 -> 619.0	14633	0.5610	µg/L		94

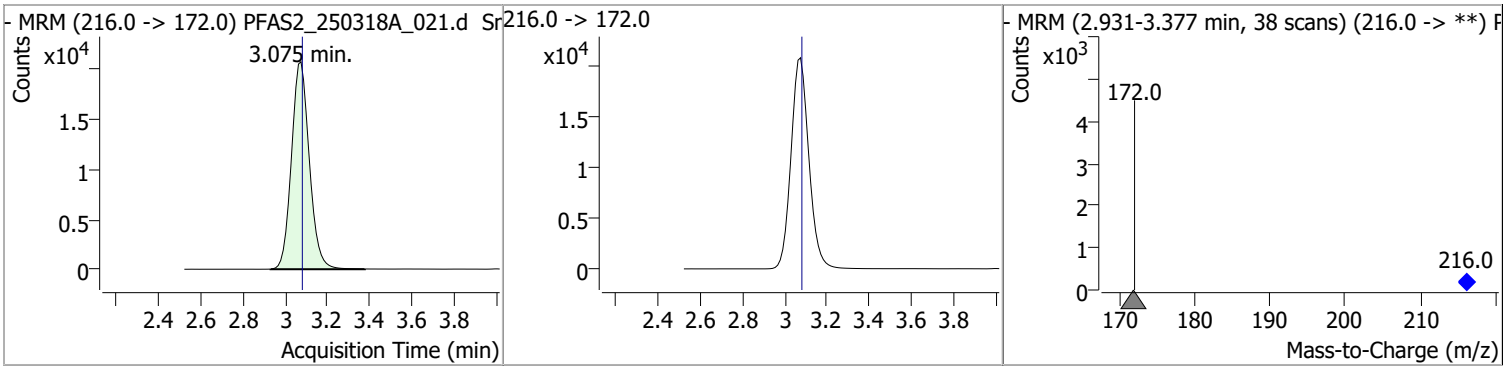
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
11Cl-PF3OUdS	7.799	630.9 -> 450.9	21536	1.0468	µg/L	99
PFTDA	8.093	712.9 -> 669.0	11233	0.5578	µg/L	96
PFDoS	8.240	698.9 -> 80.0	1655	0.4390	µg/L	89
PFOSA	8.783	497.9 -> 78.0	5634	0.5198	µg/L	97
MeFOSE	9.878	616.0 -> 59.0	11626	6.0630	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	1713	0.5297	µg/L	99
EtFOSE	10.210	630.0 -> 59.0	9364	5.2262	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	1709	0.4747	µg/L	92

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

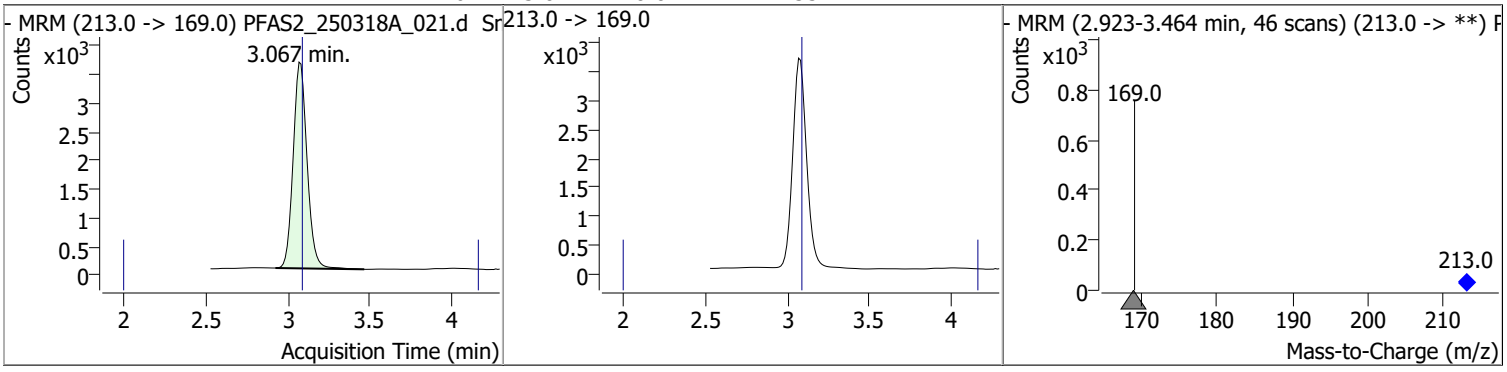
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.3138	3.07	0.00	119048				



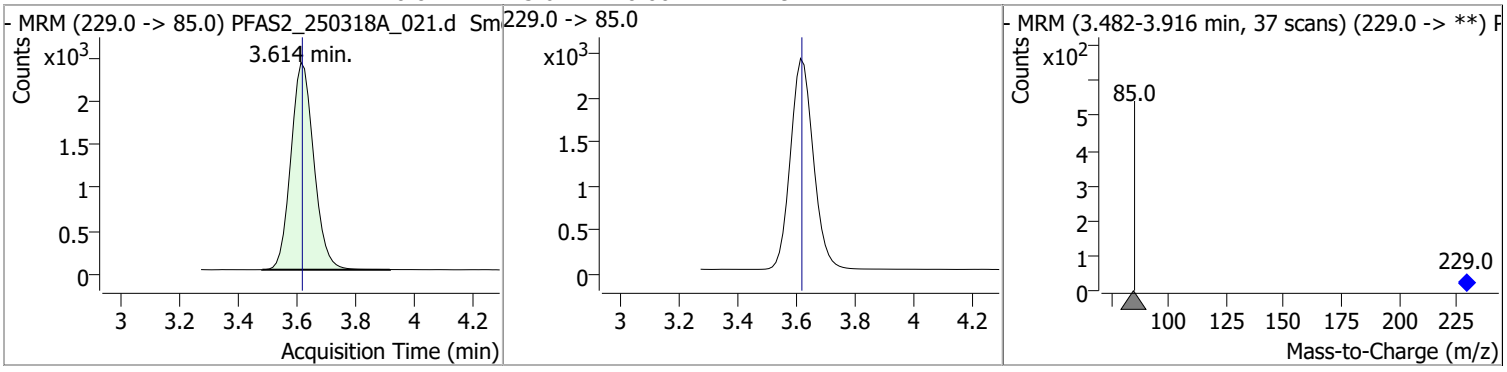
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	121442				



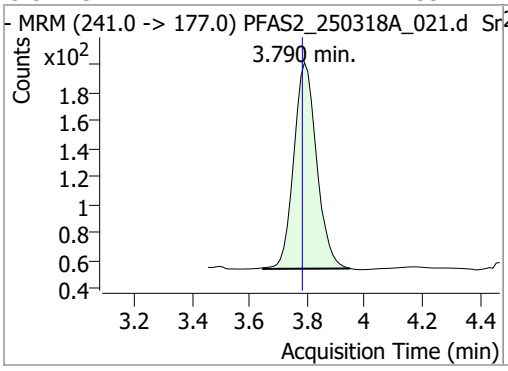
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.1146	3.07	-0.01	21255				

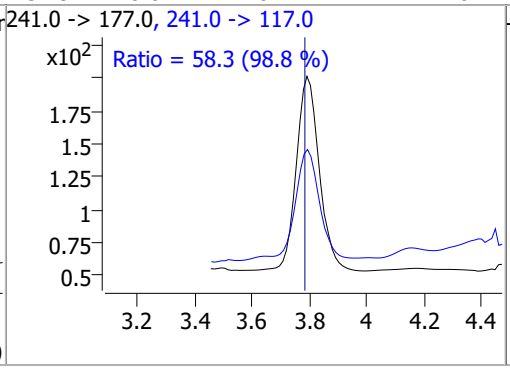


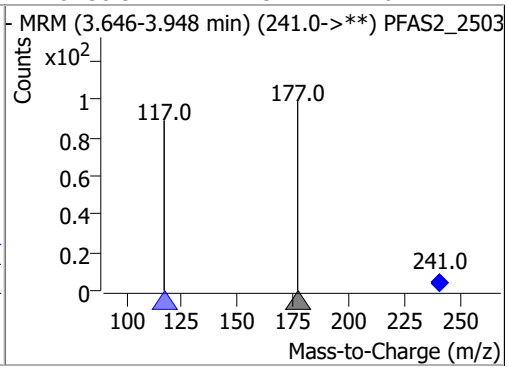
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.8122	3.61	0.00	12927				



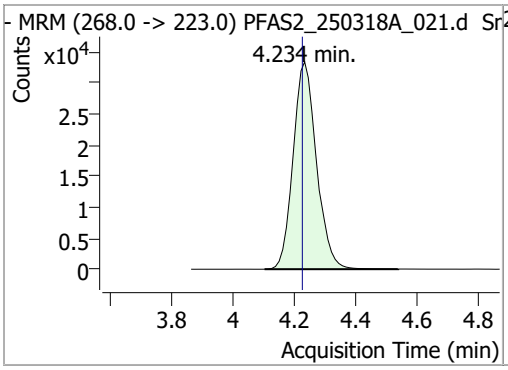
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	1.3311	3.79	0.01	812	241.0 -> 117.0	58.3	41.3	76.7

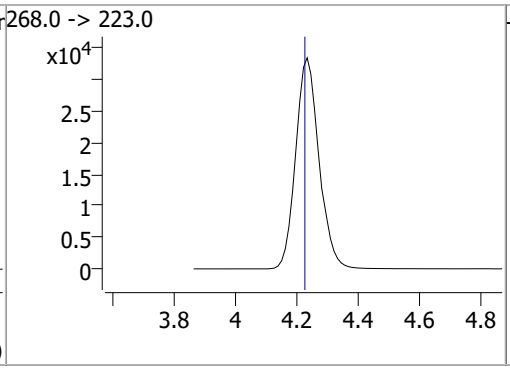


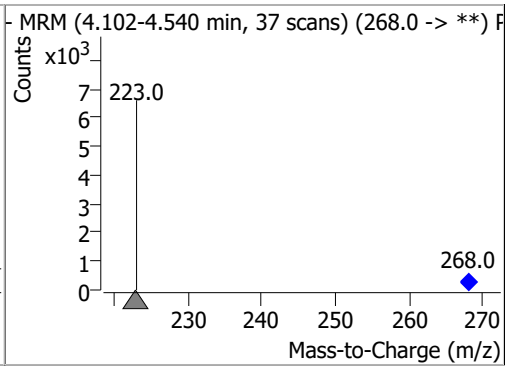




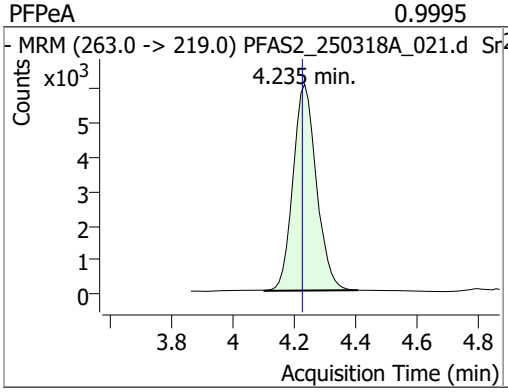
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8909	4.23	0.01	176713				

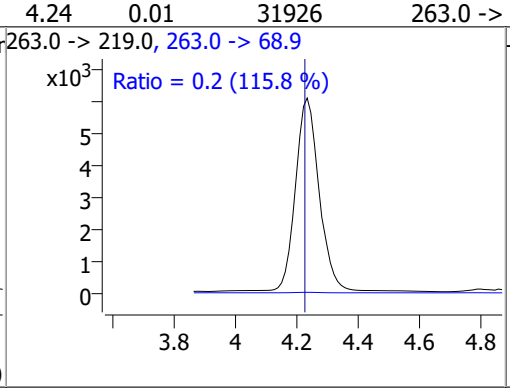


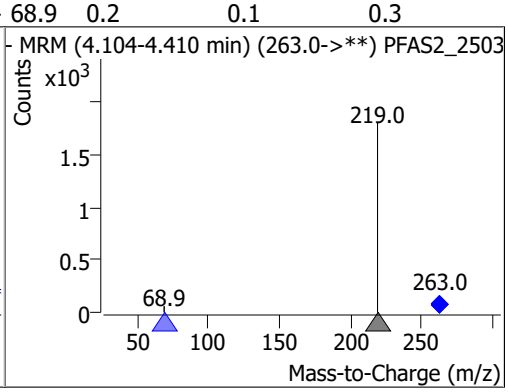




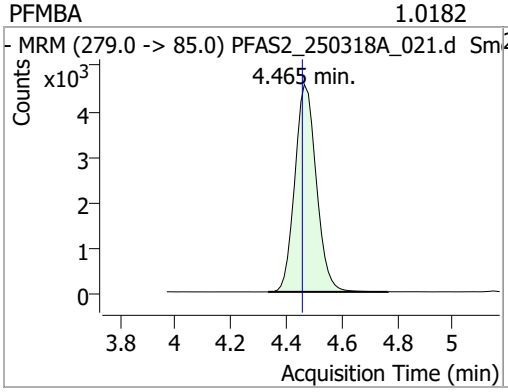
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.9995	4.24	0.01	31926	263.0 -> 68.9	0.2	0.1	0.3

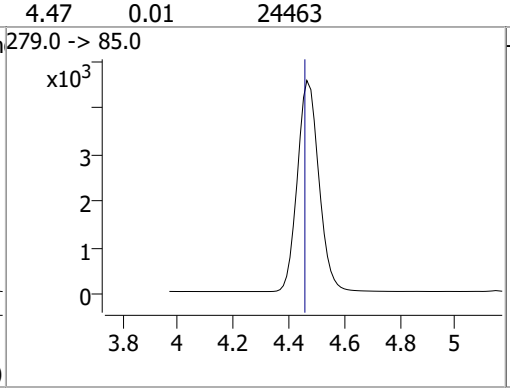


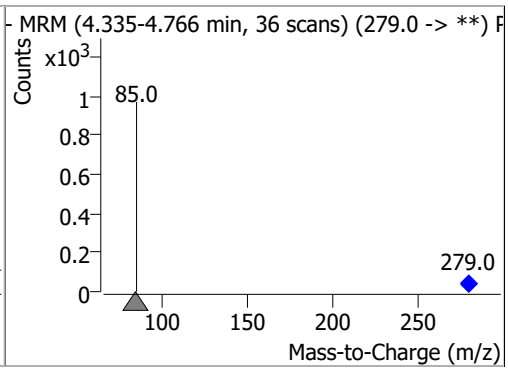




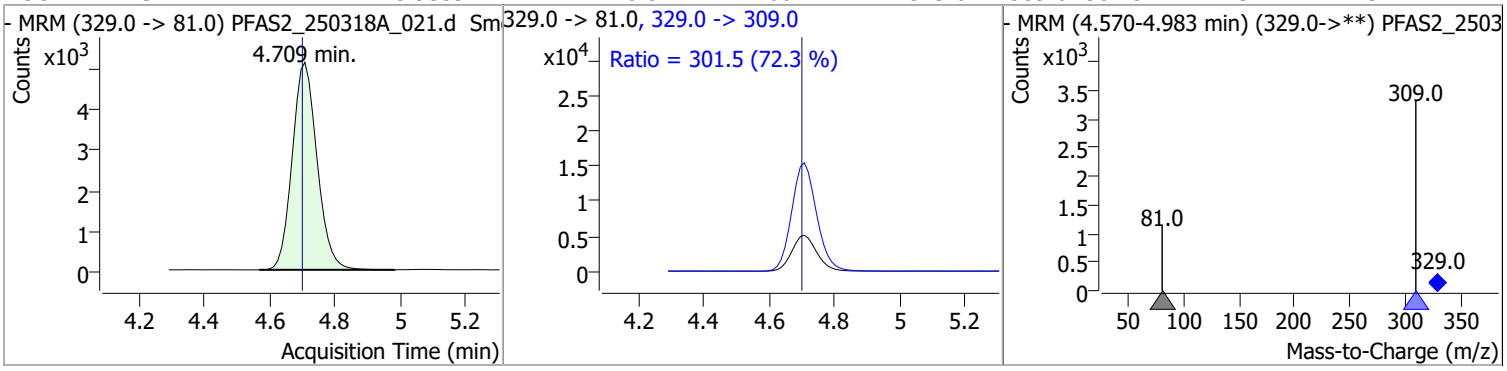
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.0182	4.47	0.01	24463				



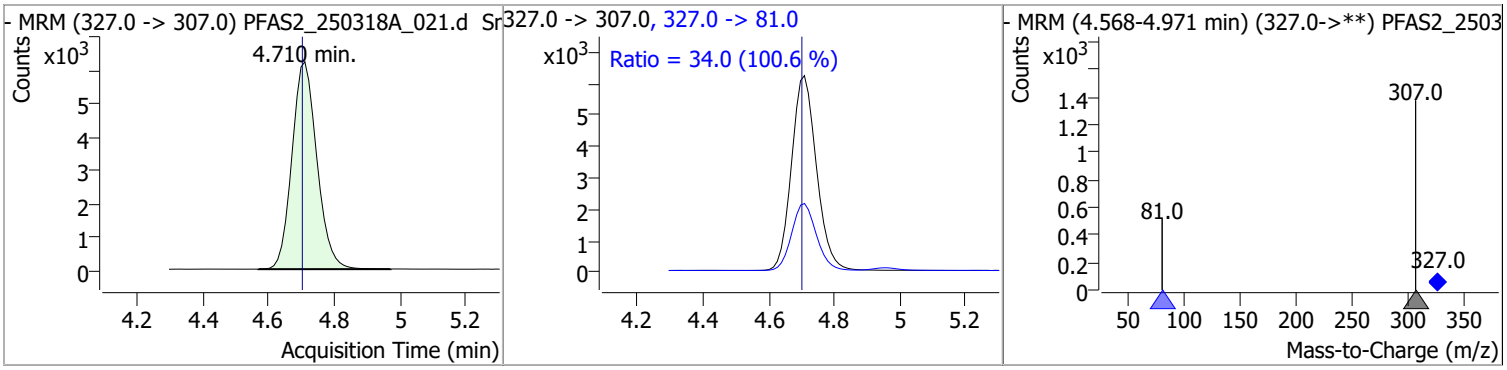




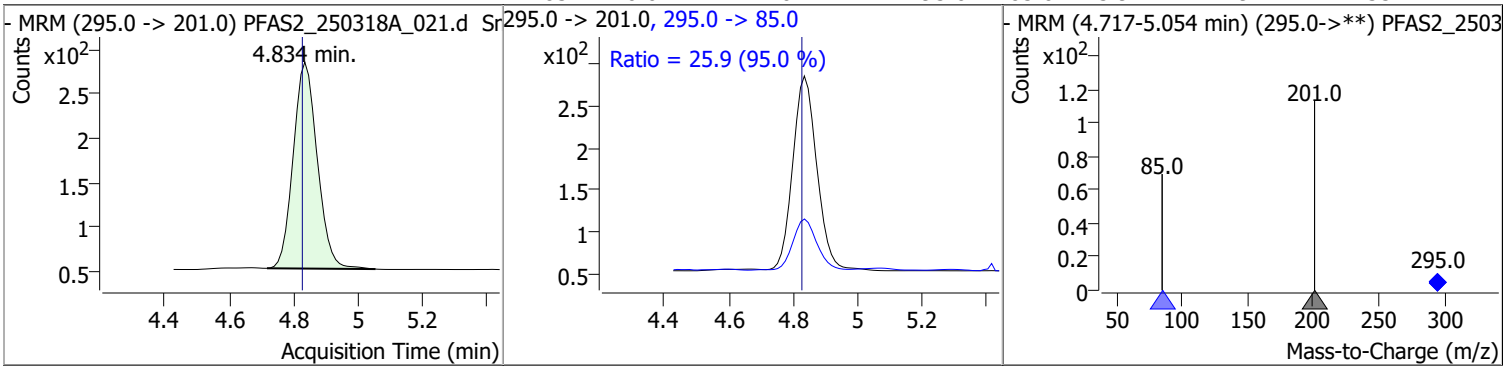
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9339	4.71	0.01	26844	329.0 -> 309.0	301.5	292.1	542.4



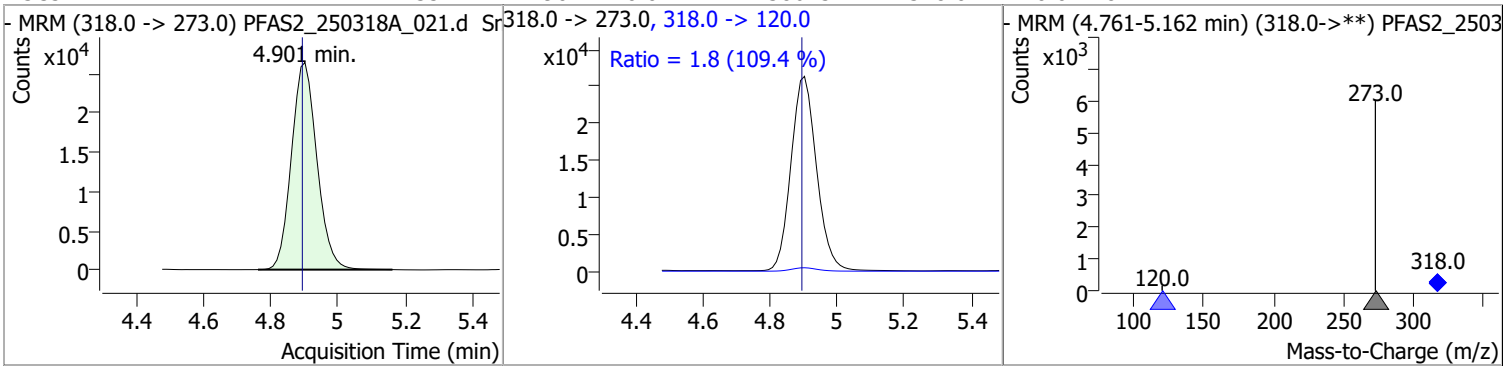
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	2.0103	4.71	0.01	32798	327.0 -> 81.0	34.0	23.6	43.9



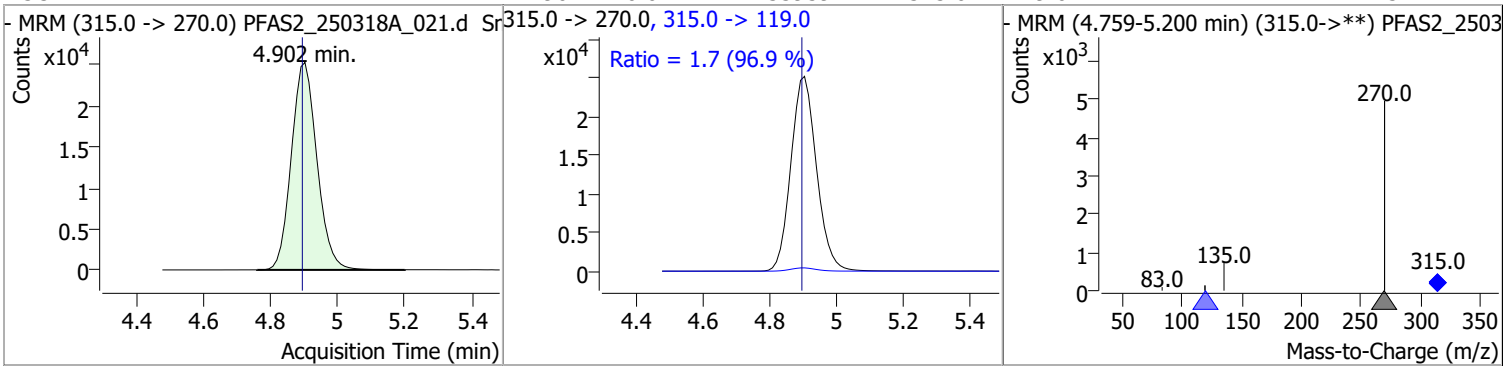
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	1.1774	4.83	0.01	1201	295.0 -> 85.0	25.9	19.1	35.4



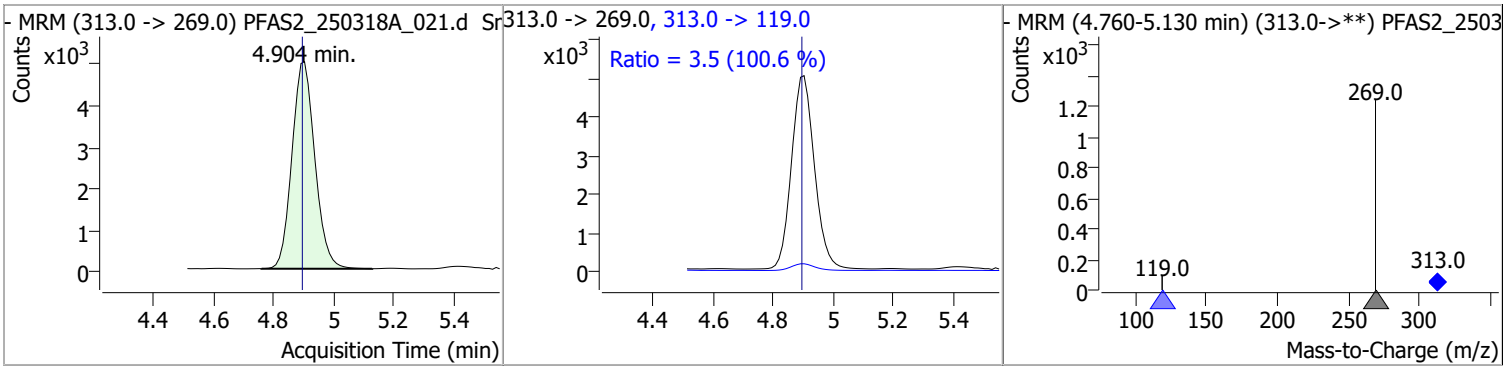
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3512	4.90	0.01	138675	318.0 -> 120.0	1.8	1.1	2.1



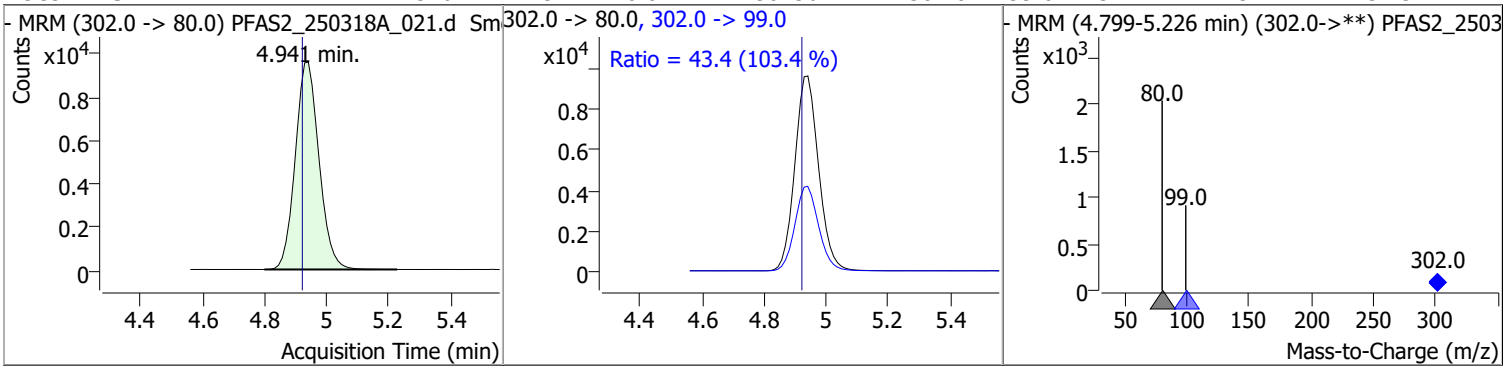
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	133959	315.0 -> 119.0	1.7	1.2	2.3



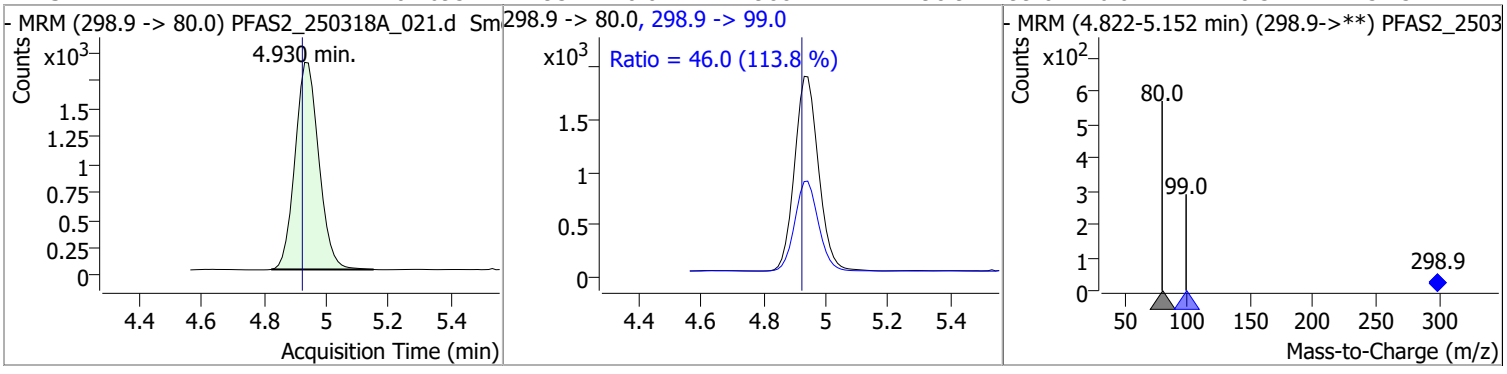
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5322	4.90	0.01	26407	313.0 -> 119.0	3.5	2.4	4.5



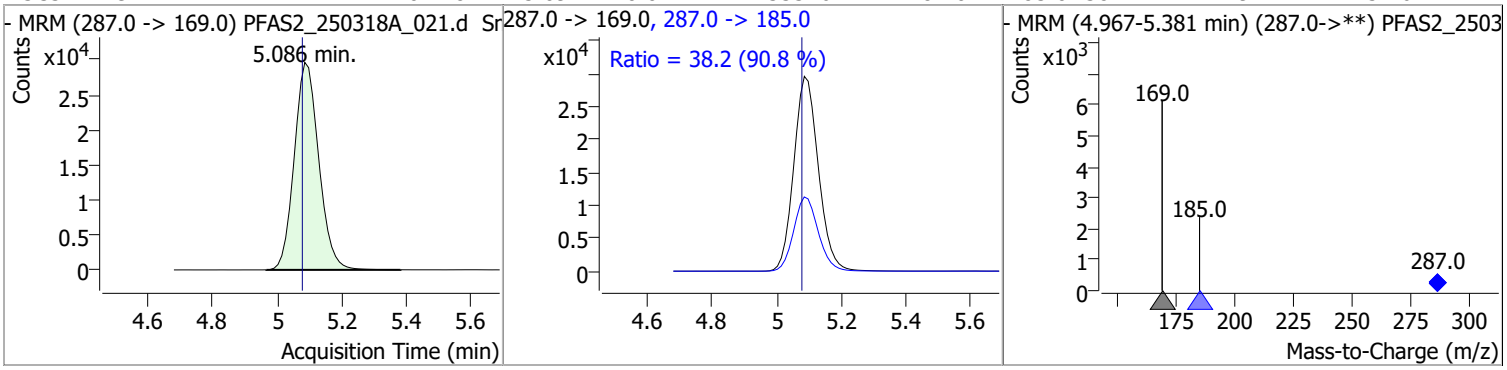
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3262	4.94	0.02	50736	302.0 -> 99.0	43.4	29.4	54.5



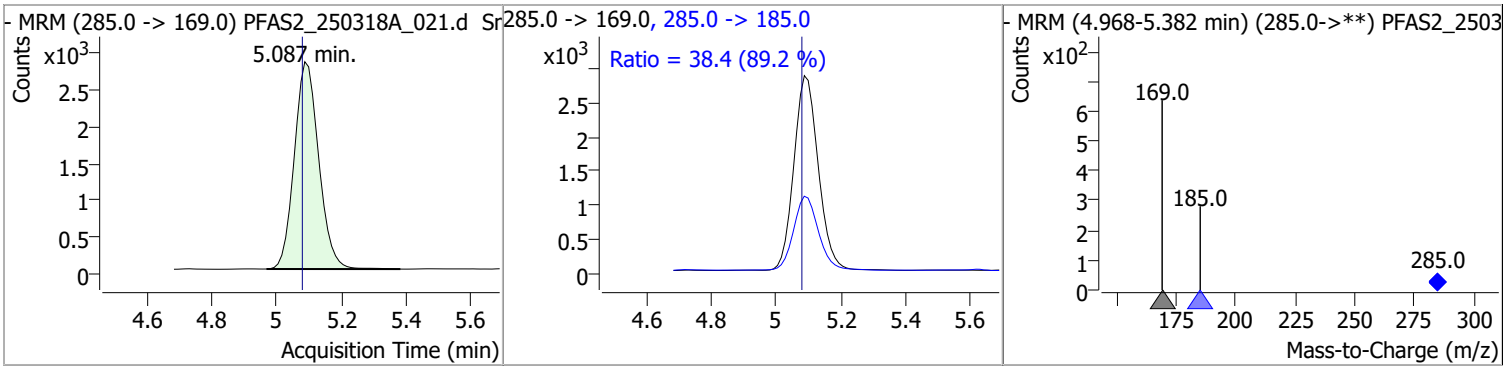
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.4695	4.93	0.01	9884	298.9 -> 99.0	46.0	28.3	52.5



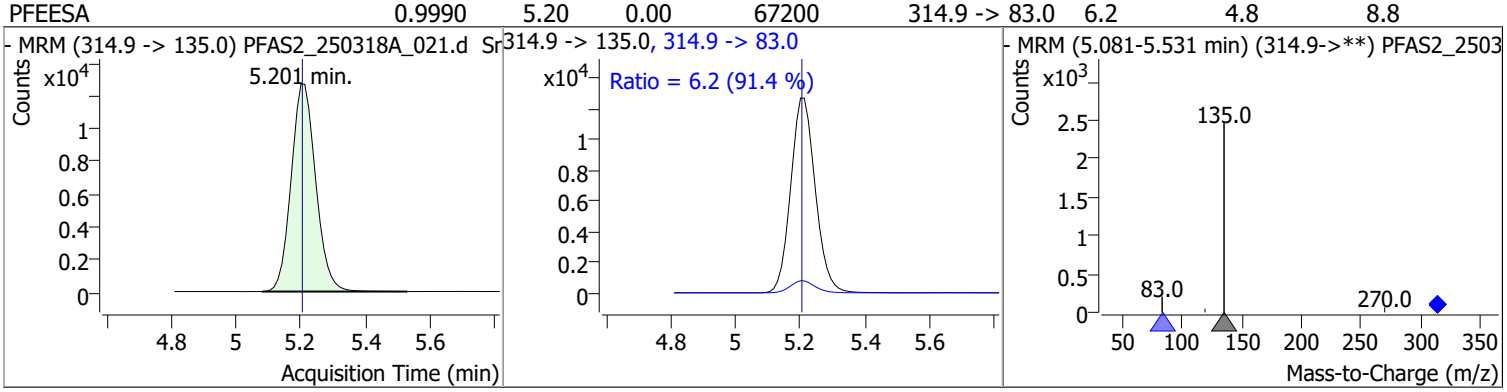
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.1784	5.09	0.01	155326	287.0 -> 185.0	38.2	29.4	54.6



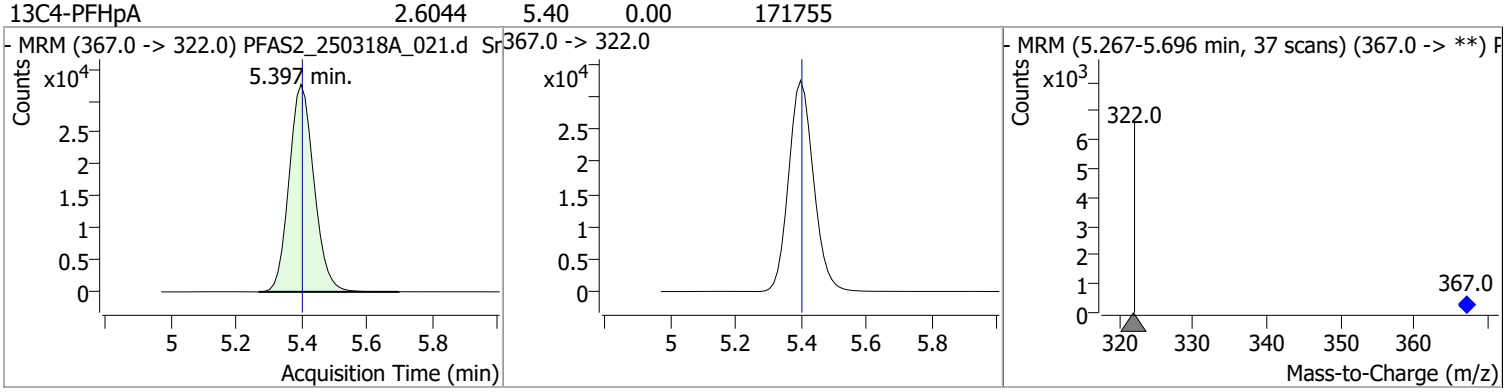
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	1.0782	5.09	0.01	14858	285.0 -> 185.0	38.4	30.1	56.0



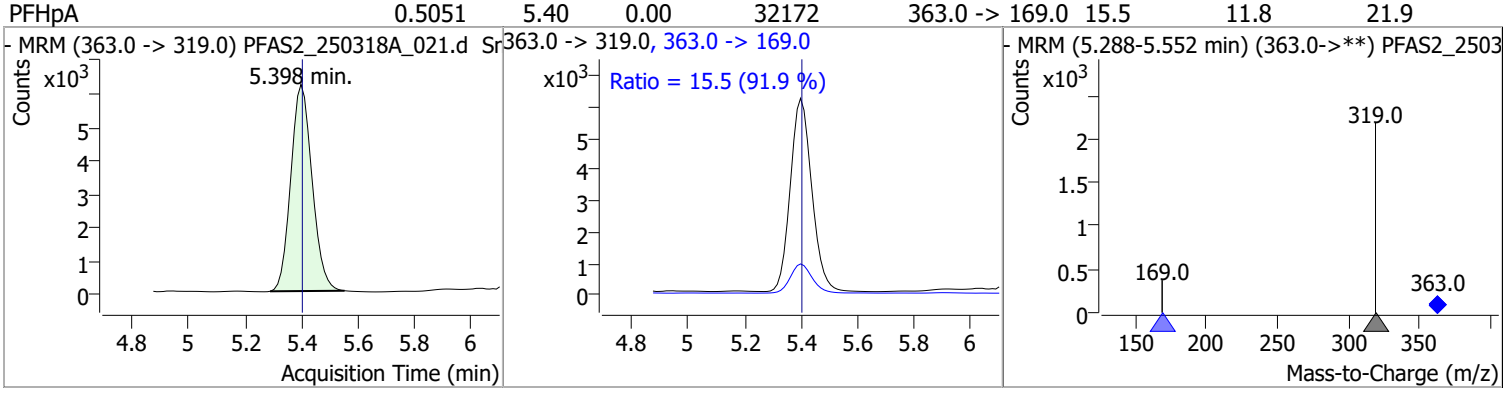
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.9990	5.20	0.00	67200	314.9 -> 83.0	6.2	4.8	8.8



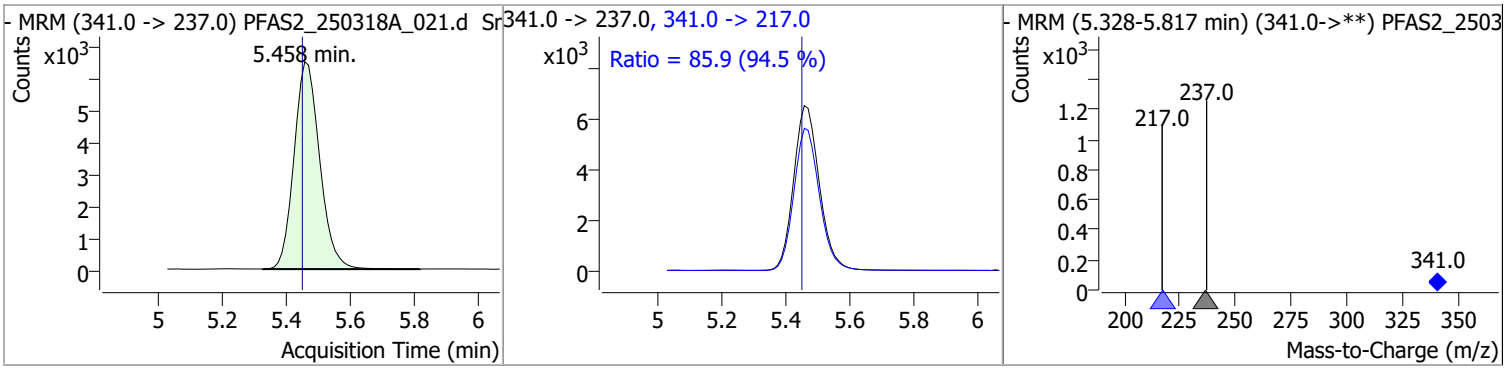
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6044	5.40	0.00	171755				



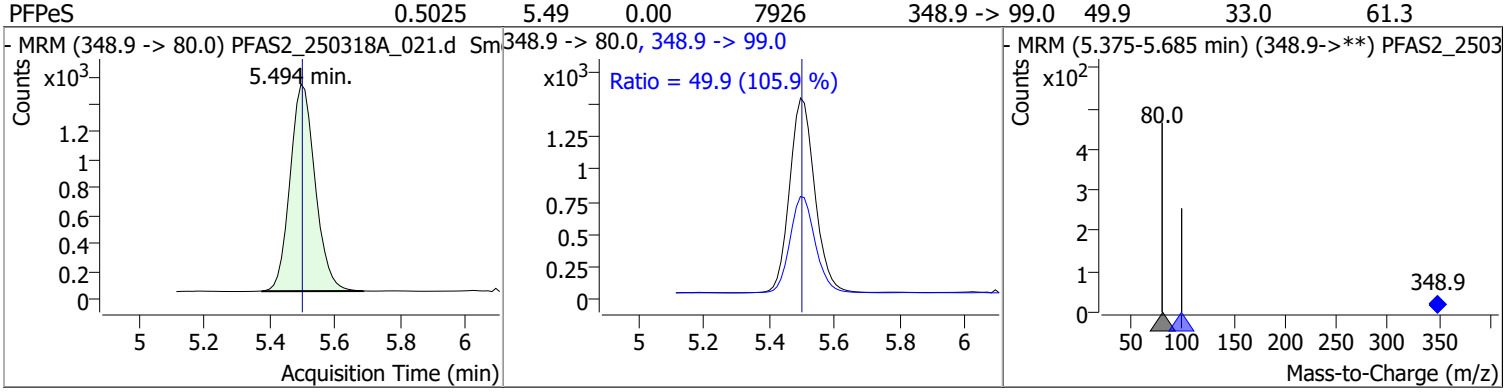
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.5051	5.40	0.00	32172	363.0 -> 169.0	15.5	11.8	21.9



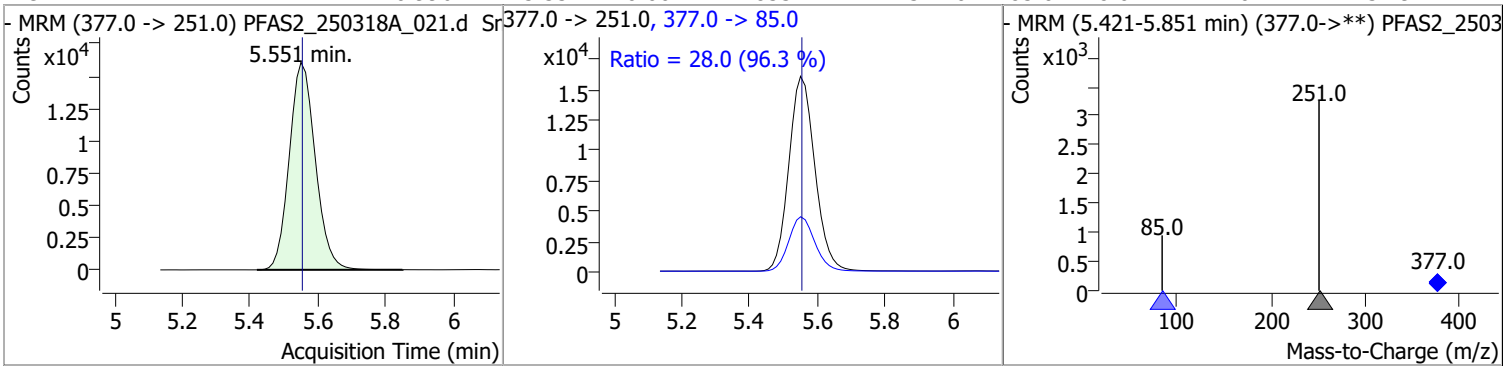
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	9.6018	5.46	0.01	36211	341.0 -> 217.0	85.9	63.6	118.1



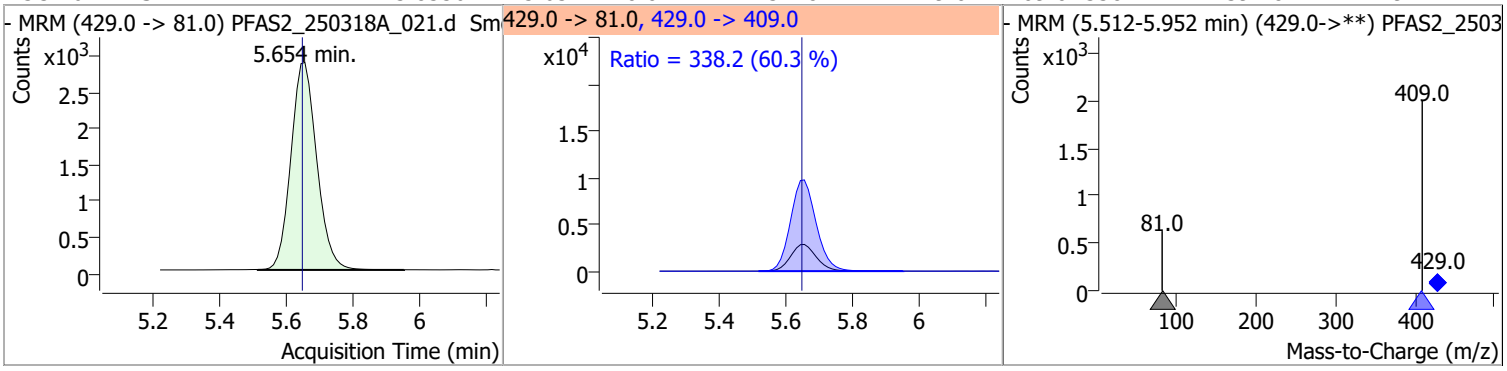
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.5025	5.49	0.00	7926	348.9 -> 99.0	49.9	33.0	61.3



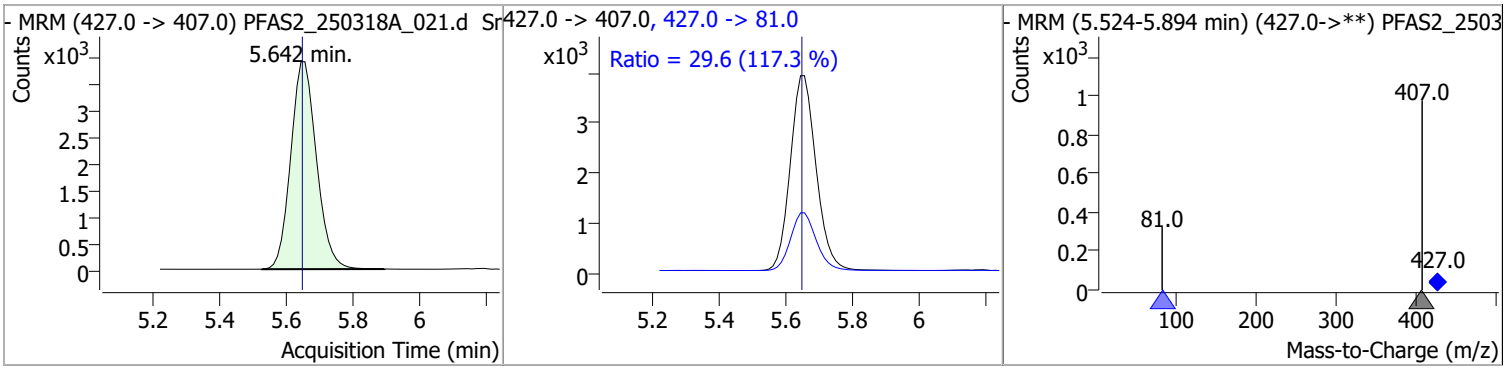
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9961	5.55	0.00	85341	377.0 -> 85.0	28.0	20.4	37.9



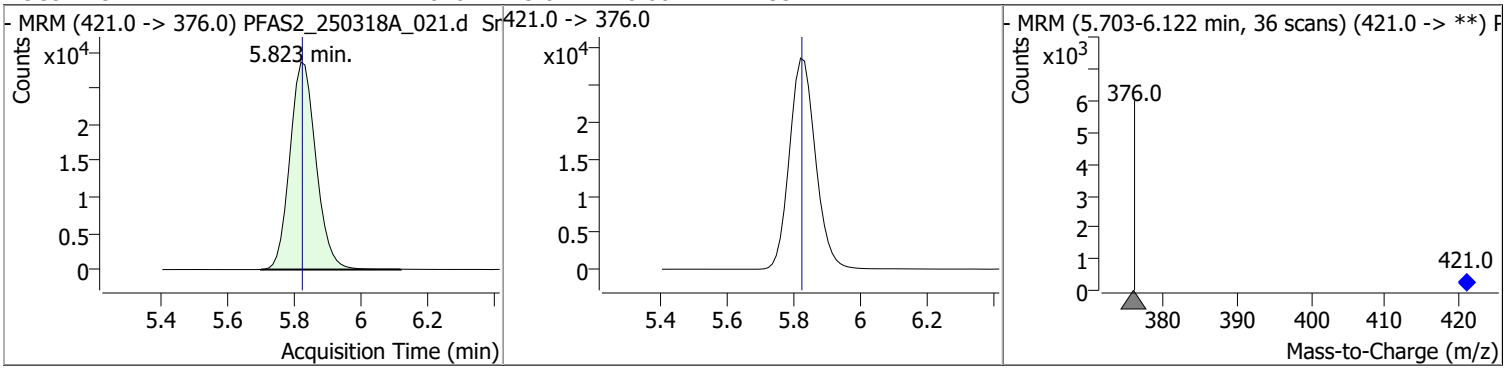
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8356	5.65	0.01	15478	429.0 -> 409.0	338.2	392.8	729.4



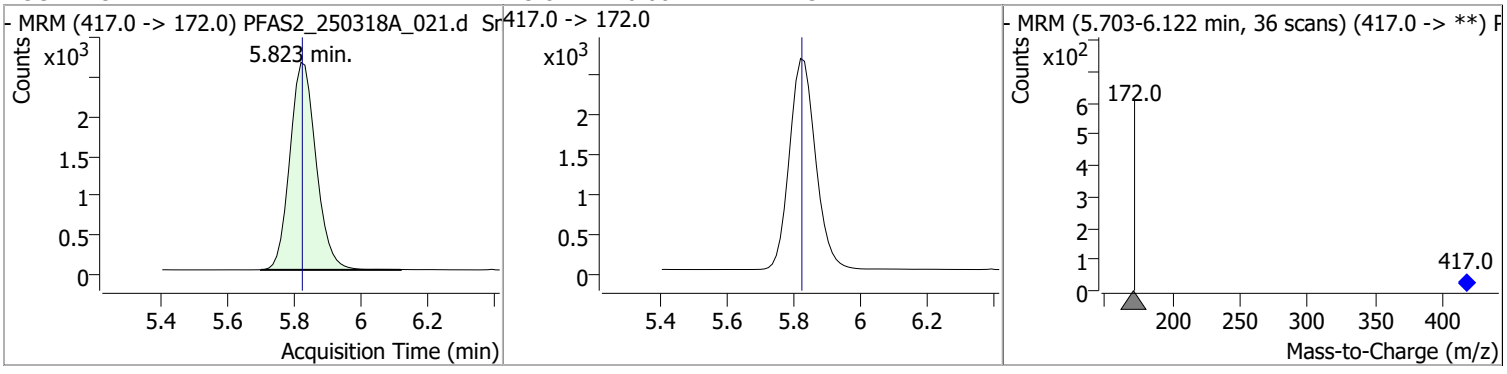
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	2.0258	5.64	0.00	20988	427.0 -> 81.0	29.6	17.7	32.8



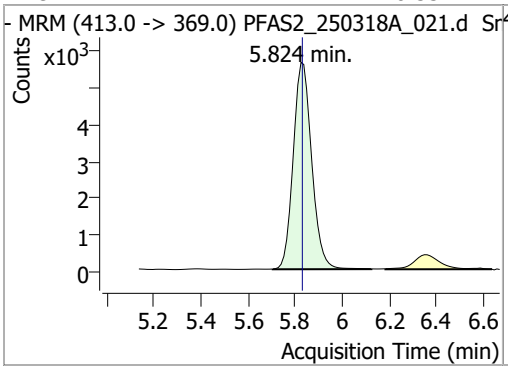
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4040	5.82	0.00	155277				

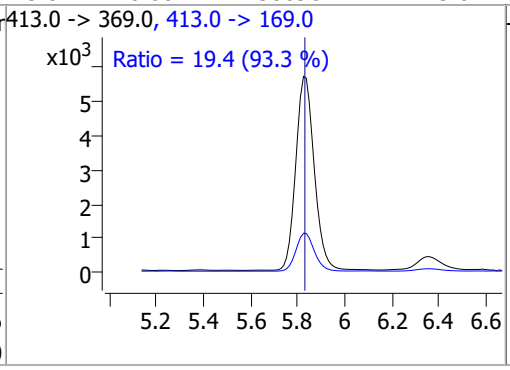


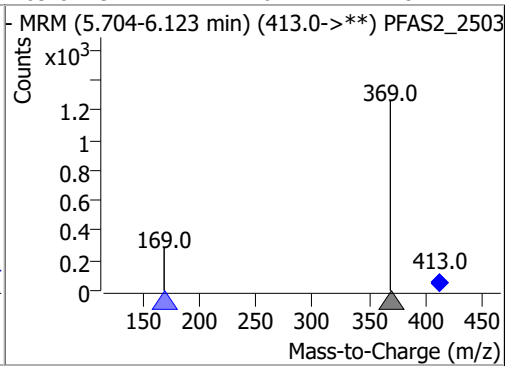
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14443				



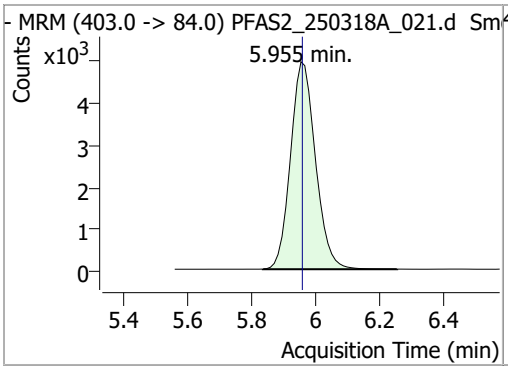
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5347	5.82	0.00	30698	413.0 -> 169.0	19.4	14.6	27.0

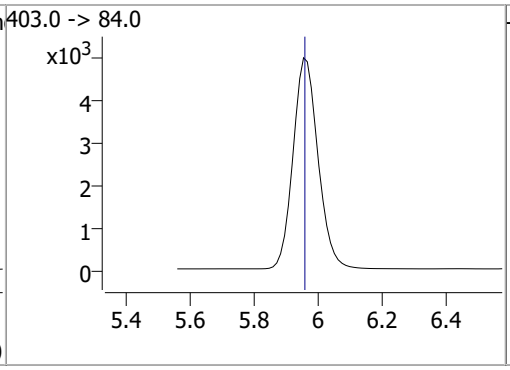


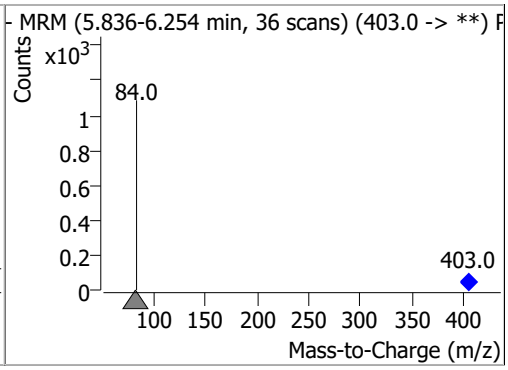




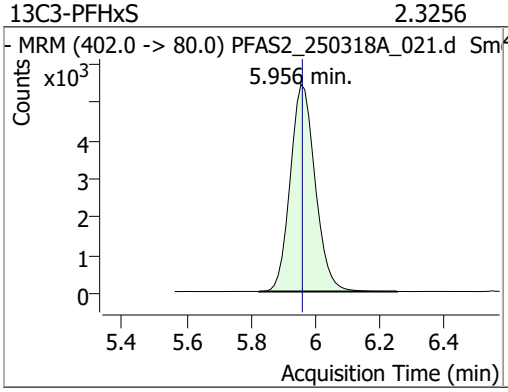
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26635				

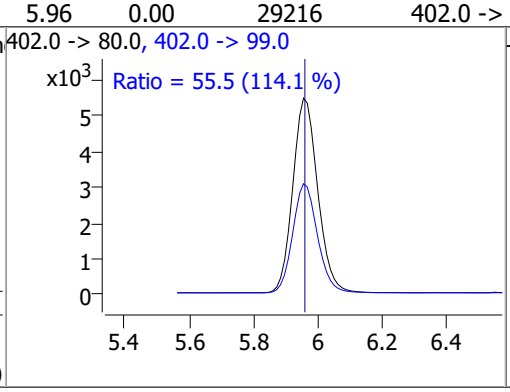


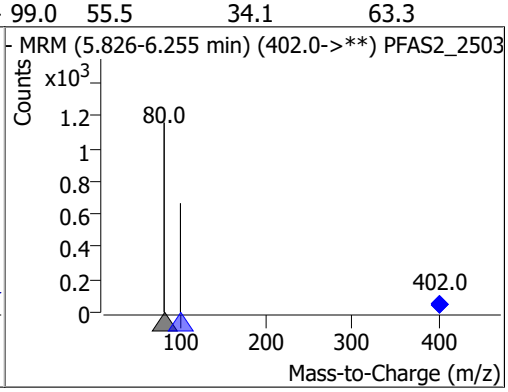




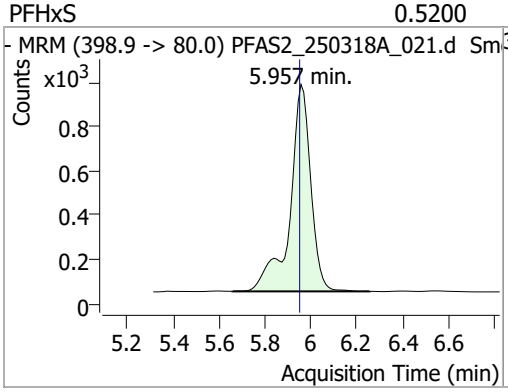
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3256	5.96	0.00	29216	402.0 -> 99.0	55.5	34.1	63.3

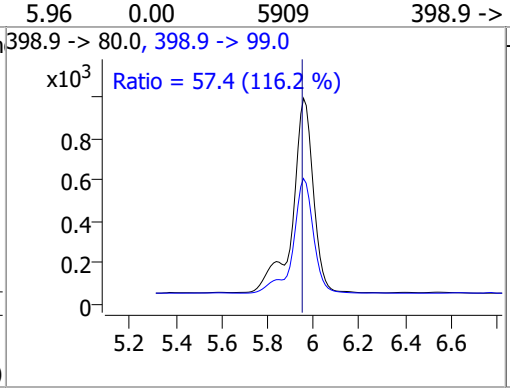


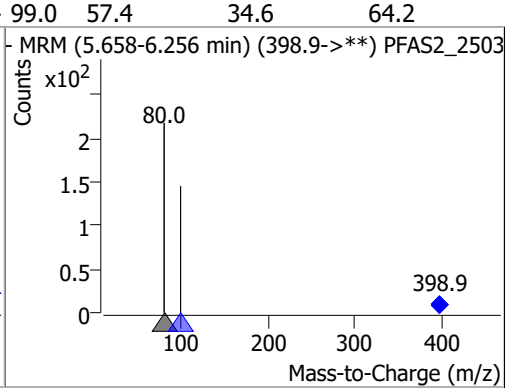




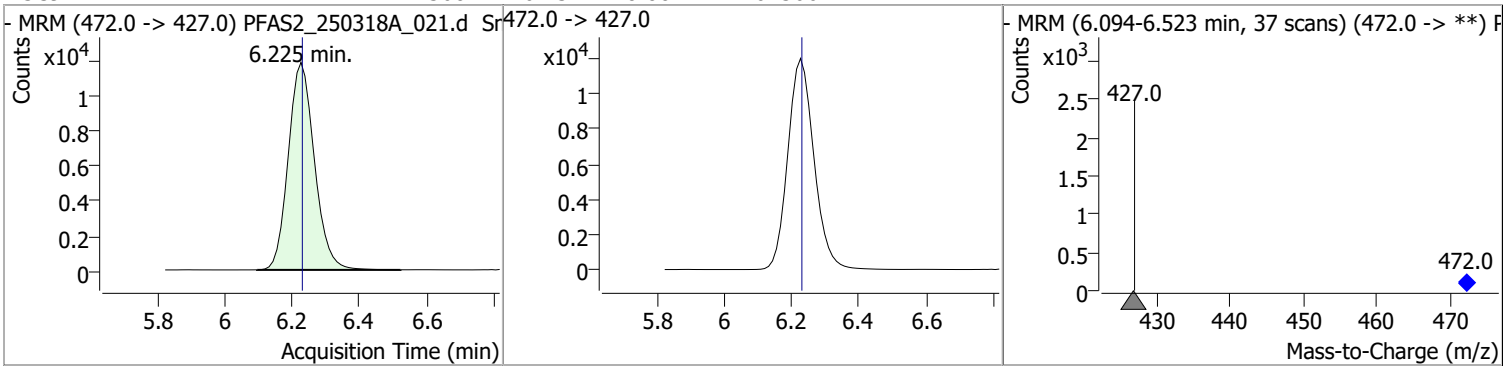
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.5200	5.96	0.00	5909	398.9 -> 99.0	57.4	34.6	64.2



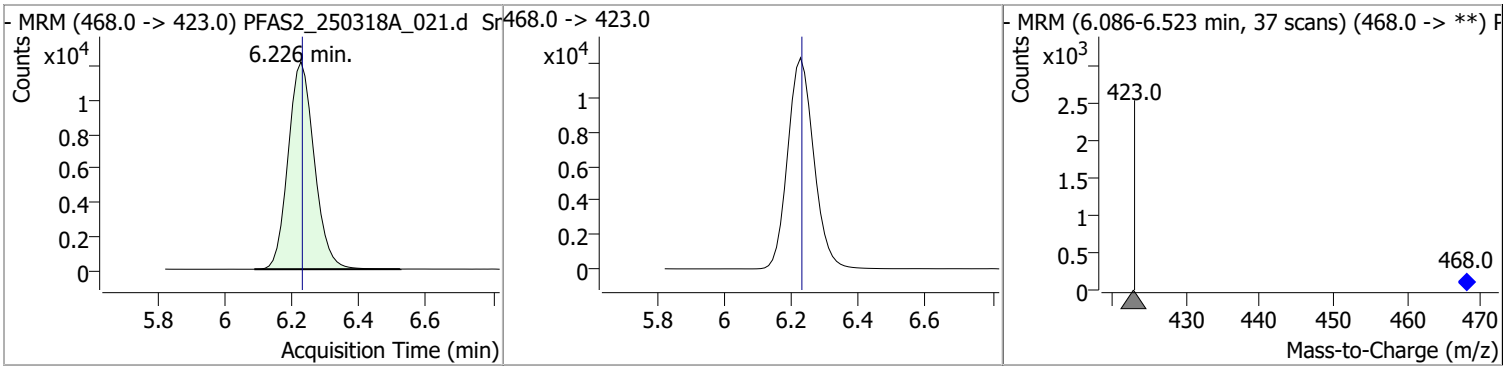




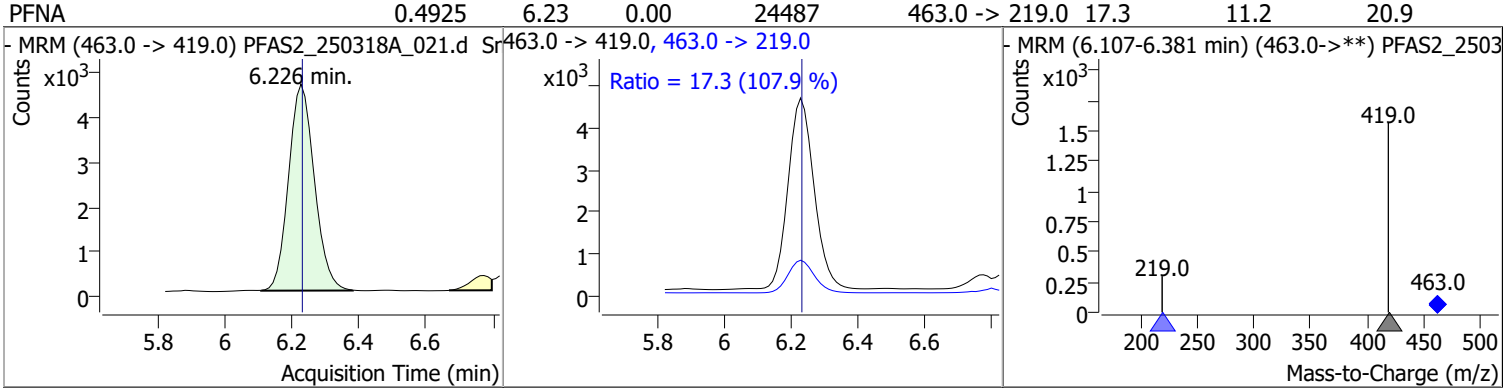
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2360	6.23	0.00	64566				



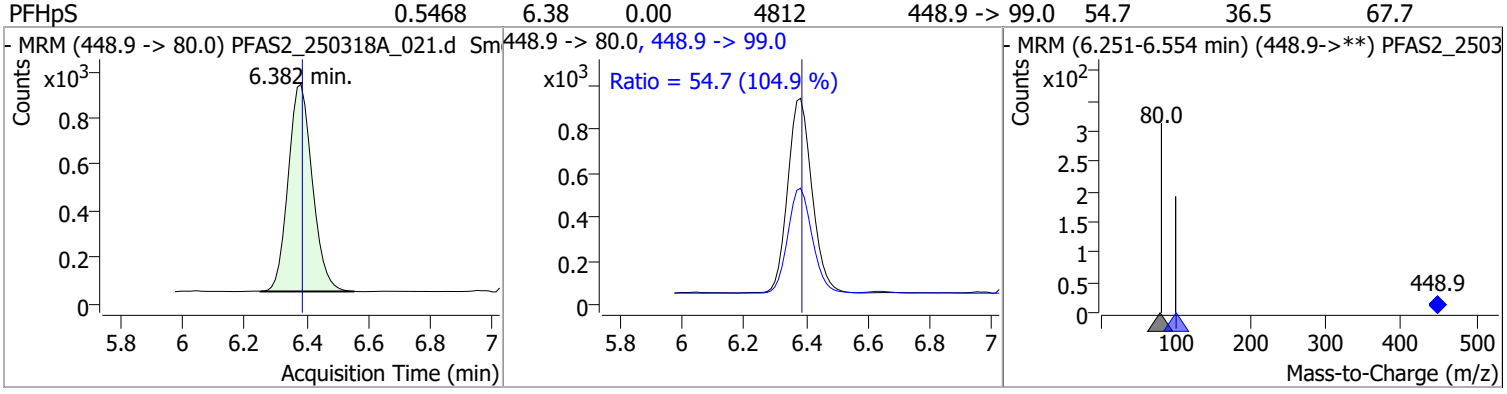
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	65921				



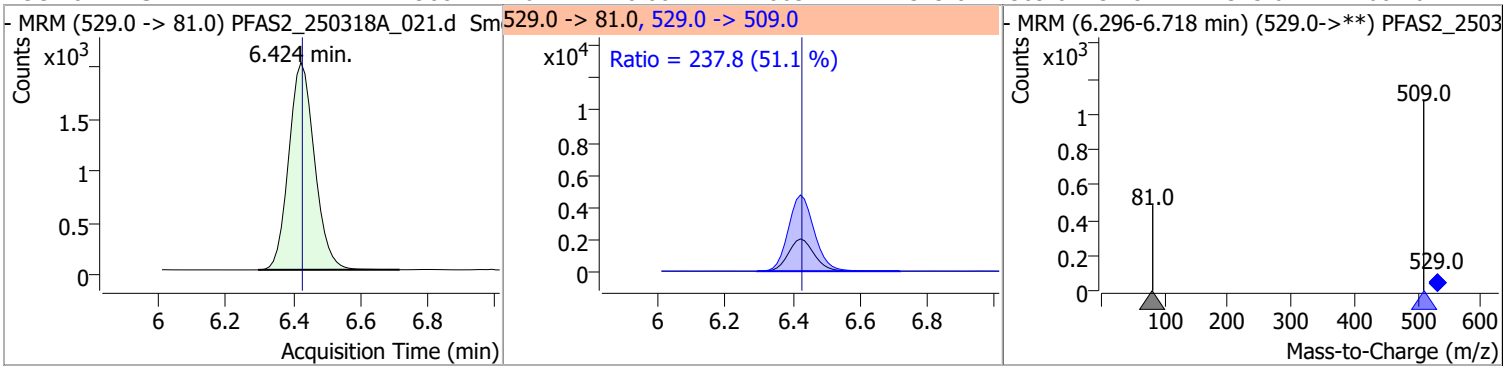
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4925	6.23	0.00	24487	463.0 -> 219.0	17.3	11.2	20.9



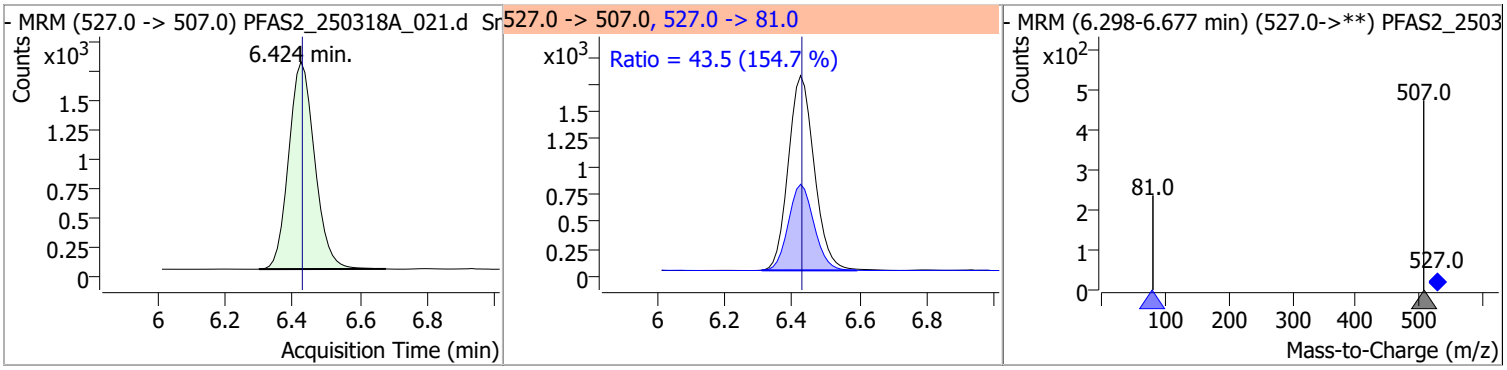
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.5468	6.38	0.00	4812	448.9 -> 99.0	54.7	36.5	67.7



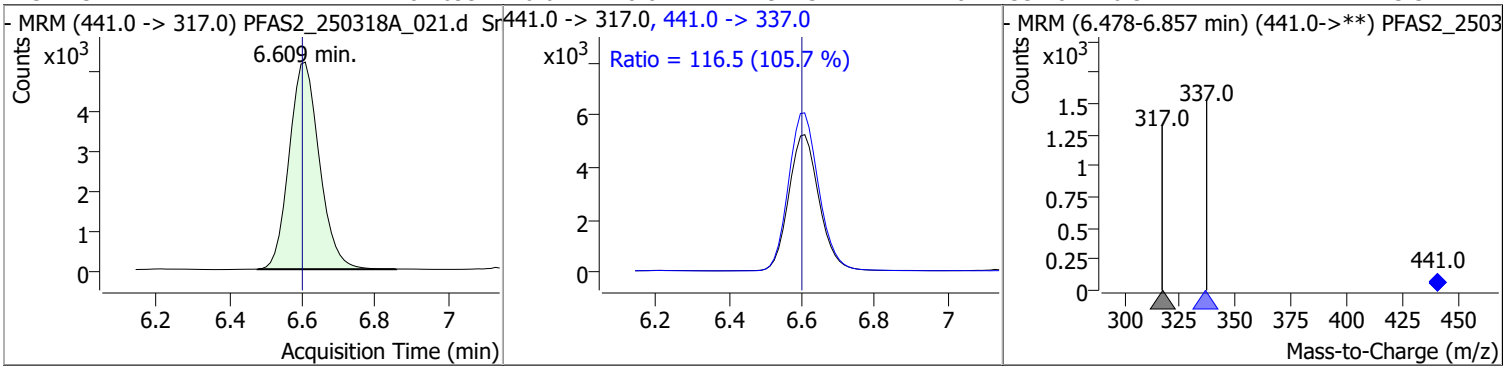
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9881	6.42	0.00	10637	529.0 -> 509.0	237.8	325.6	604.6



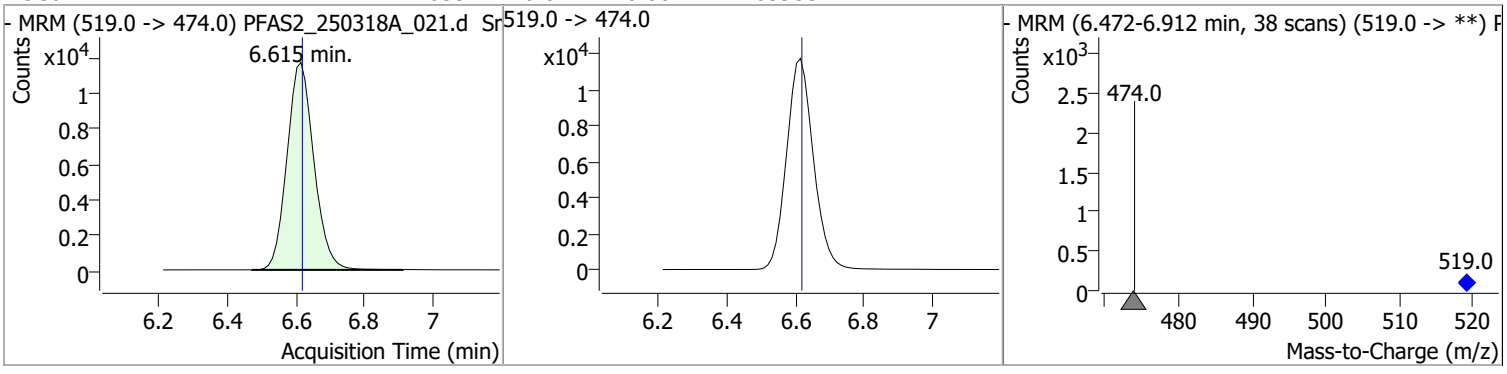
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	2.0413	6.42	0.00	9547	527.0 -> 81.0	43.5	19.7	36.6



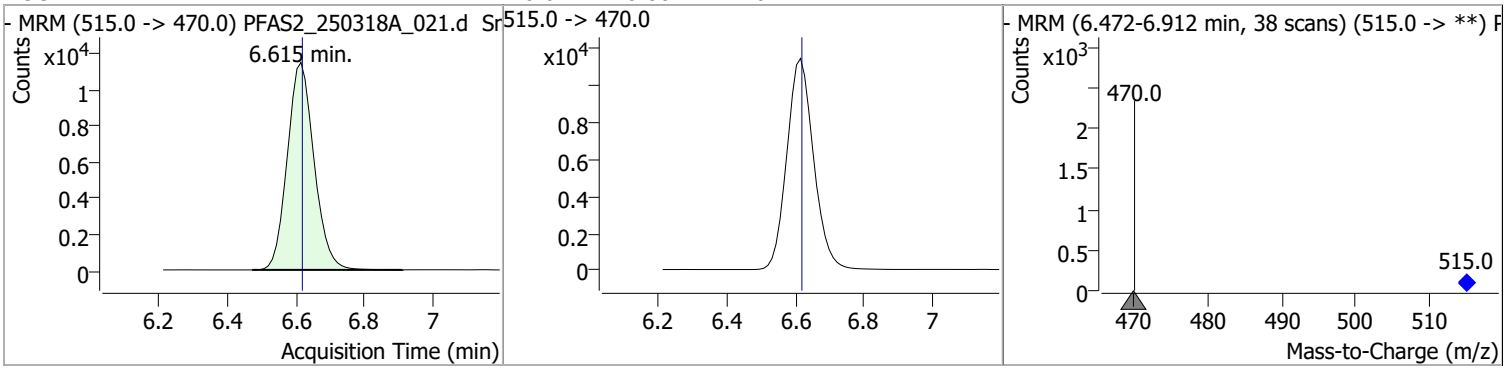
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	10.4699	6.61	0.01	29775	441.0 -> 337.0	116.5	77.1	143.3



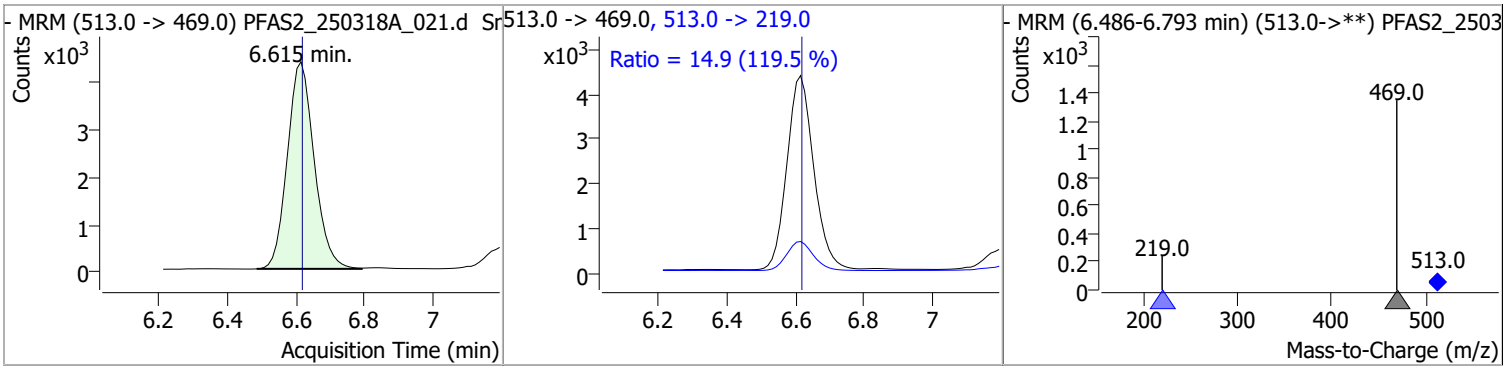
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2653	6.61	0.00	63953				



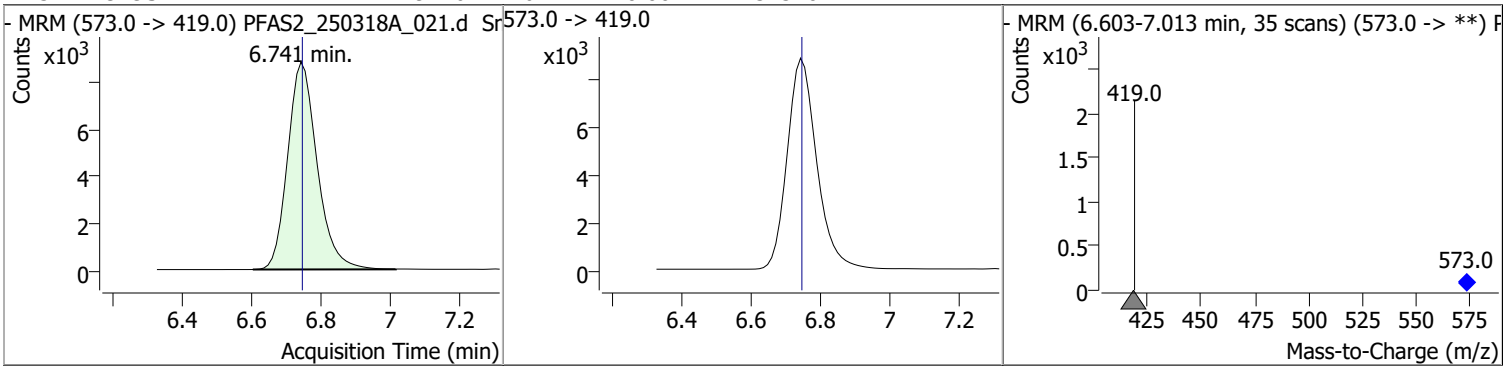
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	62114				



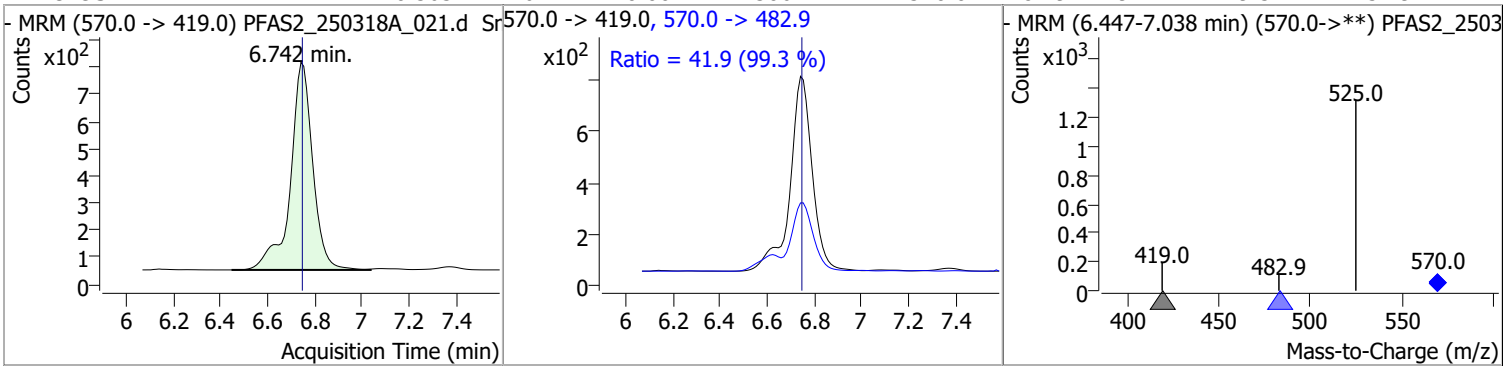
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.5023	6.62	0.00	23651	513.0 -> 219.0	14.9	8.7	16.2



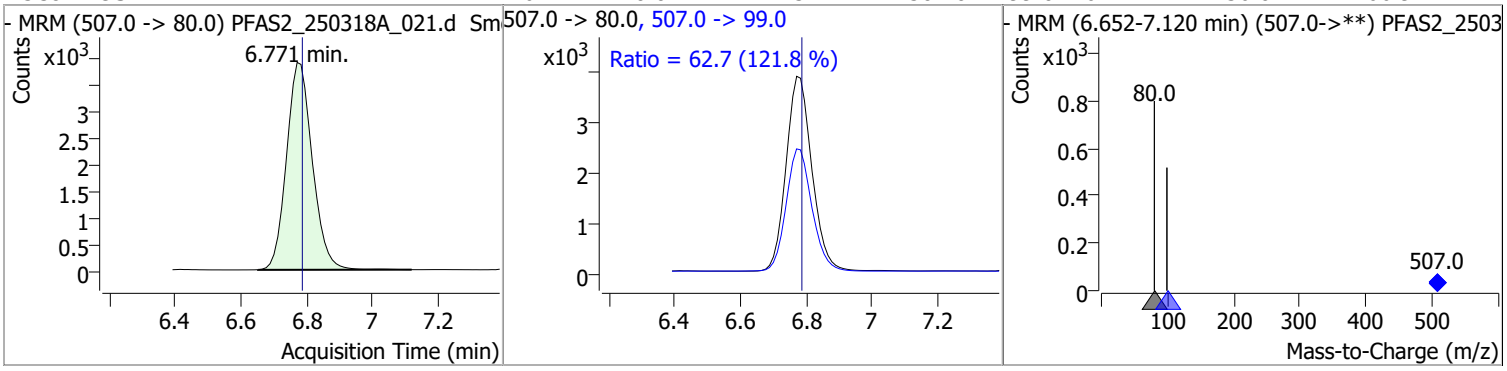
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9426	6.74	0.00	51540				



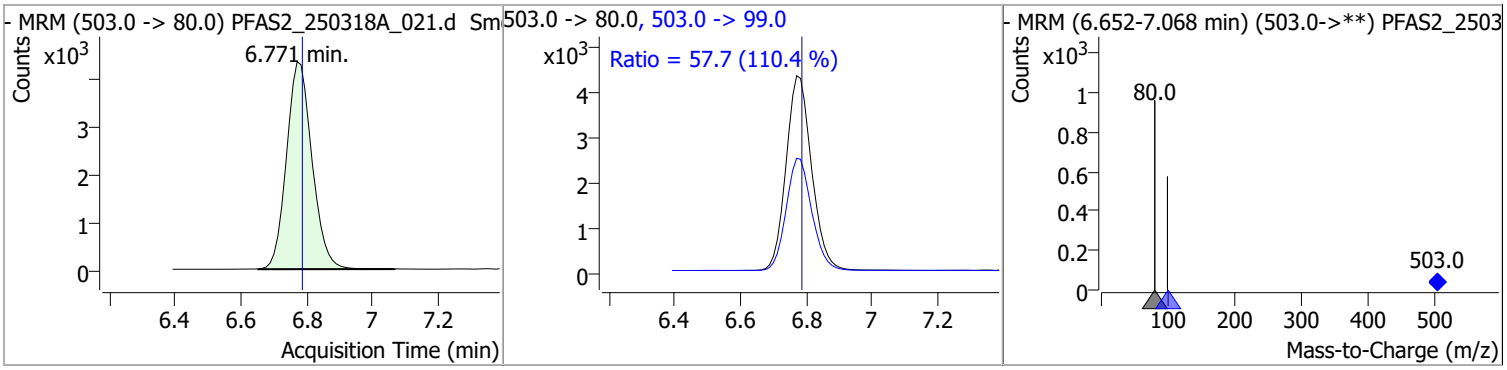
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.5631	6.74	0.00	5064	570.0 -> 482.9	41.9	29.5	54.9



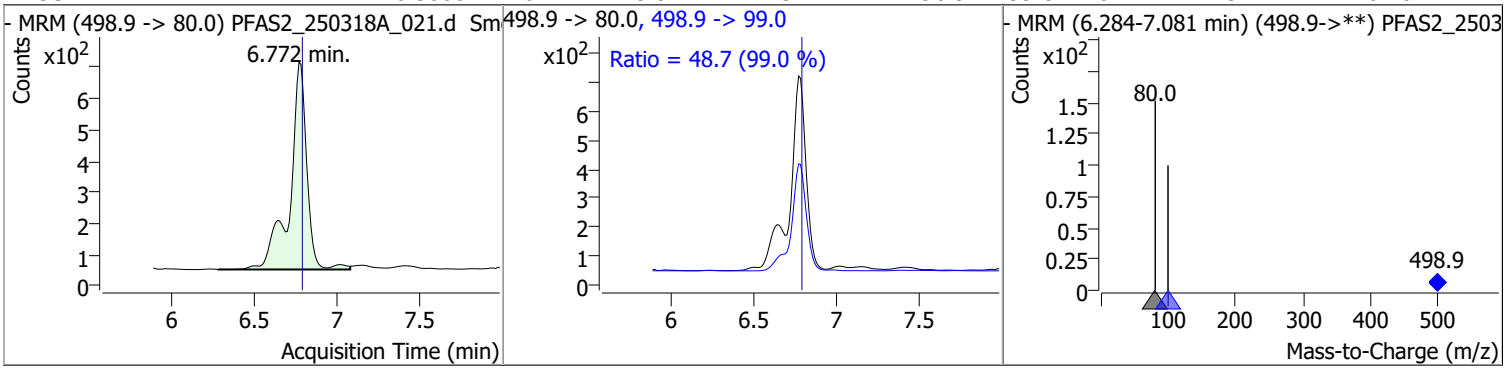
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2427	6.77	-0.01	21154	507.0 -> 99.0	62.7	36.0	66.9



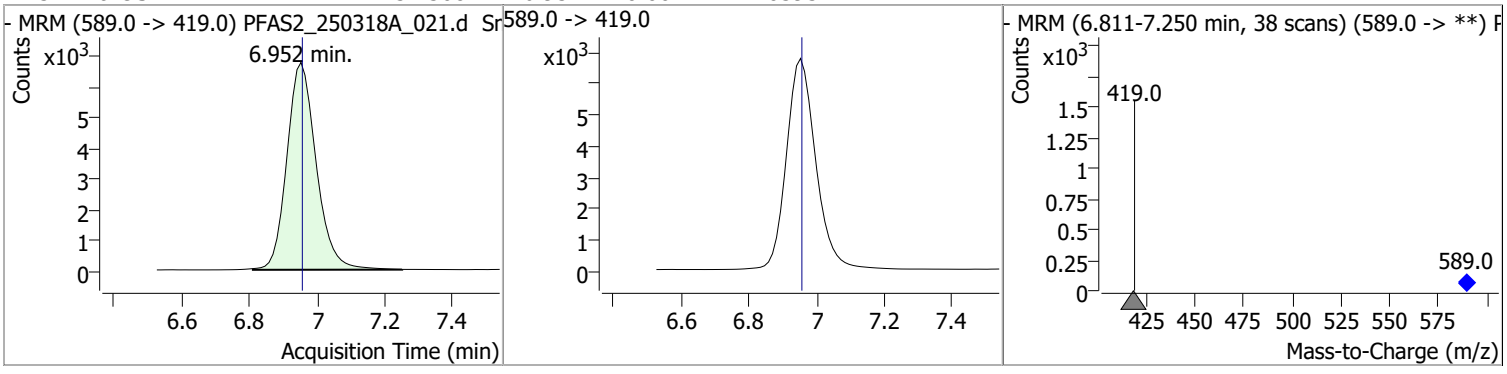
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23240	503.0 -> 99.0	57.7	36.6	67.9



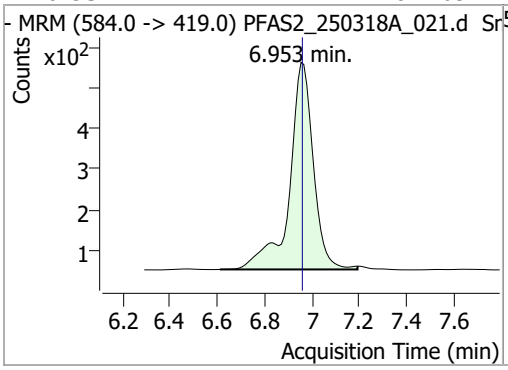
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.5888	6.77	-0.01	4754	498.9 -> 99.0	48.7	34.4	64.0

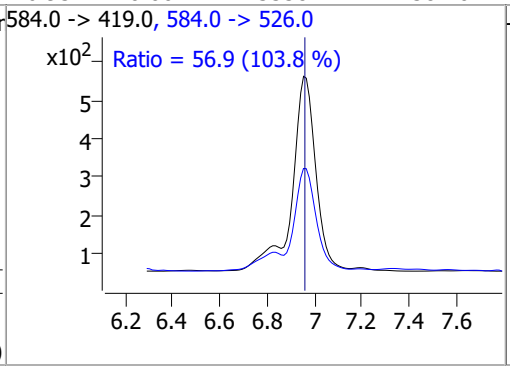


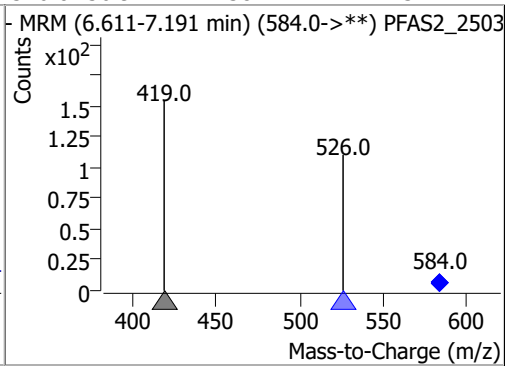
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1308	6.95	0.00	40393				



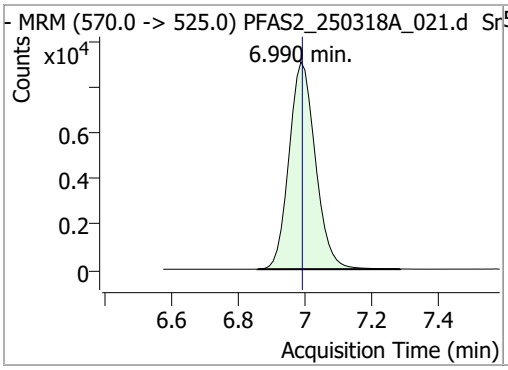
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.4765	6.95	0.00	3558	584.0 -> 526.0	56.9	38.4	71.3

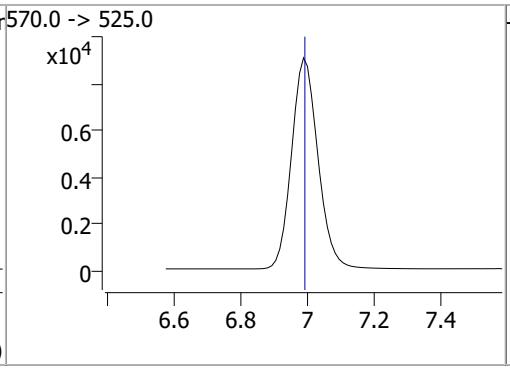


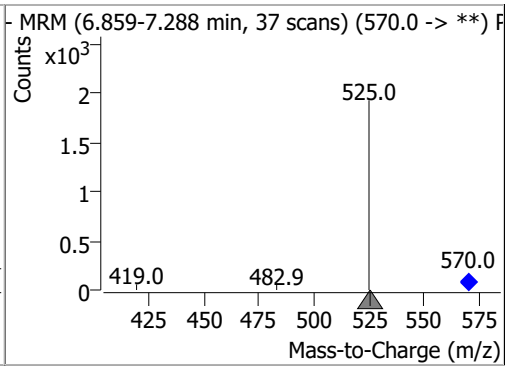




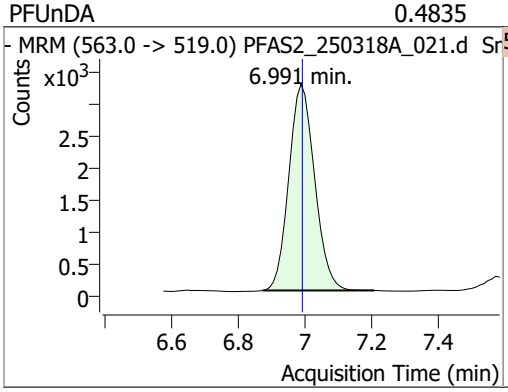
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2480	6.99	0.00	49711				

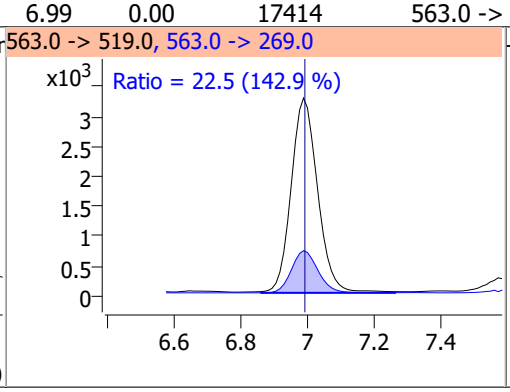


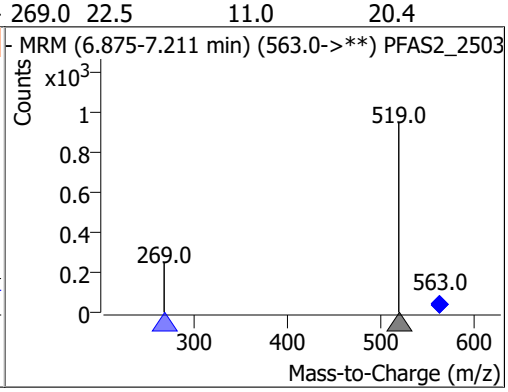




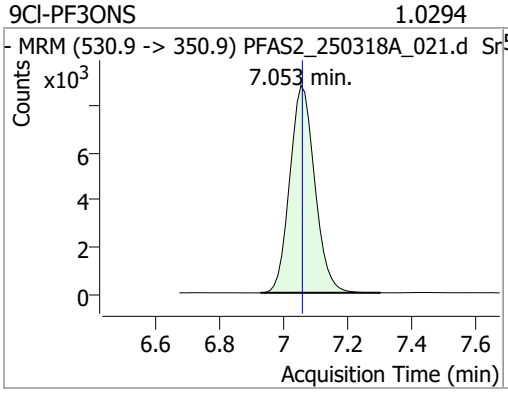
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.4835	6.99	0.00	17414	563.0 -> 269.0	22.5	11.0	20.4

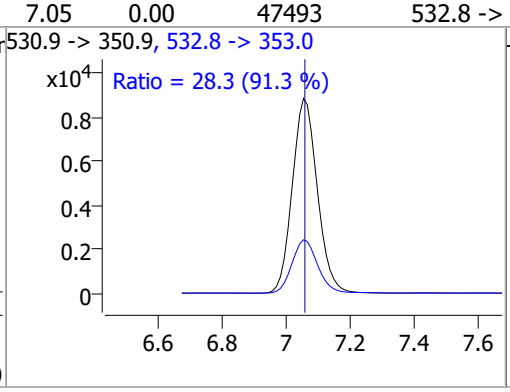


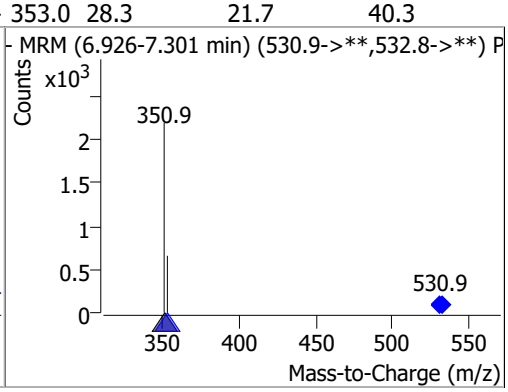




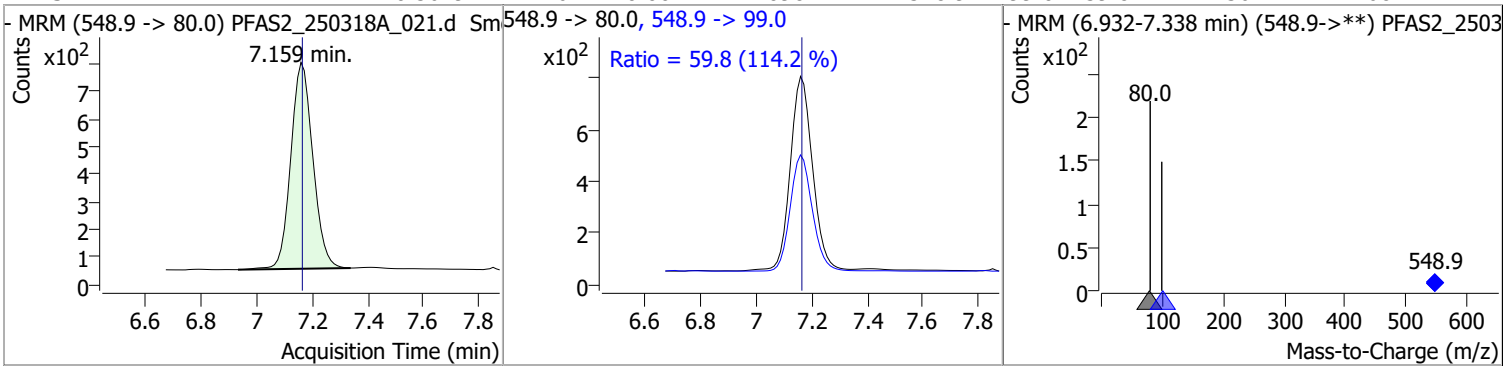
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	1.0294	7.05	0.00	47493	532.8 -> 353.0	28.3	21.7	40.3



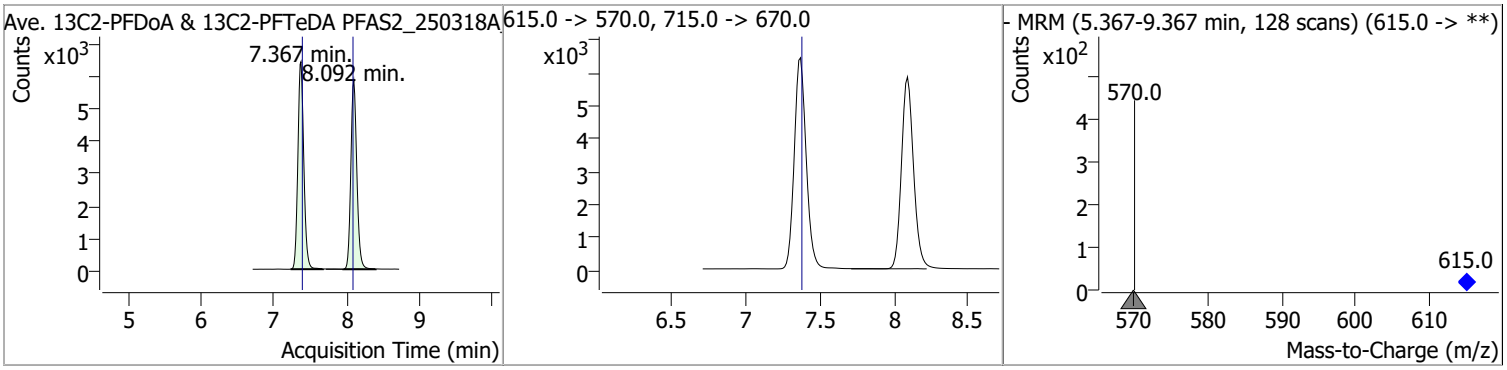




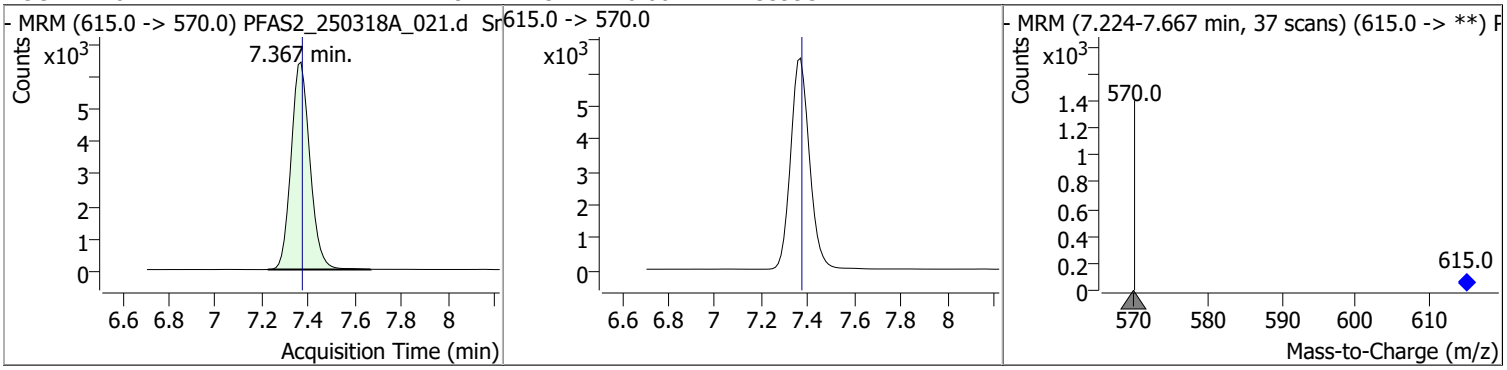
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.5679	7.16	0.00	4098	548.9 -> 99.0	59.8	36.7	68.1



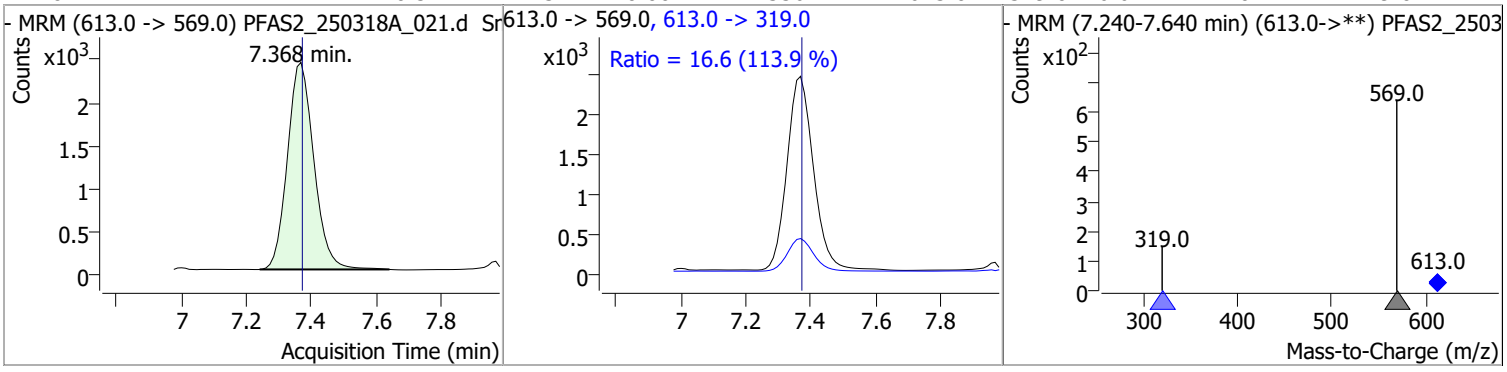
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0543	7.73	0.36	34615				



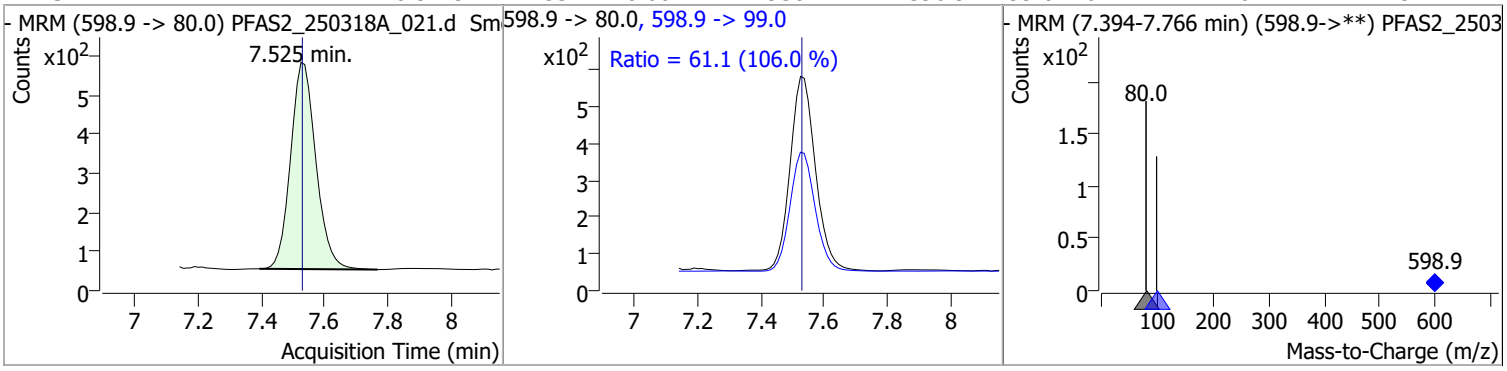
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2129	7.37	0.00	35995				



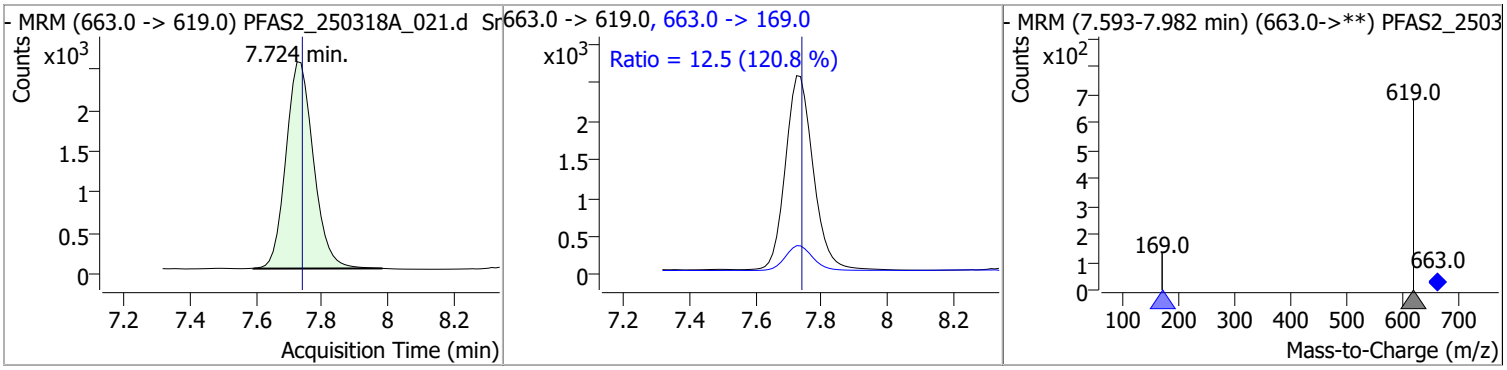
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.5141	7.37	0.00	13567	613.0 -> 319.0	16.6	10.2	19.0



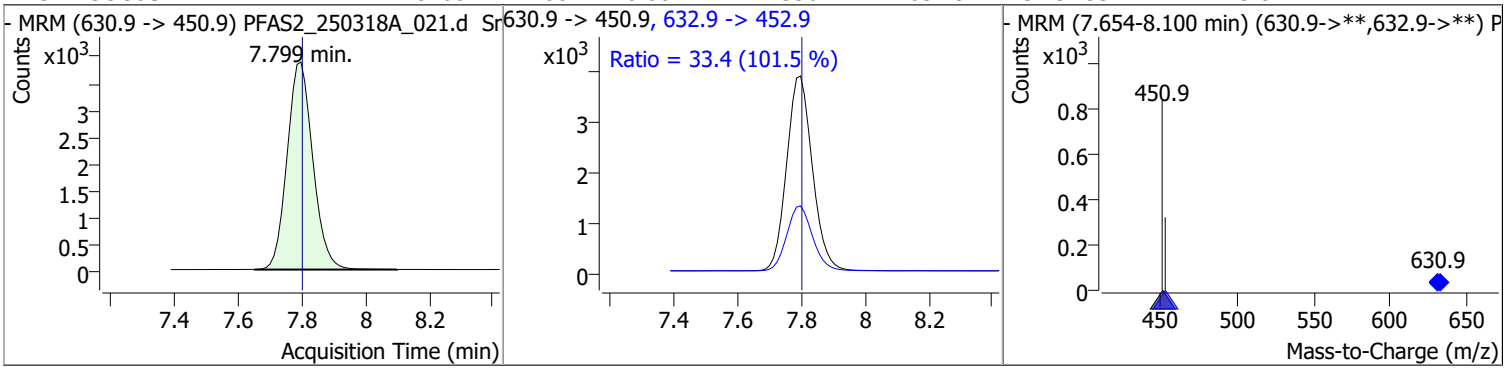
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.5449	7.53	0.00	2938	598.9 -> 99.0	61.1	40.4	74.9



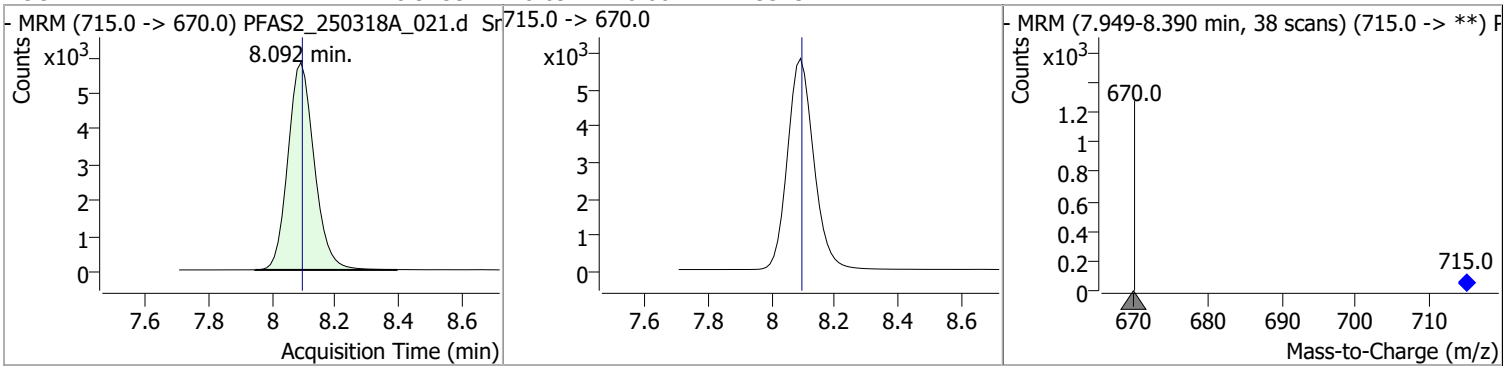
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.5610	7.72	-0.01	14633	663.0 -> 169.0	12.5	7.2	13.4



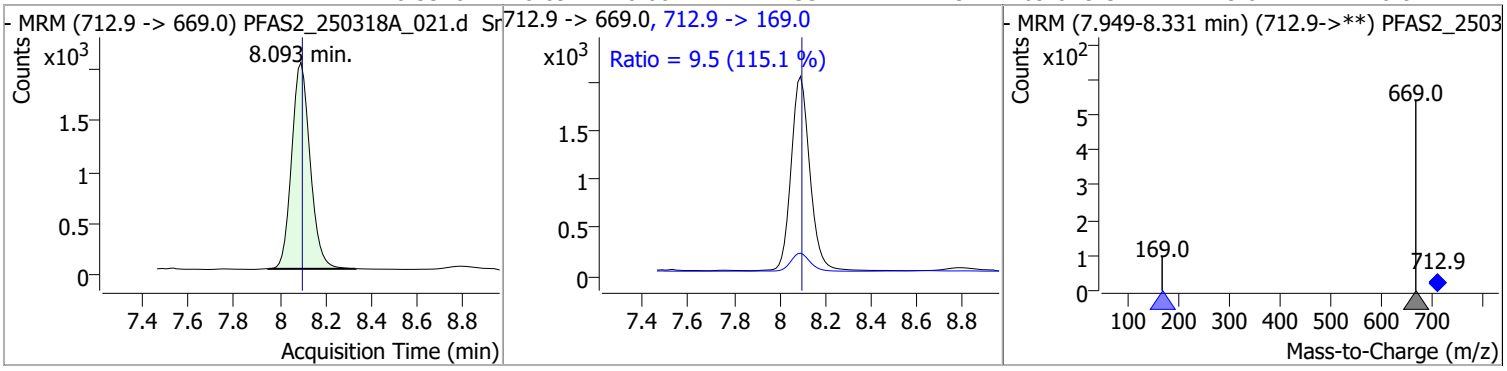
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	1.0468	7.80	0.00	21536	632.9 -> 452.9	33.4	23.0	42.7



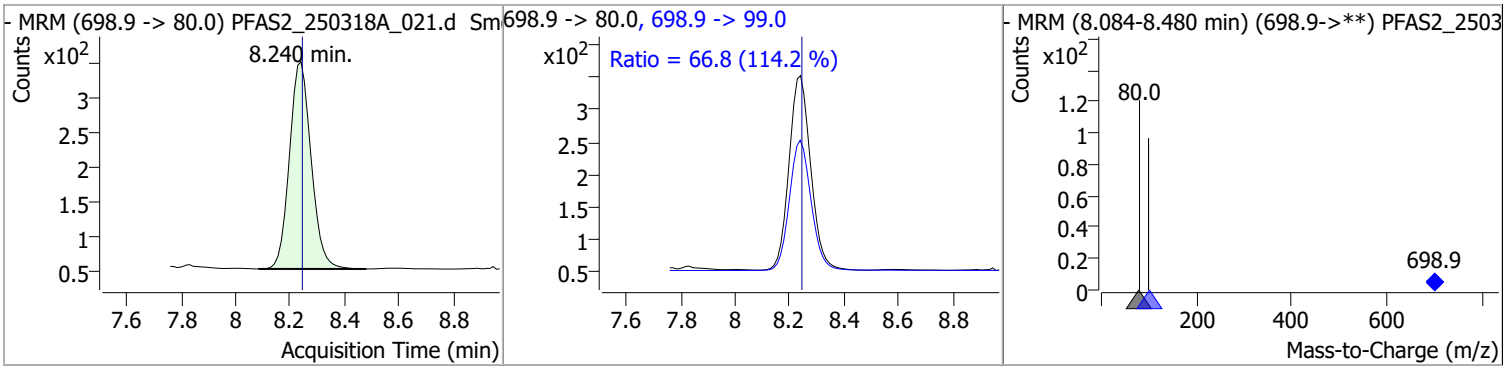
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9235	8.09	0.00	33234				



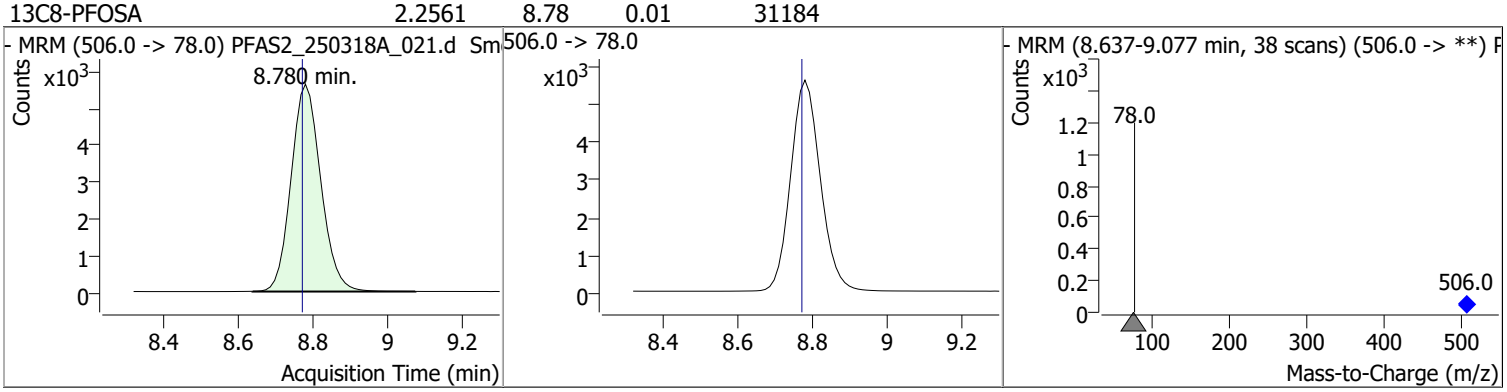
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5578	8.09	0.00	11233	712.9 -> 169.0	9.5	5.8	10.8



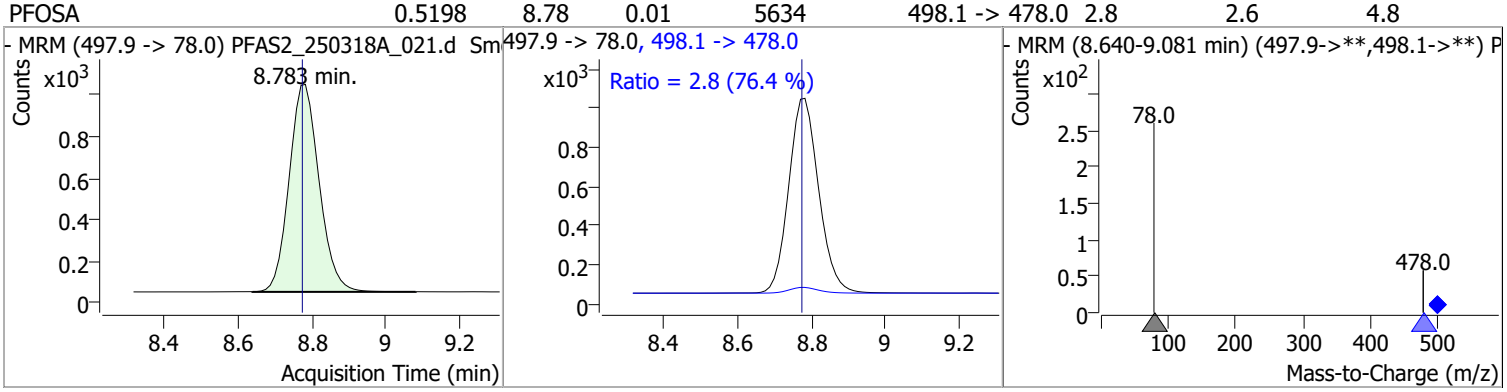
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.4390	8.24	0.00	1655	698.9 -> 99.0	66.8	41.0	76.1



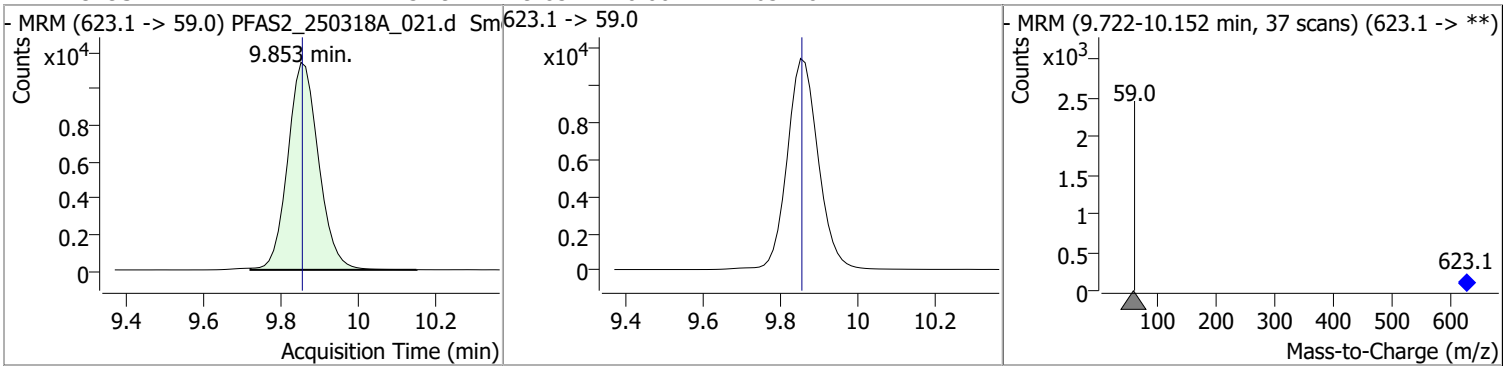
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2561	8.78	0.01	31184				



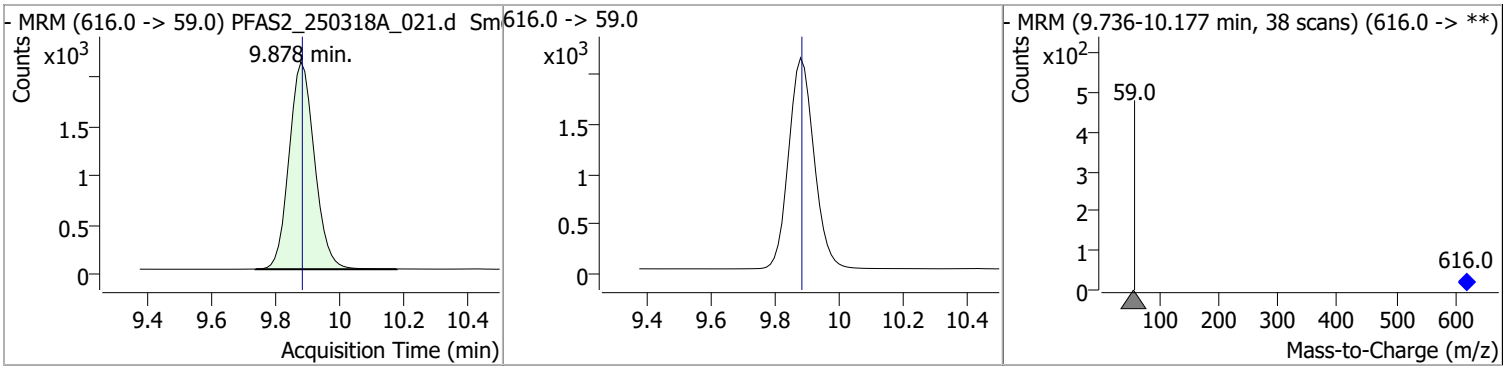
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.5198	8.78	0.01	5634	498.1 -> 478.0	2.8	2.6	4.8



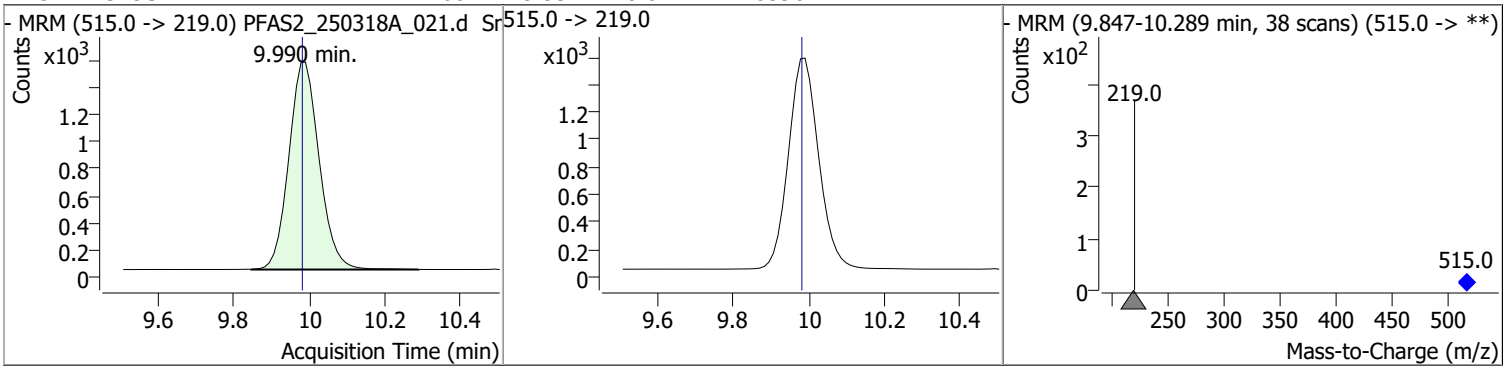
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.4944	9.85	0.00	63228				



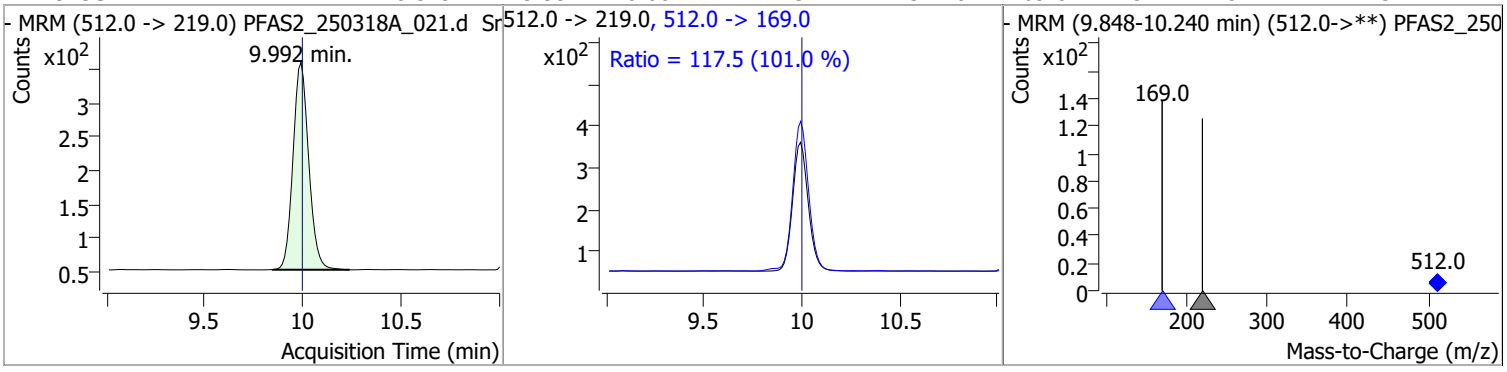
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	6.0630	9.88	0.00	11626				



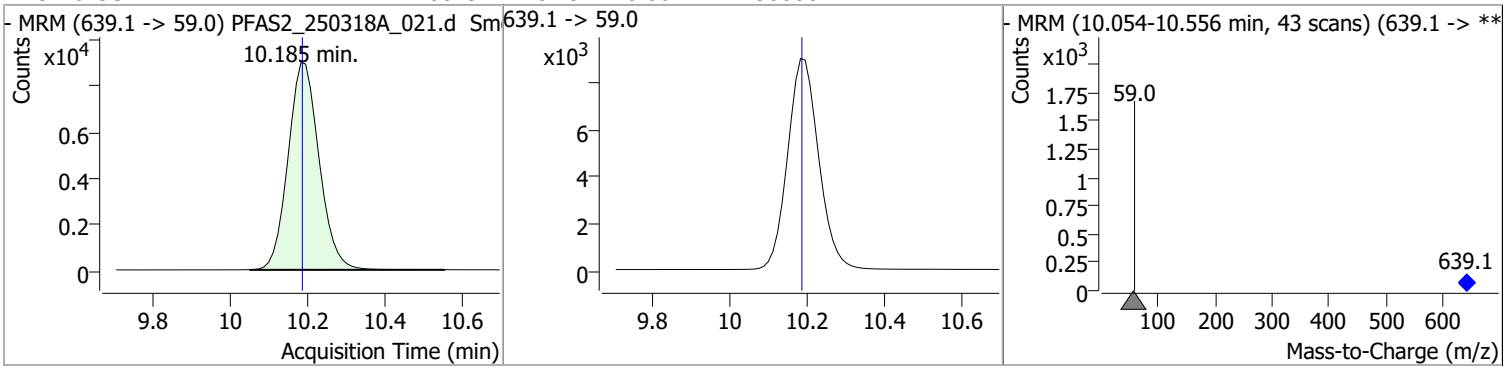
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2160	9.99	0.01	8596				



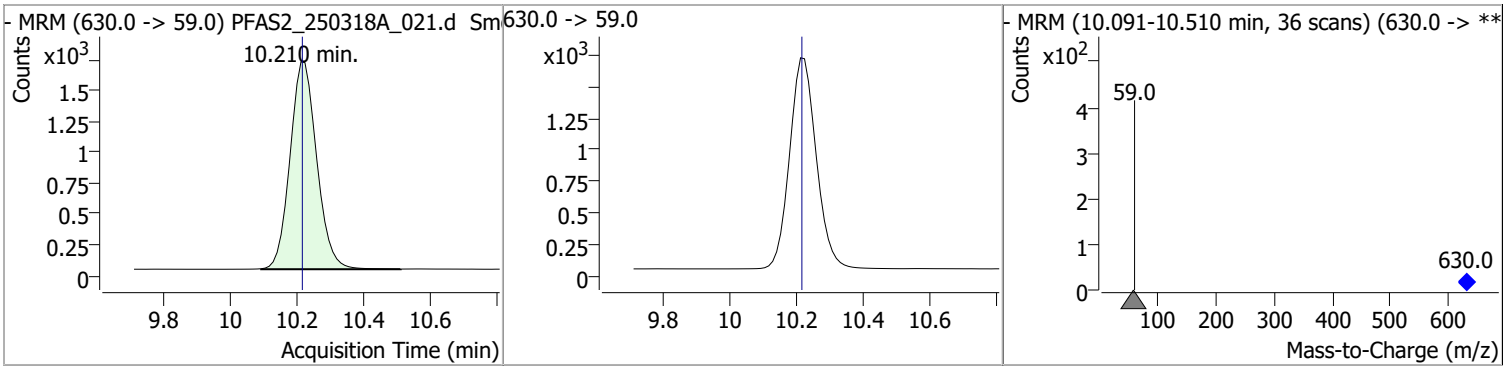
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.5297	9.99	0.00	1713	512.0 -> 169.0	117.5	81.4	151.2



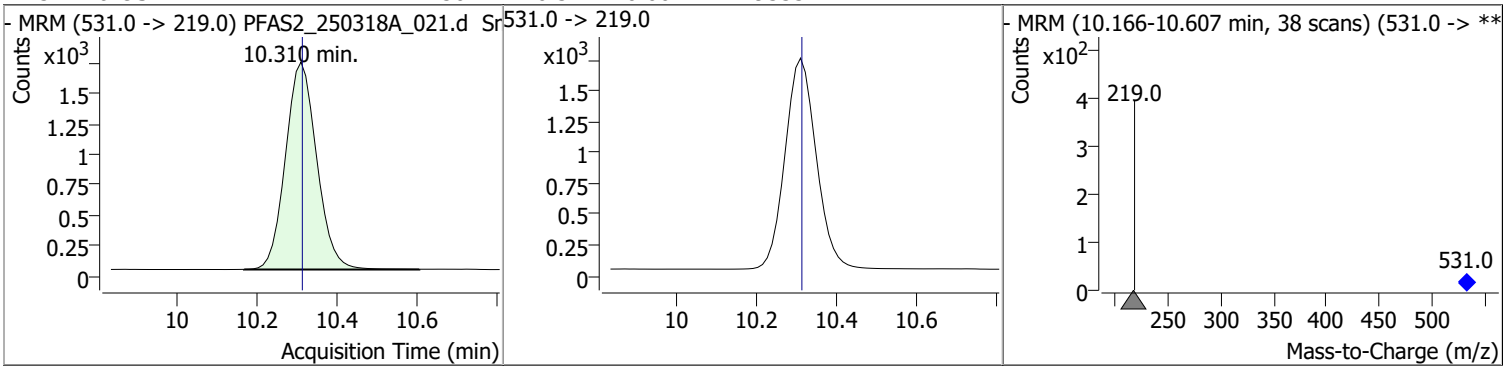
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.0879	10.19	0.00	50000				



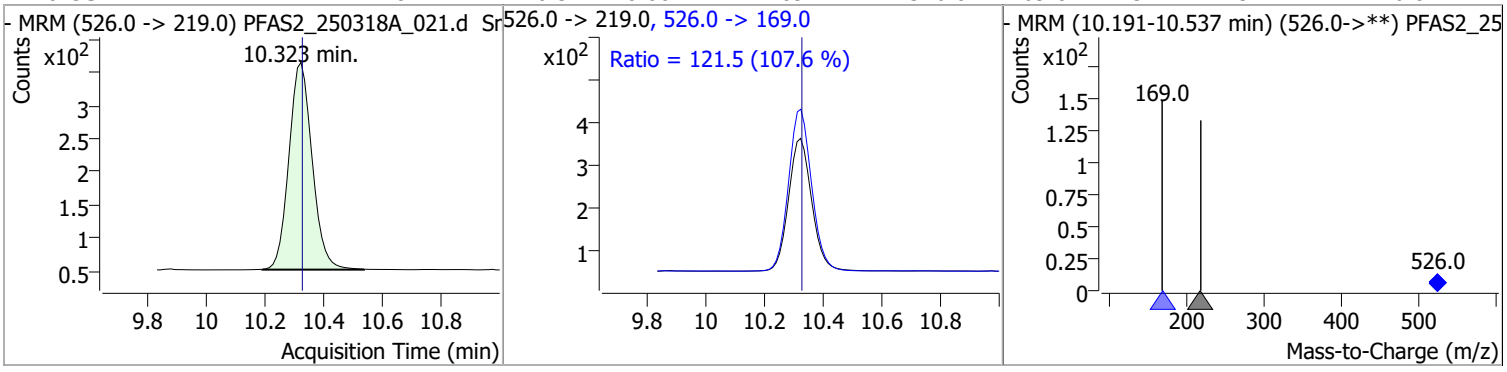
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.2262	10.21	0.00	9364				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2250	10.31	0.00	9333				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.4747	10.32	0.00	1709	526.0 -> 169.0	121.5	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BS2	File ID:	PFAS2_250318A_022.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:32
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	210	0.48	3.20	6.40	
2706-90-3	PFPeA	103	0.14	1.60	3.20	
307-24-4	PFHxA	54.9	0.13	0.80	1.60	
375-85-9	PFHpA	54.1	0.16	0.80	1.60	
335-67-1	PFOA	52.5	0.12	0.80	1.60	
375-95-1	PFNA	54.6	0.09	0.80	1.60	
335-76-2	PFDA	56.4	0.13	0.80	1.60	
2058-94-8	PFUnA	57.3	0.19	0.80	1.60	
307-55-1	PFDoA	53.9	0.11	0.80	1.60	
72629-94-8	PFTrDA	59.7	0.07	0.80	1.60	
376-06-7	PFTeDA	59.6	0.12	0.80	1.60	
375-73-5	PFBS	50.9	0.19	0.71	1.42	
2706-91-4	PFPeS	56.1	0.21	0.76	1.51	
355-46-4	PFHxS	54.7	0.23	0.73	1.46	
375-92-8	PFHpS	52.3	0.41	0.76	1.52	
1763-23-1	PFOS	53.6	0.22	0.93	1.86	
68259-12-1	PFNS	55.0	0.20	0.77	1.54	
335-77-3	PFDS	58.7	0.14	0.77	1.54	
79780-39-5	PFDoS	46.7	0.08	0.78	1.55	
757124-72-4	4:2FTS	206	0.41	3.00	6.00	
27619-97-2	6:2FTS	209	2.77	3.04	6.08	
39108-34-4	8:2FTS	211	0.61	3.07	6.14	
754-91-6	PFOSA	53.8	0.10	0.80	1.60	
31506-32-8	NMeFOSA	52.9	0.26	0.80	1.60	
4151-50-2	NEtFOSA	53.1	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	53.9	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-BS2	File ID:	PFAS2_250318A_022.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:32
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	52.4	0.29	0.80	1.60	
24448-09-7	NMeFOSE	648	1.01	8.00	16.0	
1691-99-2	NEtFOSE	553	1.26	8.00	16.0	
13252-13-6	HFPO-DA	110	0.41	1.60	3.20	
919005-14-4	ADONA	95.9	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	94.2	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	118	0.31	1.51	3.02	
356-02-5	3:3FTCA	133	0.66	3.20	6.40	
914637-49-3	5:3FTCA	1,020	3.66	16.0	32.0	
812-70-4	7:3FTCA	1,020	3.06	16.0	32.0	
113507-82-7	PFEESA	97.1	0.17	1.42	2.85	
377-73-1	PFMPA	72.2	0.11	1.60	3.20	
863090-89-5	PFMBA	99.3	0.12	1.60	3.20	
151772-58-6	NFDHA	122	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_022.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 9:32:38 PM
Sample Name	B25C0783-BS2	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

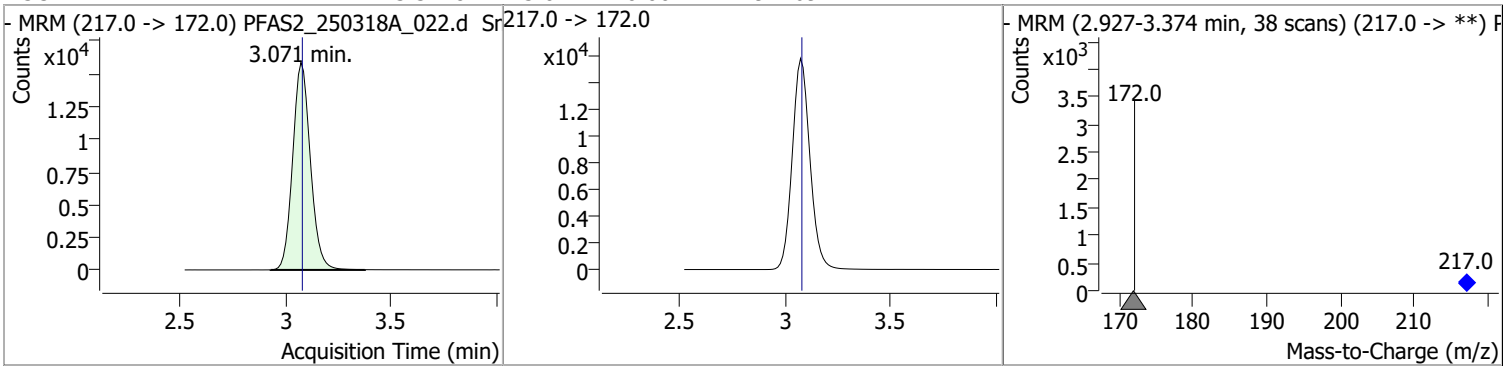
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	120183	5.0000	µg/L		-12.174
13C2-PFHxA	4.902	315.0 -> 270.0	138970	2.5000	µg/L		-9.422
18O2-PFHxS	5.955	403.0 -> 84.0	26319	2.5000	µg/L		-11.175
13C4-PFOA	5.823	417.0 -> 172.0	14561	2.5000	µg/L		-5.741
13C5-PFNA	6.226	468.0 -> 423.0	68138	1.2500	µg/L		-4.264
13C2-PFDA	6.615	515.0 -> 470.0	58005	1.2500	µg/L		-13.266
13C4-PFOS	6.771	503.0 -> 80.0	22745	2.5000	µg/L		-8.686
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	92169	10.0000	µg/L		-70.347
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 33.75%			
13C5-PFPeA	4.234	268.0 -> 223.0	172786	5.0000	µg/L		-16.496
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.20%			
13C5-PFPeA	4.234	268.0 -> 223.0	172786	5.0000	µg/L		-16.496
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.20%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	23895	5.0000	µg/L		-5.420
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.91%			
13C5-PFHxA	4.901	318.0 -> 273.0	137630	2.5000	µg/L		-18.487
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.97%			
13C5-PFHxA	4.901	318.0 -> 273.0	137630	2.5000	µg/L		-18.487
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.97%			
13C3-PFBS	4.941	302.0 -> 80.0	48605	2.5000	µg/L		-19.957
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.21%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	152026	10.0000	µg/L		-13.014
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.03%			
13C4-PFHpA	5.397	367.0 -> 322.0	161323	2.5000	µg/L		-14.593
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.32%			
13C3-PFHxS	5.956	402.0 -> 80.0	28117	2.5000	µg/L		-19.546
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.60%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	14049	5.0000	µg/L		-4.872
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.21%			
13C8-PFOA	5.823	421.0 -> 376.0	153638	2.5000	µg/L		-11.058
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.38%			
13C3-PFHxS	5.956	402.0 -> 80.0	28117	2.5000	µg/L		-19.546
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.60%			
13C9-PFNA	6.225	472.0 -> 427.0	61108	1.2500	µg/L		-13.278
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.54%			
13C8-PFOS	6.771	507.0 -> 80.0	20899	2.5000	µg/L		-17.342
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.56%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10379	5.0000	µg/L	#	-12.380
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.52%			
13C6-PFDA	6.615	519.0 -> 474.0	59712	1.2500	µg/L		-12.136
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.21%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	48992	5.0000	µg/L		-12.231
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.01%			
13C8-PFOS	6.771	507.0 -> 80.0	20899	2.5000	µg/L		-17.342

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.56%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	34667	5.0000	µg/L		-17.791
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.99%			
13C7-PFUnDA	6.990	570.0 -> 525.0	44046	1.2500	µg/L		-17.829
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.73%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	35289	1.2500	µg/L		-20.008
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.08%			
13C2-PFDoDA	7.355	615.0 -> 570.0	36258	1.2500	µg/L		-9.232
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.66%			
13C2-PFTDA	8.092	715.0 -> 670.0	34320	1.2500	µg/L		-28.922
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.70%			
13C8-PFOSA	8.780	506.0 -> 78.0	32109	2.5000	µg/L		-13.128
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.94%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62802	25.0000	µg/L		-50.016
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 54.78%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8604	2.5000	µg/L		-17.027
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.65%			
2H9-EtFOSE	10.185	639.1 -> 59.0	51058	25.0000	µg/L		-19.606
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.01%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9260	2.5000	µg/L		-17.620
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.23%			
Target Compounds							QValue
PFBA	3.079	213.0 -> 169.0	169282	20.9995	µg/L		100
PFMPA	3.614	229.0 -> 85.0	119682	7.2247	µg/L		100
3-3 FTCA	3.790	241.0 -> 177.0	7681	13.2678	µg/L		94
PFPeA	4.235	263.0 -> 219.0	329627	10.3186	µg/L		100
PFMBA	4.465	279.0 -> 85.0	240468	9.9314	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	299615	20.6308	µg/L		98
NFDHA	4.834	295.0 -> 201.0	12388	12.2387	µg/L		96
PFHxA	4.904	313.0 -> 269.0	270164	5.4857	µg/L		99
PFBS	4.942	298.9 -> 80.0	102581	5.0863	µg/L		94
HFPO-DA	5.087	285.0 -> 169.0	148932	11.0418	µg/L		93
PFEESA	5.212	314.9 -> 135.0	668654	9.7078	µg/L		98
PFHpA	5.398	363.0 -> 319.0	336242	5.4052	µg/L		96
5-3 FTCA	5.470	341.0 -> 237.0	391026	101.6610	µg/L		92
PFPeS	5.494	348.9 -> 80.0	85124	5.6070	µg/L		94
DONA	5.551	377.0 -> 251.0	856624	9.5905	µg/L		99
6-2 FTSA	5.654	427.0 -> 407.0	204284	20.9095	µg/L		92
PFOA	5.824	413.0 -> 369.0	317750	5.2496	µg/L		95
PFHxS	5.957	398.9 -> 80.0	59811	5.4689	µg/L		94
PFNA	6.226	463.0 -> 419.0	260347	5.4634	µg/L		98
PFHpS	6.382	448.9 -> 80.0	45445	5.2280	µg/L		94
8-2 FTSA	6.424	527.0 -> 507.0	97778	21.0809	µg/L	#	74
7-3 FTCA	6.609	441.0 -> 317.0	297345	101.6596	µg/L		91
PFDA	6.615	513.0 -> 469.0	248105	5.6432	µg/L		95
N-MeFOSAA	6.742	570.0 -> 419.0	46636	5.3861	µg/L		94
PFOS	6.772	498.9 -> 80.0	44872	5.3588	µg/L		99
N-EtFOSAA	6.953	584.0 -> 419.0	34330	5.2439	µg/L		95
PFUnDA	6.991	563.0 -> 519.0	187458	5.7269	µg/L		93
9Cl-PF3ONS	7.053	530.9 -> 350.9	445361	9.4174	µg/L		95
PFNS	7.159	548.9 -> 80.0	39243	5.5046	µg/L		89
PFDoDA	7.356	613.0 -> 569.0	143177	5.3867	µg/L		98
PFDS	7.525	598.9 -> 80.0	31250	5.8666	µg/L		90
PFTrDA	7.724	663.0 -> 619.0	158655	5.9669	µg/L		96

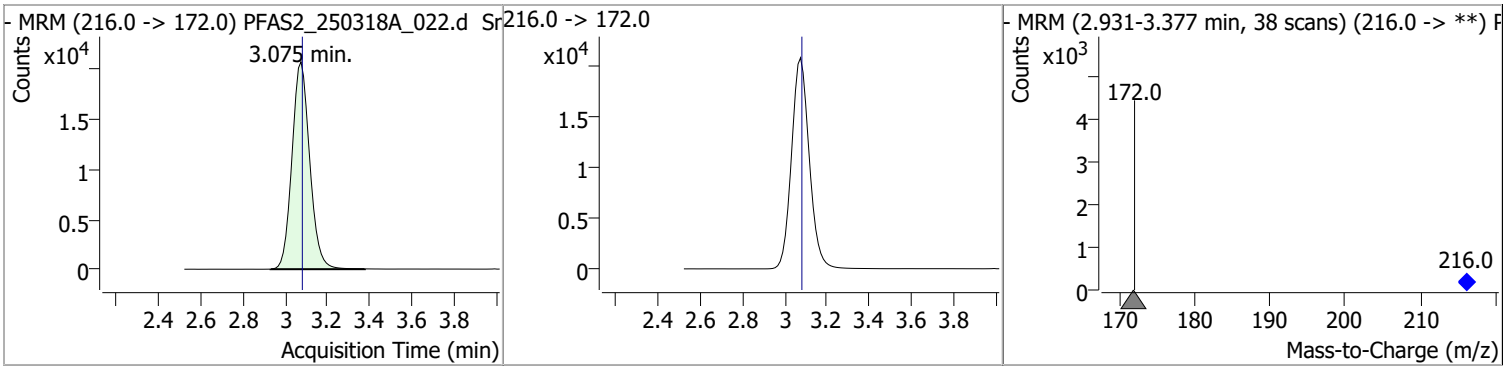
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	236625	11.7508	µg/L	99
PFTDA	8.081	712.9 -> 669.0	125194	5.9642	µg/L	98
PFDoS	8.240	698.9 -> 80.0	17396	4.6703	µg/L	95
PFOSA	8.783	497.9 -> 78.0	60067	5.3827	µg/L	98
MeFOSE	9.878	616.0 -> 59.0	122099	64.8138	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	17129	5.2933	µg/L	92
EtFOSE	10.210	630.0 -> 59.0	100670	55.2670	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	18974	5.3124	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

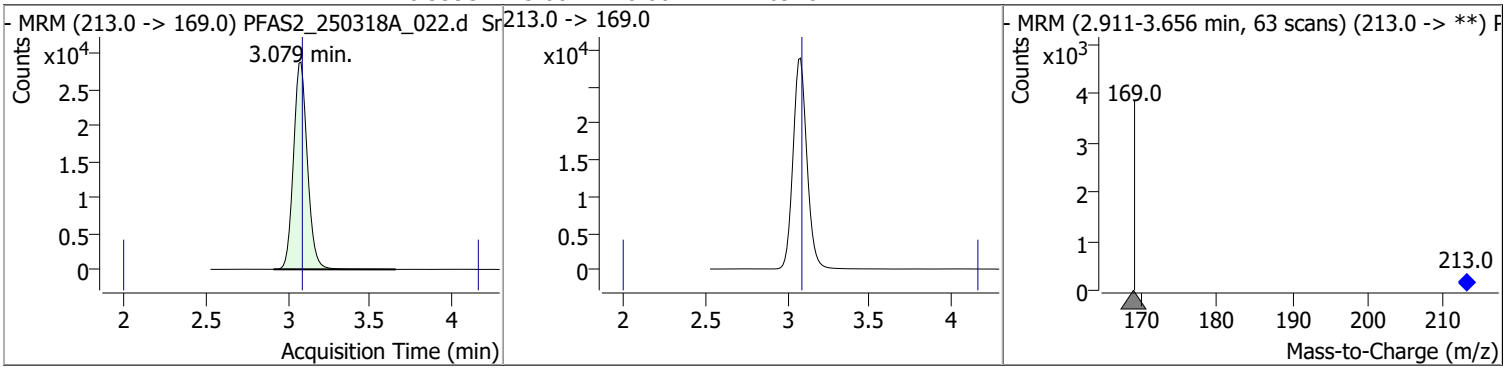
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	3.3748	3.07	0.00	92169				



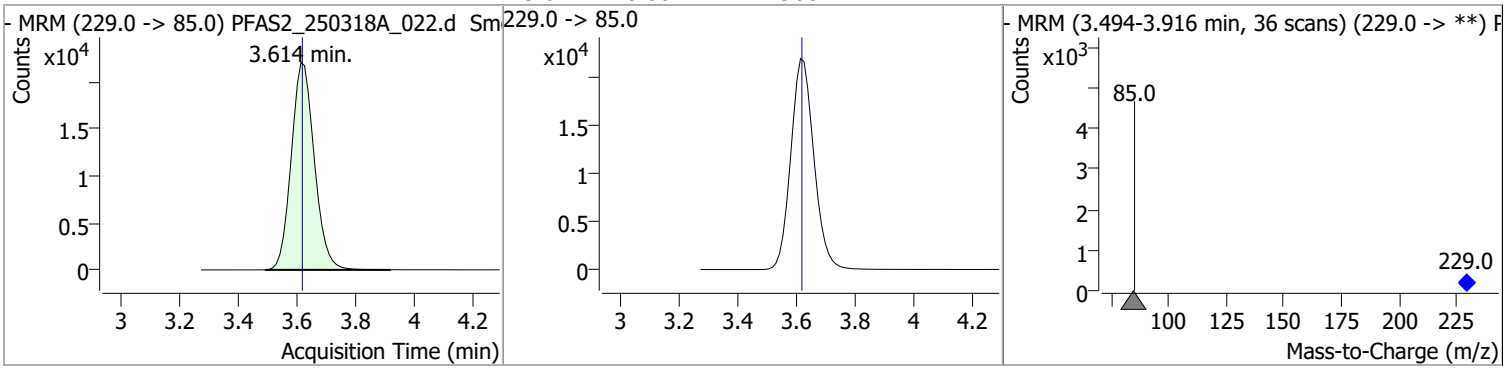
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	120183				



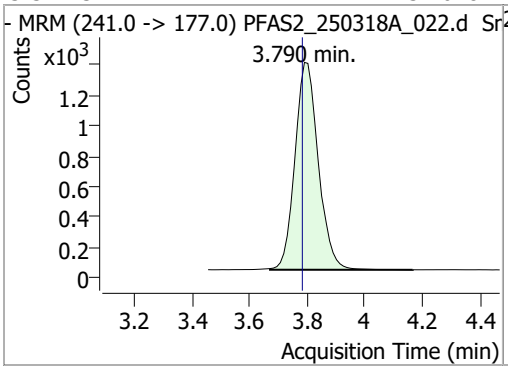
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	20.9995	3.08	0.00	169282				

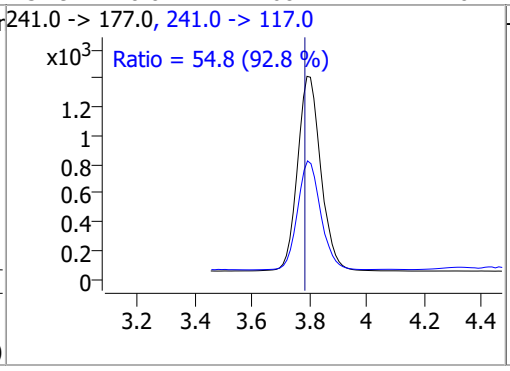


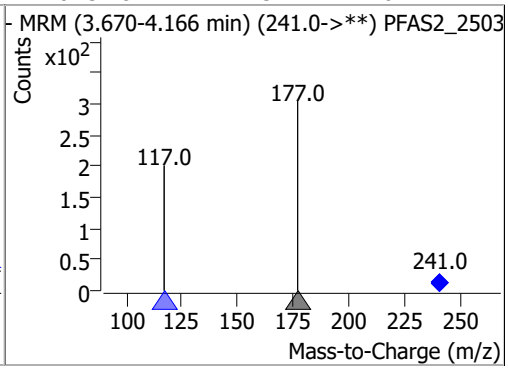
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	7.2247	3.61	0.00	119682				



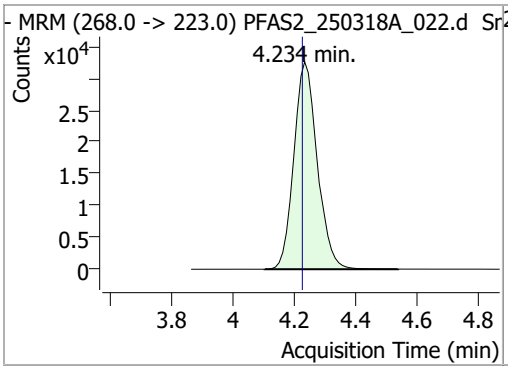
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	13.2678	3.79	0.01	7681	241.0 -> 117.0	54.8	41.3	76.7

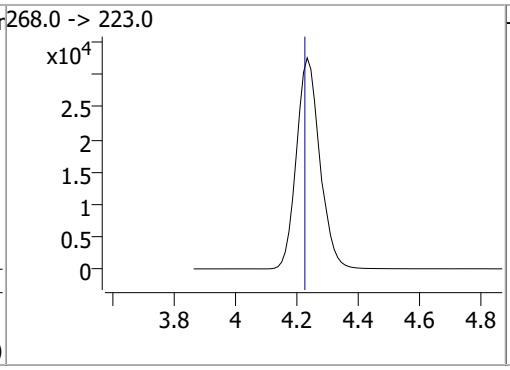


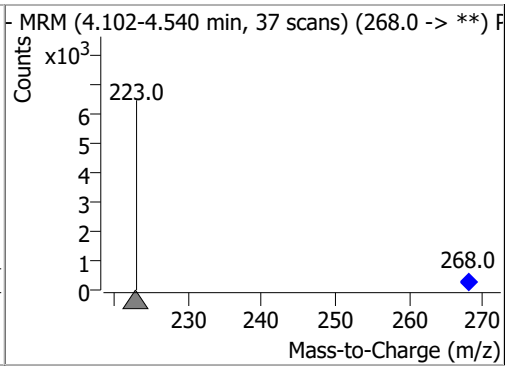




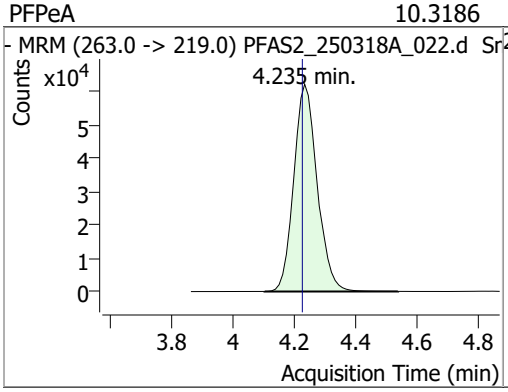
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6098	4.23	0.01	172786				

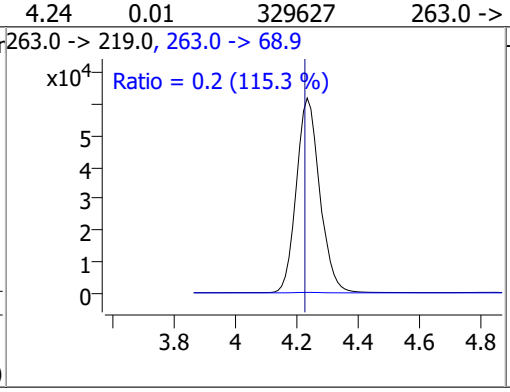


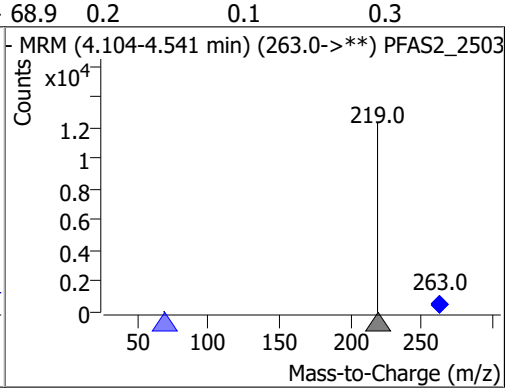




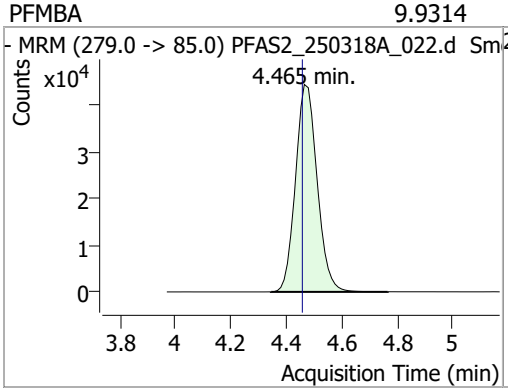
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	10.3186	4.24	0.01	329627	263.0 -> 68.9	0.2	0.1	0.3

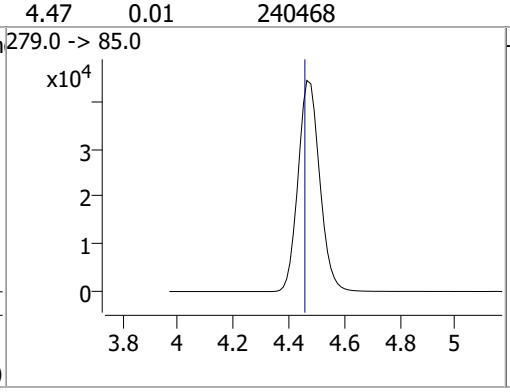


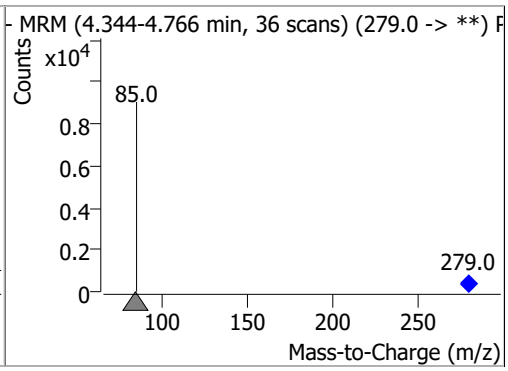




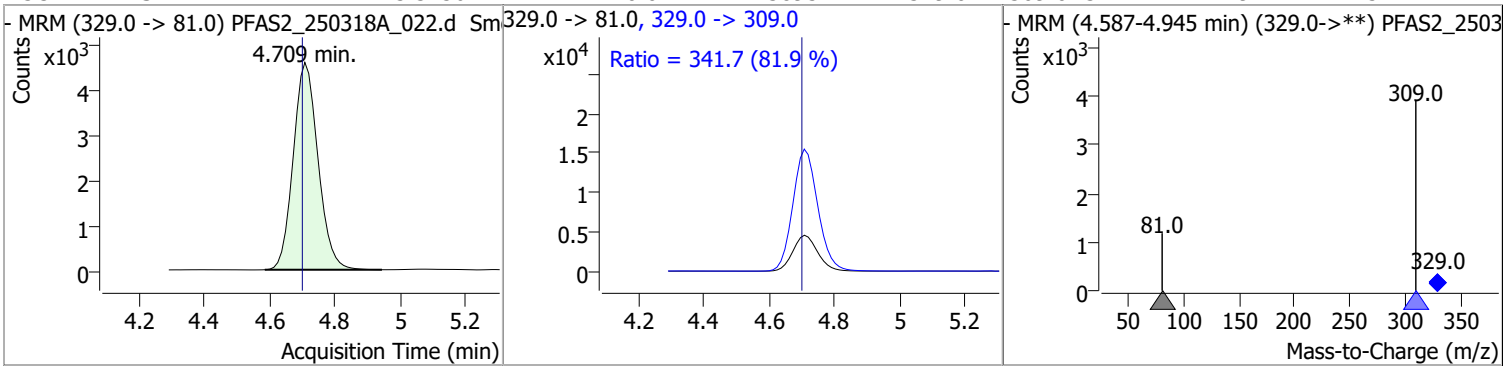
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	9.9314	4.47	0.01	240468				



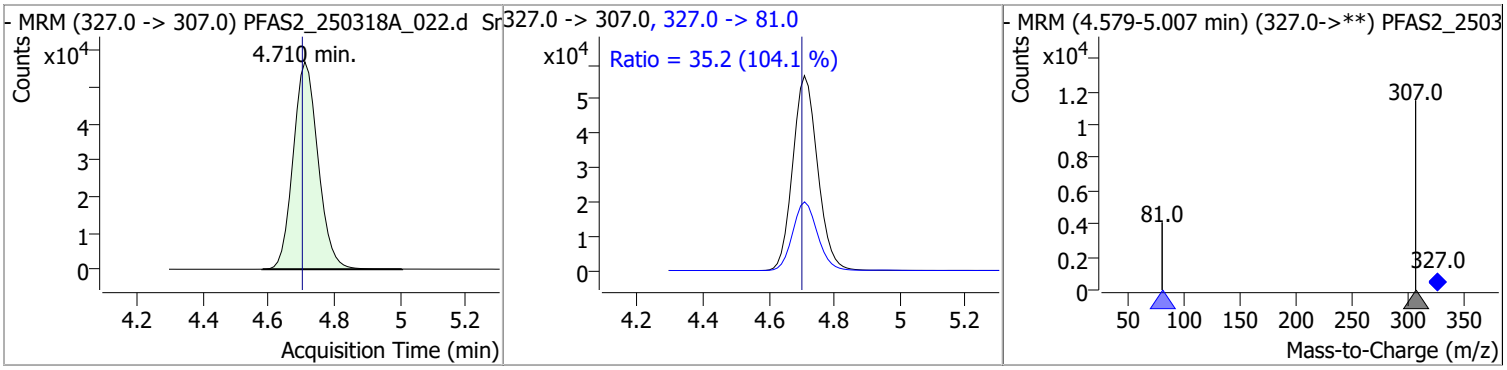




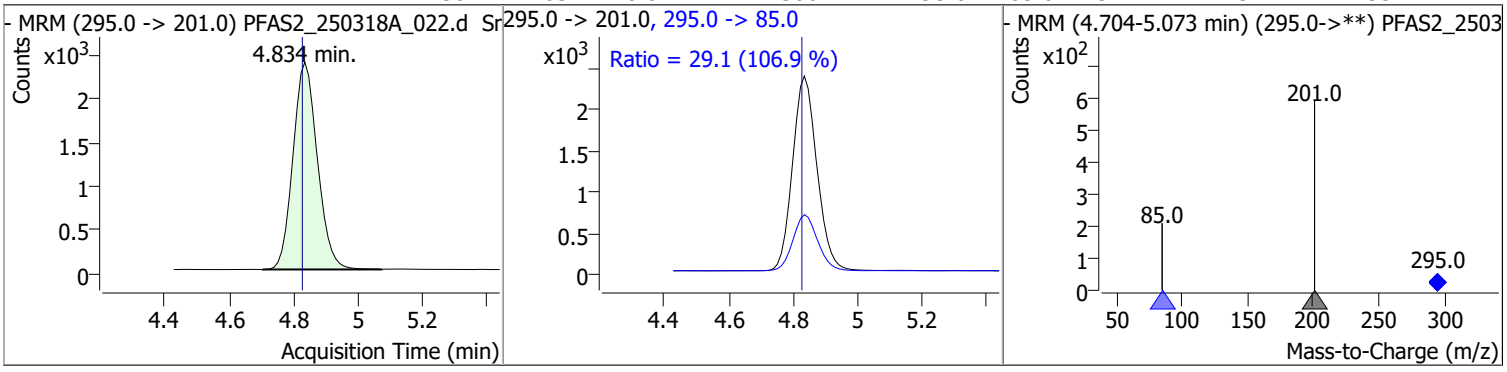
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3456	4.71	0.01	23895	329.0 -> 309.0	341.7	292.1	542.4



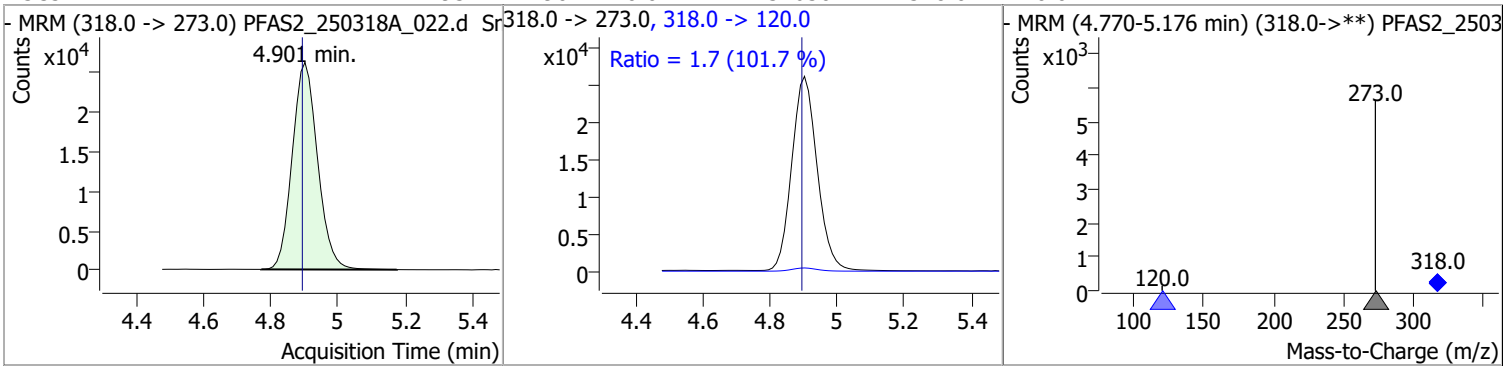
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	20.6308	4.71	0.01	299615	327.0 -> 81.0	35.2	23.6	43.9



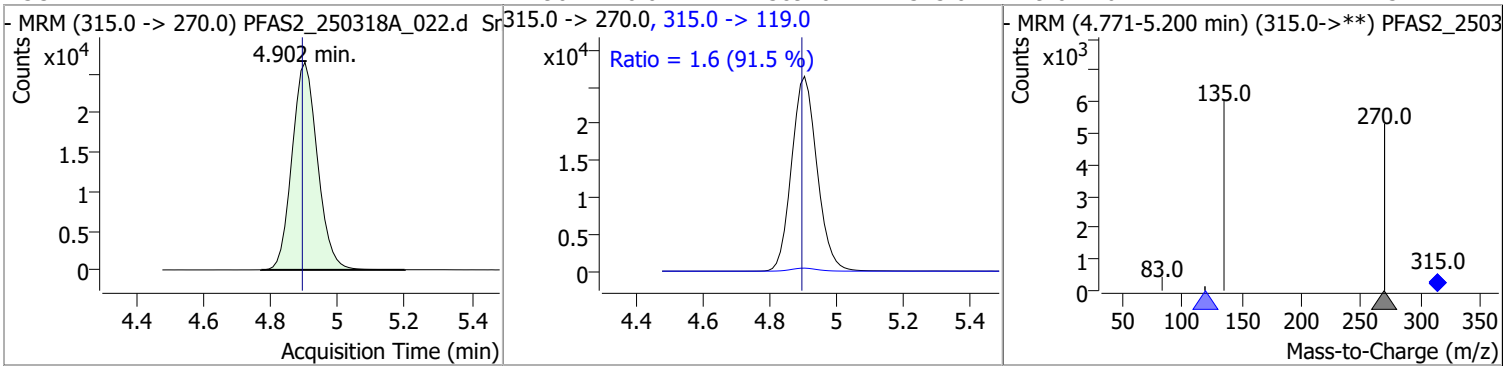
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	12.2387	4.83	0.01	12388	295.0 -> 85.0	29.1	19.1	35.4



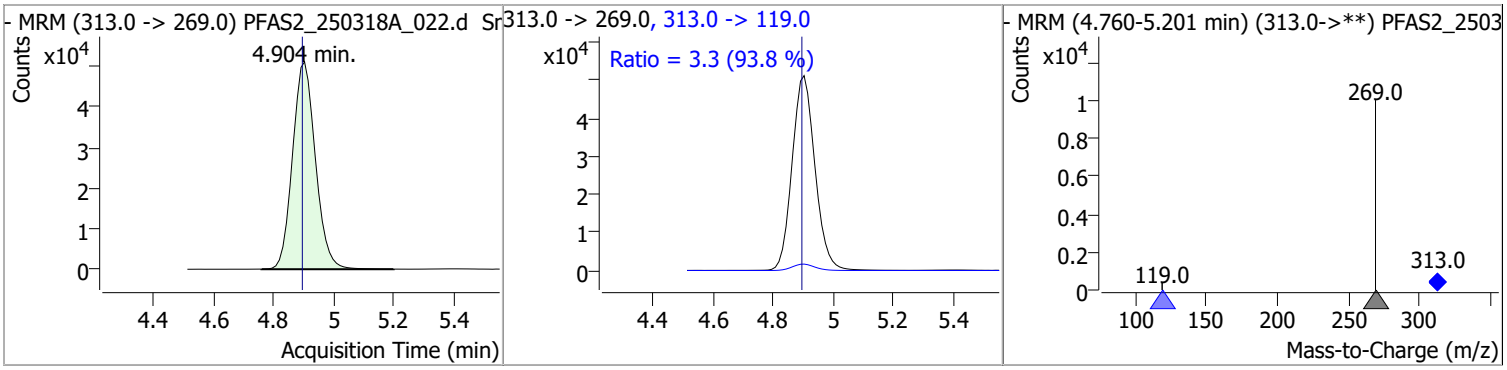
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2493	4.90	0.01	137630	318.0 -> 120.0	1.7	1.1	2.1



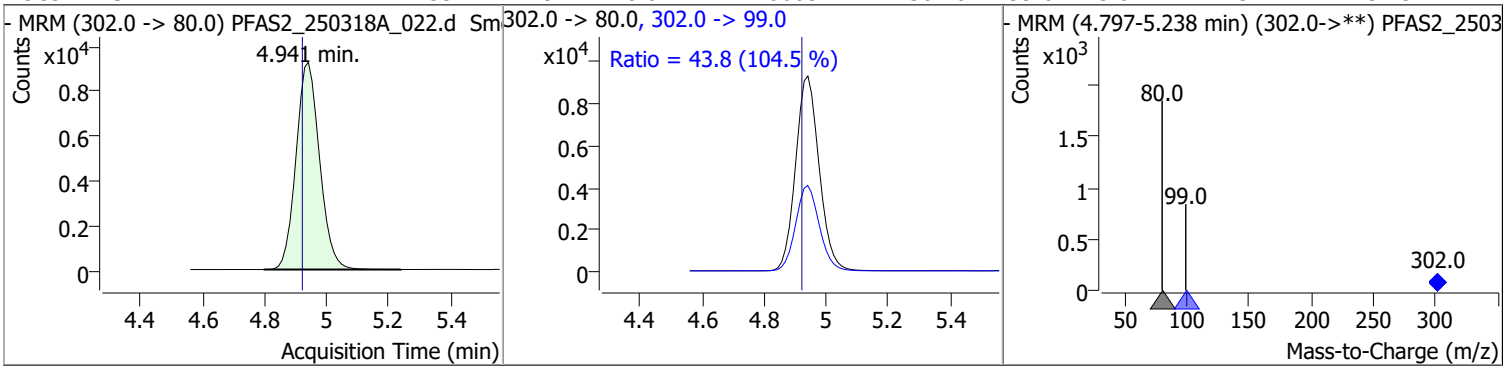
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	138970	315.0 -> 119.0	1.6	1.2	2.3



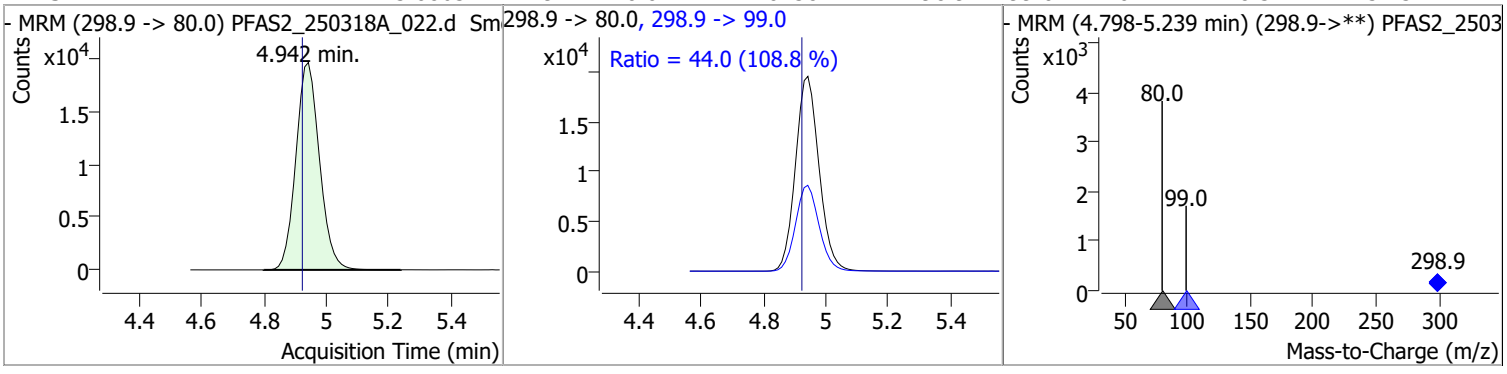
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	5.4857	4.90	0.01	270164	313.0 -> 119.0	3.3	2.4	4.5



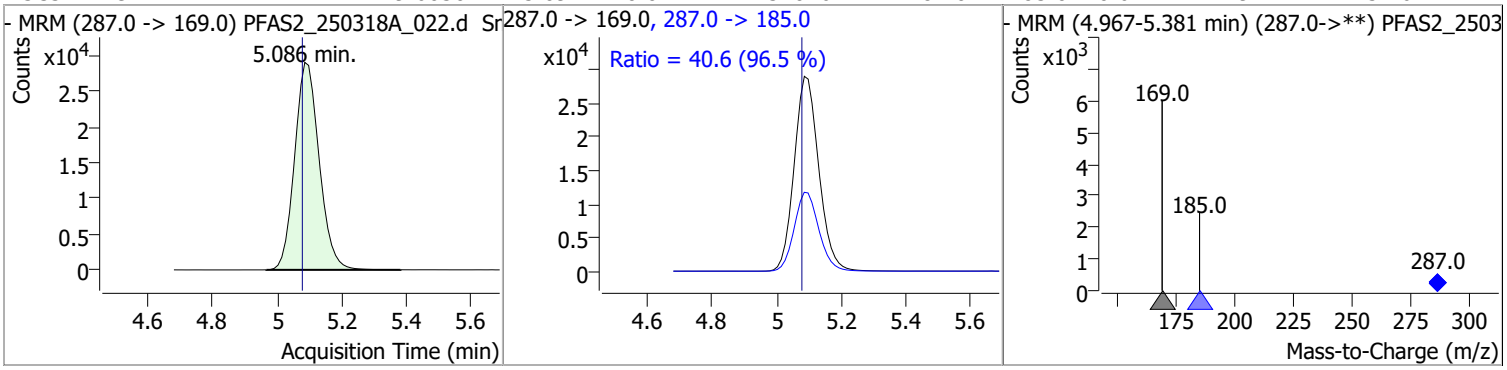
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2552	4.94	0.02	48605	302.0 -> 99.0	43.8	29.4	54.5



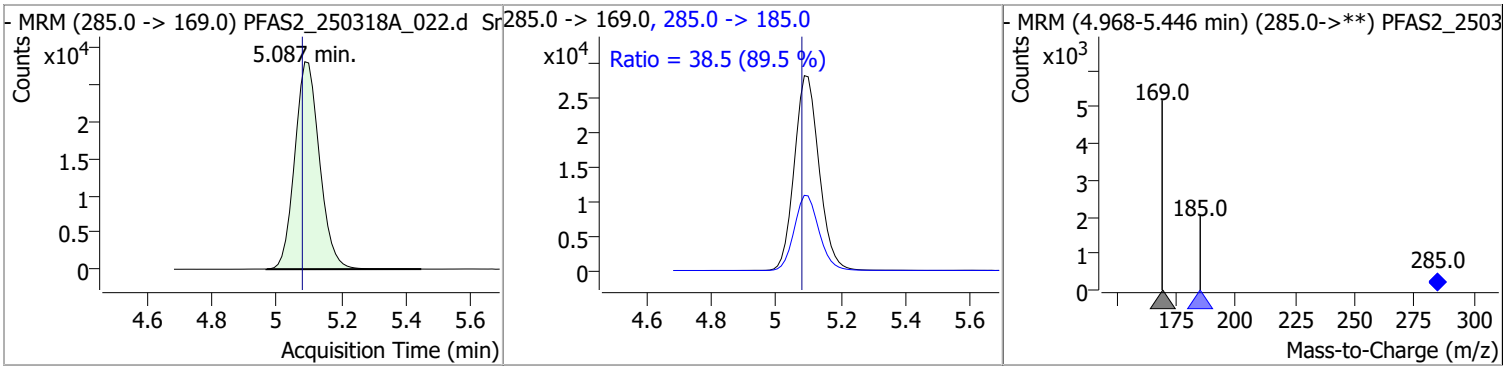
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	5.0863	4.94	0.02	102581	298.9 -> 99.0	44.0	28.3	52.5



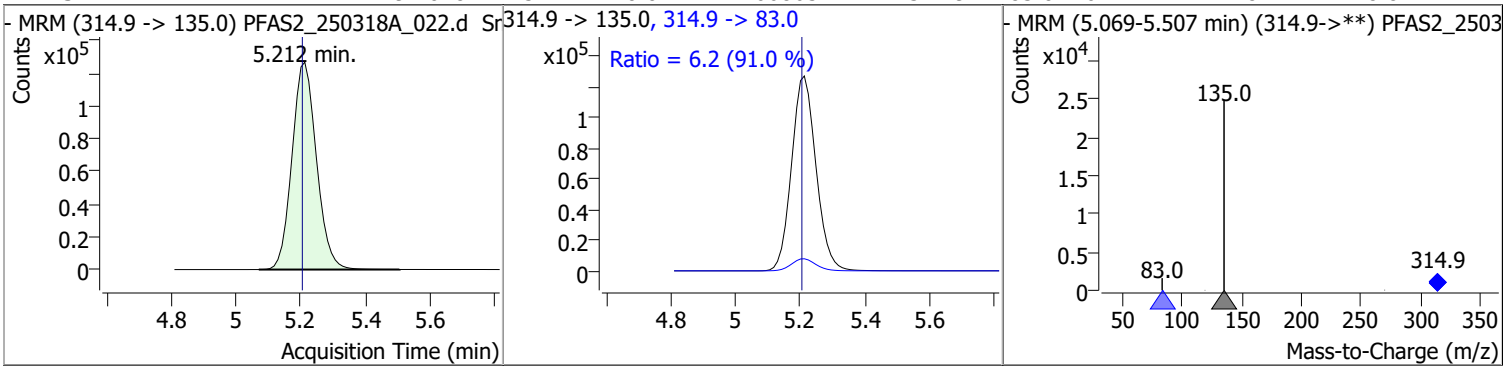
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6030	5.09	0.01	152026	287.0 -> 185.0	40.6	29.4	54.6



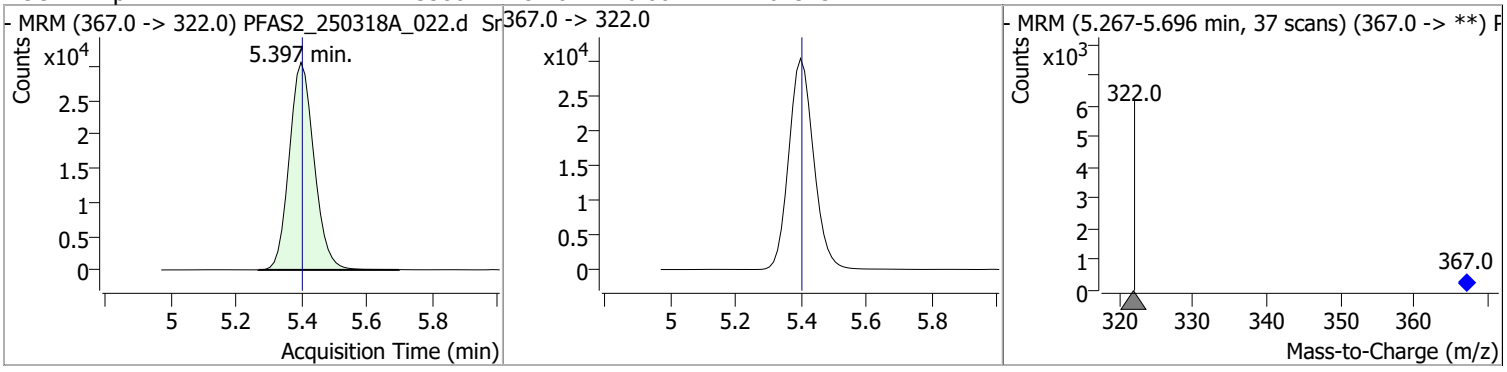
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	11.0418	5.09	0.01	148932	285.0 -> 185.0	38.5	30.1	56.0



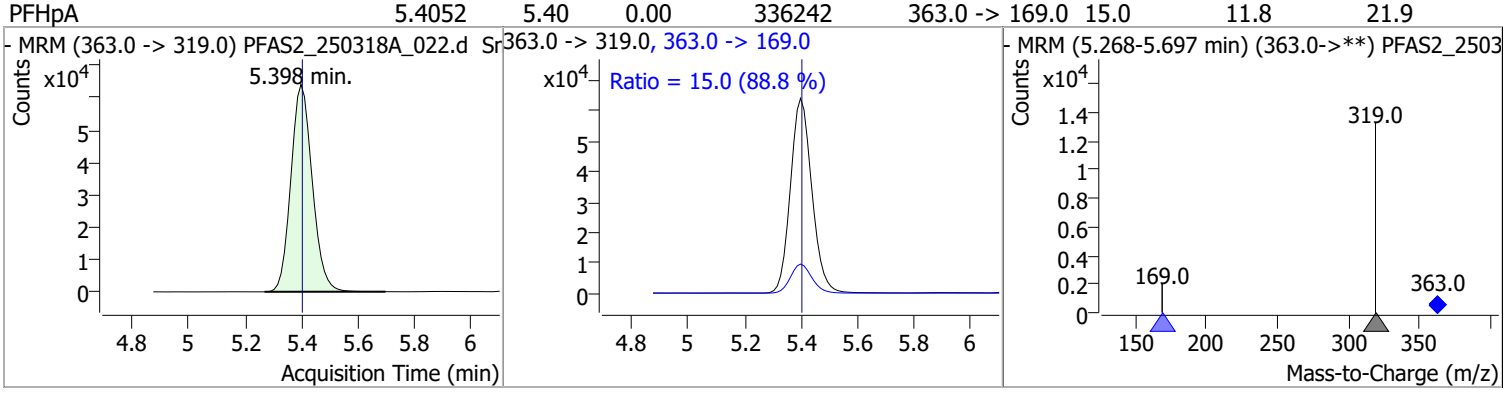
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	9.7078	5.21	0.01	668654	314.9 -> 83.0	6.2	4.8	8.8



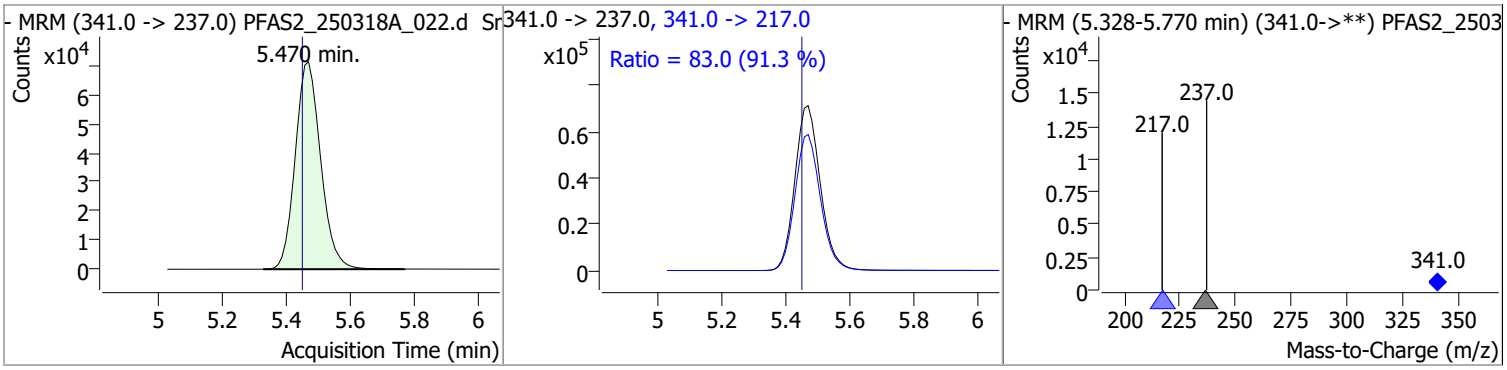
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3580	5.40	0.00	161323				



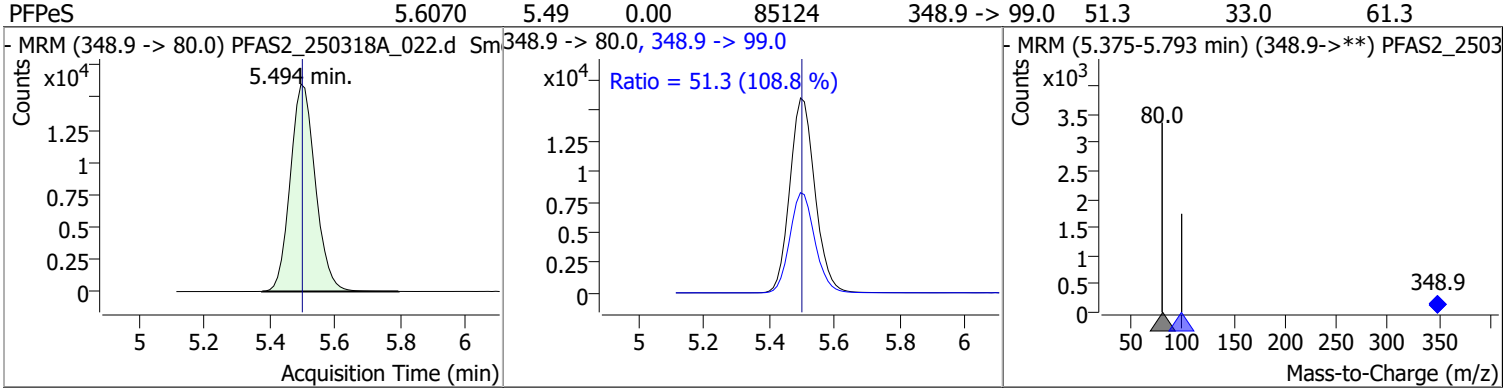
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	5.4052	5.40	0.00	336242	363.0 -> 169.0	15.0	11.8	21.9



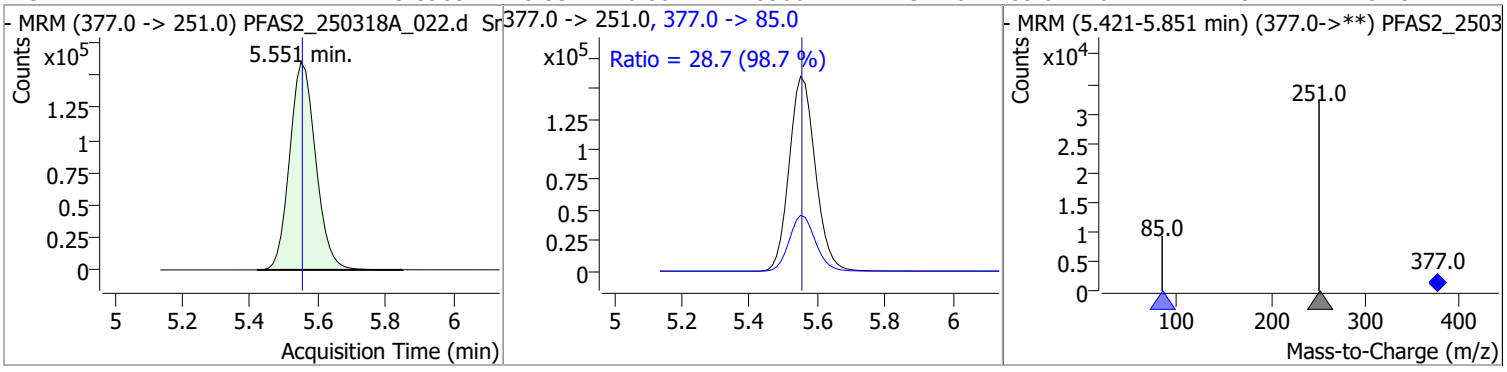
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	101.6610	5.47	0.02	391026	341.0 -> 217.0	83.0	63.6	118.1



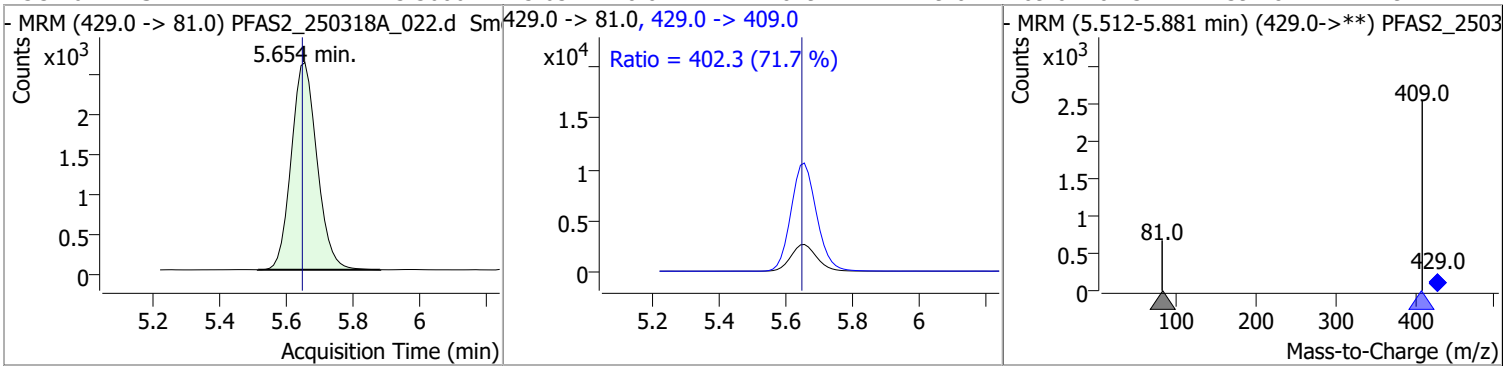
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	5.6070	5.49	0.00	85124	348.9 -> 99.0	51.3	33.0	61.3



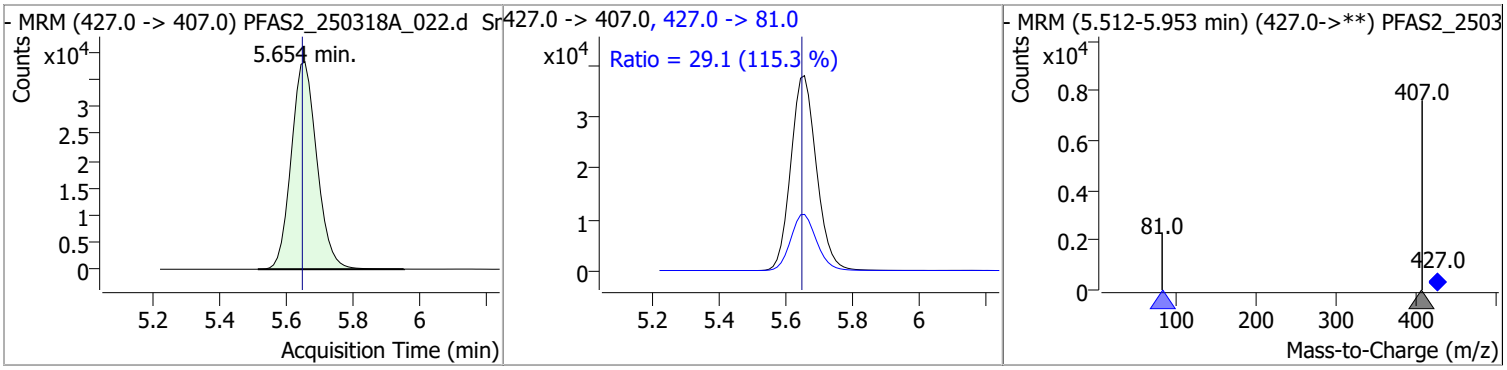
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.5905	5.55	0.00	856624	377.0 -> 85.0	28.7	20.4	37.9



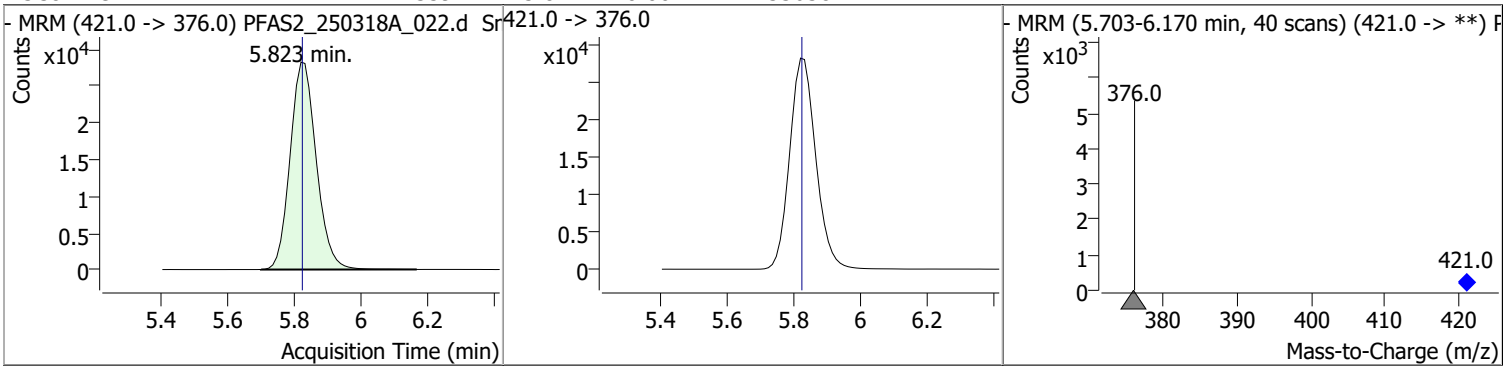
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3606	5.65	0.01	14049	429.0 -> 409.0	402.3	392.8	729.4



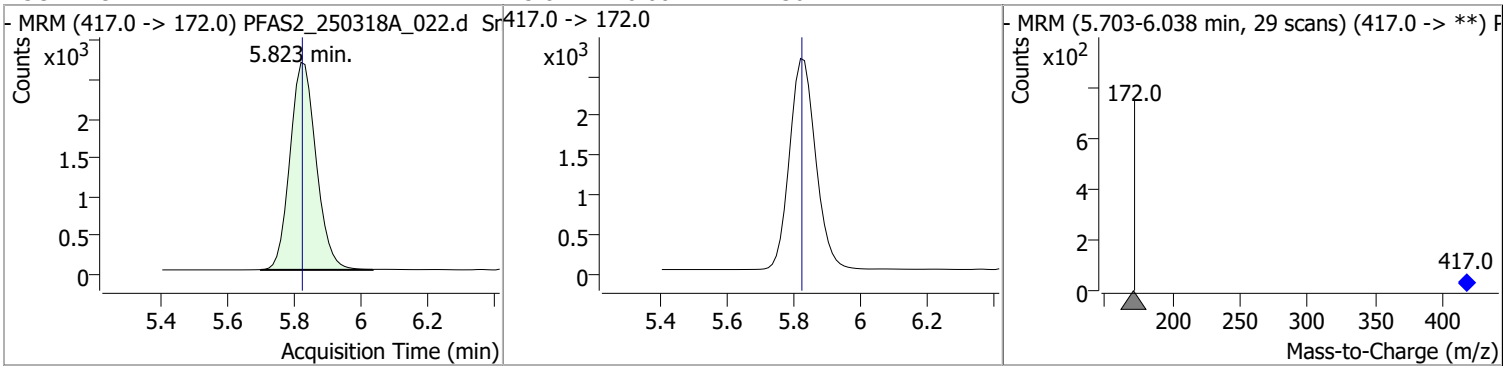
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	20.9095	5.65	0.01	204284	427.0 -> 81.0	29.1	17.7	32.8



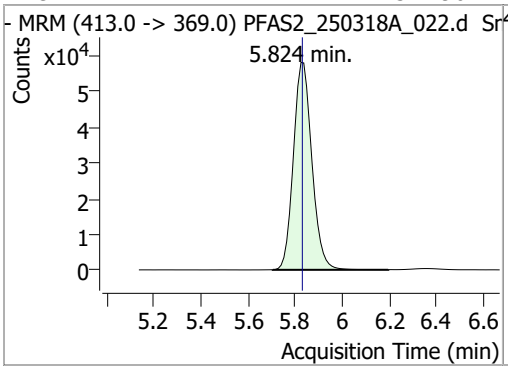
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3594	5.82	0.00	153638				

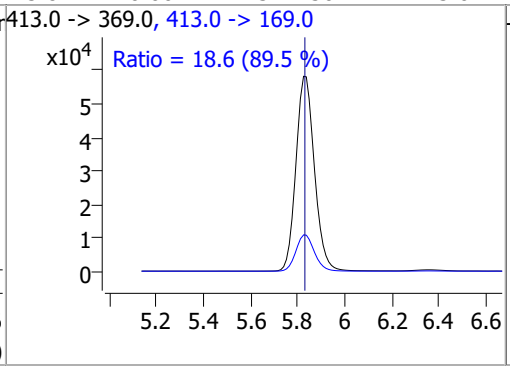


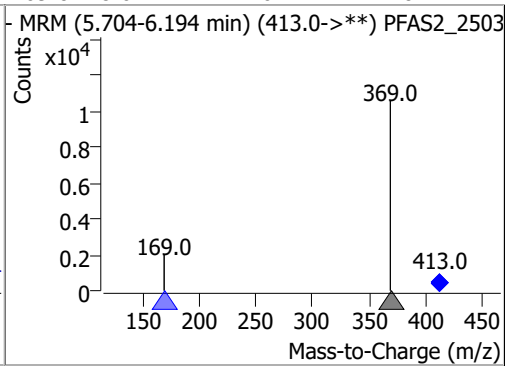
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14561				



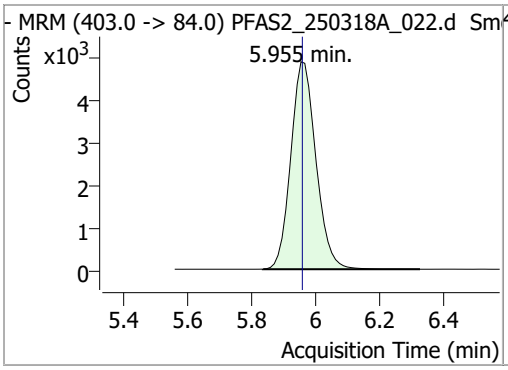
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	5.2496	5.82	0.00	317750	413.0 -> 169.0	18.6	14.6	27.0

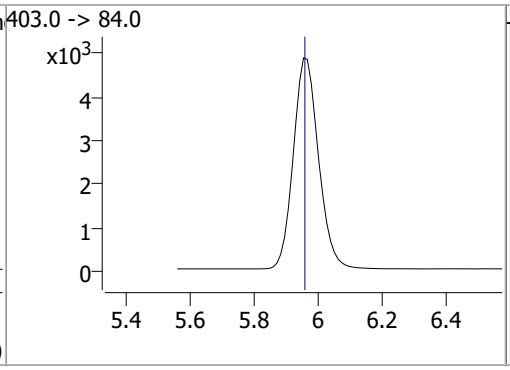


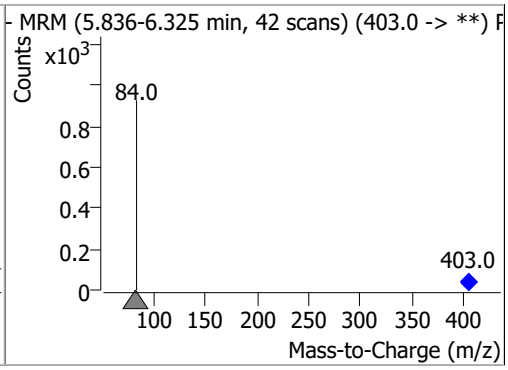




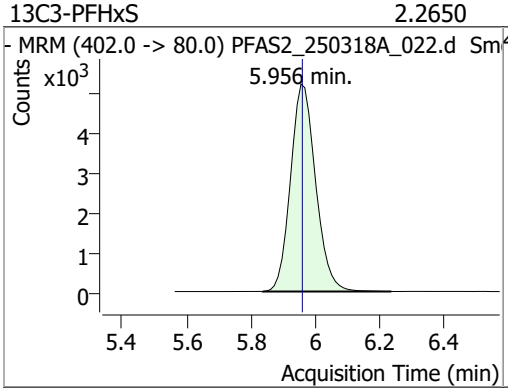
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26319				

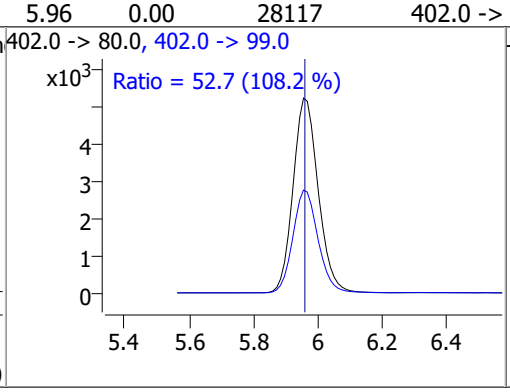


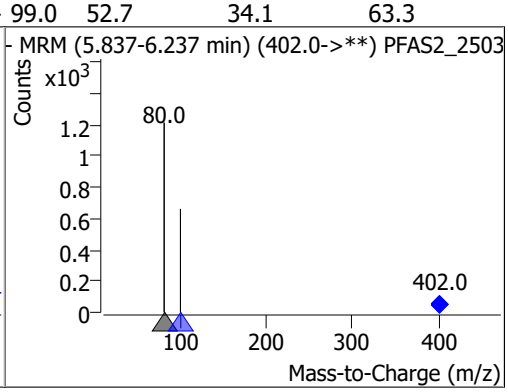




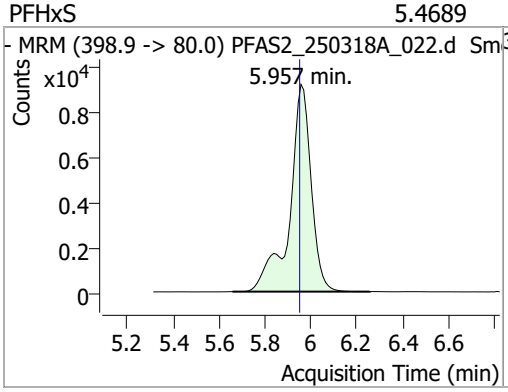
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2650	5.96	0.00	28117	402.0 -> 99.0	52.7	34.1	63.3

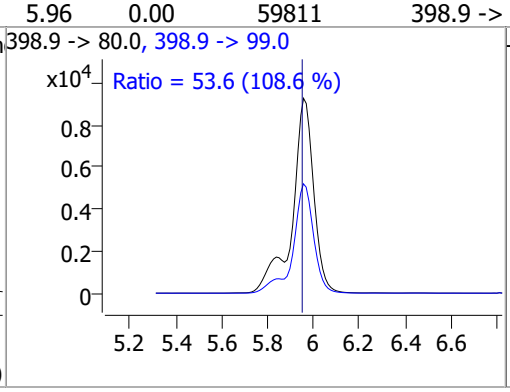


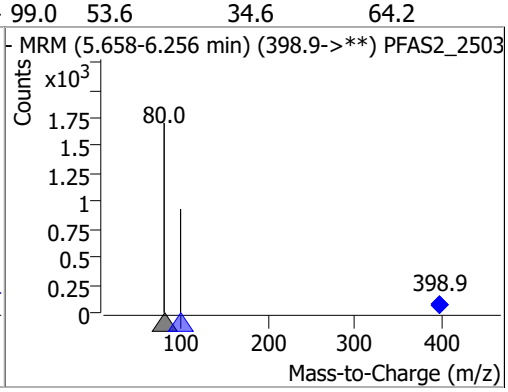




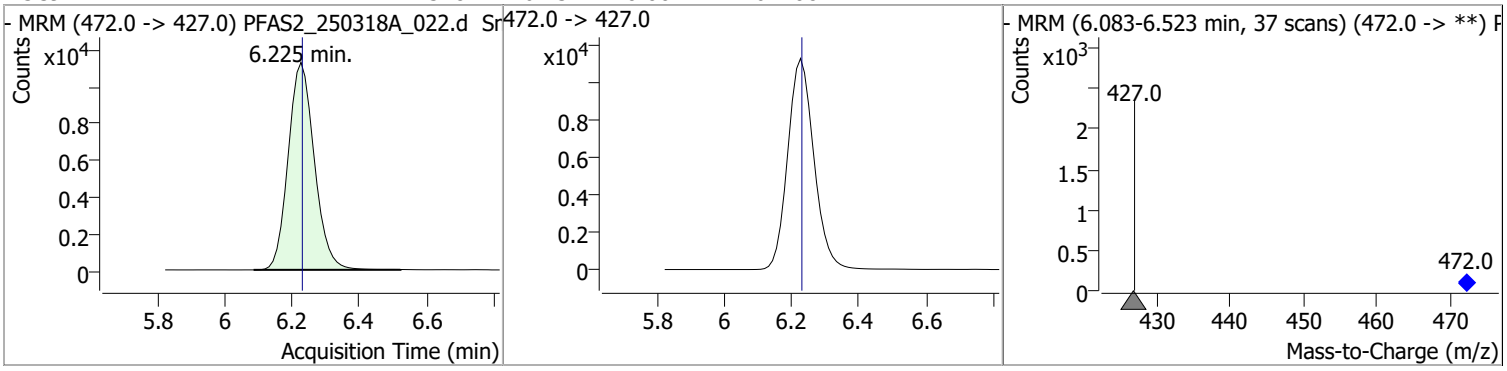
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	5.4689	5.96	0.00	59811	398.9 -> 99.0	53.6	34.6	64.2



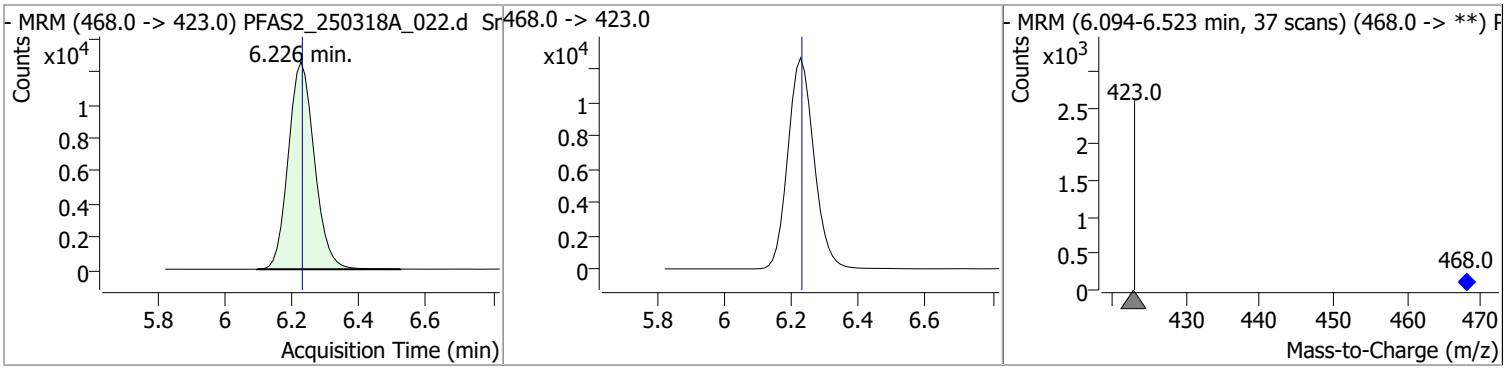




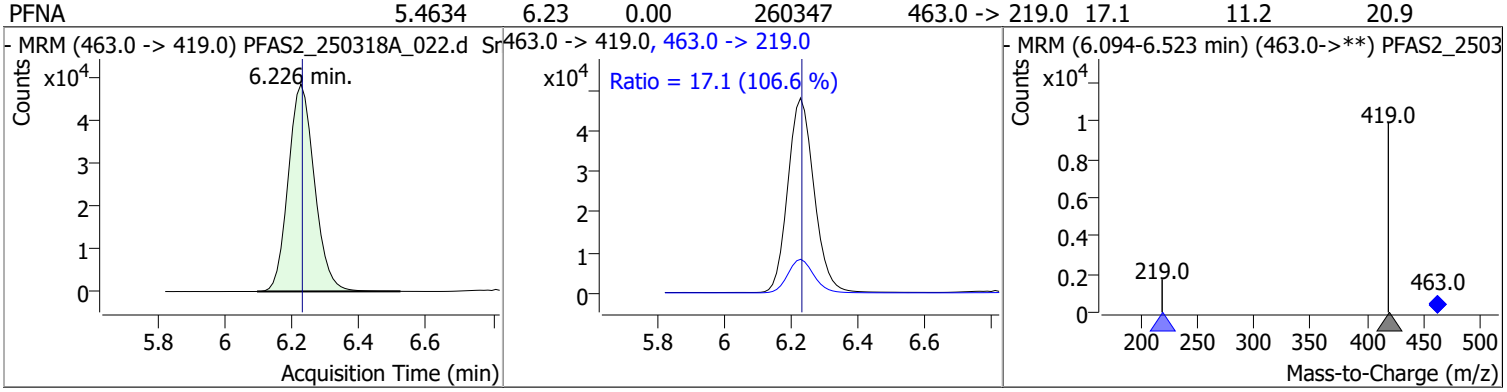
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1318	6.23	0.00	61108				



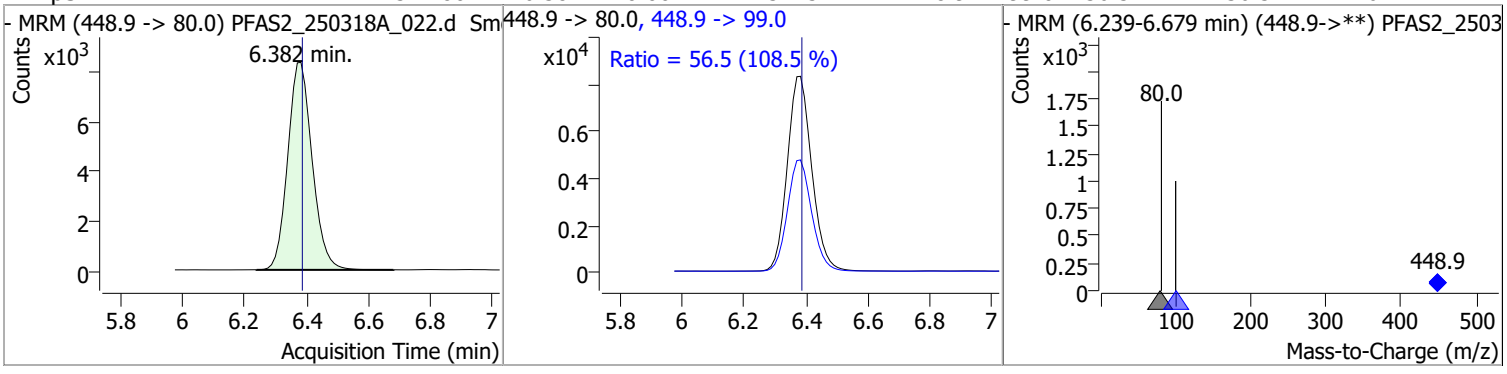
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68138				



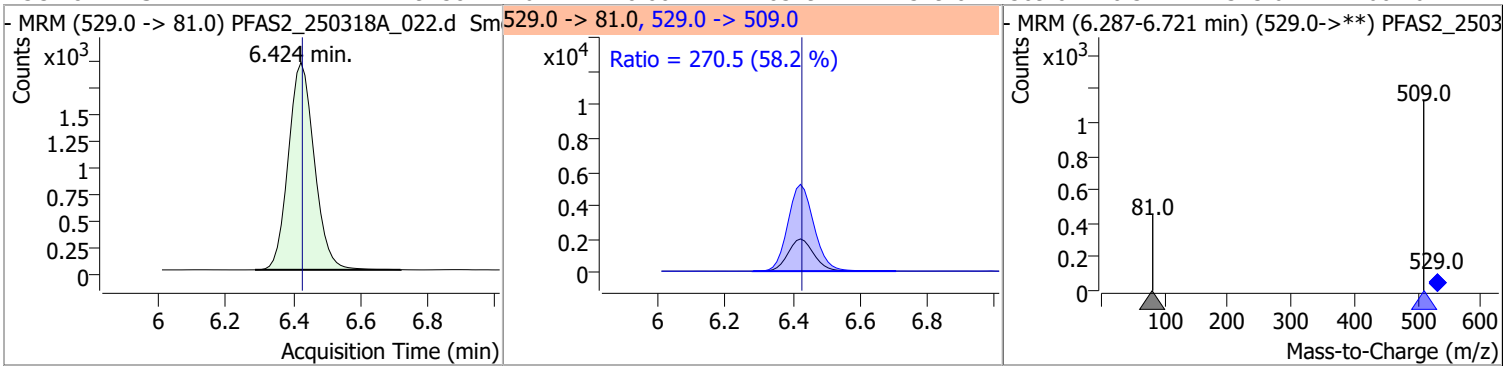
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	5.4634	6.23	0.00	260347	463.0 -> 219.0	17.1	11.2	20.9



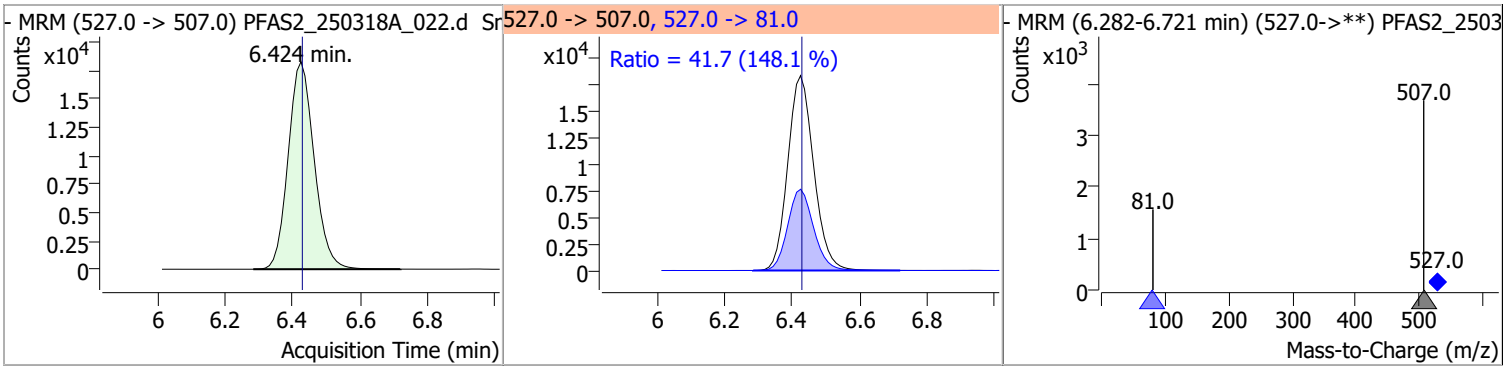
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	5.2280	6.38	0.00	45445	448.9 -> 99.0	56.5	36.5	67.7



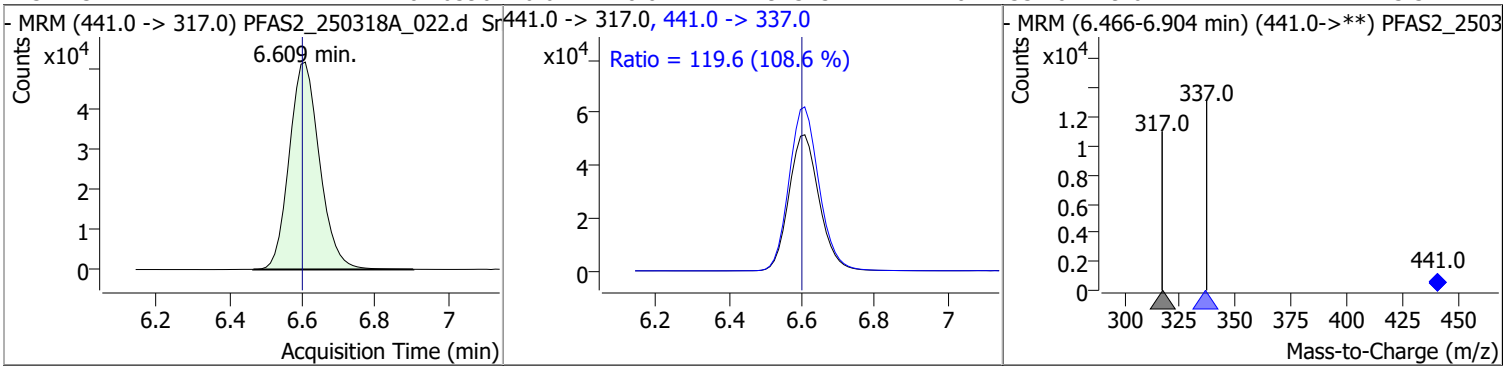
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9258	6.42	0.00	10379	529.0 -> 509.0	270.5	325.6	604.6



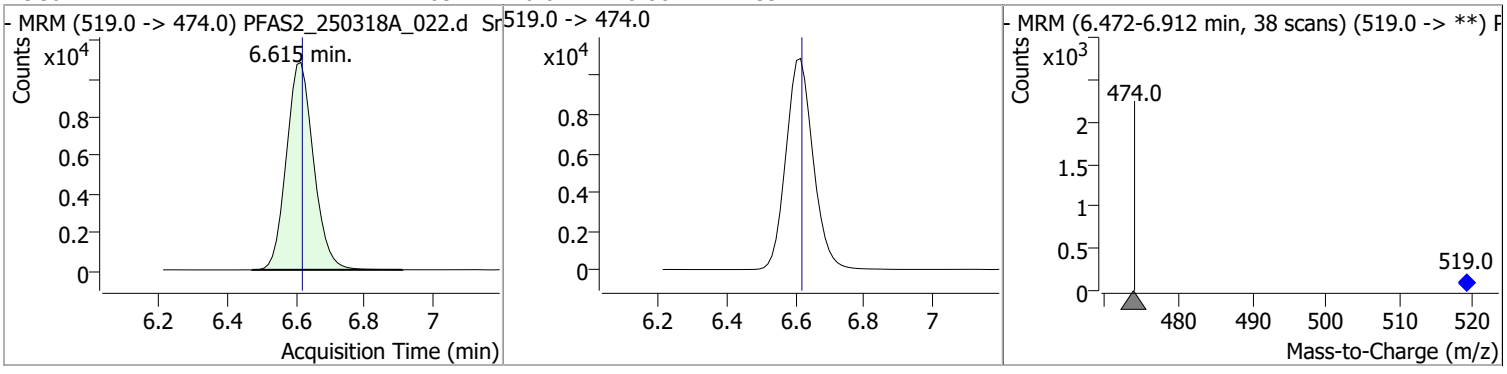
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	21.0809	6.42	0.00	97778	527.0 -> 81.0	41.7	19.7	36.6



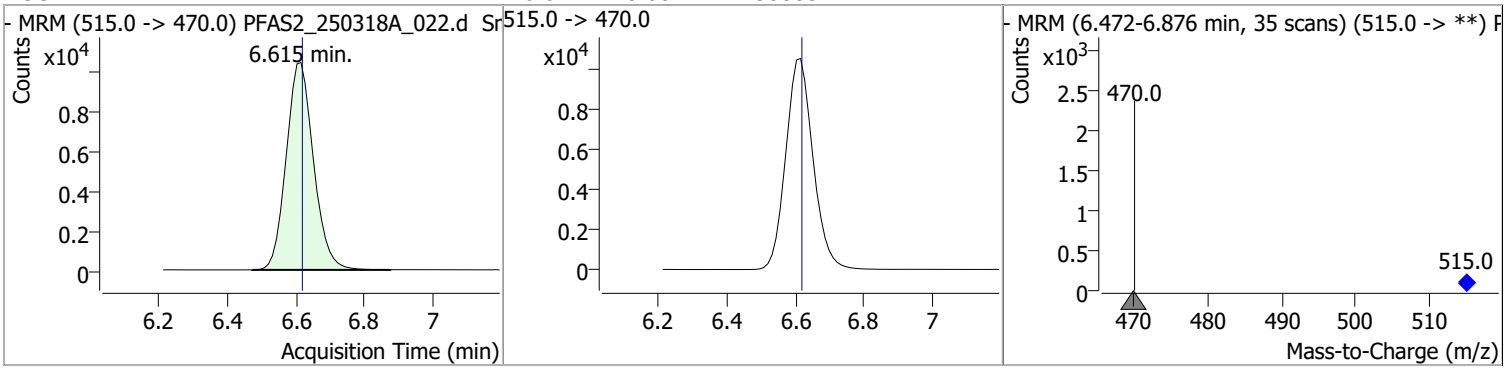
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	101.6596	6.61	0.01	297345	441.0 -> 337.0	119.6	77.1	143.3



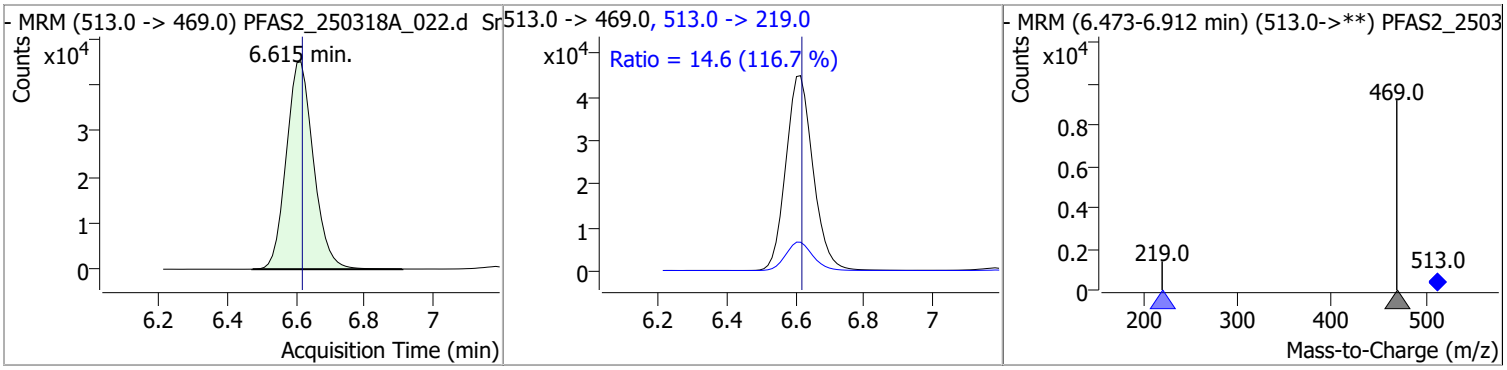
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2651	6.61	0.00	59712				



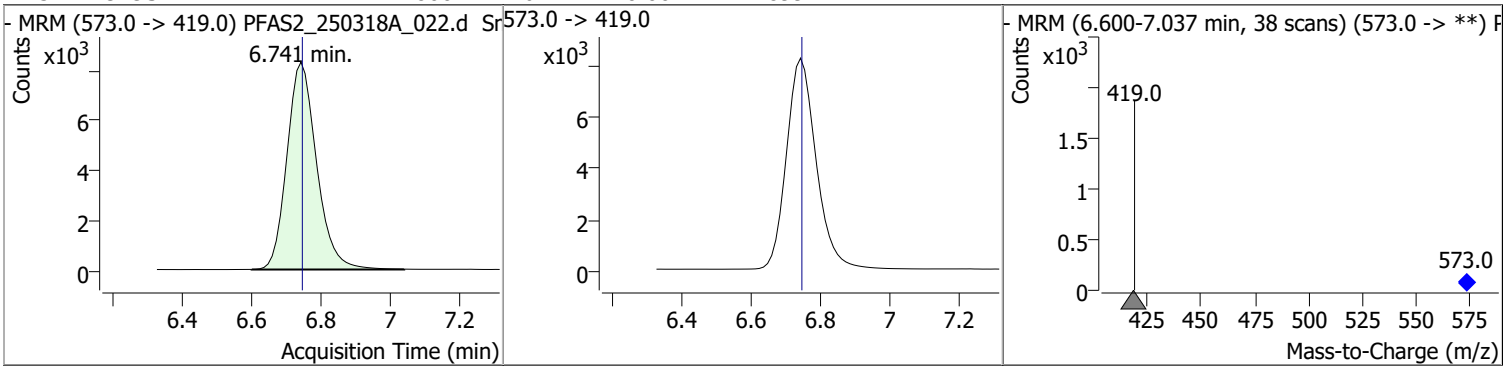
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	58005				



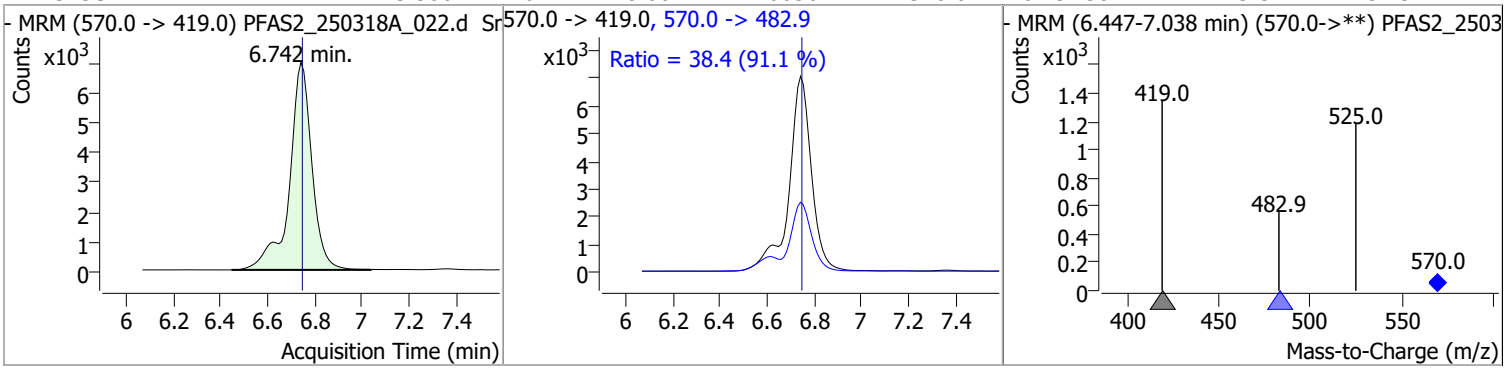
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	5.6432	6.62	0.00	248105	513.0 -> 219.0	14.6	8.7	16.2



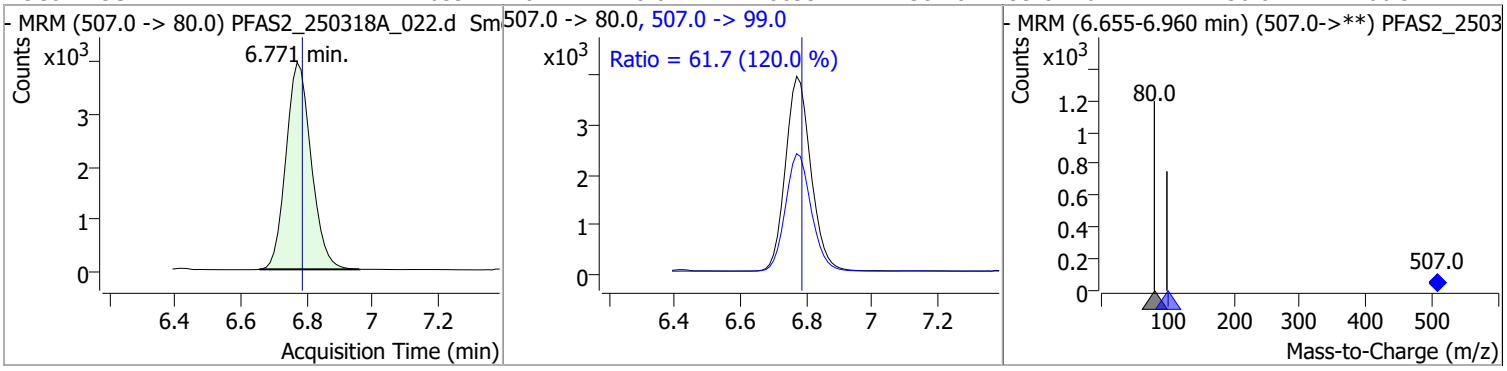
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8004	6.74	0.00	48992				



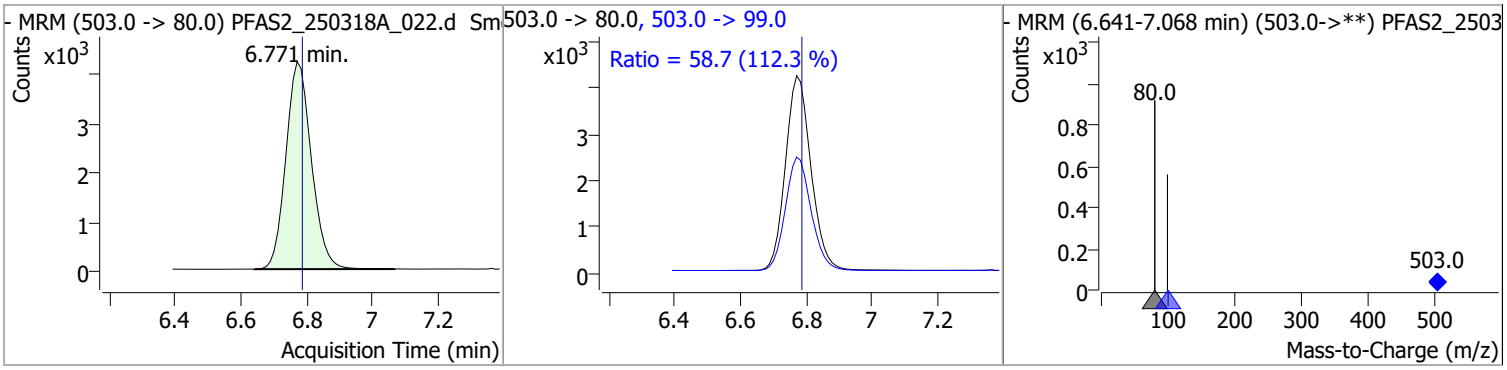
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	5.3861	6.74	0.00	46636	570.0 -> 482.9	38.4	29.5	54.9



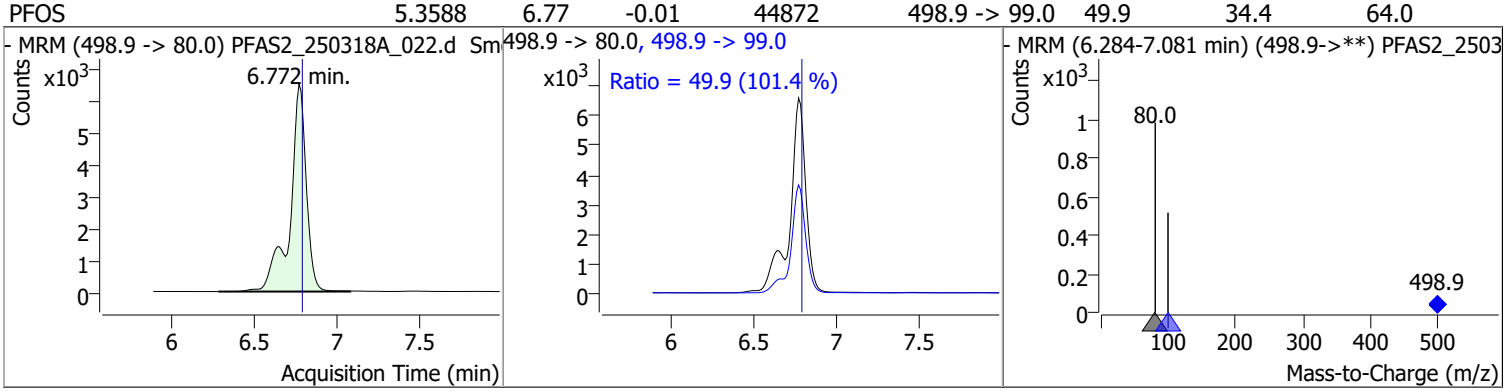
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2639	6.77	-0.01	20899	507.0 -> 99.0	61.7	36.0	66.9



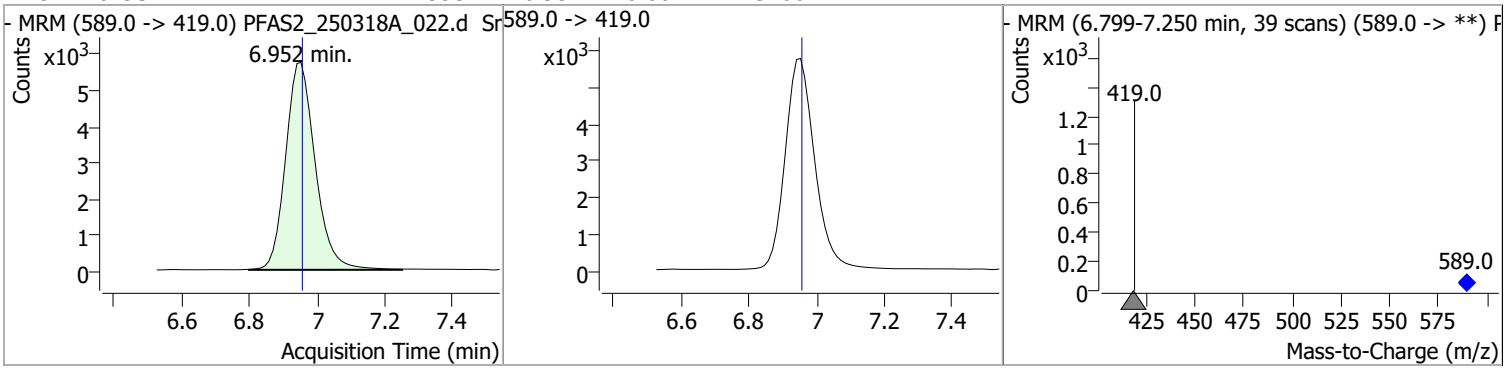
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	22745	503.0 -> 99.0	58.7	36.6	67.9



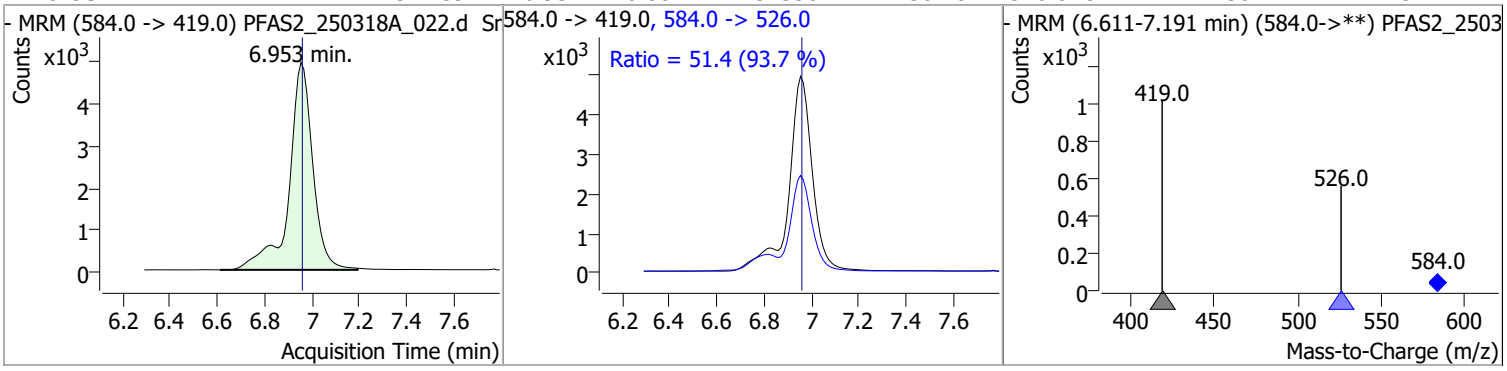
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	5.3588	6.77	-0.01	44872	498.9 -> 99.0	49.9	34.4	64.0



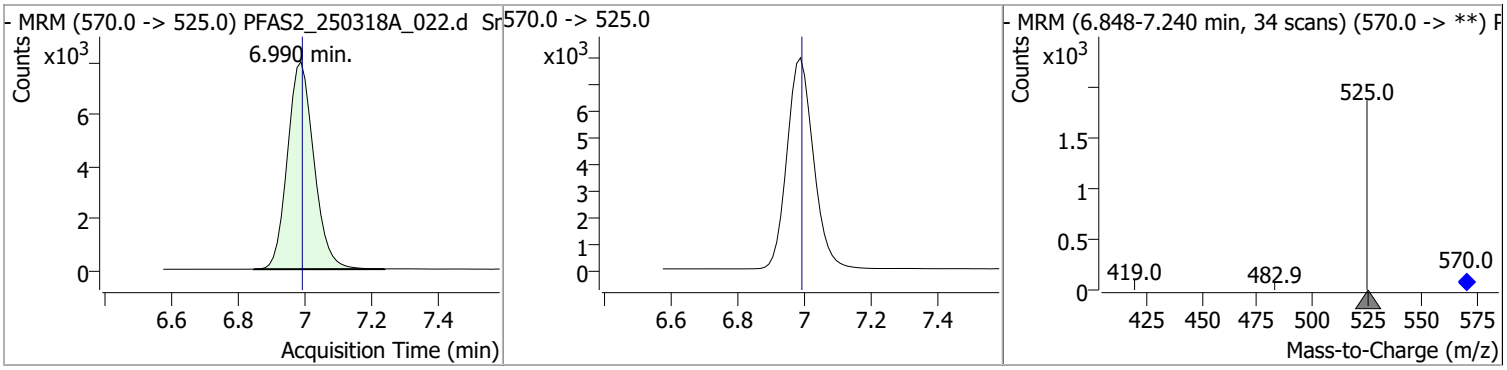
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.4993	6.95	0.00	34667				



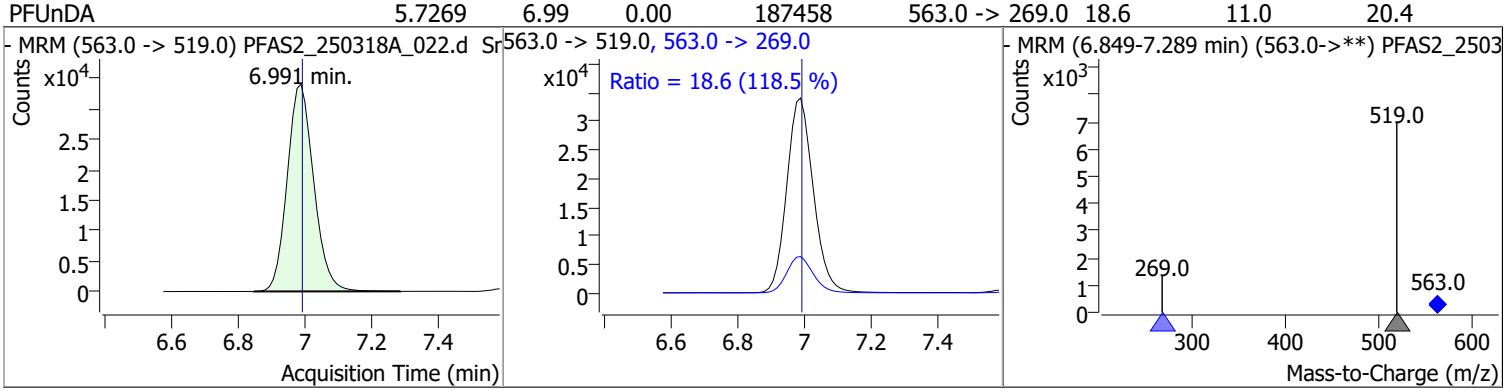
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	5.2439	6.95	0.00	34330	584.0 -> 526.0	51.4	38.4	71.3



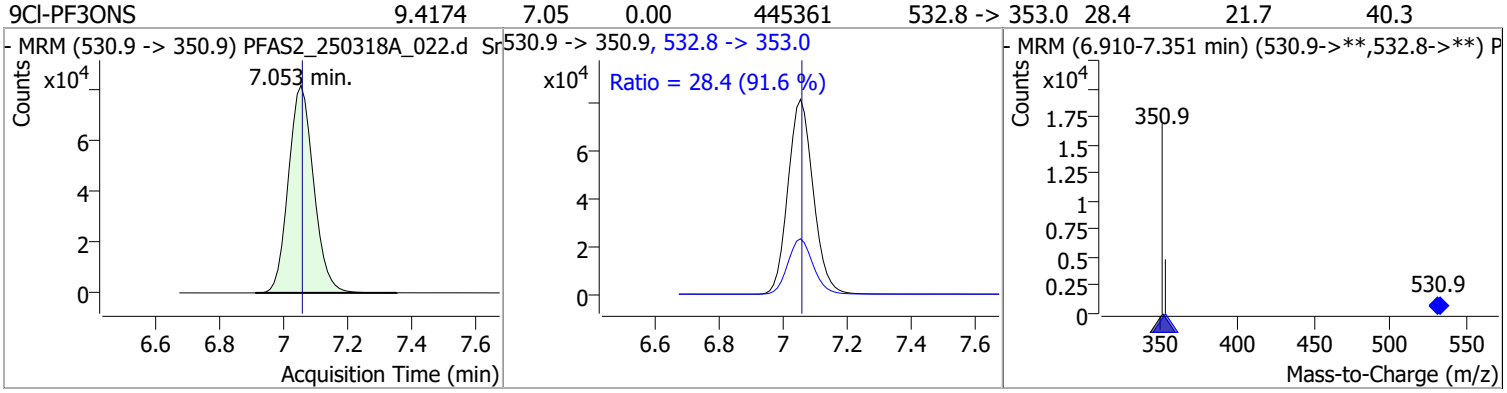
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1841	6.99	0.00	44046				



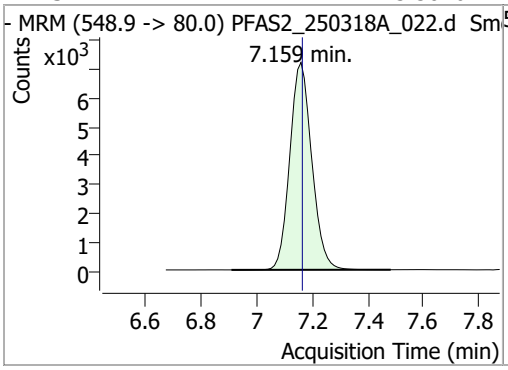
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	5.7269	6.99	0.00	187458	563.0 -> 269.0	18.6	11.0	20.4

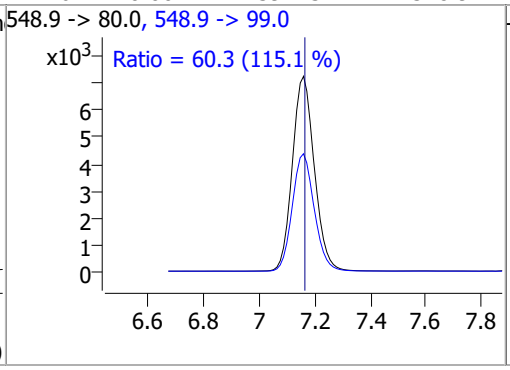


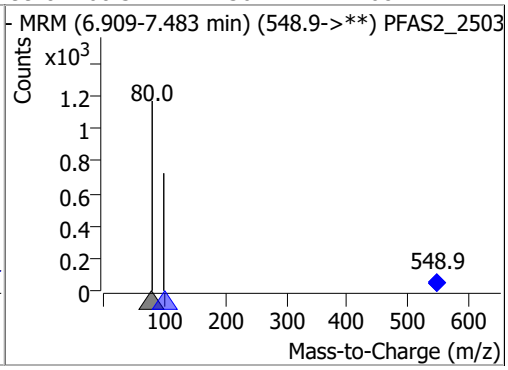
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	9.4174	7.05	0.00	445361	532.8 -> 353.0	28.4	21.7	40.3



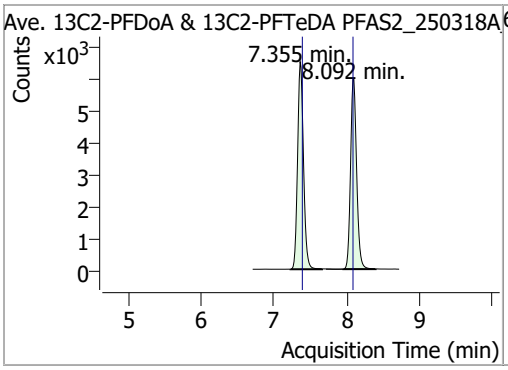
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	5.5046	7.16	0.00	39243	548.9 -> 99.0	60.3	36.7	68.1

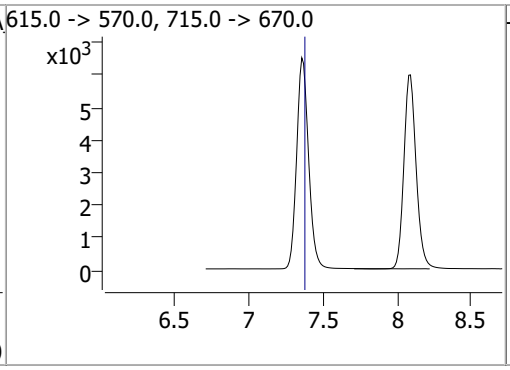


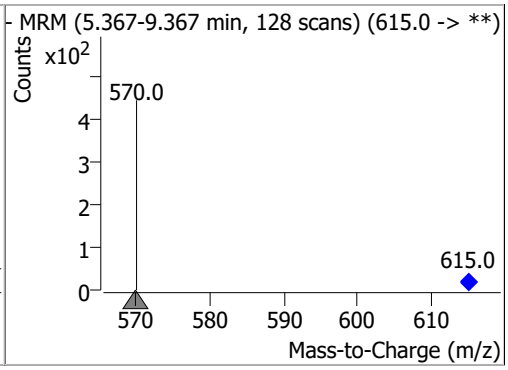




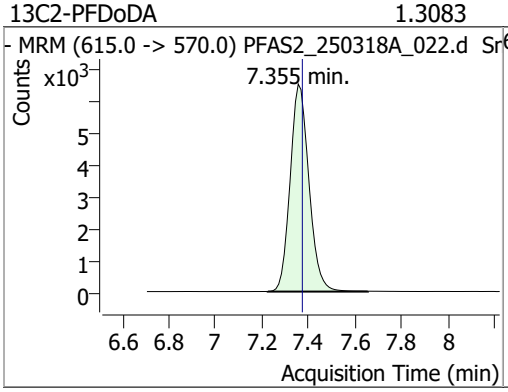
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1510	7.72	0.36	35289				

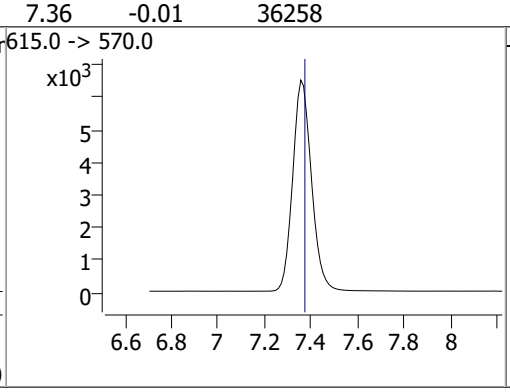


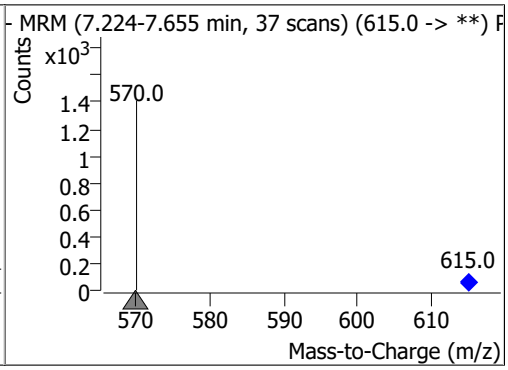




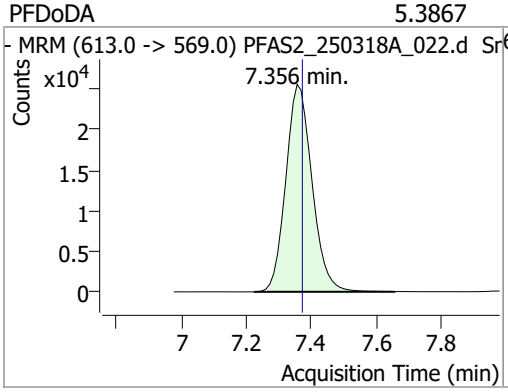
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3083	7.36	-0.01	36258				

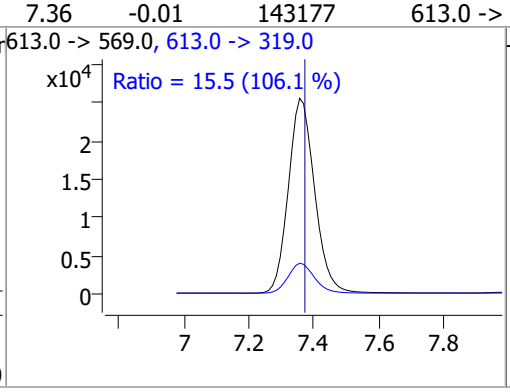


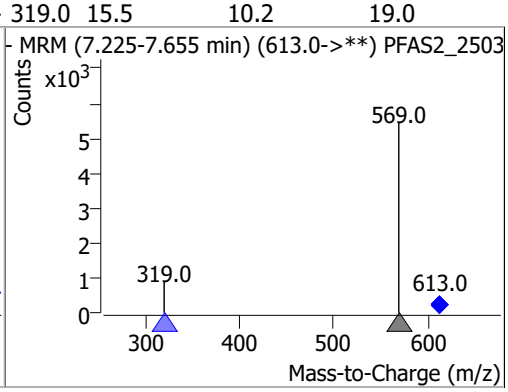




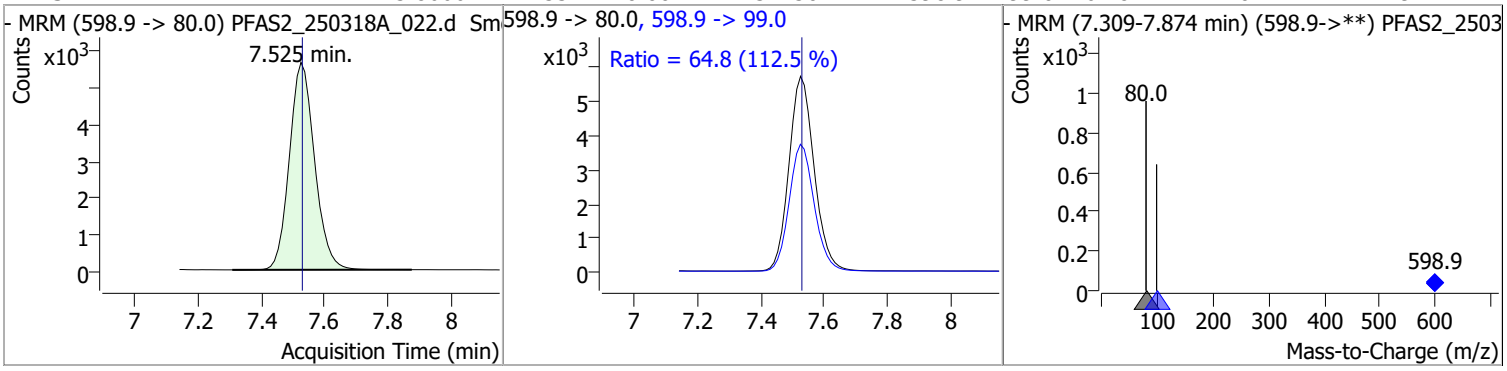
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	5.3867	7.36	-0.01	143177	613.0 -> 319.0	15.5	10.2	19.0



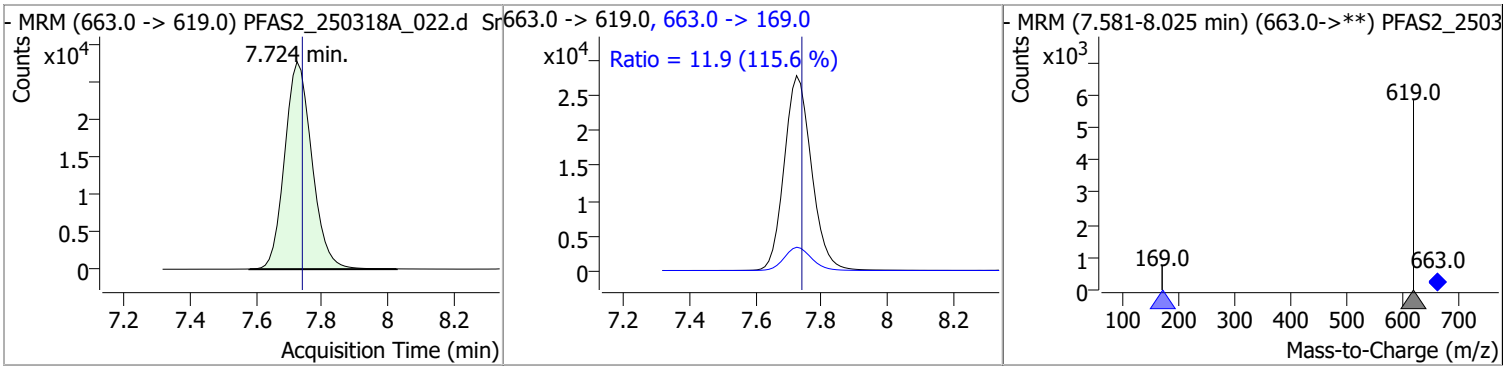




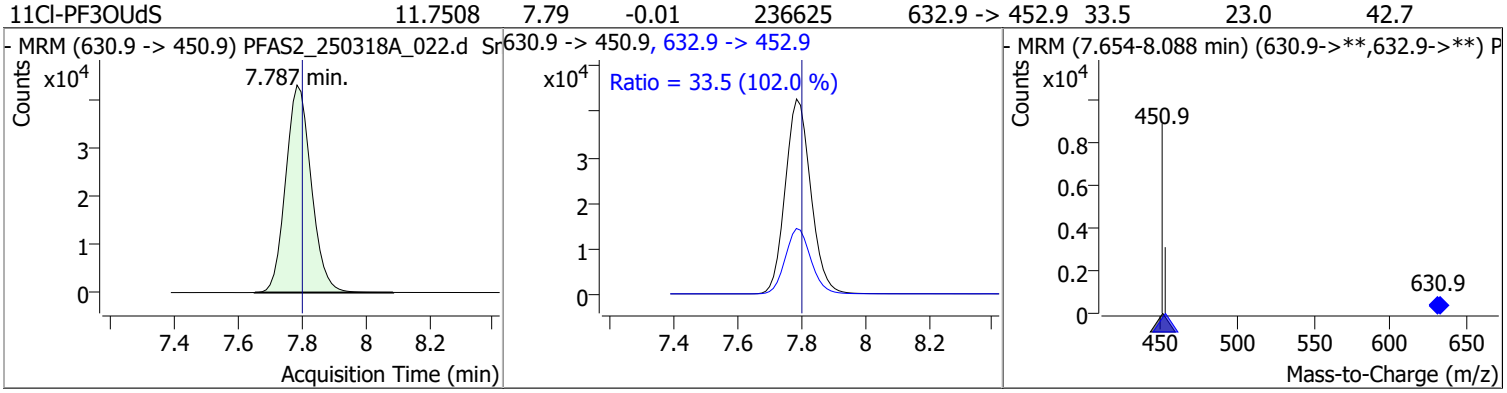
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	5.8666	7.53	0.00	31250	598.9 -> 99.0	64.8	40.4	74.9



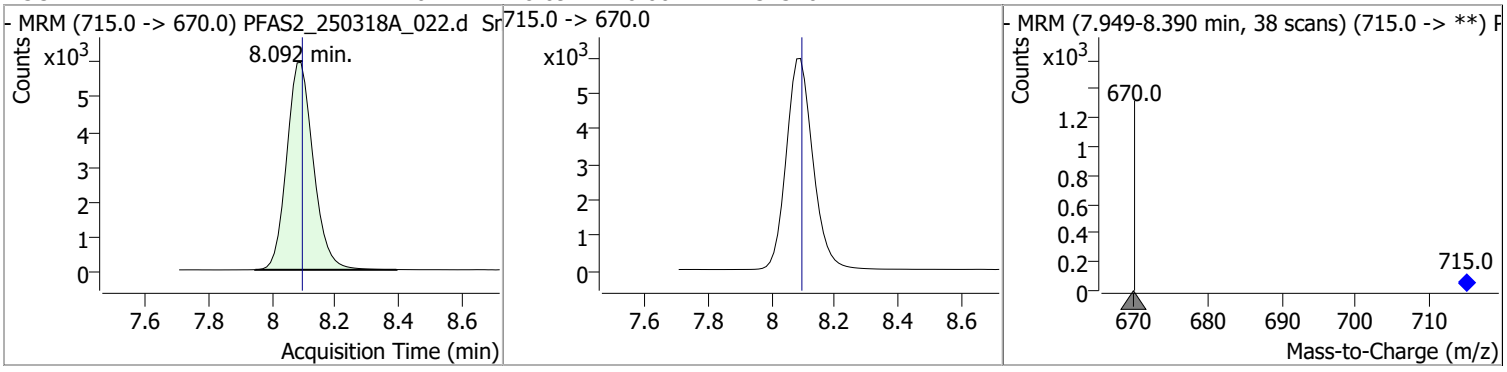
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	5.9669	7.72	-0.01	158655	663.0 -> 169.0	11.9	7.2	13.4



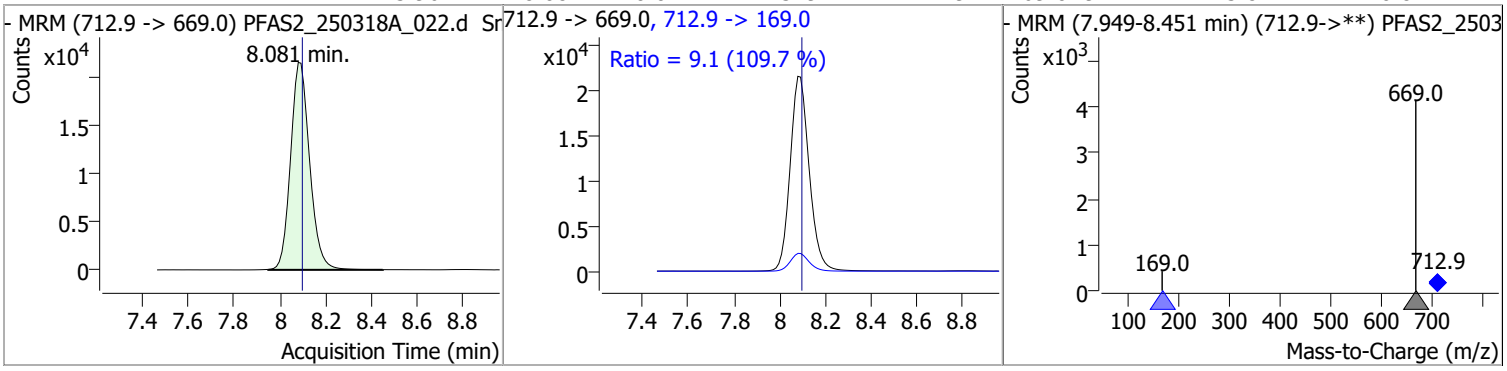
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	11.7508	7.79	-0.01	236625	632.9 -> 452.9	33.5	23.0	42.7



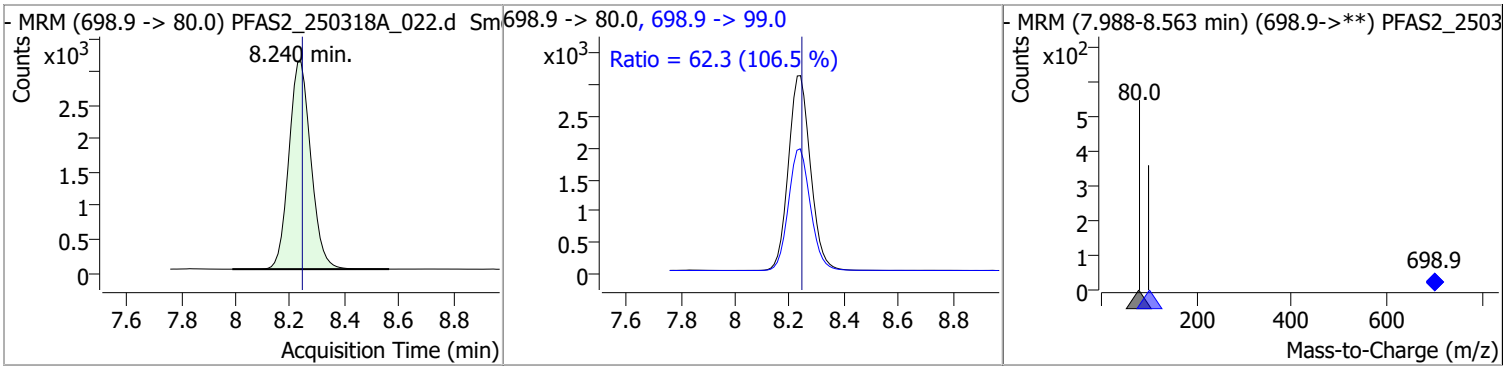
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.0212	8.09	0.00	34320				



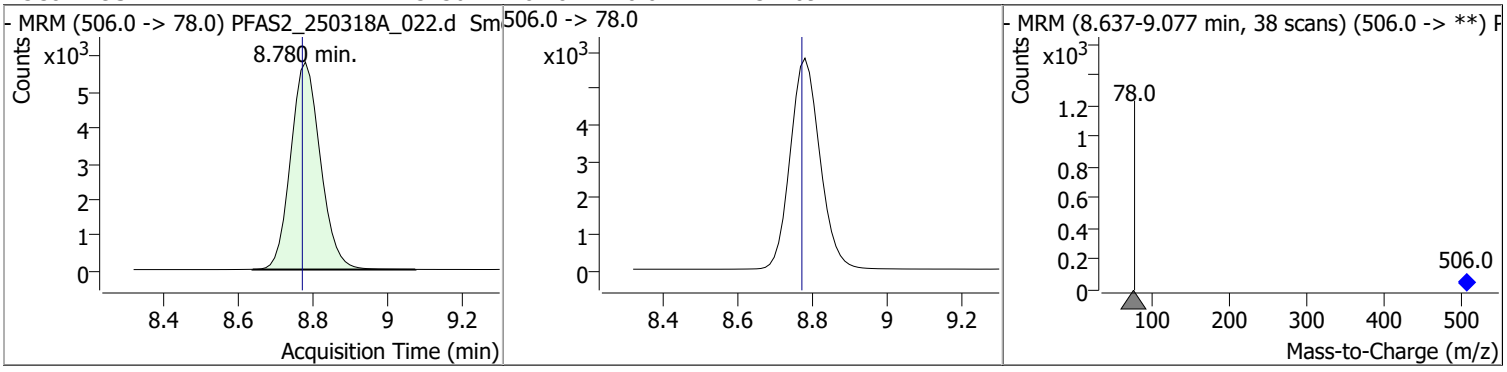
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	5.9642	8.08	-0.01	125194	712.9 -> 169.0	9.1	5.8	10.8



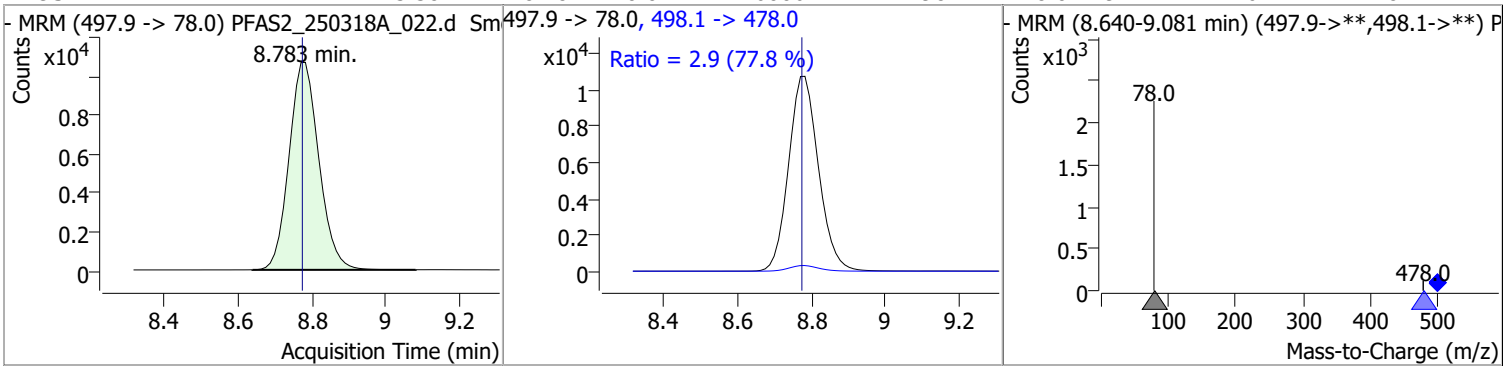
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	4.6703	8.24	0.00	17396	698.9 -> 99.0	62.3	41.0	76.1



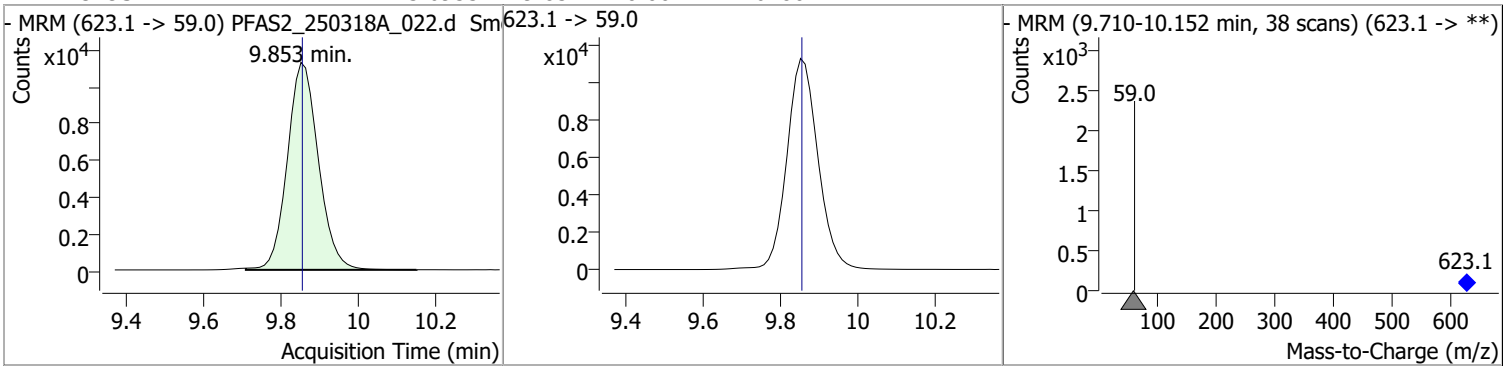
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3736	8.78	0.01	32109				



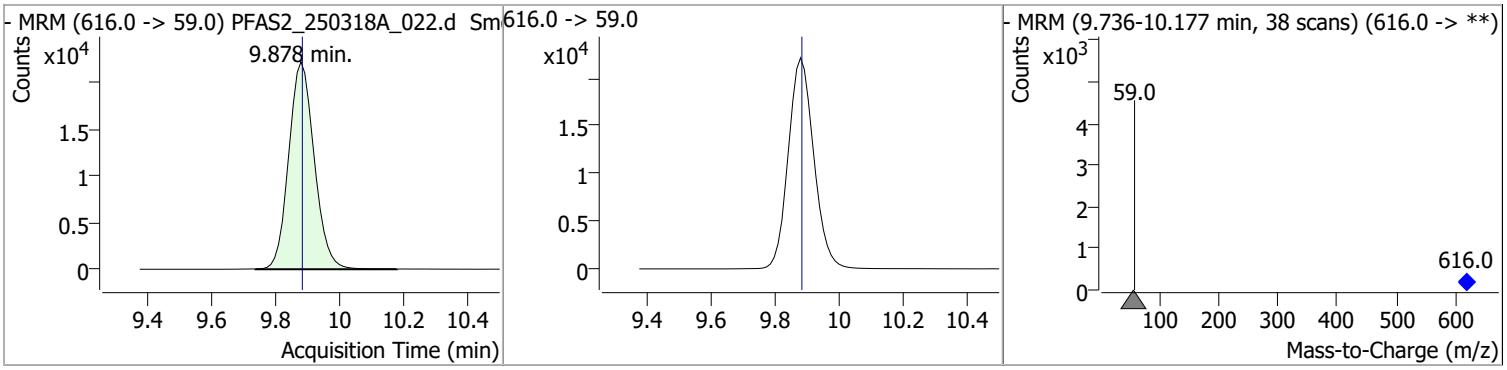
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	5.3827	8.78	0.01	60067	498.1 -> 478.0	2.9	2.6	4.8



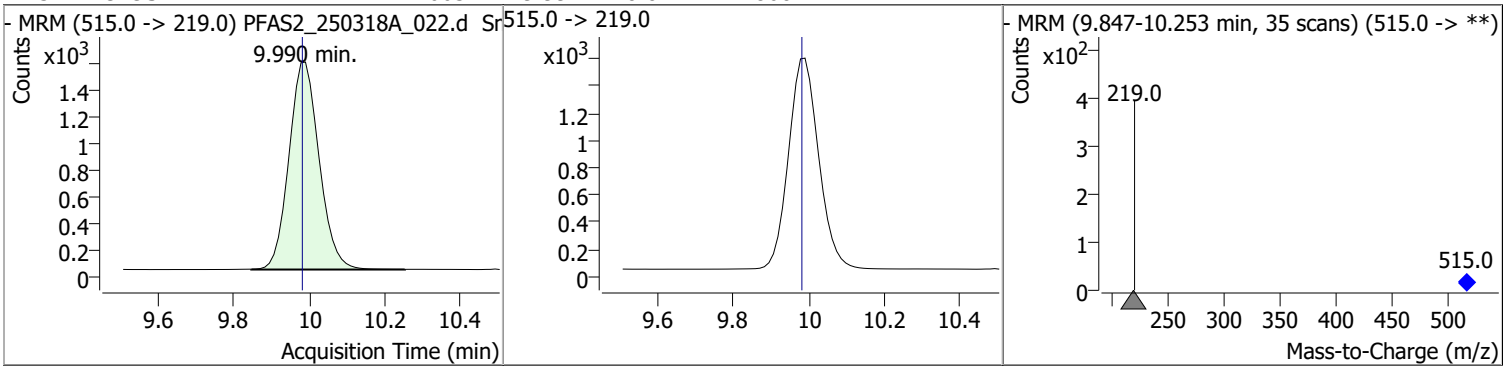
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.6953	9.85	0.00	62802				



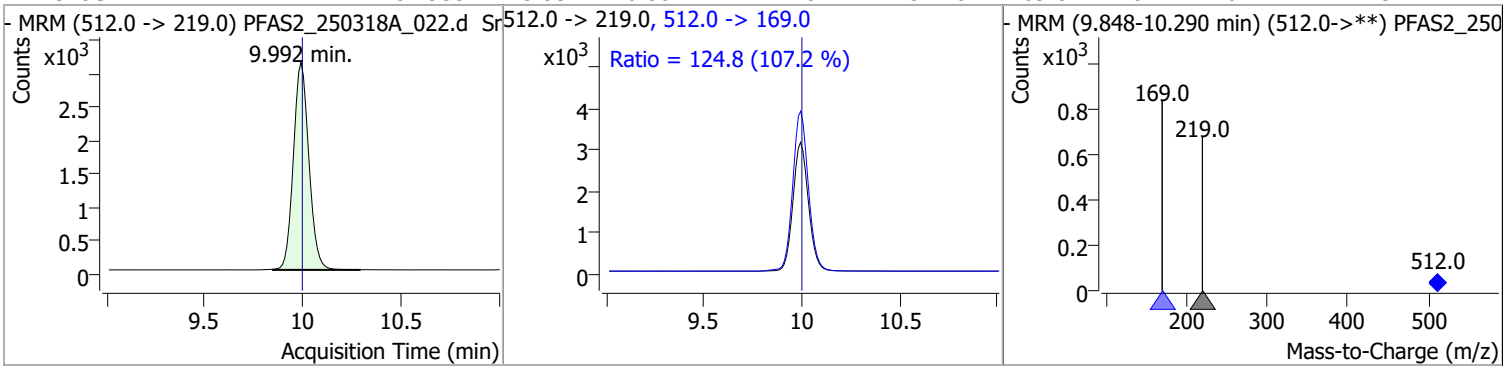
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	64.8138	9.88	0.00	122099				



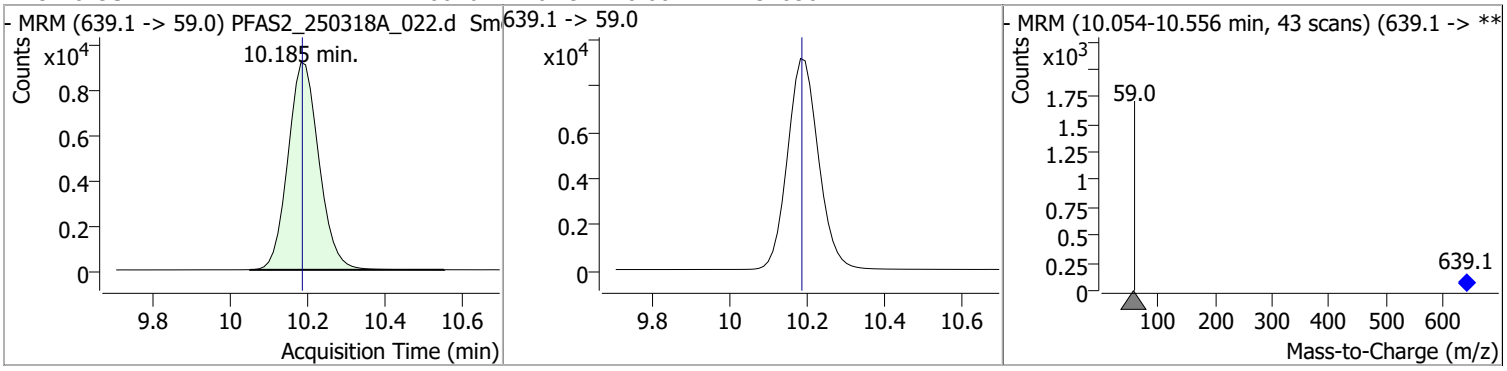
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2663	9.99	0.01	8604				



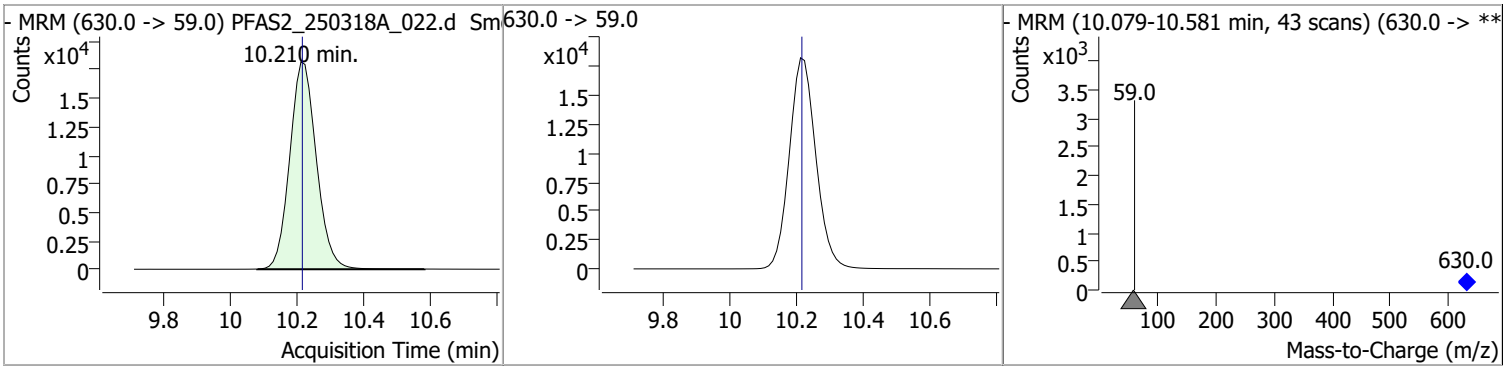
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	5.2933	9.99	0.00	17129	512.0 -> 169.0	124.8	81.4	151.2



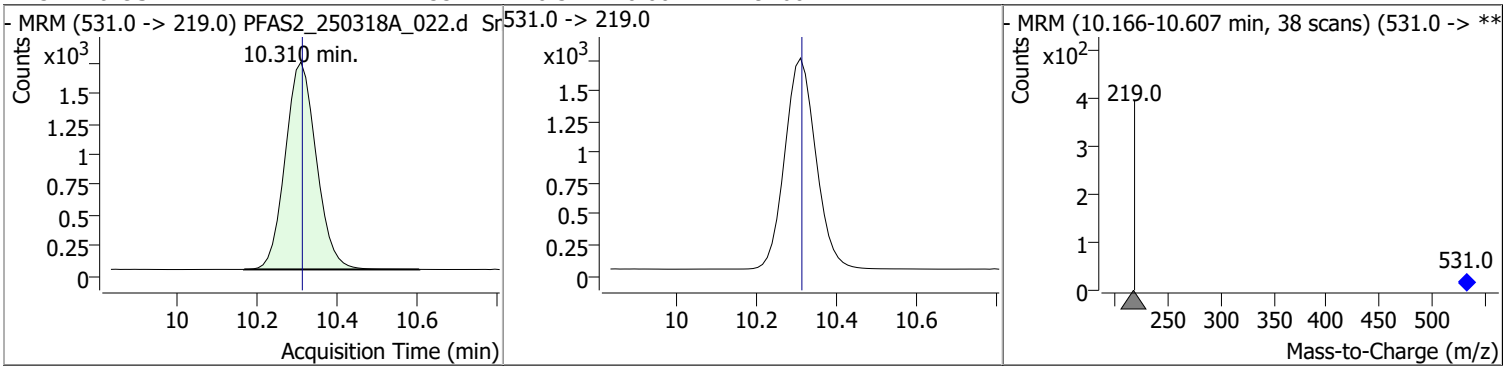
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.0026	10.19	0.00	51058				



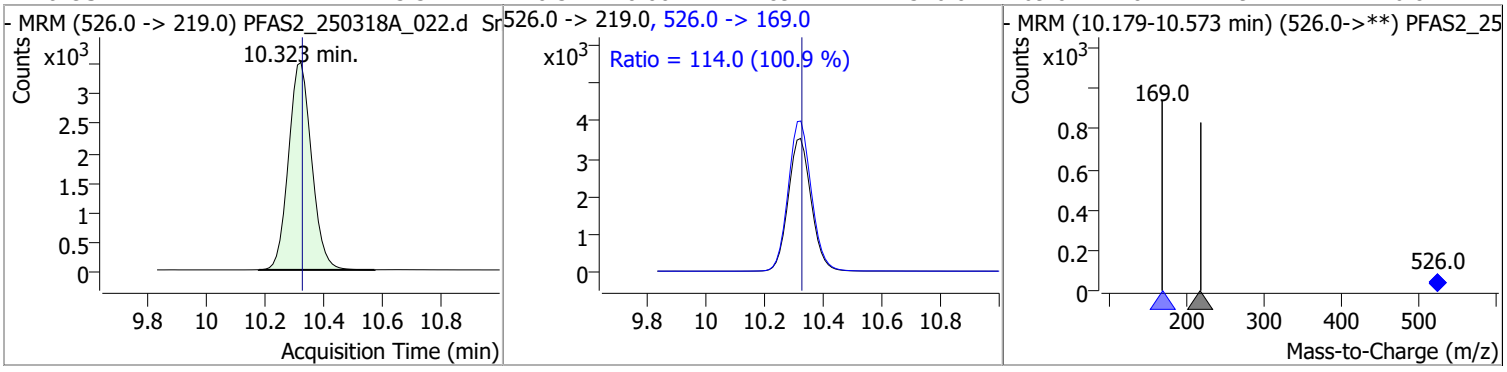
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	55.2670	10.21	0.00	100670				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2557	10.31	0.00	9260				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	5.3124	10.32	0.00	18974	526.0 -> 169.0	114.0	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-MS1	File ID:	PFAS2_250318A_023.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:49
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	80.0	0.47	3.12	6.25	
2706-90-3	PFPeA	44.8	0.14	1.56	3.12	
307-24-4	PFHxA	25.5	0.13	0.78	1.56	
375-85-9	PFHpA	20.2	0.16	0.78	1.56	
335-67-1	PFOA	24.4	0.12	0.78	1.56	
375-95-1	PFNA	19.0	0.09	0.78	1.56	
335-76-2	PFDA	19.6	0.13	0.78	1.56	
2058-94-8	PFUnA	18.7	0.19	0.78	1.56	
307-55-1	PFDoA	20.8	0.11	0.78	1.56	
72629-94-8	PFTrDA	20.9	0.07	0.78	1.56	
376-06-7	PFTeDA	22.3	0.12	0.78	1.56	
375-73-5	PFBS	28.1	0.19	0.69	1.39	
2706-91-4	PFPeS	20.4	0.20	0.74	1.47	
355-46-4	PFHxS	20.4	0.22	0.71	1.42	
375-92-8	PFHpS	19.5	0.40	0.74	1.48	
1763-23-1	PFOS	18.3	0.21	0.91	1.82	
68259-12-1	PFNS	19.9	0.20	0.75	1.50	
335-77-3	PFDS	19.9	0.14	0.75	1.50	
79780-39-5	PFDoS	17.1	0.08	0.76	1.51	
757124-72-4	4:2FTS	76.8	0.40	2.93	5.86	
27619-97-2	6:2FTS	72.5	2.70	2.97	5.93	
39108-34-4	8:2FTS	78.7	0.60	3.00	5.99	
754-91-6	PFOSA	19.3	0.10	0.78	1.56	
31506-32-8	NMeFOSA	18.2	0.25	0.78	1.56	
4151-50-2	NEtFOSA	18.9	0.30	0.78	1.56	
2355-31-9	NMeFOSAA	18.2	0.43	0.78	1.56	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-MS1	File ID:	PFAS2_250318A_023.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 21:49
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	18.7	0.28	0.78	1.56	
24448-09-7	NMeFOSE	229	0.99	7.81	15.6	
1691-99-2	NEtFOSE	201	1.23	7.81	15.6	
13252-13-6	HFPO-DA	41.0	0.40	1.56	3.12	
919005-14-4	ADONA	34.0	0.15	1.47	2.95	
756426-58-1	9CL-PF3ONS	36.8	0.18	1.46	2.92	
763051-92-9	11CL-PF3OUdS	39.8	0.30	1.47	2.95	
356-02-5	3:3FTCA	69.2	0.64	3.12	6.25	
914637-49-3	5:3FTCA	356	3.57	15.6	31.2	
812-70-4	7:3FTCA	374	2.99	15.6	31.2	
113507-82-7	PFEESA	36.2	0.17	1.39	2.78	
377-73-1	PFMPA	36.5	0.11	1.56	3.12	
863090-89-5	PFMBA	37.4	0.12	1.56	3.12	
151772-58-6	NFDHA	45.1	0.44	1.56	3.12	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_023.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 9:49:00 PM
Sample Name	B25C0783-MS1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

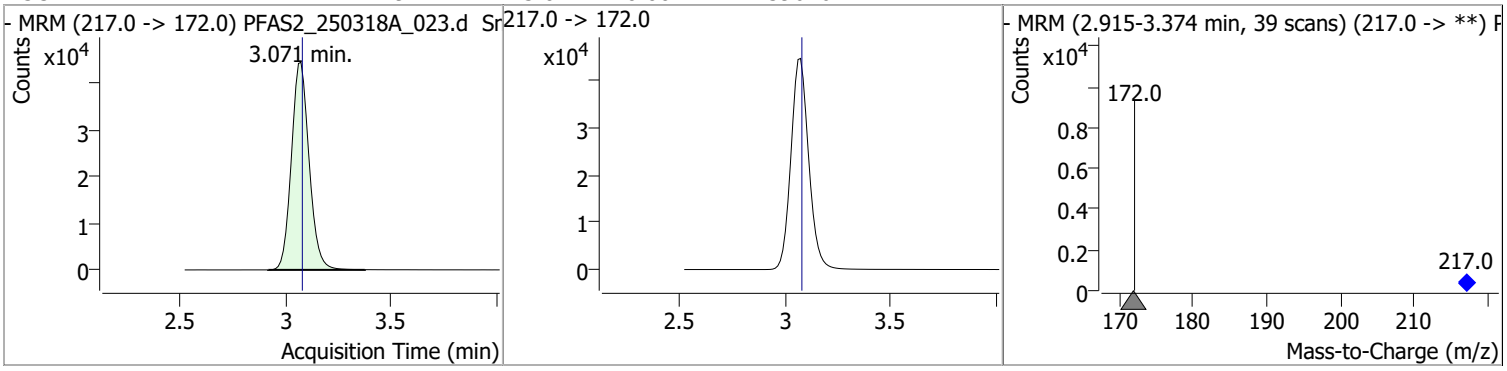
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	117573	5.0000	µg/L		-14.081
13C2-PFHxA	4.890	315.0 -> 270.0	136434	2.5000	µg/L		-11.074
18O2-PFHxS	5.955	403.0 -> 84.0	25223	2.5000	µg/L		-14.873
13C4-PFOA	5.823	417.0 -> 172.0	13812	2.5000	µg/L		-10.587
13C5-PFNA	6.226	468.0 -> 423.0	68298	1.2500	µg/L		-4.039
13C2-PFDA	6.603	515.0 -> 470.0	61974	1.2500	µg/L		-7.330
13C4-PFOS	6.771	503.0 -> 80.0	21334	2.5000	µg/L		-14.353
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	259626	10.0000	µg/L		-16.474
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.17%			
13C5-PFPeA	4.222	268.0 -> 223.0	176745	5.0000	µg/L		-14.582
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.06%			
13C5-PFPeA	4.222	268.0 -> 223.0	176745	5.0000	µg/L		-14.582
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.06%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26153	5.0000	µg/L		3.518
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.10%			
13C5-PFHxA	4.889	318.0 -> 273.0	137207	2.5000	µg/L		-18.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.36%			
13C5-PFHxA	4.889	318.0 -> 273.0	137207	2.5000	µg/L		-18.737
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.36%			
13C3-PFBS	4.929	302.0 -> 80.0	48663	2.5000	µg/L		-19.862
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.24%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	147155	10.0000	µg/L		-15.801
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 94.68%			
13C4-PFHpA	5.397	367.0 -> 322.0	173869	2.5000	µg/L		-7.951
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.54%			
13C3-PFHxS	5.956	402.0 -> 80.0	27349	2.5000	µg/L		-21.745
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.95%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14527	5.0000	µg/L	#	-1.636
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.68%			
13C8-PFOA	5.823	421.0 -> 376.0	147982	2.5000	µg/L		-14.333
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.83%			
13C3-PFHxS	5.956	402.0 -> 80.0	27349	2.5000	µg/L		-21.745
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.95%			
13C9-PFNA	6.225	472.0 -> 427.0	63704	1.2500	µg/L		-9.594
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.17%			
13C8-PFOS	6.771	507.0 -> 80.0	21028	2.5000	µg/L		-16.833
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.14%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	9895	5.0000	µg/L	#	-16.465
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%			
13C6-PFDA	6.603	519.0 -> 474.0	62494	1.2500	µg/L		-8.043
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.14%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	47369	5.0000	µg/L		-15.138
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.97%			
13C8-PFOS	6.771	507.0 -> 80.0	21028	2.5000	µg/L		-16.833

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.14%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	35988	5.0000	µg/L		-14.660
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.59%			
13C7-PFUnDA	6.990	570.0 -> 525.0	47108	1.2500	µg/L		-12.117
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.82%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	33274	1.2500	µg/L		-24.575
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.26%			
13C2-PFDoDA	7.355	615.0 -> 570.0	34527	1.2500	µg/L		-13.565
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.28%			
13C2-PFTDA	8.080	715.0 -> 670.0	32021	1.2500	µg/L		-33.684
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 71.34%			
13C8-PFOSA	8.780	506.0 -> 78.0	31364	2.5000	µg/L		-15.144
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.88%			
2H7-MeFOSE	9.853	623.1 -> 59.0	63399	25.0000	µg/L		-49.541
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 58.96%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8289	2.5000	µg/L		-20.062
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.11%			
2H9-EtFOSE	10.185	639.1 -> 59.0	52537	25.0000	µg/L		-17.277
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 96.55%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8544	2.5000	µg/L		-23.991
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.76%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	185020	8.1978	µg/L		100
PFMPA	3.614	229.0 -> 85.0	62911	3.7394	µg/L		100
3-3 FTCA	3.766	241.0 -> 177.0	4191	7.0862	µg/L		97
PFPeA	4.223	263.0 -> 219.0	149471	4.5880	µg/L		100
PFMBA	4.453	279.0 -> 85.0	94488	3.8357	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	125055	7.8675	µg/L		100
NFDHA	4.823	295.0 -> 201.0	4667	4.6250	µg/L		97
PFHxA	4.892	313.0 -> 269.0	128152	2.6102	µg/L		99
PFBS	4.930	298.9 -> 80.0	58042	2.8745	µg/L		93
HFPO-DA	5.087	285.0 -> 169.0	54819	4.1988	µg/L		92
PFEESA	5.201	314.9 -> 135.0	255407	3.7097	µg/L		98
PFHpA	5.398	363.0 -> 319.0	137863	2.0695	µg/L		97
5-3 FTCA	5.447	341.0 -> 237.0	138571	36.5181	µg/L		95
PFPeS	5.494	348.9 -> 80.0	30904	2.0928	µg/L		98
DONA	5.551	377.0 -> 251.0	297206	3.4809	µg/L		99
6-2 FTSA	5.642	427.0 -> 407.0	74947	7.4247	µg/L		92
PFOA	5.824	413.0 -> 369.0	144528	2.4982	µg/L		95
PFHxS	5.957	398.9 -> 80.0	22273	2.0938	µg/L		90
PFNA	6.226	463.0 -> 419.0	96601	1.9490	µg/L		98
PFHpS	6.382	448.9 -> 80.0	17489	1.9996	µg/L		95
8-2 FTSA	6.424	527.0 -> 507.0	35879	8.0680	µg/L	#	72
7-3 FTCA	6.597	441.0 -> 317.0	110091	38.2883	µg/L		95
PFDA	6.604	513.0 -> 469.0	91935	2.0042	µg/L		92
N-MeFOSAA	6.742	570.0 -> 419.0	15578	1.8658	µg/L		100
PFOS	6.772	498.9 -> 80.0	15641	1.8769	µg/L		96
N-EtFOSAA	6.953	584.0 -> 419.0	12982	1.9173	µg/L		99
PFUnDA	6.991	563.0 -> 519.0	66935	1.9208	µg/L		92
9Cl-PF3ONS	7.053	530.9 -> 350.9	172094	3.7683	µg/L		96
PFNS	7.159	548.9 -> 80.0	14646	2.0418	µg/L		94
PFDoDA	7.356	613.0 -> 569.0	53846	2.1274	µg/L		96
PFDS	7.525	598.9 -> 80.0	10921	2.0377	µg/L		88
PFTrDA	7.724	663.0 -> 619.0	53594	2.1377	µg/L		93

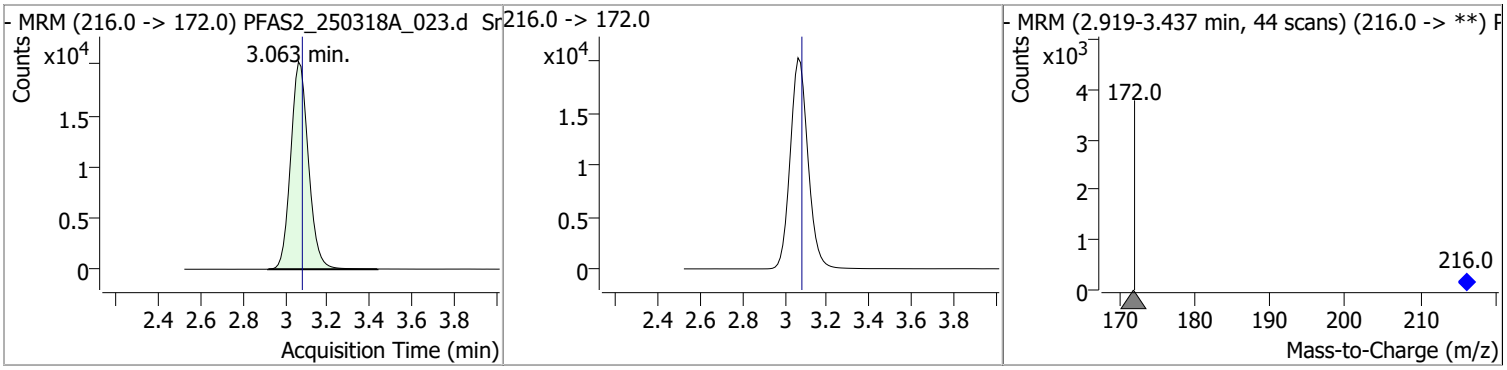
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	79464	4.0769	µg/L	98
PFTDA	8.081	712.9 -> 669.0	44772	2.2896	µg/L	97
PFDoS	8.228	698.9 -> 80.0	6576	1.7547	µg/L	96
PFOSA	8.771	497.9 -> 78.0	21502	1.9726	µg/L	98
MeFOSE	9.878	616.0 -> 59.0	44711	23.4144	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	5816	1.8654	µg/L	91
EtFOSE	10.222	630.0 -> 59.0	38661	20.5461	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	6398	1.9416	µg/L	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

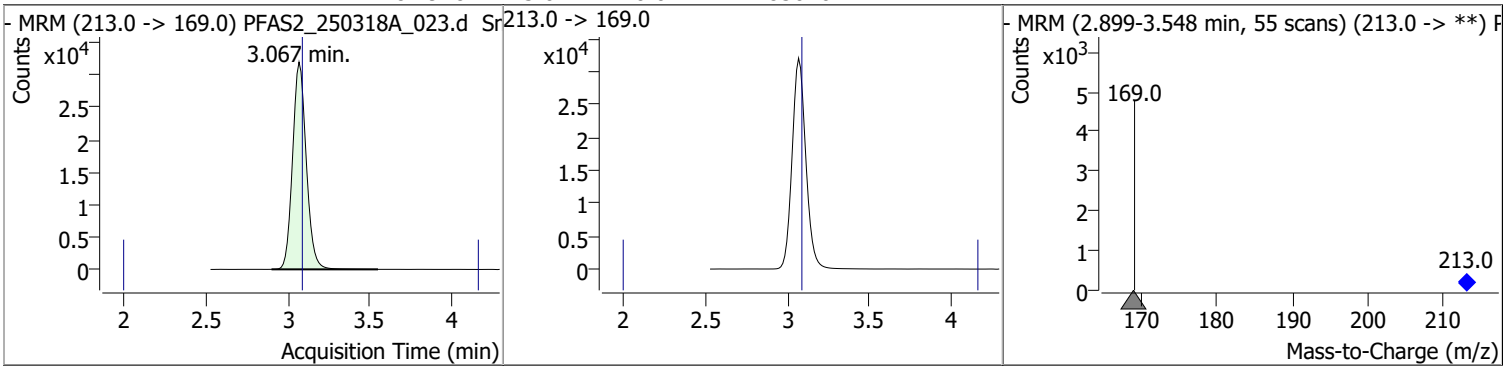
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.7172	3.07	0.00	259626				



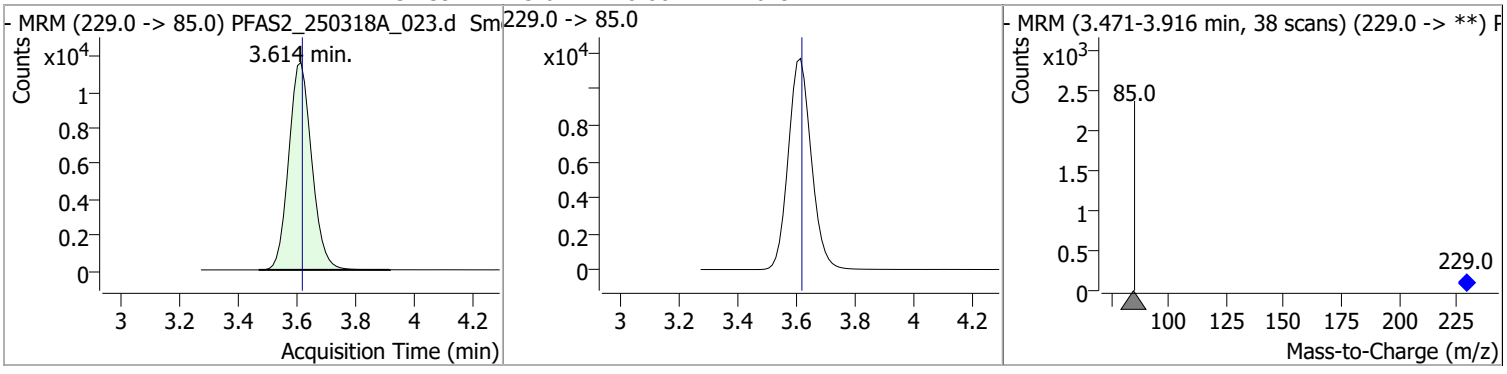
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	117573				



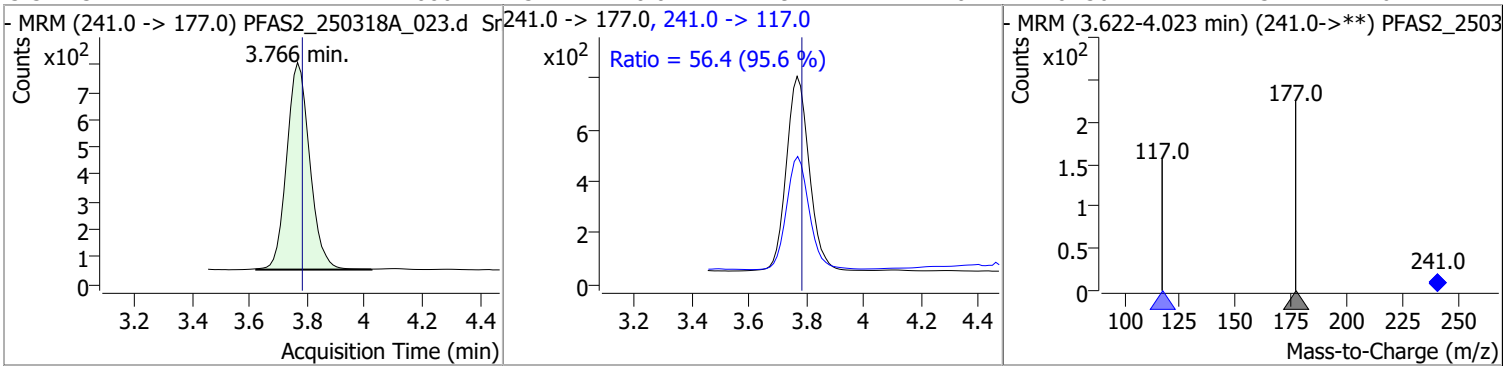
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	8.1978	3.07	-0.01	185020				



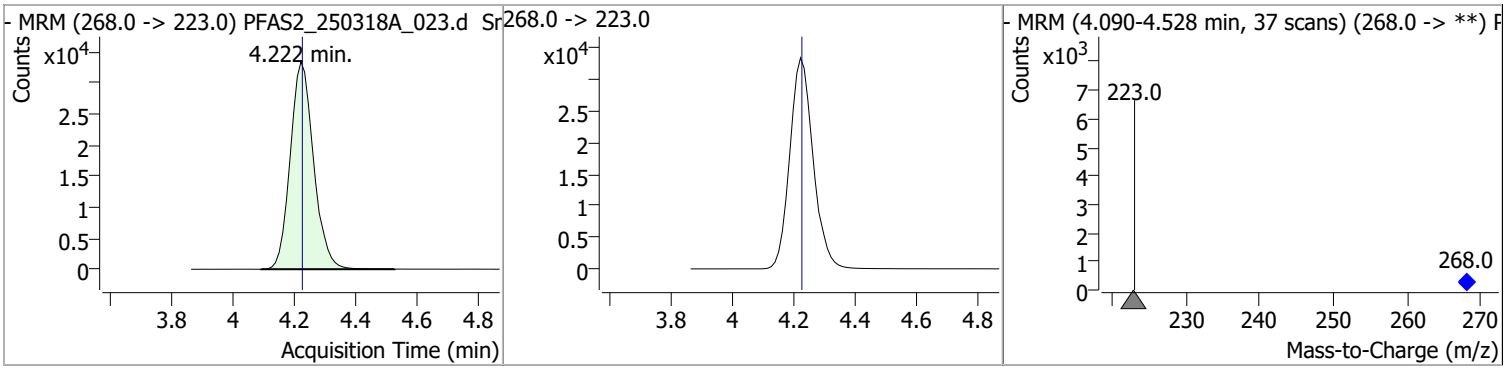
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	3.7394	3.61	0.00	62911				



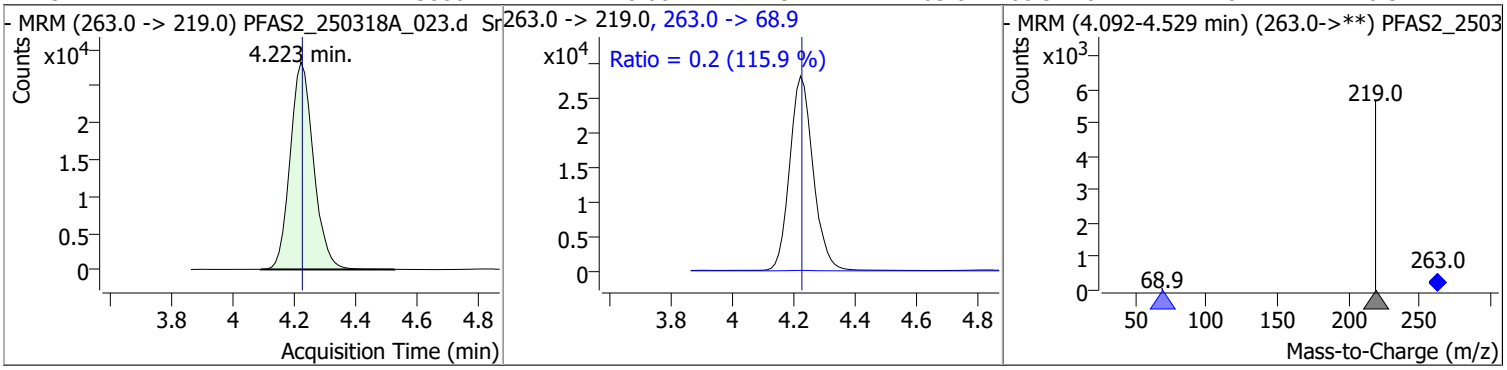
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	7.0862	3.77	-0.01	4191	241.0 -> 117.0	56.4	41.3	76.7



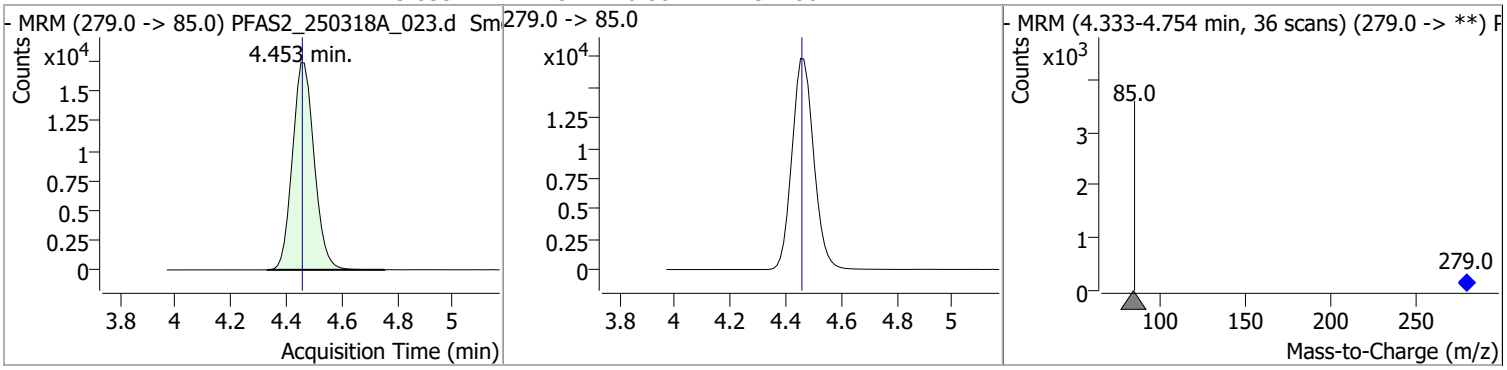
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8030	4.22	0.00	176745				



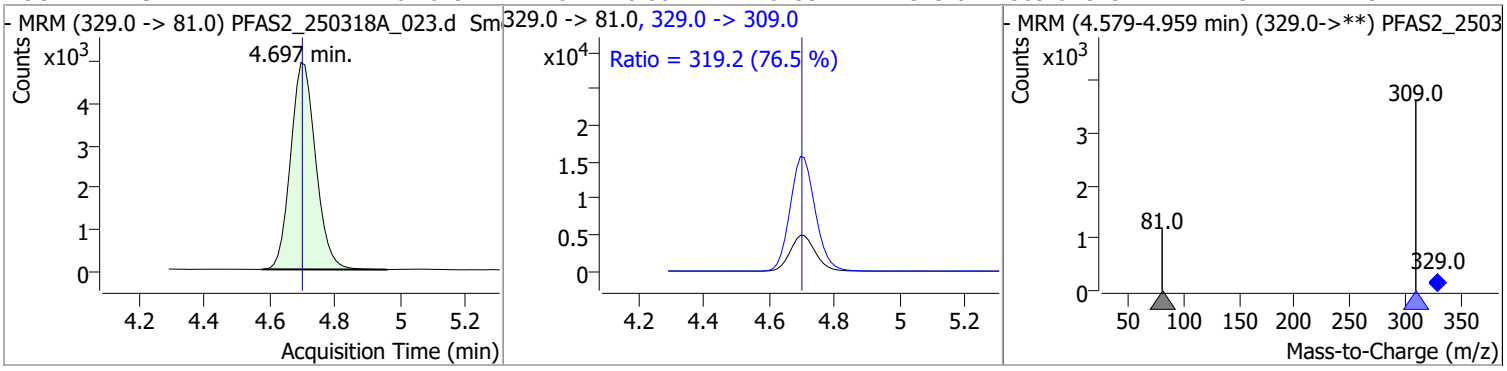
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	4.5880	4.22	0.00	149471	263.0 -> 68.9	0.2	0.1	0.3



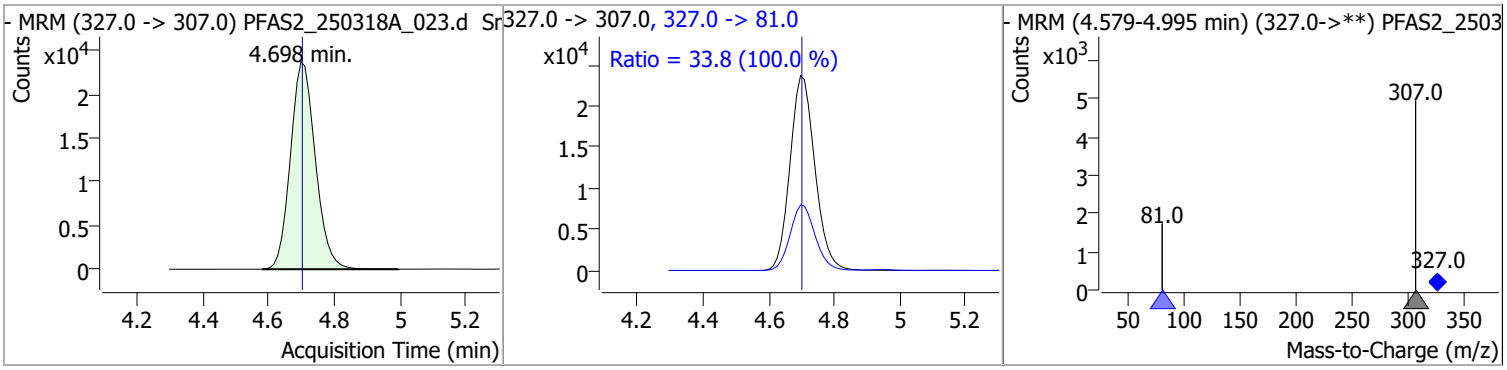
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	3.8357	4.45	0.00	94488				



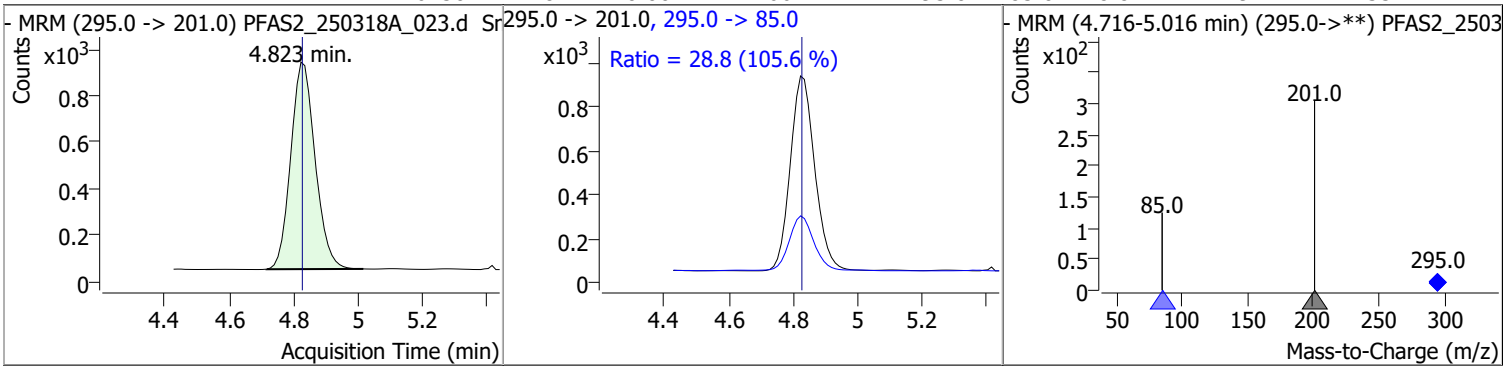
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1049	4.70	0.00	26153	329.0 -> 309.0	319.2	292.1	542.4



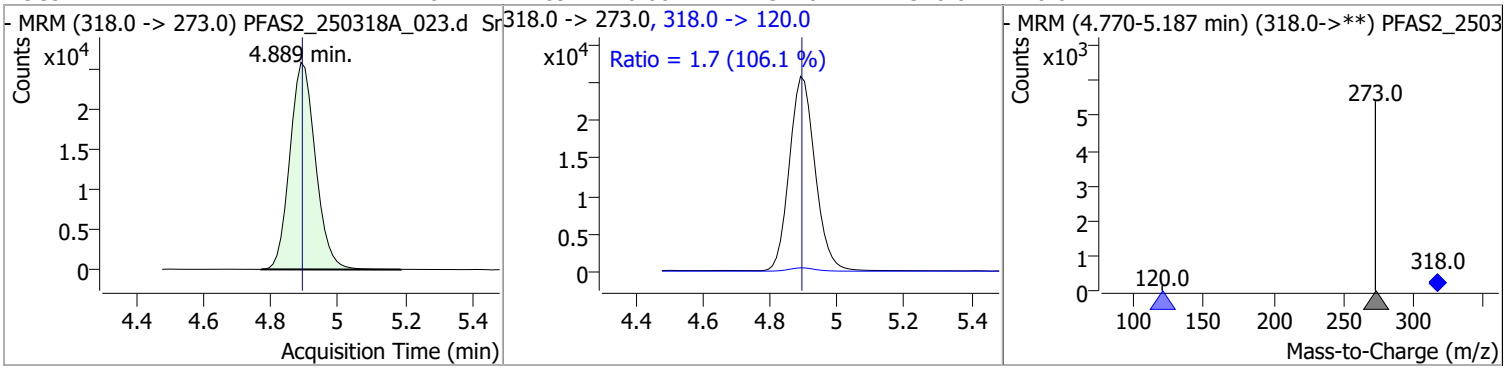
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	7.8675	4.70	0.00	125055	327.0 -> 81.0	33.8	23.6	43.9



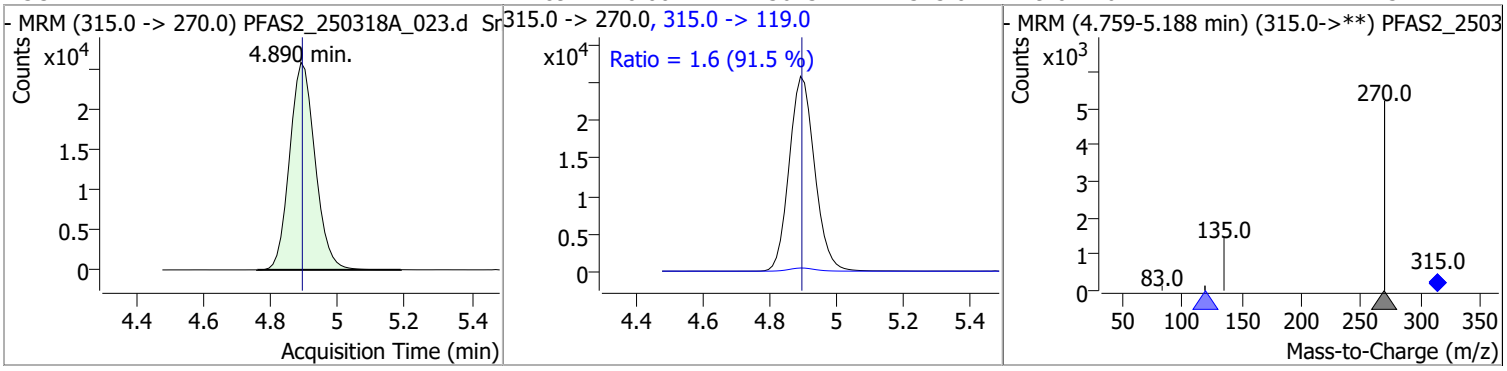
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	4.6250	4.82	0.00	4667	295.0 -> 85.0	28.8	19.1	35.4



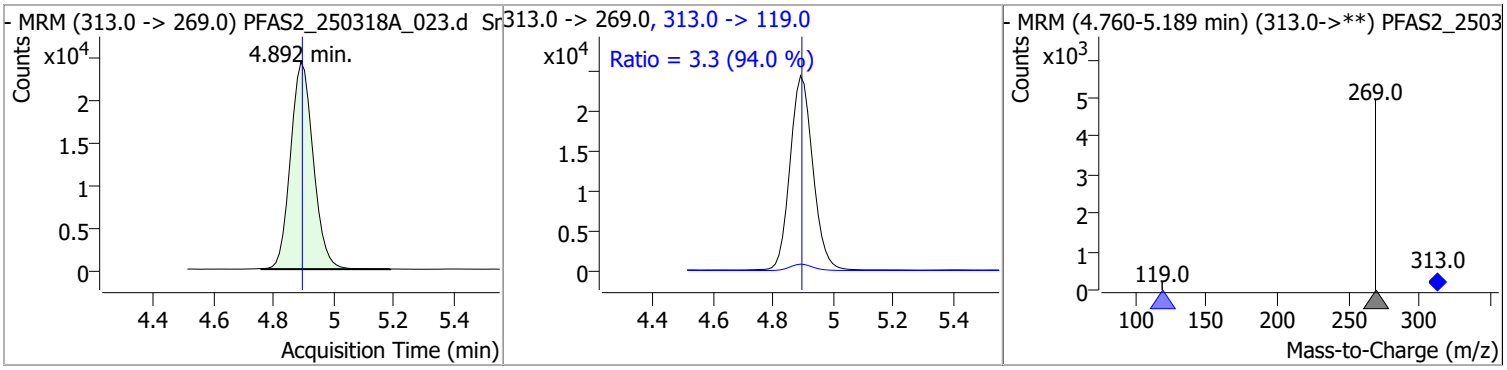
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2841	4.89	0.00	137207	318.0 -> 120.0	1.7	1.1	2.1



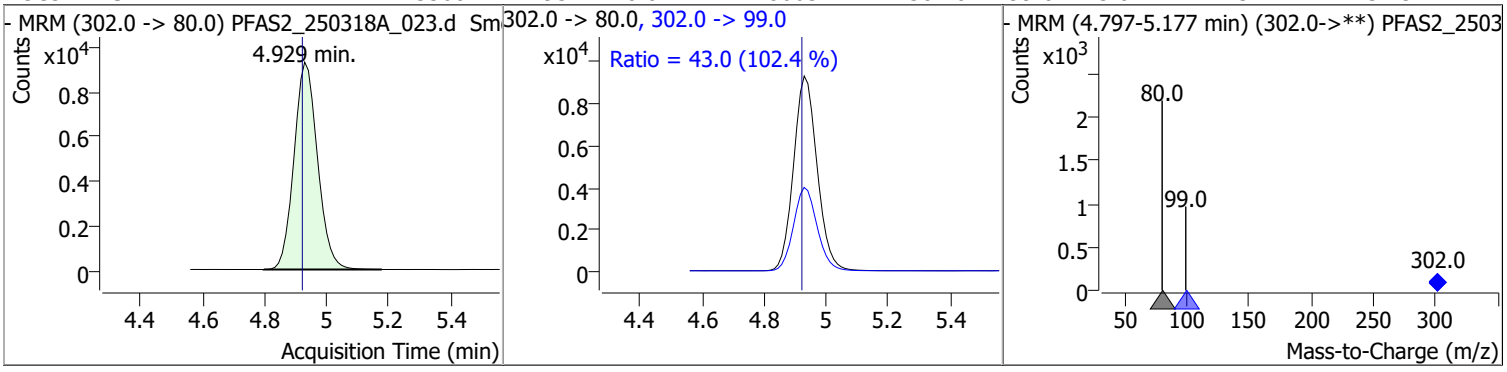
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	136434	315.0 -> 119.0	1.6	1.2	2.3



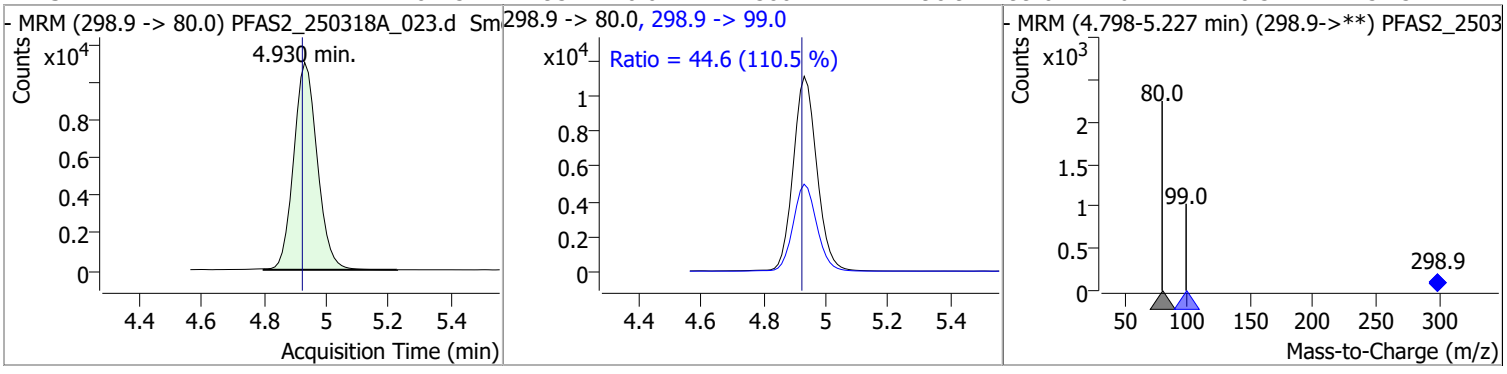
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	2.6102	4.89	0.00	128152	313.0 -> 119.0	3.3	2.4	4.5



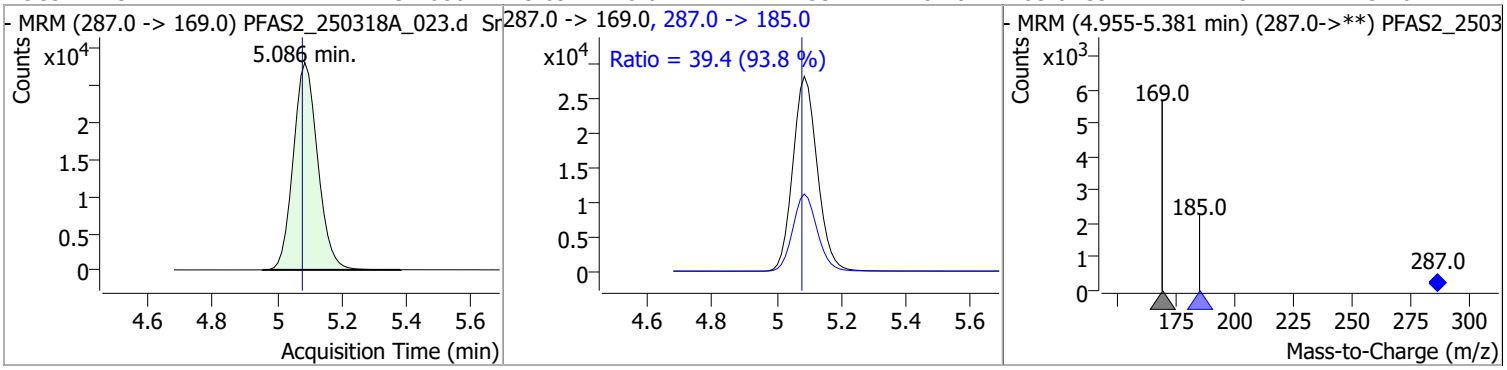
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3560	4.93	0.01	48663	302.0 -> 99.0	43.0	29.4	54.5



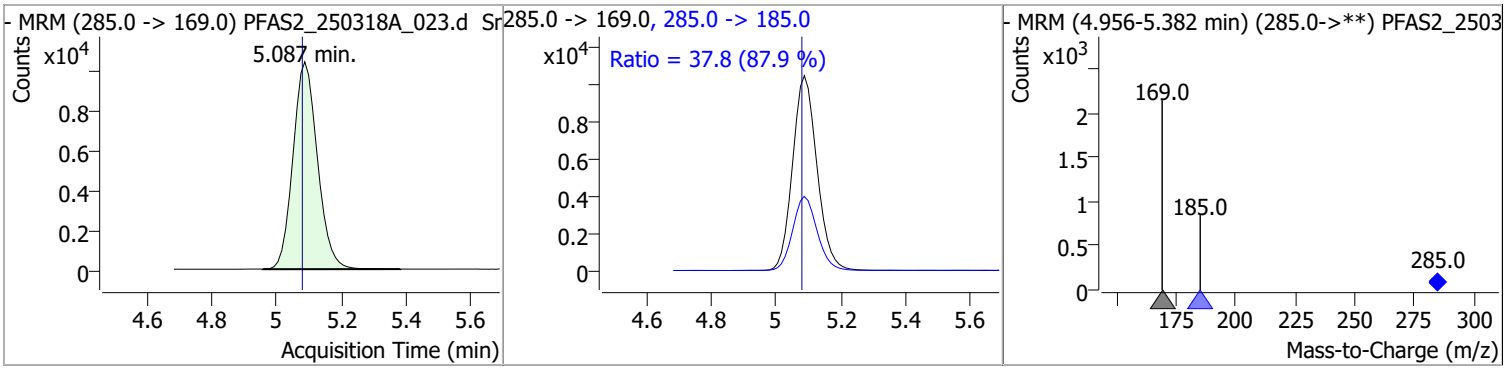
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	2.8745	4.93	0.01	58042	298.9 -> 99.0	44.6	28.3	52.5



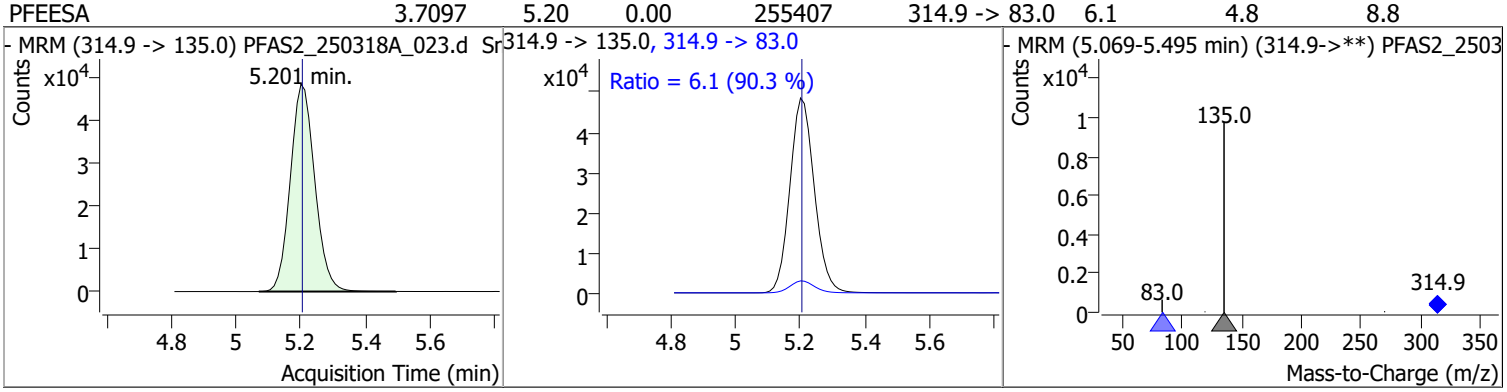
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.4680	5.09	0.01	147155	287.0 -> 185.0	39.4	29.4	54.6



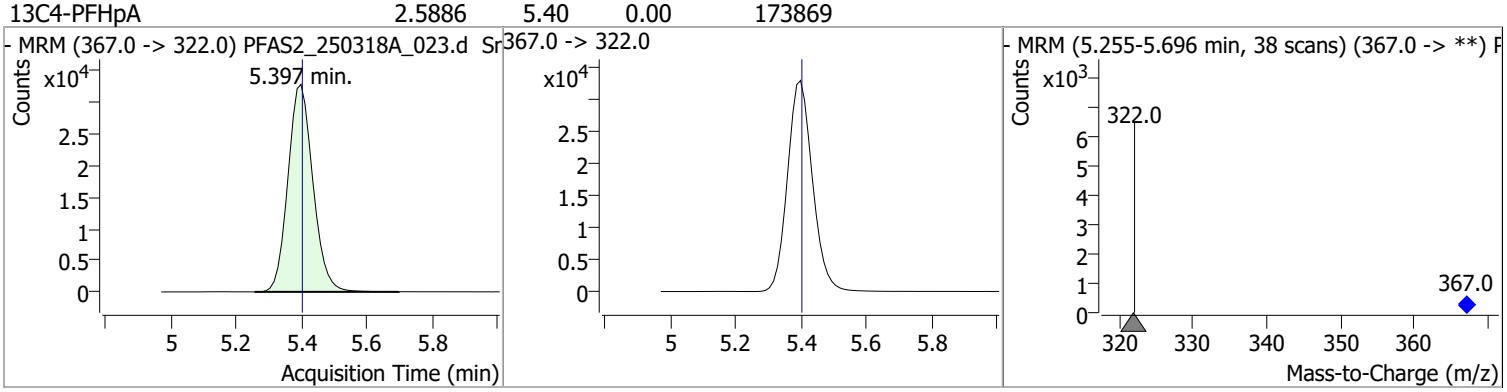
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	4.1988	5.09	0.01	54819	285.0 -> 185.0	37.8	30.1	56.0



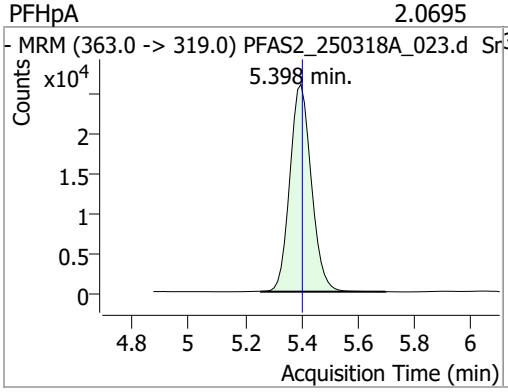
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	3.7097	5.20	0.00	255407	314.9 -> 83.0	6.1	4.8	8.8

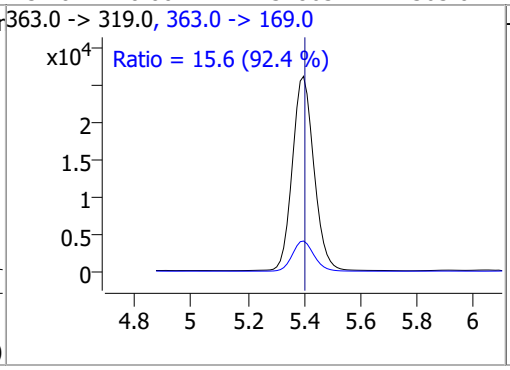


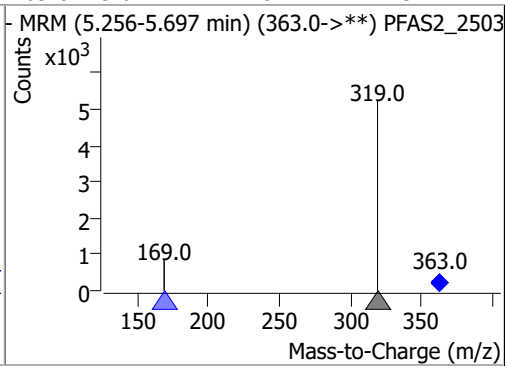
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5886	5.40	0.00	173869				



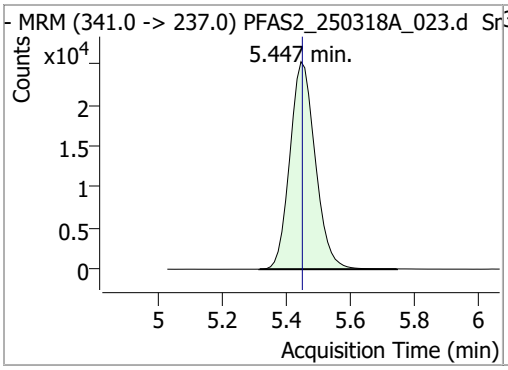
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	2.0695	5.40	0.00	137863	363.0 -> 169.0	15.6	11.8	21.9

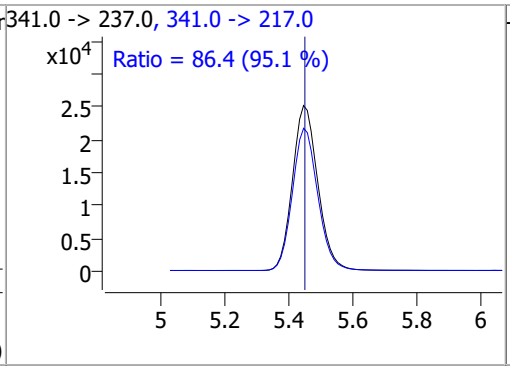


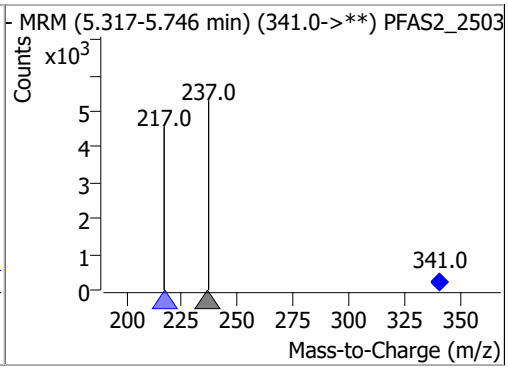




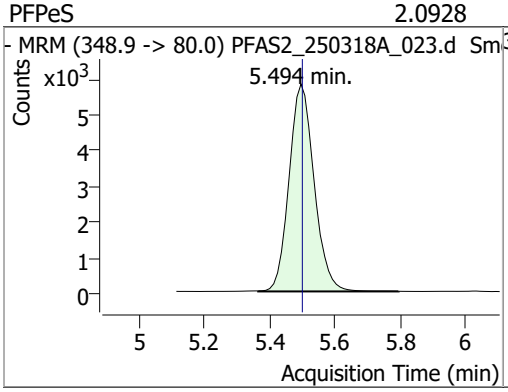
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	36.5181	5.45	0.00	138571	341.0 -> 217.0	86.4	63.6	118.1

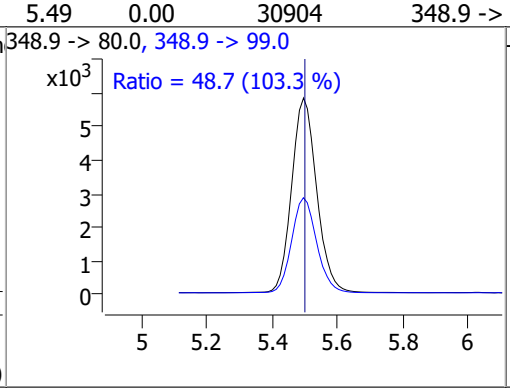


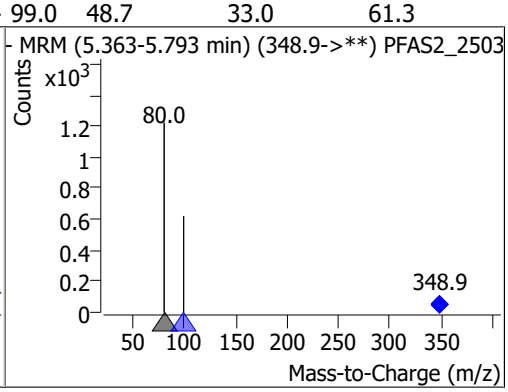




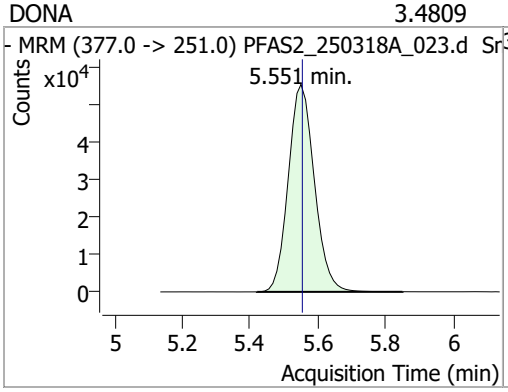
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	2.0928	5.49	0.00	30904	348.9 -> 99.0	48.7	33.0	61.3

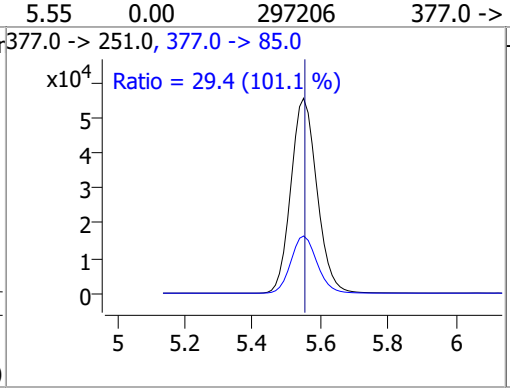


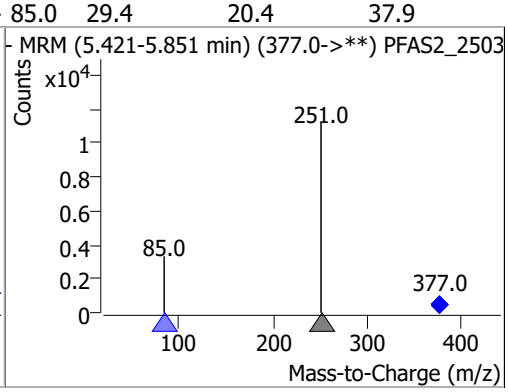




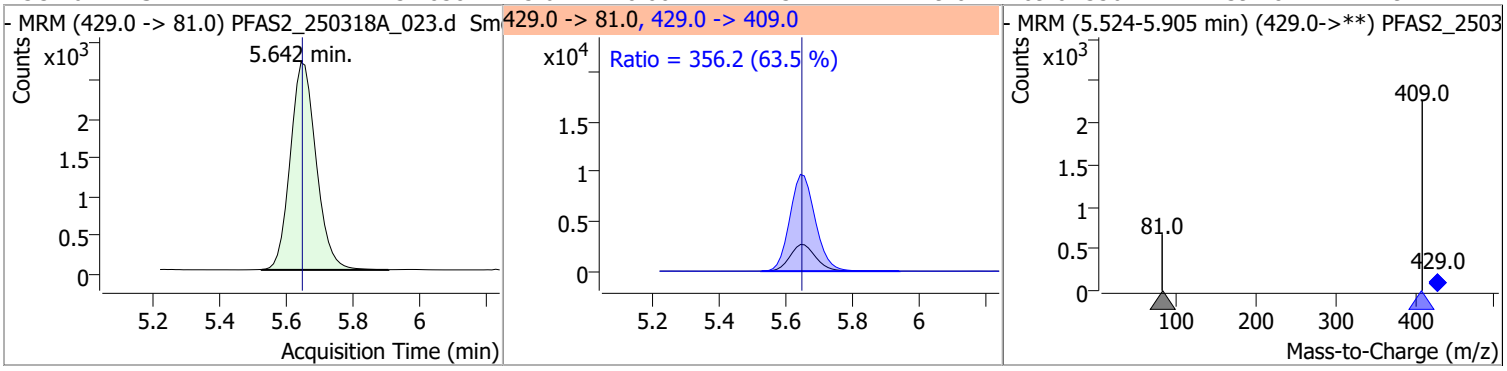
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	3.4809	5.55	0.00	297206	377.0 -> 85.0	29.4	20.4	37.9



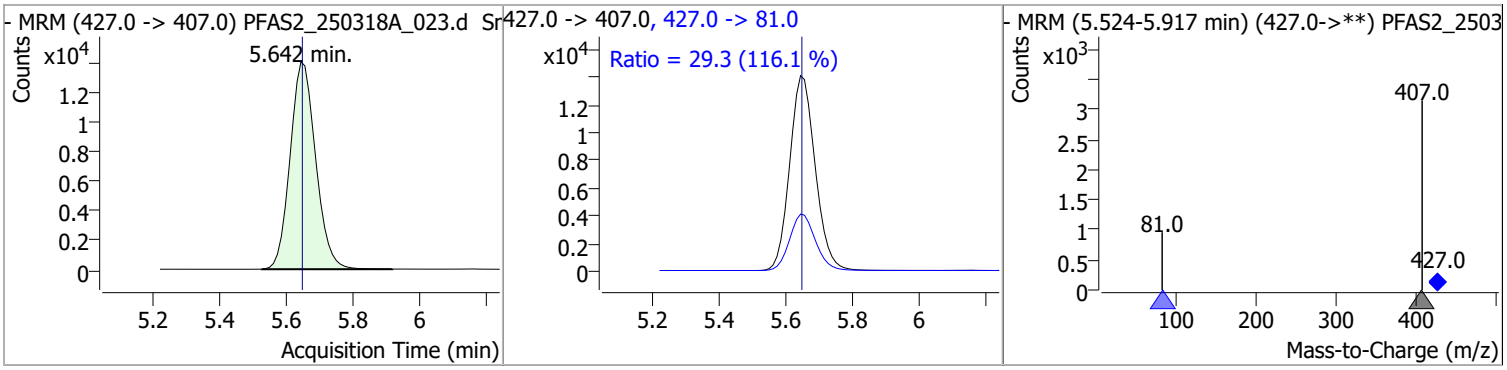




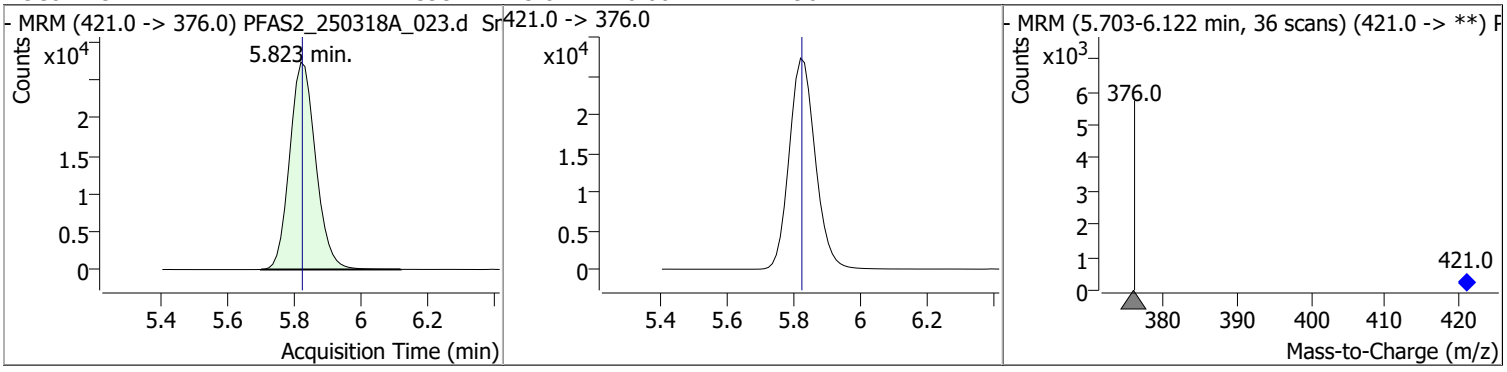
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.7838	5.64	0.00	14527	429.0 -> 409.0	356.2	392.8	729.4



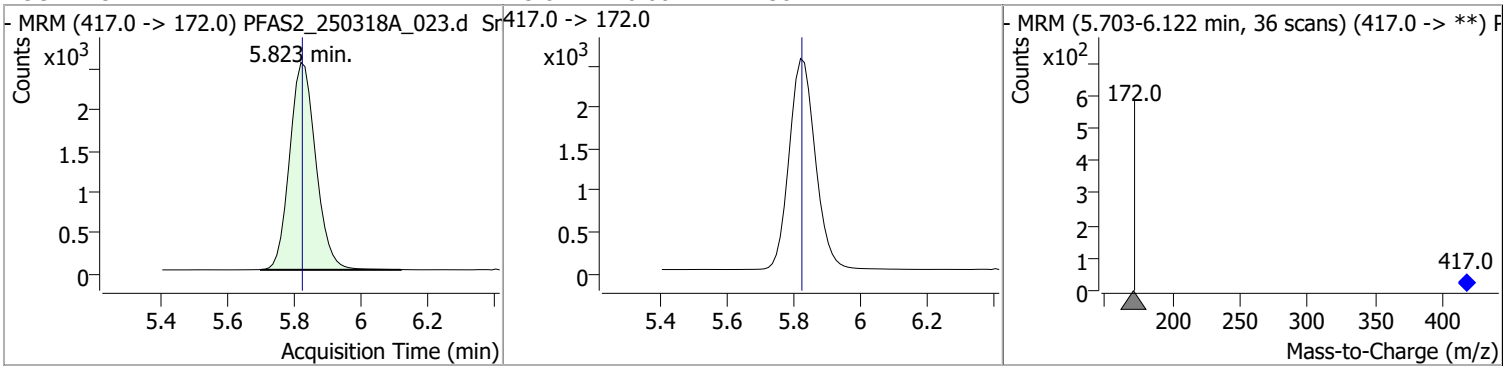
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	7.4247	5.64	0.00	74947	427.0 -> 81.0	29.3	17.7	32.8



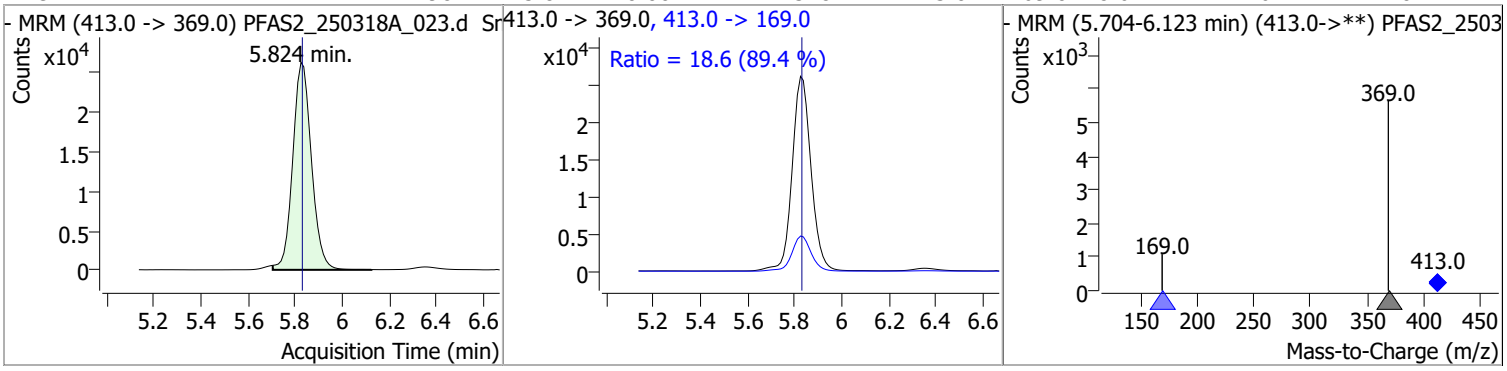
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3957	5.82	0.00	147982				



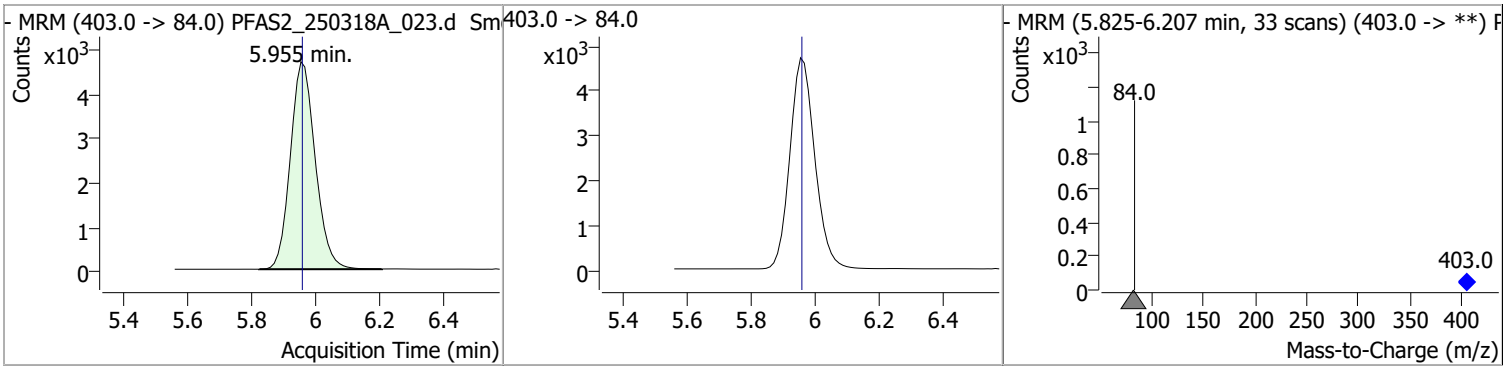
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13812				



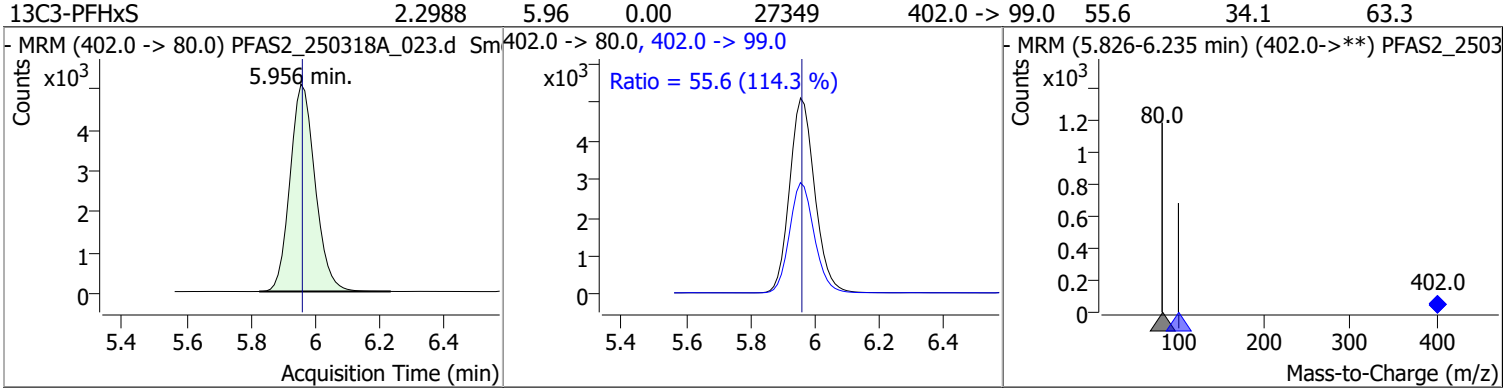
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	2.4982	5.82	0.00	144528	413.0 -> 169.0	18.6	14.6	27.0



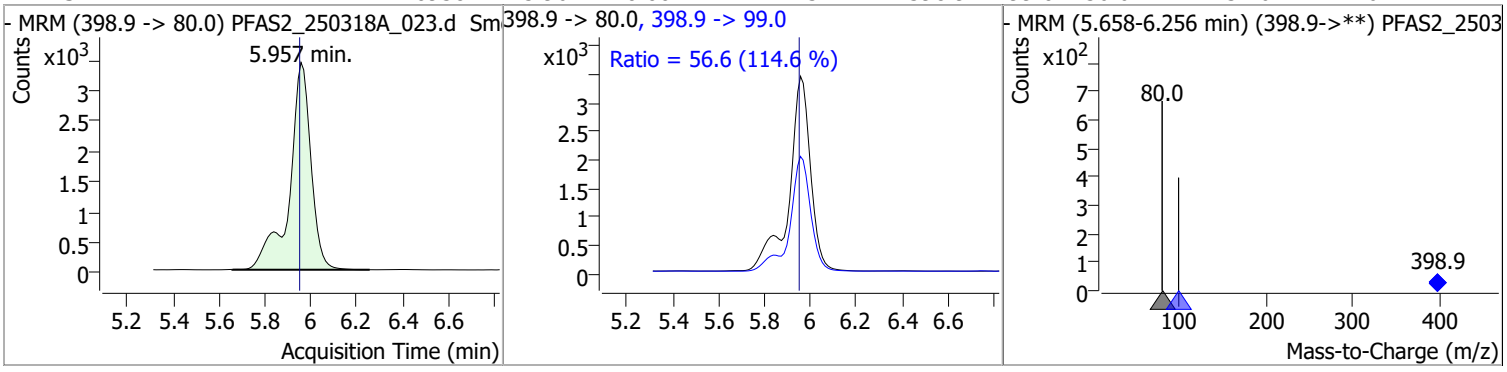
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25223				



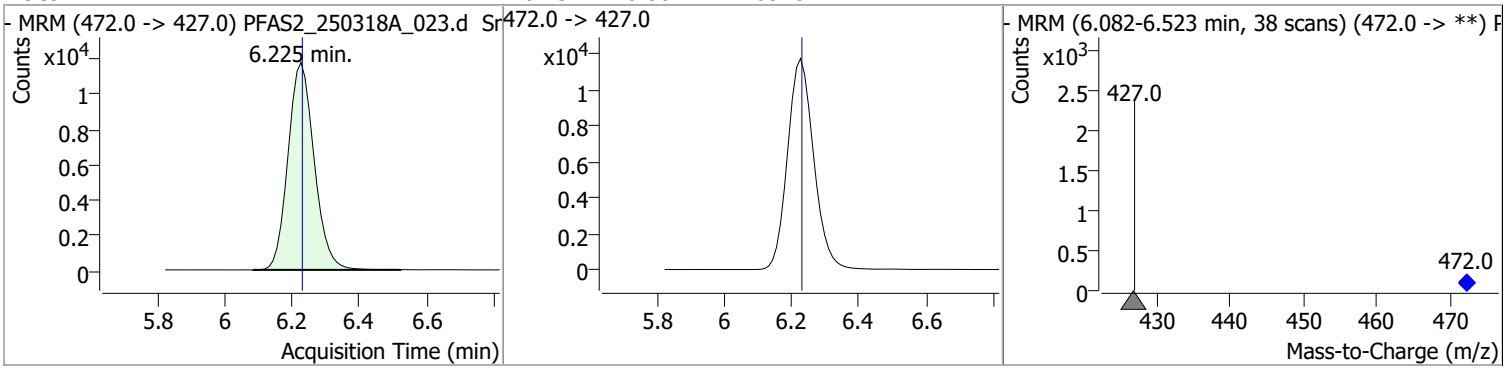
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2988	5.96	0.00	27349	402.0 -> 99.0	55.6	34.1	63.3



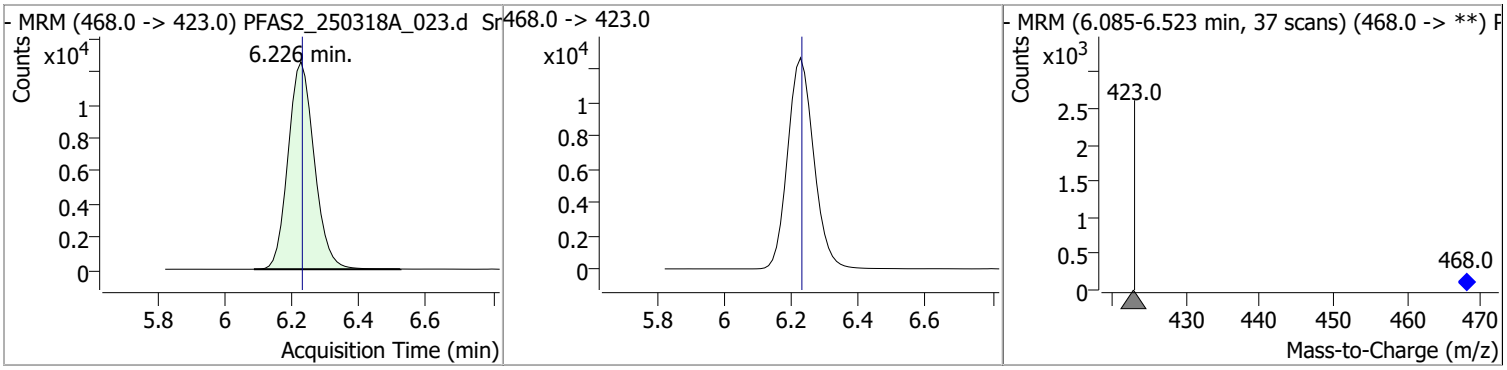
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	2.0938	5.96	0.00	22273	398.9 -> 99.0	56.6	34.6	64.2



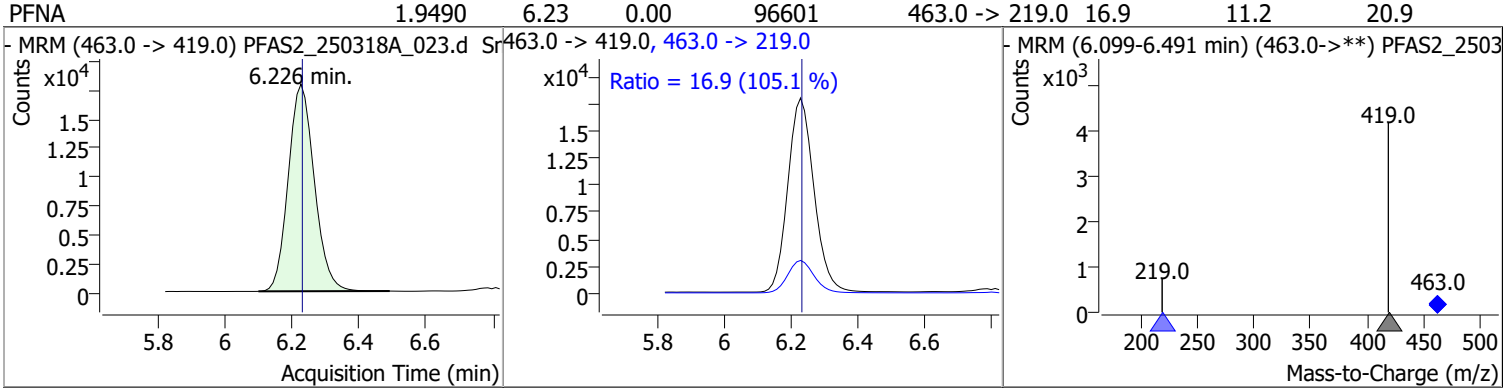
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1771	6.23	0.00	63704				



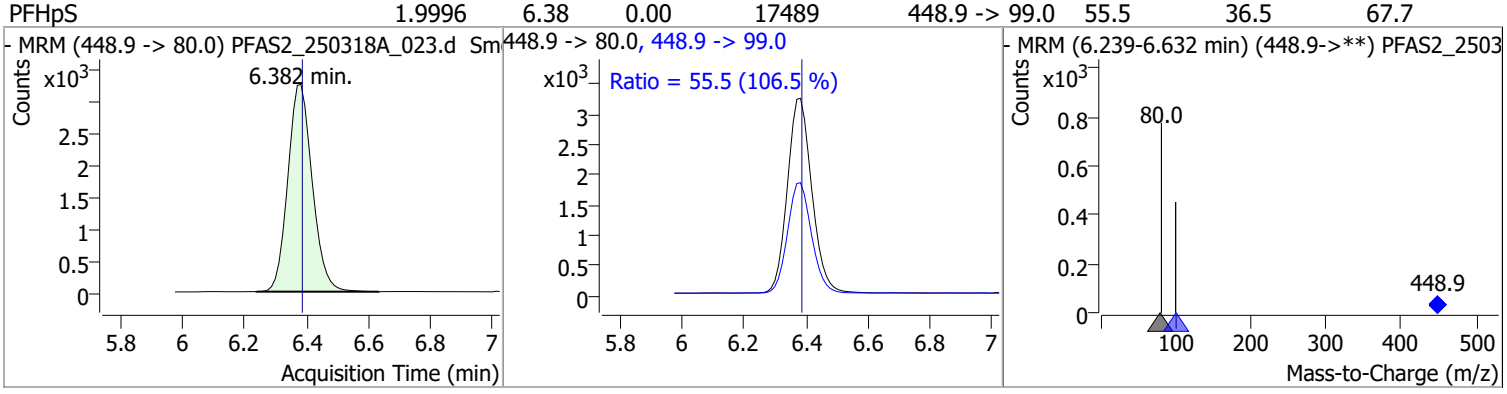
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68298				



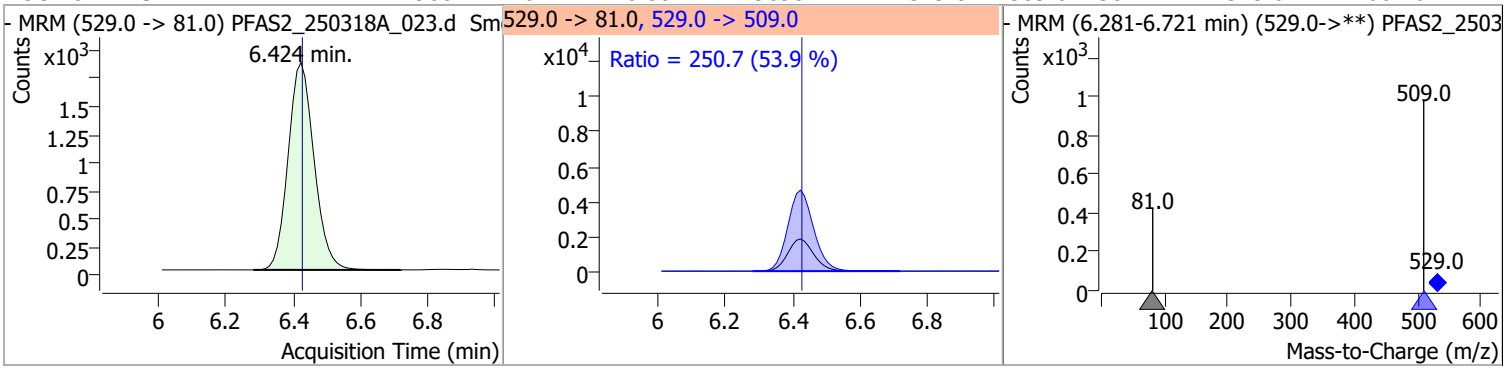
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	1.9490	6.23	0.00	96601	463.0 -> 219.0	16.9	11.2	20.9



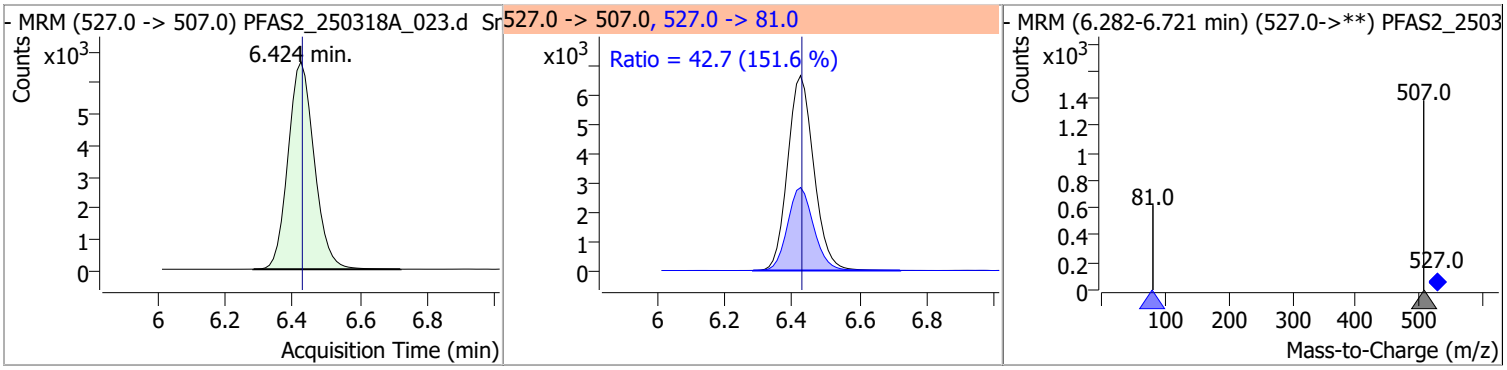
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	1.9996	6.38	0.00	17489	448.9 -> 99.0	55.5	36.5	67.7



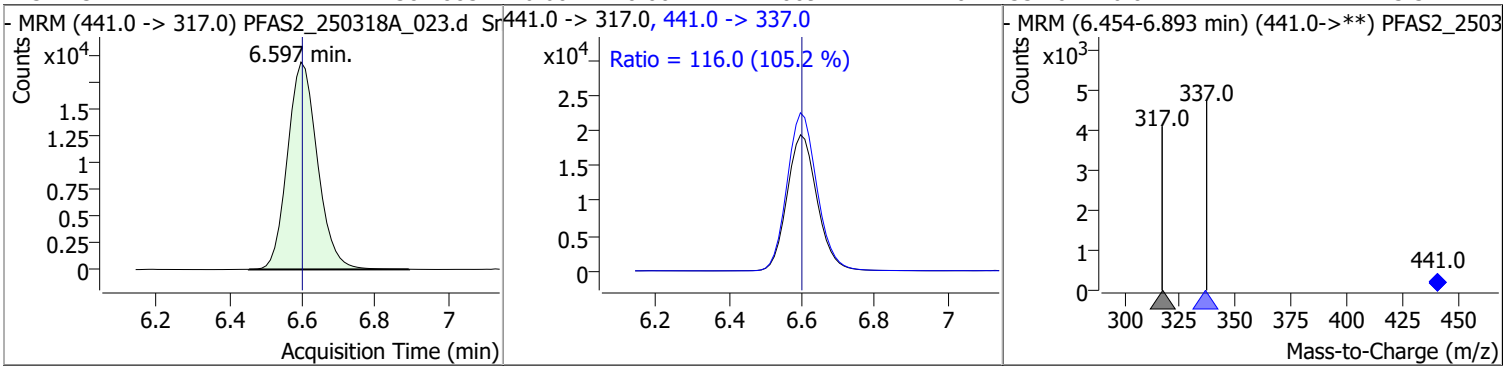
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9001	6.42	0.00	9895	529.0 -> 509.0	250.7	325.6	604.6



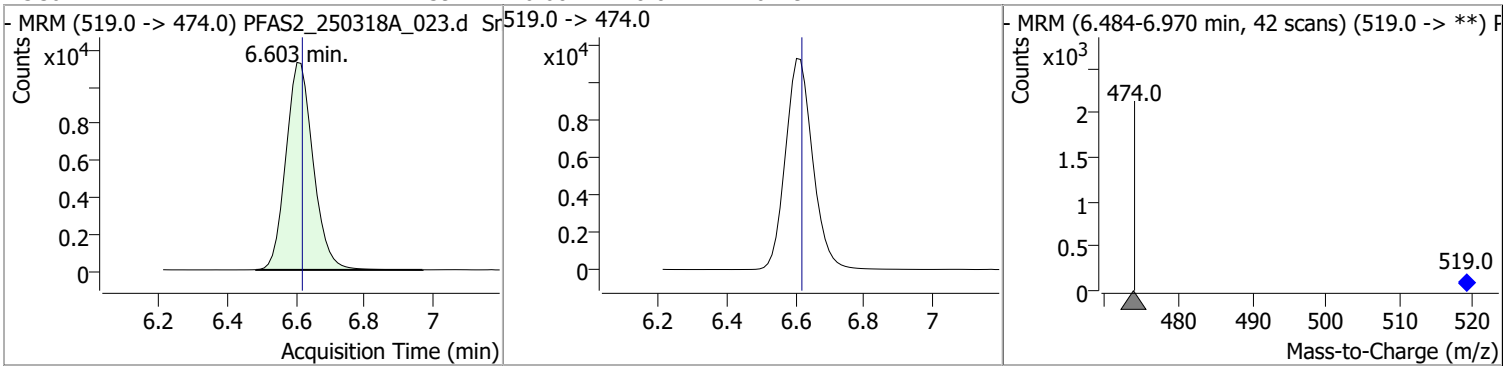
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	8.0680	6.42	0.00	35879	527.0 -> 81.0	42.7	19.7	36.6



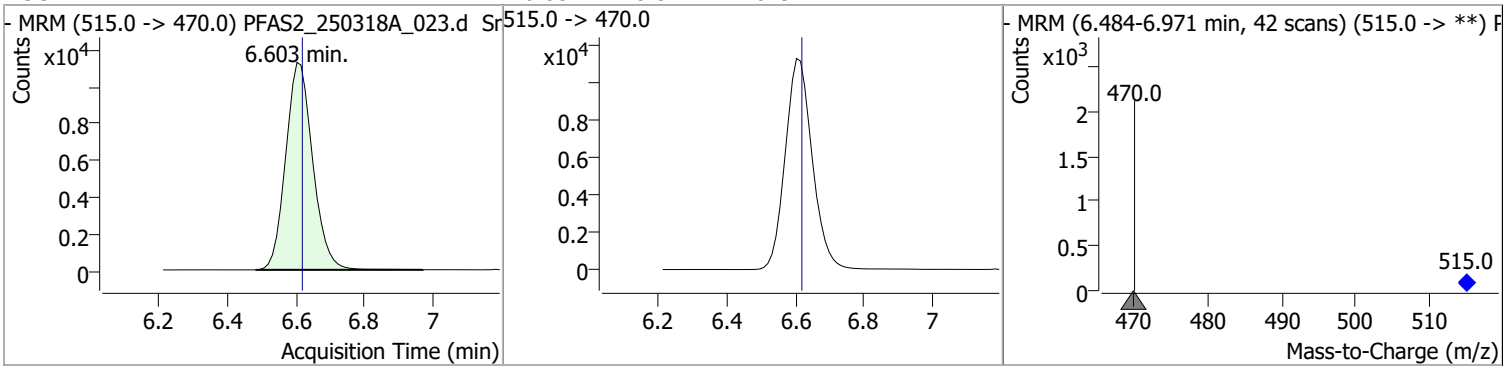
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	38.2883	6.60	0.00	110091	441.0 -> 337.0	116.0	77.1	143.3



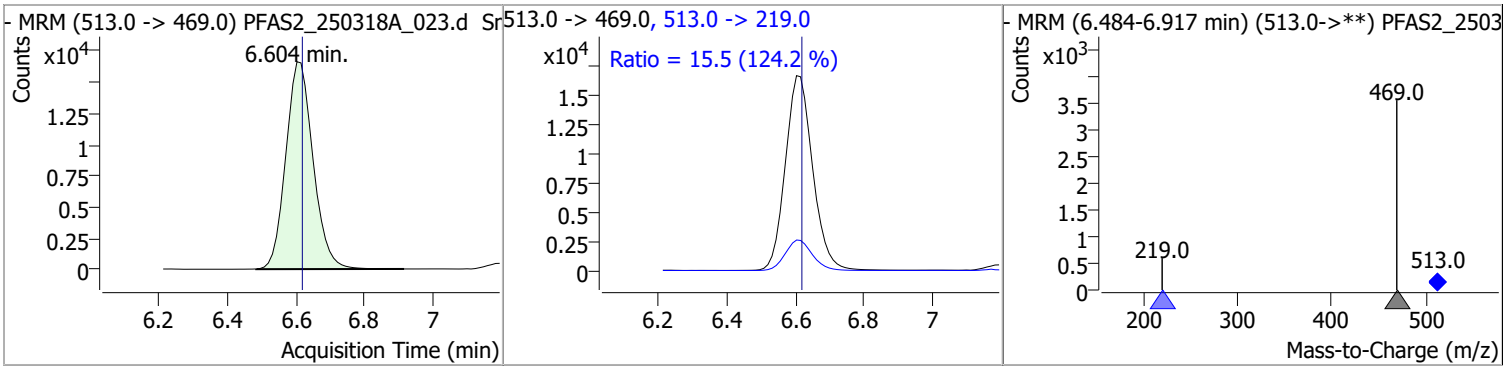
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2392	6.60	-0.01	62494				



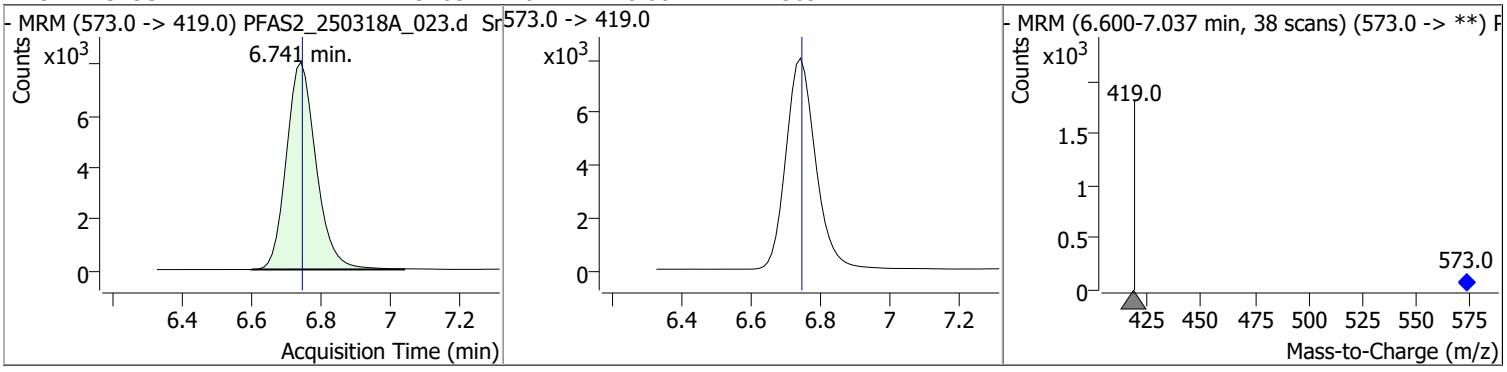
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	61974				



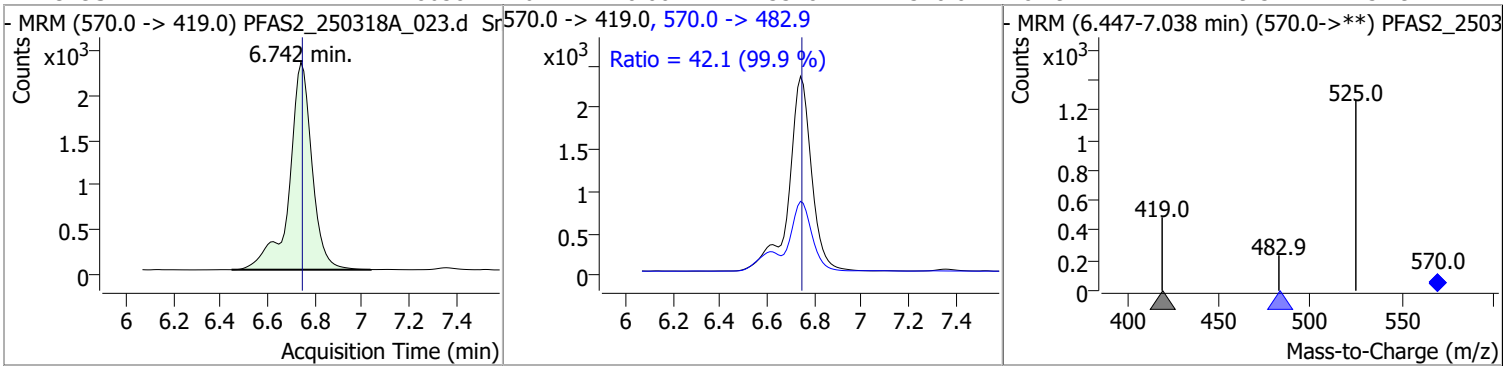
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	2.0042	6.60	-0.01	91935	513.0 -> 219.0	15.5	8.7	16.2



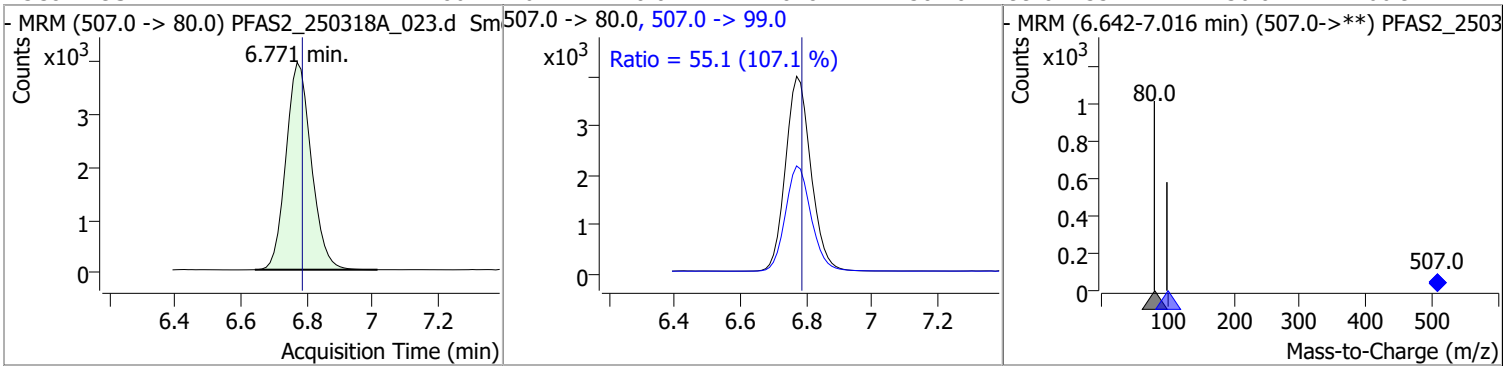
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9485	6.74	0.00	47369				



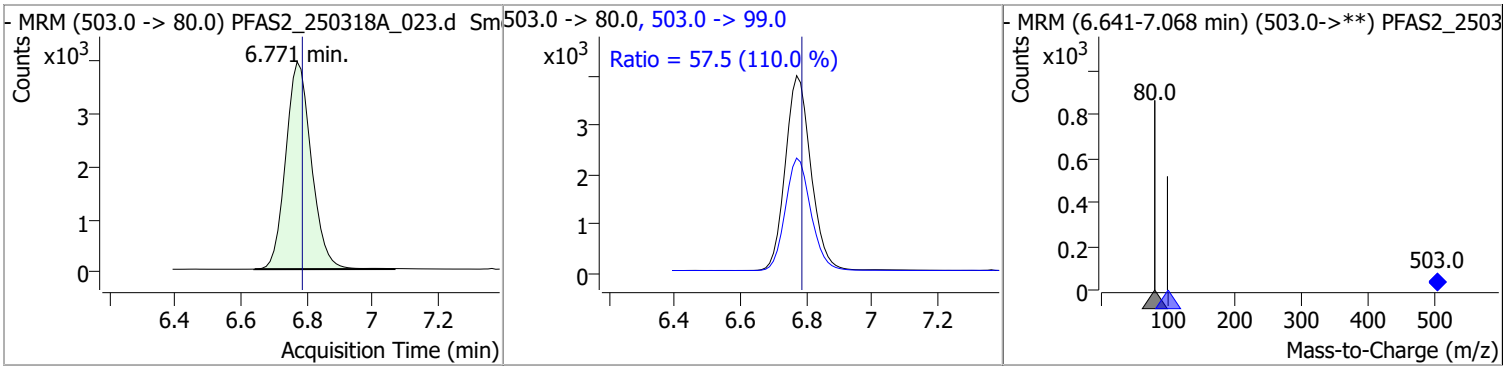
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	1.8658	6.74	0.00	15578	570.0 -> 482.9	42.1	29.5	54.9



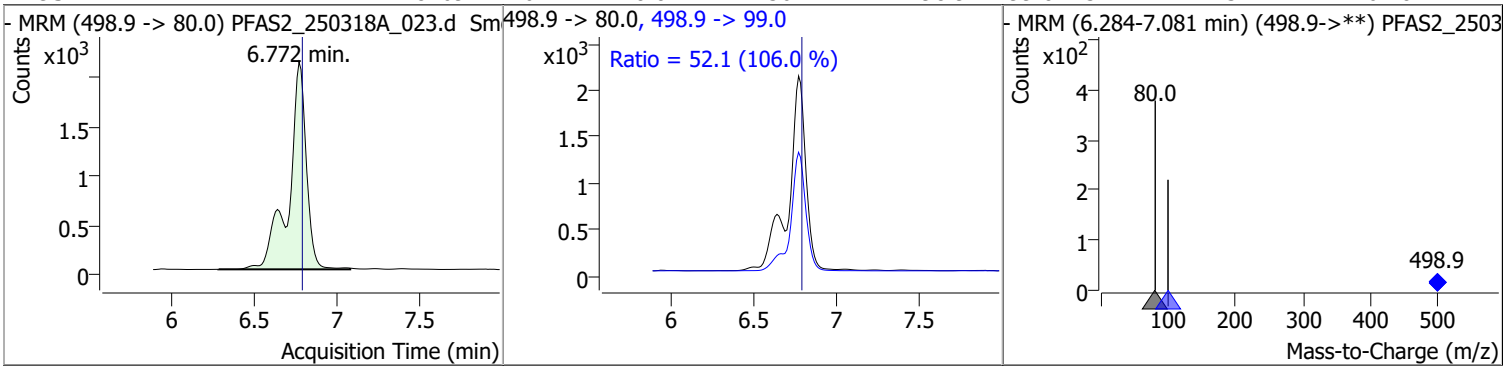
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4286	6.77	-0.01	21028	507.0 -> 99.0	55.1	36.0	66.9



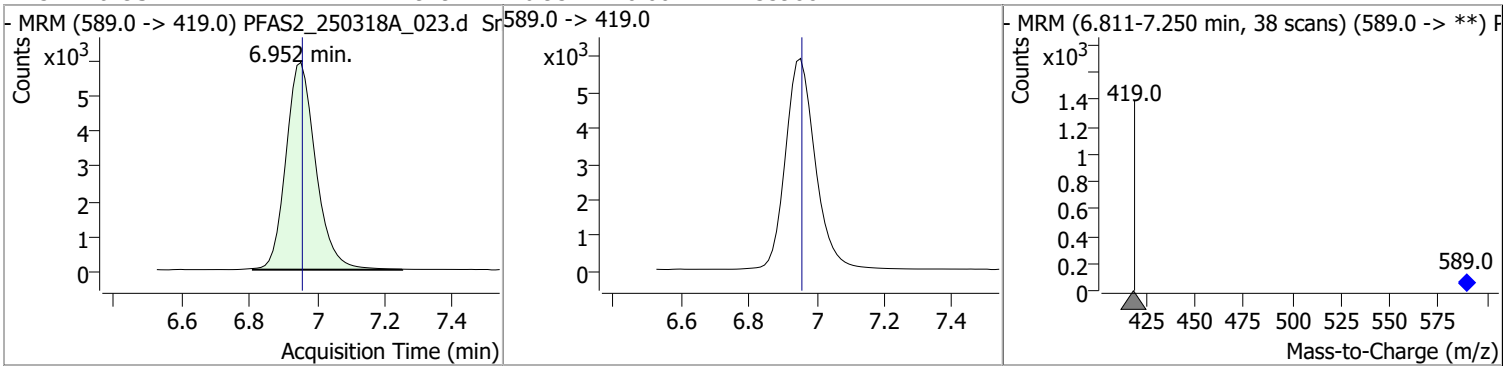
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21334	503.0 -> 99.0	57.5	36.6	67.9



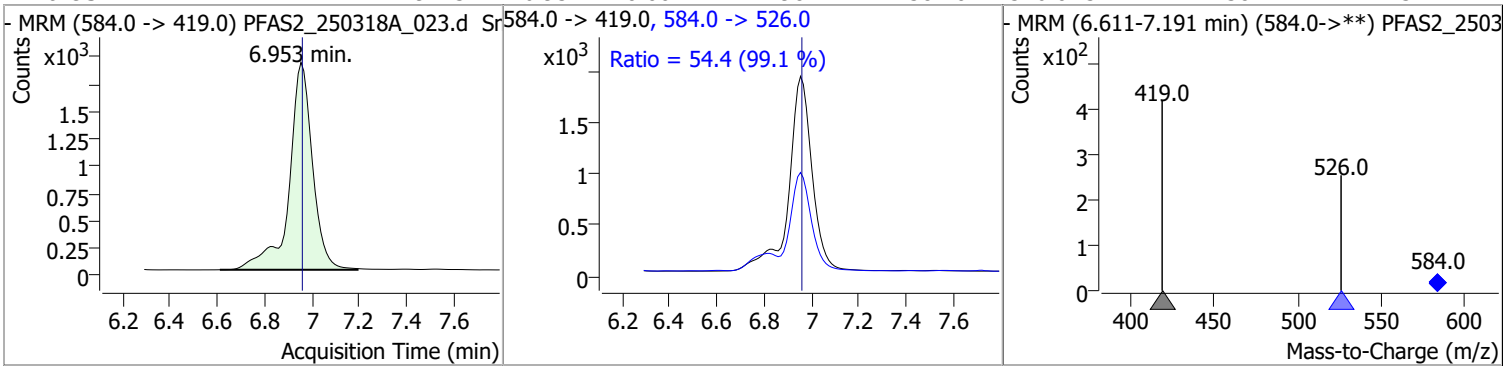
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	1.8769	6.77	-0.01	15641	498.9 -> 99.0	52.1	34.4	64.0



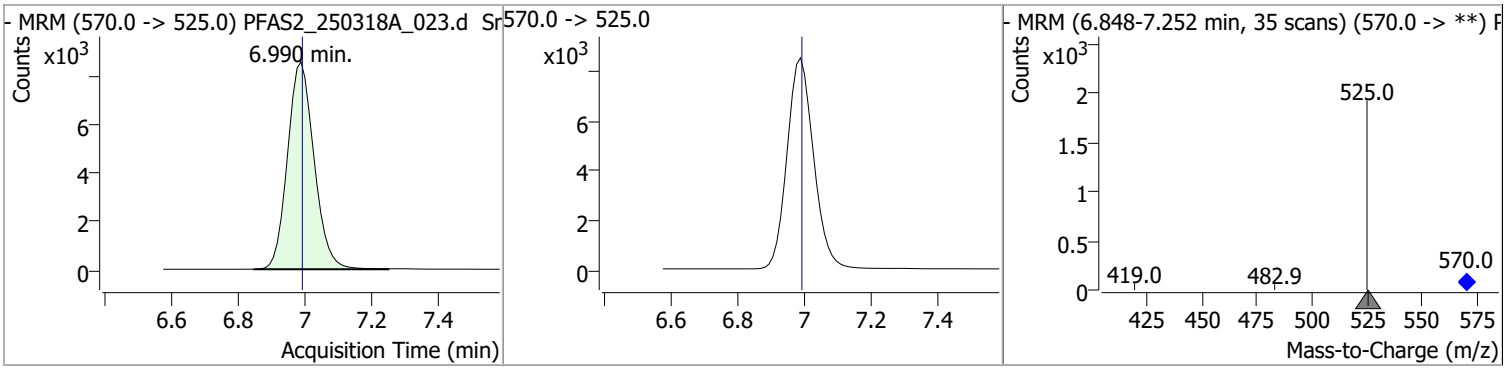
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9797	6.95	0.00	35988				



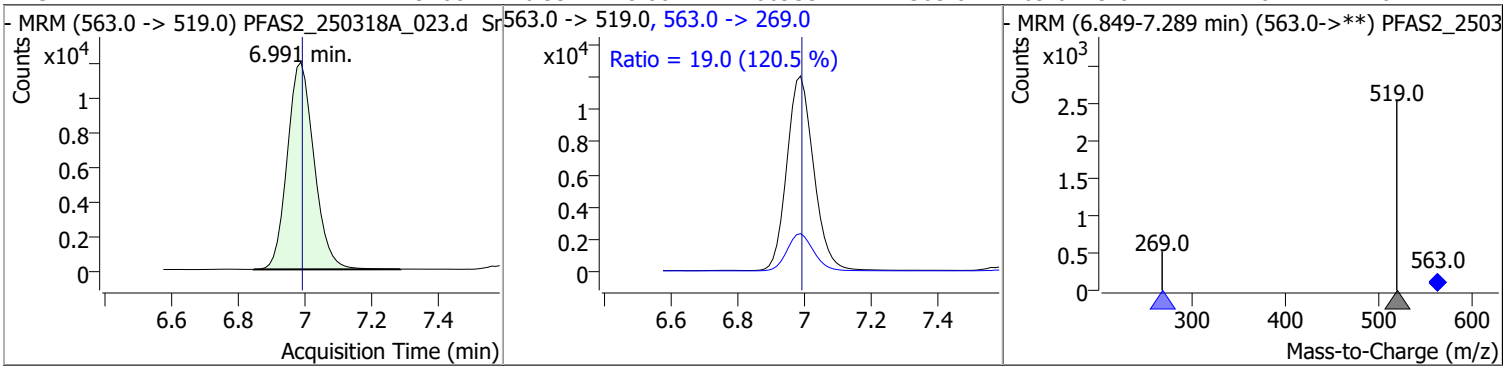
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	1.9173	6.95	0.00	12982	584.0 -> 526.0	54.4	38.4	71.3



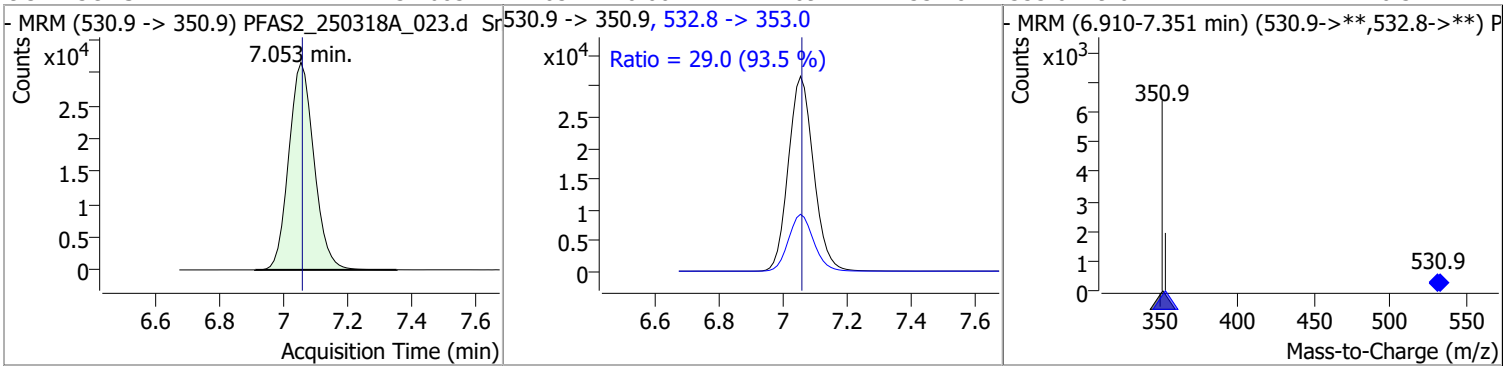
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1853	6.99	0.00	47108				



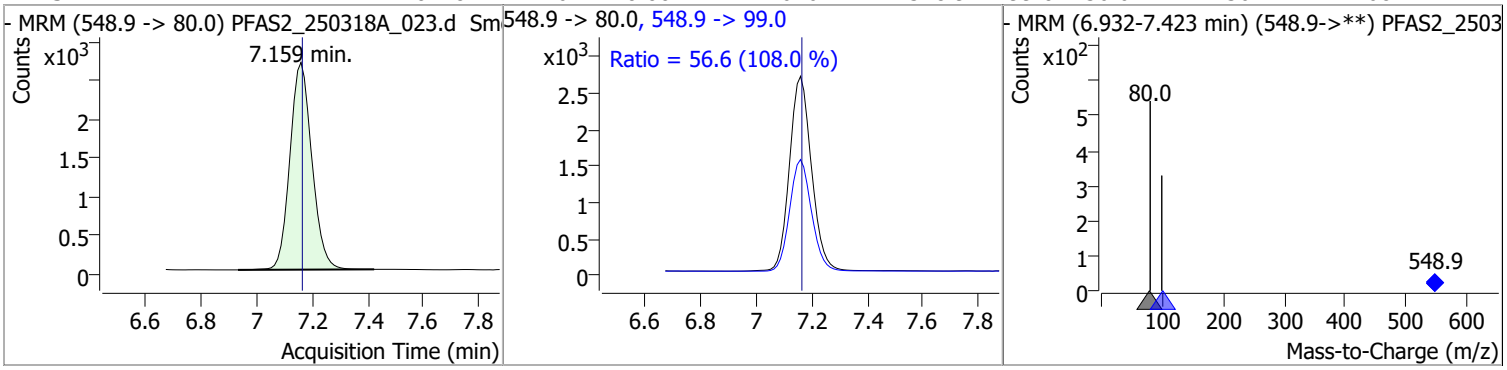
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	1.9208	6.99	0.00	66935	563.0 -> 269.0	19.0	11.0	20.4



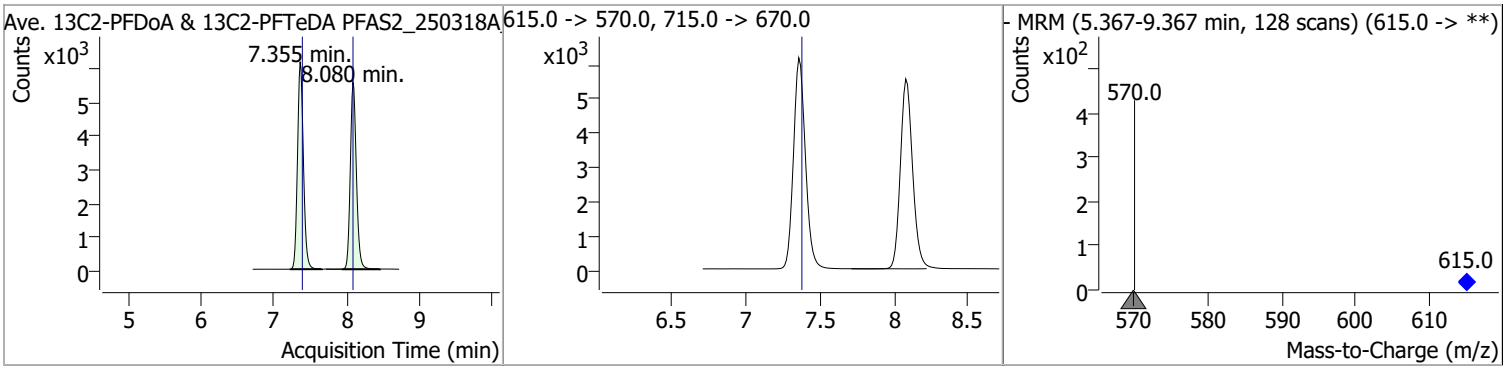
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	3.7683	7.05	0.00	172094	532.8 -> 353.0	29.0	21.7	40.3



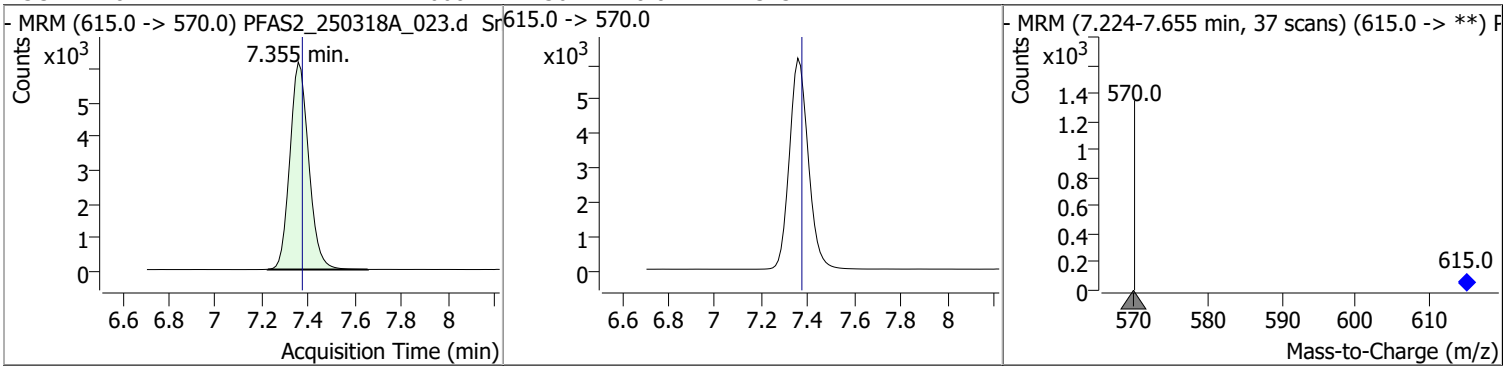
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	2.0418	7.16	0.00	14646	548.9 -> 99.0	56.6	36.7	68.1



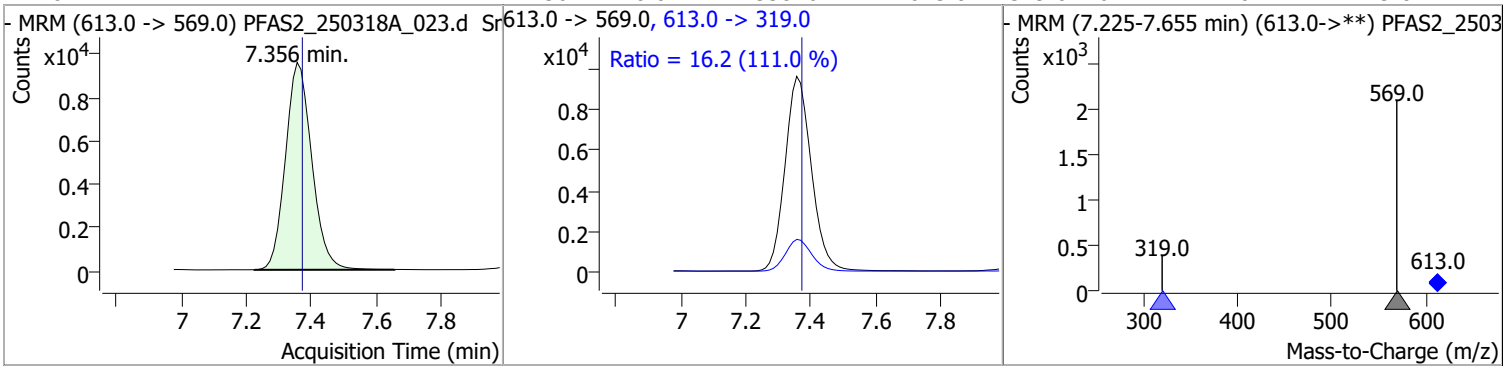
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0157	7.72	0.35	33274				



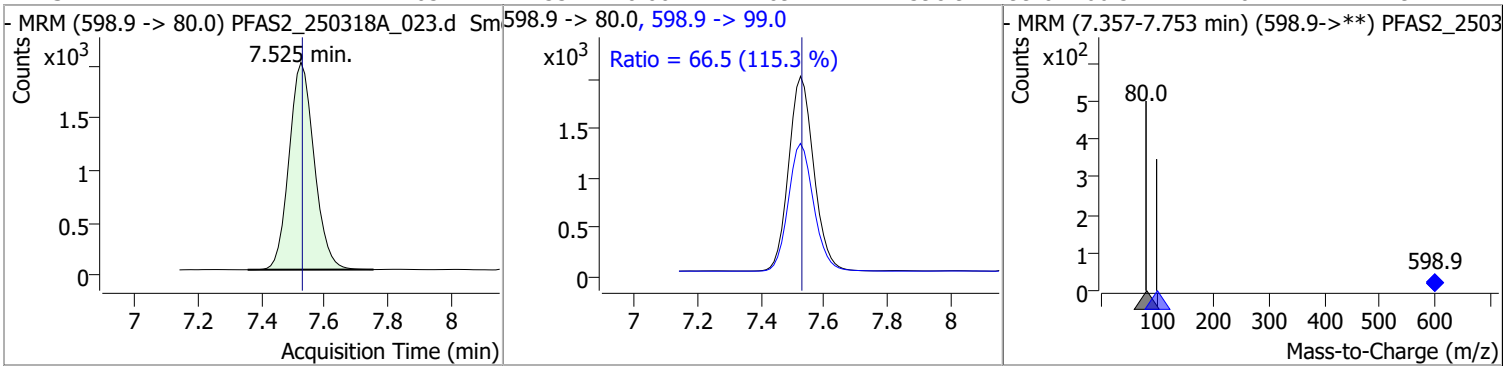
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1660	7.36	-0.01	34527				



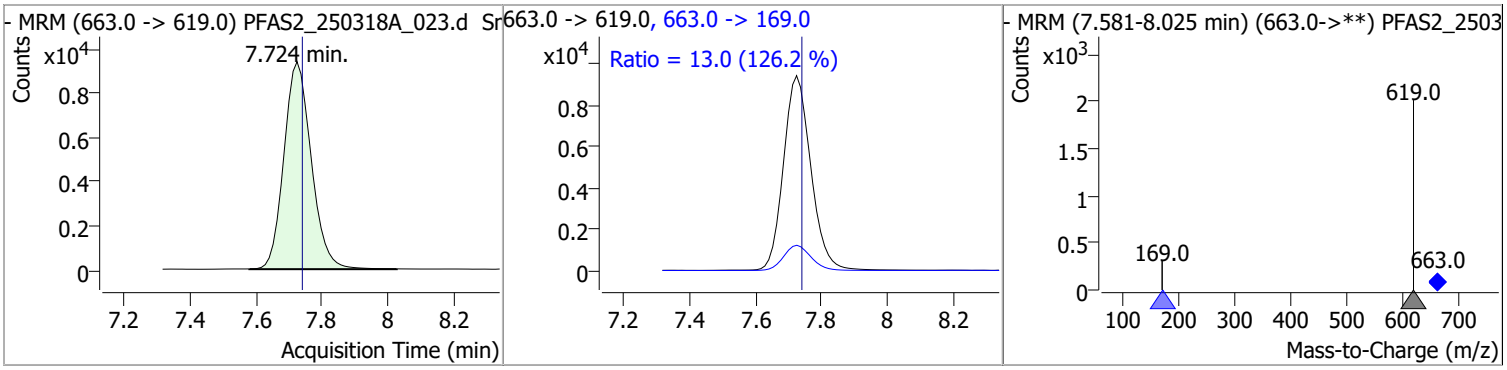
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	2.1274	7.36	-0.01	53846	613.0 -> 319.0	16.2	10.2	19.0



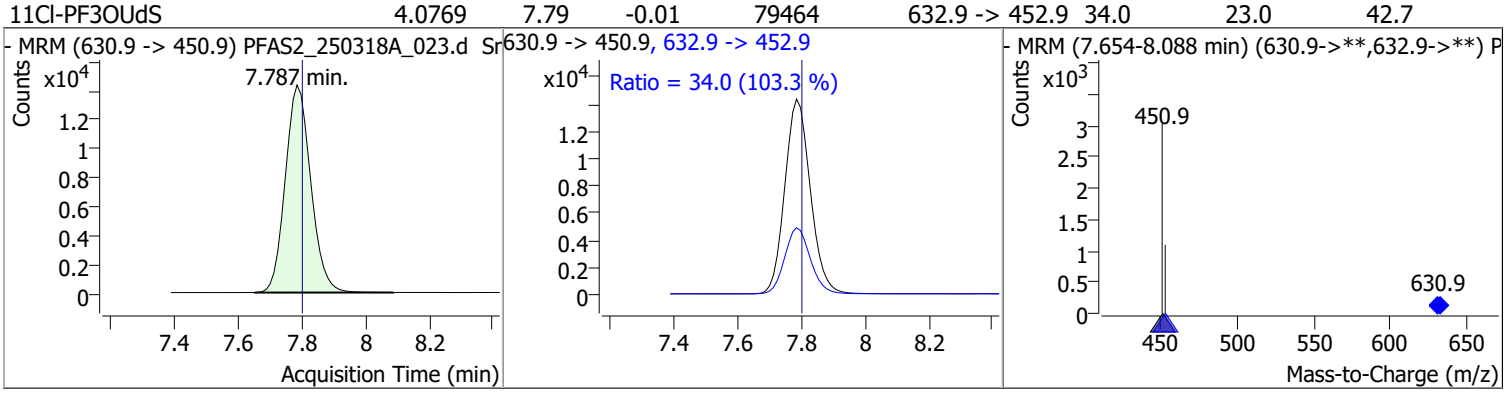
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	2.0377	7.53	0.00	10921	598.9 -> 99.0	66.5	40.4	74.9



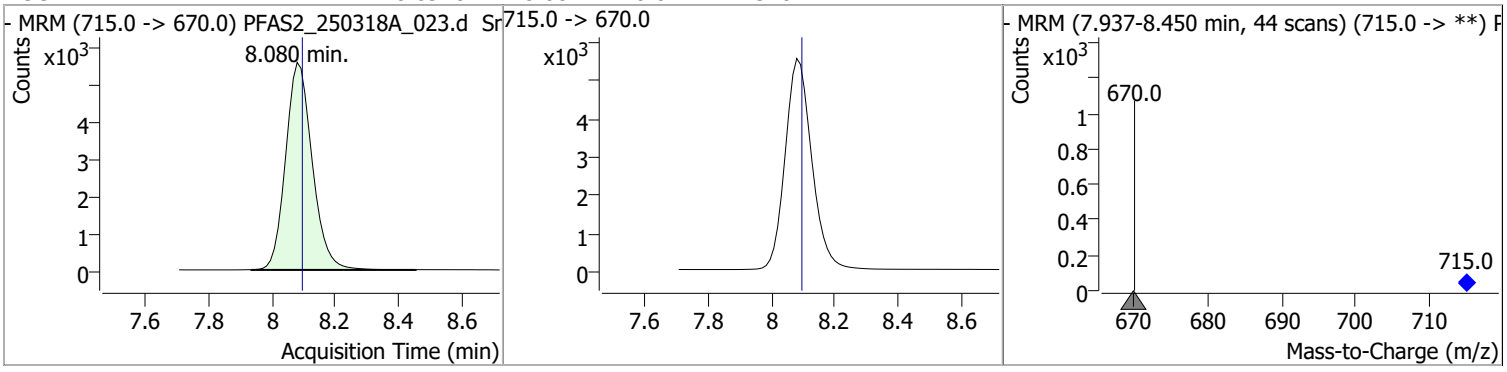
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	2.1377	7.72	-0.01	53594	663.0 -> 169.0	13.0	7.2	13.4



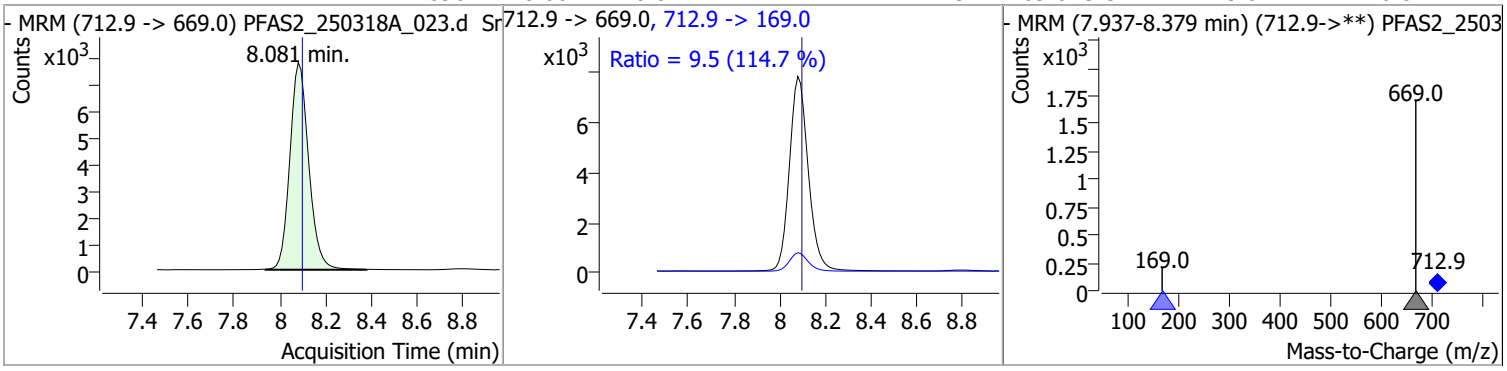
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	4.0769	7.79	-0.01	79464	632.9 -> 452.9	34.0	23.0	42.7



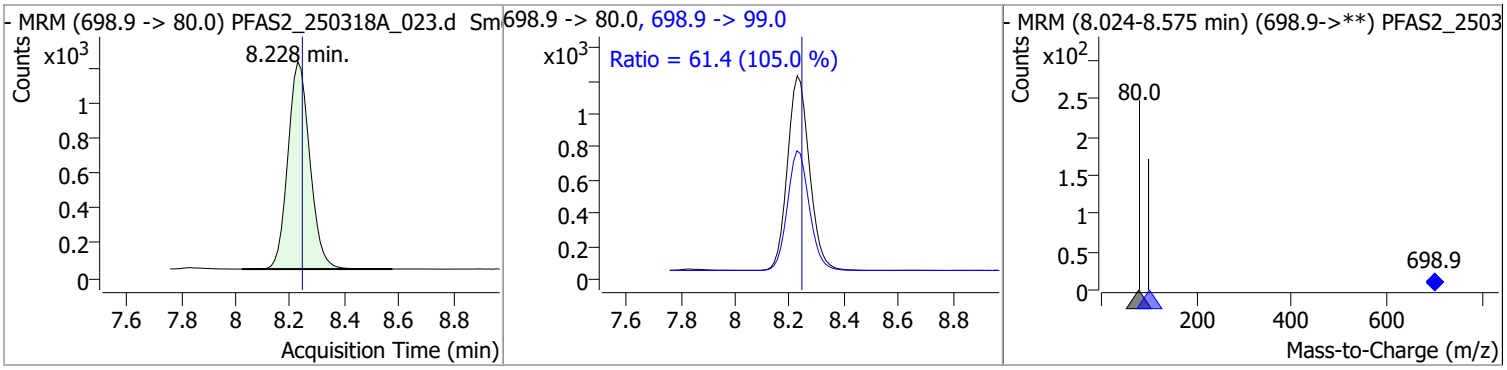
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8918	8.08	-0.01	32021				



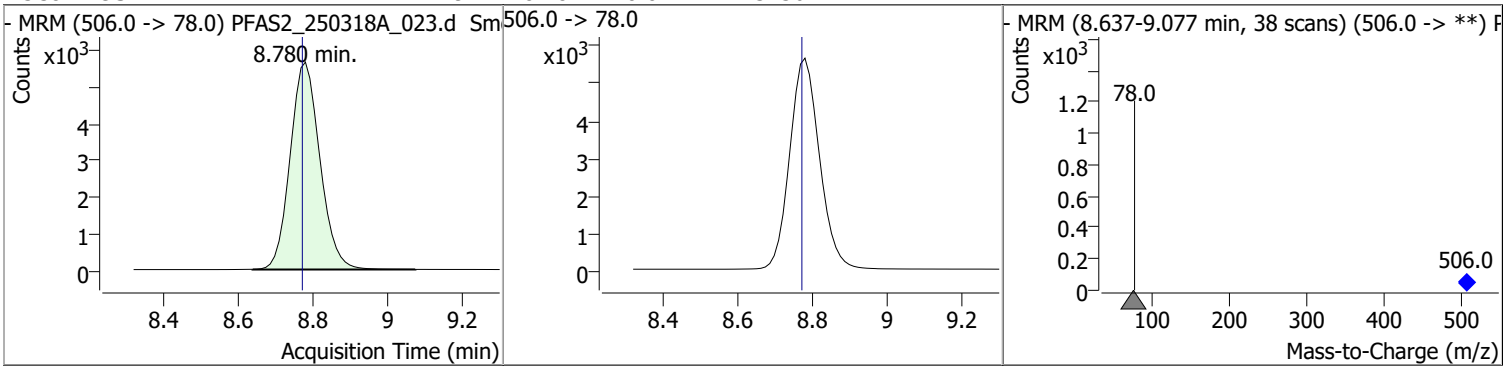
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	2.2896	8.08	-0.01	44772	712.9 -> 169.0	9.5	5.8	10.8



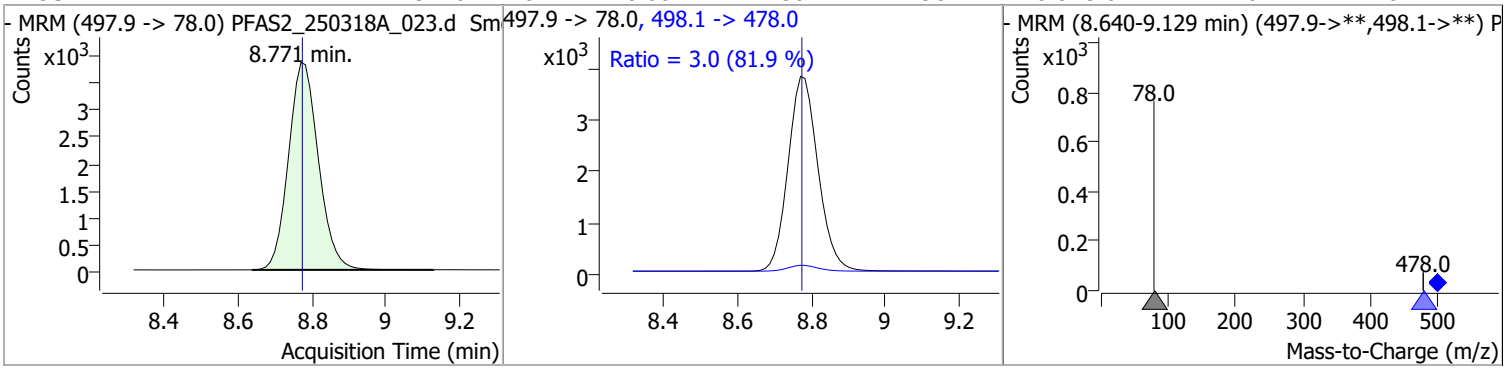
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	1.7547	8.23	-0.01	6576	698.9 -> 99.0	61.4	41.0	76.1



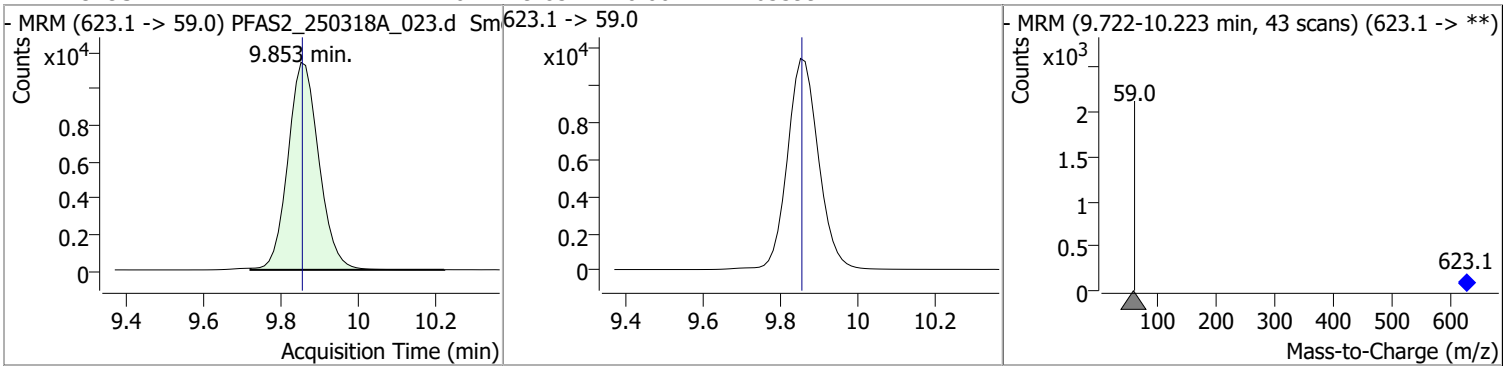
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4719	8.78	0.01	31364				



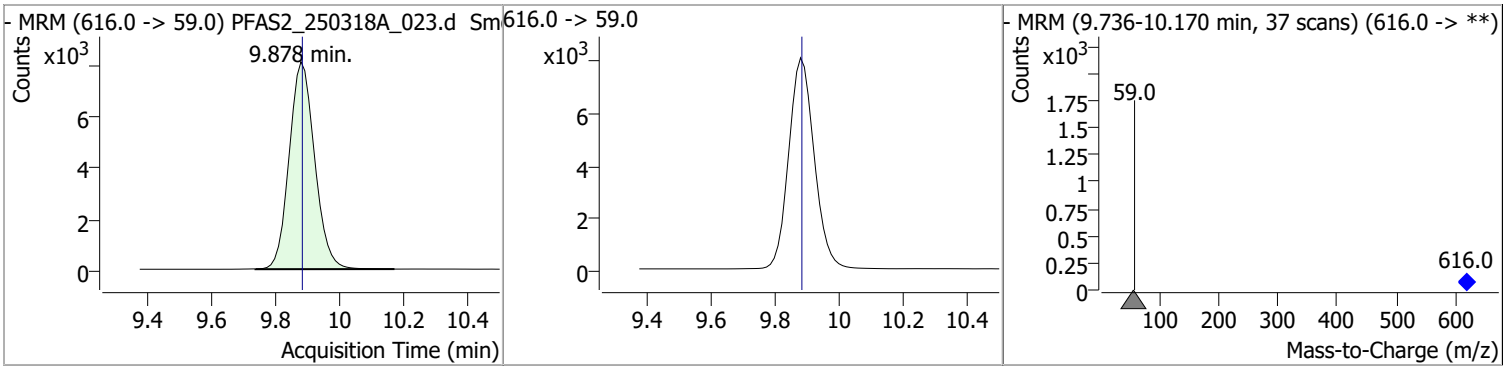
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	1.9726	8.77	0.00	21502	498.1 -> 478.0	3.0	2.6	4.8



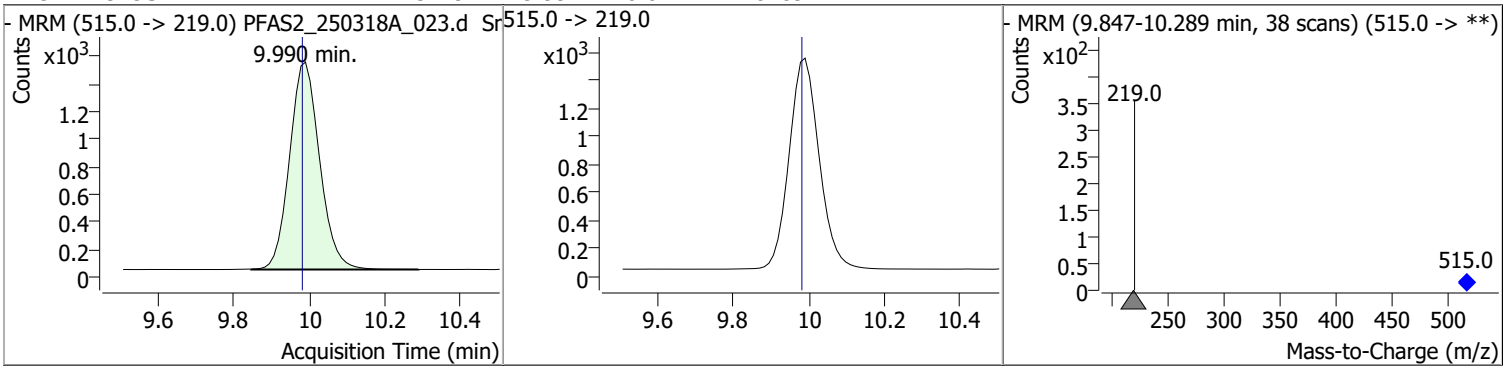
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.7402	9.85	0.00	63399				



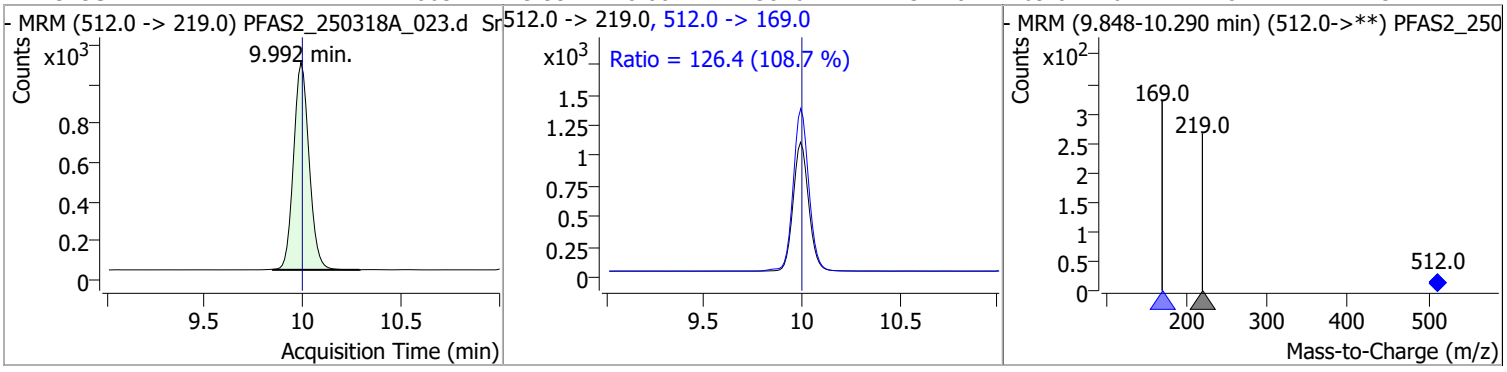
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	23.4144	9.88	0.00	44711				



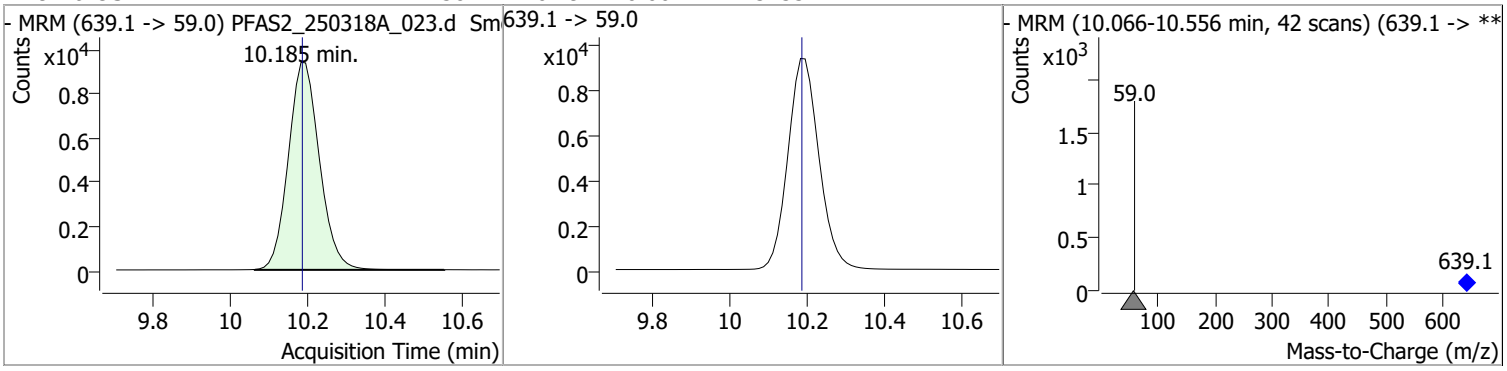
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3279	9.99	0.01	8289				



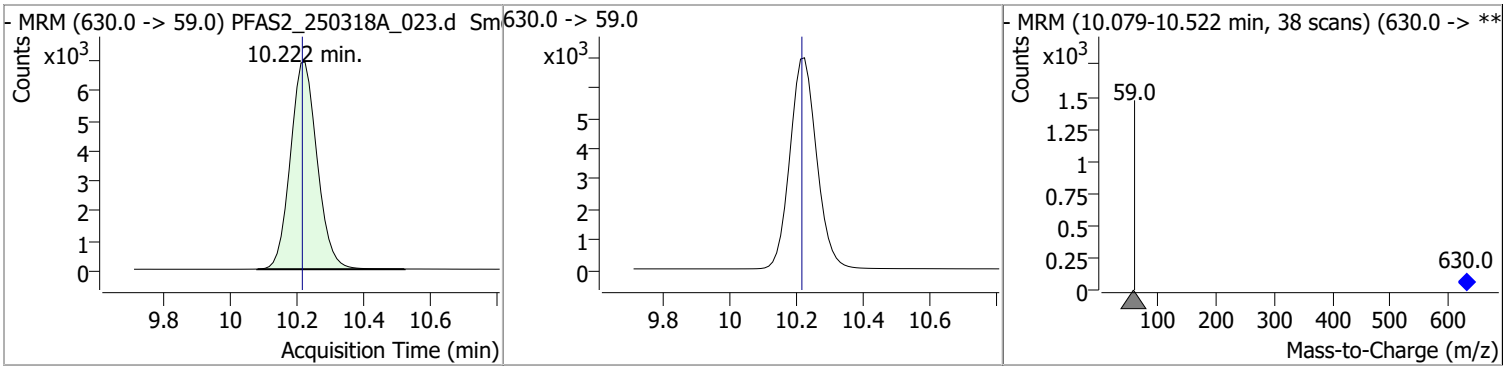
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	1.8654	9.99	0.00	5816	512.0 -> 169.0	126.4	81.4	151.2



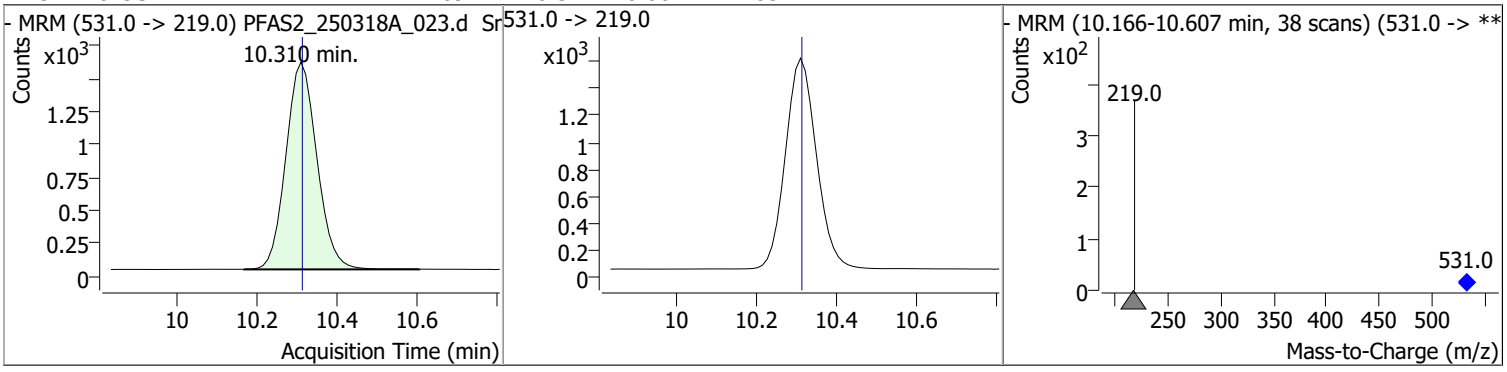
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.1381	10.19	0.00	52537				



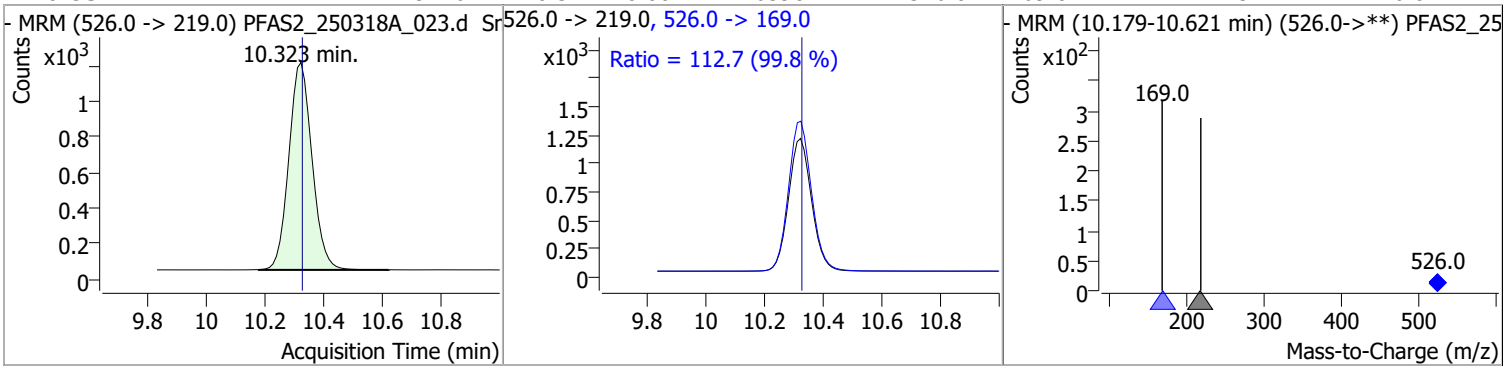
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	20.5461	10.22	0.01	38661				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2189	10.31	0.00	8544				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	1.9416	10.32	0.00	6398	526.0 -> 169.0	112.7	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-MSD1	File ID:	PFAS2_250318A_024.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:05
		Preparation:	1633 Water	Dilution:	1
Batch:	B25C0783	Sequence:	S25C0702	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	81.2	0.47	3.12	6.24	
2706-90-3	PFPeA	44.9	0.14	1.56	3.12	
307-24-4	PFHxA	25.3	0.13	0.78	1.56	
375-85-9	PFHpA	20.7	0.16	0.78	1.56	
335-67-1	PFOA	23.7	0.12	0.78	1.56	
375-95-1	PFNA	18.6	0.09	0.78	1.56	
335-76-2	PFDA	20.5	0.13	0.78	1.56	
2058-94-8	PFUnA	20.2	0.19	0.78	1.56	
307-55-1	PFDoA	19.8	0.11	0.78	1.56	
72629-94-8	PFTrDA	21.9	0.07	0.78	1.56	
376-06-7	PFTeDA	22.4	0.12	0.78	1.56	
375-73-5	PFBS	29.3	0.19	0.69	1.38	
2706-91-4	PFPeS	19.6	0.20	0.74	1.47	
355-46-4	PFHxS	20.0	0.22	0.71	1.42	
375-92-8	PFHpS	18.5	0.40	0.74	1.48	
1763-23-1	PFOS	18.8	0.21	0.91	1.81	
68259-12-1	PFNS	19.7	0.19	0.75	1.50	
335-77-3	PFDS	19.7	0.14	0.75	1.50	
79780-39-5	PFDoS	16.3	0.08	0.76	1.51	
757124-72-4	4:2FTS	73.3	0.40	2.92	5.85	
27619-97-2	6:2FTS	64.8	2.70	2.96	5.93	
39108-34-4	8:2FTS	67.8	0.59	2.99	5.98	
754-91-6	PFOSA	19.8	0.10	0.78	1.56	
31506-32-8	NMeFOSA	19.2	0.25	0.78	1.56	
4151-50-2	NEtFOSA	19.7	0.30	0.78	1.56	
2355-31-9	NMeFOSAA	18.9	0.43	0.78	1.56	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0783-MSD1	File ID:	PFAS2_250318A_024.d
		Prepared:	03/14/25 11:13	Analyzed:	03/18/25 22:05
		Preparation:	1633 Water	Dilution:	1

Batch: B25C0783 Sequence: S25C0702 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	19.6	0.28	0.78	1.56	
24448-09-7	NMeFOSE	243	0.98	7.80	15.6	
1691-99-2	NEtFOSE	196	1.23	7.80	15.6	
13252-13-6	HFPO-DA	39.8	0.40	1.56	3.12	
919005-14-4	ADONA	33.6	0.15	1.47	2.94	
756426-58-1	9CL-PF3ONS	33.9	0.18	1.46	2.91	
763051-92-9	11CL-PF3OUdS	35.7	0.30	1.47	2.94	
356-02-5	3:3FTCA	66.4	0.64	3.12	6.24	
914637-49-3	5:3FTCA	330	3.57	15.6	31.2	
812-70-4	7:3FTCA	365	2.98	15.6	31.2	
113507-82-7	PFEESA	36.0	0.17	1.39	2.78	
377-73-1	PFMPA	35.0	0.11	1.56	3.12	
863090-89-5	PFMBA	37.9	0.12	1.56	3.12	
151772-58-6	NFDHA	40.2	0.44	1.56	3.12	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_024.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 10:05:14 PM
Sample Name	B25C0783-MSD1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

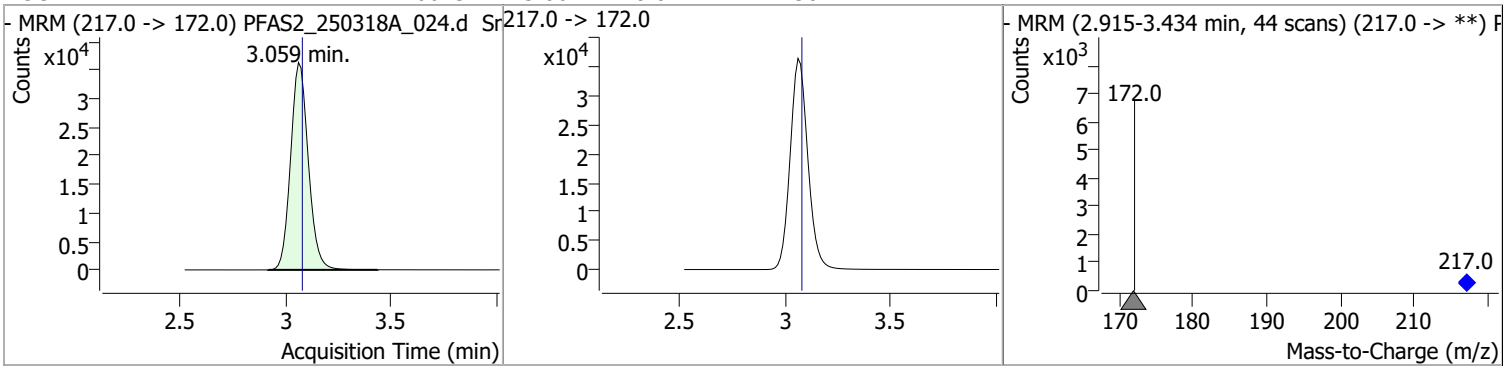
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	121369	5.0000	µg/L		-11.307
13C2-PFHxA	4.890	315.0 -> 270.0	132393	2.5000	µg/L		-13.708
18O2-PFHxS	5.955	403.0 -> 84.0	24707	2.5000	µg/L		-16.615
13C4-PFOA	5.835	417.0 -> 172.0	13831	2.5000	µg/L		-10.466
13C5-PFNA	6.226	468.0 -> 423.0	66087	1.2500	µg/L		-7.144
13C2-PFDA	6.603	515.0 -> 470.0	61636	1.2500	µg/L		-7.836
13C4-PFOS	6.771	503.0 -> 80.0	21458	2.5000	µg/L		-13.854
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	211304	10.0000	µg/L		-32.019
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 76.61%			
13C5-PFPeA	4.222	268.0 -> 223.0	172306	5.0000	µg/L		-16.728
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.51%			
13C5-PFPeA	4.222	268.0 -> 223.0	172306	5.0000	µg/L		-16.728
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.51%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26163	5.0000	µg/L		3.554
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 124.69%			
13C5-PFHxA	4.889	318.0 -> 273.0	135421	2.5000	µg/L		-19.795
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.93%			
13C5-PFHxA	4.889	318.0 -> 273.0	135421	2.5000	µg/L		-19.795
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.93%			
13C3-PFBS	4.929	302.0 -> 80.0	47333	2.5000	µg/L		-22.052
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.58%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	150625	10.0000	µg/L		-13.815
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.87%			
13C4-PFHpA	5.397	367.0 -> 322.0	159554	2.5000	µg/L		-15.530
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.92%			
13C3-PFHxS	5.956	402.0 -> 80.0	27148	2.5000	µg/L		-22.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.18%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	14471	5.0000	µg/L	#	-2.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 117.64%			
13C8-PFOA	5.835	421.0 -> 376.0	147713	2.5000	µg/L		-14.488
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.53%			
13C3-PFHxS	5.956	402.0 -> 80.0	27148	2.5000	µg/L		-22.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.18%			
13C9-PFNA	6.225	472.0 -> 427.0	62863	1.2500	µg/L		-10.787
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.03%			
13C8-PFOS	6.771	507.0 -> 80.0	20157	2.5000	µg/L		-20.278
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.58%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10080	5.0000	µg/L	#	-14.904
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.92%			
13C6-PFDA	6.603	519.0 -> 474.0	59552	1.2500	µg/L		-12.372
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.99%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	44591	5.0000	µg/L		-20.114
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.63%			
13C8-PFOS	6.771	507.0 -> 80.0	20157	2.5000	µg/L		-20.278

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.58%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34858	5.0000	µg/L		-17.337
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.91%			
13C7-PFUnDA	6.978	570.0 -> 525.0	44937	1.2500	µg/L		-16.168
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.95%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	31475	1.2500	µg/L		-28.654
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 77.29%			
13C2-PFDoDA	7.355	615.0 -> 570.0	31430	1.2500	µg/L		-21.318
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 85.38%			
13C2-PFTDA	8.080	715.0 -> 670.0	31519	1.2500	µg/L		-34.722
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.61%			
13C8-PFOSA	8.780	506.0 -> 78.0	29953	2.5000	µg/L		-18.961
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.88%			
2H7-MeFOSE	9.853	623.1 -> 59.0	62257	25.0000	µg/L		-50.450
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 57.56%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	7068	2.5000	µg/L		-31.835
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 78.94%			
2H9-EtFOSE	10.185	639.1 -> 59.0	50312	25.0000	µg/L		-20.780
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 91.93%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8065	2.5000	µg/L		-28.250
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.30%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	152980	8.3269	µg/L		100
PFMPA	3.614	229.0 -> 85.0	58945	3.5960	µg/L		100
3-3 FTCA	3.766	241.0 -> 177.0	3927	6.8093	µg/L		98
PFPeA	4.223	263.0 -> 219.0	146155	4.6016	µg/L		100
PFMBA	4.465	279.0 -> 85.0	93492	3.8926	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	119523	7.5169	µg/L		99
NFDHA	4.834	295.0 -> 201.0	4107	4.1240	µg/L		89
PFHxA	4.892	313.0 -> 269.0	125876	2.5976	µg/L		99
PFBS	4.930	298.9 -> 80.0	58951	3.0016	µg/L		96
HFPO-DA	5.087	285.0 -> 169.0	54524	4.0800	µg/L		90
PFEESA	5.201	314.9 -> 135.0	250820	3.6913	µg/L		98
PFHpA	5.398	363.0 -> 319.0	129949	2.1251	µg/L		98
5-3 FTCA	5.447	341.0 -> 237.0	126652	33.8408	µg/L		94
PFPeS	5.494	348.9 -> 80.0	29540	2.0152	µg/L		89
DONA	5.551	377.0 -> 251.0	301276	3.4479	µg/L		98
6-2 FTSA	5.642	427.0 -> 407.0	66767	6.6483	µg/L		85
PFOA	5.836	413.0 -> 369.0	140082	2.4268	µg/L		97
PFHxS	5.957	398.9 -> 80.0	21720	2.0569	µg/L		93
PFNA	6.226	463.0 -> 419.0	93118	1.9040	µg/L		98
PFHpS	6.382	448.9 -> 80.0	15897	1.8961	µg/L		85
8-2 FTSA	6.424	527.0 -> 507.0	31521	6.9612	µg/L	#	63
7-3 FTCA	6.597	441.0 -> 317.0	106146	37.4143	µg/L		93
PFDA	6.604	513.0 -> 469.0	91970	2.1039	µg/L		96
N-MeFOSAA	6.742	570.0 -> 419.0	15272	1.9426	µg/L		98
PFOS	6.772	498.9 -> 80.0	15388	1.9255	µg/L		94
N-EtFOSAA	6.953	584.0 -> 419.0	13220	2.0151	µg/L		90
PFUnDA	6.979	563.0 -> 519.0	68790	2.0684	µg/L		95
9Cl-PF3ONS	7.053	530.9 -> 350.9	162503	3.4799	µg/L		96
PFNS	7.159	548.9 -> 80.0	13874	2.0178	µg/L		91
PFDoDA	7.356	613.0 -> 569.0	46826	2.0323	µg/L		94
PFDS	7.525	598.9 -> 80.0	10369	2.0183	µg/L		93
PFTrDA	7.724	663.0 -> 619.0	53266	2.2461	µg/L		95

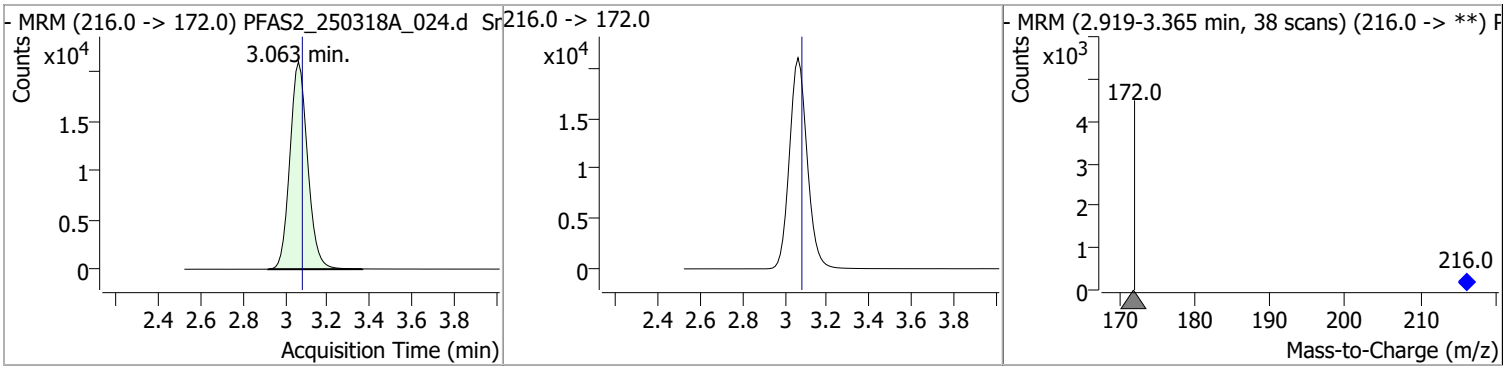
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	73150	3.6665	µg/L	97
PFTDA	8.081	712.9 -> 669.0	44230	2.2978	µg/L	98
PFDoS	8.228	698.9 -> 80.0	6008	1.6724	µg/L	90
PFOSA	8.771	497.9 -> 78.0	21193	2.0358	µg/L	97
MeFOSE	9.878	616.0 -> 59.0	46779	24.9525	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	5230	1.9672	µg/L	86
EtFOSE	10.210	630.0 -> 59.0	36179	20.0763	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	6282	2.0194	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

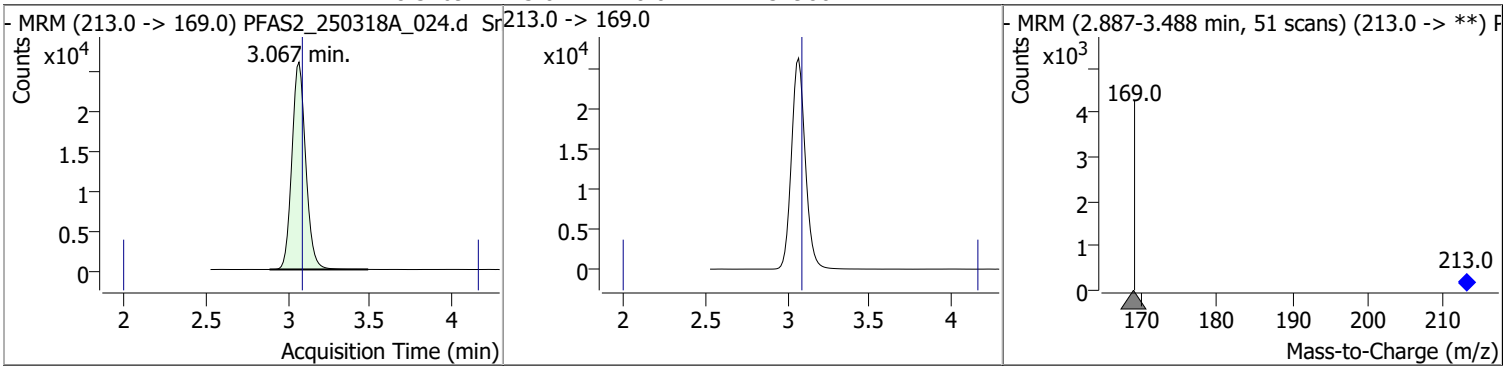
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.6613	3.06	-0.01	211304				



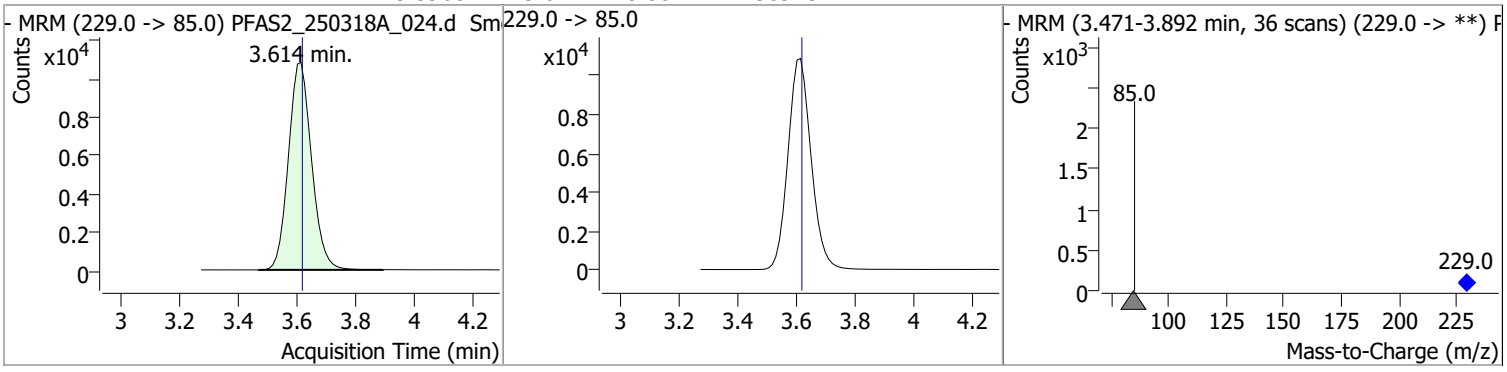
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	121369				



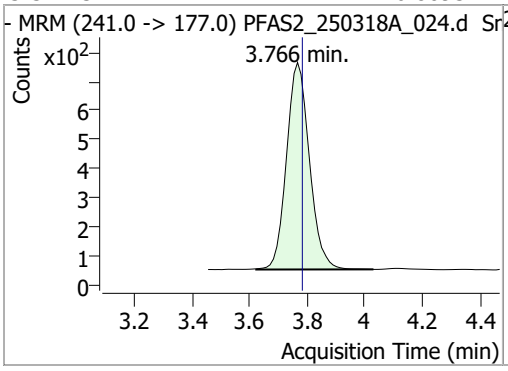
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	8.3269	3.07	-0.01	152980				

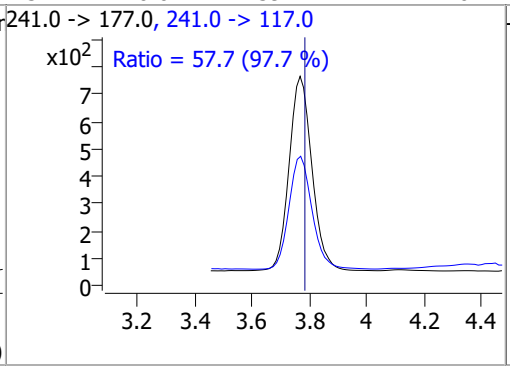


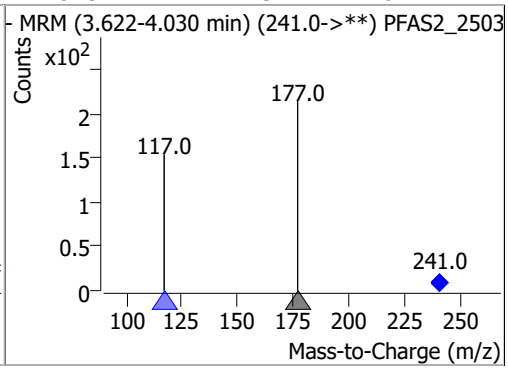
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	3.5960	3.61	0.00	58945				



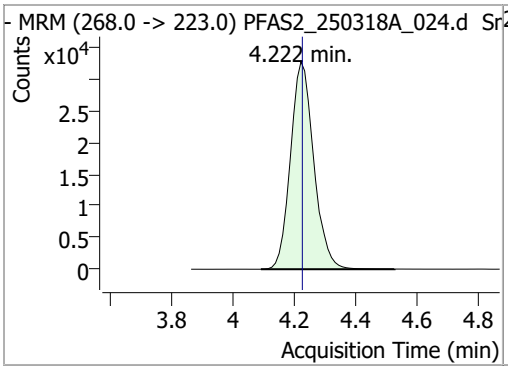
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	6.8093	3.77	-0.01	3927	241.0 -> 117.0	57.7	41.3	76.7

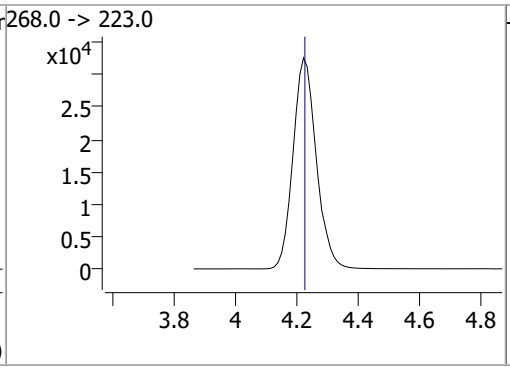


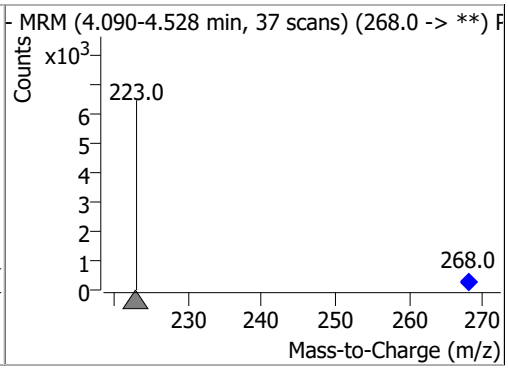




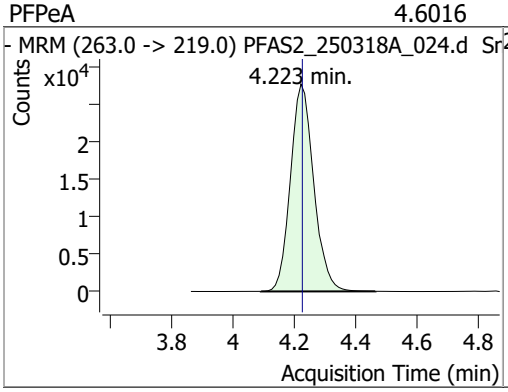
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8253	4.22	0.00	172306				

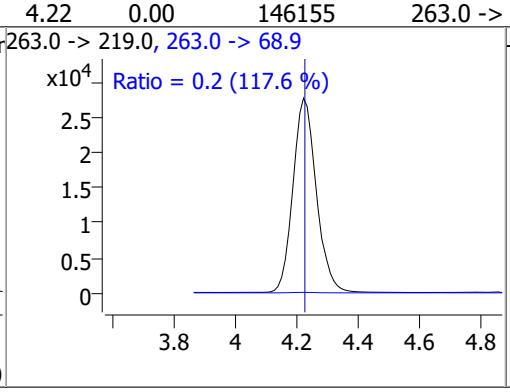


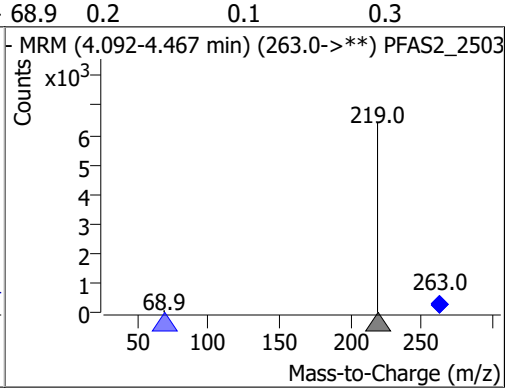




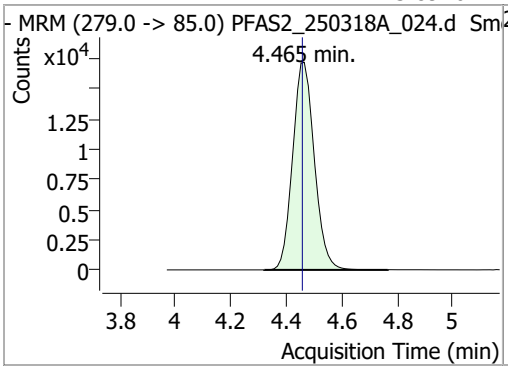
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	4.6016	4.22	0.00	146155	263.0 -> 68.9	0.2	0.1	0.3

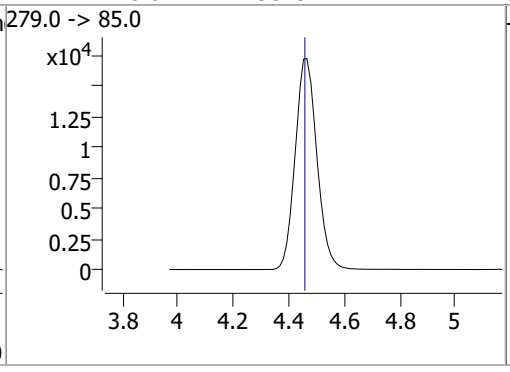


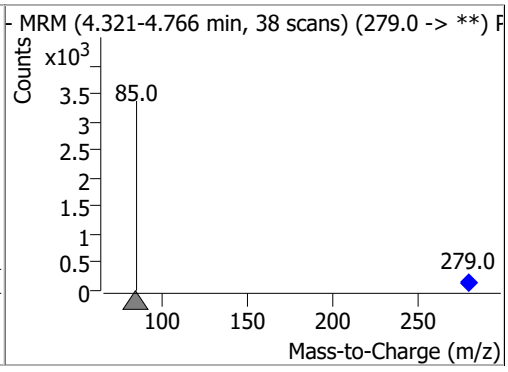




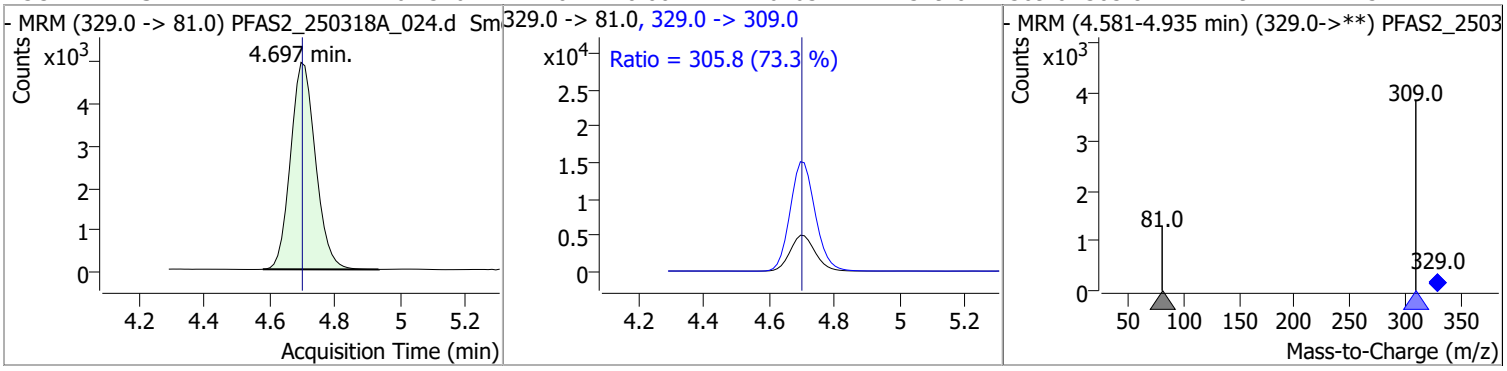
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	3.8926	4.47	0.01	93492				



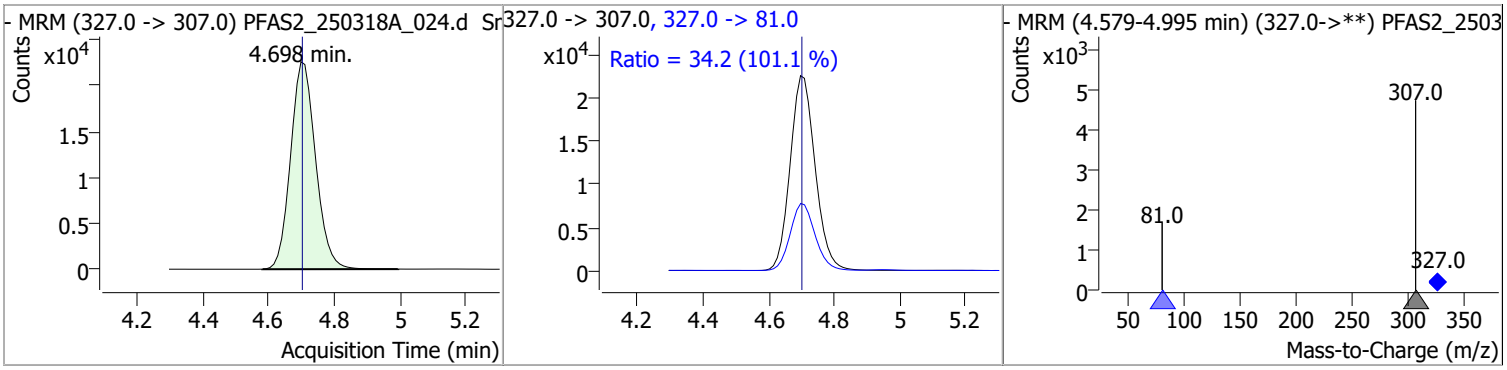




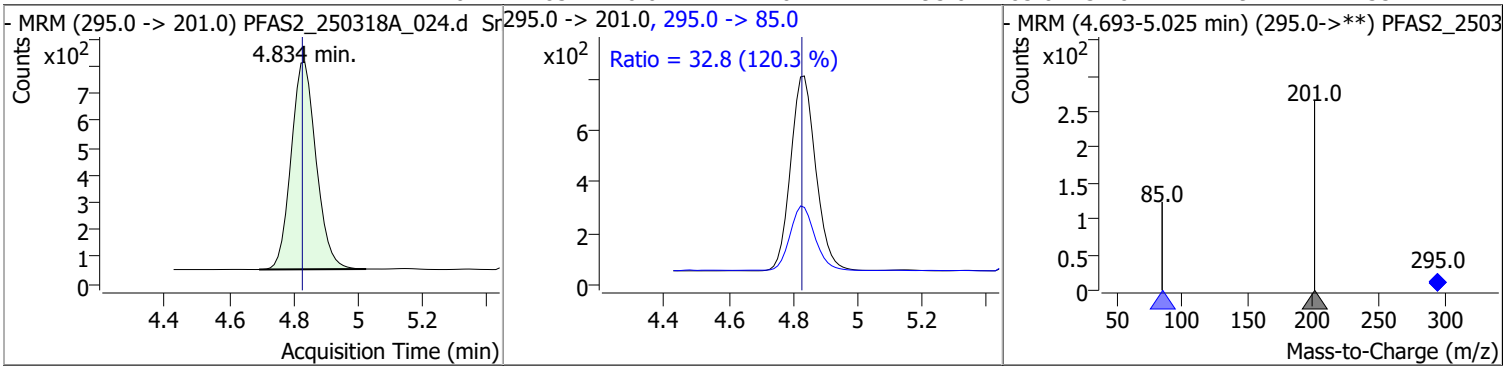
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2346	4.70	0.00	26163	329.0 -> 309.0	305.8	292.1	542.4



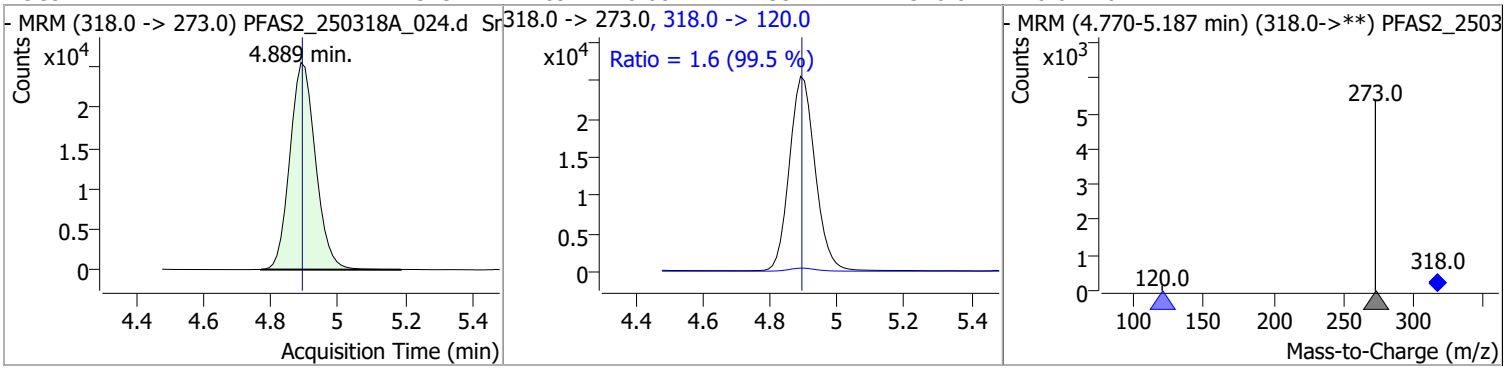
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	7.5169	4.70	0.00	119523	327.0 -> 81.0	34.2	23.6	43.9



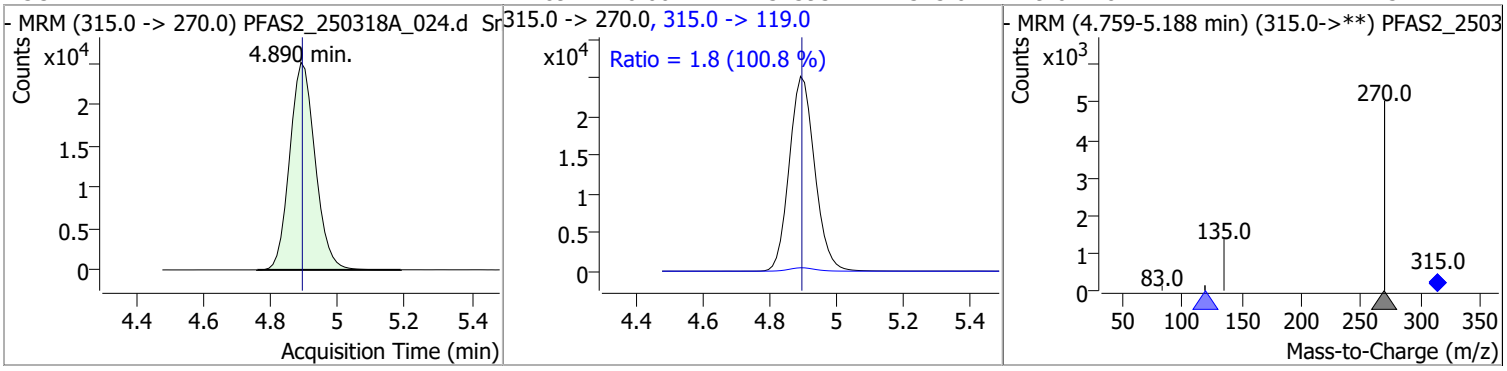
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	4.1240	4.83	0.01	4107	295.0 -> 85.0	32.8	19.1	35.4



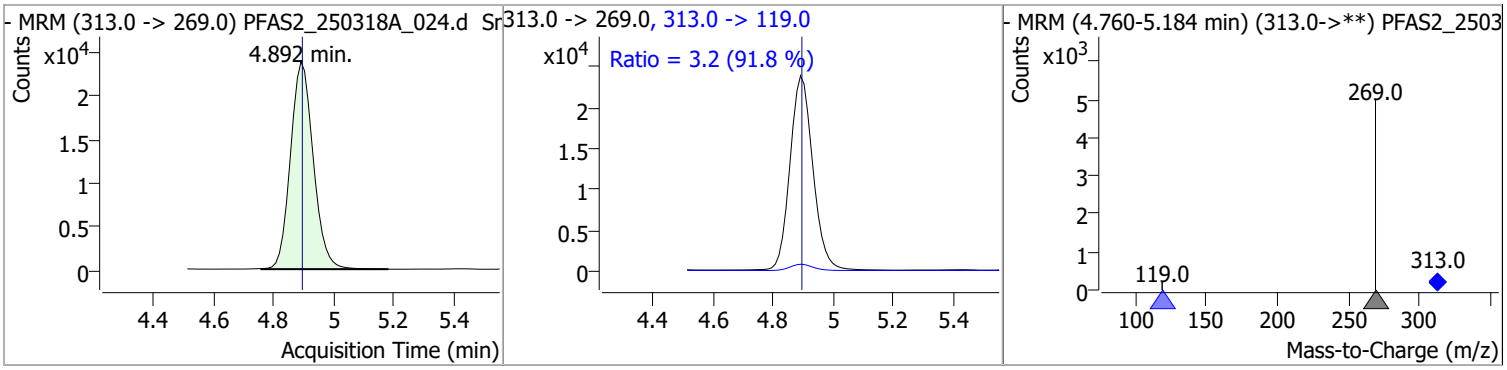
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3231	4.89	0.00	135421	318.0 -> 120.0	1.6	1.1	2.1



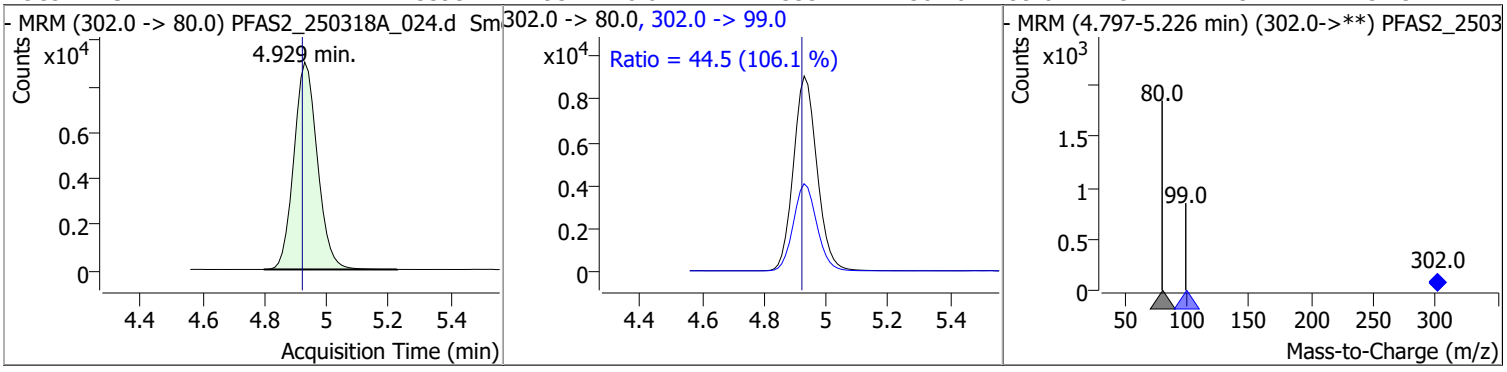
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	132393	315.0 -> 119.0	1.8	1.2	2.3



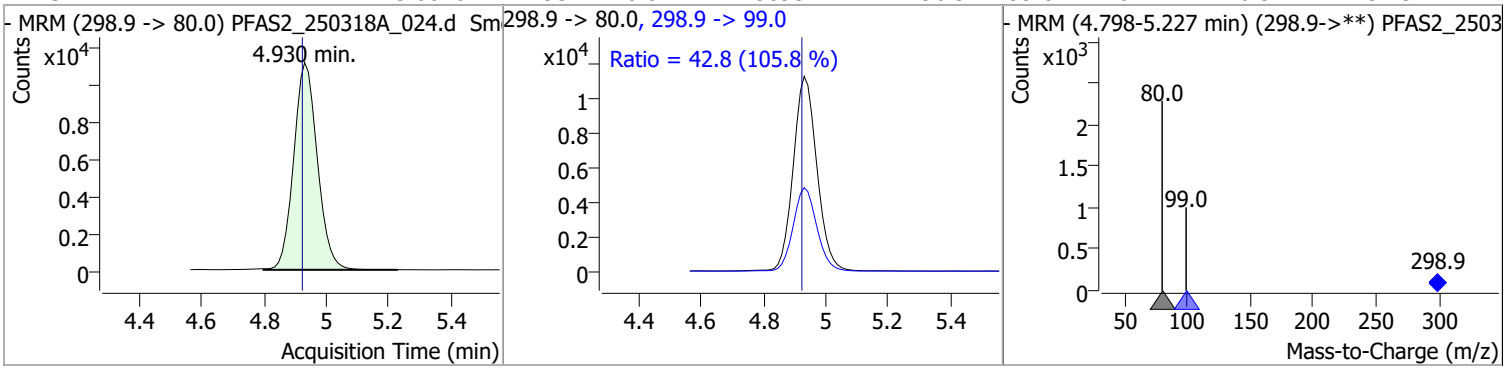
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	2.5976	4.89	0.00	125876	313.0 -> 119.0	3.2	2.4	4.5



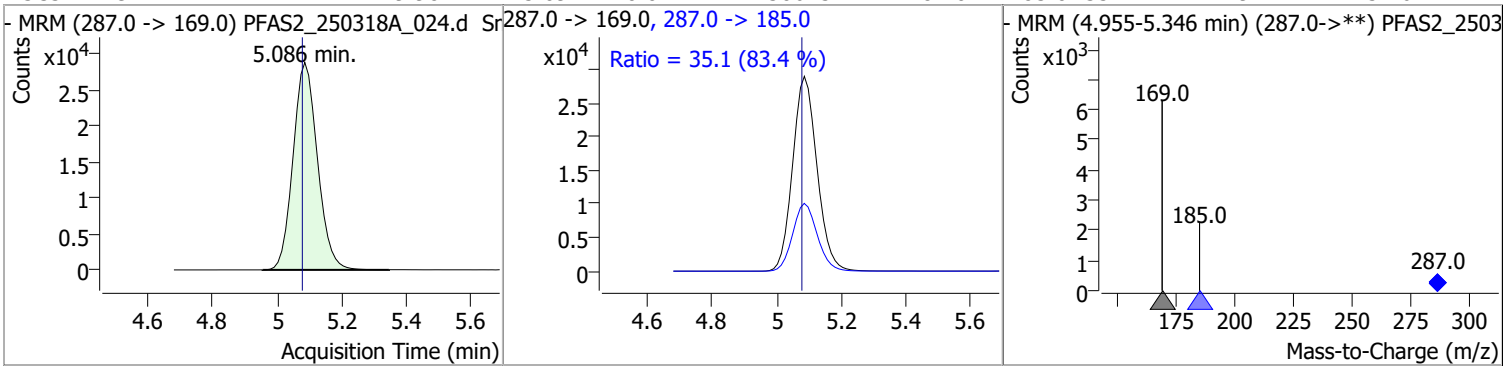
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3395	4.93	0.01	47333	302.0 -> 99.0	44.5	29.4	54.5



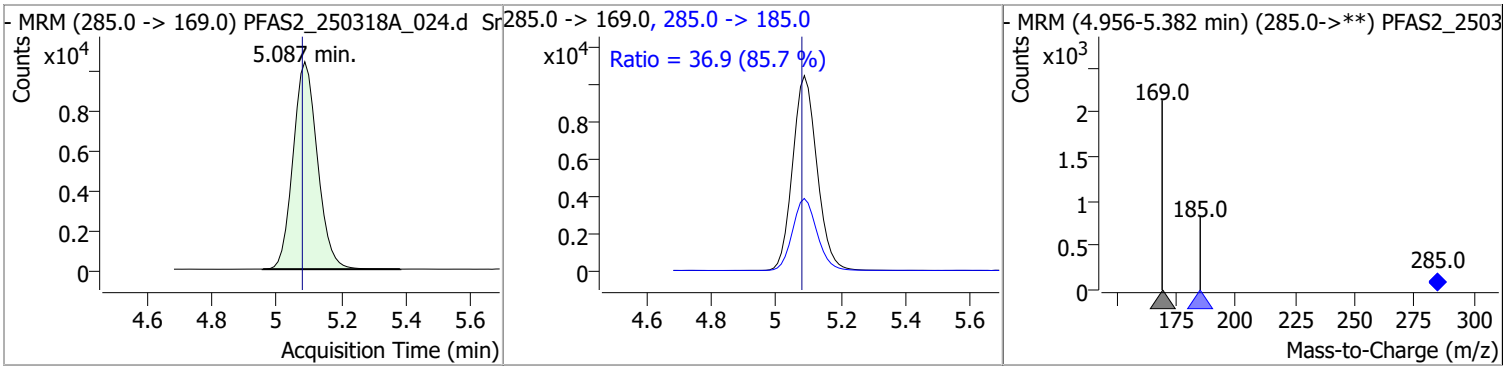
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	3.0016	4.93	0.01	58951	298.9 -> 99.0	42.8	28.3	52.5



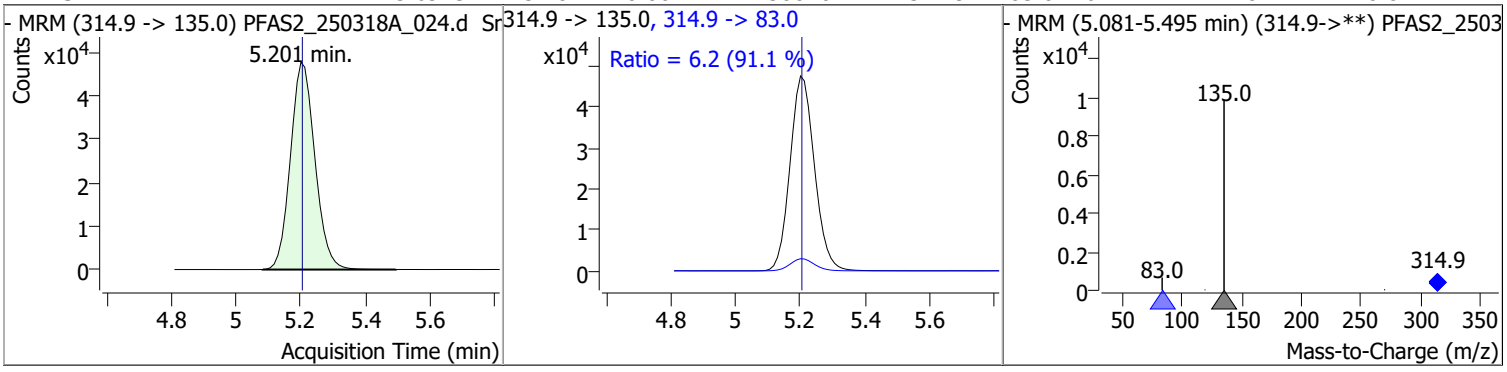
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9871	5.09	0.01	150625	287.0 -> 185.0	35.1	29.4	54.6



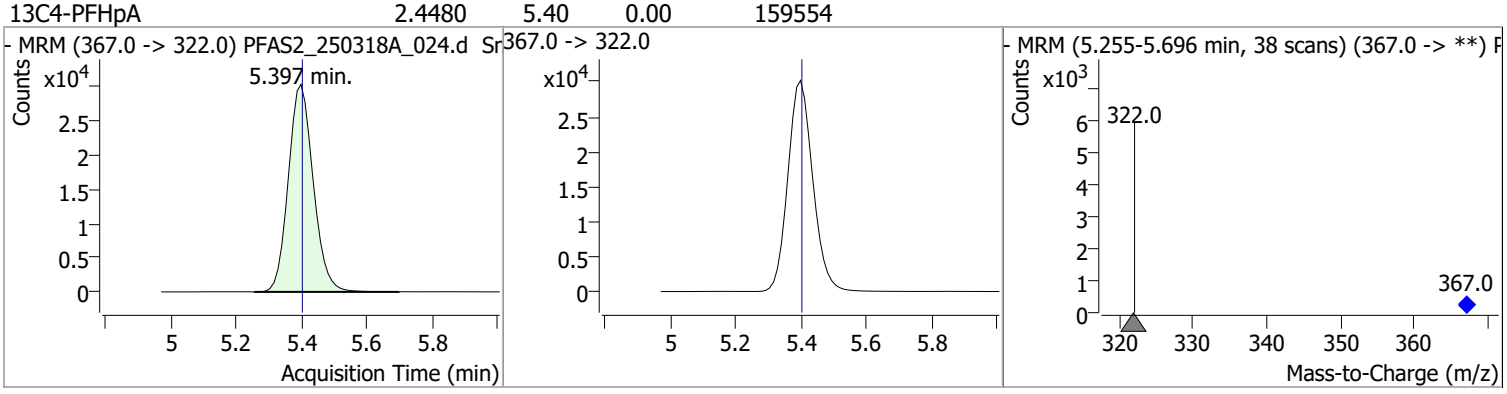
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	4.0800	5.09	0.01	54524	285.0 -> 185.0	36.9	30.1	56.0



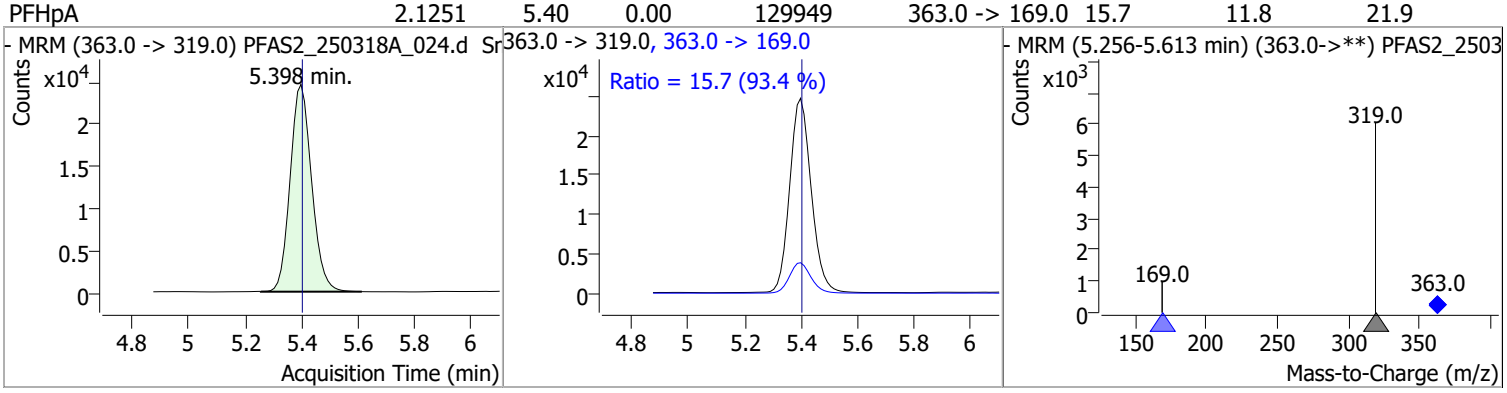
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	3.6913	5.20	0.00	250820	314.9 -> 83.0	6.2	4.8	8.8



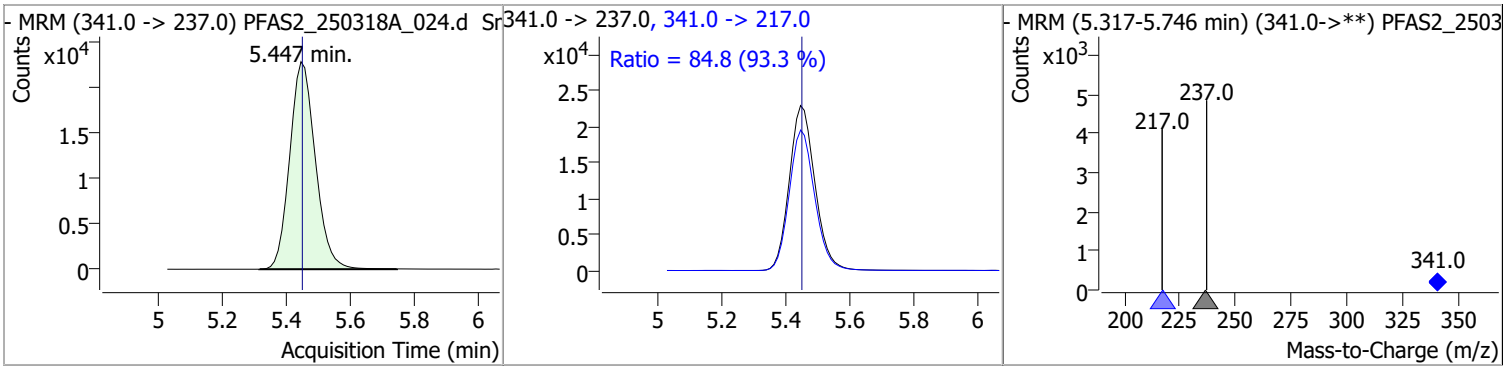
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4480	5.40	0.00	159554				



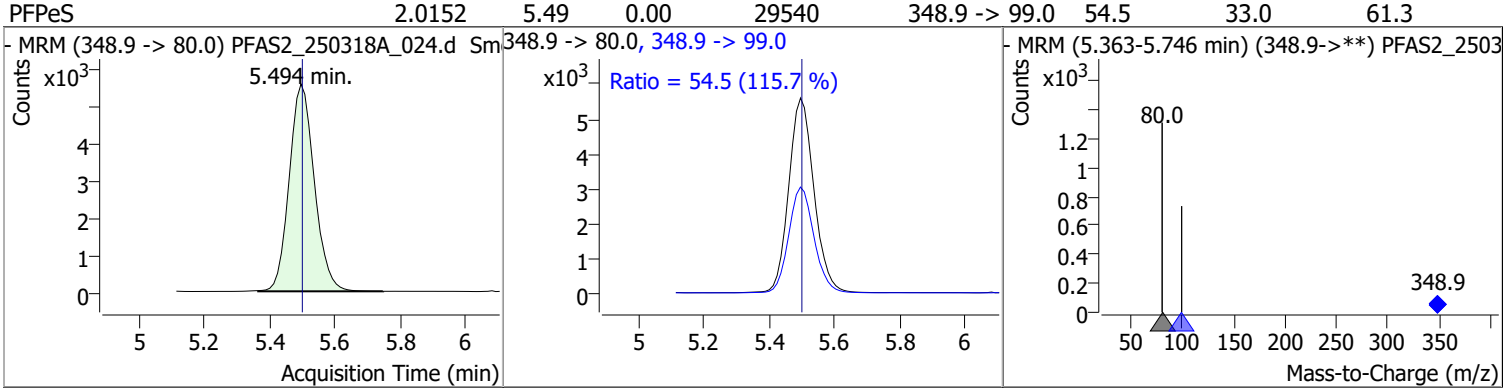
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	2.1251	5.40	0.00	129949	363.0 -> 169.0	15.7	11.8	21.9



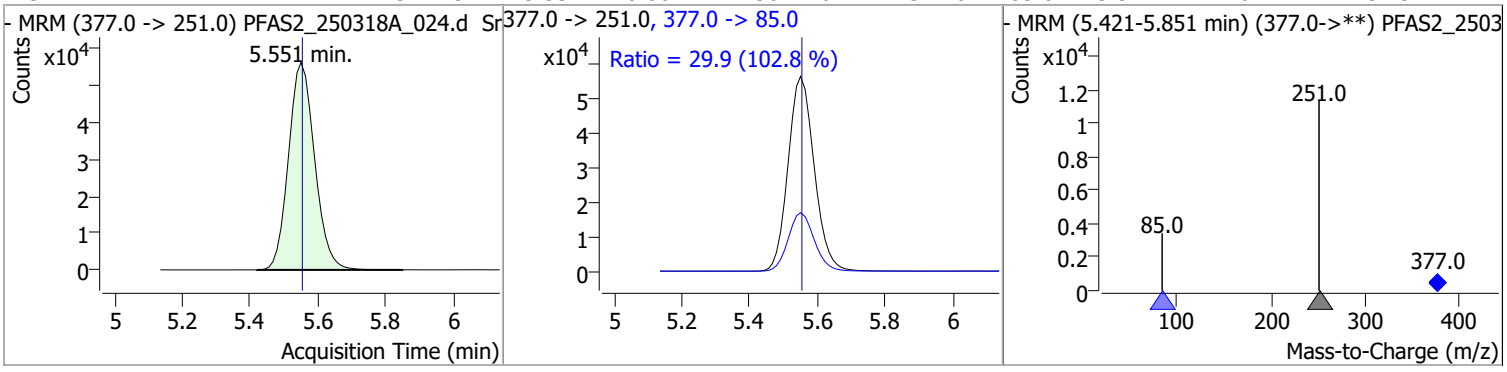
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	33.8408	5.45	0.00	126652	341.0 -> 217.0	84.8	63.6	118.1



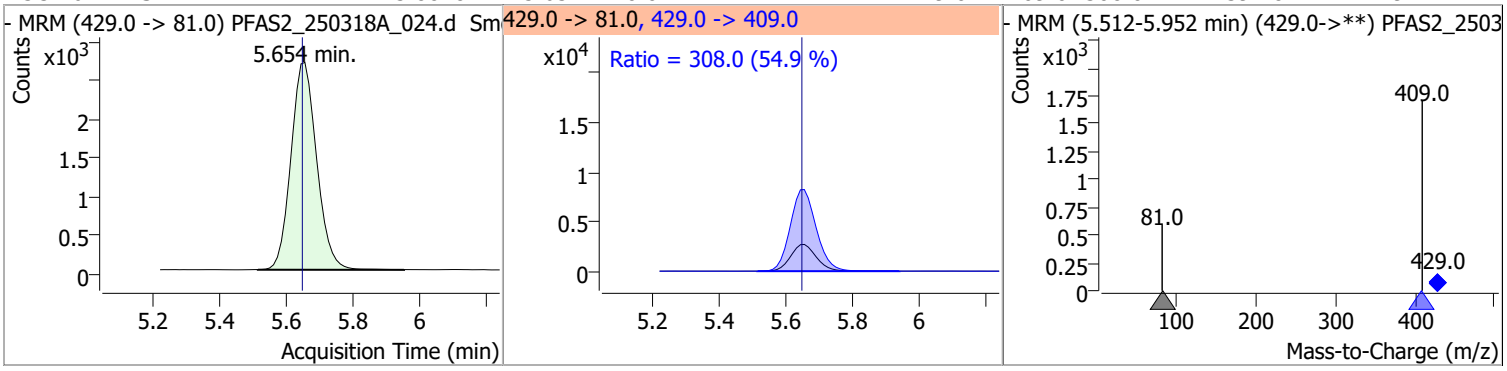
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	2.0152	5.49	0.00	29540	348.9 -> 99.0	54.5	33.0	61.3



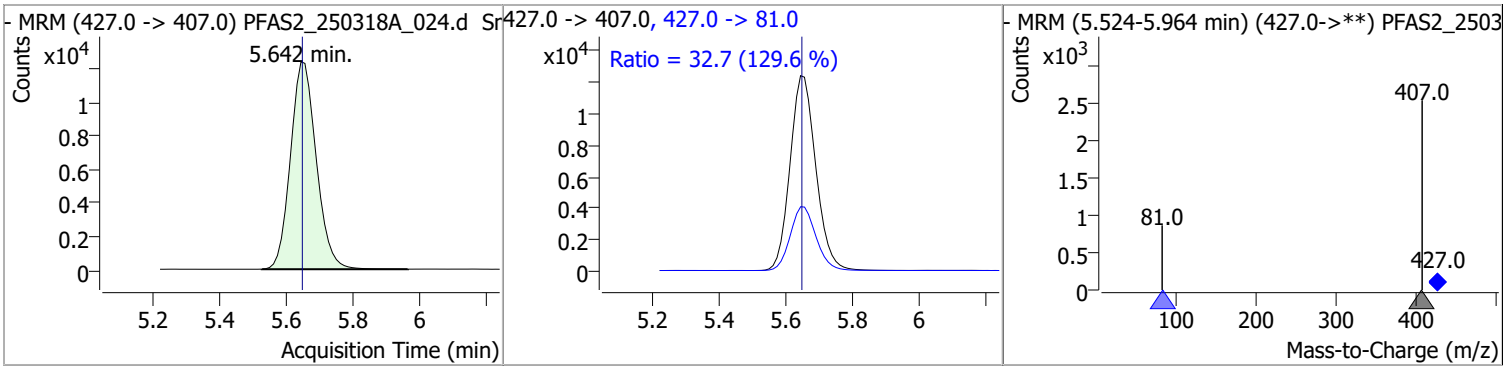
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	3.4479	5.55	0.00	301276	377.0 -> 85.0	29.9	20.4	37.9



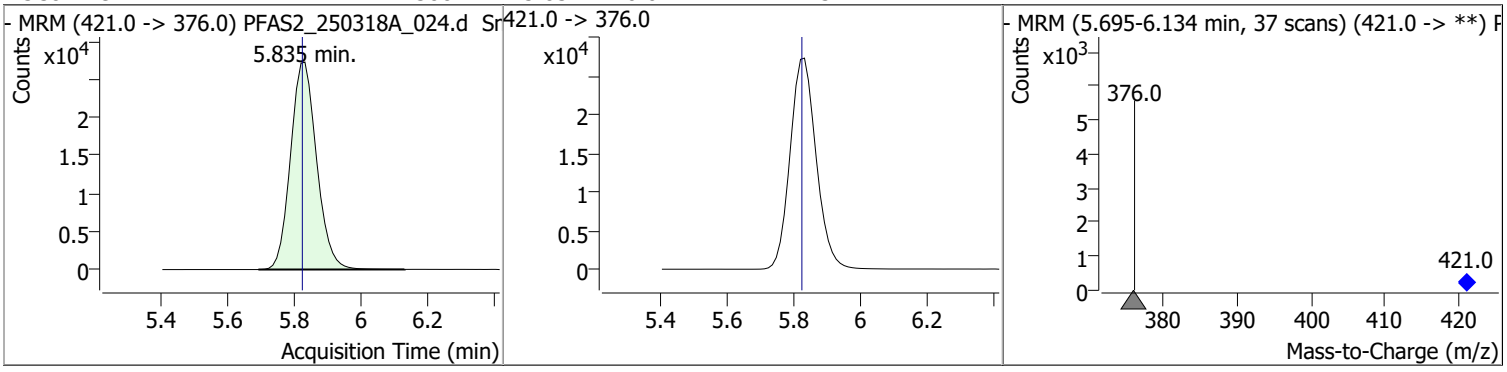
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8818	5.65	0.01	14471	429.0 -> 409.0	308.0	392.8	729.4



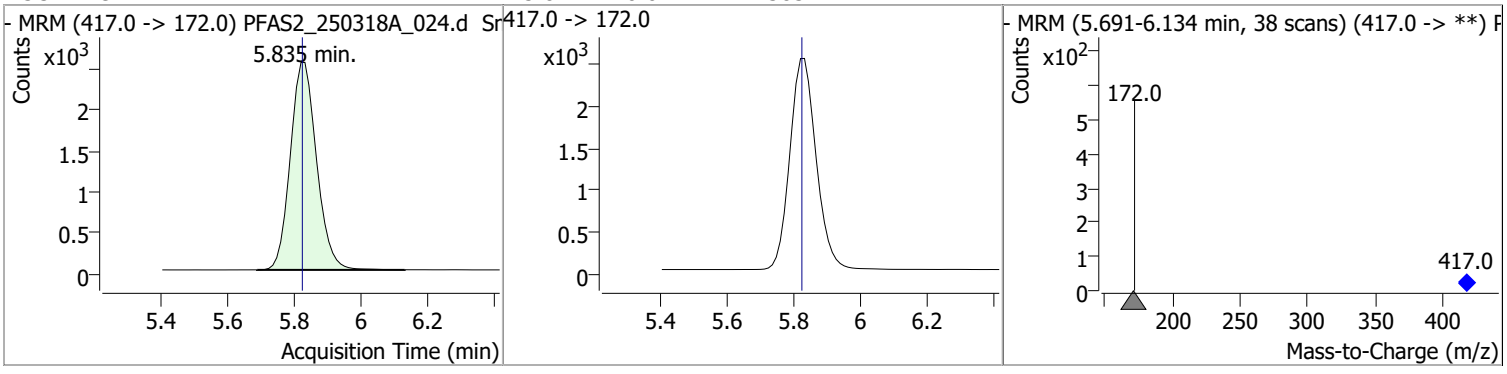
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	6.6483	5.64	0.00	66767	427.0 -> 81.0	32.7	17.7	32.8



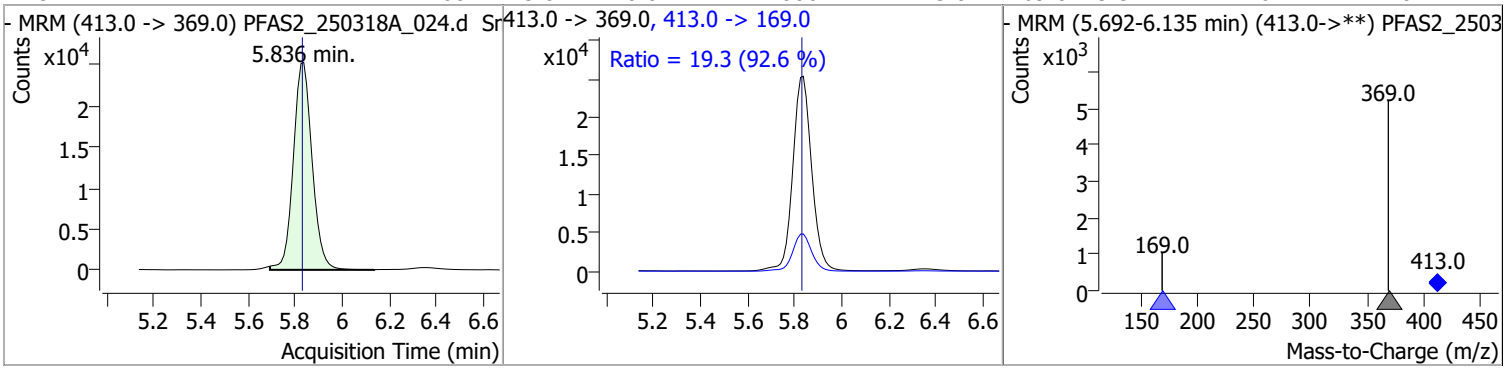
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3881	5.83	0.01	147713				



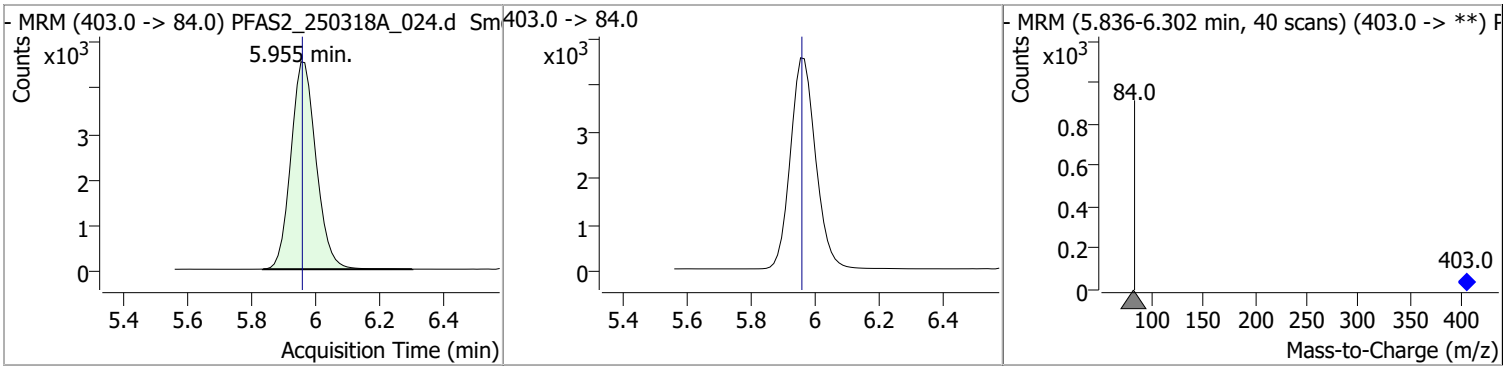
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	13831				



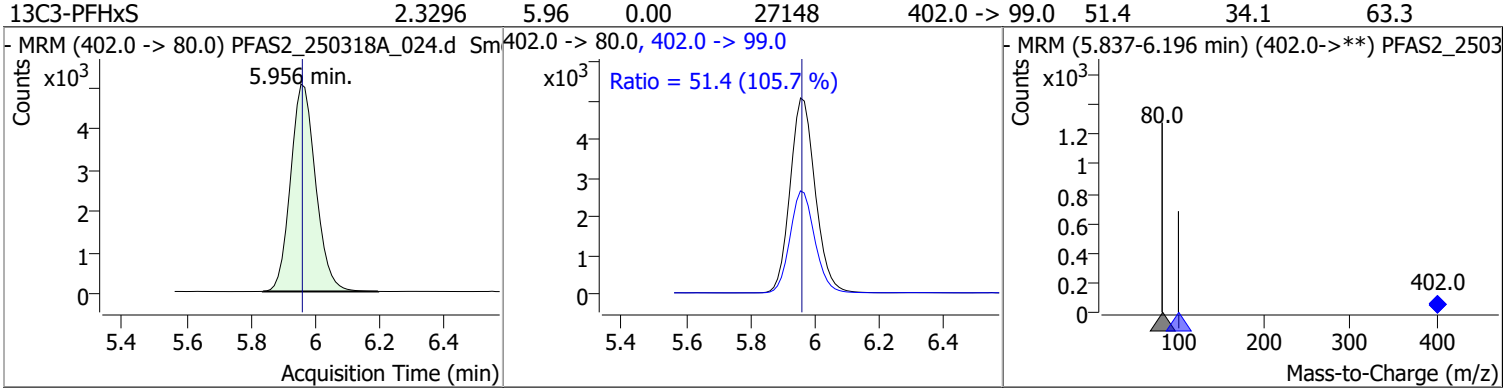
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	2.4268	5.84	0.01	140082	413.0 -> 169.0	19.3	14.6	27.0



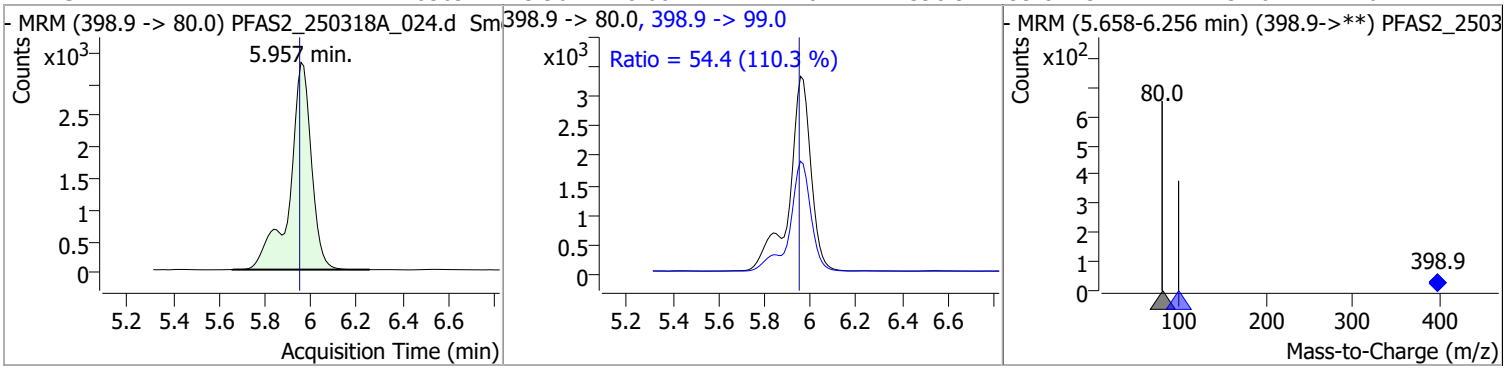
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	24707				



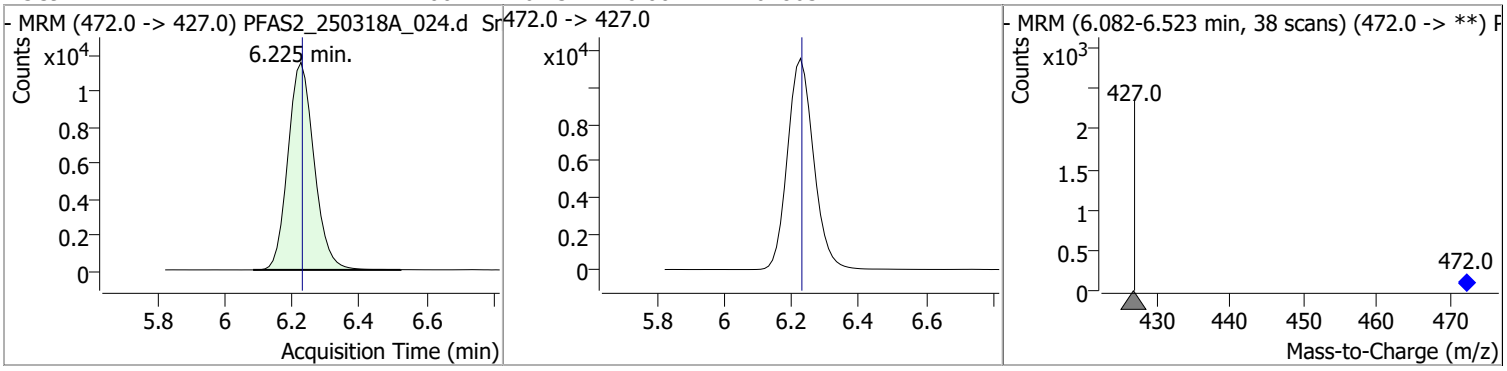
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3296	5.96	0.00	27148	402.0 -> 99.0	51.4	34.1	63.3



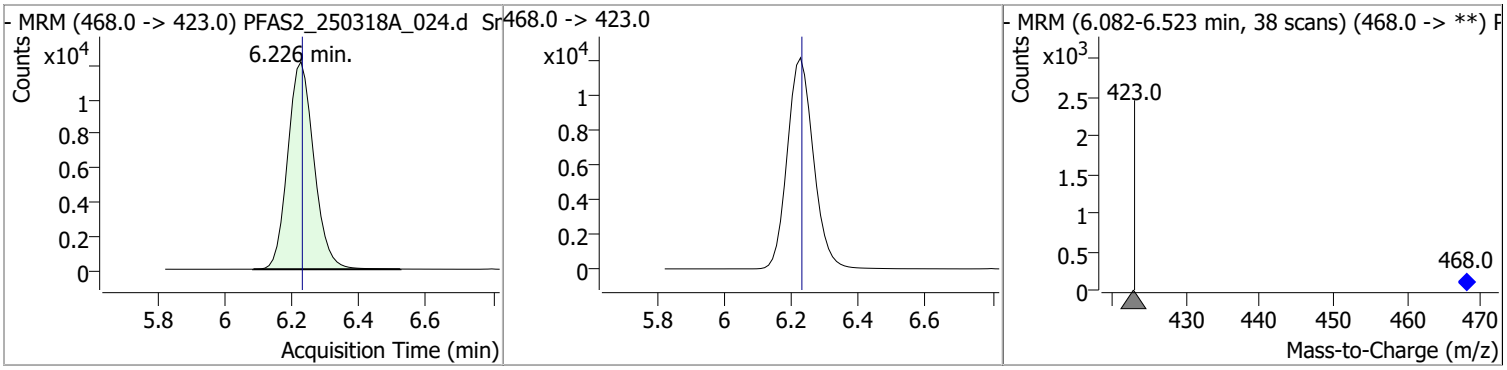
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	2.0569	5.96	0.00	21720	398.9 -> 99.0	54.4	34.6	64.2



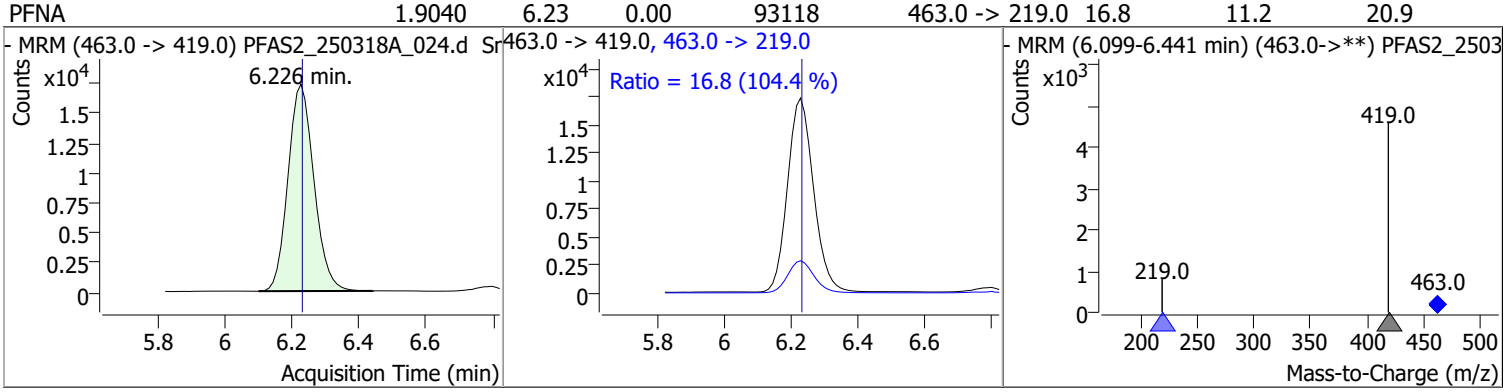
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2004	6.23	0.00	62863				



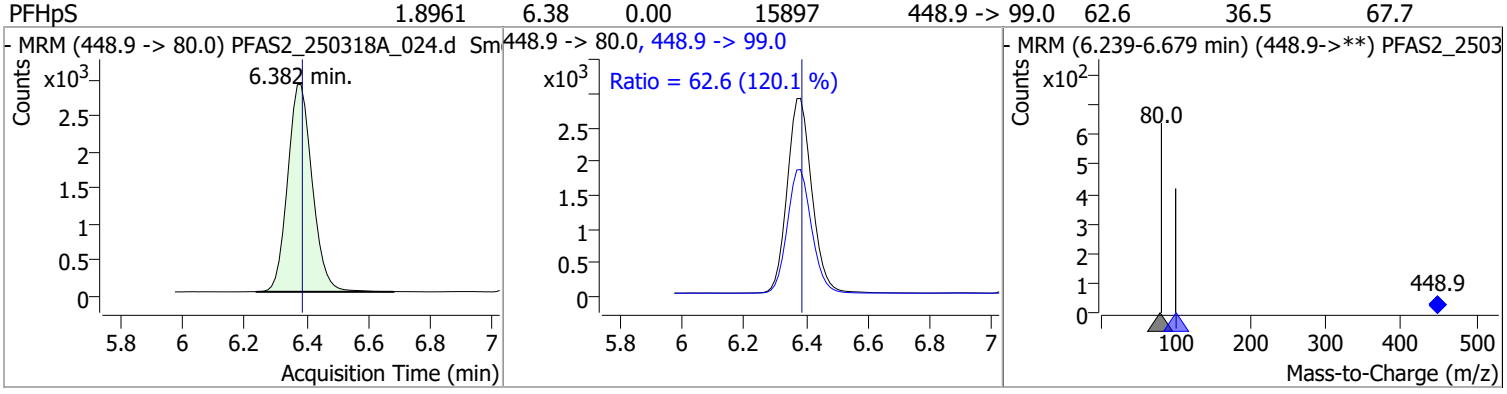
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	66087				



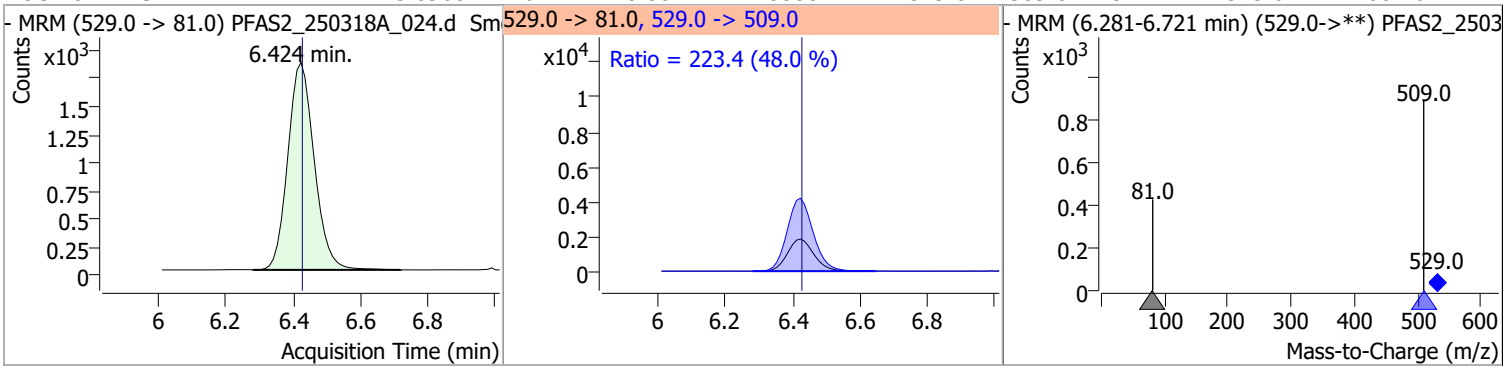
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	1.9040	6.23	0.00	93118	463.0 -> 219.0	16.8	11.2	20.9



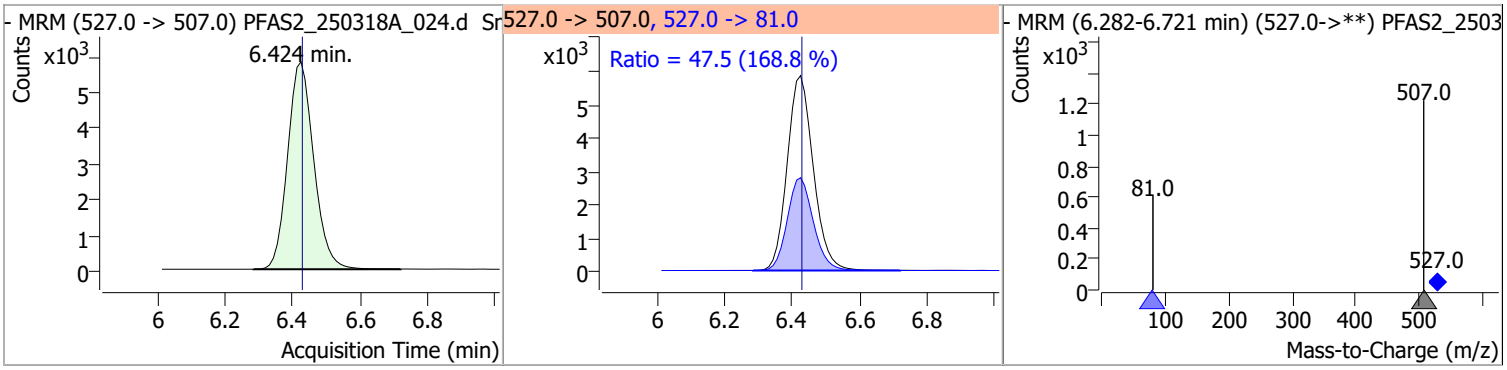
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	1.8961	6.38	0.00	15897	448.9 -> 99.0	62.6	36.5	67.7



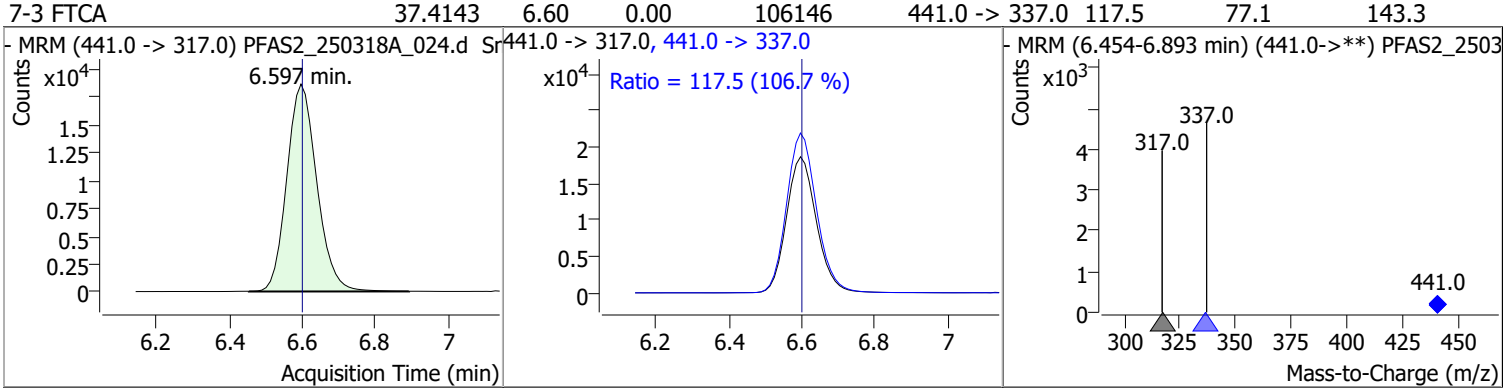
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0960	6.42	0.00	10080	529.0 -> 509.0	223.4	325.6	604.6



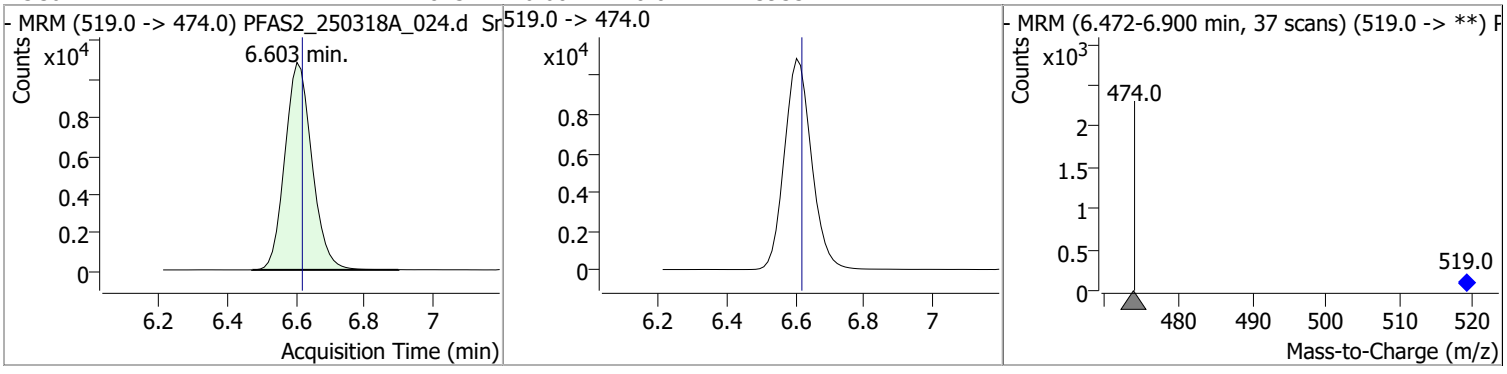
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	6.9612	6.42	0.00	31521	527.0 -> 81.0	47.5	19.7	36.6



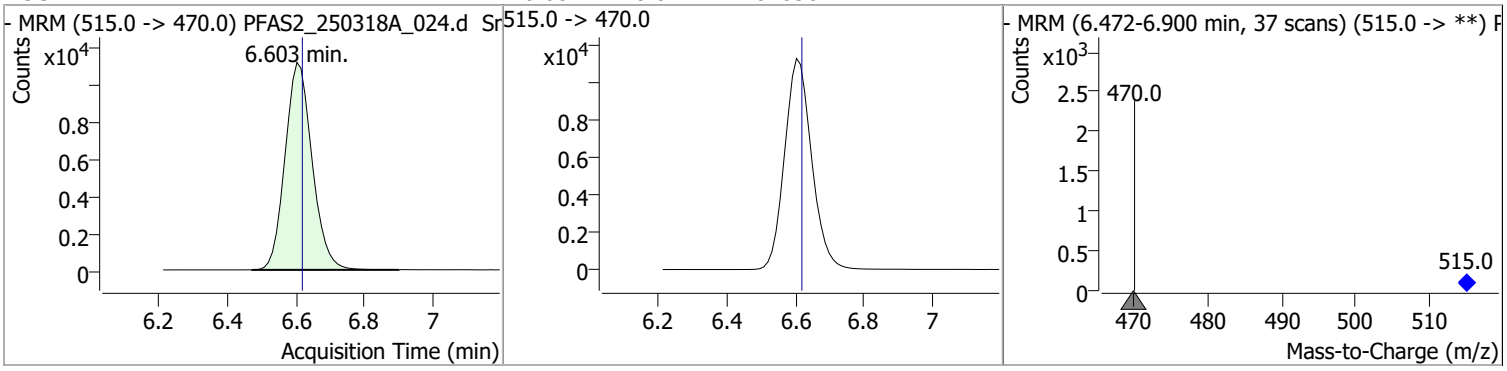
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	37.4143	6.60	0.00	106146	441.0 -> 337.0	117.5	77.1	143.3



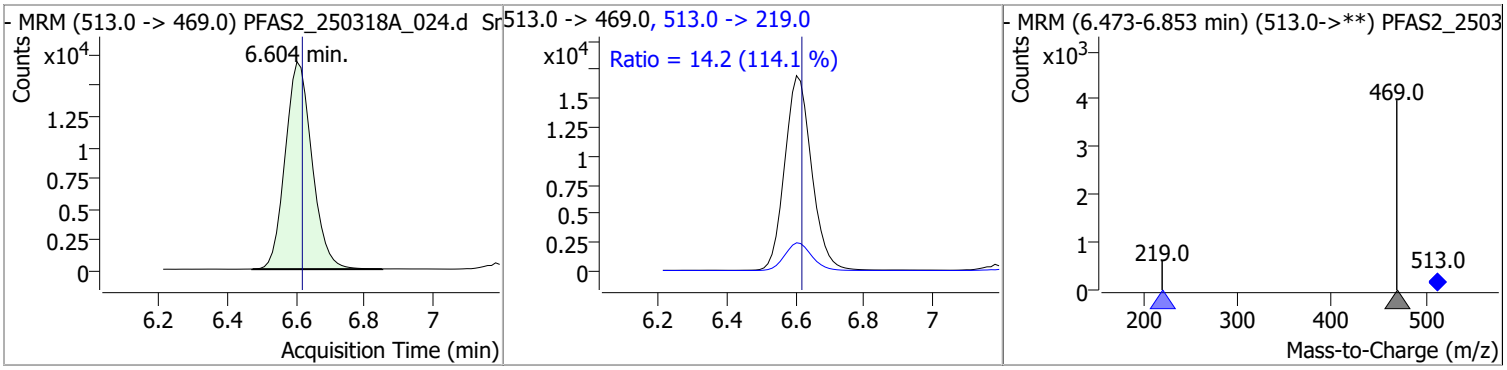
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1873	6.60	-0.01	59552				



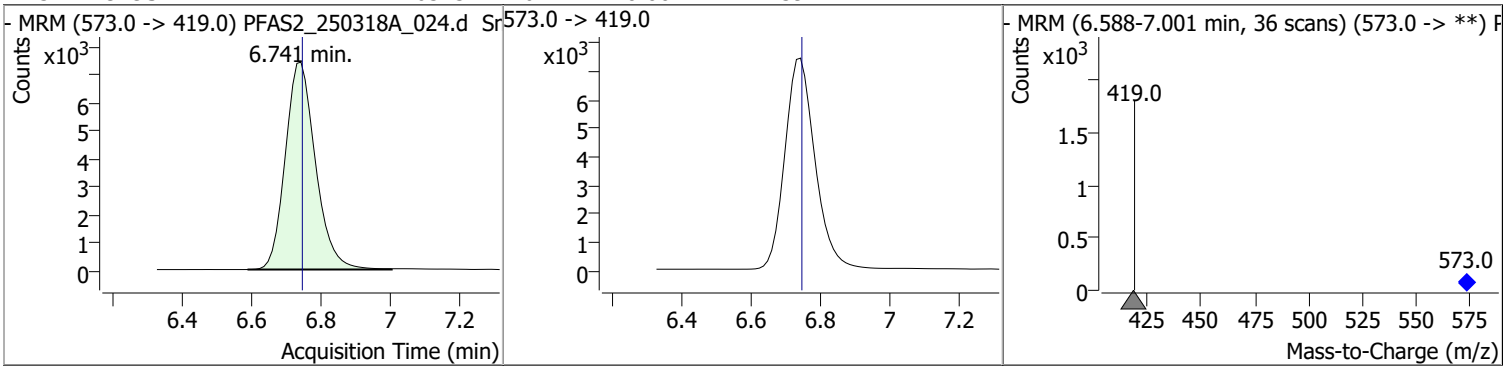
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	61636				



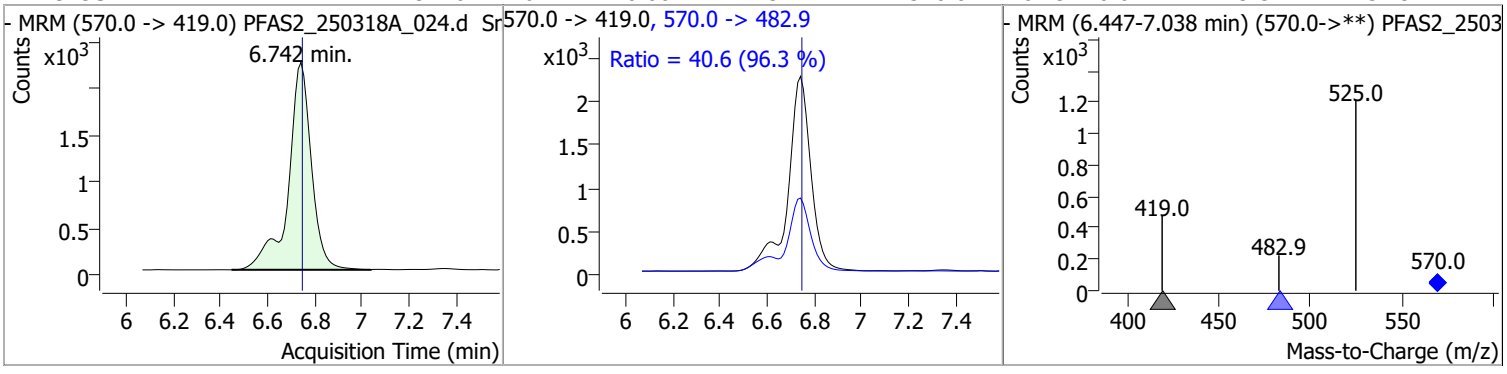
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	2.1039	6.60	-0.01	91970	513.0 -> 219.0	14.2	8.7	16.2



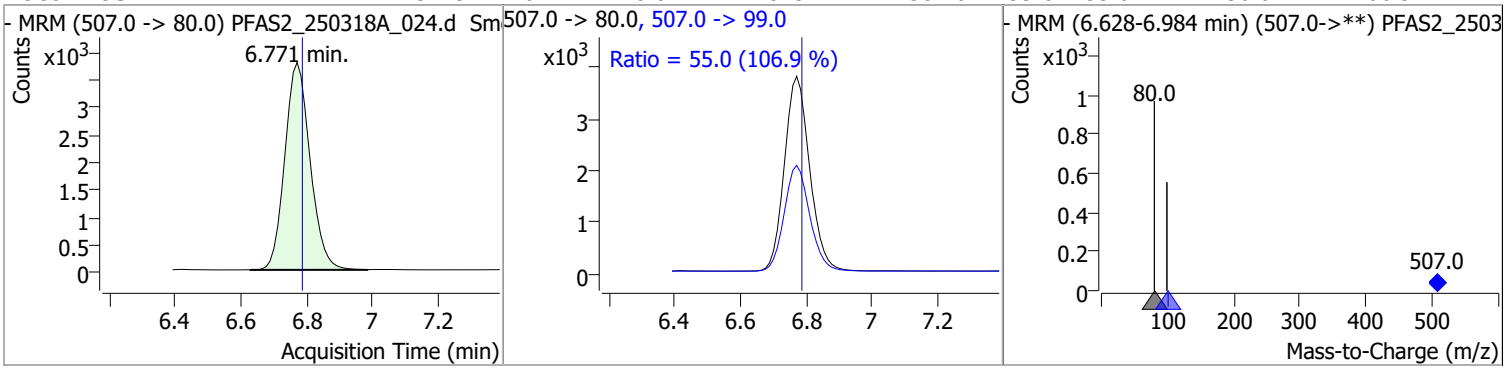
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6313	6.74	0.00	44591				



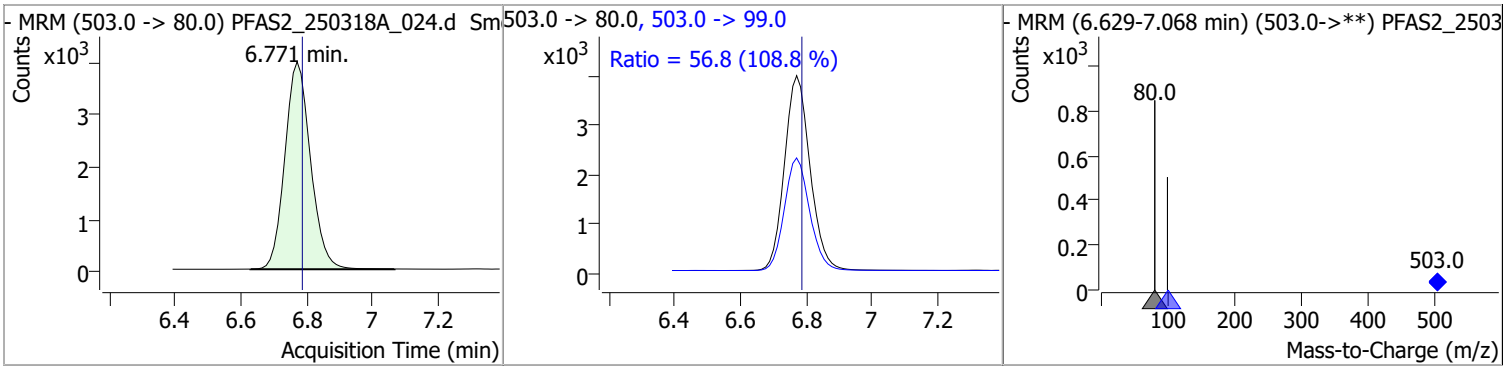
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	1.9426	6.74	0.00	15272	570.0 -> 482.9	40.6	29.5	54.9



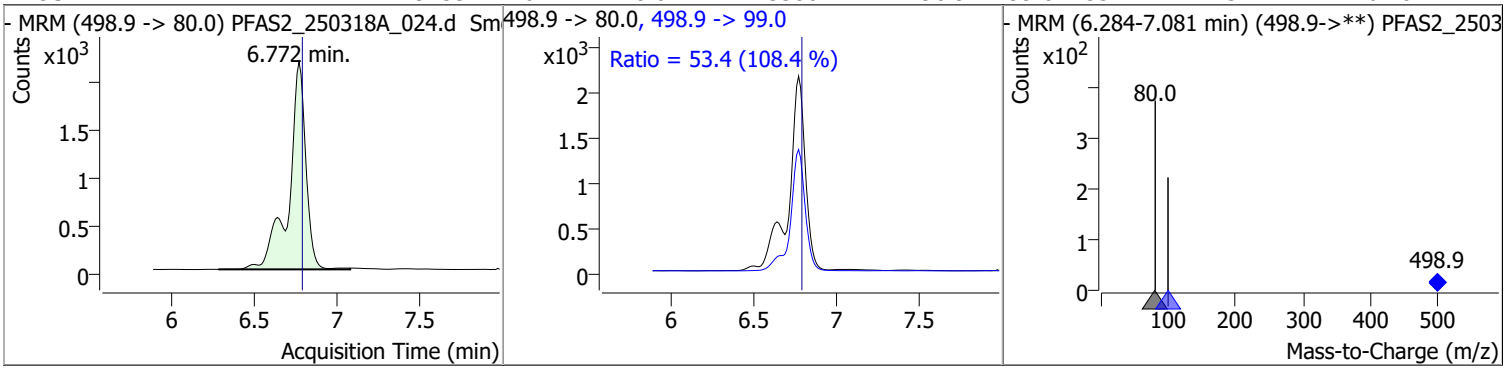
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3145	6.77	-0.01	20157	507.0 -> 99.0	55.0	36.0	66.9



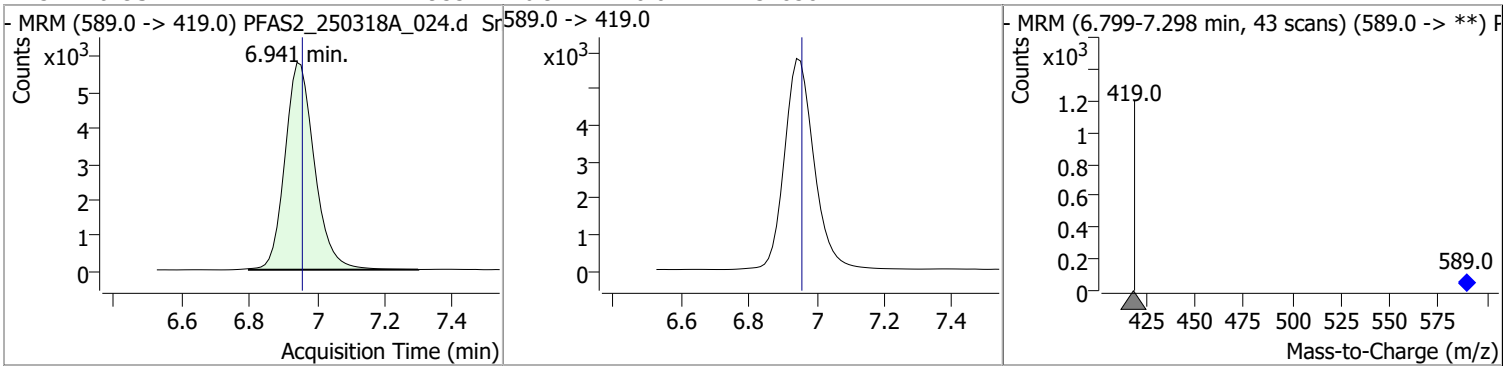
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21458	503.0 -> 99.0	56.8	36.6	67.9



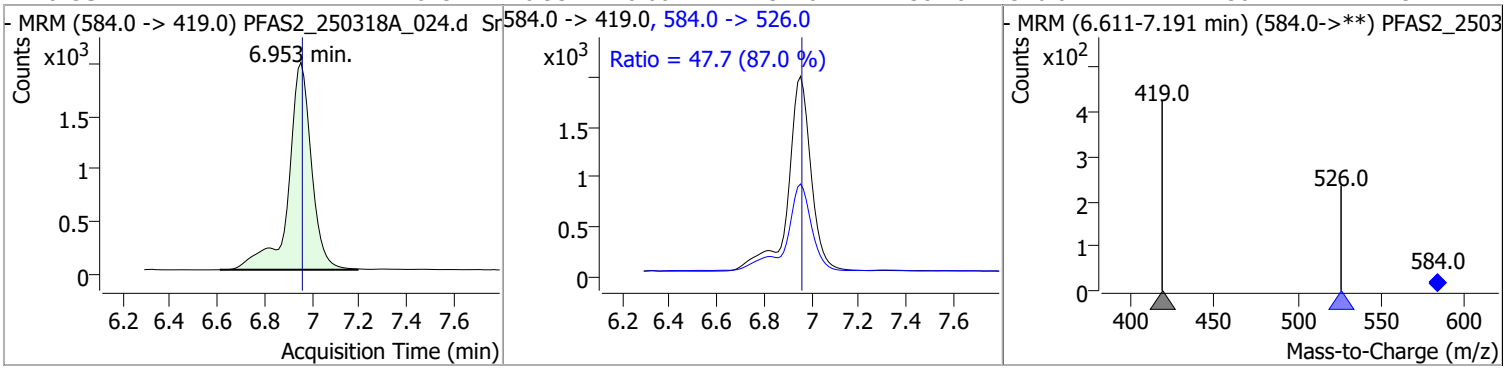
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	1.9255	6.77	-0.01	15388	498.9 -> 99.0	53.4	34.4	64.0



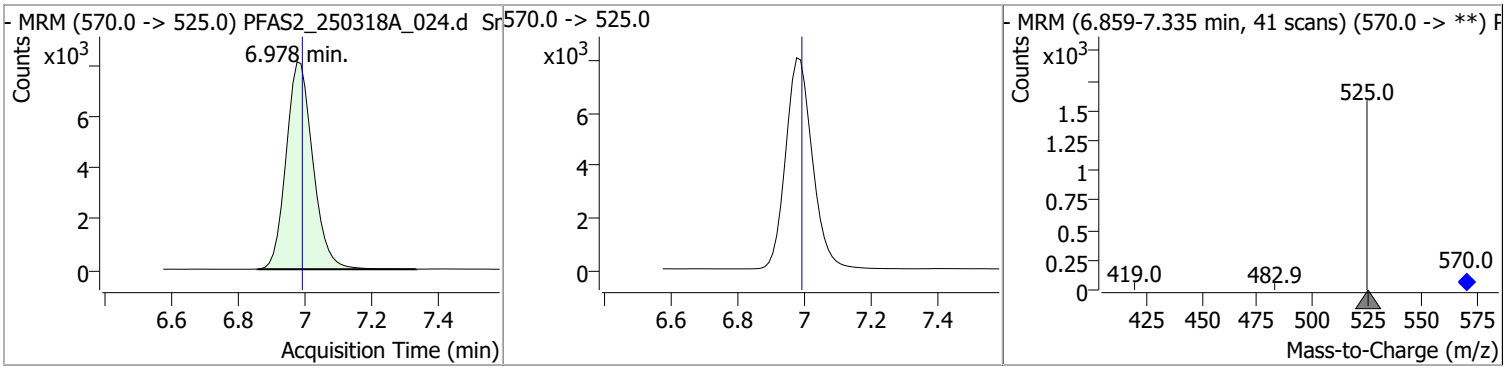
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7955	6.94	-0.01	34858				



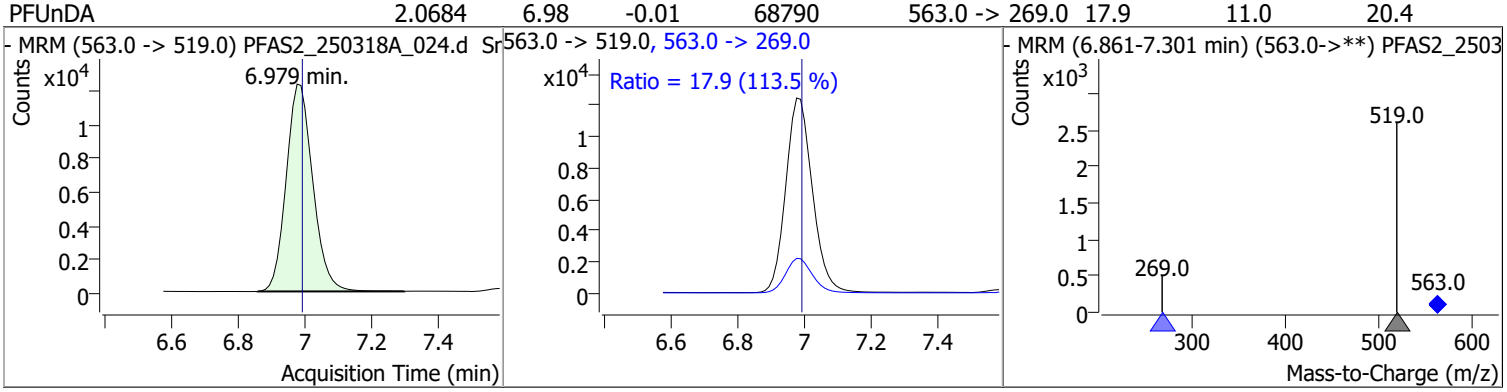
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	2.0151	6.95	0.00	13220	584.0 -> 526.0	47.7	38.4	71.3



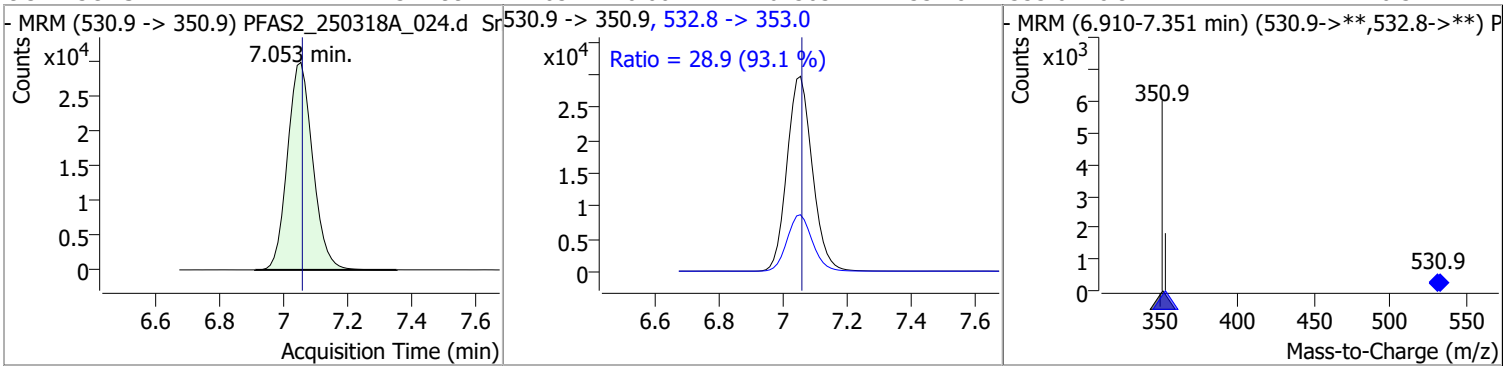
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1368	6.98	-0.01	44937				



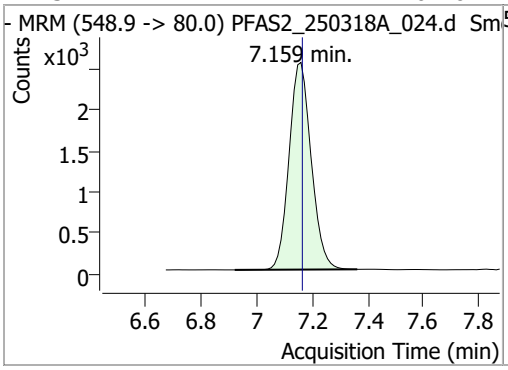
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	2.0684	6.98	-0.01	68790	563.0 -> 269.0	17.9	11.0	20.4

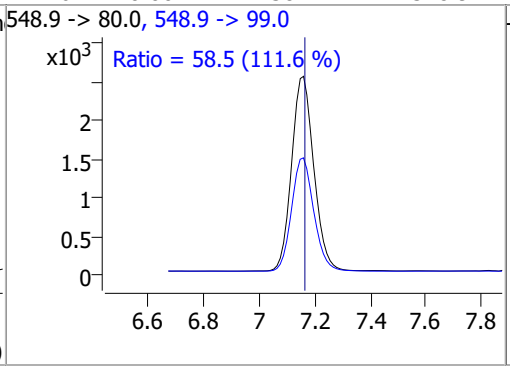


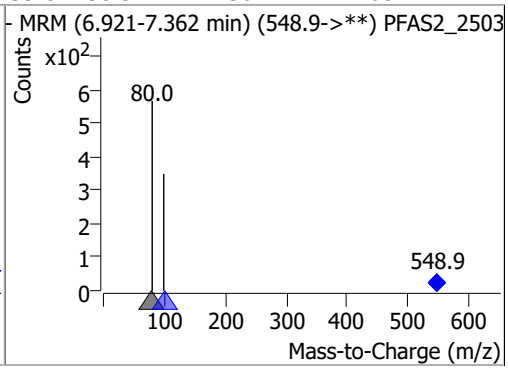
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	3.4799	7.05	0.00	162503	532.8 -> 353.0	28.9	21.7	40.3



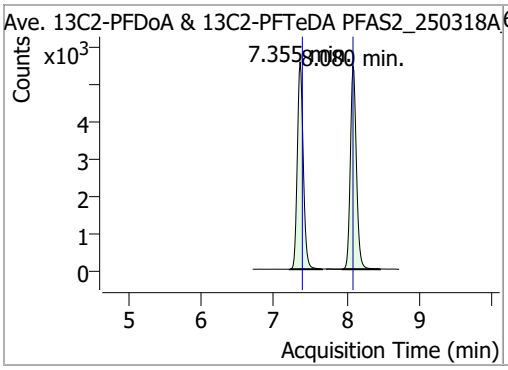
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	2.0178	7.16	0.00	13874	548.9 -> 99.0	58.5	36.7	68.1

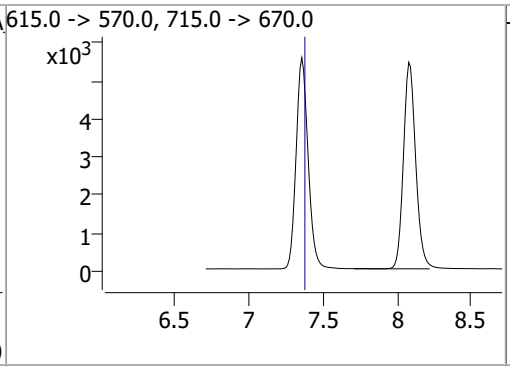


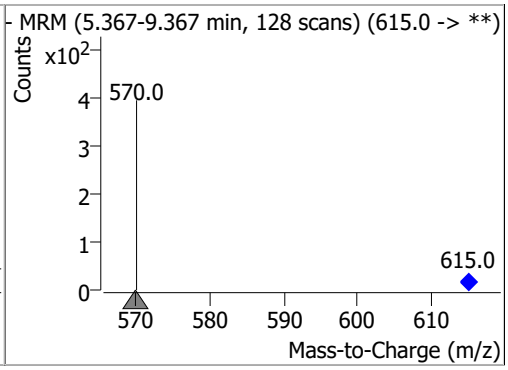




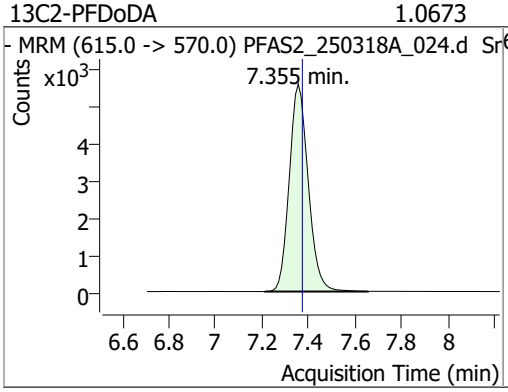
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9661	7.72	0.35	31475				

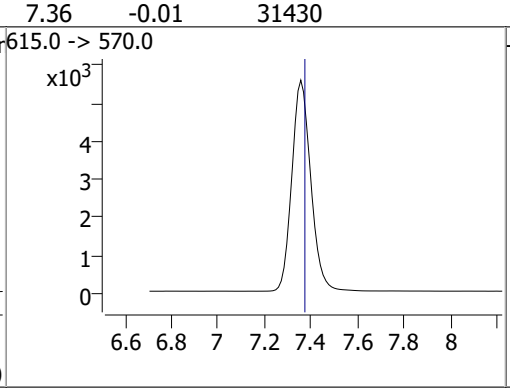


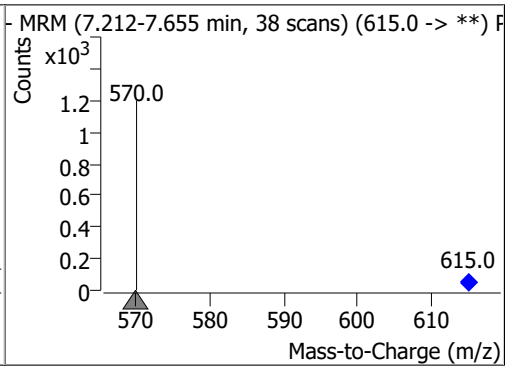




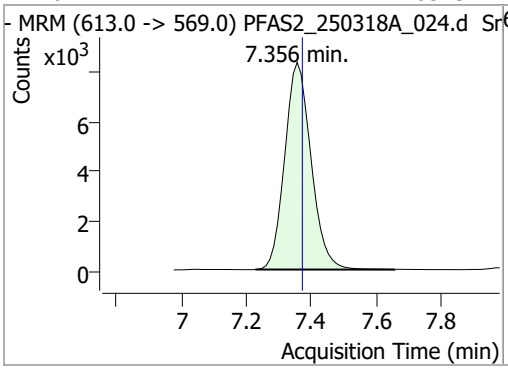
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0673	7.36	-0.01	31430				

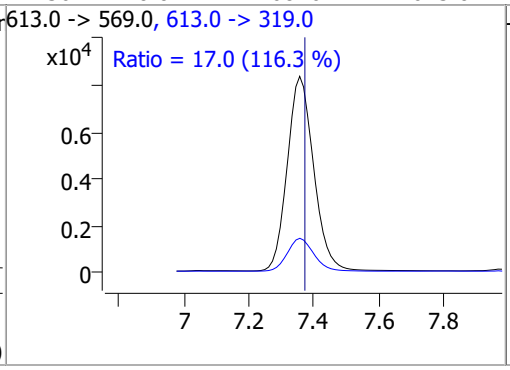


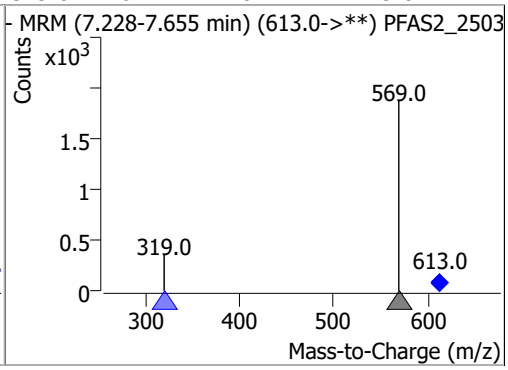




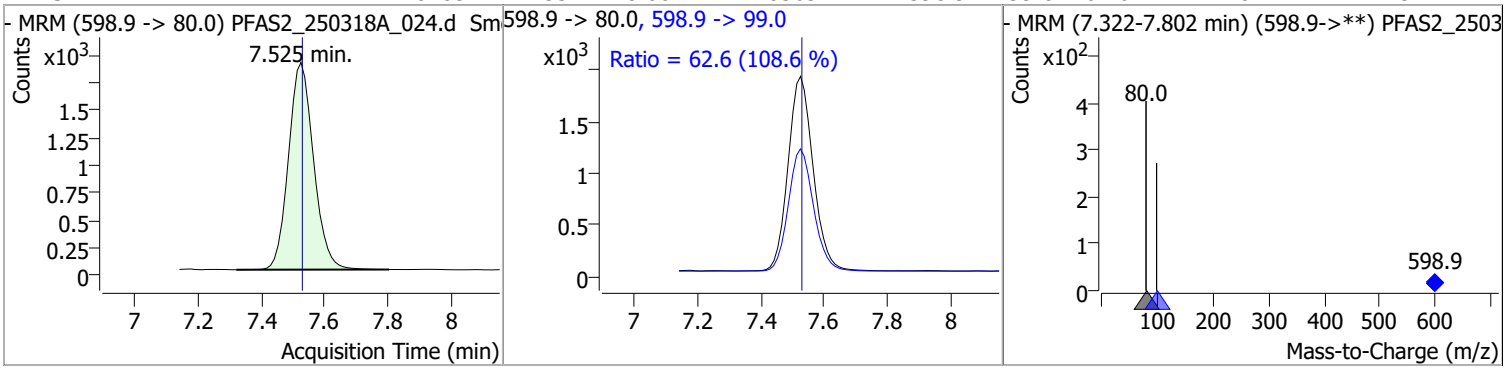
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	2.0323	7.36	-0.01	46826	613.0 -> 319.0	17.0	10.2	19.0



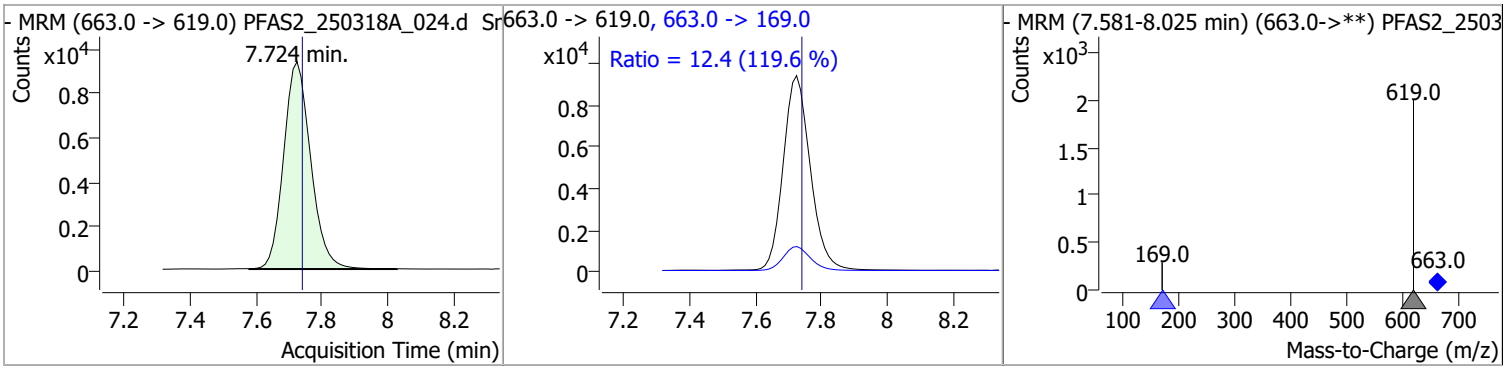




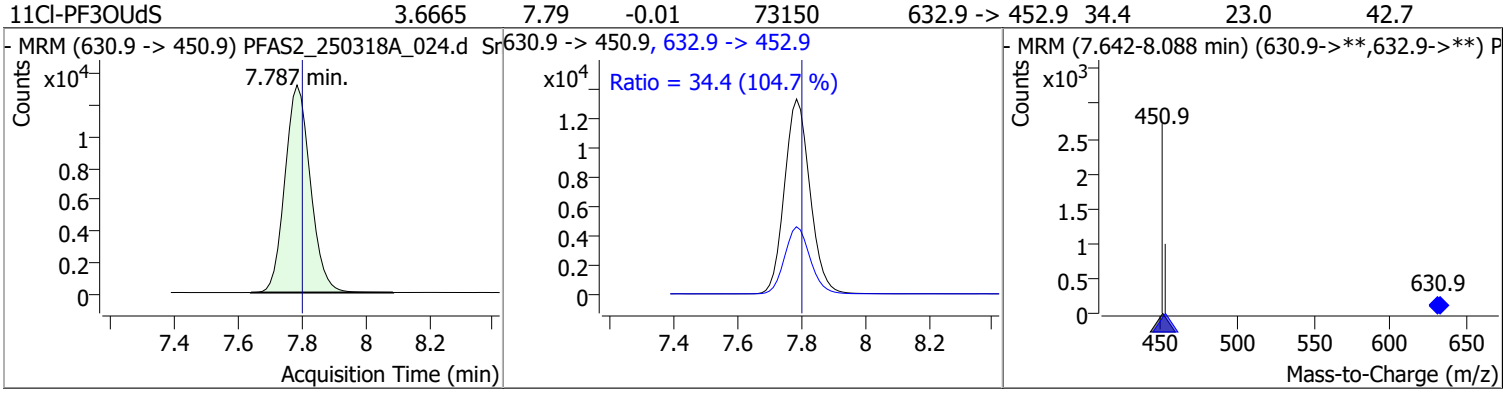
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	2.0183	7.53	0.00	10369	598.9 -> 99.0	62.6	40.4	74.9



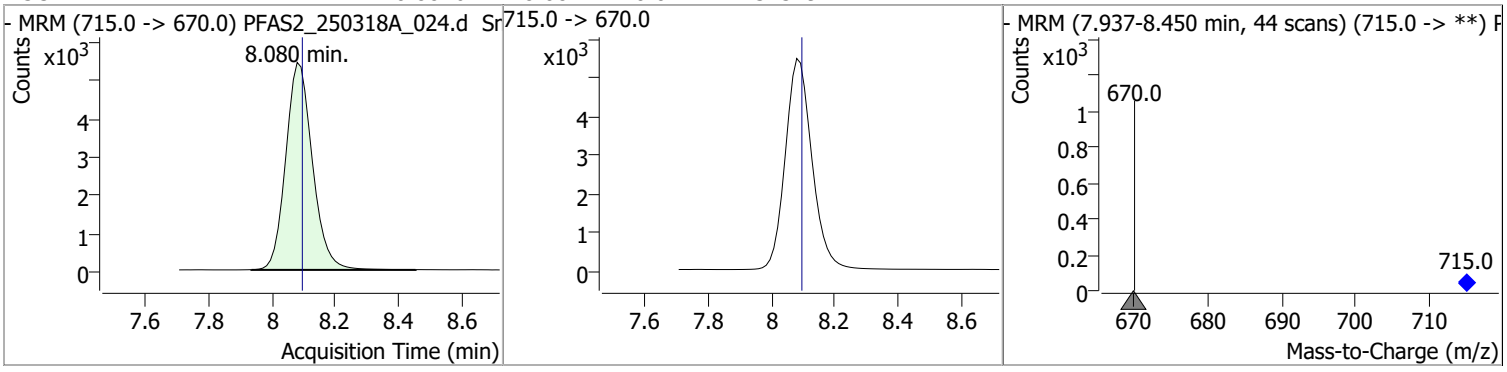
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	2.2461	7.72	-0.01	53266	663.0 -> 169.0	12.4	7.2	13.4



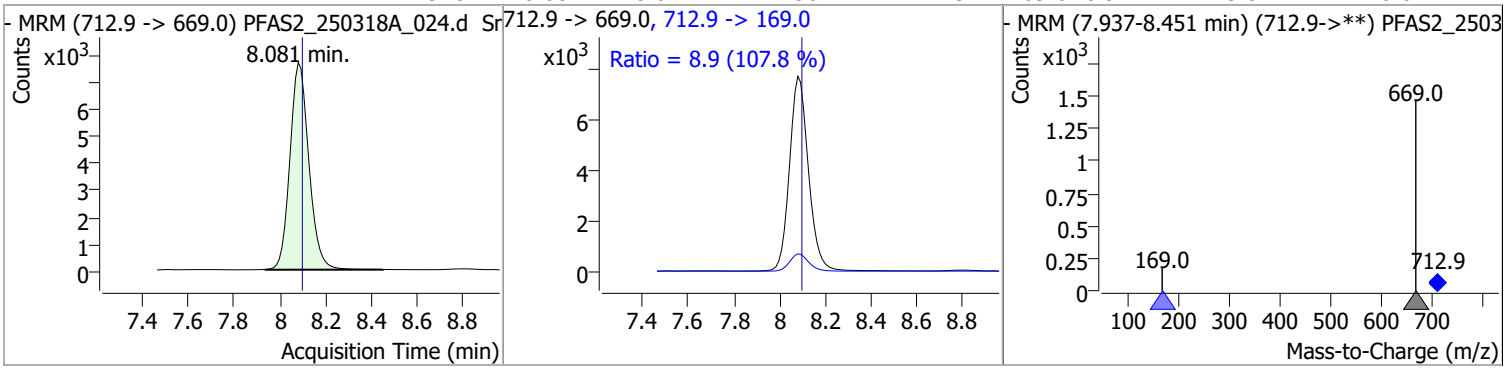
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	3.6665	7.79	-0.01	73150	632.9 -> 452.9	34.4	23.0	42.7



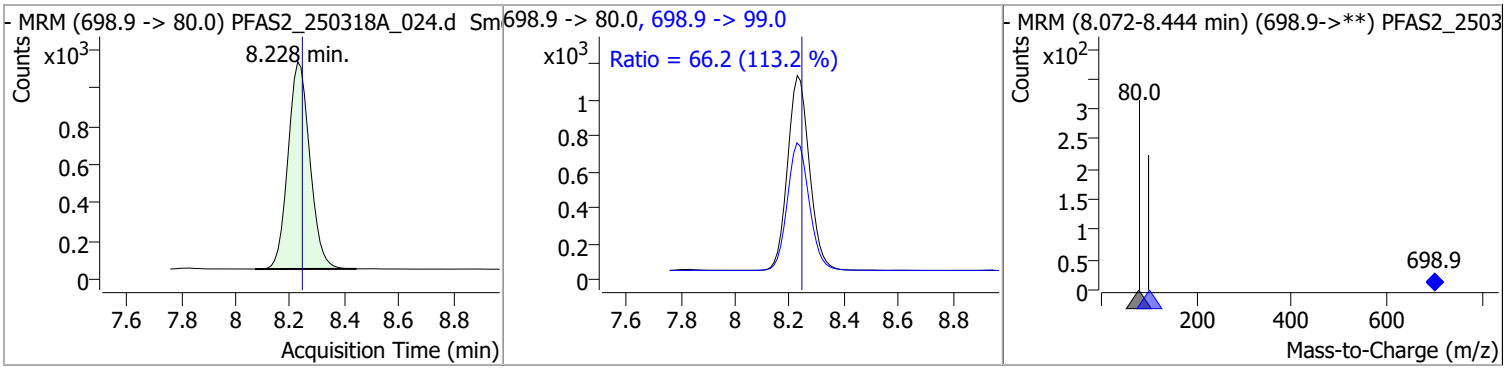
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8826	8.08	-0.01	31519				



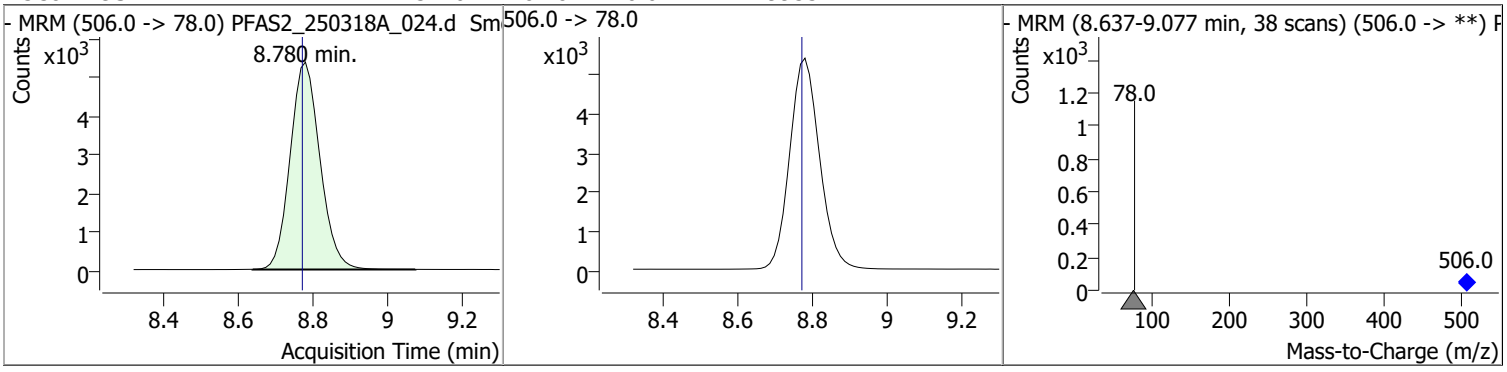
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	2.2978	8.08	-0.01	44230	712.9 -> 169.0	8.9	5.8	10.8



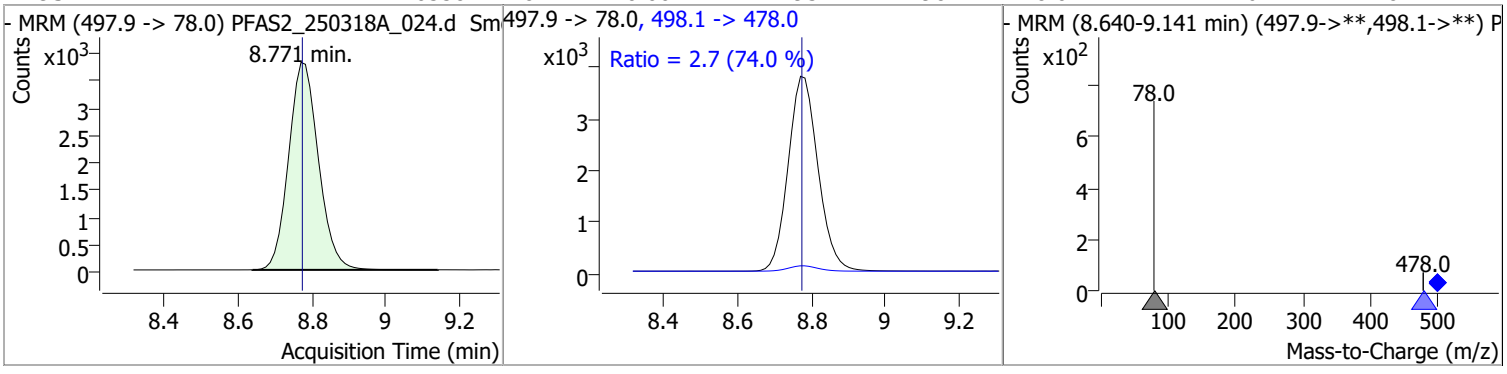
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	1.6724	8.23	-0.01	6008	698.9 -> 99.0	66.2	41.0	76.1



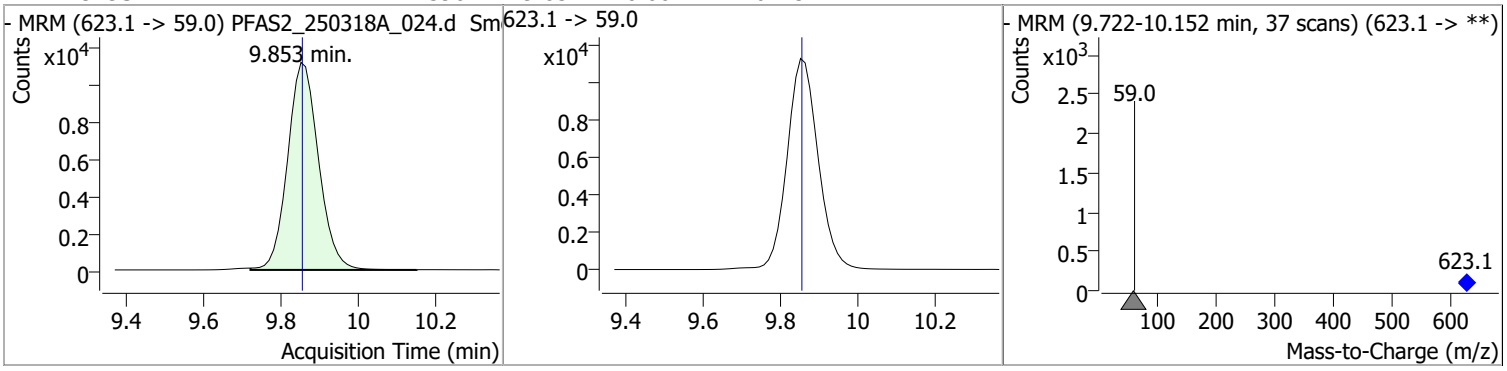
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3470	8.78	0.01	29953				



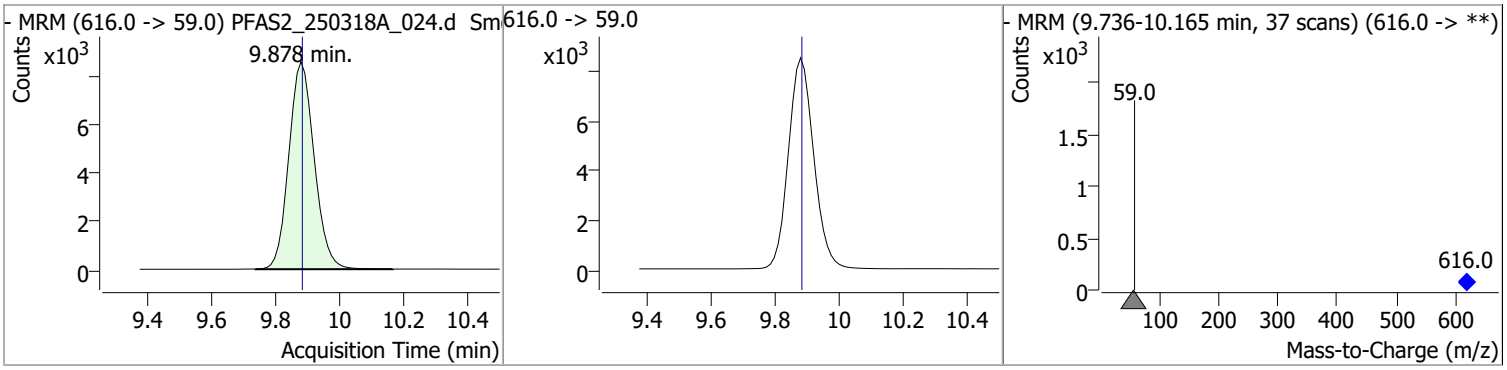
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	2.0358	8.77	0.00	21193	498.1 -> 478.0	2.7	2.6	4.8



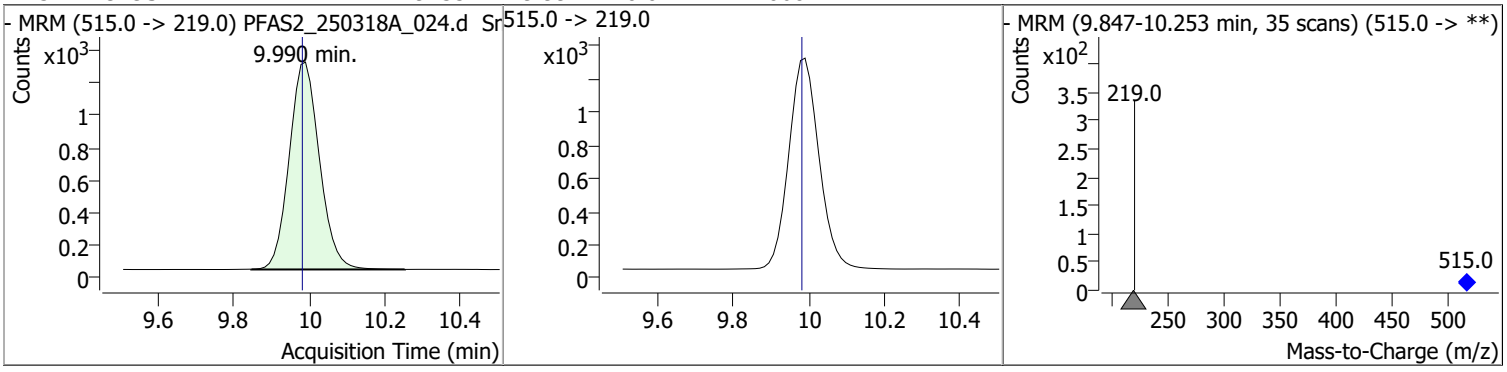
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.3907	9.85	0.00	62257				



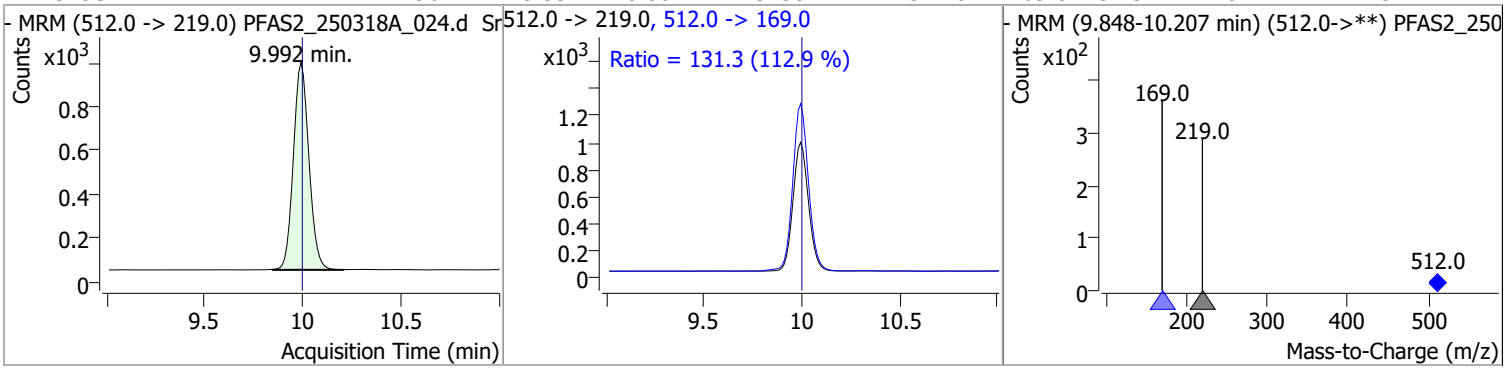
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	24.9525	9.88	0.00	46779				



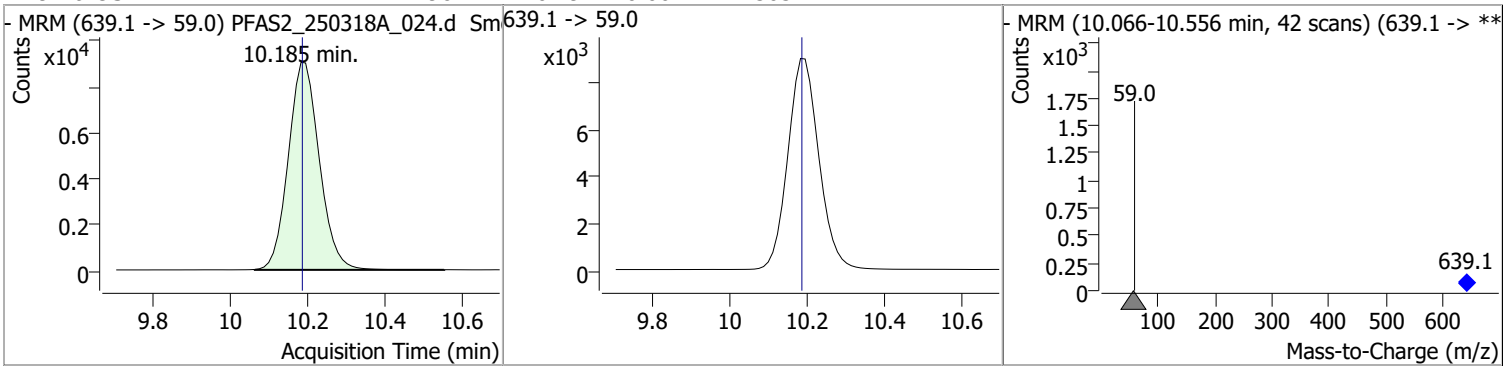
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.9735	9.99	0.01	7068				



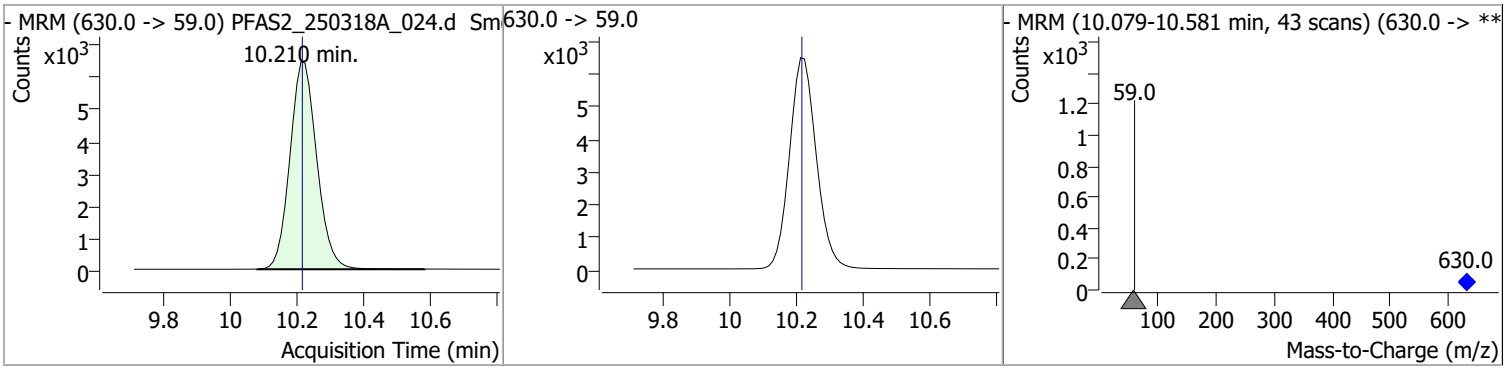
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	1.9672	9.99	0.00	5230	512.0 -> 169.0	131.3	81.4	151.2



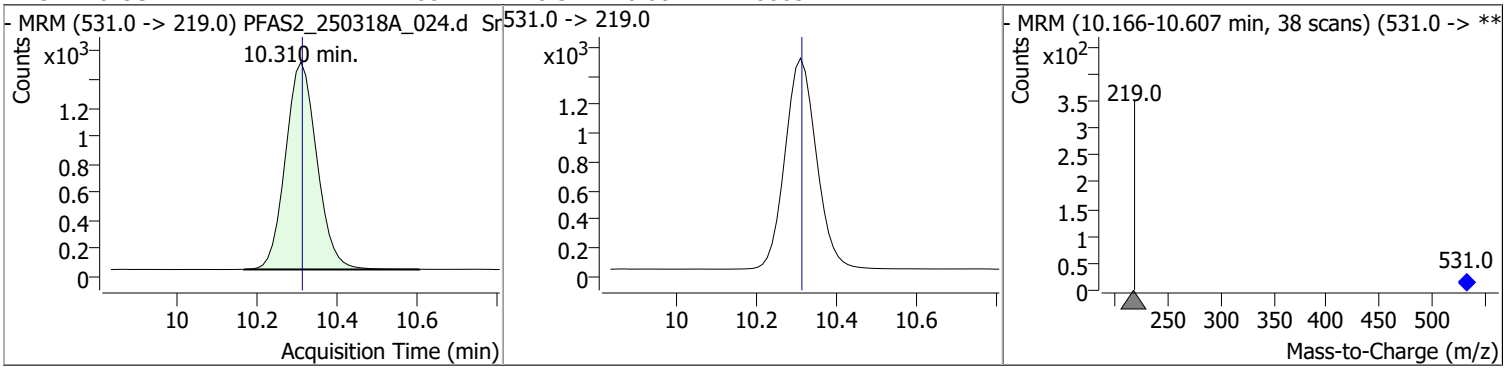
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.9817	10.19	0.00	50312				



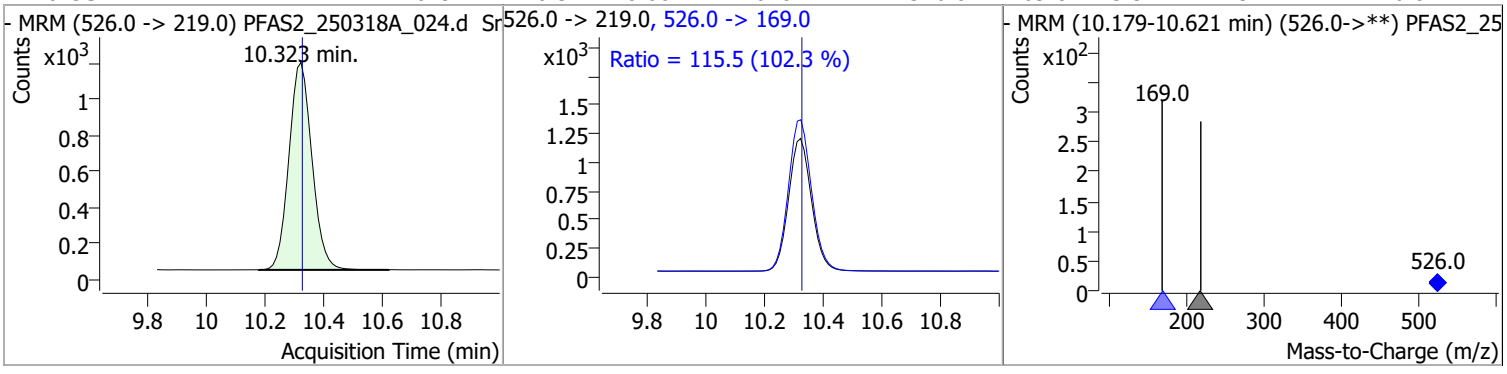
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	20.0763	10.21	0.00	36179				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0824	10.31	0.00	8065				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	2.0194	10.32	0.00	6282	526.0 -> 169.0	115.5	79.1	146.8



EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
Blank (B25C0783-BLK1) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 20:57		
13C4-PFBA	100	44	20 - 150	3.070767		3.0708	
13C5-PFPeA	50.0	92	20 - 150	4.233634		4.2336	
13C5-PFHxA	25.0	90	20 - 150	4.90095		4.9010	
13C4-PFHpA	25.0	96	20 - 150	5.397217		5.3972	
13C8-PFOA	25.0	92	20 - 150	5.82275		5.8228	
13C9-PFNA	12.5	94	20 - 150	6.225217		6.2252	
13C6-PFDA	12.5	98	20 - 150	6.614767		6.6148	
13C7-PFUnA	12.5	98	20 - 150	6.989767		6.9898	
13C2-PFDoA	12.5	100	20 - 150	7.367283		7.3673	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	83	20 - 150	7.729434		7.7294	
13C2-PFTeDA	12.5	69	20 - 150	8.091583		8.0916	
13C3-PFBS	25.0	87	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.0	91	20 - 150	5.956		5.9560	
13C8-PFOS	25.0	97	20 - 150	6.770583		6.7706	
13C2-4:2FTS	50.0	120	20 - 150	4.70915		4.7092	
13C2-6:2FTS	50.0	112	20 - 150	5.653783		5.6538	
13C2-8:2FTS	50.0	104	20 - 150	6.423767		6.4238	
13C8-PFOSA	25.0	100	20 - 150	8.779533		8.7795	
D3-NMeFOSA	25.0	98	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	95	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	103	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	50.0	102	20 - 150	6.9524		6.9524	
D7-NMeFOSE	250	56	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	89	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	100	97	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25C0783-BS1) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 21:14		
13C4-PFBA	100	43	20 - 150	3.070767		3.0708	
13C5-PFPeA	50.0	98	20 - 150	4.233634		4.2336	
13C5-PFHxA	25.0	94	20 - 150	4.90095		4.9010	
13C4-PFHpA	25.0	104	20 - 150	5.397217		5.3972	
13C8-PFOA	25.0	96	20 - 150	5.822767		5.8228	
13C9-PFNA	12.5	99	20 - 150	6.225217		6.2252	
13C6-PFDA	12.5	101	20 - 150	6.614767		6.6148	
13C7-PFUnA	12.5	100	20 - 150	6.989767		6.9898	
13C2-PFDoA	12.5	97	20 - 150	7.367283		7.3673	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	84	20 - 150	7.729434		7.7294	
13C2-PFTeDA	12.5	74	20 - 150	8.091583		8.0916	
13C3-PFBS	25.0	93	20 - 150	4.9407		4.9407	
13C3-PFHxS	25.0	93	20 - 150	5.956		5.9560	
13C8-PFOS	25.0	90	20 - 150	6.770583		6.7706	
13C2-4:2FTS	50.0	119	20 - 150	4.70915		4.7092	
13C2-6:2FTS	50.0	117	20 - 150	5.653783		5.6538	
13C2-8:2FTS	50.0	100	20 - 150	6.423767		6.4238	
13C8-PFOSA	25.0	90	20 - 150	8.779533		8.7795	
D3-NMeFOSA	25.0	89	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	89	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	99	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	50.0	103	20 - 150	6.9524		6.9524	
D7-NMeFOSE	250	54	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	84	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	100	102	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25C0783-BS2) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 21:32		
13C4-PFBA	100	34	20 - 150	3.070767		3.0708	
13C5-PFPeA	50.0	92	20 - 150	4.233634		4.2336	
13C5-PFHxA	25.0	90	20 - 150	4.90095		4.9010	
13C4-PFHpA	25.0	94	20 - 150	5.397217		5.3972	
13C8-PFOA	25.0	94	20 - 150	5.822767		5.8228	
13C9-PFNA	12.5	91	20 - 150	6.225217		6.2252	
13C6-PFDA	12.5	101	20 - 150	6.614767		6.6148	
13C7-PFUnA	12.5	95	20 - 150	6.989767		6.9898	
13C2-PFDoA	12.5	105	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	92	20 - 150	7.723508		7.7235	
13C2-PFTeDA	12.5	82	20 - 150	8.091583		8.0916	
13C3-PFBS	25.0	90	20 - 150	4.9407		4.9407	
13C3-PFHxS	25.0	91	20 - 150	5.956		5.9560	
13C8-PFOS	25.0	91	20 - 150	6.770583		6.7706	
13C2-4:2FTS	50.0	107	20 - 150	4.70915		4.7092	
13C2-6:2FTS	50.0	107	20 - 150	5.653783		5.6538	
13C2-8:2FTS	50.0	99	20 - 150	6.423767		6.4238	
13C8-PFOSA	25.0	95	20 - 150	8.779533		8.7795	
D3-NMeFOSA	25.0	91	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	90	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	96	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	50.0	90	20 - 150	6.9524		6.9524	
D7-NMeFOSE	250	55	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	88	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	100	96	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
Matrix Spike (B25C0783-MS1) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 21:49		
13C4-PFBA	97.6	97	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.8	96	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.4	91	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.4	104	20 - 150	5.397217		5.3972	
13C8-PFOA	24.4	96	20 - 150	5.822767		5.8228	
13C9-PFNA	12.2	94	20 - 150	6.225217		6.2252	
13C6-PFDA	12.2	99	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.2	95	20 - 150	6.989767		6.9898	
13C2-PFDoA	12.2	93	20 - 150	7.35545		7.3555	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.2	81	20 - 150	7.71755		7.7176	
13C2-PFTeDA	12.2	71	20 - 150	8.07965		8.0797	
13C3-PFBS	24.4	94	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.4	92	20 - 150	5.956		5.9560	
13C8-PFOS	24.4	97	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.8	122	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.8	116	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.8	98	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.4	99	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.4	93	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.4	89	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.8	99	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	48.8	100	20 - 150	6.9524		6.9524	
D7-NMeFOSE	244	59	20 - 150	9.853		9.8530	
D9-NEtFOSE	244	97	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.6	95	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
Matrix Spike Dup (B25C0783-MSD1) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 22:05		
13C4-PFBA	97.5	77	20 - 150	3.058767		3.0588	
13C5-PFPeA	48.7	97	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.4	93	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.4	98	20 - 150	5.397217		5.3972	
13C8-PFOA	24.4	96	20 - 150	5.834583		5.8346	
13C9-PFNA	12.2	96	20 - 150	6.225217		6.2252	
13C6-PFDA	12.2	95	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.2	91	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.2	85	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.2	77	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.2	71	20 - 150	8.07965		8.0797	
13C3-PFBS	24.4	94	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.4	93	20 - 150	5.956		5.9560	
13C8-PFOS	24.4	93	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.7	125	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.7	118	20 - 150	5.653783		5.6538	
13C2-8:2FTS	48.7	102	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.4	94	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.4	79	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.4	83	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.7	93	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	48.7	96	20 - 150	6.9406		6.9406	
D7-NMeFOSE	244	58	20 - 150	9.853		9.8530	
D9-NEtFOSE	244	92	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.5	100	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW03RA-GW031225 (O25C0550-01) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 22:21		
13C4-PFBA	102	85	20 - 150	3.070767		3.0708	
13C5-PFPeA	50.8	103	20 - 150	4.221684		4.2217	
13C5-PFHxA	25.4	101	20 - 150	4.889117		4.8891	
13C4-PFHpA	25.4	104	20 - 150	5.397217		5.3972	
13C8-PFOA	25.4	101	20 - 150	5.822767		5.8228	
13C9-PFNA	12.7	102	20 - 150	6.213433		6.2134	
13C6-PFDA	12.7	106	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.7	110	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.7	114	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.7	93	20 - 150	7.723508		7.7235	
13C2-PFTeDA	12.7	76	20 - 150	8.091583		8.0916	
13C3-PFBS	25.4	91	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.4	100	20 - 150	5.956		5.9560	
13C8-PFOS	25.4	100	20 - 150	6.770583		6.7706	
13C2-4:2FTS	50.8	132	20 - 150	4.697317		4.6973	
13C2-6:2FTS	50.8	115	20 - 150	5.641967		5.6420	
13C2-8:2FTS	50.8	105	20 - 150	6.411817		6.4118	
13C8-PFOSA	25.4	91	20 - 150	8.779533		8.7795	
D3-NMeFOSA	25.4	82	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.4	82	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.8	104	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	50.8	261	20 - 150	6.928817		6.9288	*
D7-NMeFOSE	254	55	20 - 150	9.853		9.8530	
D9-NEtFOSE	254	90	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	102	107	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW03RB-GW031225 (O25C0550-02) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 22:37		
13C4-PFBA	102	77	20 - 150	3.070767		3.0708	
13C5-PFPeA	50.8	24	20 - 150	4.233634		4.2336	
13C5-PFHxA	25.4	93	20 - 150	4.90095		4.9010	
13C4-PFHpA	25.4	99	20 - 150	5.397217		5.3972	
13C8-PFOA	25.4	100	20 - 150	5.834583		5.8346	
13C9-PFNA	12.7	97	20 - 150	6.225217		6.2252	
13C6-PFDA	12.7	105	20 - 150	6.614767		6.6148	
13C7-PFUnA	12.7	106	20 - 150	6.989767		6.9898	
13C2-PFDoA	12.7	112	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.7	90	20 - 150	7.723508		7.7235	
13C2-PFTeDA	12.7	72	20 - 150	8.091583		8.0916	
13C3-PFBS	25.4	89	20 - 150	4.9407		4.9407	
13C3-PFHxS	25.4	94	20 - 150	5.967817		5.9678	
13C8-PFOS	25.4	92	20 - 150	6.770583		6.7706	
13C2-4:2FTS	50.8	121	20 - 150	4.70915		4.7092	
13C2-6:2FTS	50.8	118	20 - 150	5.653783		5.6538	
13C2-8:2FTS	50.8	103	20 - 150	6.423767		6.4238	
13C8-PFOSA	25.4	89	20 - 150	8.779533		8.7795	
D3-NMeFOSA	25.4	89	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.4	86	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.8	95	20 - 150	6.741133		6.7411	
D5-NEtFOSAA	50.8	94	20 - 150	6.9524		6.9524	
D7-NMeFOSE	254	52	20 - 150	9.853		9.8530	
D9-NEtFOSE	254	88	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	102	99	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW03RC-GW031225 (O25C0550-03) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 22:53		
13C4-PFBA	97.6	66	20 - 150	3.058767		3.0588	
13C5-PFPeA	48.8	95	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.4	88	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.4	97	20 - 150	5.397217		5.3972	
13C8-PFOA	24.4	91	20 - 150	5.822767		5.8228	
13C9-PFNA	12.2	89	20 - 150	6.213433		6.2134	
13C6-PFDA	12.2	95	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.2	97	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.2	100	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.2	86	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.2	75	20 - 150	8.07965		8.0797	
13C3-PFBS	24.4	87	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.4	88	20 - 150	5.956		5.9560	
13C8-PFOS	24.4	91	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.8	114	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.8	104	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.8	92	20 - 150	6.411817		6.4118	
13C8-PFOSA	24.4	86	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.4	88	20 - 150	9.9785		9.9785	
D5-NEtFOSA	24.4	84	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.8	100	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.8	102	20 - 150	6.9406		6.9406	
D7-NMeFOSE	244	52	20 - 150	9.853		9.8530	
D9-NEtFOSE	244	88	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.6	98	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW05R-GW031125 (O25C0550-04) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 23:10		
13C4-PFBA	95.4	85	20 - 150	3.070767		3.0708	
13C5-PFPeA	47.7	93	20 - 150	4.221684		4.2217	
13C5-PFHxA	23.8	89	20 - 150	4.889117		4.8891	
13C4-PFHpA	23.8	98	20 - 150	5.38545		5.3855	
13C8-PFOA	23.8	92	20 - 150	5.822767		5.8228	
13C9-PFNA	11.9	98	20 - 150	6.213433		6.2134	
13C6-PFDA	11.9	99	20 - 150	6.602983		6.6030	
13C7-PFUnA	11.9	97	20 - 150	6.977967		6.9780	
13C2-PFDoA	11.9	102	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	11.9	86	20 - 150	7.717542		7.7175	
13C2-PFTeDA	11.9	73	20 - 150	8.07965		8.0797	
13C3-PFBS	23.8	82	20 - 150	4.928867		4.9289	
13C3-PFHxS	23.8	86	20 - 150	5.956		5.9560	
13C8-PFOS	23.8	91	20 - 150	6.770583		6.7706	
13C2-4:2FTS	47.7	113	20 - 150	4.697317		4.6973	
13C2-6:2FTS	47.7	104	20 - 150	5.641967		5.6420	
13C2-8:2FTS	47.7	96	20 - 150	6.411817		6.4118	
13C8-PFOSA	23.8	87	20 - 150	8.779533		8.7795	
D3-NMeFOSA	23.8	87	20 - 150	9.99045		9.9905	
D5-NEtFOSA	23.8	88	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	47.7	95	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	47.7	97	20 - 150	6.9406		6.9406	
D7-NMeFOSE	238	50	20 - 150	9.853		9.8530	
D9-NEtFOSE	238	90	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	95.4	97	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW29A-GW031125 (O25C0550-05) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 23:26		
13C4-PFBA	97.1	72	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.6	101	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.3	94	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.3	102	20 - 150	5.397217		5.3972	
13C8-PFOA	24.3	96	20 - 150	5.822767		5.8228	
13C9-PFNA	12.1	90	20 - 150	6.225217		6.2252	
13C6-PFDA	12.1	101	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.1	97	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.1	109	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.1	86	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.1	67	20 - 150	8.07965		8.0797	
13C3-PFBS	24.3	94	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.3	90	20 - 150	5.956		5.9560	
13C8-PFOS	24.3	86	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.6	137	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.6	127	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.6	116	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.3	91	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.3	83	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.3	81	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.6	93	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.6	166	20 - 150	6.928817		6.9288	*
D7-NMeFOSE	243	54	20 - 150	9.853		9.8530	
D9-NEtFOSE	243	86	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.1	100	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
FD01-GW031225 (O25C0550-06) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 23:42		
13C4-PFBA	97.5	73	20 - 150	3.058767		3.0588	
13C5-PFPeA	48.7	95	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.4	89	20 - 150	4.90095		4.9010	
13C4-PFHpA	24.4	98	20 - 150	5.397217		5.3972	
13C8-PFOA	24.4	94	20 - 150	5.82275		5.8228	
13C9-PFNA	12.2	99	20 - 150	6.225217		6.2252	
13C6-PFDA	12.2	95	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.2	96	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.2	92	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.2	78	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.2	66	20 - 150	8.07965		8.0797	
13C3-PFBS	24.4	86	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.4	89	20 - 150	5.956		5.9560	
13C8-PFOS	24.4	90	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.7	113	20 - 150	4.70915		4.7092	
13C2-6:2FTS	48.7	111	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.7	95	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.4	89	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.4	84	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.4	84	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.7	93	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.7	93	20 - 150	6.9406		6.9406	
D7-NMeFOSE	244	54	20 - 150	9.853		9.8530	
D9-NEtFOSE	244	85	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.5	100	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW29B-GW031125 (O25C0550-07) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/18/25 23:58		
13C4-PFBA	96.7	80	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.3	109	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.2	101	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.2	107	20 - 150	5.397217		5.3972	
13C8-PFOA	24.2	105	20 - 150	5.822767		5.8228	
13C9-PFNA	12.1	103	20 - 150	6.213433		6.2134	
13C6-PFDA	12.1	109	20 - 150	6.5912		6.5912	
13C7-PFUnA	12.1	107	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.1	105	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.1	93	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.1	82	20 - 150	8.07965		8.0797	
13C3-PFBS	24.2	97	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.2	103	20 - 150	5.956		5.9560	
13C8-PFOS	24.2	101	20 - 150	6.758833		6.7588	
13C2-4:2FTS	48.3	132	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.3	126	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.3	115	20 - 150	6.411817		6.4118	
13C8-PFOSA	24.2	98	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.2	93	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.2	90	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.3	105	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.3	103	20 - 150	6.9406		6.9406	
D7-NMeFOSE	242	59	20 - 150	9.853		9.8530	
D9-NEtFOSE	242	97	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	96.7	109	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW29C-GW031125 (O25C0550-08) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/19/25 00:15		
13C4-PFBA	97.9	90	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.9	99	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.5	93	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.5	102	20 - 150	5.397217		5.3972	
13C8-PFOA	24.5	99	20 - 150	5.822767		5.8228	
13C9-PFNA	12.2	97	20 - 150	6.225217		6.2252	
13C6-PFDA	12.2	96	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.2	99	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.2	97	20 - 150	7.35545		7.3555	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.2	80	20 - 150	7.71755		7.7176	
13C2-PFTeDA	12.2	66	20 - 150	8.07965		8.0797	
13C3-PFBS	24.5	93	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.5	94	20 - 150	5.956		5.9560	
13C8-PFOS	24.5	91	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.9	131	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.9	123	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.9	106	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.5	92	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.5	85	20 - 150	9.9785		9.9785	
D5-NEtFOSA	24.5	84	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.9	95	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.9	97	20 - 150	6.9406		6.9406	
D7-NMeFOSE	245	54	20 - 150	9.853		9.8530	
D9-NEtFOSE	245	90	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	97.9	100	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW30RA-GW031125 (O25C0550-09) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/19/25 00:31		
13C4-PFBA	96.3	92	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.2	96	20 - 150	4.233634		4.2336	
13C5-PFHxA	24.1	91	20 - 150	4.90095		4.9010	
13C4-PFHpA	24.1	97	20 - 150	5.397217		5.3972	
13C8-PFOA	24.1	93	20 - 150	5.834583		5.8346	
13C9-PFNA	12.0	92	20 - 150	6.225217		6.2252	
13C6-PFDA	12.0	95	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.0	96	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.0	91	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.0	80	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.0	70	20 - 150	8.07965		8.0797	
13C3-PFBS	24.1	92	20 - 150	4.9407		4.9407	
13C3-PFHxS	24.1	91	20 - 150	5.956		5.9560	
13C8-PFOS	24.1	94	20 - 150	6.770583		6.7706	
13C2-4:2FTS	48.2	126	20 - 150	4.70915		4.7092	
13C2-6:2FTS	48.2	112	20 - 150	5.653783		5.6538	
13C2-8:2FTS	48.2	105	20 - 150	6.423767		6.4238	
13C8-PFOSA	24.1	95	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.1	78	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.1	80	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.2	93	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.2	93	20 - 150	6.9406		6.9406	
D7-NMeFOSE	241	57	20 - 150	9.853		9.8530	
D9-NEtFOSE	241	94	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	96.3	100	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW30RB-GW031125 (O25C0550-10) ng/L			Lab File ID: PFAS2_250318A		Analyzed: 03/19/25 00:47		
13C4-PFBA	96.0	69	20 - 150	3.070767		3.0708	
13C5-PFPeA	48.0	97	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.0	94	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.0	101	20 - 150	5.397217		5.3972	
13C8-PFOA	24.0	99	20 - 150	5.822767		5.8228	
13C9-PFNA	12.0	95	20 - 150	6.213433		6.2134	
13C6-PFDA	12.0	96	20 - 150	6.602983		6.6030	
13C7-PFUnA	12.0	95	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.0	89	20 - 150	7.355433		7.3554	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.0	77	20 - 150	7.717542		7.7175	
13C2-PFTeDA	12.0	67	20 - 150	8.07965		8.0797	
13C3-PFBS	24.0	95	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.0	93	20 - 150	5.956		5.9560	
13C8-PFOS	24.0	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	48.0	129	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.0	122	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.0	104	20 - 150	6.411817		6.4118	
13C8-PFOSA	24.0	93	20 - 150	8.779533		8.7795	
D3-NMeFOSA	24.0	81	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.0	84	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.0	98	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.0	94	20 - 150	6.9406		6.9406	
D7-NMeFOSE	240	56	20 - 150	9.853		9.8530	
D9-NEtFOSE	240	90	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	96.0	103	20 - 150	5.085767		5.0858	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW30RB-GW031125

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Analysis Method:	E1633
Prep Batch:	B25C0783	Prep Method:	1633 Water
Percent Solids:		Laboratory ID:	B25C0783-MS1
		Source Sample ID:	O25C0550-10

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.	QC LIMITS REC.
PFBA	78.1	4.61	80.0	97	40 - 150
PFPeA	39.0	6.70	44.8	98	40 - 150
PFHxA	19.5	4.98	25.5	105	40 - 150
PFHpA	19.5	2.36	20.2	91	40 - 150
PFOA	19.5	4.96	24.4	99	40 - 150
PFNA	19.5	ND	19.0	97	40 - 150
PFDA	19.5	ND	19.6	100	40 - 150
PFUnA	19.5	ND	18.7	96	40 - 150
PFDoA	19.5	ND	20.8	106	40 - 150
PFTrDA	19.5	ND	20.9	107	40 - 150
PFTeDA	19.5	ND	22.3	114	40 - 150
PFBS	17.3	9.07	28.1	110	40 - 150
PFPeS	18.3	0.37	20.4	109	40 - 150
PFHxS	17.9	1.43	20.4	106	40 - 150
PFHpS	18.6	ND	19.5	105	40 - 150
PFOS	18.2	0.97	18.3	96	40 - 150
PFNS	18.7	ND	19.9	106	40 - 150
PFDS	18.8	ND	19.9	106	40 - 150
PFDoS	18.9	ND	17.1	90	40 - 150
4:2FTS	73.2	ND	76.8	105	40 - 150
6:2FTS	74.2	ND	72.5	98	40 - 150
8:2FTS	75.0	ND	78.7	105	40 - 150
PFOSA	19.5	ND	19.3	99	40 - 150
NMeFOSA	19.5	ND	18.2	93	40 - 150
NEtFOSA	19.5	ND	18.9	97	40 - 150
NMeFOSAA	19.5	ND	18.2	93	40 - 150
NEtFOSAA	19.5	ND	18.7	96	40 - 150
NMeFOSE	195	ND	229	117	40 - 150
NEtFOSE	195	ND	201	103	40 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW30RB-GW031125

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Analysis Method:	E1633
Prep Batch:	B25C0783	Prep Method:	1633 Water
Percent Solids:		Laboratory ID:	B25C0783-MS1
		Source Sample ID:	O25C0550-10

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.	QC LIMITS REC.
HFPO-DA	39.0	ND	41.0	105	40 - 150
ADONA	36.9	ND	34.0	92	40 - 150
9CL-PF3ONS	36.5	ND	36.8	101	40 - 150
11CL-PF3OUdS	36.9	ND	39.8	108	40 - 150
3:3FTCA	78.1	ND	69.2	89	40 - 150
5:3FTCA	390	ND	356	91	40 - 150
7:3FTCA	390	ND	374	96	40 - 150
PFEESA	34.7	ND	36.2	104	40 - 150
PFMPA	39.0	ND	36.5	93	40 - 150
PFMBA	39.0	ND	37.4	96	40 - 150
NFDHA	39.0	ND	45.1	116	40 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW30RB-GW031125

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Analysis Method:	E1633
Prep Batch:	B25C0783	Prep Method:	1633 Water
Percent Solids:		Laboratory ID:	B25C0783-MSD1
		Source Sample ID:	O25C0550-10

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
PFBA	78.0	81.2	98	1	30	40 - 150
PFPeA	39.0	44.9	98	0.2	30	40 - 150
PFHxA	19.5	25.3	104	0.6	30	40 - 150
PFHpA	19.5	20.7	94	3	30	40 - 150
PFOA	19.5	23.7	96	3	30	40 - 150
PFNA	19.5	18.6	95	2	30	40 - 150
PFDA	19.5	20.5	105	5	30	40 - 150
PFUnA	19.5	20.2	103	7	30	40 - 150
PFDoA	19.5	19.8	102	5	30	40 - 150
PFTrDA	19.5	21.9	112	5	30	40 - 150
PFTeDA	19.5	22.4	115	0.2	30	40 - 150
PFBS	17.3	29.3	117	4	30	40 - 150
PFPeS	18.3	19.6	105	4	30	40 - 150
PFHxS	17.8	20.0	104	2	30	40 - 150
PFHpS	18.6	18.5	99	5	30	40 - 150
PFOS	18.1	18.8	98	2	30	40 - 150
PFNS	18.7	19.7	105	1	30	40 - 150
PFDS	18.8	19.7	105	1	30	40 - 150
PFDoS	18.9	16.3	86	5	30	40 - 150
4:2FTS	73.1	73.3	100	5	30	40 - 150
6:2FTS	74.1	64.8	87	11	30	40 - 150
8:2FTS	74.9	67.8	91	15	30	40 - 150
PFOSA	19.5	19.8	102	3	30	40 - 150
NMeFOSA	19.5	19.2	98	5	30	40 - 150
NEtFOSA	19.5	19.7	101	4	30	40 - 150
NMeFOSAA	19.5	18.9	97	4	30	40 - 150
NEtFOSAA	19.5	19.6	101	5	30	40 - 150
NMeFOSE	195	243	125	6	30	40 - 150
NEtFOSE	195	196	100	2	30	40 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW30RB-GW031125

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Analysis Method:	E1633
Prep Batch:	B25C0783	Prep Method:	1633 Water
Percent Solids:		Laboratory ID:	B25C0783-MSD1
		Source Sample ID:	O25C0550-10

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
HFPO-DA	39.0	39.8	102	3	30	40 - 150
ADONA	36.8	33.6	91	1	30	40 - 150
9CL-PF3ONS	36.5	33.9	93	8	30	40 - 150
11CL-PF3OUdS	36.8	35.7	97	11	30	40 - 150
3:3FTCA	78.0	66.4	85	4	30	40 - 150
5:3FTCA	390	330	85	8	30	40 - 150
7:3FTCA	390	365	94	2	30	40 - 150
PFEESA	34.7	36.0	104	0.6	30	40 - 150
PFMPA	39.0	35.0	90	4	30	40 - 150
PFMBA	39.0	37.9	97	1	30	40 - 150
NFDHA	39.0	40.2	103	12	30	40 - 150

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C0783	Lab Sample ID:	B25C0783-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	20.0	21.1	106	40 - 150
PFPeA	10.0	10.0	100	40 - 150
PFHxA	5.00	5.32	106	40 - 150
PFHpA	5.00	5.05	101	40 - 150
PFOA	5.00	5.35	107	40 - 150
PFNA	5.00	4.93	99	40 - 150
PFDA	5.00	5.02	100	40 - 150
PFUnA	5.00	4.84	97	40 - 150
PFDoA	5.00	5.14	103	40 - 150
PFTrDA	5.00	5.61	112	40 - 150
PFTeDA	5.00	5.58	112	40 - 150
PFBS	4.42	4.70	106	40 - 150
PFPeS	4.70	5.02	107	40 - 150
PFHxS	4.58	5.20	114	40 - 150
PFHpS	4.78	5.47	115	40 - 150
PFOS	4.65	5.89	127	40 - 150
PFNS	4.80	5.68	118	40 - 150
PFDS	4.82	5.45	113	40 - 150
PFDoS	4.85	4.39	91	40 - 150
4:2FTS	18.8	20.1	107	40 - 150
6:2FTS	19.0	20.3	107	40 - 150
8:2FTS	19.2	20.4	106	40 - 150
PFOSA	5.00	5.20	104	40 - 150
NMeFOSA	5.00	5.30	106	40 - 150
NEtFOSA	5.00	4.75	95	40 - 150
NMeFOSAA	5.00	5.63	113	40 - 150
NEtFOSAA	5.00	4.77	95	40 - 150
NMeFOSE	50.0	60.6	121	40 - 150
NEtFOSE	50.0	52.3	105	40 - 150
HFPO-DA	10.0	10.8	108	40 - 150
ADONA	9.45	9.96	105	40 - 150
9CL-PF3ONS	9.35	10.3	110	40 - 150
11CL-PF3OUdS	9.45	10.5	111	40 - 150
3:3FTCA	20.0	13.3	67	40 - 150
5:3FTCA	100	96.0	96	40 - 150
7:3FTCA	100	105	105	40 - 150
PFEESA	8.90	9.99	112	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C0783	Lab Sample ID:	B25C0783-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	10.0	8.12	81	40 - 150
PFMBA	10.0	10.2	102	40 - 150
NFDHA	10.0	11.8	118	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C0783	Lab Sample ID:	B25C0783-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	200	210	105	40 - 150
PFPeA	100	103	103	40 - 150
PFHxA	50.0	54.9	110	40 - 150
PFHpA	50.0	54.1	108	40 - 150
PFOA	50.0	52.5	105	40 - 150
PFNA	50.0	54.6	109	40 - 150
PFDA	50.0	56.4	113	40 - 150
PFUnA	50.0	57.3	115	40 - 150
PFDoA	50.0	53.9	108	40 - 150
PFTrDA	50.0	59.7	119	40 - 150
PFTeDA	50.0	59.6	119	40 - 150
PFBS	44.2	50.9	115	40 - 150
PFPeS	47.0	56.1	119	40 - 150
PFHxS	45.8	54.7	120	40 - 150
PFHpS	47.8	52.3	109	40 - 150
PFOS	46.5	53.6	115	40 - 150
PFNS	48.0	55.0	115	40 - 150
PFDS	48.2	58.7	122	40 - 150
PFDoS	48.5	46.7	96	40 - 150
4:2FTS	188	206	110	40 - 150
6:2FTS	190	209	110	40 - 150
8:2FTS	192	211	110	40 - 150
PFOSA	50.0	53.8	108	40 - 150
NMeFOSA	50.0	52.9	106	40 - 150
NEtFOSA	50.0	53.1	106	40 - 150
NMeFOSAA	50.0	53.9	108	40 - 150
NEtFOSAA	50.0	52.4	105	40 - 150
NMeFOSE	500	648	130	40 - 150
NEtFOSE	500	553	111	40 - 150
HFPO-DA	100	110	110	40 - 150
ADONA	94.5	95.9	101	40 - 150
9CL-PF3ONS	93.5	94.2	101	40 - 150
11CL-PF3OUdS	94.5	118	124	40 - 150
3:3FTCA	200	133	66	40 - 150
5:3FTCA	1,000	1,020	102	40 - 150
7:3FTCA	1,000	1,020	102	40 - 150
PFEESA	89.0	97.1	109	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C0783	Lab Sample ID:	B25C0783-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	100	72.2	72	40 - 150
PFMBA	100	99.3	99	40 - 150
NFDHA	100	122	122	40 - 150

* Values outside of QC limits

4 - FORM IV
METHOD BLANK SUMMARY

E1633

Laboratory:	Sterling Labs	Work Order:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Blank ID:	B25C0783-BLK1	Batch:	B25C0783

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
MW30RB-GW031125	O25C0550-10	PFAS2_250318A_034.d	00:47
MW30RA-GW031125	O25C0550-09	PFAS2_250318A_033.d	00:31
MW29C-GW031125	O25C0550-08	PFAS2_250318A_032.d	00:15
MW29B-GW031125	O25C0550-07	PFAS2_250318A_031.d	23:58
FD01-GW031225	O25C0550-06	PFAS2_250318A_030.d	23:42
MW29A-GW031125	O25C0550-05	PFAS2_250318A_029.d	23:26
MW05R-GW031125	O25C0550-04	PFAS2_250318A_028.d	23:10
MW03RC-GW031225	O25C0550-03	PFAS2_250318A_027.d	22:53
MW03RB-GW031225	O25C0550-02	PFAS2_250318A_026.d	22:37
MW03RA-GW031225	O25C0550-01	PFAS2_250318A_025.d	22:21
Matrix Spike Dup	B25C0783-MSD1	PFAS2_250318A_024.d	22:05
Matrix Spike	B25C0783-MS1	PFAS2_250318A_023.d	21:49
HLCS	B25C0783-BS2	PFAS2_250318A_022.d	21:32
LLCS	B25C0783-BS1	PFAS2_250318A_021.d	21:14

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB1	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB1	13C4-PFBA	9.55	ug/L		
	13C5-PFPeA	4.99	ug/L		
	13C5-PFHxA	2.33	ug/L		
	13C4-PFHpA	2.51	ug/L		
	13C8-PFOA	2.40	ug/L		
	13C9-PFNA	1.15	ug/L		
	13C6-PFDA	1.21	ug/L		
	13C7-PFUnA	1.25	ug/L		
	13C2-PFDoA	1.24	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.16	ug/L		
	13C2-PFTeDA	1.09	ug/L		
	13C3-PFBS	2.33	ug/L		
	13C3-PFHxS	2.38	ug/L		
	13C8-PFOS	2.22	ug/L		
	13C2-4:2FTS	5.34	ug/L		
	13C2-6:2FTS	5.26	ug/L		
	13C2-8:2FTS	4.72	ug/L		
	13C8-PFOSA	2.21	ug/L		
	D3-NMeFOSA	2.33	ug/L		
	D5-NEtFOSA	2.33	ug/L		
	D3-NMeFOSAA	4.42	ug/L		
	D5-NEtFOSAA	4.70	ug/L		
	D7-NMeFOSE	15.9	ug/L		
	D9-NEtFOSE	23.0	ug/L		
	13C3-HFPO-DA	9.82	ug/L		
S25C0702-CCB2	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB2	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.65	ug/L		
	13C5-PFPeA	4.74	ug/L		
	13C5-PFHxA	2.27	ug/L		
	13C4-PFHpA	2.39	ug/L		
	13C8-PFOA	2.47	ug/L		
	13C9-PFNA	1.23	ug/L		
	13C6-PFDA	1.26	ug/L		
	13C7-PFUnA	1.18	ug/L		
	13C2-PFDoA	1.16	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.13	ug/L		
	13C2-PFTeDA	1.10	ug/L		
	13C3-PFBS	2.32	ug/L		
	13C3-PFHxS	2.41	ug/L		
	13C8-PFOS	2.34	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB2	13C2-4:2FTS	5.39	ug/L		
	13C2-6:2FTS	5.20	ug/L		
	13C2-8:2FTS	4.58	ug/L		
	13C8-PFOSA	2.30	ug/L		
	D3-NMeFOSA	2.36	ug/L		
	D5-NEtFOSA	2.28	ug/L		
	D3-NMeFOSAA	4.99	ug/L		
	D5-NEtFOSAA	5.14	ug/L		
	D7-NMeFOSE	18.3	ug/L		
	D9-NEtFOSE	25.7	ug/L		
	13C3-HFPO-DA	9.52	ug/L		
B25C0783-BLK1	PFBA		ng/L	6.40	U
	PFPeA		ng/L	3.20	U
	PFHxA		ng/L	1.60	U
	PFHpA		ng/L	1.60	U
	PFOA	0.47	ng/L	1.60	J
	PFNA		ng/L	1.60	U
	PFDA		ng/L	1.60	U
	PFUnA		ng/L	1.60	U
	PFDoA		ng/L	1.60	U
	PFTrDA		ng/L	1.60	U
	PFTeDA		ng/L	1.60	U
	PFBS		ng/L	1.42	U
	PFPeS		ng/L	1.51	U
	PFHxS		ng/L	1.46	U
	PFHpS		ng/L	1.52	U
	PFOS	0.75	ng/L	1.86	J
	PFNS		ng/L	1.54	U
	PFDS		ng/L	1.54	U
	PFDoS		ng/L	1.55	U
	4:2FTS		ng/L	6.00	U
	6:2FTS		ng/L	6.08	U
	8:2FTS		ng/L	6.14	U
	PFOSA		ng/L	1.60	U
	NMeFOSA		ng/L	1.60	U
	NEtFOSA		ng/L	1.60	U
	NMeFOSAA		ng/L	1.60	U
	NEtFOSAA		ng/L	1.60	U
	NMeFOSE		ng/L	16.0	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
B25C0783-BLK1	NEtFOSE		ng/L	16.0	U
	HFPO-DA		ng/L	3.20	U
	ADONA		ng/L	3.02	U
	9CL-PF3ONS		ng/L	2.99	U
	11CL-PF3OUdS		ng/L	3.02	U
	3:3FTCA		ng/L	6.40	U
	5:3FTCA		ng/L	32.0	U
	7:3FTCA		ng/L	32.0	U
	PFEESA		ng/L	2.85	U
	PFMPA		ng/L	3.20	U
	PFMBA		ng/L	3.20	U
	NFDHA		ng/L	3.20	U
	13C4-PFBA	44.2	ng/L		
	13C5-PFPeA	46.0	ng/L		
	13C5-PFHxA	22.6	ng/L		
	13C4-PFHpA	24.1	ng/L		
	13C8-PFOA	23.0	ng/L		
	13C9-PFNA	11.7	ng/L		
	13C6-PFDA	12.2	ng/L		
	13C7-PFUnA	12.3	ng/L		
	13C2-PFDoA	12.5	ng/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	10.3	ng/L		
	13C2-PFTeDA	8.57	ng/L		
	13C3-PFBS	21.8	ng/L		
	13C3-PFHxS	22.7	ng/L		
	13C8-PFOS	24.3	ng/L		
	13C2-4:2FTS	60.0	ng/L		
	13C2-6:2FTS	56.1	ng/L		
	13C2-8:2FTS	51.9	ng/L		
	13C8-PFOSA	25.0	ng/L		
	D3-NMeFOSA	24.5	ng/L		
	D5-NEtFOSA	23.8	ng/L		
	D3-NMeFOSAA	51.6	ng/L		
	D5-NEtFOSAA	50.9	ng/L		
	D7-NMeFOSE	140	ng/L		
	D9-NEtFOSE	222	ng/L		
	13C3-HFPO-DA	97.1	ng/L		
S25C0702-CCB3	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB3	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.61	ug/L		
	13C5-PFPeA	4.81	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0702		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0702-CCB3	13C5-PFHxA	2.30	ug/L		
	13C4-PFHpA	2.47	ug/L		
	13C8-PFOA	2.42	ug/L		
	13C9-PFNA	1.14	ug/L		
	13C6-PFDA	1.22	ug/L		
	13C7-PFUnA	1.22	ug/L		
	13C2-PFDoA	1.27	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.20	ug/L		
	13C2-PFTeDA	1.14	ug/L		
	13C3-PFBS	2.30	ug/L		
	13C3-PFHxS	2.30	ug/L		
	13C8-PFOS	2.49	ug/L		
	13C2-4:2FTS	5.28	ug/L		
	13C2-6:2FTS	5.36	ug/L		
	13C2-8:2FTS	4.88	ug/L		
	13C8-PFOSA	2.24	ug/L		
	D3-NMeFOSA	2.12	ug/L		
	D5-NEtFOSA	2.32	ug/L		
	D3-NMeFOSAA	4.75	ug/L		
	D5-NEtFOSAA	5.40	ug/L		
	D7-NMeFOSE	18.4	ug/L		
	D9-NEtFOSE	26.2	ug/L		
	13C3-HFPO-DA	10.1	ug/L		

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_014.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:17:48 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

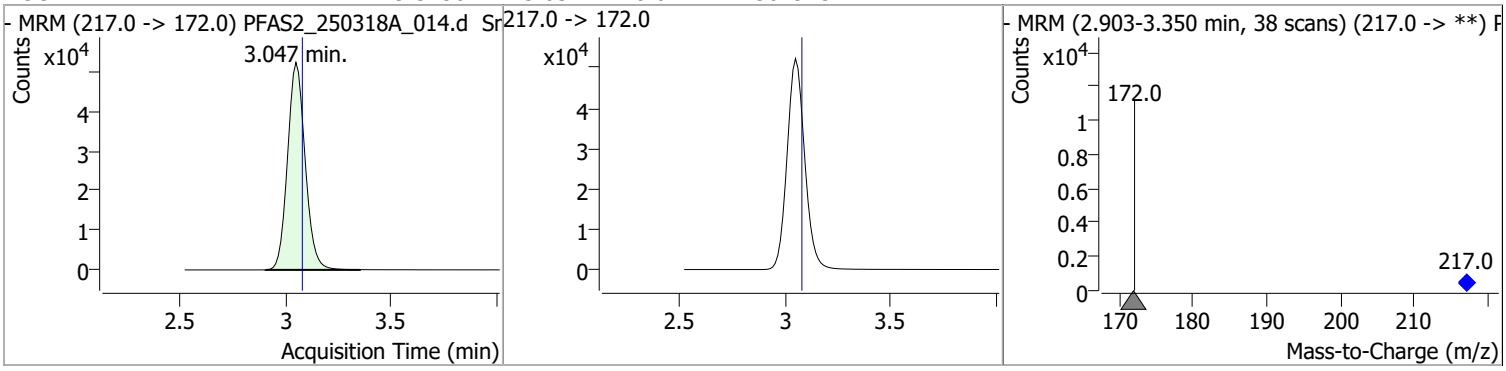
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	139656	5.0000	µg/L		2.056
13C2-PFHxA	4.878	315.0 -> 270.0	144513	2.5000	µg/L		-5.809
18O2-PFHxS	5.943	403.0 -> 84.0	29122	2.5000	µg/L		-1.716
13C4-PFOA	5.823	417.0 -> 172.0	14134	2.5000	µg/L		-8.503
13C5-PFNA	6.226	468.0 -> 423.0	70296	1.2500	µg/L		-1.231
13C2-PFDA	6.615	515.0 -> 470.0	64842	1.2500	µg/L		-3.042
13C4-PFOS	6.771	503.0 -> 80.0	25553	2.5000	µg/L		2.585
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	302923	10.0000	µg/L		-2.544
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.45%			
13C5-PFPeA	4.210	268.0 -> 223.0	194311	5.0000	µg/L		-6.093
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C5-PFPeA	4.210	268.0 -> 223.0	194311	5.0000	µg/L		-6.093
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C2-4-2 FTSA	4.685	329.0 -> 81.0	26432	5.0000	µg/L	#	4.621
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.88%			
13C5-PFHxA	4.877	318.0 -> 273.0	148500	2.5000	µg/L		-12.049
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.35%			
13C5-PFHxA	4.877	318.0 -> 273.0	148500	2.5000	µg/L		-12.049
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.35%			
13C3-PFBS	4.917	302.0 -> 80.0	55447	2.5000	µg/L		-8.689
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.00%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	161689	10.0000	µg/L		-7.485
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.22%			
13C4-PFHpA	5.385	367.0 -> 322.0	178854	2.5000	µg/L		-5.312
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.56%			
13C3-PFHxS	5.944	402.0 -> 80.0	32637	2.5000	µg/L		-6.615
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15255	5.0000	µg/L	#	3.296
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.21%			
13C8-PFOA	5.823	421.0 -> 376.0	151579	2.5000	µg/L		-12.250
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.92%			
13C3-PFHxS	5.944	402.0 -> 80.0	32637	2.5000	µg/L		-6.615
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
13C9-PFNA	6.225	472.0 -> 427.0	63806	1.2500	µg/L		-9.449
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.64%			
13C8-PFOS	6.771	507.0 -> 80.0	23030	2.5000	µg/L		-8.912
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.83%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11010	5.0000	µg/L	#	-7.058
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.44%			
13C6-PFDA	6.615	519.0 -> 474.0	63762	1.2500	µg/L		-6.178
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.67%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	50658	5.0000	µg/L		-9.246
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 88.37%			
13C8-PFOS	6.771	507.0 -> 80.0	23030	2.5000	µg/L		-8.912

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.83%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	40651	5.0000	µg/L		-3.602
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.92%			
13C7-PFUnDA	6.990	570.0 -> 525.0	52014	1.2500	µg/L		-2.965
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	39722	1.2500	µg/L		-9.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.72%			
13C2-PFDoDA	7.367	615.0 -> 570.0	38347	1.2500	µg/L		-4.000
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.02%			
13C2-PFTDA	8.092	715.0 -> 670.0	41097	1.2500	µg/L		-14.887
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 87.51%			
13C8-PFOSA	8.768	506.0 -> 78.0	33572	2.5000	µg/L		-9.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.36%			
2H7-MeFOSE	9.853	623.1 -> 59.0	81905	25.0000	µg/L		-34.812
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 63.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9919	2.5000	µg/L		-4.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.02%			
2H9-EtFOSE	10.185	639.1 -> 59.0	59978	25.0000	µg/L		-5.559
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 92.03%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10727	2.5000	µg/L		-4.565
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.04%			
Target Compounds							QValue
PFBA	3.043	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.778	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.211	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	78	0.0365	µg/L		100
4-2 FTSA	4.686	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.811	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.867	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.374	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.423	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.518	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.539	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	729	0.0485	µg/L		96
PFHxS	5.945	398.9 -> 80.0	179	0.0141	µg/L		96
PFNA	6.226	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.394	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	236	0.3200	µg/L		79
PFDA	6.627	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.766	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	374	0.0715	µg/L		84
N-EtFOSAA	6.941	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.517	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.148	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.035	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.537	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.748	663.0 -> 619.0	0	0.0000	µg/L	md	

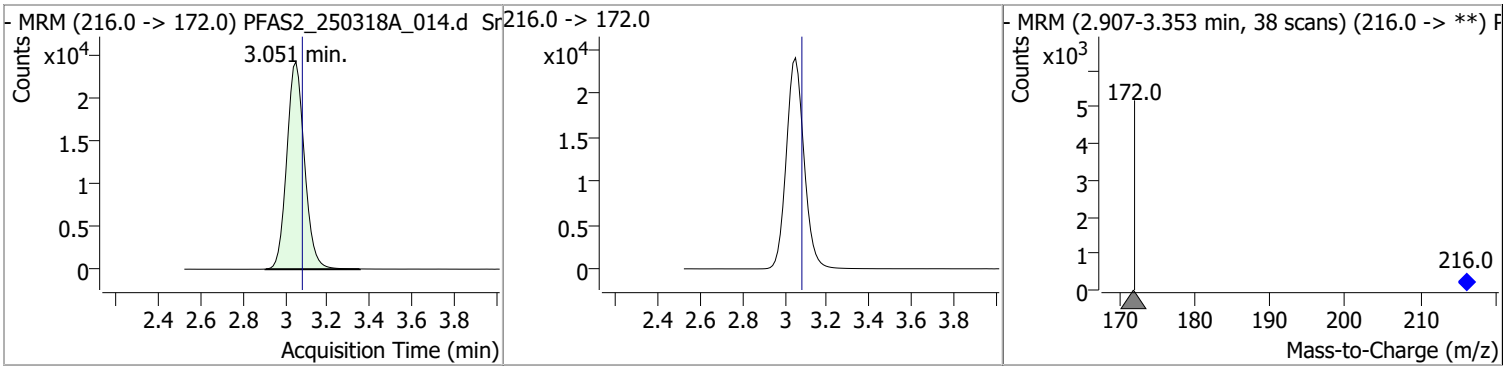
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.799	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.156	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	190	0.0304	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	172	0.0895	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

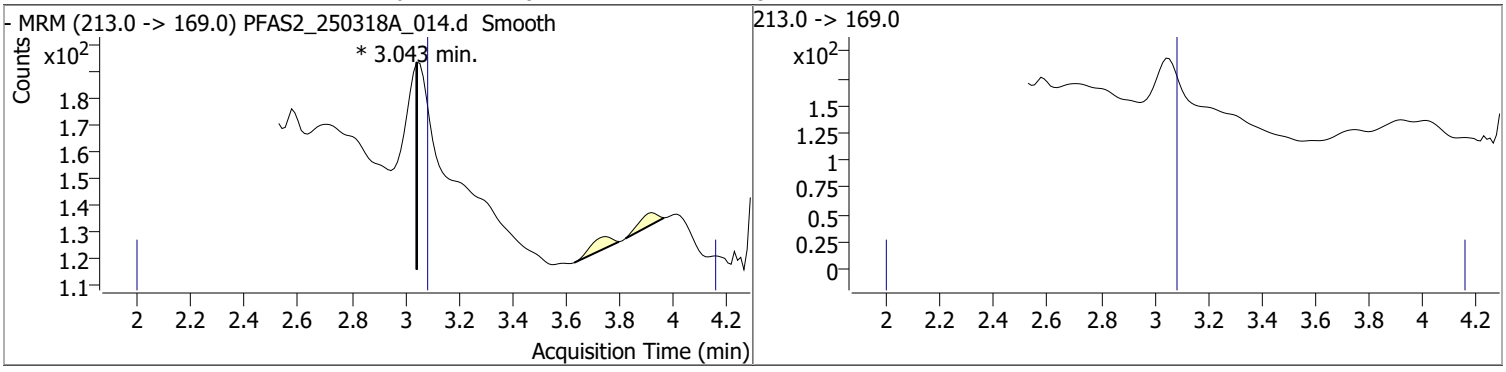
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.5450	3.05	-0.02	302923				



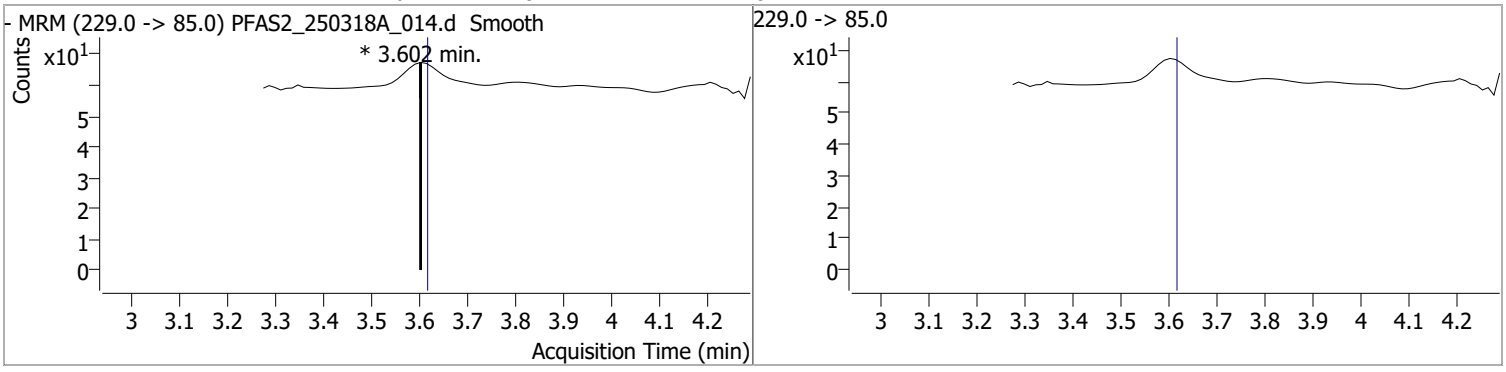
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	139656				



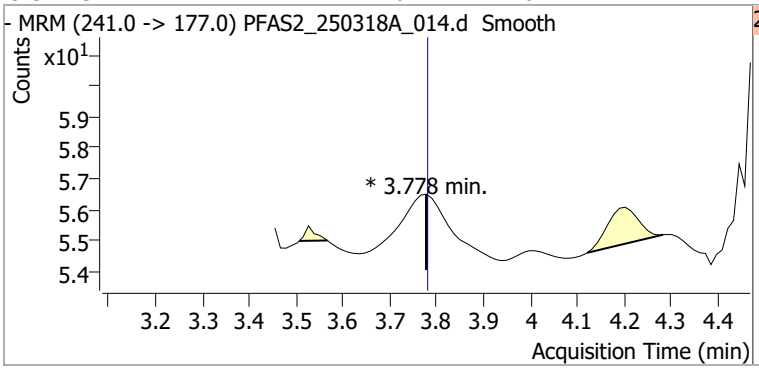
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

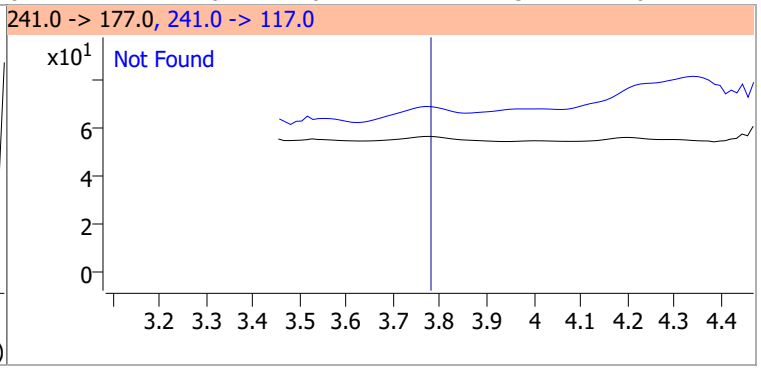


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

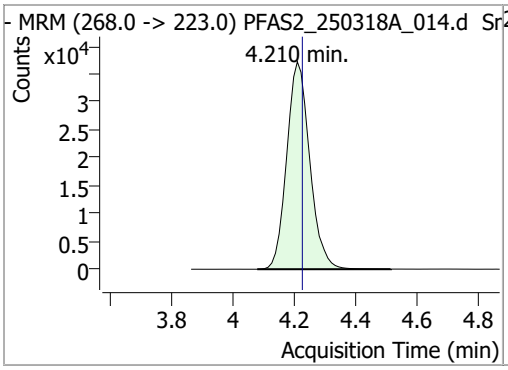


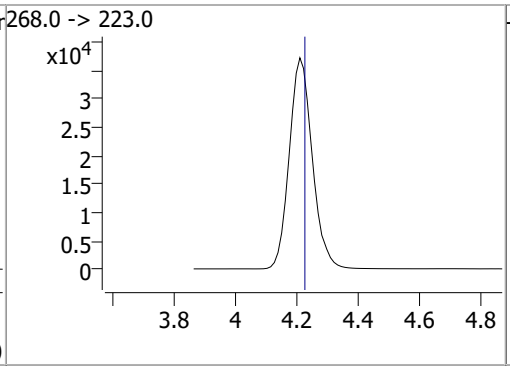
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

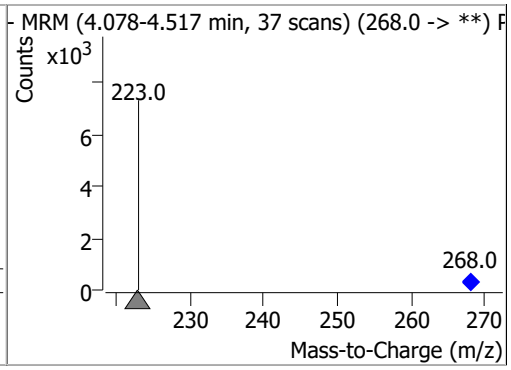




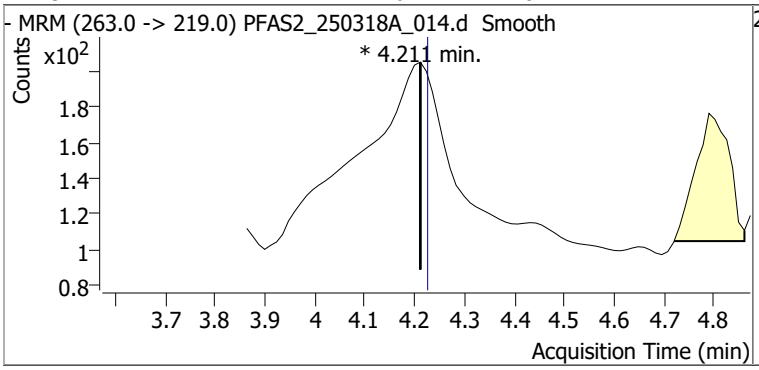
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9852	4.21	-0.01	194311				

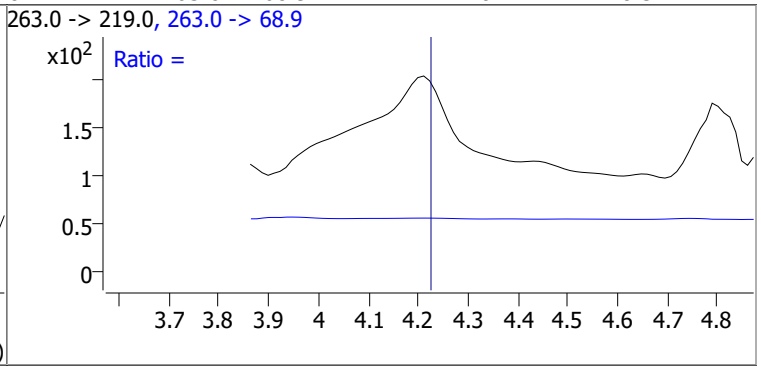




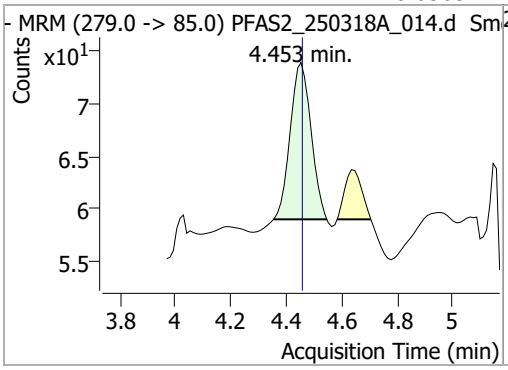


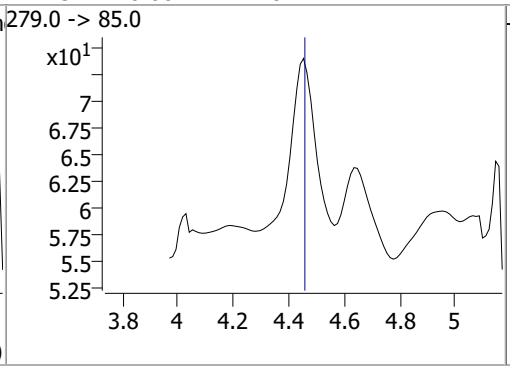
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

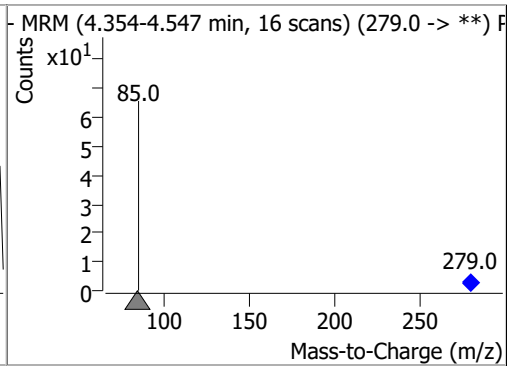




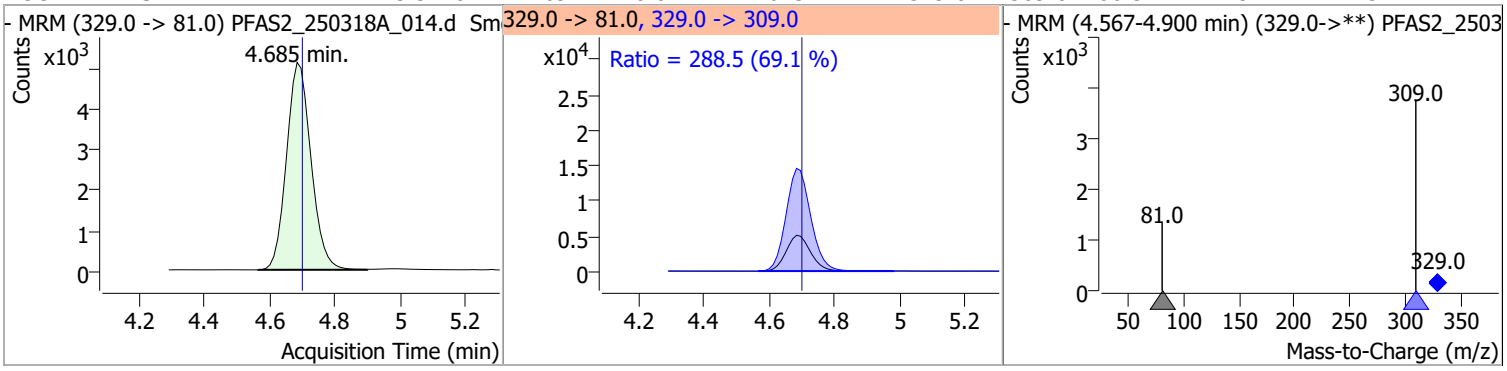
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0365	4.45	0.00	78				



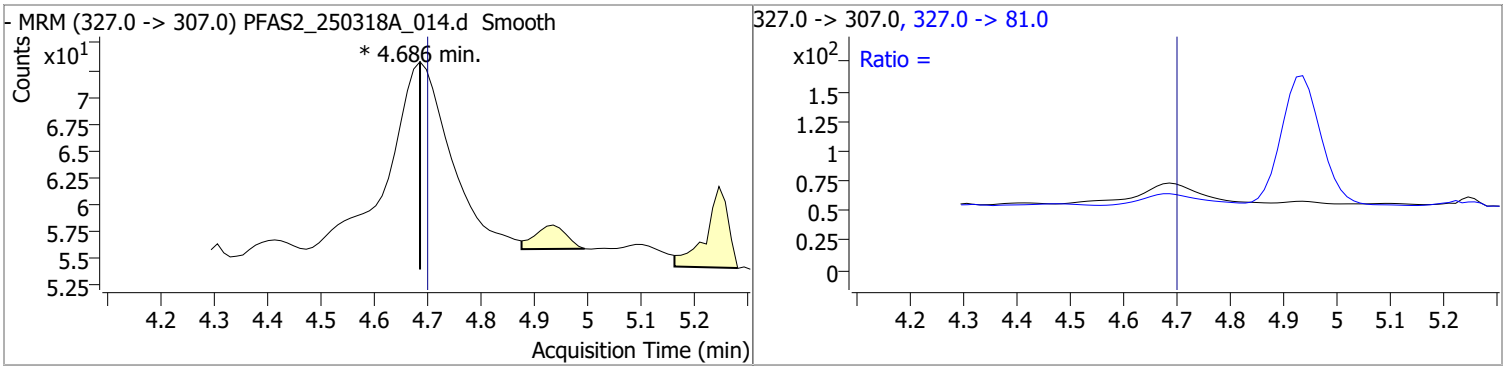




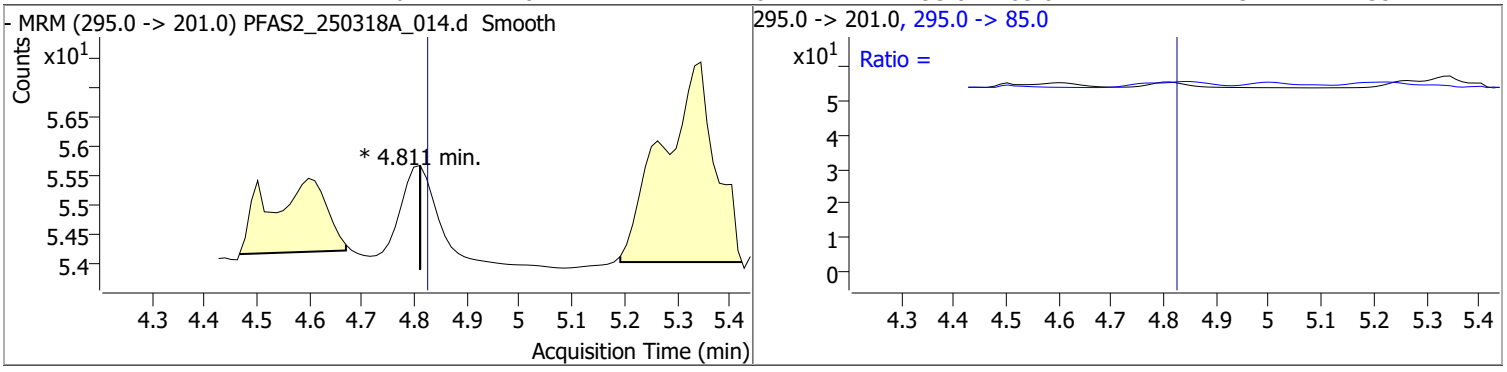
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3440	4.69	-0.01	26432	329.0 -> 309.0	288.5	292.1	542.4



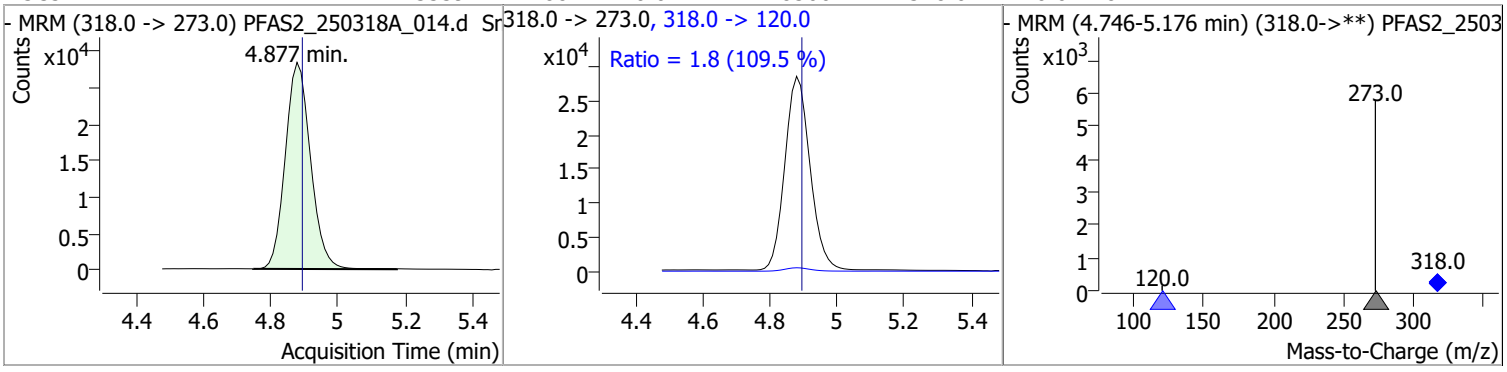
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



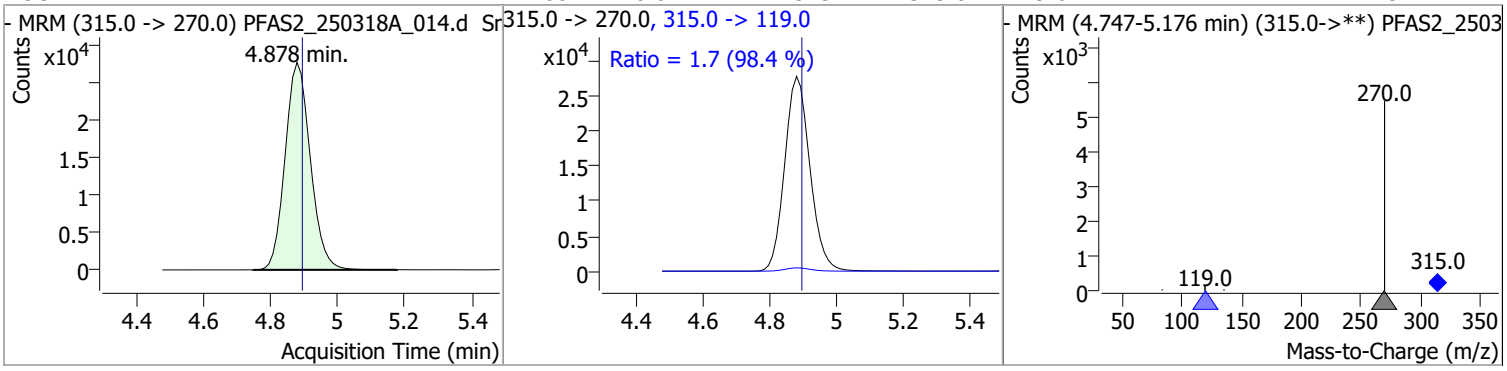
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



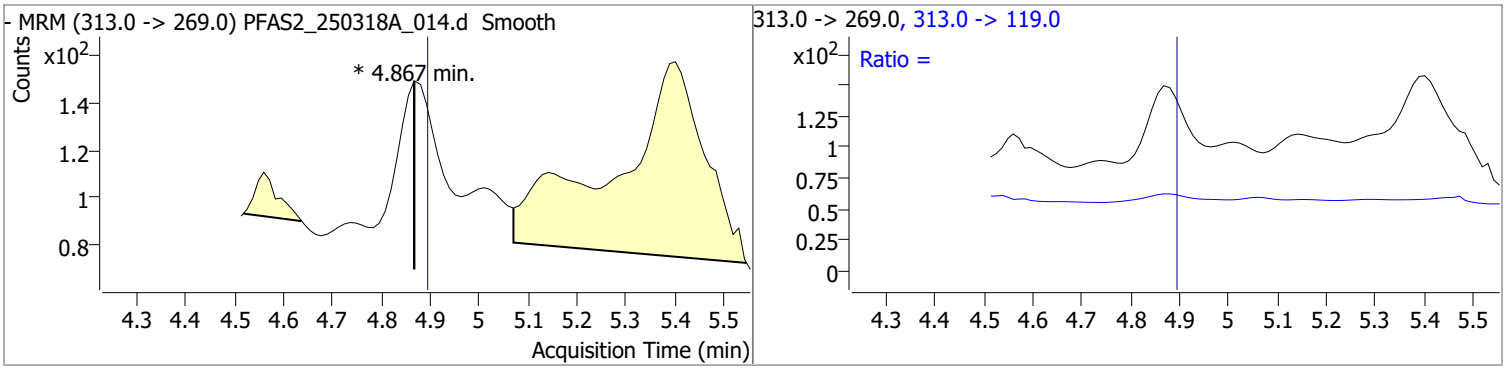
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3339	4.88	-0.01	148500	318.0 -> 120.0	1.8	1.1	2.1



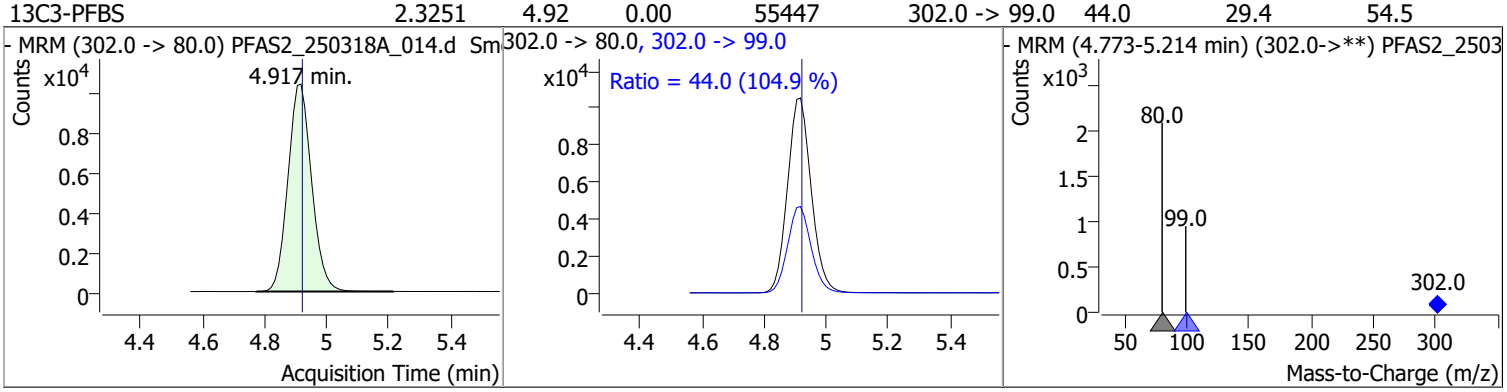
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	144513	315.0 -> 119.0	1.7	1.2	2.3



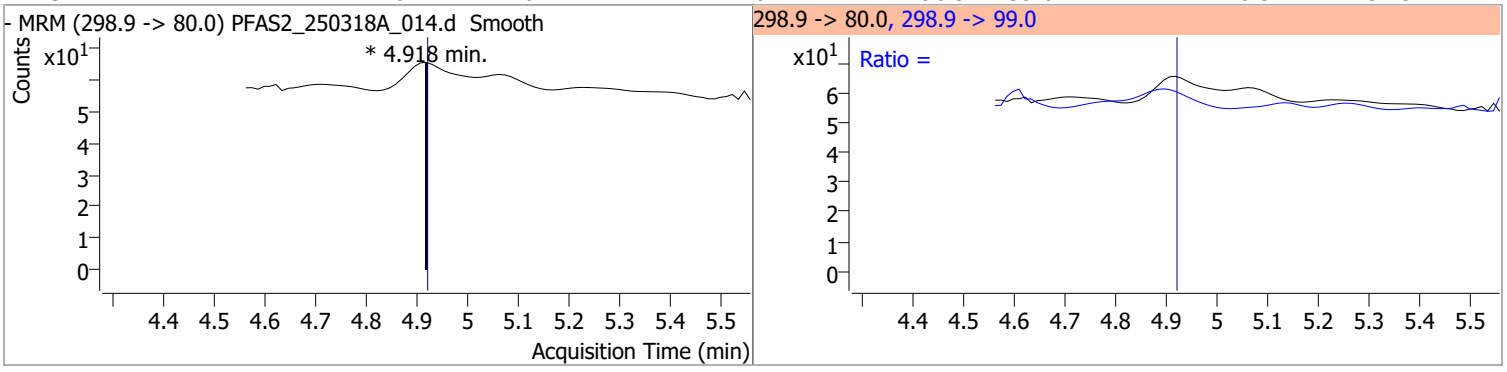
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



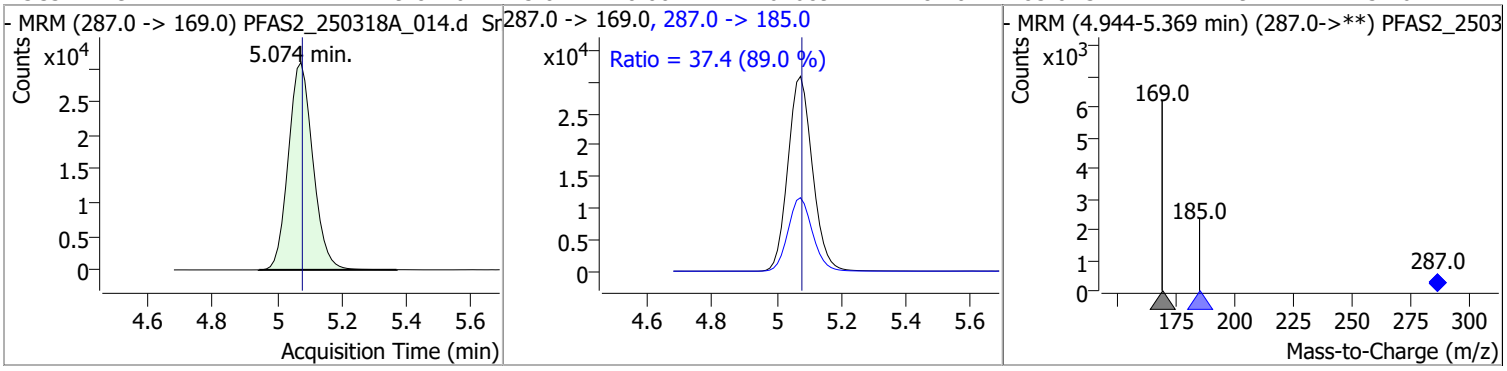
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3251	4.92	0.00	55447	302.0 -> 99.0	44.0	29.4	54.5



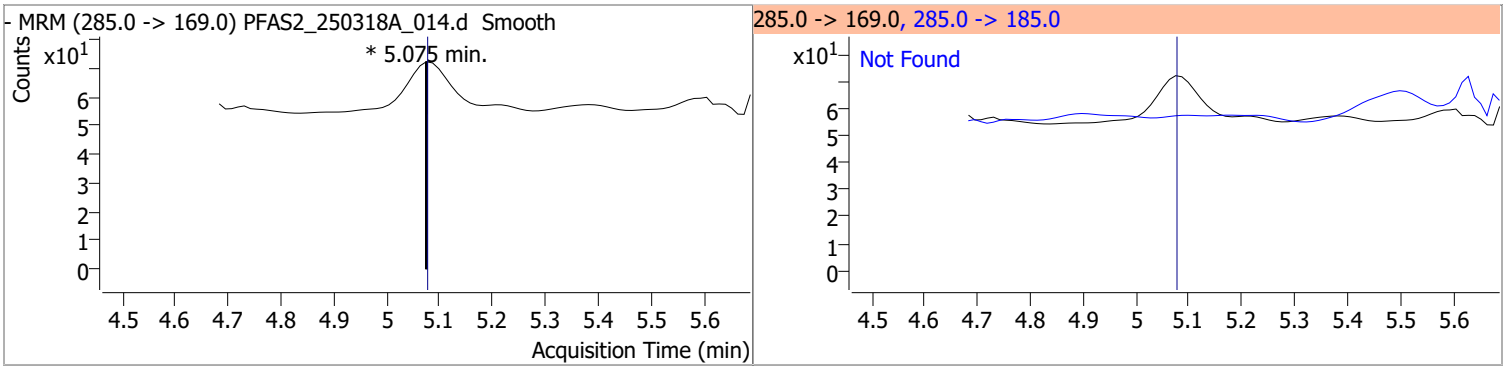
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



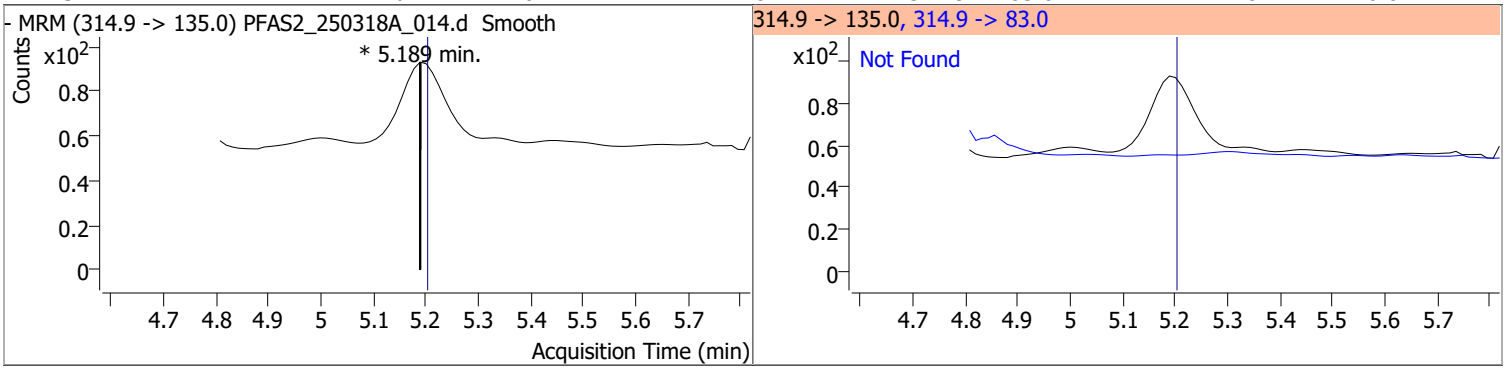
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8216	5.07	0.00	161689	287.0 -> 185.0	37.4	29.4	54.6



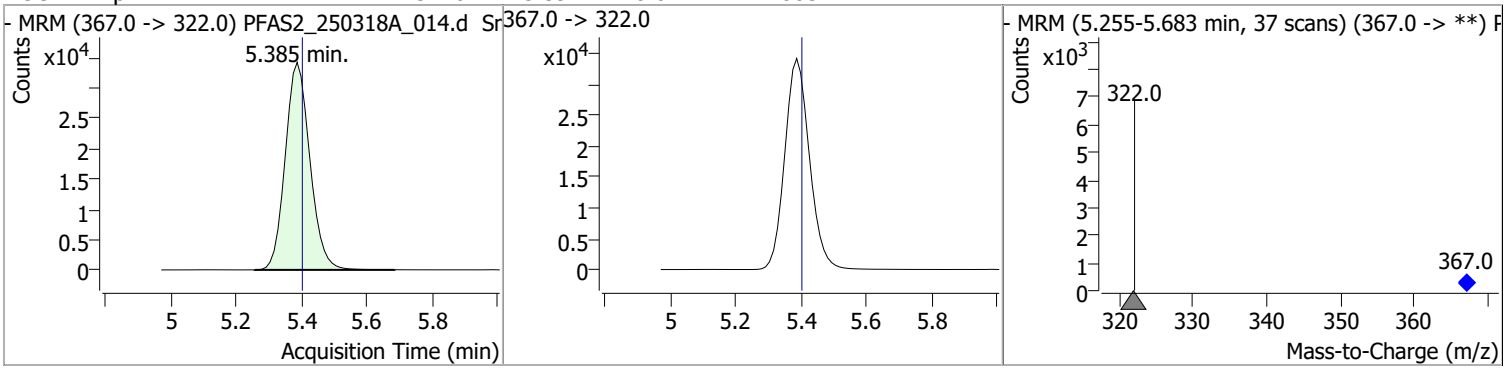
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



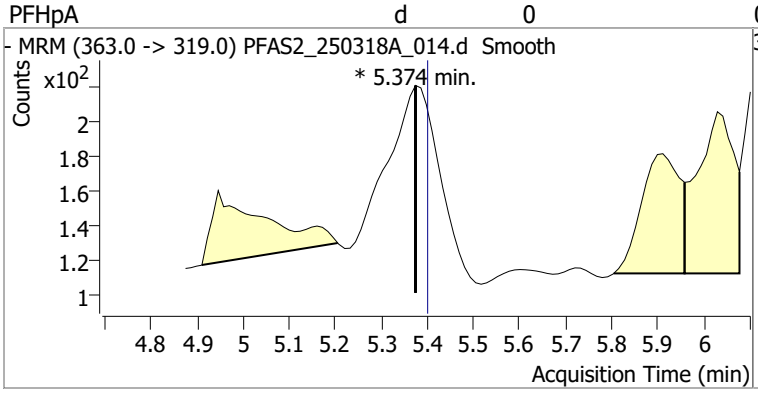
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

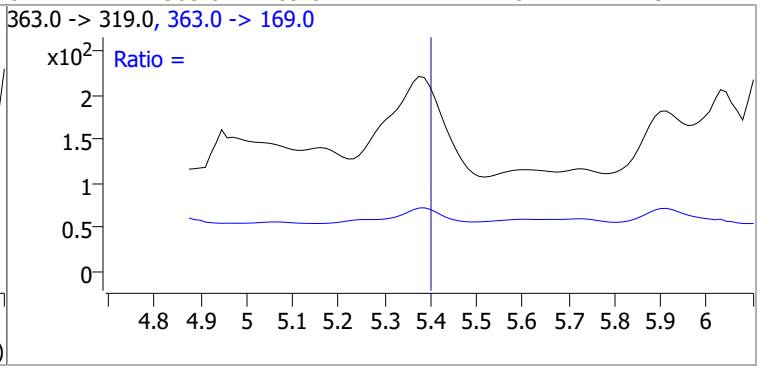


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5140	5.39	-0.01	178854				

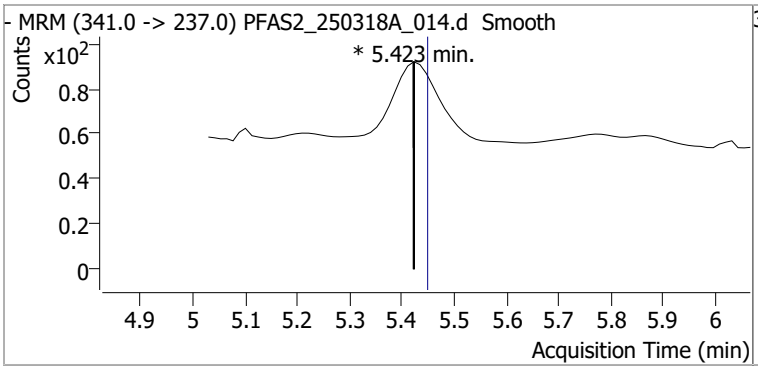


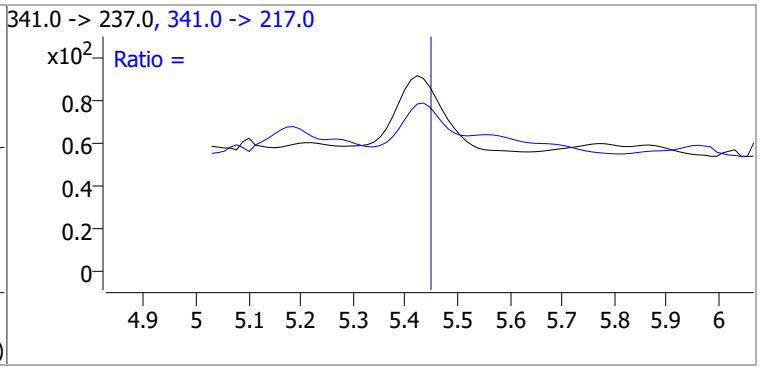
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



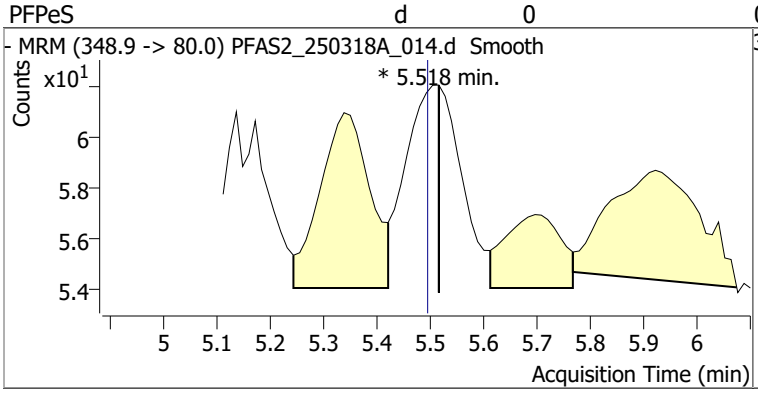


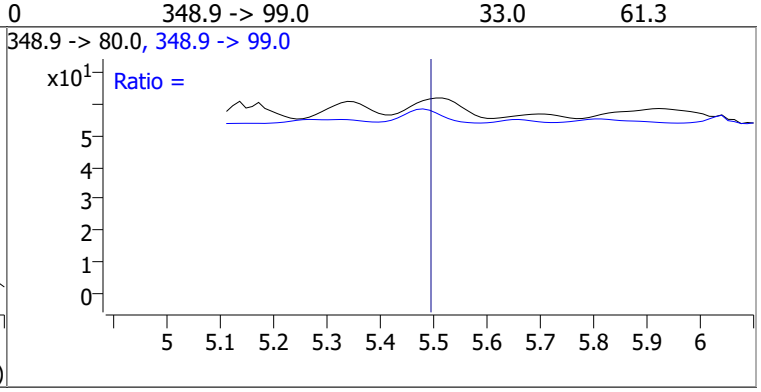
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



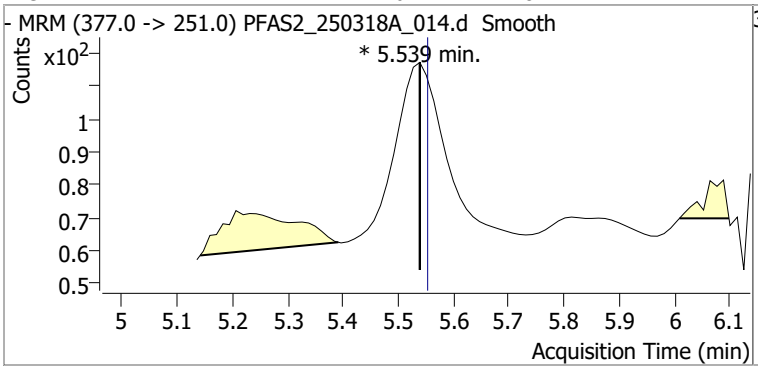


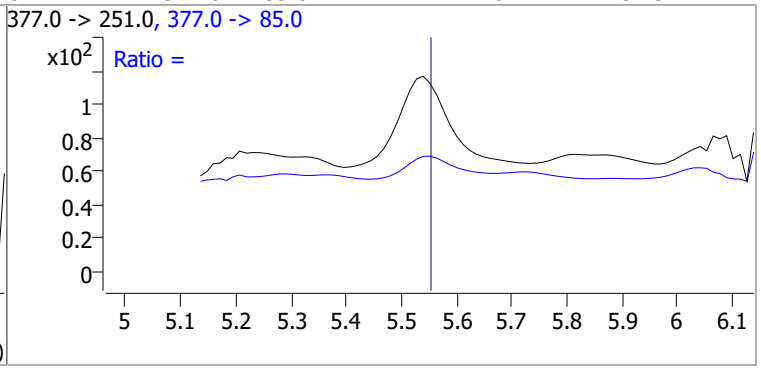
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



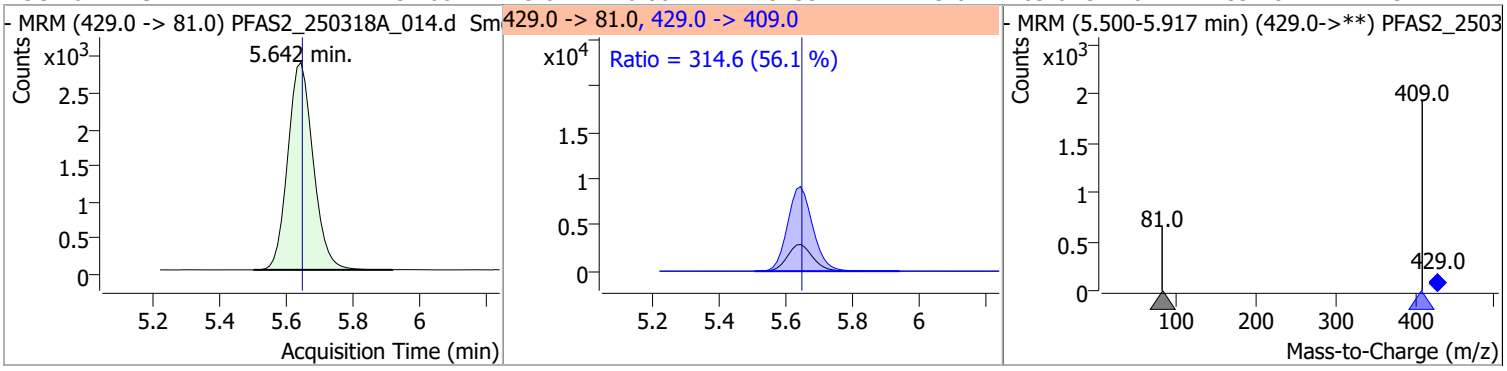


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

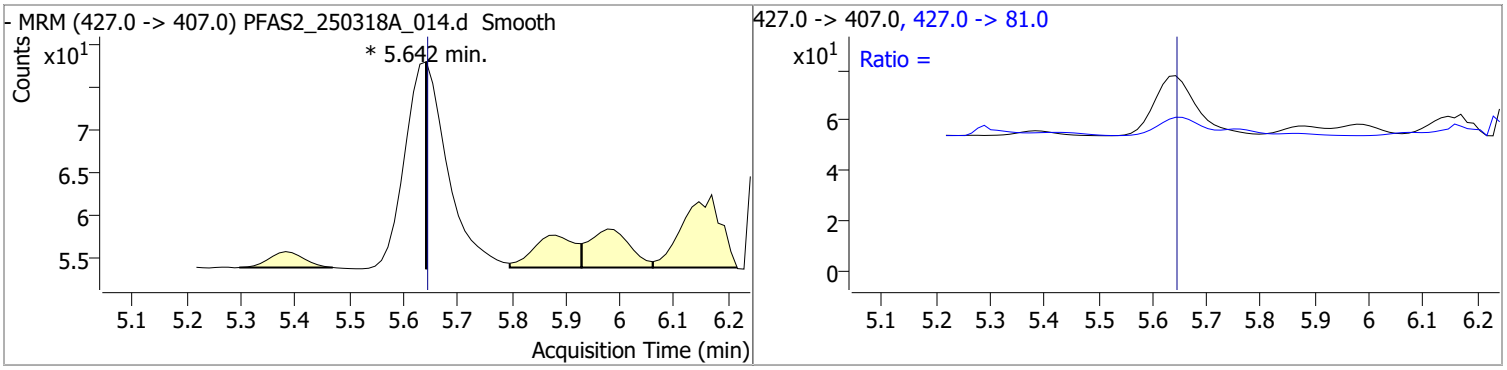




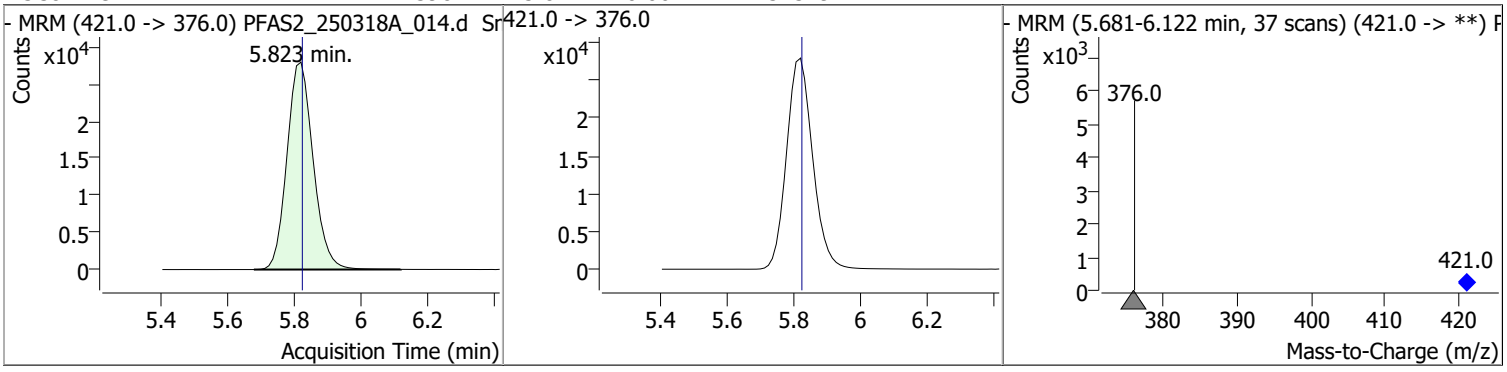
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2607	5.64	0.00	15255	429.0 -> 409.0	314.6	392.8	729.4



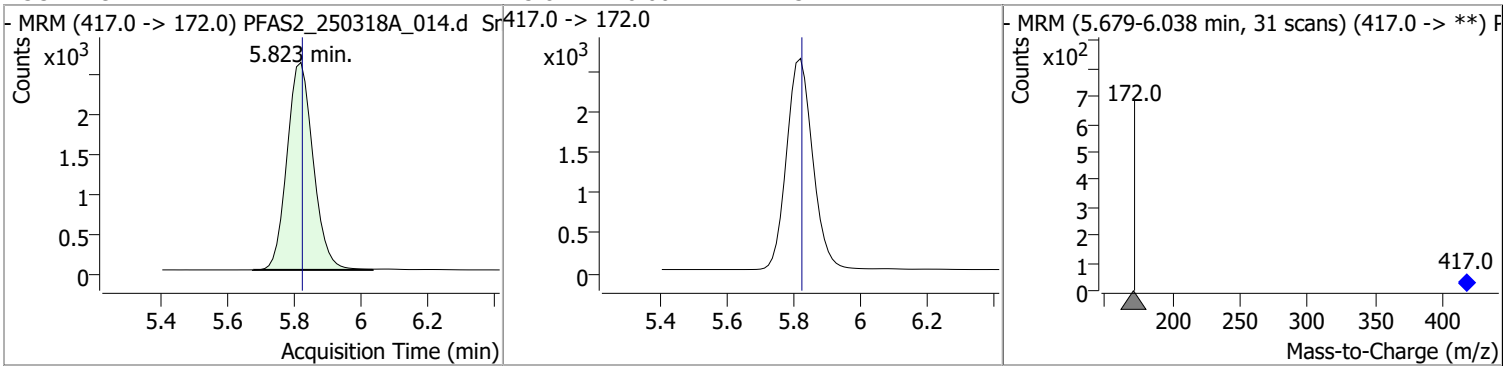
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



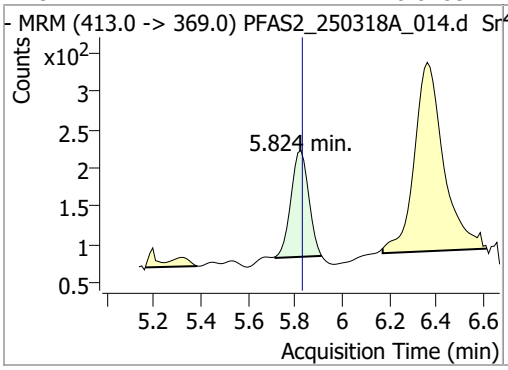
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3981	5.82	0.00	151579				

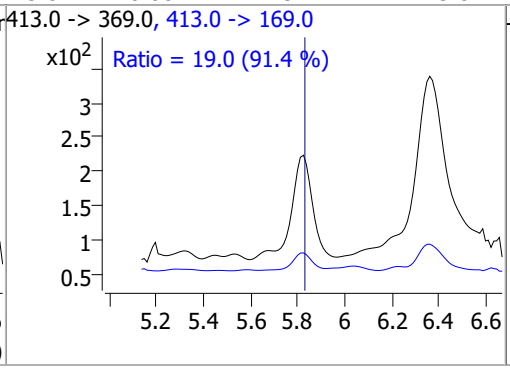


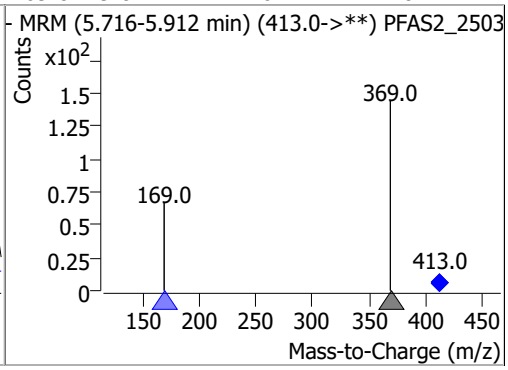
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14134				



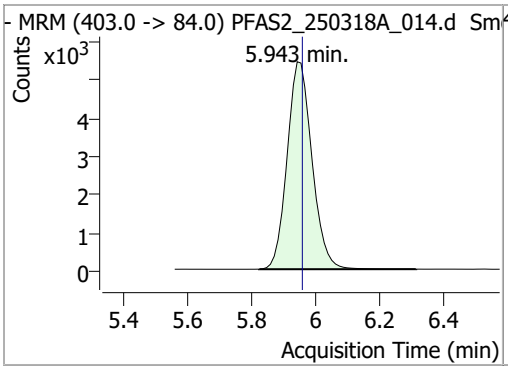
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0485	5.82	0.00	729	413.0 -> 169.0	19.0	14.6	27.0

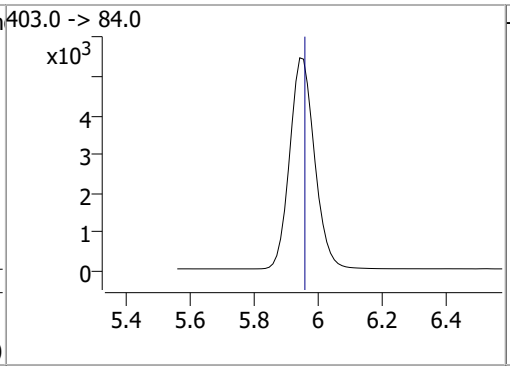


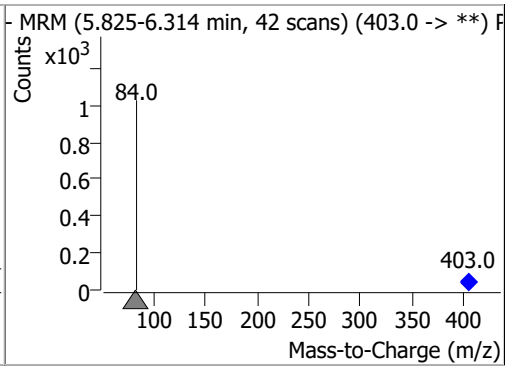




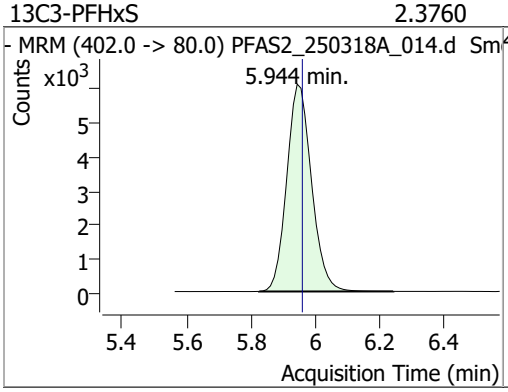
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	-0.01	29122				

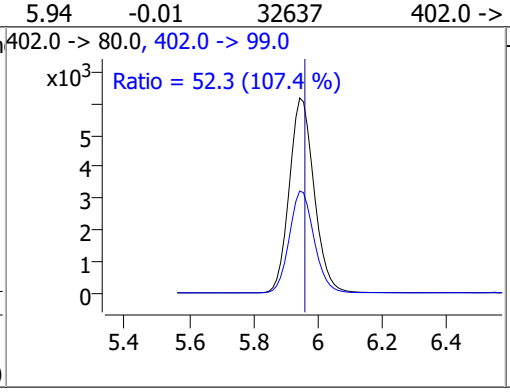


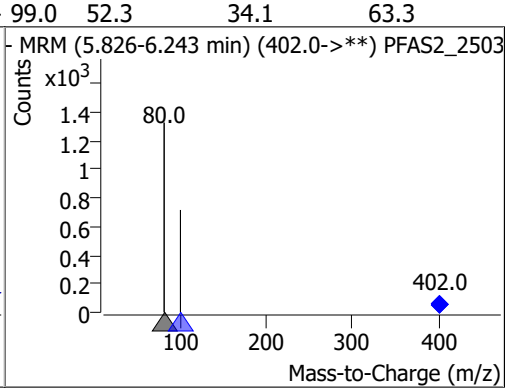




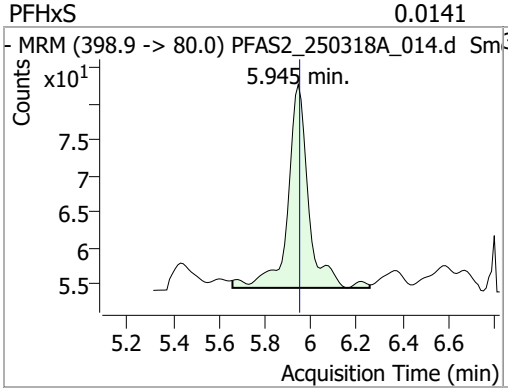
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3760	5.94	-0.01	32637	402.0 -> 99.0	52.3	34.1	63.3

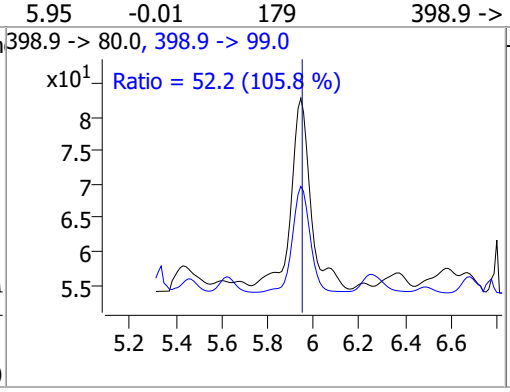


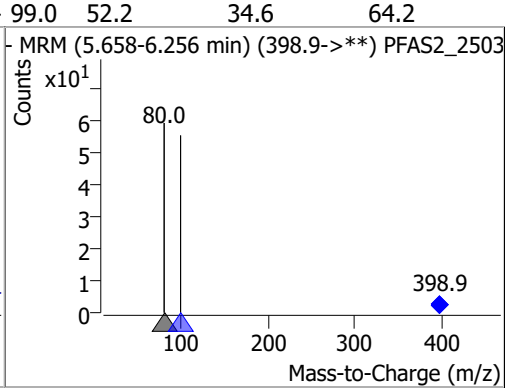




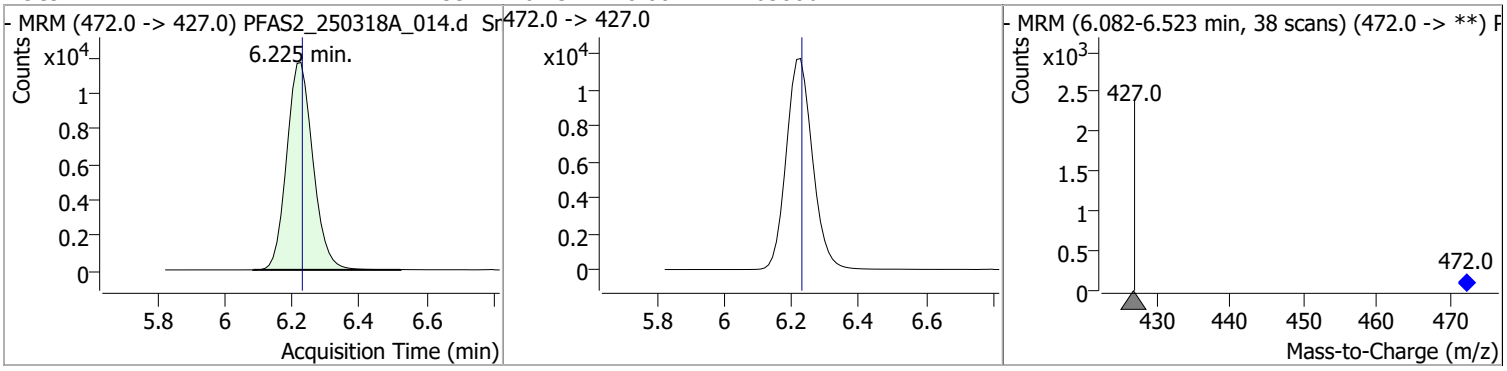
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0141	5.95	-0.01	179	398.9 -> 99.0	52.2	34.6	64.2



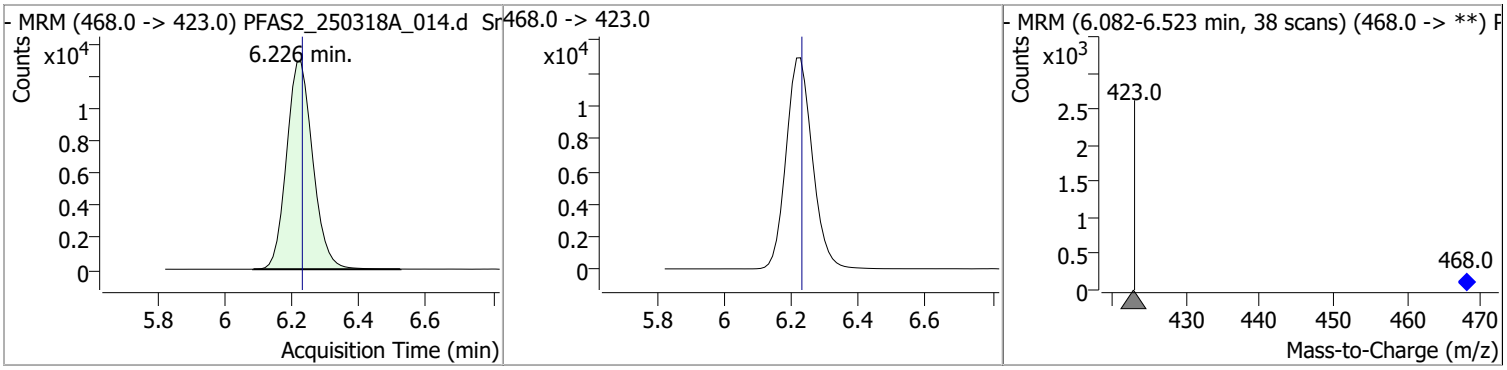




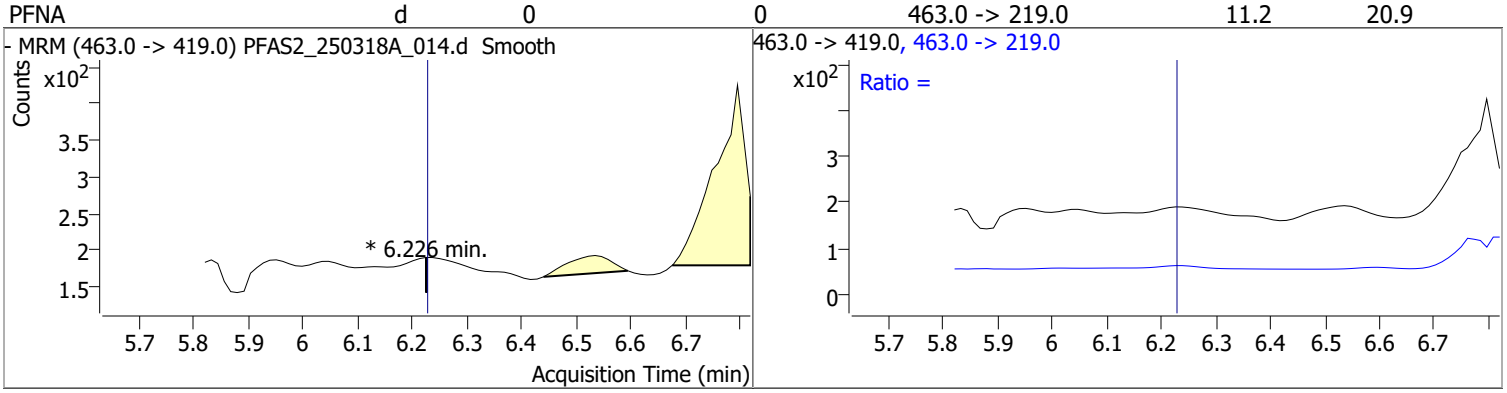
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1455	6.23	0.00	63806				



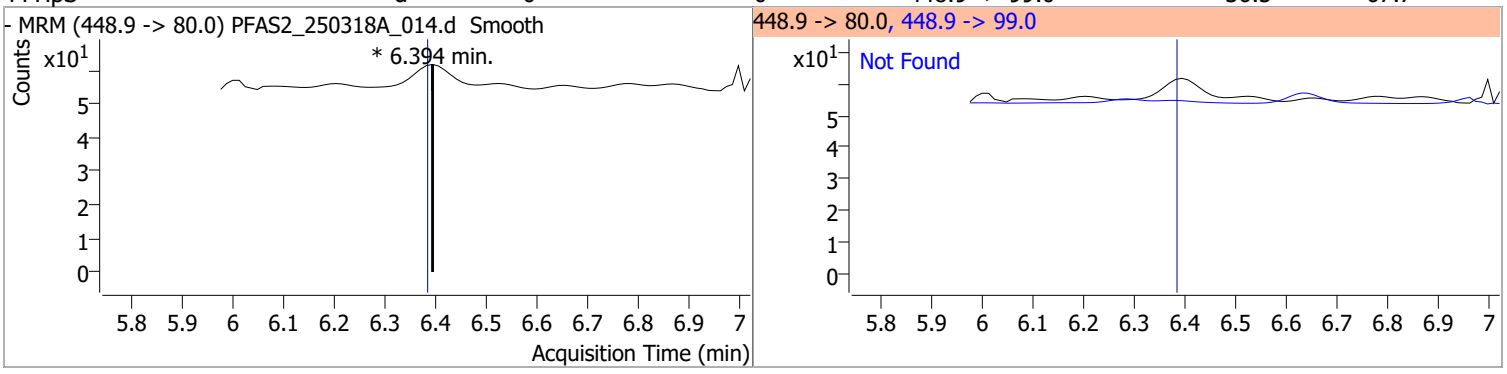
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	70296				



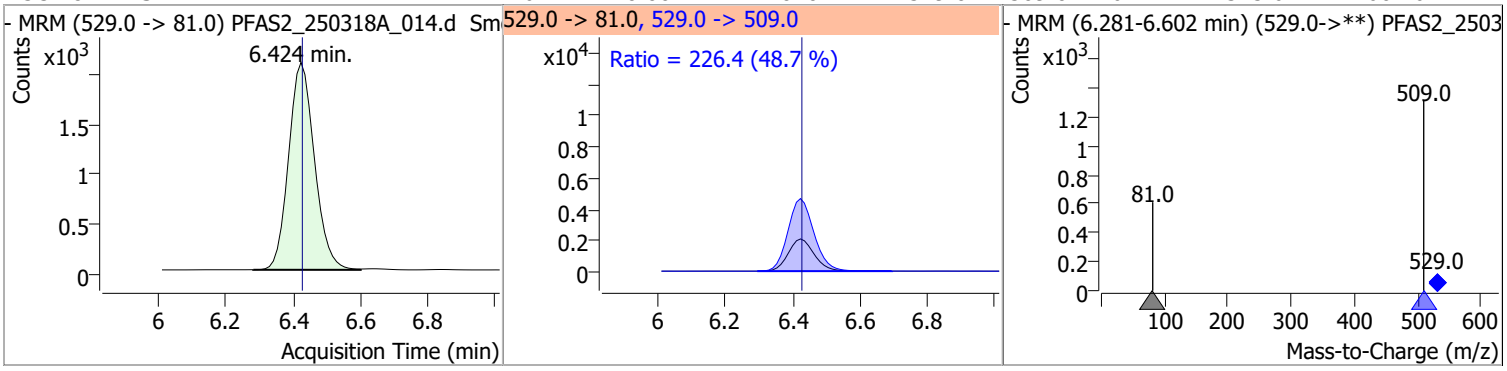
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



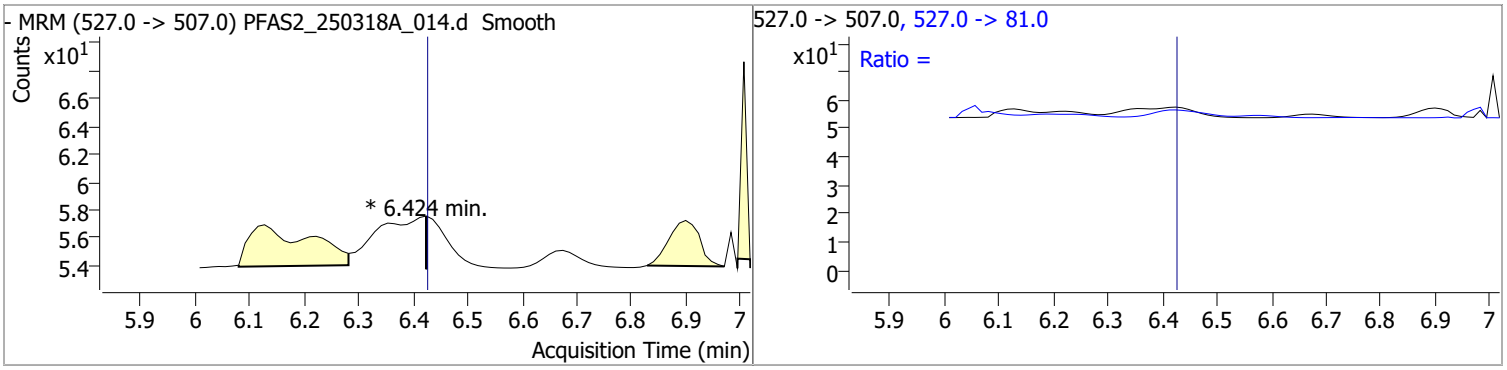
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



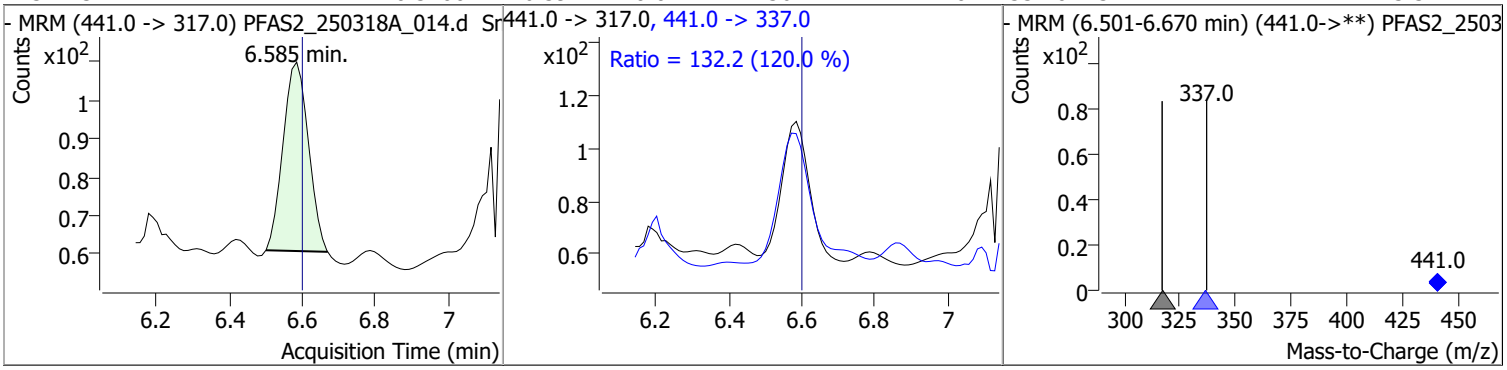
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7221	6.42	0.00	11010	529.0 -> 509.0	226.4	325.6	604.6



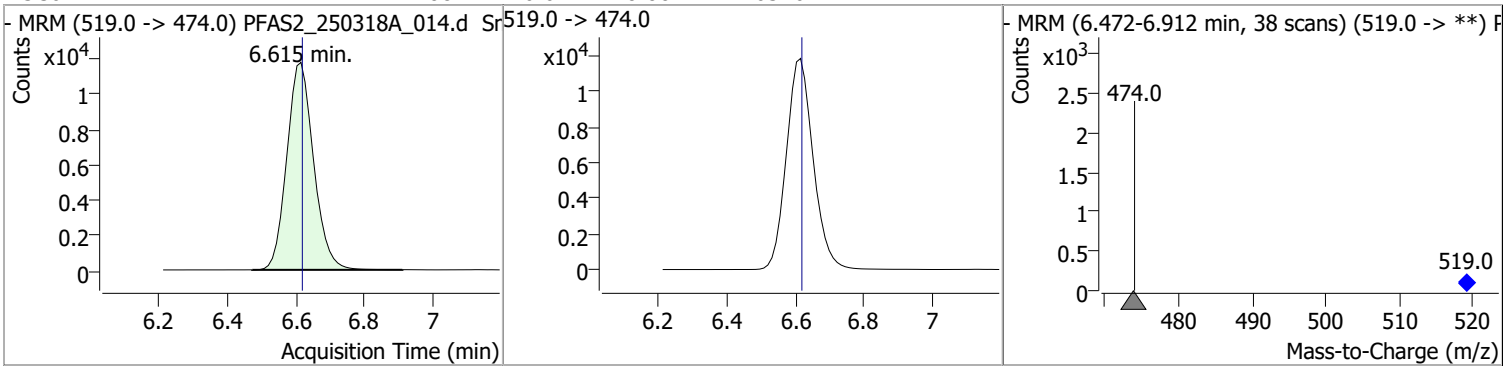
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



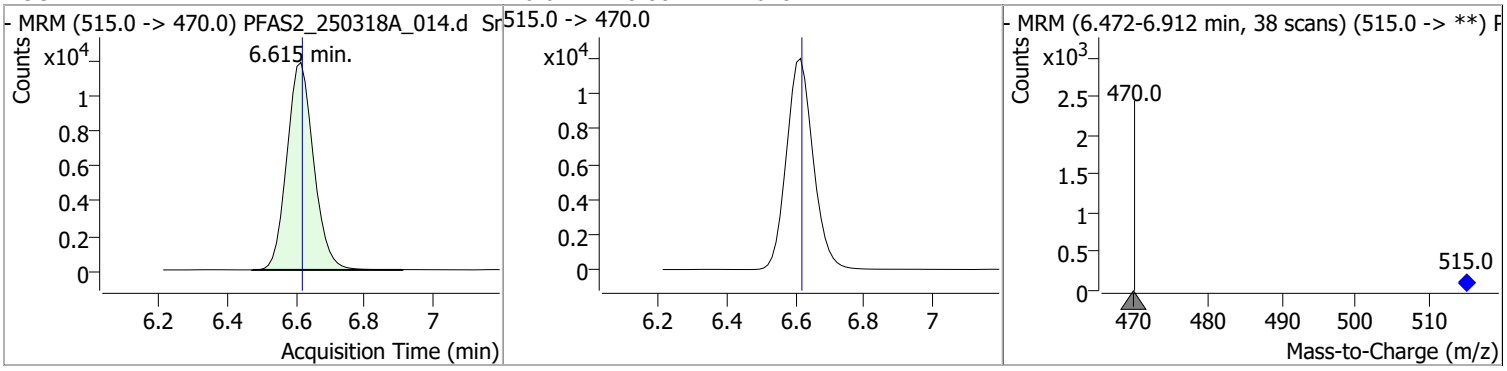
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.3200	6.59	-0.01	236	441.0 -> 337.0	132.2	77.1	143.3



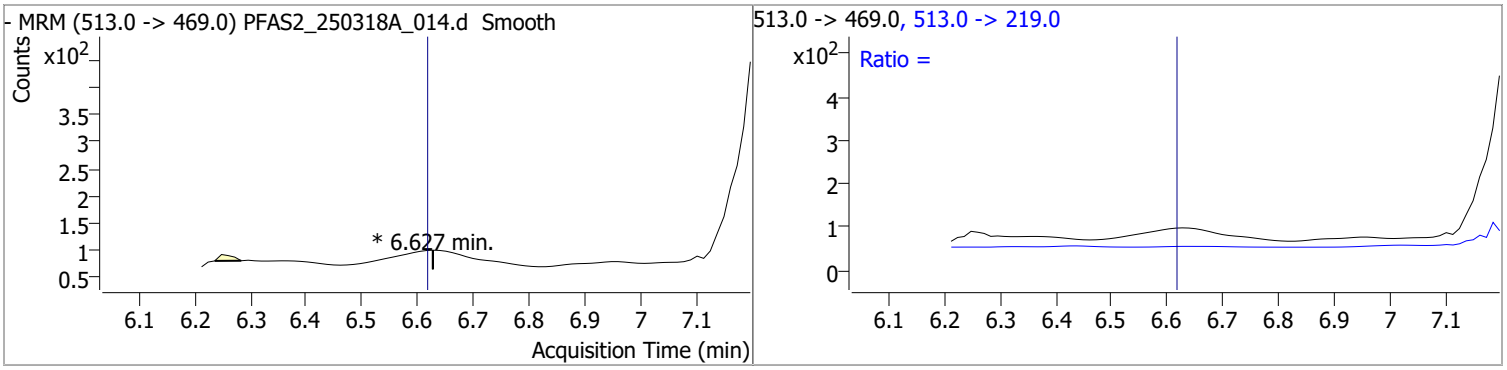
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2084	6.61	0.00	63762				



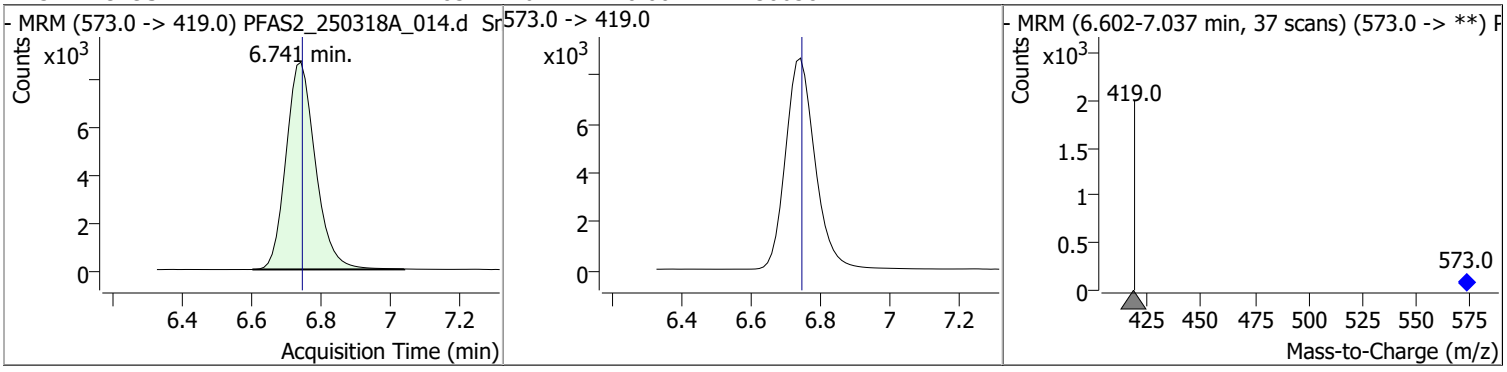
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	64842				



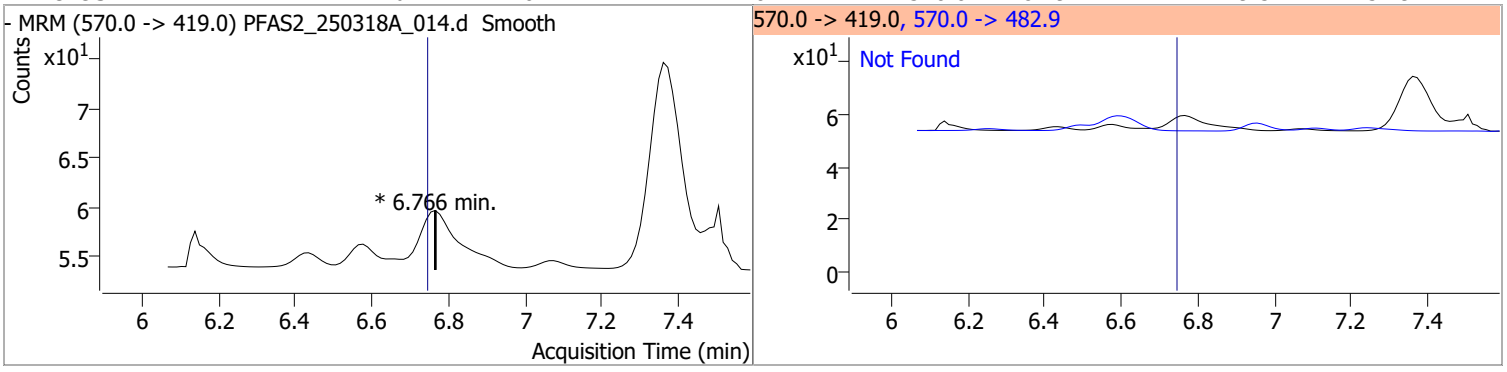
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



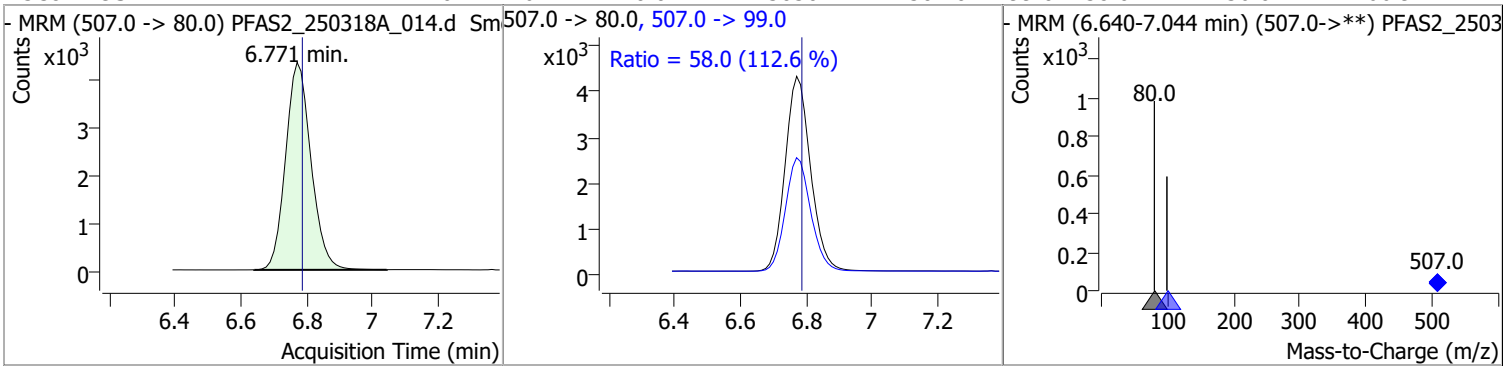
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4183	6.74	0.00	50658				



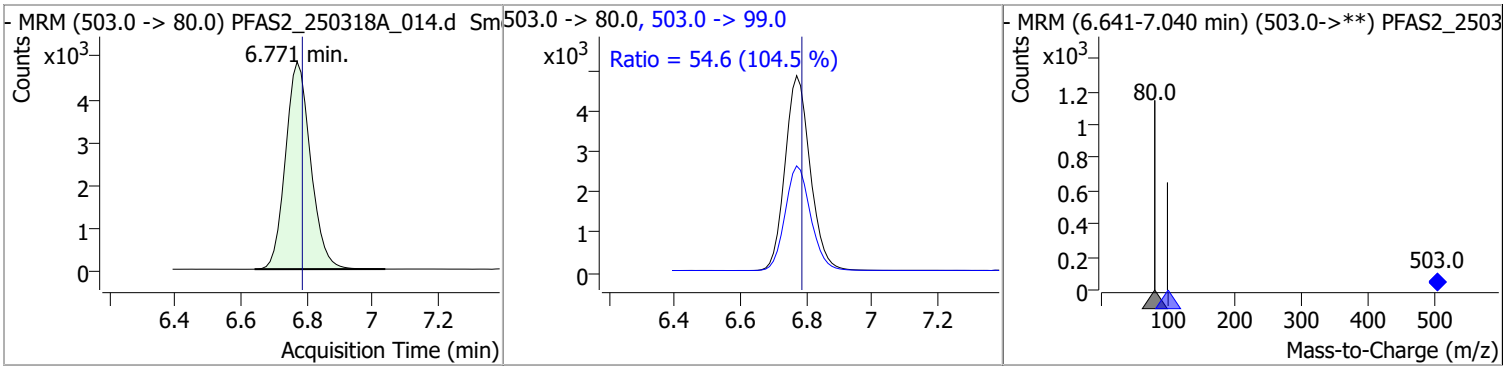
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



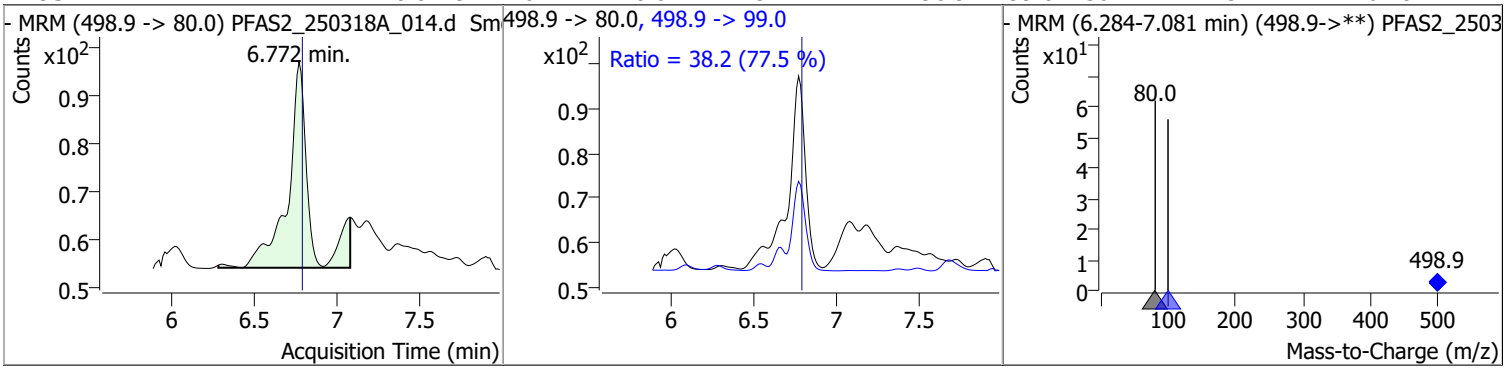
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2207	6.77	-0.01	23030	507.0 -> 99.0	58.0	36.0	66.9



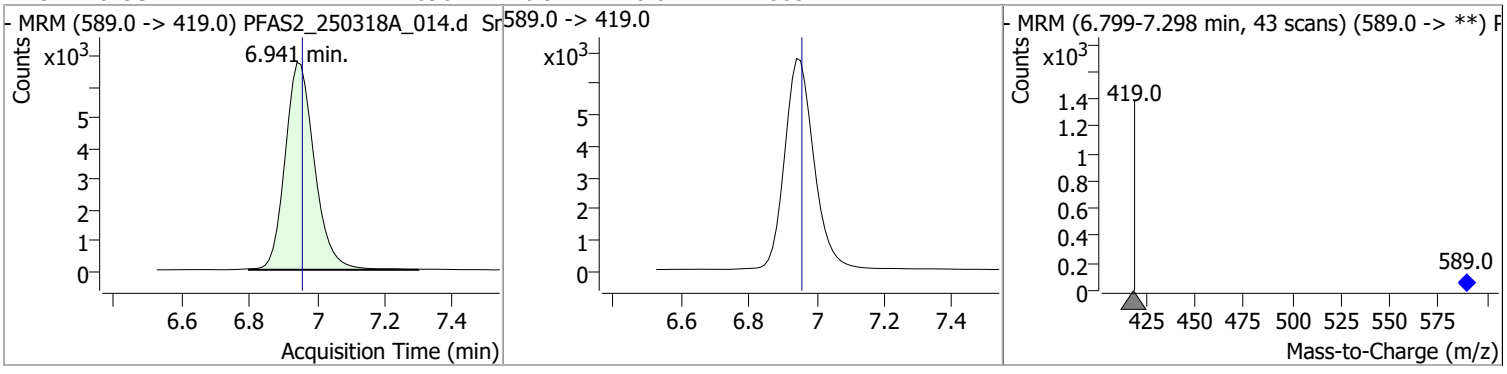
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	25553	503.0 -> 99.0	54.6	36.6	67.9



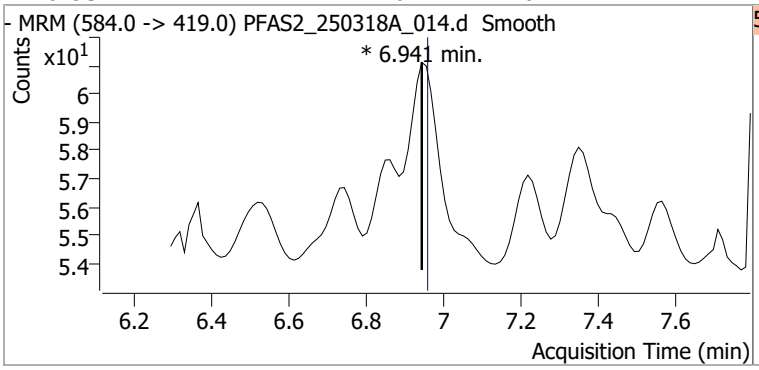
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0715	6.77	-0.01	374	498.9 -> 99.0	38.2	34.4	64.0

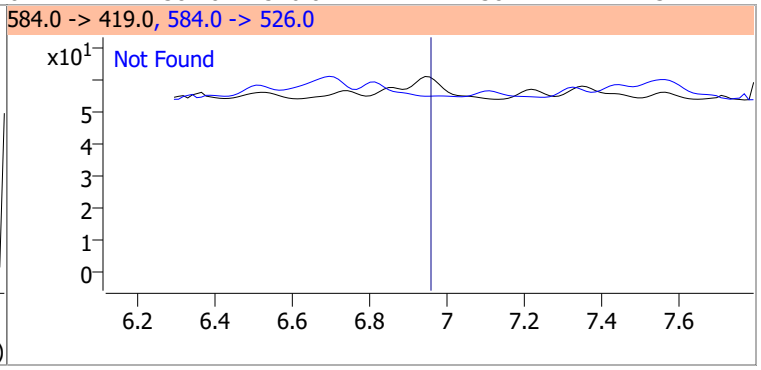


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6962	6.94	-0.01	40651				

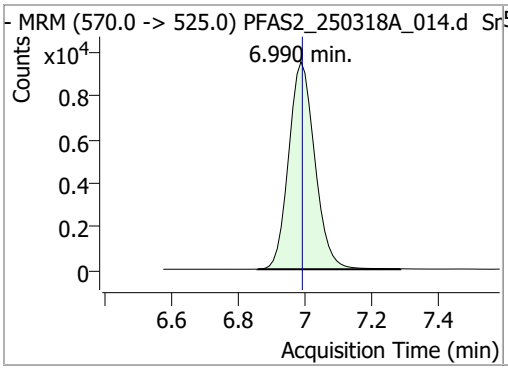


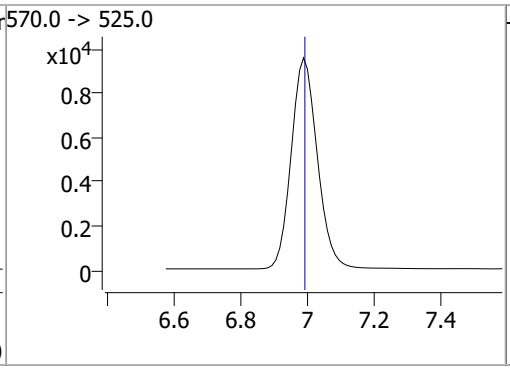
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

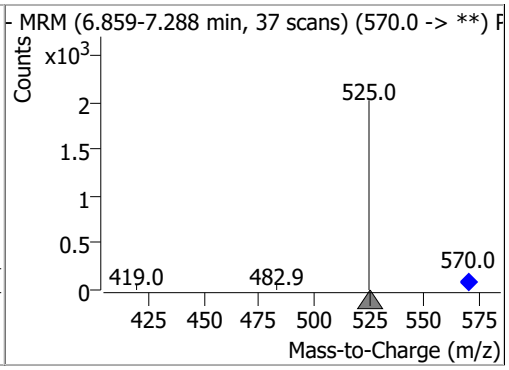




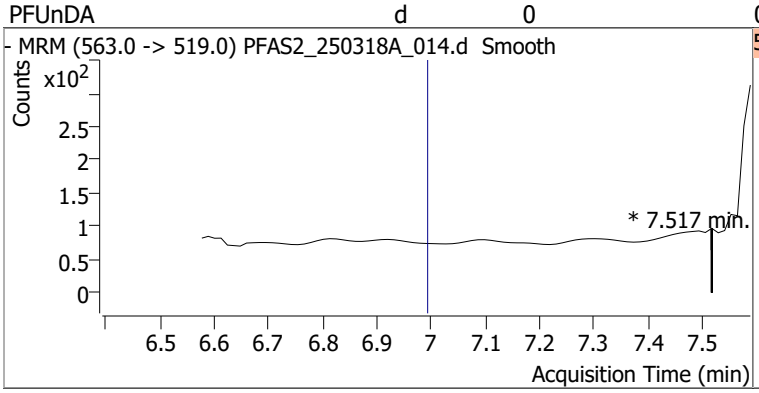
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2508	6.99	0.00	52014				

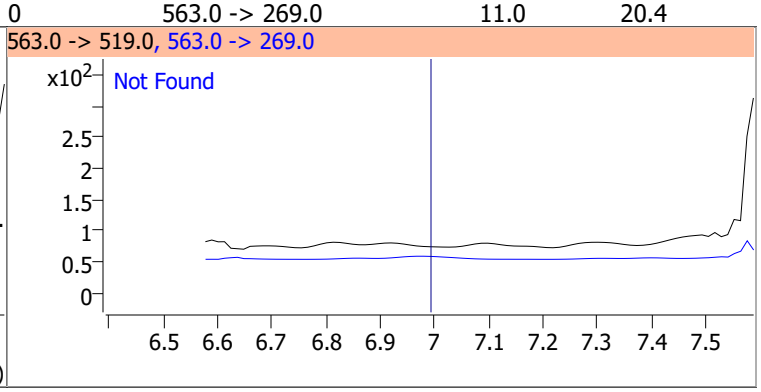




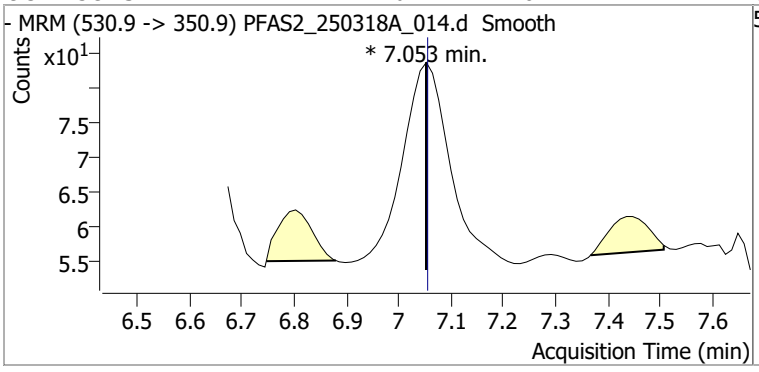


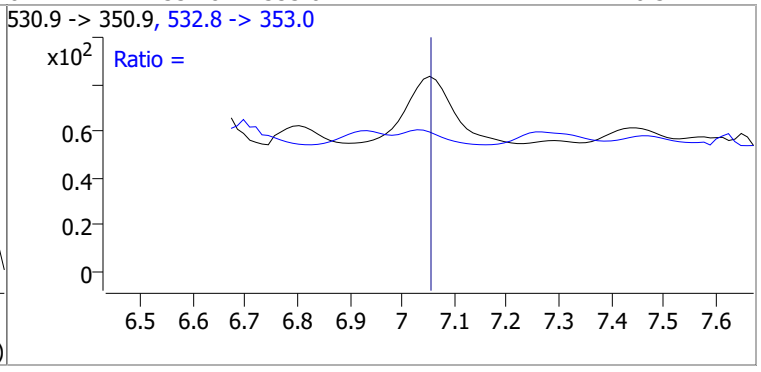
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



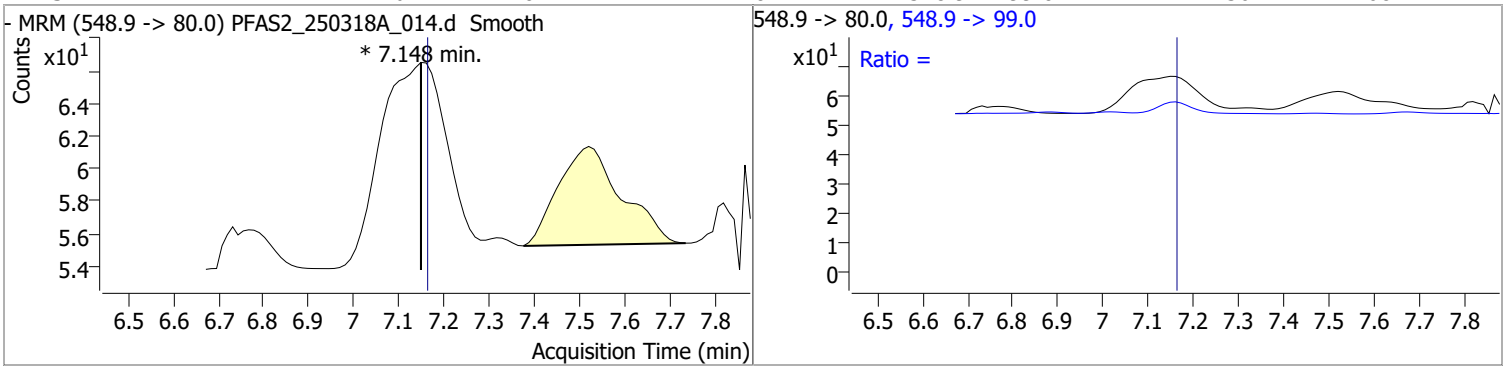


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

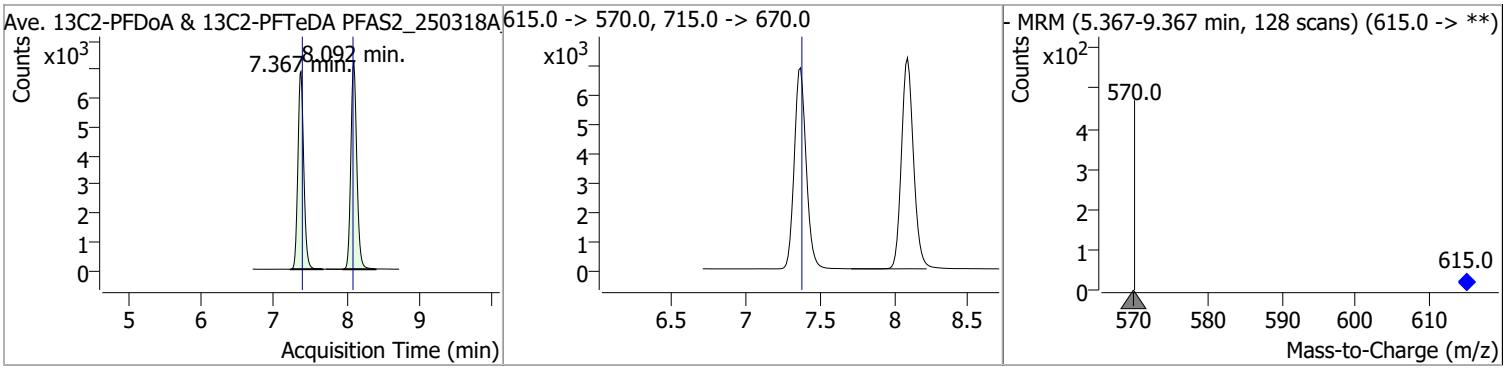




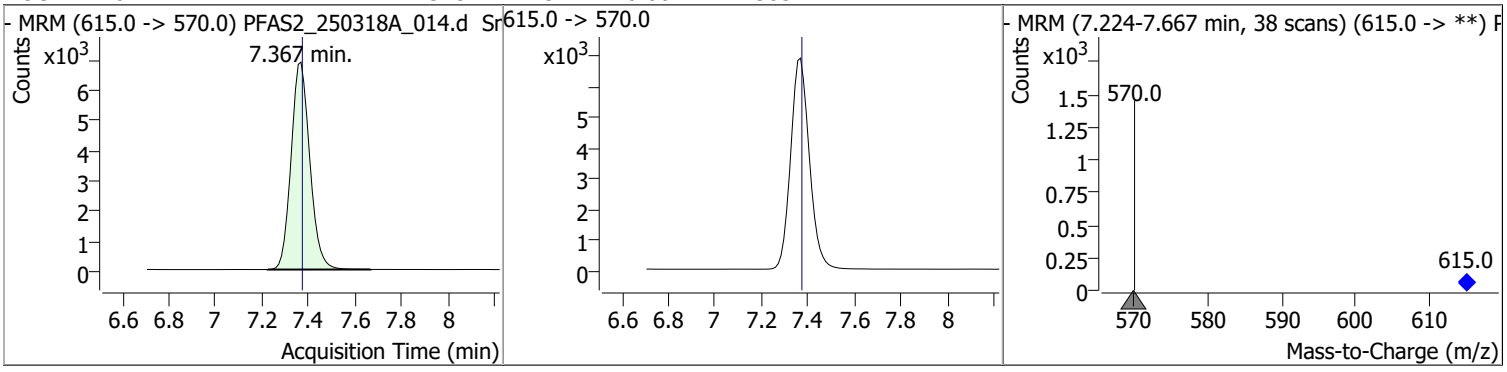
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



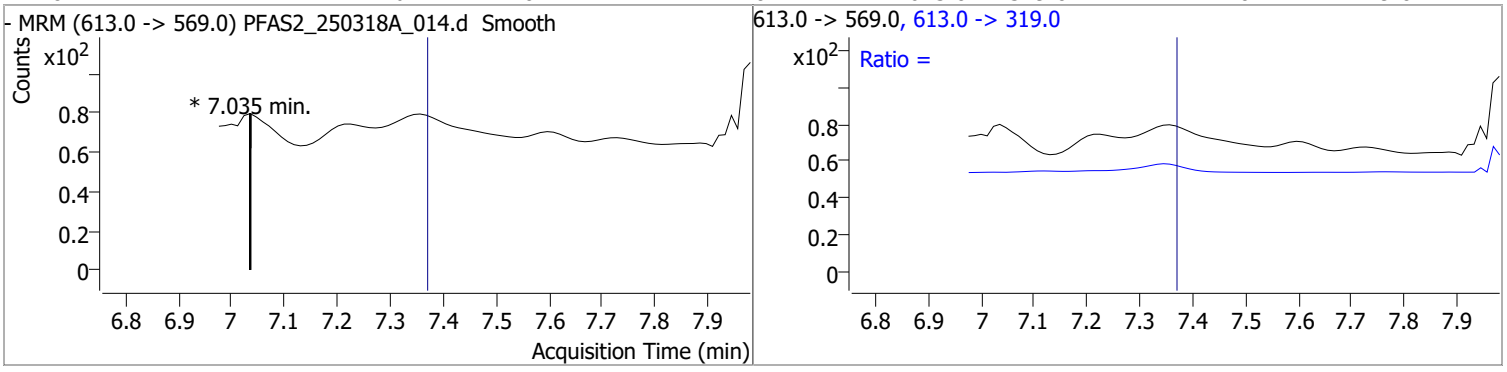
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1589	7.73	0.36	39722				



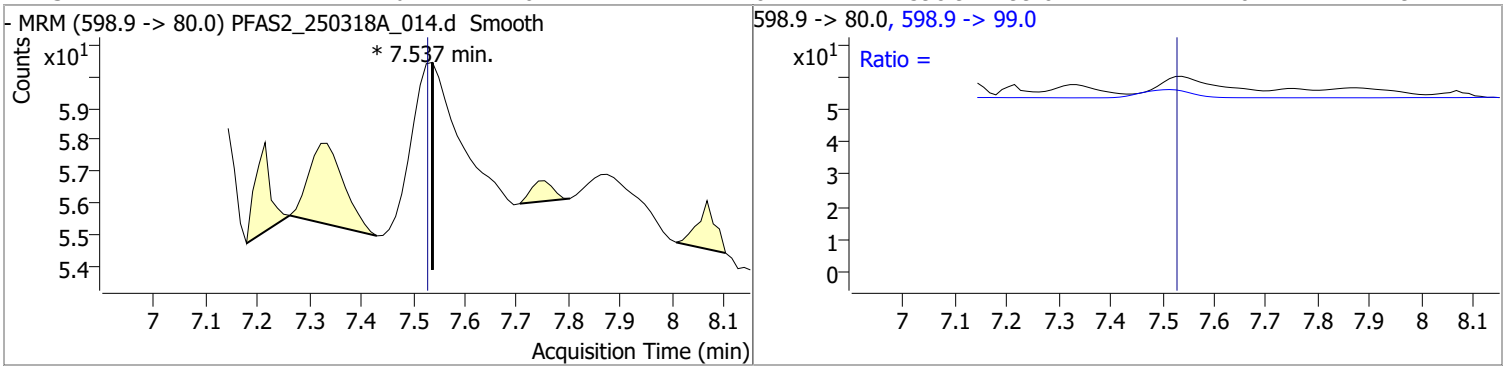
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2378	7.37	0.00	38347				



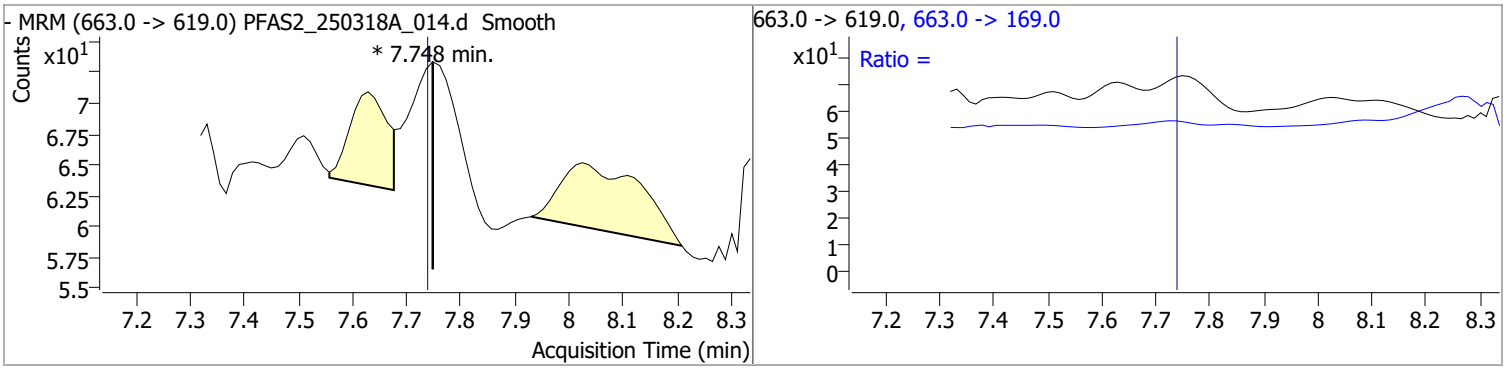
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



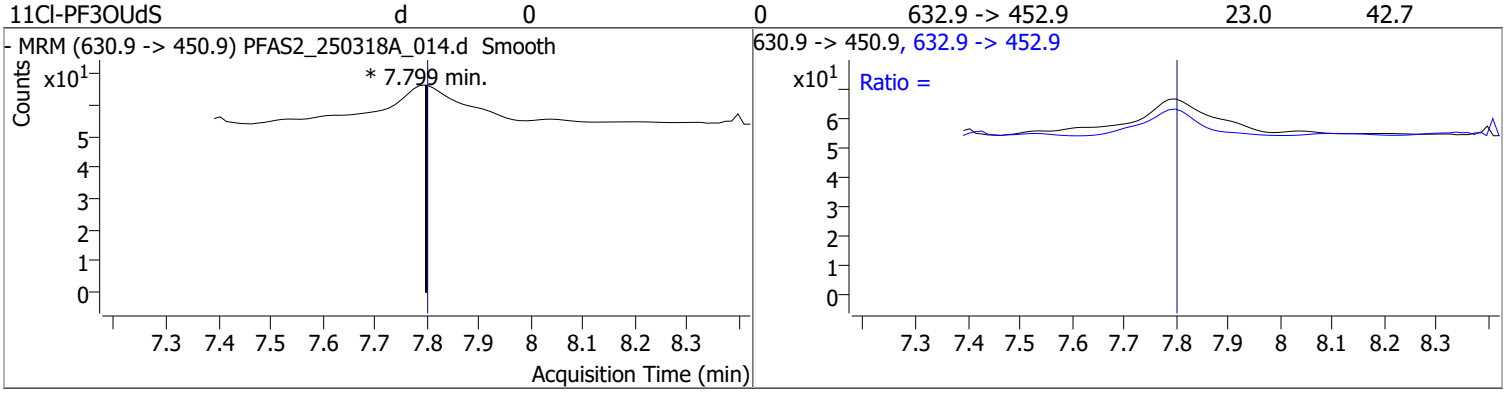
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



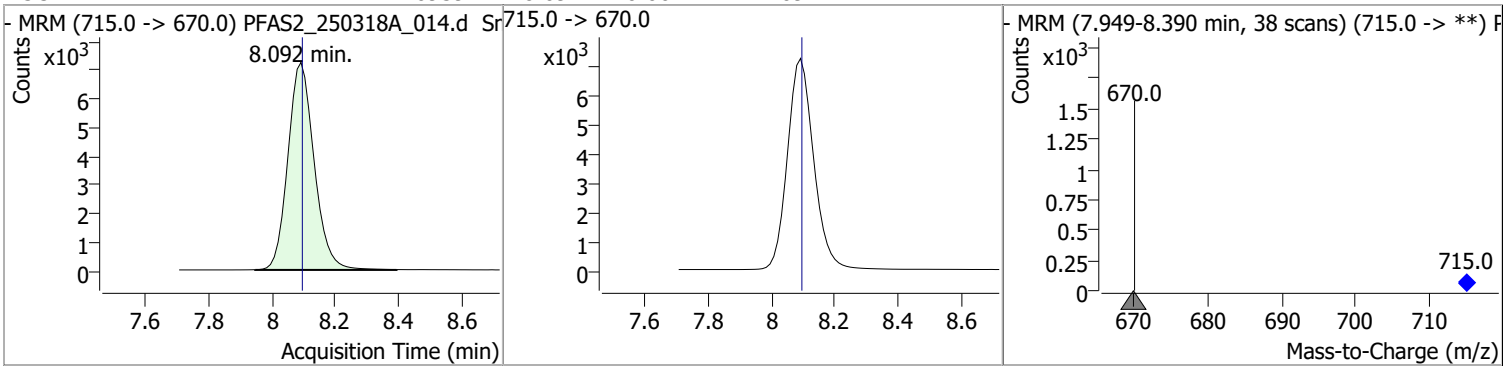
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



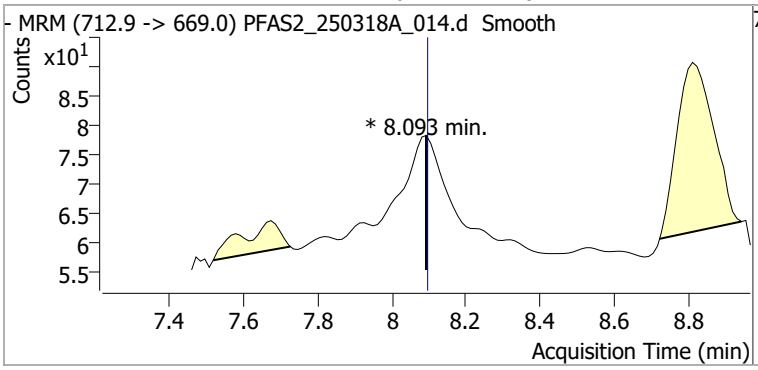
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

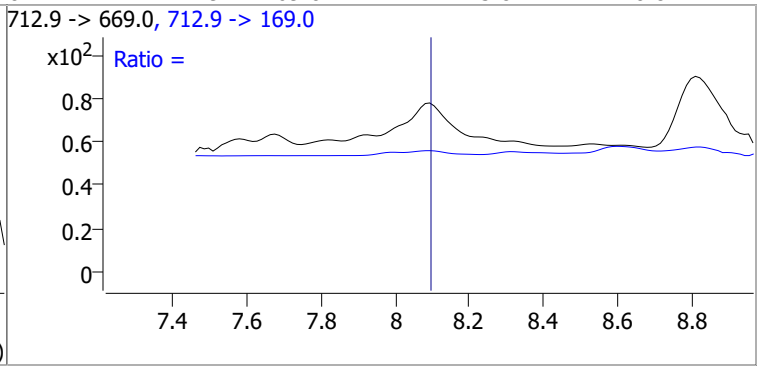


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.0939	8.09	0.00	41097				

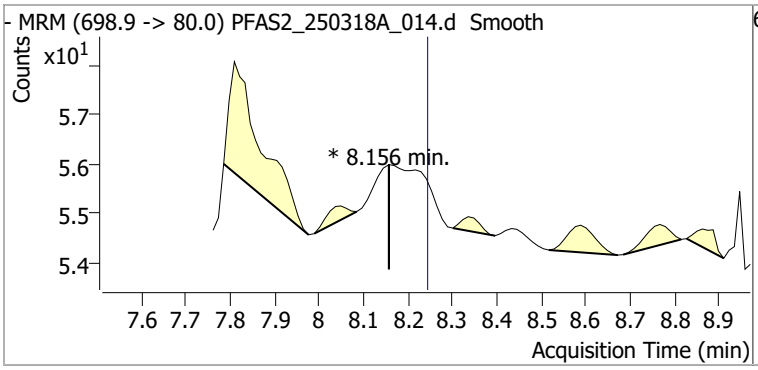


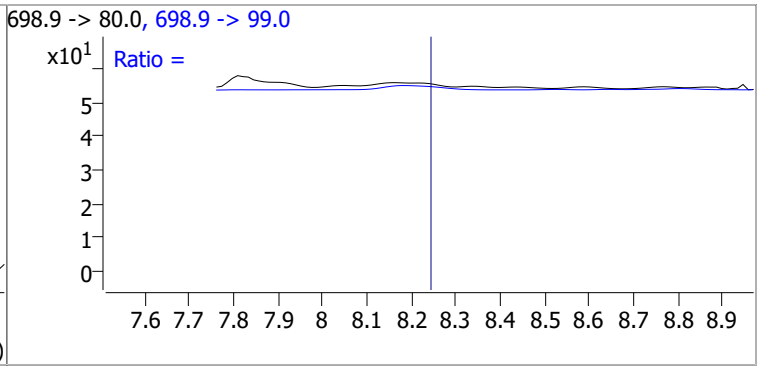
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



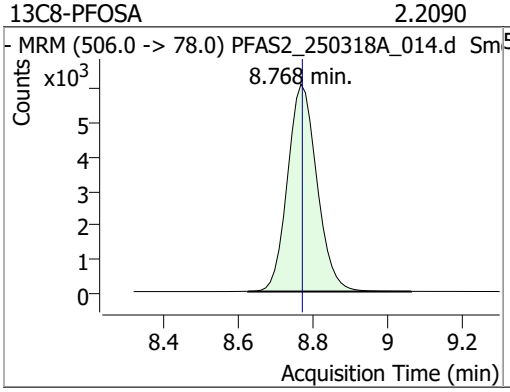


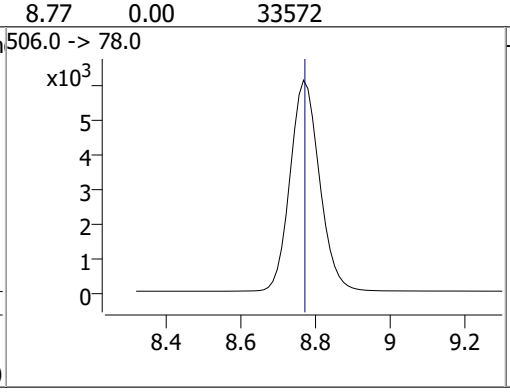
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

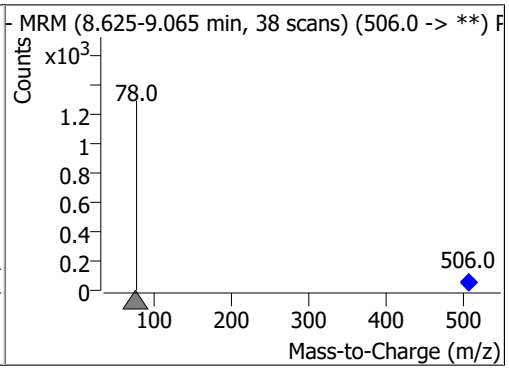




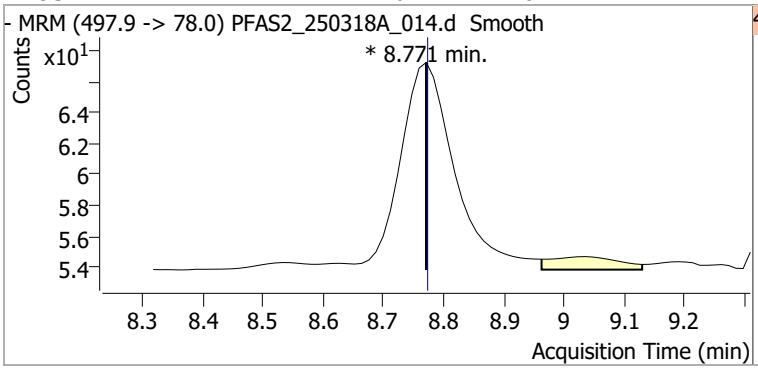
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2090	8.77	0.00	33572				

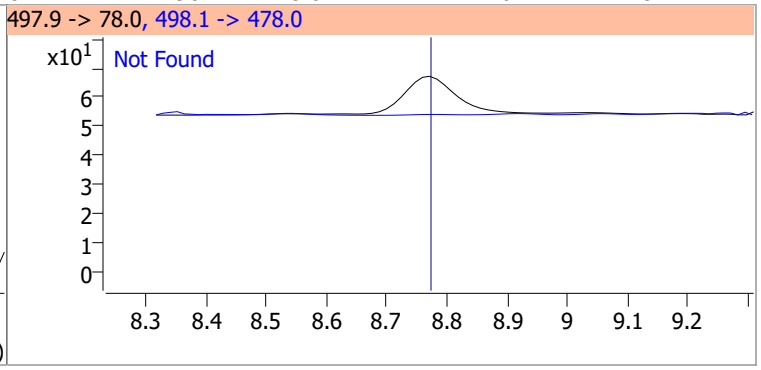




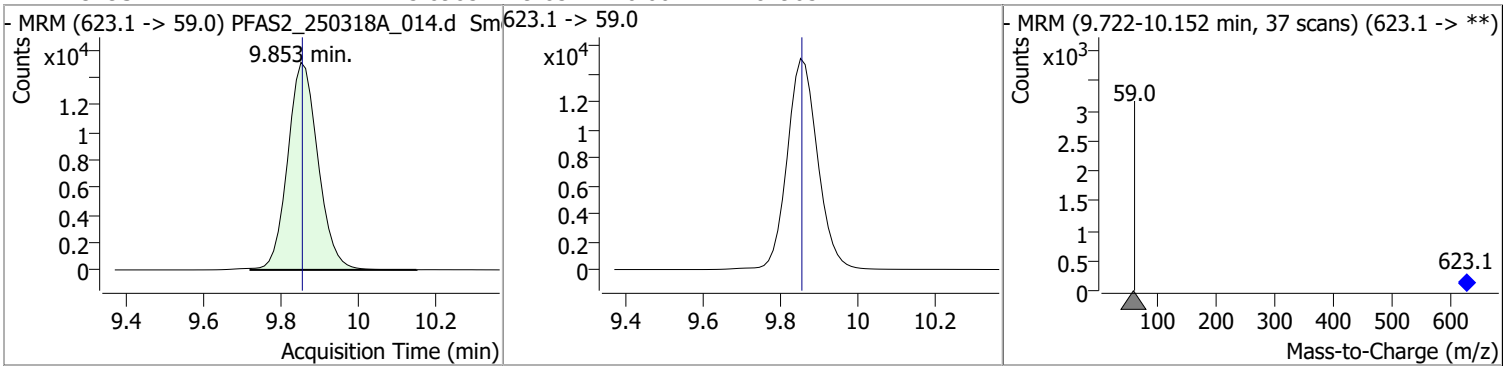


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

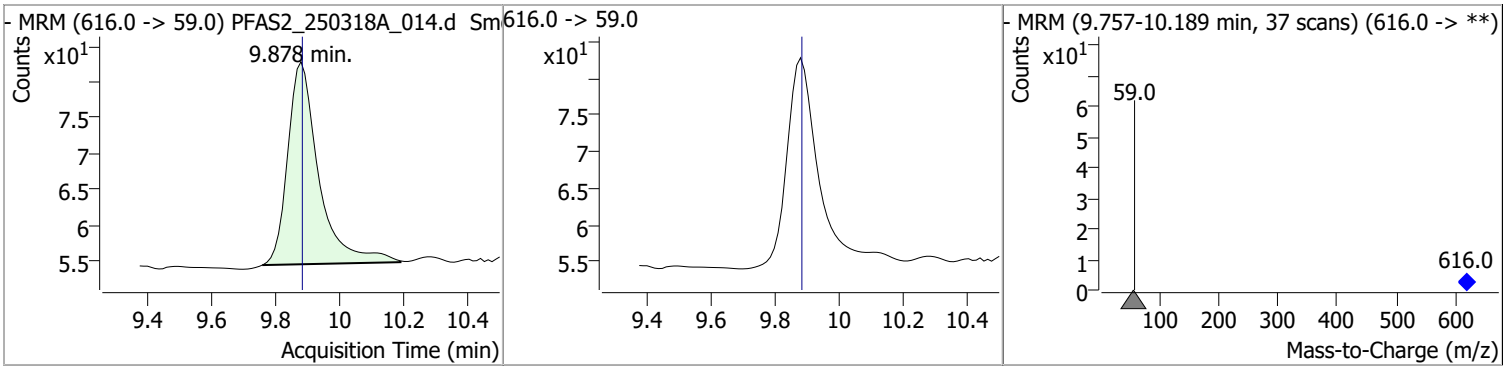




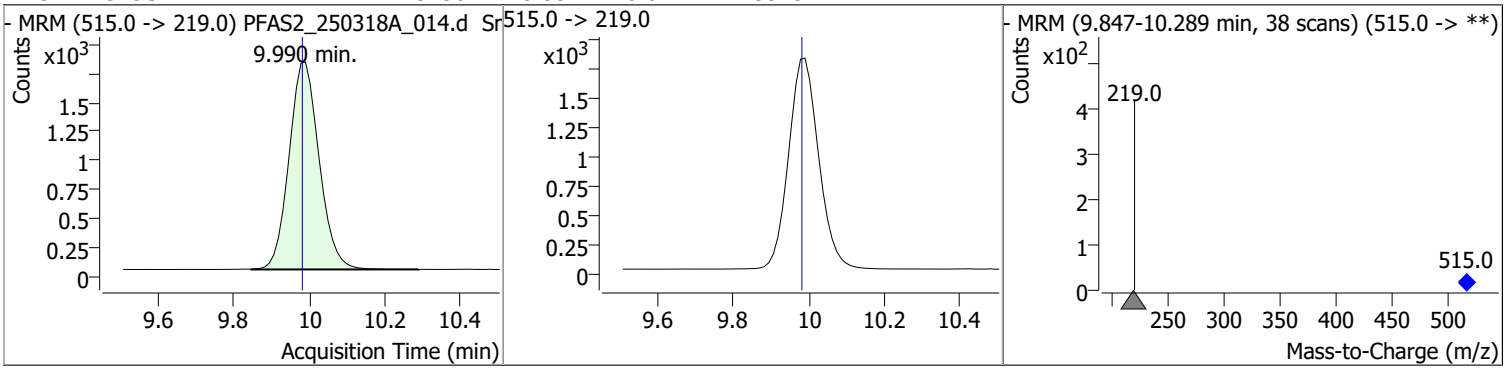
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	15.8985	9.85	0.00	81905				



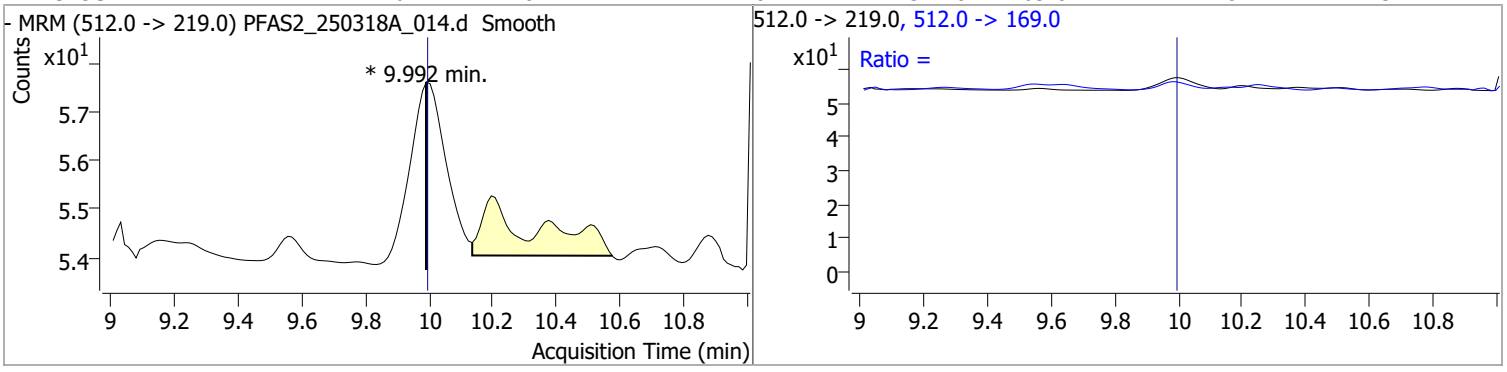
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0304	9.88	0.00	190				



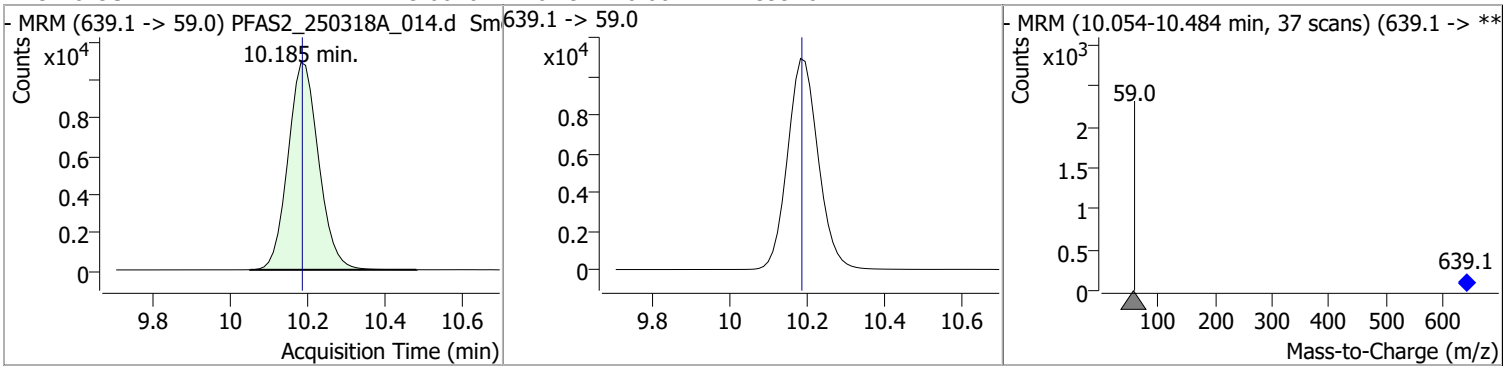
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3256	9.99	0.01	9919				



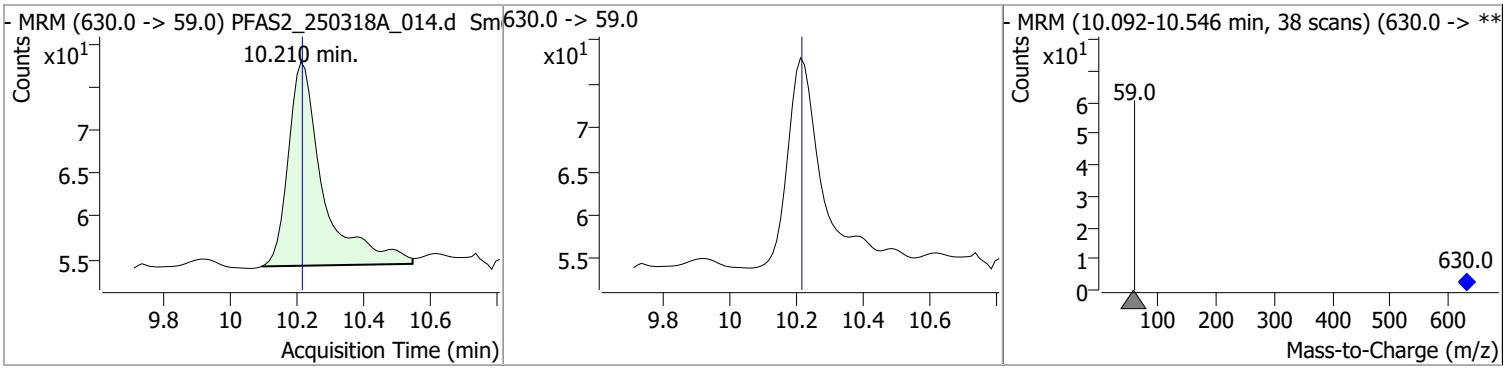
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



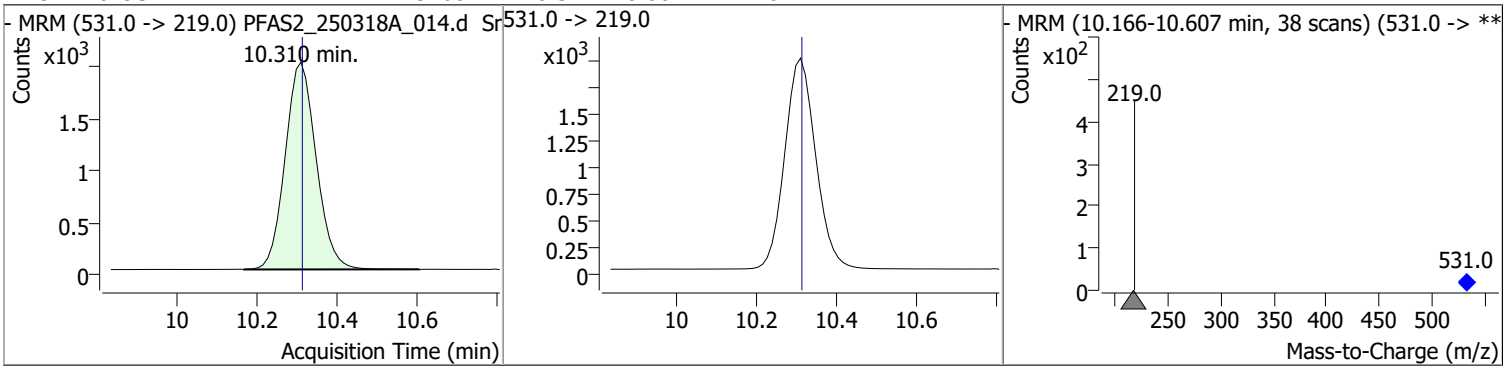
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.0070	10.19	0.00	59978				



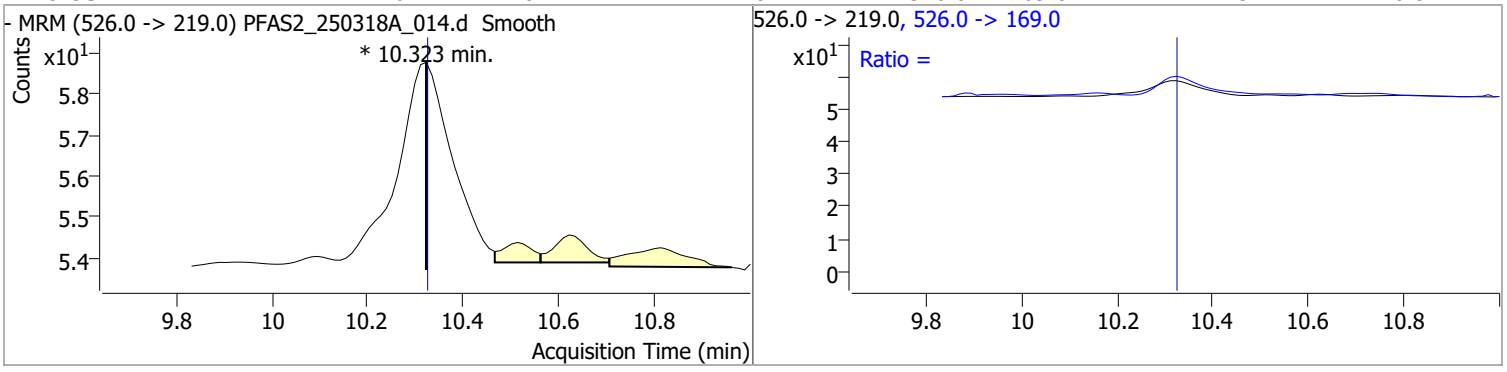
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0895	10.21	0.00	172				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3260	10.31	0.00	10727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_014.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:17:48 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

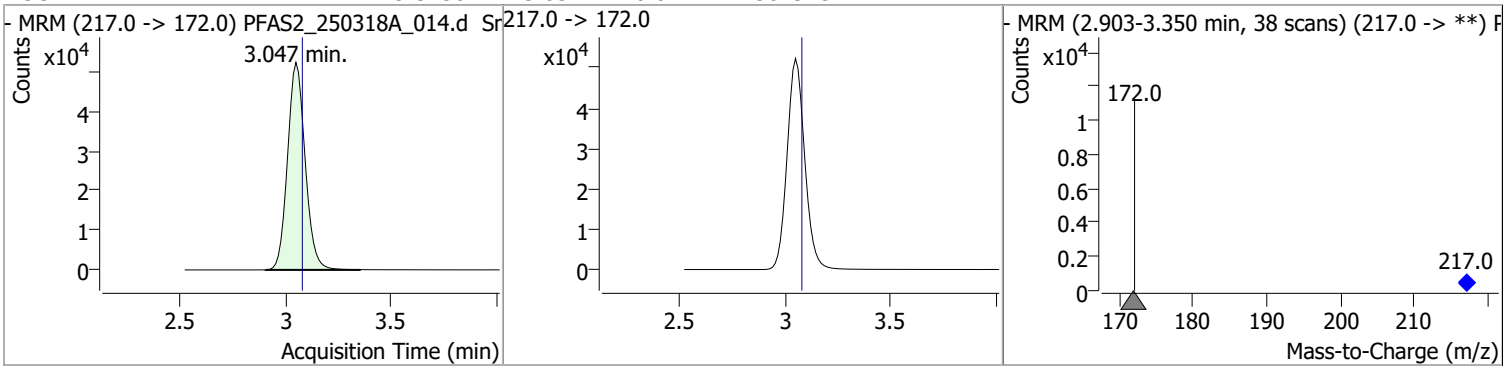
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	139656	5.0000	µg/L		2.056
13C2-PFHxA	4.878	315.0 -> 270.0	144513	2.5000	µg/L		-5.809
18O2-PFHxS	5.943	403.0 -> 84.0	29122	2.5000	µg/L		-1.716
13C4-PFOA	5.823	417.0 -> 172.0	14134	2.5000	µg/L		-8.503
13C5-PFNA	6.226	468.0 -> 423.0	70296	1.2500	µg/L		-1.231
13C2-PFDA	6.615	515.0 -> 470.0	64842	1.2500	µg/L		-3.042
13C4-PFOS	6.771	503.0 -> 80.0	25553	2.5000	µg/L		2.585
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	302923	10.0000	µg/L		-2.544
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.45%			
13C5-PFPeA	4.210	268.0 -> 223.0	194311	5.0000	µg/L		-6.093
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C5-PFPeA	4.210	268.0 -> 223.0	194311	5.0000	µg/L		-6.093
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C2-4-2 FTSA	4.685	329.0 -> 81.0	26432	5.0000	µg/L	#	4.621
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.88%			
13C5-PFHxA	4.877	318.0 -> 273.0	148500	2.5000	µg/L		-12.049
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.35%			
13C5-PFHxA	4.877	318.0 -> 273.0	148500	2.5000	µg/L		-12.049
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.35%			
13C3-PFBS	4.917	302.0 -> 80.0	55447	2.5000	µg/L		-8.689
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.00%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	161689	10.0000	µg/L		-7.485
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.22%			
13C4-PFHpA	5.385	367.0 -> 322.0	178854	2.5000	µg/L		-5.312
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.56%			
13C3-PFHxS	5.944	402.0 -> 80.0	32637	2.5000	µg/L		-6.615
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15255	5.0000	µg/L	#	3.296
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.21%			
13C8-PFOA	5.823	421.0 -> 376.0	151579	2.5000	µg/L		-12.250
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.92%			
13C3-PFHxS	5.944	402.0 -> 80.0	32637	2.5000	µg/L		-6.615
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.04%			
13C9-PFNA	6.225	472.0 -> 427.0	63806	1.2500	µg/L		-9.449
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.64%			
13C8-PFOS	6.771	507.0 -> 80.0	23030	2.5000	µg/L		-8.912
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.83%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11010	5.0000	µg/L	#	-7.058
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.44%			
13C6-PFDA	6.615	519.0 -> 474.0	63762	1.2500	µg/L		-6.178
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.67%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	50658	5.0000	µg/L		-9.246
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 88.37%			
13C8-PFOS	6.771	507.0 -> 80.0	23030	2.5000	µg/L		-8.912

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.83%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	40651	5.0000	µg/L		-3.602
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.92%			
13C7-PFUnDA	6.990	570.0 -> 525.0	52014	1.2500	µg/L		-2.965
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	39722	1.2500	µg/L		-9.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.72%			
13C2-PFDoDA	7.367	615.0 -> 570.0	38347	1.2500	µg/L		-4.000
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.02%			
13C2-PFTDA	8.092	715.0 -> 670.0	41097	1.2500	µg/L		-14.887
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 87.51%			
13C8-PFOSA	8.768	506.0 -> 78.0	33572	2.5000	µg/L		-9.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.36%			
2H7-MeFOSE	9.853	623.1 -> 59.0	81905	25.0000	µg/L		-34.812
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 63.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9919	2.5000	µg/L		-4.346
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.02%			
2H9-EtFOSE	10.185	639.1 -> 59.0	59978	25.0000	µg/L		-5.559
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 92.03%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10727	2.5000	µg/L		-4.565
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.04%			
Target Compounds							QValue
PFBA	3.043	213.0 -> 169.0	324	0.0933	µg/L		100
PFMPA	3.602	229.0 -> 85.0	83	0.0594	µg/L		100
3-3 FTCA	3.778	241.0 -> 177.0	11	0.0000	µg/L		21
PFPeA	4.211	263.0 -> 219.0	1255	0.0595	µg/L		100
PFMBA	4.453	279.0 -> 85.0	78	0.0365	µg/L		100
4-2 FTSA	4.686	327.0 -> 307.0	143	0.0089	µg/L	#	71
NFDHA	4.811	295.0 -> 201.0	6	0.0051	µg/L	#	1
PFHxA	4.867	313.0 -> 269.0	287	0.0054	µg/L	#	72
PFBS	4.918	298.9 -> 80.0	83	0.0036	µg/L	#	58
HFPO-DA	5.075	285.0 -> 169.0	80	0.0056	µg/L		33
PFEESA	5.189	314.9 -> 135.0	216	0.0544	µg/L		80
PFHpA	5.374	363.0 -> 319.0	659	0.0308	µg/L	#	82
5-3 FTCA	5.423	341.0 -> 237.0	209	0.2276	µg/L		100
PFPeS	5.518	348.9 -> 80.0	58	0.0033	µg/L	#	67
DONA	5.539	377.0 -> 251.0	252	0.0701	µg/L	#	82
6-2 FTSA	5.642	427.0 -> 407.0	129	0.1220	µg/L		98
PFOA	5.824	413.0 -> 369.0	729	0.0485	µg/L		96
PFHxS	5.945	398.9 -> 80.0	179	0.0141	µg/L		96
PFNA	6.226	463.0 -> 419.0	78	0.0083	µg/L	#	62
PFHpS	6.394	448.9 -> 80.0	31	0.0032	µg/L		26
8-2 FTSA	6.424	527.0 -> 507.0	29	0.0781	µg/L	#	37
7-3 FTCA	6.585	441.0 -> 317.0	236	0.3200	µg/L		79
PFDA	6.627	513.0 -> 469.0	147	0.0000	µg/L	#	86
N-MeFOSAA	6.766	570.0 -> 419.0	58	0.0146	µg/L		33
PFOS	6.772	498.9 -> 80.0	374	0.0715	µg/L		84
N-EtFOSAA	6.941	584.0 -> 419.0	74	0.0207	µg/L		24
PFUnDA	7.517	563.0 -> 519.0	76	0.0152	µg/L		63
9Cl-PF3ONS	7.053	530.9 -> 350.9	166	0.0682	µg/L	#	75
PFNS	7.148	548.9 -> 80.0	114	0.0145	µg/L	#	51
PFDoDA	7.035	613.0 -> 569.0	27	0.0010	µg/L	#	74
PFDS	7.537	598.9 -> 80.0	33	0.0056	µg/L		100
PFTrDA	7.748	663.0 -> 619.0	66	0.0022	µg/L	#	89

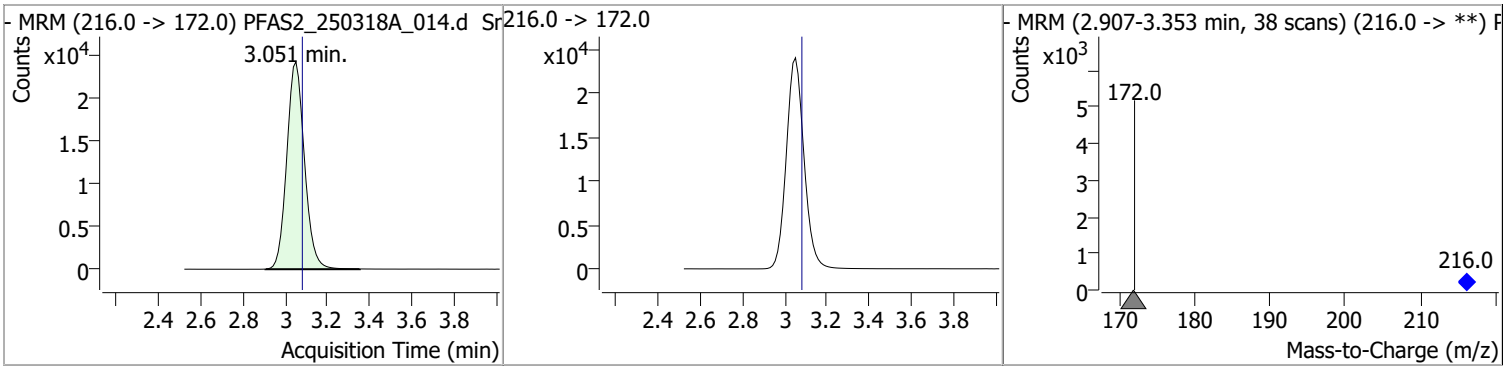
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.799	630.9 -> 450.9	103	0.0048	µg/L	#	59
PFTDA	8.093	712.9 -> 669.0	194	0.0134	µg/L	#	86
PFDoS	8.156	698.9 -> 80.0	3	0.0007	µg/L	#	1
PFOSA	8.771	497.9 -> 78.0	84	0.0072	µg/L		89
MeFOSE	9.878	616.0 -> 59.0	190	0.0304	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	27	0.0073	µg/L	#	22
EtFOSE	10.210	630.0 -> 59.0	172	0.0895	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	38	0.0092	µg/L		74

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

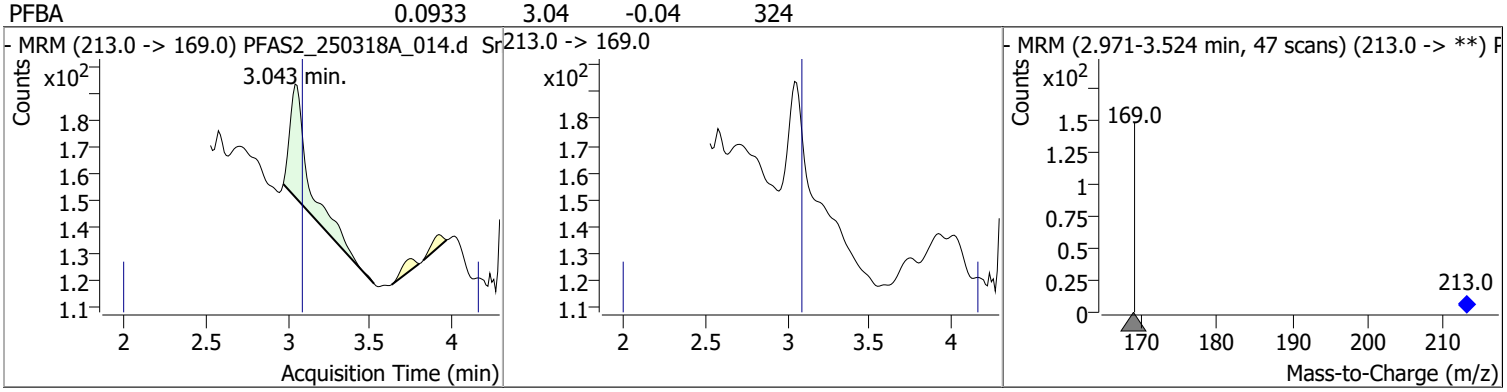
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.5450	3.05	-0.02	302923				



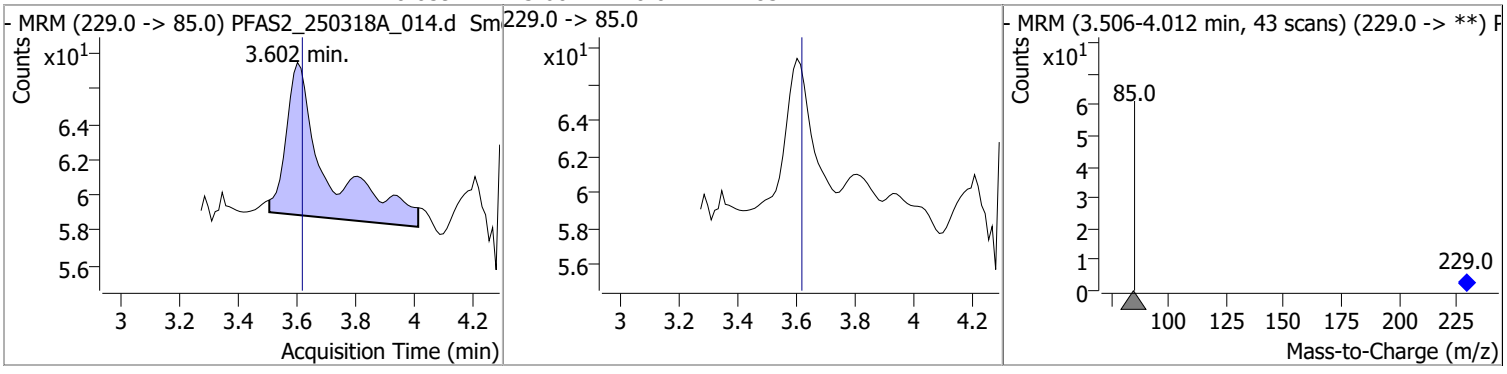
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	139656				



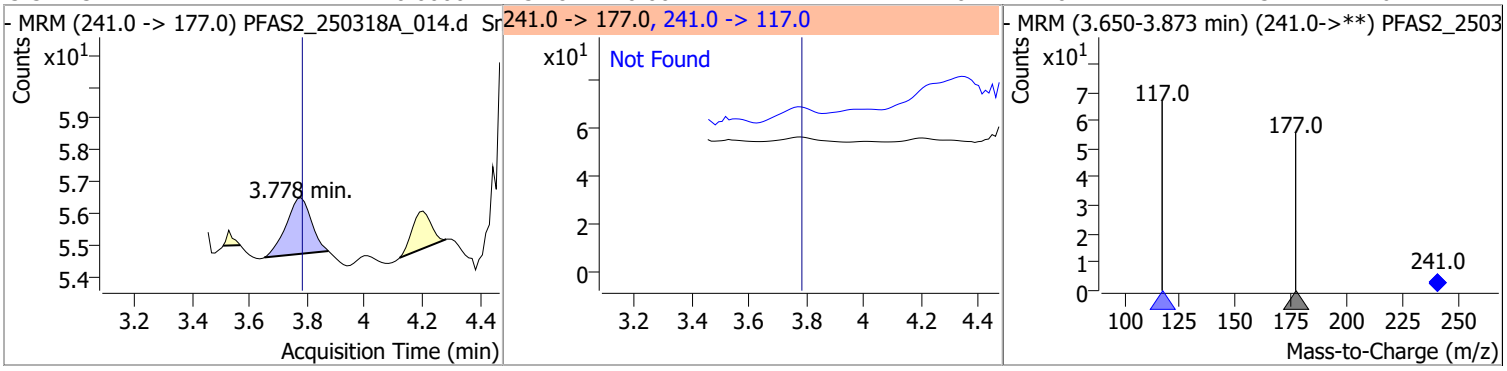
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0933	3.04	-0.04	324				



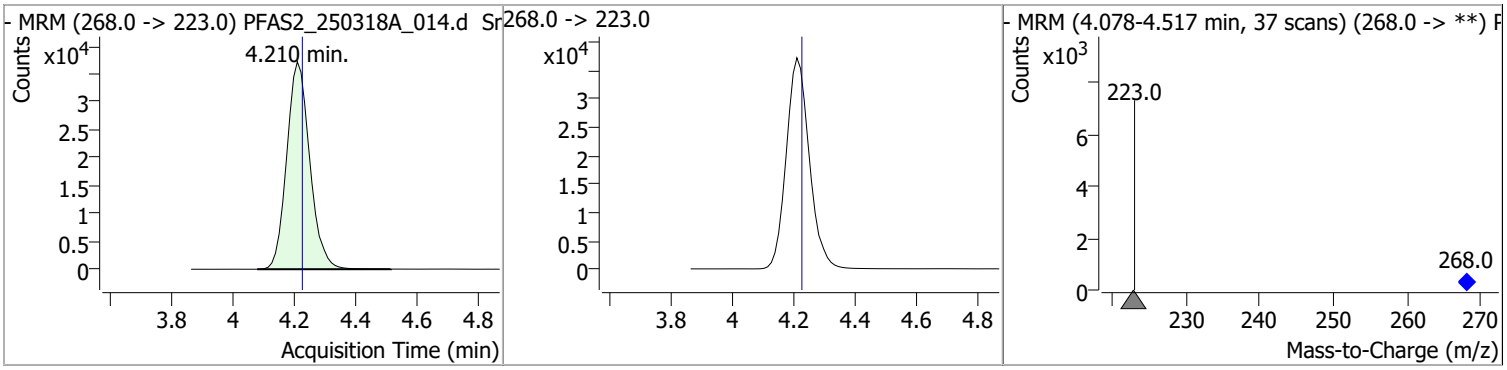
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0594	3.60	-0.01	83				



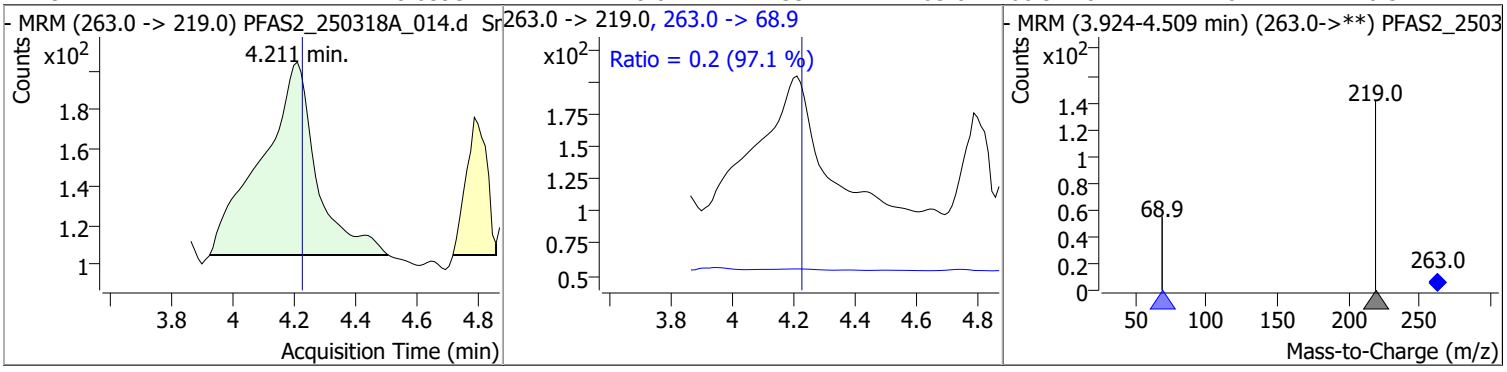
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.78	0.00	11	241.0 -> 117.0		41.3	76.7



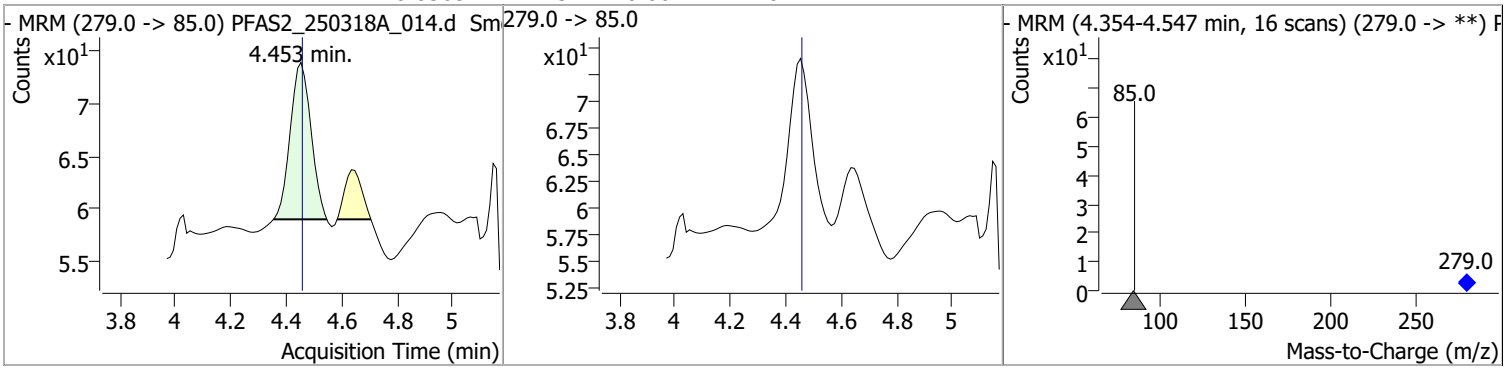
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9852	4.21	-0.01	194311				



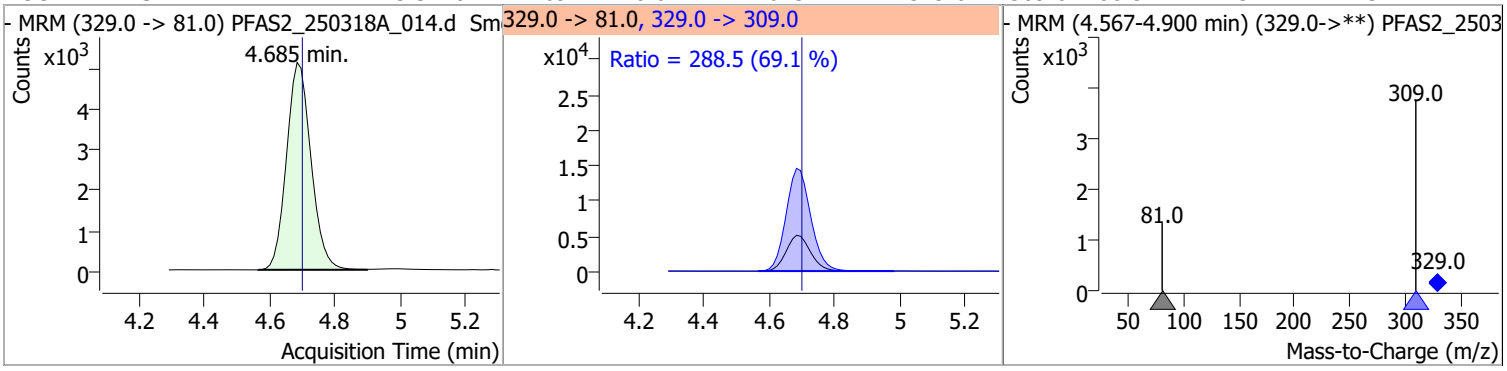
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0595	4.21	-0.01	1255	263.0 -> 68.9	0.2	0.1	0.3



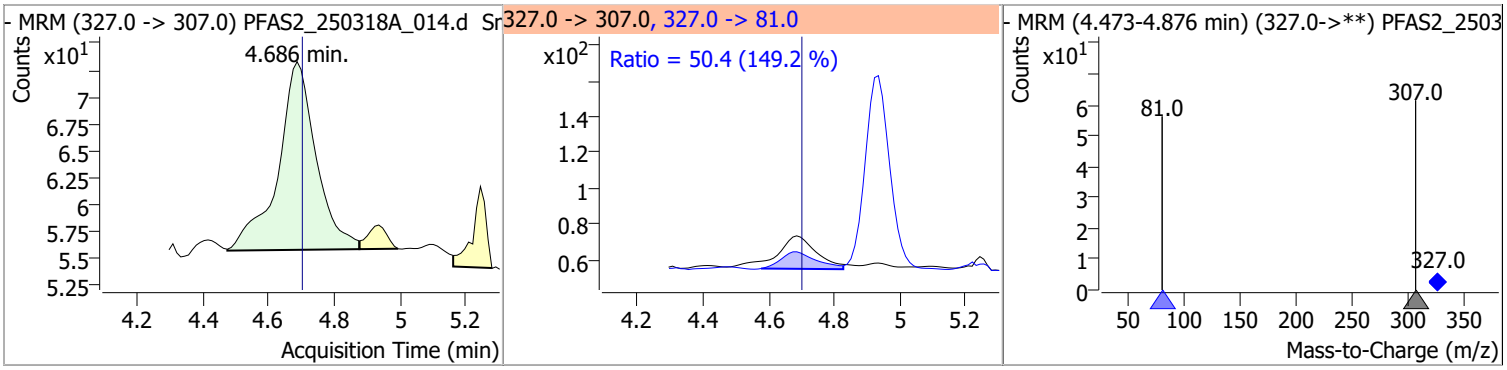
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0365	4.45	0.00	78				



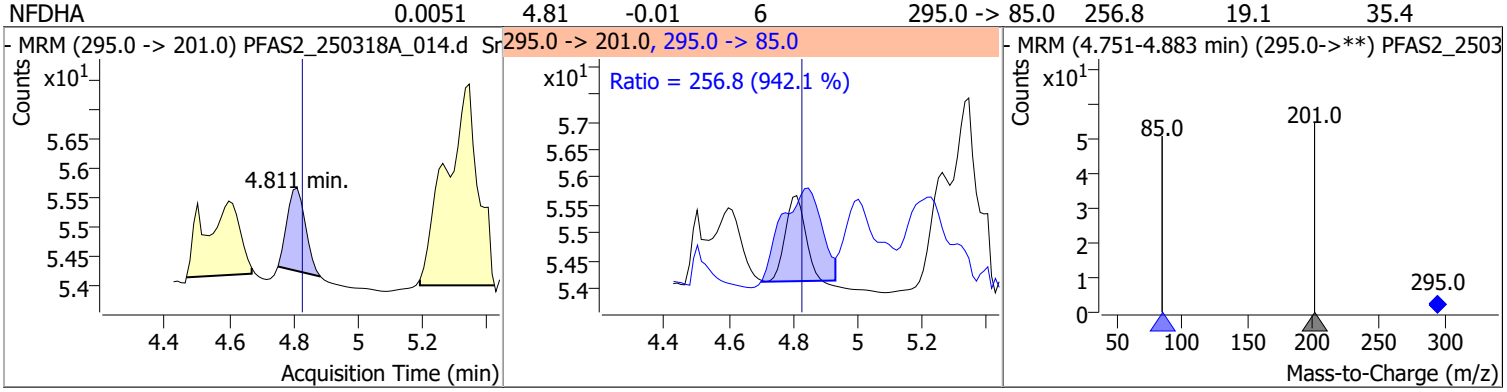
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3440	4.69	-0.01	26432	329.0 -> 309.0	288.5	292.1	542.4



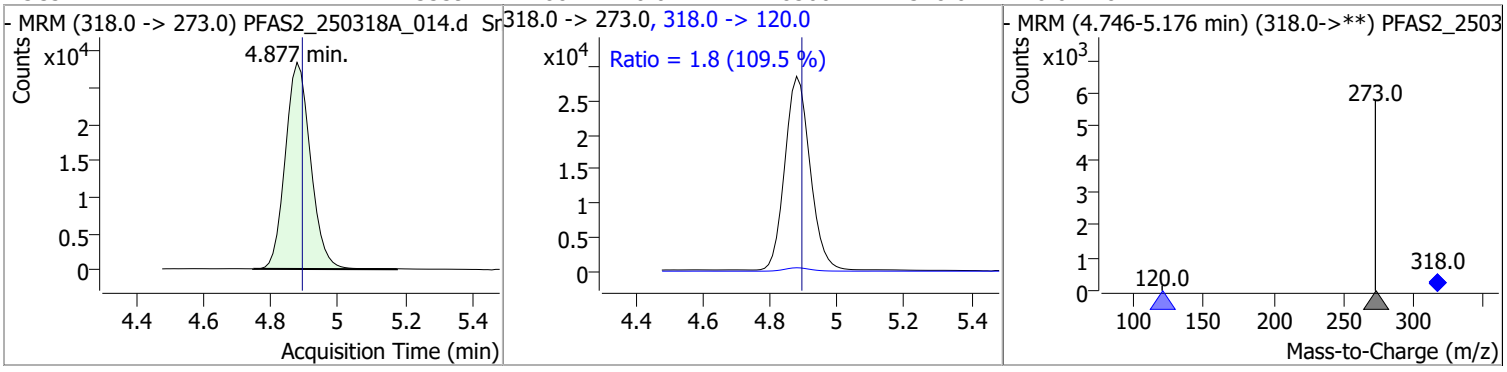
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0089	4.69	-0.01	143	327.0 -> 81.0	50.4	23.6	43.9



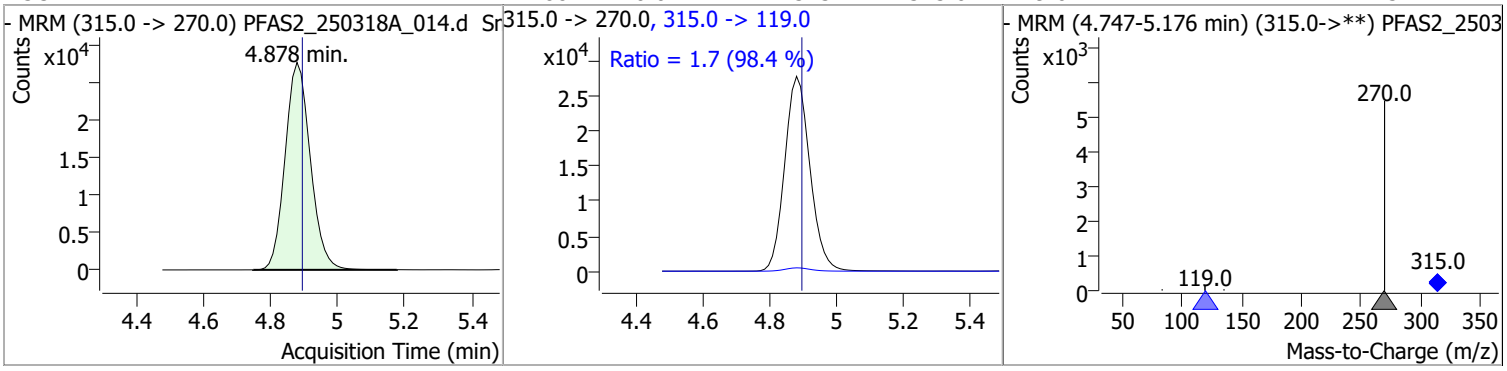
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0051	4.81	-0.01	6	295.0 -> 85.0	256.8	19.1	35.4



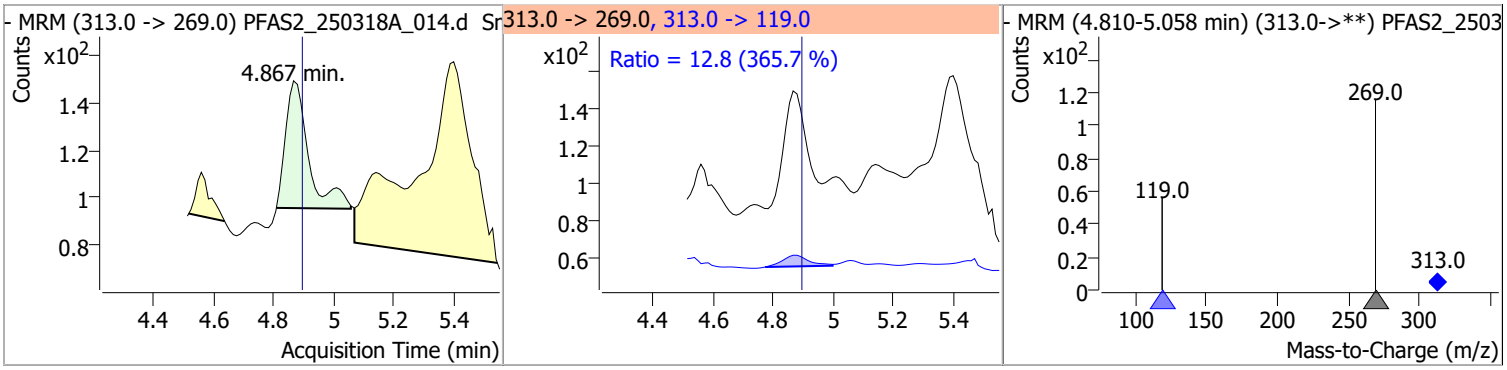
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3339	4.88	-0.01	148500	318.0 -> 120.0	1.8	1.1	2.1



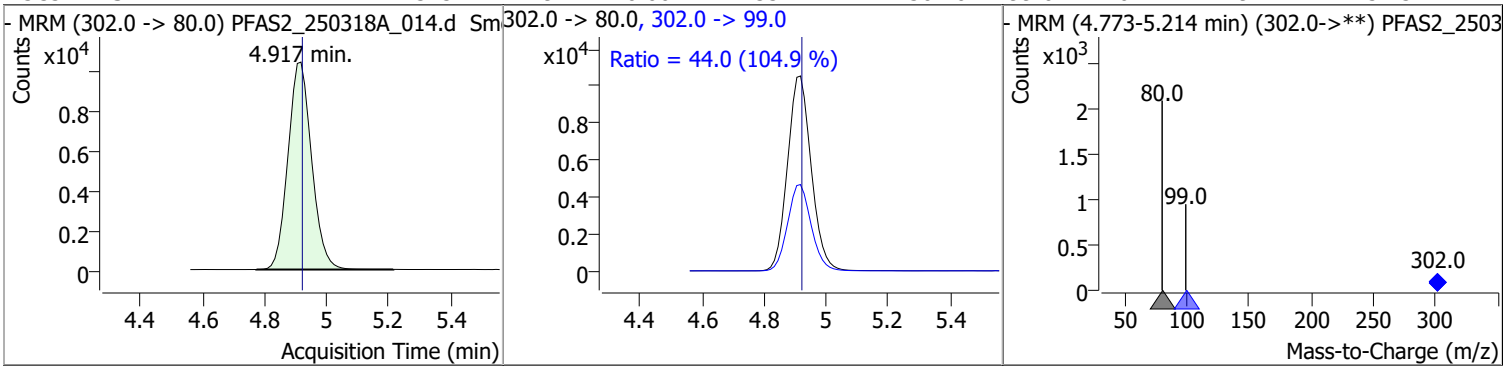
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	144513	315.0 -> 119.0	1.7	1.2	2.3



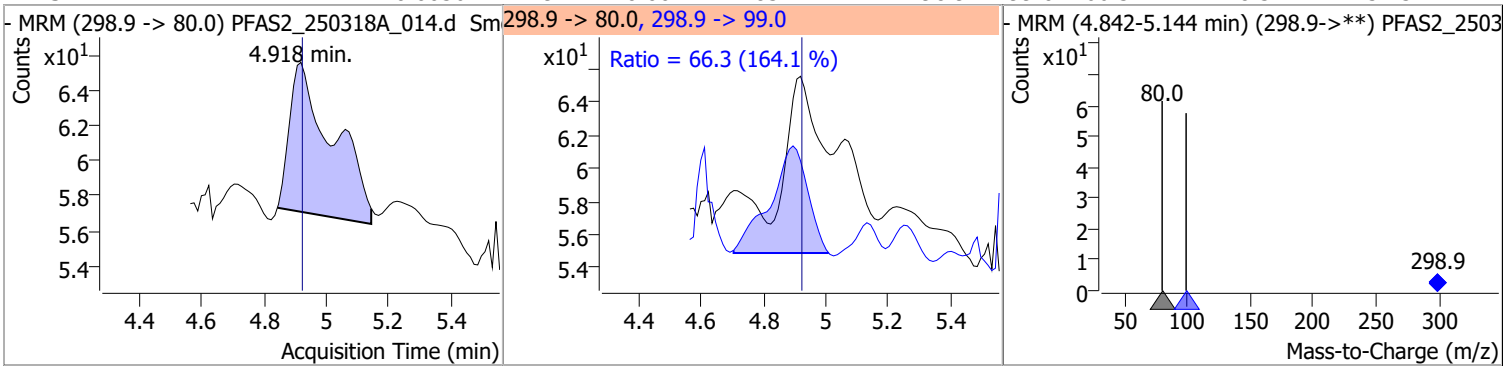
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0054	4.87	-0.02	287	313.0 -> 119.0	12.8	2.4	4.5



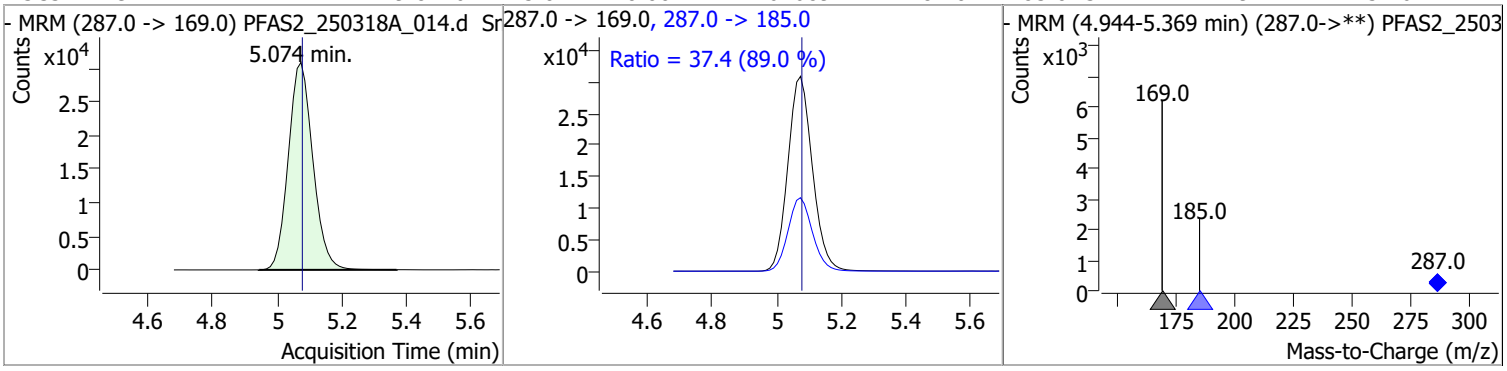
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3251	4.92	0.00	55447	302.0 -> 99.0	44.0	29.4	54.5



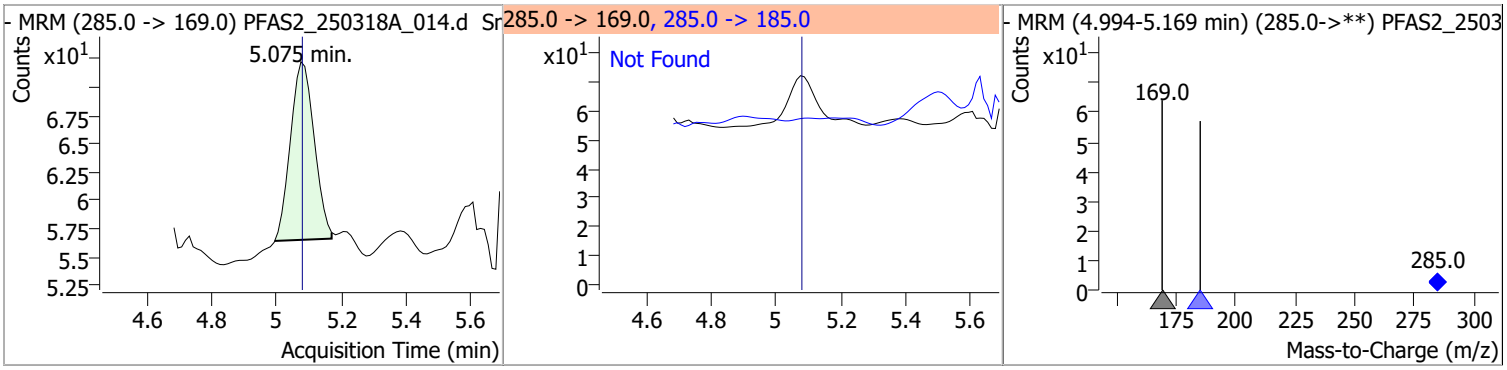
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0036	4.92	0.00	83	298.9 -> 99.0	66.3	28.3	52.5



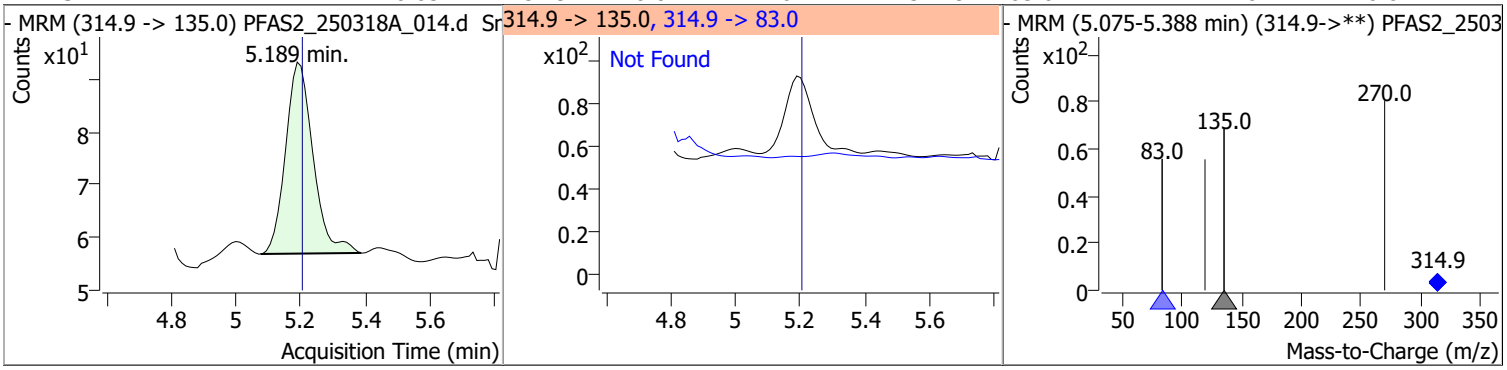
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8216	5.07	0.00	161689	287.0 -> 185.0	37.4	29.4	54.6



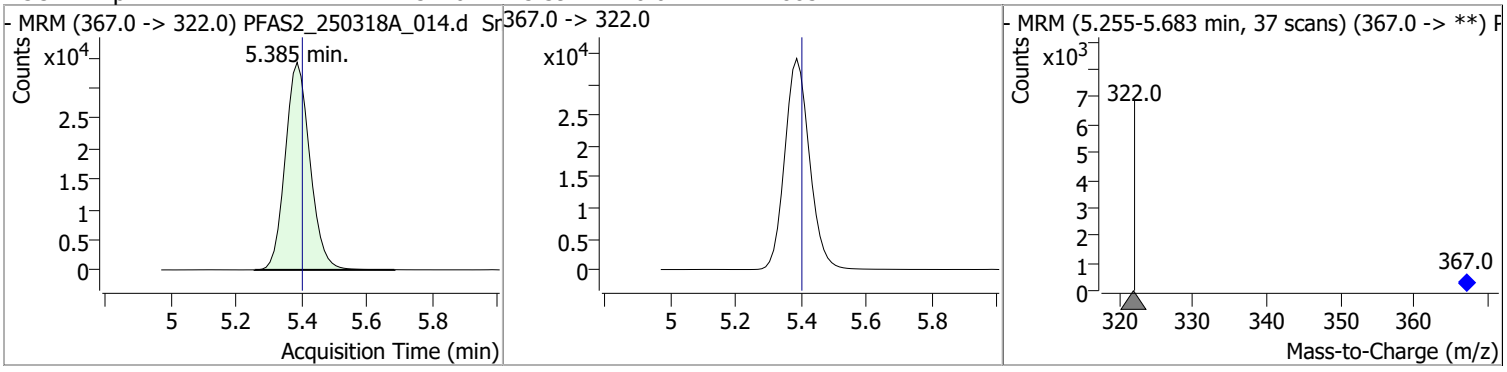
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0056	5.07	0.00	80	285.0 -> 185.0		30.1	56.0



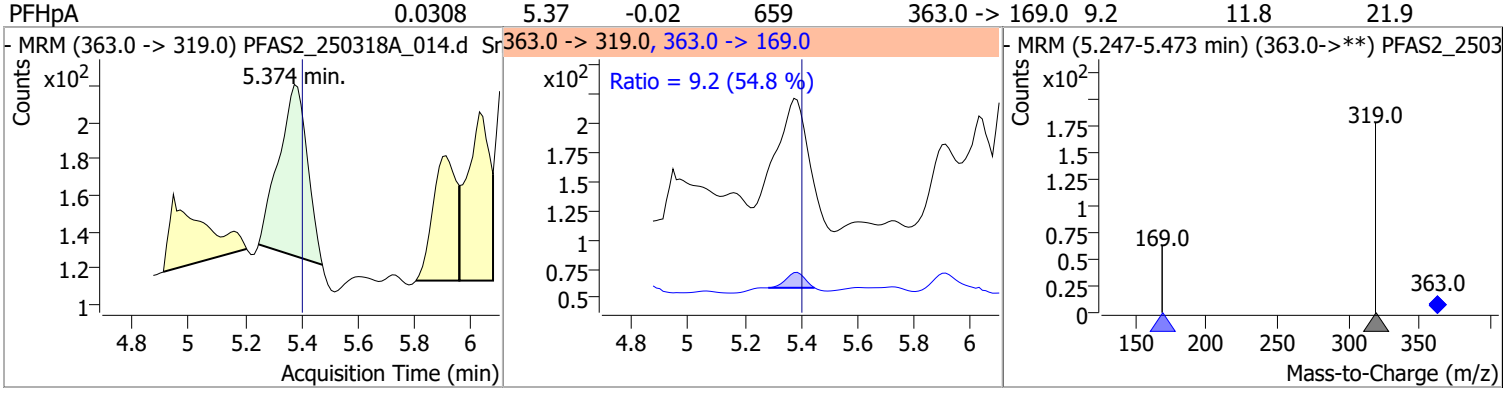
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0544	5.19	-0.01	216	314.9 -> 83.0		4.8	8.8



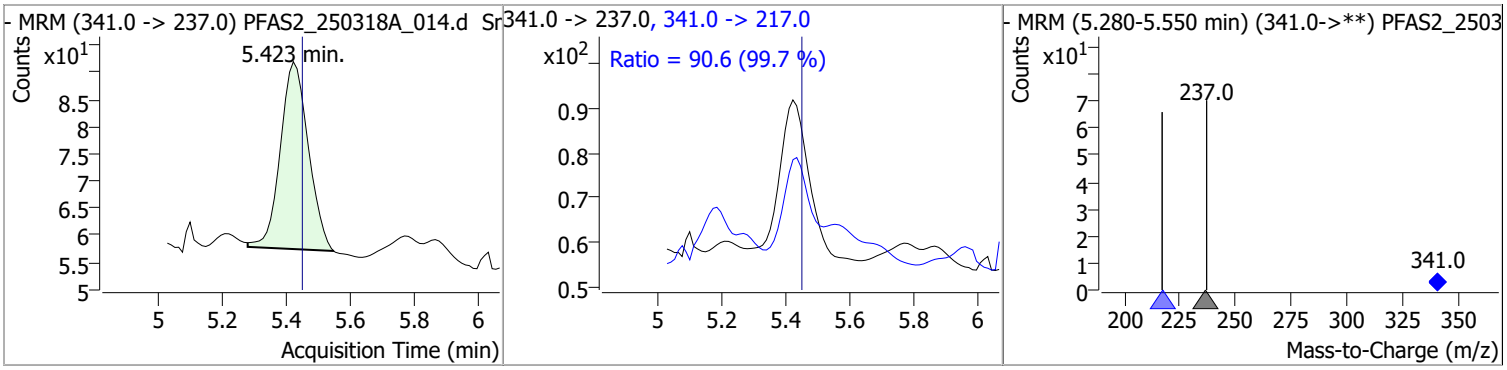
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5140	5.39	-0.01	178854				



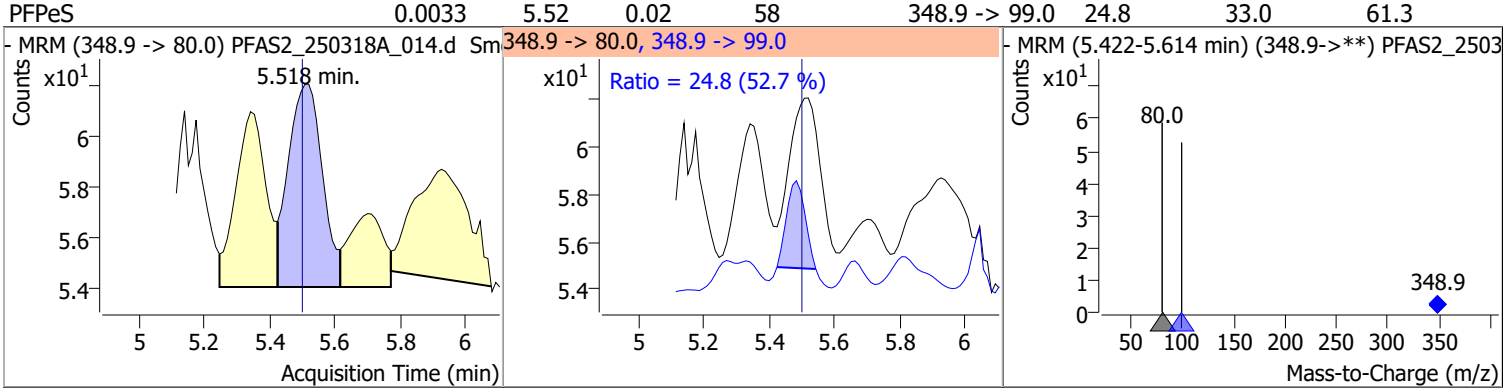
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0308	5.37	-0.02	659	363.0 -> 169.0	9.2	11.8	21.9



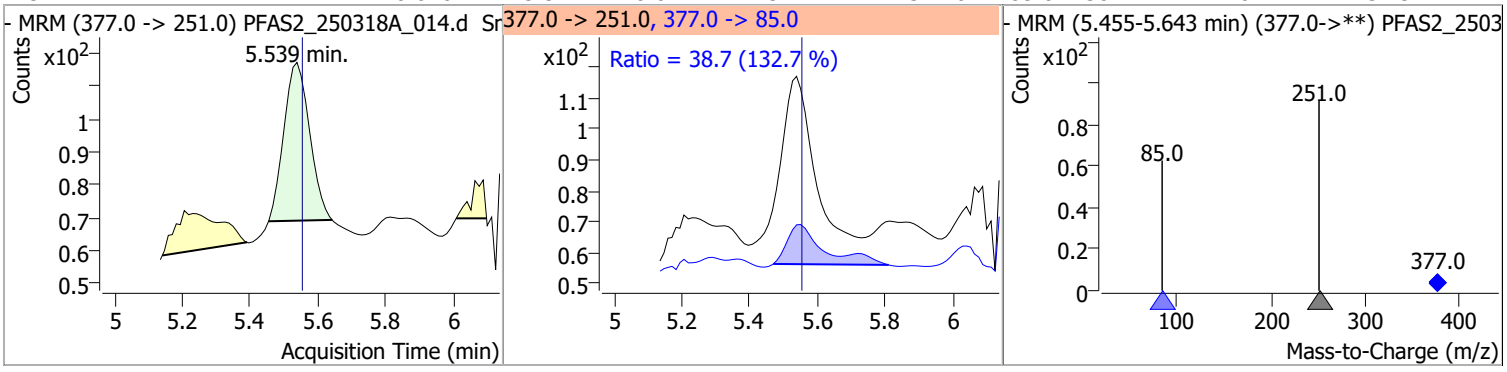
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2276	5.42	-0.02	209	341.0 -> 217.0	90.6	63.6	118.1



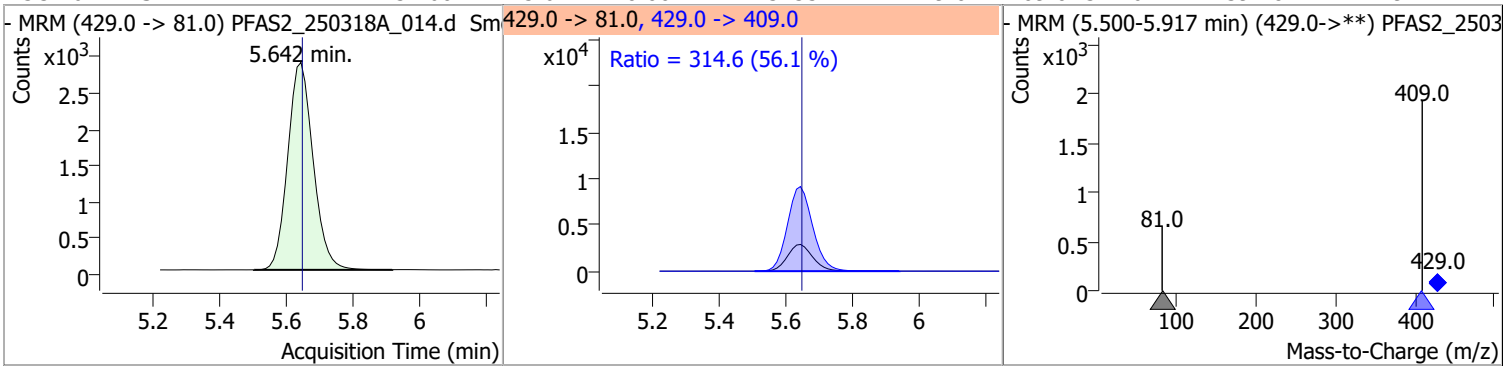
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0033	5.52	0.02	58	348.9 -> 99.0	24.8	33.0	61.3



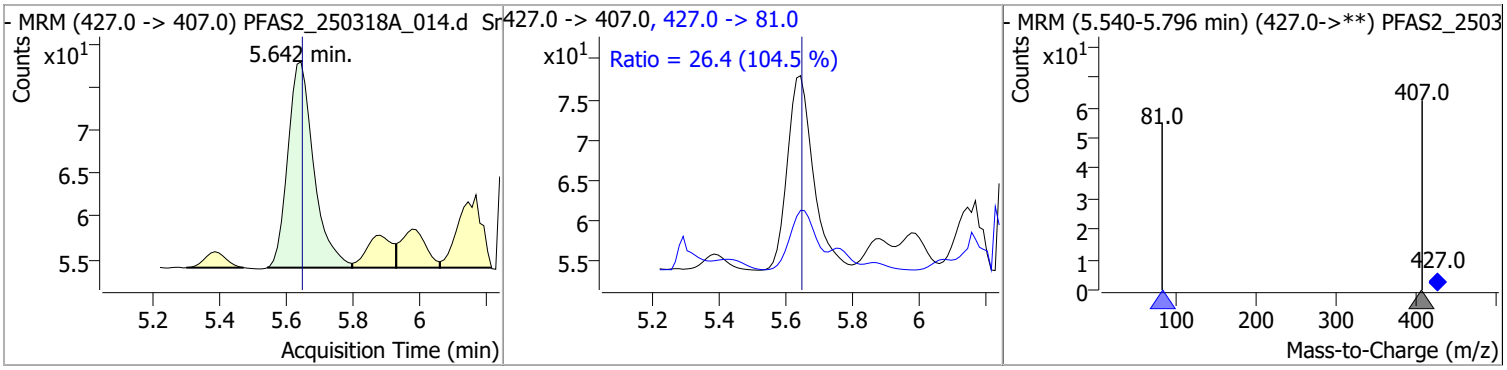
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0701	5.54	-0.01	252	377.0 -> 85.0	38.7	20.4	37.9



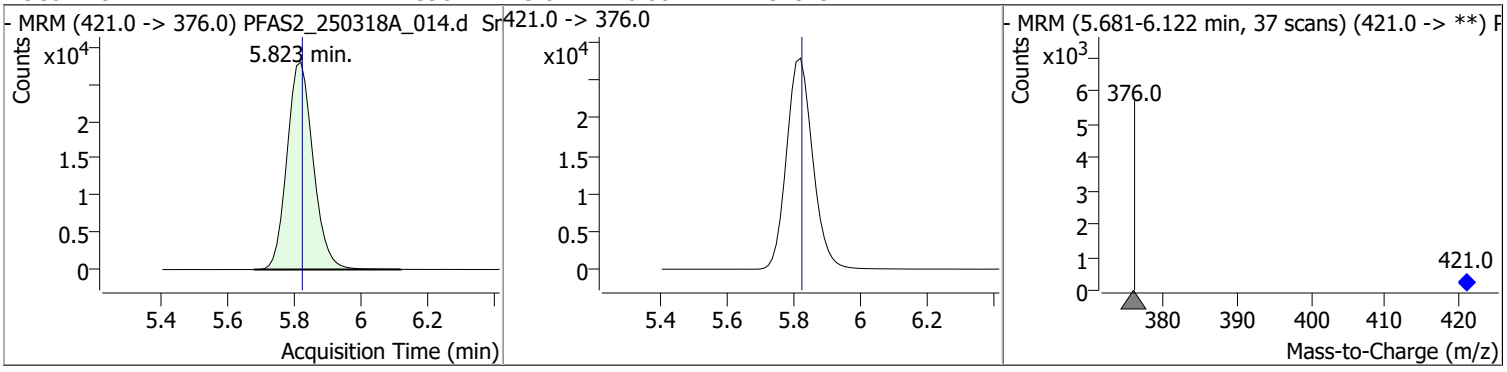
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2607	5.64	0.00	15255	429.0 -> 409.0	314.6	392.8	729.4



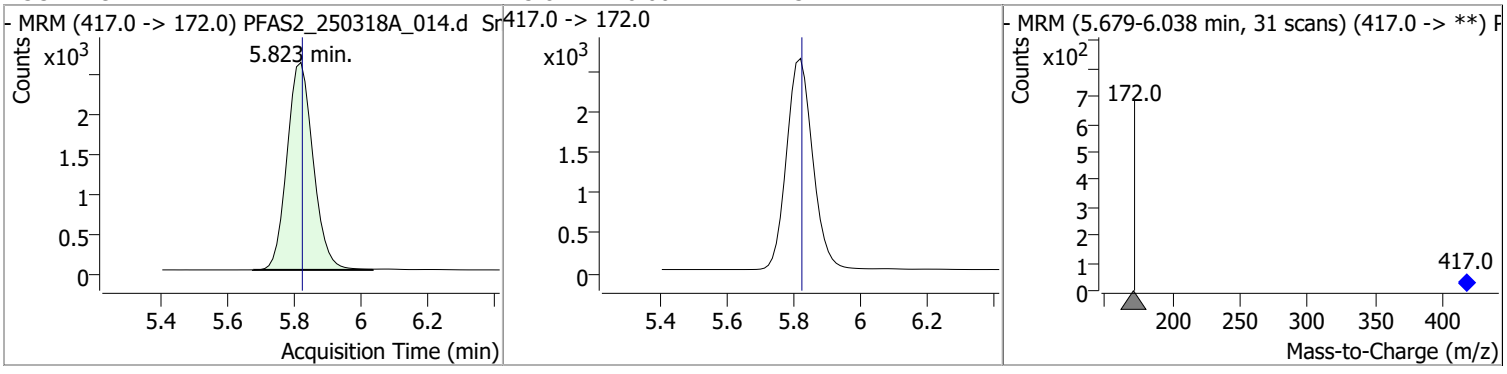
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1220	5.64	0.00	129	427.0 -> 81.0	26.4	17.7	32.8



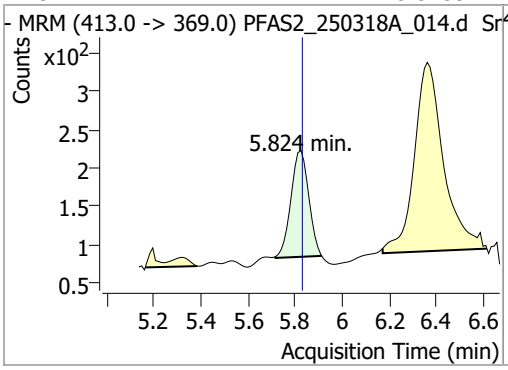
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3981	5.82	0.00	151579				

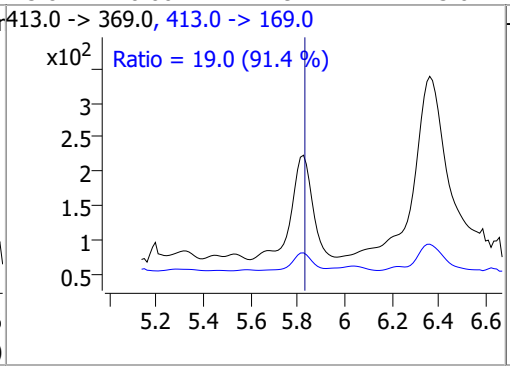


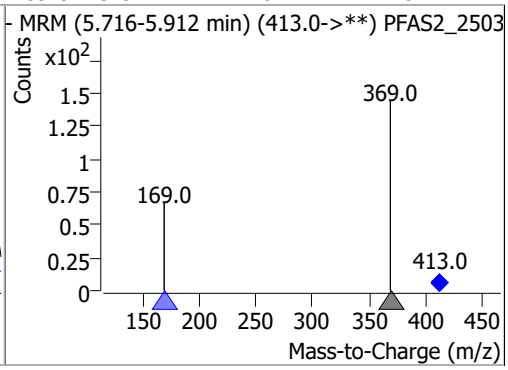
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14134				



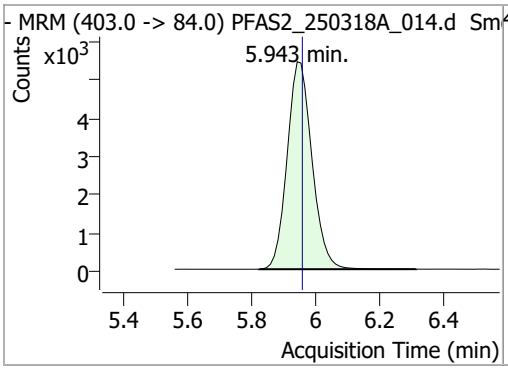
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0485	5.82	0.00	729	413.0 -> 169.0	19.0	14.6	27.0

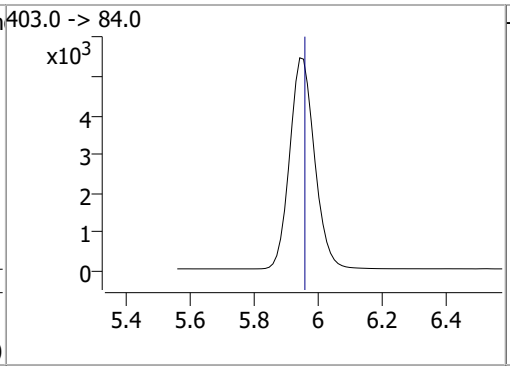


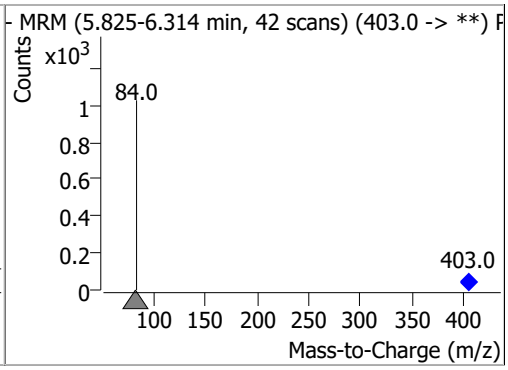




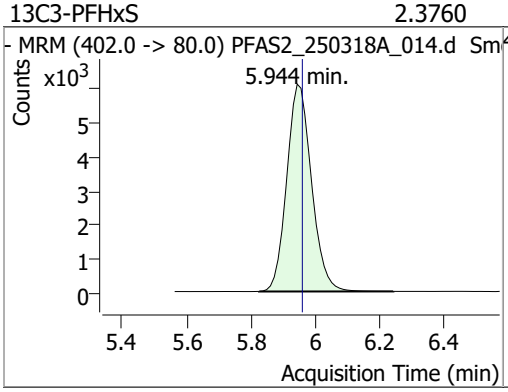
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	-0.01	29122				

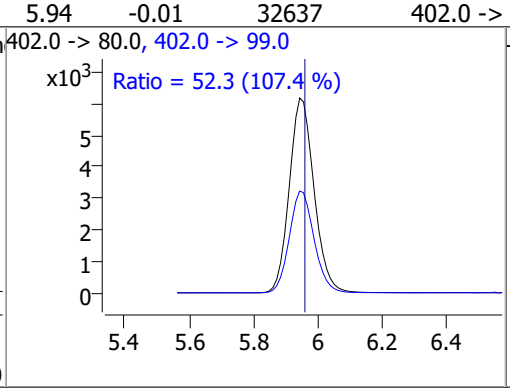


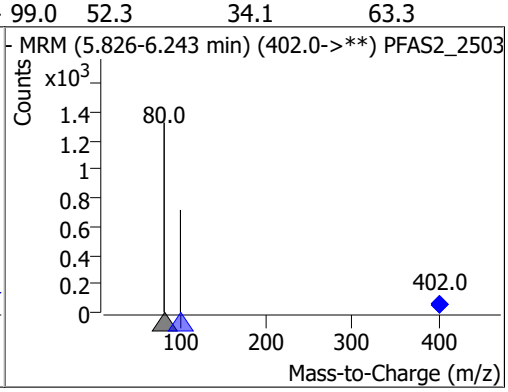




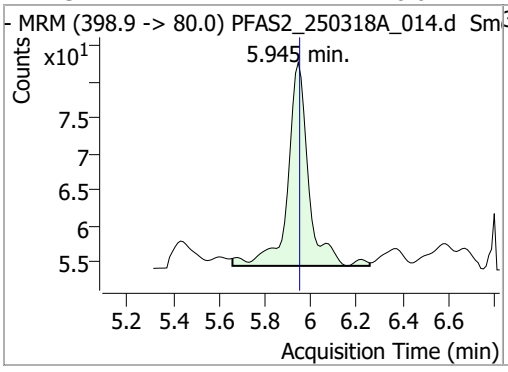
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3760	5.94	-0.01	32637	402.0 -> 99.0	52.3	34.1	63.3

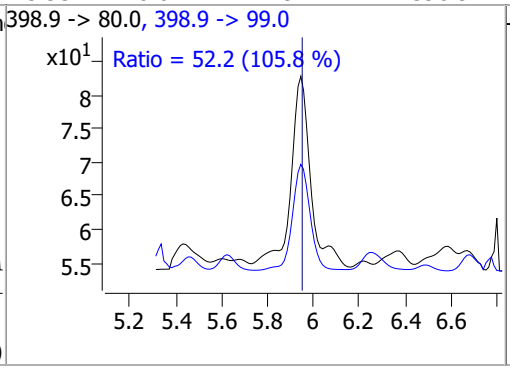


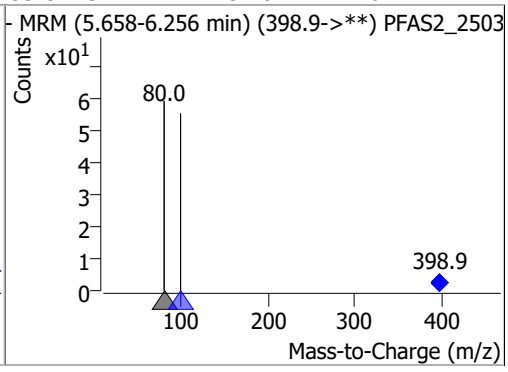




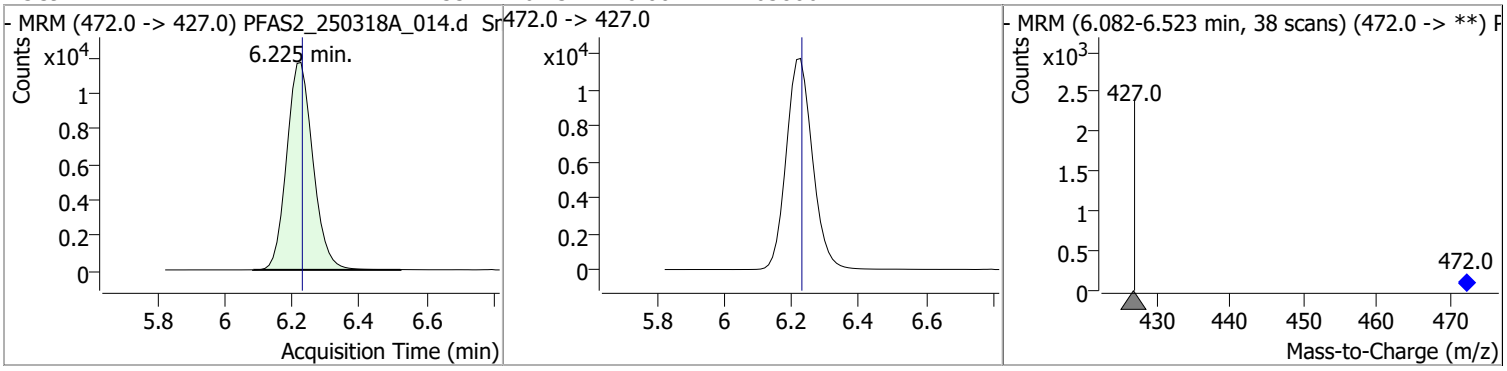
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0141	5.95	-0.01	179	398.9 -> 99.0	52.2	34.6	64.2



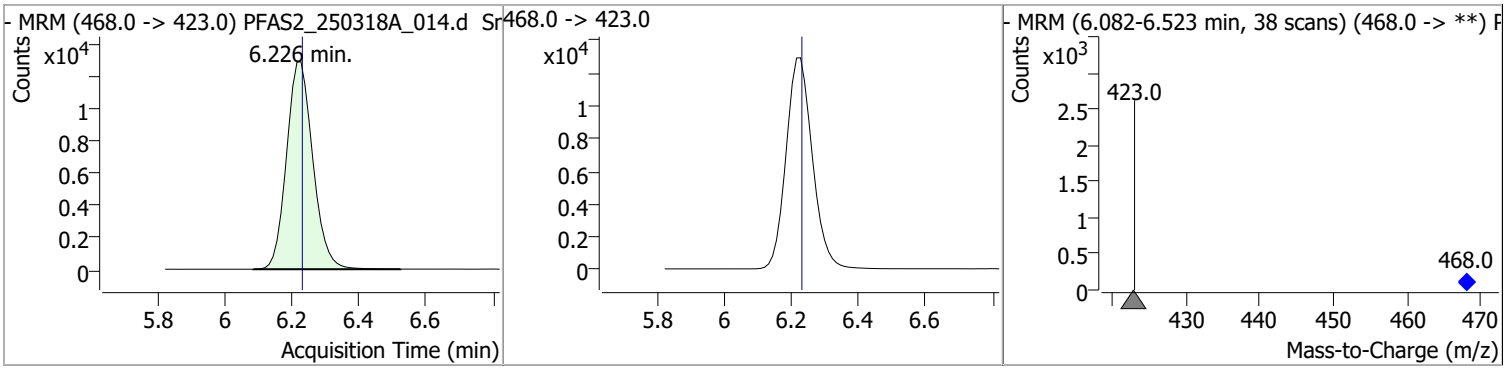




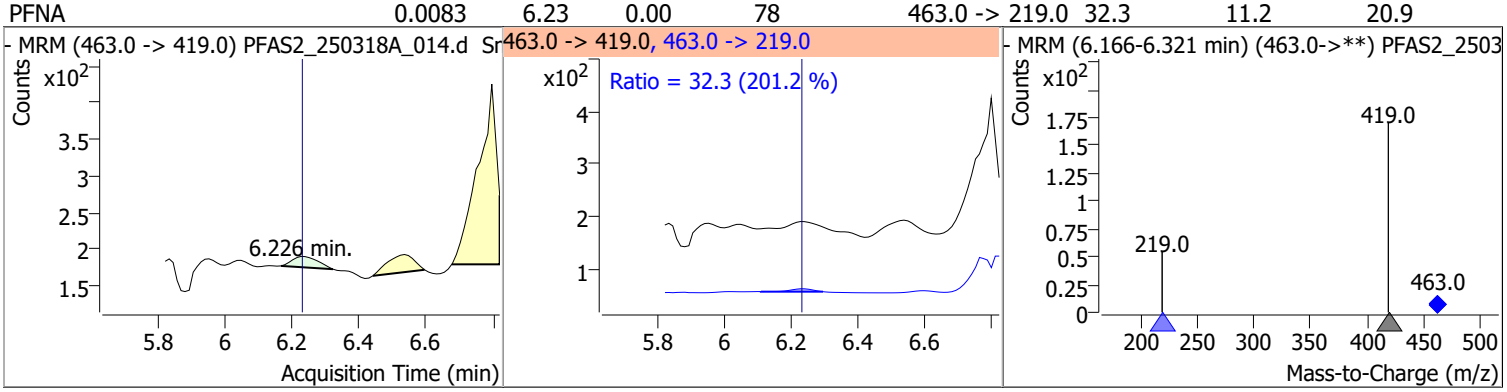
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1455	6.23	0.00	63806				



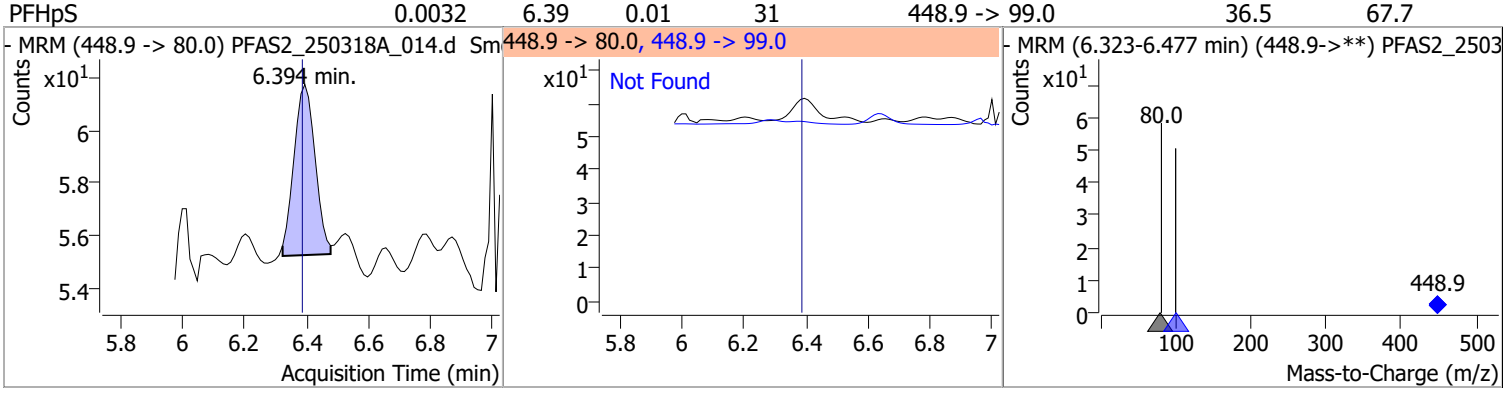
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	70296				



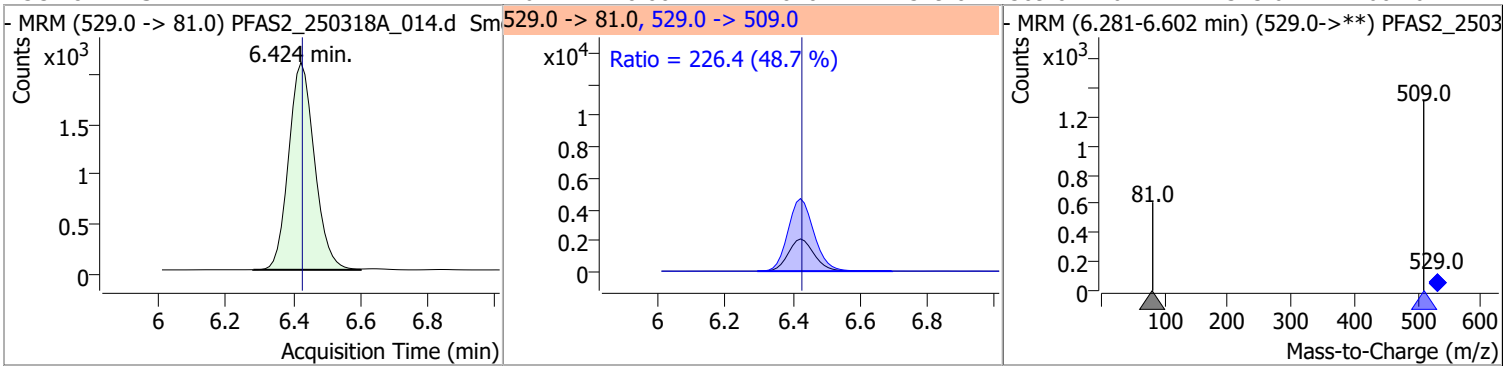
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0083	6.23	0.00	78	463.0 -> 219.0	32.3	11.2	20.9



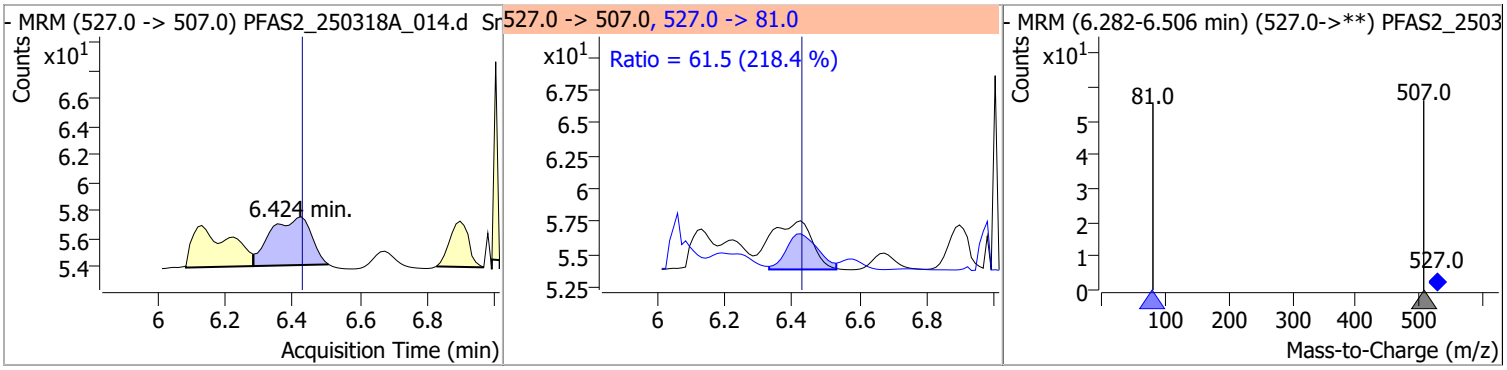
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0032	6.39	0.01	31	448.9 -> 99.0		36.5	67.7



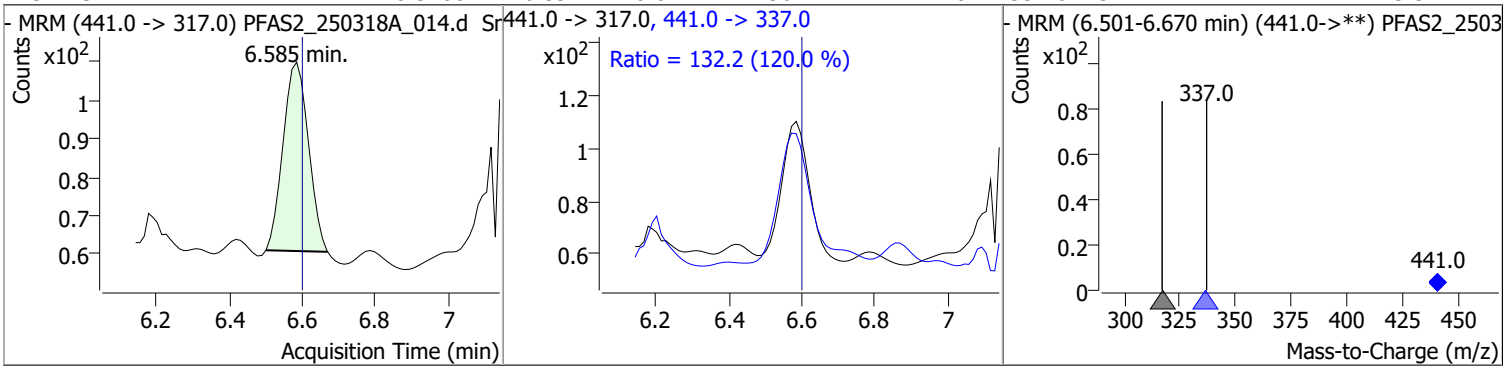
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7221	6.42	0.00	11010	529.0 -> 509.0	226.4	325.6	604.6



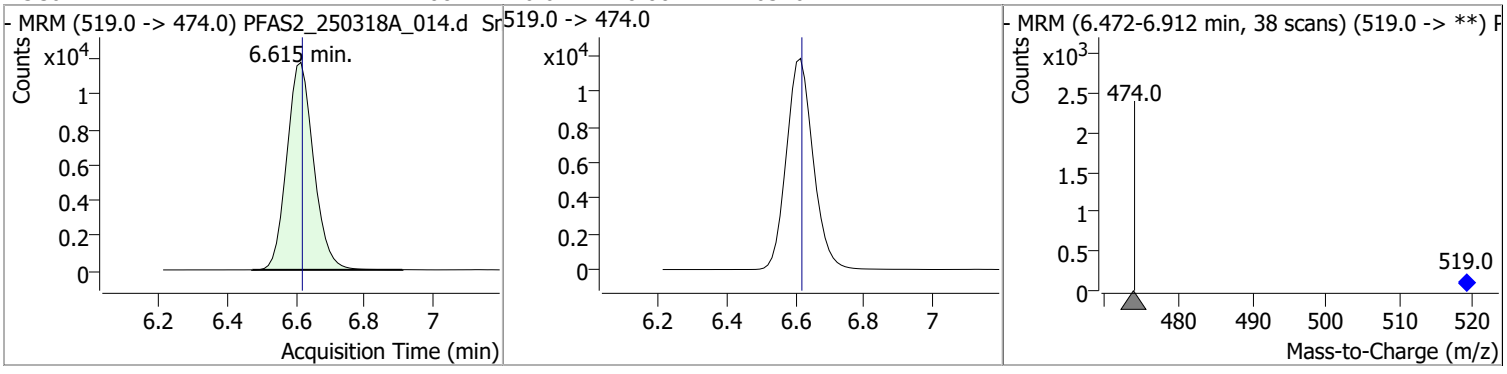
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0781	6.42	0.00	29	527.0 -> 81.0	61.5	19.7	36.6



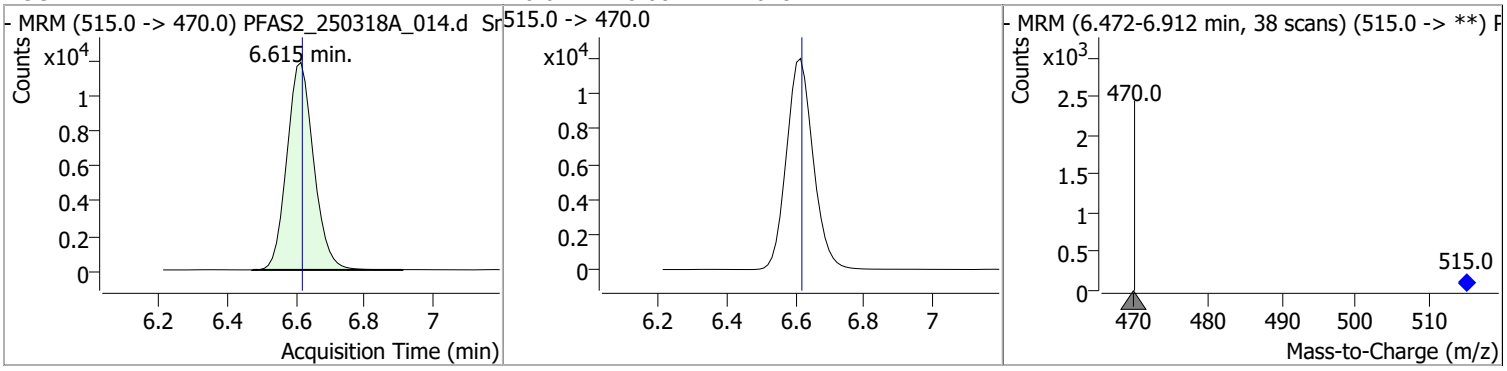
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.3200	6.59	-0.01	236	441.0 -> 337.0	132.2	77.1	143.3



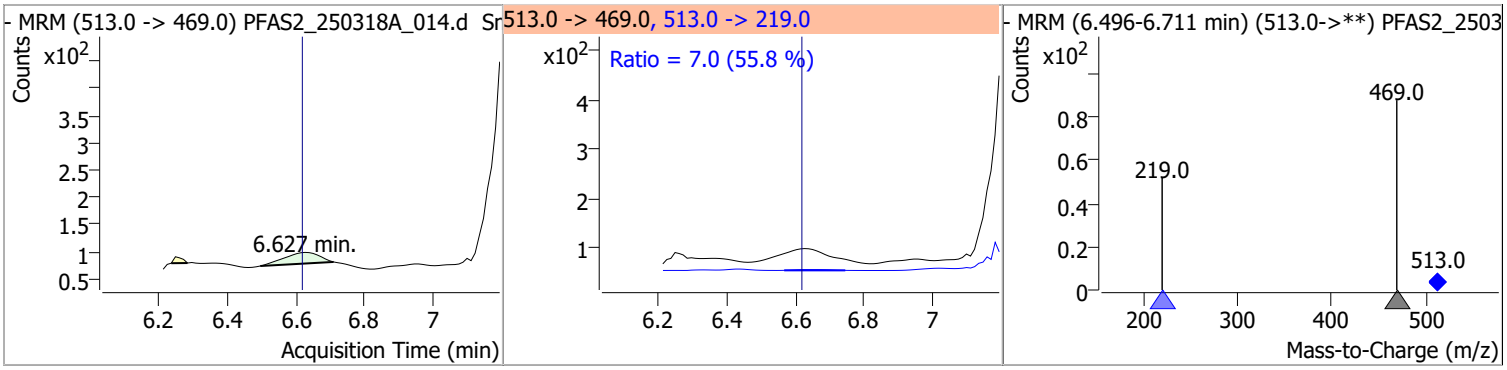
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2084	6.61	0.00	63762				



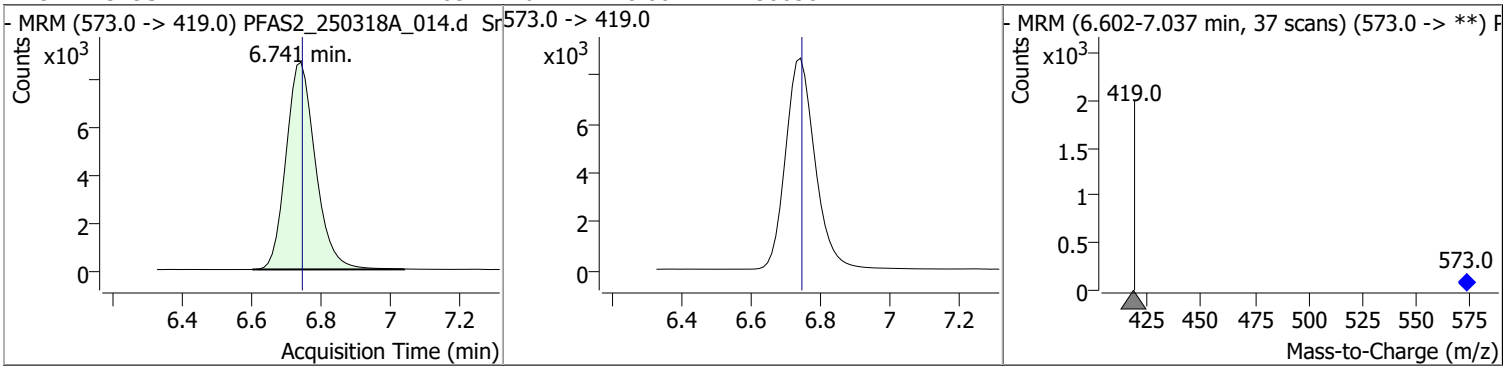
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	64842				



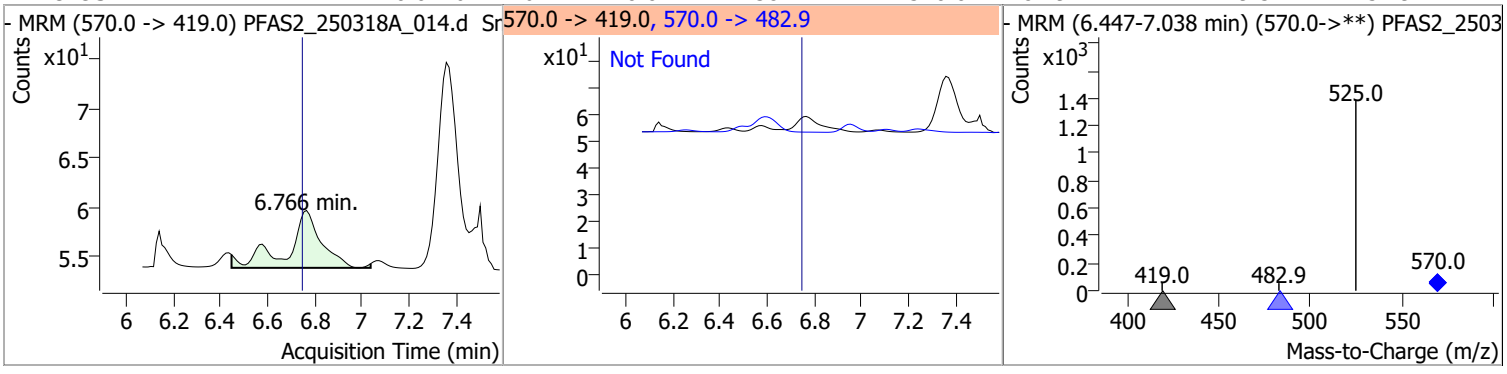
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.63	0.01	147	513.0 -> 219.0	7.0	8.7	16.2



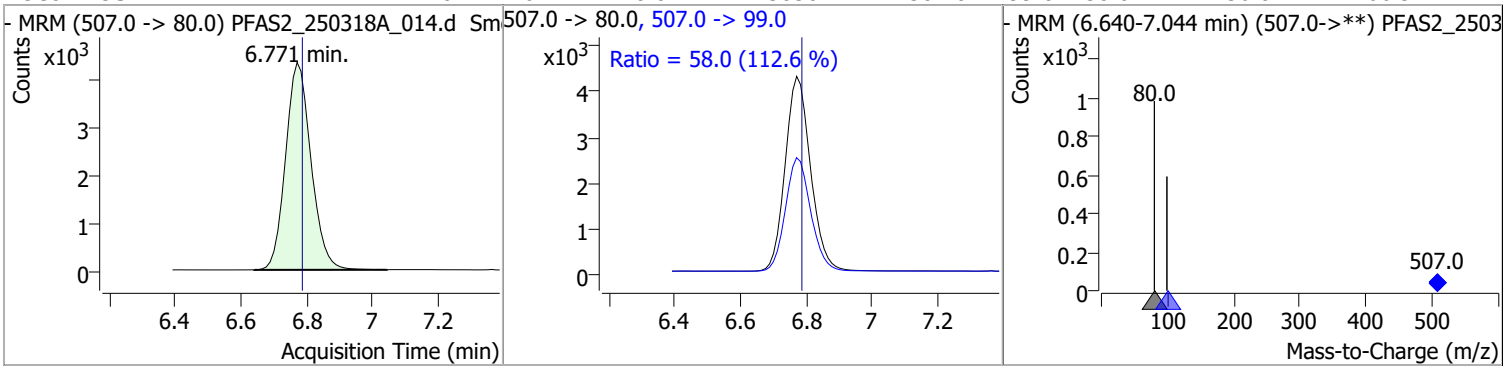
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4183	6.74	0.00	50658				



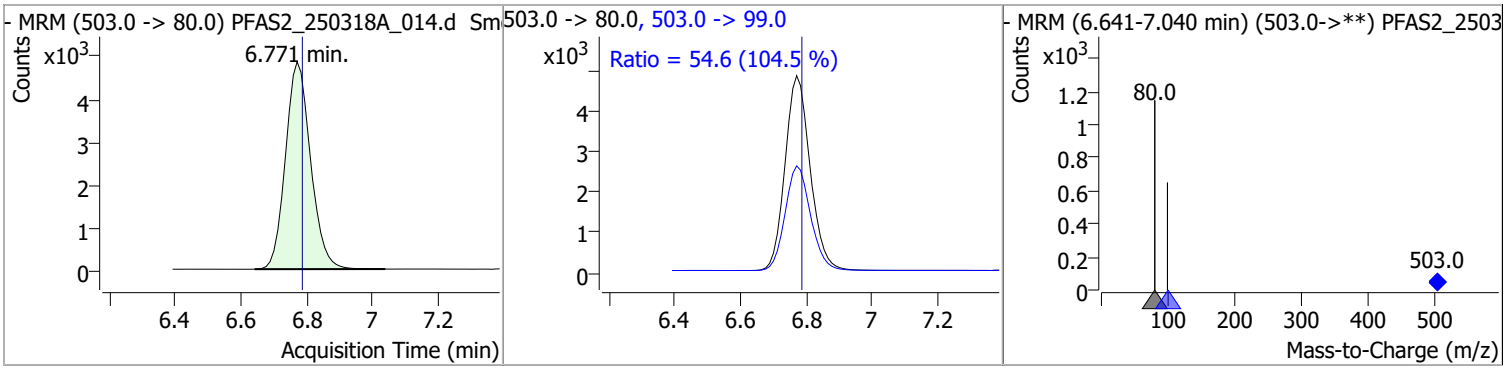
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0146	6.77	0.02	58	570.0 -> 482.9		29.5	54.9



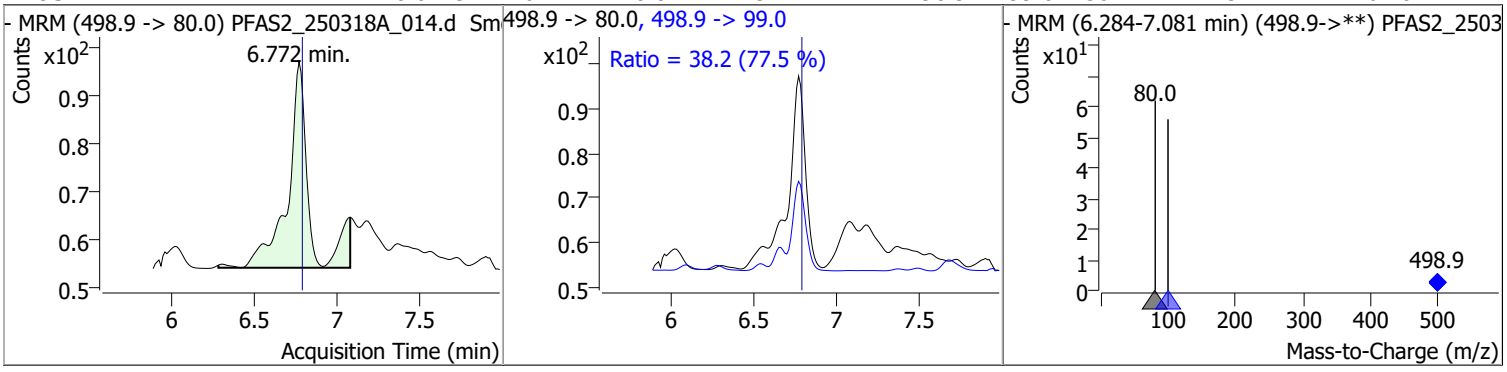
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2207	6.77	-0.01	23030	507.0 -> 99.0	58.0	36.0	66.9



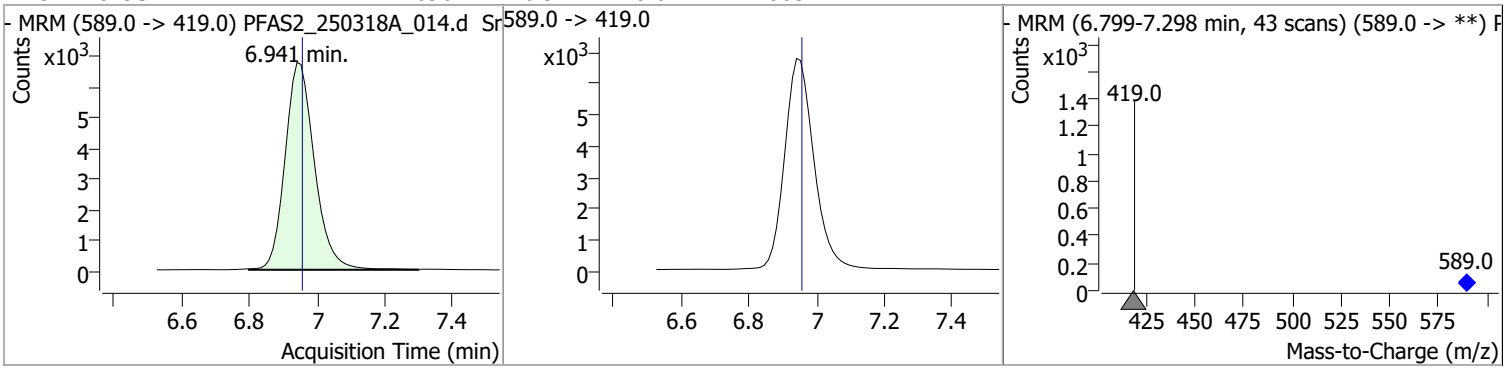
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	25553	503.0 -> 99.0	54.6	36.6	67.9



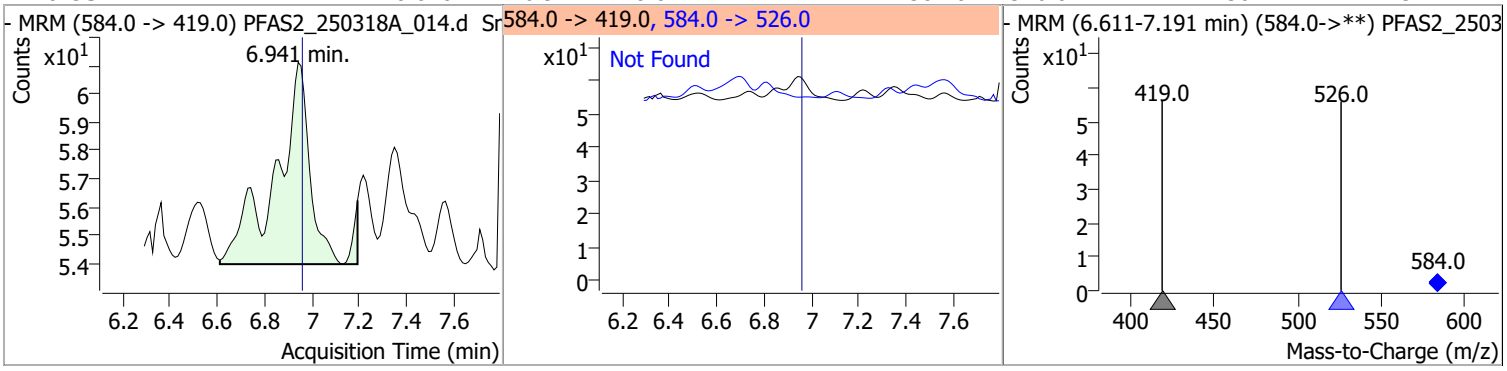
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0715	6.77	-0.01	374	498.9 -> 99.0	38.2	34.4	64.0



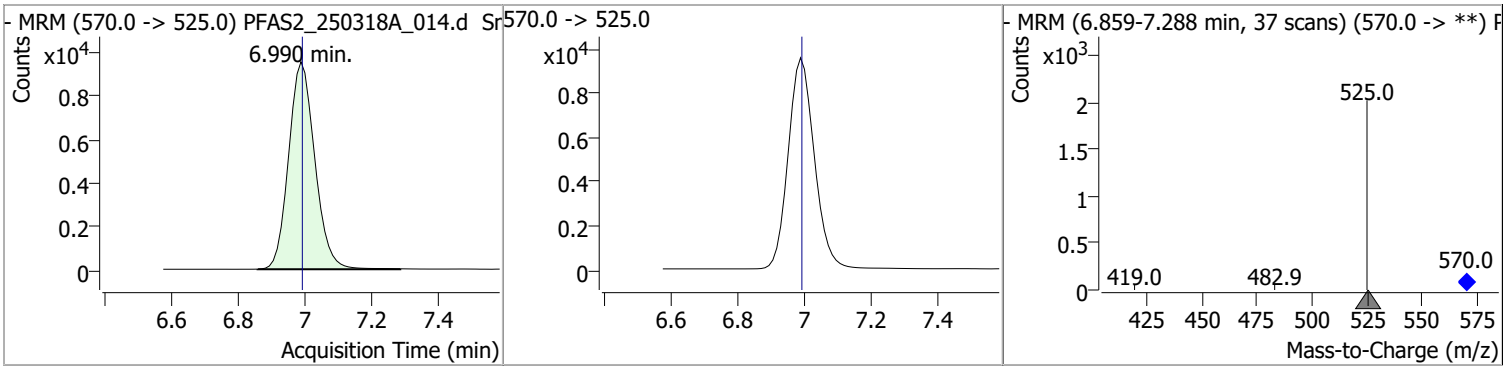
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6962	6.94	-0.01	40651				



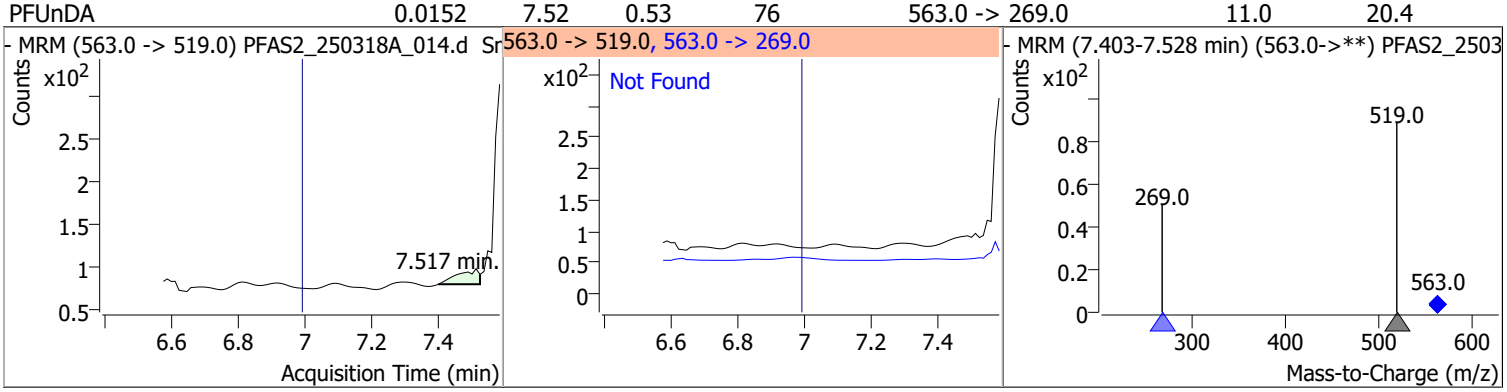
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0207	6.94	-0.01	74	584.0 -> 526.0		38.4	71.3



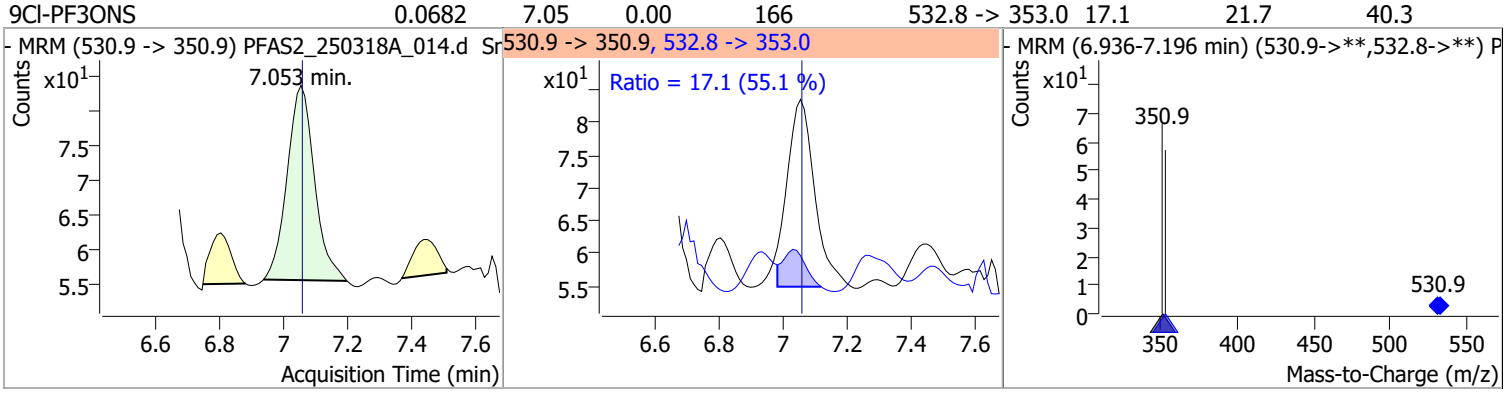
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2508	6.99	0.00	52014				



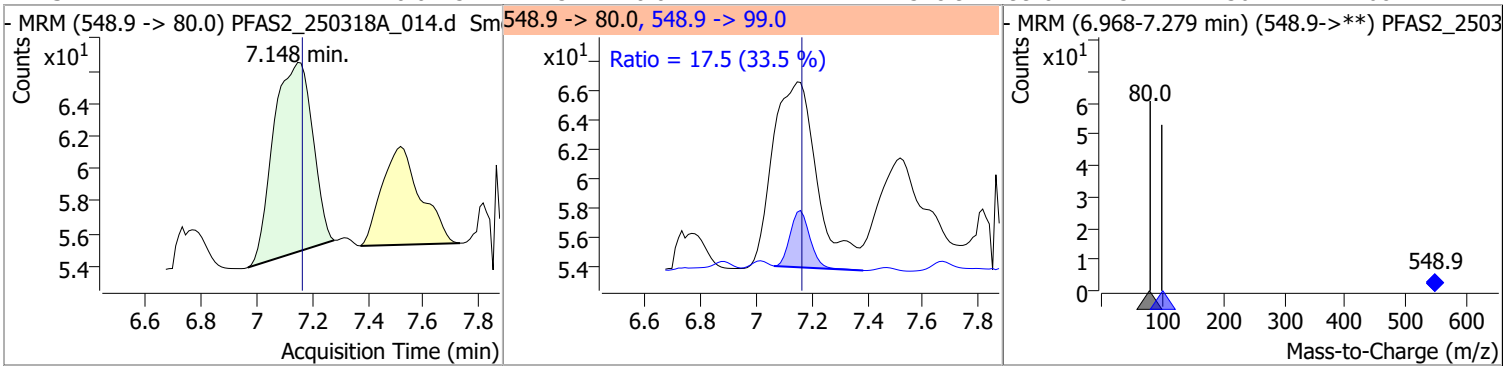
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0152	7.52	0.53	76	563.0 -> 269.0		11.0	20.4



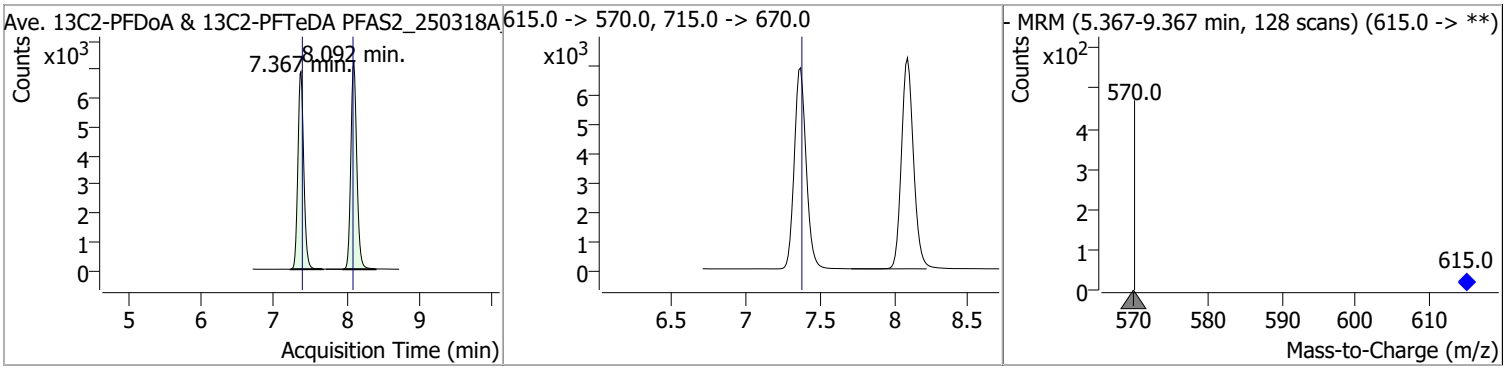
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0682	7.05	0.00	166	532.8 -> 353.0	17.1	21.7	40.3



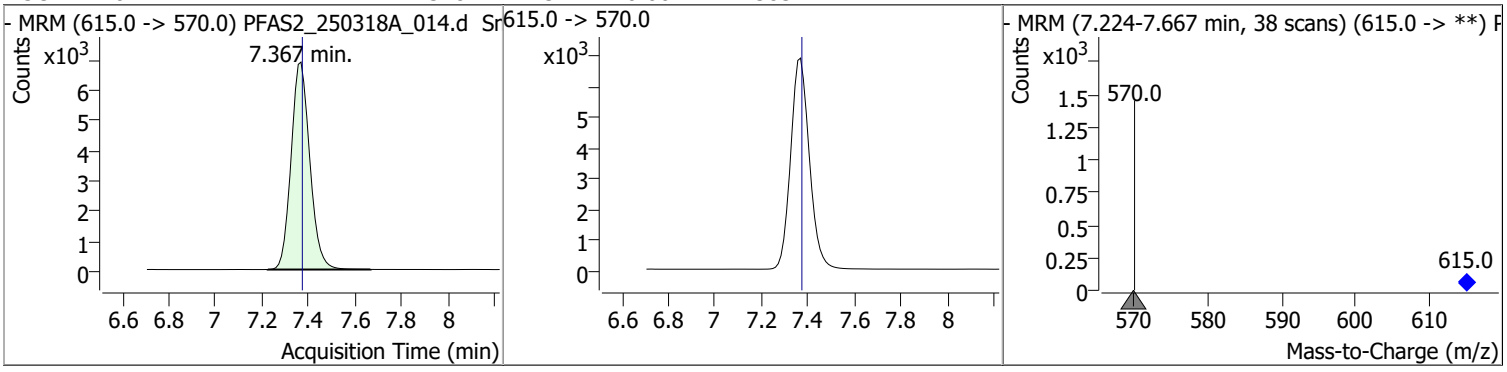
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0145	7.15	-0.01	114	548.9 -> 99.0	17.5	36.7	68.1



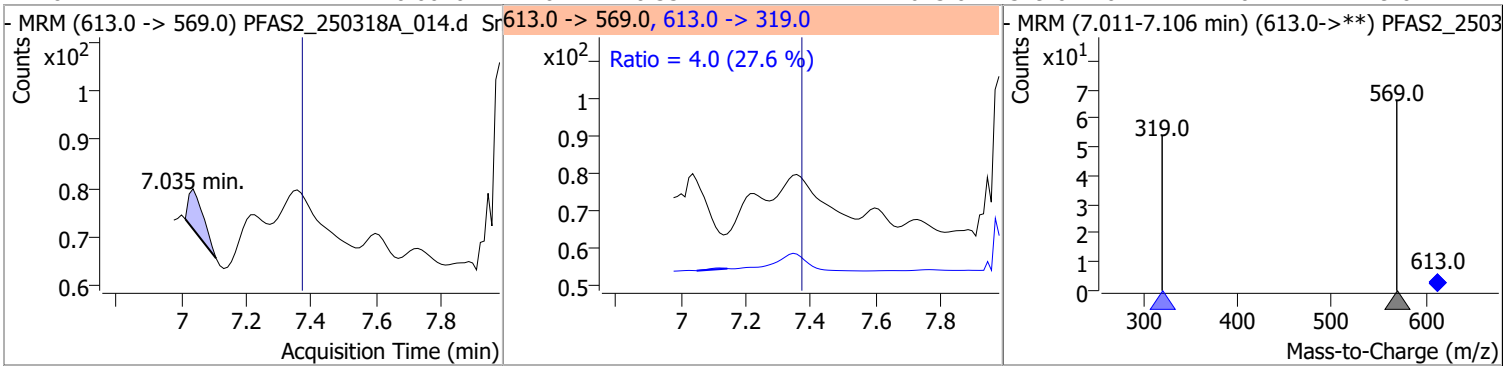
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1589	7.73	0.36	39722				



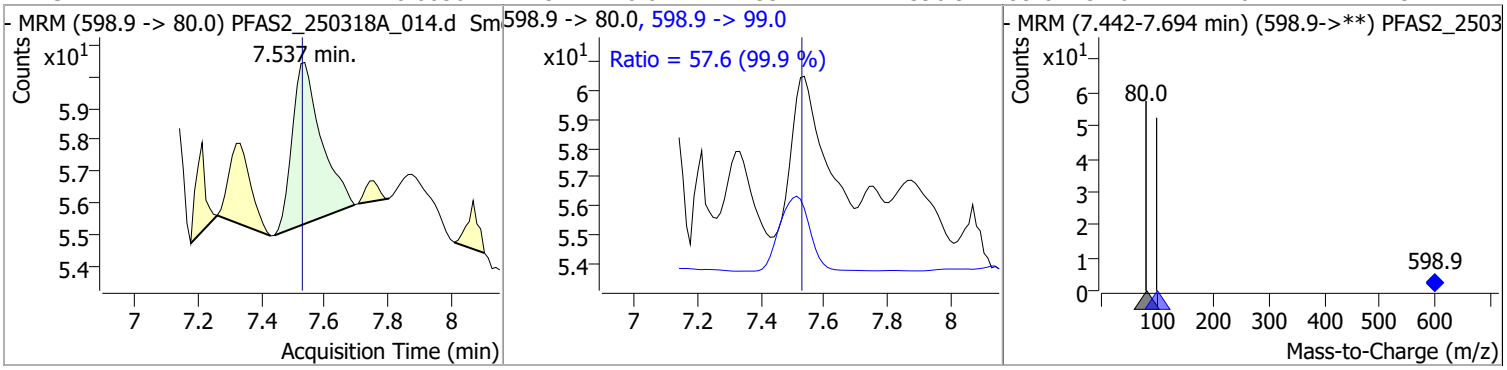
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2378	7.37	0.00	38347				



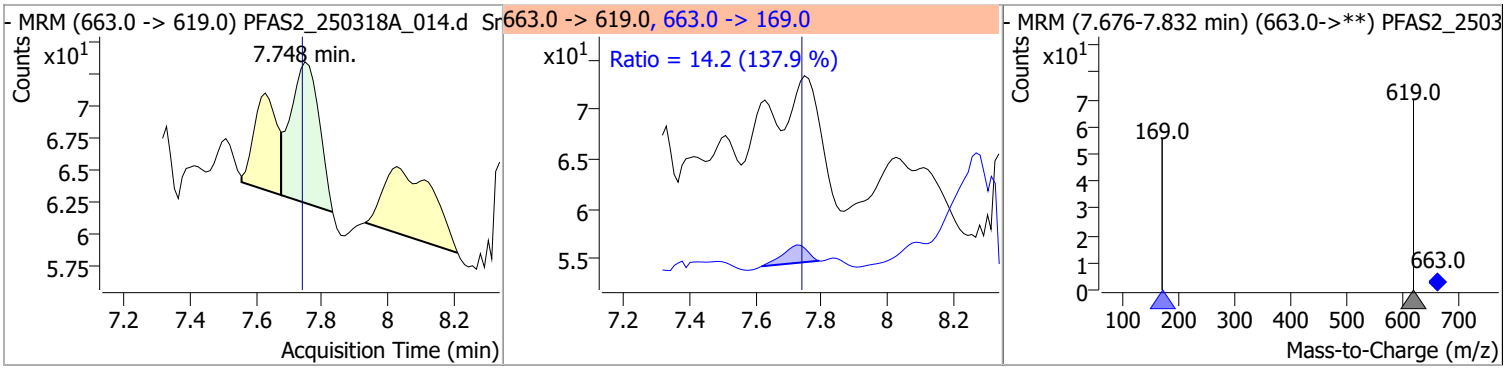
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0010	7.04	-0.33	27	613.0 -> 319.0	4.0	10.2	19.0



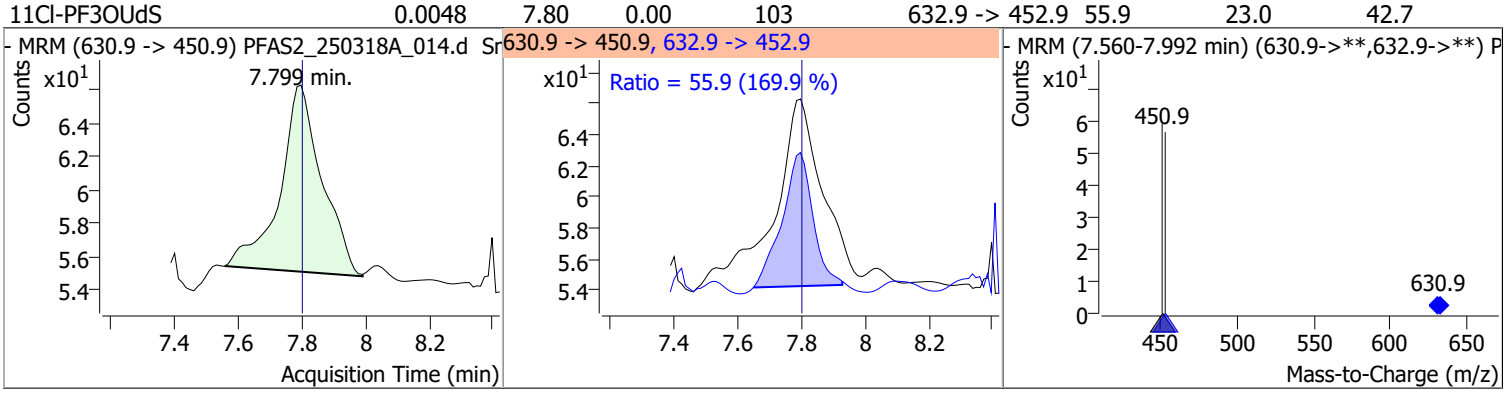
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0056	7.54	0.01	33	598.9 -> 99.0	57.6	40.4	74.9



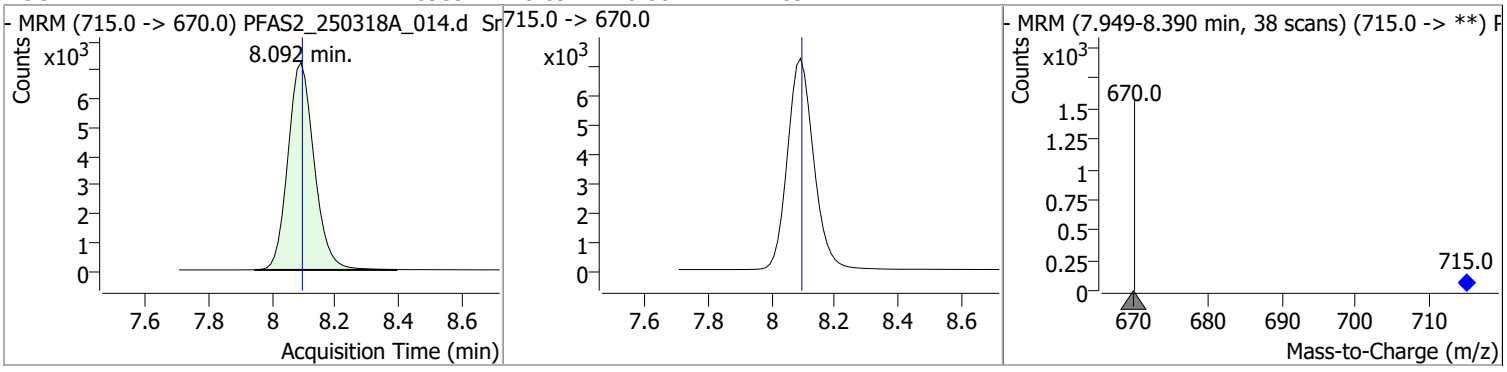
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0022	7.75	0.01	66	663.0 -> 169.0	14.2	7.2	13.4



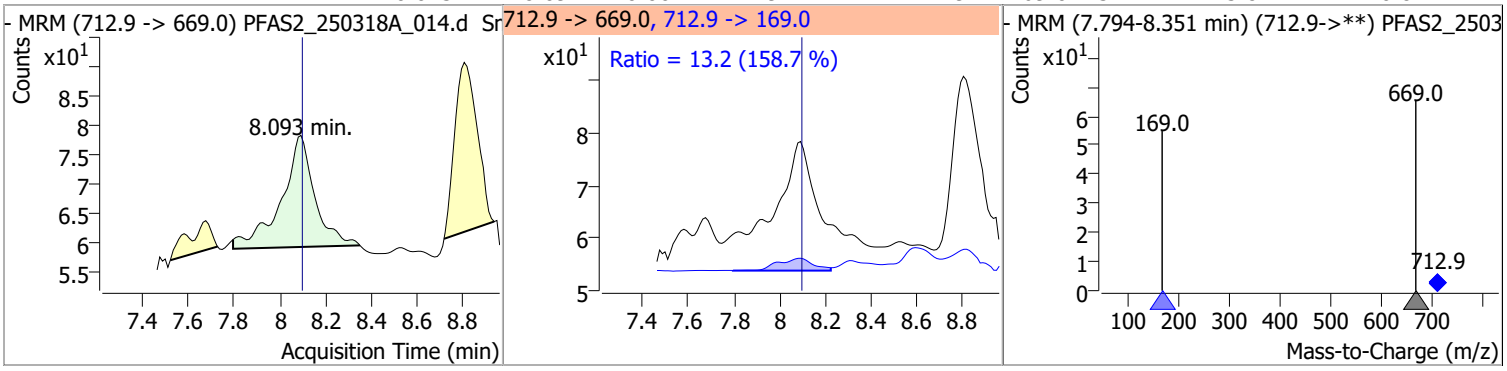
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0048	7.80	0.00	103	632.9 -> 452.9	55.9	23.0	42.7



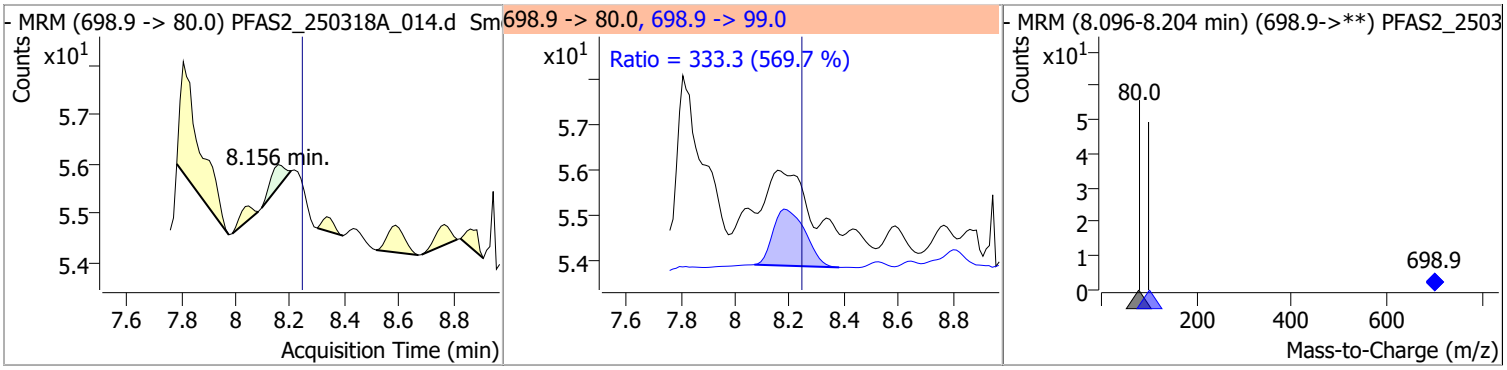
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.0939	8.09	0.00	41097				



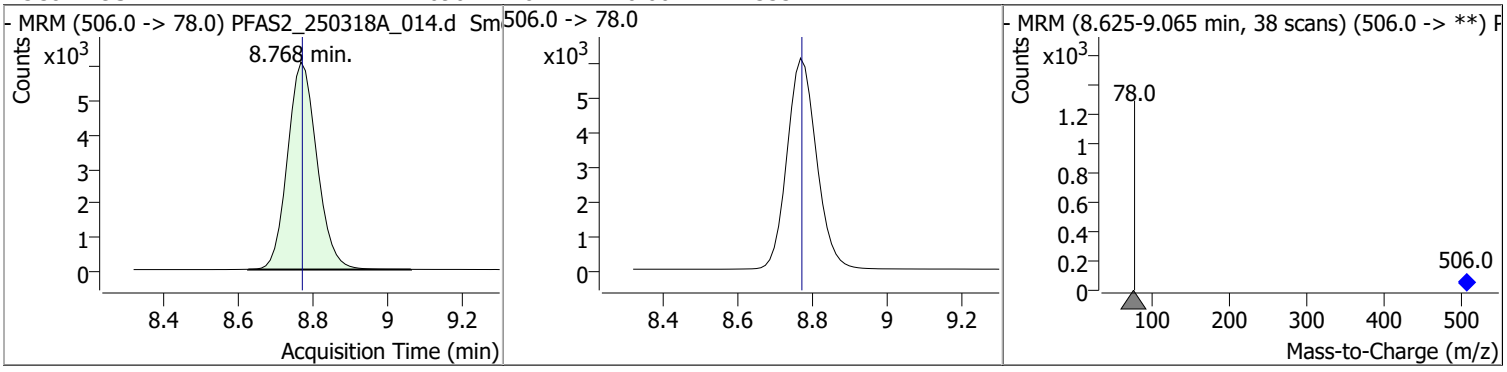
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0134	8.09	0.00	194	712.9 -> 169.0	13.2	5.8	10.8



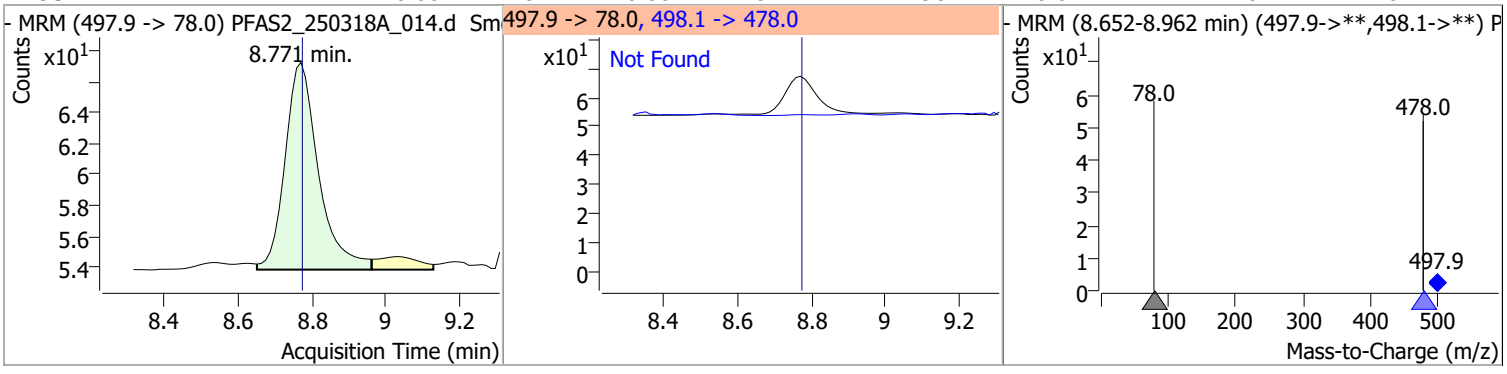
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0007	8.16	-0.08	3	698.9 -> 99.0	333.3	41.0	76.1



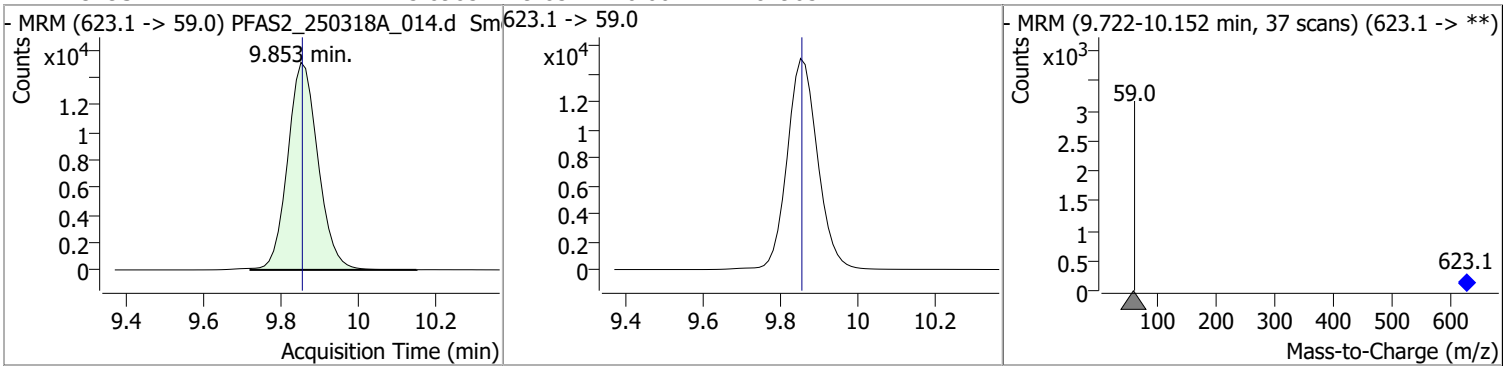
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2090	8.77	0.00	33572				



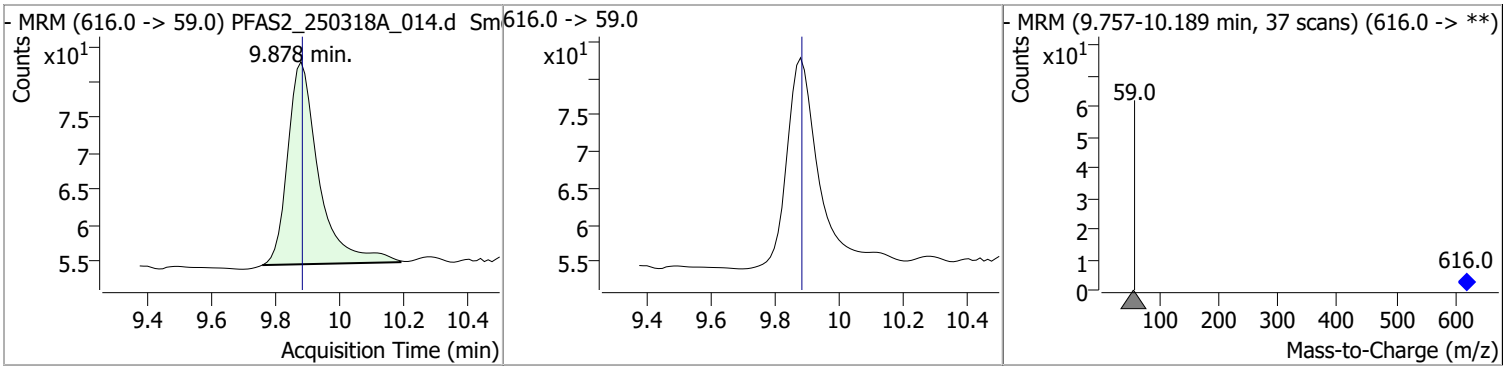
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0072	8.77	0.00	84	498.1 -> 478.0		2.6	4.8



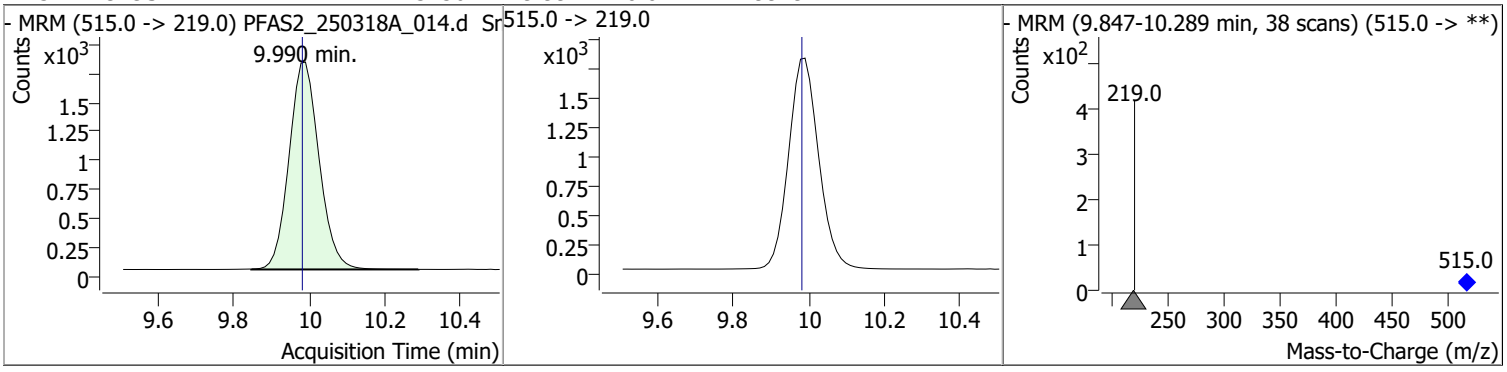
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	15.8985	9.85	0.00	81905				



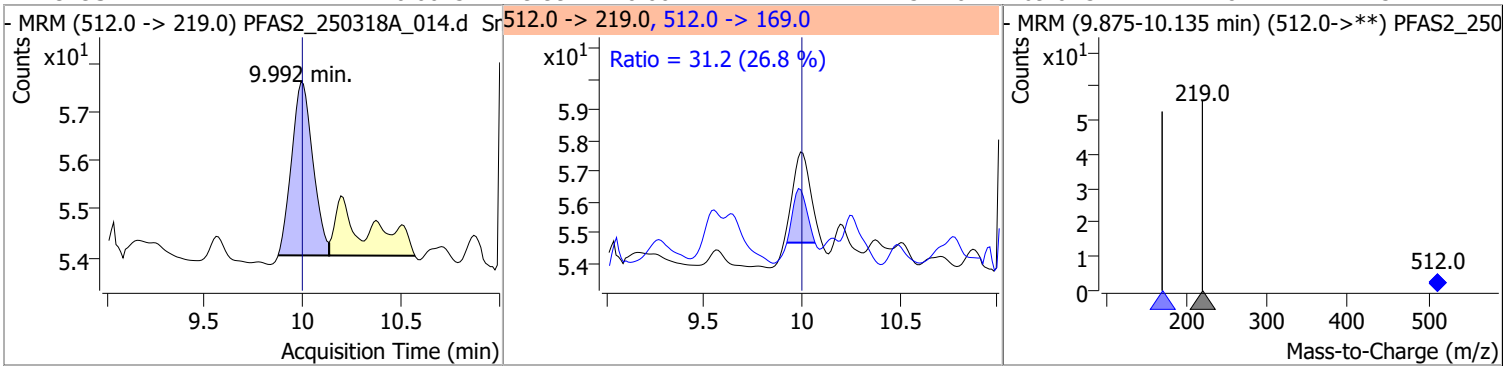
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0304	9.88	0.00	190				



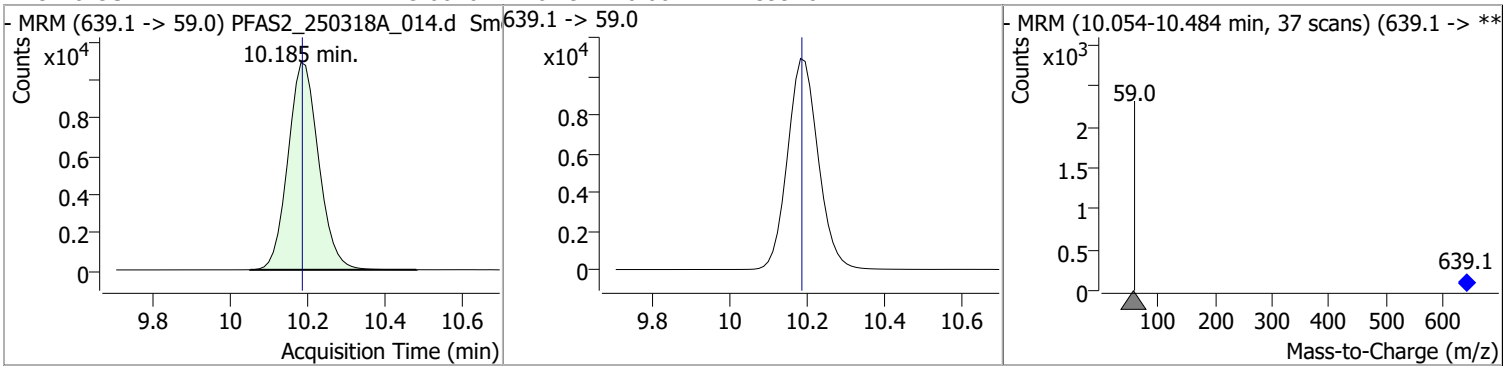
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3256	9.99	0.01	9919				



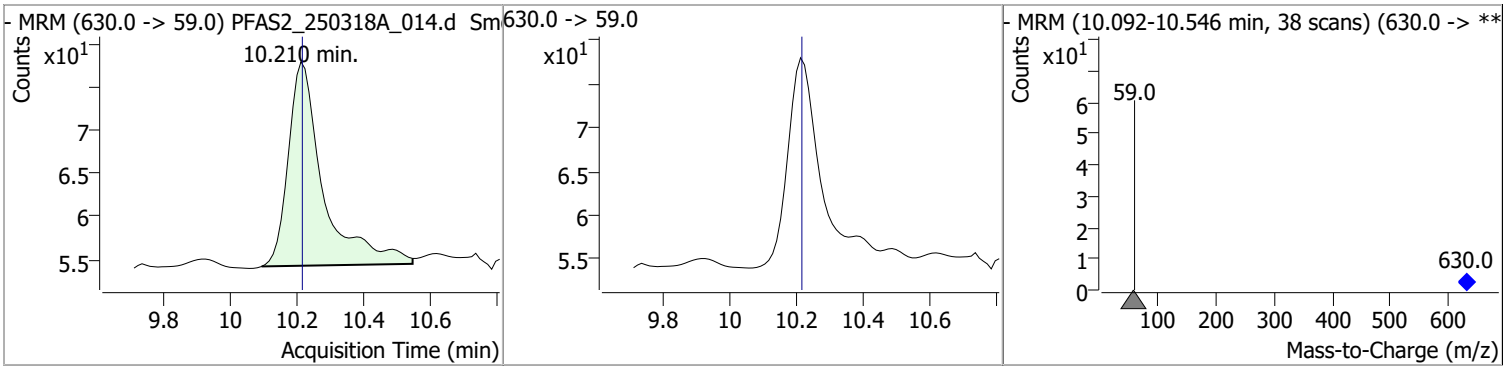
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0073	9.99	0.00	27	512.0 -> 169.0	31.2	81.4	151.2



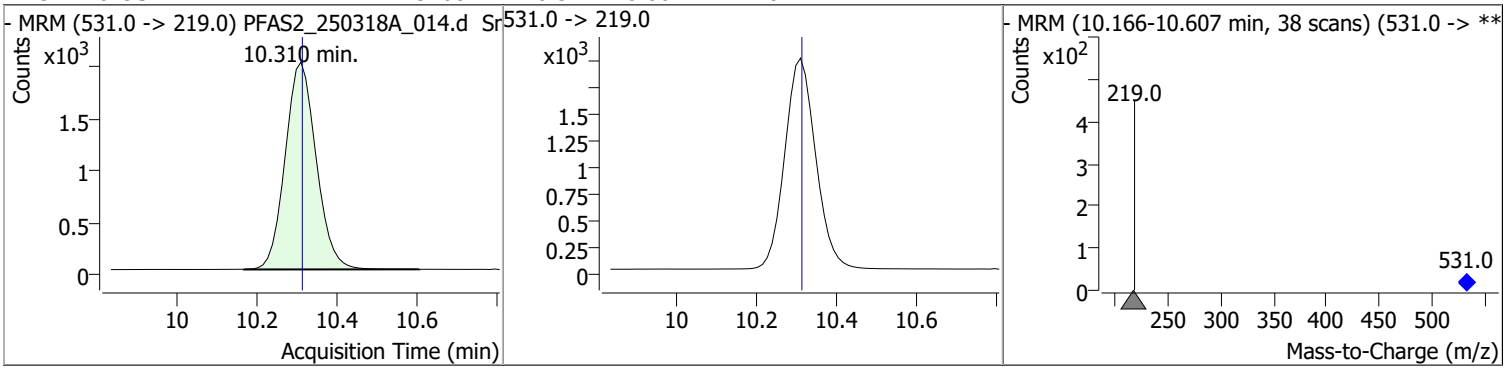
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.0070	10.19	0.00	59978				



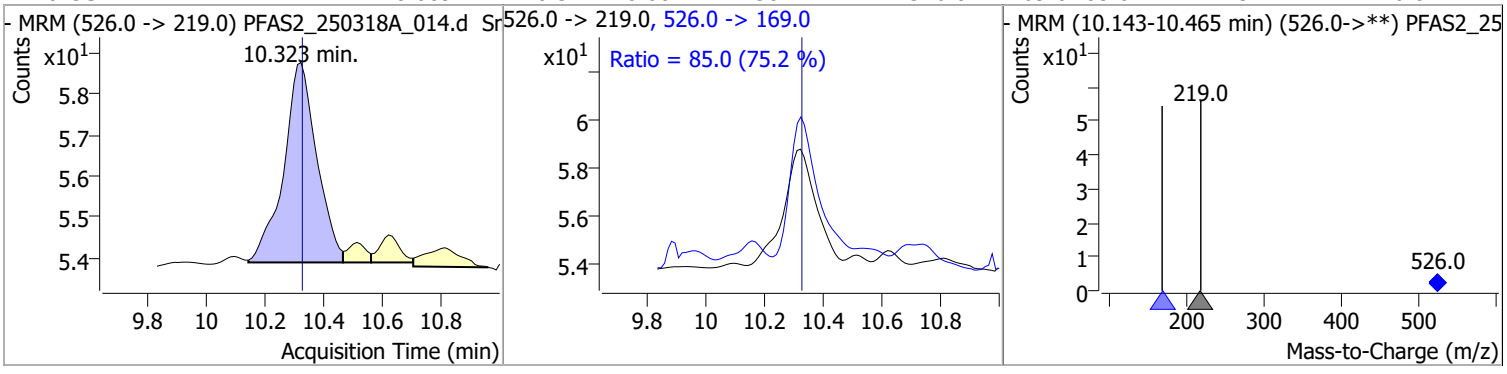
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0895	10.21	0.00	172				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3260	10.31	0.00	10727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0092	10.32	0.00	38	526.0 -> 169.0	85.0	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_019.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:39:00 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

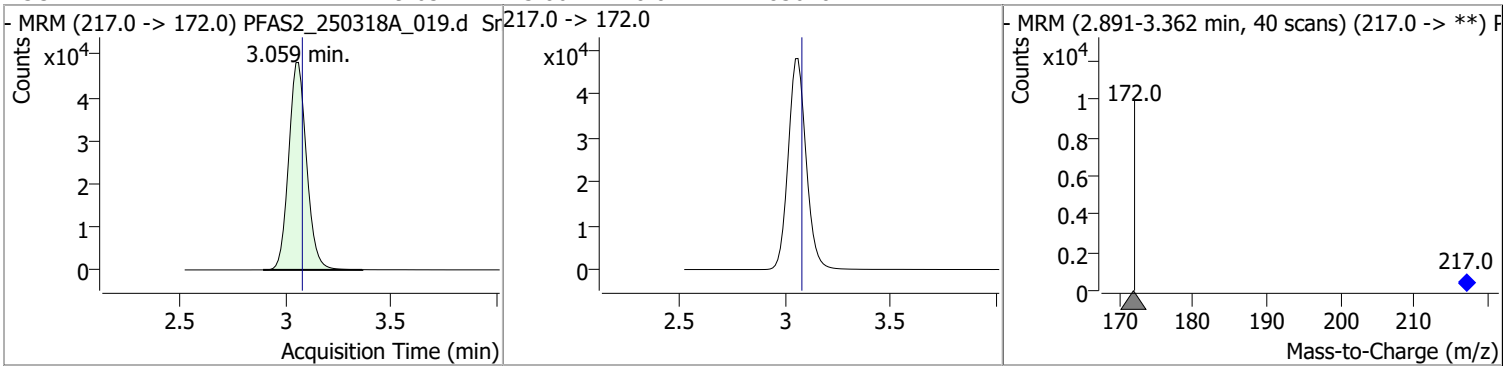
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	129305	5.0000	µg/L		-5.508
13C2-PFHxA	4.878	315.0 -> 270.0	144170	2.5000	µg/L		-6.032
18O2-PFHxS	5.955	403.0 -> 84.0	27430	2.5000	µg/L		-7.426
13C4-PFOA	5.823	417.0 -> 172.0	14601	2.5000	µg/L		-5.484
13C5-PFNA	6.214	468.0 -> 423.0	70630	1.2500	µg/L		-0.762
13C2-PFDA	6.603	515.0 -> 470.0	65306	1.2500	µg/L		-2.348
13C4-PFOS	6.771	503.0 -> 80.0	23224	2.5000	µg/L		-6.765
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	283620	10.0000	µg/L		-8.754
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.52%			
13C5-PFPeA	4.222	268.0 -> 223.0	184319	5.0000	µg/L		-10.922
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.80%			
13C5-PFPeA	4.222	268.0 -> 223.0	184319	5.0000	µg/L		-10.922
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.80%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25124	5.0000	µg/L	#	-0.557
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.86%			
13C5-PFHxA	4.877	318.0 -> 273.0	144351	2.5000	µg/L		-14.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.96%			
13C5-PFHxA	4.877	318.0 -> 273.0	144351	2.5000	µg/L		-14.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.96%			
13C3-PFBS	4.917	302.0 -> 80.0	52098	2.5000	µg/L		-14.205
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.78%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	156323	10.0000	µg/L		-10.555
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.18%			
13C4-PFHpA	5.385	367.0 -> 322.0	169822	2.5000	µg/L		-10.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.71%			
13C3-PFHxS	5.956	402.0 -> 80.0	31157	2.5000	µg/L		-10.851
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.33%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14202	5.0000	µg/L	#	-3.838
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.99%			
13C8-PFOA	5.823	421.0 -> 376.0	160953	2.5000	µg/L		-6.823
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.60%			
13C3-PFHxS	5.956	402.0 -> 80.0	31157	2.5000	µg/L		-10.851
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.33%			
13C9-PFNA	6.213	472.0 -> 427.0	68728	1.2500	µg/L		-2.464
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.24%			
13C8-PFOS	6.771	507.0 -> 80.0	22066	2.5000	µg/L		-12.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.64%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10057	5.0000	µg/L	#	-15.097
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.60%			
13C6-PFDA	6.603	519.0 -> 474.0	66849	1.2500	µg/L		-1.635
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.63%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	52003	5.0000	µg/L		-6.835
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%			
13C8-PFOS	6.771	507.0 -> 80.0	22066	2.5000	µg/L		-12.726

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.64%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	40426	5.0000	µg/L		-4.133
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.77%			
13C7-PFUnDA	6.990	570.0 -> 525.0	49299	1.2500	µg/L		-8.029
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.17%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	38934	1.2500	µg/L		-11.745
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.23%			
13C2-PFDoDA	7.355	615.0 -> 570.0	36141	1.2500	µg/L		-9.524
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.66%			
13C2-PFTDA	8.092	715.0 -> 670.0	41727	1.2500	µg/L		-13.582
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.23%			
13C8-PFOSA	8.780	506.0 -> 78.0	31791	2.5000	µg/L		-13.989
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
2H7-MeFOSE	9.853	623.1 -> 59.0	85542	25.0000	µg/L		-31.917
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 73.08%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9165	2.5000	µg/L		-11.609
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.58%			
2H9-EtFOSE	10.197	639.1 -> 59.0	60812	25.0000	µg/L		-4.247
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 102.66%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9548	2.5000	µg/L		-15.057
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.12%			
Target Compounds							**QValue**
PFBA	3.055	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.023	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	77	0.0367	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.880	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.374	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.435	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.551	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	615	0.0460	µg/L		93
PFHxS	5.945	398.9 -> 80.0	163	0.0134	µg/L		93
PFNA	6.214	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.394	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.448	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	151	0.2942	µg/L		90
PFDA	6.604	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.624	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	347	0.0702	µg/L	#	73
N-EtFOSAA	6.941	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.920	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.052	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.537	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	0.000		0	N.D.			

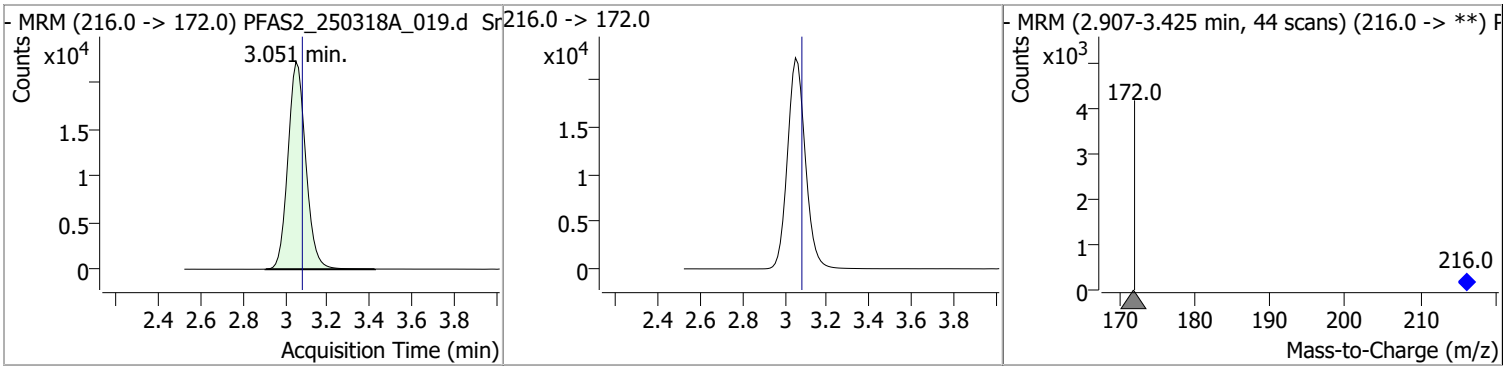
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.119	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	46	0.0000	µg/L		100
N-MeFOSA	10.087	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	59	0.0364	µg/L		100
N-EtFOSA	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

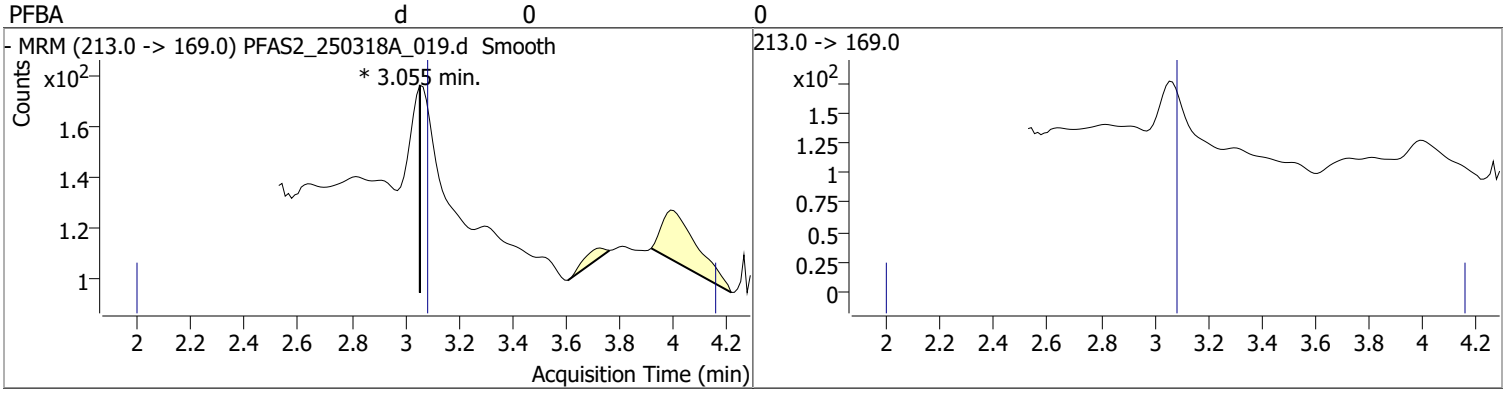
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6522	3.06	-0.01	283620				



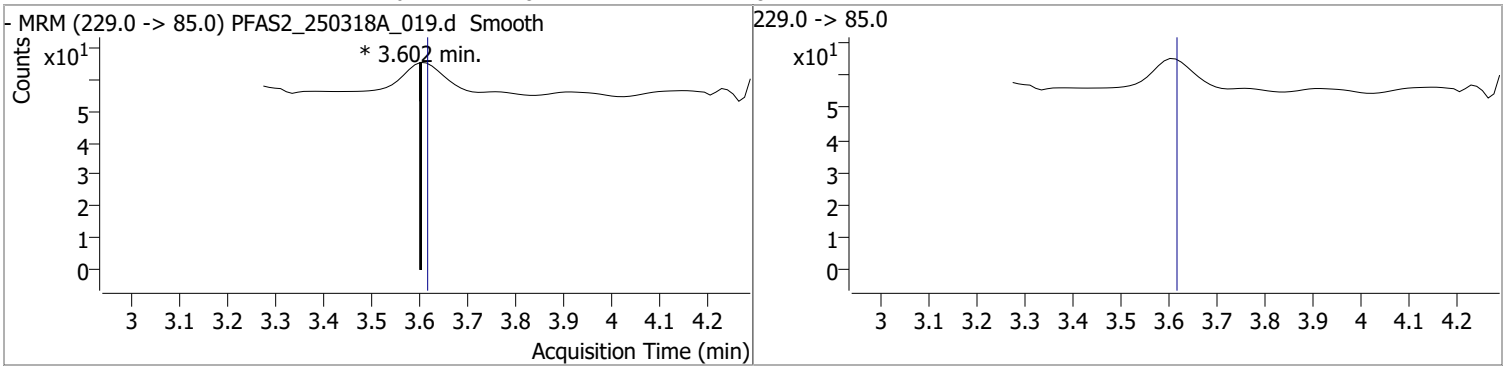
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	129305				



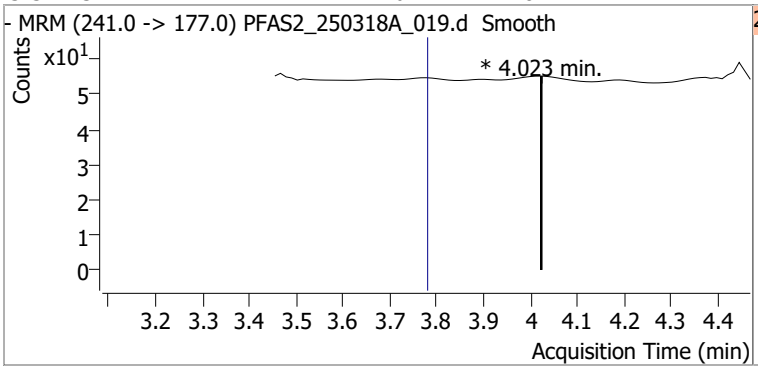
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

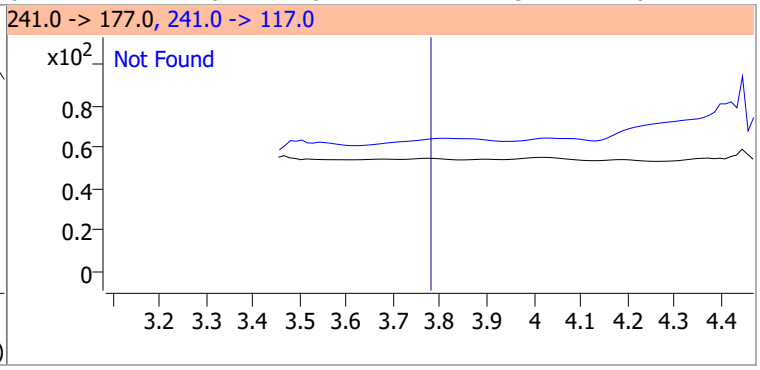


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

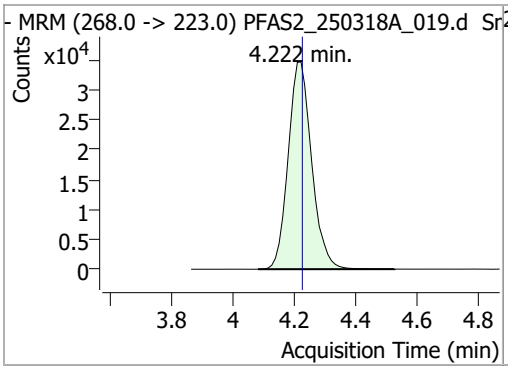


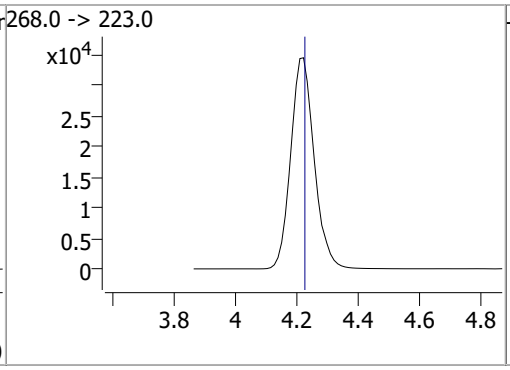
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

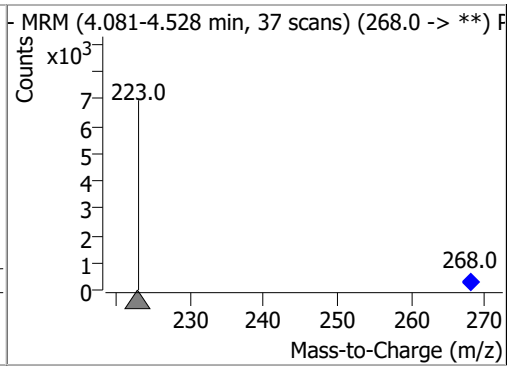




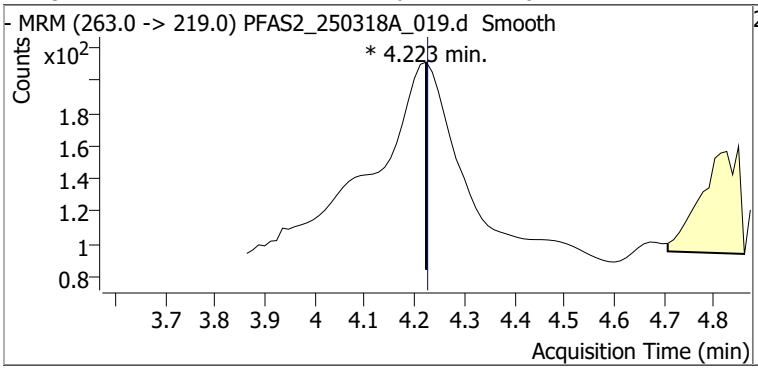
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7401	4.22	0.00	184319				

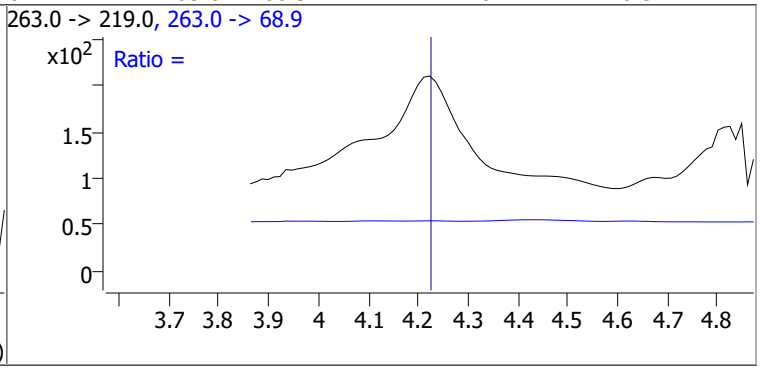




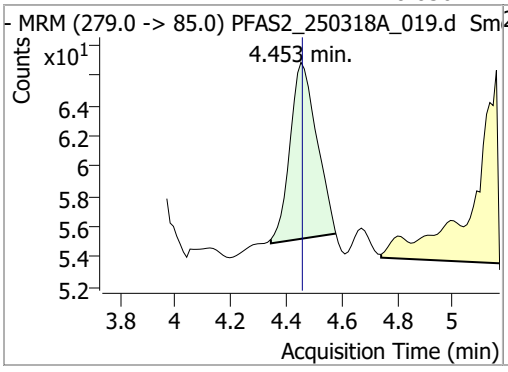


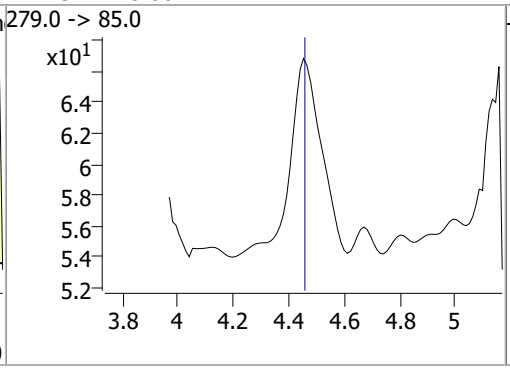
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

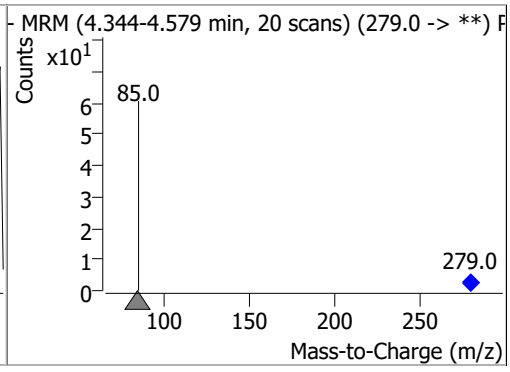




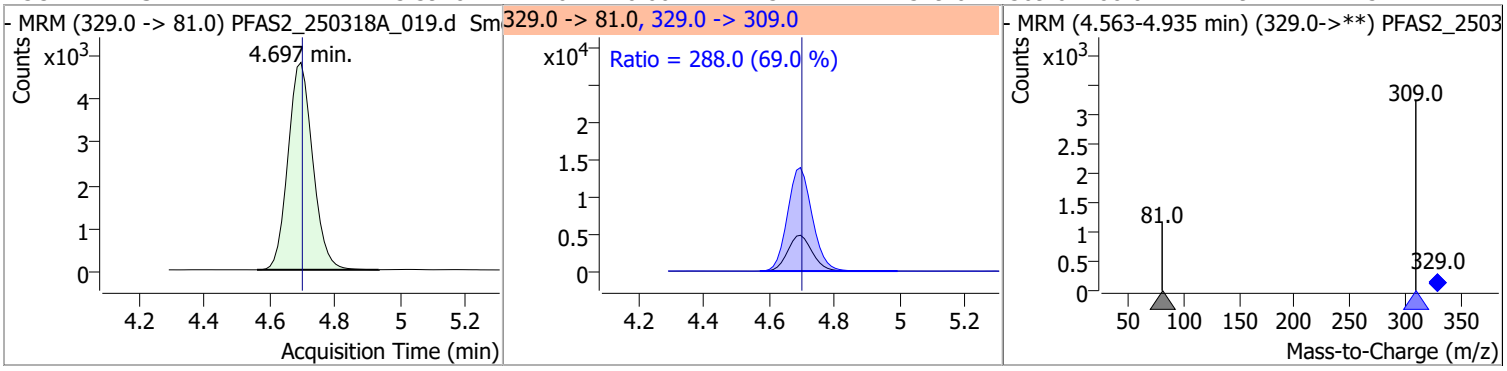
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0367	4.45	0.00	77				



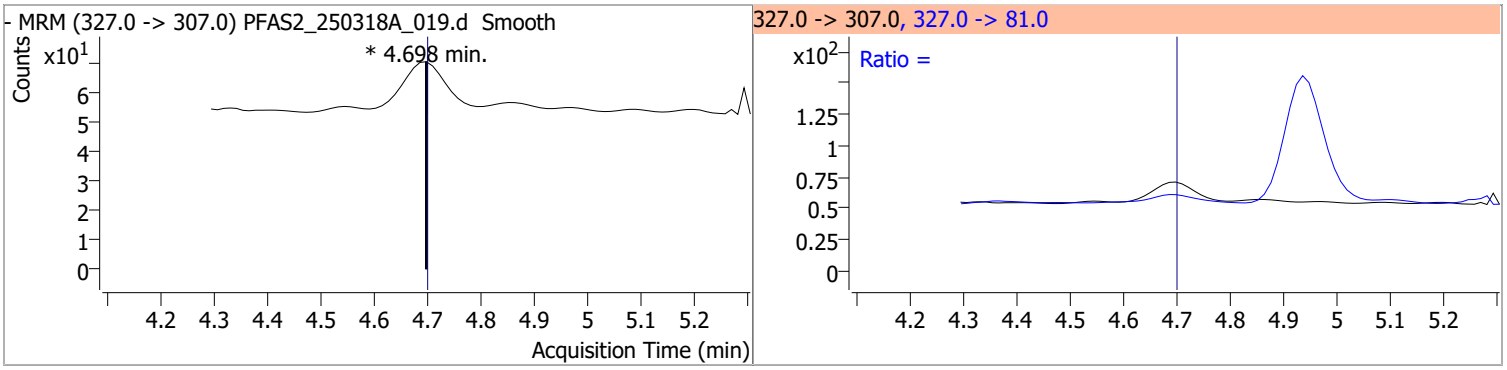




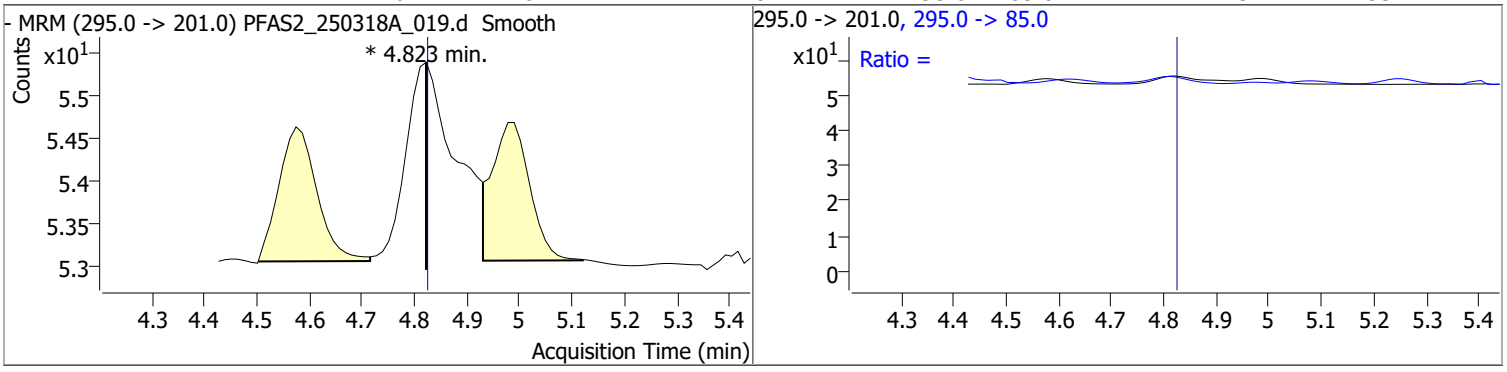
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3928	4.70	0.00	25124	329.0 -> 309.0	288.0	292.1	542.4



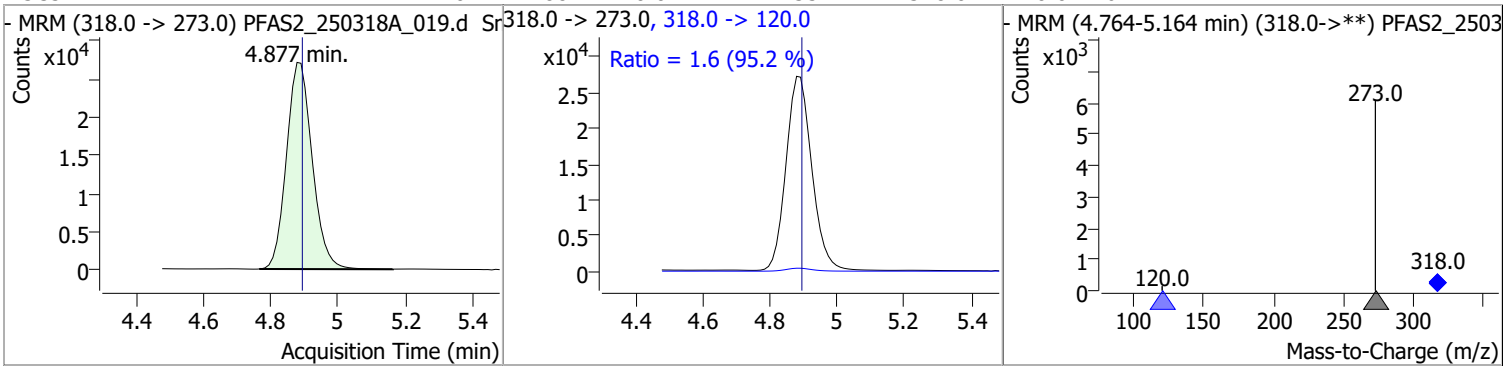
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



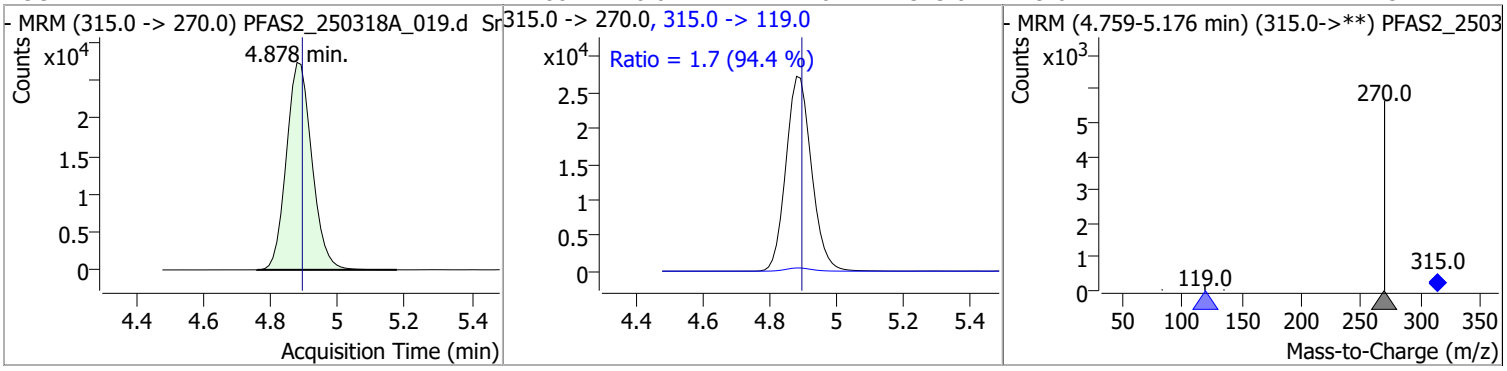
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



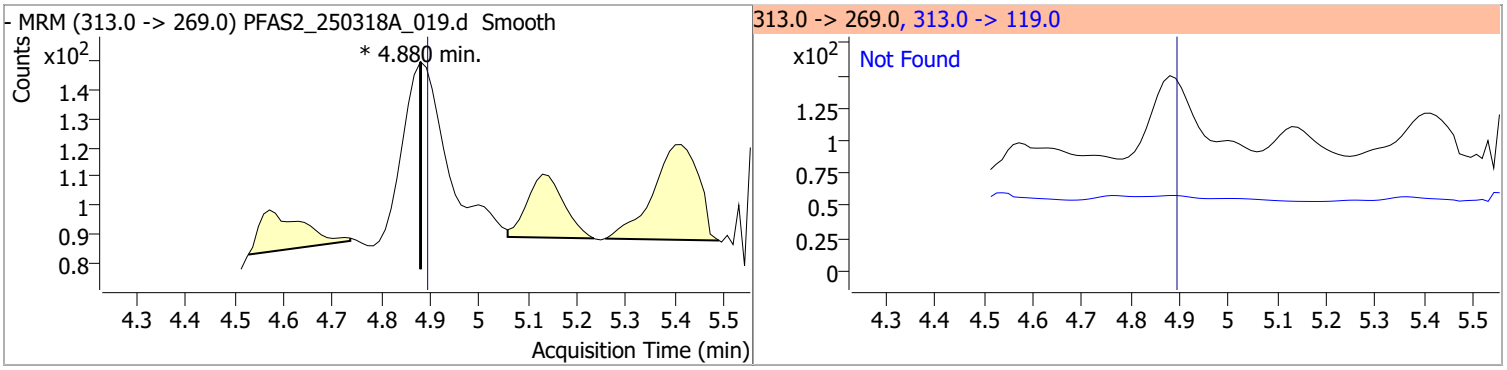
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2740	4.88	-0.01	144351	318.0 -> 120.0	1.6	1.1	2.1



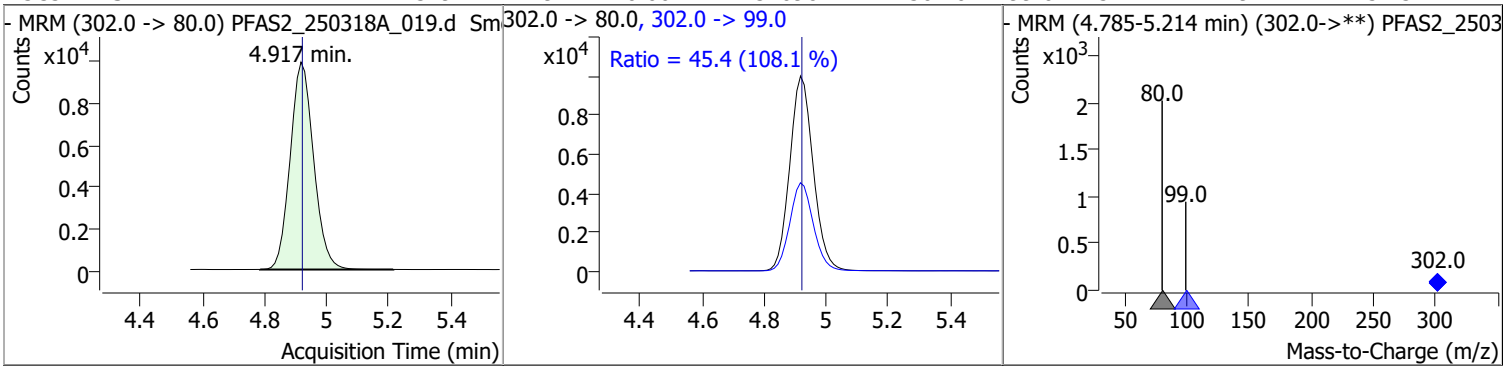
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	144170	315.0 -> 119.0	1.7	1.2	2.3



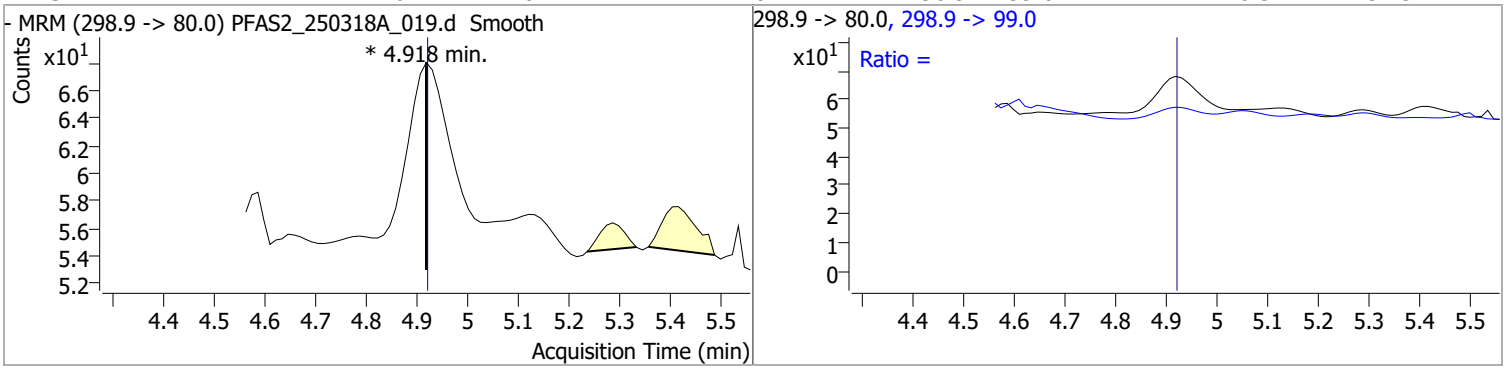
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



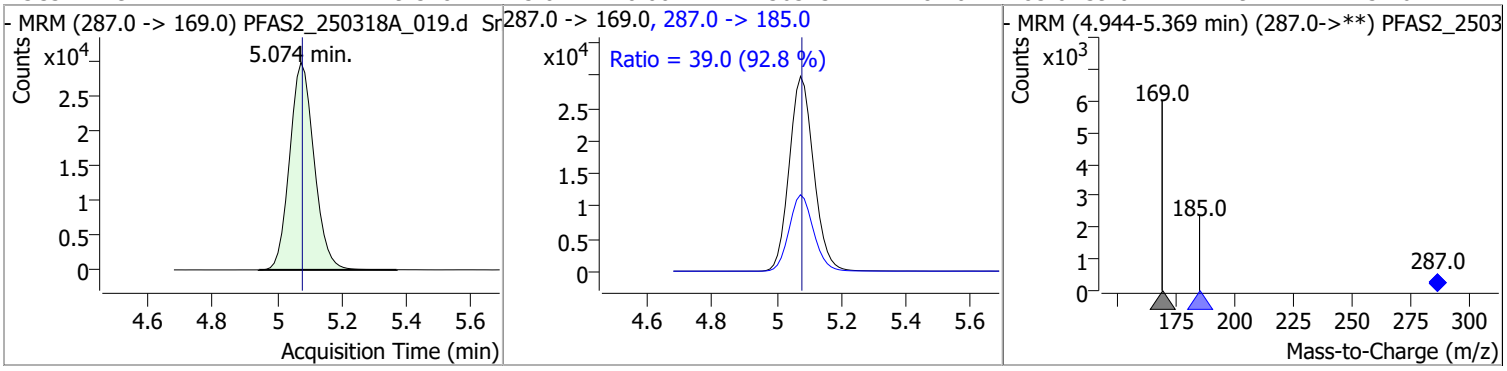
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3194	4.92	0.00	52098	302.0 -> 99.0	45.4	29.4	54.5



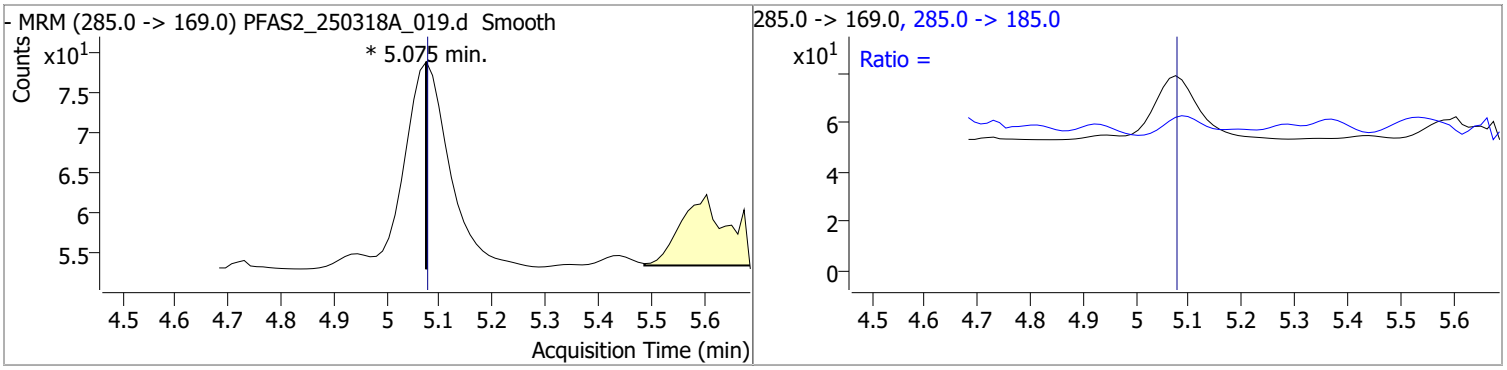
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



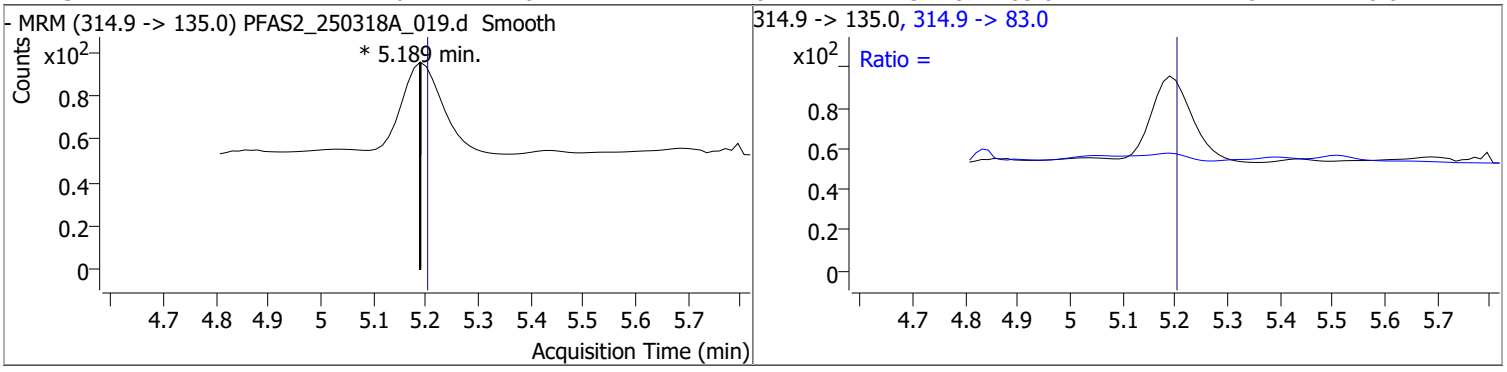
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5182	5.07	0.00	156323	287.0 -> 185.0	39.0	29.4	54.6



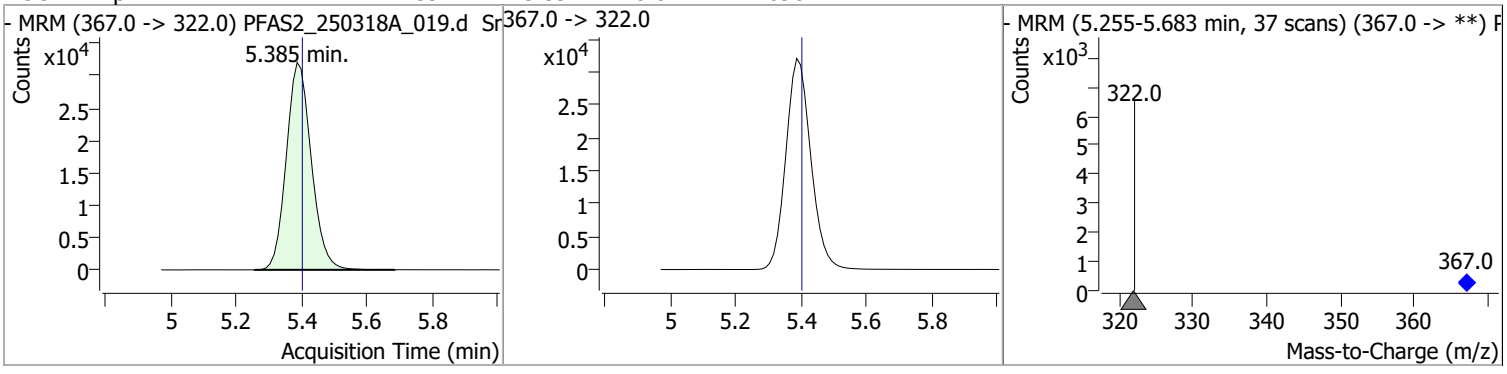
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



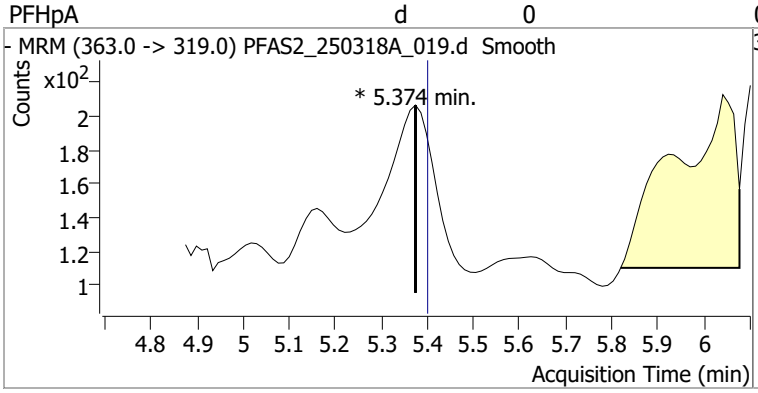
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

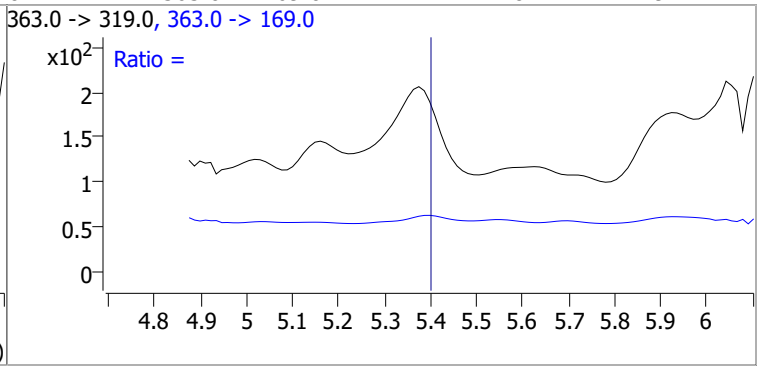


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3927	5.39	-0.01	169822				

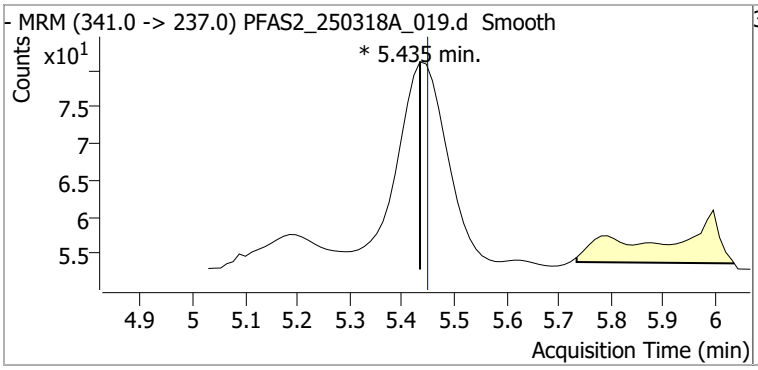


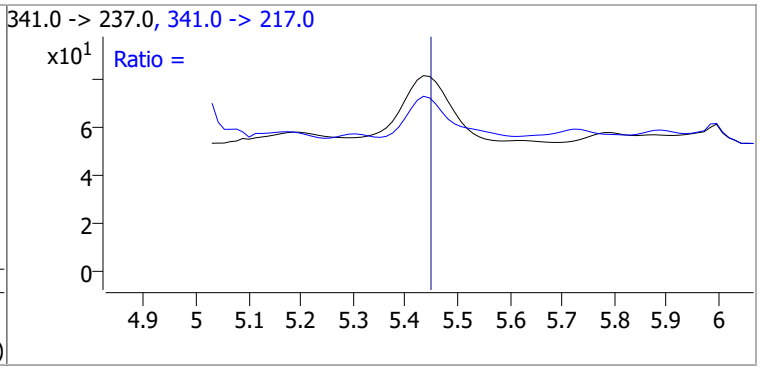
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



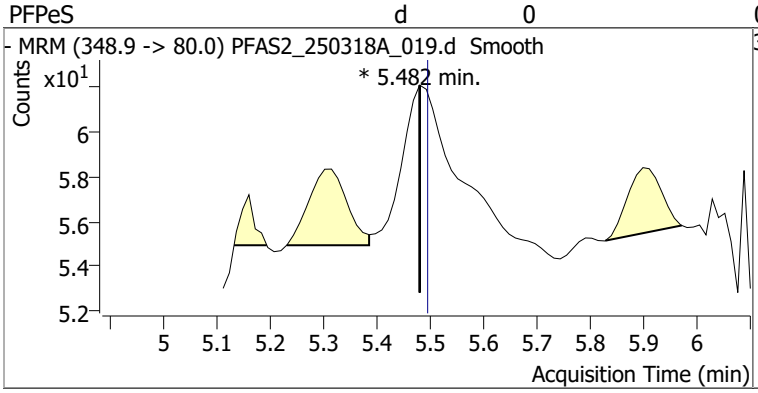


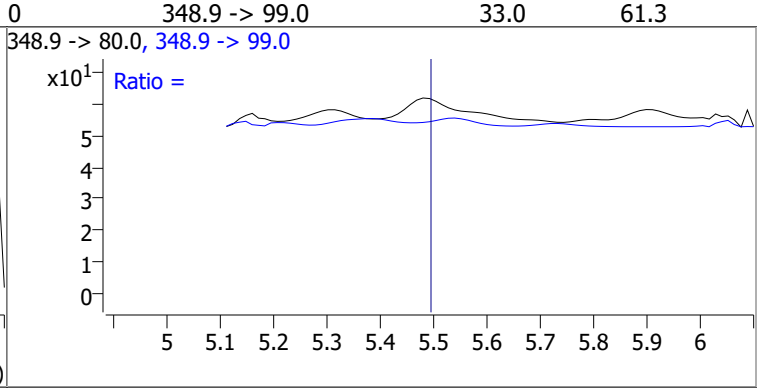
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



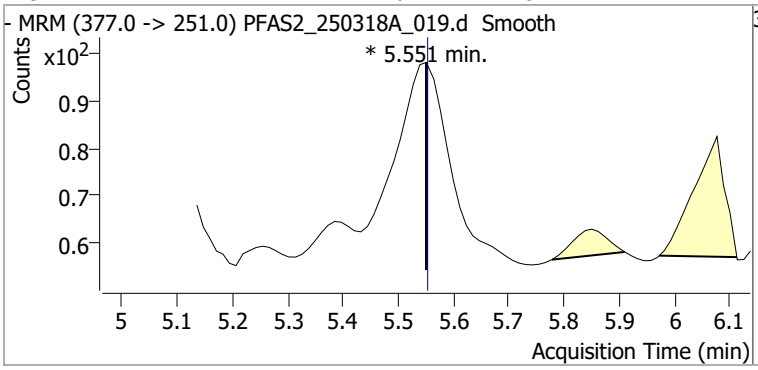


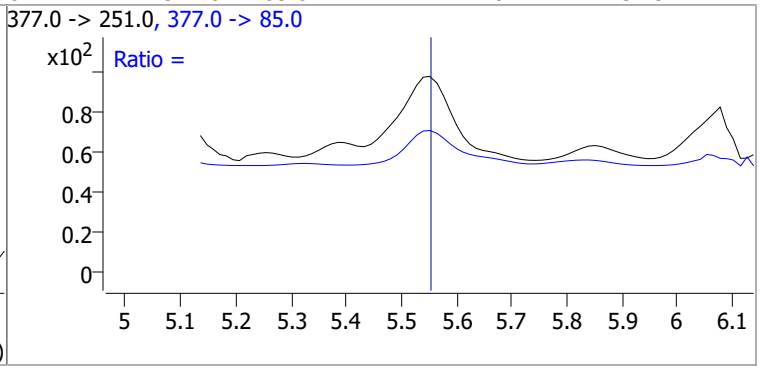
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



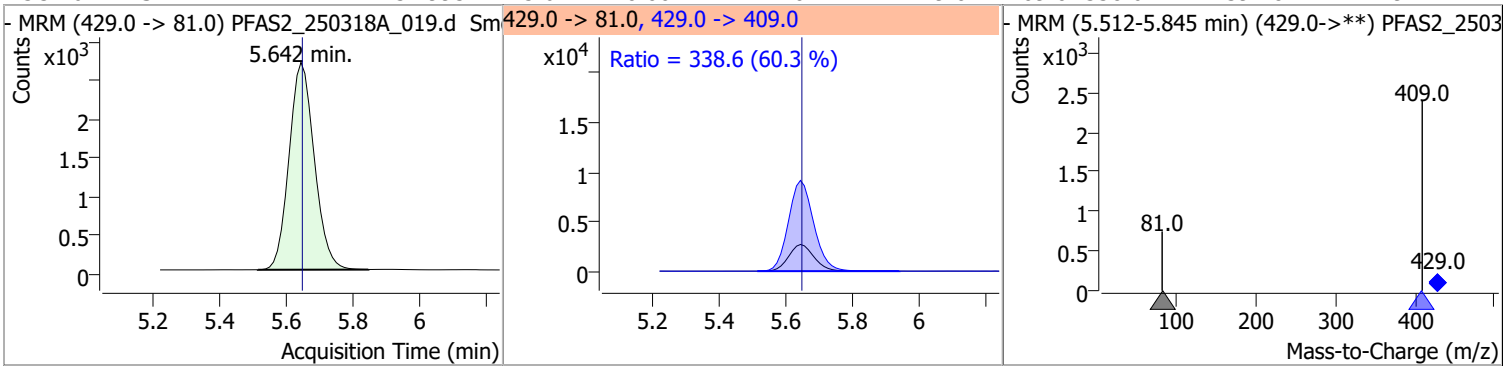


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

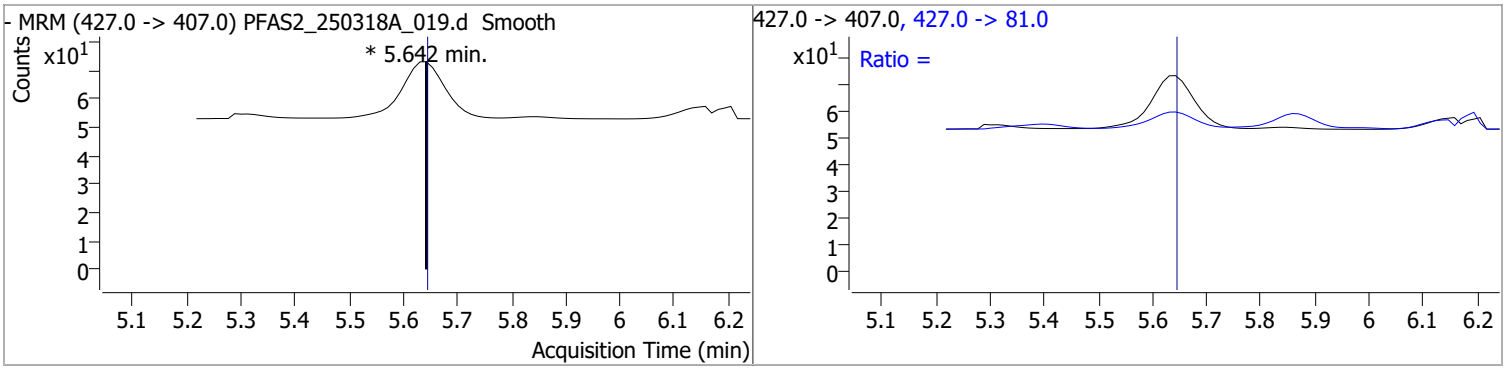




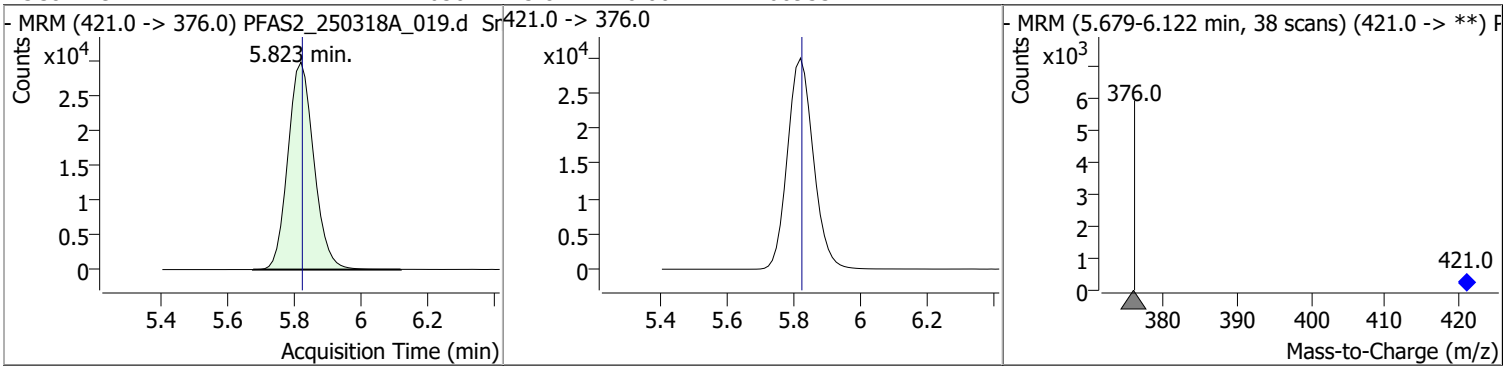
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.1995	5.64	0.00	14202	429.0 -> 409.0	338.6	392.8	729.4



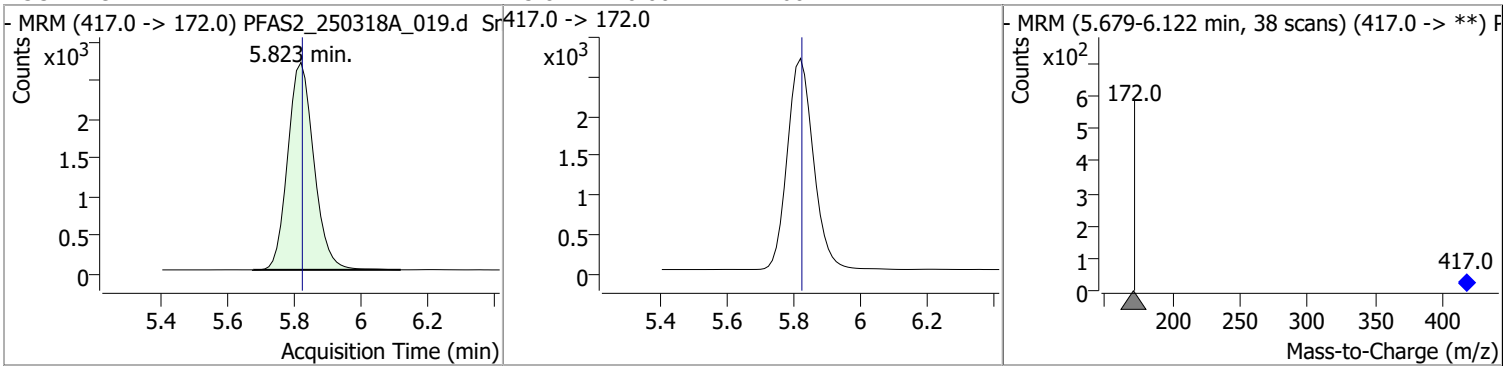
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



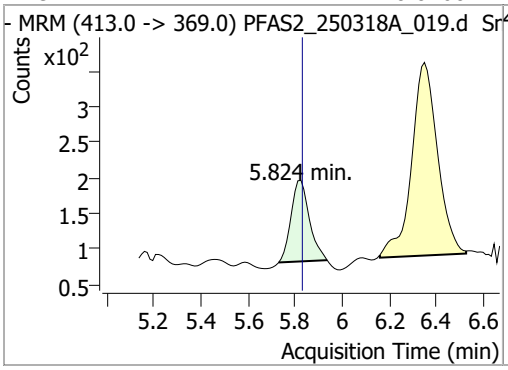
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4650	5.82	0.00	160953				

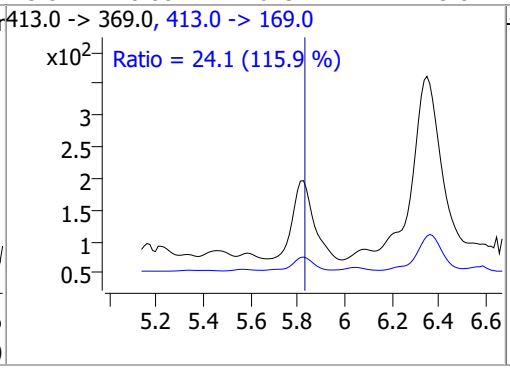


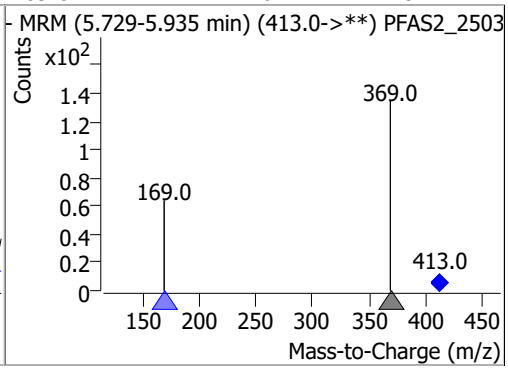
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14601				



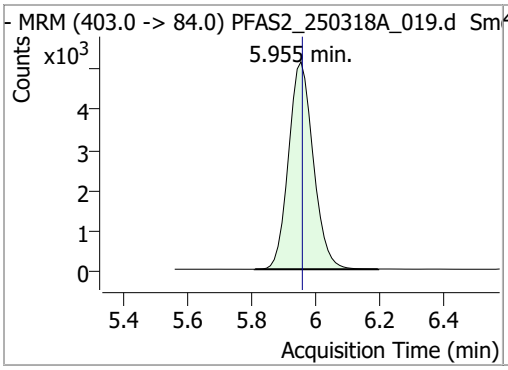
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0460	5.82	0.00	615	413.0 -> 169.0	24.1	14.6	27.0

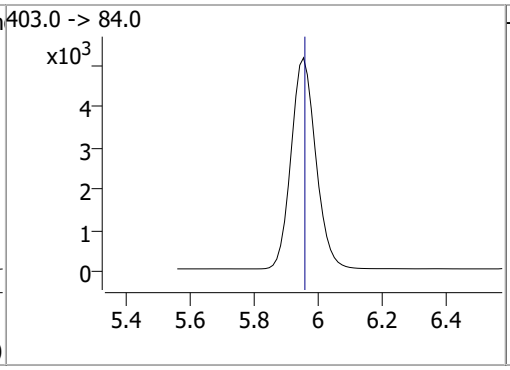


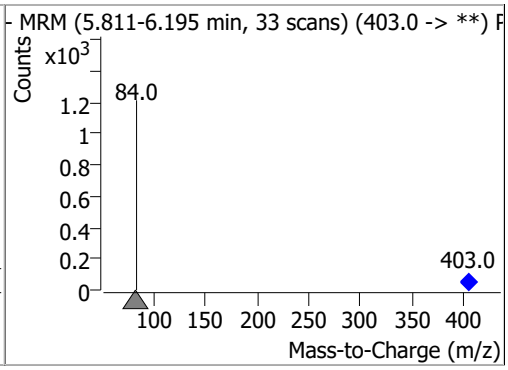




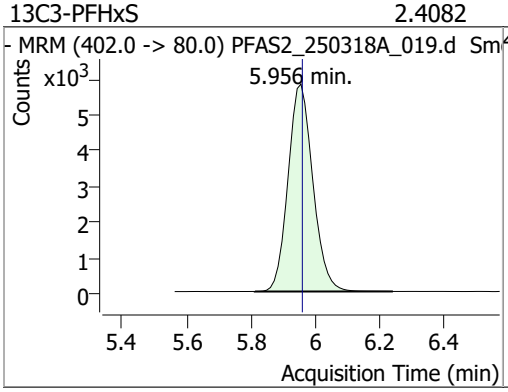
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27430				

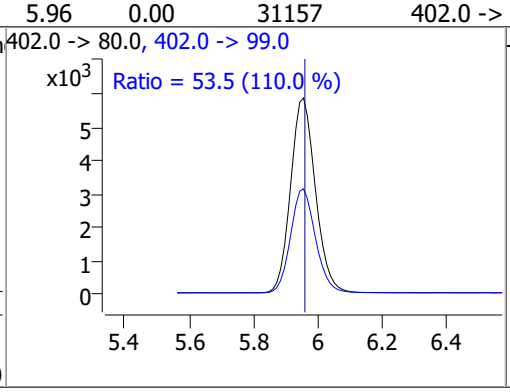


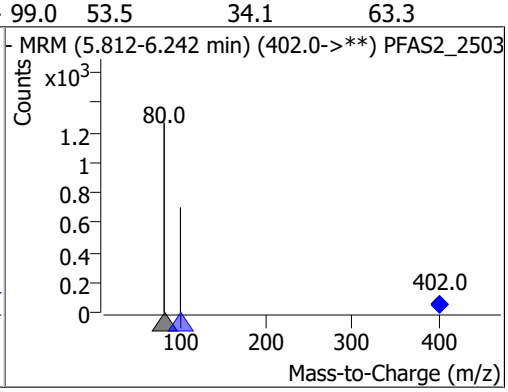




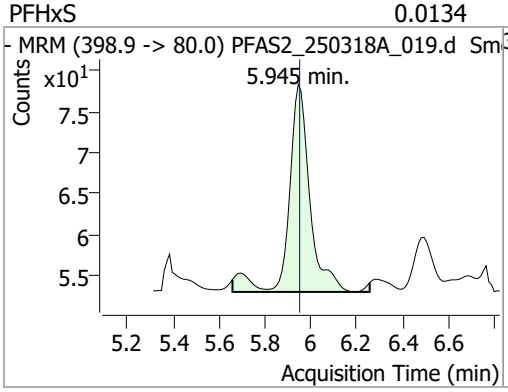
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4082	5.96	0.00	31157	402.0 -> 99.0	53.5	34.1	63.3

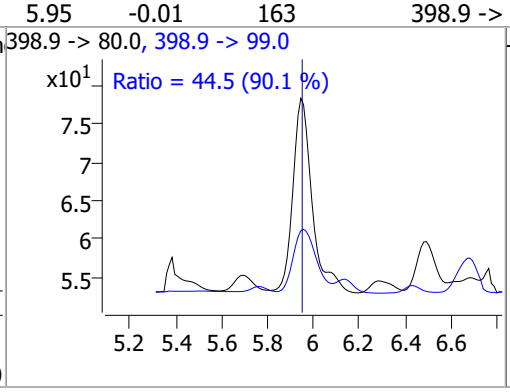


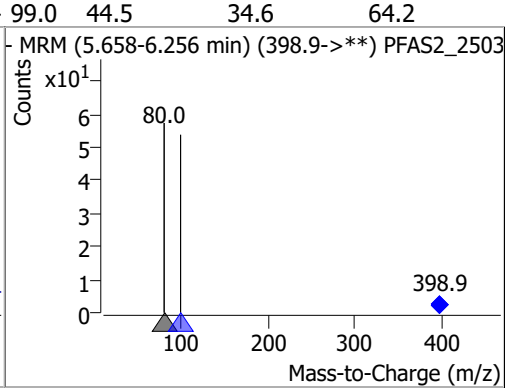




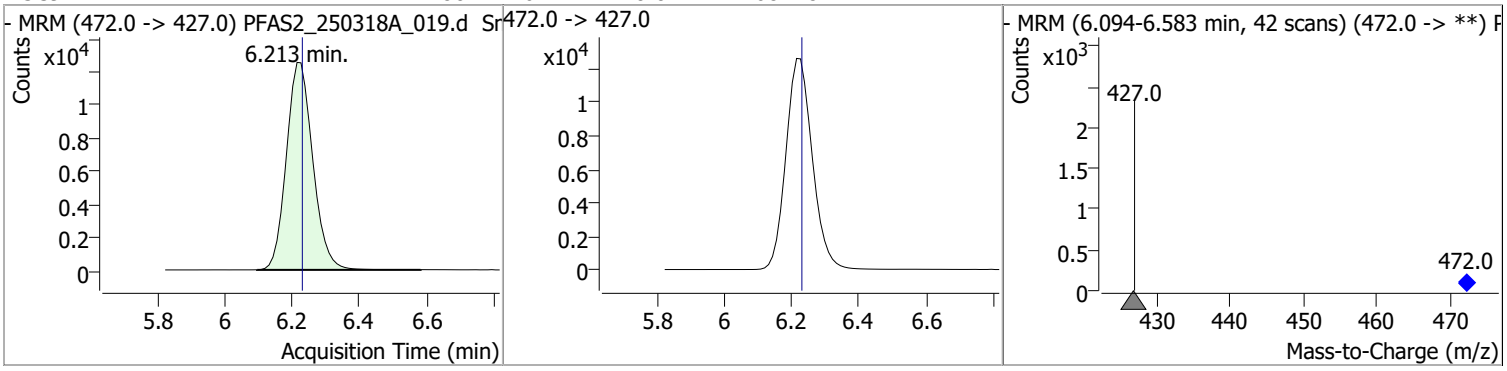
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0134	5.95	-0.01	163	398.9 -> 99.0	44.5	34.6	64.2



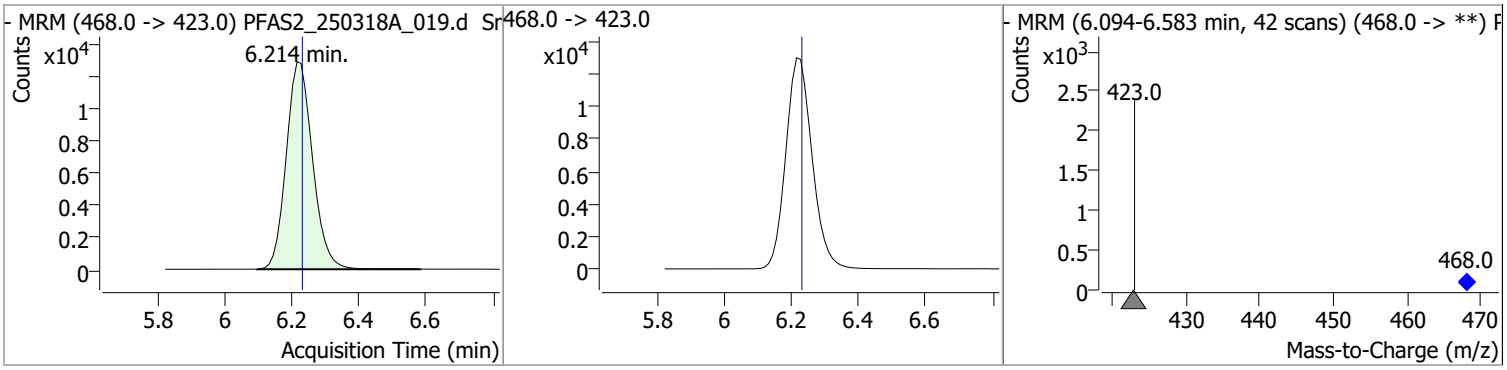




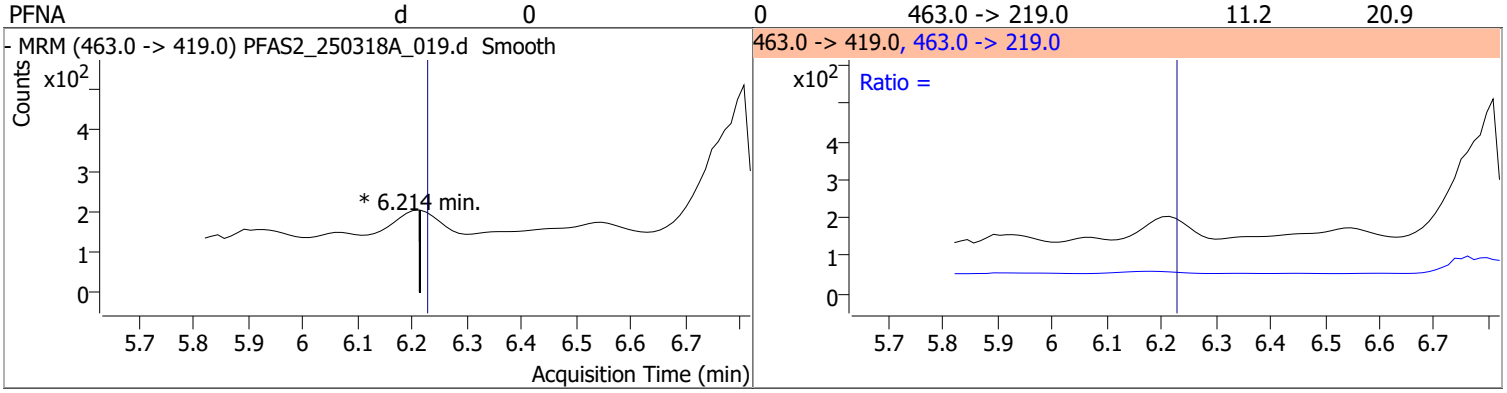
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2280	6.21	-0.01	68728				



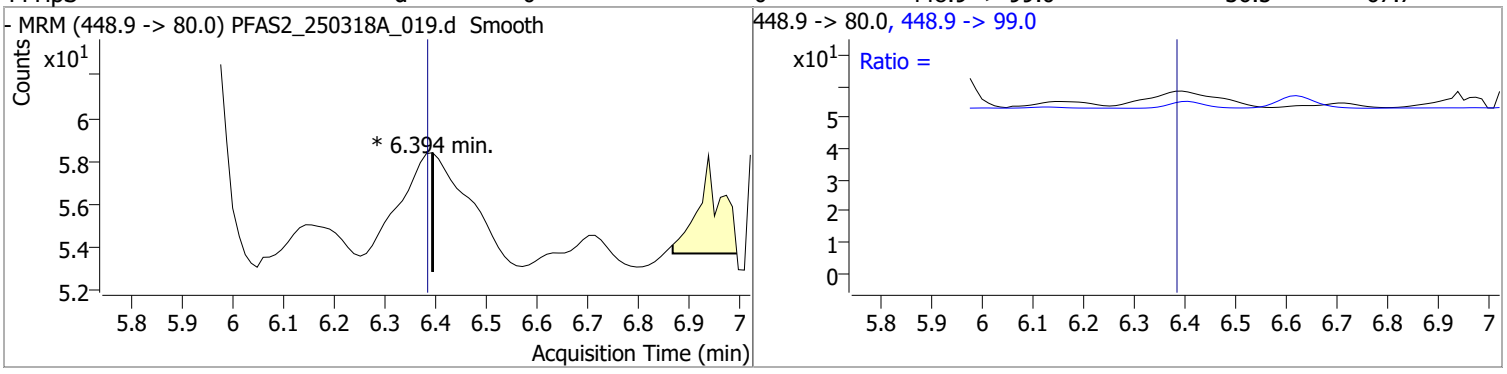
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	70630				



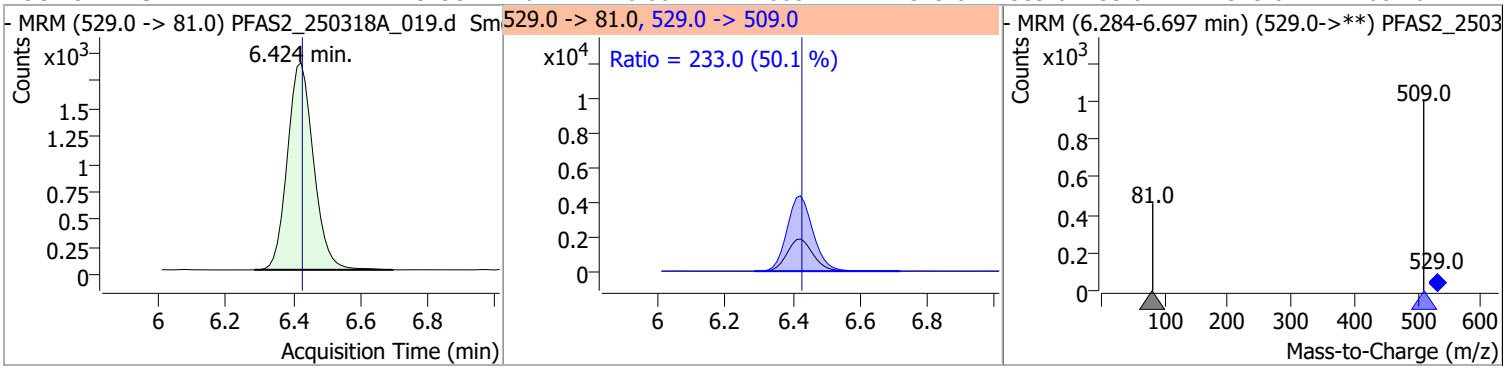
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



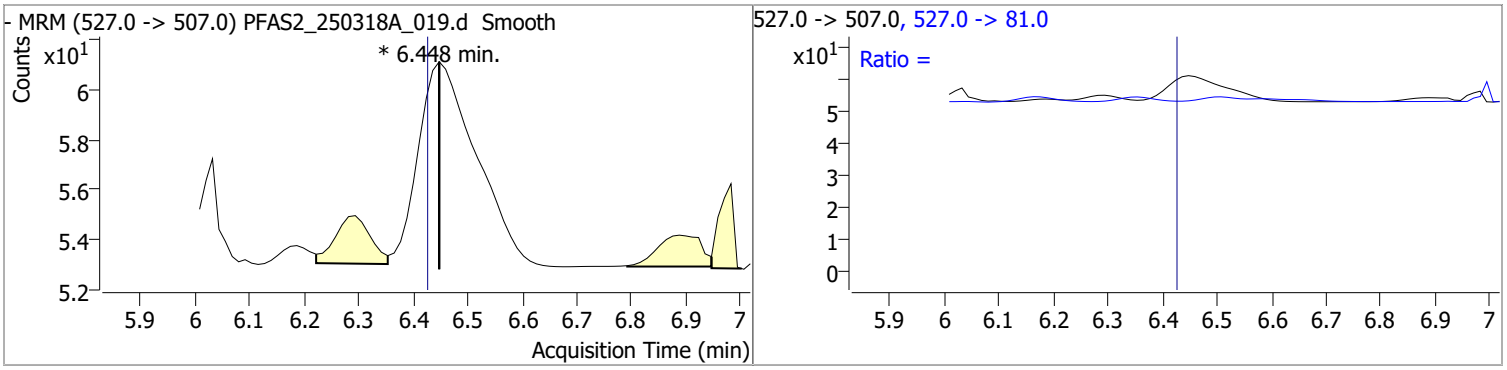
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



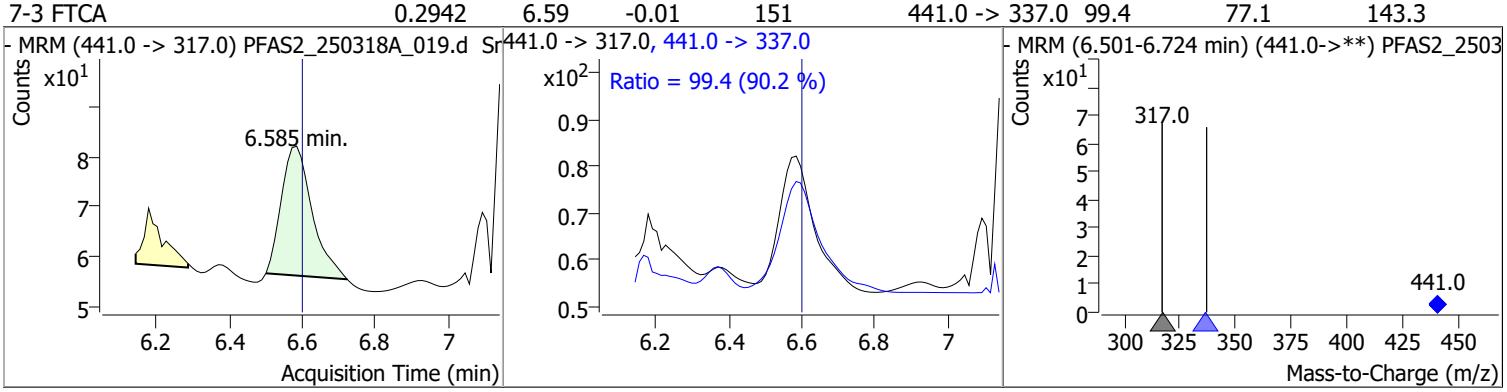
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5798	6.42	0.00	10057	529.0 -> 509.0	233.0	325.6	604.6



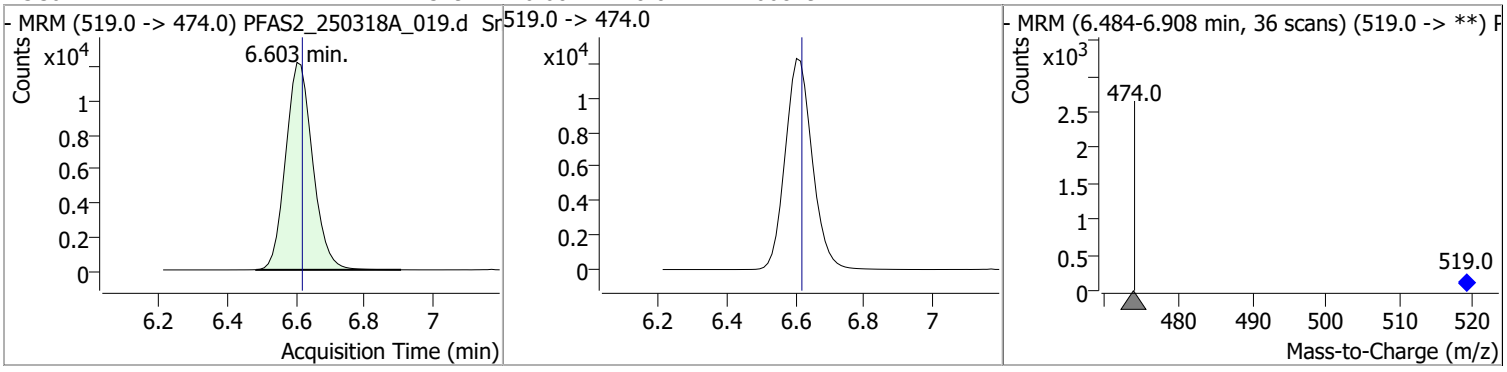
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



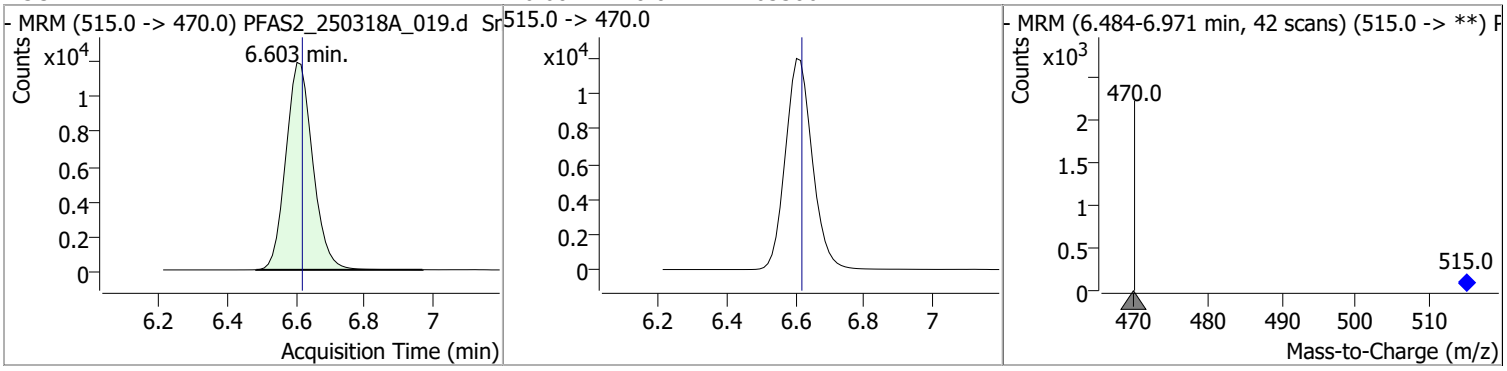
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2942	6.59	-0.01	151	441.0 -> 337.0	99.4	77.1	143.3



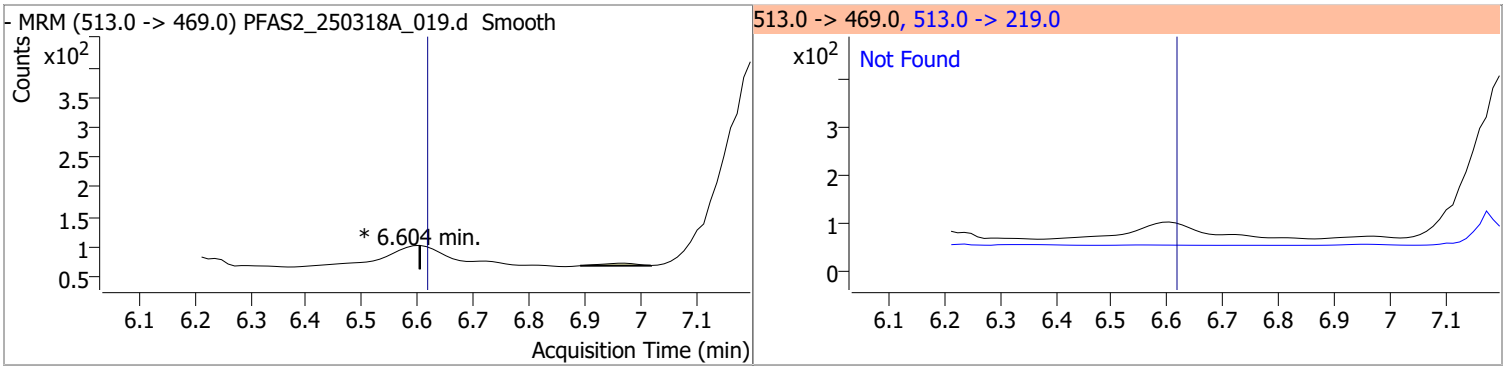
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2579	6.60	-0.01	66849				



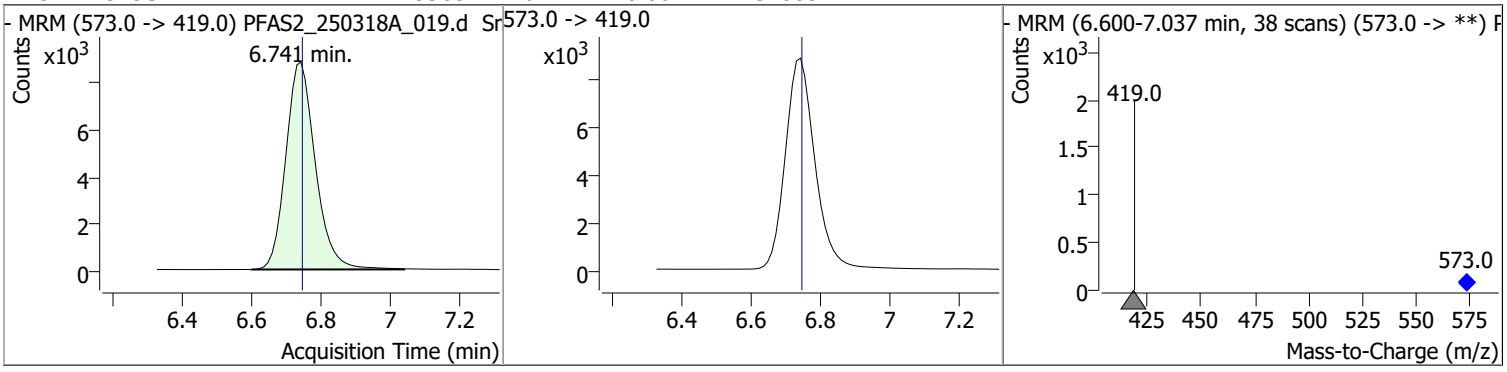
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	65306				



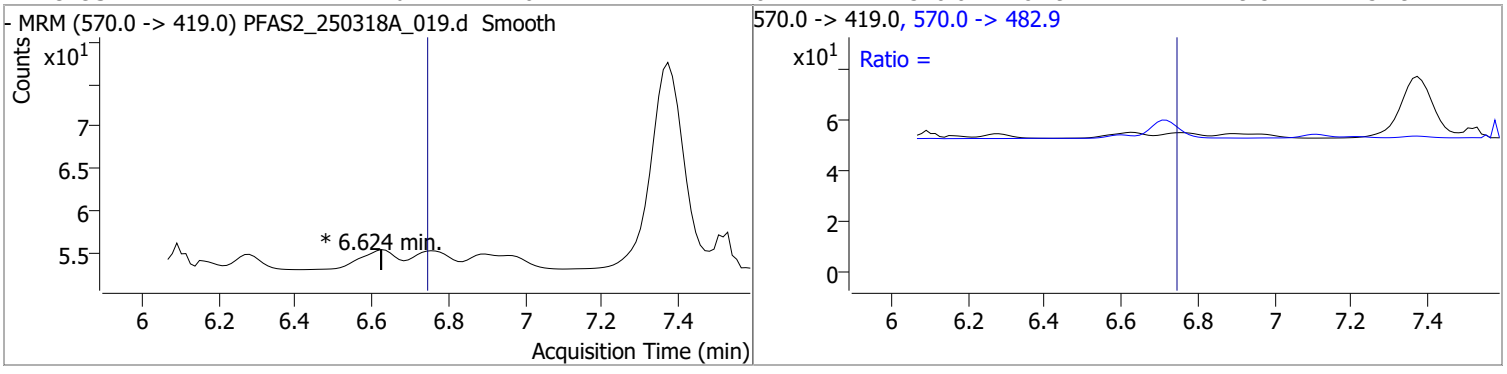
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



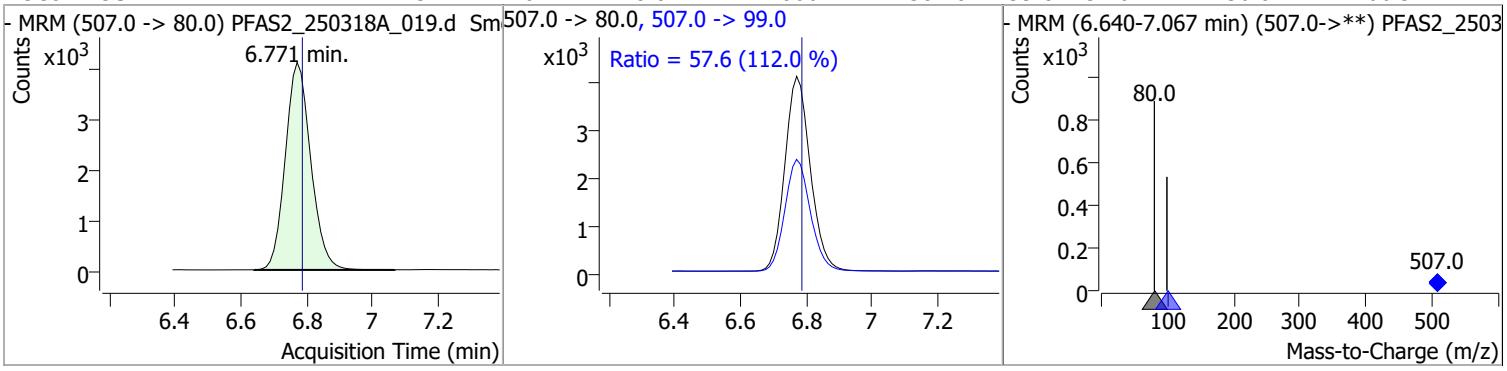
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9905	6.74	0.00	52003				



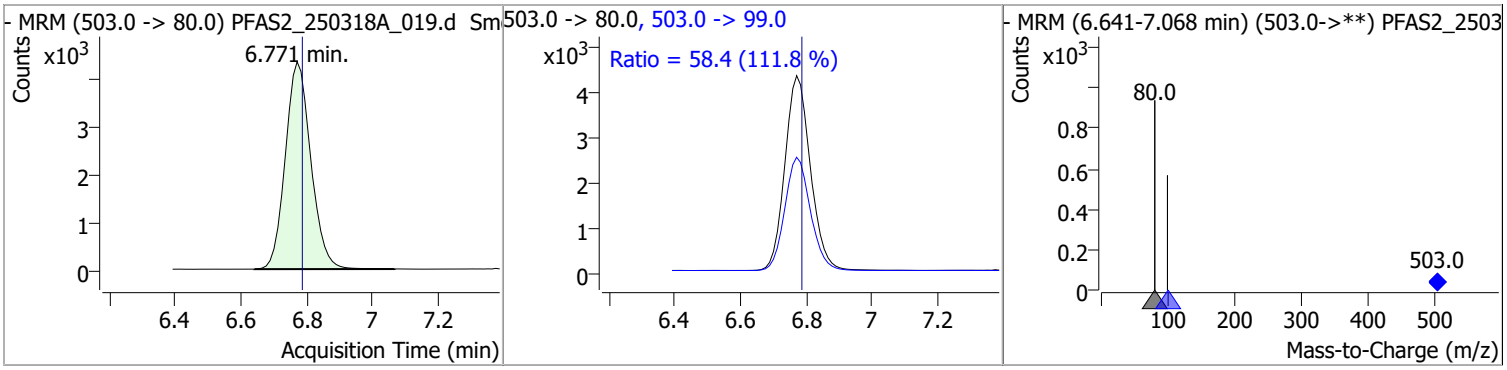
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



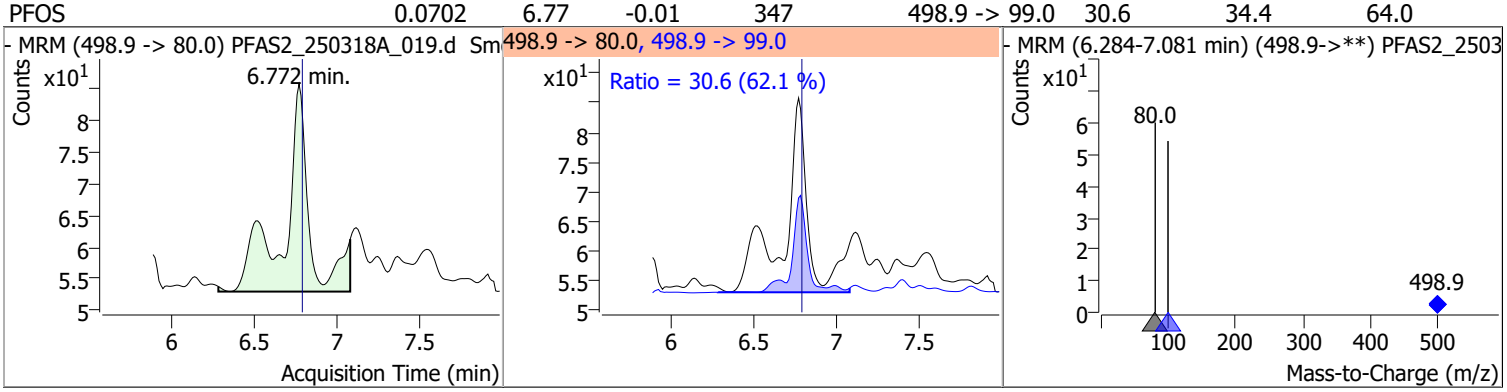
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3411	6.77	-0.01	22066	507.0 -> 99.0	57.6	36.0	66.9



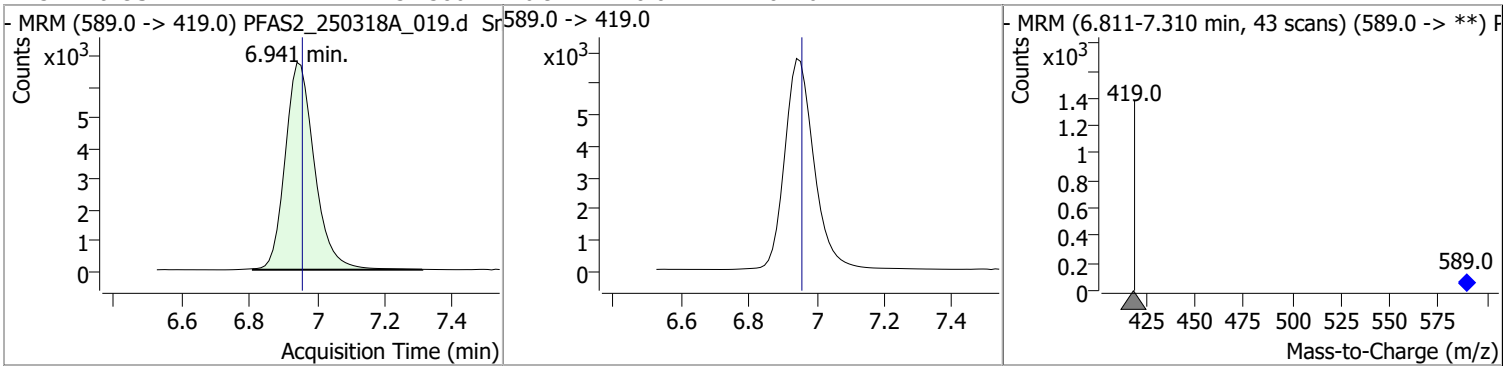
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23224	503.0 -> 99.0	58.4	36.6	67.9



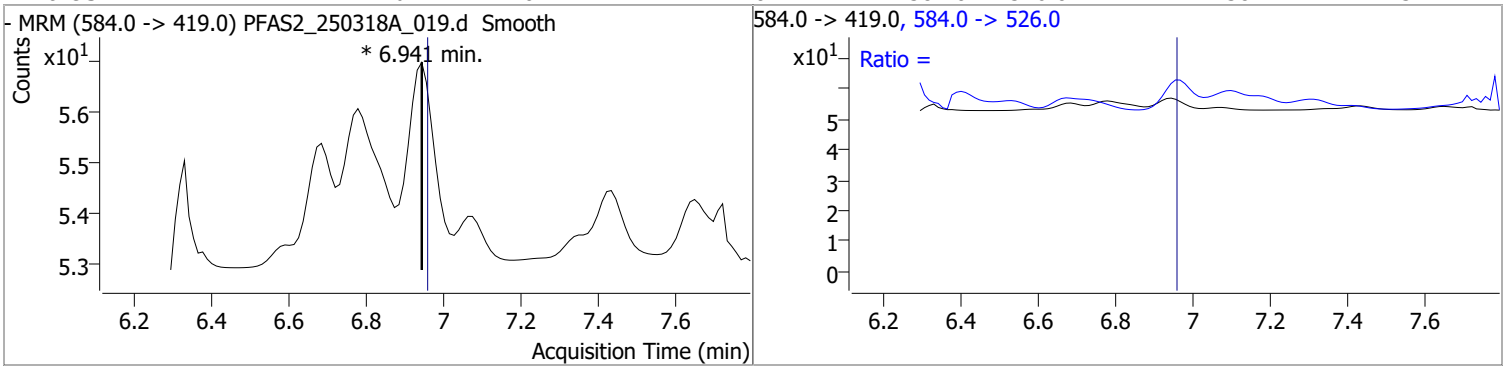
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0702	6.77	-0.01	347	498.9 -> 99.0	30.6	34.4	64.0



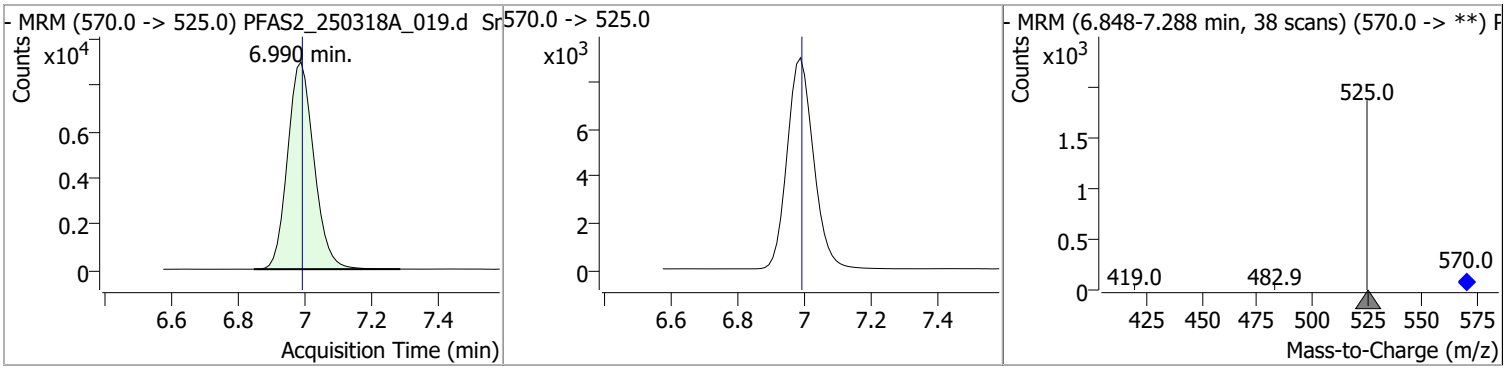
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1386	6.94	-0.01	40426				



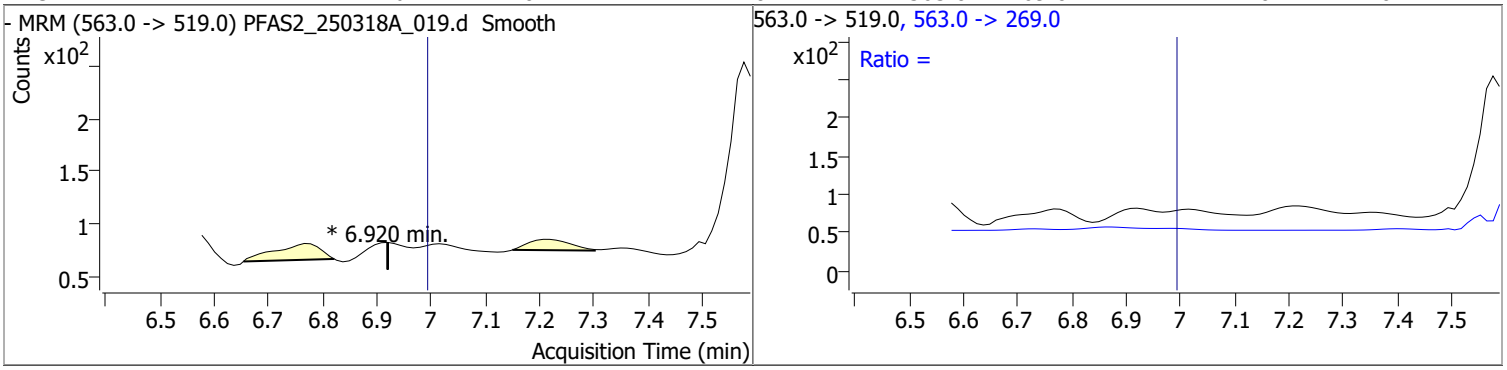
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



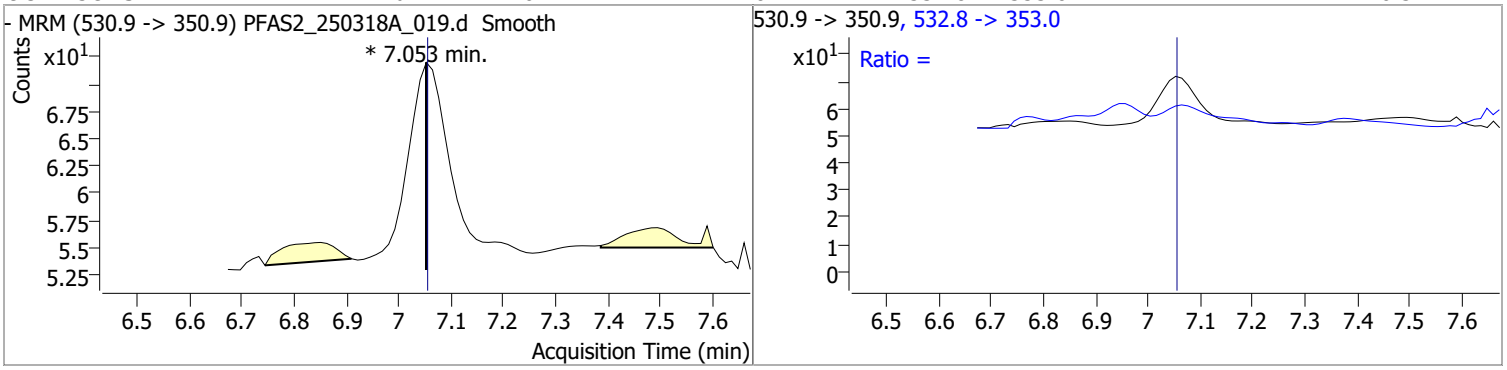
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1771	6.99	0.00	49299				



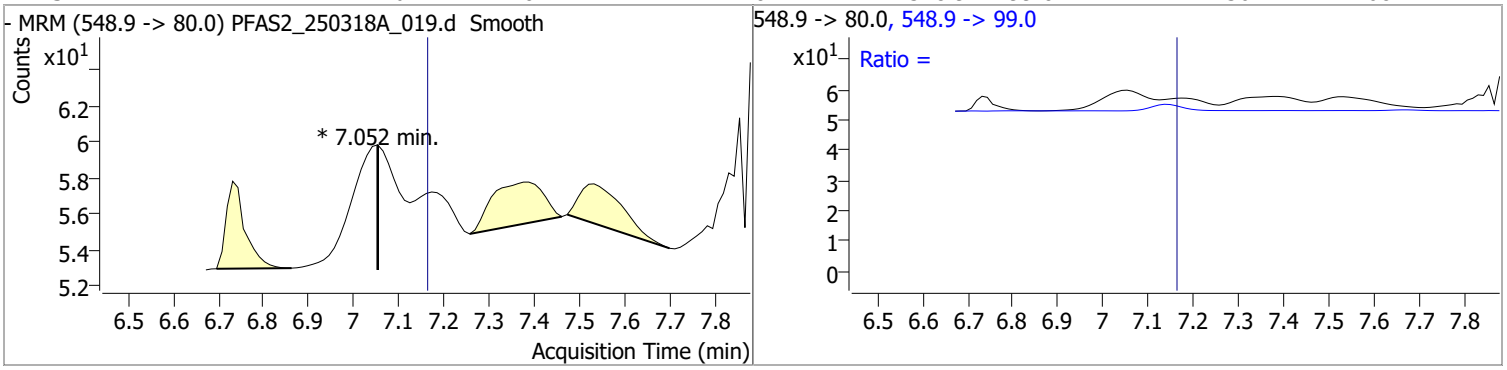
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



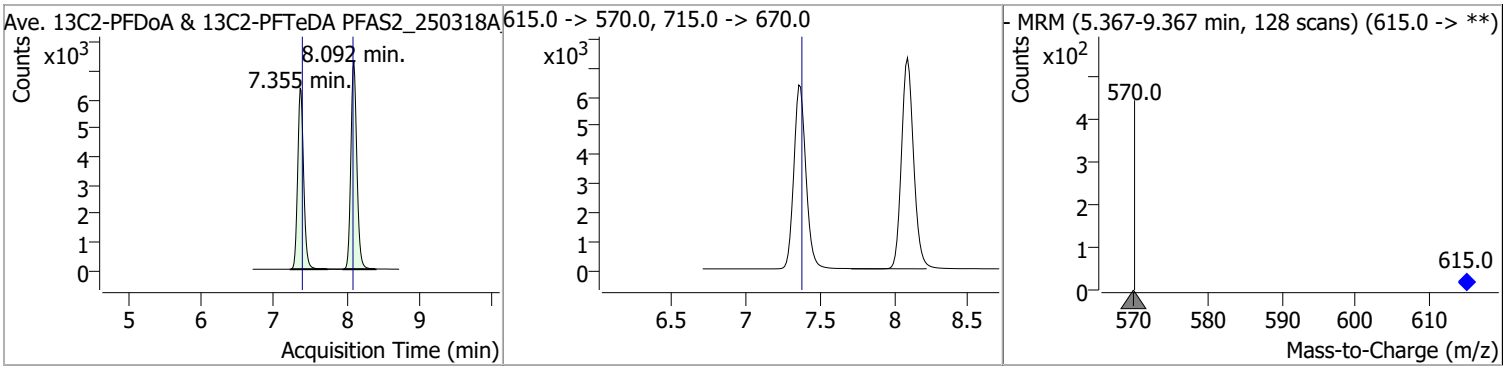
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



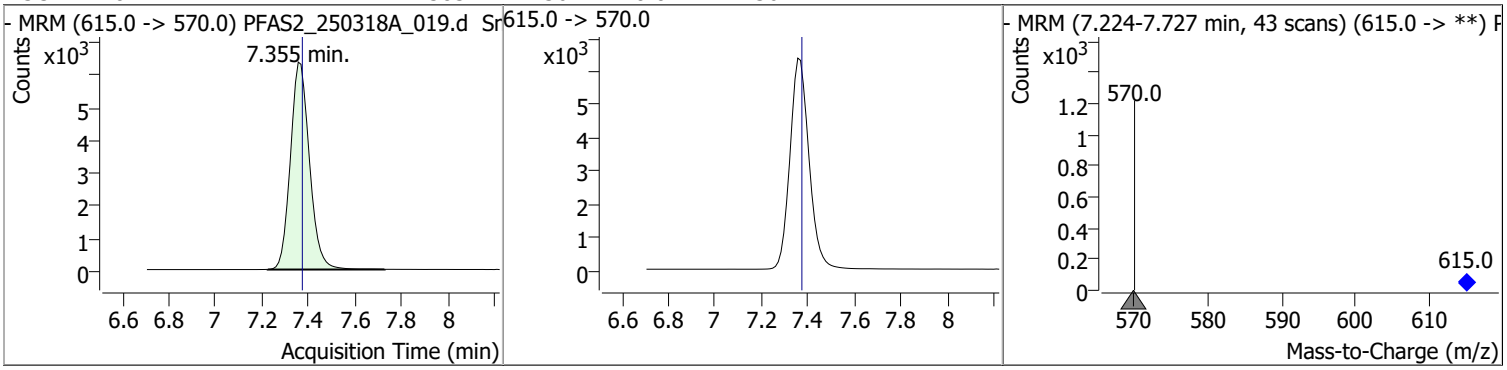
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



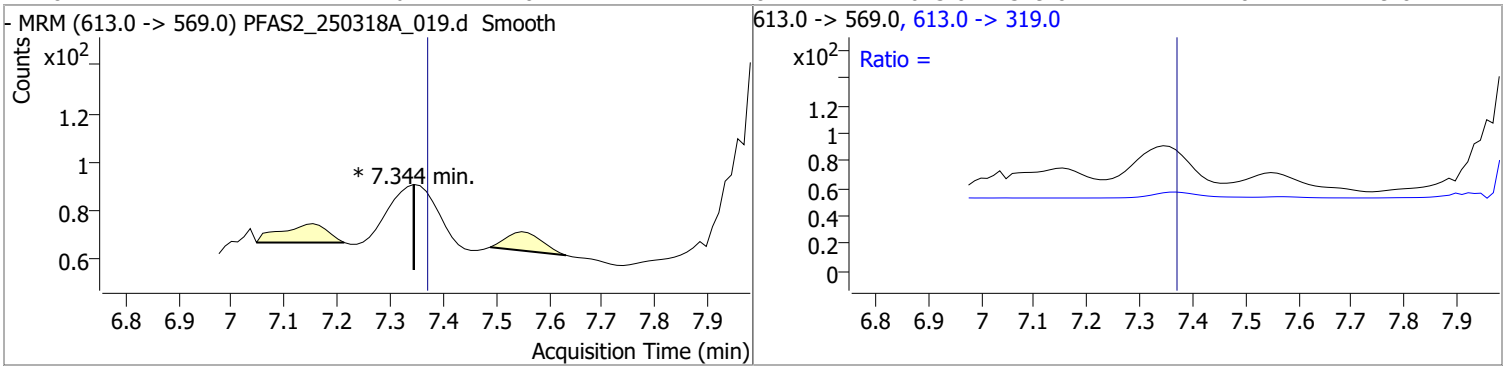
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1279	7.72	0.36	38934				



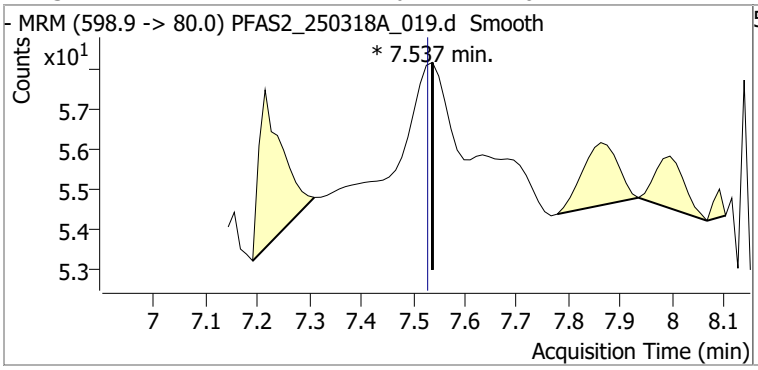
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1583	7.36	-0.01	36141				

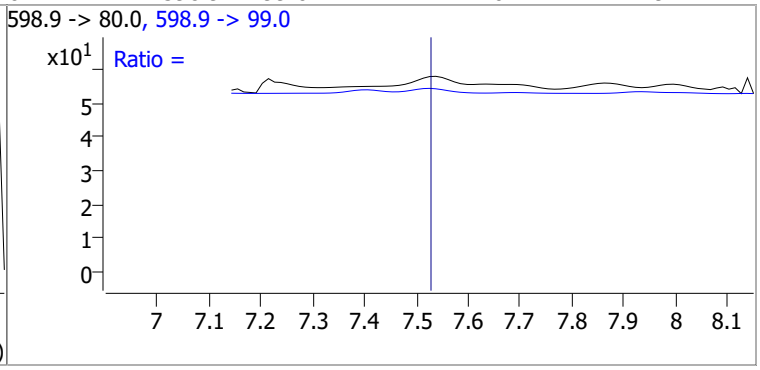


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

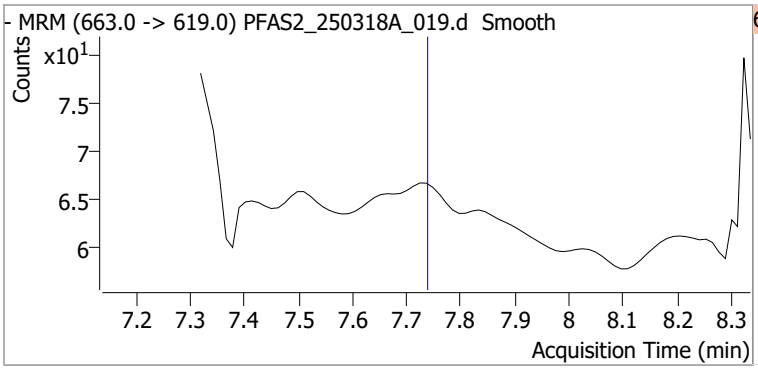


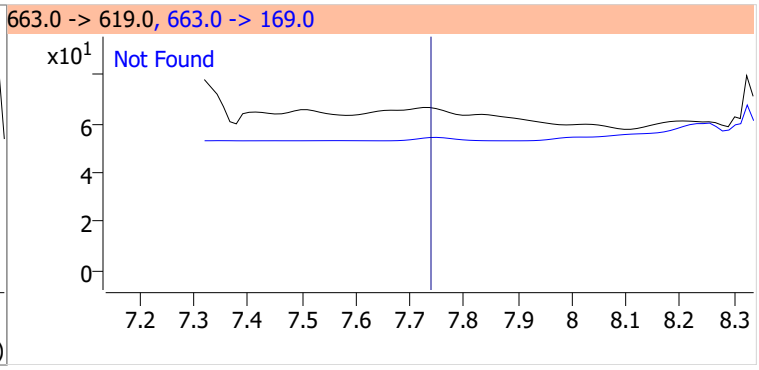
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



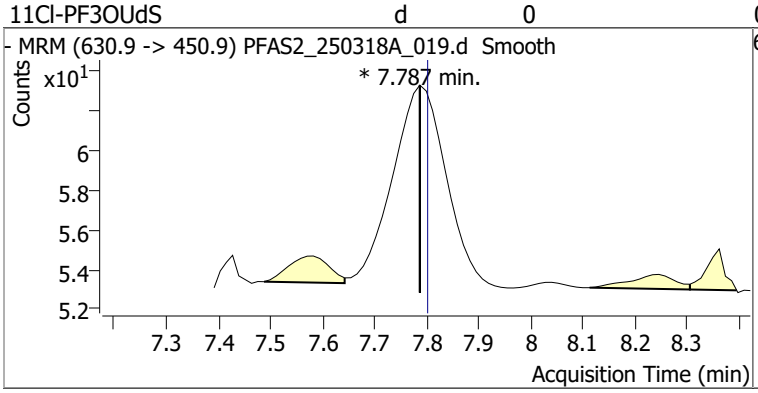


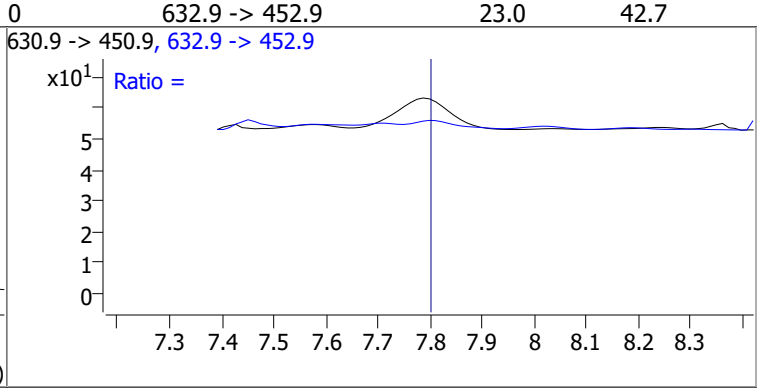
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.74	663.0 -> 169.0	10.3



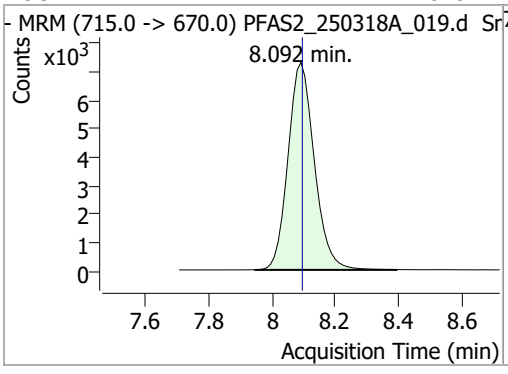


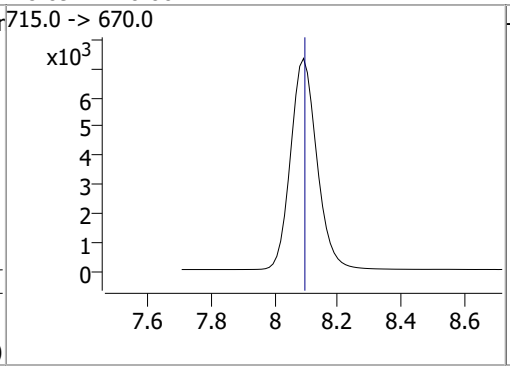
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

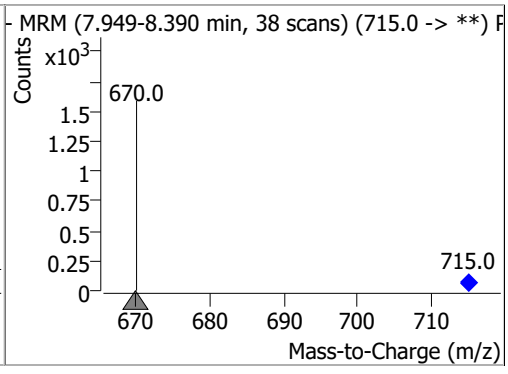




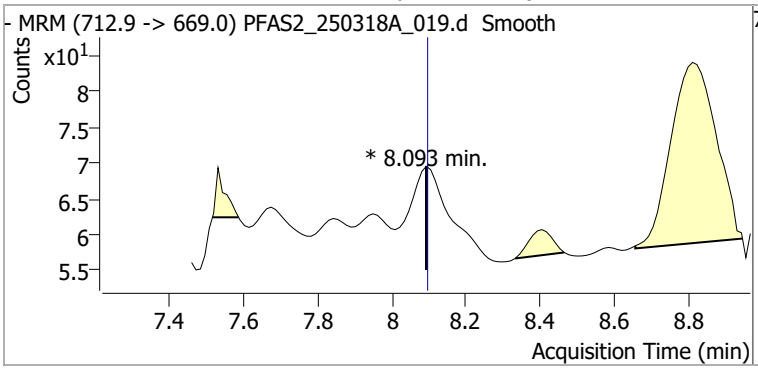
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1028	8.09	0.00	41727				

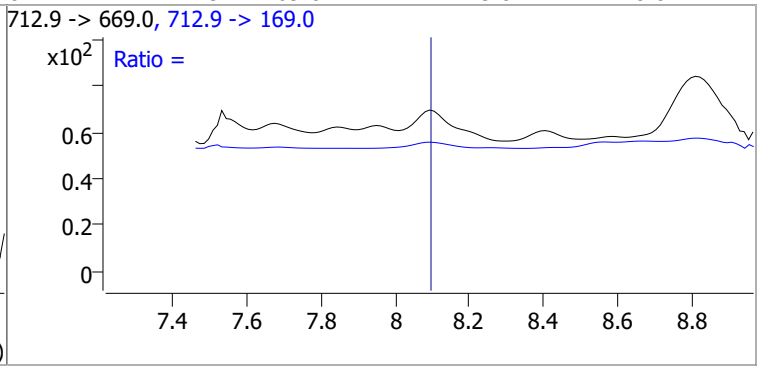




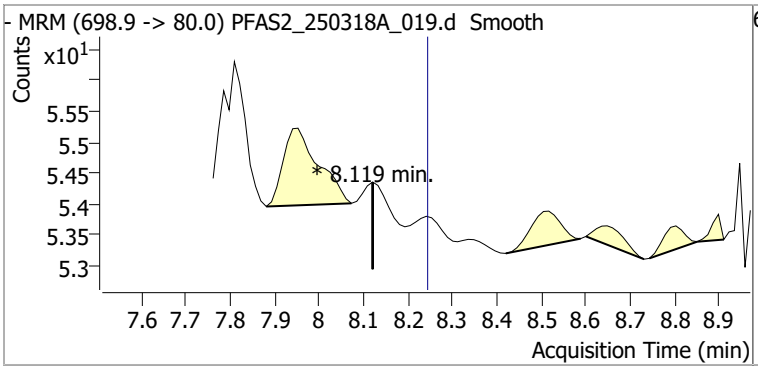


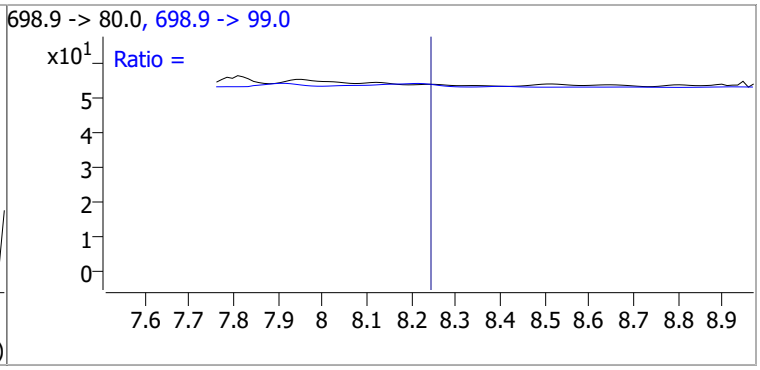
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



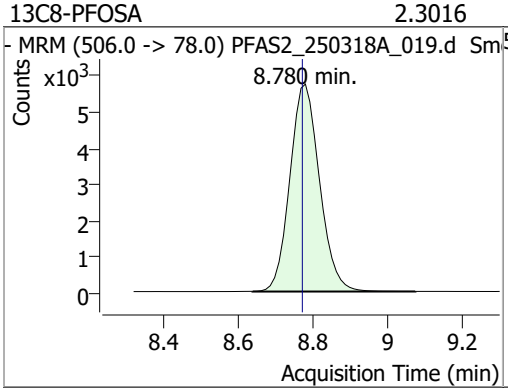


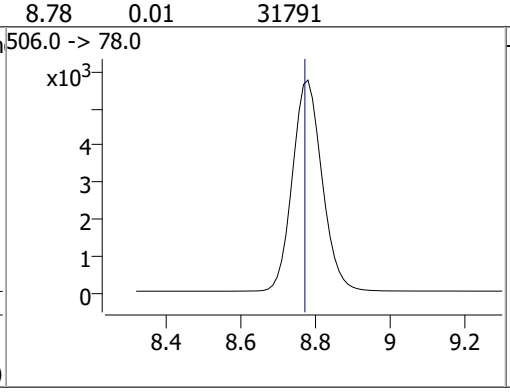
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

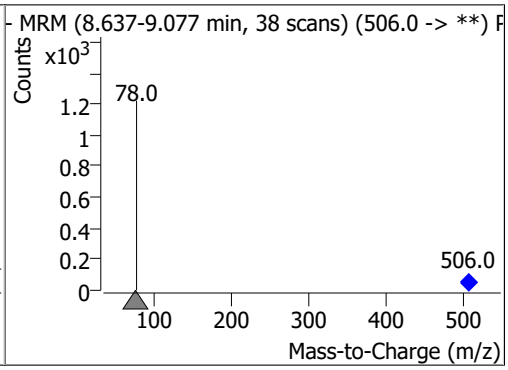




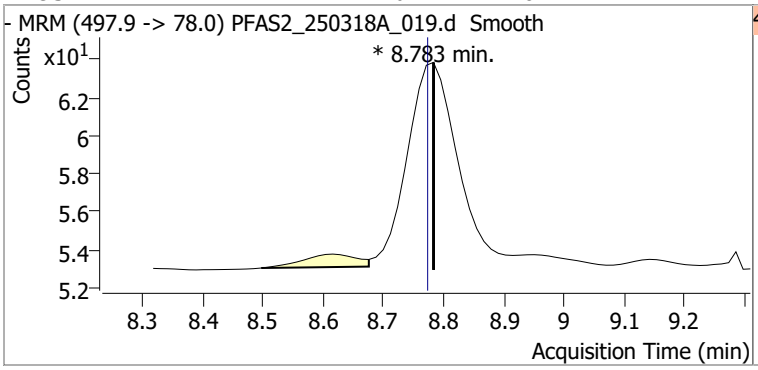
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3016	8.78	0.01	31791				

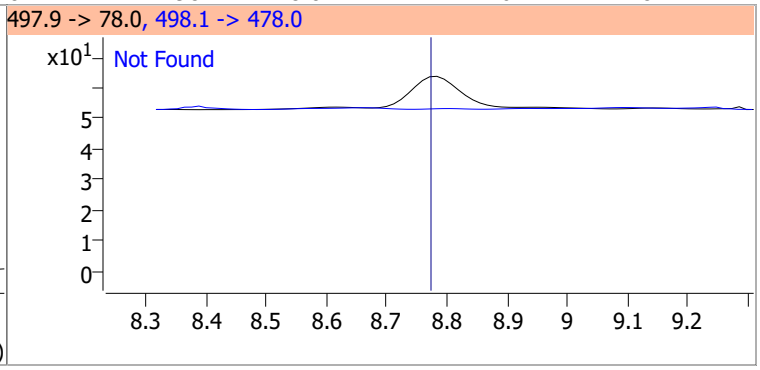




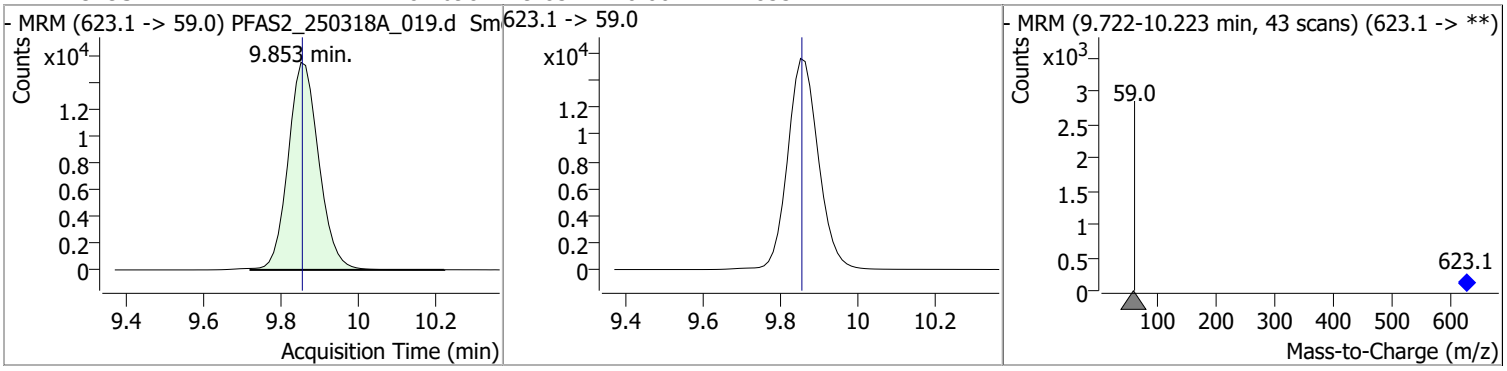


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

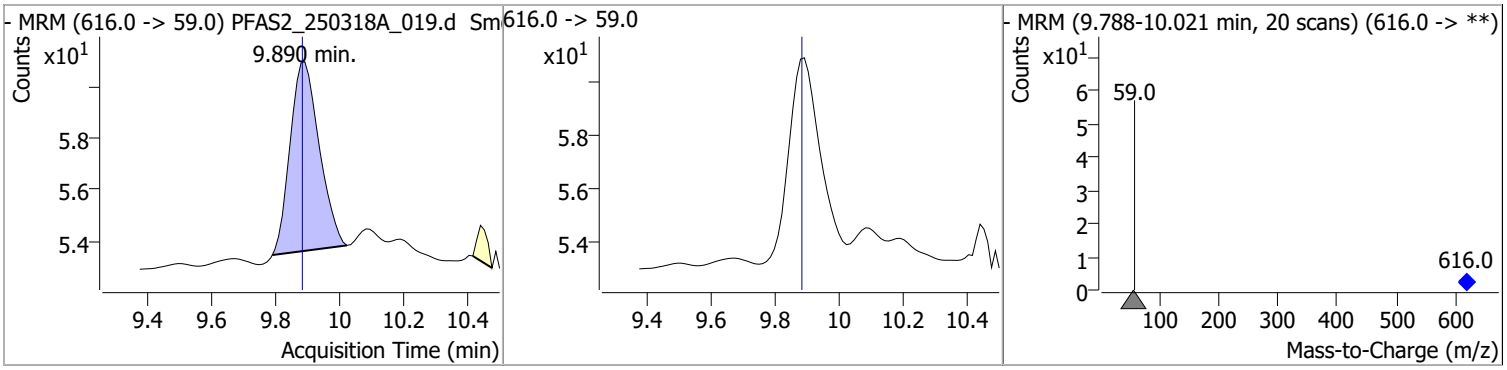




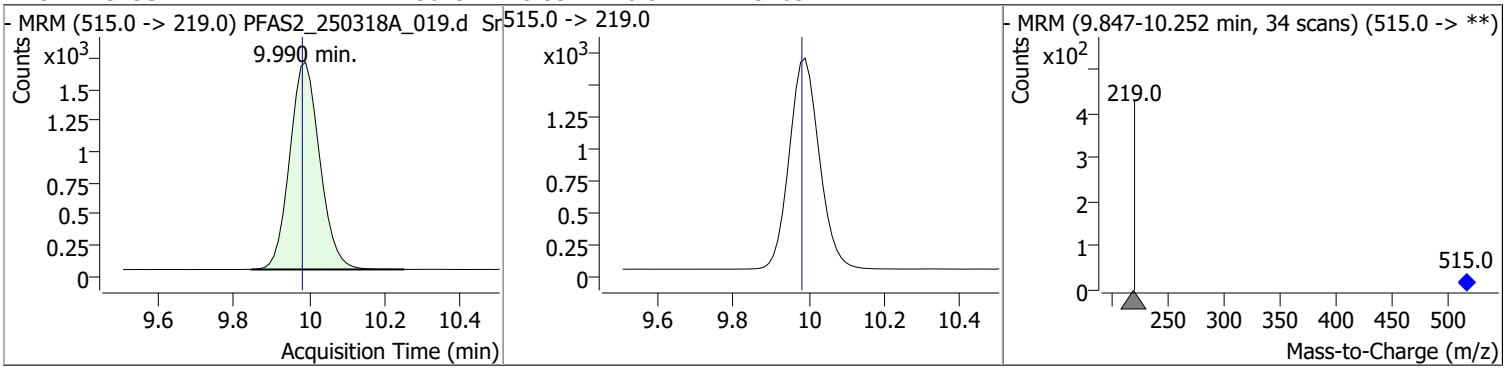
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	18.2698	9.85	0.00	85542				



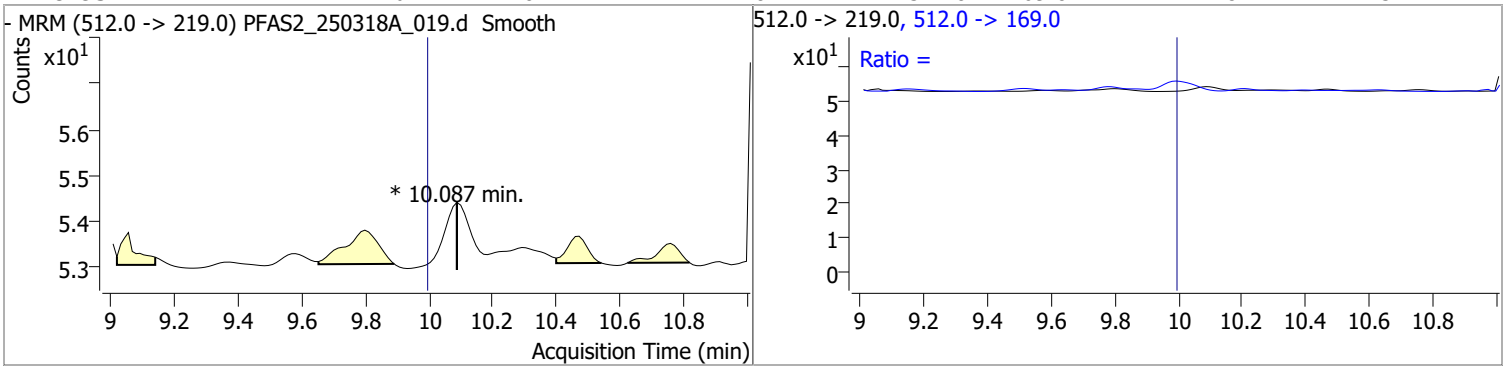
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	46				



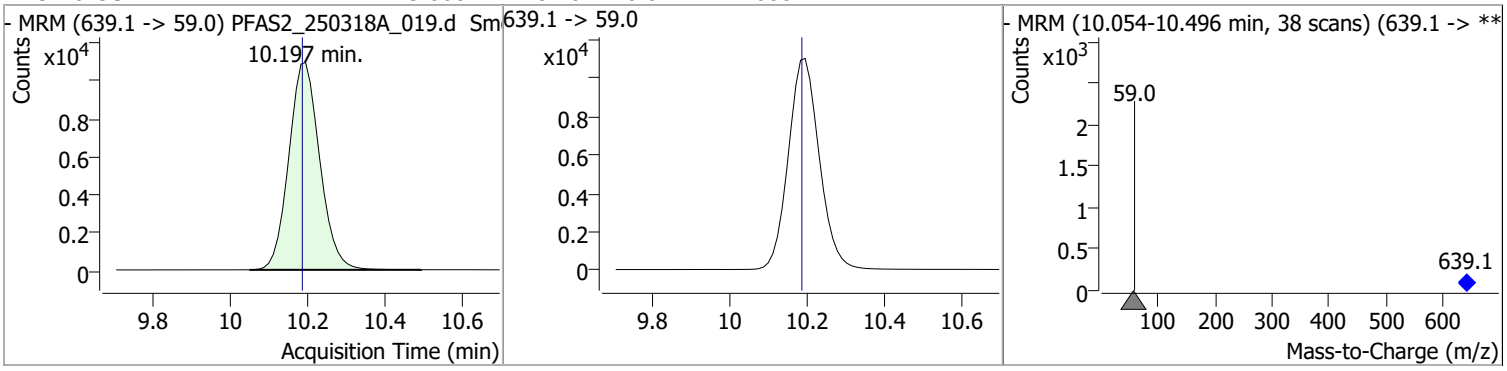
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3645	9.99	0.01	9165				



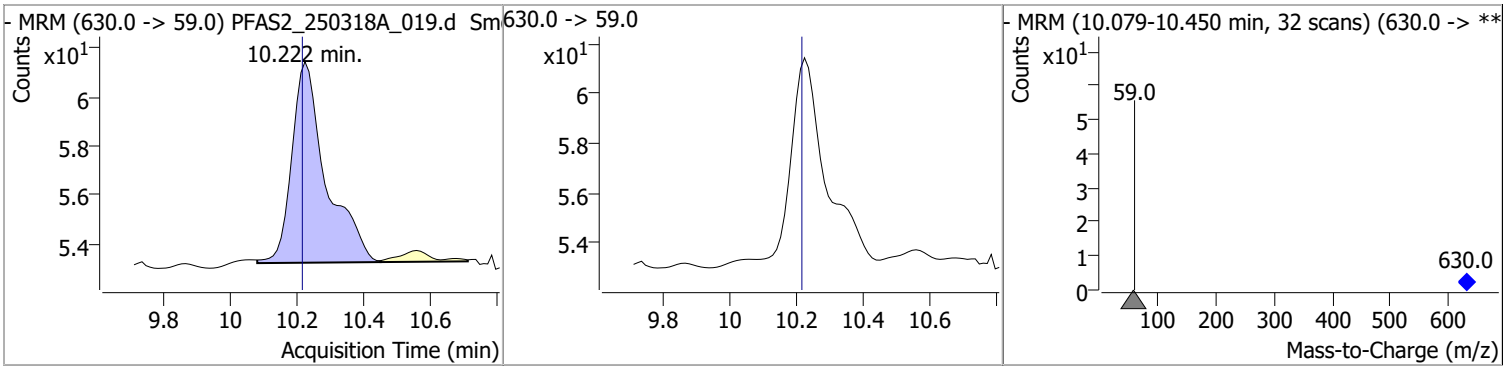
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



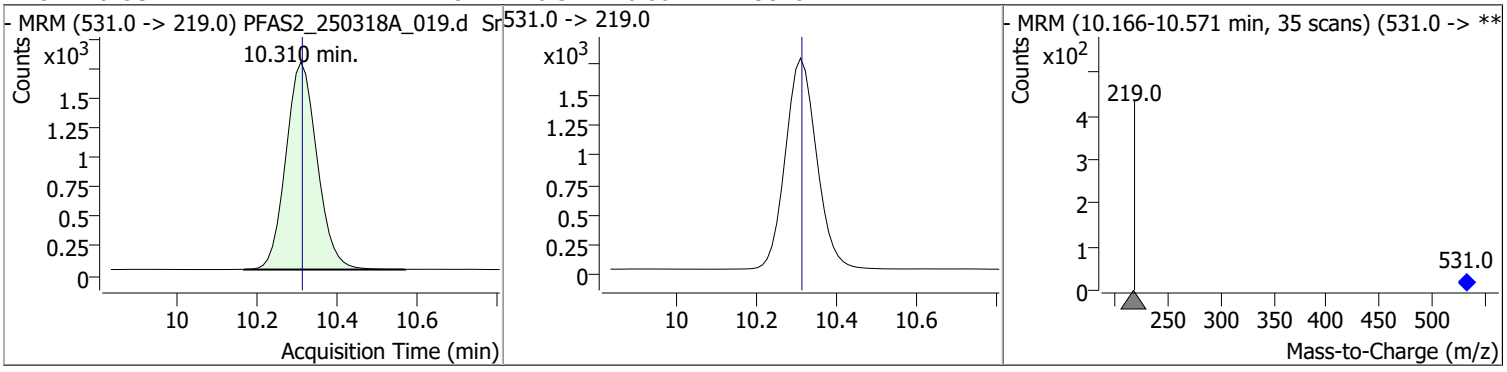
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.6662	10.20	0.01	60812				



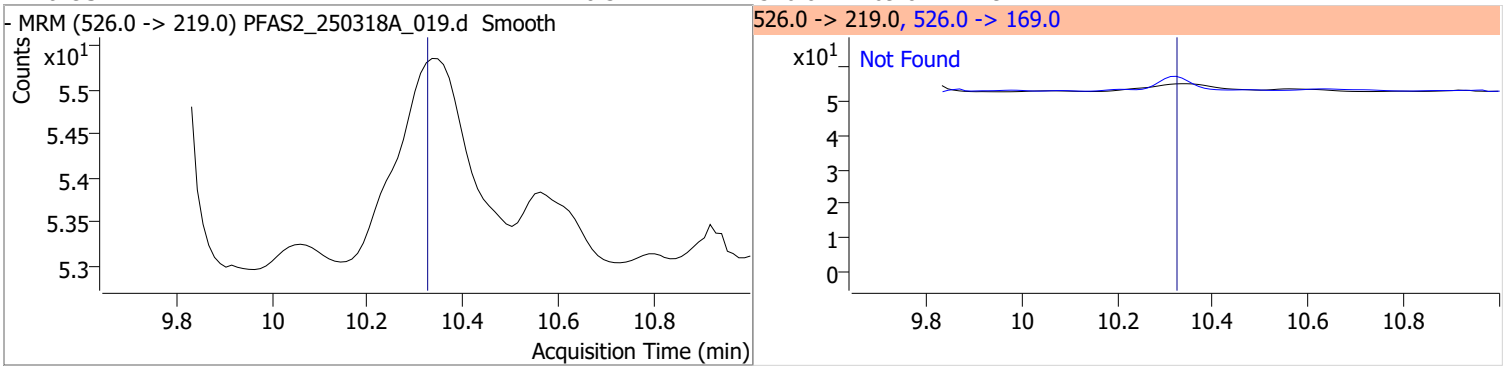
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0364	10.22	0.01	59				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2779	10.31	0.00	9548				



Compound	Conc.	Exp RT	QIon	Exp Ratio
N-EtFOSA	N.D.	10.32	526.0 -> 169.0	112.9



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_019.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:39:00 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

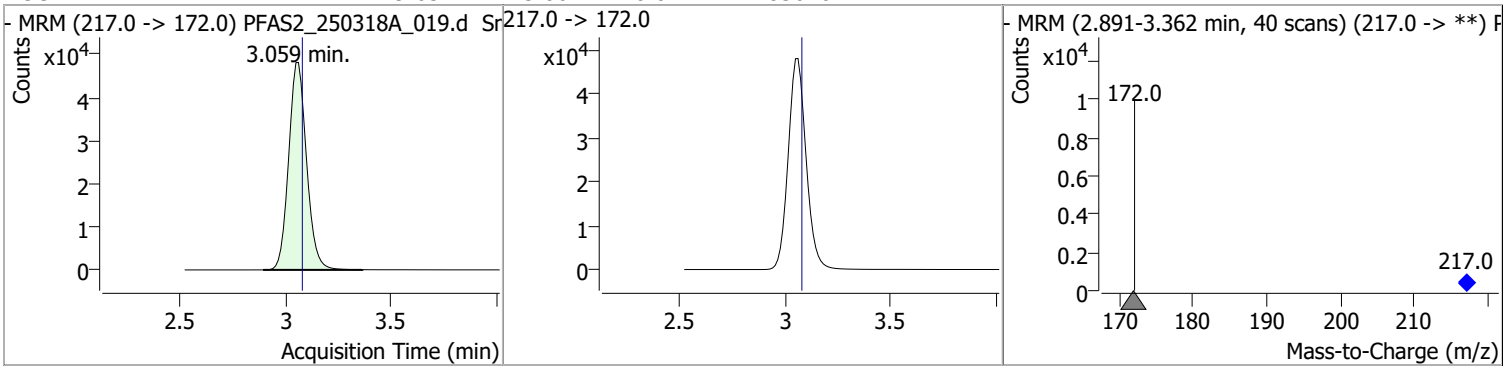
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	129305	5.0000	µg/L		-5.508
13C2-PFHxA	4.878	315.0 -> 270.0	144170	2.5000	µg/L		-6.032
18O2-PFHxS	5.955	403.0 -> 84.0	27430	2.5000	µg/L		-7.426
13C4-PFOA	5.823	417.0 -> 172.0	14601	2.5000	µg/L		-5.484
13C5-PFNA	6.214	468.0 -> 423.0	70630	1.2500	µg/L		-0.762
13C2-PFDA	6.603	515.0 -> 470.0	65306	1.2500	µg/L		-2.348
13C4-PFOS	6.771	503.0 -> 80.0	23224	2.5000	µg/L		-6.765
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	283620	10.0000	µg/L		-8.754
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.52%			
13C5-PFPeA	4.222	268.0 -> 223.0	184319	5.0000	µg/L		-10.922
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.80%			
13C5-PFPeA	4.222	268.0 -> 223.0	184319	5.0000	µg/L		-10.922
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.80%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25124	5.0000	µg/L	#	-0.557
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.86%			
13C5-PFHxA	4.877	318.0 -> 273.0	144351	2.5000	µg/L		-14.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.96%			
13C5-PFHxA	4.877	318.0 -> 273.0	144351	2.5000	µg/L		-14.507
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.96%			
13C3-PFBS	4.917	302.0 -> 80.0	52098	2.5000	µg/L		-14.205
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.78%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	156323	10.0000	µg/L		-10.555
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.18%			
13C4-PFHpA	5.385	367.0 -> 322.0	169822	2.5000	µg/L		-10.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.71%			
13C3-PFHxS	5.956	402.0 -> 80.0	31157	2.5000	µg/L		-10.851
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.33%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14202	5.0000	µg/L	#	-3.838
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.99%			
13C8-PFOA	5.823	421.0 -> 376.0	160953	2.5000	µg/L		-6.823
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.60%			
13C3-PFHxS	5.956	402.0 -> 80.0	31157	2.5000	µg/L		-10.851
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.33%			
13C9-PFNA	6.213	472.0 -> 427.0	68728	1.2500	µg/L		-2.464
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.24%			
13C8-PFOS	6.771	507.0 -> 80.0	22066	2.5000	µg/L		-12.726
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.64%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	10057	5.0000	µg/L	#	-15.097
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.60%			
13C6-PFDA	6.603	519.0 -> 474.0	66849	1.2500	µg/L		-1.635
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.63%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	52003	5.0000	µg/L		-6.835
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%			
13C8-PFOS	6.771	507.0 -> 80.0	22066	2.5000	µg/L		-12.726

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.64%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	40426	5.0000	µg/L		-4.133
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.77%			
13C7-PFUnDA	6.990	570.0 -> 525.0	49299	1.2500	µg/L		-8.029
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.17%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	38934	1.2500	µg/L		-11.745
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.23%			
13C2-PFDoDA	7.355	615.0 -> 570.0	36141	1.2500	µg/L		-9.524
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.66%			
13C2-PFTDA	8.092	715.0 -> 670.0	41727	1.2500	µg/L		-13.582
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.23%			
13C8-PFOSA	8.780	506.0 -> 78.0	31791	2.5000	µg/L		-13.989
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
2H7-MeFOSE	9.853	623.1 -> 59.0	85542	25.0000	µg/L		-31.917
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 73.08%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9165	2.5000	µg/L		-11.609
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.58%			
2H9-EtFOSE	10.197	639.1 -> 59.0	60812	25.0000	µg/L		-4.247
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 102.66%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9548	2.5000	µg/L		-15.057
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.12%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	254	0.0913	µg/L		100
PFMPA	3.602	229.0 -> 85.0	52	0.0580	µg/L		100
3-3 FTCA	4.023	241.0 -> 177.0	8	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	1154	0.0584	µg/L	#	100
PFMBA	4.453	279.0 -> 85.0	77	0.0367	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	98	0.0064	µg/L		100
NFDHA	4.823	295.0 -> 201.0	15	0.0142	µg/L	#	37
PFHxA	4.880	313.0 -> 269.0	368	0.0071	µg/L		89
PFBS	4.918	298.9 -> 80.0	95	0.0044	µg/L	#	67
HFPO-DA	5.075	285.0 -> 169.0	148	0.0107	µg/L	#	54
PFEESA	5.189	314.9 -> 135.0	212	0.0544	µg/L	#	72
PFHpA	5.374	363.0 -> 319.0	782	0.0332	µg/L	#	76
5-3 FTCA	5.435	341.0 -> 237.0	161	0.2171	µg/L	#	69
PFPeS	5.482	348.9 -> 80.0	50	0.0030	µg/L	#	78
DONA	5.551	377.0 -> 251.0	227	0.0699	µg/L	#	54
6-2 FTSA	5.642	427.0 -> 407.0	107	0.1207	µg/L		94
PFOA	5.824	413.0 -> 369.0	615	0.0460	µg/L		93
PFHxS	5.945	398.9 -> 80.0	163	0.0134	µg/L		93
PFNA	6.214	463.0 -> 419.0	289	0.0122	µg/L		91
PFHpS	6.394	448.9 -> 80.0	43	0.0047	µg/L	#	58
8-2 FTSA	6.448	527.0 -> 507.0	59	0.0853	µg/L	#	76
7-3 FTCA	6.585	441.0 -> 317.0	151	0.2942	µg/L		90
PFDA	6.604	513.0 -> 469.0	278	0.0025	µg/L		68
N-MeFOSAA	6.624	570.0 -> 419.0	47	0.0132	µg/L	#	12
PFOS	6.772	498.9 -> 80.0	347	0.0702	µg/L	#	73
N-EtFOSAA	6.941	584.0 -> 419.0	52	0.0179	µg/L	#	1
PFUnDA	6.920	563.0 -> 519.0	137	0.0170	µg/L	#	85
9Cl-PF3ONS	7.053	530.9 -> 350.9	84	0.0667	µg/L	#	5
PFNS	7.052	548.9 -> 80.0	26	0.0035	µg/L	#	75
PFDoDA	7.344	613.0 -> 569.0	130	0.0049	µg/L	#	84
PFDS	7.537	598.9 -> 80.0	11	0.0020	µg/L		83
PFTrDA	0.000		0	N.D.			

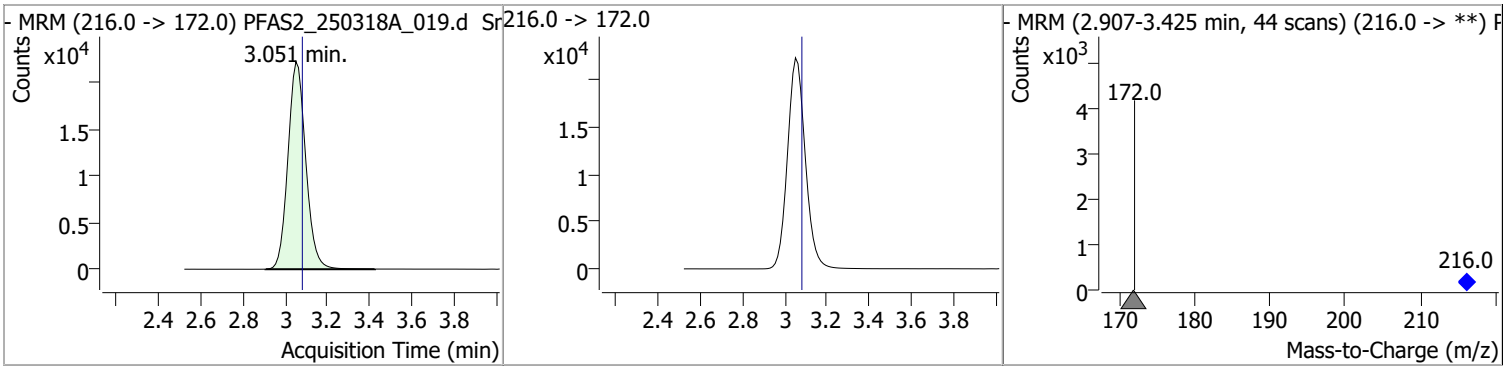
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	71	0.0034	µg/L		87
PFTDA	8.093	712.9 -> 669.0	49	0.0076	µg/L	#	20
PFDoS	8.119	698.9 -> 80.0	1	0.0003	µg/L	#	1
PFOSA	8.783	497.9 -> 78.0	65	0.0058	µg/L		89
MeFOSE	9.890	616.0 -> 59.0	46	0.0000	µg/L		100
N-MeFOSA	10.087	512.0 -> 219.0	10	0.0030	µg/L		77
EtFOSE	10.222	630.0 -> 59.0	59	0.0364	µg/L		100
N-EtFOSA	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

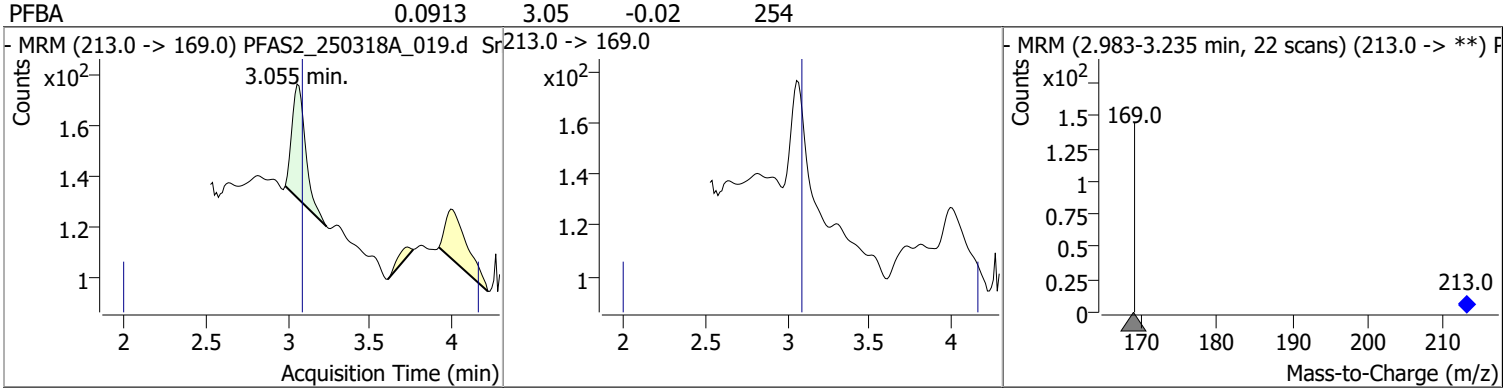
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6522	3.06	-0.01	283620				



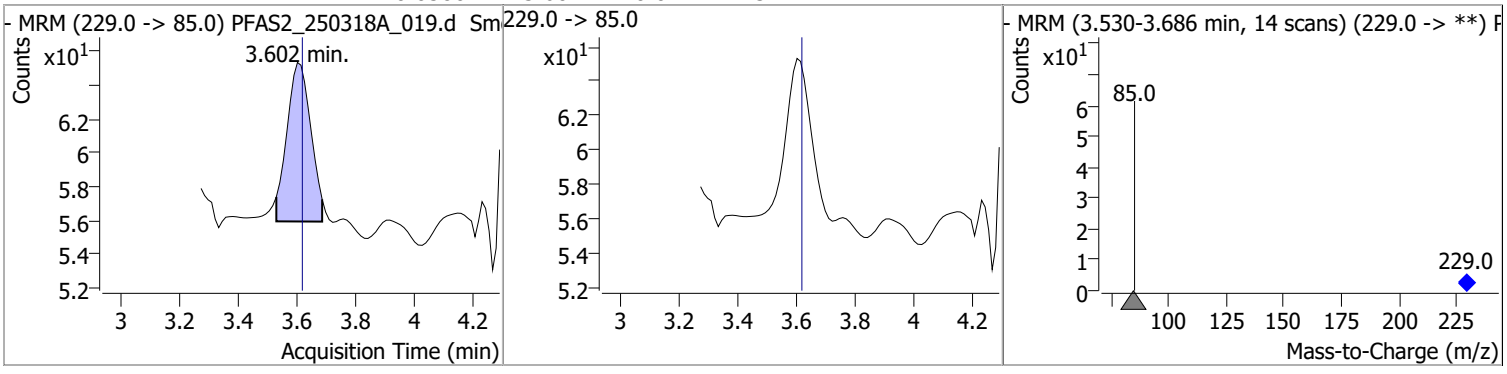
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	129305				



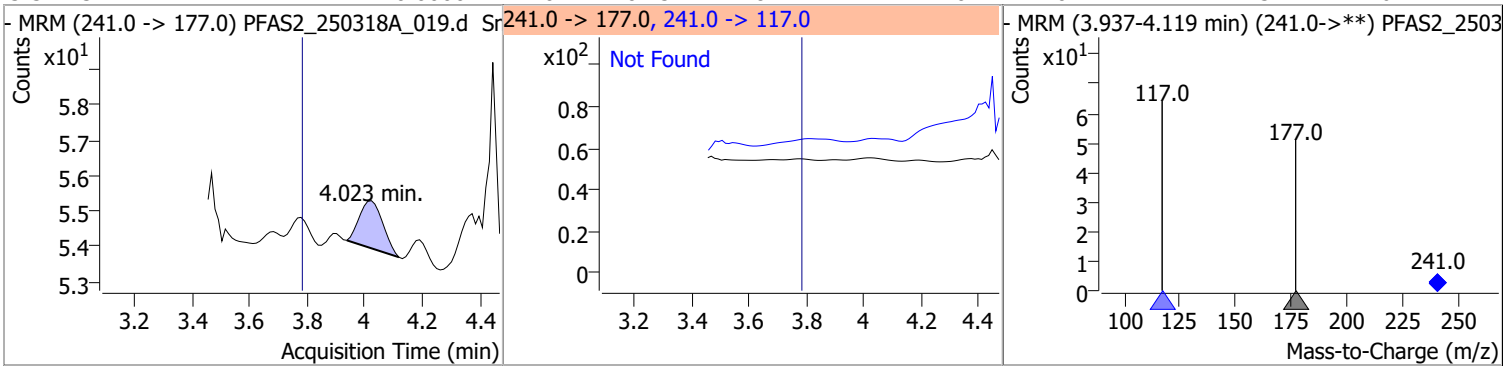
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0913	3.05	-0.02	254				



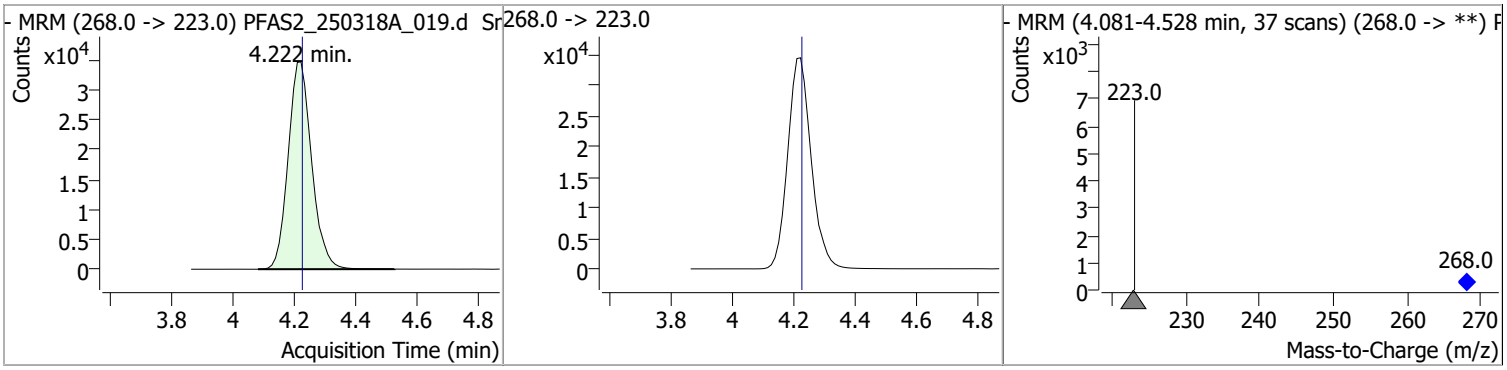
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0580	3.60	-0.01	52				



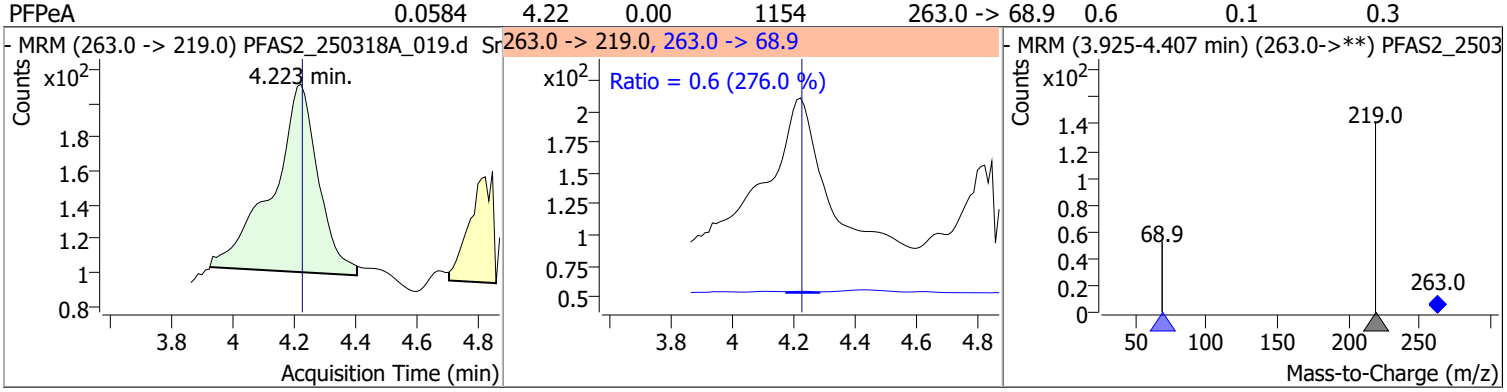
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	4.02	0.25	8	241.0 -> 117.0		41.3	76.7



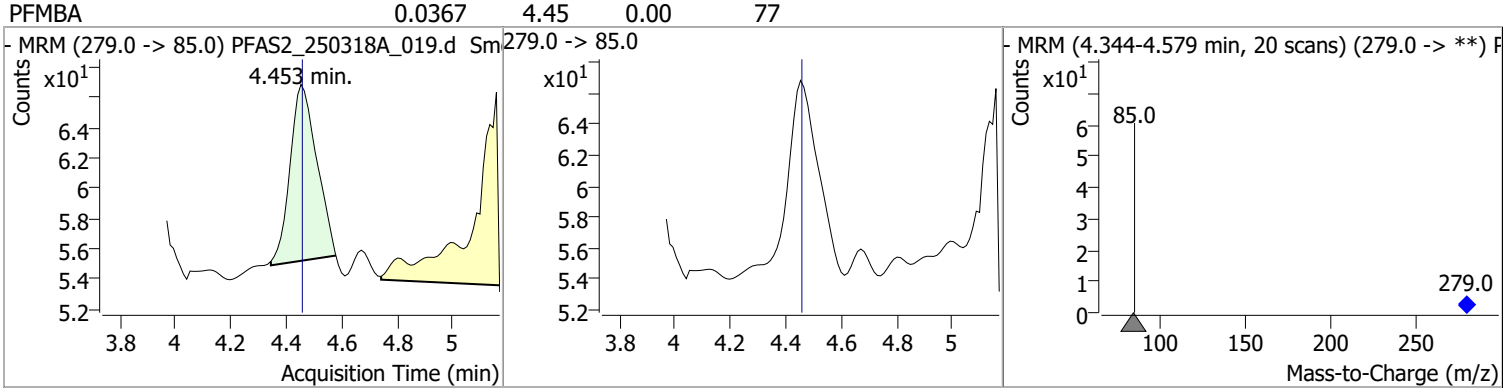
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7401	4.22	0.00	184319				



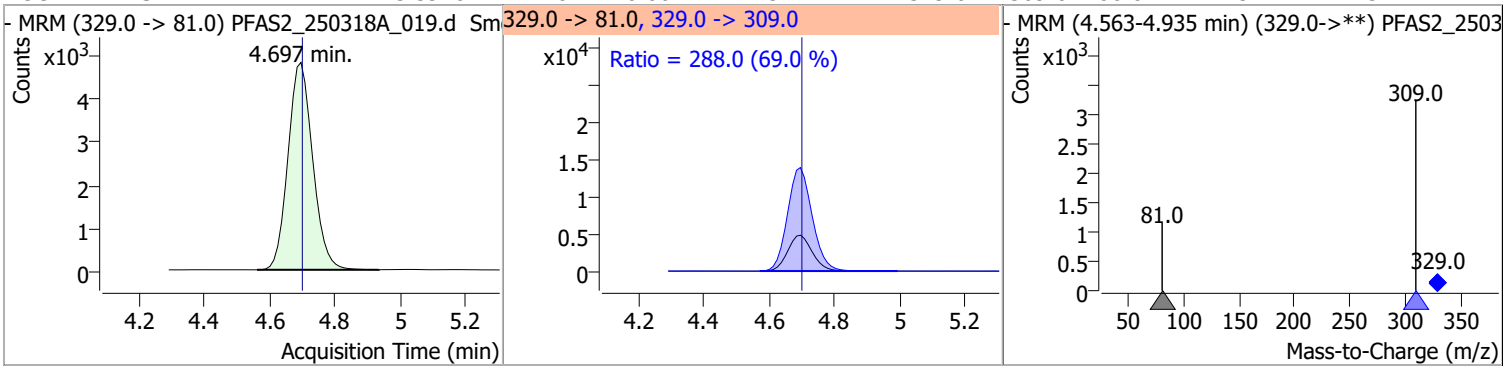
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0584	4.22	0.00	1154	263.0 -> 68.9	0.6	0.1	0.3



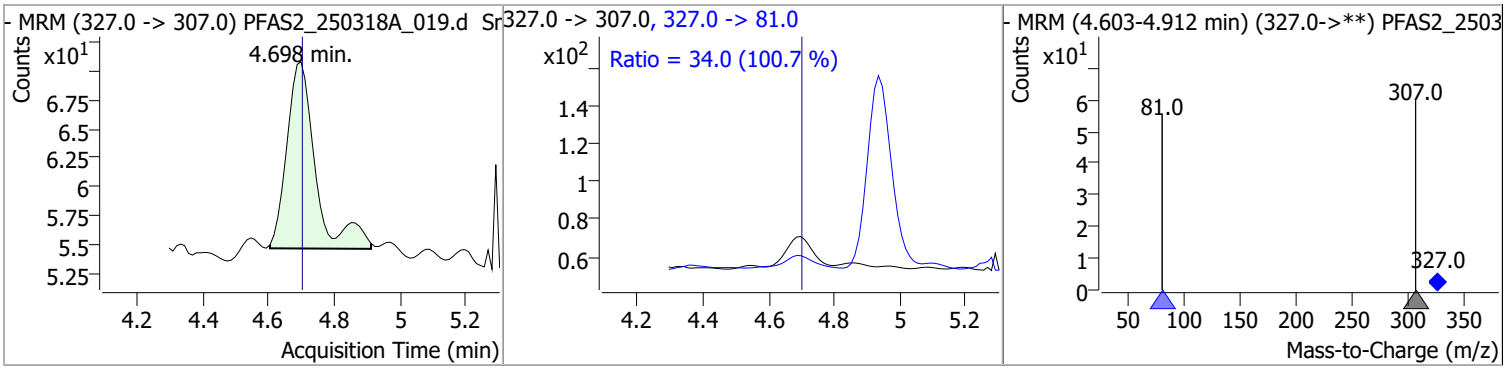
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0367	4.45	0.00	77				



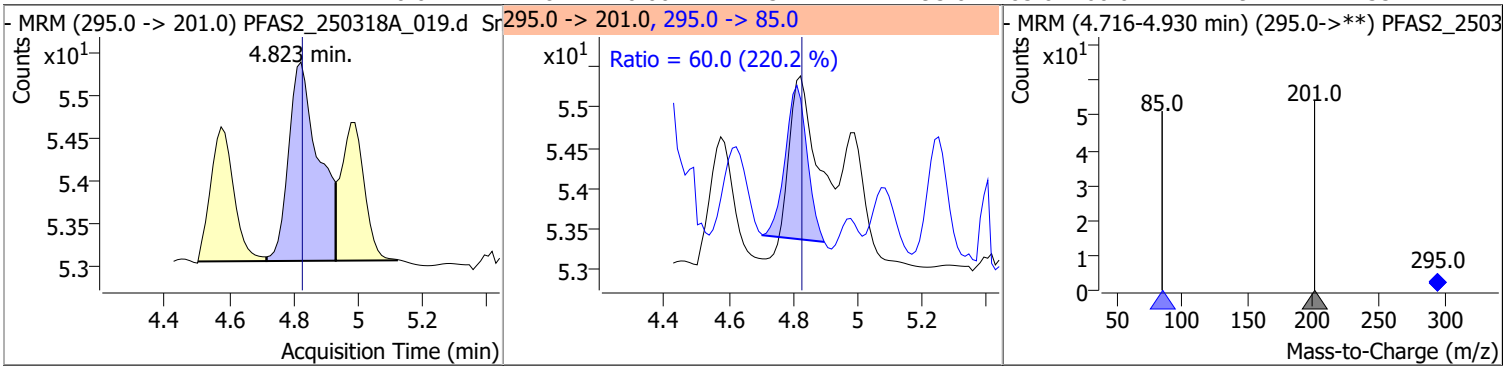
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3928	4.70	0.00	25124	329.0 -> 309.0	288.0	292.1	542.4



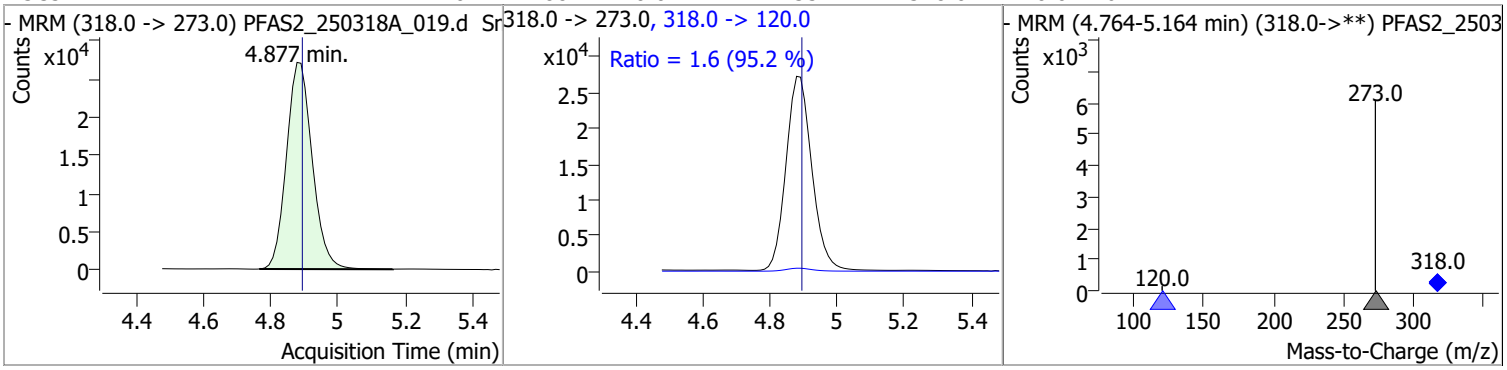
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0064	4.70	0.00	98	327.0 -> 81.0	34.0	23.6	43.9



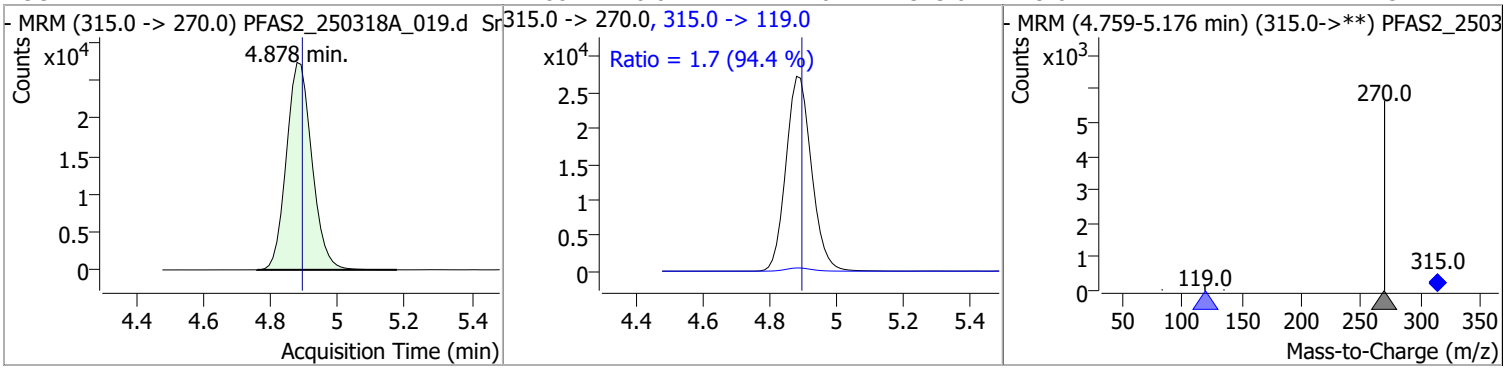
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0142	4.82	0.00	15	295.0 -> 85.0	60.0	19.1	35.4



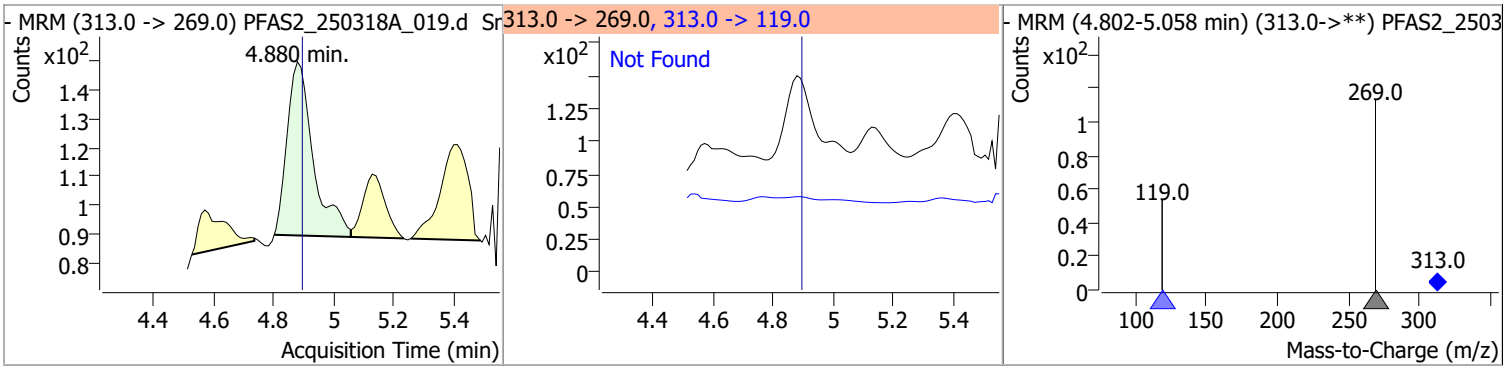
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2740	4.88	-0.01	144351	318.0 -> 120.0	1.6	1.1	2.1



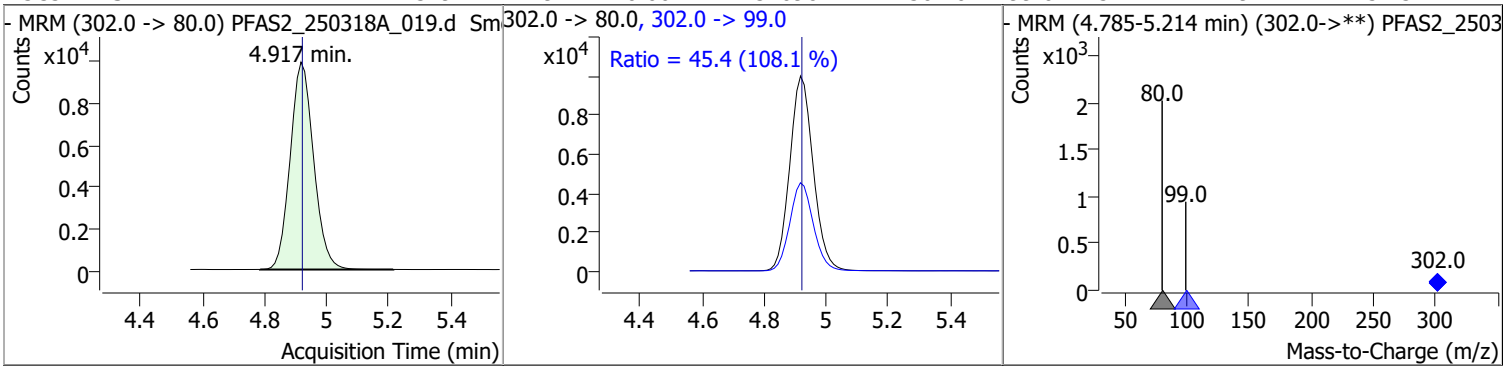
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	144170	315.0 -> 119.0	1.7	1.2	2.3



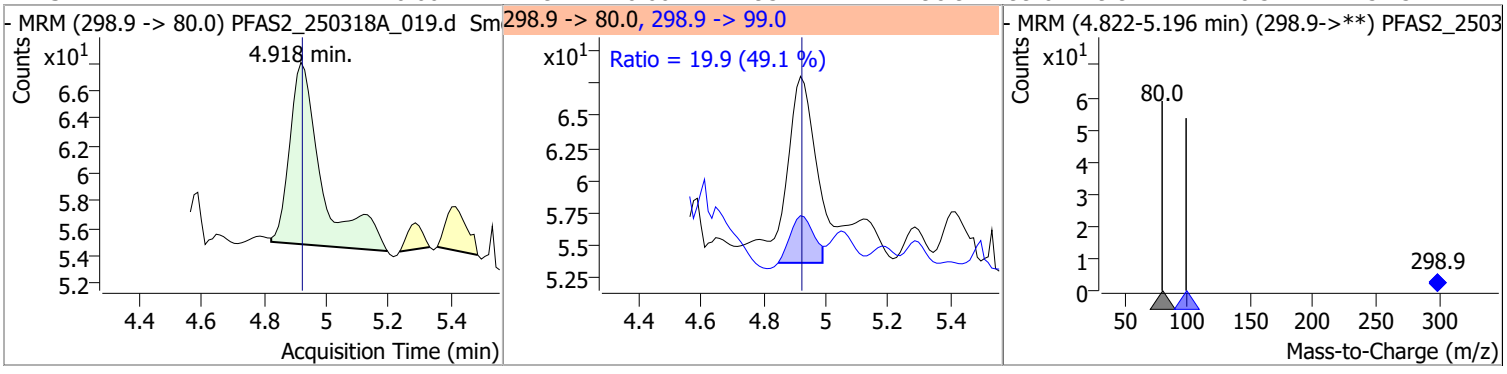
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0071	4.88	-0.01	368	313.0 -> 119.0		2.4	4.5



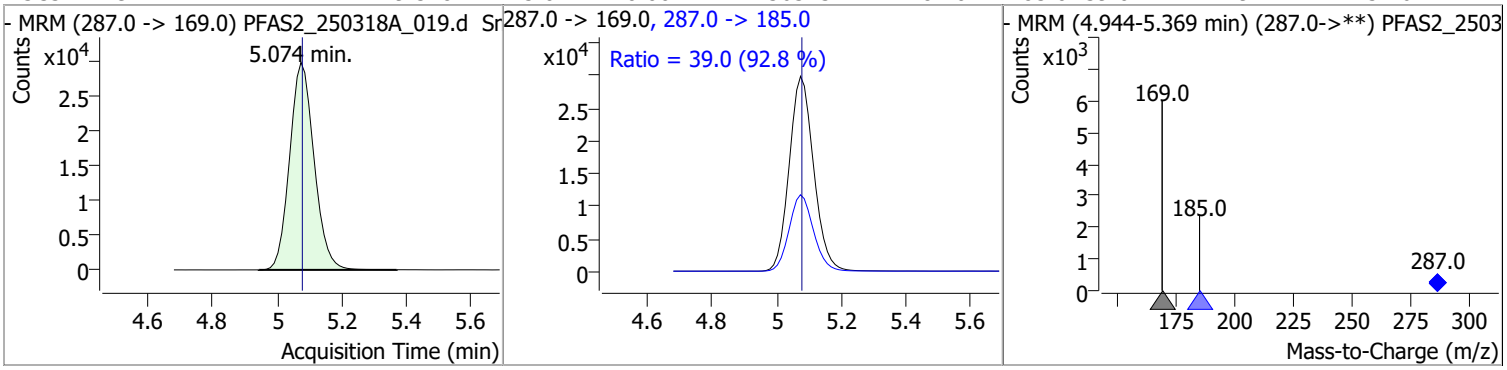
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3194	4.92	0.00	52098	302.0 -> 99.0	45.4	29.4	54.5



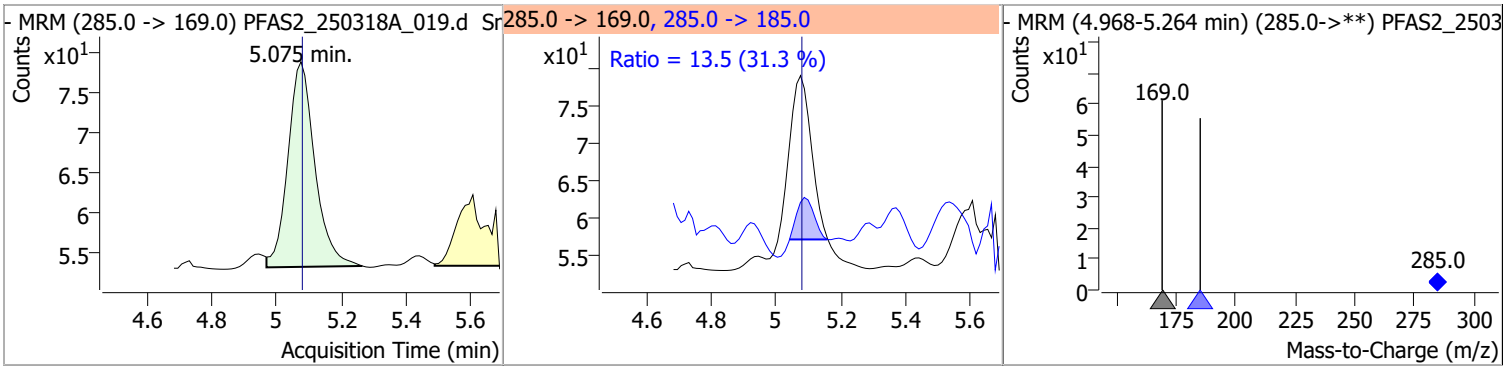
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0044	4.92	0.00	95	298.9 -> 99.0	19.9	28.3	52.5



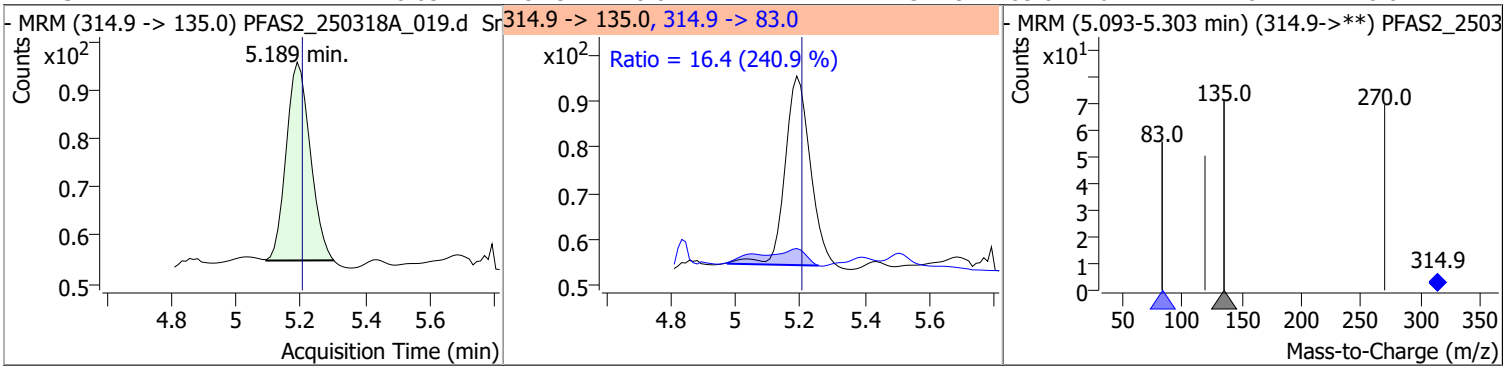
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5182	5.07	0.00	156323	287.0 -> 185.0	39.0	29.4	54.6



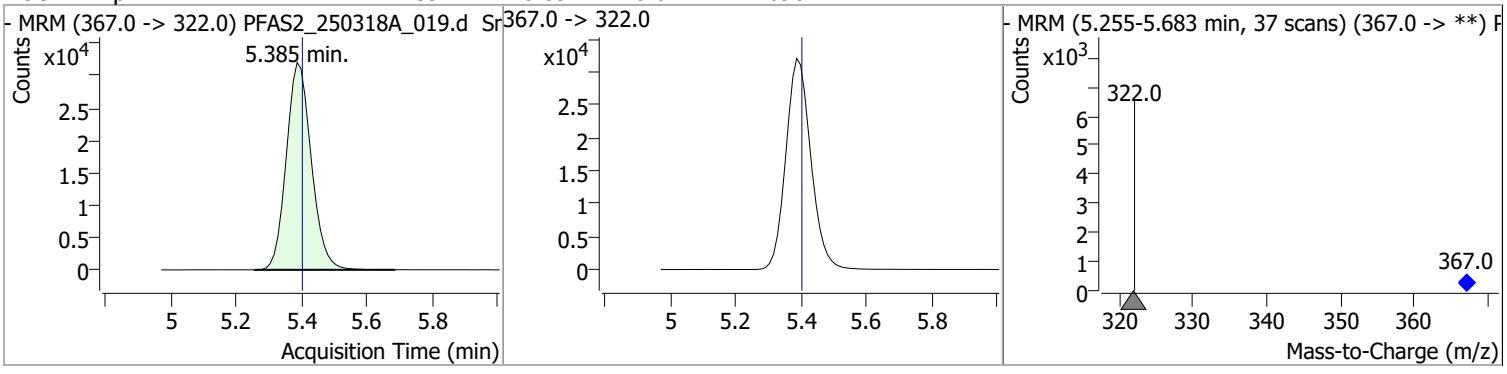
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0107	5.07	0.00	148	285.0 -> 185.0	13.5	30.1	56.0



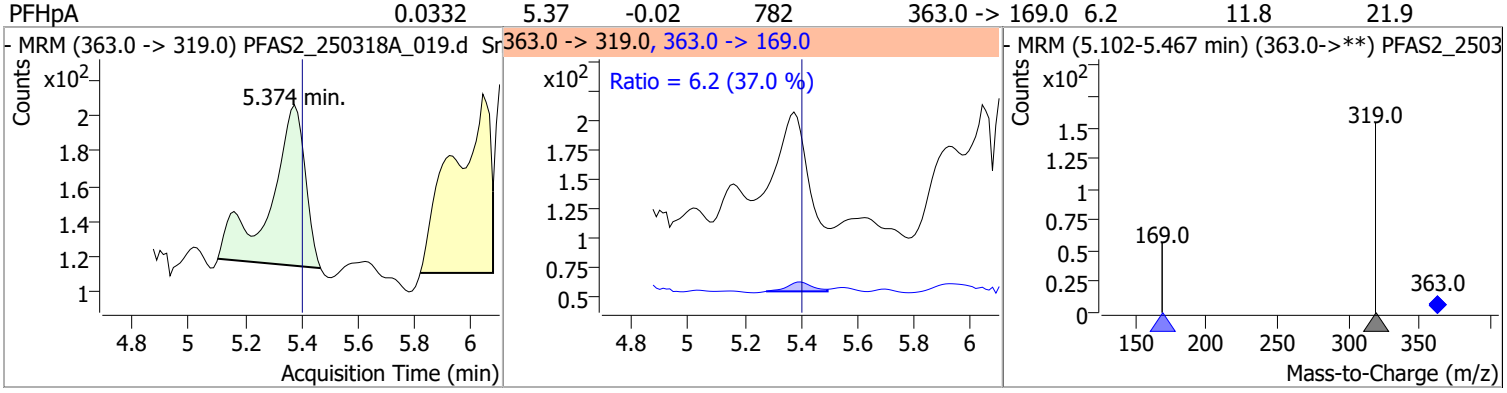
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0544	5.19	-0.01	212	314.9 -> 83.0	16.4	4.8	8.8



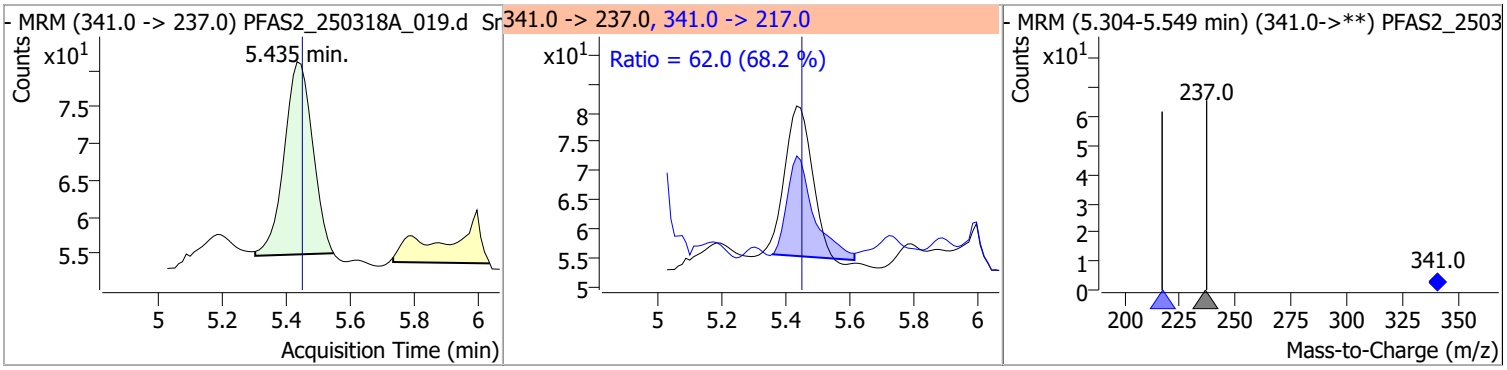
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3927	5.39	-0.01	169822				



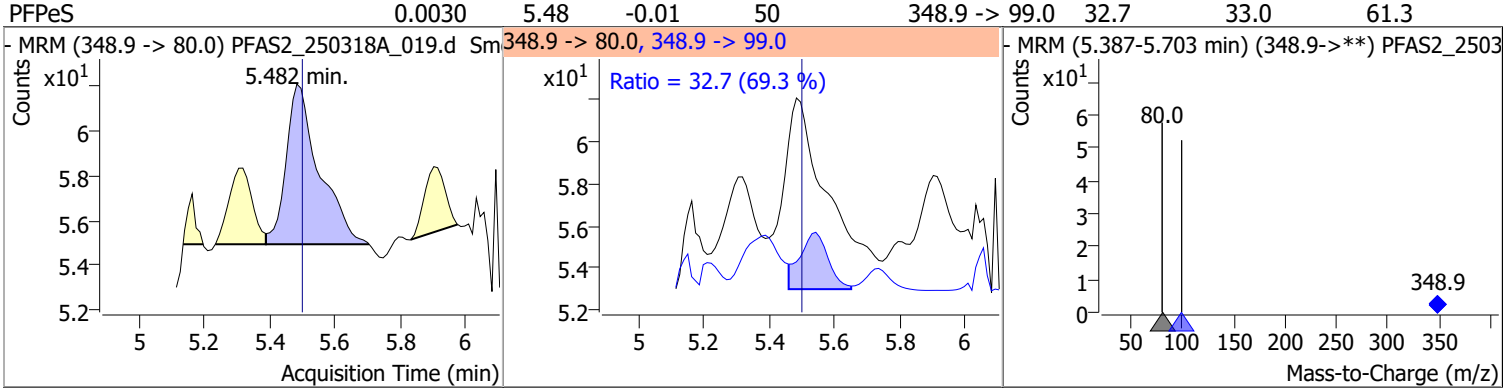
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0332	5.37	-0.02	782	363.0 -> 169.0	6.2	11.8	21.9



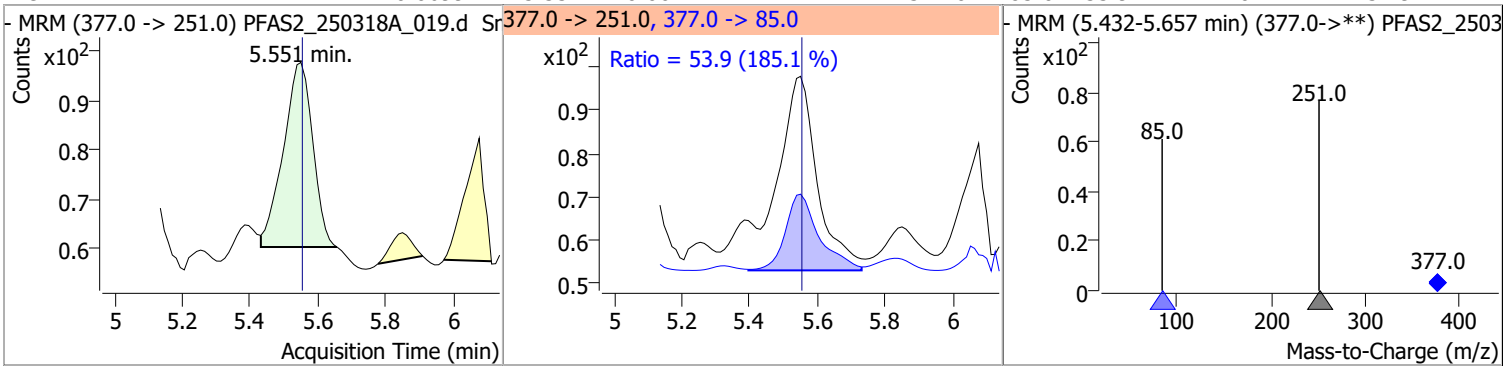
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2171	5.43	-0.01	161	341.0 -> 217.0	62.0	63.6	118.1



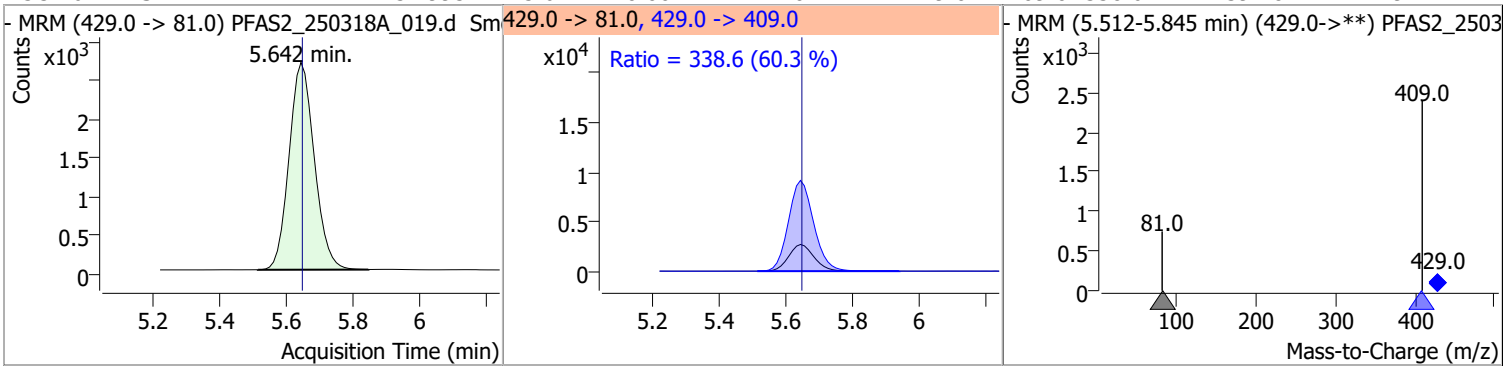
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0030	5.48	-0.01	50	348.9 -> 99.0	32.7	33.0	61.3



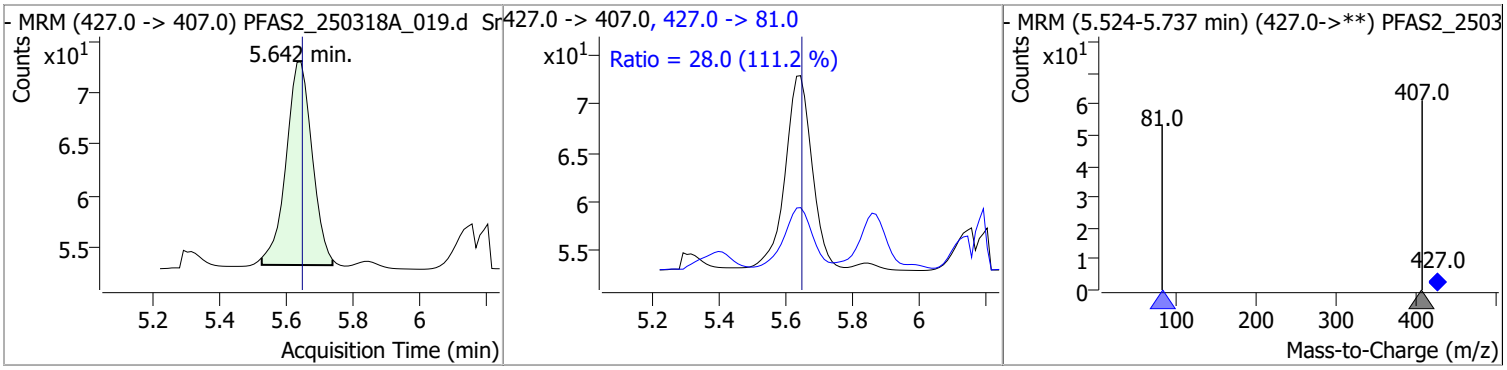
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0699	5.55	0.00	227	377.0 -> 85.0	53.9	20.4	37.9



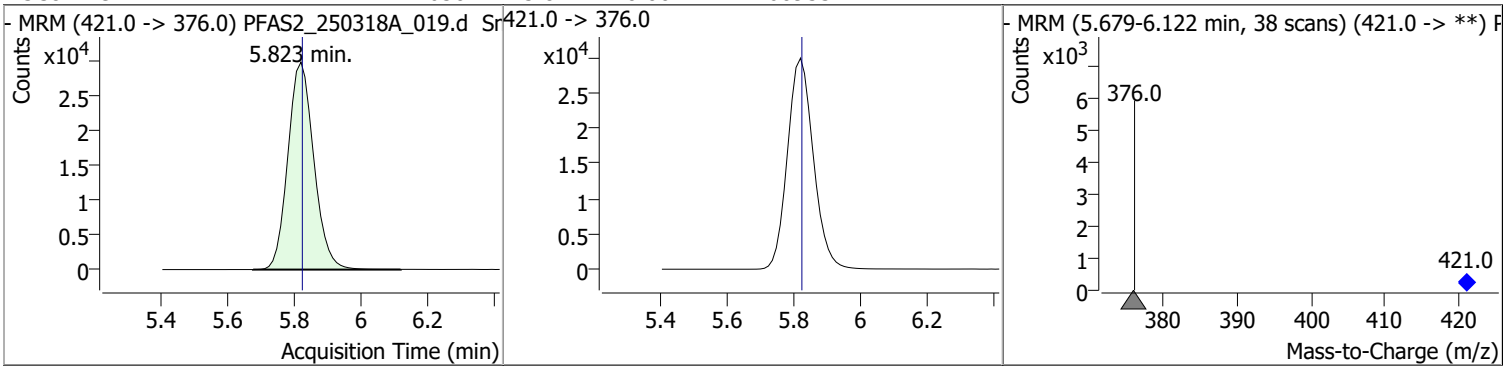
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.1995	5.64	0.00	14202	429.0 -> 409.0	338.6	392.8	729.4



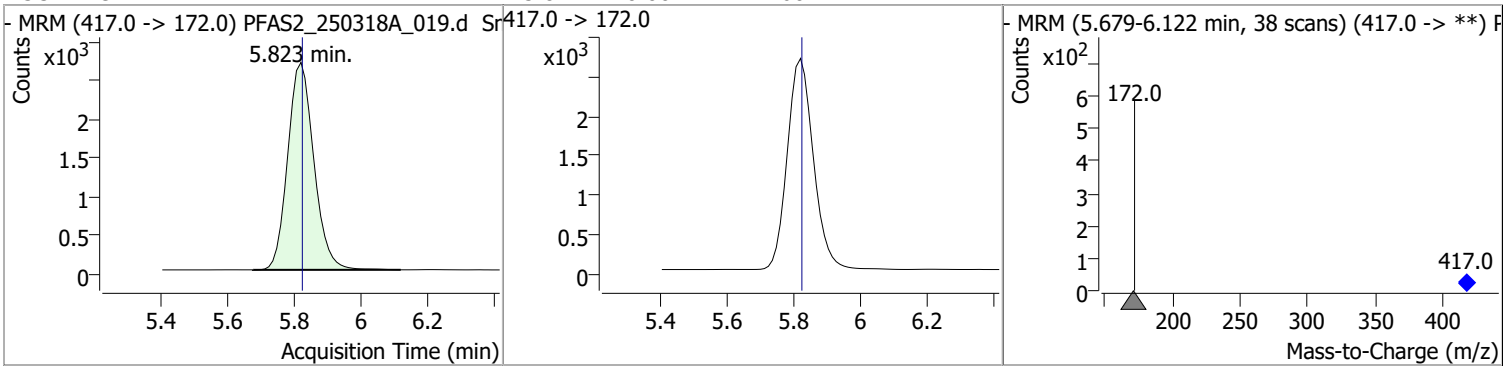
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1207	5.64	0.00	107	427.0 -> 81.0	28.0	17.7	32.8



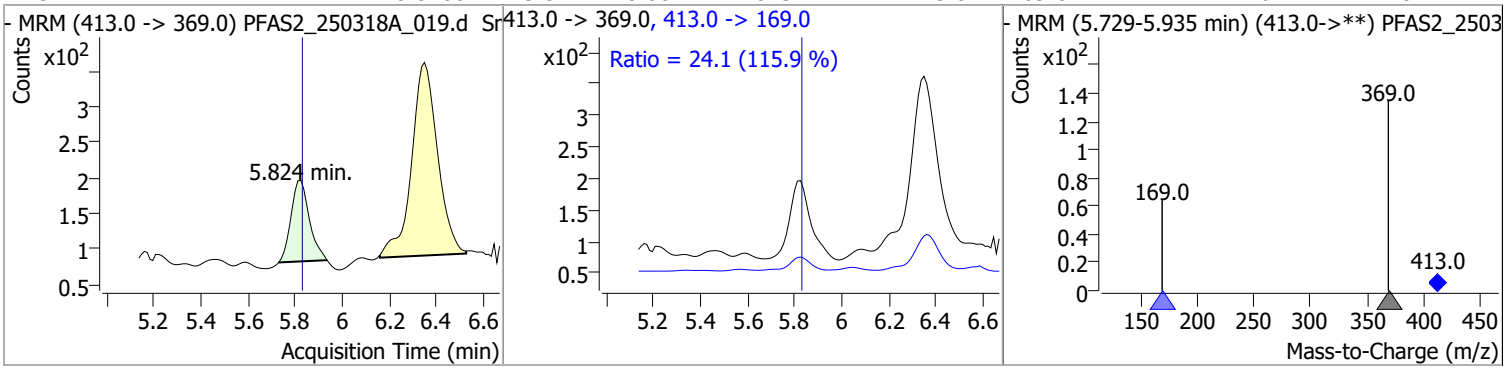
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4650	5.82	0.00	160953				



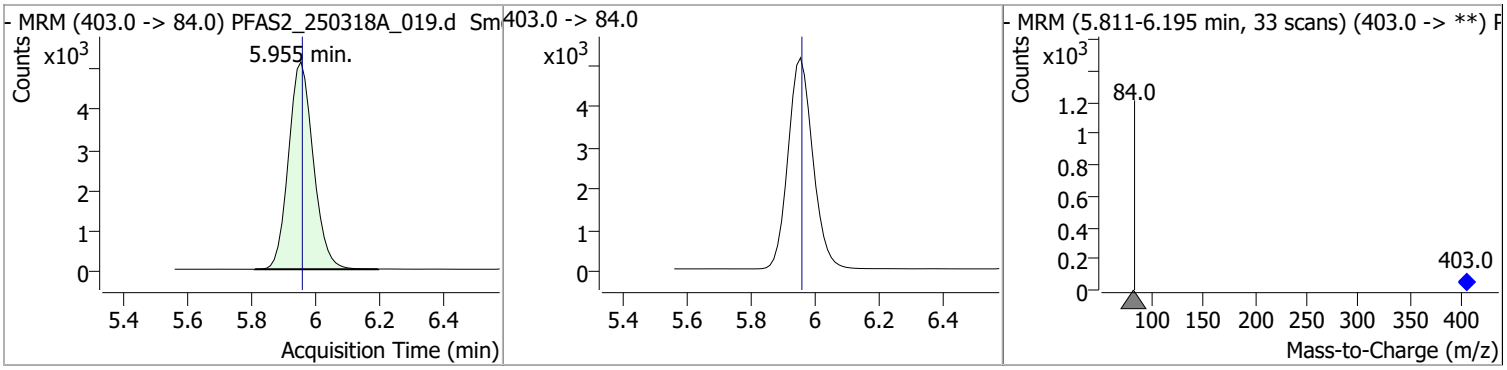
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14601				



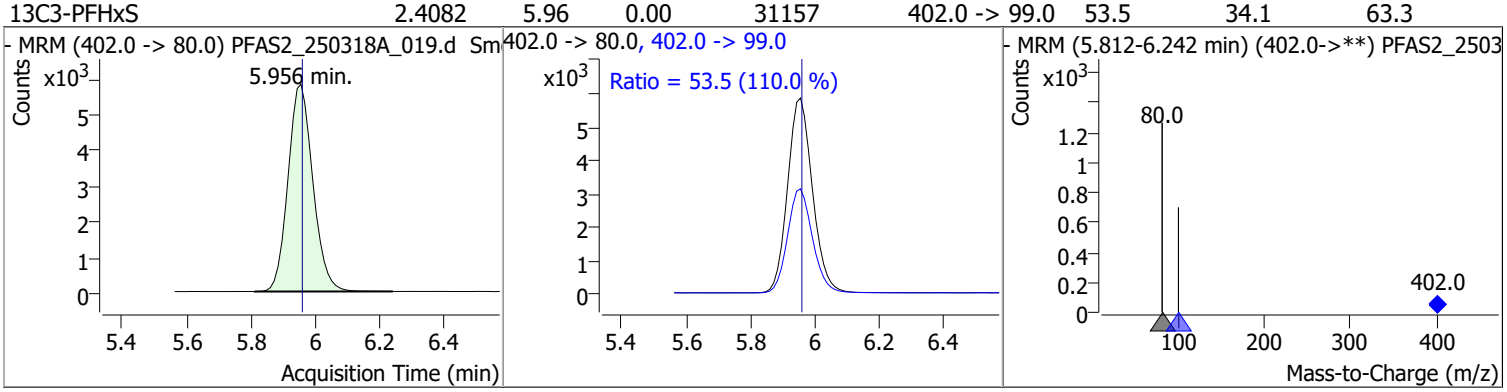
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0460	5.82	0.00	615	413.0 -> 169.0	24.1	14.6	27.0



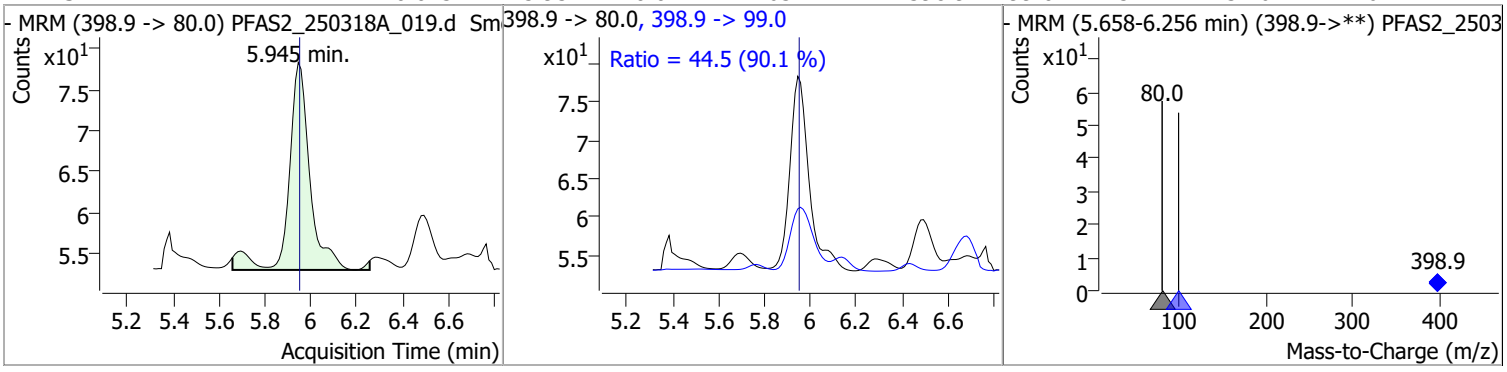
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27430				



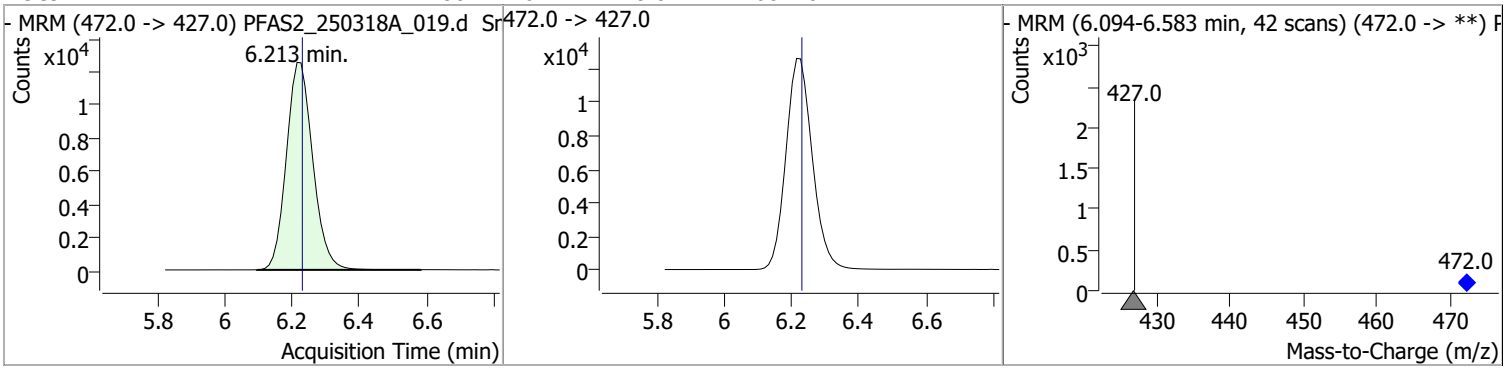
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4082	5.96	0.00	31157	402.0 -> 99.0	53.5	34.1	63.3



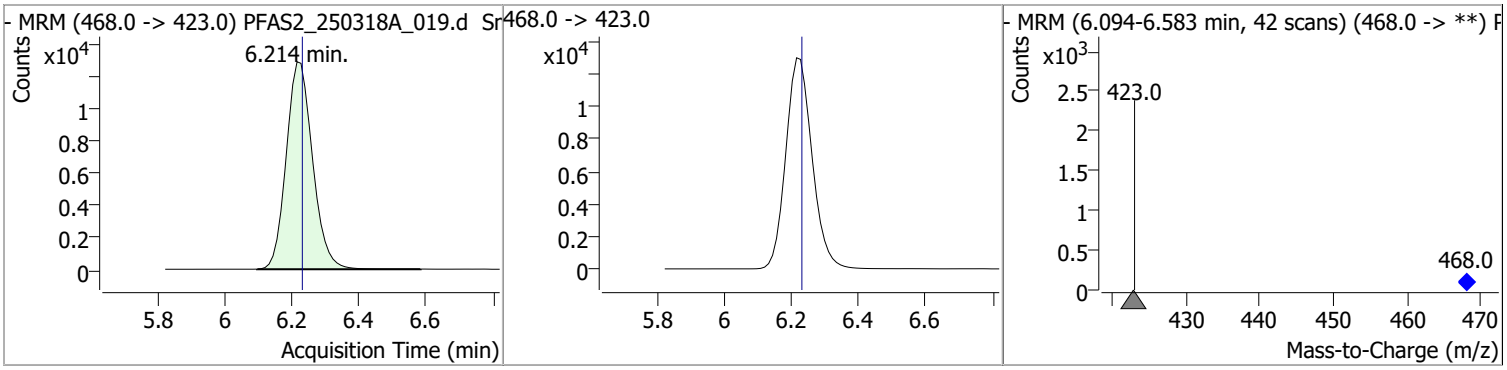
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0134	5.95	-0.01	163	398.9 -> 99.0	44.5	34.6	64.2



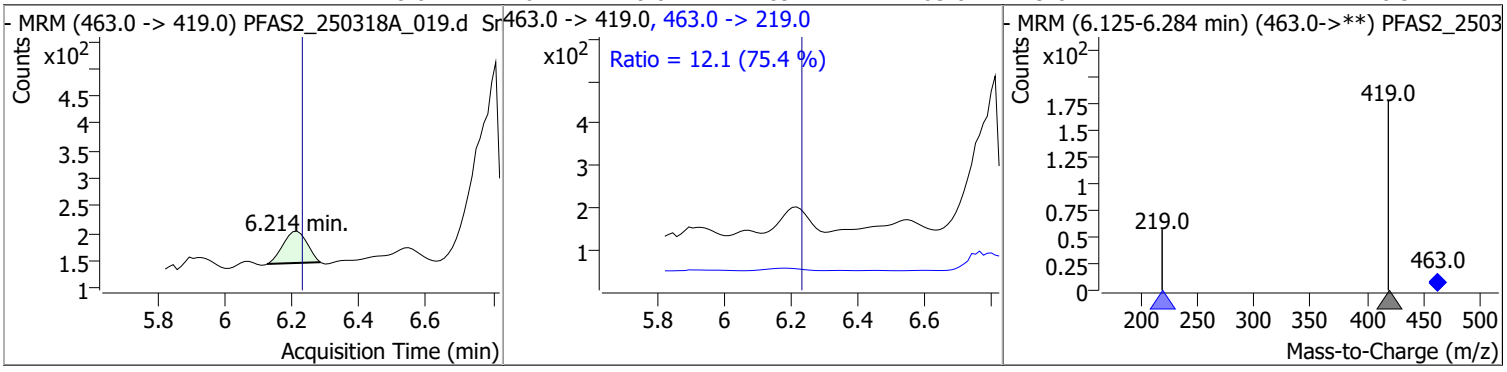
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2280	6.21	-0.01	68728				



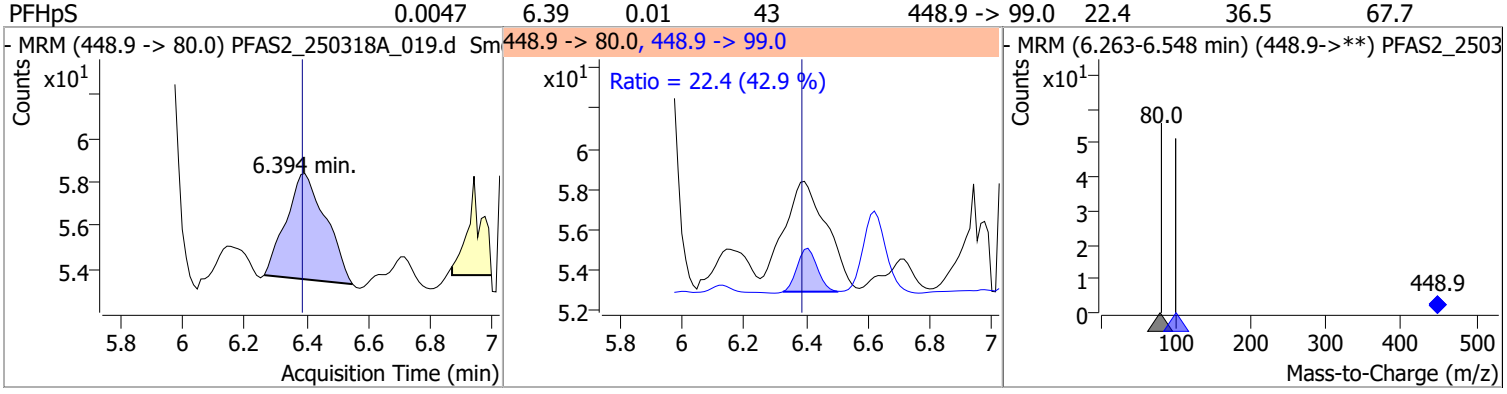
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	70630				



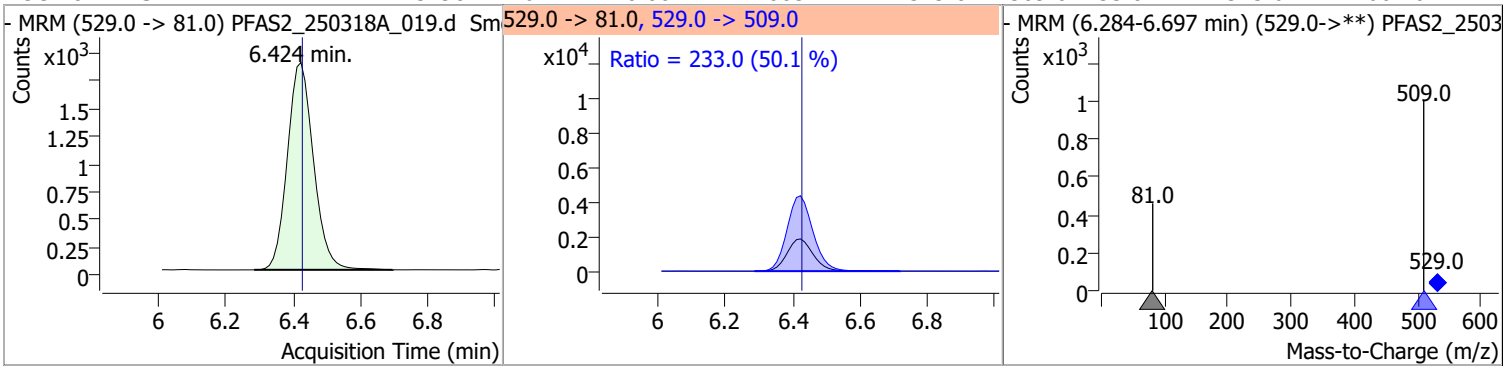
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0122	6.21	-0.01	289	463.0 -> 219.0	12.1	11.2	20.9



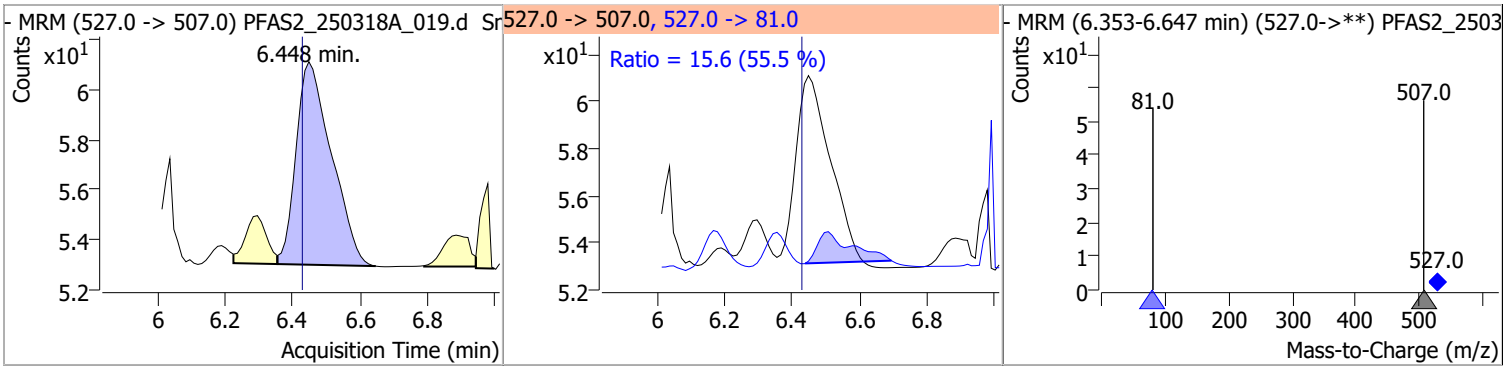
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0047	6.39	0.01	43	448.9 -> 99.0	22.4	36.5	67.7



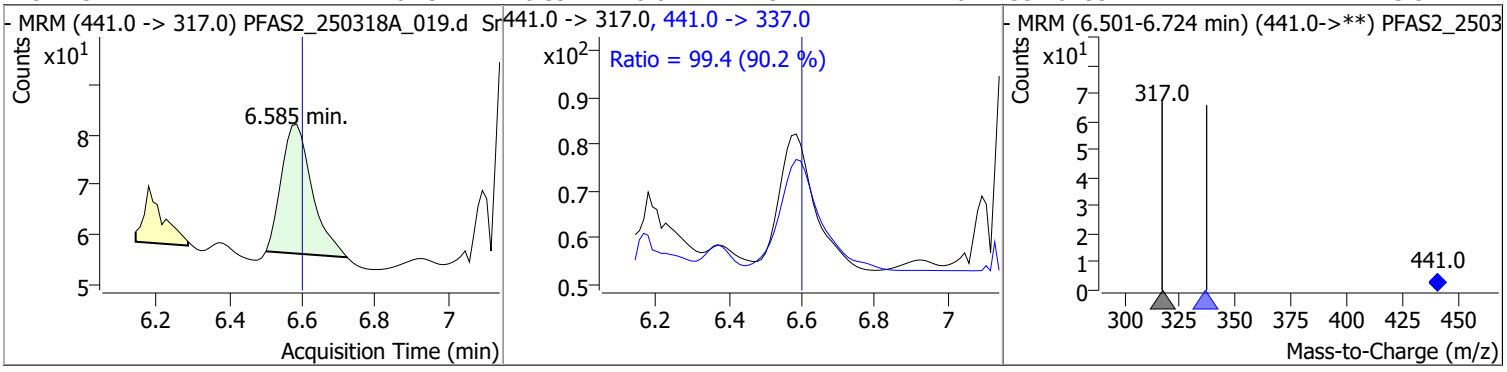
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5798	6.42	0.00	10057	529.0 -> 509.0	233.0	325.6	604.6



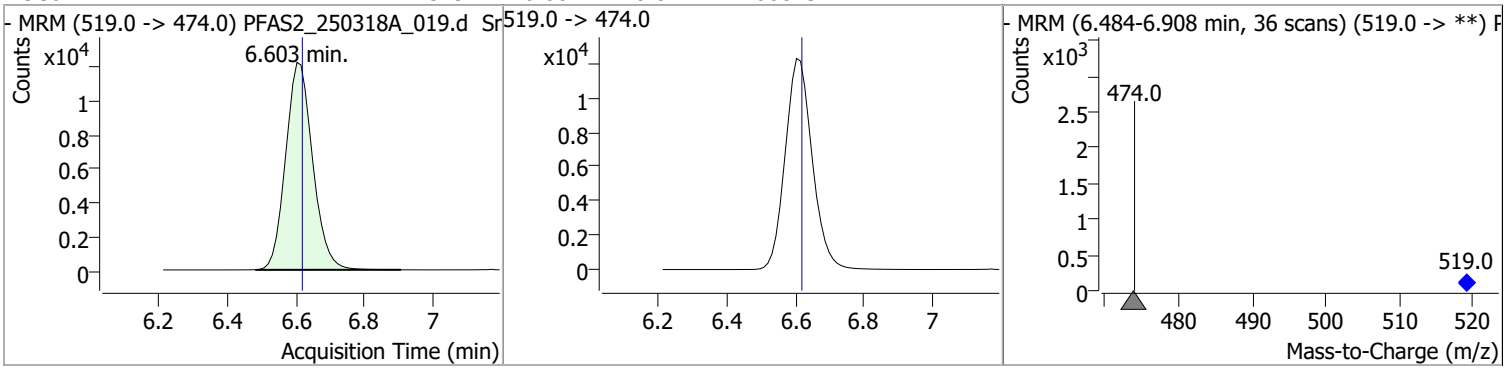
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0853	6.45	0.02	59	527.0 -> 81.0	15.6	19.7	36.6



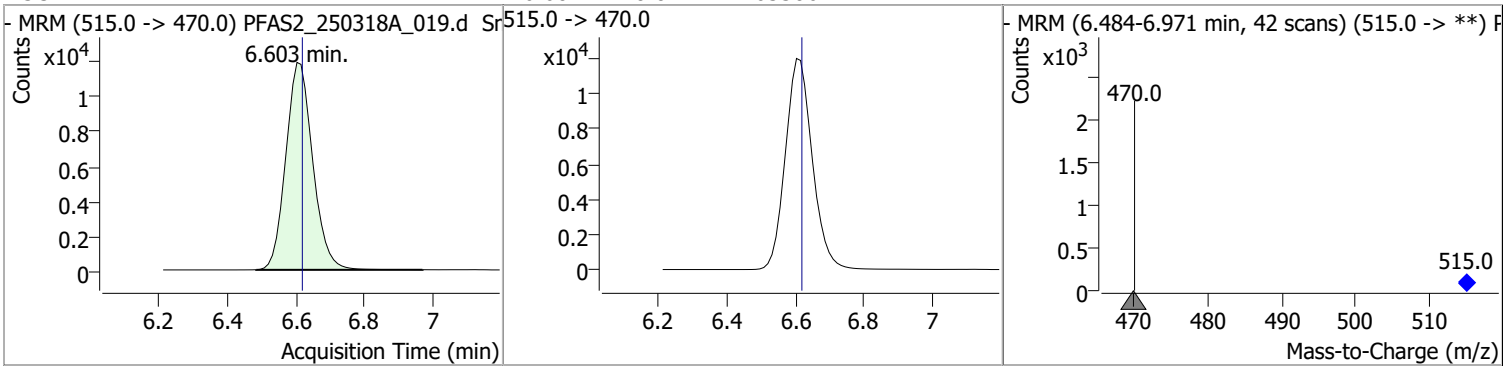
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2942	6.59	-0.01	151	441.0 -> 337.0	99.4	77.1	143.3



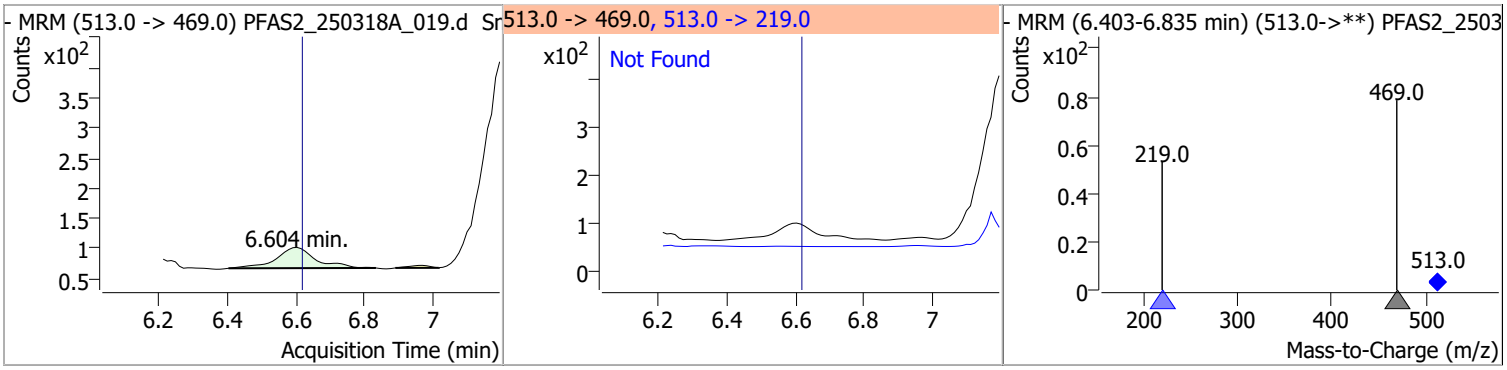
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2579	6.60	-0.01	66849				



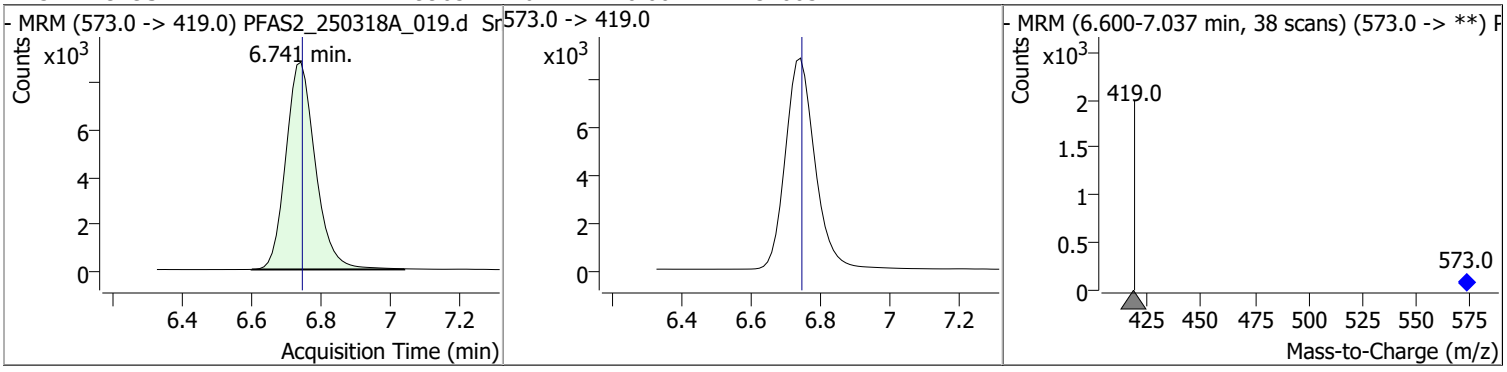
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	65306				



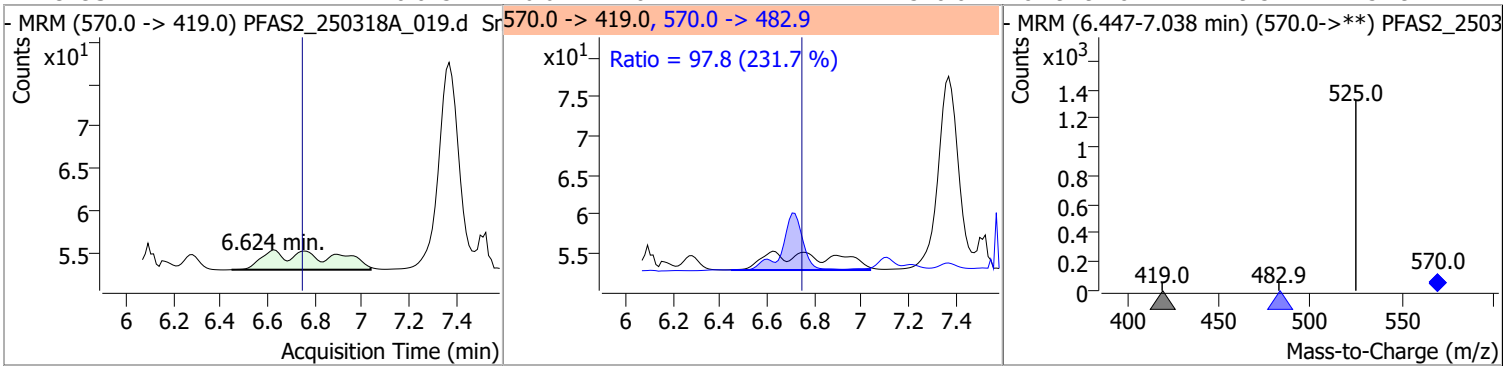
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0025	6.60	-0.01	278	513.0 -> 219.0	8.7	16.2	



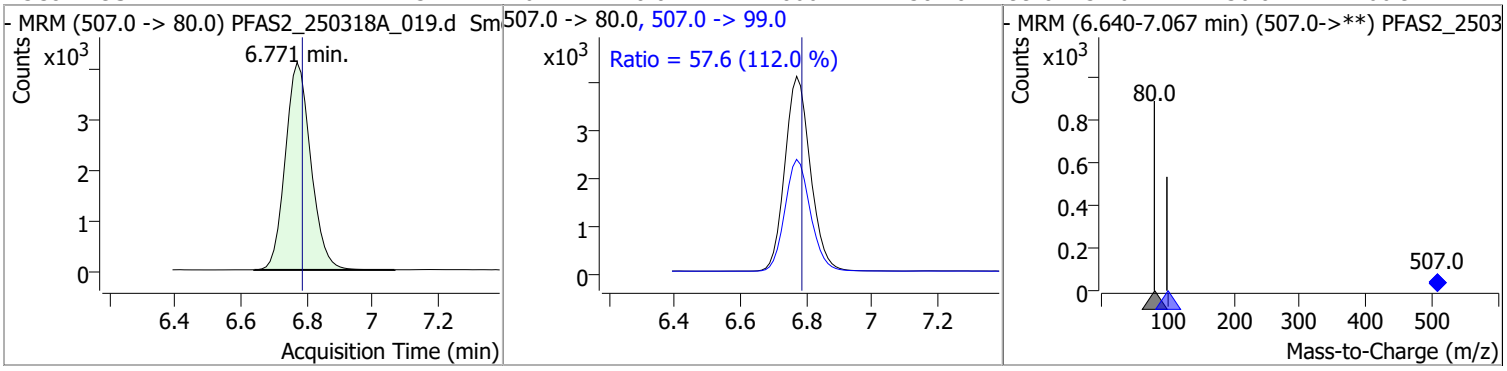
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9905	6.74	0.00	52003				



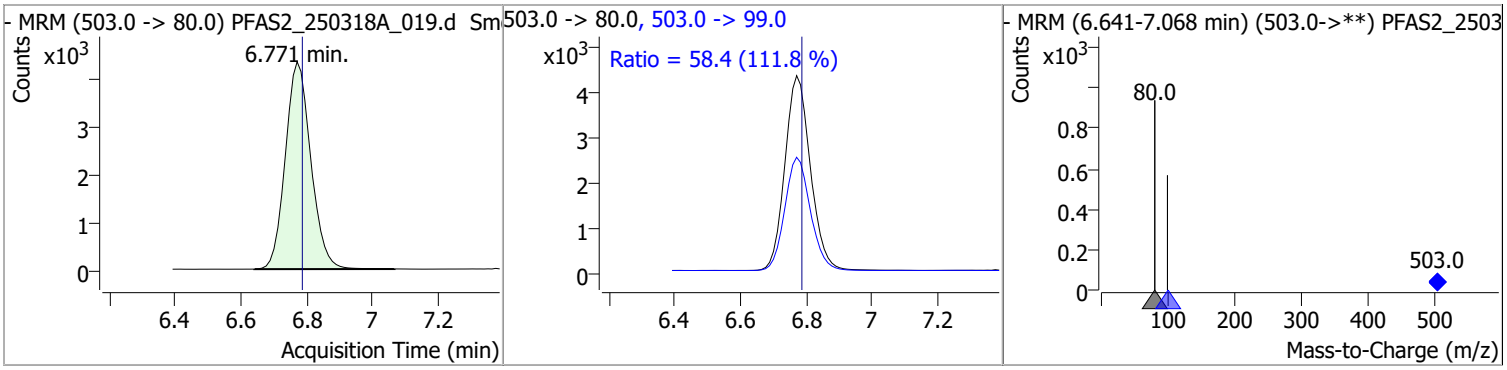
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0132	6.62	-0.12	47	570.0 -> 482.9	97.8	29.5	54.9



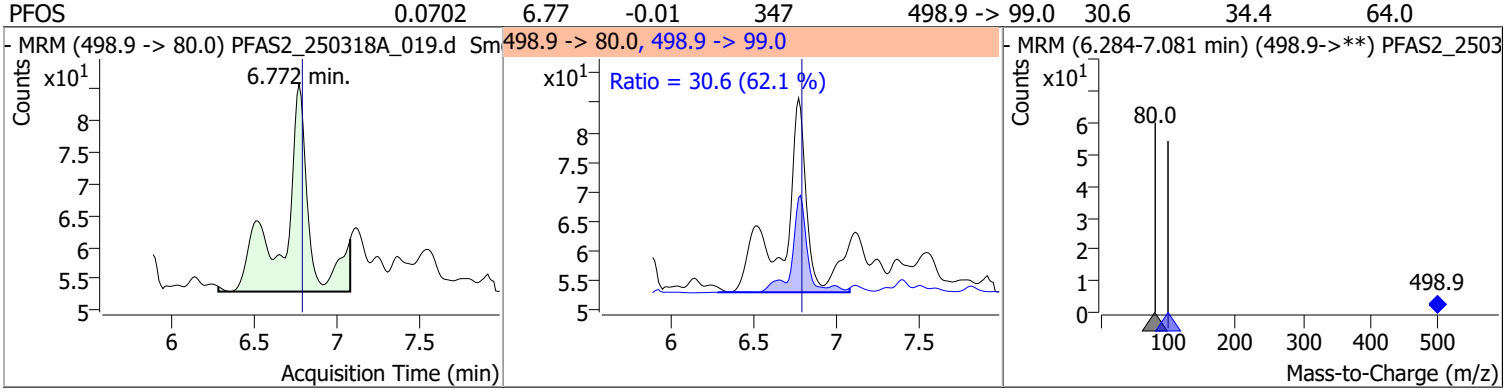
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3411	6.77	-0.01	22066	507.0 -> 99.0	57.6	36.0	66.9



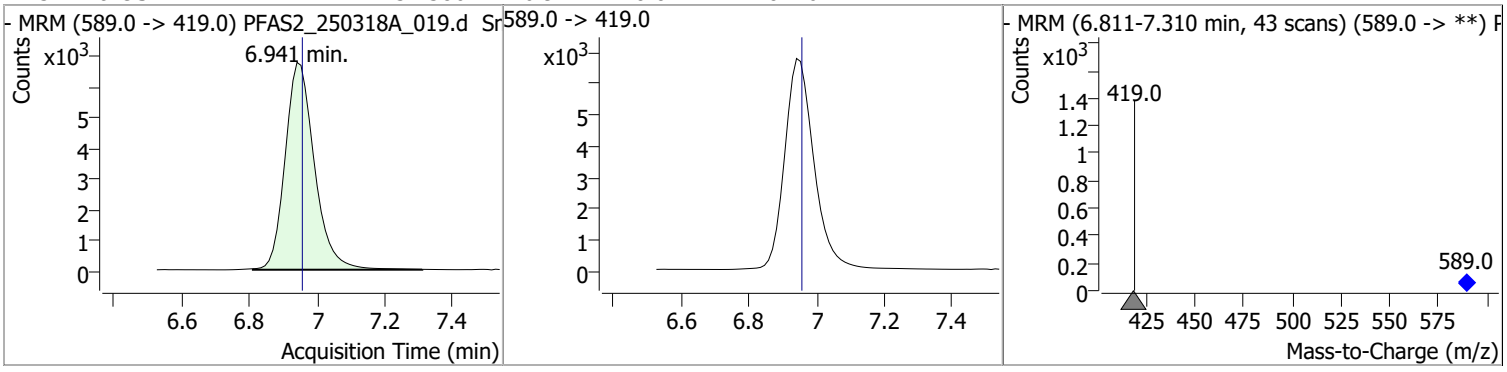
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23224	503.0 -> 99.0	58.4	36.6	67.9



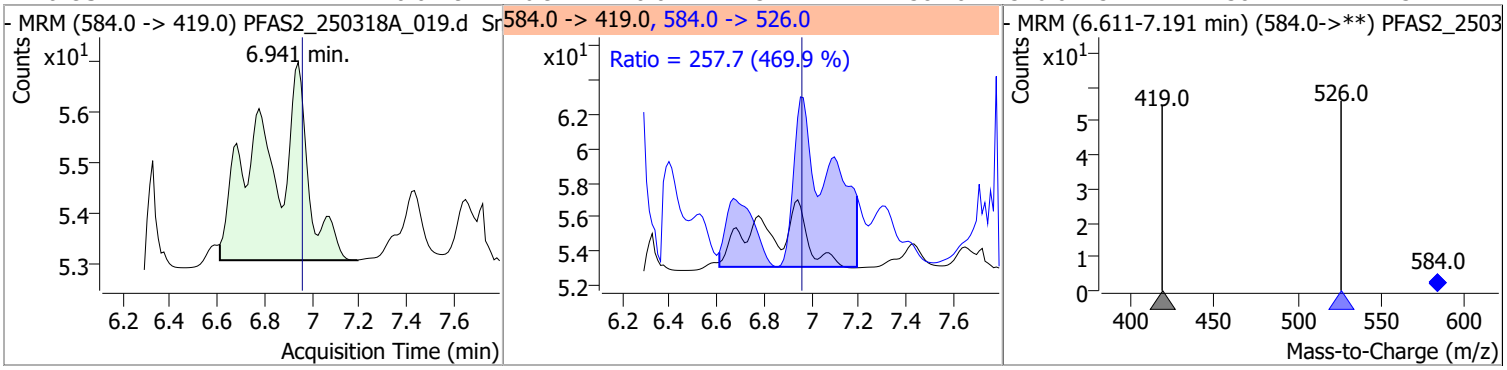
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0702	6.77	-0.01	347	498.9 -> 99.0	30.6	34.4	64.0



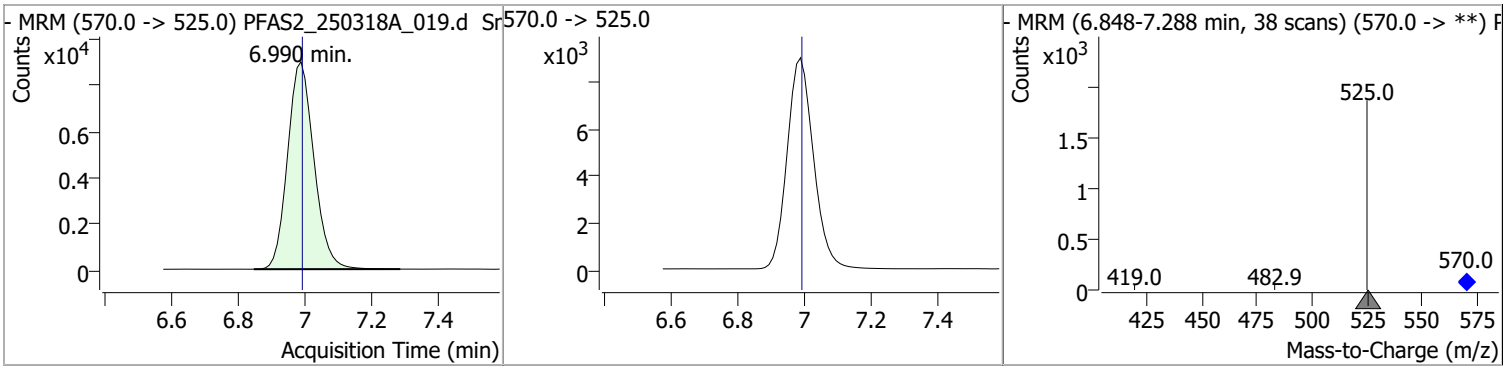
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1386	6.94	-0.01	40426				



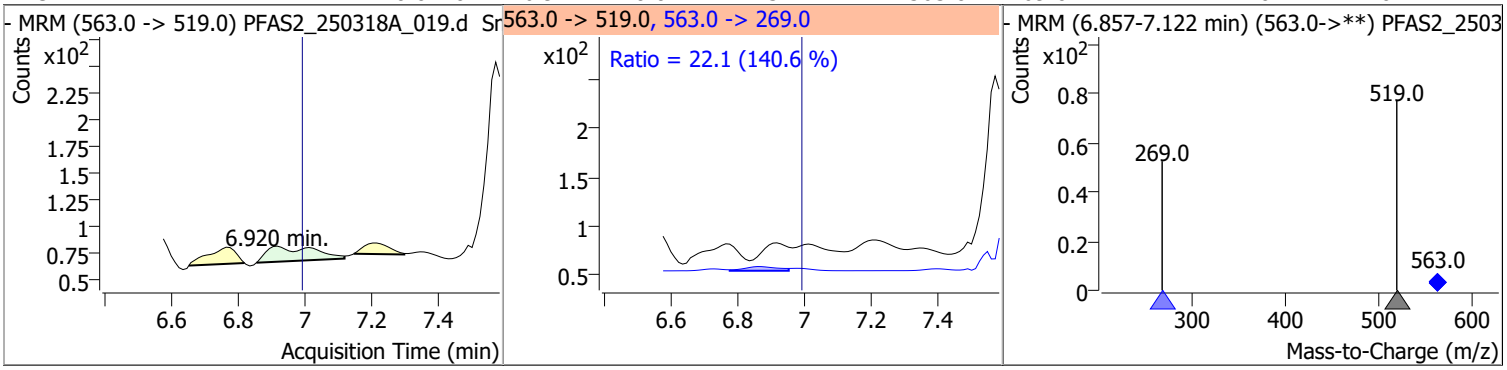
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0179	6.94	-0.01	52	584.0 -> 526.0	257.7	38.4	71.3



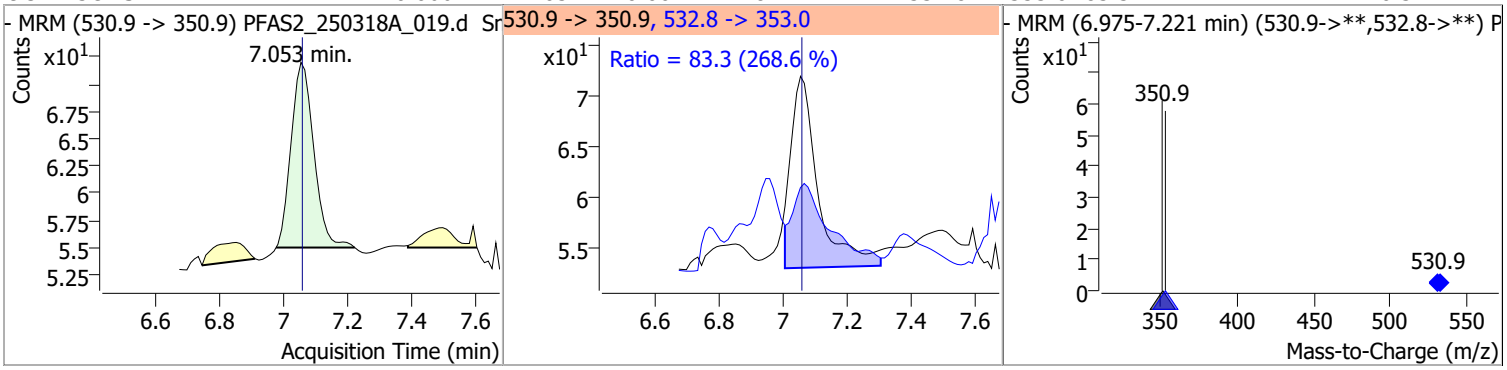
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1771	6.99	0.00	49299				



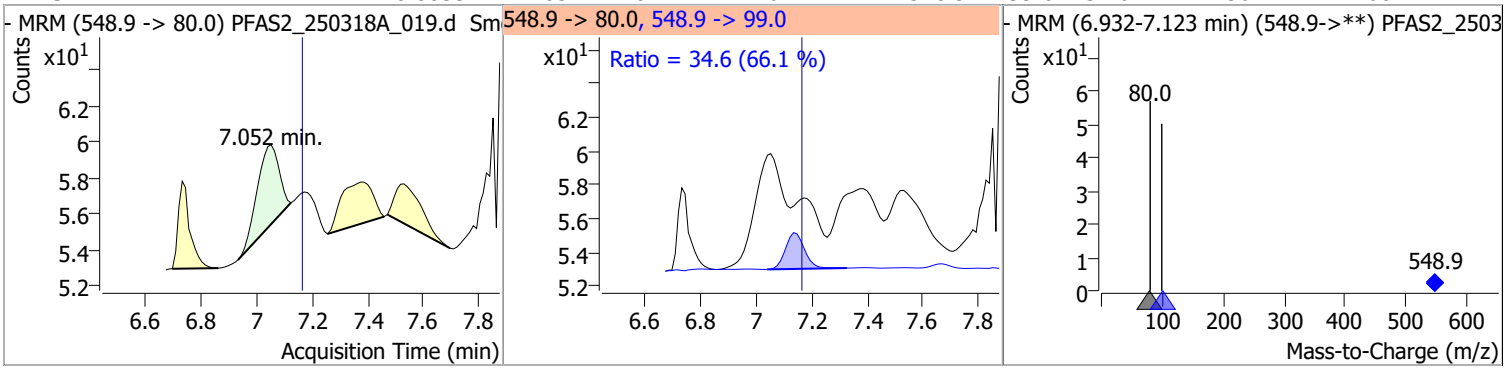
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0170	6.92	-0.07	137	563.0 -> 269.0	22.1	11.0	20.4



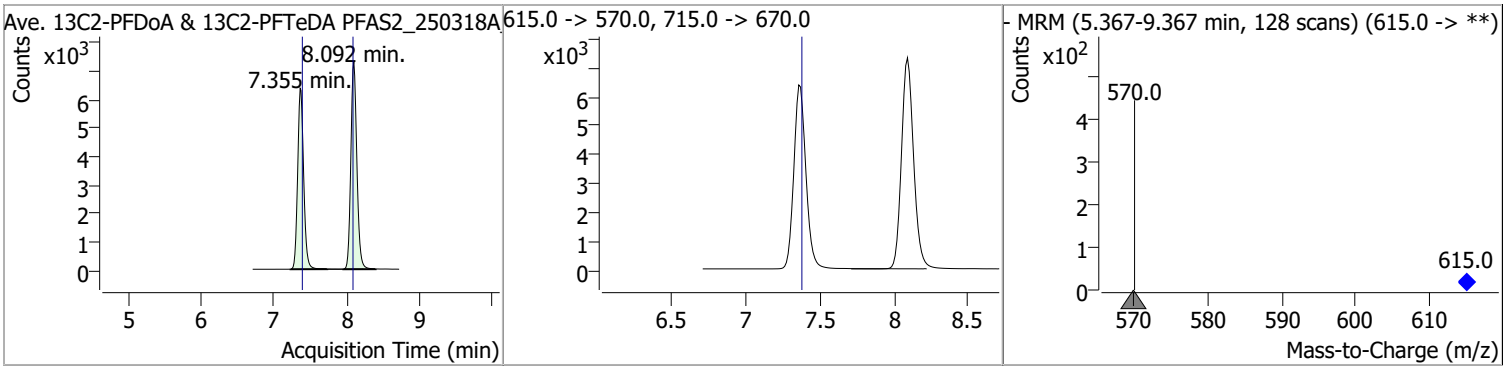
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0667	7.05	0.00	84	532.8 -> 353.0	83.3	21.7	40.3



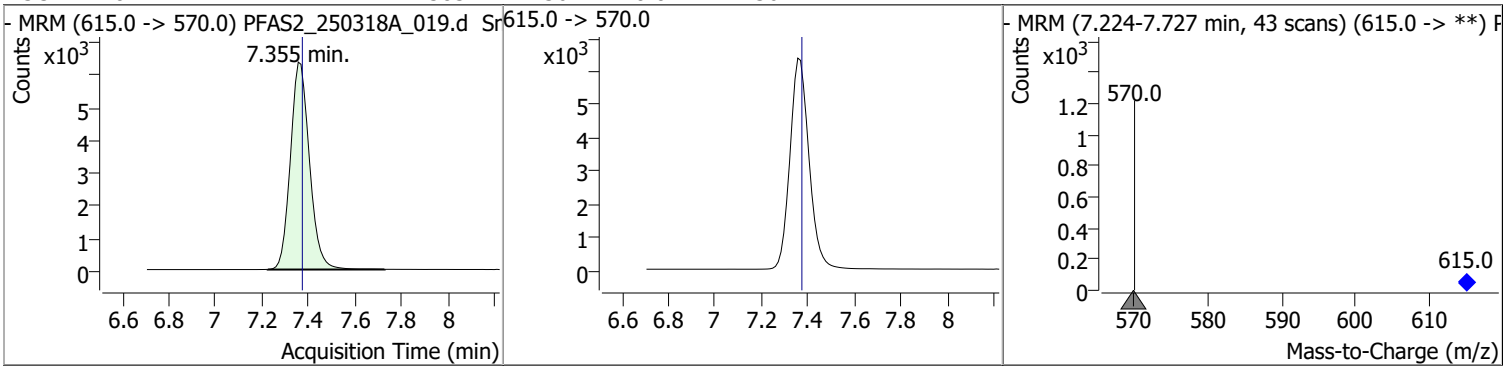
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0035	7.05	-0.11	26	548.9 -> 99.0	34.6	36.7	68.1



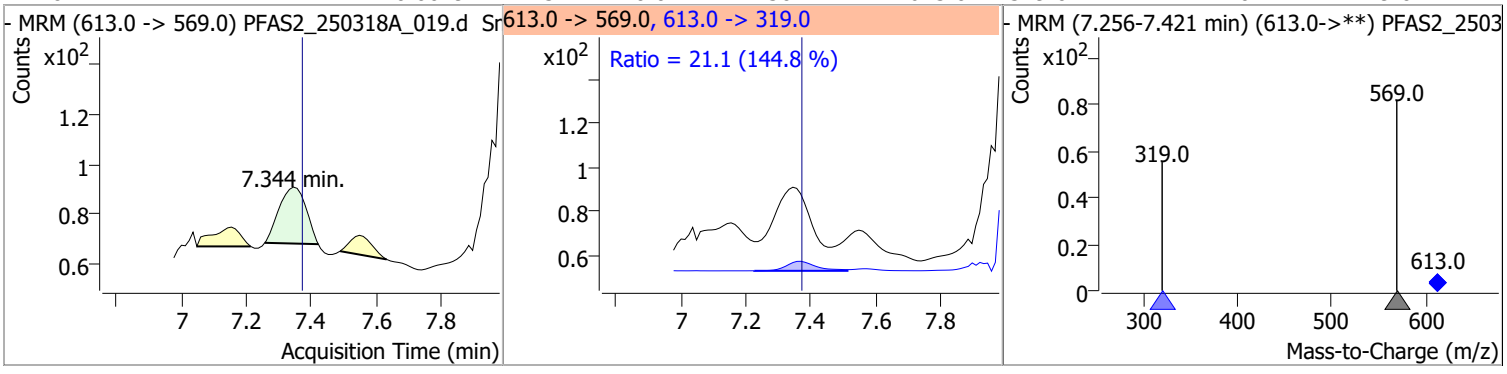
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1279	7.72	0.36	38934				



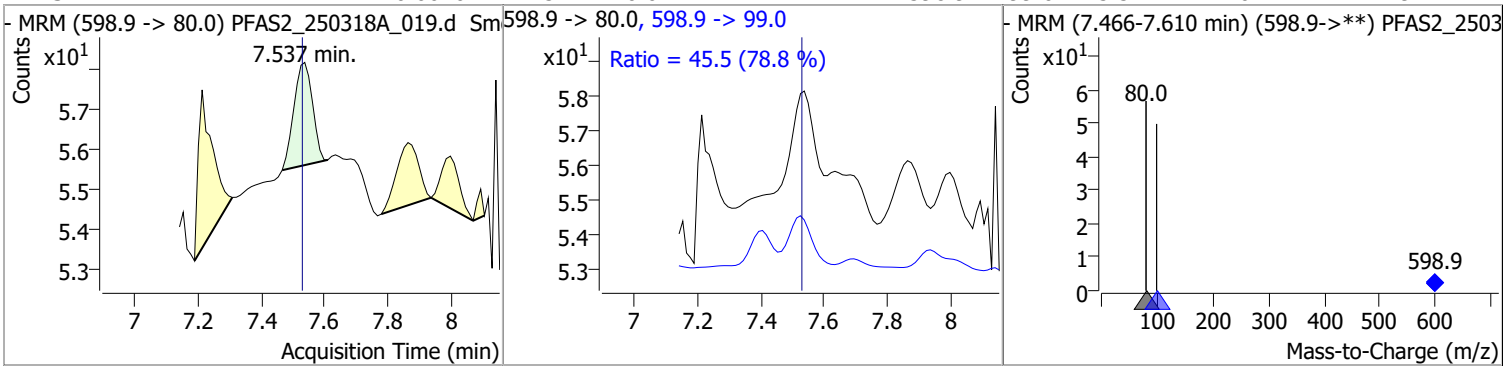
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1583	7.36	-0.01	36141				



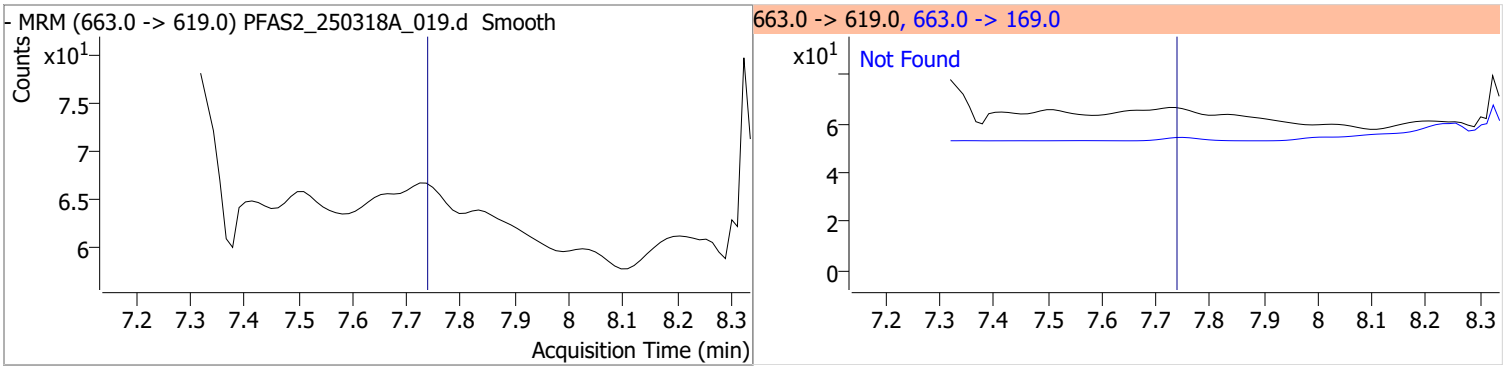
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0049	7.34	-0.02	130	613.0 -> 319.0	21.1	10.2	19.0



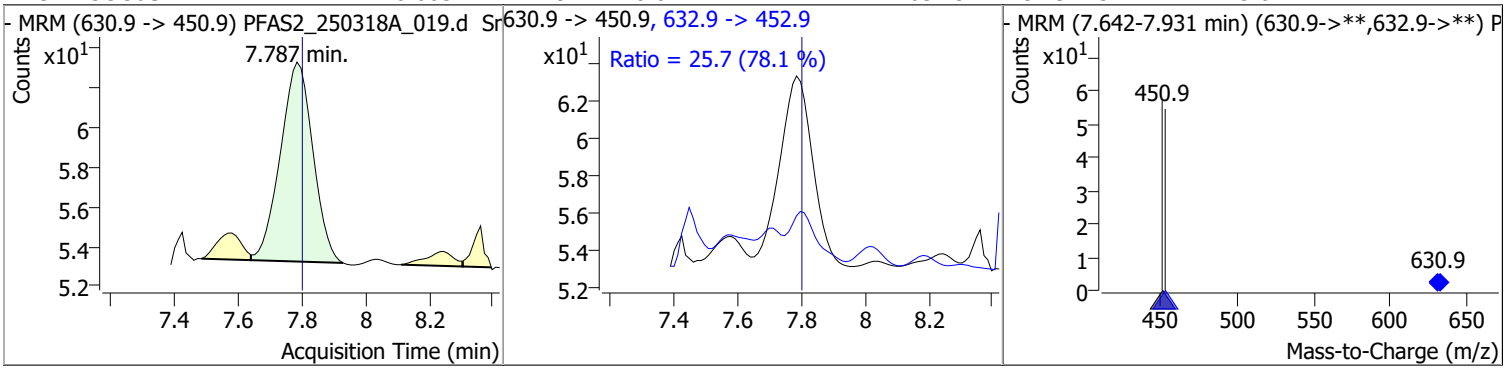
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0020	7.54	0.01	11	598.9 -> 99.0	45.5	40.4	74.9



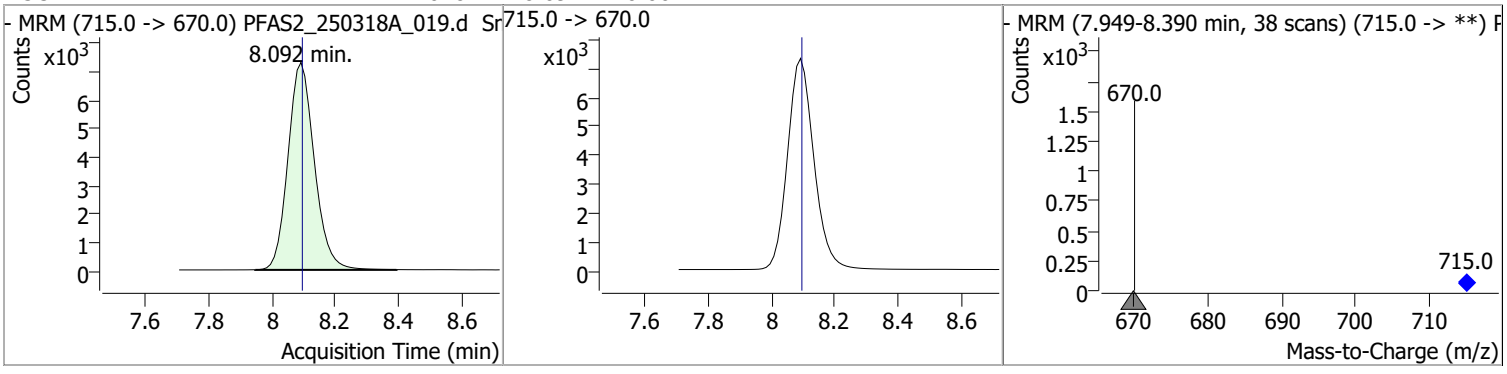
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.74	663.0 -> 169.0	10.3



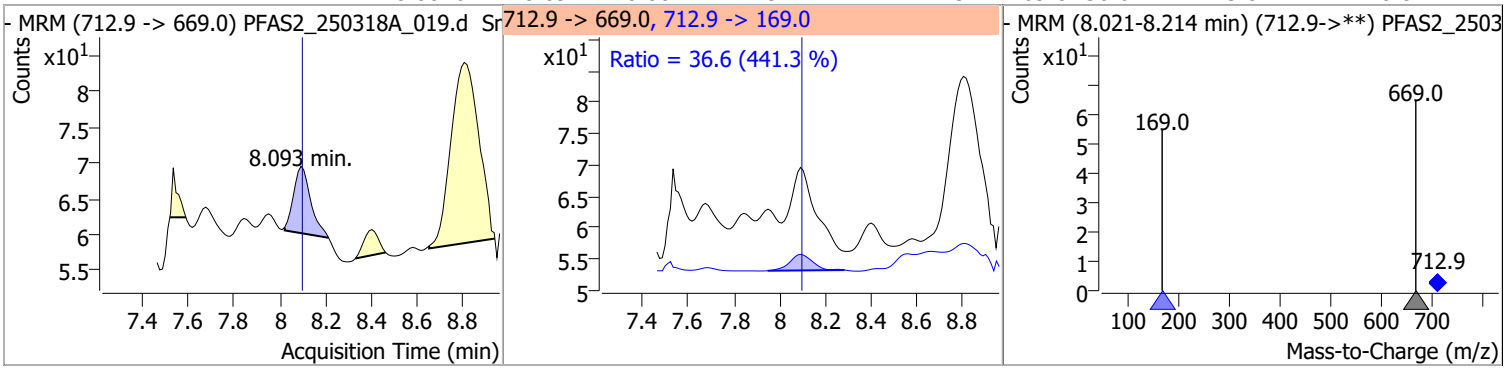
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0034	7.79	-0.01	71	632.9 -> 452.9	25.7	23.0	42.7



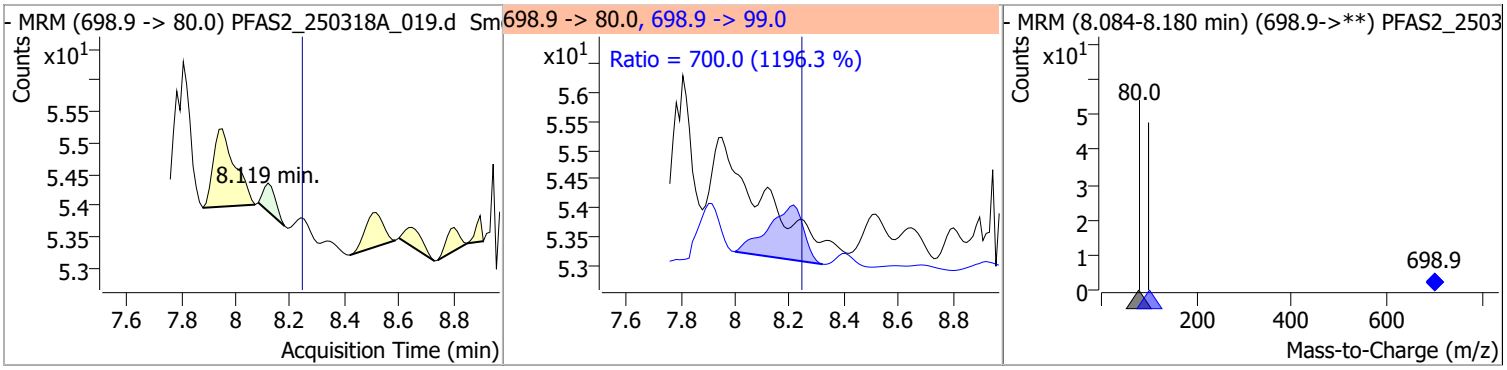
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1028	8.09	0.00	41727				



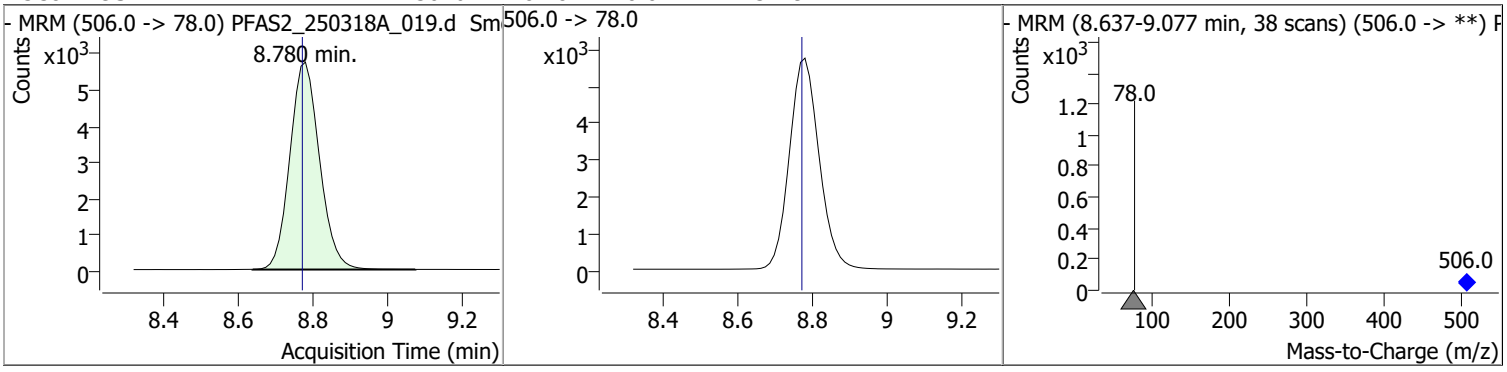
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0076	8.09	0.00	49	712.9 -> 169.0	36.6	5.8	10.8



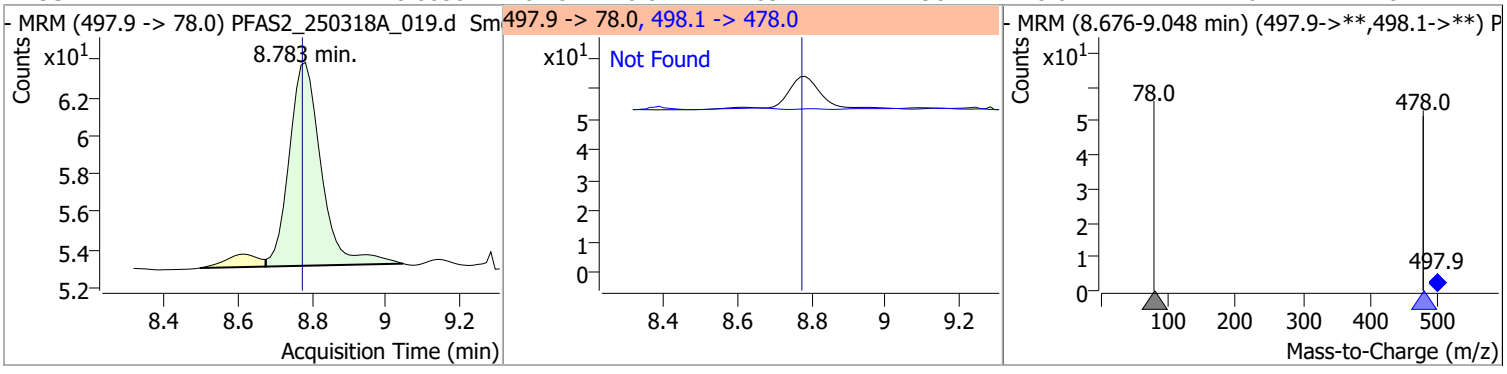
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0003	8.12	-0.12	1	698.9 -> 99.0	700.0	41.0	76.1



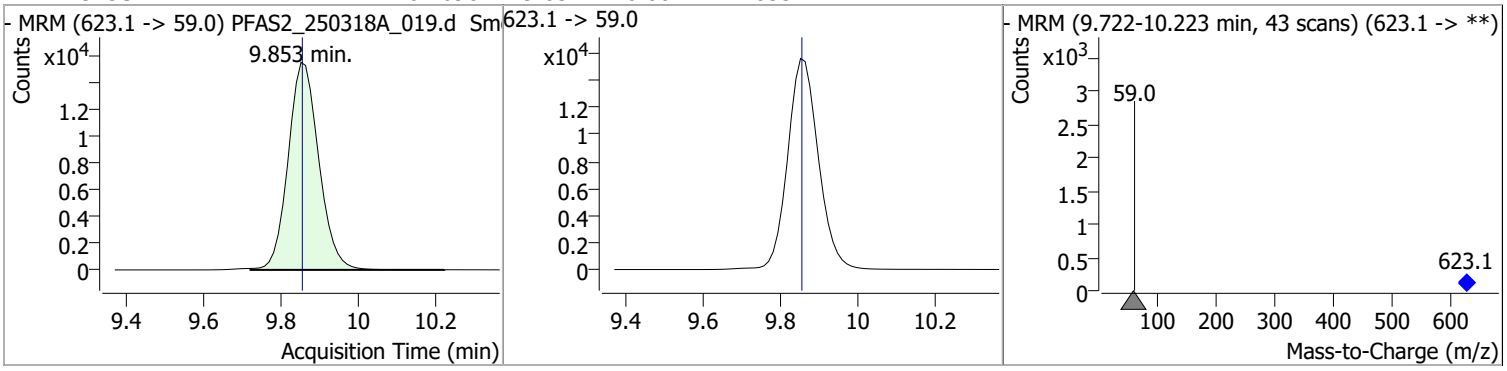
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3016	8.78	0.01	31791				



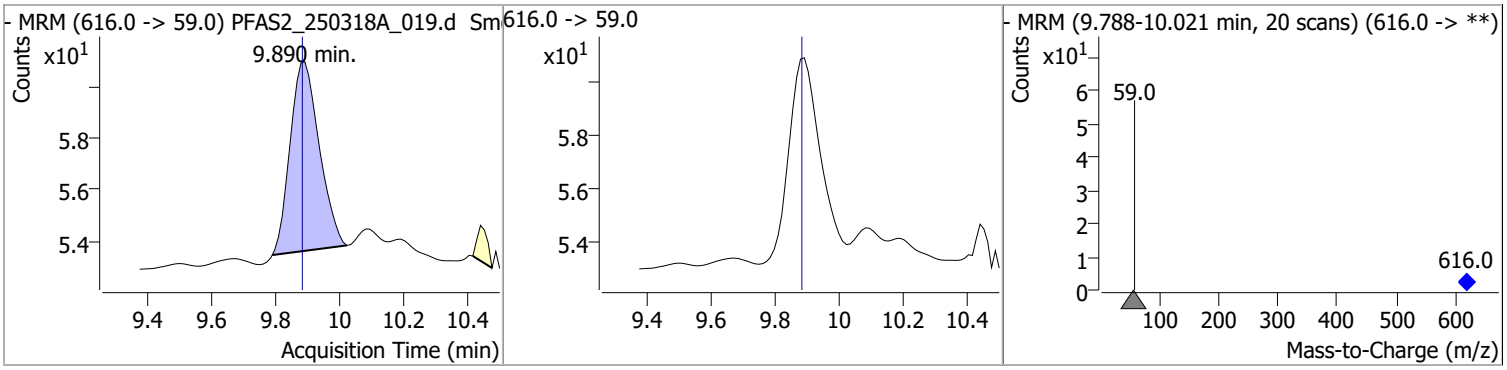
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0058	8.78	0.01	65	498.1 -> 478.0		2.6	4.8



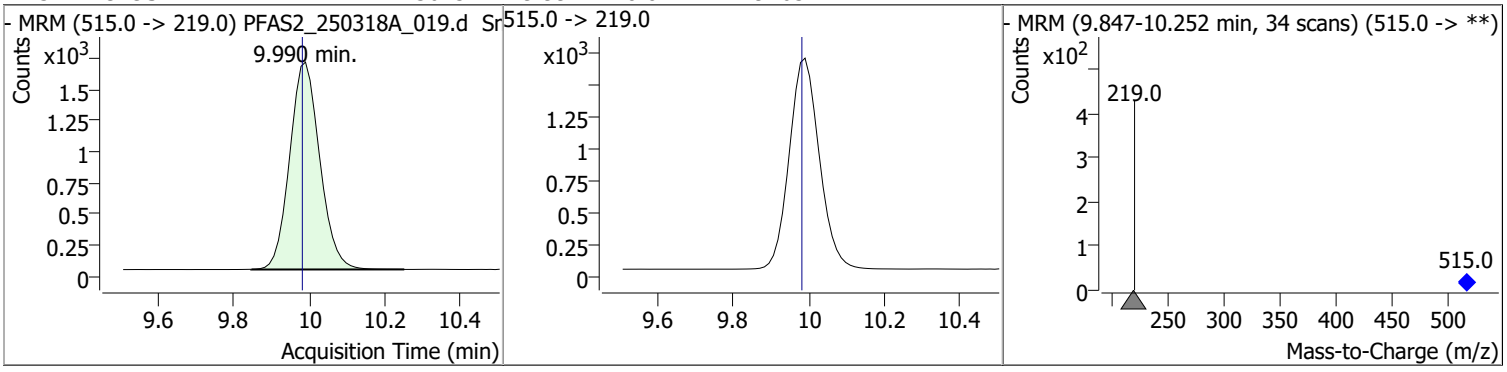
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	18.2698	9.85	0.00	85542				



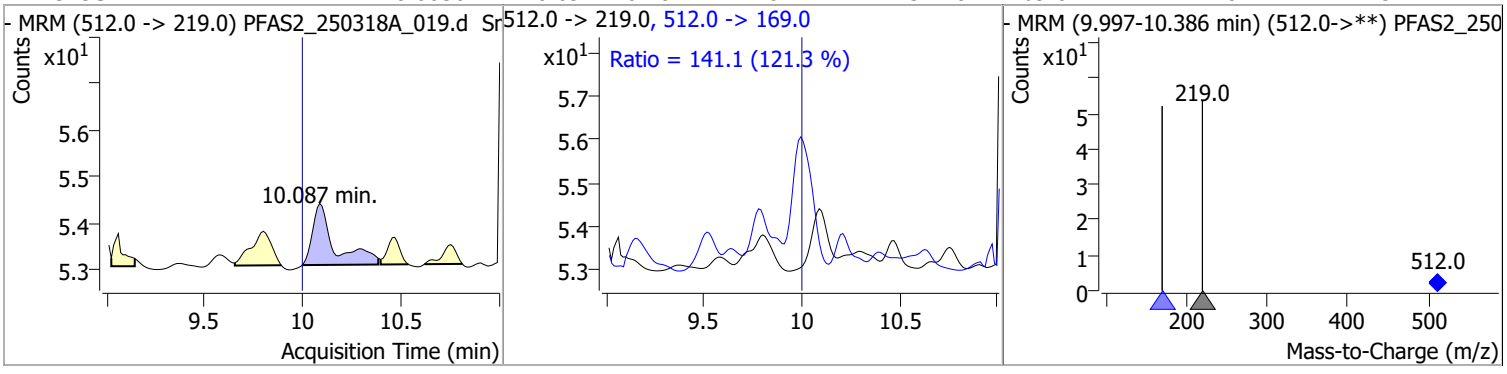
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	46				



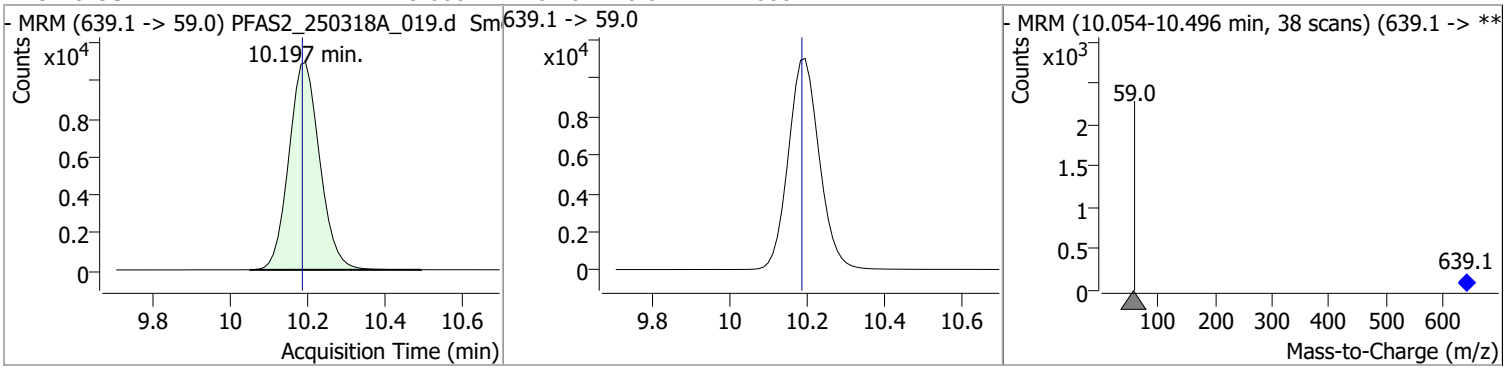
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3645	9.99	0.01	9165				



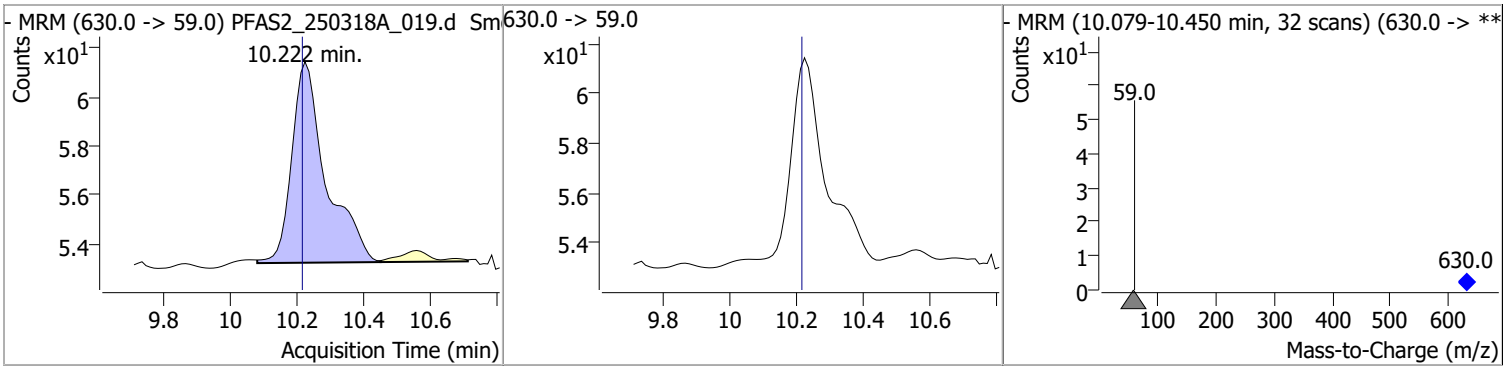
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0030	10.09	0.10	10	512.0 -> 169.0	141.1	81.4	151.2



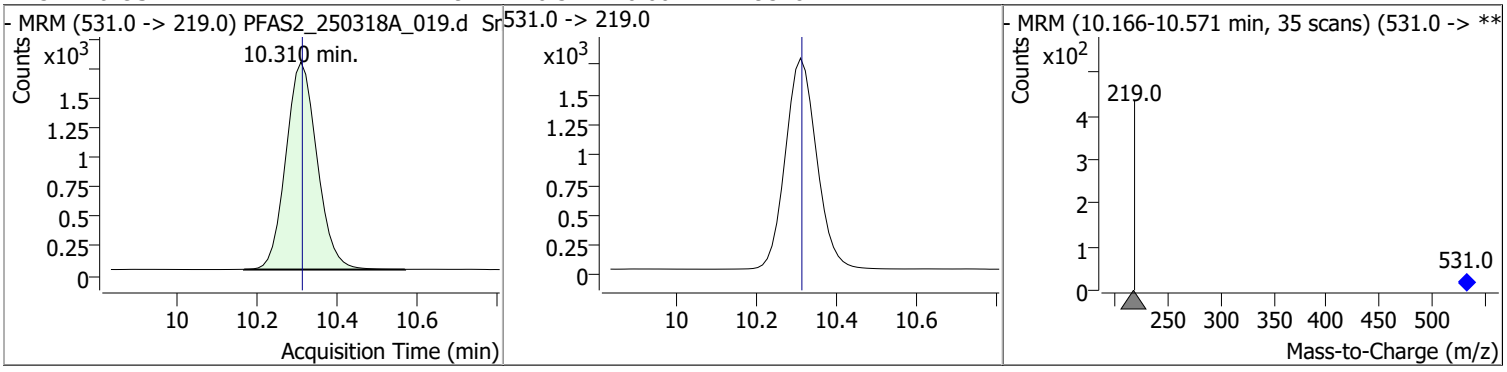
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.6662	10.20	0.01	60812				



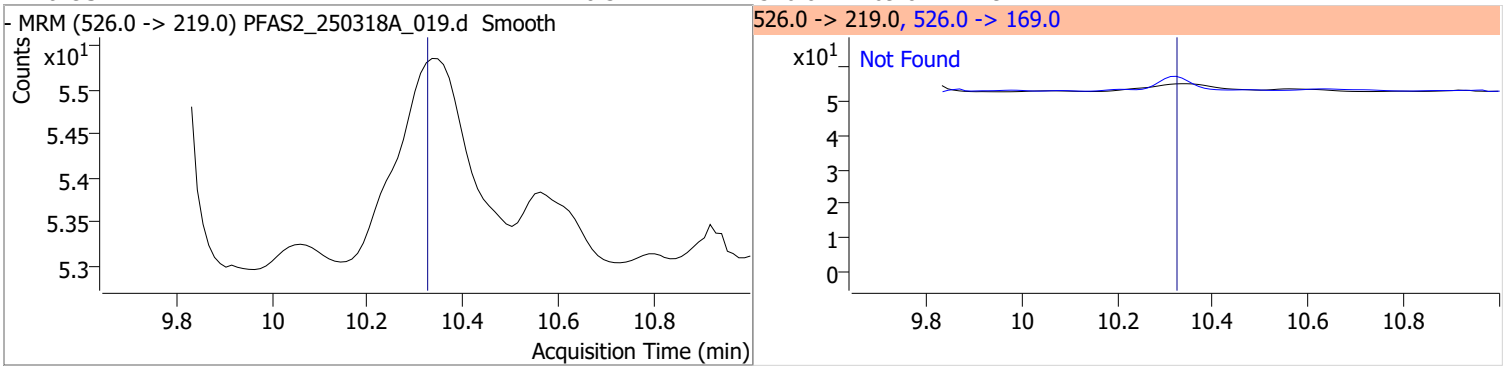
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0364	10.22	0.01	59				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2779	10.31	0.00	9548				



Compound	Conc.	Exp RT	QIon	Exp Ratio
N-EtFOSA	N.D.	10.32	526.0 -> 169.0	112.9



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_020.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:57:04 PM
Sample Name	B25C0783-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

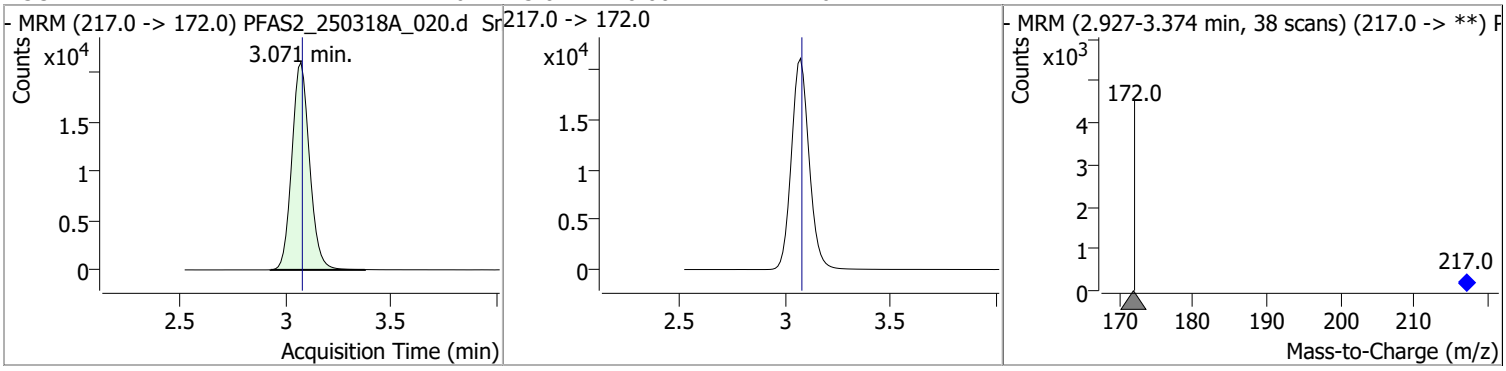
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	121666	5.0000	µg/L		-11.090
13C2-PFHxA	4.902	315.0 -> 270.0	136106	2.5000	µg/L		-11.288
18O2-PFHxS	5.955	403.0 -> 84.0	26848	2.5000	µg/L		-9.388
13C4-PFOA	5.823	417.0 -> 172.0	14264	2.5000	µg/L		-7.661
13C5-PFNA	6.226	468.0 -> 423.0	68513	1.2500	µg/L		-3.737
13C2-PFDA	6.615	515.0 -> 470.0	59842	1.2500	µg/L		-10.518
13C4-PFOS	6.771	503.0 -> 80.0	21329	2.5000	µg/L		-14.373
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	122276	10.0000	µg/L		-60.662
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.23%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27378	5.0000	µg/L	#	8.366
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.08%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C3-PFBS	4.929	302.0 -> 80.0	47913	2.5000	µg/L		-21.096
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.17%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	150589	10.0000	µg/L		-13.836
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.12%			
13C4-PFHpA	5.397	367.0 -> 322.0	161408	2.5000	µg/L		-14.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.36%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15003	5.0000	µg/L	#	1.584
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.23%			
13C8-PFOA	5.823	421.0 -> 376.0	146507	2.5000	µg/L		-15.187
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C9-PFNA	6.225	472.0 -> 427.0	63755	1.2500	µg/L		-9.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11151	5.0000	µg/L	#	-5.866
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.75%			
13C6-PFDA	6.615	519.0 -> 474.0	59447	1.2500	µg/L		-12.526
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.66%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	49358	5.0000	µg/L		-11.575
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36779	5.0000	µg/L		-12.782
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.81%			
13C7-PFUnDA	6.990	570.0 -> 525.0	47032	1.2500	µg/L		-12.259
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	32664	1.2500	µg/L		-25.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	35609	1.2500	µg/L		-10.855
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFTDA	8.092	715.0 -> 670.0	29718	1.2500	µg/L		-38.453
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.57%			
13C8-PFOSA	8.780	506.0 -> 78.0	31701	2.5000	µg/L		-14.232
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60140	25.0000	µg/L		-52.134
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 55.94%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8733	2.5000	µg/L		-15.782
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%			
2H9-EtFOSE	10.185	639.1 -> 59.0	48208	25.0000	µg/L		-24.093
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.62%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9171	2.5000	µg/L		-18.404
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.614	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.877	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.235	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.491	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.049	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.098	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.212	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.374	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.447	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.553	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.515	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.654	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.836	413.0 -> 369.0	602	0.0467	µg/L		94
PFHxS	5.957	398.9 -> 80.0	136	0.0121	µg/L	#	74
PFNA	6.201	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.454	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.436	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.484	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.772	498.9 -> 80.0	367	0.0745	µg/L	#	72
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.931	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.243	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.368	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.537	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

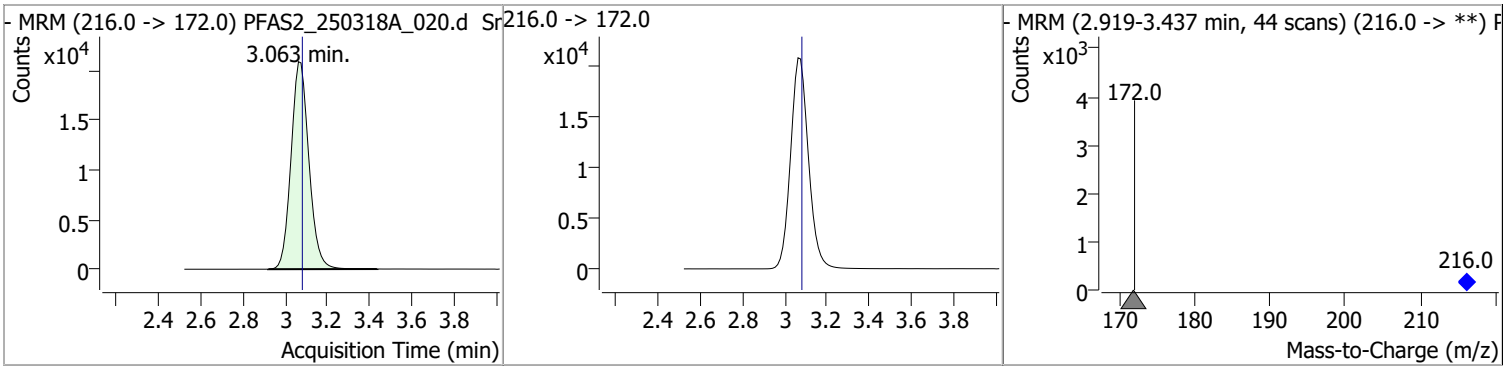
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.240	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	116	0.0177	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	136	0.0880	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

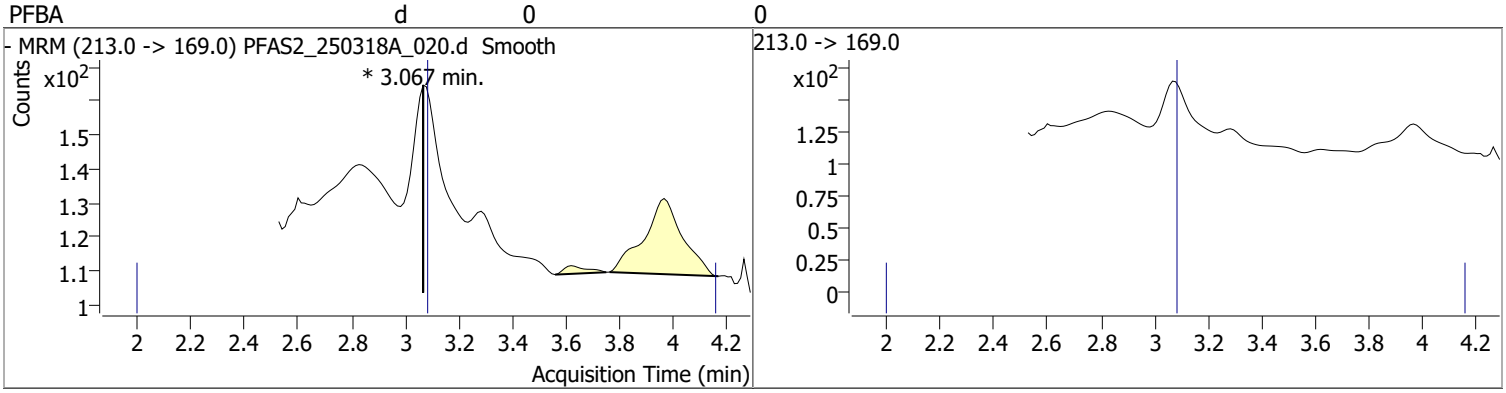
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4226	3.07	0.00	122276				



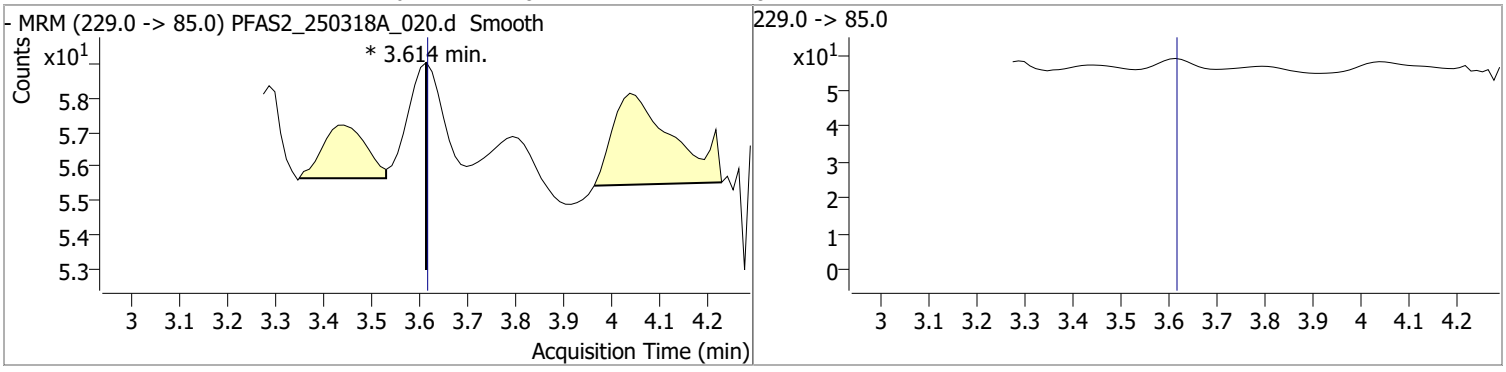
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	121666				



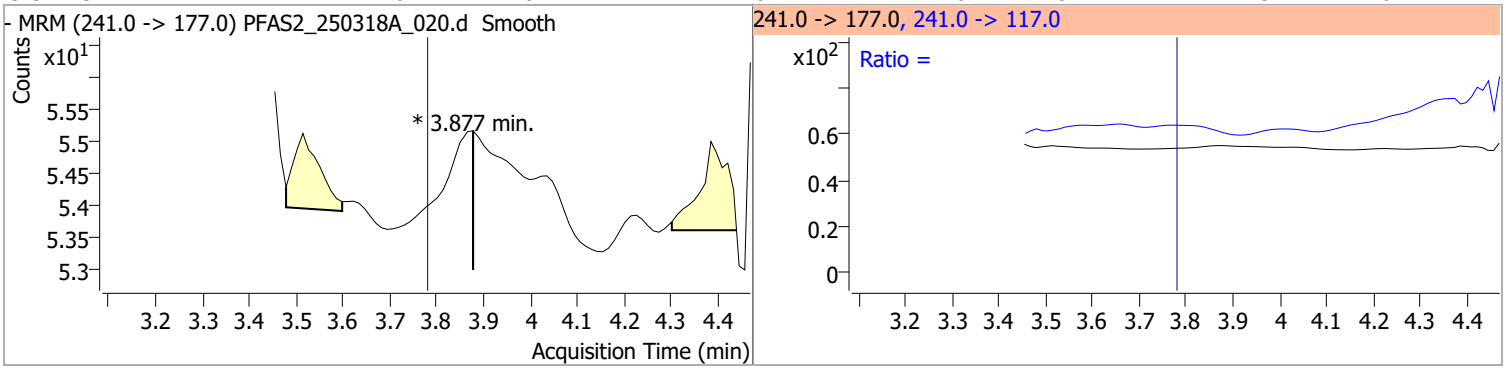
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				



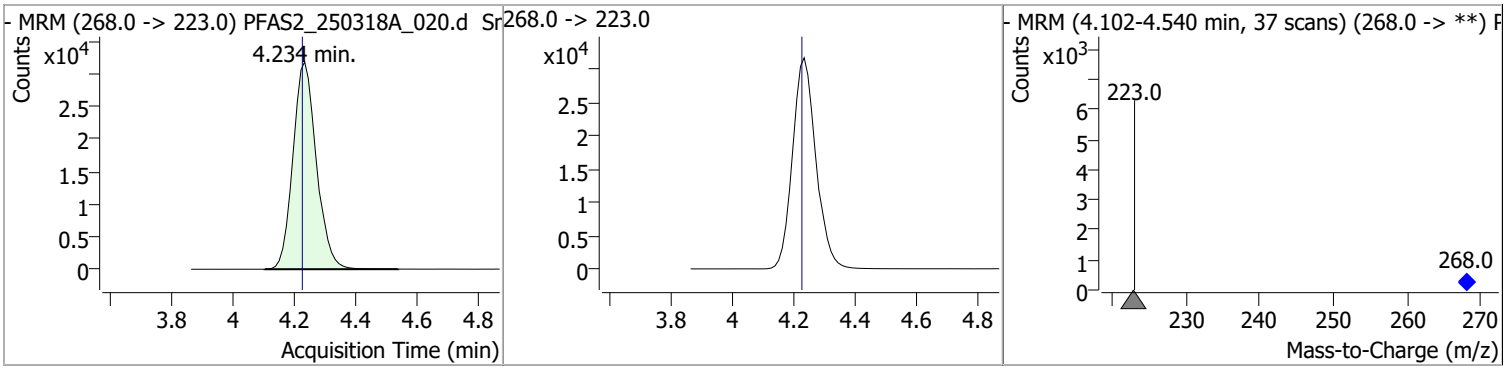
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



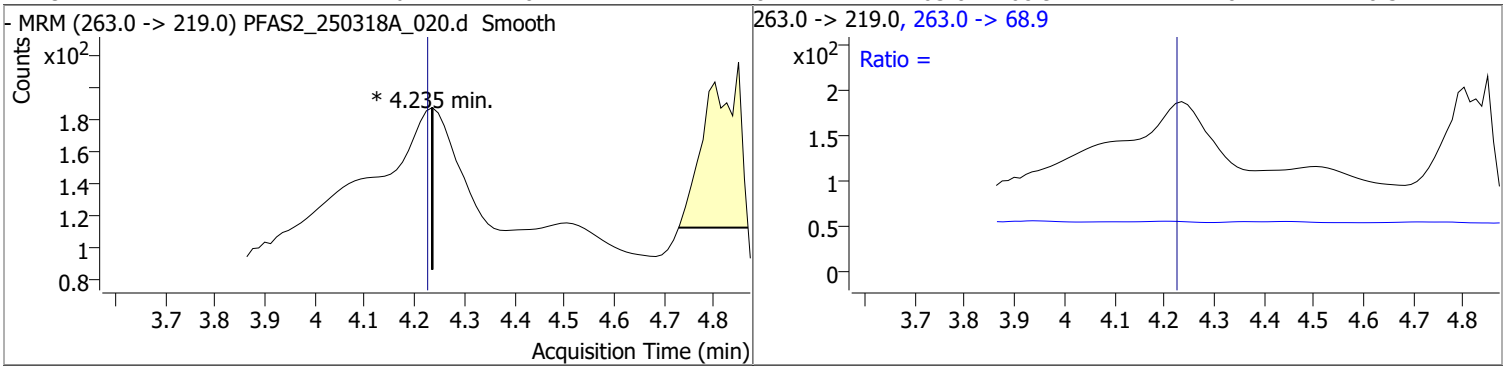
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7



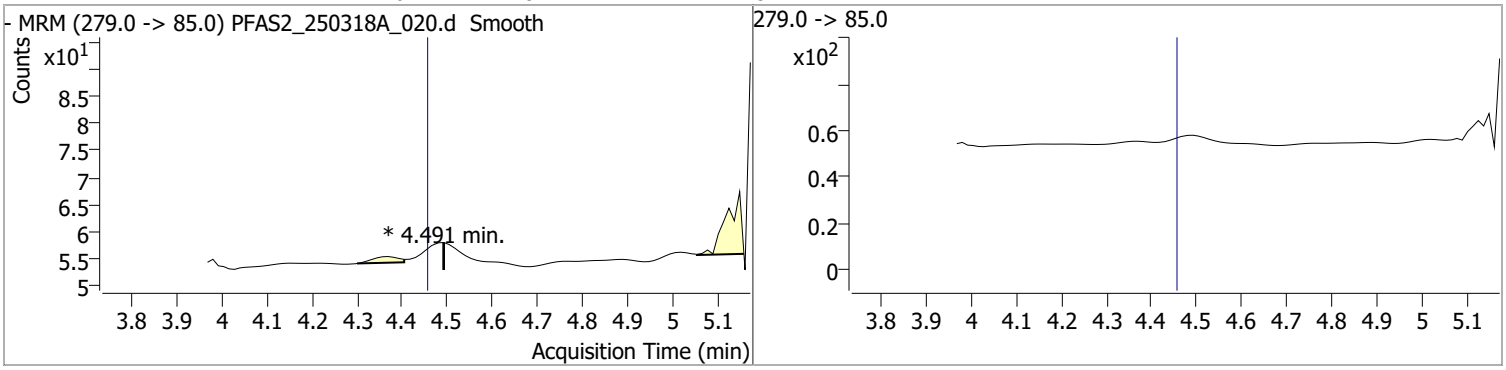
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.5956	4.23	0.01	168705				



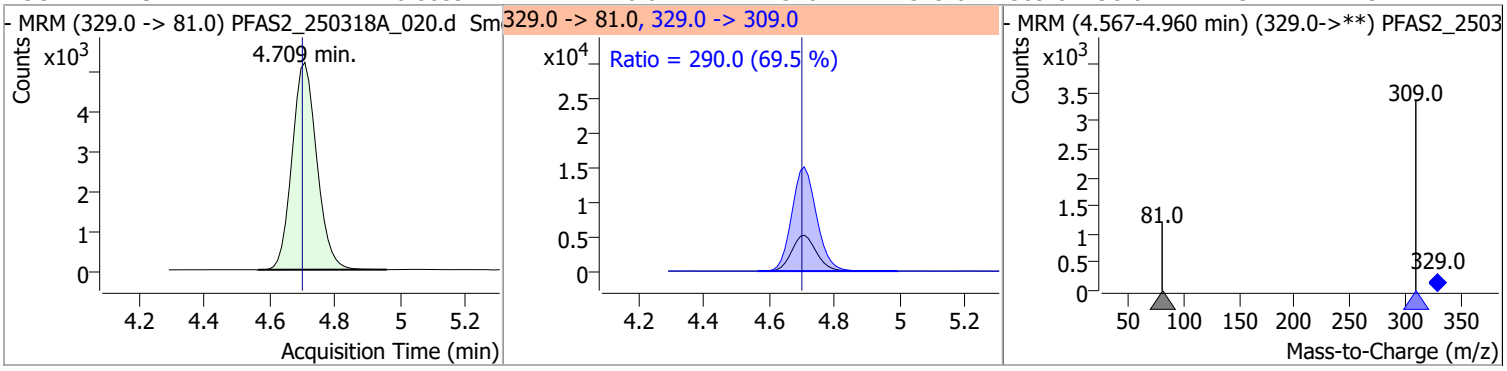
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



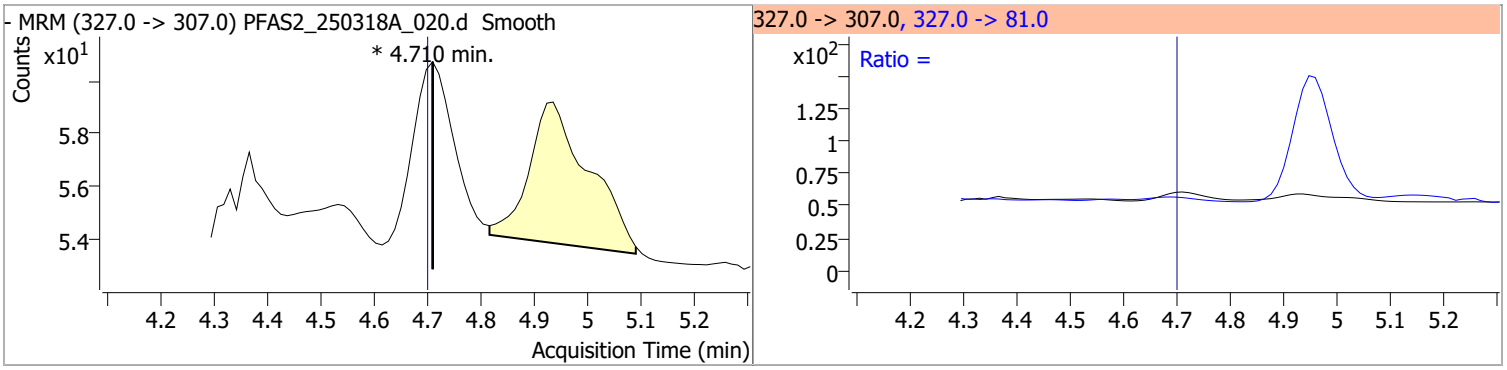
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				



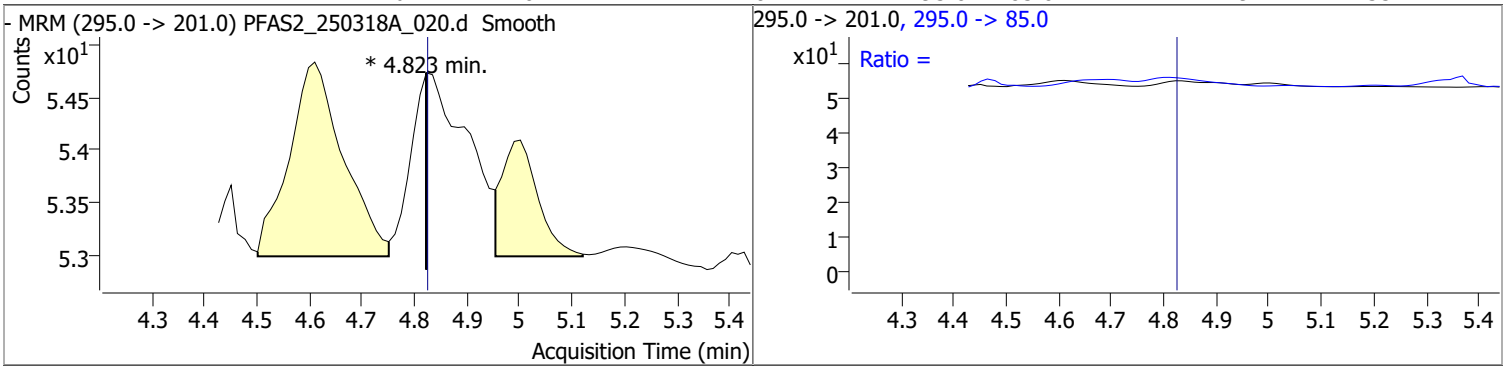
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0039	4.71	0.01	27378	329.0 -> 309.0	290.0	292.1	542.4



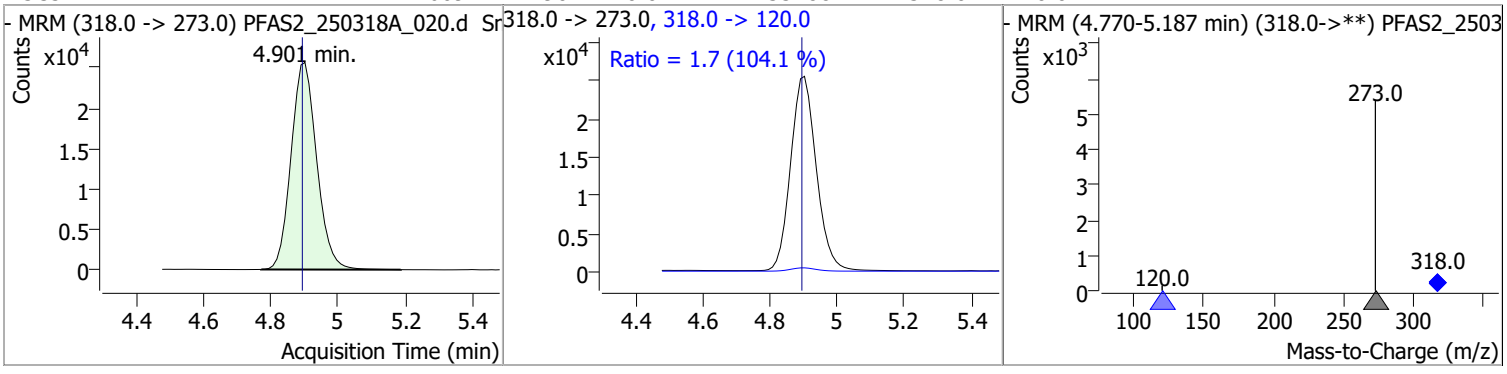
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



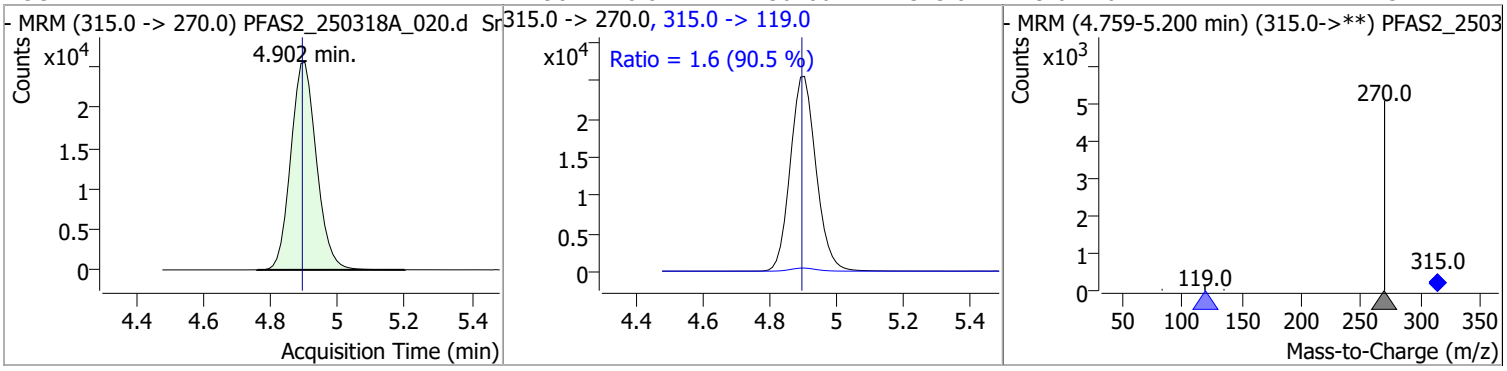
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



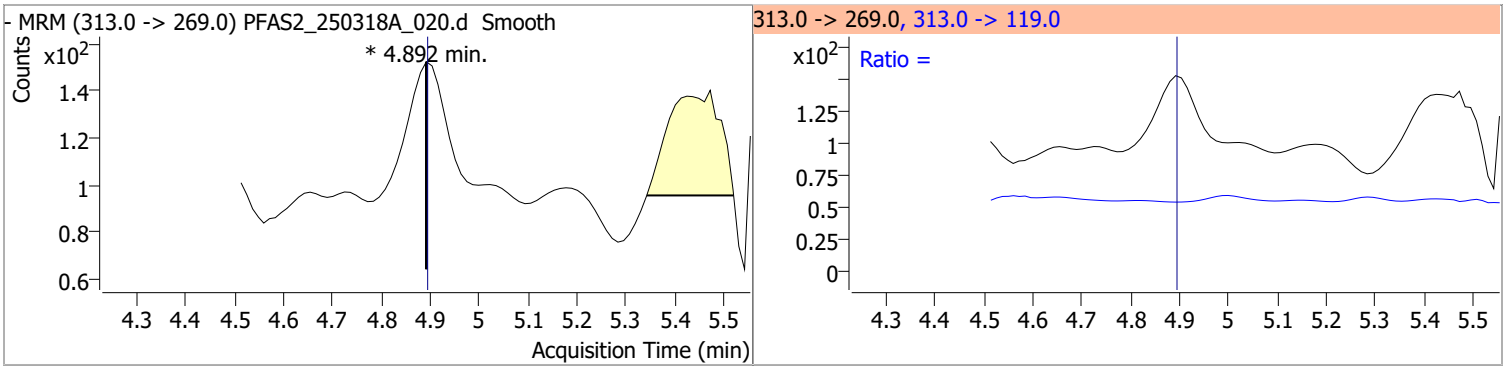
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2609	4.90	0.01	135488	318.0 -> 120.0	1.7	1.1	2.1



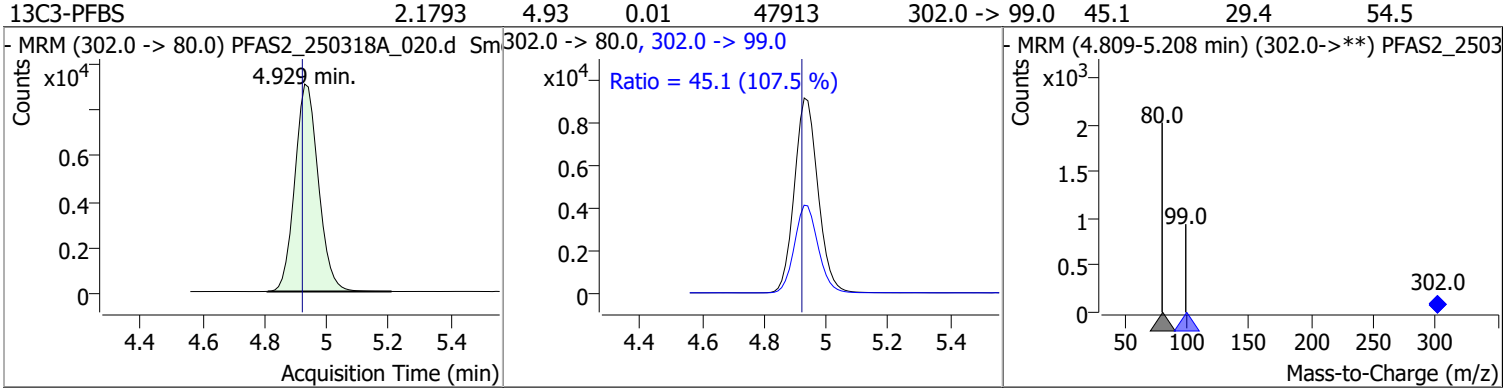
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	136106	315.0 -> 119.0	1.6	1.2	2.3



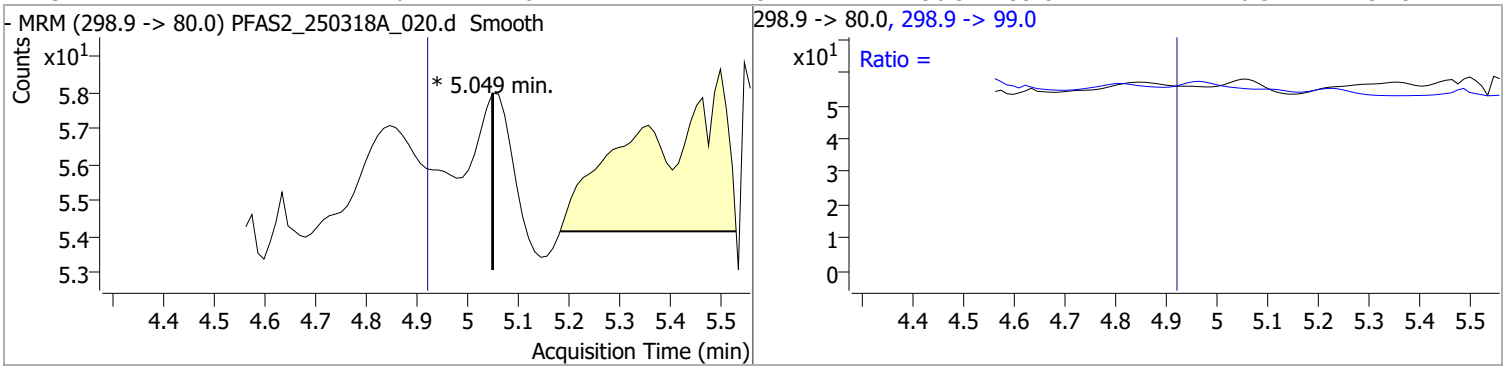
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



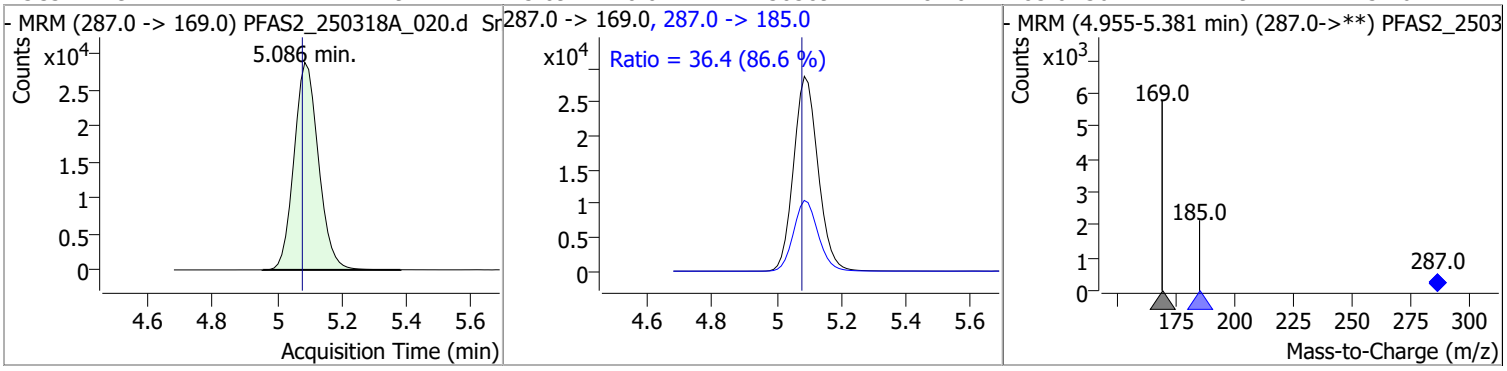
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1793	4.93	0.01	47913	302.0 -> 99.0	45.1	29.4	54.5



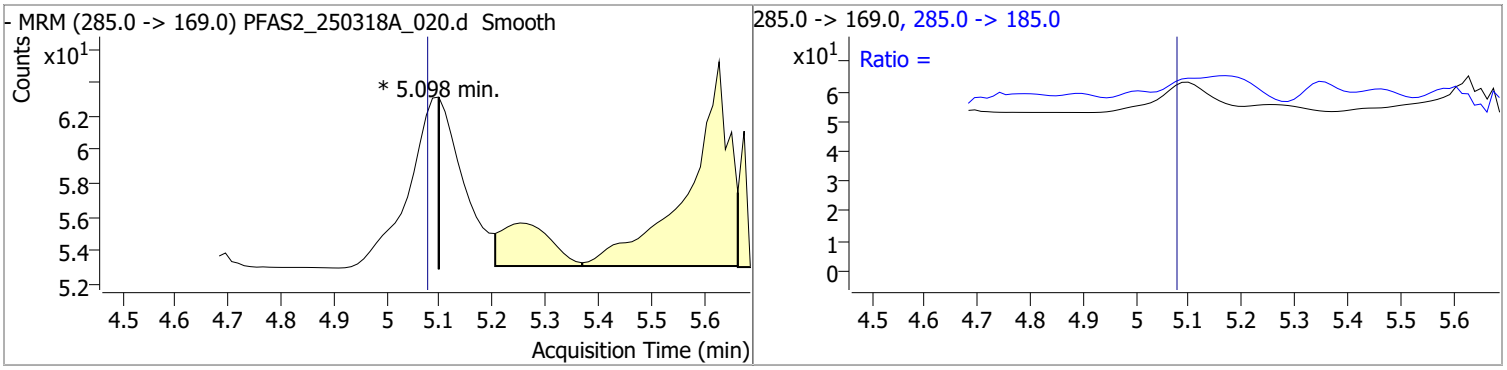
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



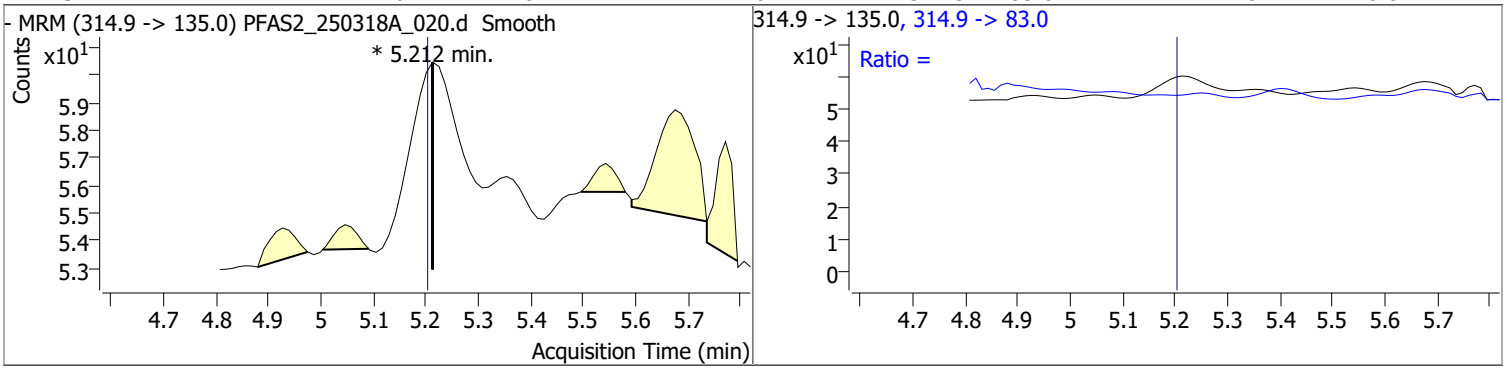
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7124	5.09	0.01	150589	287.0 -> 185.0	36.4	29.4	54.6



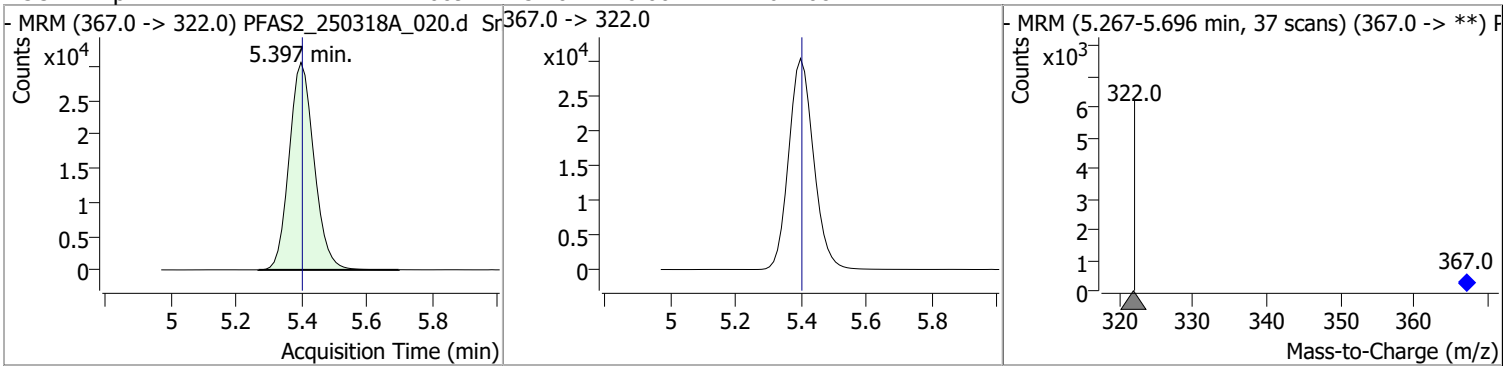
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



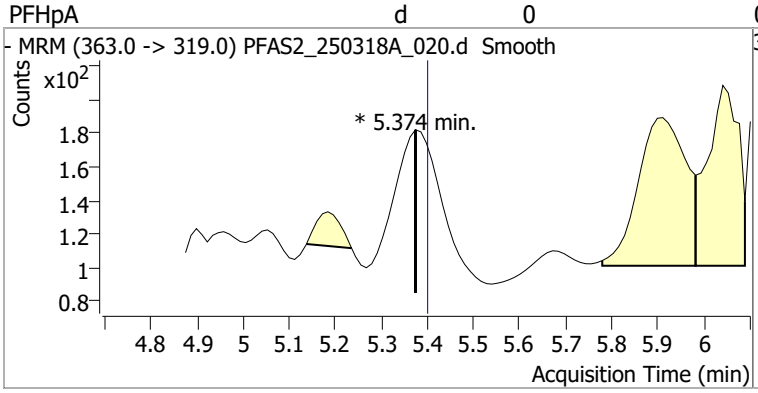
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

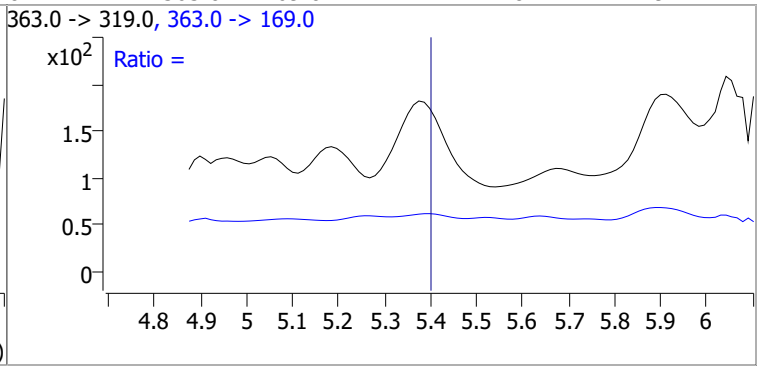


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4089	5.40	0.00	161408				

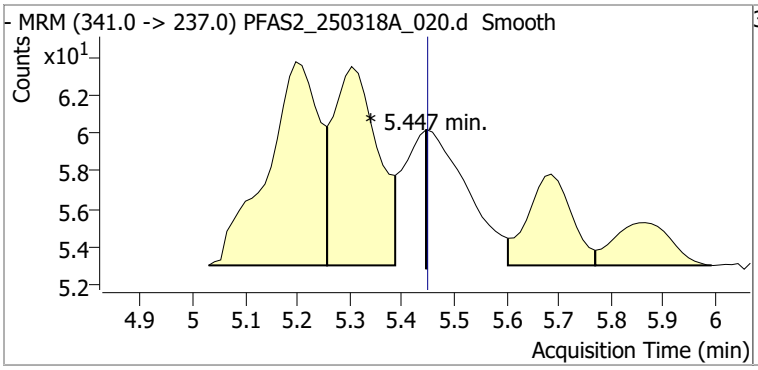


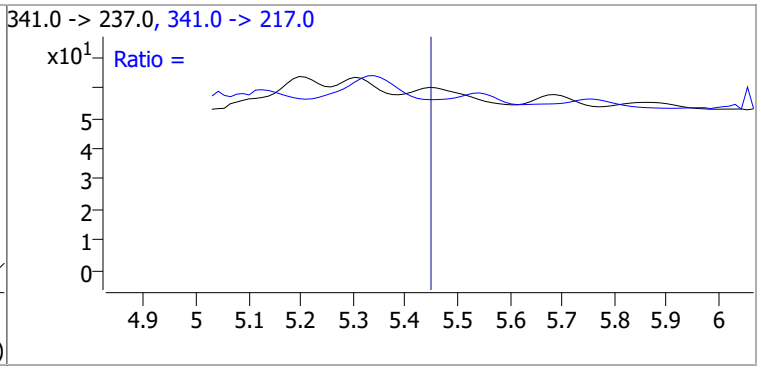
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



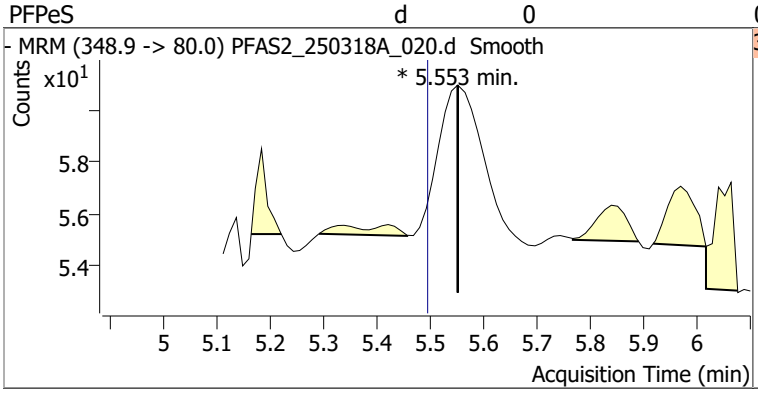


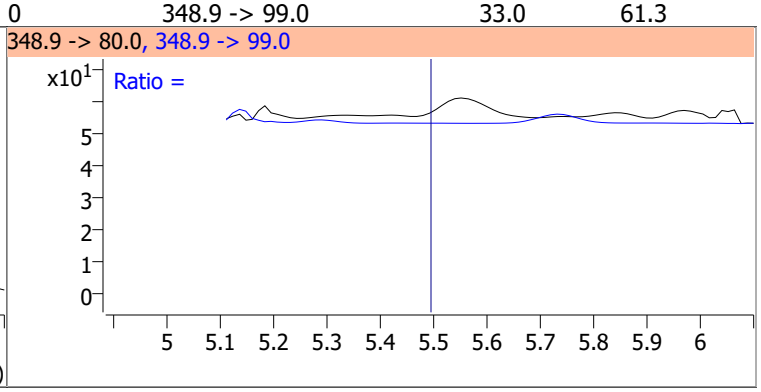
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



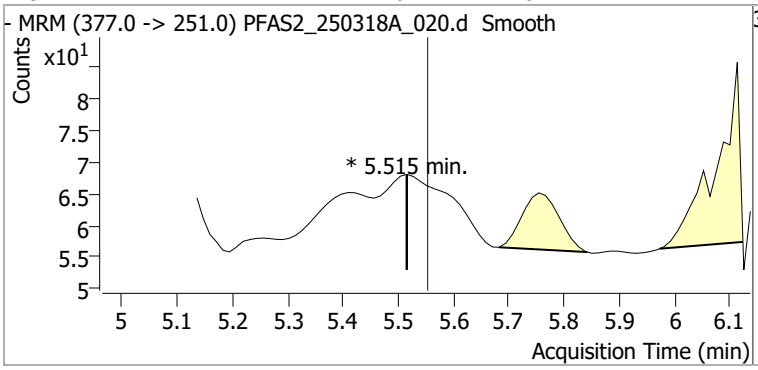


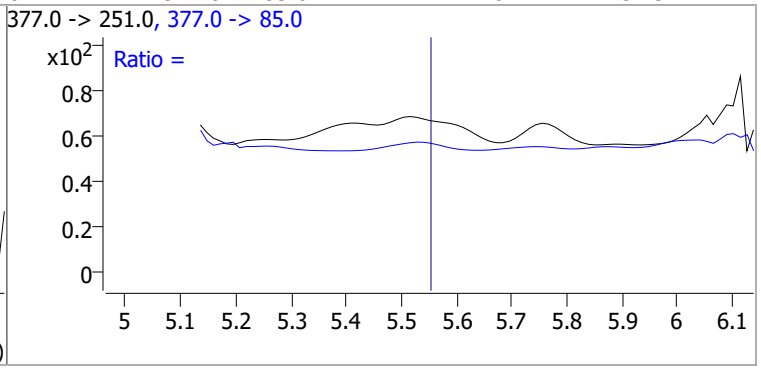
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



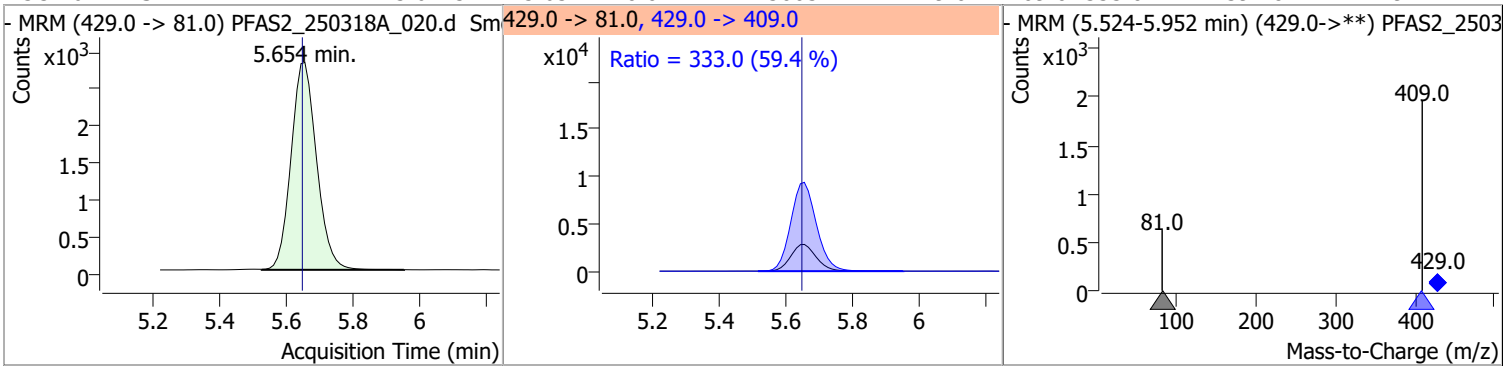


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

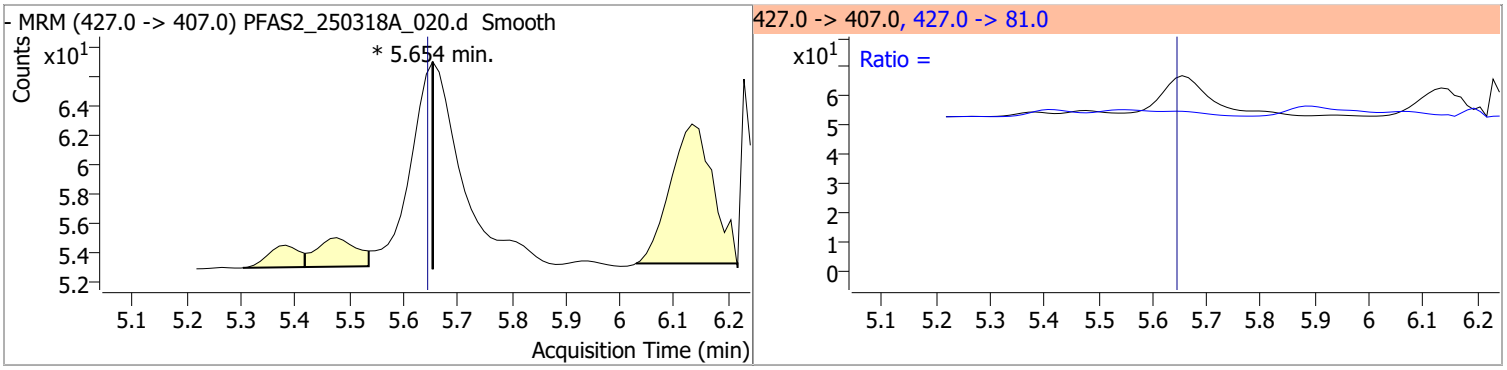




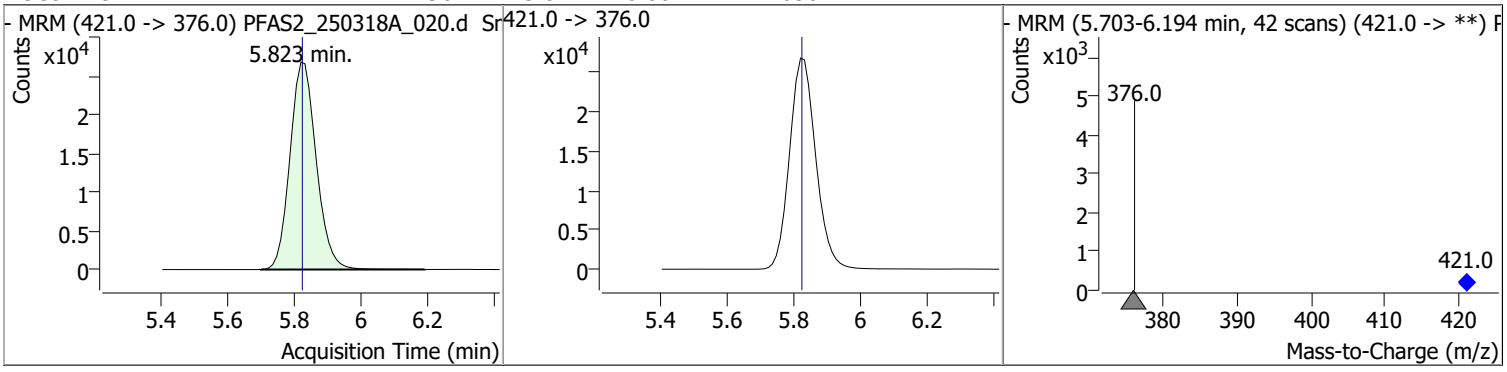
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6115	5.65	0.01	15003	429.0 -> 409.0	333.0	392.8	729.4



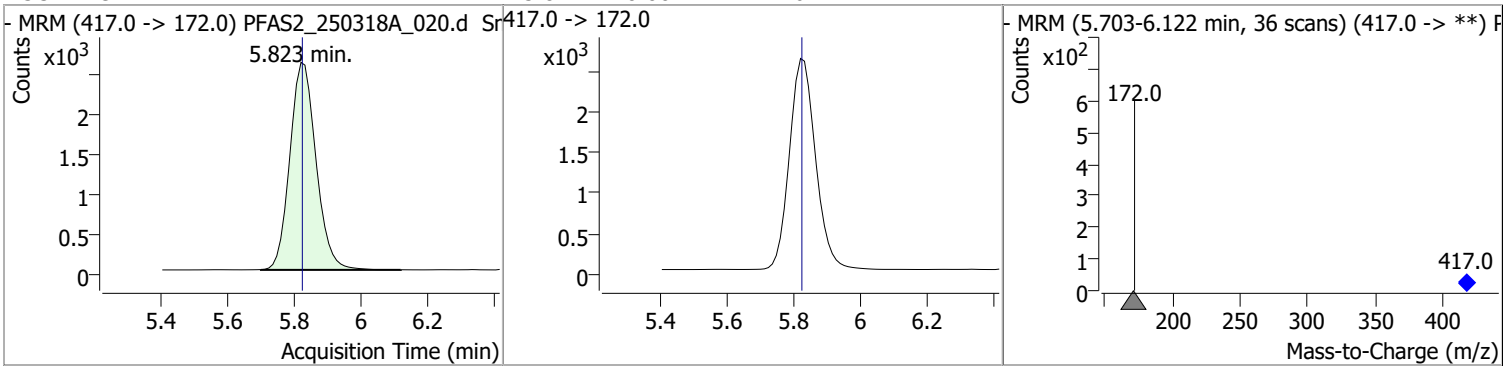
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



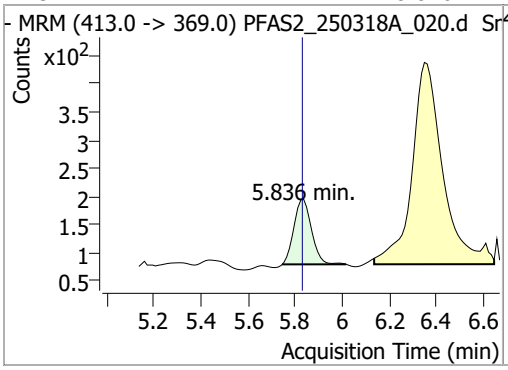
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2967	5.82	0.00	146507				

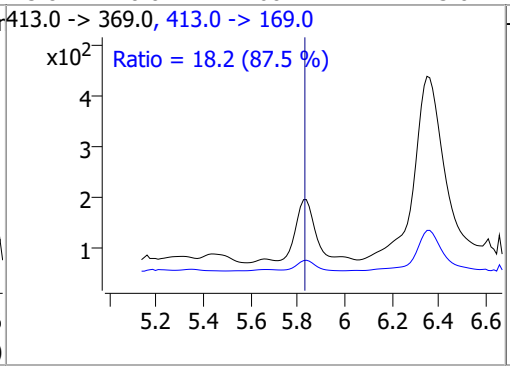


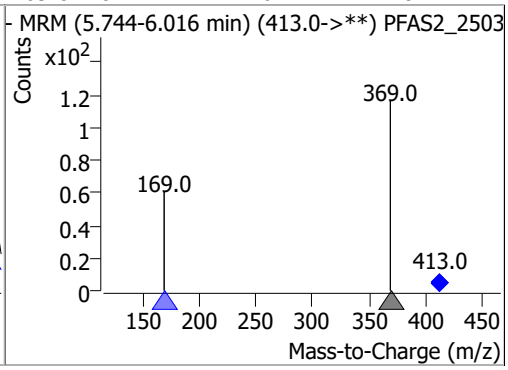
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14264				



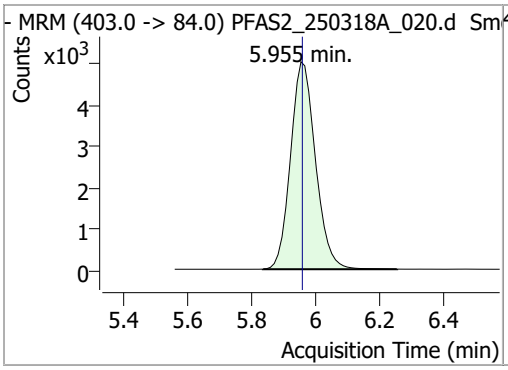
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0467	5.84	0.01	602	413.0 -> 169.0	18.2	14.6	27.0

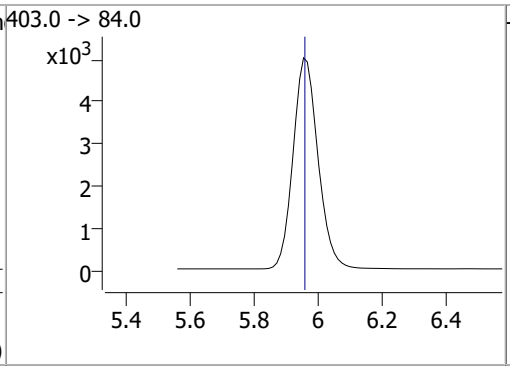


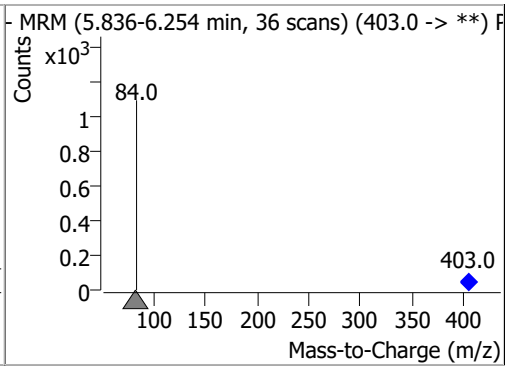




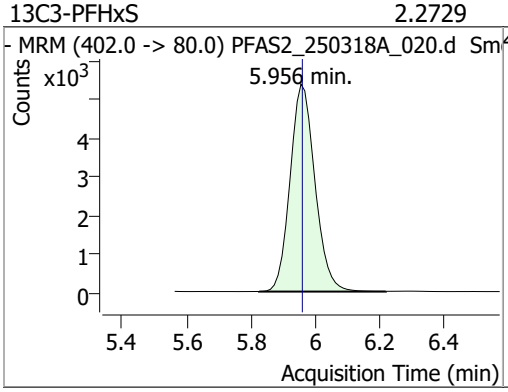
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26848				

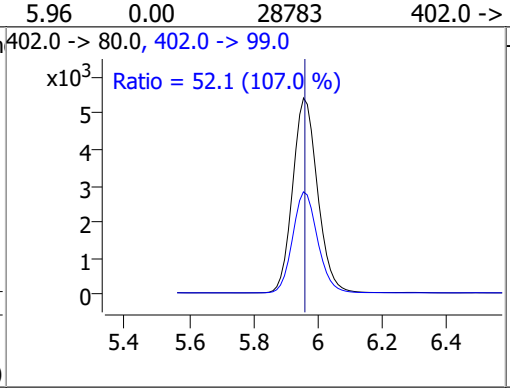


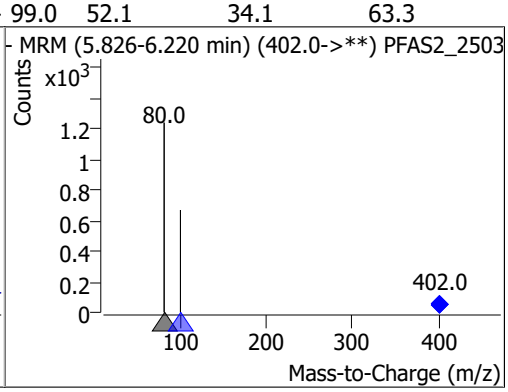




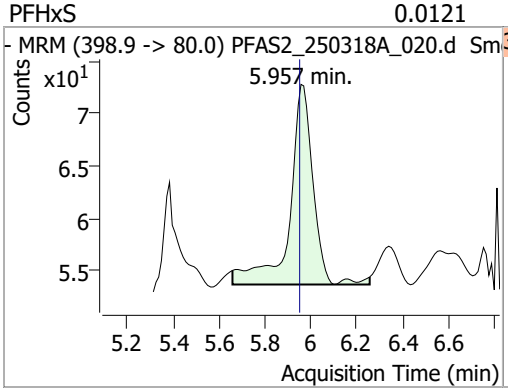
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2729	5.96	0.00	28783	402.0 -> 99.0	52.1	34.1	63.3

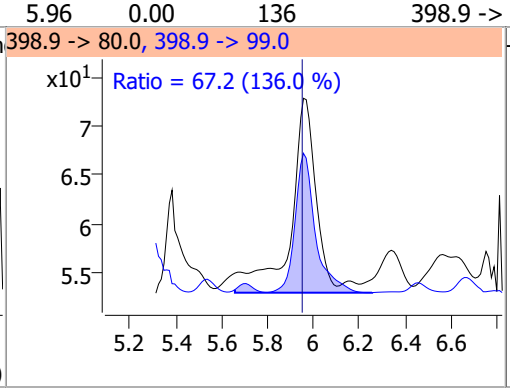


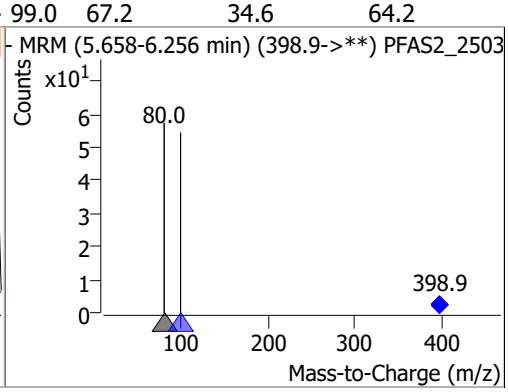




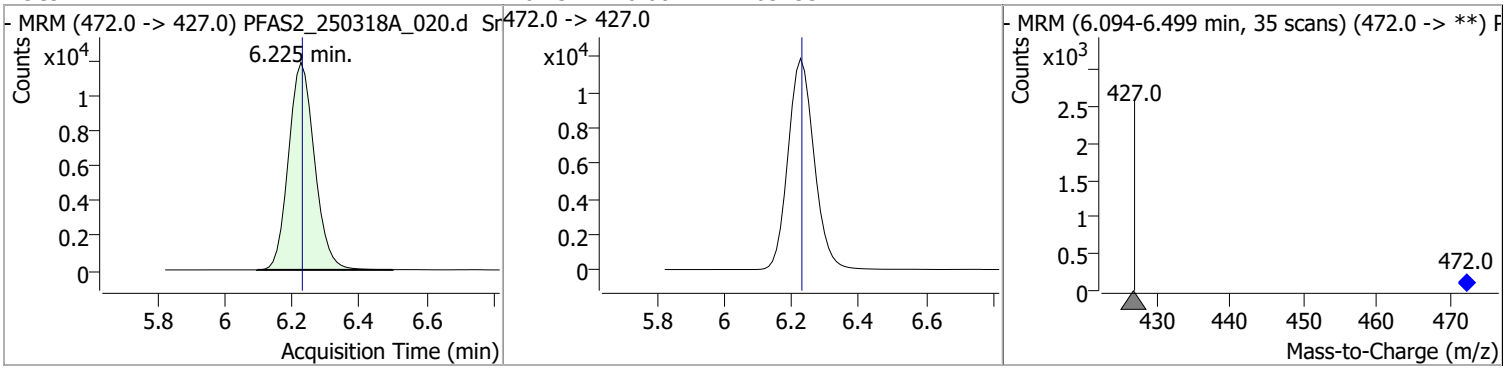
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0121	5.96	0.00	136	398.9 -> 99.0	67.2	34.6	64.2



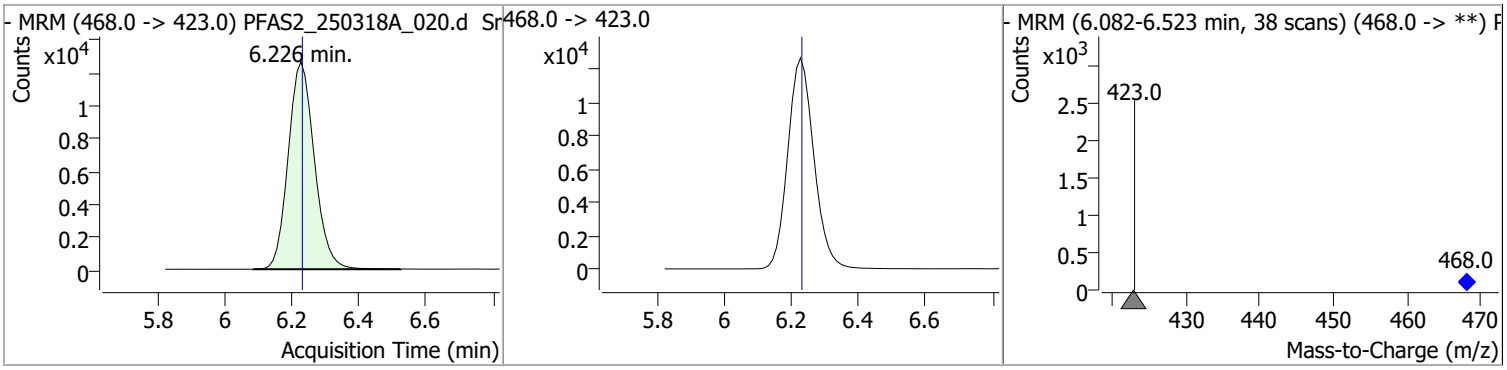




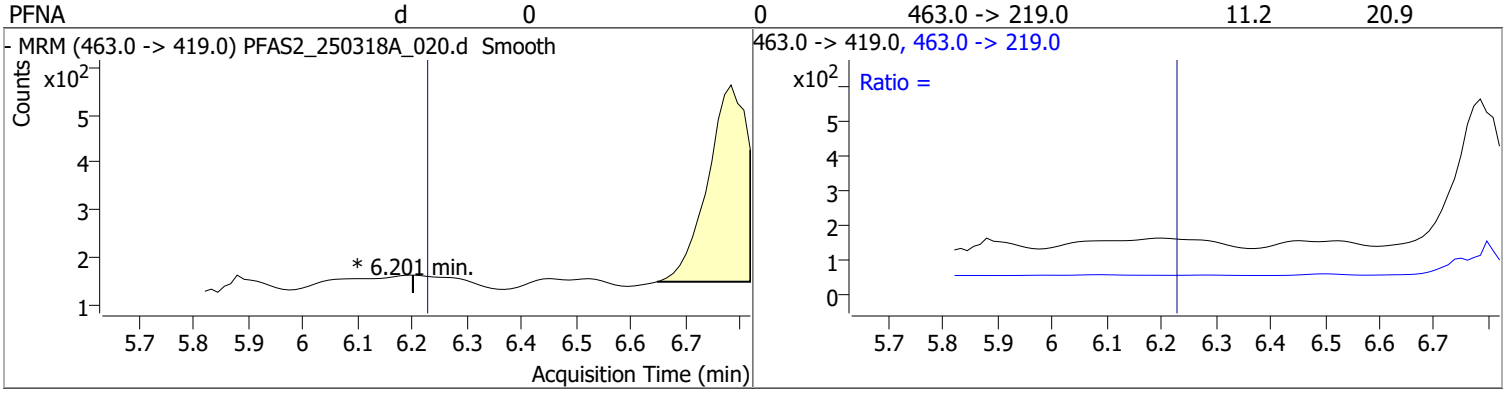
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1744	6.23	0.00	63755				



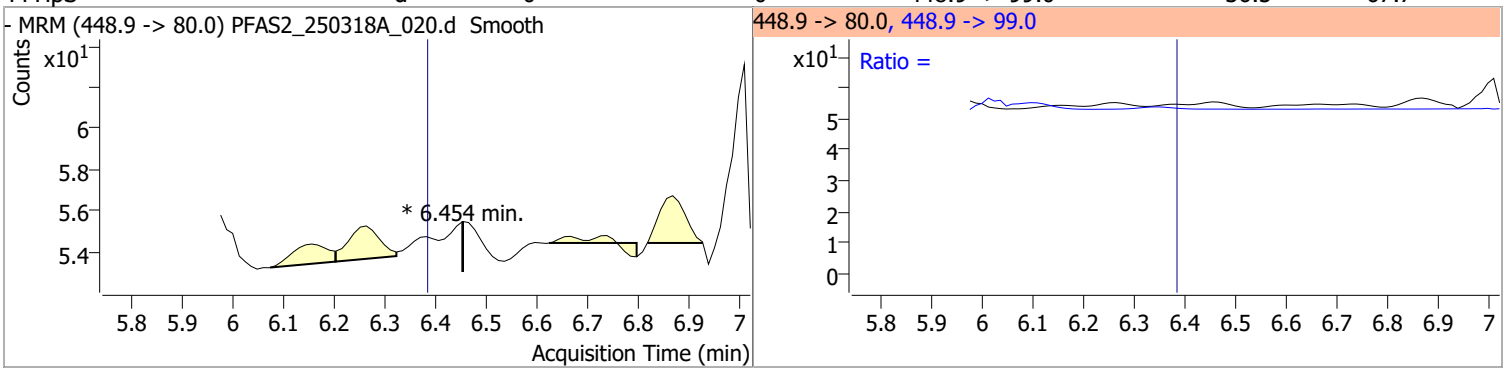
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68513				



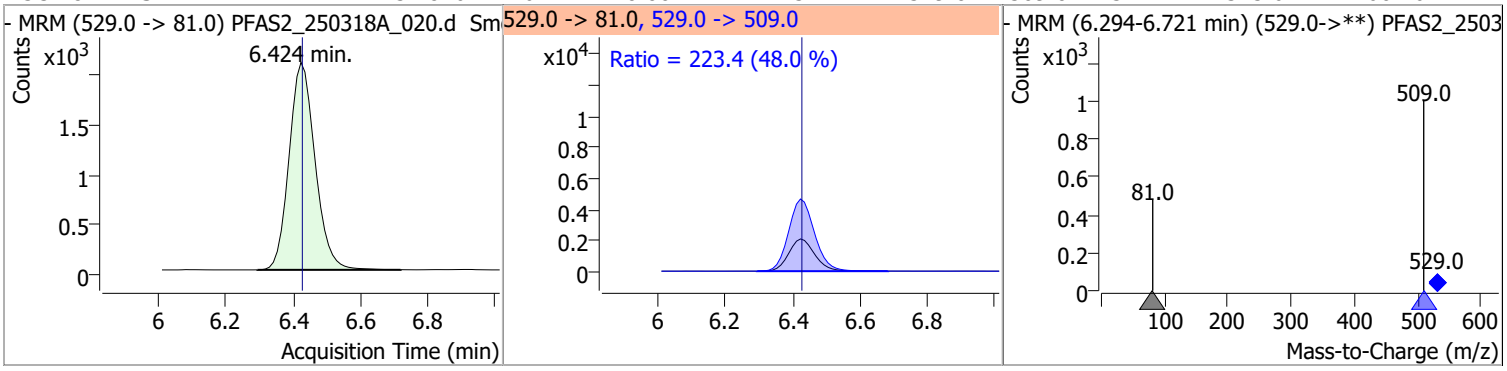
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



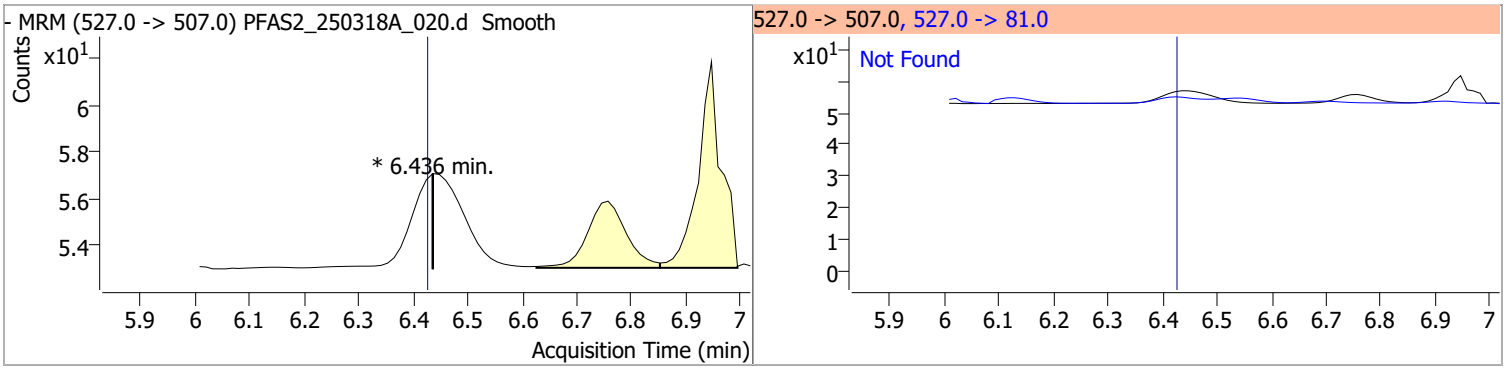
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



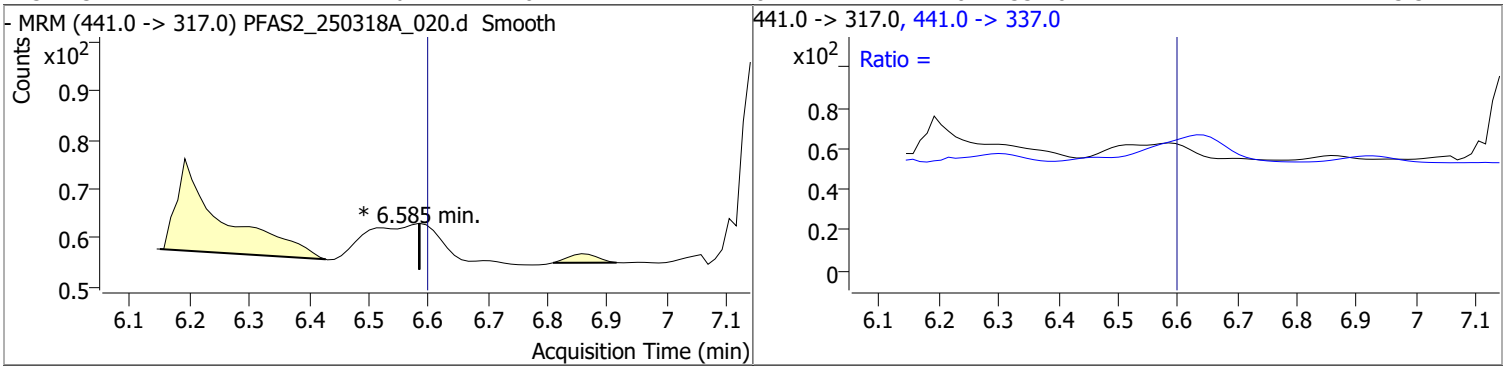
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1876	6.42	0.00	11151	529.0 -> 509.0	223.4	325.6	604.6



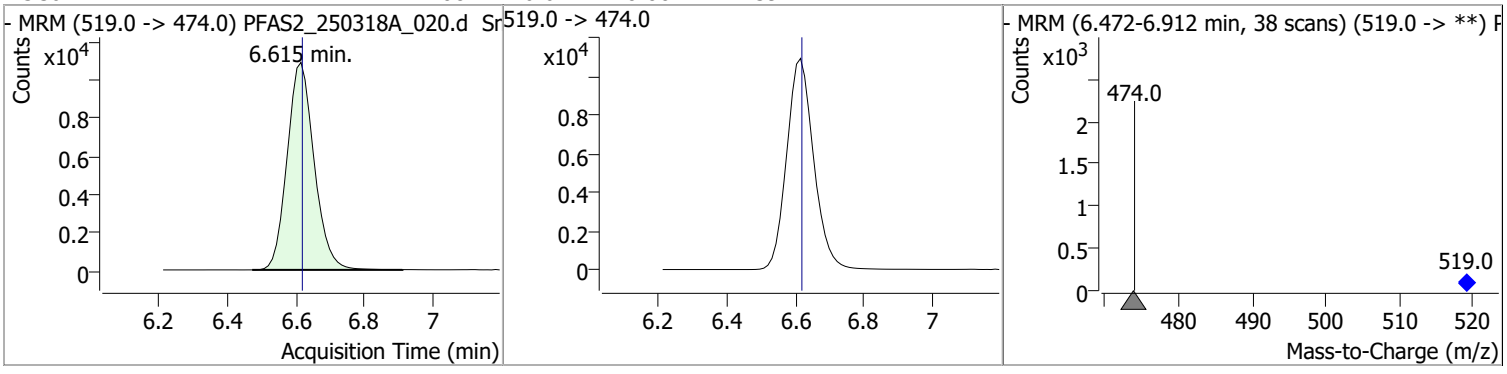
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



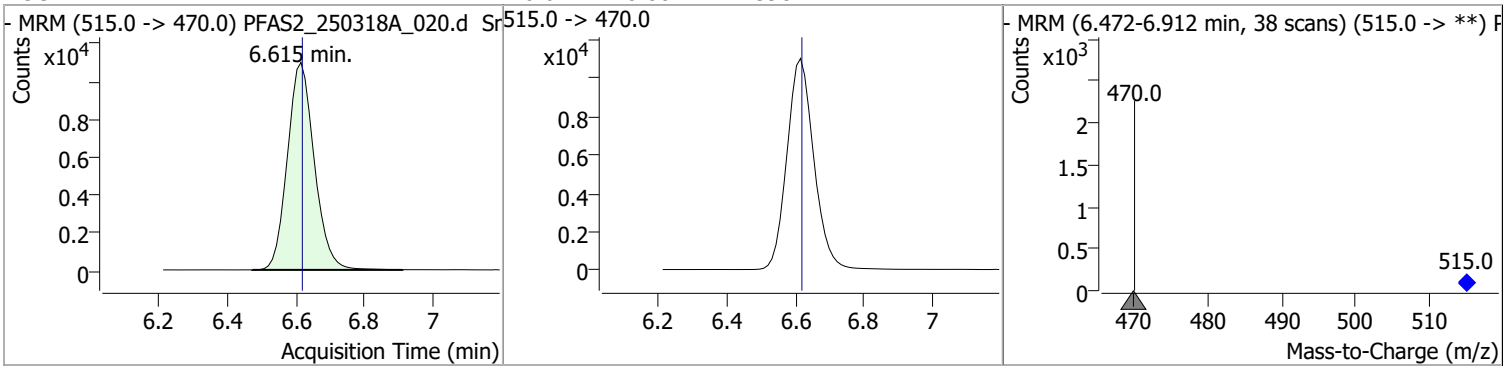
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



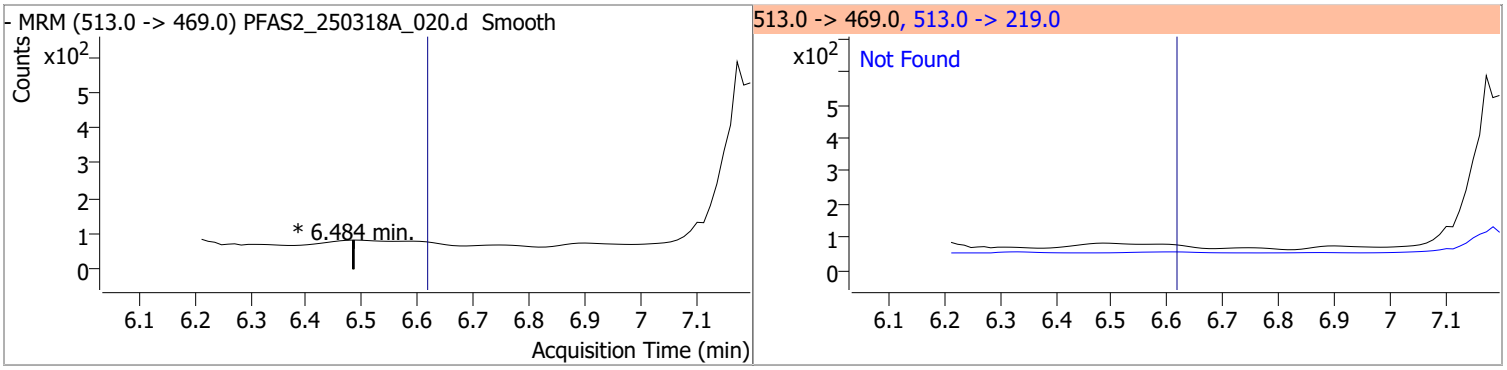
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2208	6.61	0.00	59447				



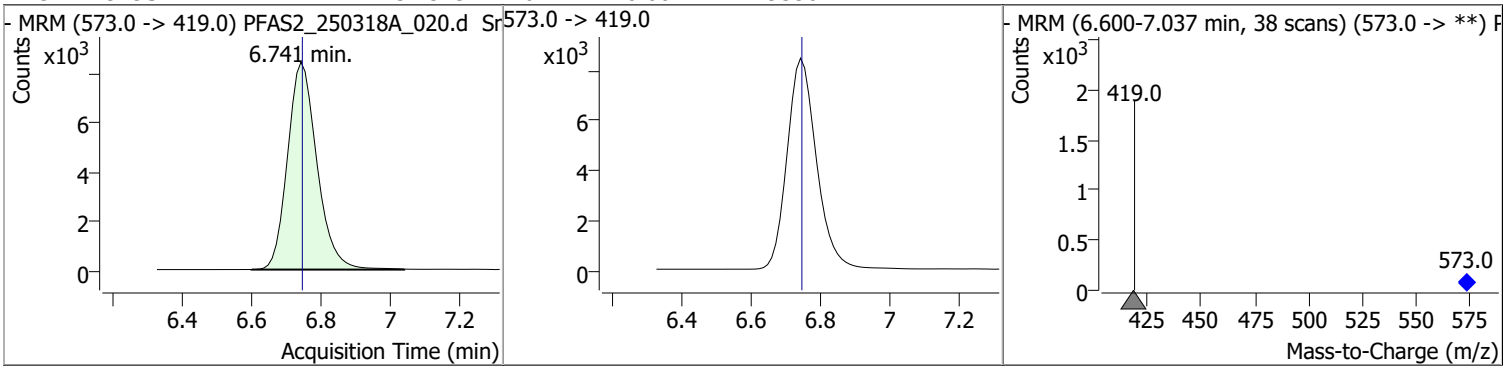
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	59842				



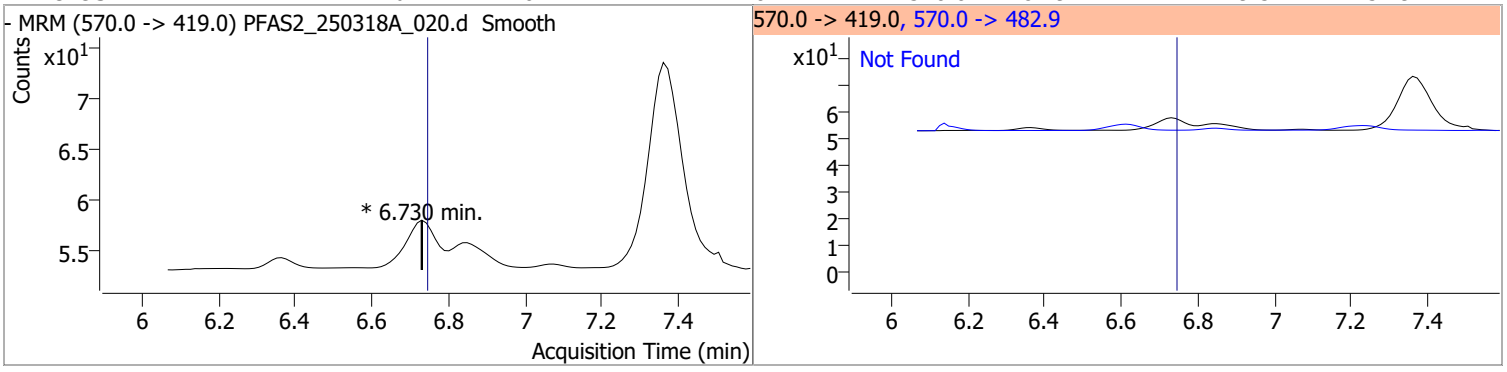
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



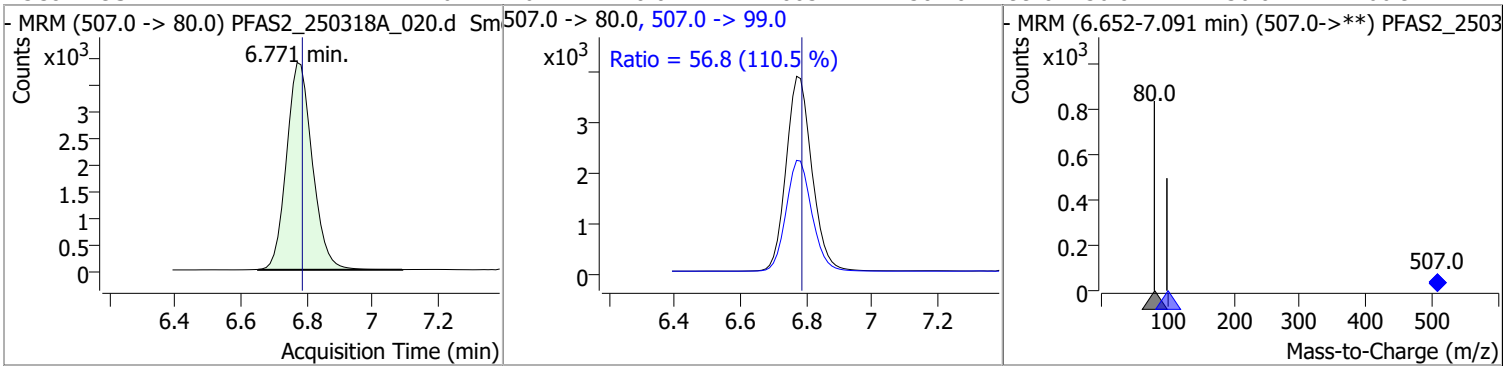
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1575	6.74	0.00	49358				



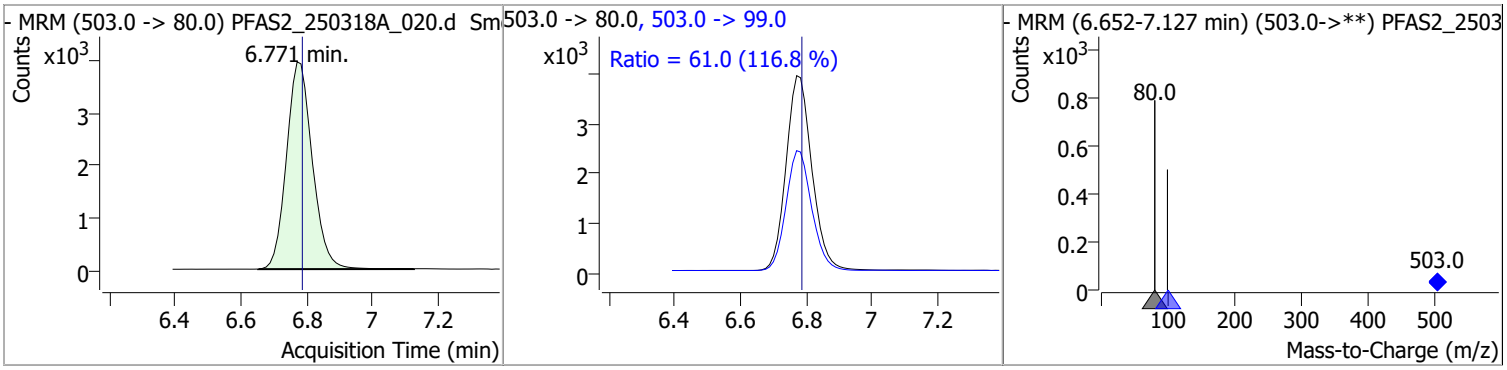
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



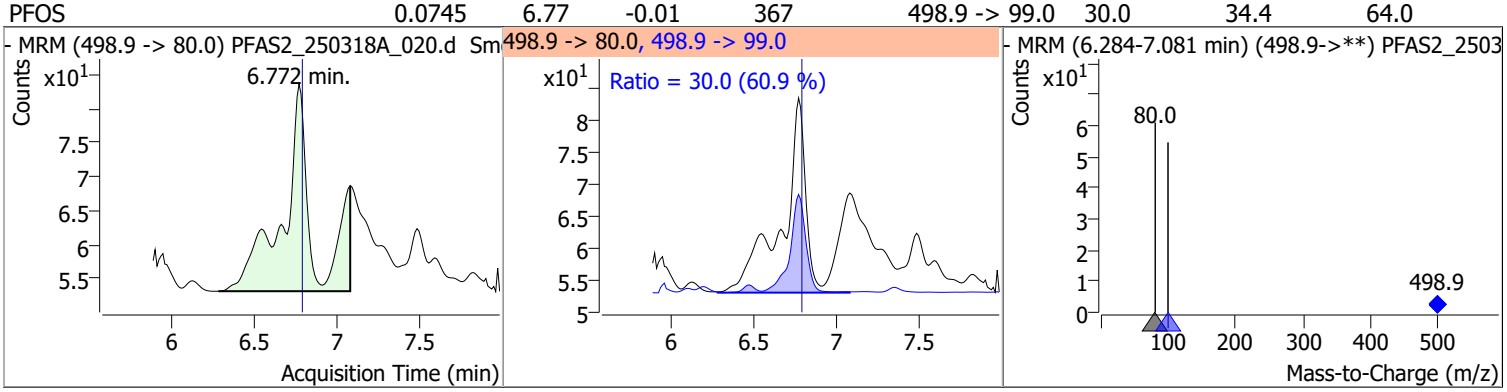
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4262	6.77	-0.01	21003	507.0 -> 99.0	56.8	36.0	66.9



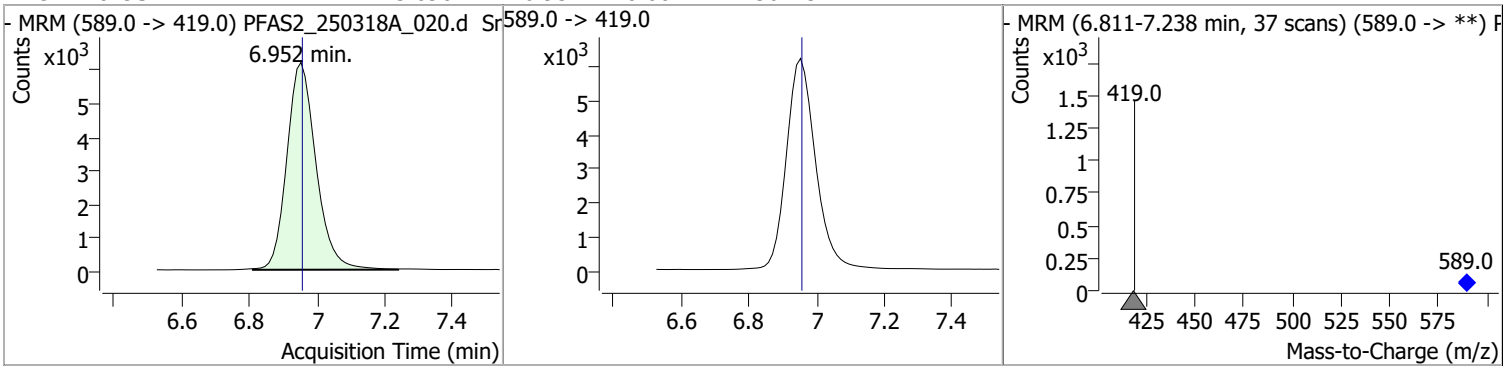
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21329	503.0 -> 99.0	61.0	36.6	67.9



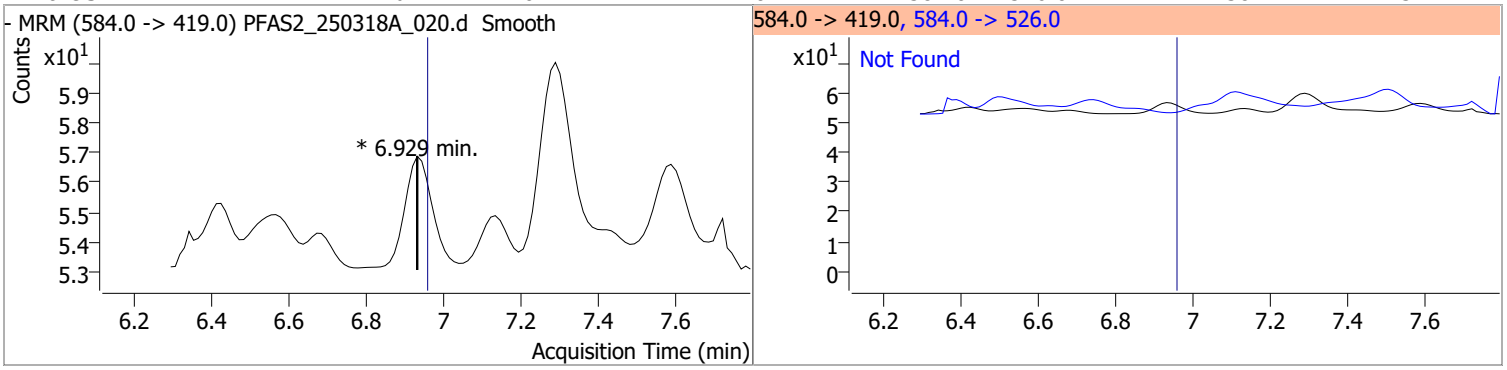
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0745	6.77	-0.01	367	498.9 -> 99.0	30.0	34.4	64.0



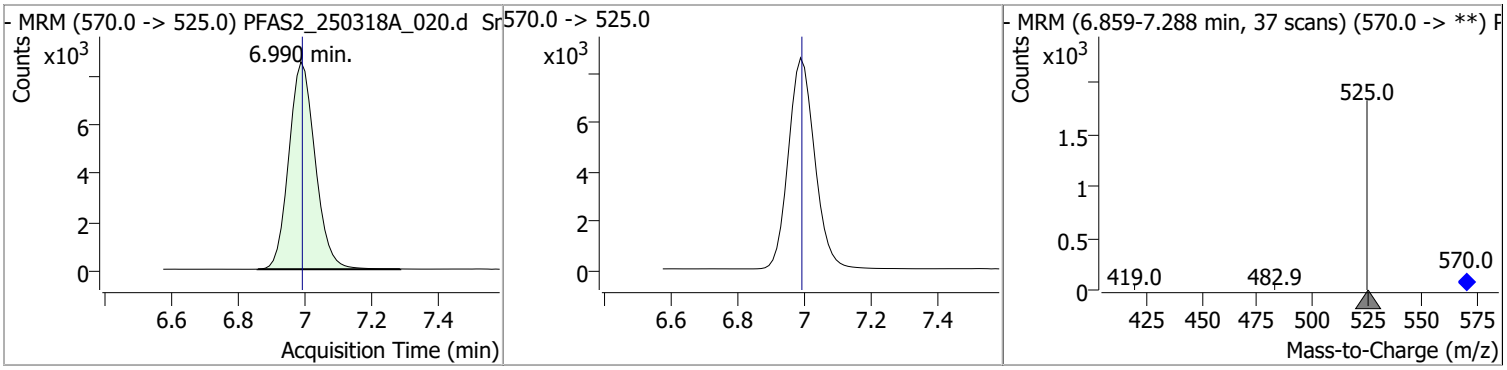
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0904	6.95	0.00	36779				



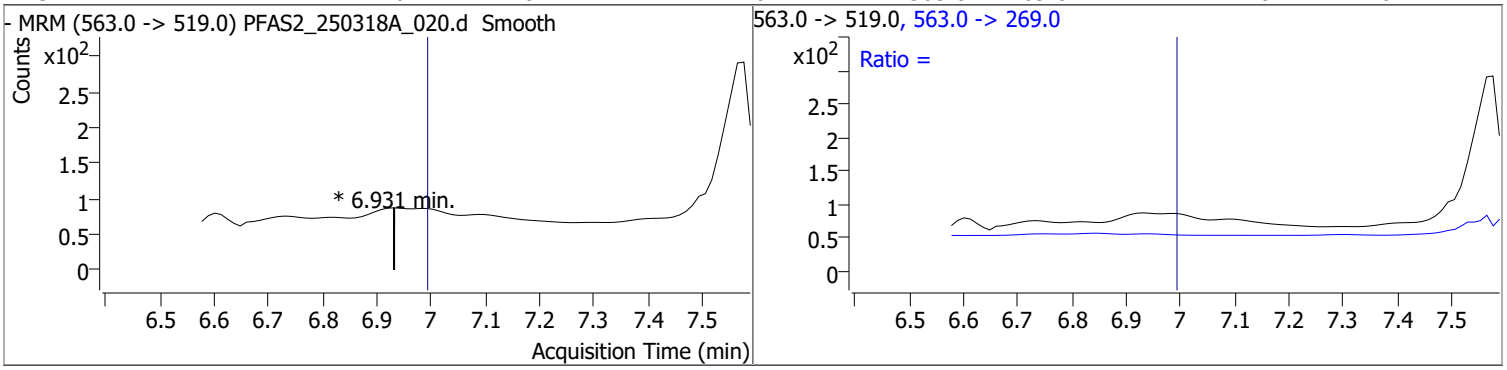
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



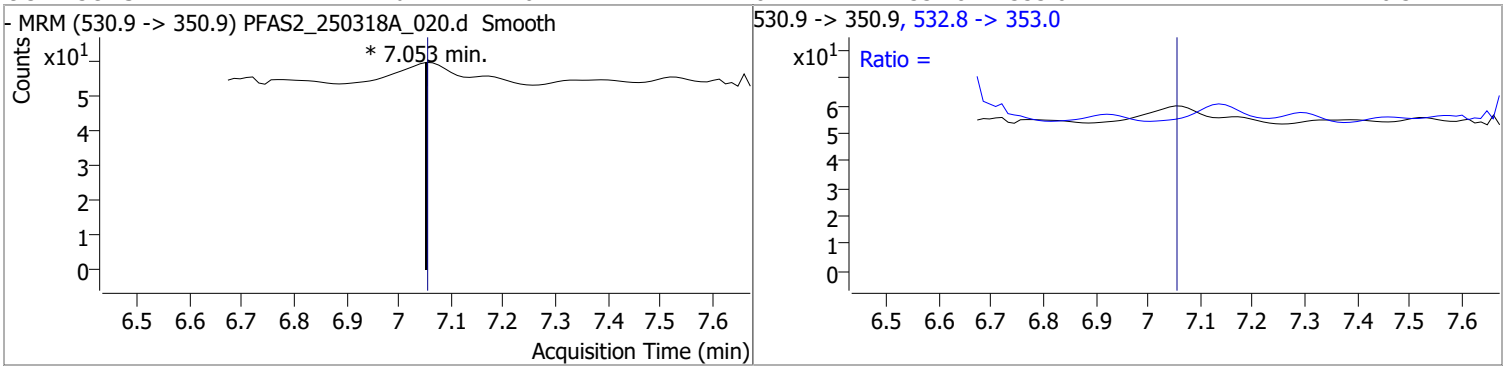
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2255	6.99	0.00	47032				



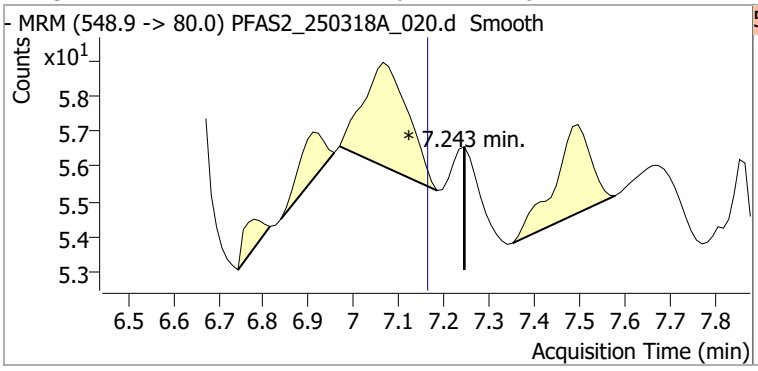
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4

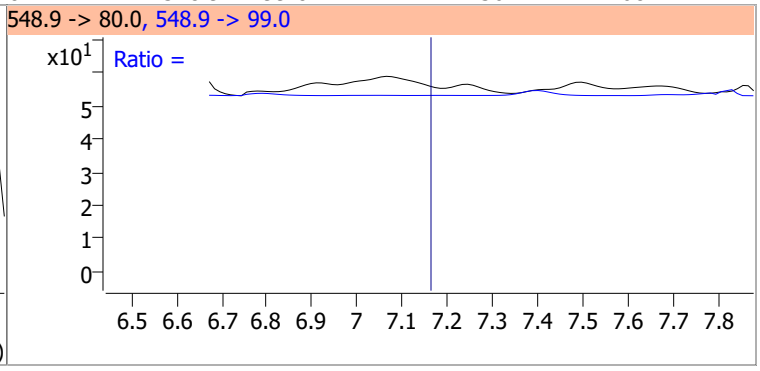


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

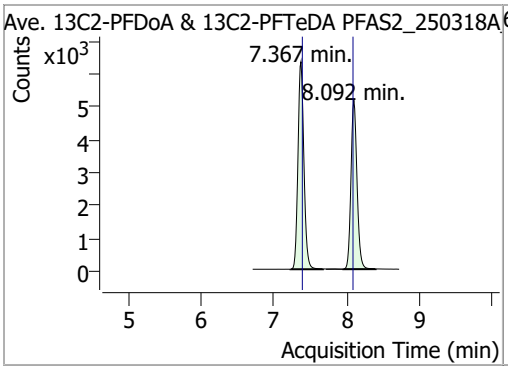


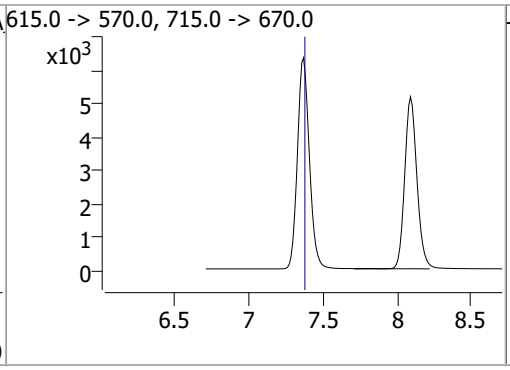
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

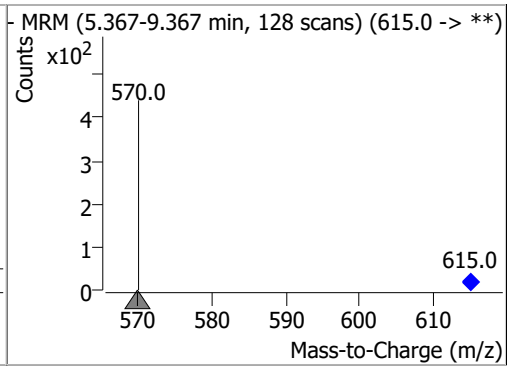




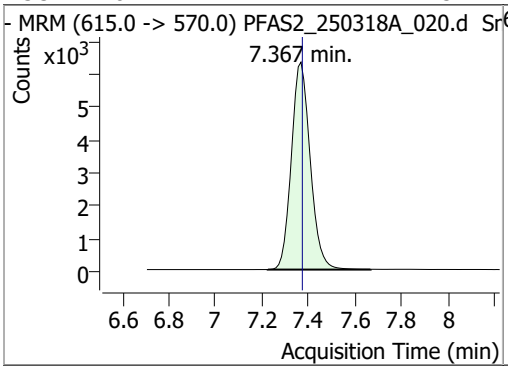
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0326	7.73	0.36	32664				

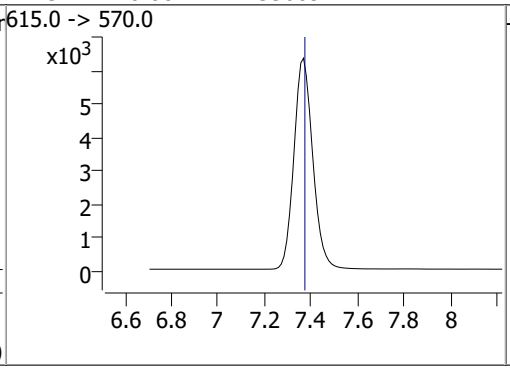


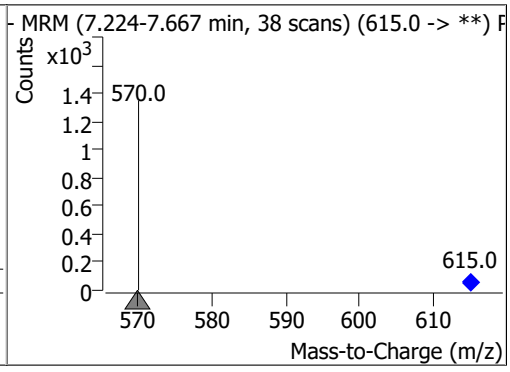




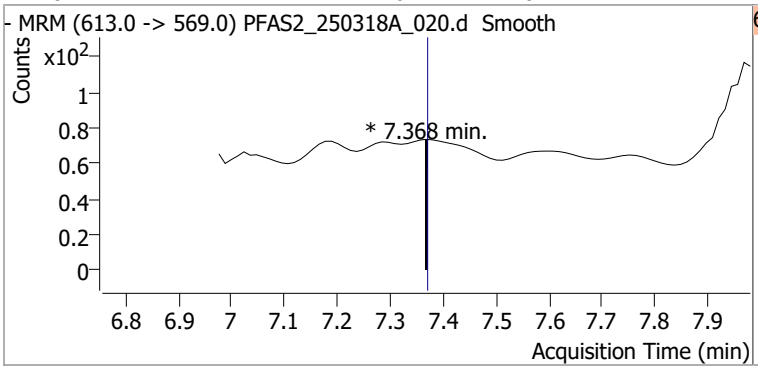
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2454	7.37	0.00	35609				

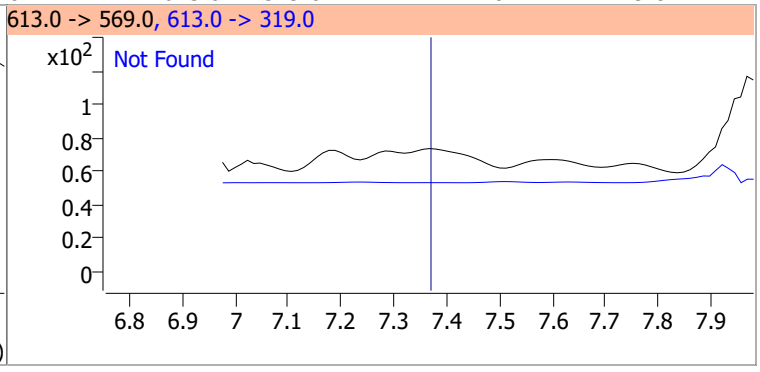




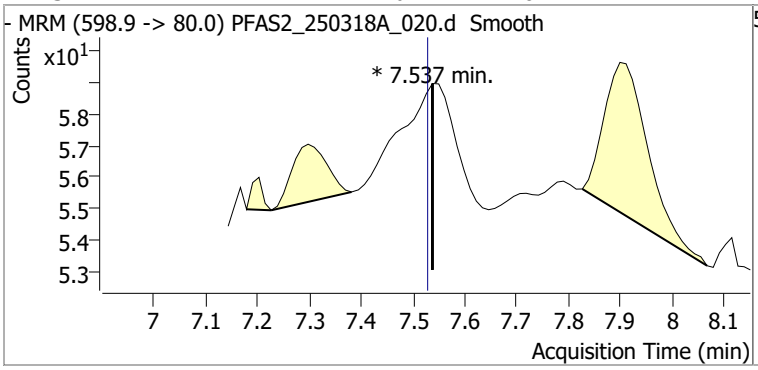


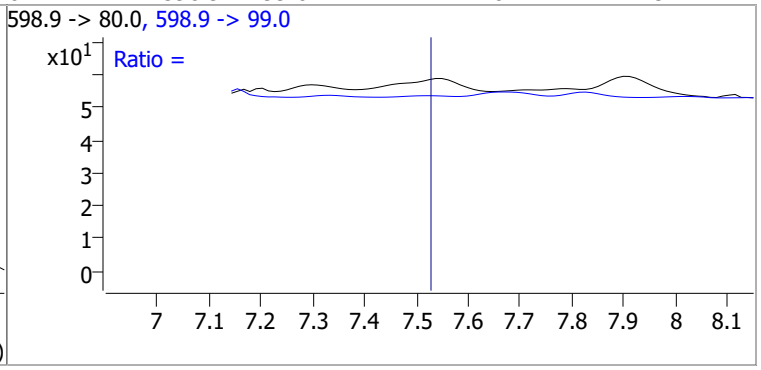
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



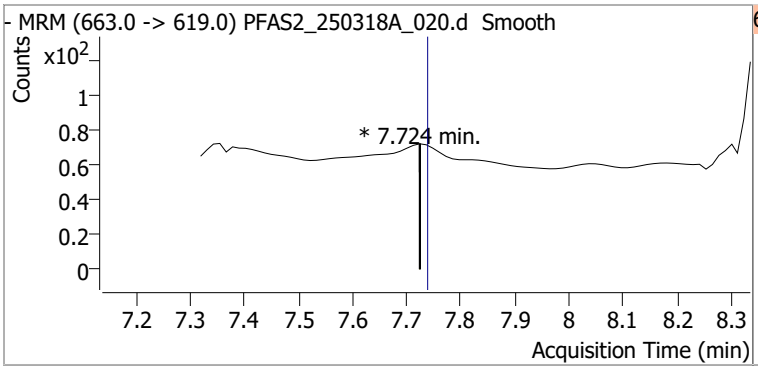


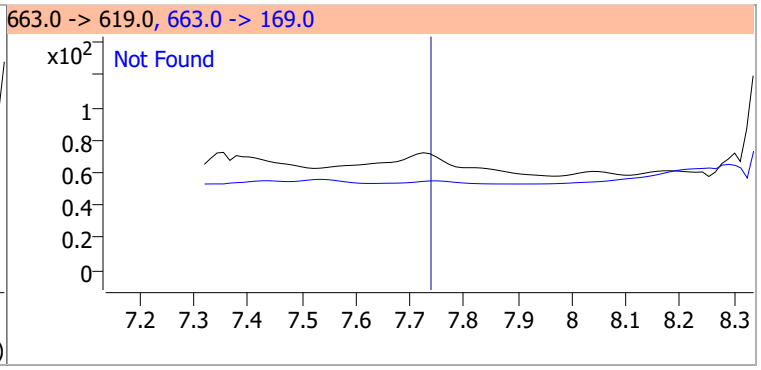
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



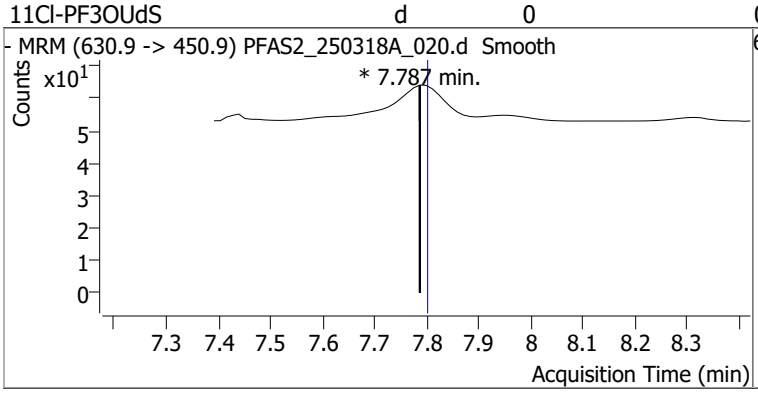


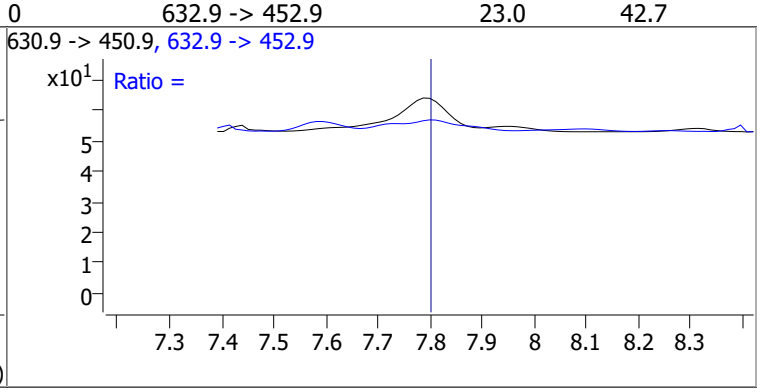
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



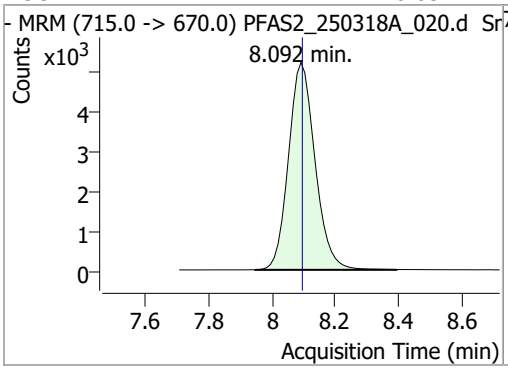


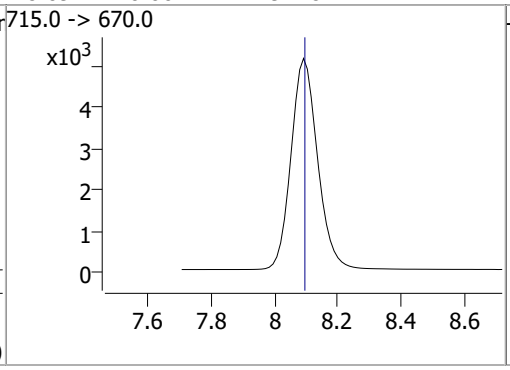
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

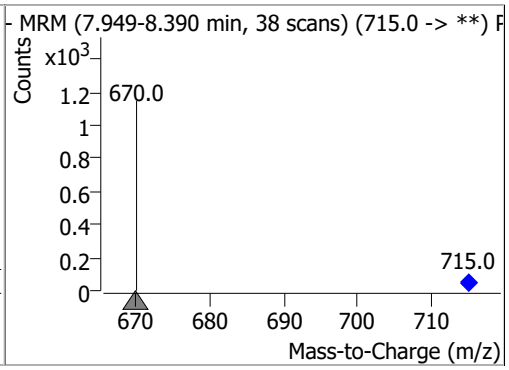




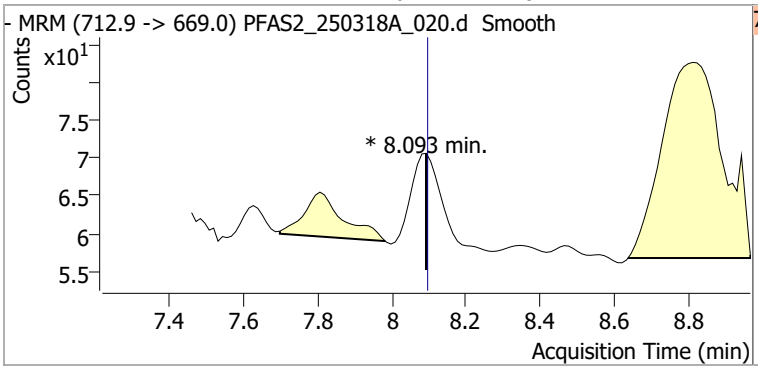
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8572	8.09	0.00	29718				

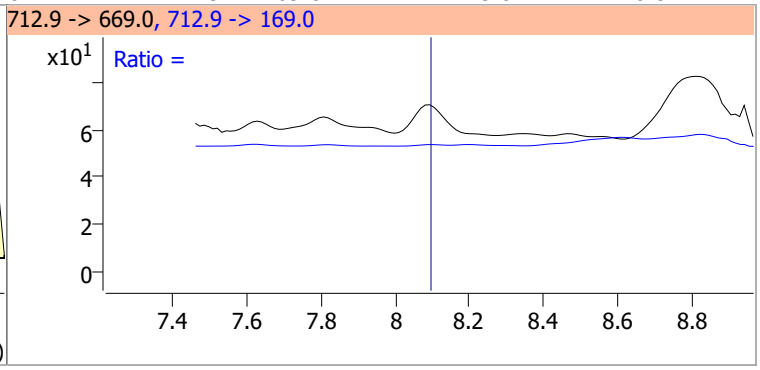




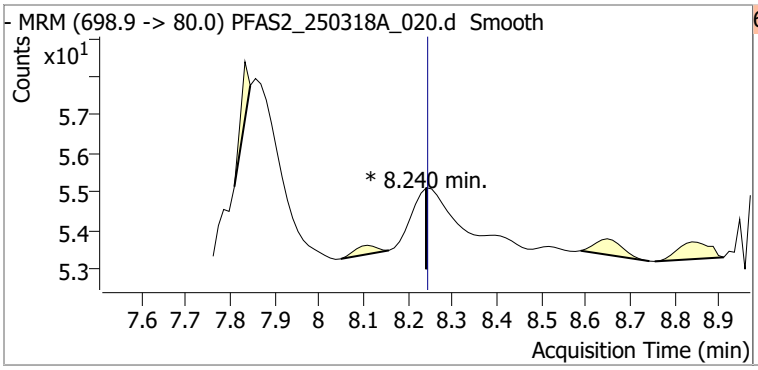


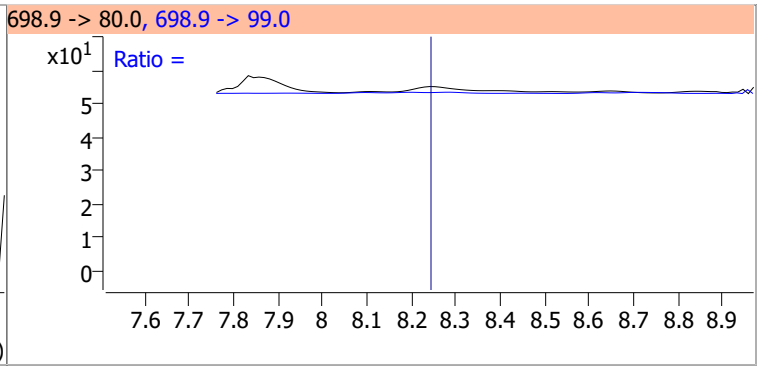
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



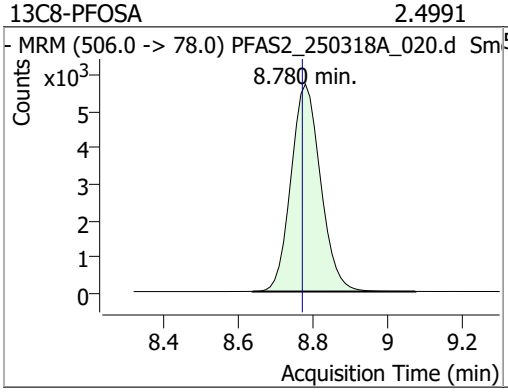


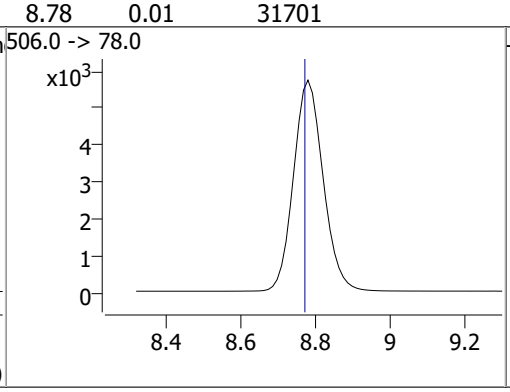
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

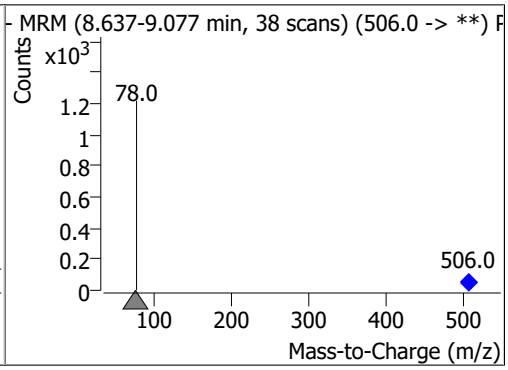




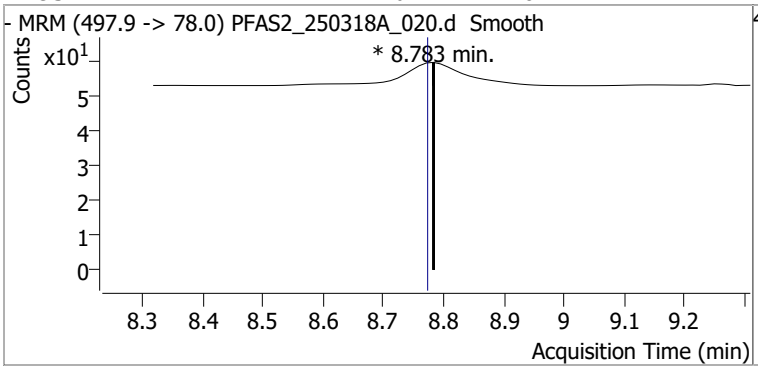
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4991	8.78	0.01	31701				

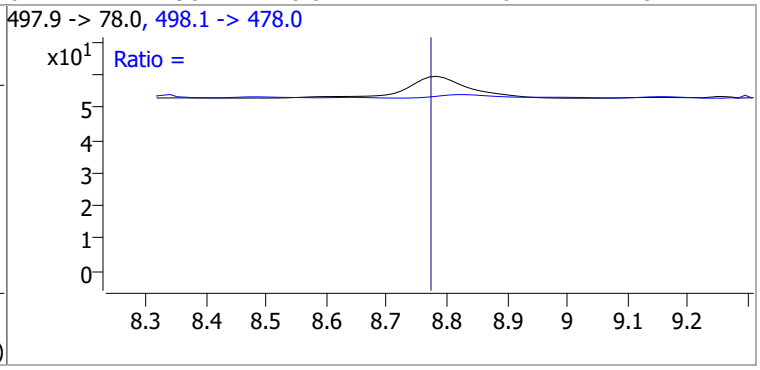




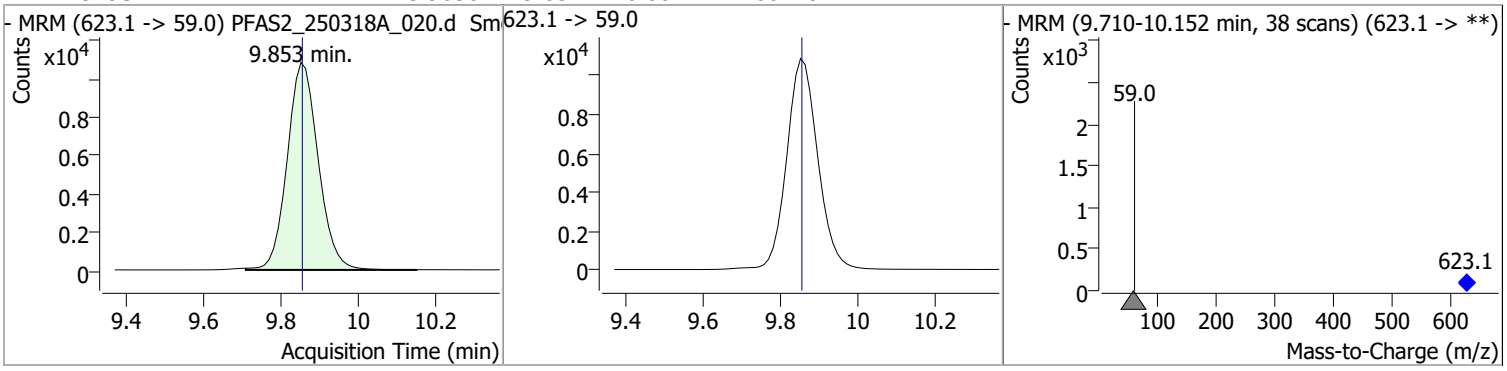


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

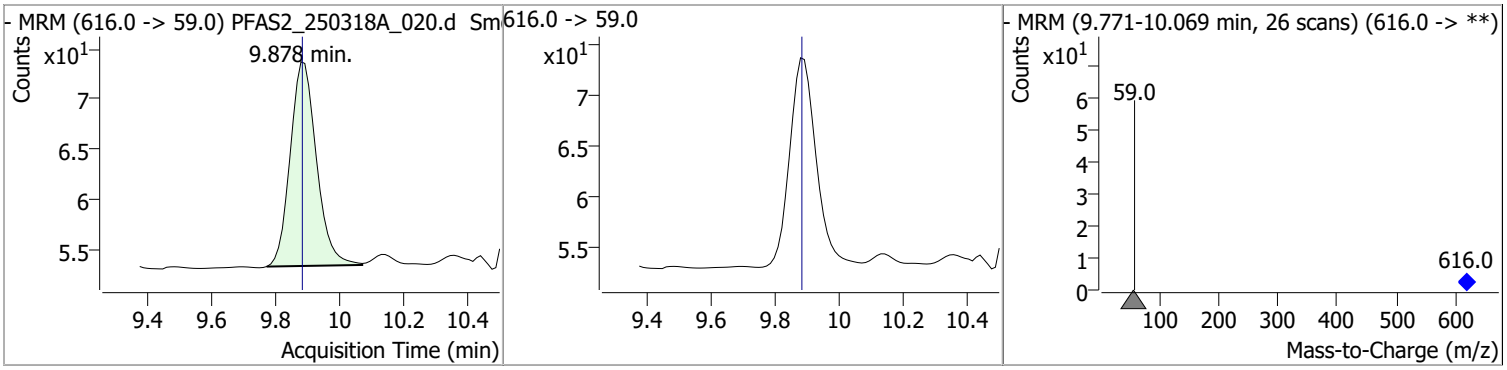




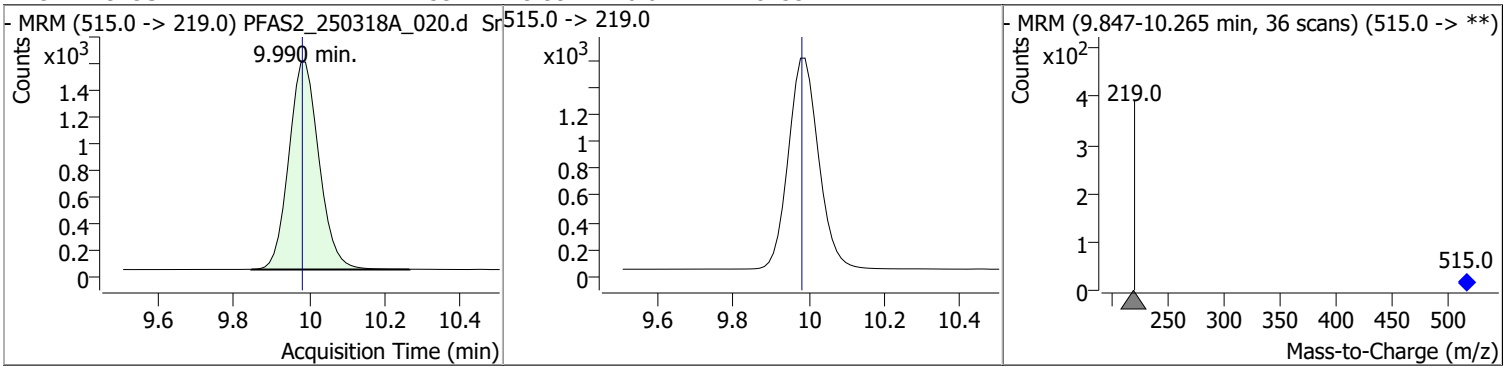
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.9858	9.85	0.00	60140				



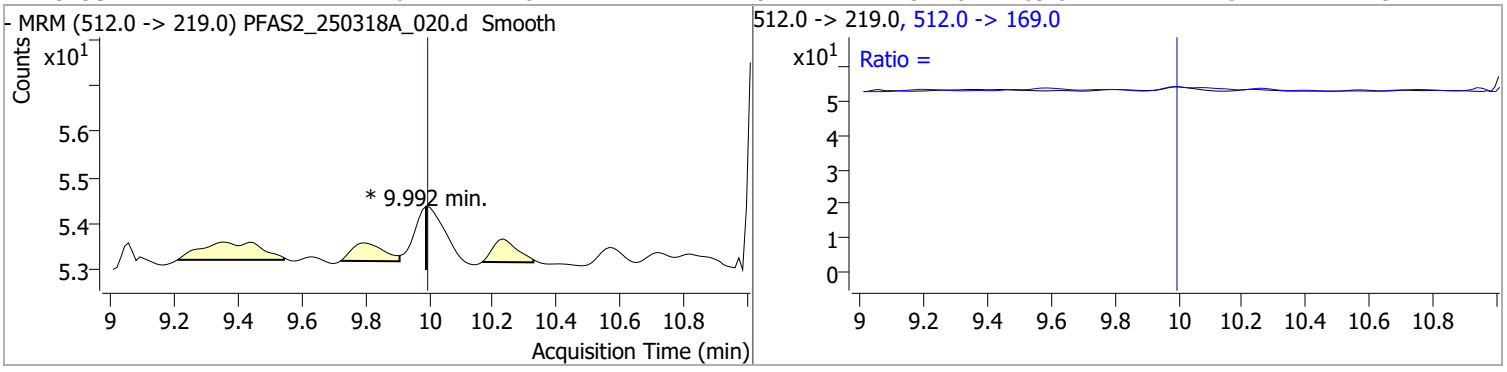
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0177	9.88	0.00	116				



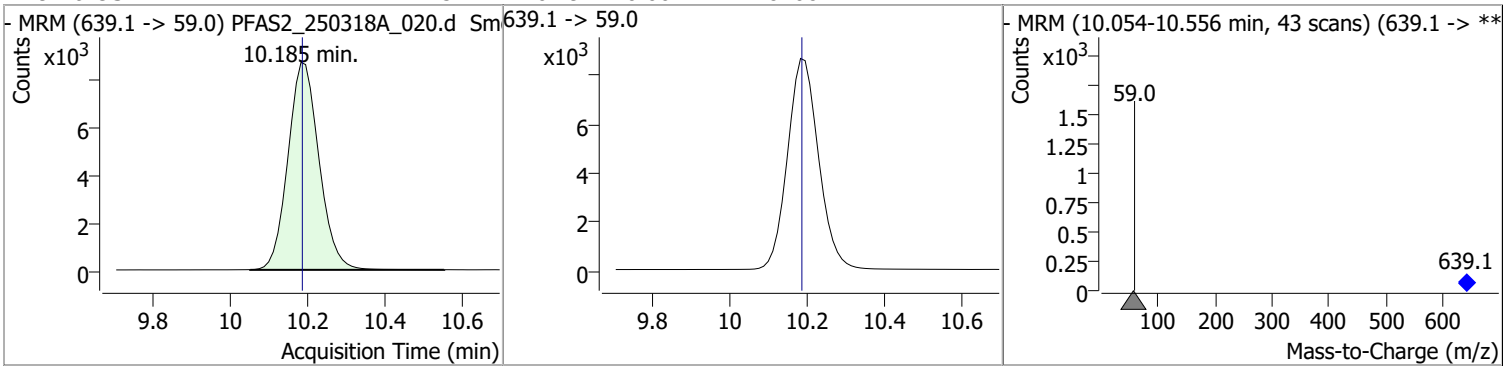
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4531	9.99	0.01	8733				



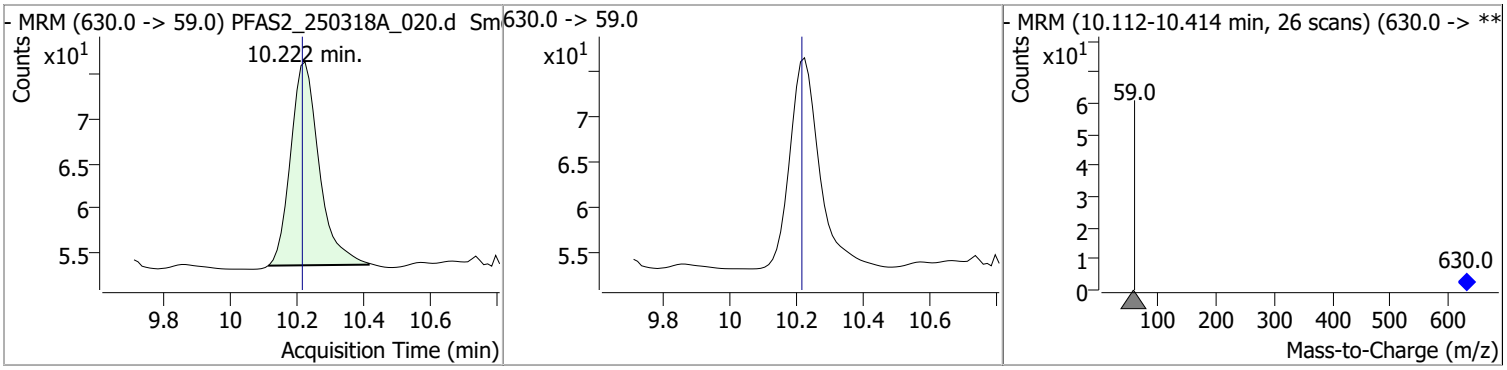
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



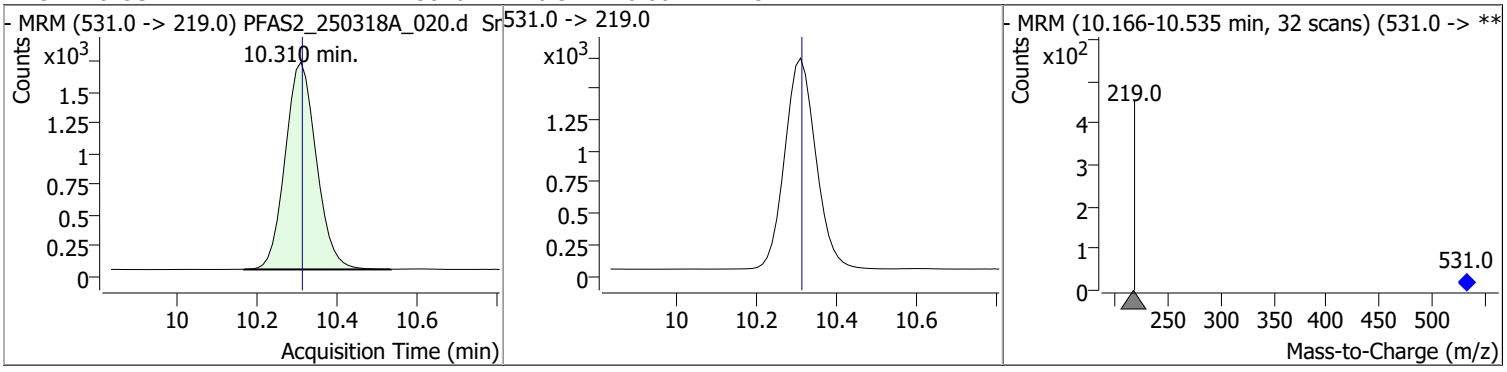
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1541	10.19	0.00	48208				



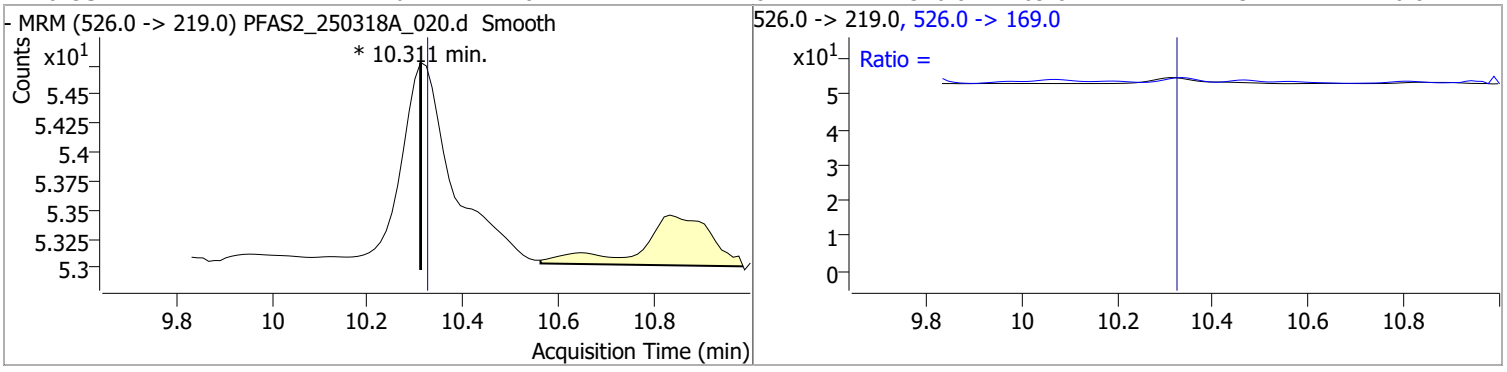
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0880	10.22	0.01	136				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3826	10.31	0.00	9171				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_020.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 8:57:04 PM
Sample Name	B25C0783-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

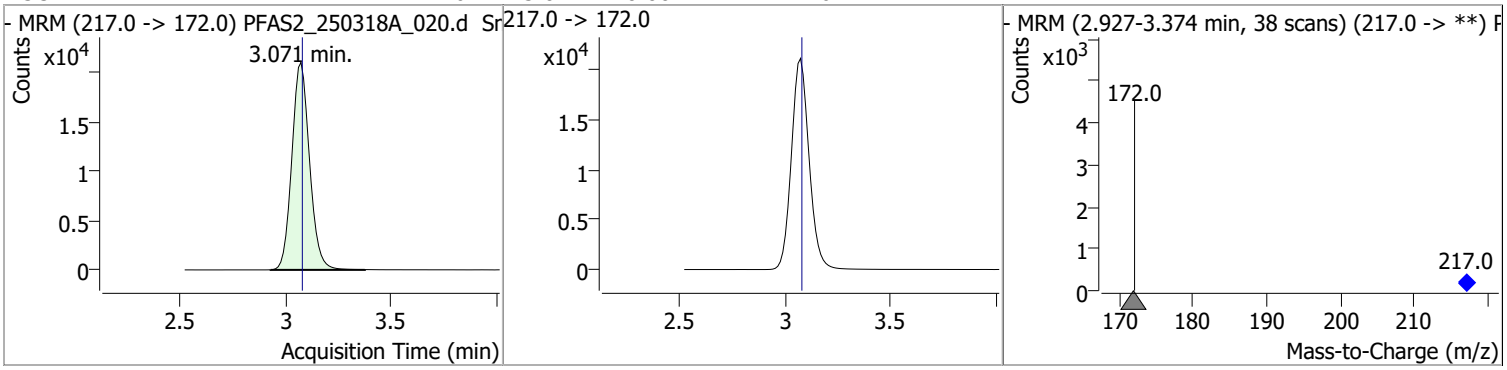
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	121666	5.0000	µg/L		-11.090
13C2-PFHxA	4.902	315.0 -> 270.0	136106	2.5000	µg/L		-11.288
18O2-PFHxS	5.955	403.0 -> 84.0	26848	2.5000	µg/L		-9.388
13C4-PFOA	5.823	417.0 -> 172.0	14264	2.5000	µg/L		-7.661
13C5-PFNA	6.226	468.0 -> 423.0	68513	1.2500	µg/L		-3.737
13C2-PFDA	6.615	515.0 -> 470.0	59842	1.2500	µg/L		-10.518
13C4-PFOS	6.771	503.0 -> 80.0	21329	2.5000	µg/L		-14.373
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	122276	10.0000	µg/L		-60.662
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.23%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C5-PFPeA	4.234	268.0 -> 223.0	168705	5.0000	µg/L		-18.468
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.91%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	27378	5.0000	µg/L	#	8.366
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.08%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C5-PFHxA	4.901	318.0 -> 273.0	135488	2.5000	µg/L		-19.756
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.44%			
13C3-PFBS	4.929	302.0 -> 80.0	47913	2.5000	µg/L		-21.096
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.17%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	150589	10.0000	µg/L		-13.836
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 97.12%			
13C4-PFHpA	5.397	367.0 -> 322.0	161408	2.5000	µg/L		-14.548
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.36%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15003	5.0000	µg/L	#	1.584
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.23%			
13C8-PFOA	5.823	421.0 -> 376.0	146507	2.5000	µg/L		-15.187
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.87%			
13C3-PFHxS	5.956	402.0 -> 80.0	28783	2.5000	µg/L		-17.642
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C9-PFNA	6.225	472.0 -> 427.0	63755	1.2500	µg/L		-9.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.95%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11151	5.0000	µg/L	#	-5.866
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.75%			
13C6-PFDA	6.615	519.0 -> 474.0	59447	1.2500	µg/L		-12.526
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.66%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	49358	5.0000	µg/L		-11.575
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.771	507.0 -> 80.0	21003	2.5000	µg/L		-16.932

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.05%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36779	5.0000	µg/L		-12.782
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.81%			
13C7-PFUnDA	6.990	570.0 -> 525.0	47032	1.2500	µg/L		-12.259
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.04%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	32664	1.2500	µg/L		-25.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 82.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	35609	1.2500	µg/L		-10.855
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFTDA	8.092	715.0 -> 670.0	29718	1.2500	µg/L		-38.453
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.57%			
13C8-PFOSA	8.780	506.0 -> 78.0	31701	2.5000	µg/L		-14.232
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	60140	25.0000	µg/L		-52.134
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 55.94%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8733	2.5000	µg/L		-15.782
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%			
2H9-EtFOSE	10.185	639.1 -> 59.0	48208	25.0000	µg/L		-24.093
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.62%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9171	2.5000	µg/L		-18.404
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
Target Compounds							**QValue**
PFBA	3.067	213.0 -> 169.0	205	0.1002	µg/L		100
PFMPA	3.614	229.0 -> 85.0	24	0.0565	µg/L		100
3-3 FTCA	3.877	241.0 -> 177.0	15	0.0000	µg/L		21
PFPeA	4.235	263.0 -> 219.0	943	0.0548	µg/L	#	99
PFMBA	4.491	279.0 -> 85.0	18	0.0344	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	31	0.0019	µg/L		41
NFDHA	4.823	295.0 -> 201.0	13	0.0129	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	300	0.0062	µg/L		89
PFBS	5.049	298.9 -> 80.0	46	0.0023	µg/L		93
HFPO-DA	5.098	285.0 -> 169.0	70	0.0052	µg/L	#	1
PFEESA	5.212	314.9 -> 135.0	25	0.0519	µg/L	#	89
PFHpA	5.374	363.0 -> 319.0	432	0.0282	µg/L	#	81
5-3 FTCA	5.447	341.0 -> 237.0	60	0.1927	µg/L	#	61
PFPeS	5.553	348.9 -> 80.0	33	0.0021	µg/L		30
DONA	5.515	377.0 -> 251.0	148	0.0691	µg/L	#	66
6-2 FTSA	5.654	427.0 -> 407.0	90	0.1185	µg/L		50
PFOA	5.836	413.0 -> 369.0	602	0.0467	µg/L		94
PFHxS	5.957	398.9 -> 80.0	136	0.0121	µg/L	#	74
PFNA	6.201	463.0 -> 419.0	201	0.0108	µg/L	#	67
PFHpS	6.454	448.9 -> 80.0	8	0.0009	µg/L		26
8-2 FTSA	6.436	527.0 -> 507.0	26	0.0775	µg/L		47
7-3 FTCA	6.585	441.0 -> 317.0	70	0.2690	µg/L	#	66
PFDA	6.484	513.0 -> 469.0	143	0.0001	µg/L		68
N-MeFOSAA	6.730	570.0 -> 419.0	42	0.0129	µg/L		33
PFOS	6.772	498.9 -> 80.0	367	0.0745	µg/L	#	72
N-EtFOSAA	6.929	584.0 -> 419.0	34	0.0160	µg/L		24
PFUnDA	6.931	563.0 -> 519.0	180	0.0184	µg/L	#	81
9Cl-PF3ONS	7.053	530.9 -> 350.9	34	0.0657	µg/L	#	46
PFNS	7.243	548.9 -> 80.0	6	0.0008	µg/L		26
PFDoDA	7.368	613.0 -> 569.0	137	0.0052	µg/L		65
PFDS	7.537	598.9 -> 80.0	26	0.0049	µg/L	#	33
PFTrDA	7.724	663.0 -> 619.0	34	0.0014	µg/L		72

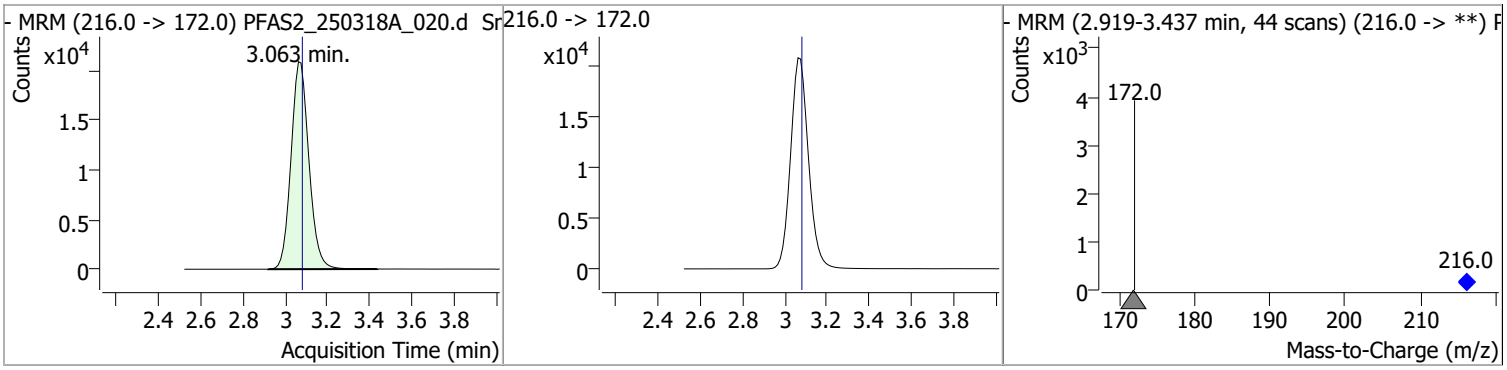
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.787	630.9 -> 450.9	80	0.0040	µg/L	#	80
PFTDA	8.093	712.9 -> 669.0	63	0.0092	µg/L		77
PFDoS	8.240	698.9 -> 80.0	8	0.0021	µg/L		22
PFOSA	8.783	497.9 -> 78.0	48	0.0043	µg/L	#	70
MeFOSE	9.878	616.0 -> 59.0	116	0.0177	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	8	0.0023	µg/L	#	34
EtFOSE	10.222	630.0 -> 59.0	136	0.0880	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	12	0.0033	µg/L	#	30

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

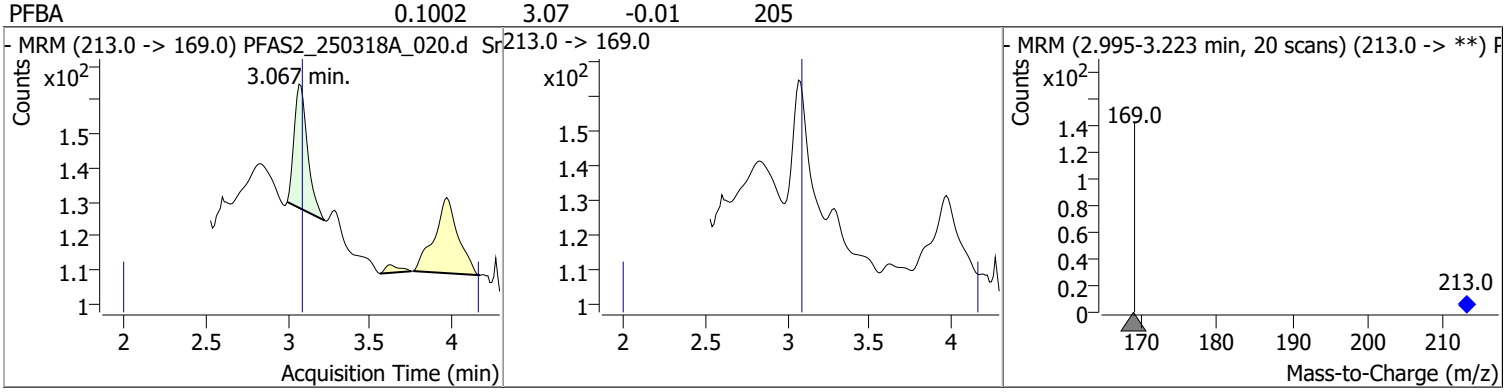
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4226	3.07	0.00	122276				



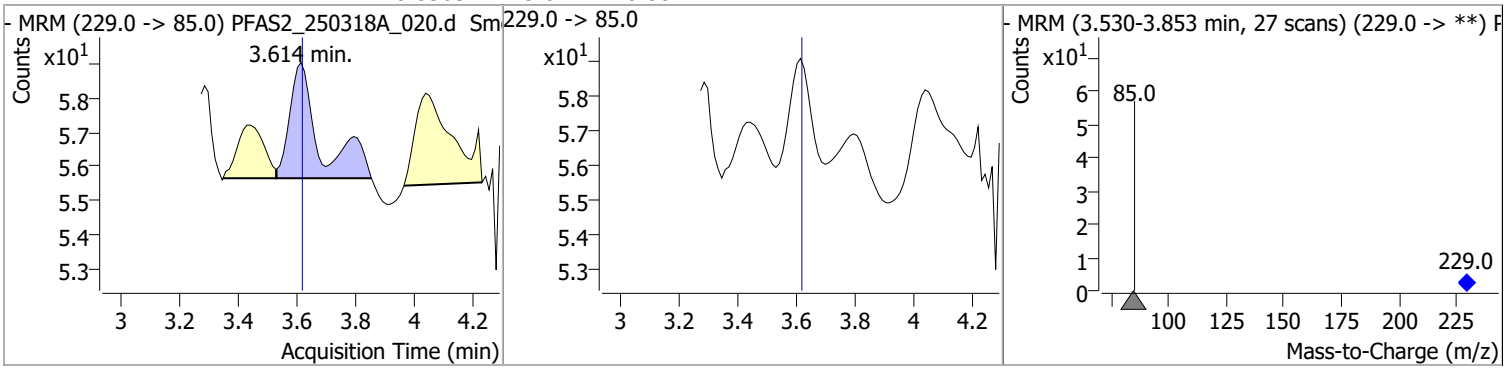
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	121666				



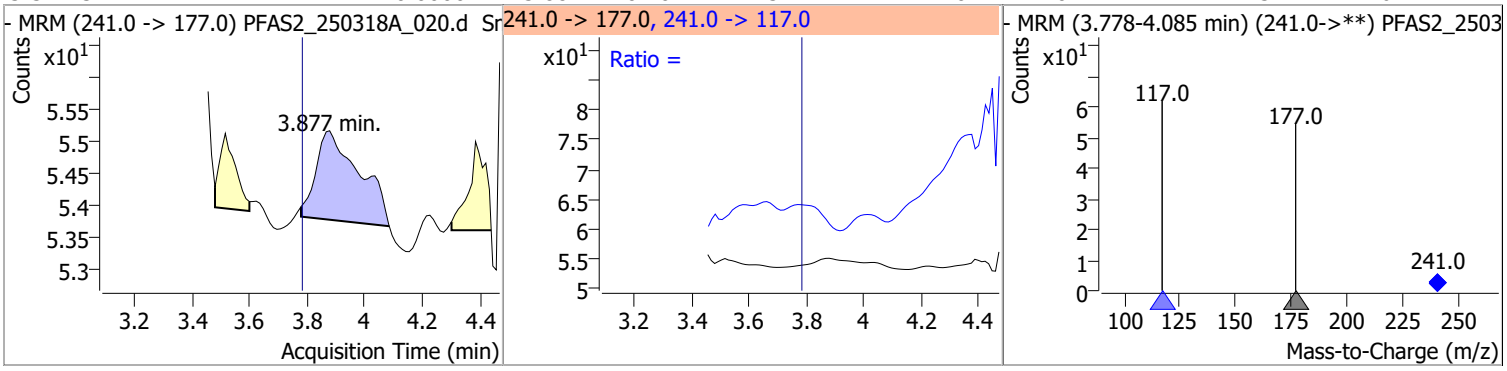
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.1002	3.07	-0.01	205				



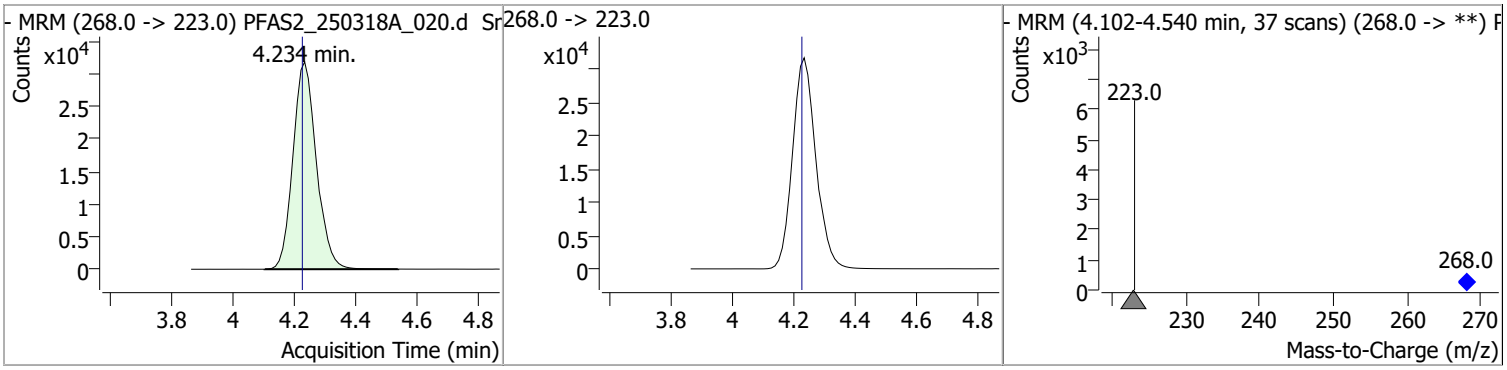
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0565	3.61	0.00	24				



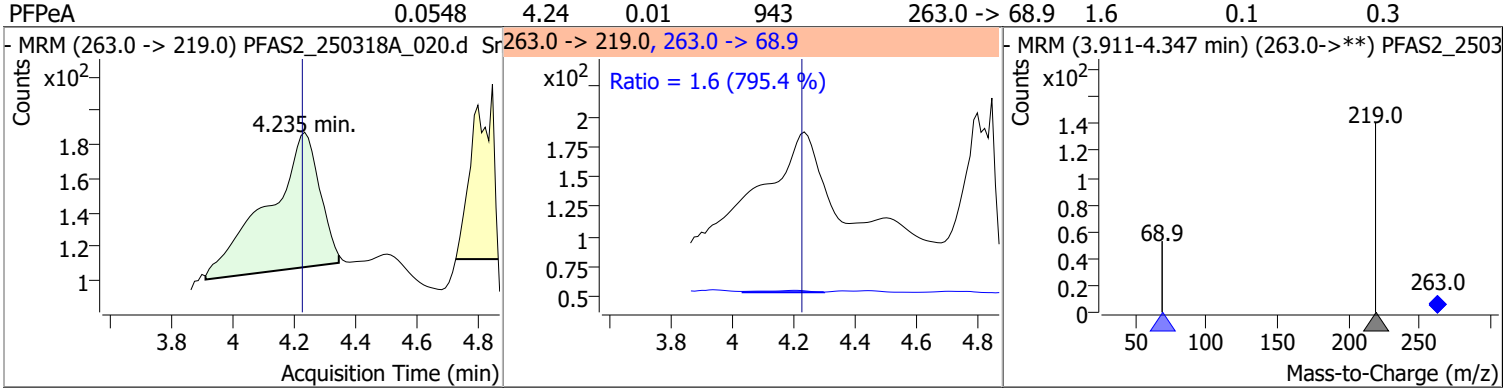
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.88	0.10	15	241.0 -> 117.0		41.3	76.7



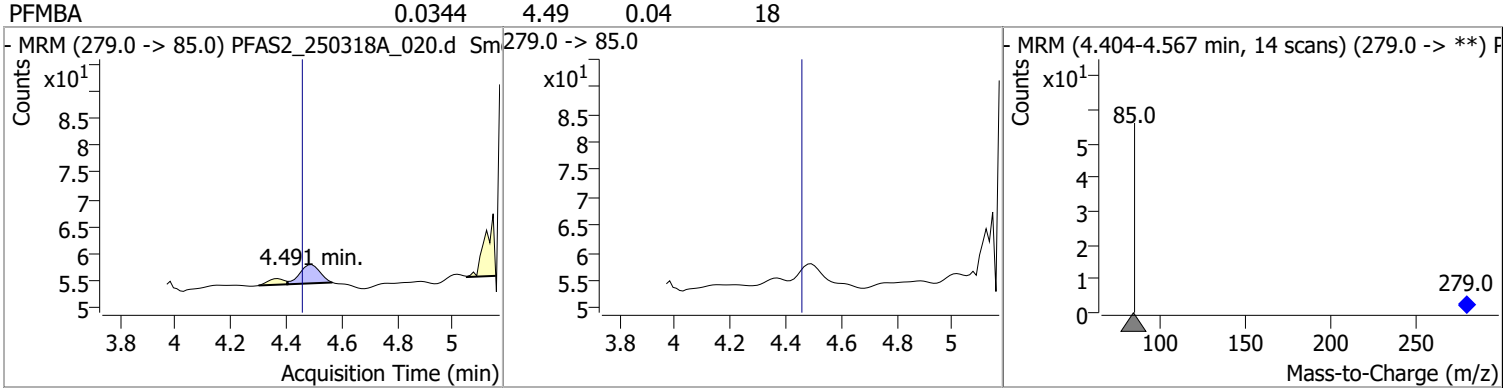
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.5956	4.23	0.01	168705				



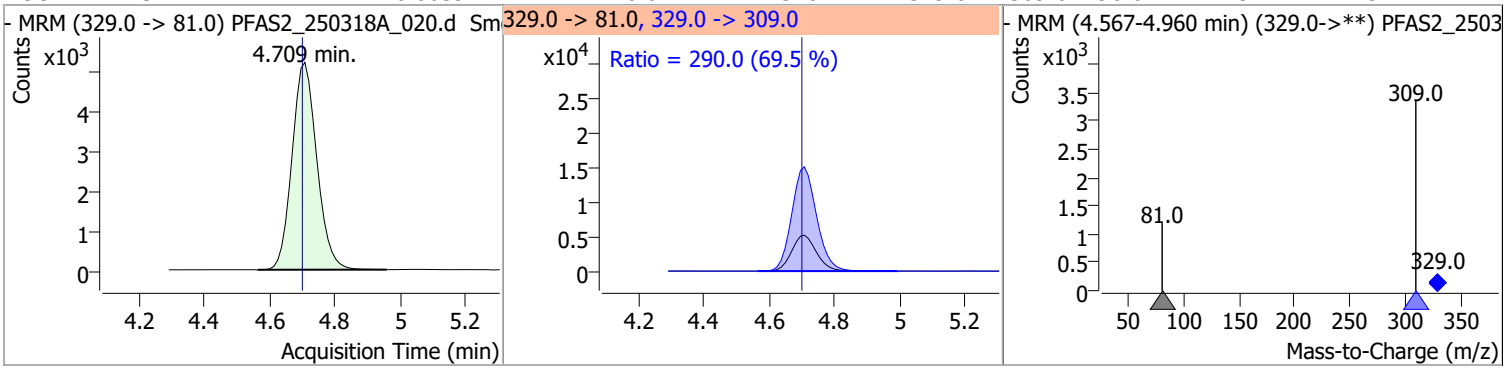
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0548	4.24	0.01	943	263.0 -> 68.9	1.6	0.1	0.3



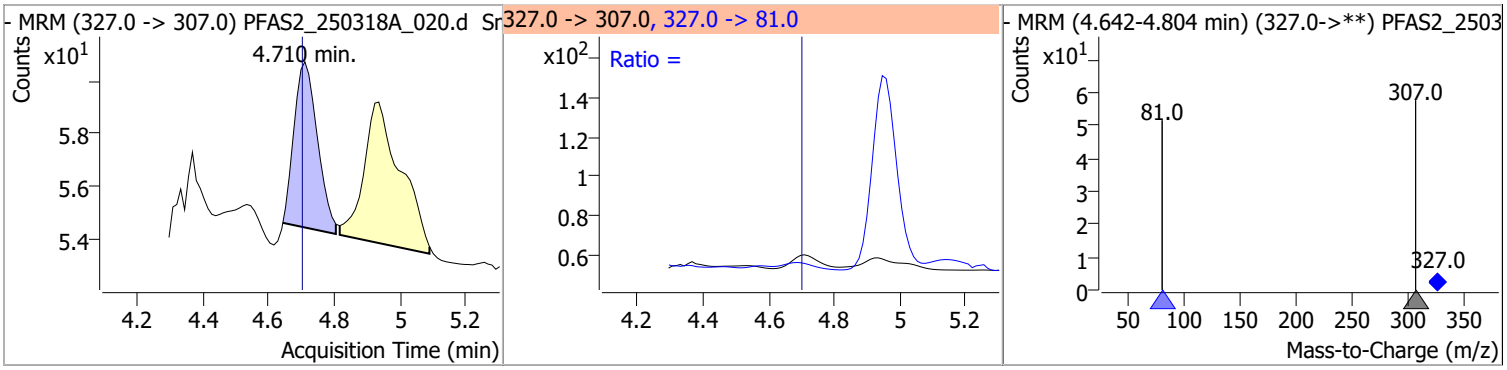
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0344	4.49	0.04	18				



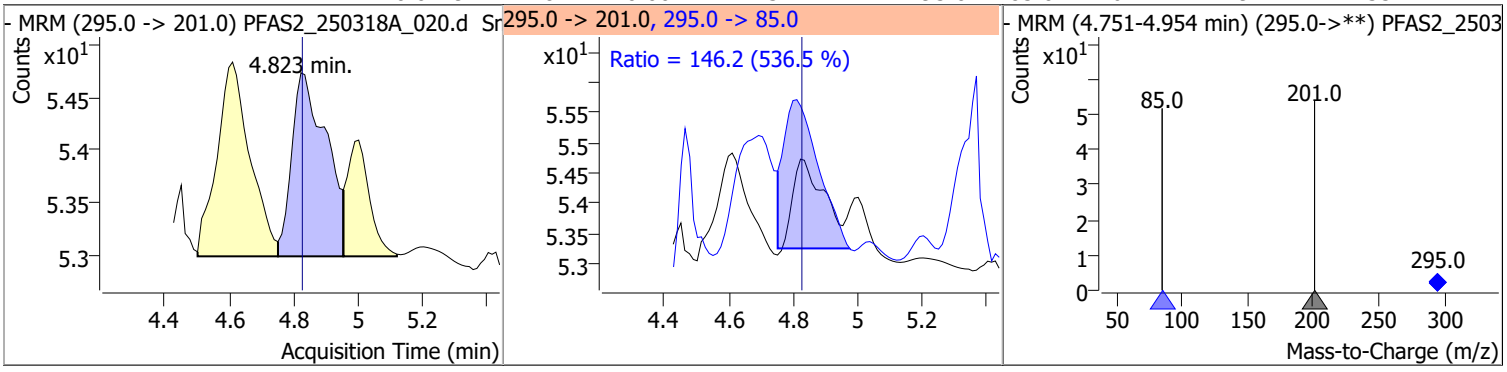
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0039	4.71	0.01	27378	329.0 -> 309.0	290.0	292.1	542.4



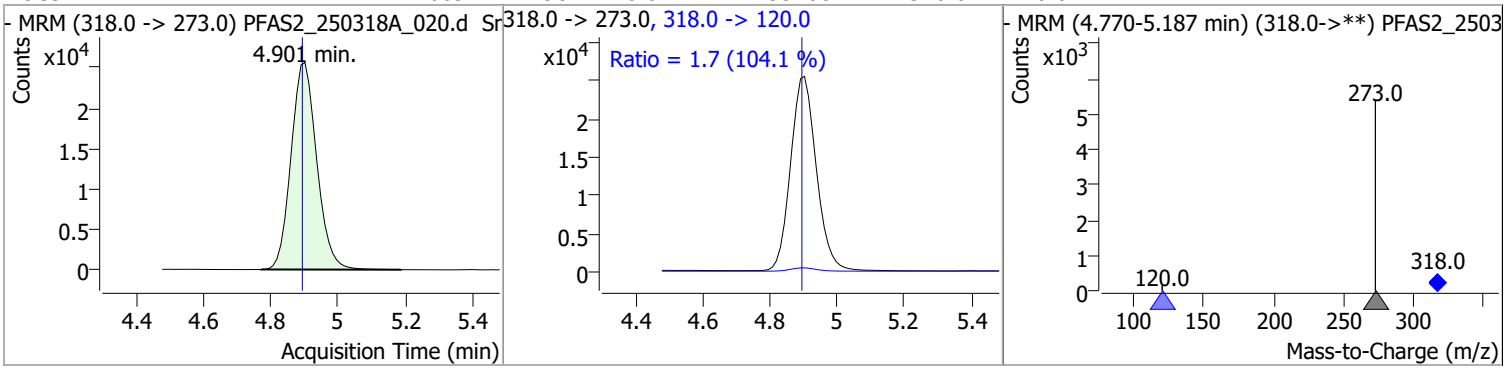
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0019	4.71	0.01	31	327.0 -> 81.0		23.6	43.9



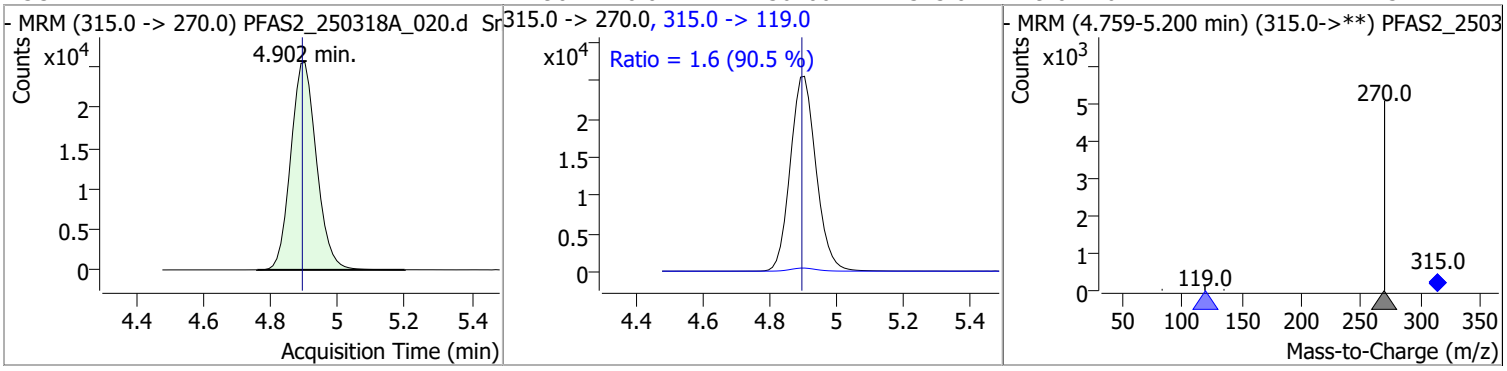
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0129	4.82	0.00	13	295.0 -> 85.0	146.2	19.1	35.4



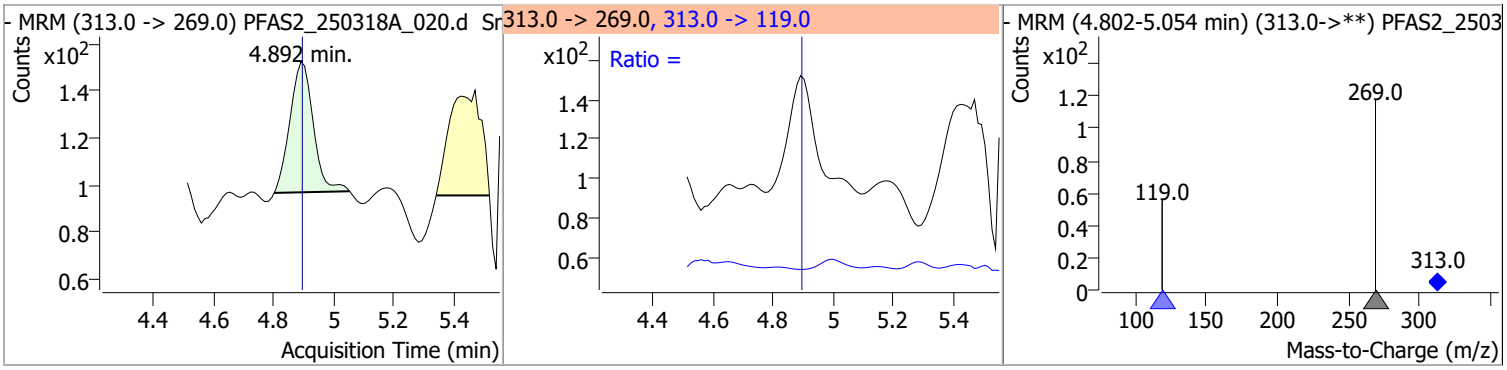
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2609	4.90	0.01	135488	318.0 -> 120.0	1.7	1.1	2.1



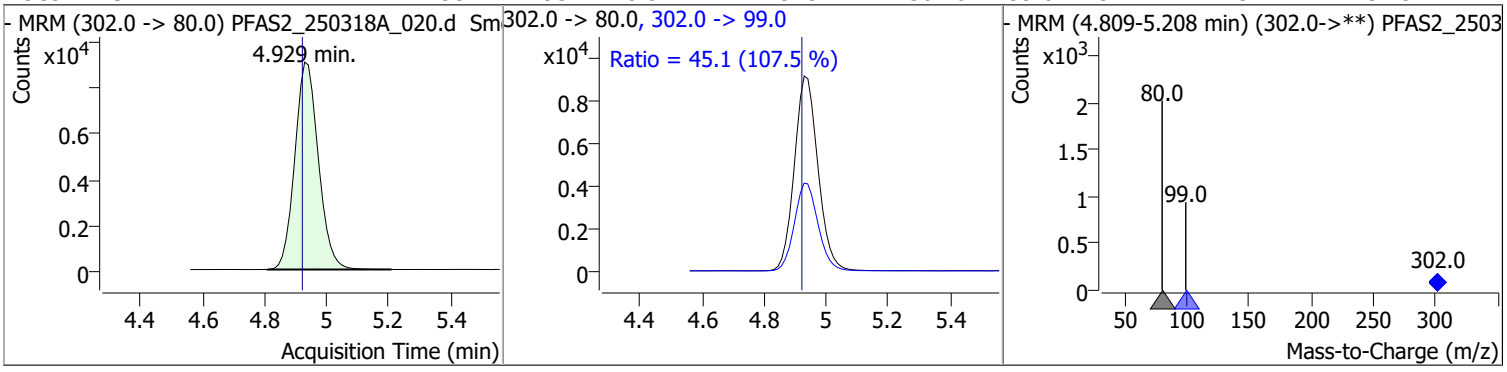
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	136106	315.0 -> 119.0	1.6	1.2	2.3



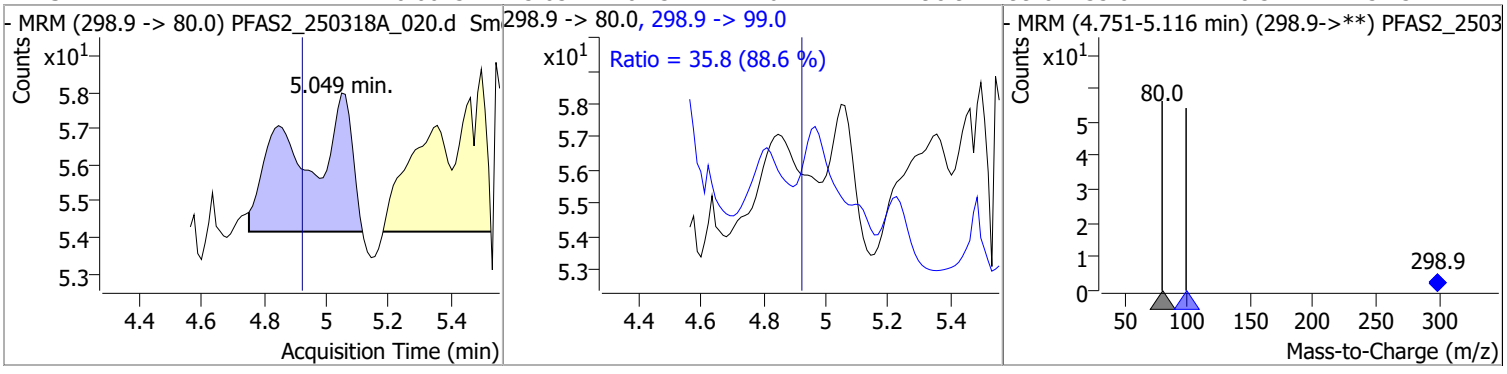
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0062	4.89	0.00	300	313.0 -> 119.0		2.4	4.5



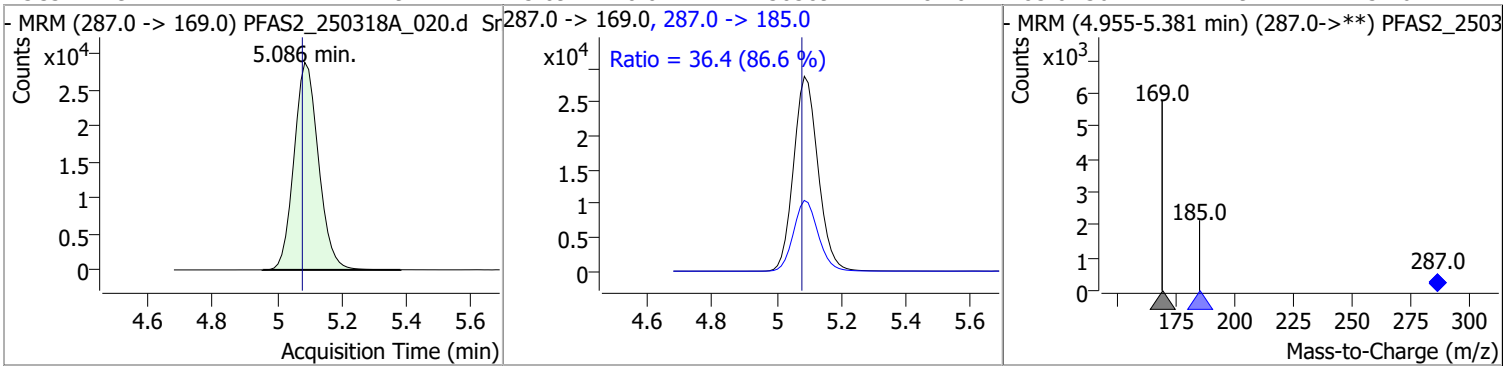
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1793	4.93	0.01	47913	302.0 -> 99.0	45.1	29.4	54.5



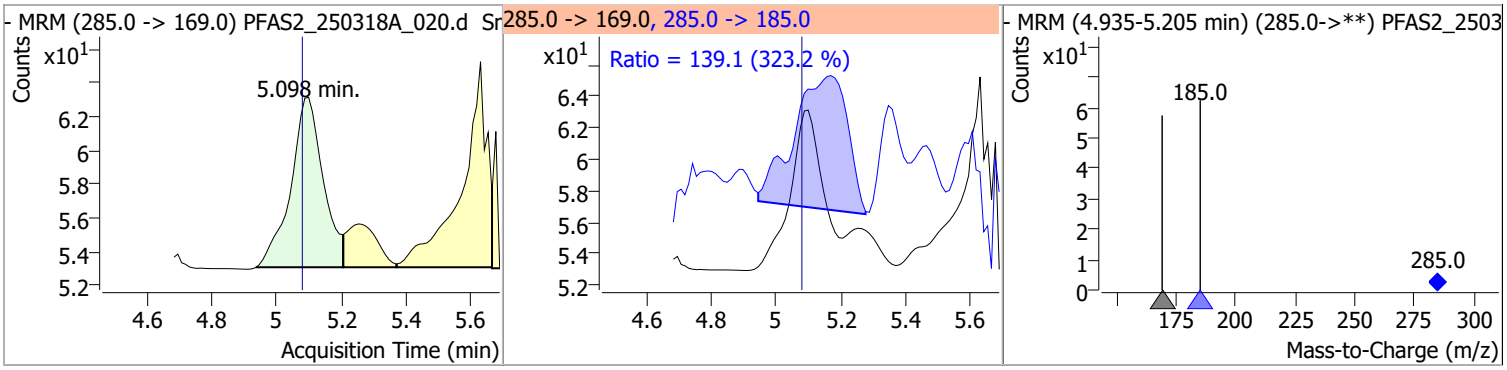
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0023	5.05	0.13	46	298.9 -> 99.0	35.8	28.3	52.5



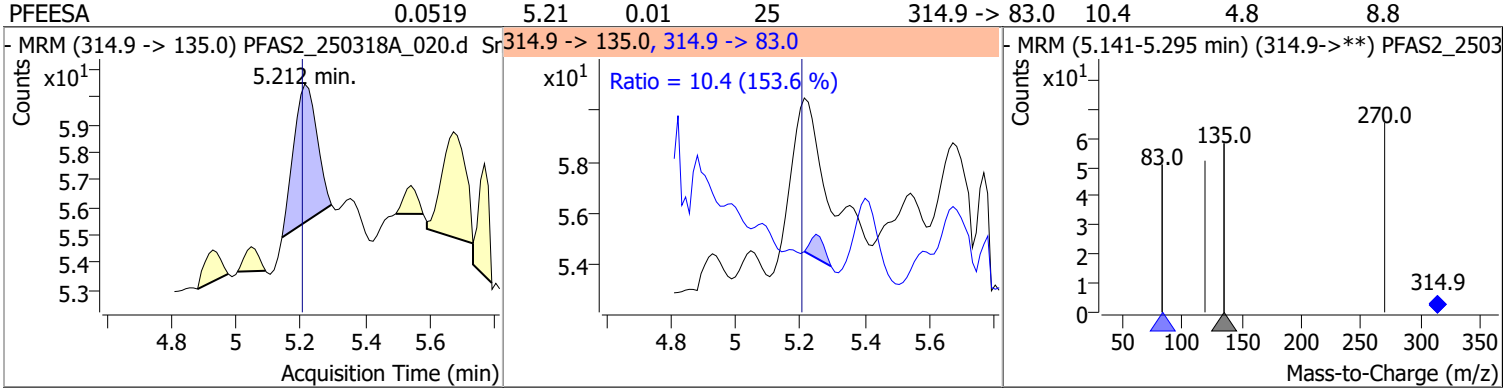
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7124	5.09	0.01	150589	287.0 -> 185.0	36.4	29.4	54.6



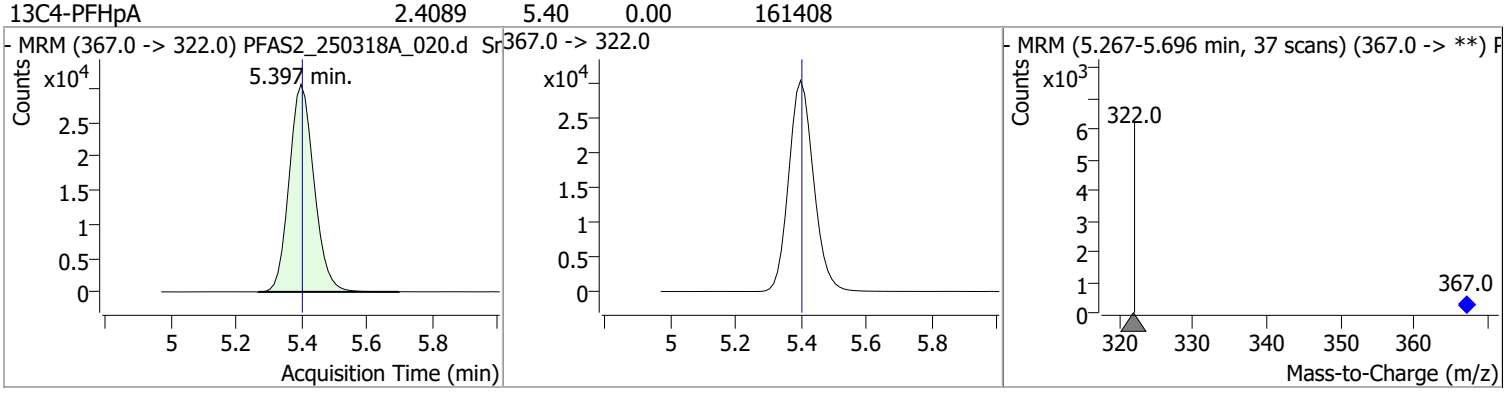
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0052	5.10	0.02	70	285.0 -> 185.0	139.1	30.1	56.0



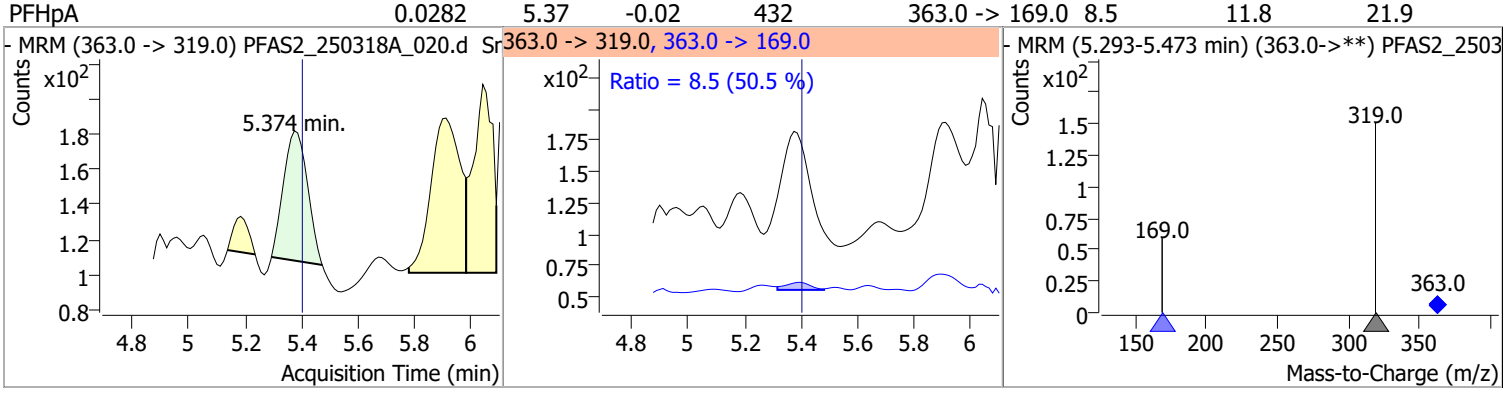
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.21	0.01	25	314.9 -> 83.0	10.4	4.8	8.8



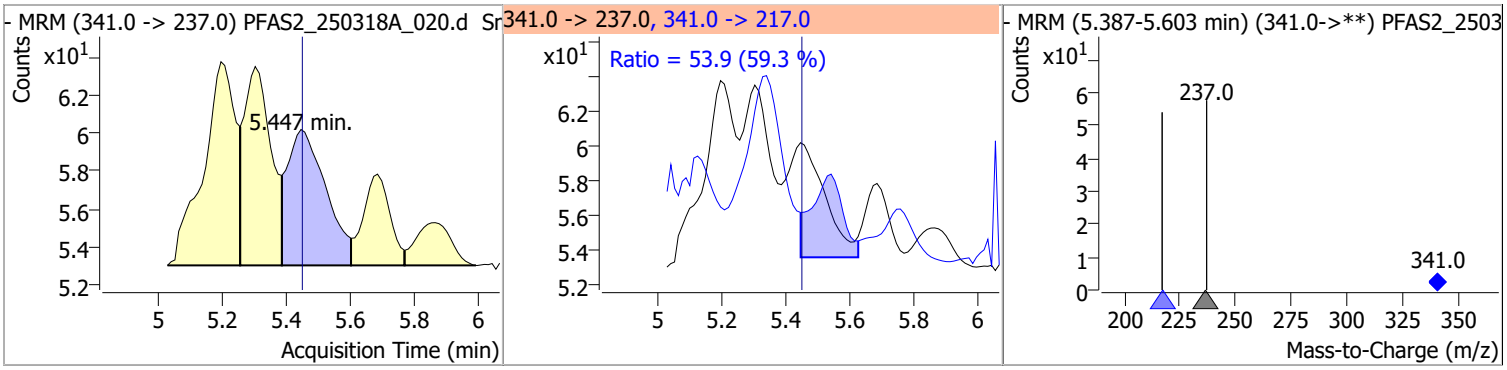
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4089	5.40	0.00	161408				



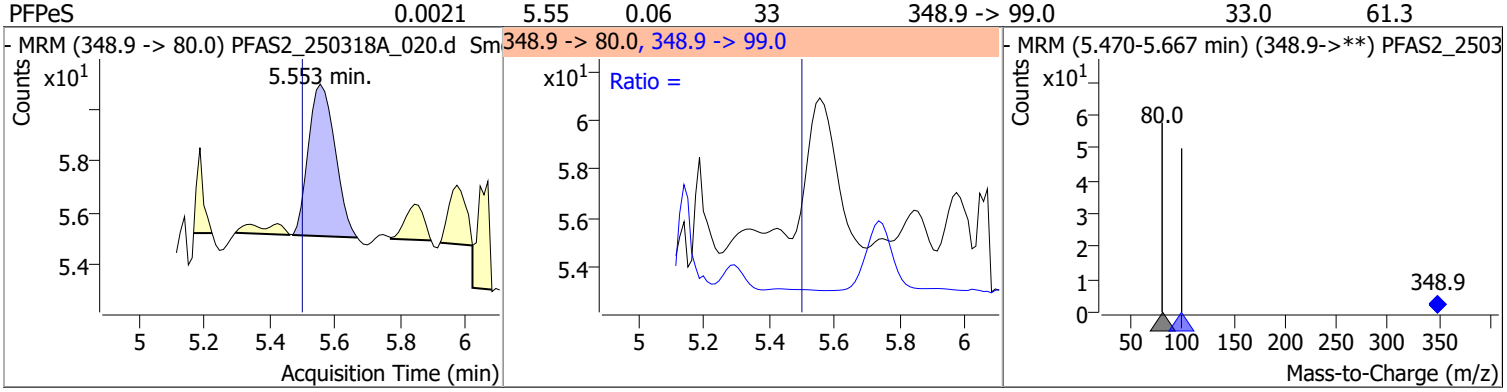
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0282	5.37	-0.02	432	363.0 -> 169.0	8.5	11.8	21.9



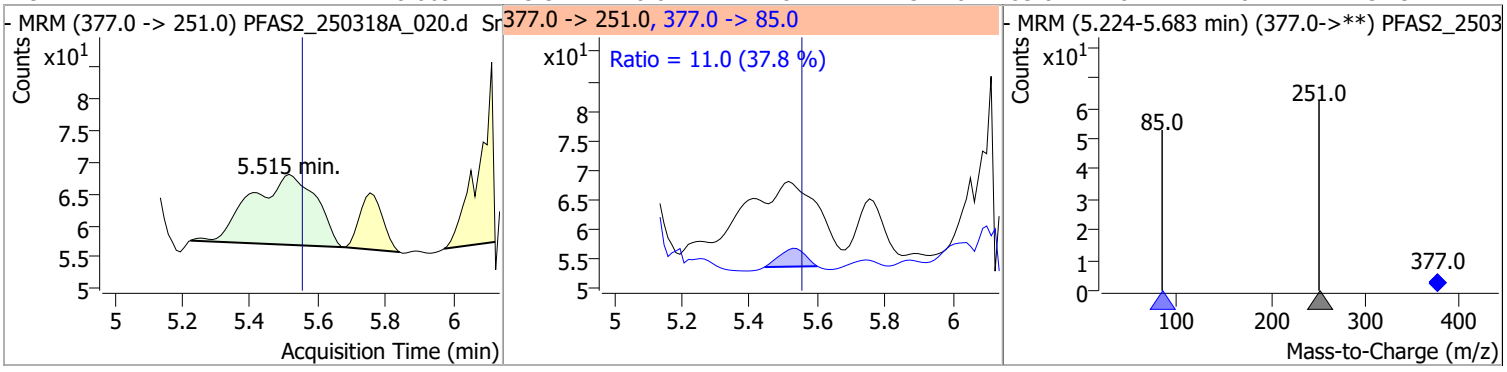
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1927	5.45	0.00	60	341.0 -> 217.0	53.9	63.6	118.1



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0021	5.55	0.06	33	348.9 -> 99.0		33.0	61.3

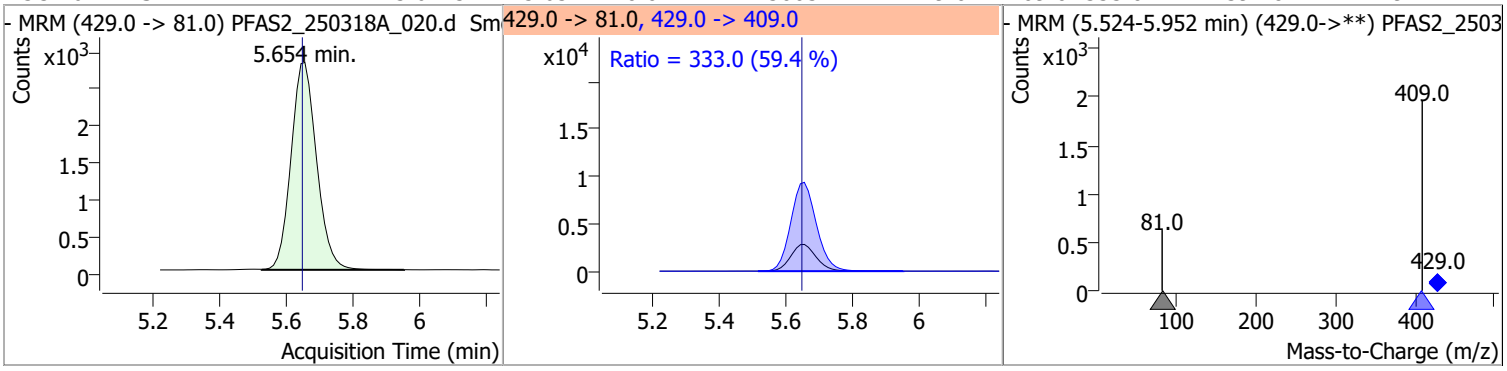


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0691	5.52	-0.04	148	377.0 -> 85.0	11.0	20.4	37.9

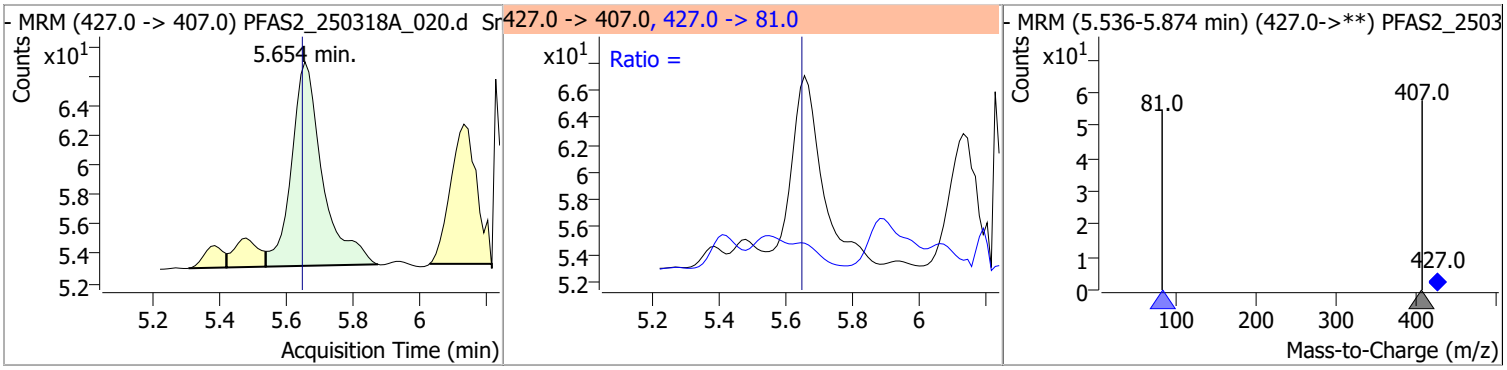


Quantitation Results Report (Not Reviewed)

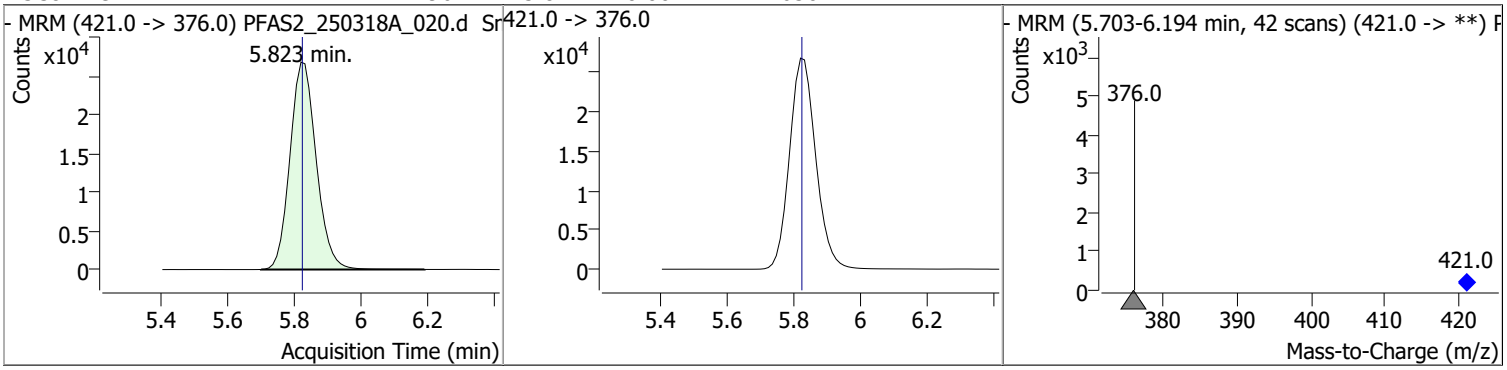
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6115	5.65	0.01	15003	429.0 -> 409.0	333.0	392.8	729.4



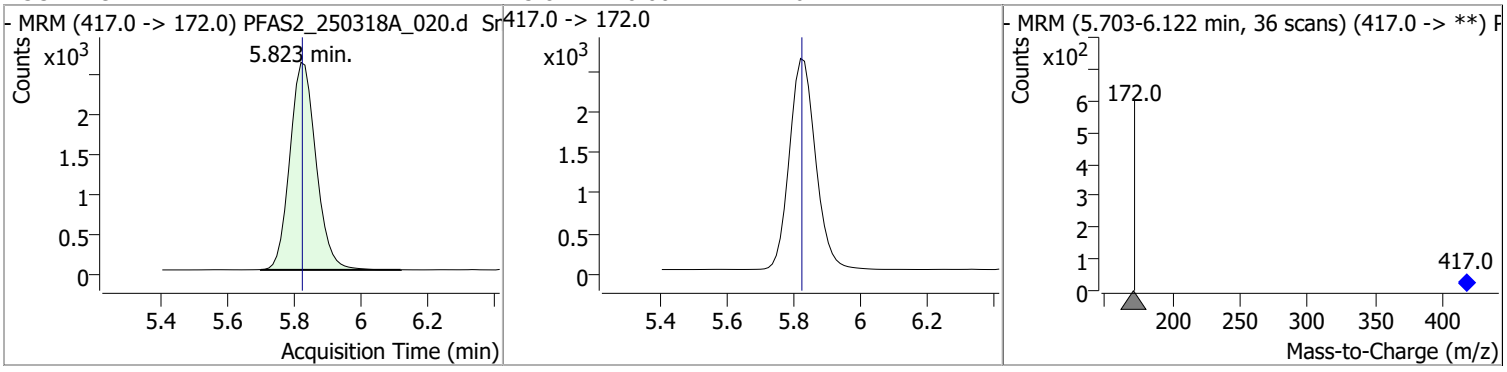
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1185	5.65	0.01	90	427.0 -> 81.0		17.7	32.8



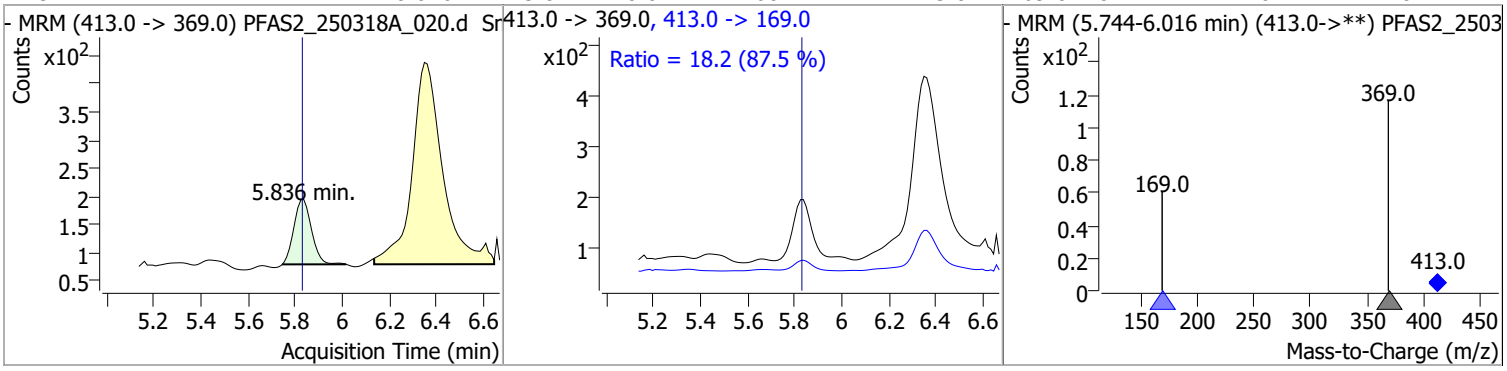
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2967	5.82	0.00	146507				



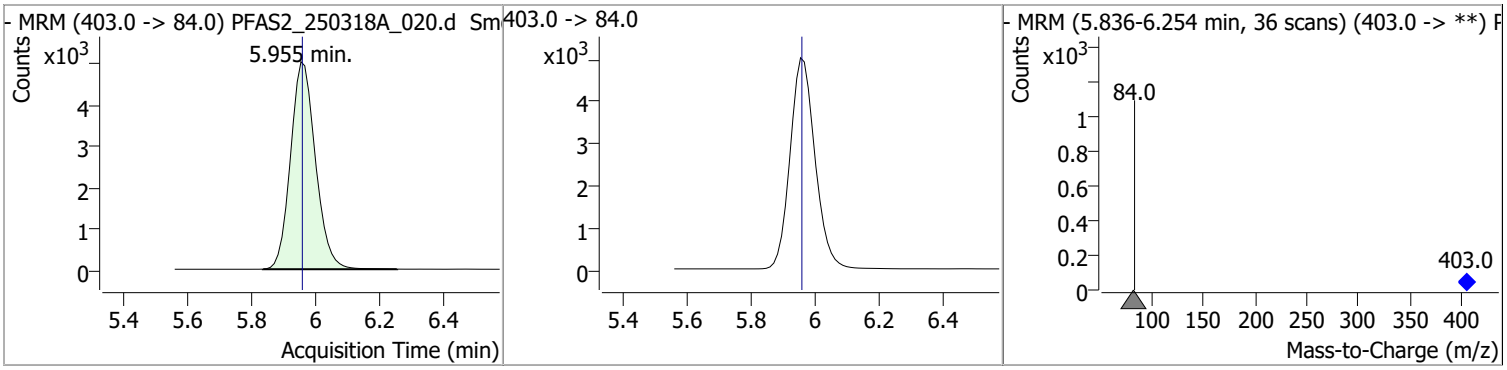
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14264				



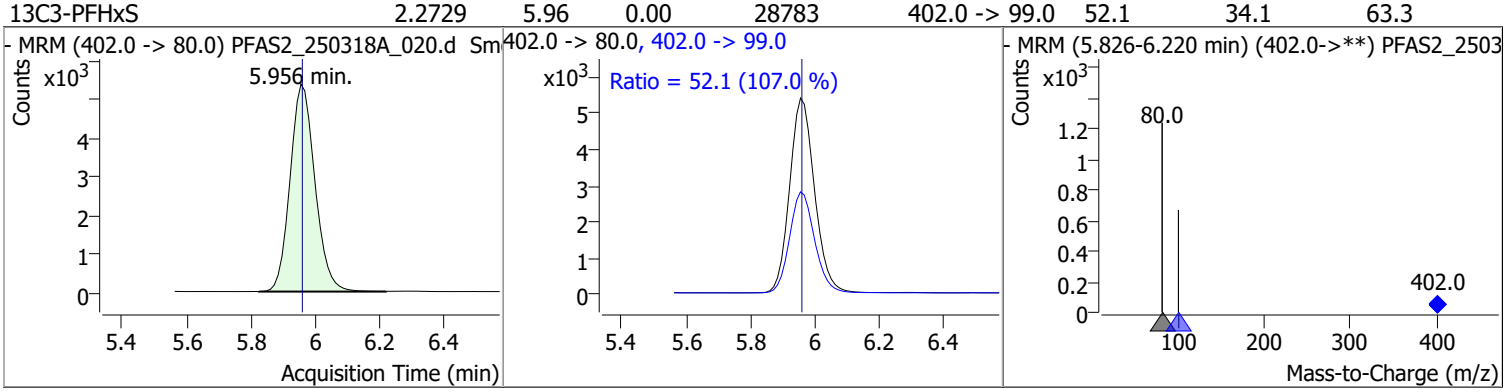
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0467	5.84	0.01	602	413.0 -> 169.0	18.2	14.6	27.0



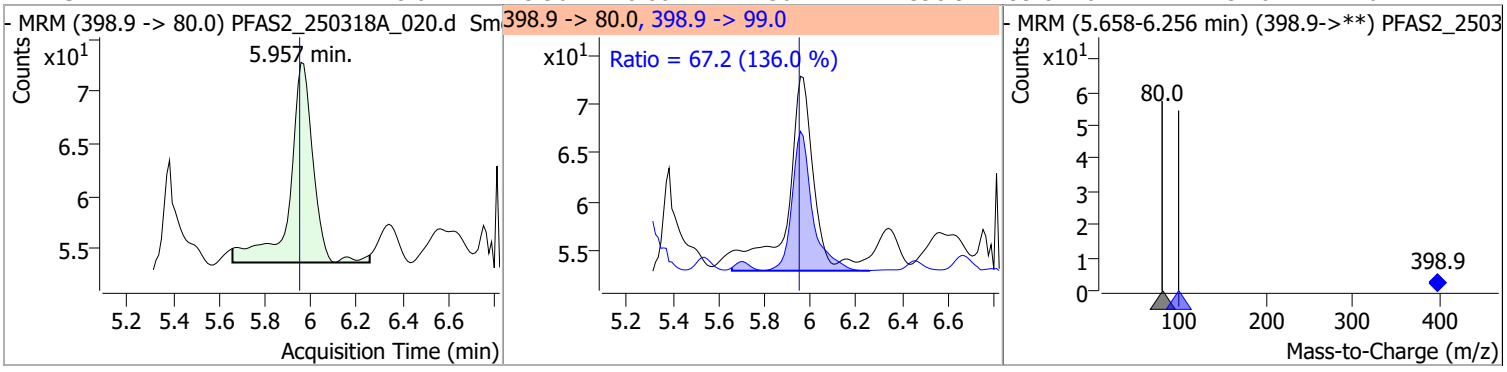
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	26848				



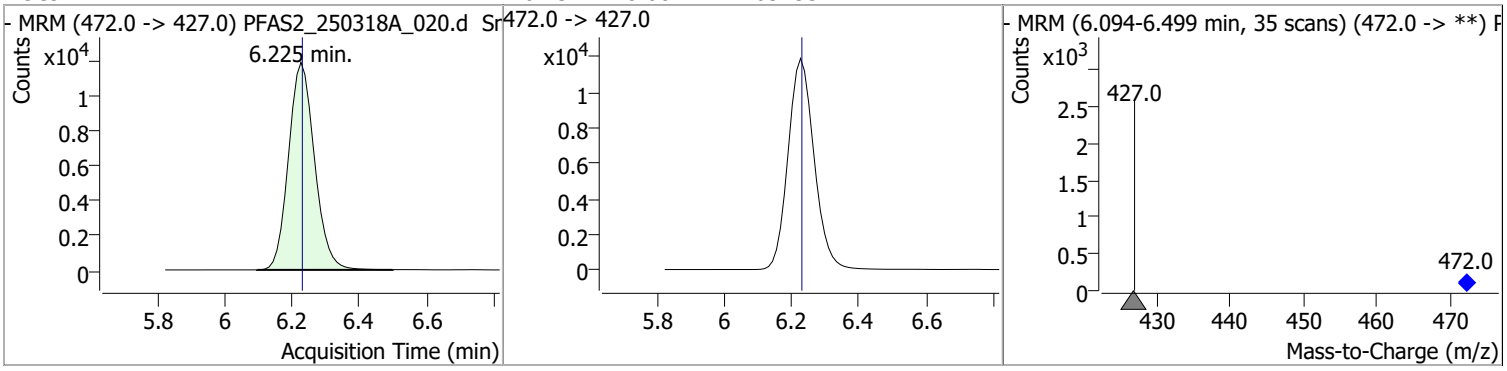
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2729	5.96	0.00	28783	402.0 -> 99.0	52.1	34.1	63.3



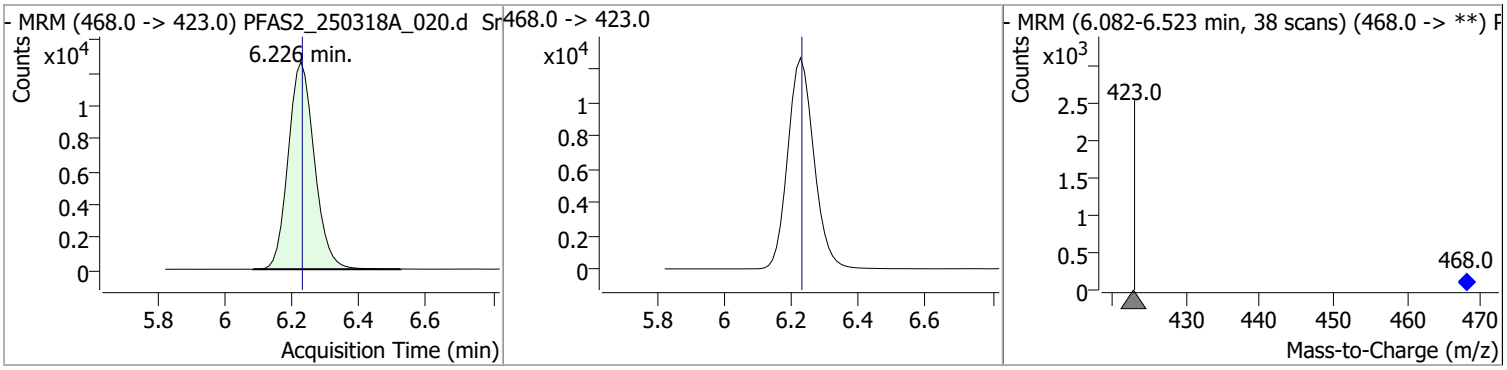
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0121	5.96	0.00	136	398.9 -> 99.0	67.2	34.6	64.2



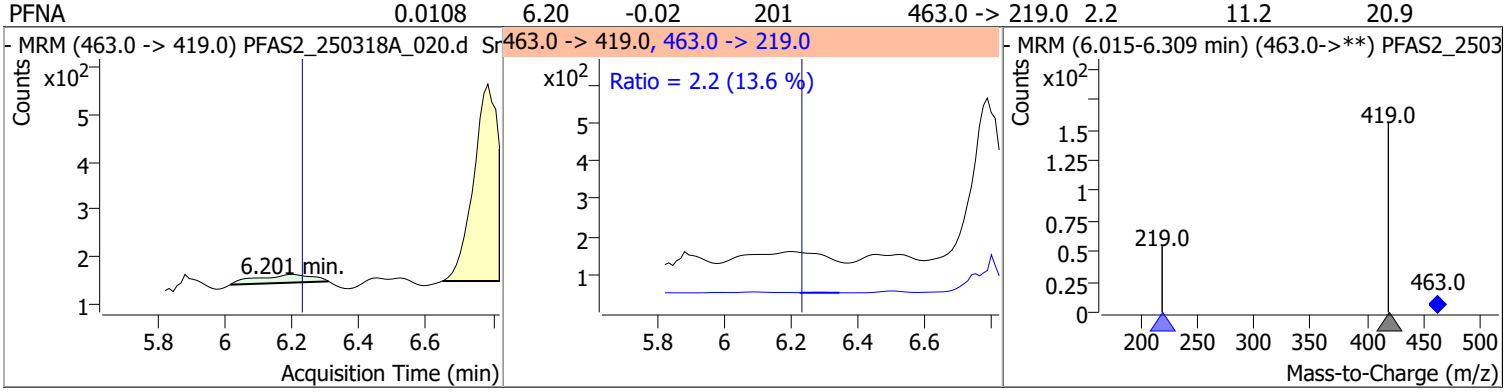
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1744	6.23	0.00	63755				



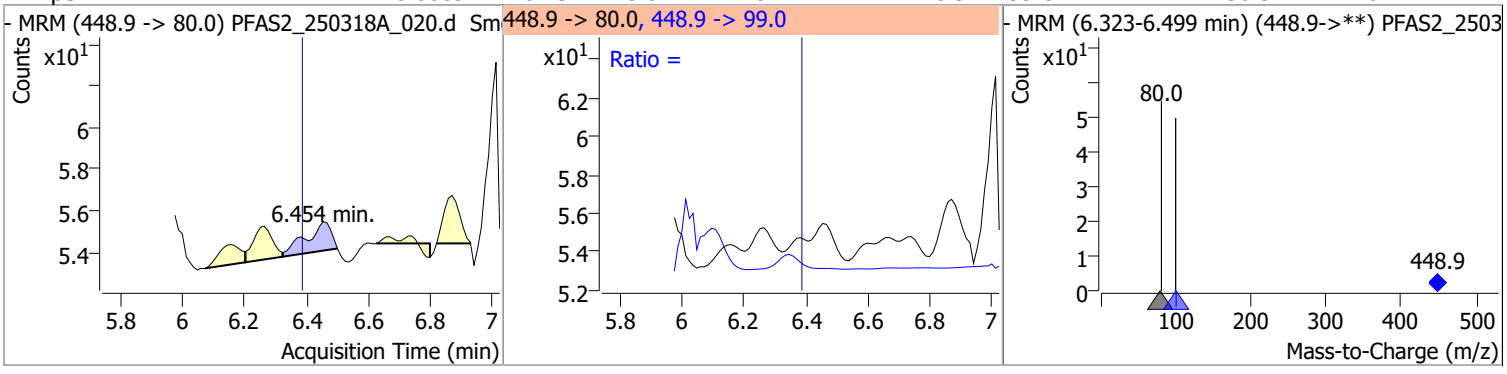
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	68513				



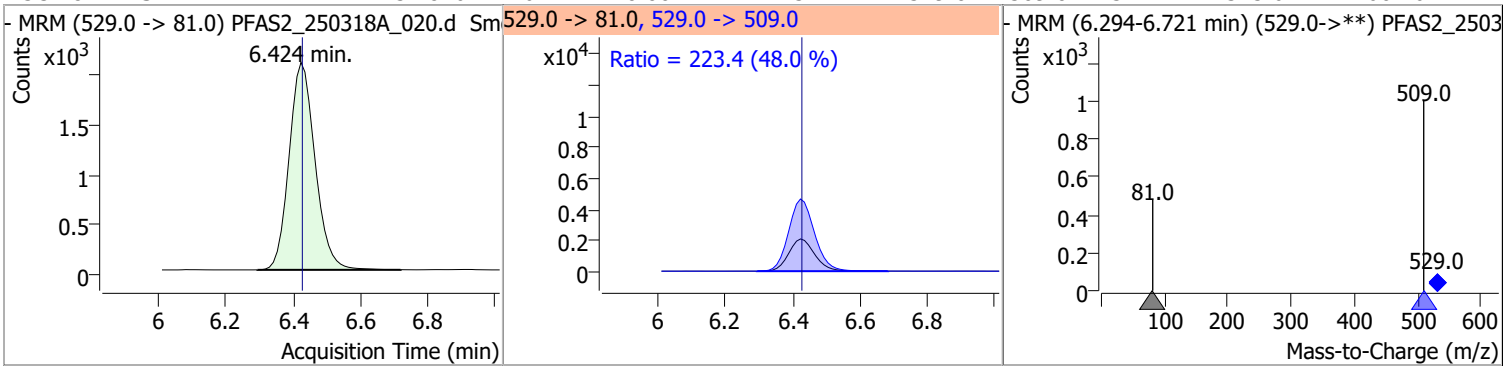
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0108	6.20	-0.02	201	463.0 -> 219.0	2.2	11.2	20.9



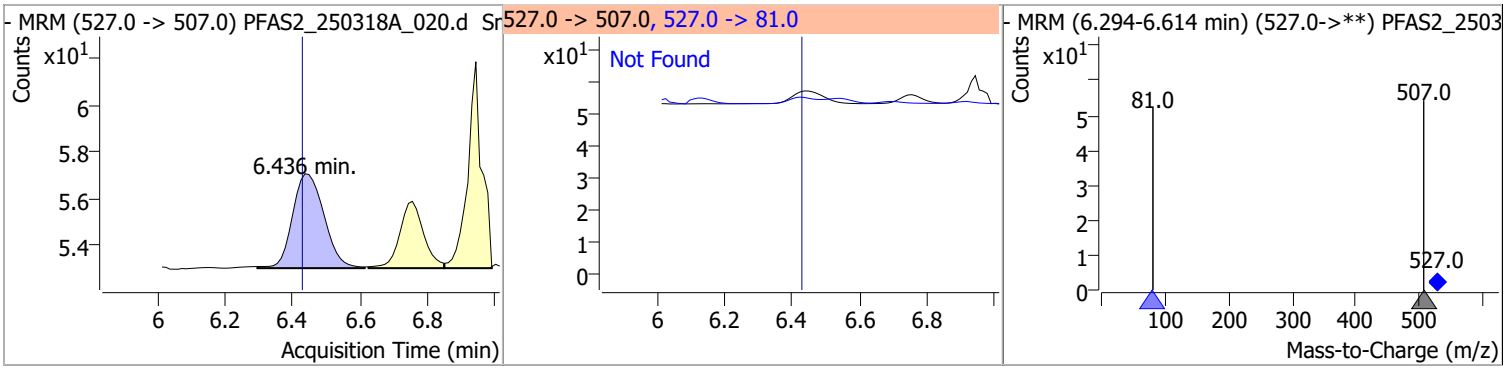
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	6.45	0.07	8	448.9 -> 99.0		36.5	67.7



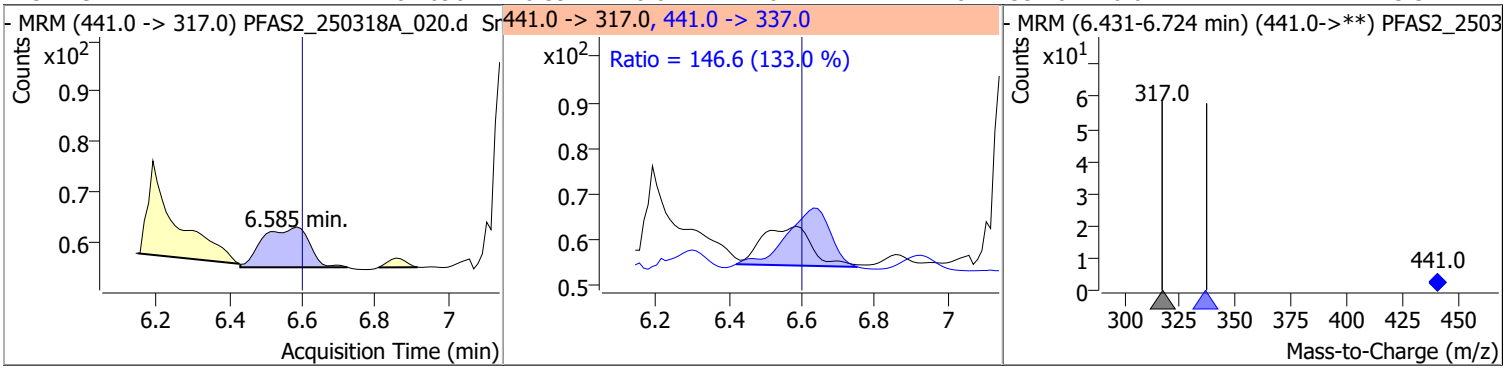
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1876	6.42	0.00	11151	529.0 -> 509.0	223.4	325.6	604.6



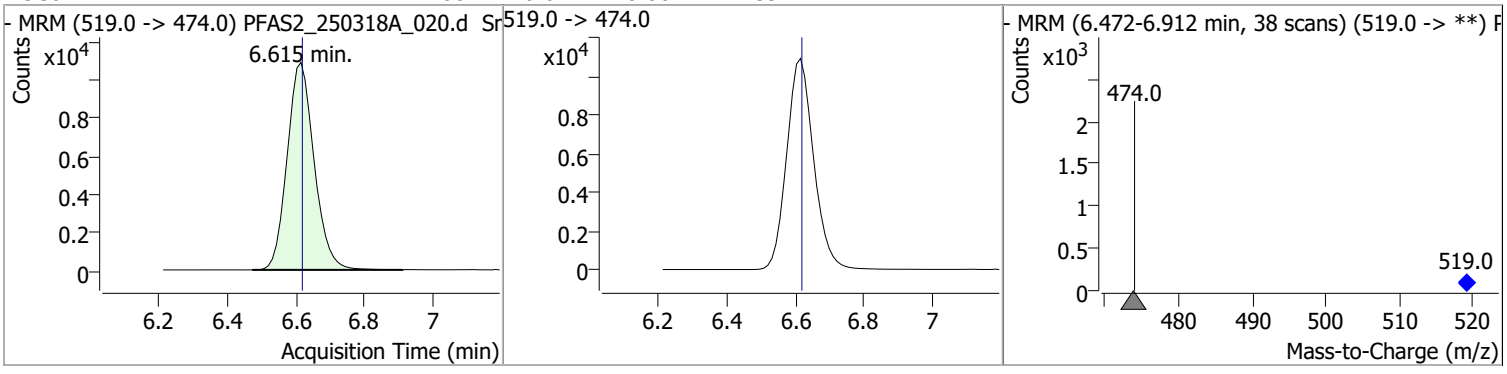
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0775	6.44	0.01	26	527.0 -> 81.0		19.7	36.6



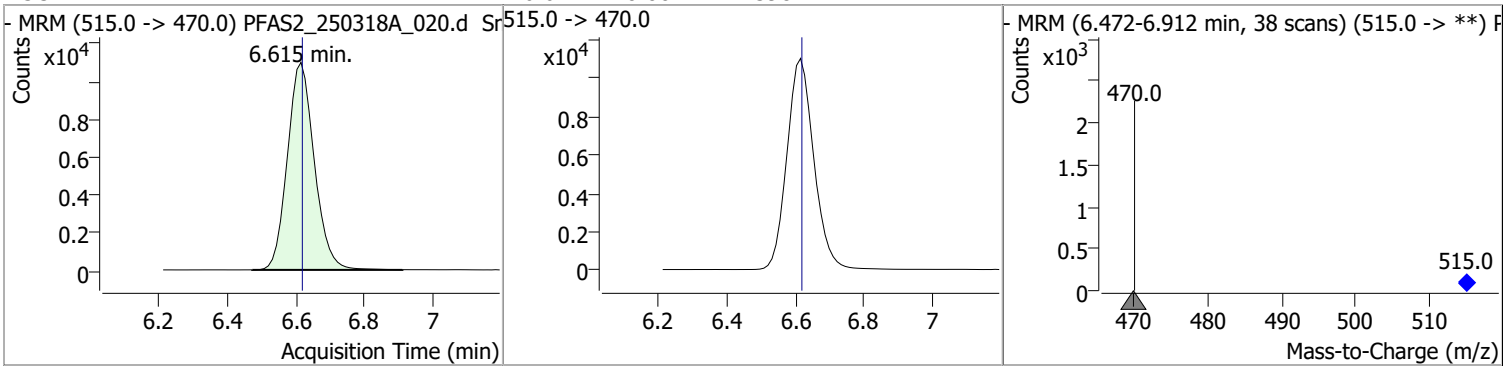
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2690	6.59	-0.01	70	441.0 -> 337.0	146.6	77.1	143.3



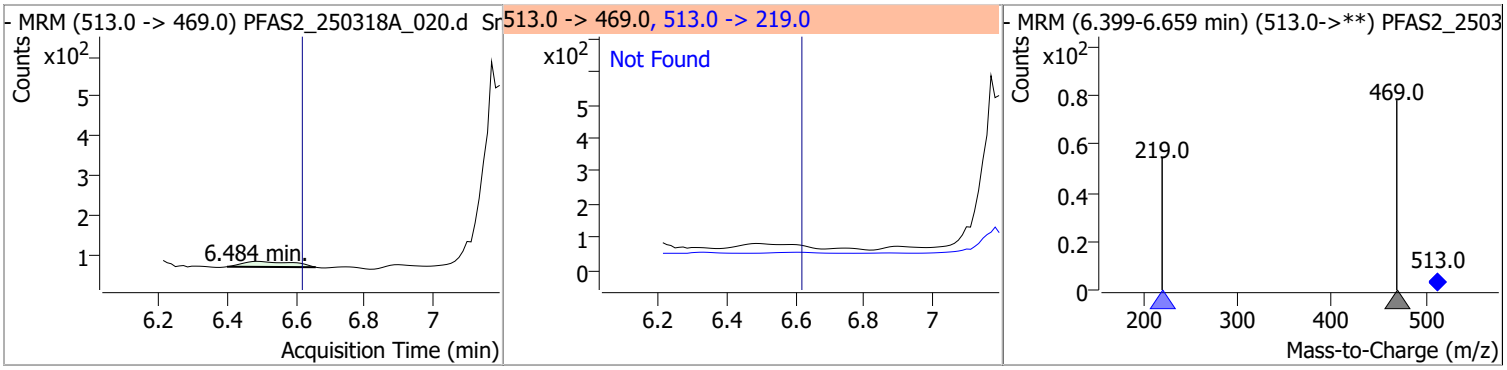
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2208	6.61	0.00	59447				



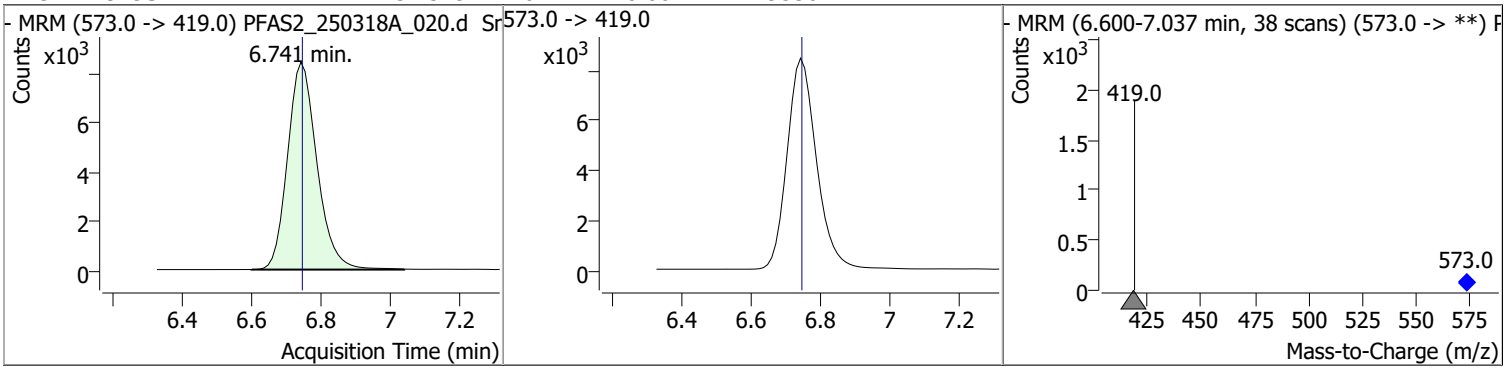
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	59842				



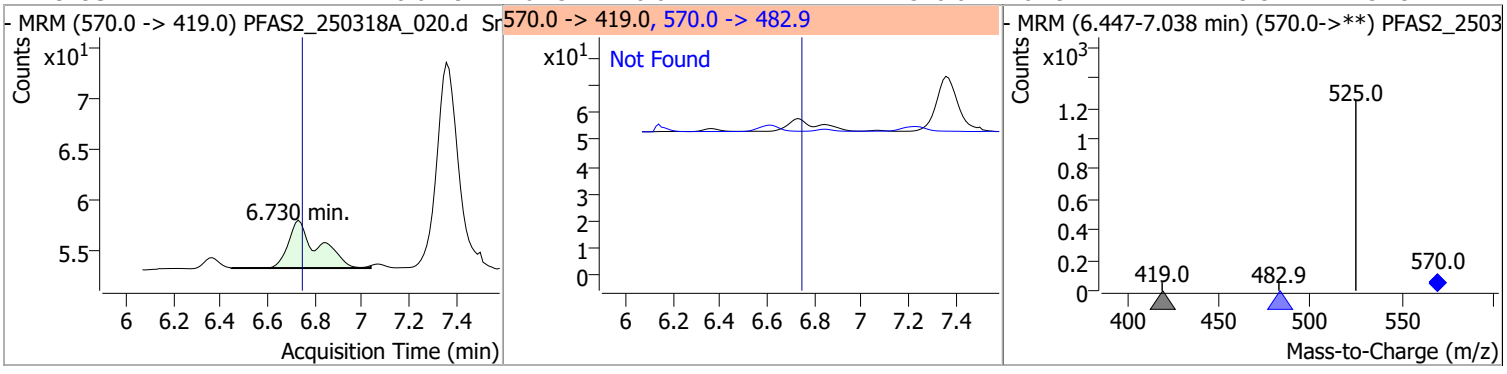
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0001	6.48	-0.13	143	513.0 -> 219.0		8.7	16.2



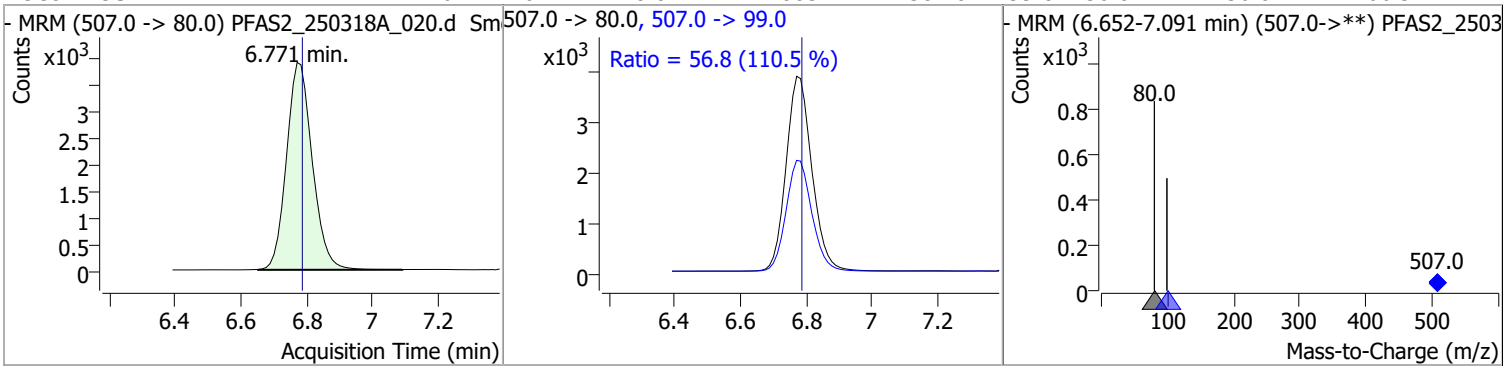
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1575	6.74	0.00	49358				



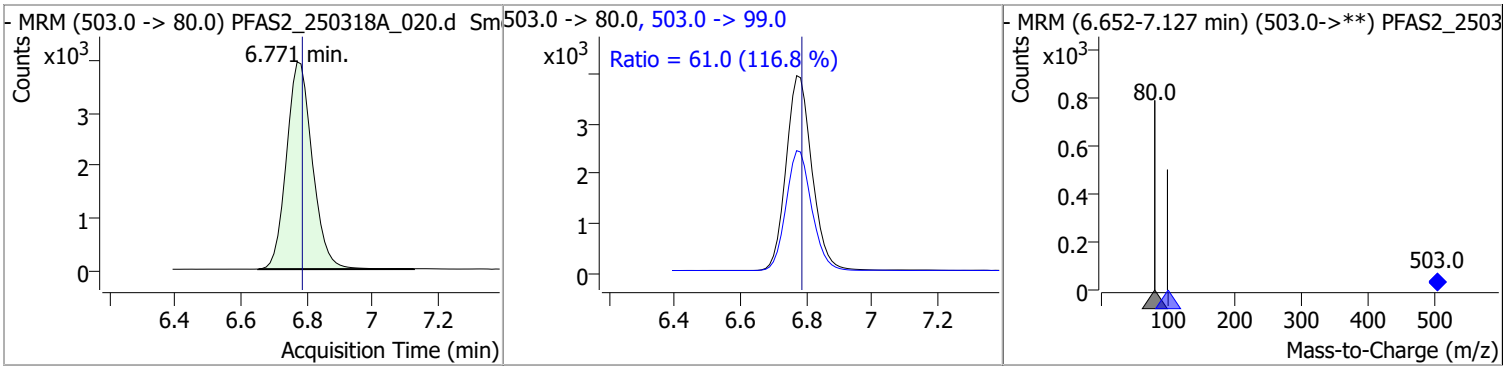
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0129	6.73	-0.01	42	570.0 -> 482.9		29.5	54.9



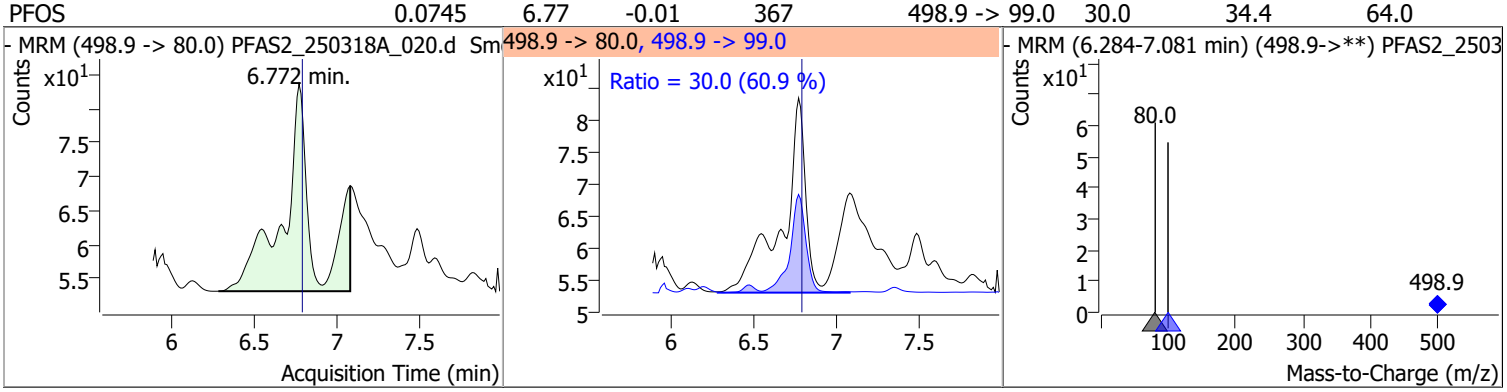
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4262	6.77	-0.01	21003	507.0 -> 99.0	56.8	36.0	66.9



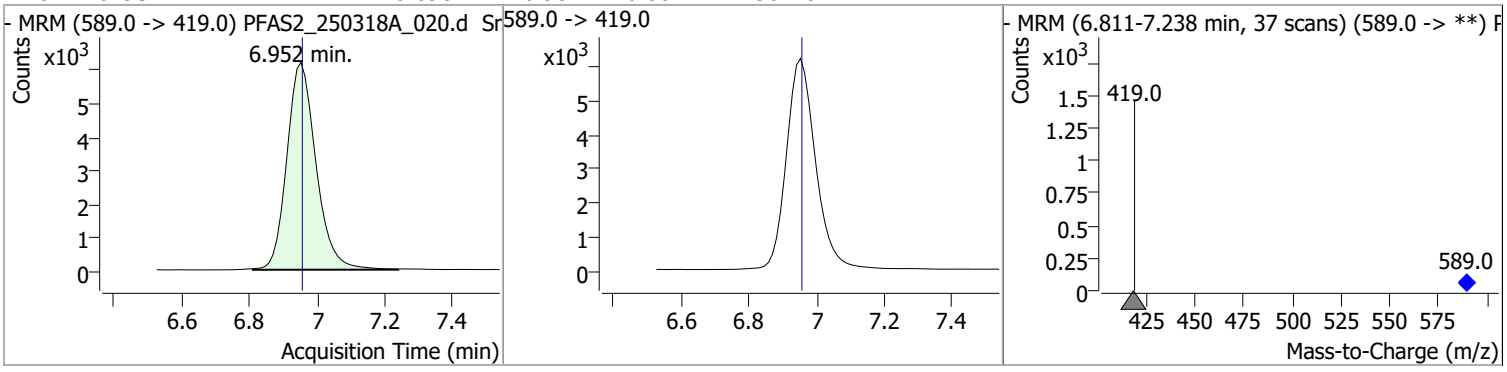
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	21329	503.0 -> 99.0	61.0	36.6	67.9



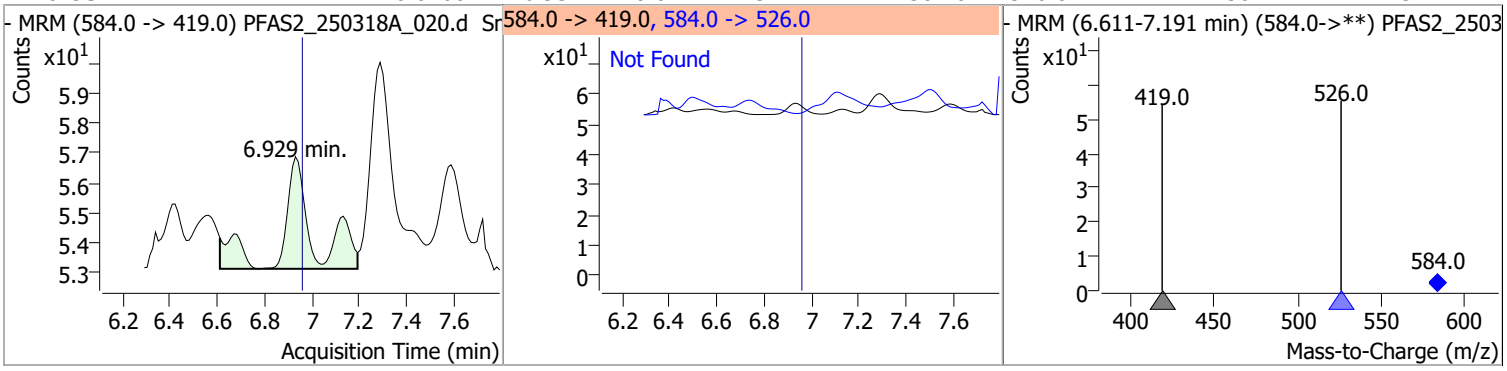
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0745	6.77	-0.01	367	498.9 -> 99.0	30.0	34.4	64.0



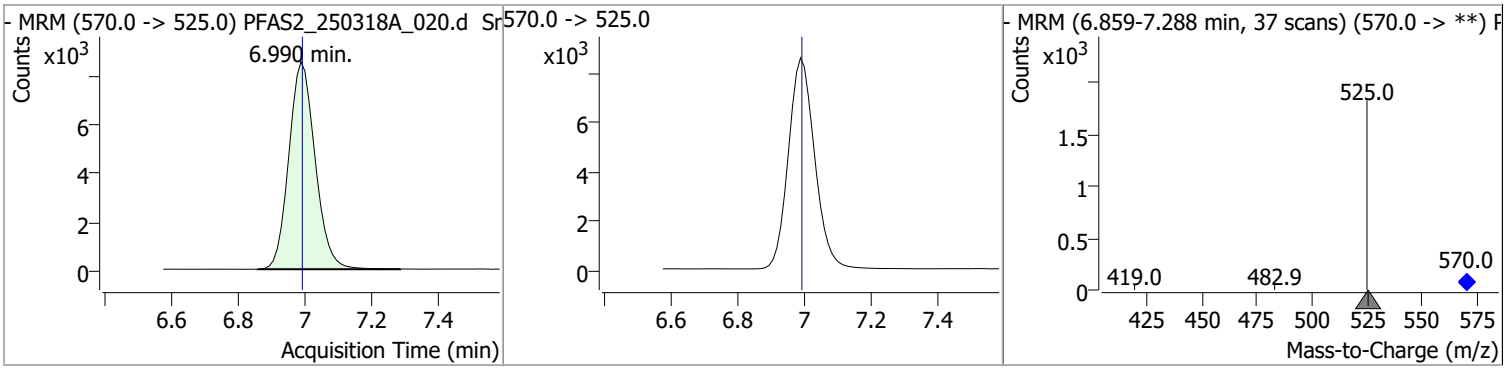
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0904	6.95	0.00	36779				



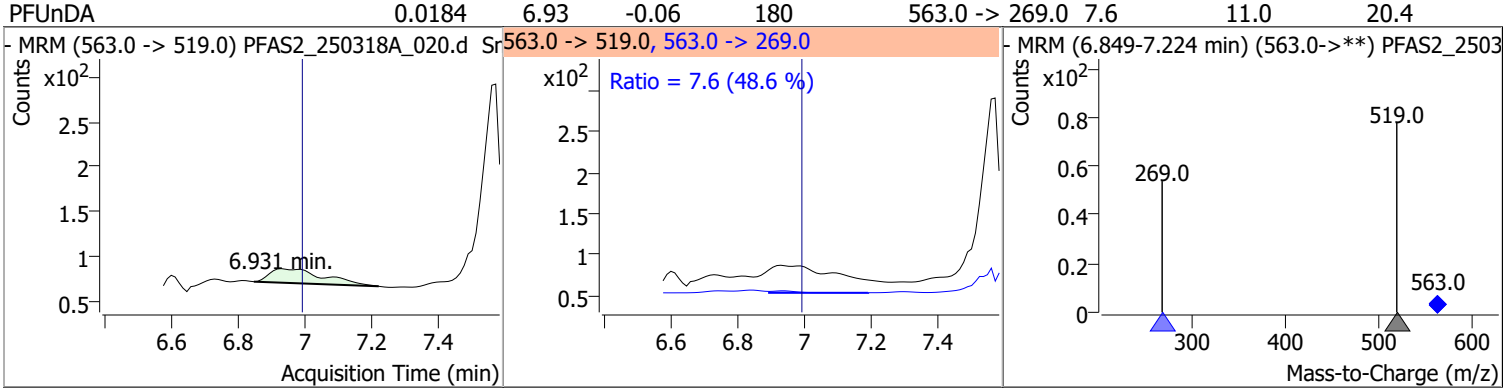
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0160	6.93	-0.02	34	584.0 -> 526.0		38.4	71.3



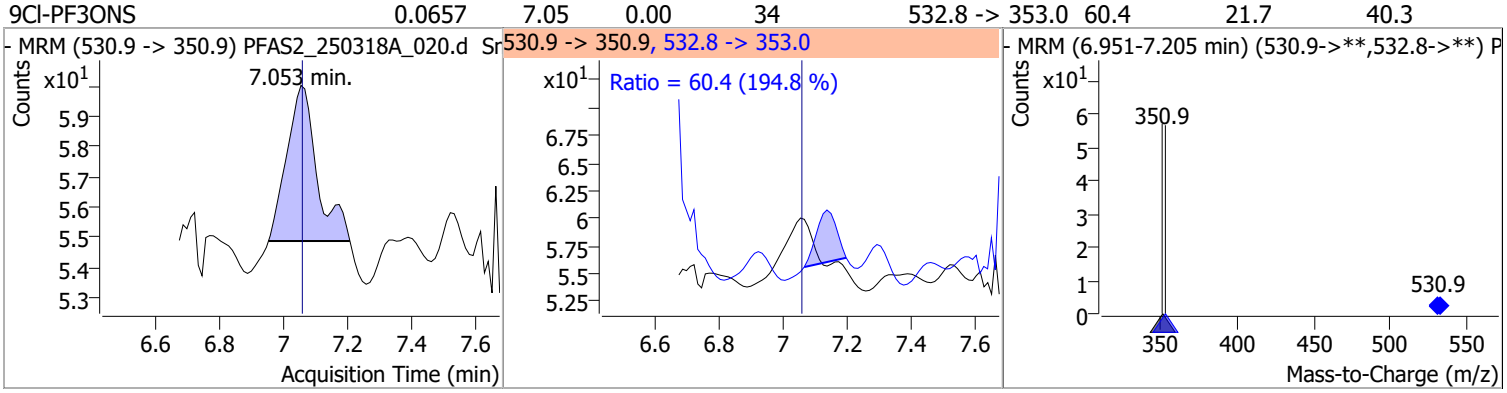
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2255	6.99	0.00	47032				



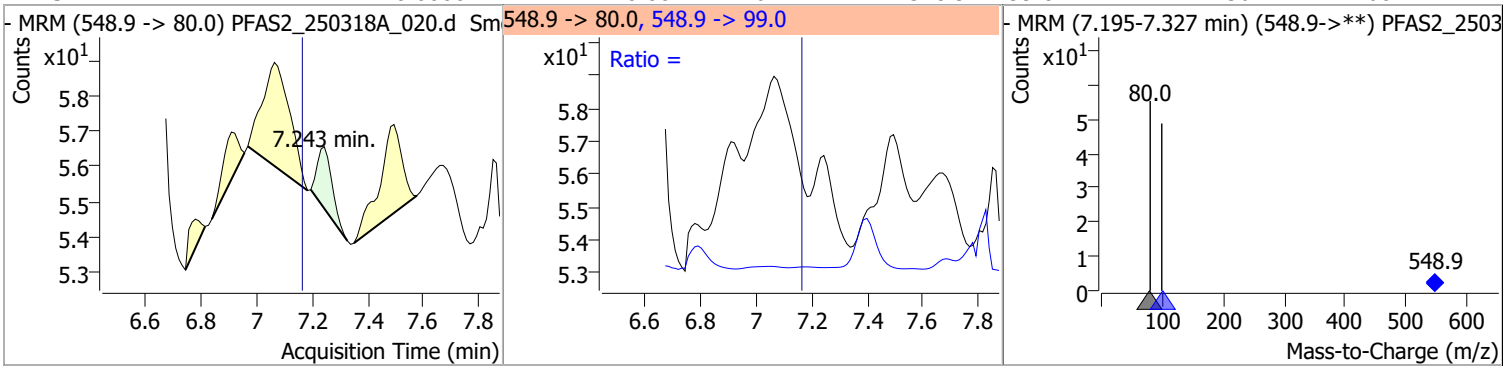
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0184	6.93	-0.06	180	563.0 -> 269.0	7.6	11.0	20.4



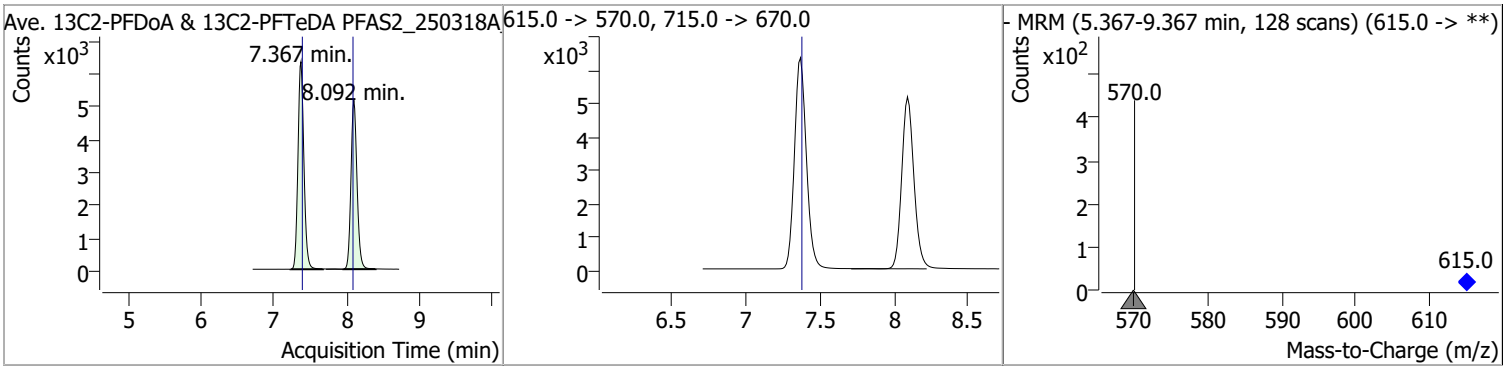
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0657	7.05	0.00	34	532.8 -> 353.0	60.4	21.7	40.3



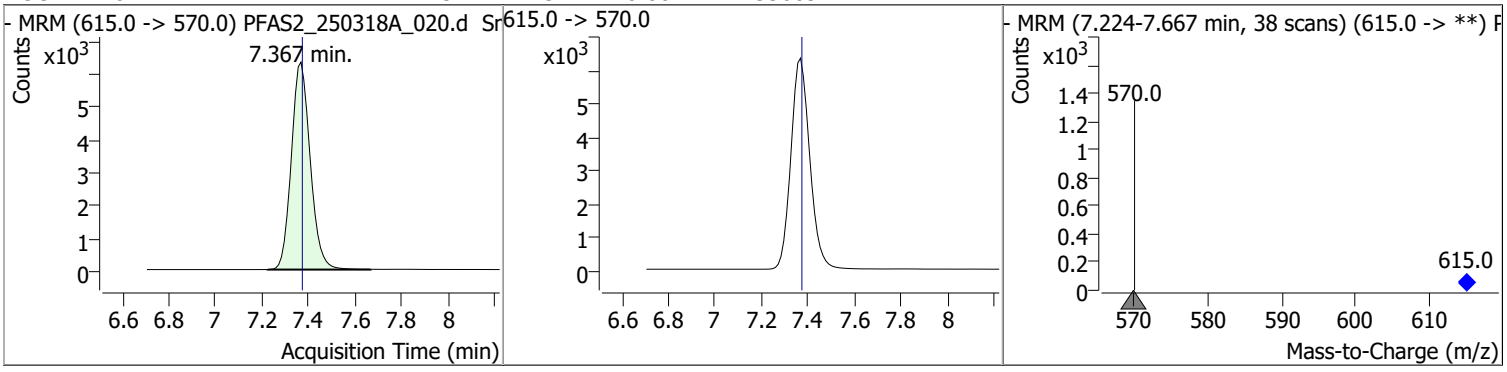
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0008	7.24	0.08	6	548.9 -> 99.0		36.7	68.1



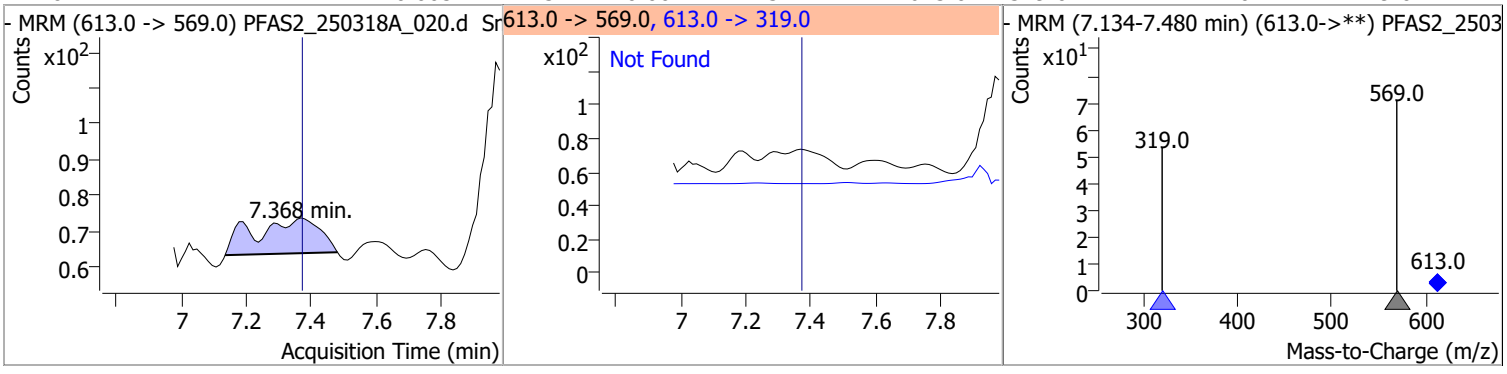
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0326	7.73	0.36	32664				



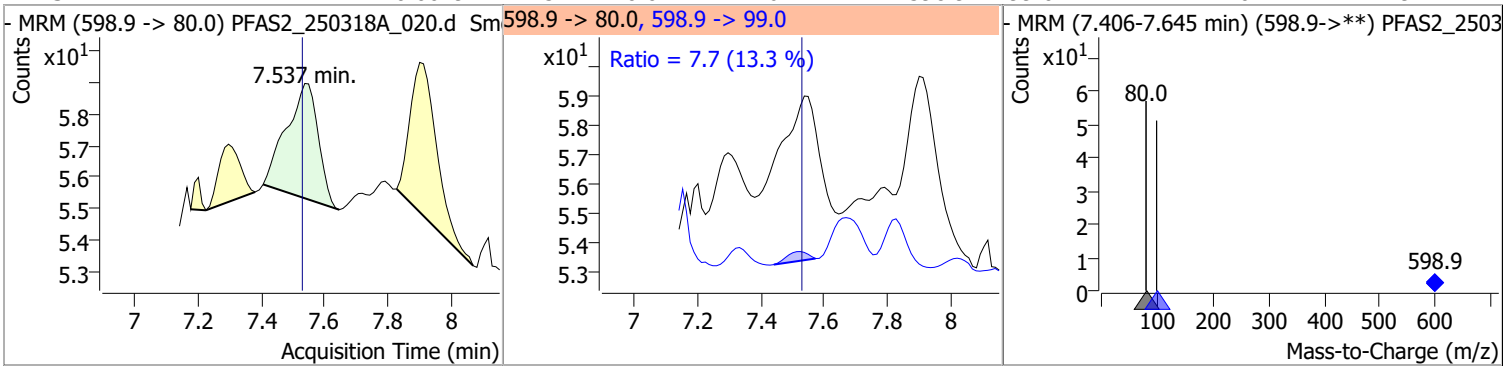
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2454	7.37	0.00	35609				



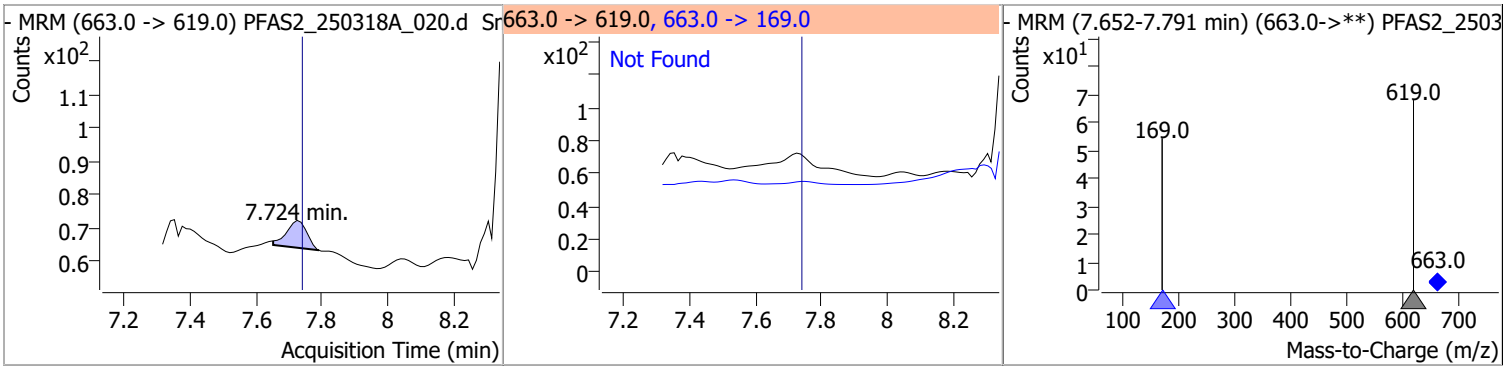
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0052	7.37	0.00	137	613.0 -> 319.0		10.2	19.0



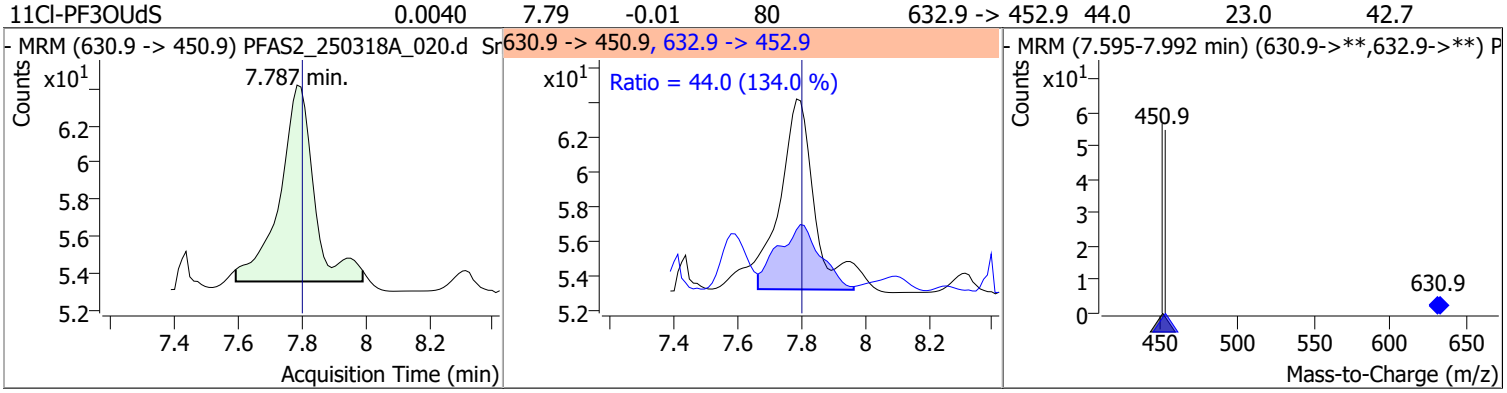
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0049	7.54	0.01	26	598.9 -> 99.0	7.7	40.4	74.9



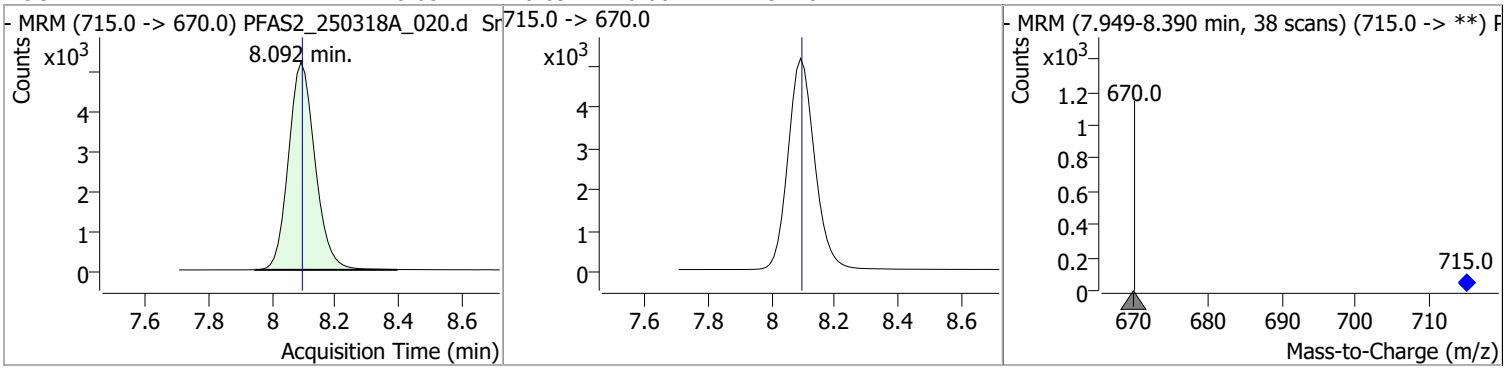
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0014	7.72	-0.01	34	663.0 -> 169.0		7.2	13.4



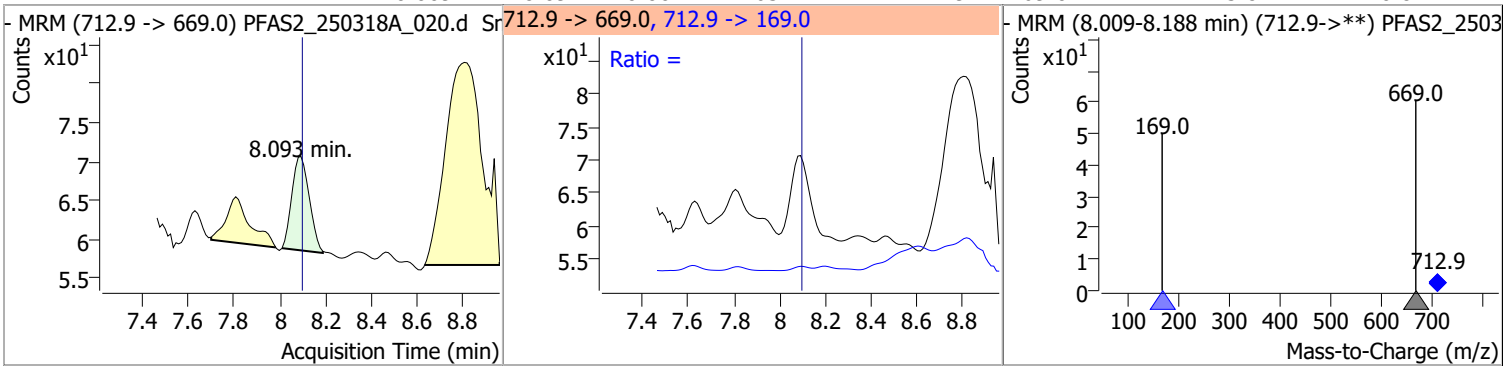
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0040	7.79	-0.01	80	632.9 -> 452.9	44.0	23.0	42.7



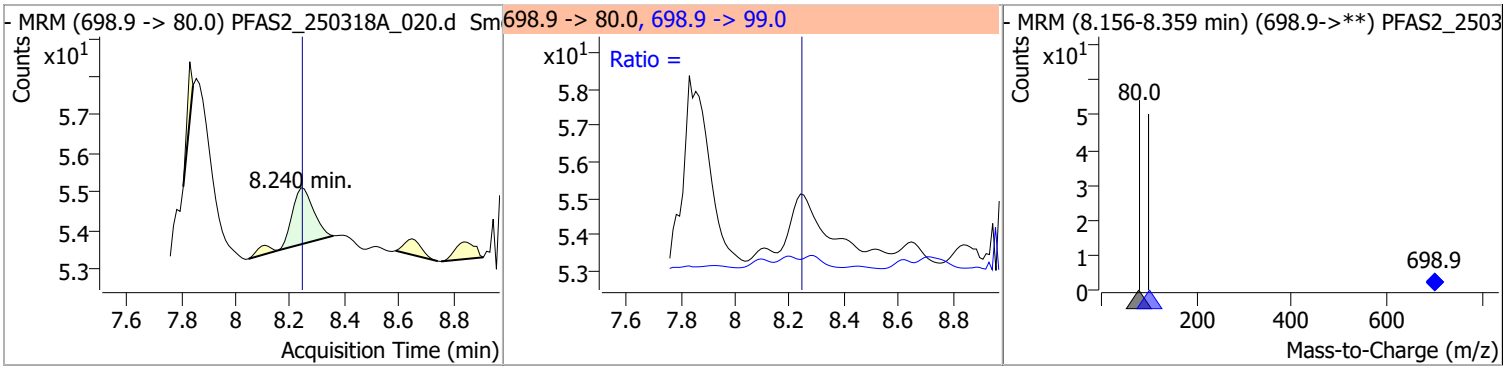
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8572	8.09	0.00	29718				



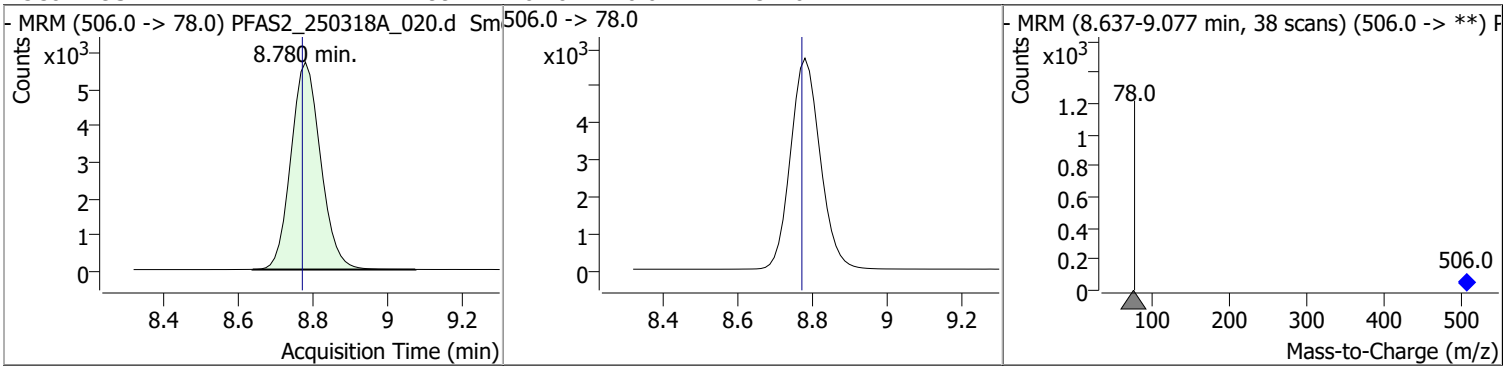
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0092	8.09	0.00	63	712.9 -> 169.0		5.8	10.8



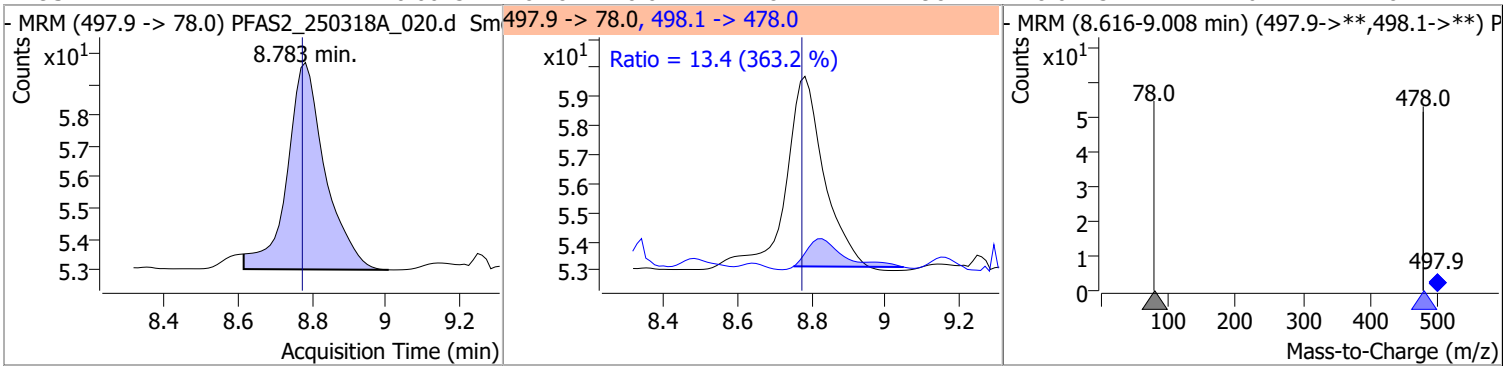
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0021	8.24	0.00	8	698.9 -> 99.0		41.0	76.1



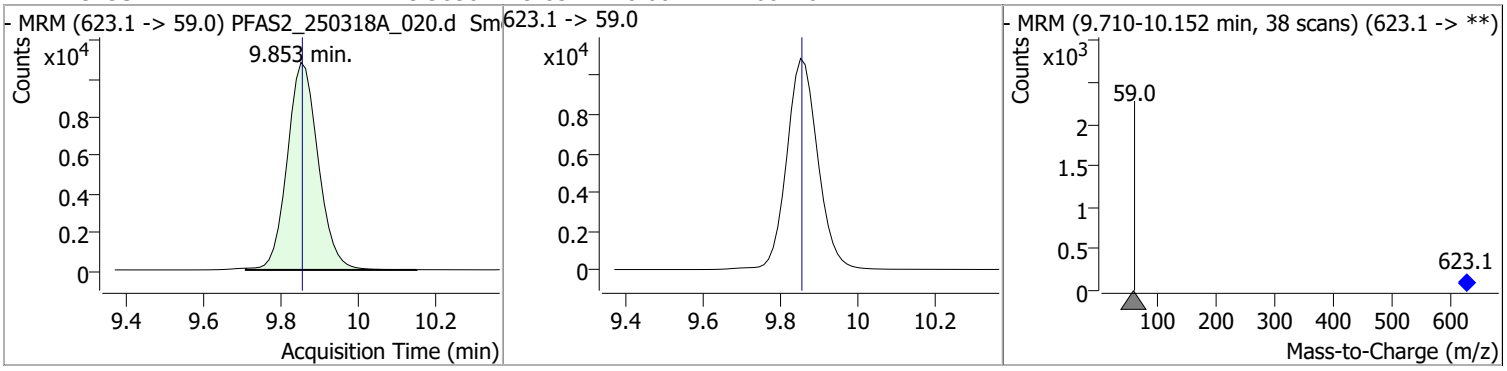
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4991	8.78	0.01	31701				



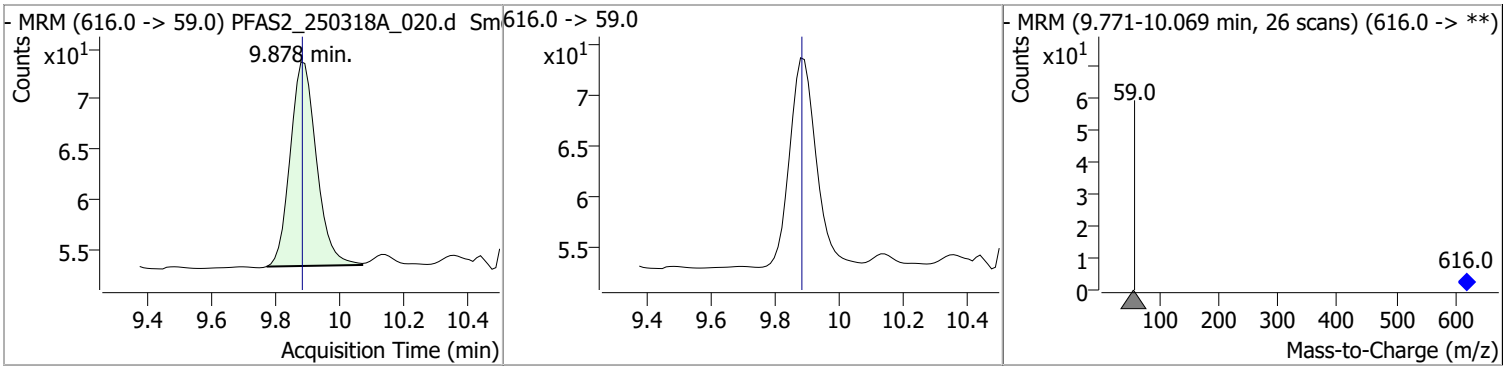
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0043	8.78	0.01	48	498.1 -> 478.0	13.4	2.6	4.8



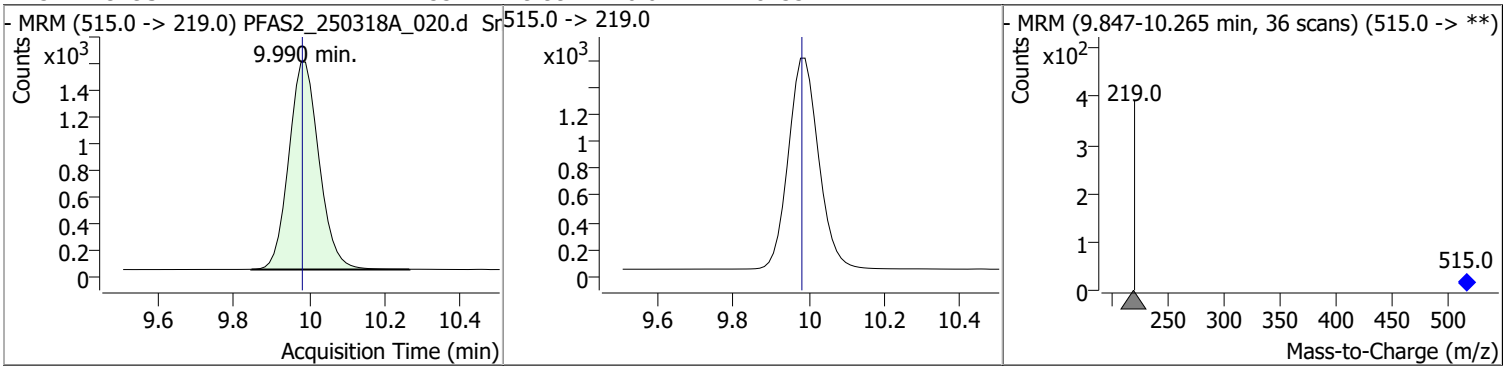
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.9858	9.85	0.00	60140				



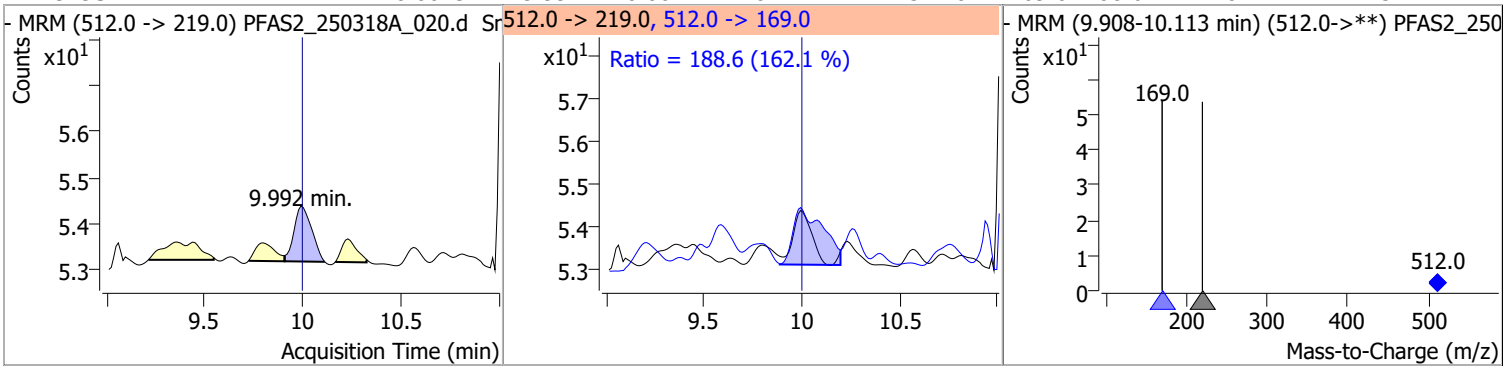
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0177	9.88	0.00	116				



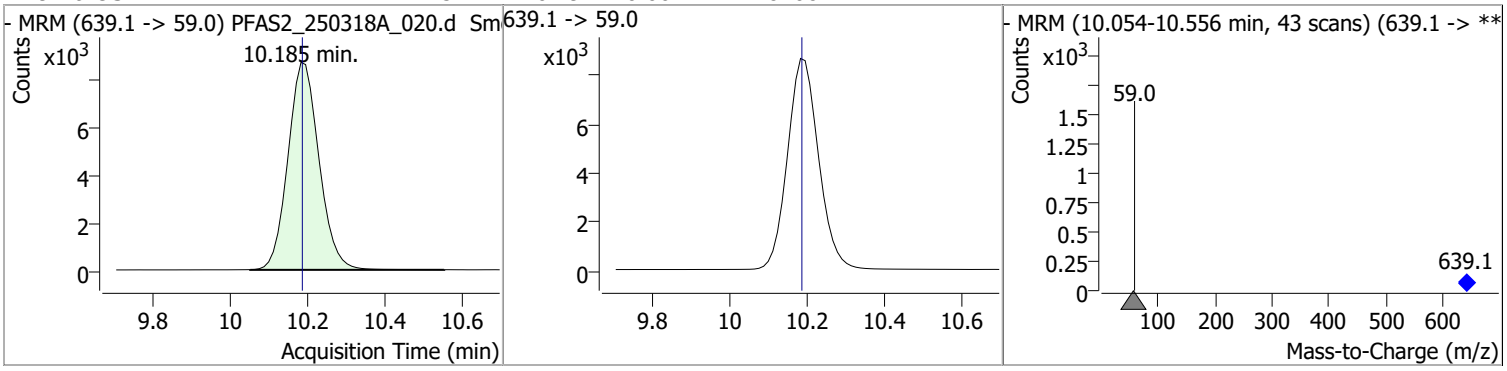
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4531	9.99	0.01	8733				



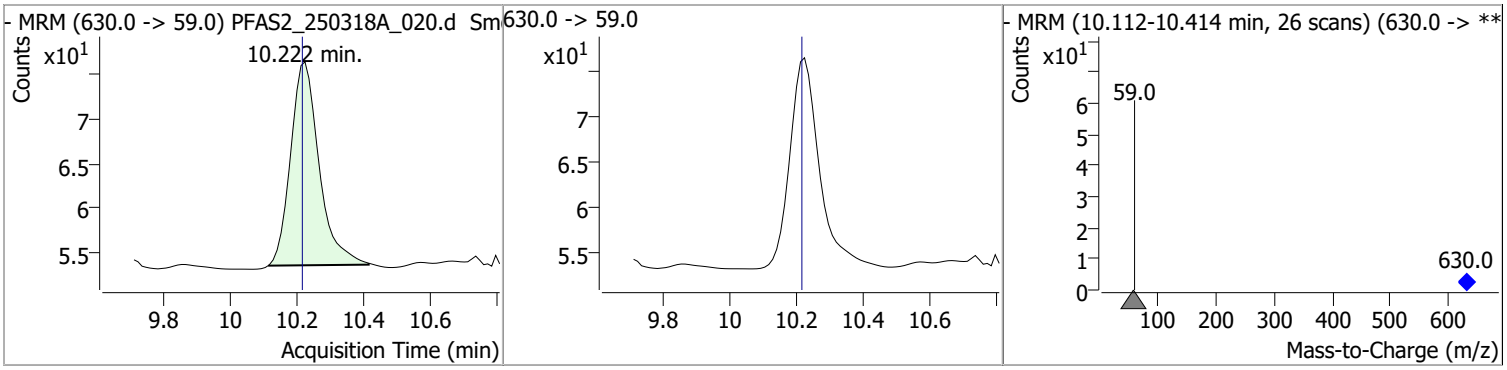
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0023	9.99	0.00	8	512.0 -> 169.0	188.6	81.4	151.2



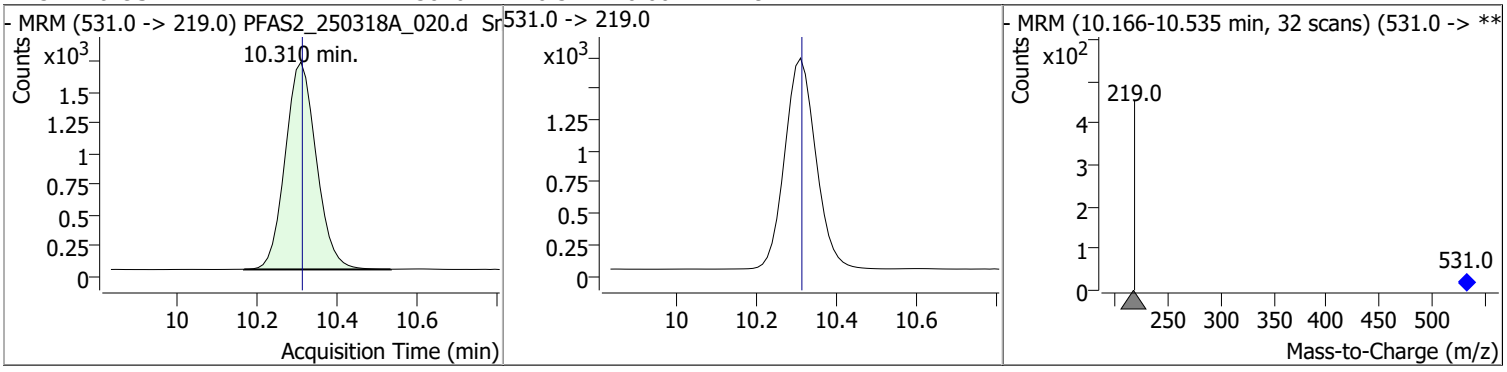
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1541	10.19	0.00	48208				



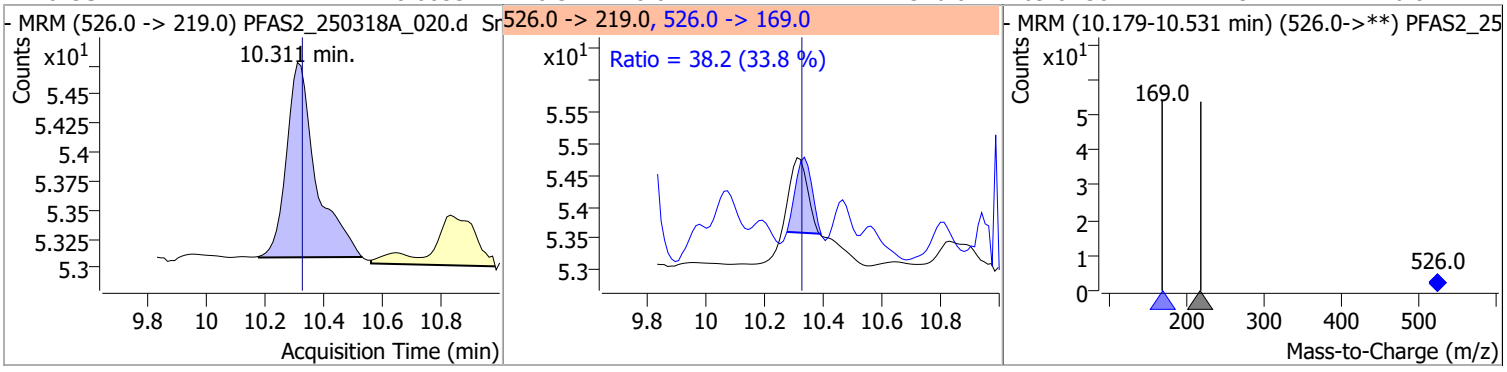
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0880	10.22	0.01	136				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3826	10.31	0.00	9171				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0033	10.31	-0.01	12	526.0 -> 169.0	38.2	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_036.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 1:19:57 AM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

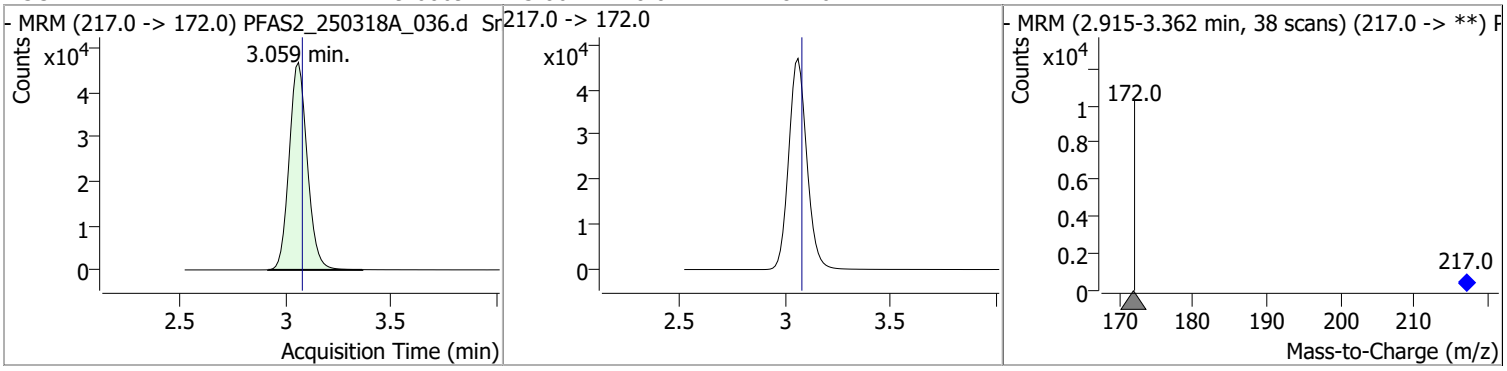
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	127545	5.0000	µg/L		-6.794
13C2-PFHxA	4.890	315.0 -> 270.0	141458	2.5000	µg/L		-7.799
18O2-PFHxS	5.955	403.0 -> 84.0	27322	2.5000	µg/L		-7.789
13C4-PFOA	5.823	417.0 -> 172.0	14649	2.5000	µg/L		-5.169
13C5-PFNA	6.214	468.0 -> 423.0	73550	1.2500	µg/L		3.341
13C2-PFDA	6.603	515.0 -> 470.0	66706	1.2500	µg/L		-0.254
13C4-PFOS	6.759	503.0 -> 80.0	23773	2.5000	µg/L		-4.562
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	278446	10.0000	µg/L		-10.419
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	183583	5.0000	µg/L		-11.278
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C5-PFPeA	4.222	268.0 -> 223.0	183583	5.0000	µg/L		-11.278
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24514	5.0000	µg/L	#	-2.970
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.65%			
13C5-PFHxA	4.889	318.0 -> 273.0	143366	2.5000	µg/L		-15.090
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C5-PFHxA	4.889	318.0 -> 273.0	143366	2.5000	µg/L		-15.090
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C3-PFBS	4.929	302.0 -> 80.0	51498	2.5000	µg/L		-15.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	162250	10.0000	µg/L		-7.164
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.69%			
13C4-PFHpA	5.397	367.0 -> 322.0	171940	2.5000	µg/L		-8.972
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.76%			
13C3-PFHxS	5.956	402.0 -> 80.0	29701	2.5000	µg/L		-15.016
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14594	5.0000	µg/L	#	-1.182
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.28%			
13C8-PFOA	5.823	421.0 -> 376.0	158308	2.5000	µg/L		-8.355
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.66%			
13C3-PFHxS	5.956	402.0 -> 80.0	29701	2.5000	µg/L		-15.016
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C9-PFNA	6.213	472.0 -> 427.0	66378	1.2500	µg/L		-5.799
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.11%			
13C8-PFOS	6.759	507.0 -> 80.0	24050	2.5000	µg/L		-4.880
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10666	5.0000	µg/L	#	-9.956
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.52%			
13C6-PFDA	6.591	519.0 -> 474.0	65973	1.2500	µg/L		-2.924
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.23%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	50705	5.0000	µg/L		-9.161
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C8-PFOS	6.759	507.0 -> 80.0	24050	2.5000	µg/L		-4.880

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.70%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	43502	5.0000	µg/L		3.160
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 108.04%			
13C7-PFUnDA	6.978	570.0 -> 525.0	52383	1.2500	µg/L		-2.276
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.96%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.712	615.0 -> 570.0	42377	1.2500	µg/L		-3.941
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C2-PFDoDA	7.344	615.0 -> 570.0	40606	1.2500	µg/L		1.654
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.92%			
13C2-PFTDA	8.080	715.0 -> 670.0	44147	1.2500	µg/L		-8.569
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.38%			
13C8-PFOSA	8.780	506.0 -> 78.0	31610	2.5000	µg/L		-14.477
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.43%			
2H7-MeFOSE	9.853	623.1 -> 59.0	88173	25.0000	µg/L		-29.823
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 73.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8410	2.5000	µg/L		-18.899
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.78%			
2H9-EtFOSE	10.185	639.1 -> 59.0	63581	25.0000	µg/L		0.114
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 104.86%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9933	2.5000	µg/L		-11.625
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.61%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.602	229.0 -> 85.0	50	0.0578	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	122	0.0384	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	0.000		0	N.D.			
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.435	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.518	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.551	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.810	413.0 -> 369.0	729	0.0480	µg/L		94
PFHxS	5.957	398.9 -> 80.0	147	0.0128	µg/L	#	72
PFNA	6.226	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	6.597	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.884	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	429	0.0754	µg/L	#	77
N-EtFOSAA	6.871	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.991	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.029	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.015	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	7.513	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.724	663.0 -> 619.0	0	0.0000	µg/L	md	

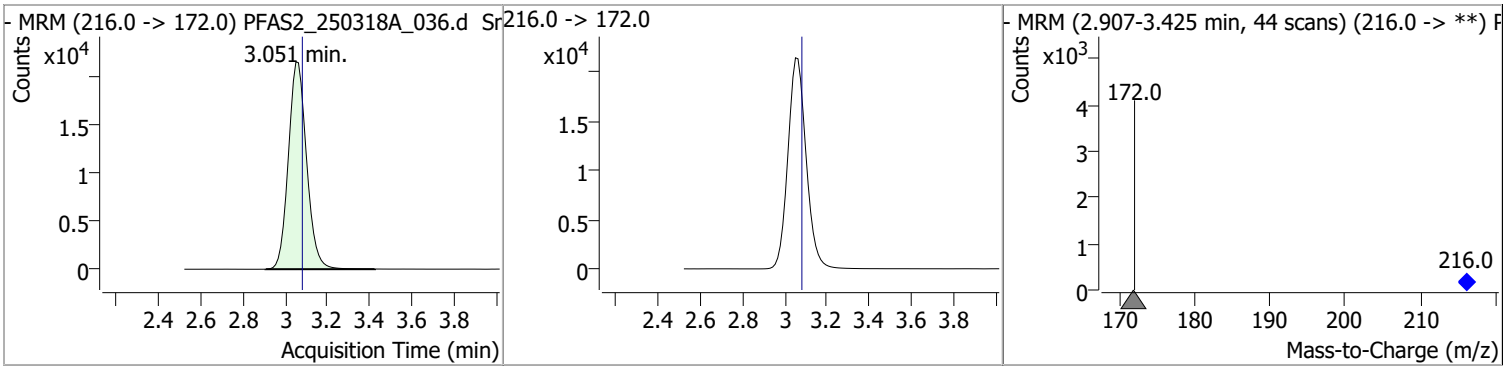
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.775	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.057	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.204	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.771	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	86	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.299	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

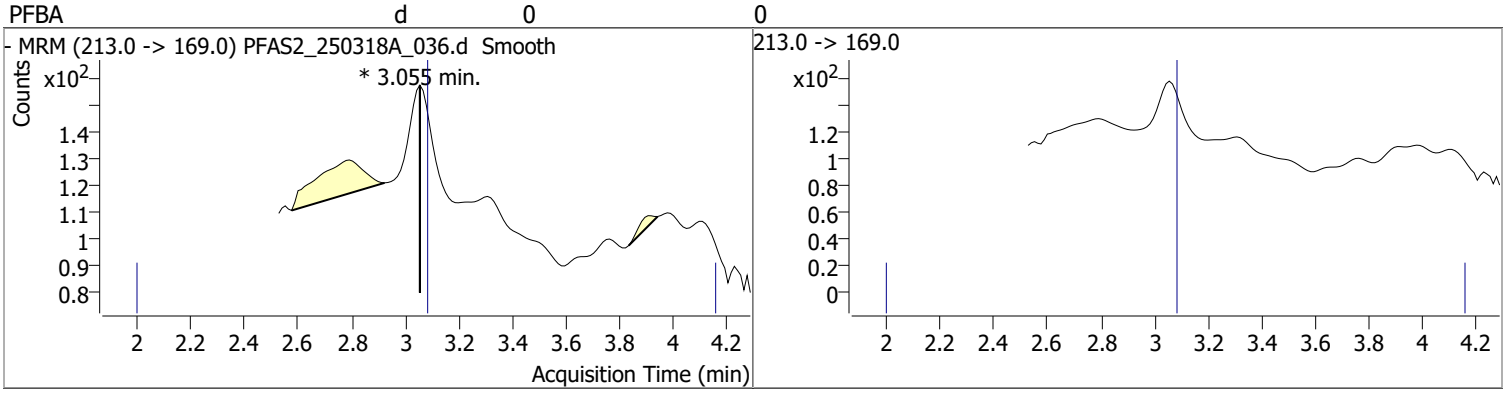
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6069	3.06	-0.01	278446				



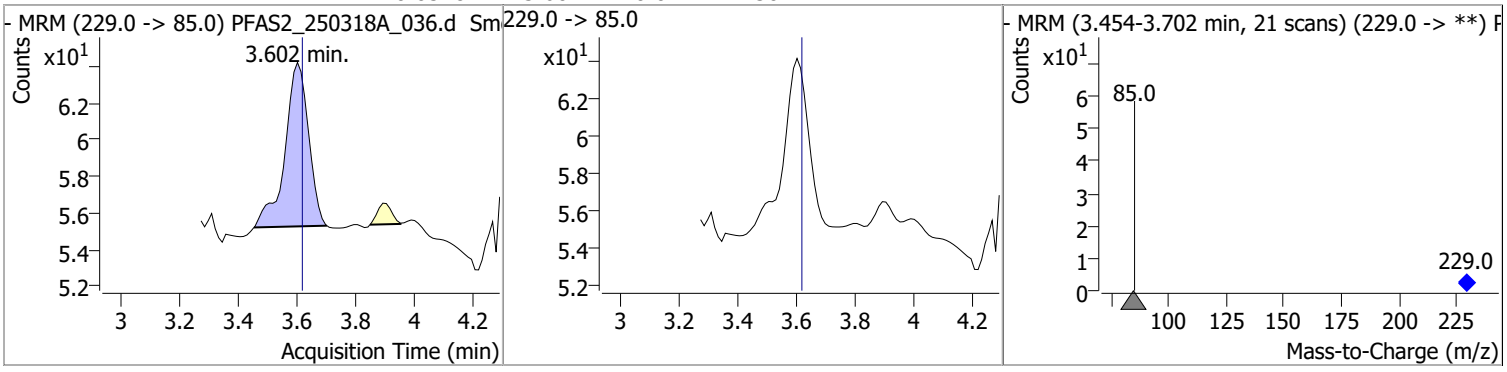
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	127545				



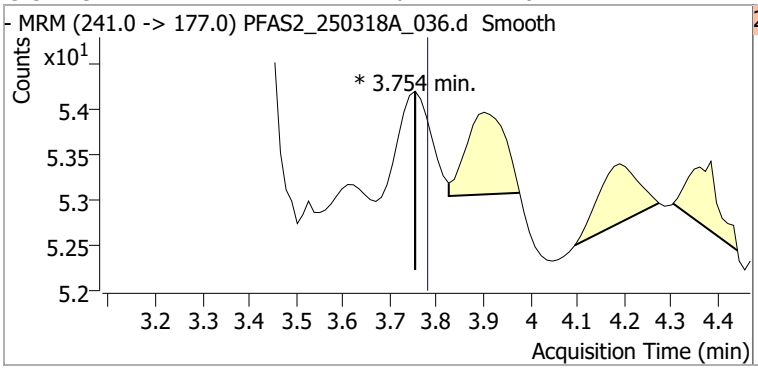
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

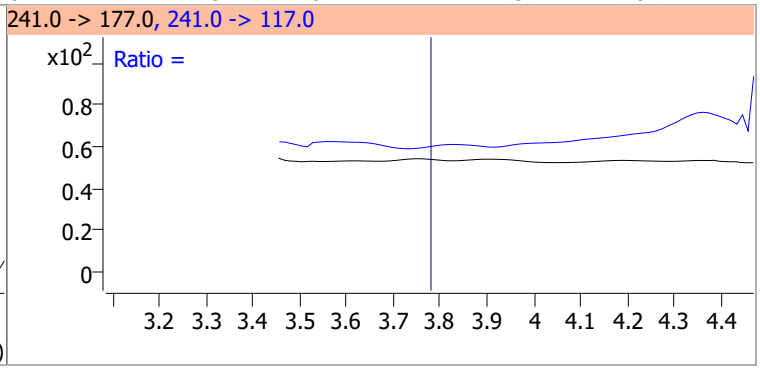


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0578	3.60	-0.01	50				

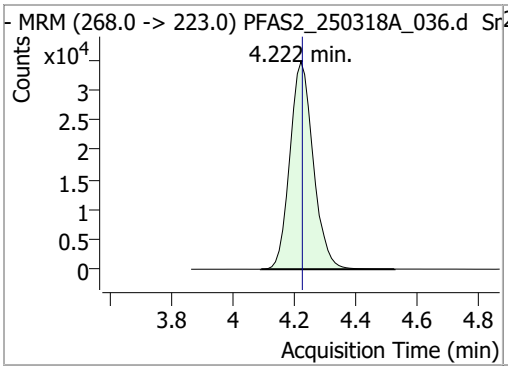


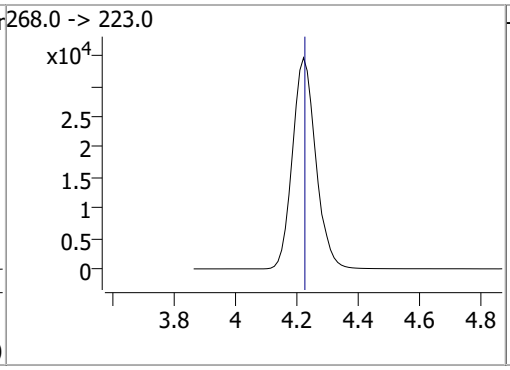
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

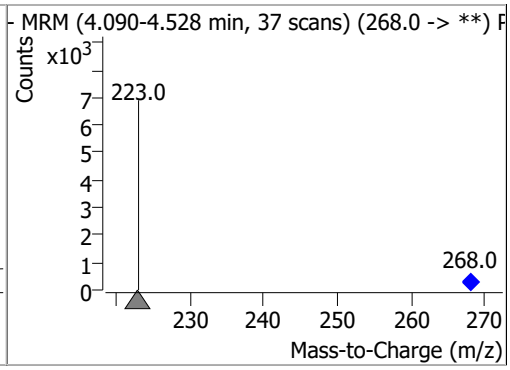




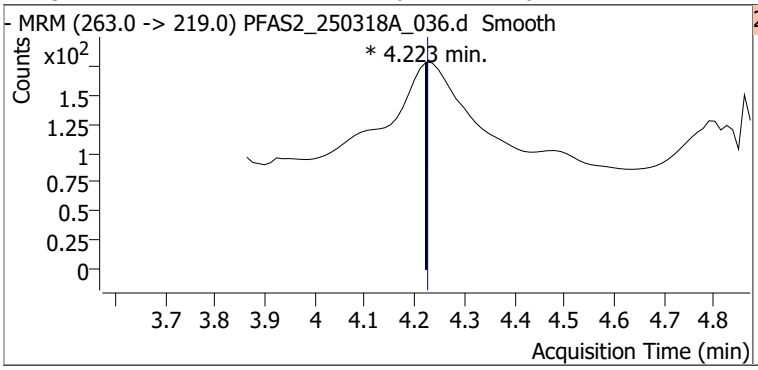
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8117	4.22	0.00	183583				

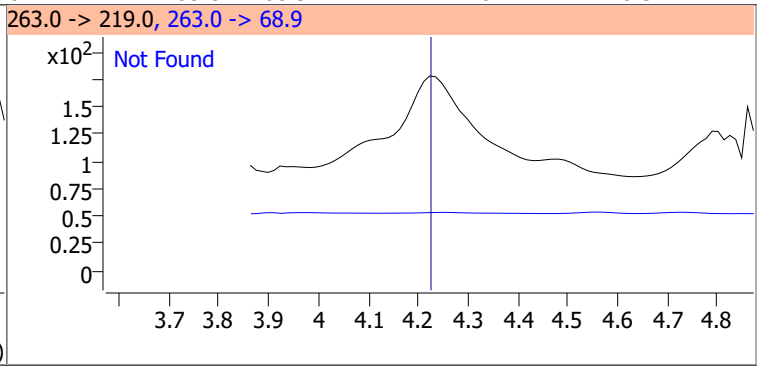




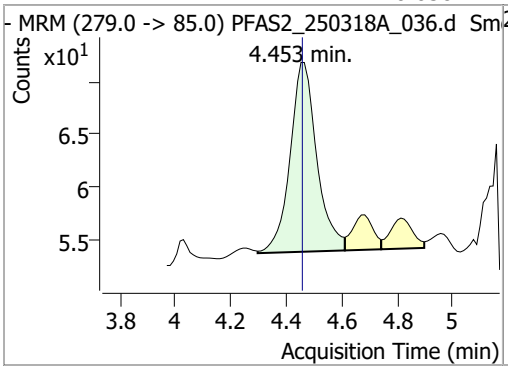


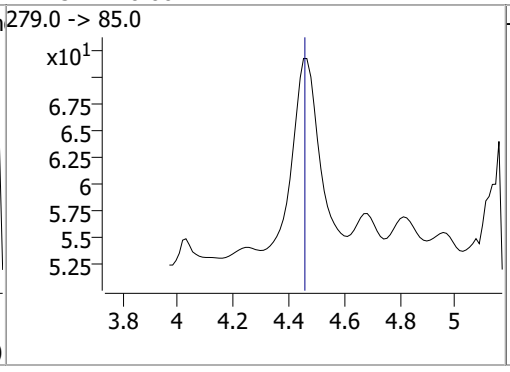
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

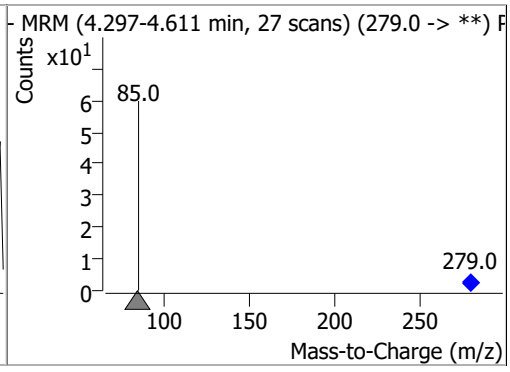




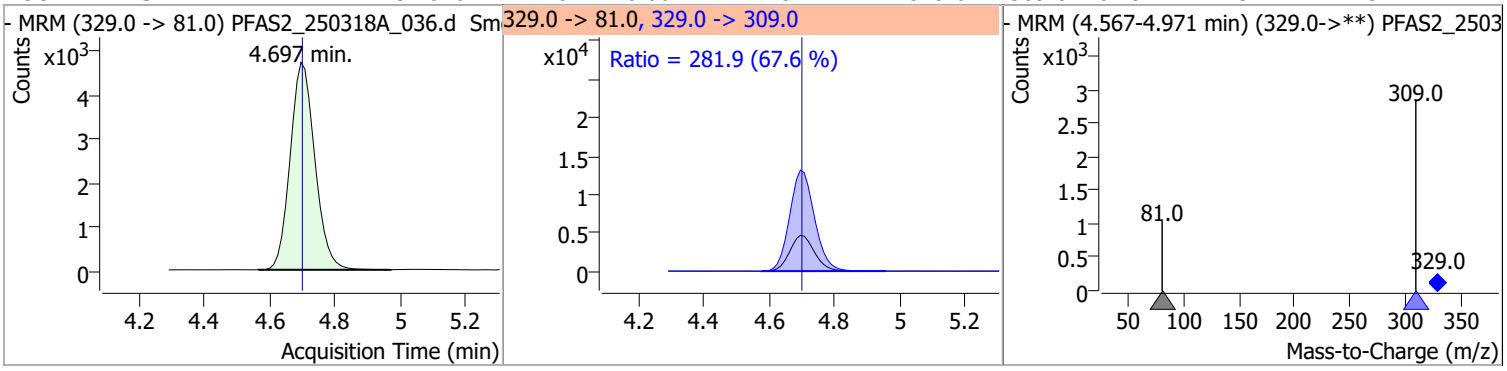
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0384	4.45	0.00	122				



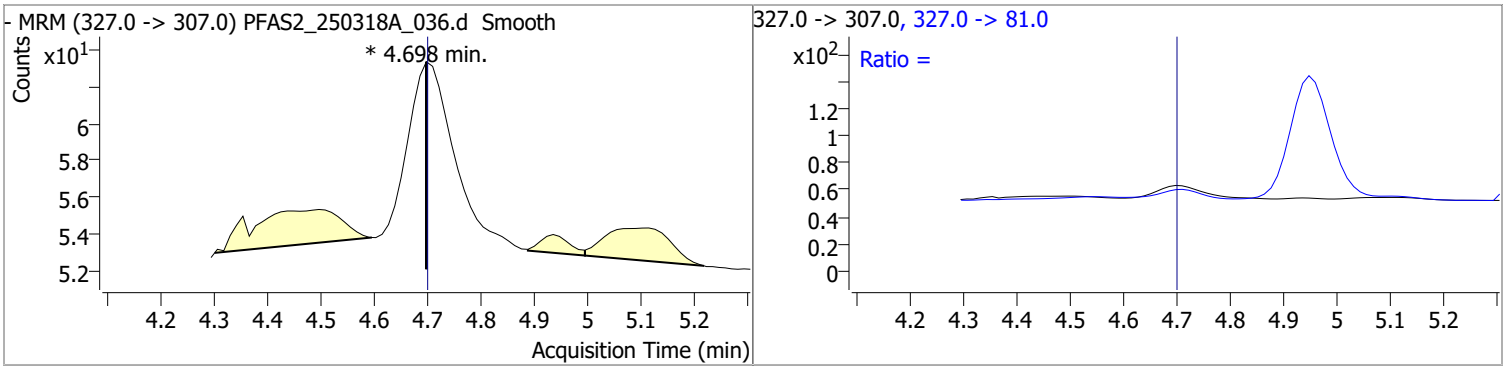




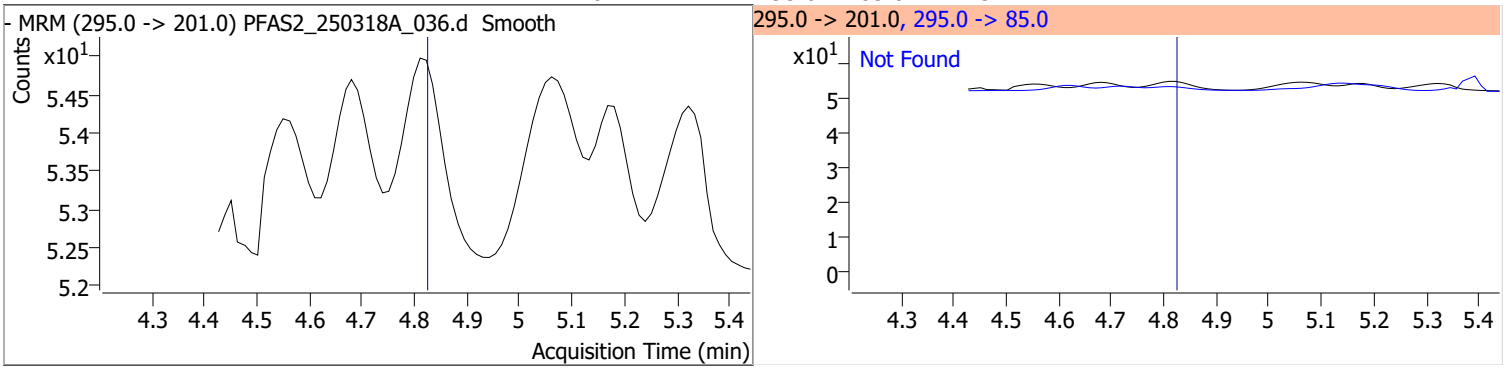
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.2826	4.70	0.00	24514	329.0 -> 309.0	281.9	292.1	542.4



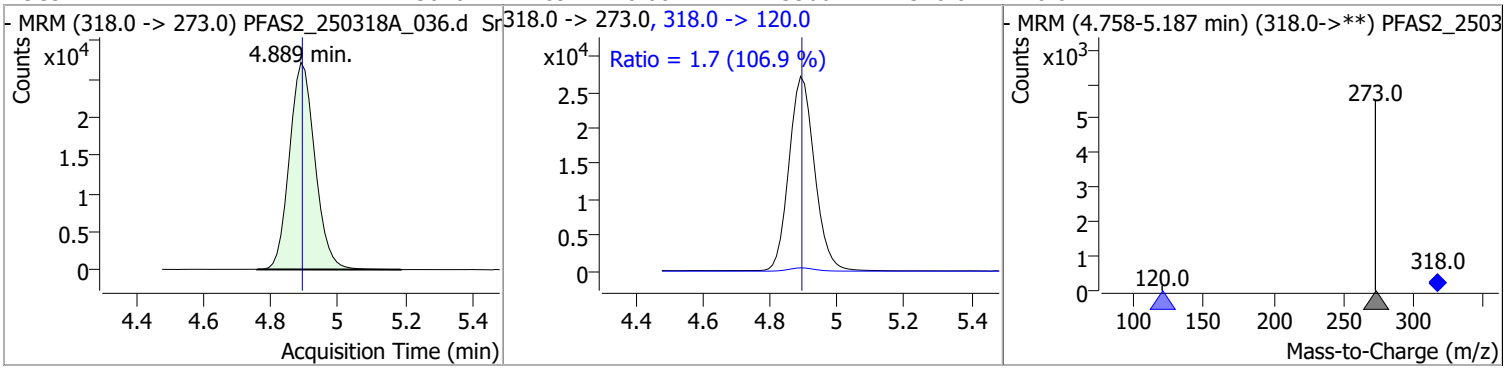
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



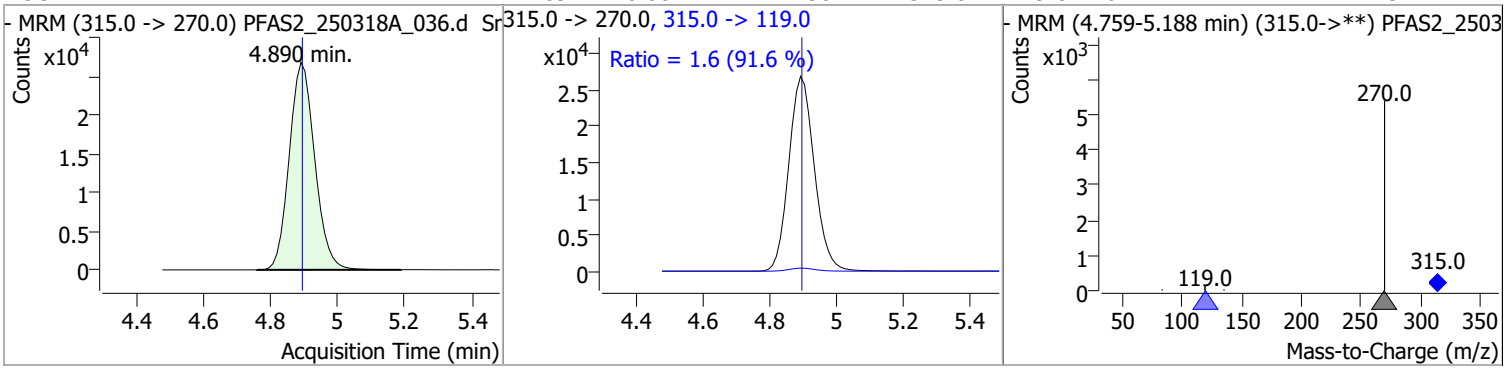
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



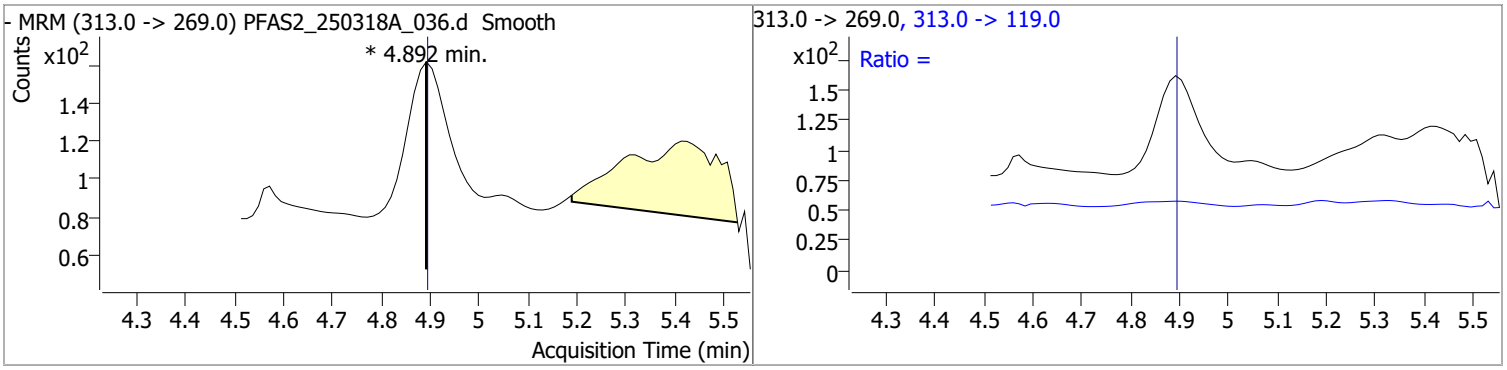
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3018	4.89	0.00	143366	318.0 -> 120.0	1.7	1.1	2.1



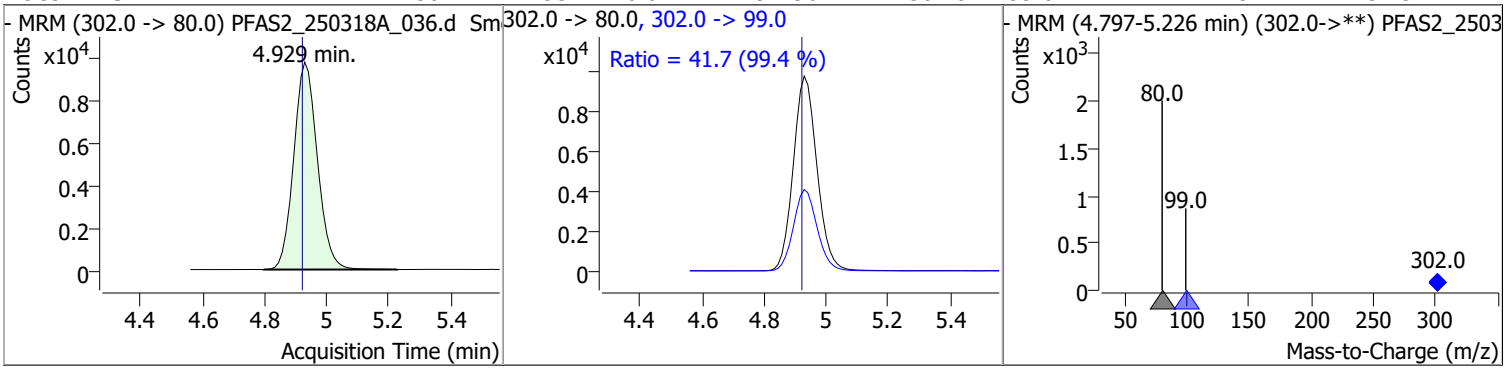
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	141458	315.0 -> 119.0	1.6	1.2	2.3



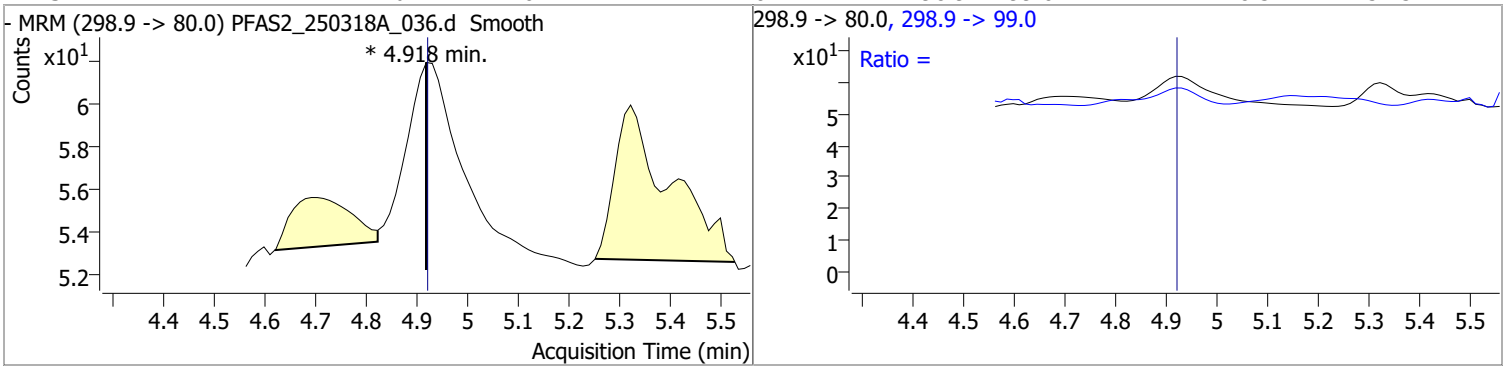
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



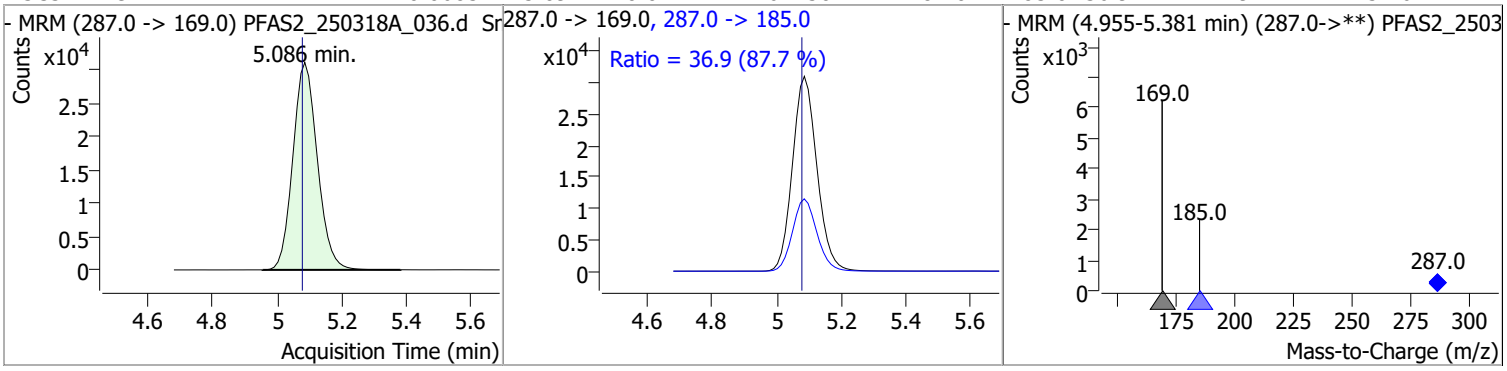
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3017	4.93	0.01	51498	302.0 -> 99.0	41.7	29.4	54.5



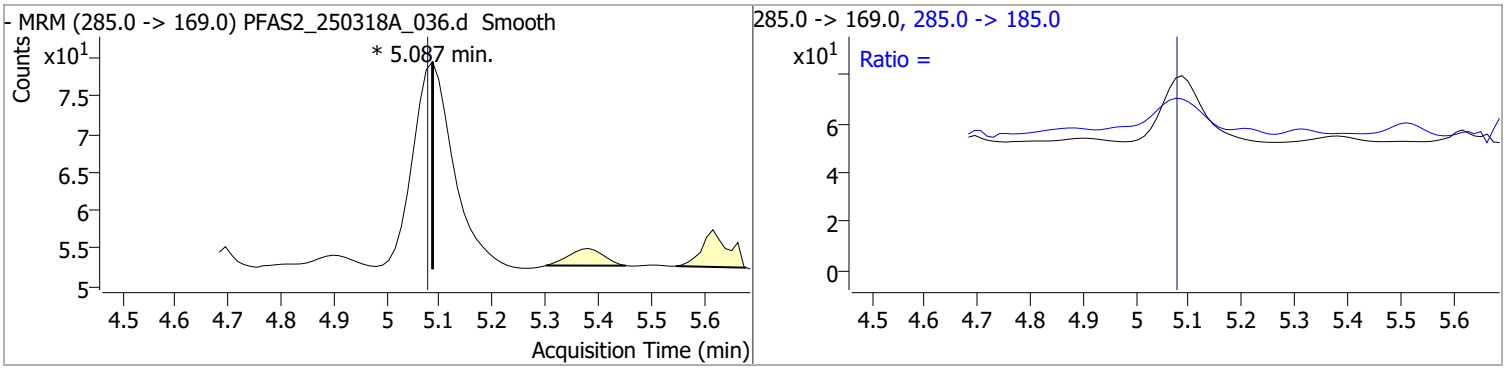
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



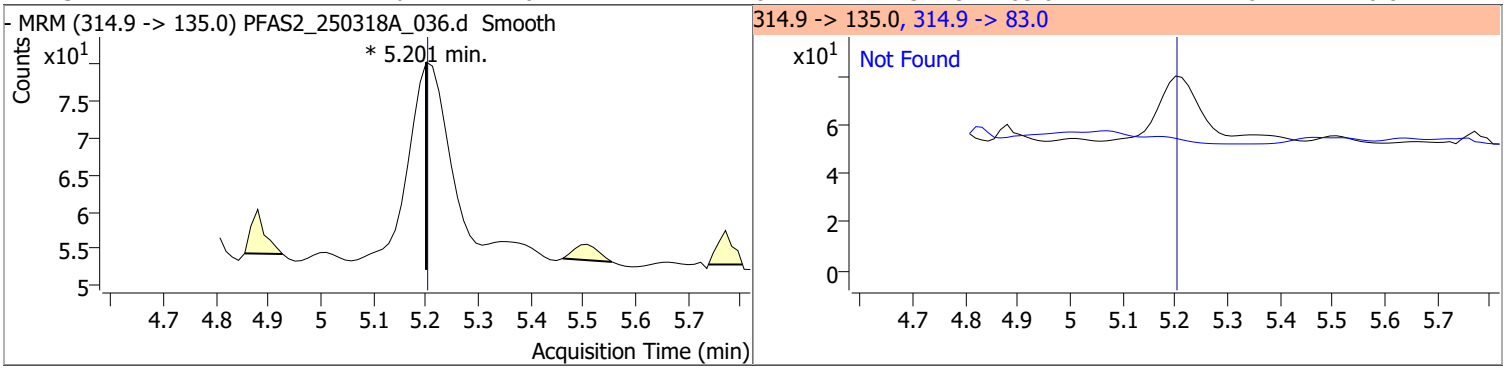
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0685	5.09	0.01	162250	287.0 -> 185.0	36.9	29.4	54.6



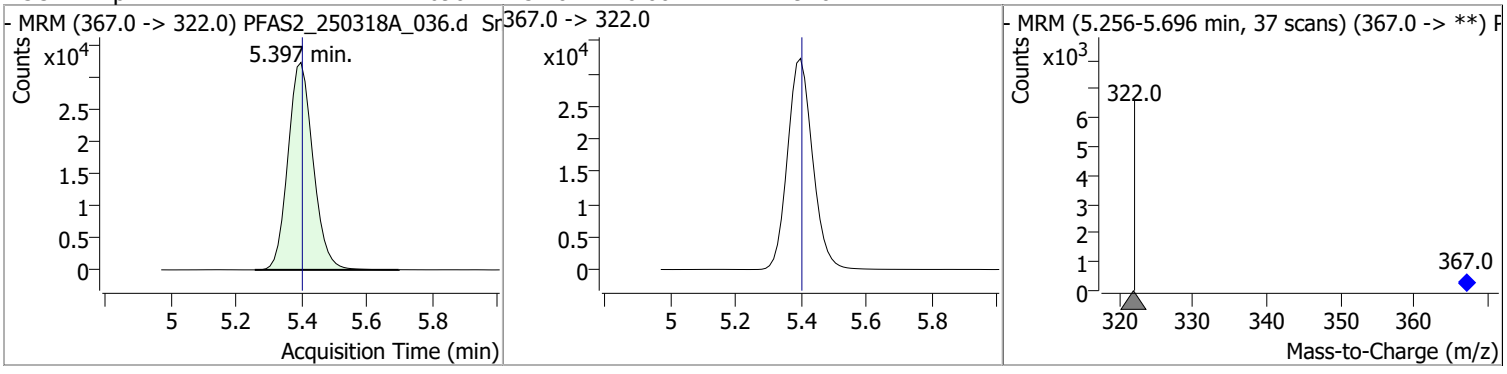
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



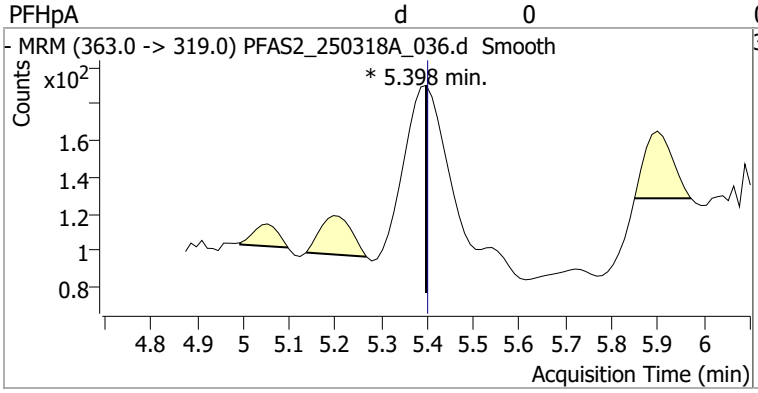
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

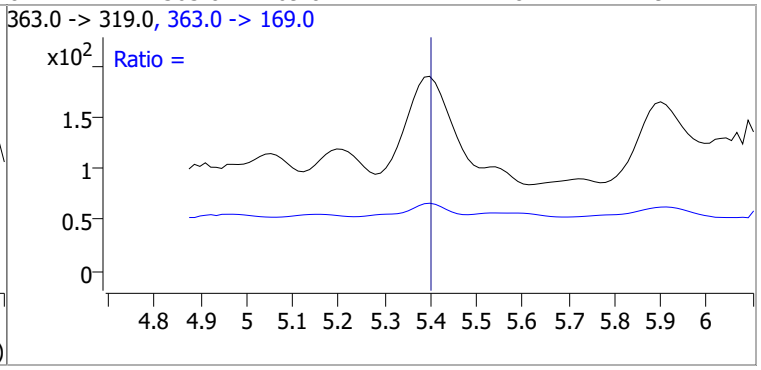


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4690	5.40	0.00	171940				

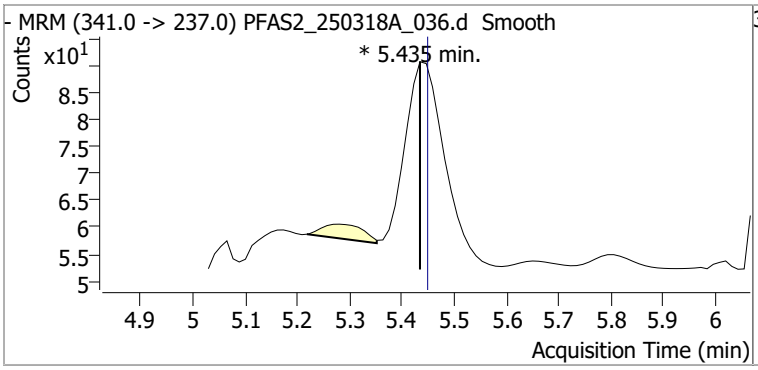


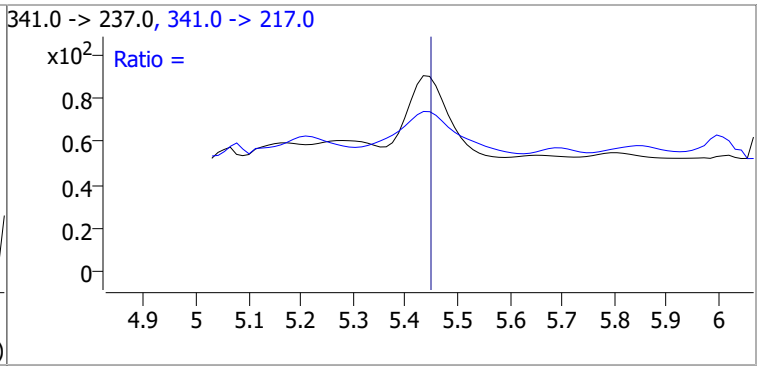
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



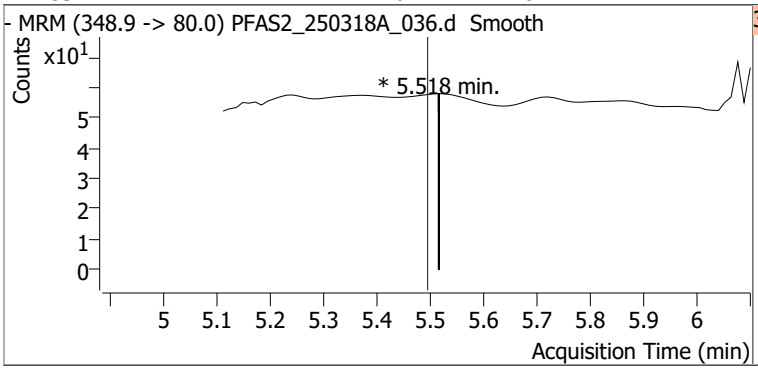


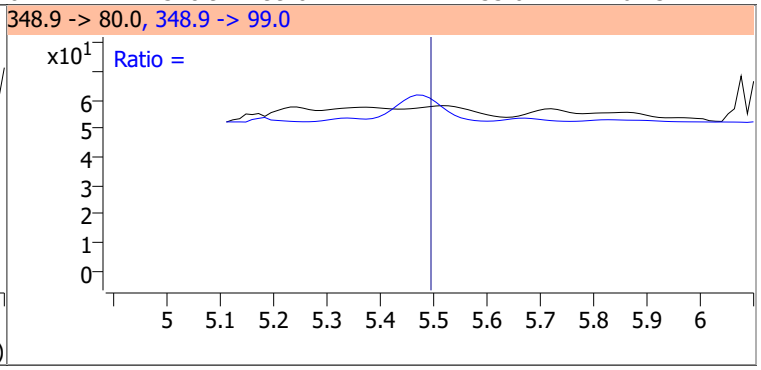
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



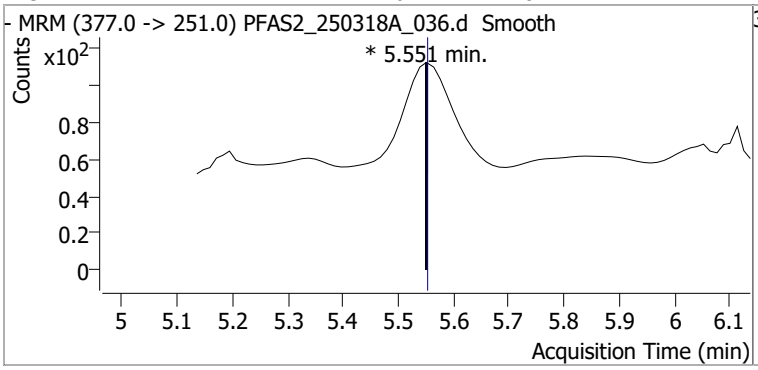


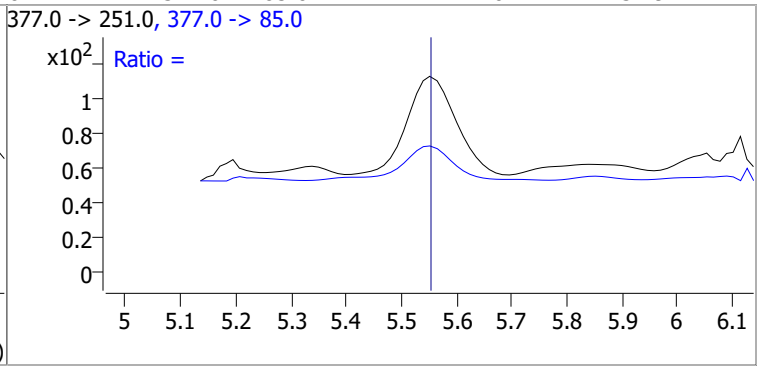
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



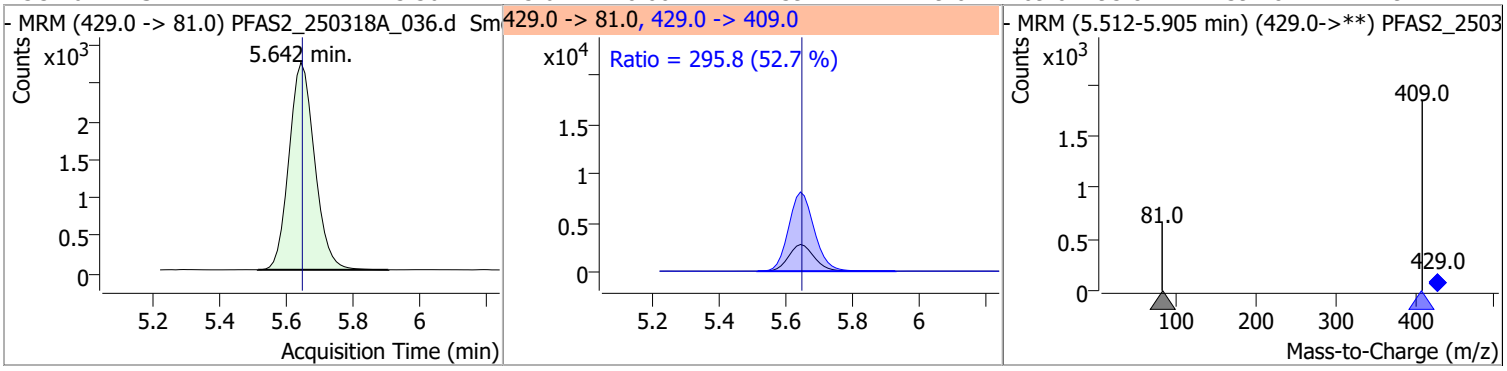


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

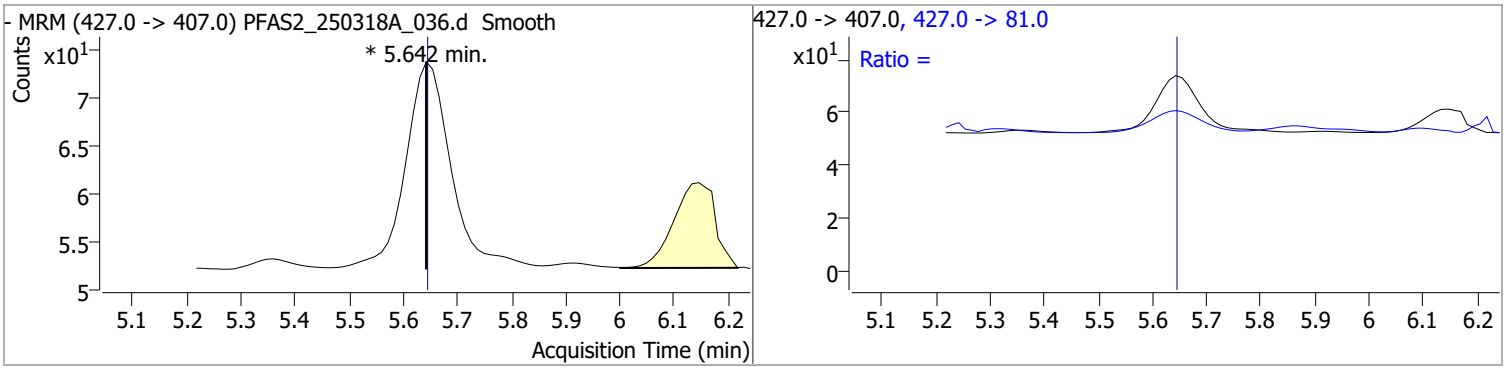




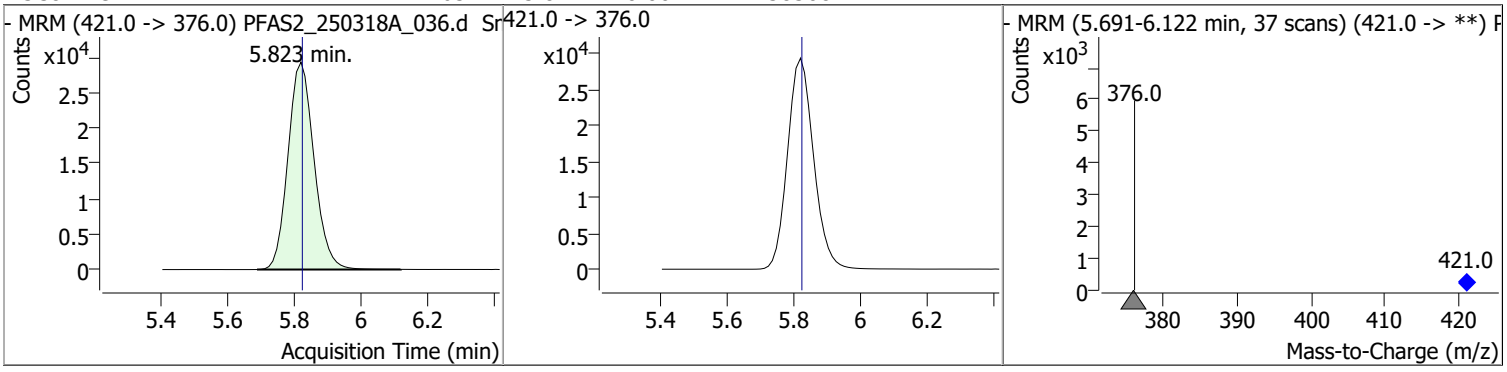
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3641	5.64	0.00	14594	429.0 -> 409.0	295.8	392.8	729.4



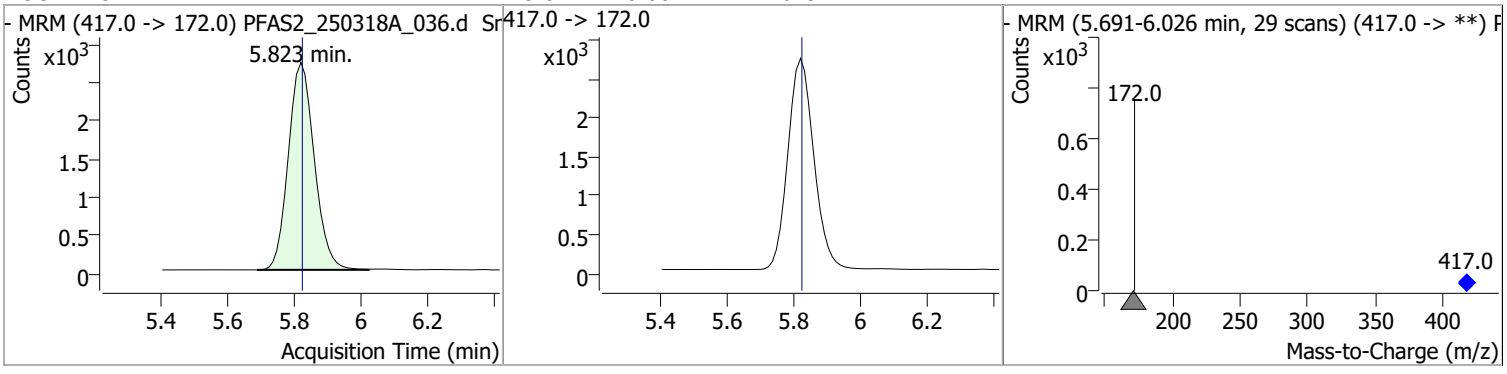
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



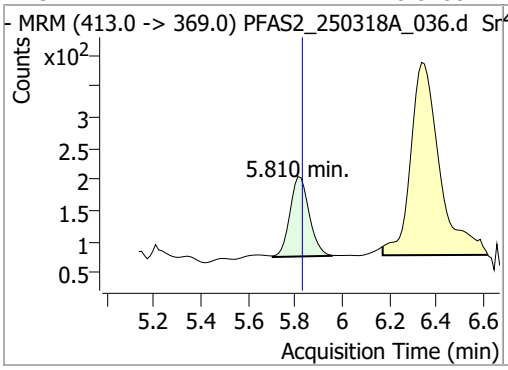
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4165	5.82	0.00	158308				

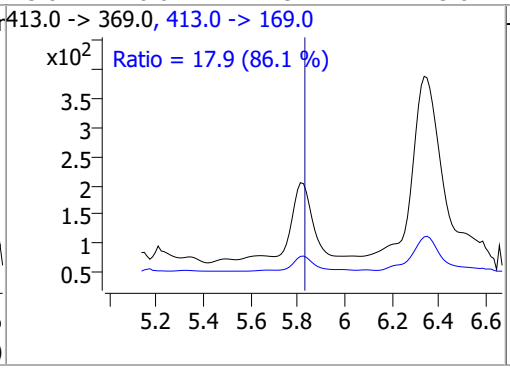


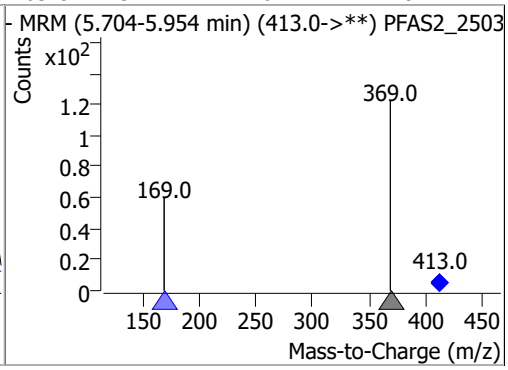
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14649				



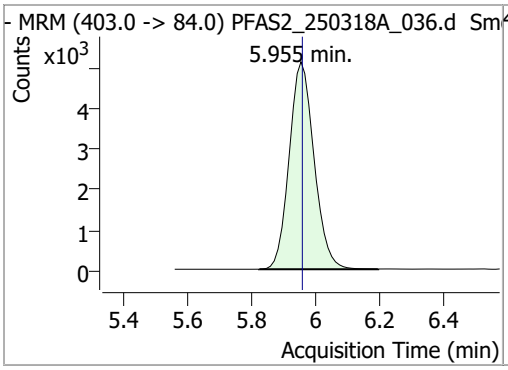
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0480	5.81	-0.01	729	413.0 -> 169.0	17.9	14.6	27.0

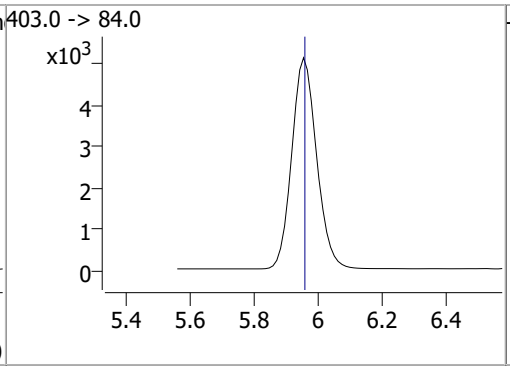


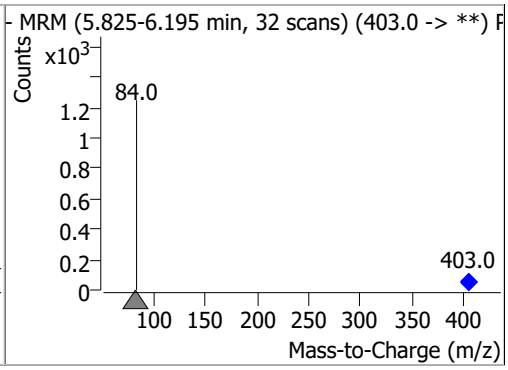




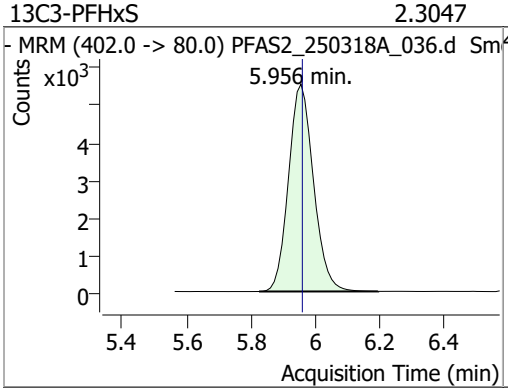
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27322				

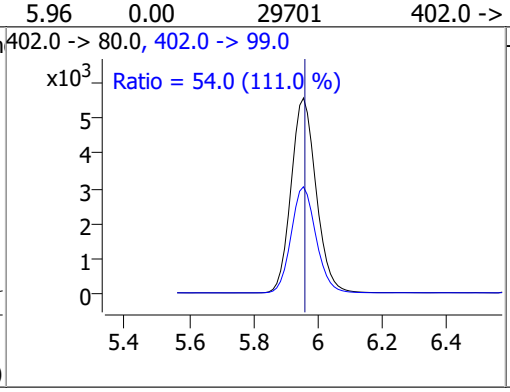


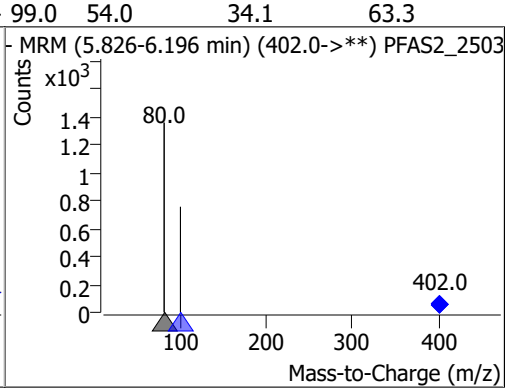




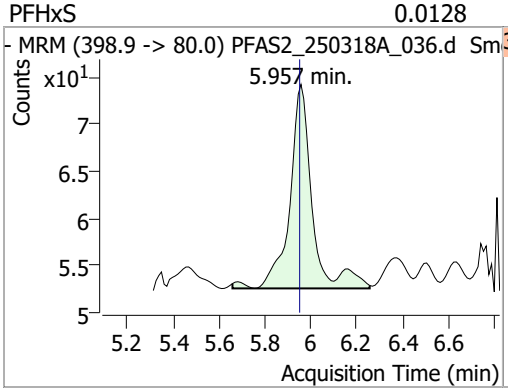
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3047	5.96	0.00	29701	402.0 -> 99.0	54.0	34.1	63.3

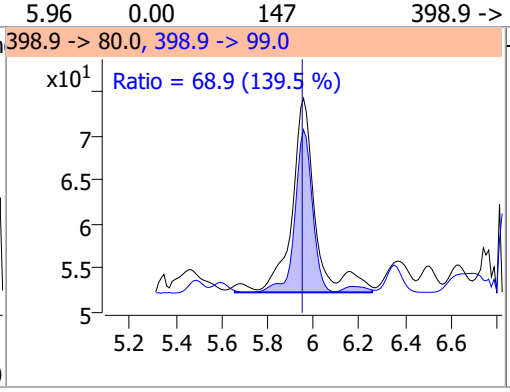


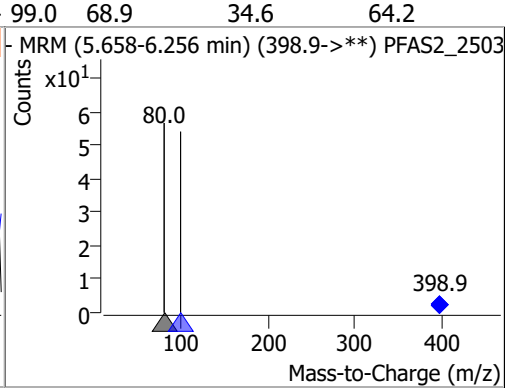




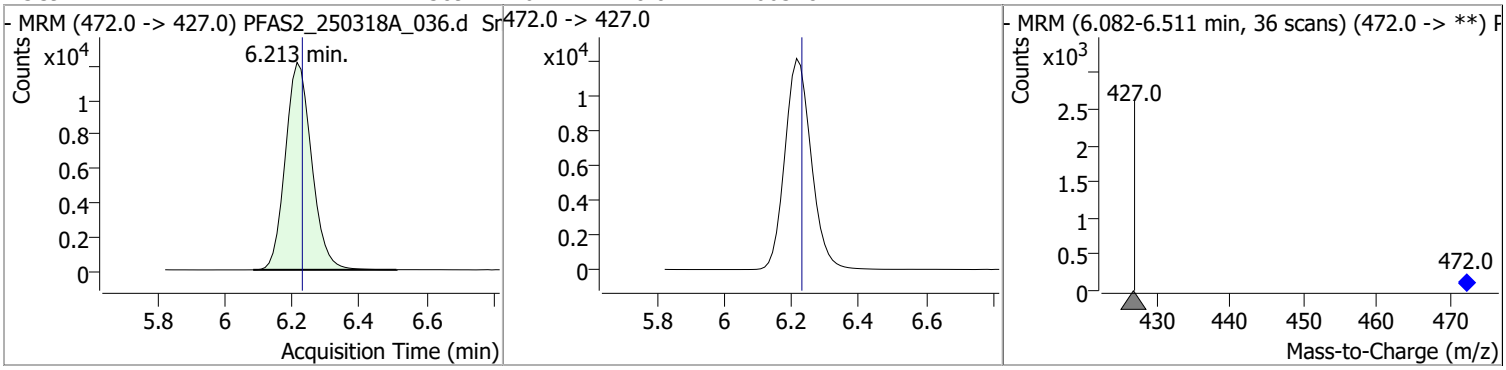
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.96	0.00	147	398.9 -> 99.0	68.9	34.6	64.2



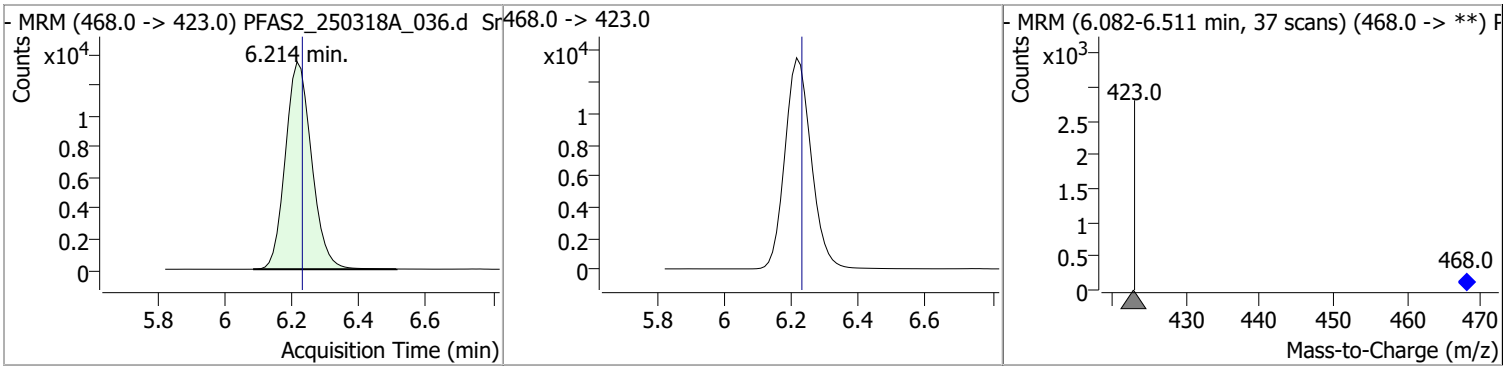




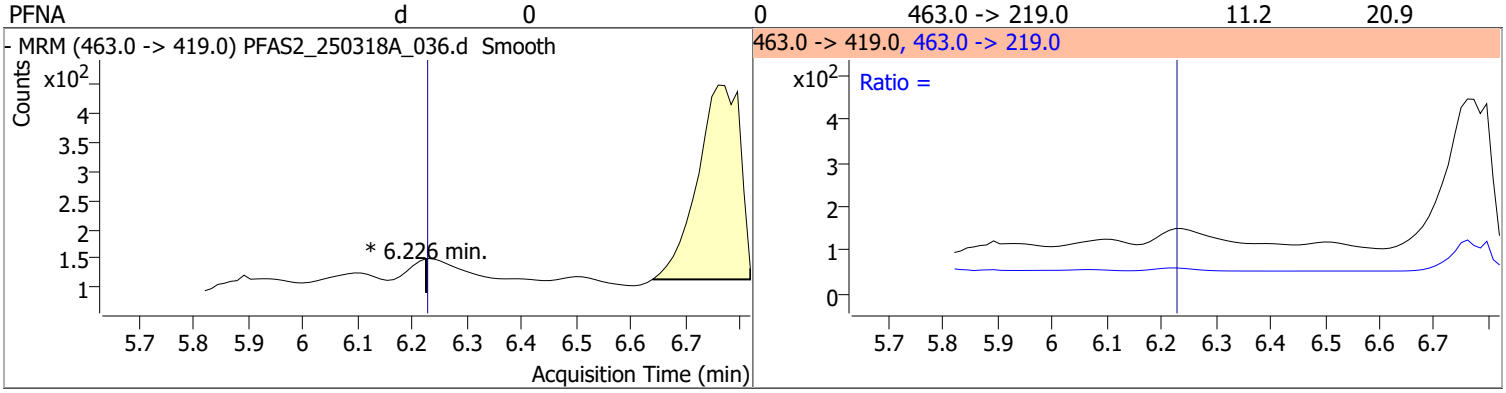
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1389	6.21	-0.01	66378				



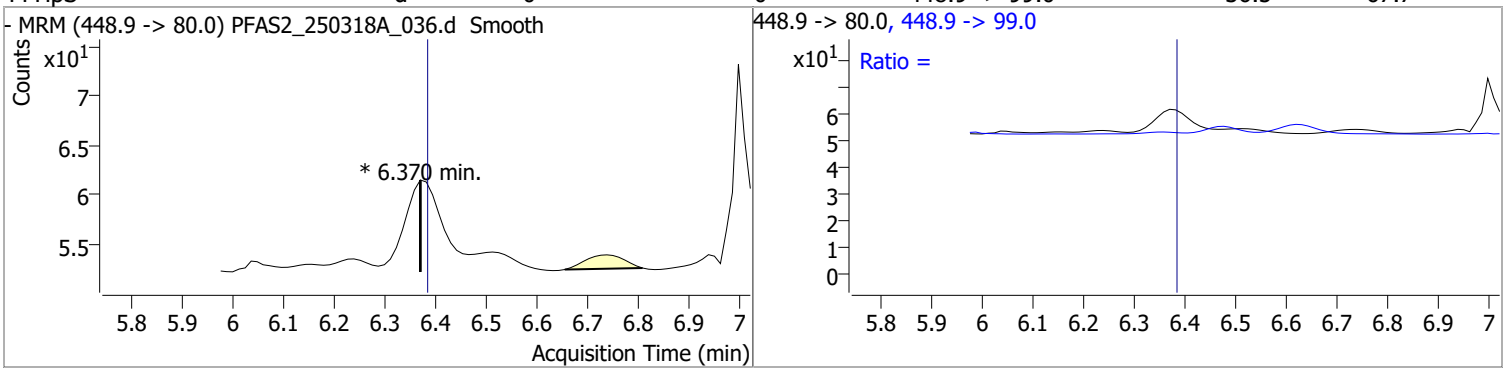
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	73550				



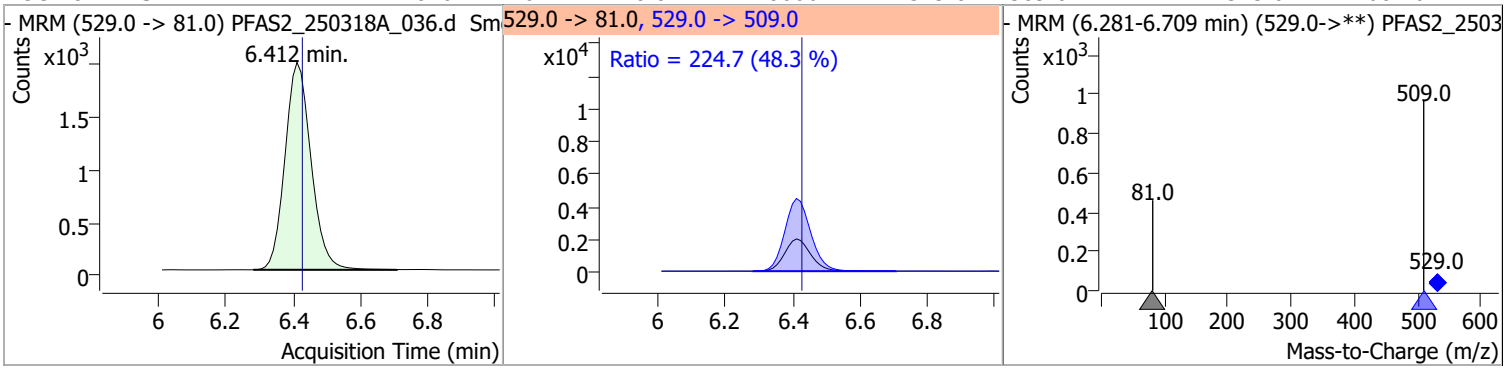
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



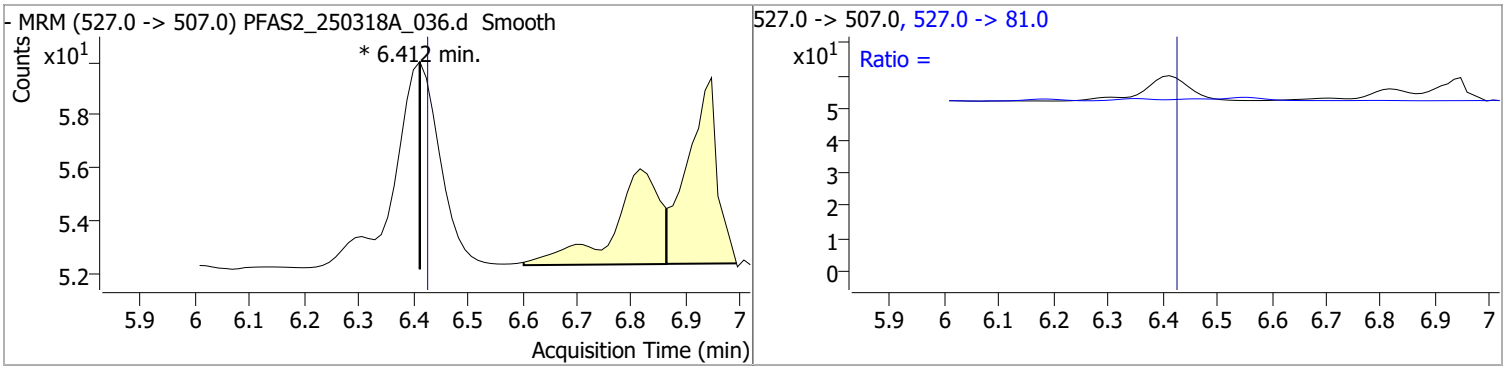
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



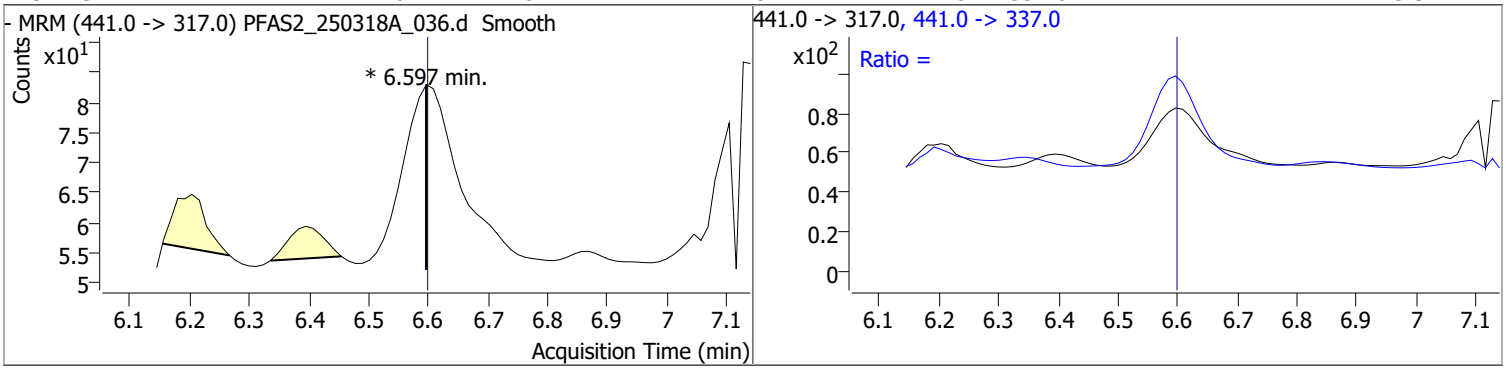
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8762	6.41	-0.01	10666	529.0 -> 509.0	224.7	325.6	604.6



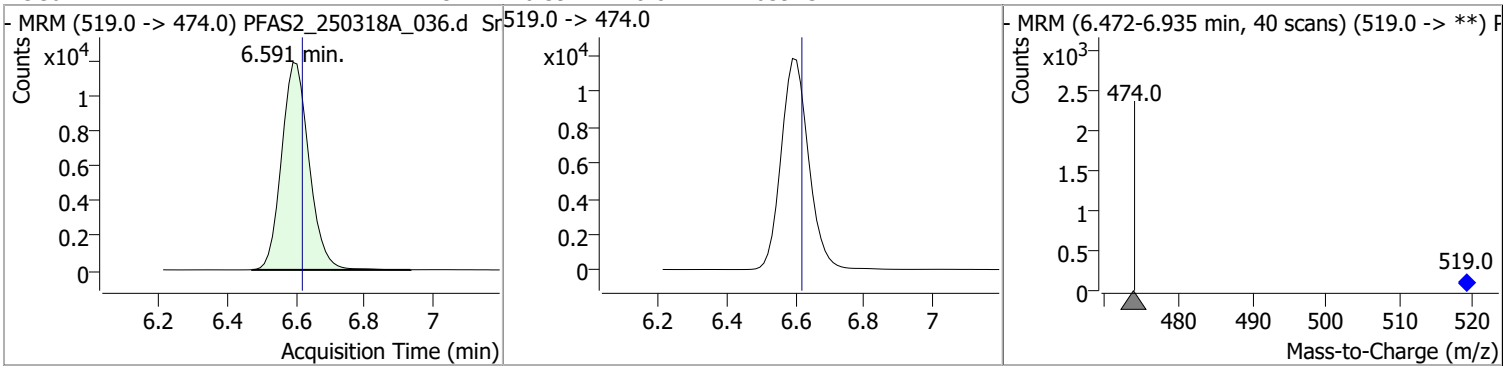
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



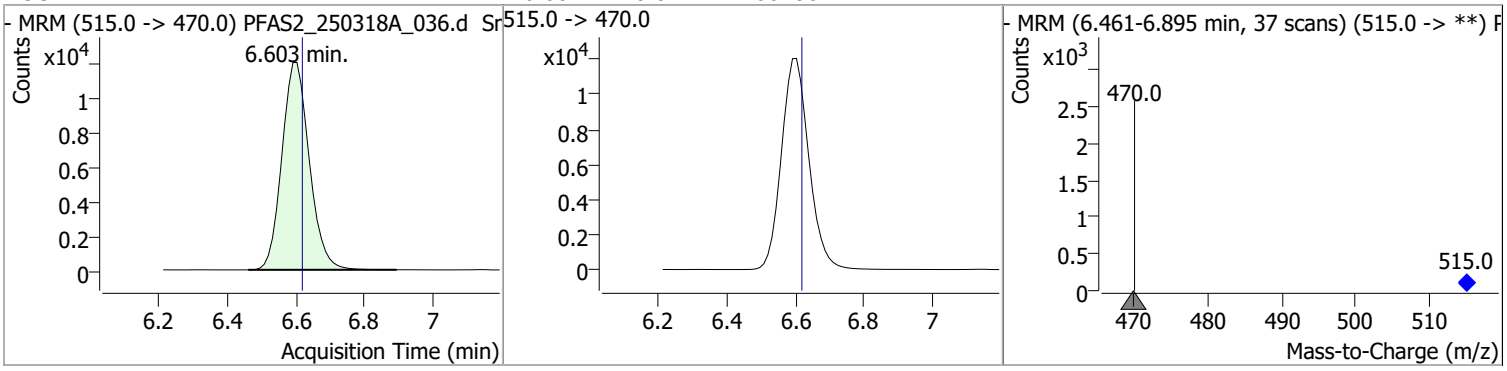
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



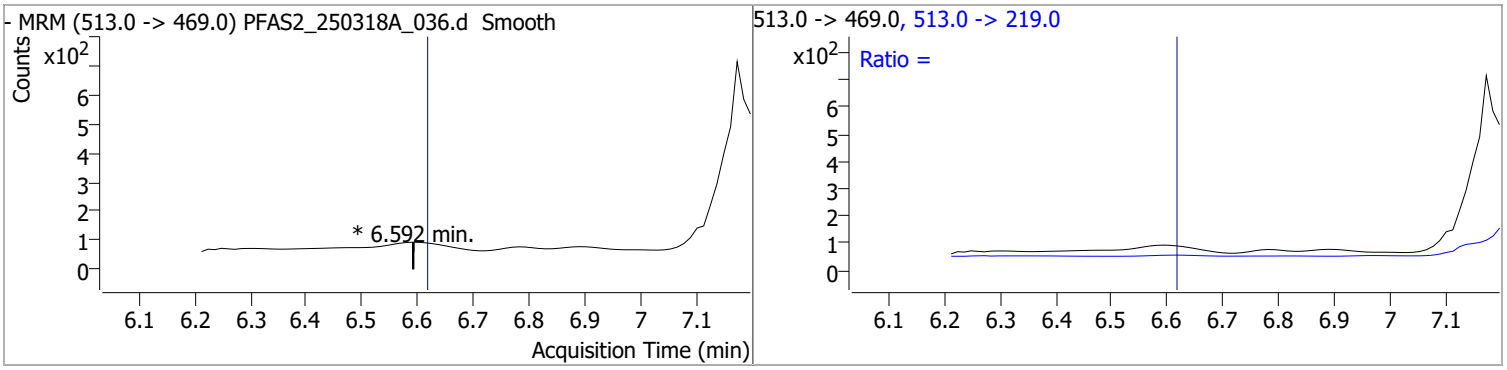
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2154	6.59	-0.02	65973				



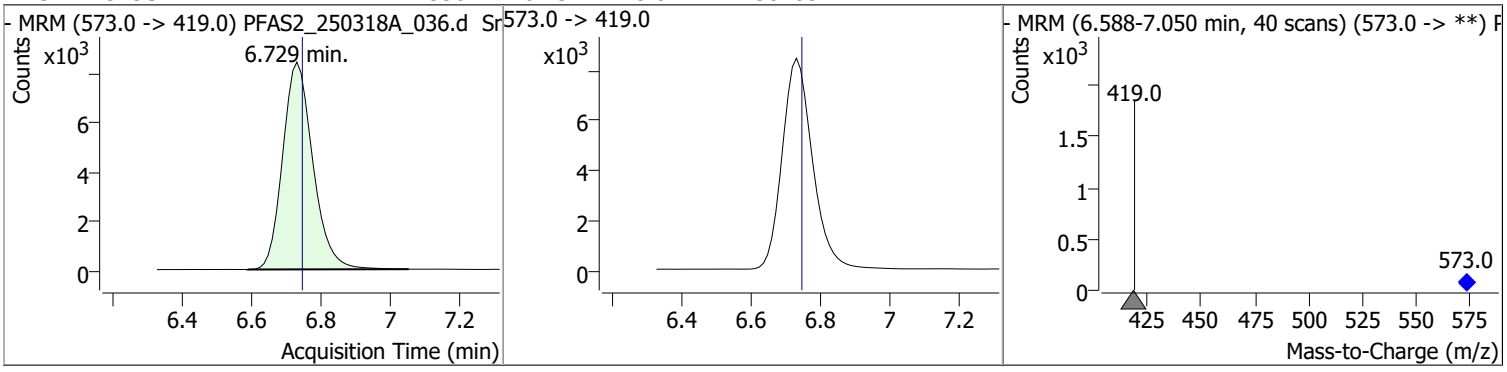
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	66706				



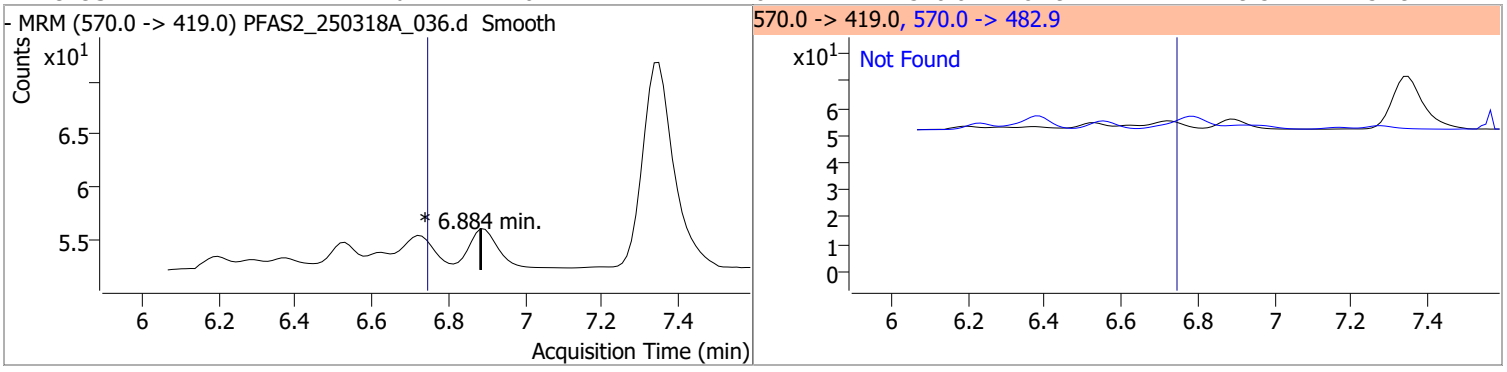
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



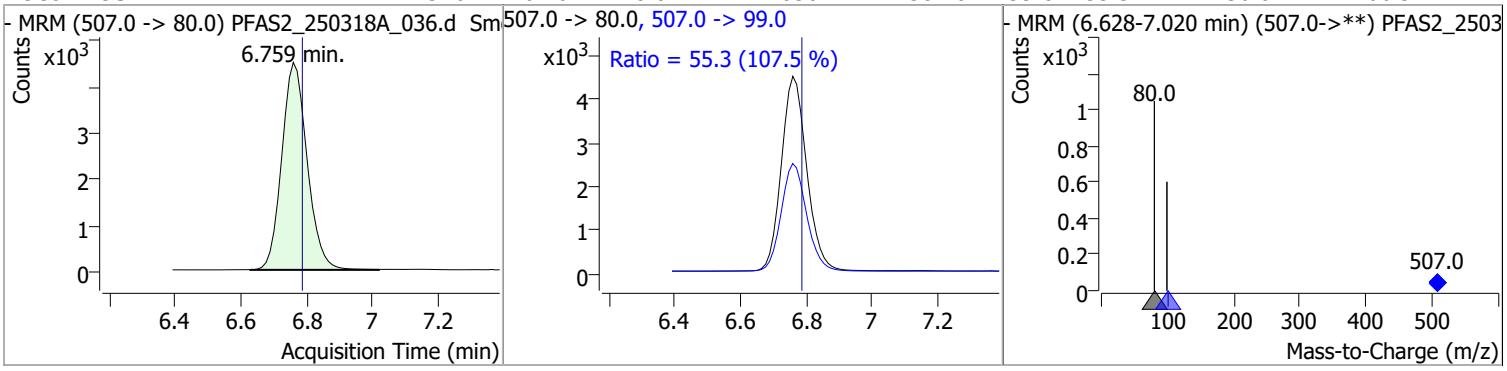
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7536	6.73	-0.01	50705				



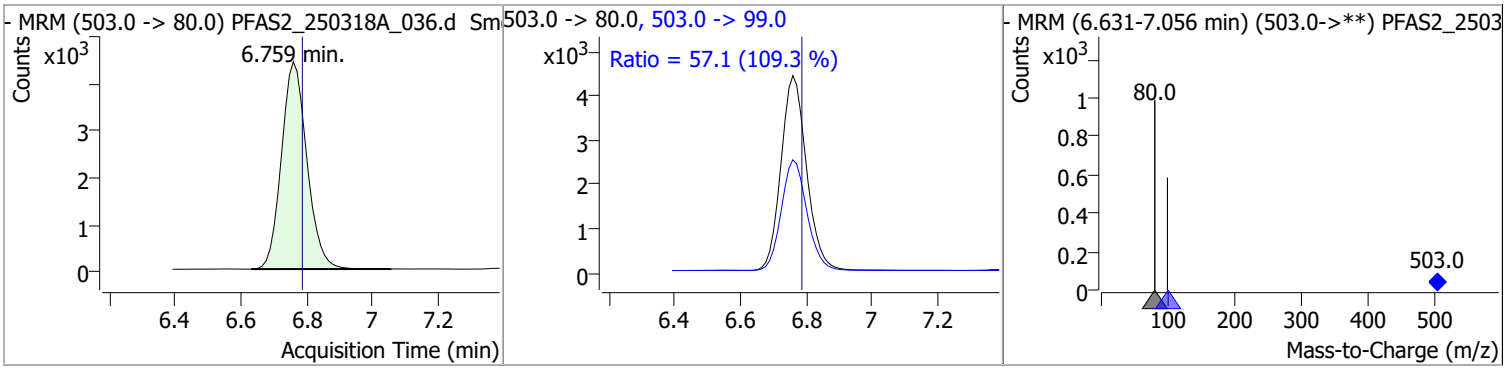
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



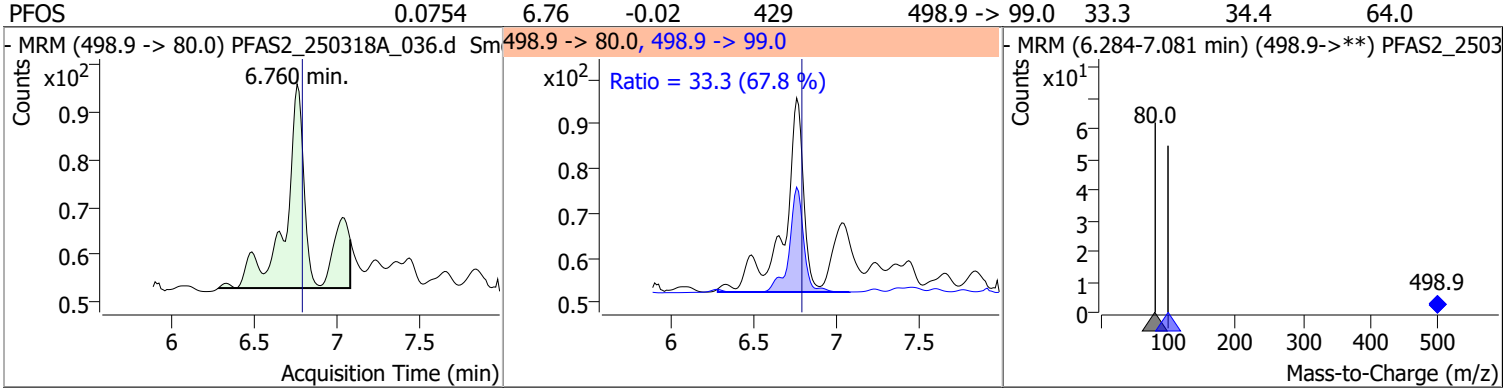
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4926	6.76	-0.02	24050	507.0 -> 99.0	55.3	36.0	66.9



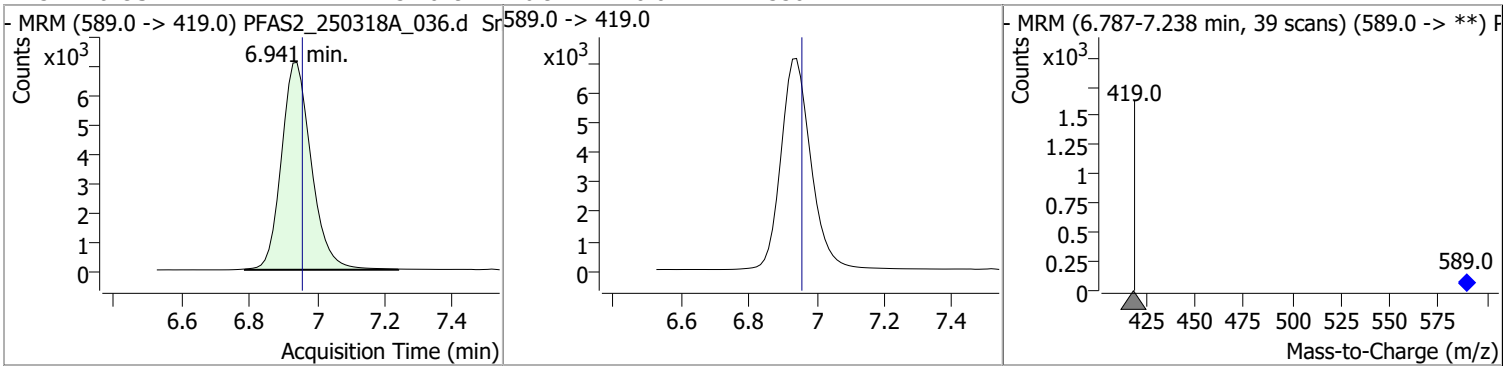
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	23773	503.0 -> 99.0	57.1	36.6	67.9



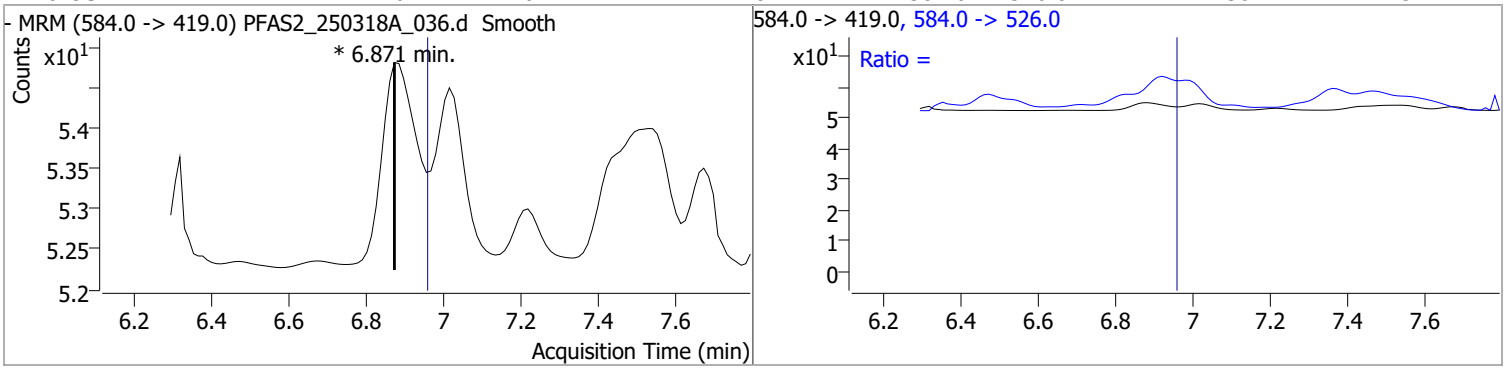
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0754	6.76	-0.02	429	498.9 -> 99.0	33.3	34.4	64.0



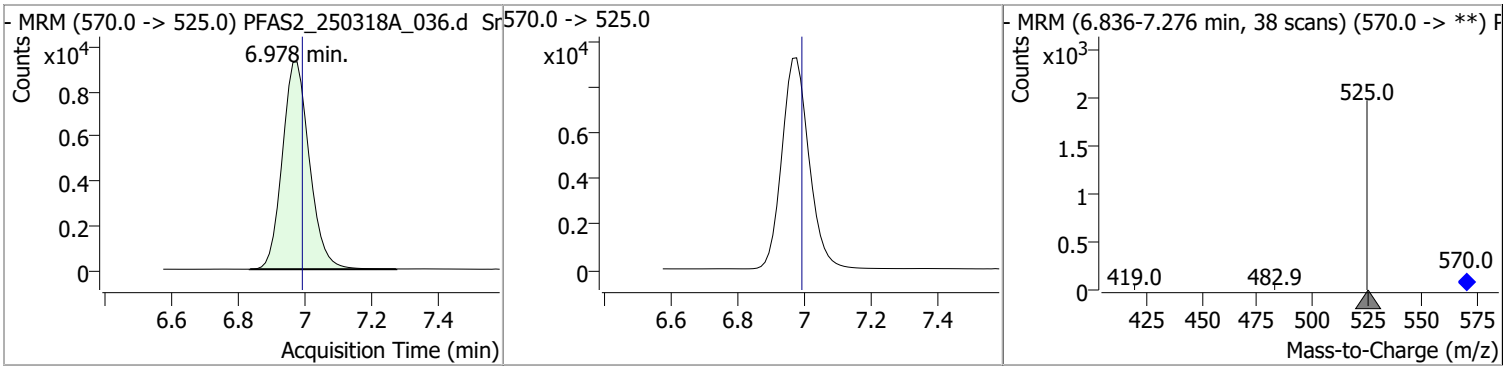
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.4019	6.94	-0.01	43502				



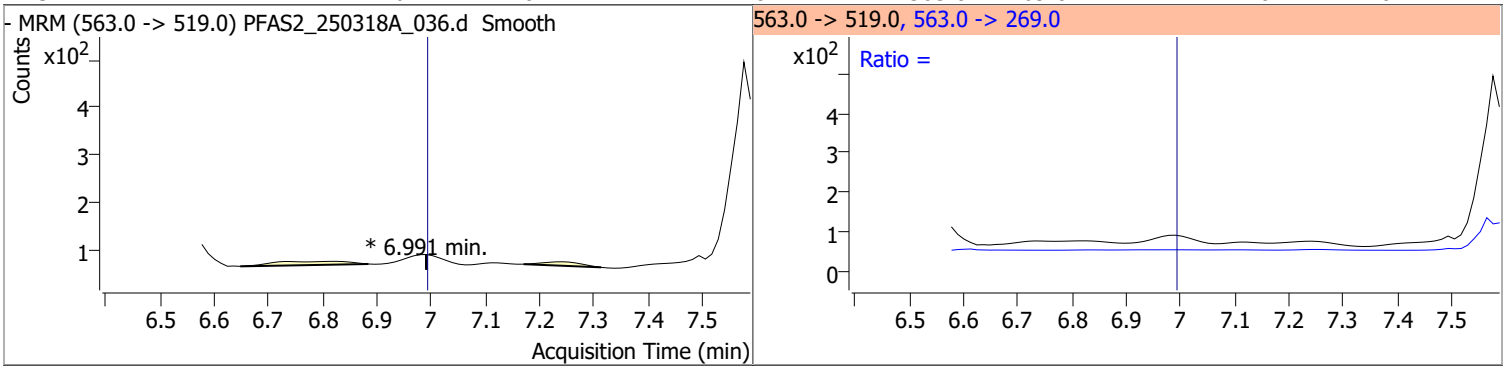
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



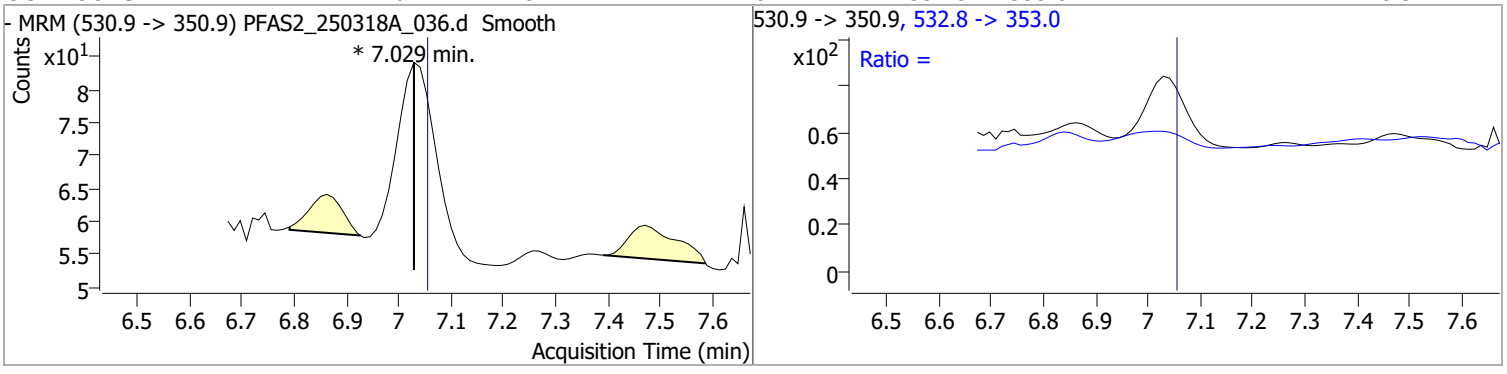
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2245	6.98	-0.01	52383				



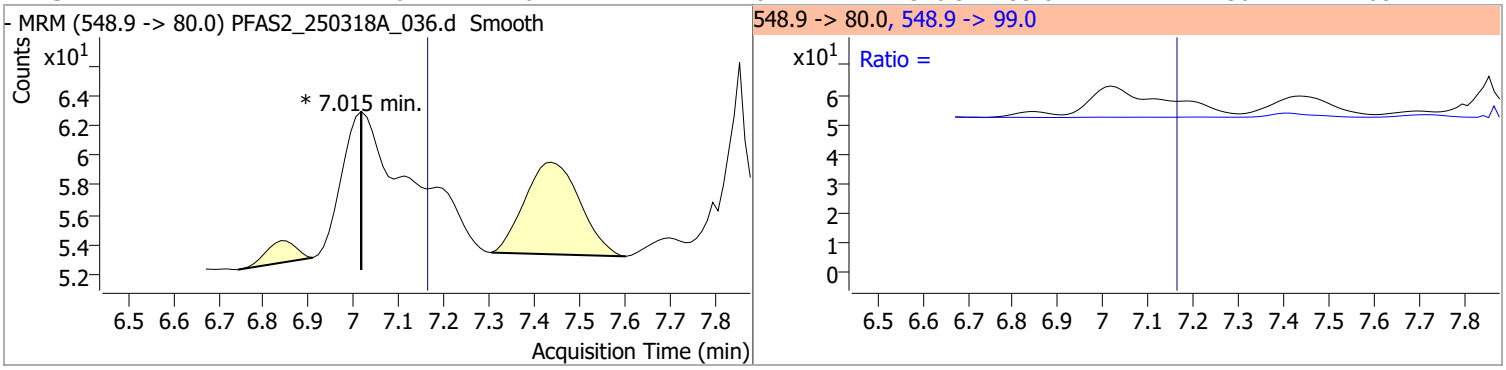
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



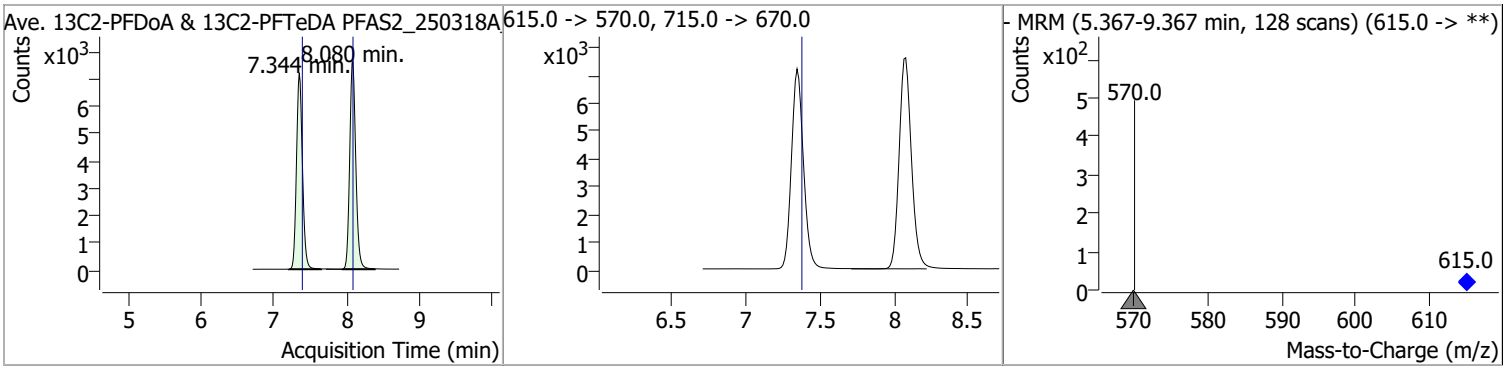
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



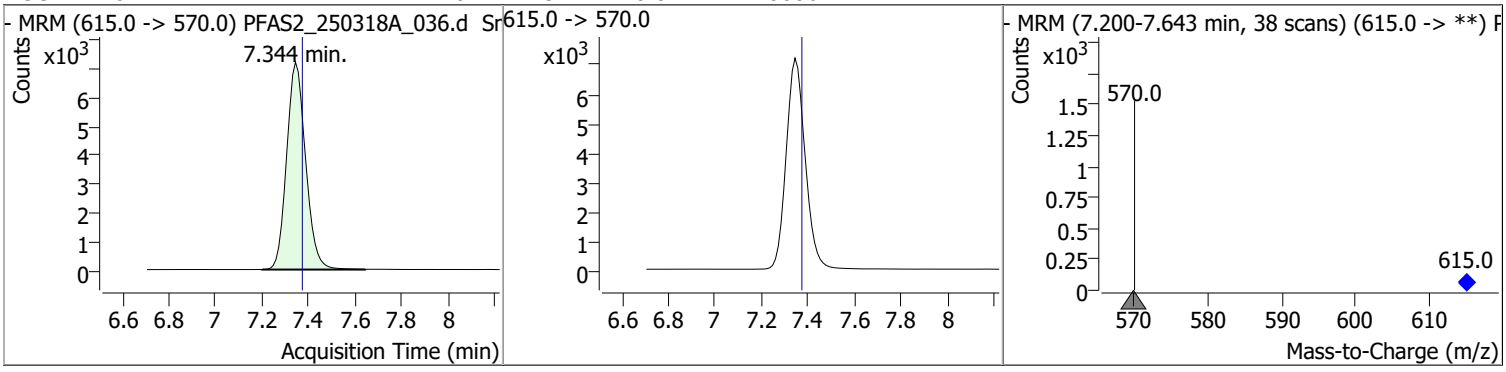
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



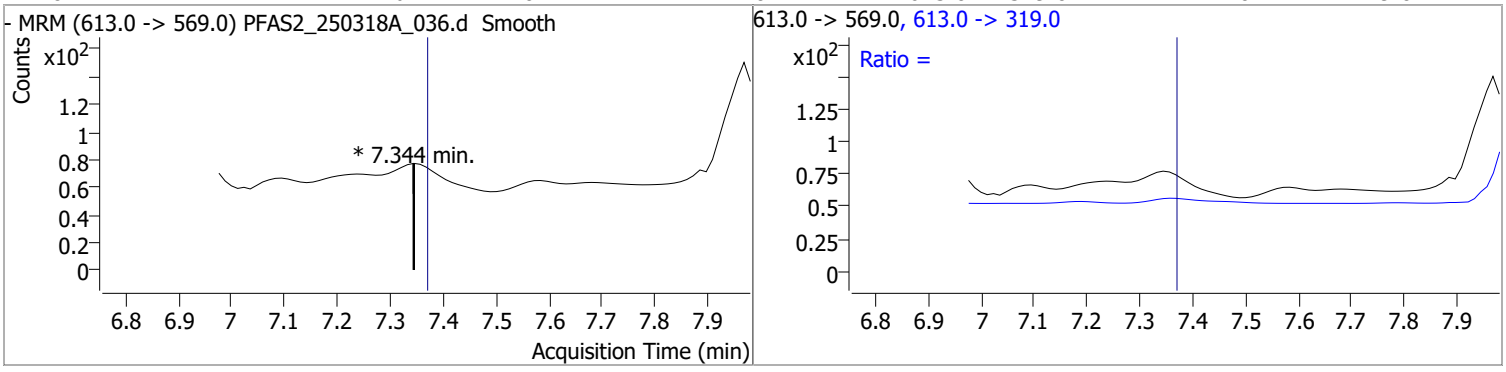
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2018	7.71	0.34	42377				



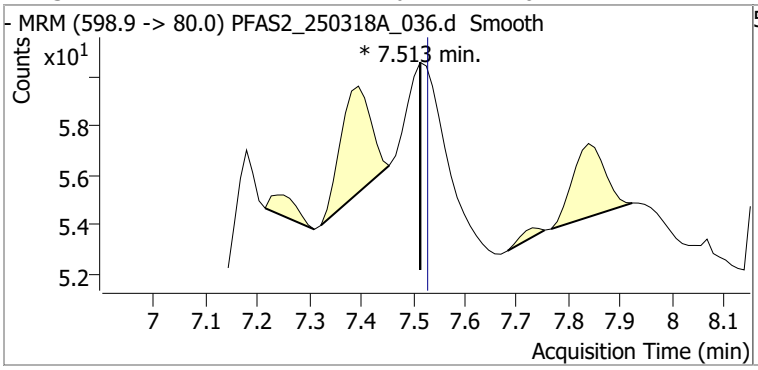
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2740	7.34	-0.02	40606				

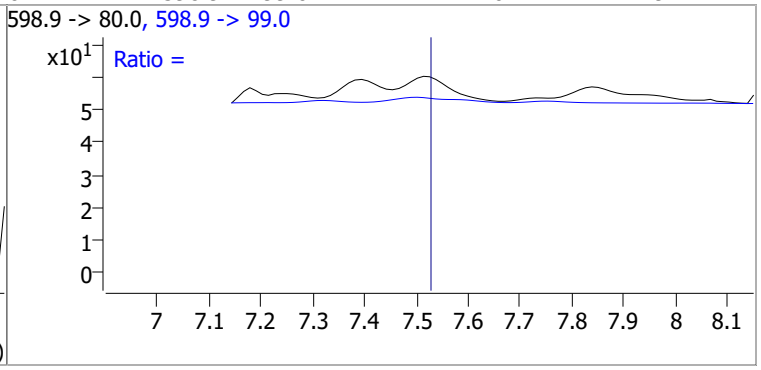


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

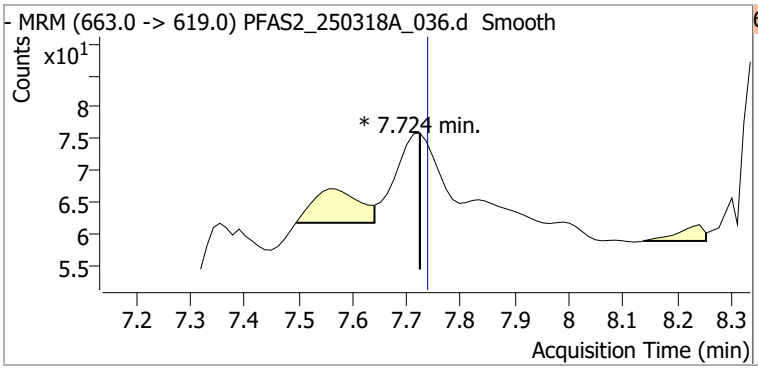


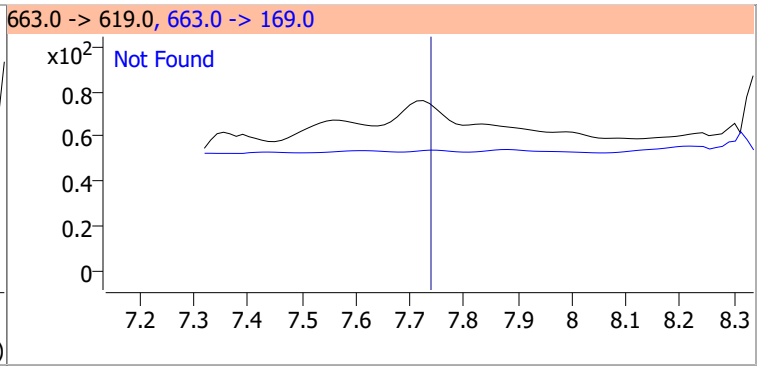
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



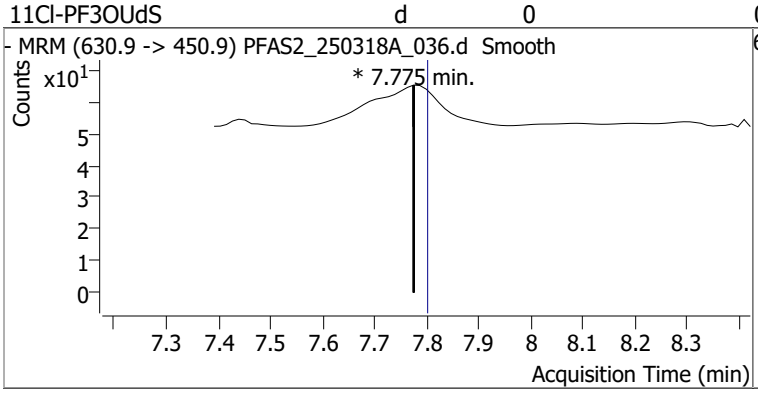


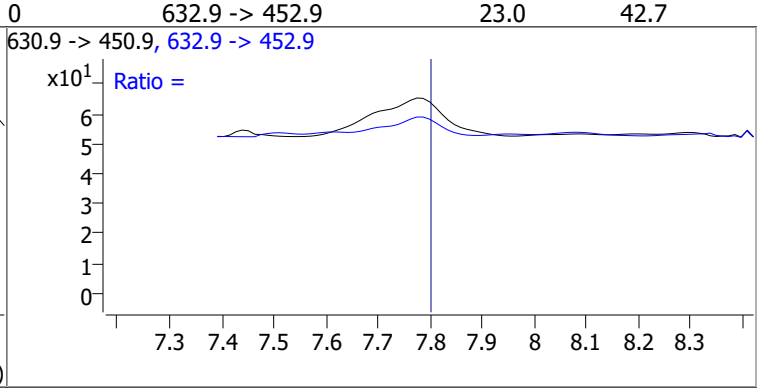
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



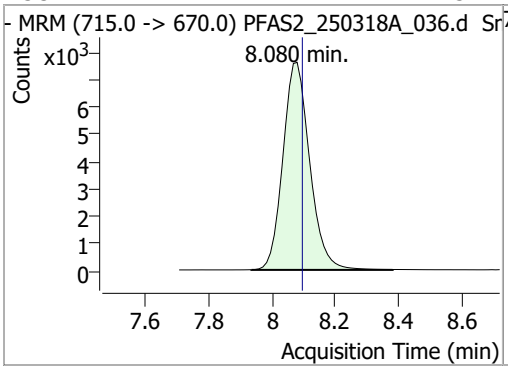


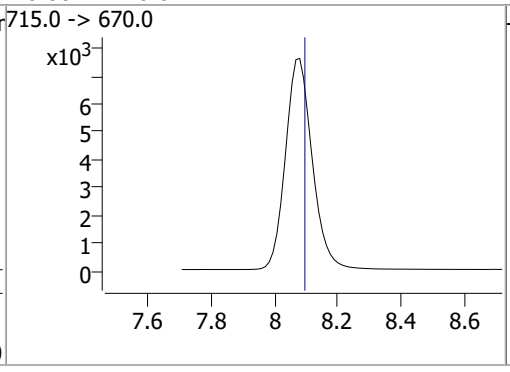
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

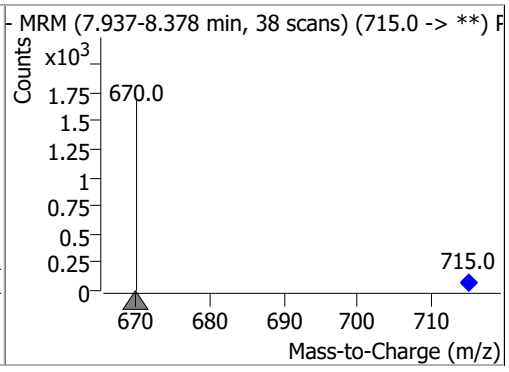




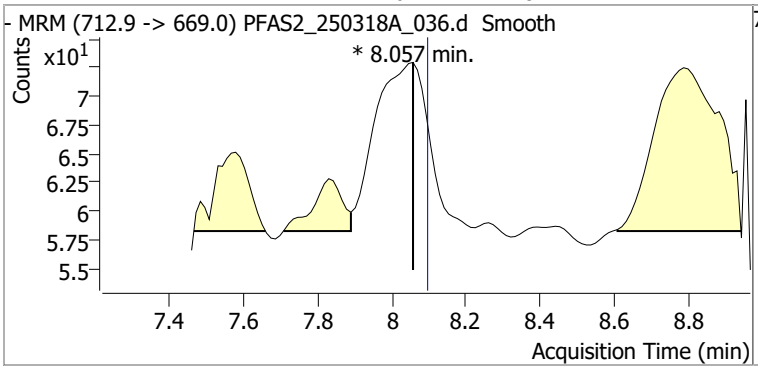
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1423	8.08	-0.01	44147				

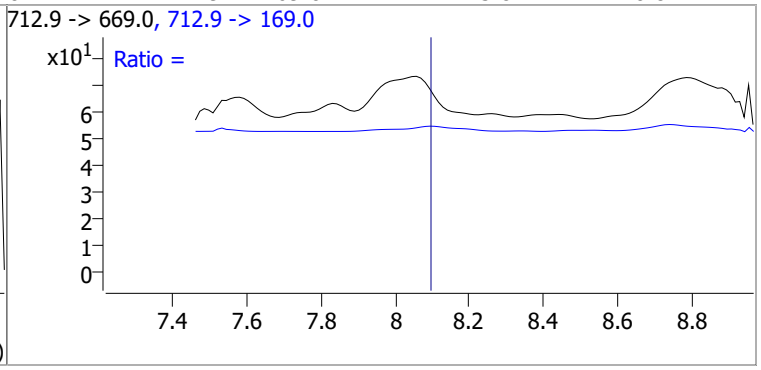




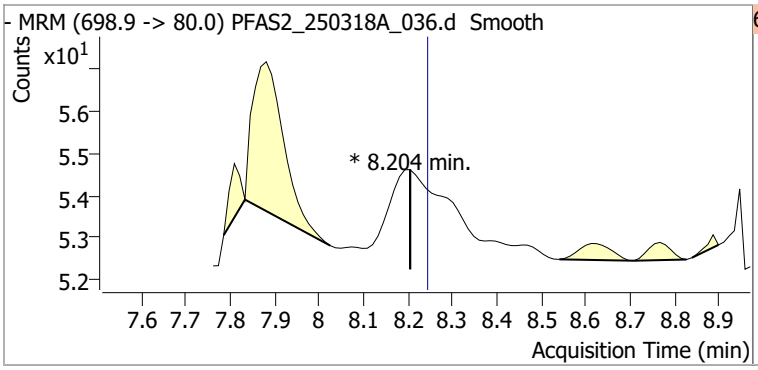


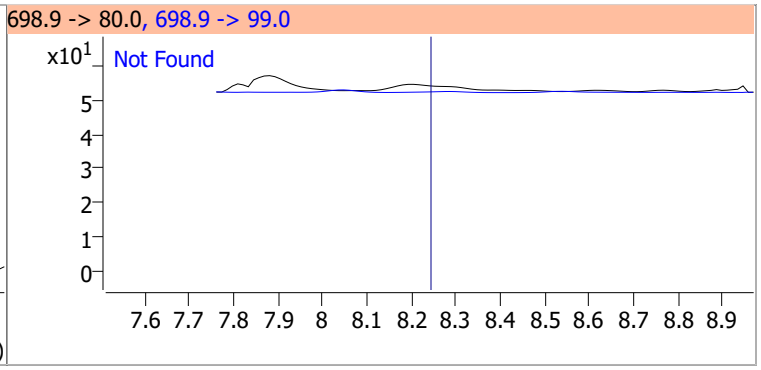
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



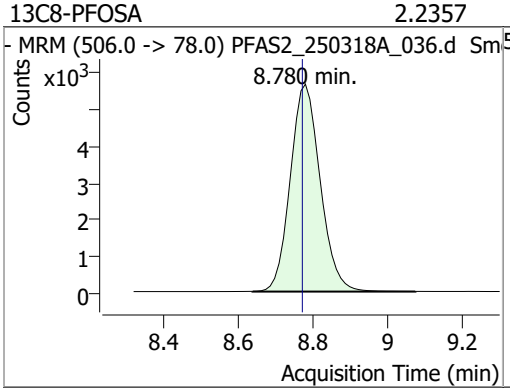


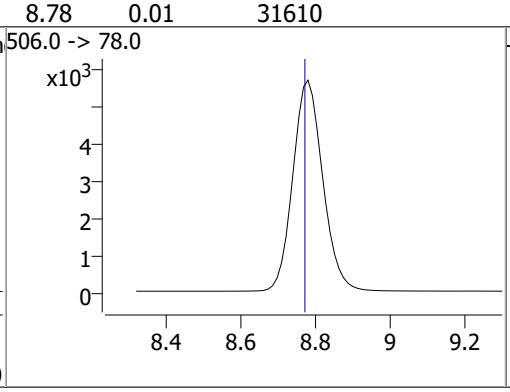
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

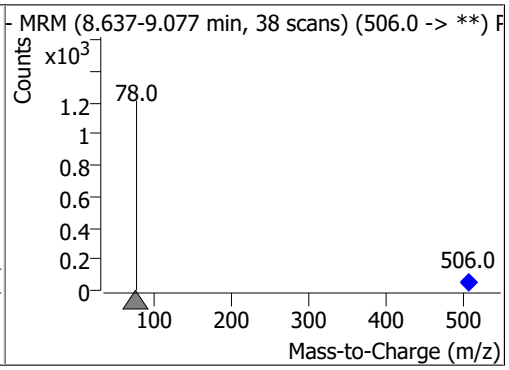




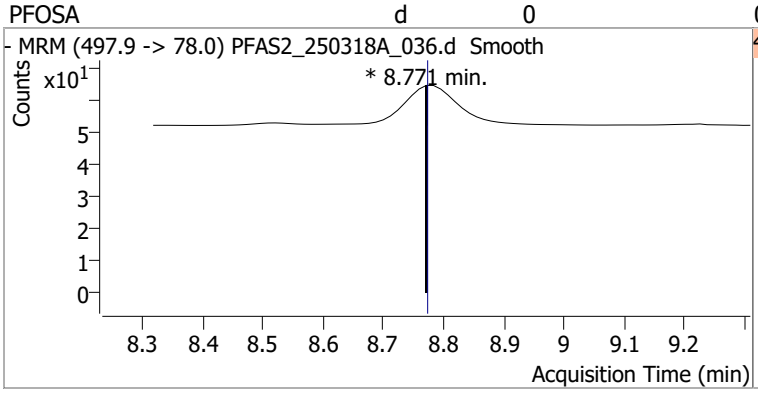
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2357	8.78	0.01	31610				

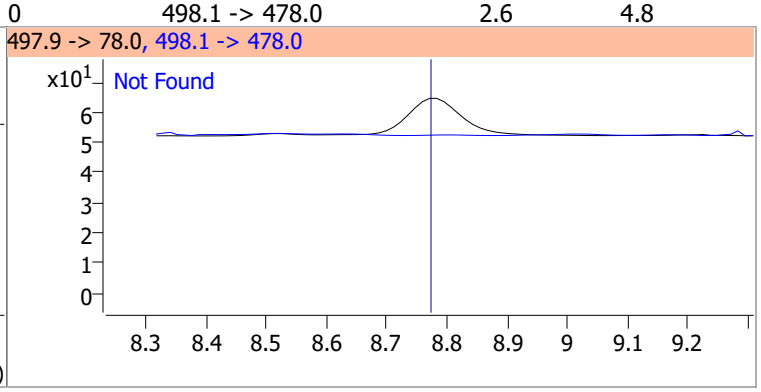




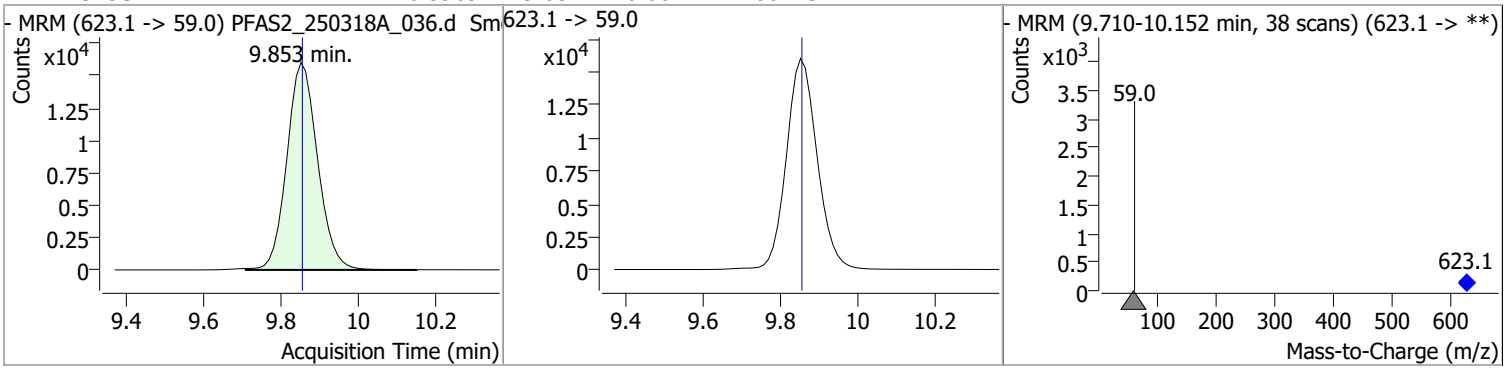


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

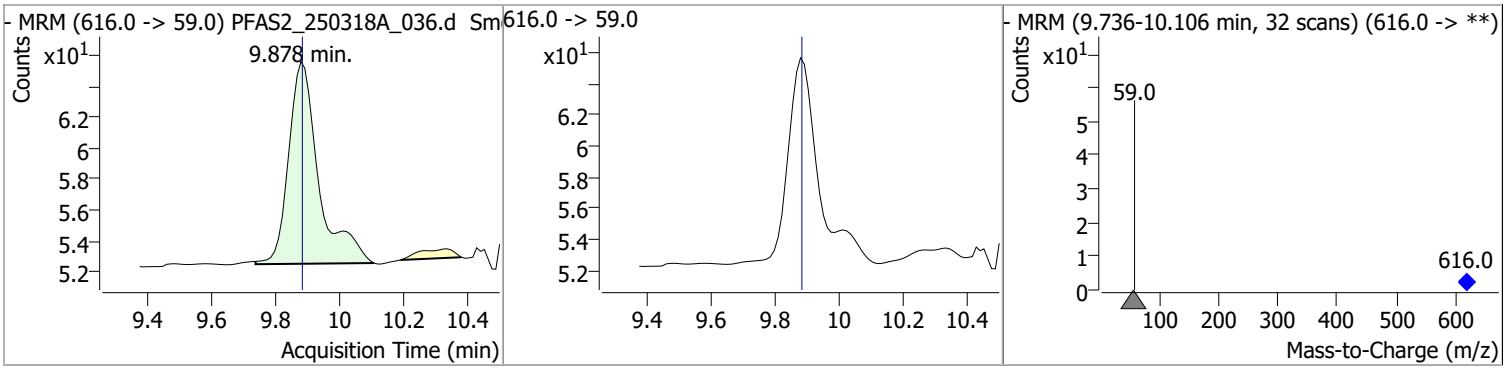




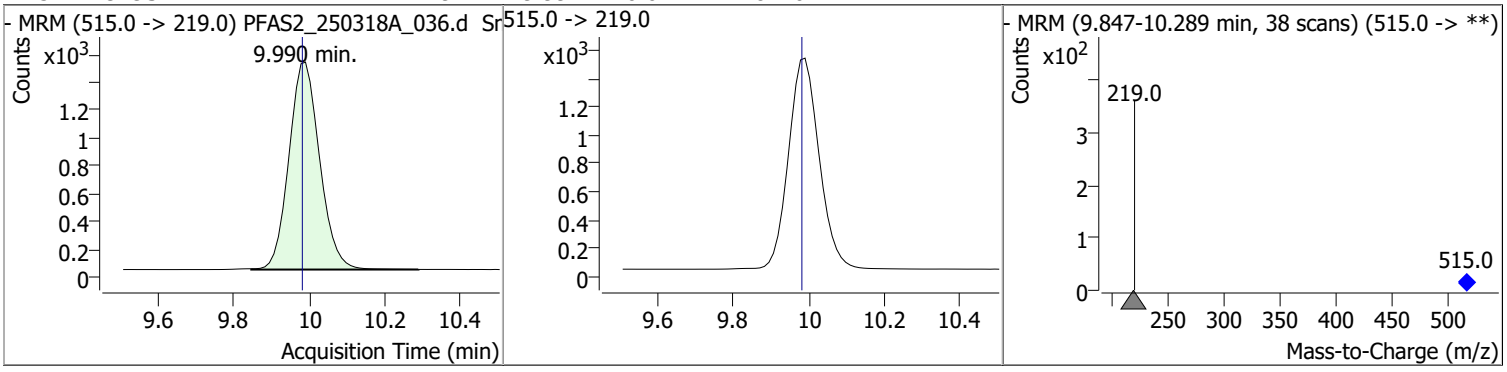
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	18.3969	9.85	0.00	88173				



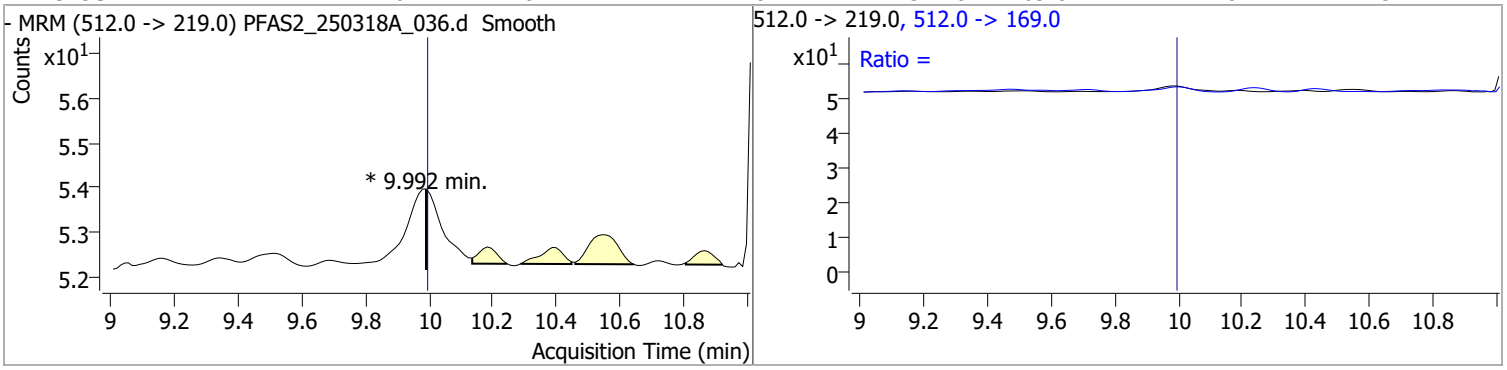
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	86				



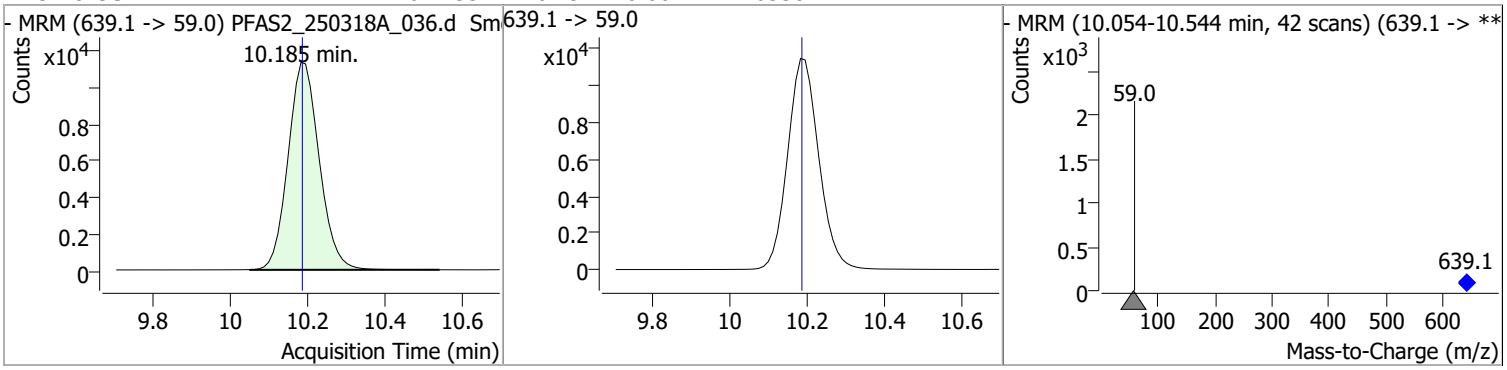
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1194	9.99	0.01	8410				



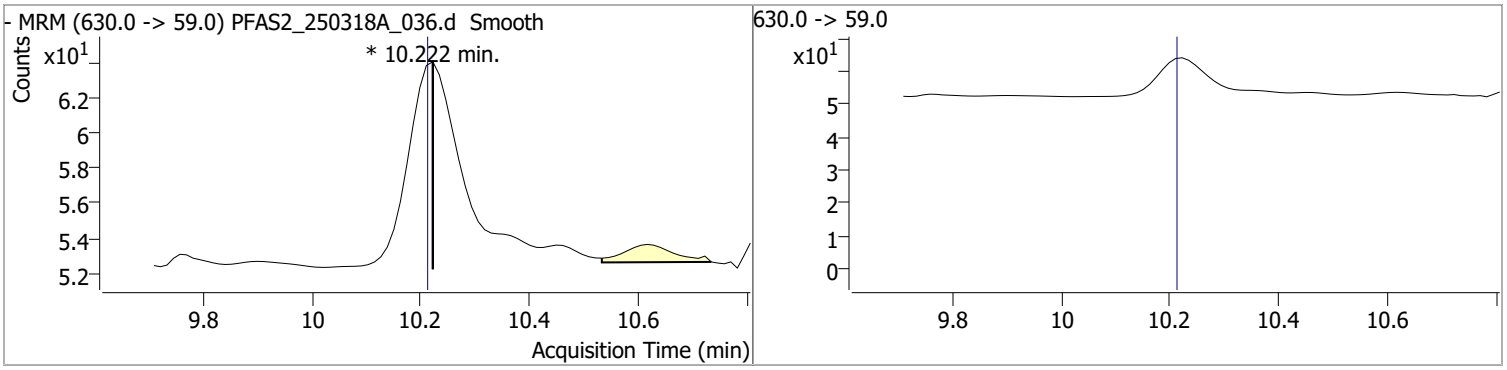
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



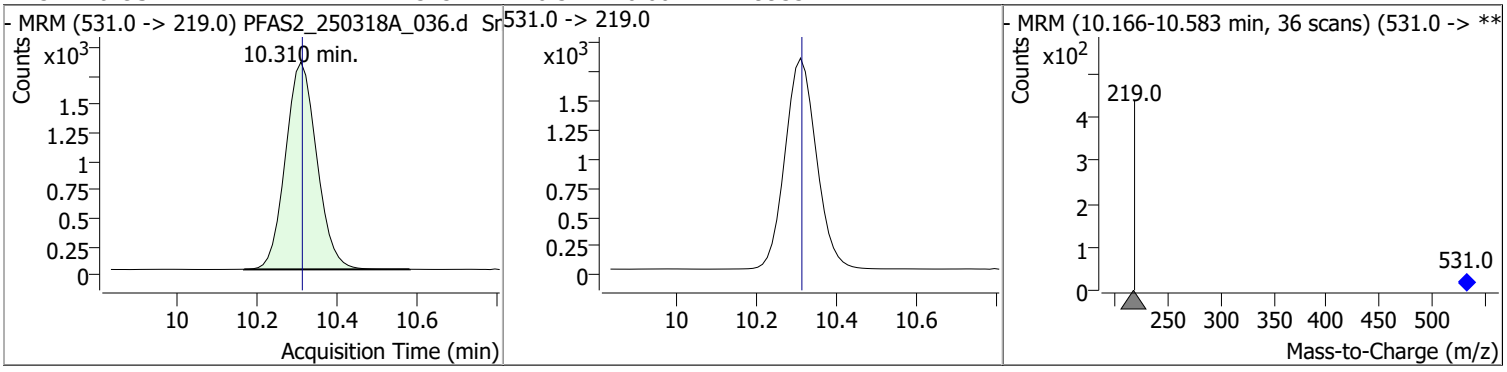
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.2153	10.19	0.00	63581				



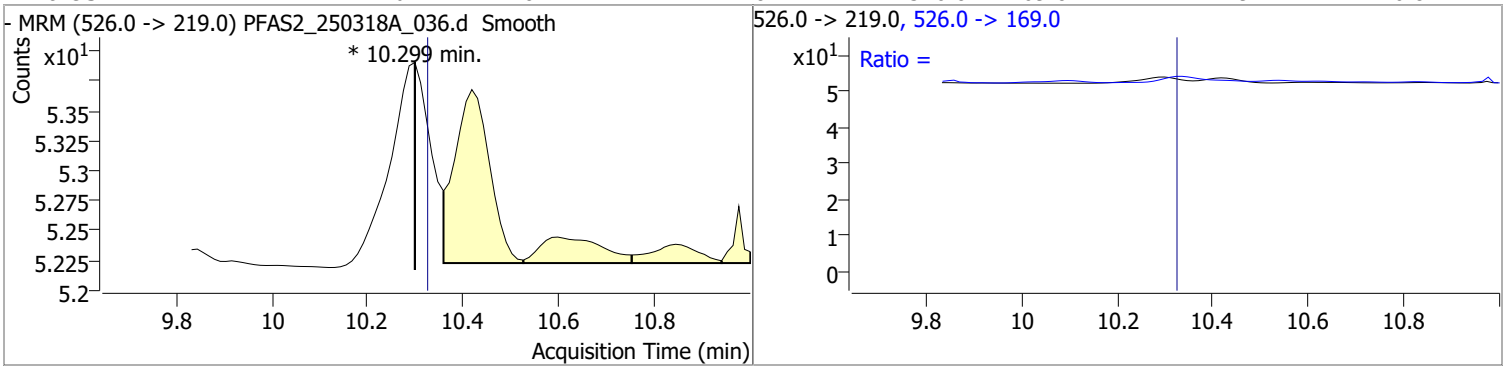
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3152	10.31	0.00	9933				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250318A_036.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 1:19:57 AM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

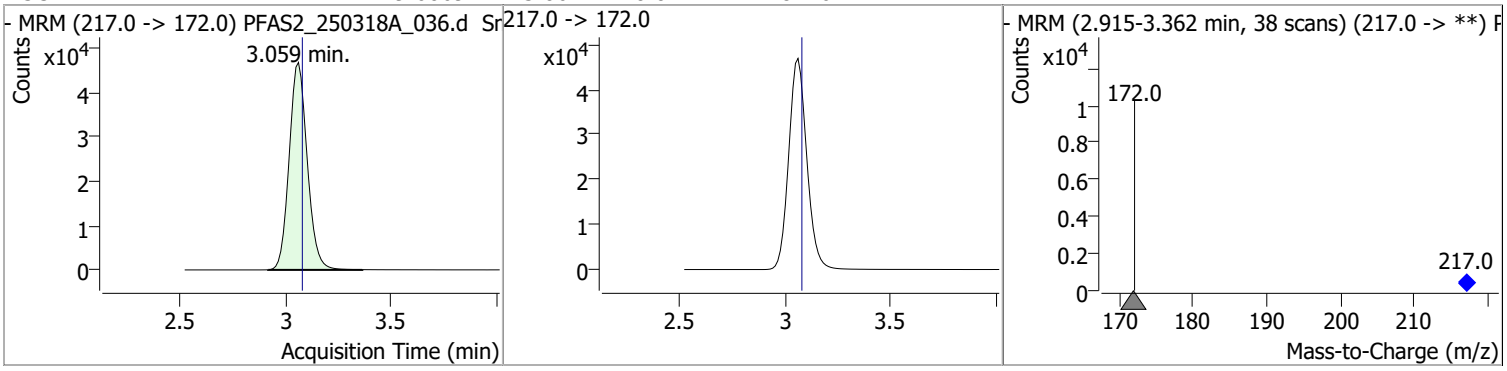
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	127545	5.0000	µg/L		-6.794
13C2-PFHxA	4.890	315.0 -> 270.0	141458	2.5000	µg/L		-7.799
18O2-PFHxS	5.955	403.0 -> 84.0	27322	2.5000	µg/L		-7.789
13C4-PFOA	5.823	417.0 -> 172.0	14649	2.5000	µg/L		-5.169
13C5-PFNA	6.214	468.0 -> 423.0	73550	1.2500	µg/L		3.341
13C2-PFDA	6.603	515.0 -> 470.0	66706	1.2500	µg/L		-0.254
13C4-PFOS	6.759	503.0 -> 80.0	23773	2.5000	µg/L		-4.562
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	278446	10.0000	µg/L		-10.419
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	183583	5.0000	µg/L		-11.278
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C5-PFPeA	4.222	268.0 -> 223.0	183583	5.0000	µg/L		-11.278
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.23%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24514	5.0000	µg/L	#	-2.970
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.65%			
13C5-PFHxA	4.889	318.0 -> 273.0	143366	2.5000	µg/L		-15.090
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C5-PFHxA	4.889	318.0 -> 273.0	143366	2.5000	µg/L		-15.090
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C3-PFBS	4.929	302.0 -> 80.0	51498	2.5000	µg/L		-15.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.07%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	162250	10.0000	µg/L		-7.164
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.69%			
13C4-PFHpA	5.397	367.0 -> 322.0	171940	2.5000	µg/L		-8.972
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.76%			
13C3-PFHxS	5.956	402.0 -> 80.0	29701	2.5000	µg/L		-15.016
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14594	5.0000	µg/L	#	-1.182
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.28%			
13C8-PFOA	5.823	421.0 -> 376.0	158308	2.5000	µg/L		-8.355
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.66%			
13C3-PFHxS	5.956	402.0 -> 80.0	29701	2.5000	µg/L		-15.016
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
13C9-PFNA	6.213	472.0 -> 427.0	66378	1.2500	µg/L		-5.799
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.11%			
13C8-PFOS	6.759	507.0 -> 80.0	24050	2.5000	µg/L		-4.880
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.70%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10666	5.0000	µg/L	#	-9.956
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.52%			
13C6-PFDA	6.591	519.0 -> 474.0	65973	1.2500	µg/L		-2.924
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.23%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	50705	5.0000	µg/L		-9.161
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C8-PFOS	6.759	507.0 -> 80.0	24050	2.5000	µg/L		-4.880

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.70%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	43502	5.0000	µg/L		3.160
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 108.04%			
13C7-PFUnDA	6.978	570.0 -> 525.0	52383	1.2500	µg/L		-2.276
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.96%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.712	615.0 -> 570.0	42377	1.2500	µg/L		-3.941
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C2-PFDoDA	7.344	615.0 -> 570.0	40606	1.2500	µg/L		1.654
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.92%			
13C2-PFTDA	8.080	715.0 -> 670.0	44147	1.2500	µg/L		-8.569
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.38%			
13C8-PFOSA	8.780	506.0 -> 78.0	31610	2.5000	µg/L		-14.477
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.43%			
2H7-MeFOSE	9.853	623.1 -> 59.0	88173	25.0000	µg/L		-29.823
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 73.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8410	2.5000	µg/L		-18.899
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.78%			
2H9-EtFOSE	10.185	639.1 -> 59.0	63581	25.0000	µg/L		0.114
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 104.86%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9933	2.5000	µg/L		-11.625
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.61%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	157	0.0875	µg/L		100
PFMPA	3.602	229.0 -> 85.0	50	0.0578	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	6	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	719	0.0458	µg/L		100
PFMBA	4.453	279.0 -> 85.0	122	0.0384	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	58	0.0039	µg/L	#	36
NFDHA	0.000		0	N.D.			
PFHxA	4.892	313.0 -> 269.0	399	0.0078	µg/L	#	86
PFBS	4.918	298.9 -> 80.0	53	0.0025	µg/L		81
HFPO-DA	5.087	285.0 -> 169.0	134	0.0093	µg/L	#	51
PFEESA	5.201	314.9 -> 135.0	106	0.0530	µg/L		80
PFHpA	5.398	363.0 -> 319.0	603	0.0304	µg/L	#	87
5-3 FTCA	5.435	341.0 -> 237.0	174	0.2206	µg/L		78
PFPeS	5.518	348.9 -> 80.0	85	0.0053	µg/L	#	66
DONA	5.551	377.0 -> 251.0	298	0.0706	µg/L	#	78
6-2 FTSA	5.642	427.0 -> 407.0	126	0.1222	µg/L	#	84
PFOA	5.810	413.0 -> 369.0	729	0.0480	µg/L		94
PFHxS	5.957	398.9 -> 80.0	147	0.0128	µg/L	#	72
PFNA	6.226	463.0 -> 419.0	210	0.0108	µg/L		62
PFHpS	6.370	448.9 -> 80.0	39	0.0039	µg/L	#	39
8-2 FTSA	6.412	527.0 -> 507.0	45	0.0815	µg/L	#	60
7-3 FTCA	6.597	441.0 -> 317.0	149	0.2940	µg/L	#	55
PFDA	6.592	513.0 -> 469.0	119	0.0000	µg/L	#	79
N-MeFOSAA	6.884	570.0 -> 419.0	53	0.0141	µg/L		33
PFOS	6.760	498.9 -> 80.0	429	0.0754	µg/L	#	77
N-EtFOSAA	6.871	584.0 -> 419.0	29	0.0146	µg/L	#	1
PFUnDA	6.991	563.0 -> 519.0	83	0.0154	µg/L		63
9Cl-PF3ONS	7.029	530.9 -> 350.9	128	0.0675	µg/L		89
PFNS	7.015	548.9 -> 80.0	36	0.0044	µg/L		26
PFDoDA	7.344	613.0 -> 569.0	12	0.0004	µg/L	#	1
PFDS	7.513	598.9 -> 80.0	24	0.0039	µg/L		90
PFTrDA	7.724	663.0 -> 619.0	98	0.0031	µg/L		72

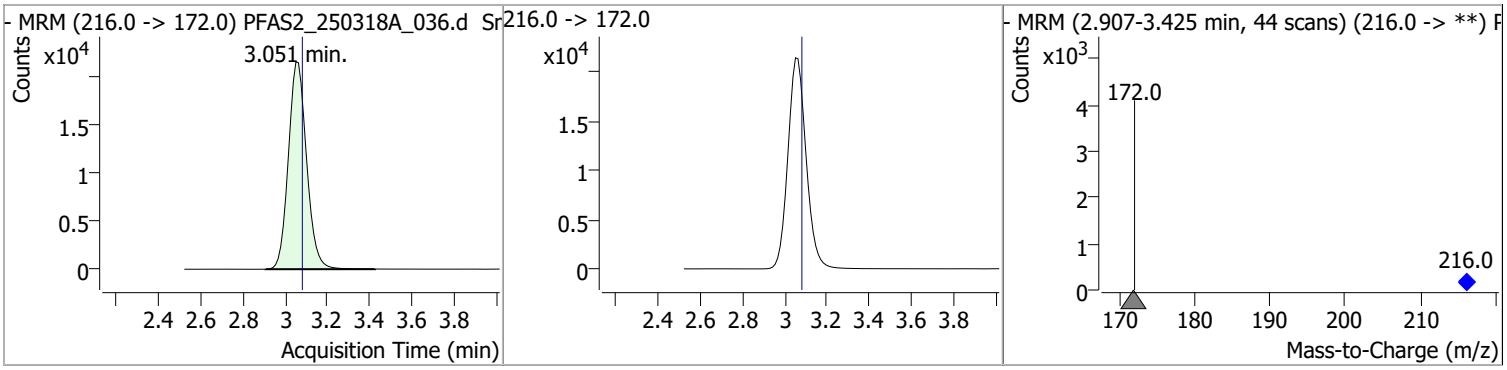
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
11Cl-PF3OUdS	7.775	630.9 -> 450.9	107	0.0050	µg/L	#	82
PFTDA	8.057	712.9 -> 669.0	148	0.0112	µg/L	#	83
PFDoS	8.204	698.9 -> 80.0	14	0.0033	µg/L		22
PFOSA	8.771	497.9 -> 78.0	79	0.0072	µg/L		89
MeFOSE	9.878	616.0 -> 59.0	86	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	12	0.0039	µg/L	#	38
EtFOSE	10.222	630.0 -> 59.0	84	0.0462	µg/L		100
N-EtFOSA	10.299	526.0 -> 219.0	10	0.0025	µg/L		87

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

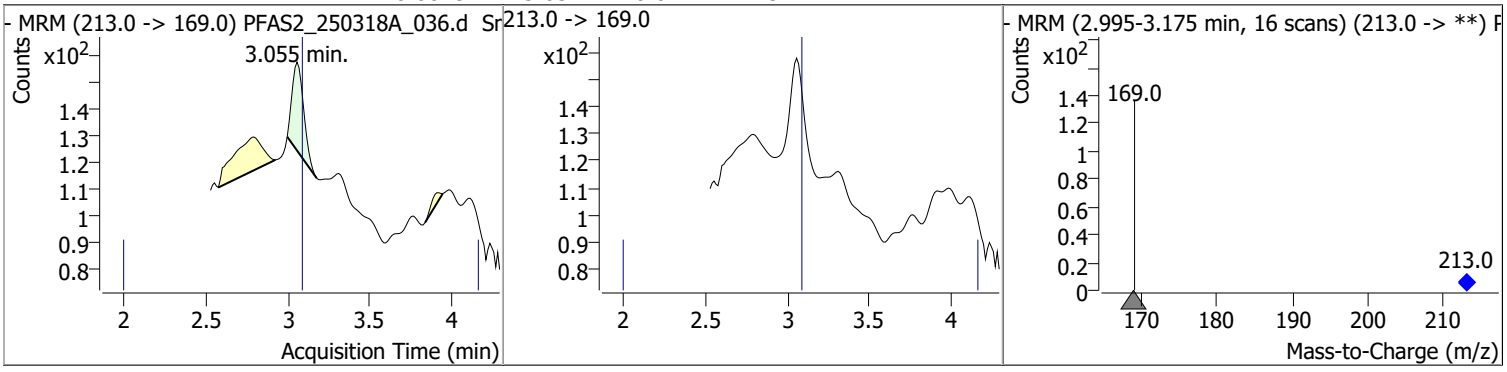
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6069	3.06	-0.01	278446				



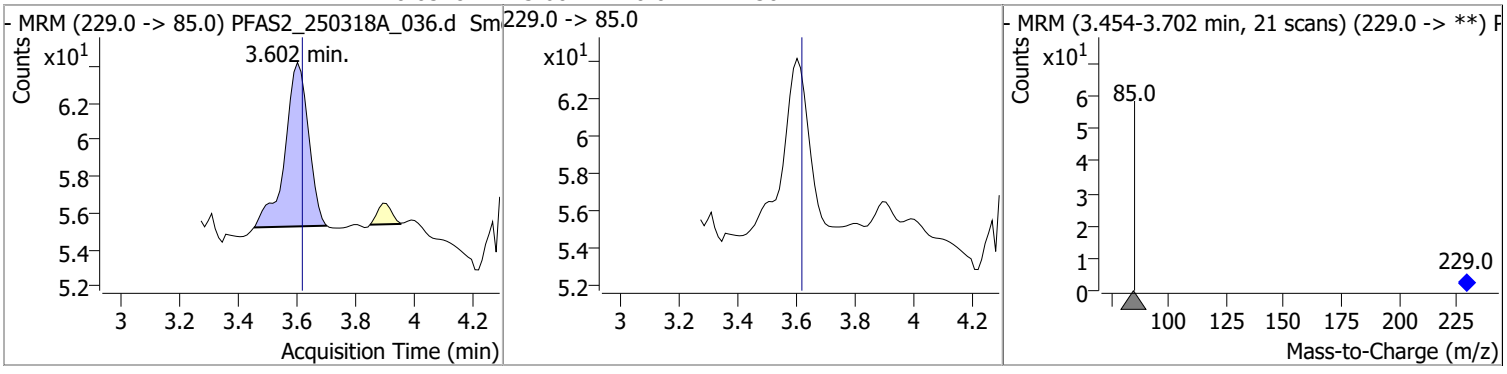
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.02	127545				



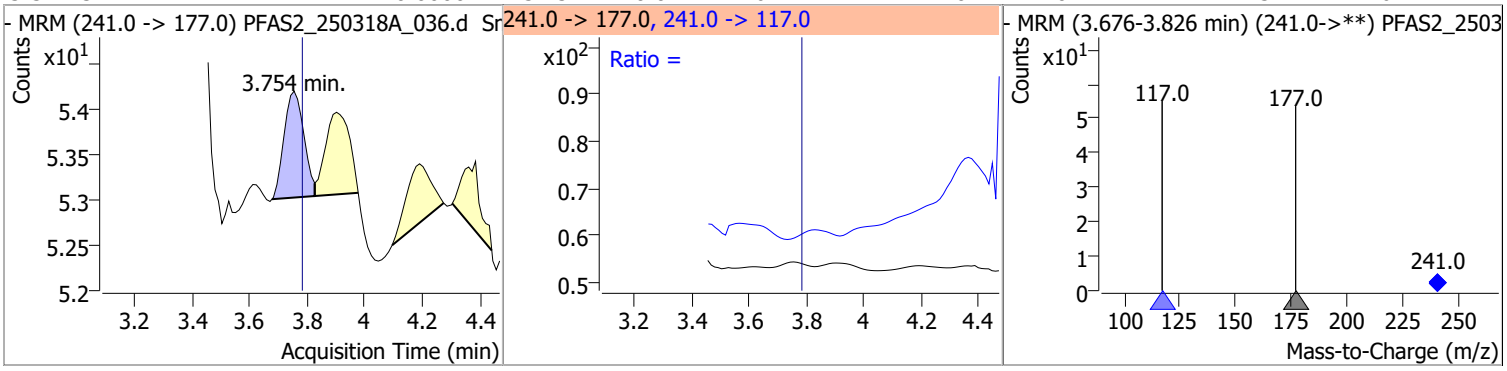
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0875	3.05	-0.02	157				



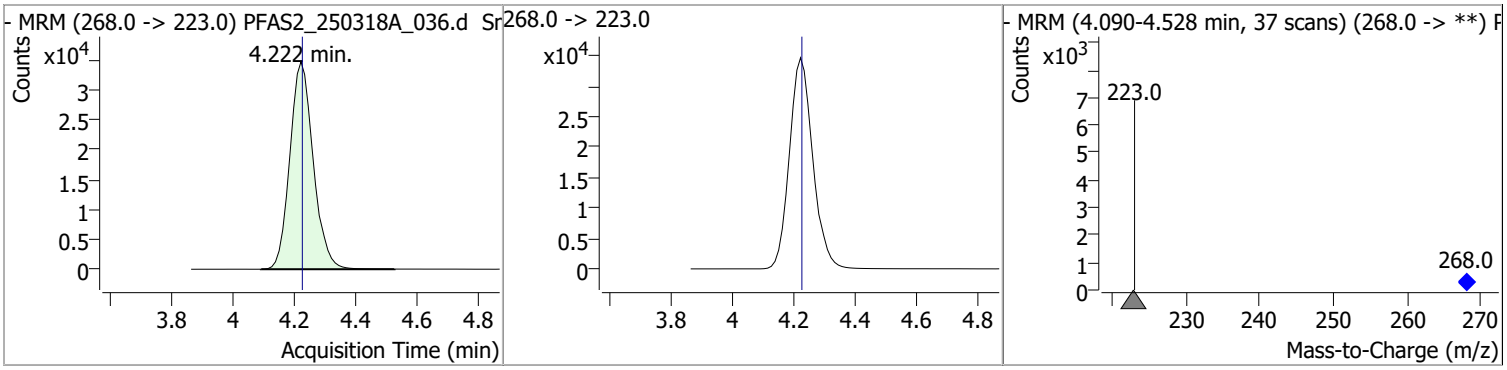
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0578	3.60	-0.01	50				



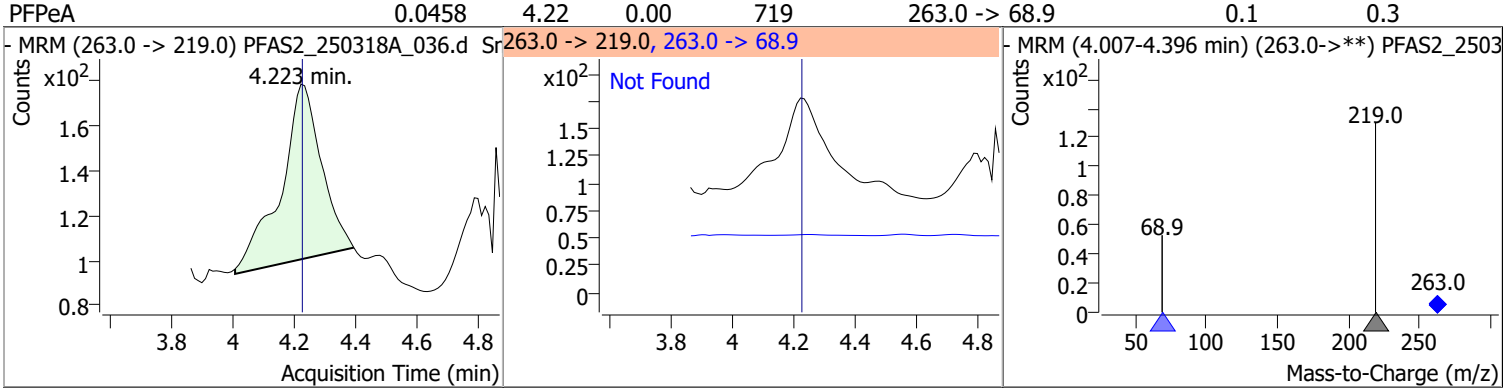
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.75	-0.02	6	241.0 -> 117.0		41.3	76.7



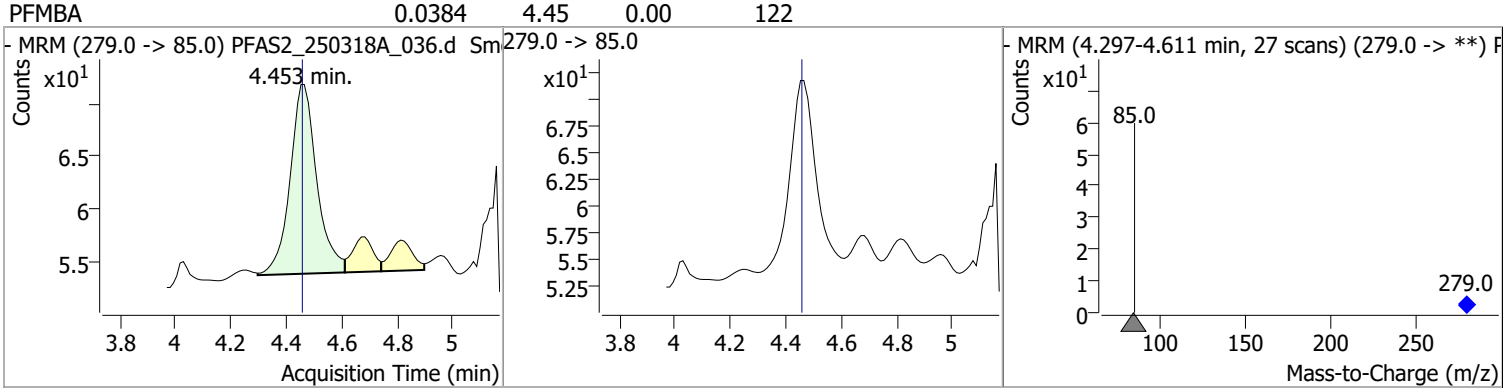
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8117	4.22	0.00	183583				



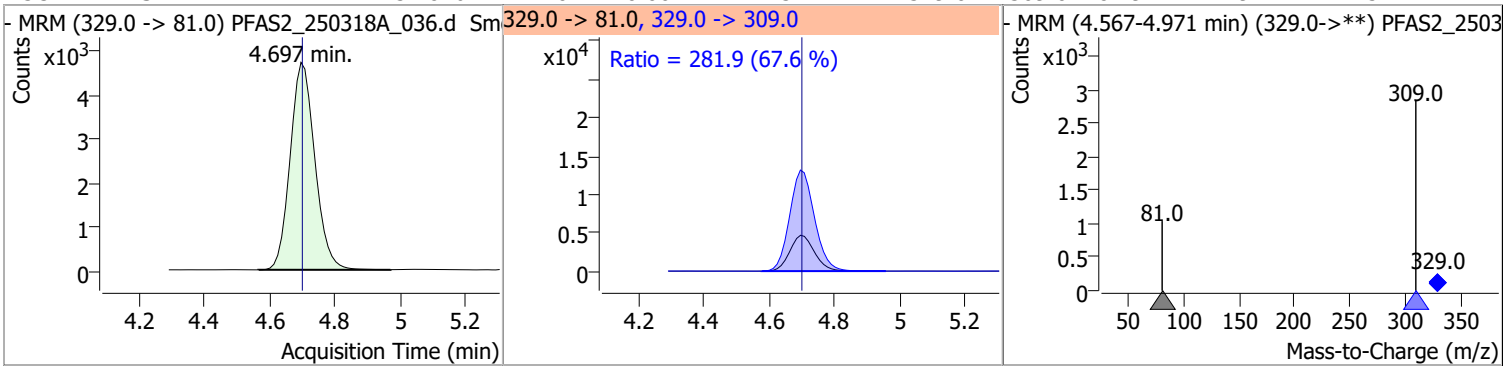
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0458	4.22	0.00	719	263.0 -> 68.9		0.1	0.3



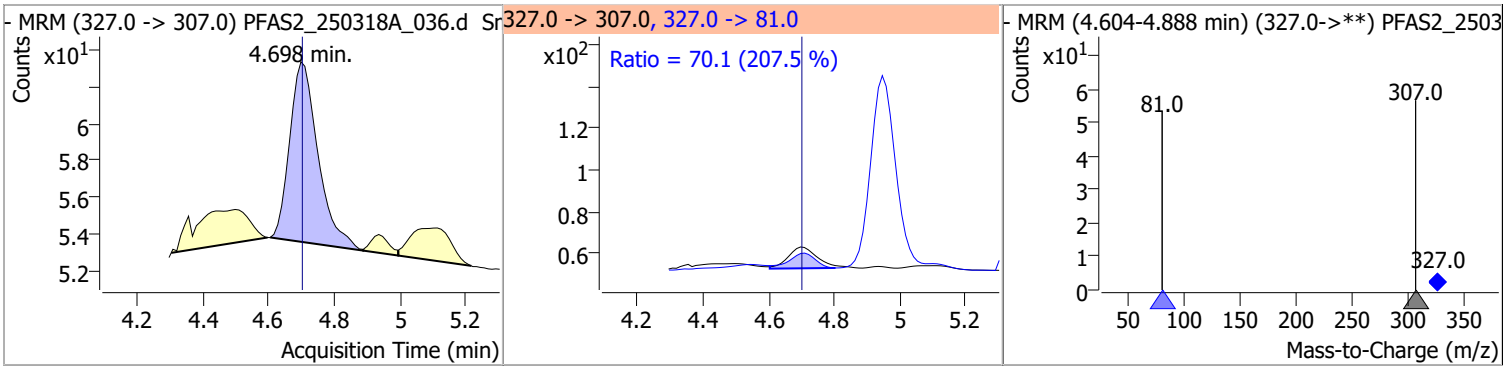
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0384	4.45	0.00	122				



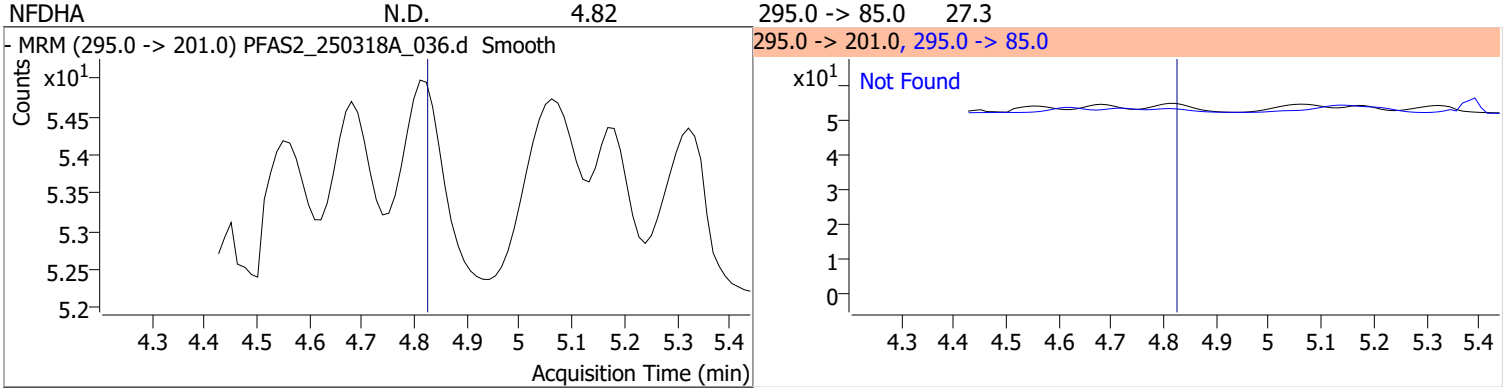
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.2826	4.70	0.00	24514	329.0 -> 309.0	281.9	292.1	542.4



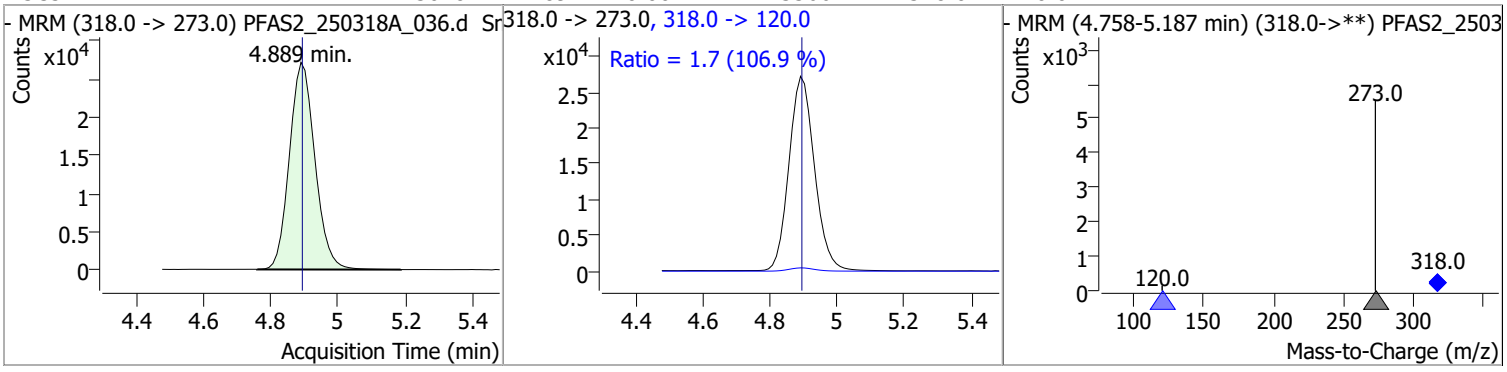
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0039	4.70	0.00	58	327.0 -> 81.0	70.1	23.6	43.9



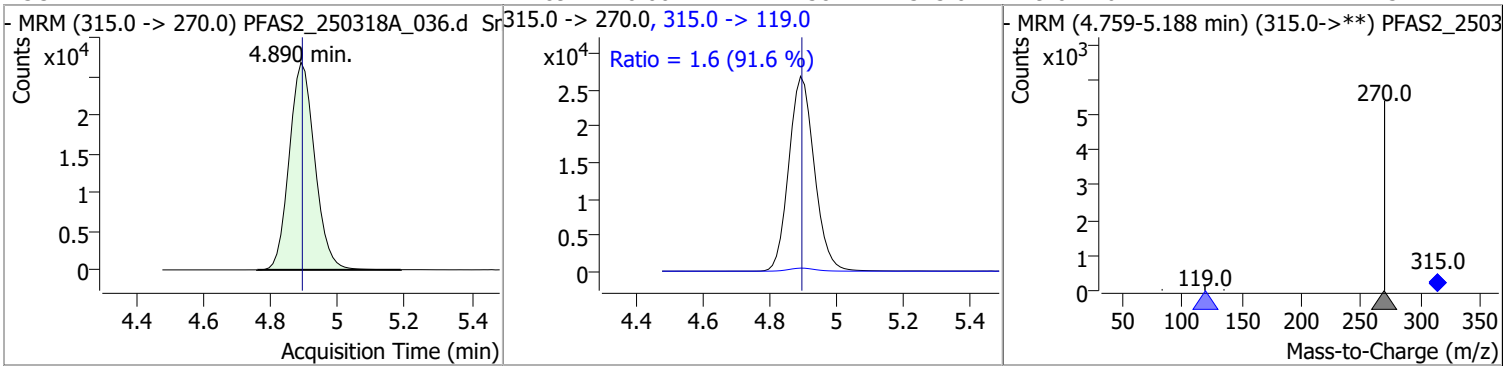
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



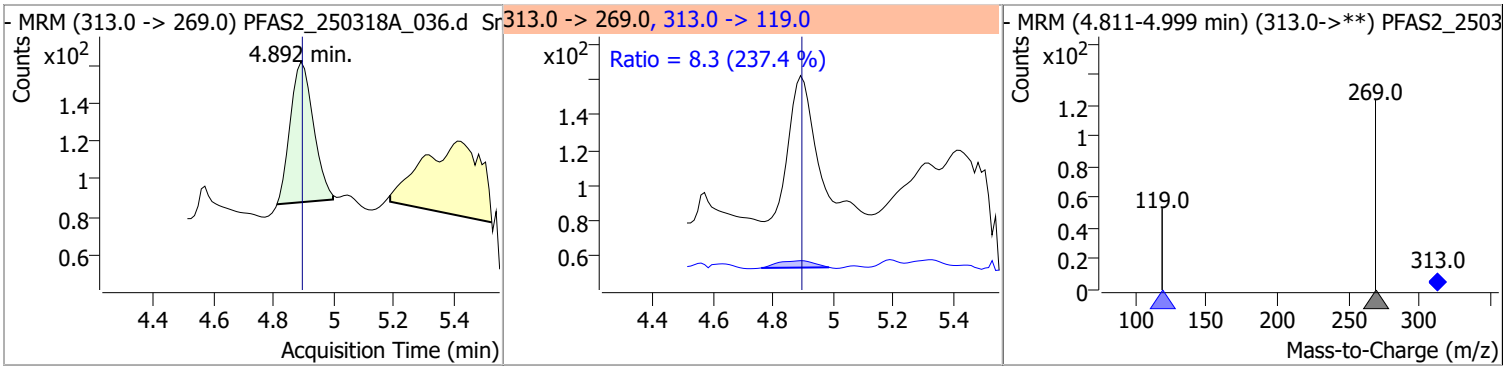
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3018	4.89	0.00	143366	318.0 -> 120.0	1.7	1.1	2.1



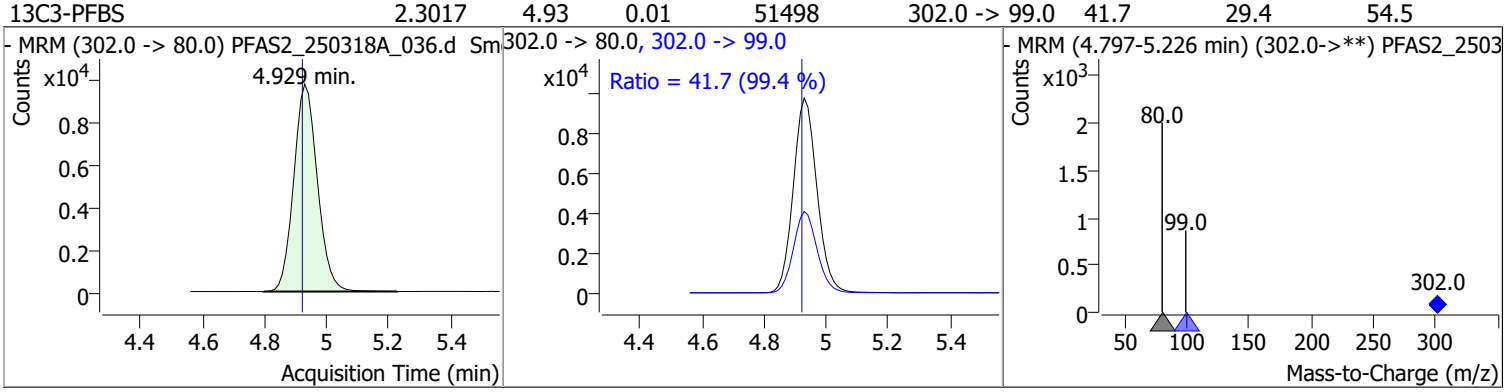
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	141458	315.0 -> 119.0	1.6	1.2	2.3



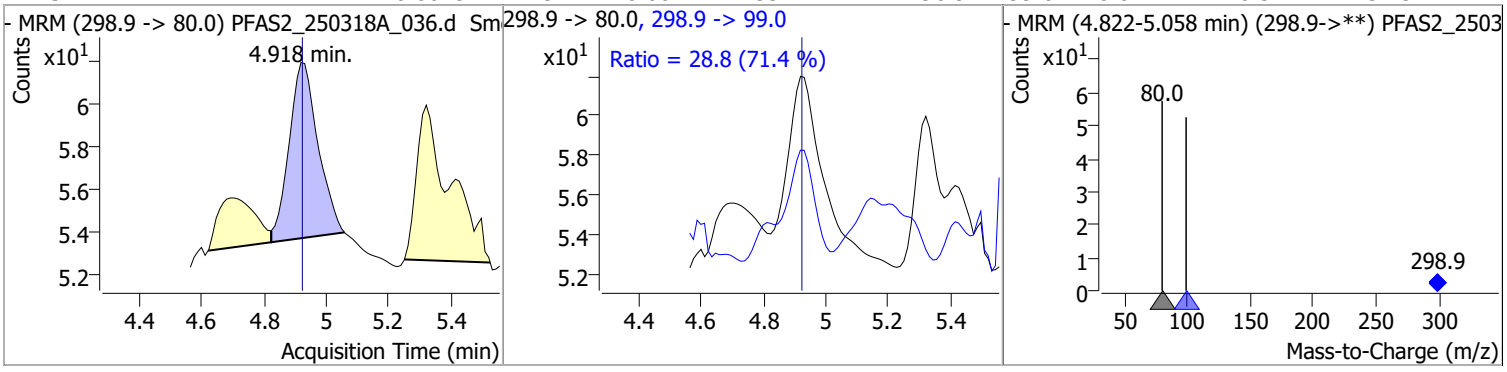
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0078	4.89	0.00	399	313.0 -> 119.0	8.3	2.4	4.5



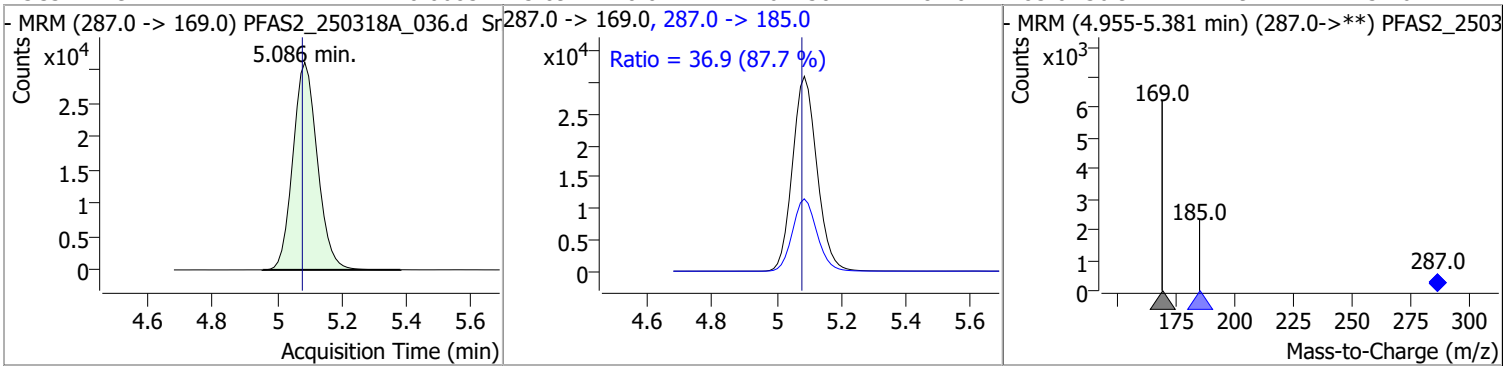
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3017	4.93	0.01	51498	302.0 -> 99.0	41.7	29.4	54.5



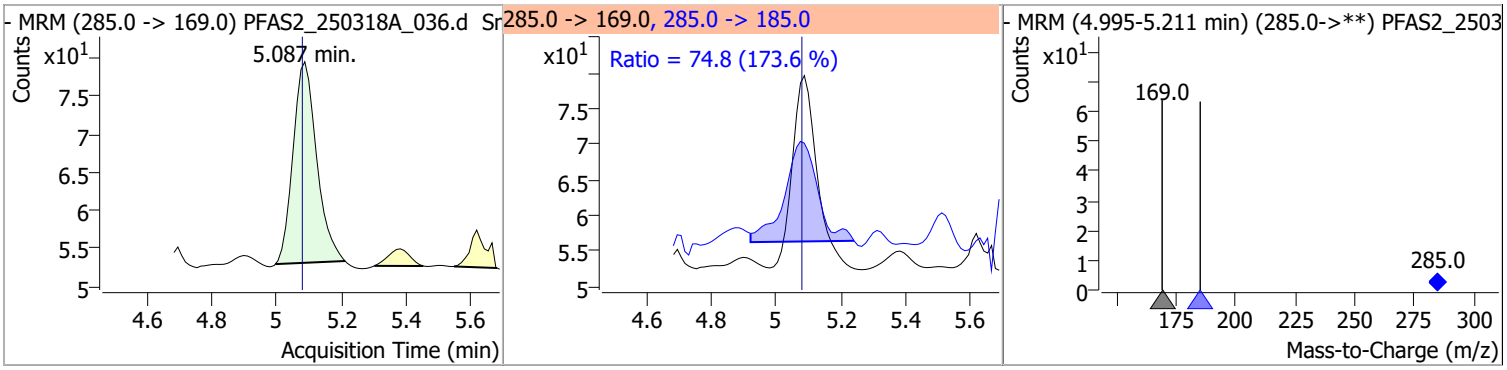
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0025	4.92	0.00	53	298.9 -> 99.0	28.8	28.3	52.5



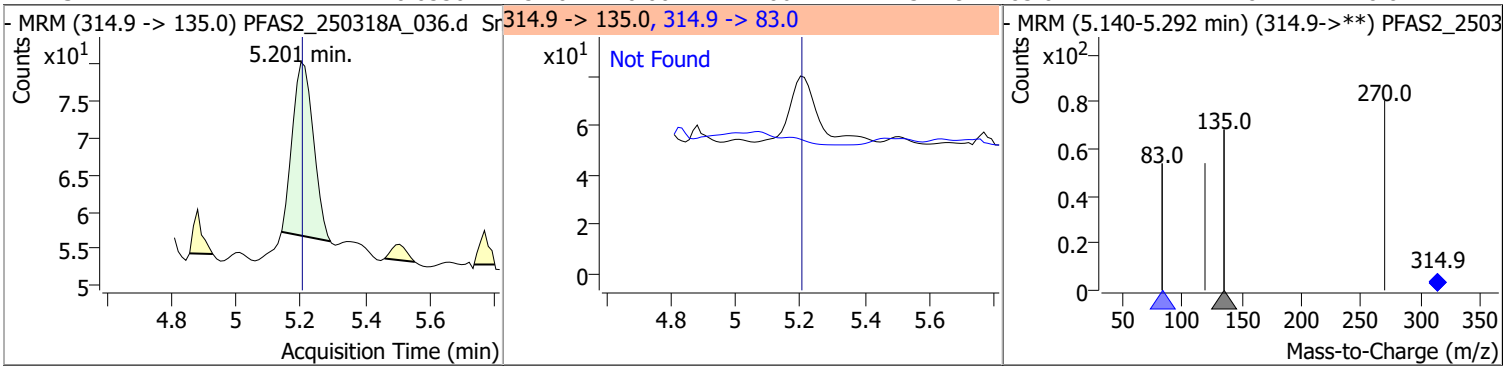
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0685	5.09	0.01	162250	287.0 -> 185.0	36.9	29.4	54.6



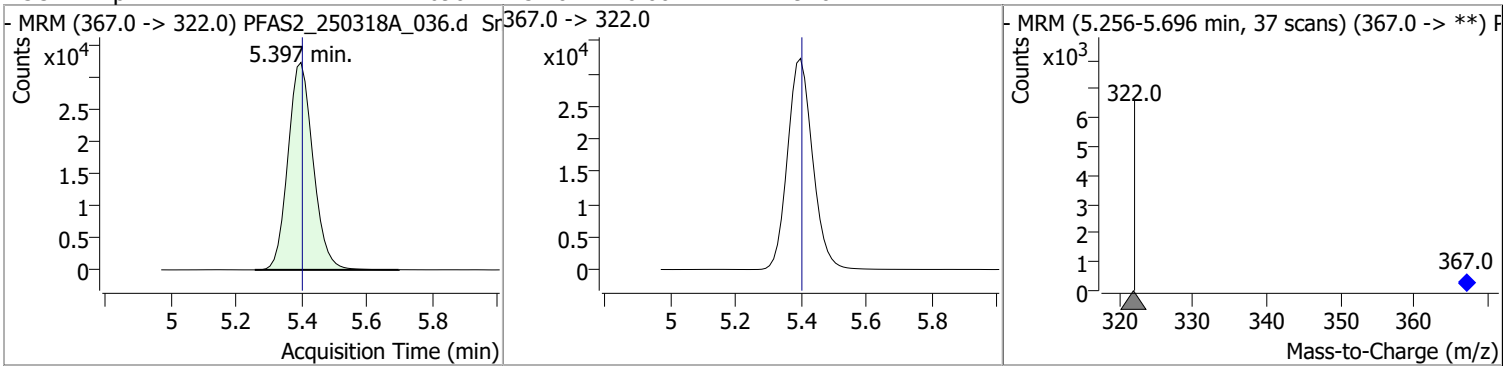
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0093	5.09	0.01	134	285.0 -> 185.0	74.8	30.1	56.0



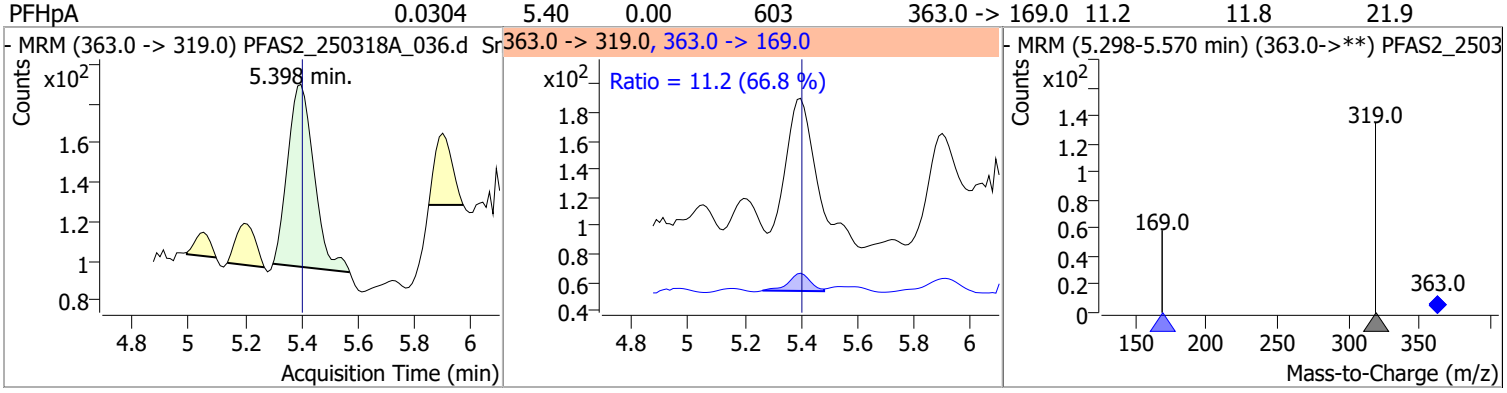
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0530	5.20	0.00	106	314.9 -> 83.0		4.8	8.8



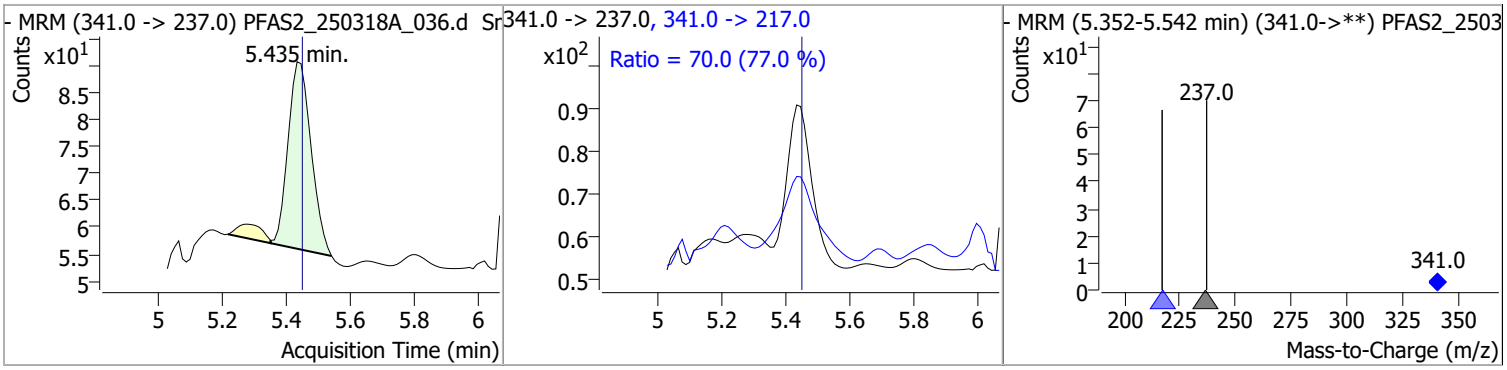
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4690	5.40	0.00	171940				



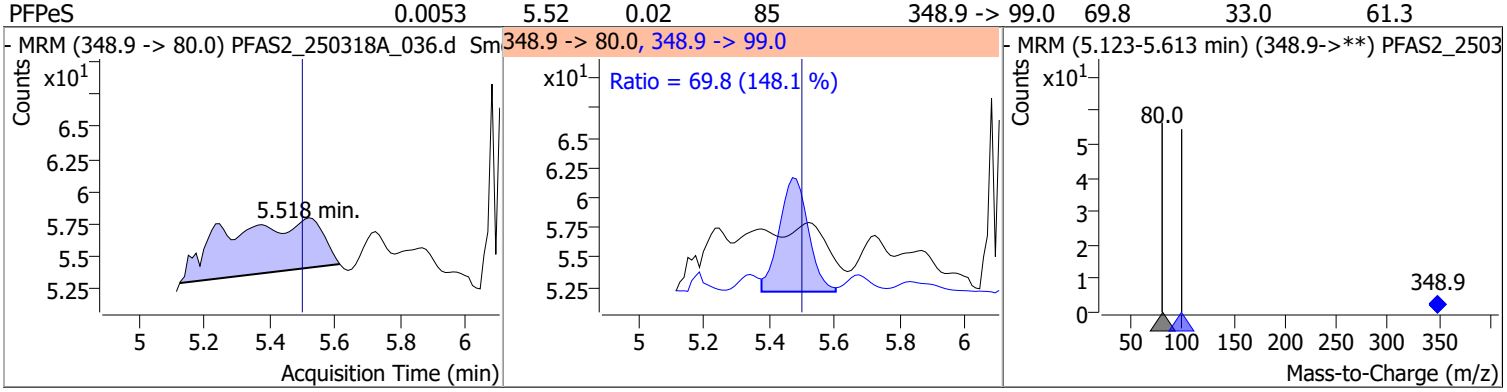
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0304	5.40	0.00	603	363.0 -> 169.0	11.2	11.8	21.9



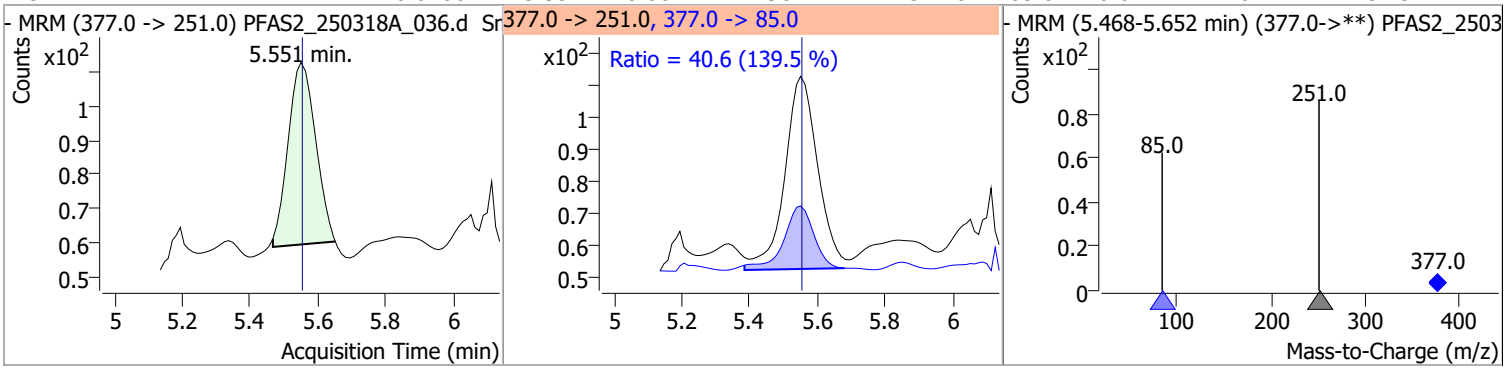
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2206	5.43	-0.01	174	341.0 -> 217.0	70.0	63.6	118.1



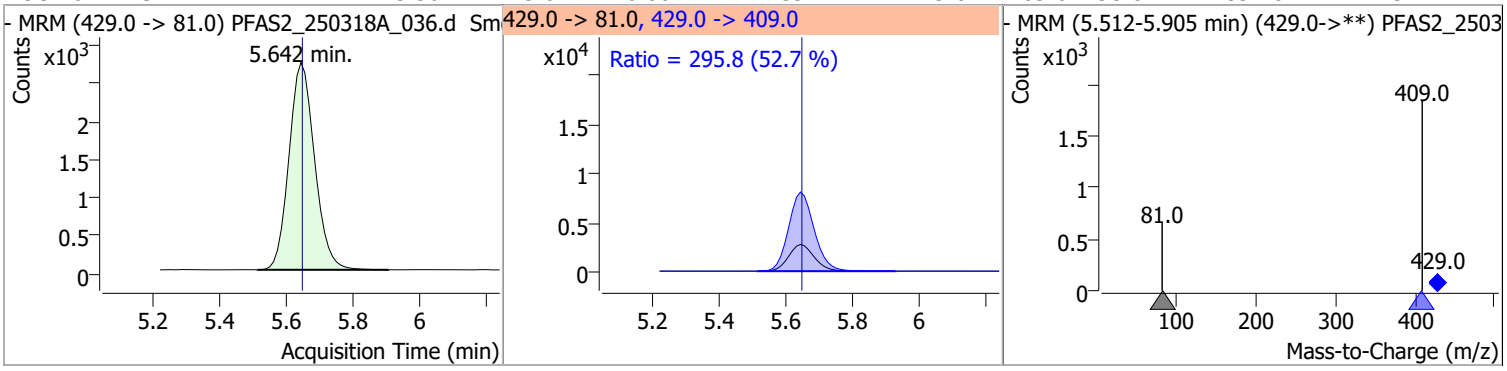
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0053	5.52	0.02	85	348.9 -> 99.0	69.8	33.0	61.3



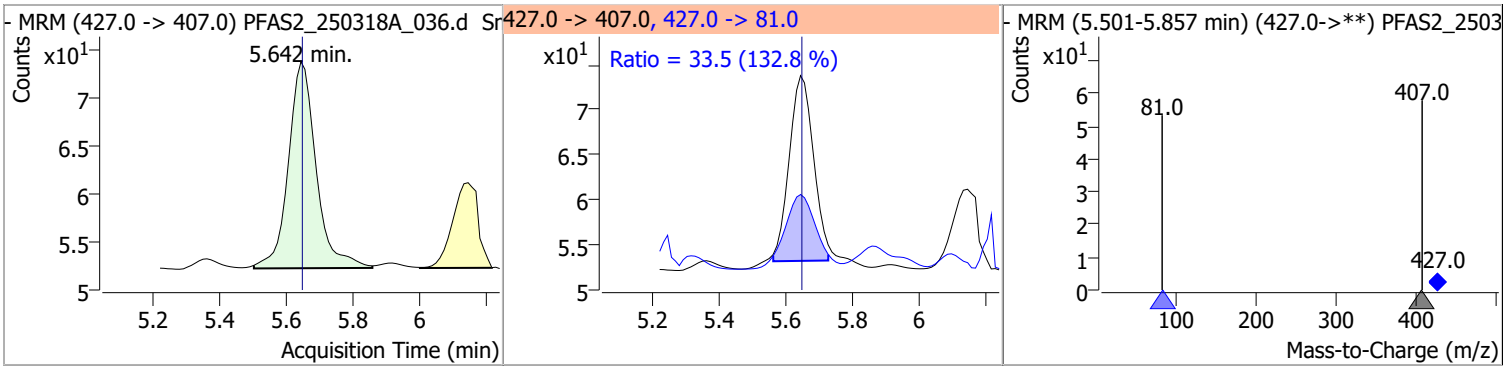
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0706	5.55	0.00	298	377.0 -> 85.0	40.6	20.4	37.9



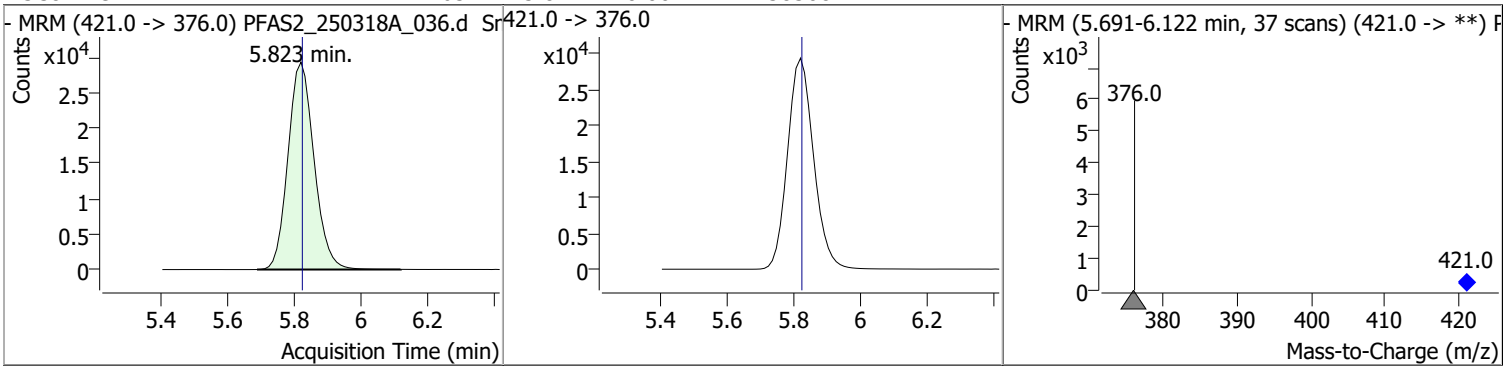
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3641	5.64	0.00	14594	429.0 -> 409.0	295.8	392.8	729.4



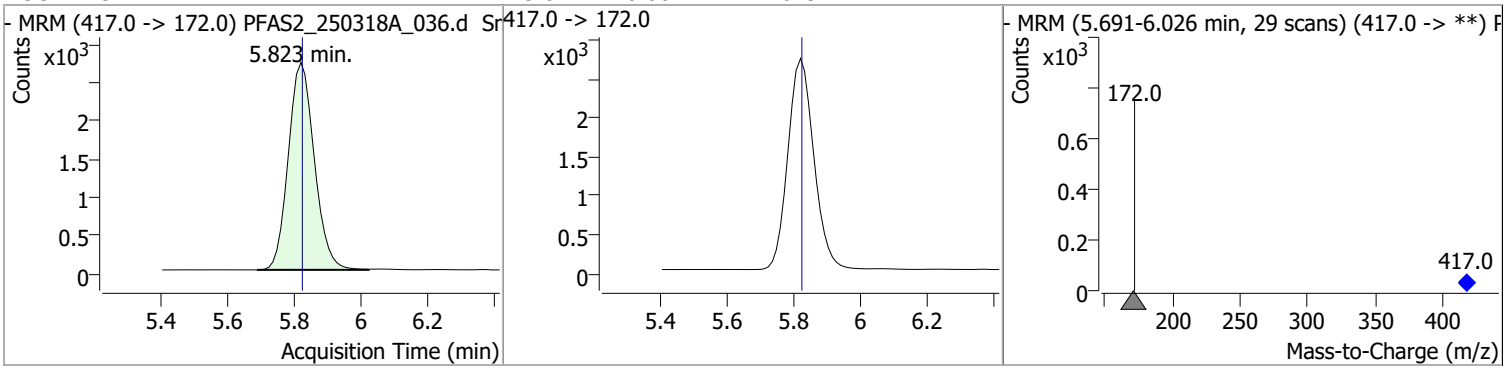
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1222	5.64	0.00	126	427.0 -> 81.0	33.5	17.7	32.8



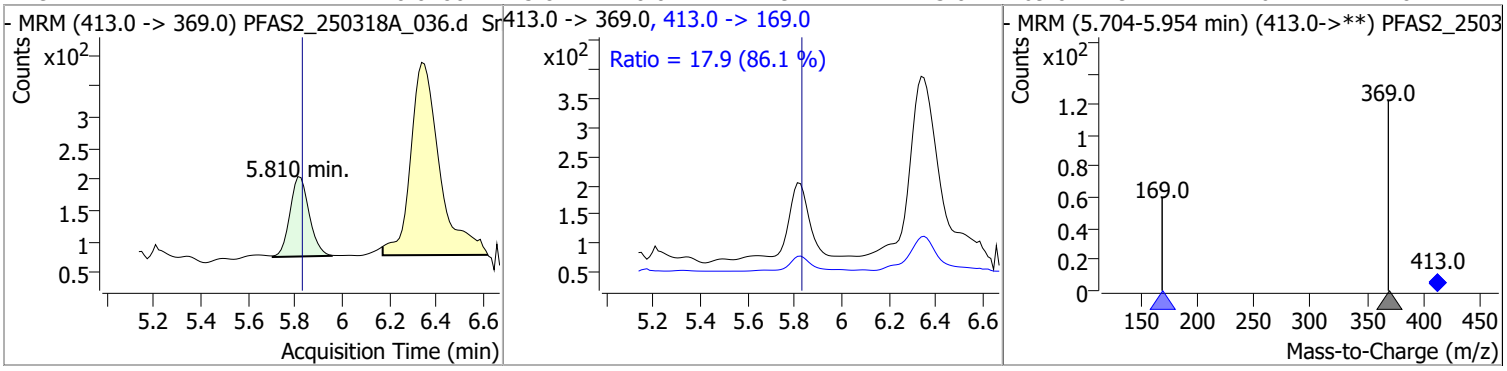
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4165	5.82	0.00	158308				



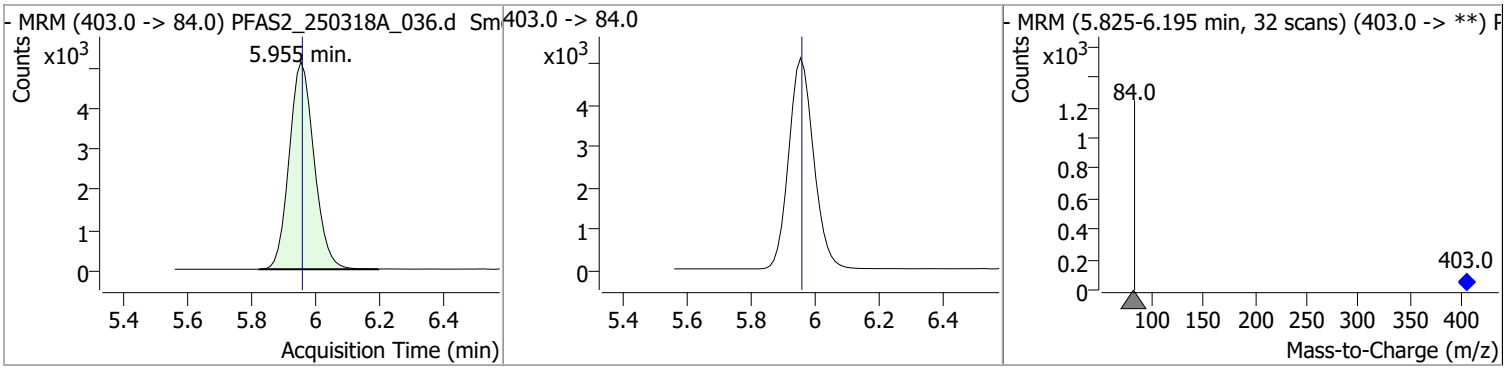
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14649				



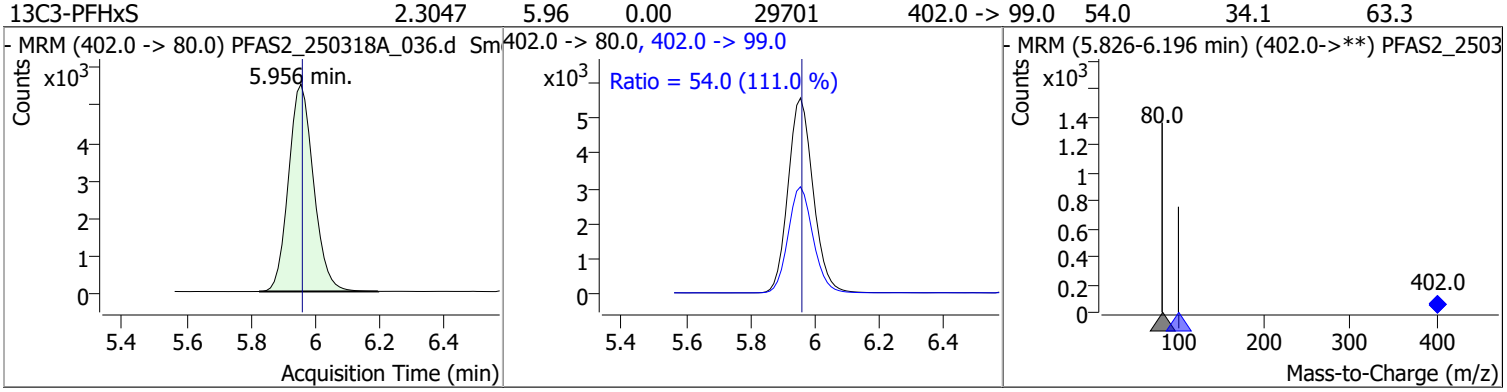
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0480	5.81	-0.01	729	413.0 -> 169.0	17.9	14.6	27.0



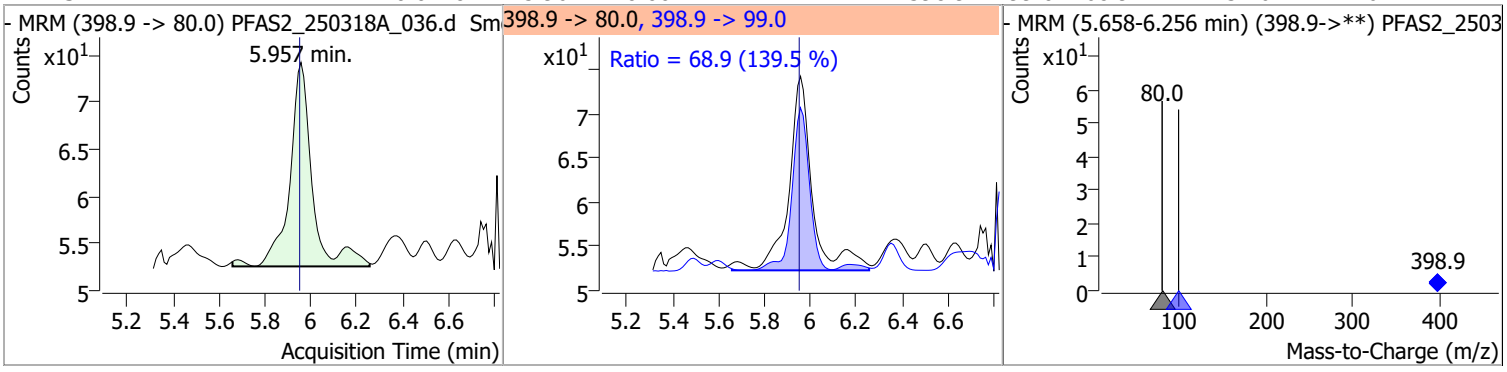
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	27322				



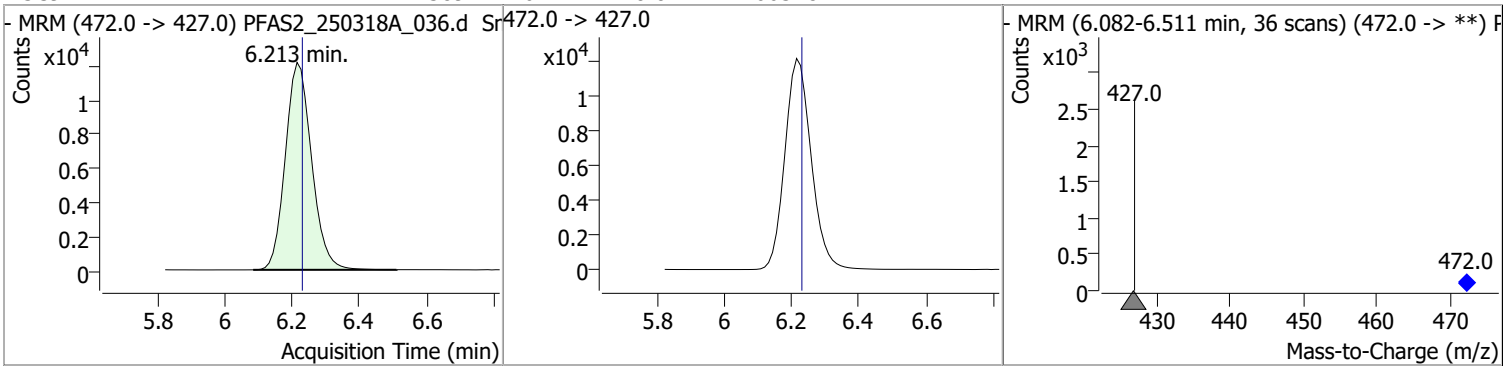
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3047	5.96	0.00	29701	402.0 -> 99.0	54.0	34.1	63.3



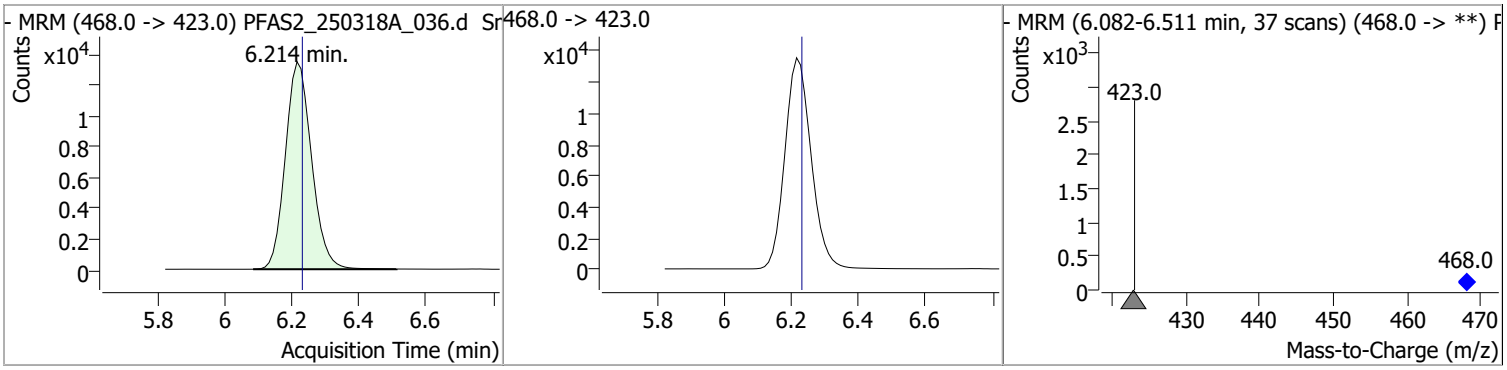
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.96	0.00	147	398.9 -> 99.0	68.9	34.6	64.2



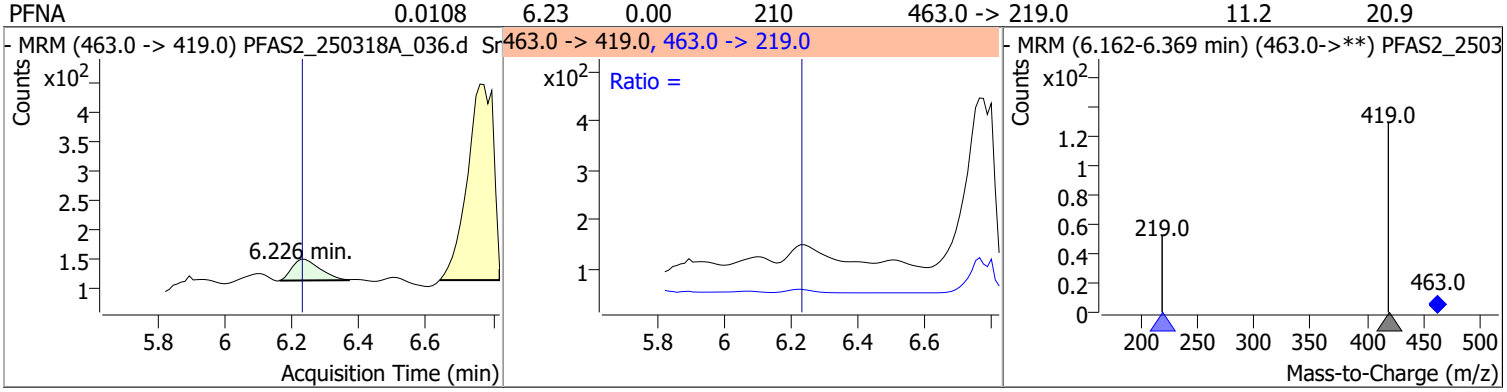
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1389	6.21	-0.01	66378				



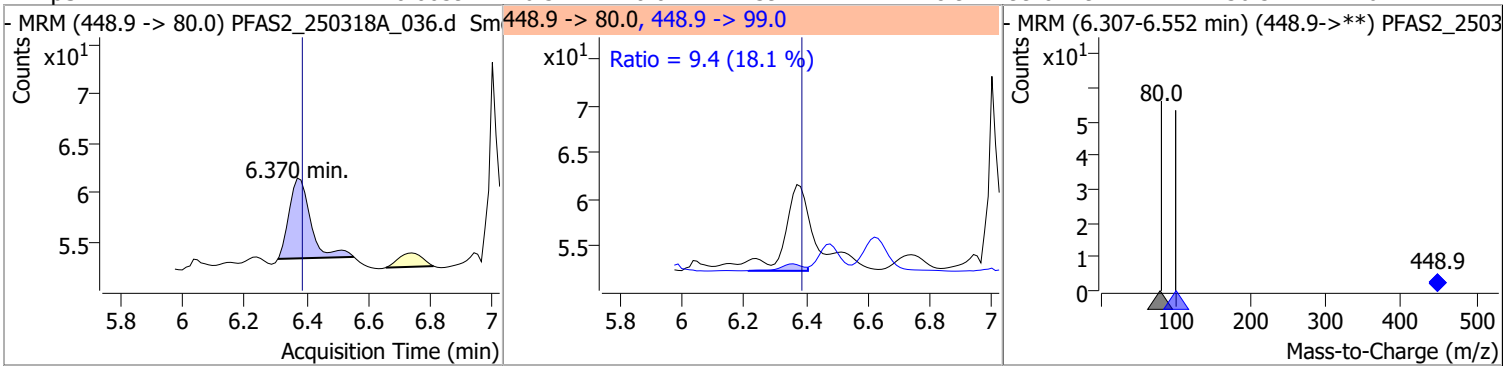
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	73550				



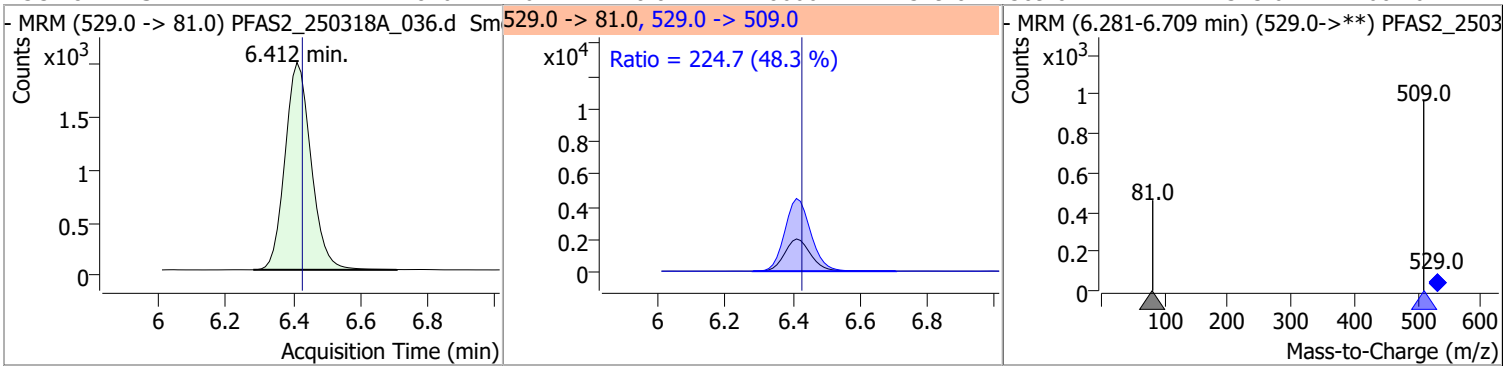
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0108	6.23	0.00	210	463.0 -> 219.0		11.2	20.9



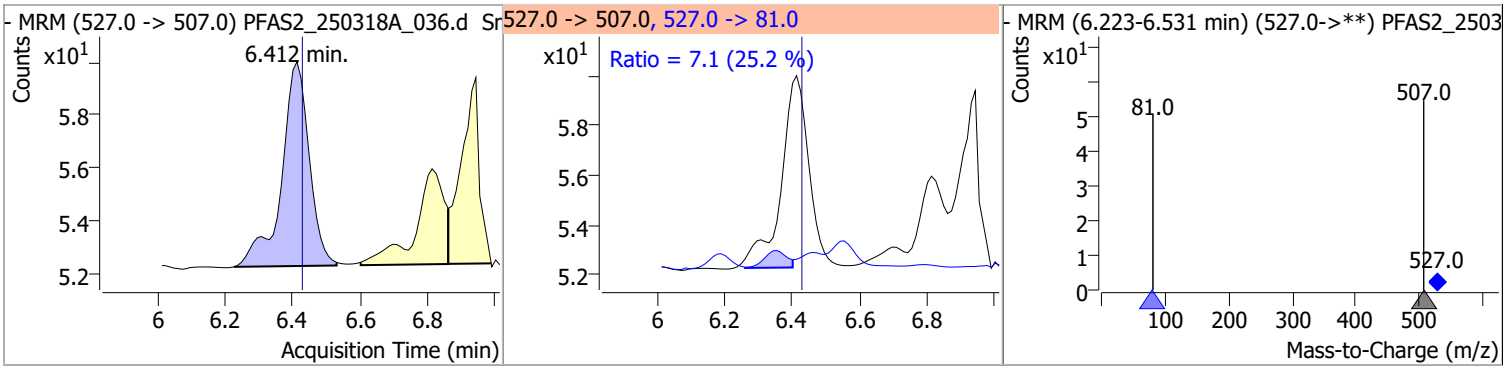
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0039	6.37	-0.01	39	448.9 -> 99.0	9.4	36.5	67.7



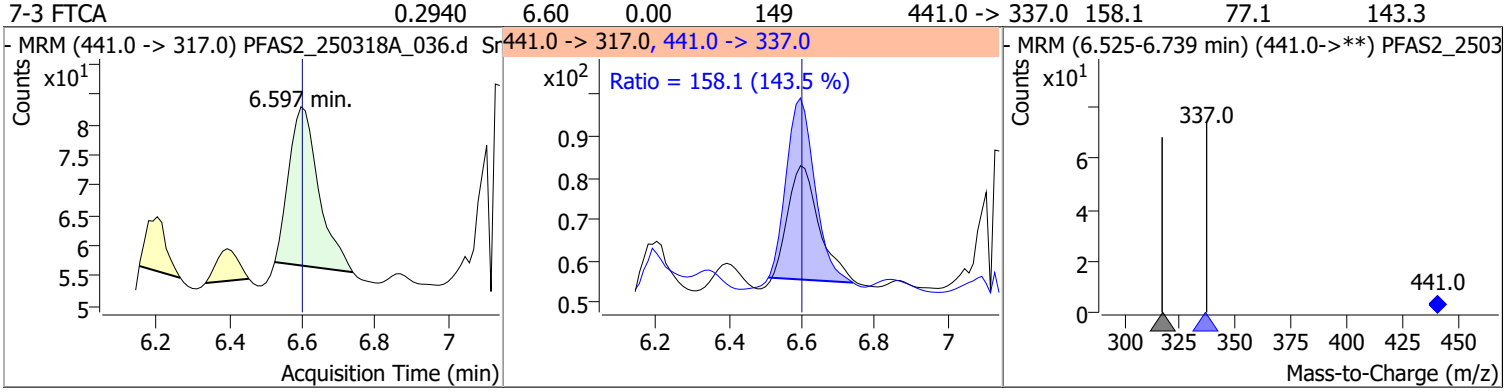
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8762	6.41	-0.01	10666	529.0 -> 509.0	224.7	325.6	604.6



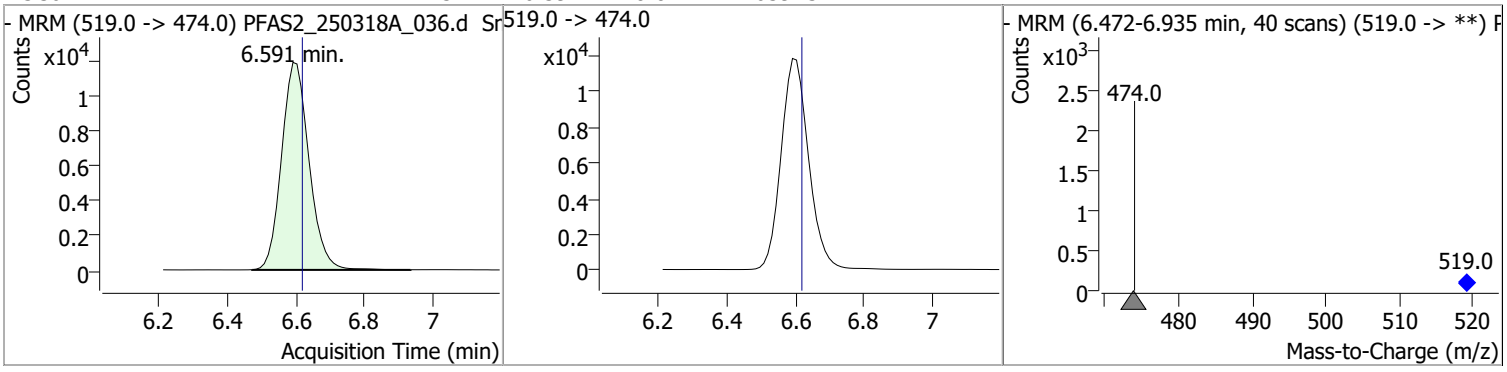
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0815	6.41	-0.01	45	527.0 -> 81.0	7.1	19.7	36.6



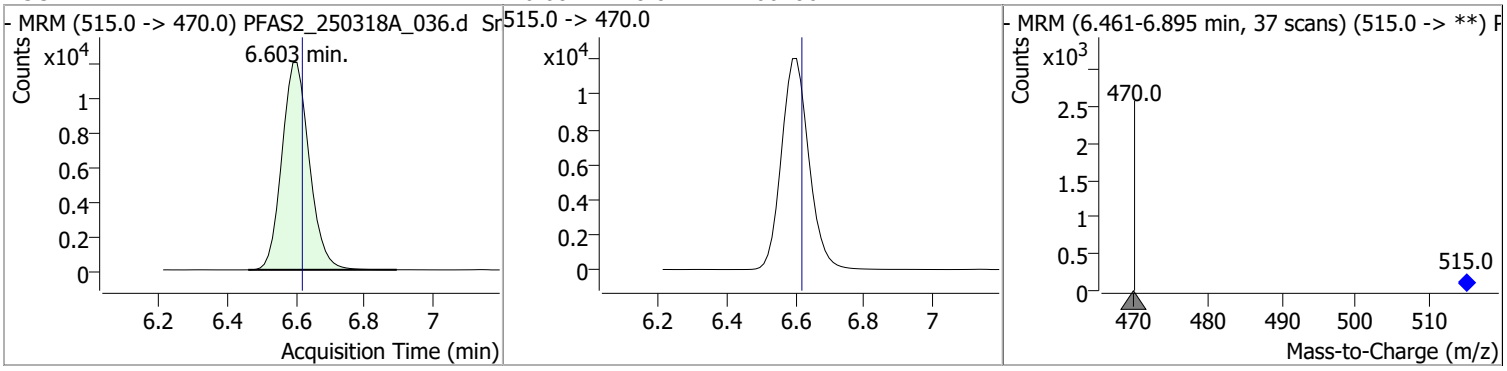
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2940	6.60	0.00	149	441.0 -> 337.0	158.1	77.1	143.3



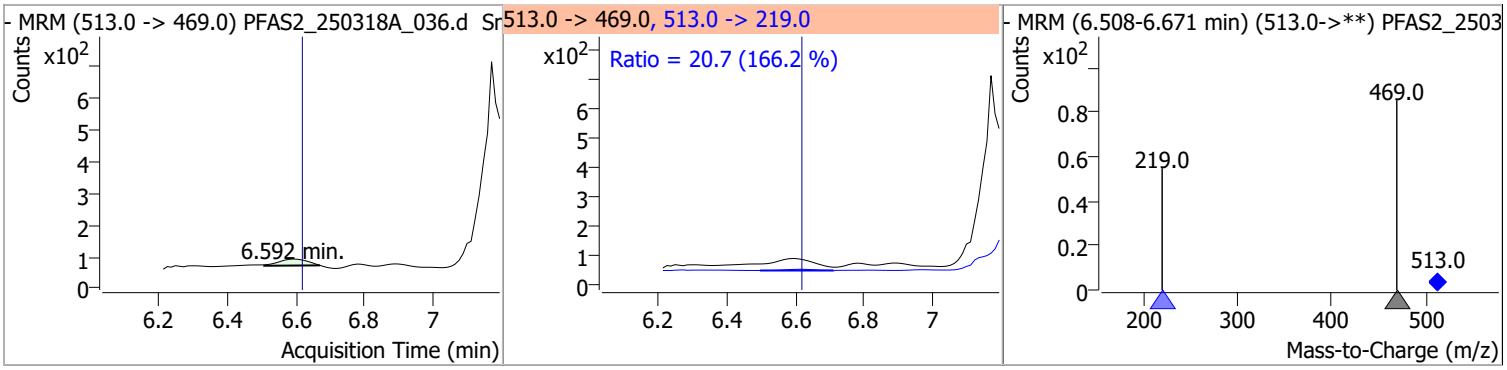
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2154	6.59	-0.02	65973				



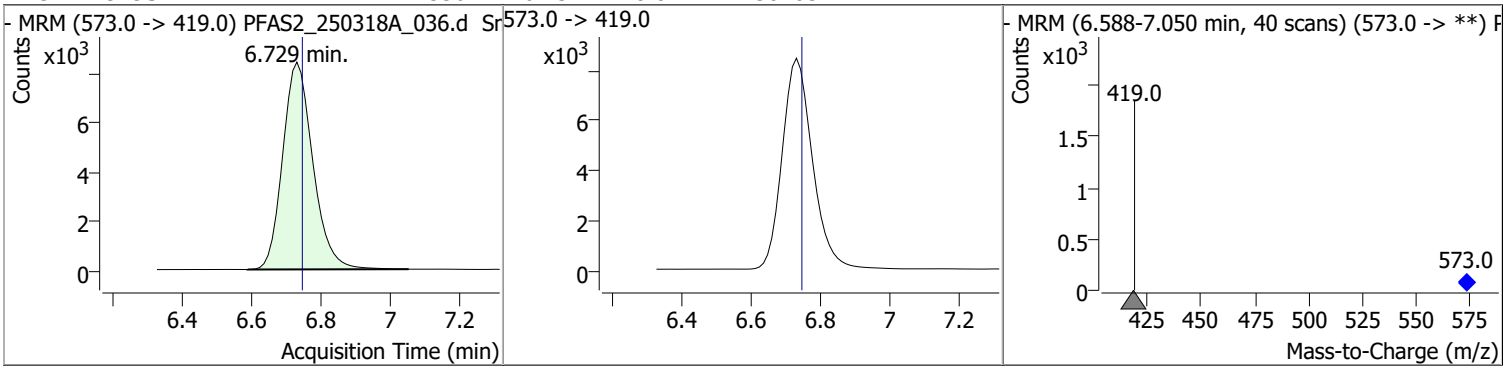
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	66706				



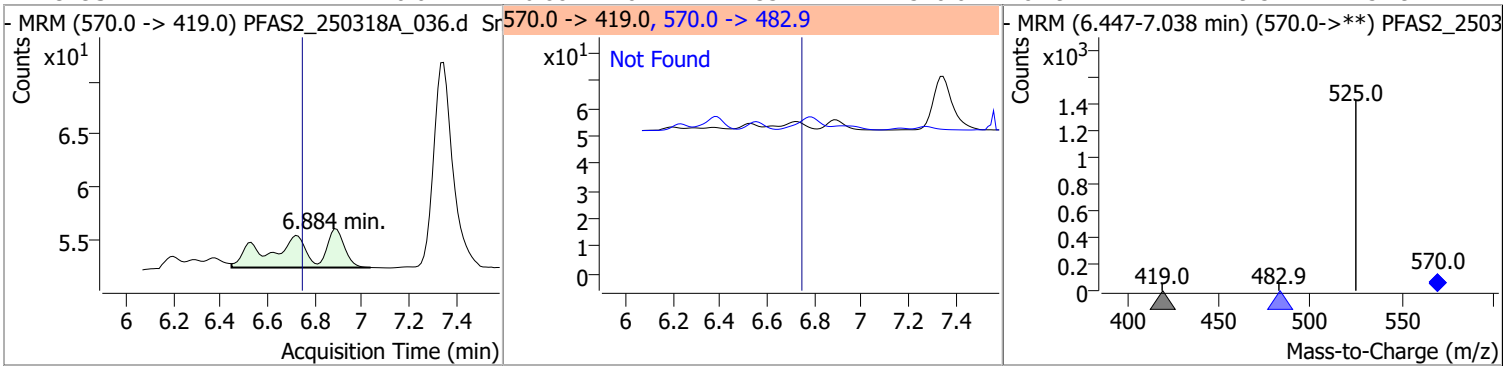
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.59	-0.02	119	513.0 -> 219.0	20.7	8.7	16.2



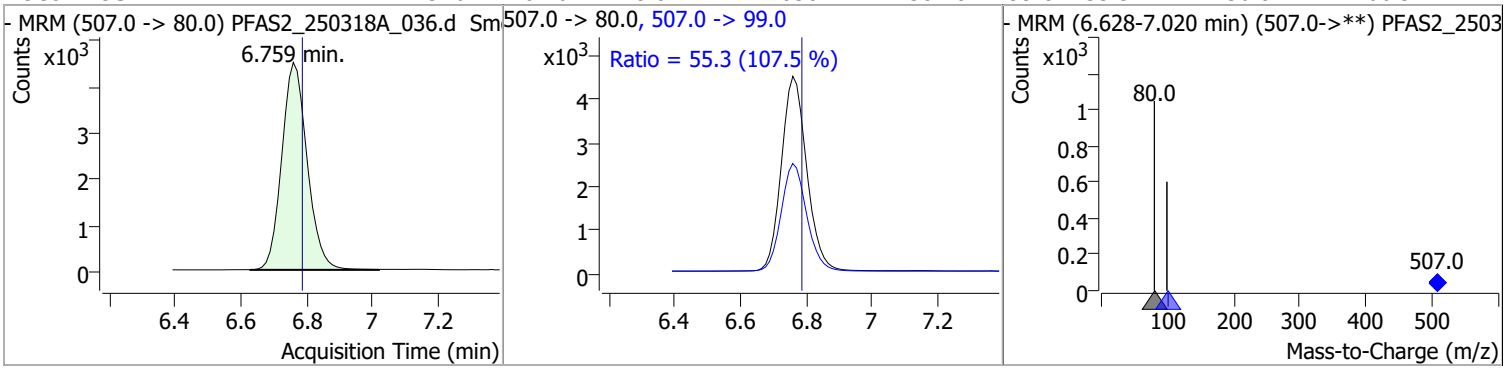
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7536	6.73	-0.01	50705				



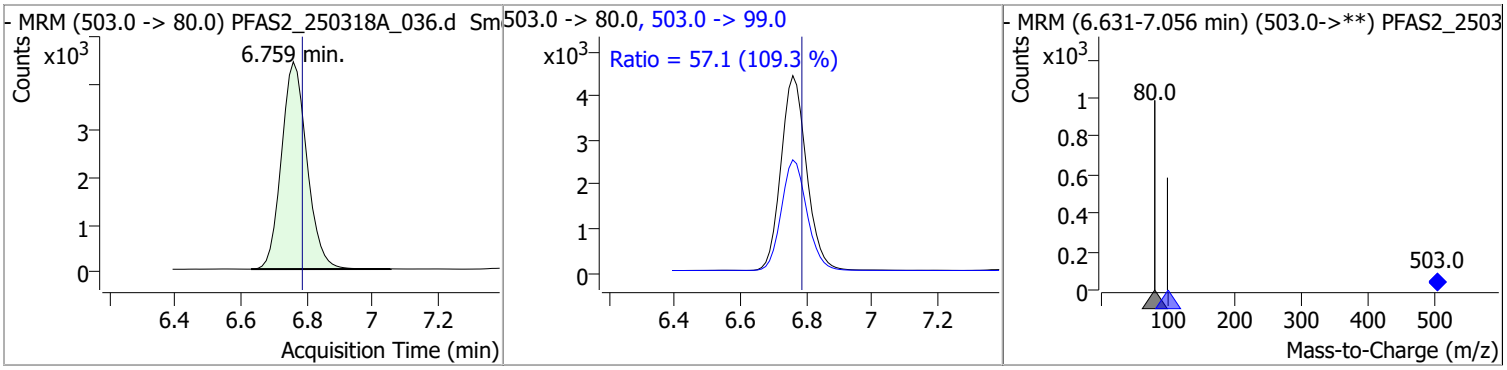
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0141	6.88	0.14	53	570.0 -> 482.9		29.5	54.9



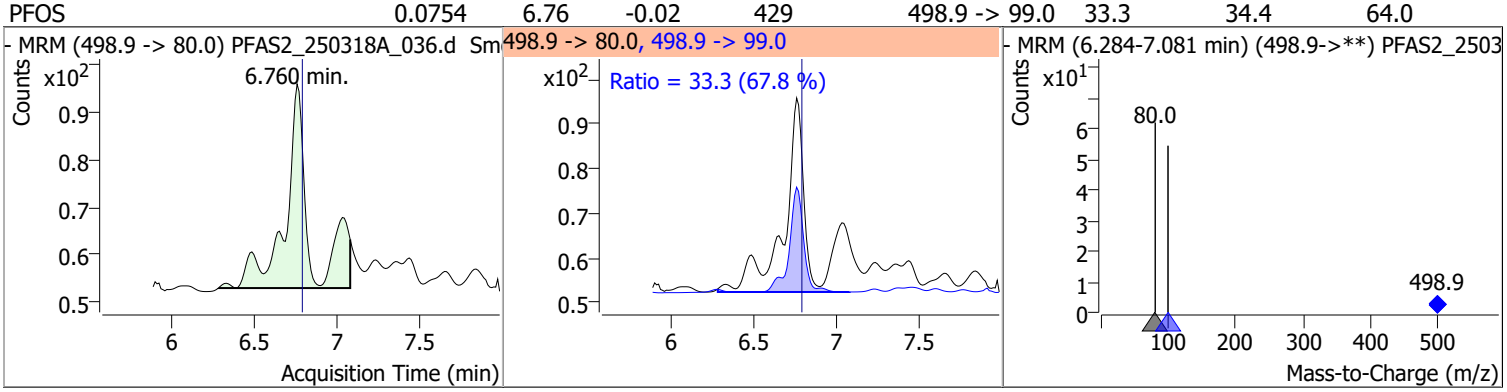
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4926	6.76	-0.02	24050	507.0 -> 99.0	55.3	36.0	66.9



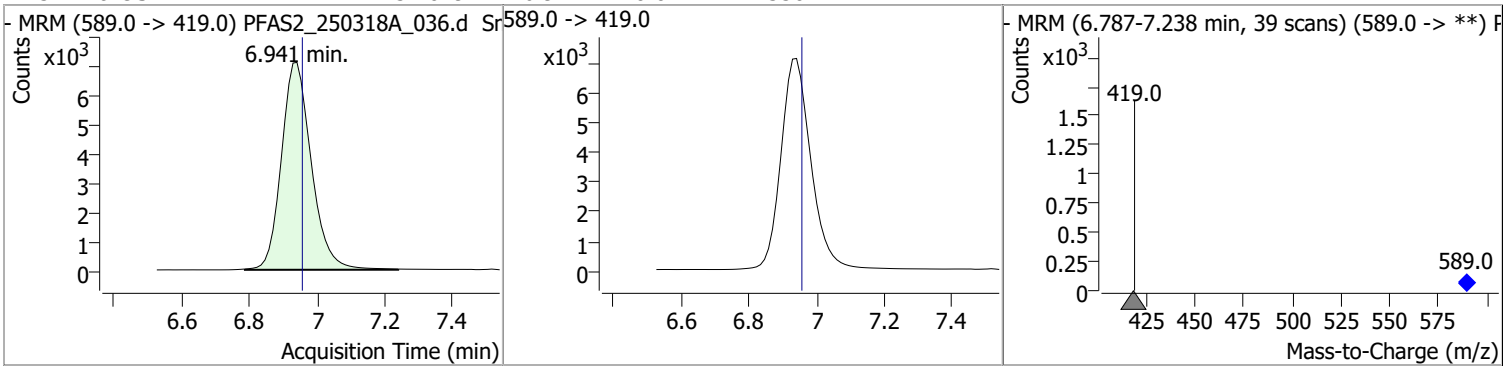
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	-0.02	23773	503.0 -> 99.0	57.1	36.6	67.9



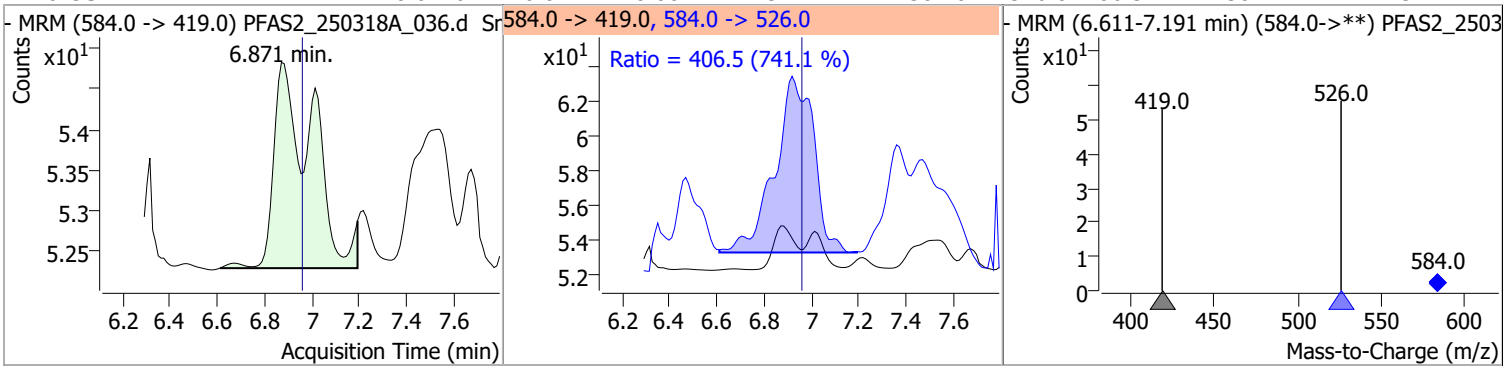
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0754	6.76	-0.02	429	498.9 -> 99.0	33.3	34.4	64.0



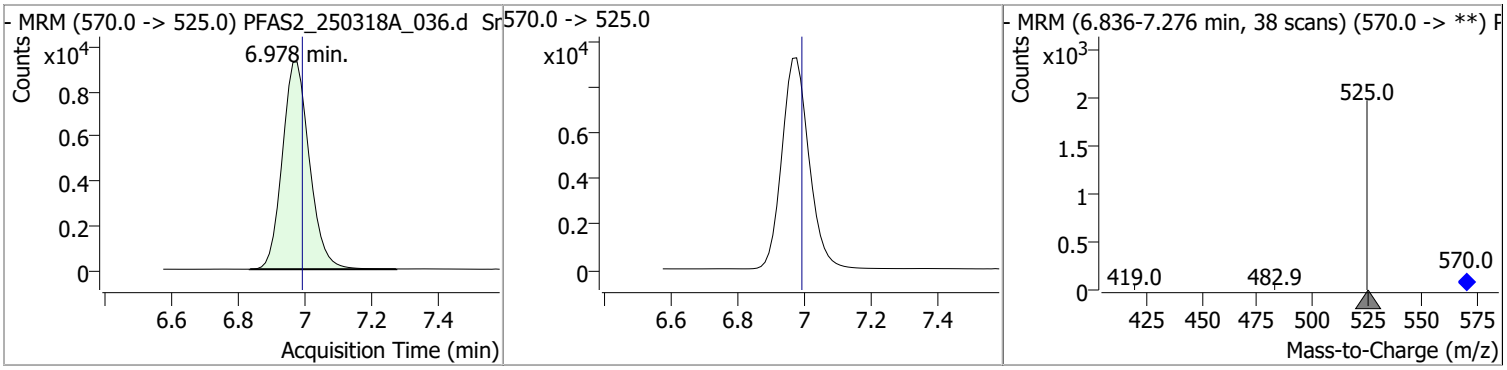
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.4019	6.94	-0.01	43502				



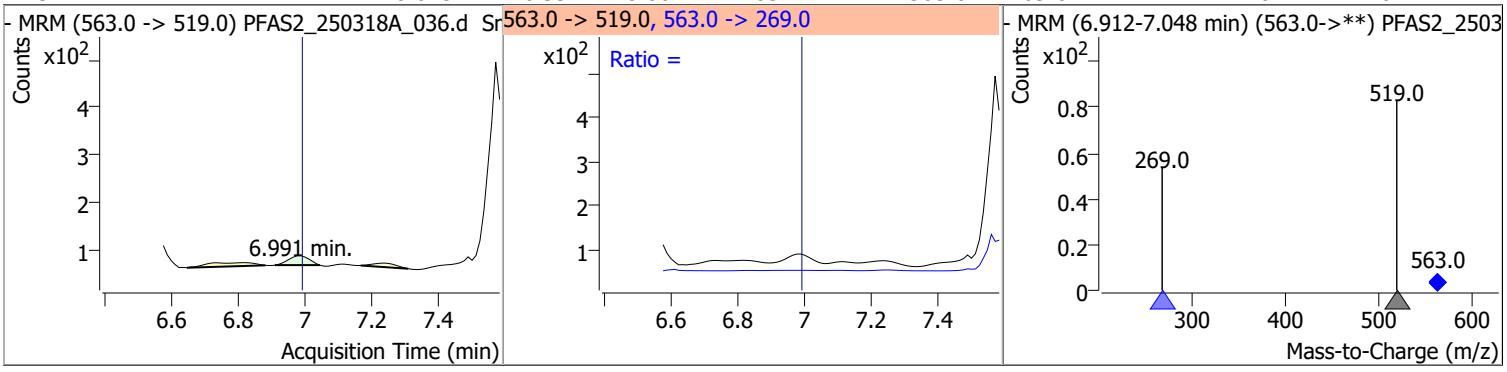
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0146	6.87	-0.08	29	584.0 -> 526.0	406.5	38.4	71.3



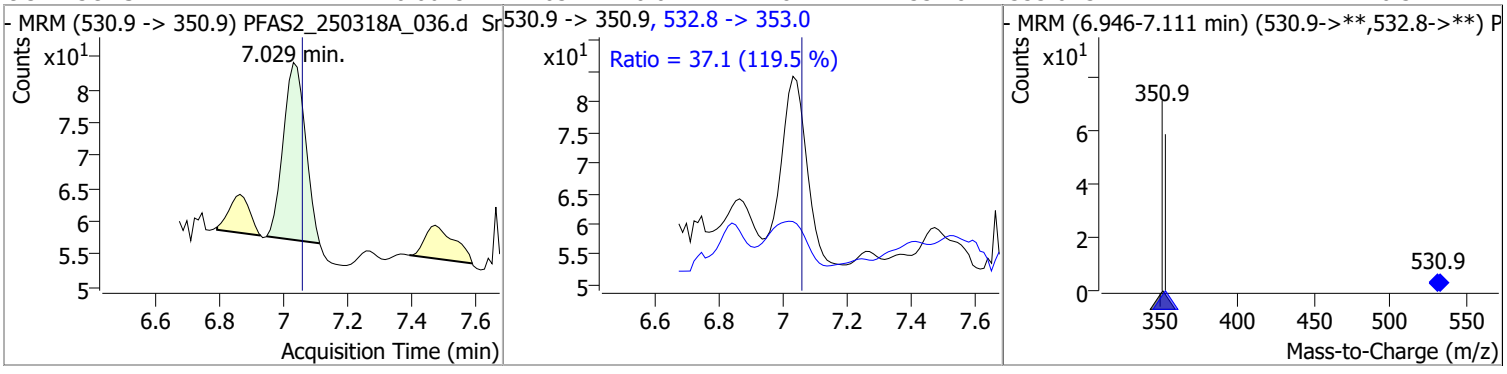
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2245	6.98	-0.01	52383				



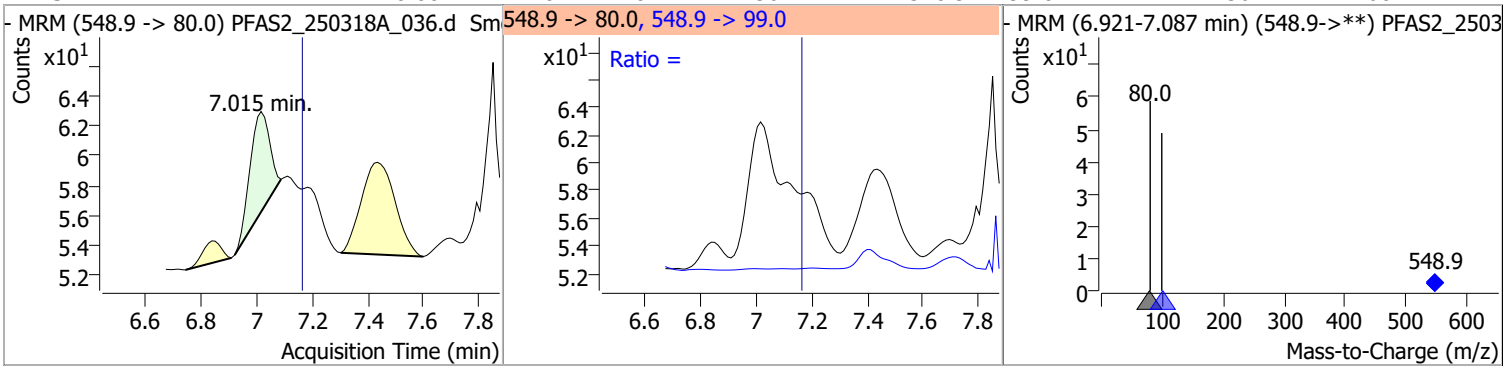
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0154	6.99	0.00	83	563.0 -> 269.0		11.0	20.4



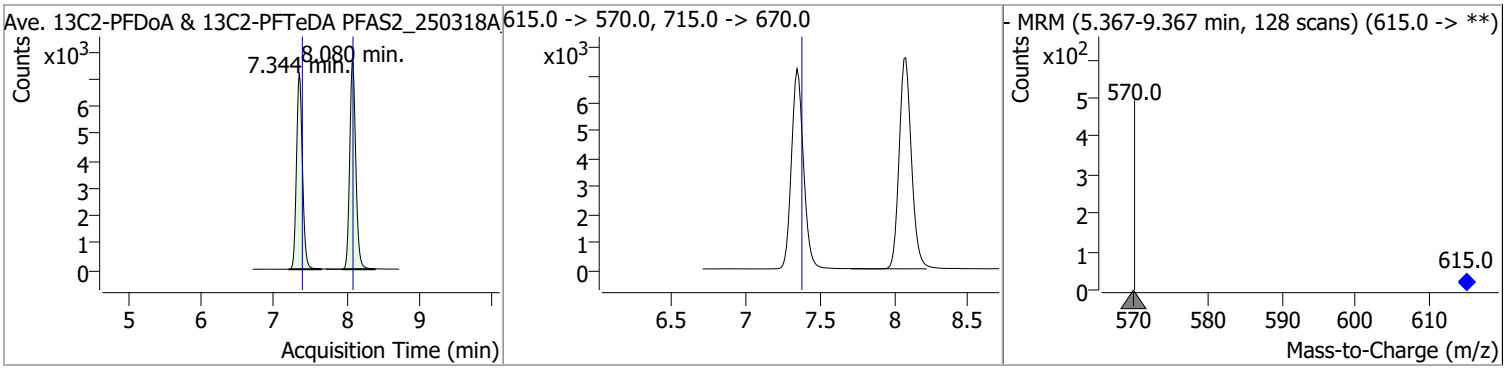
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0675	7.03	-0.02	128	532.8 -> 353.0	37.1	21.7	40.3



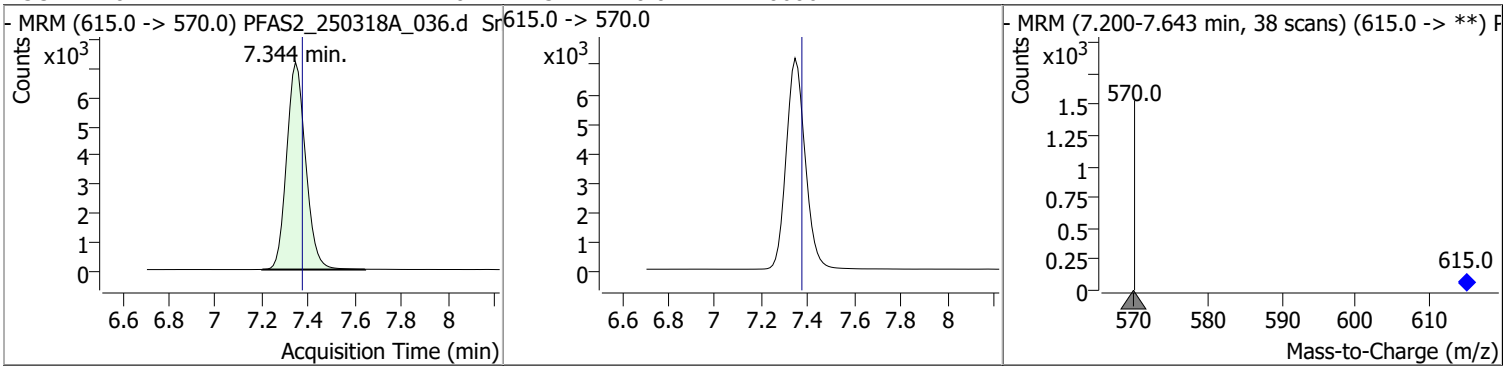
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0044	7.02	-0.14	36	548.9 -> 99.0		36.7	68.1



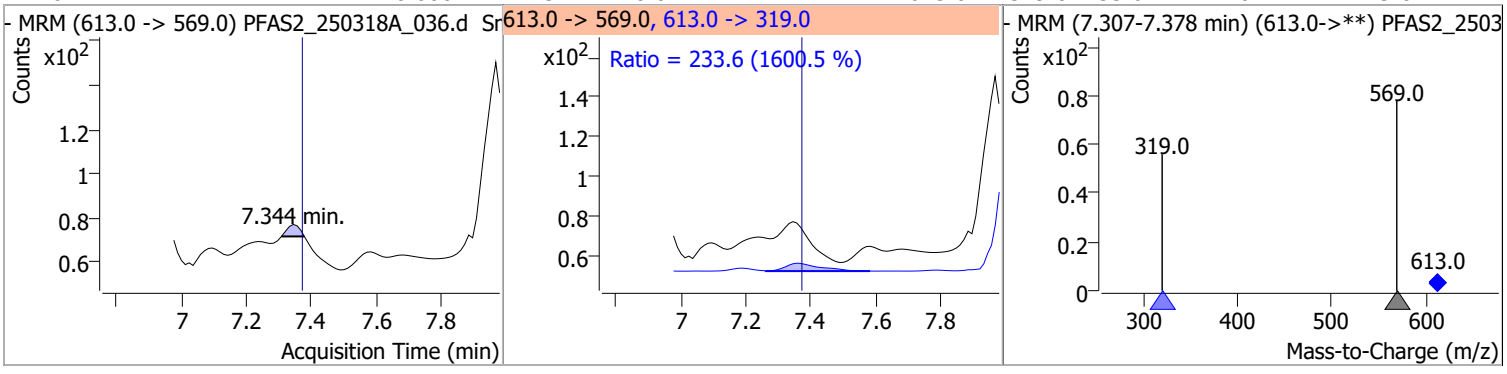
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2018	7.71	0.34	42377				



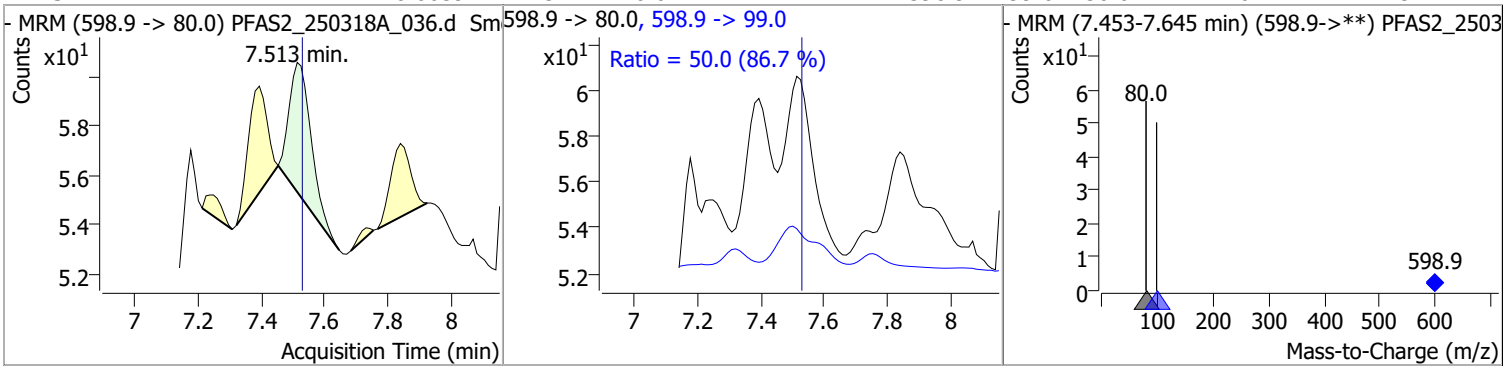
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2740	7.34	-0.02	40606				



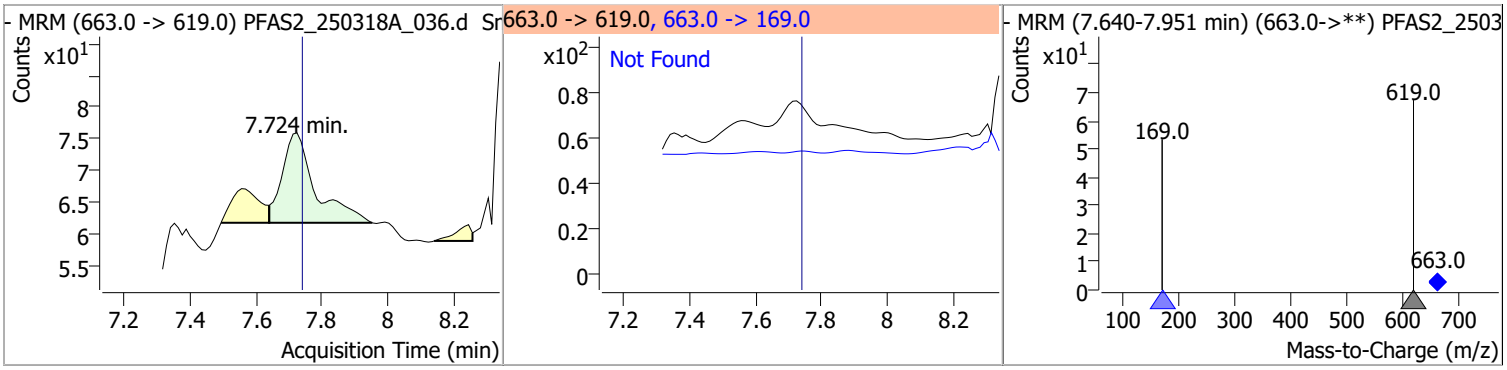
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0004	7.34	-0.02	12	613.0 -> 319.0	233.6	10.2	19.0



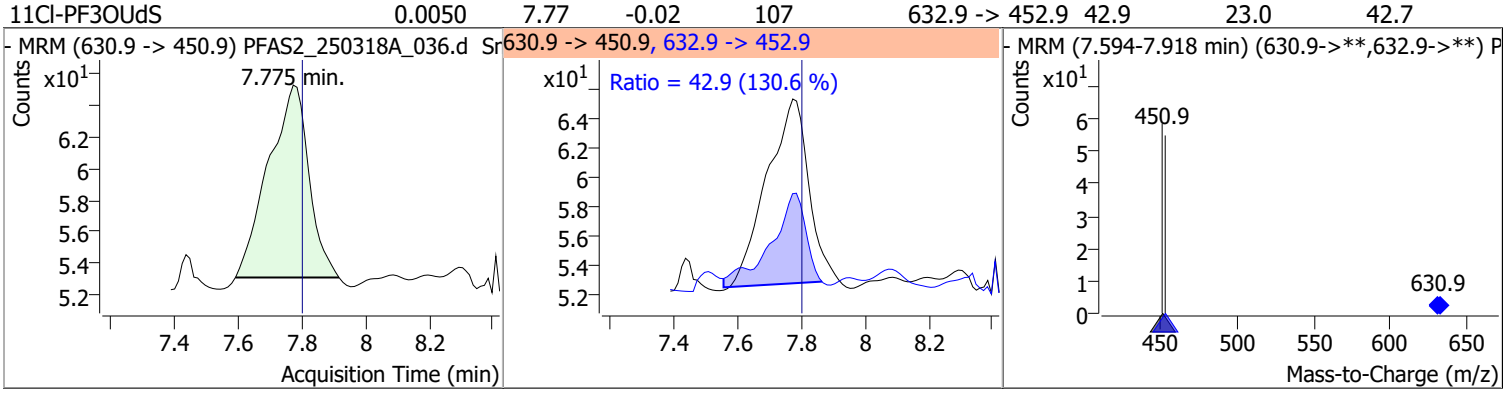
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0039	7.51	-0.01	24	598.9 -> 99.0	50.0	40.4	74.9



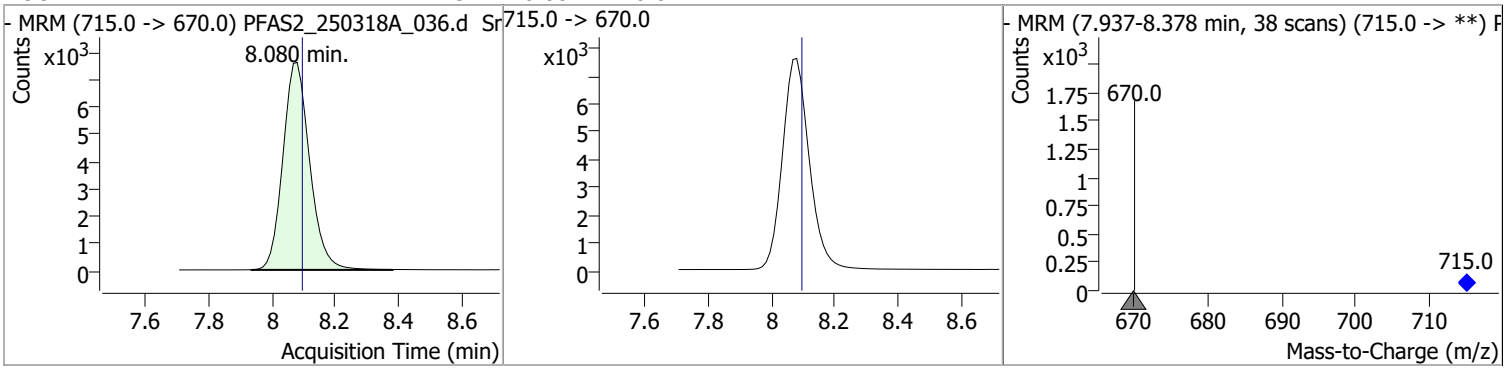
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0031	7.72	-0.01	98	663.0 -> 169.0		7.2	13.4



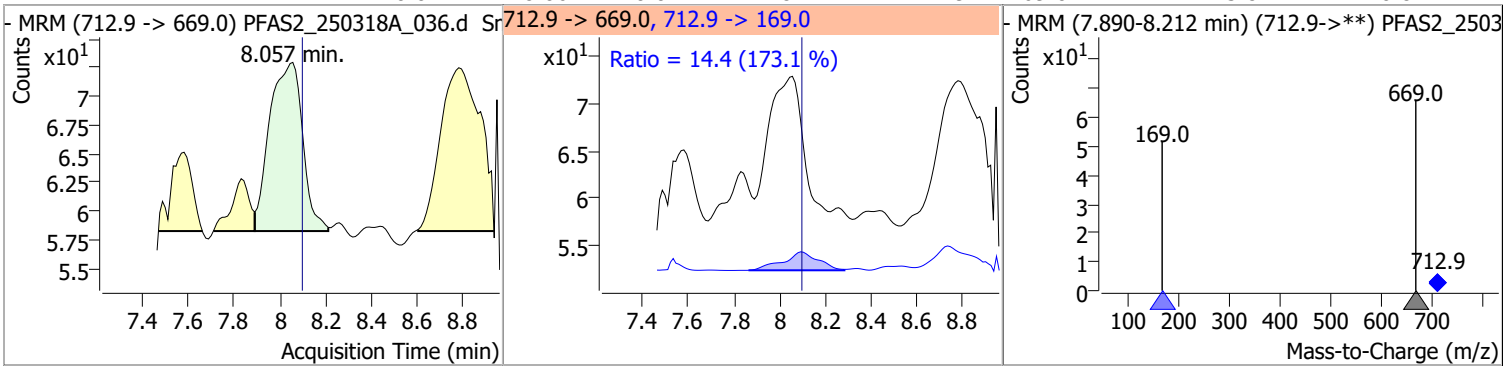
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0050	7.77	-0.02	107	632.9 -> 452.9	42.9	23.0	42.7



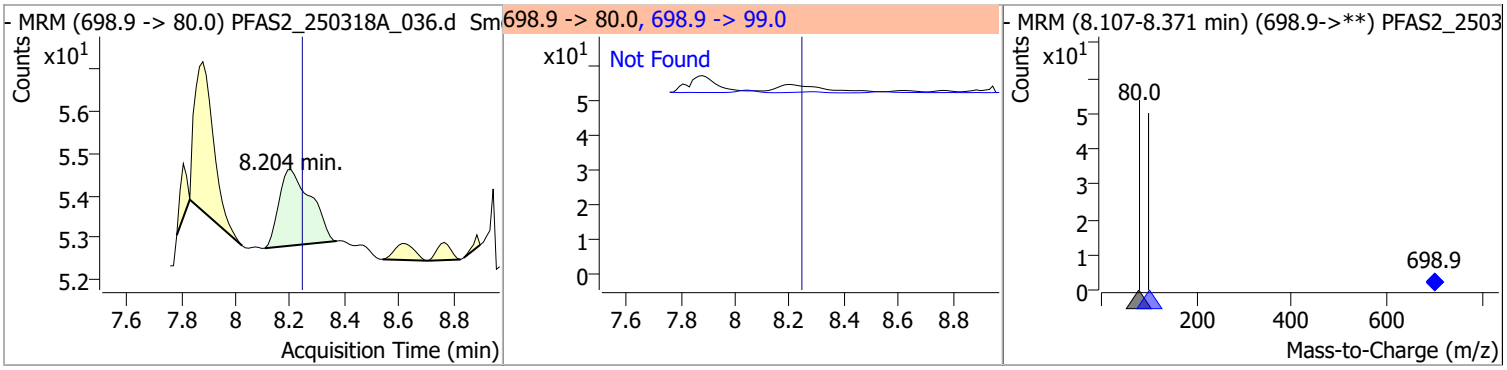
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1423	8.08	-0.01	44147				



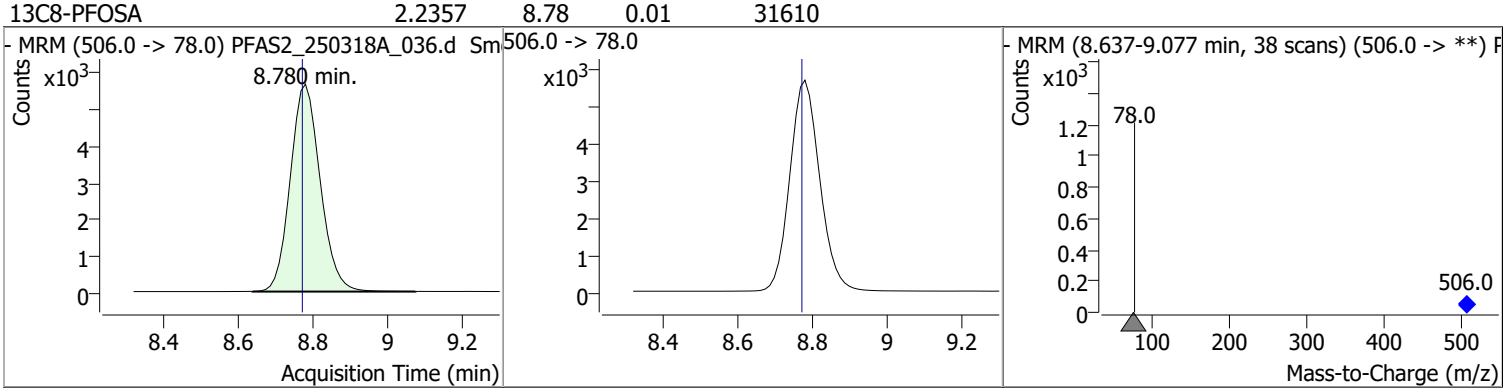
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0112	8.06	-0.04	148	712.9 -> 169.0	14.4	5.8	10.8



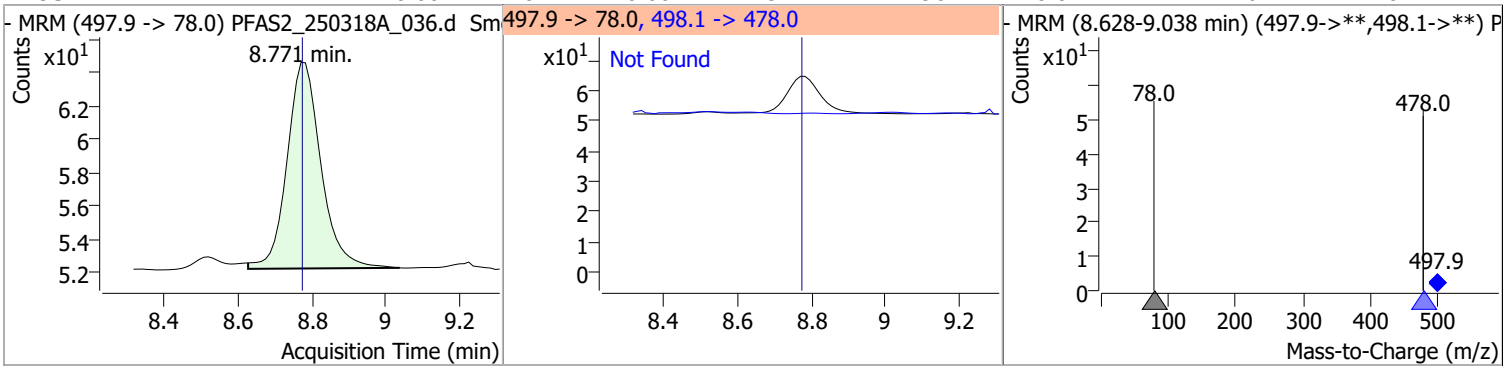
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0033	8.20	-0.04	14	698.9 -> 99.0		41.0	76.1



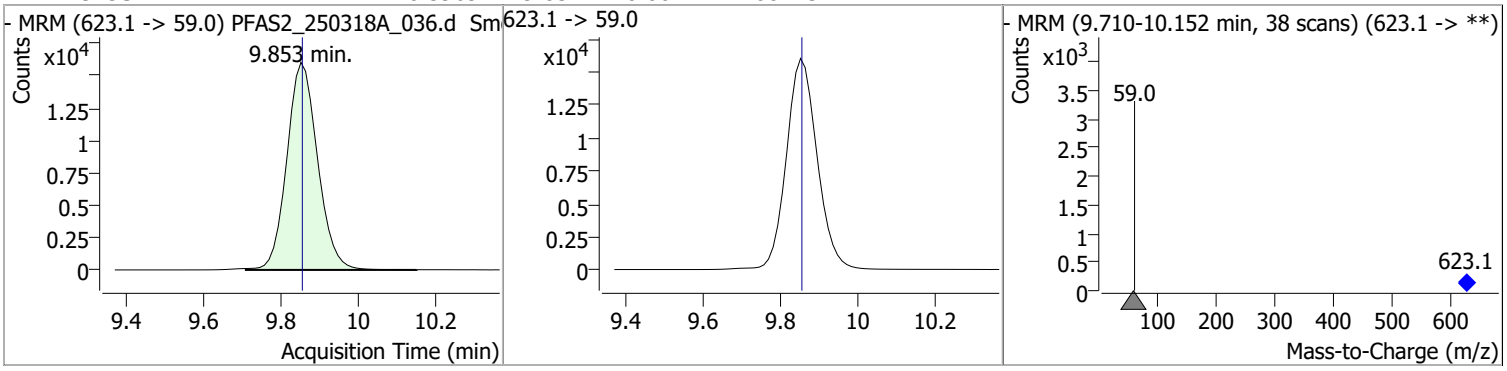
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2357	8.78	0.01	31610				



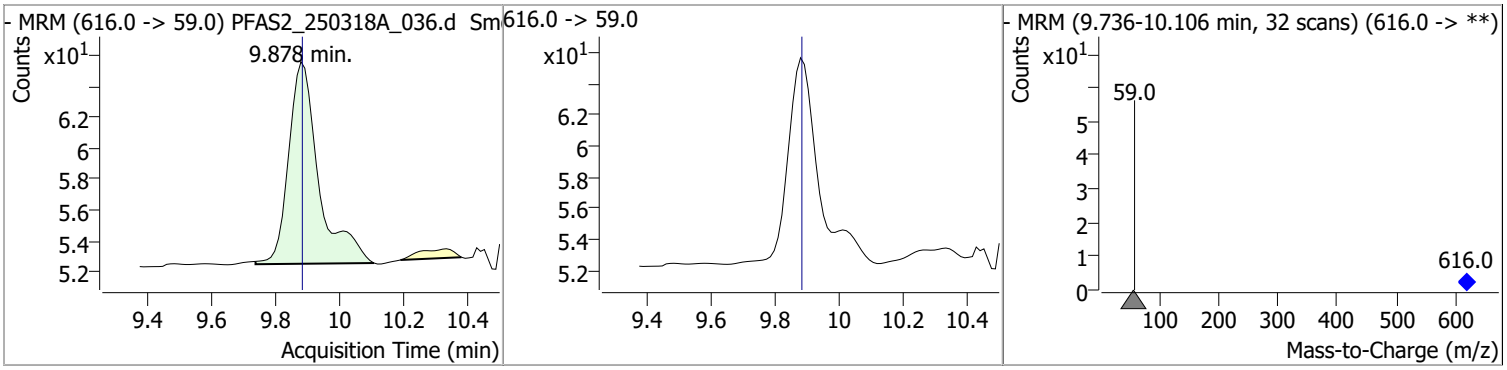
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0072	8.77	0.00	79	498.1 -> 478.0		2.6	4.8



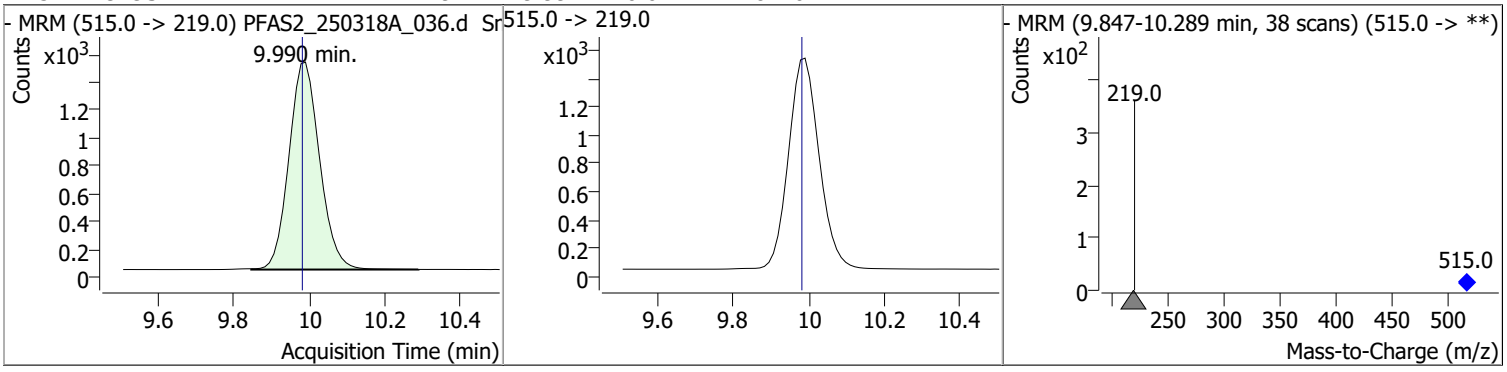
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	18.3969	9.85	0.00	88173				



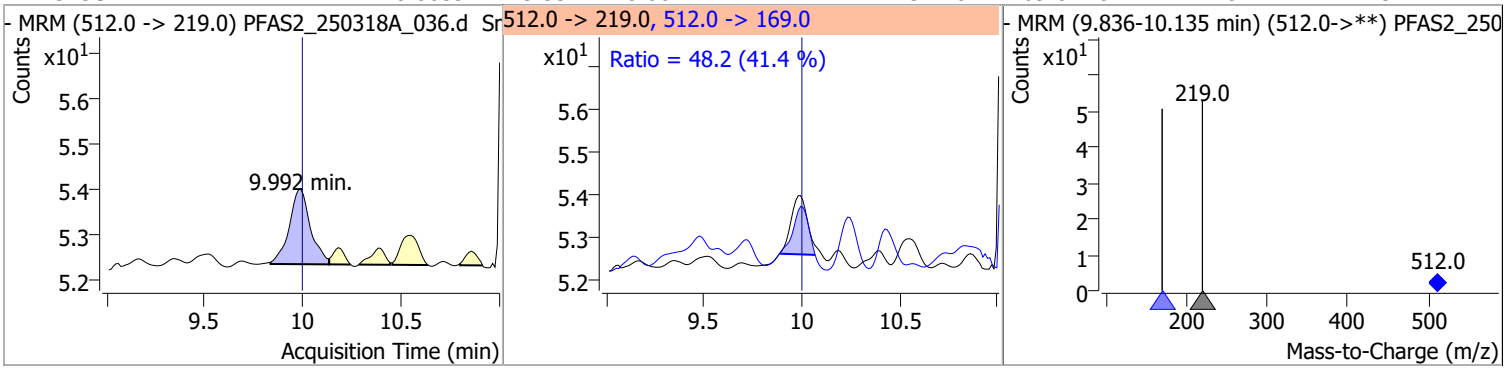
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	86				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1194	9.99	0.01	8410				

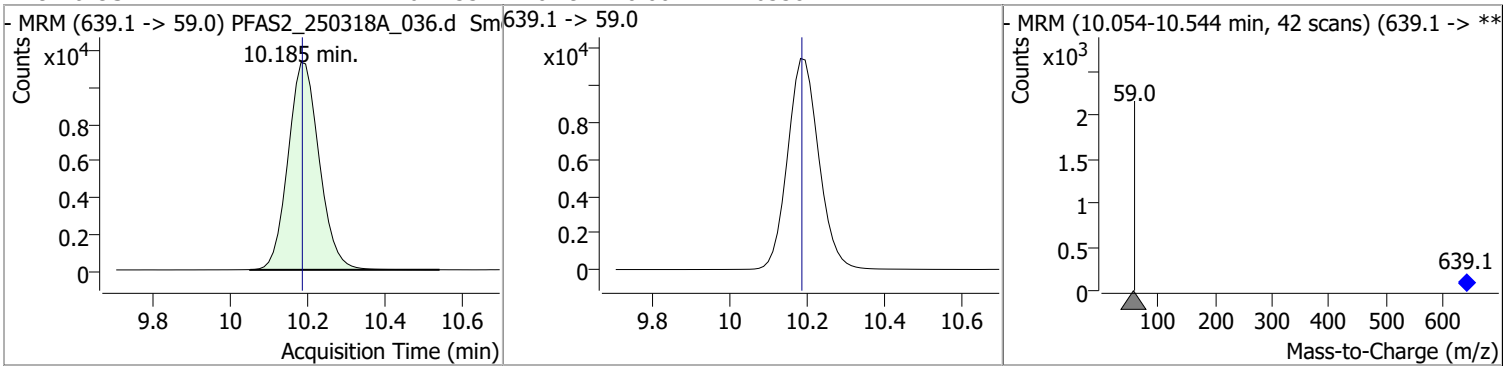


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0039	9.99	0.00	12	512.0 -> 169.0	48.2	81.4	151.2

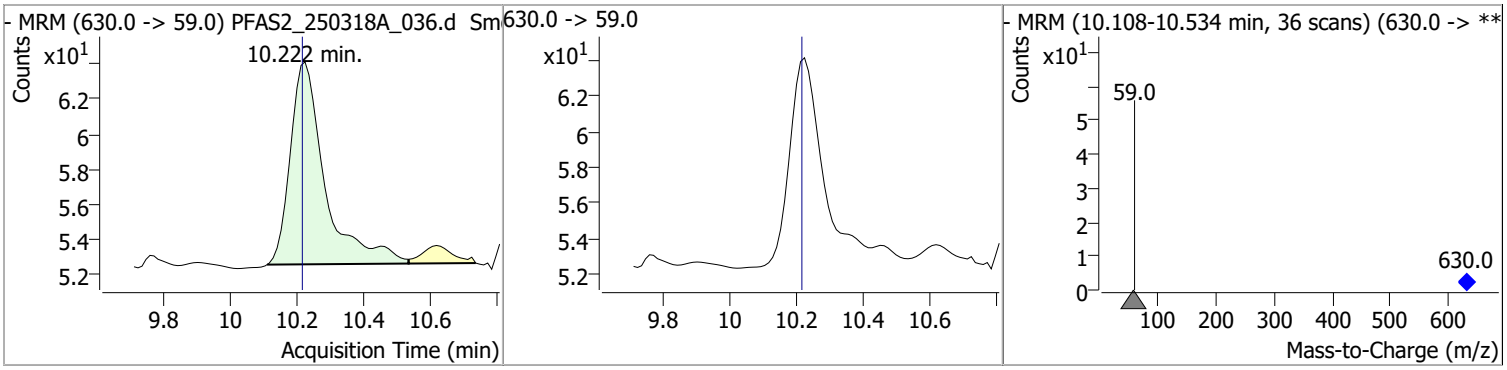


Quantitation Results Report (Not Reviewed)

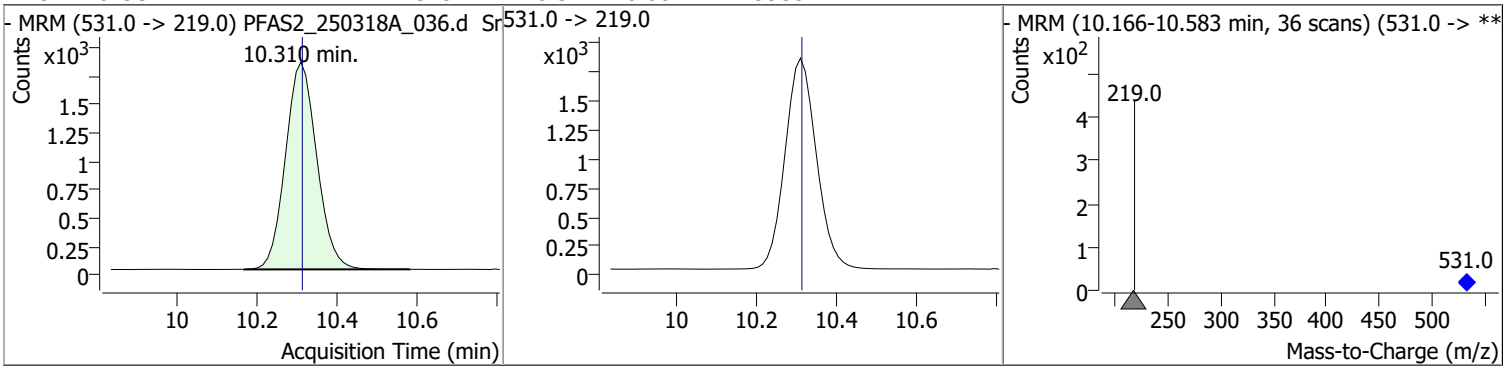
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.2153	10.19	0.00	63581				



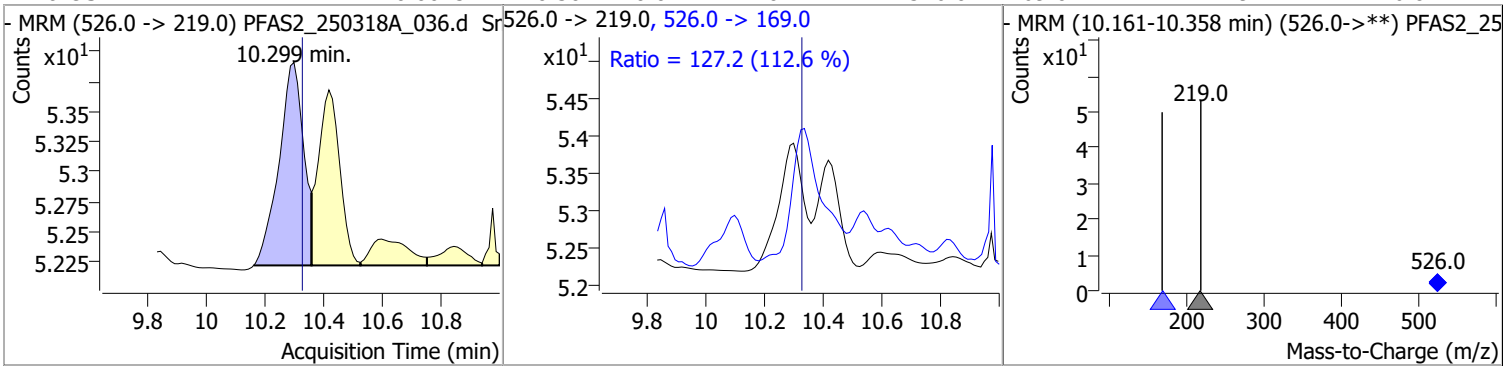
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0462	10.22	0.01	84				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3152	10.31	0.00	9933				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0025	10.30	-0.02	10	526.0 -> 169.0	127.2	79.1	146.8



6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
PFBA	0.8	29777.5	200	23747.62	2	27561	4	25600.25	8	28720	20	27452.05
PFPeA	0.4	43296.18	100	34439.91	1	38713.46	2	37855.26	4	38263.6	10	39125.97
PFHxA	0.2	67095.45	50	56541.66	0.5	61881.04	1	59707.88	2	61357.8	5	61448.2
PFHpA	0.2	74932.85	50	62913.44	0.5	72555.42	1	70080.86	2	74931.8	5	73285.92
PFOA	0.2	69688.4	50	63429.9	0.5	64551.14	1	64059.7	2	68627.35	5	68681.1
PFNA	0.2	63385.55	50	47879.12	0.5	52108.96	1	55871.05	2	54567.8	5	55747.4
PFDA	0.2	55255.8	50	44106.68	0.5	52493.8	1	48728.88	2	51141.65	5	53239.28
PFUnA	0.2	45468.64	50	31186.12	0.5	40595.28	1	37280.37	2	40965.14	5	41563.16
PFDoA	0.2	32637.12	50	24189.4	0.5	26402.4	1	28114.69	2	28885.48	5	32567.48
PFTrDA	0.2	35651.49	50	26751.46	0.5	32761.6	1	31318.25	2	34012.85	5	36755.22
PFTeDA	0.2	30082.8	50	26317.22	0.5	28370.64	1	28100.42	2	28134.18	5	31284.78
PFBS	0.177	28924.9	44.3	21088.26	0.442	26745.95	0.885	25560.06	1.77	26813.68	4.42	26776.72
PFPeS	0.188	21454.03	47	17588.98	0.47	19737	0.94	18540.02	1.88	20786.9	4.7	20621.36
PFHxS	0.183	14944.88	45.7	12389.61	0.457	15047.23	0.915	14415.06	1.83	14171.08	4.58	13768.16
PFHpS	0.191	12160.22	47.7	8880.318	0.477	10559.7	0.955	10062.67	1.91	10373.2	4.78	10790.9
PFOS	0.186	11429.06	46.5	8716.402	0.465	9654.243	0.93	9385.029	1.86	10126.43	4.65	10208.56
PFNS	0.192	10072.92	48	7607.979	0.48	8216.667	0.96	8436.459	1.92	9268.75	4.8	9385.416
PFDS	0.193	7212.435	48.3	5778.116	0.483	6641.822	0.965	6687.047	1.93	6402.591	4.83	7231.056
PFDoS	0.194	5041.237	48.5	2874.433	0.485	4791.752	0.97	4517.526	1.94	4395.361	4.85	4973.814
4:2FTS	0.75	19638.87	188	10669.86	1.87	18210.45	3.75	17031.61	7.5	16471.59	18.8	16365.04
6:2FTS	.760000	11710.04	190	7552.748	1.9	10465.45	3.8	10339.24	7.6	10385.67	19	10676.8
8:2FTS	0.768	6396.161	192	4075.269	1.92	5390.552	3.84	4768.287	7.68	4643.534	19.2	5553
PFOSA	0.2	13639.4	50	11589.55	0.5	12809.94	1	12242.64	2	13541.56	5	12826.69
NMeFOSA	0.2	4167.844	50	3677.456	0.5	3926.868	1	3181.972	2	4265.336	5	4045.234
NEtFOSA	0.2	4742.604	50	3580.428	0.5	4699.874	1	4273.512	2	4968.501	5	4314.188
NMeFOSAA	0.2	10372.67	50	9046.644	0.5	9605.58	1	9106.158	2	9418.21	5	9998.044
NEtFOSAA	0.2	8088.355	50	7040.974	0.5	8042.024	1	7383.298	2	7437.855	5	7909.94
NMeFOSE	2	4414.37	500	2947.582	5	3986.62	10	3998.233	20	4327.623	50	3976.384
NEtFOSE	2	2496.212	500	1871.482	5	2468.17	10	2244.848	20	2534.156	50	2267.106
HFPO-DA	0.4	16774.11	100	14501.43	1	16127.34	2	16244.56	4	16884.32	10	16637.99

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
ADONA	0.378	107100.6	94.5	91309.47	0.945	100853.3	1.89	95933.81	3.78	100552.7	9.45	102157.3
9CL-PF3ONS	0.374	54389.17	93.5	42003.84	0.935	53886.34	1.87	48746.13	3.74	53052.38	9.35	57924.13
11CL-PF3OUdS	0.378	25478.67	94.5	19253.95	0.945	23304.39	1.89	22920.99	3.78	24267.89	9.45	28344.35
3:3FTCA	0.8	747.4722	200	693.32	2	717.8395	4	749.5557	8	748.3143	20	713.6195
5:3FTCA	4	5085.365	1000	4587.773	10	4283.269	20	4708.795	40	4864.02	100	4860.265
7:3FTCA	4	3977.958	1000	3663.404	10	3586.245	20	3234.483	40	3327.718	100	3847.802
PFEESA	0.356	91652.3	89	63194.61	0.89	84088.57	1.78	73553.03	3.56	84316.24	8.9	86051
PFMPA	0.4	21208.7	100	17795.7	1	19743.57	2	19050.94	4	20405.68	10	19597.82
PFMBA	0.4	32196.9	100	26060.14	1	29151.43	2	28771.54	4	30046.07	10	28429.23
NFDHA	0.4	1382.343	100	1044.88	1	1108.585	2	1429.741	4	1467.594	10	1303.464
13C4-PFBA	10	1.125714	10	1.149267	10	1.144226	10	1.162508	10	1.125153	10	1.142918
13C5-PFPeA	5	0.6749038	5	0.6514382	5	0.6884759	5	0.6993757	5	0.6562608	5	0.7180606
13C5-PFHxA	2.5	1.111486	2.5	1.090752	2.5	1.111375	2.5	1.083362	2.5	1.065643	2.5	1.157437
13C4-PFHpA	2.5	1.257092	2.5	1.141714	2.5	1.235459	2.5	1.19902	2.5	1.215187	2.5	1.267452
13C8-PFOA	2.5	11.26508	2.5	11.13783	2.5	11.20218	2.5	11.65931	2.5	11.1187	2.5	11.28138
13C9-PFNA	1.25	0.9784566	1.25	0.9854495	1.25	1.018465	1.25	1.013313	1.25	0.9674658	1.25	0.9683747
13C6-PFDA	1.25	0.9855238	1.25	1.008642	1.25	1.036741	1.25	1.127679	1.25	0.9919369	1.25	1.058027
13C7-PFUnA	1.25	0.7785001	1.25	0.7352286	1.25	0.8012812	1.25	0.8704633	1.25	0.8603914	1.25	0.8628802
13C2-PFDoA	1.25	0.581161	1.25	0.5782421	1.25	0.542741	1.25	0.5970313	1.25	0.5675387	1.25	0.644419
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.6318609	1.25	0.6754193	1.25	0.6061506	1.25	0.691195	1.25	0.6360391	1.25	0.693523
13C2-PFTeDA	1.25	0.6825606	1.25	0.7725963	1.25	0.6695601	1.25	0.7853587	1.25	0.7045394	1.25	0.7426271
13C3-PFBS	2.5	2.10324	2.5	1.961869	2.5	2.170035	2.5	2.087163	2.5	2.112763	2.5	2.106323
13C3-PFHxS	2.5	1.199791	2.5	1.143713	2.5	1.276872	2.5	1.147339	2.5	1.18802	2.5	1.201092
13C8-PFOS	2.5	1.023708	2.5	0.9718566	2.5	1.060432	2.5	1.03944	2.5	1.043438	2.5	1.017682
13C2-4:2FTS	5	0.4821814	5	0.3543283	5	0.5058413	5	0.4881098	5	0.4757392	5	0.4375206
13C2-6:2FTS	5	0.2665523	5	0.2387996	5	0.277523	5	0.2668692	5	0.2618025	5	0.2406448
13C2-8:2FTS	5	0.1932507	5	0.2083263	5	0.2119782	5	0.204466	5	0.195946	5	0.1946512
13C8-PFOSA	2.5	1.408432	2.5	1.527756	2.5	1.461094	2.5	1.521873	2.5	1.508759	2.5	1.437118
D3-NMeFOSA	2.5	0.3896796	2.5	0.4566342	2.5	0.4431548	2.5	0.3519996	2.5	0.4446413	2.5	0.406411
D5-NEtFOSA	2.5	0.4532432	2.5	0.4117018	2.5	0.4755672	2.5	0.4471171	2.5	0.4898637	2.5	0.4179166

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.106917	5	1.159336	5	1.120005	5	1.088371	5	1.043987	5	1.08499
D5-NEtFOSAA	5	0.829292	5	0.8290324	5	0.8312644	5	0.8250585	5	0.7888239	5	0.8449228
D7-NMeFOSE	25	0.514442	25	0.463209	25	0.5322103	25	0.5773872	25	0.5629229	25	0.4939323
D9-NEtFOSE	25	0.2586362	25	0.2548194	25	0.2665153	25	0.2669488	25	0.277844	25	0.247243
13C3-HFPO-DA	10	0.2816148	10	0.2736465	10	0.301618	10	0.2906099	10	0.2767086	10	0.286151

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
PFBA	40	28314.15	80	24743.8	120	25829.48	160	25915.89				
PFPeA	20	39375.04	40	35217.25	60	35611.54	80	37136.3				
PFHxA	10	62022.76	20	56608.9	30	58428.7	40	61526.65				
PFHpA	10	73716.58	20	68396.55	30	69570.97	40	75553.95				
PFOA	10	68113.59	20	61440.25	30	65698.34	40	67516.45				
PFNA	10	57711.02	20	51423.55	30	54452.2	40	53419.55				
PFDA	10	51374.82	20	49167.14	30	49647.63	40	51147.88				
PFUnA	10	40909.72	20	39225.82	30	39560.46	40	37585.05				
PFDoA	10	33461.64	20	29182.17	30	30639.56	40	30955.32				
PFTrDA	10	37553.66	20	33830.89	30	33503.4	40	35763.43				
PFTeDA	10	30992.29	20	29005.46	30	30611.24	40	31067.6				
PFBS	8.849999	26906.13	17.7	23560.05	26.6	23659.63	35.4	23984.1				
PFPeS	9.4	20919.18	18.8	18815.39	28.2	19772.99	37.6	19878.39				
PFHxS	9.150001	14613.12	18.3	13403.67	27.5	13734.49	36.6	14048.52				
PFHpS	9.549999	11136.51	19.1	10263.2	28.7	10223.4	38.2	9694.664				
PFOS	9.3	9943.875	18.6	9477.048	27.9	9718.452	37.2	9829.548				
PFNS	9.6	9520.416	19.2	8712.135	28.8	8538.75	38.4	8298.047				
PFDS	9.650001	7426.114	19.3	6797.979	29	6835.241	38.6	6949.767				
PFDoS	9.700001	4845.773	19.4	4664.742	29.1	4669.828	38.8	4680.31				
4:2FTS	37.5	15723.61	75	12729.26	113	12239.44	150	11557.35				
6:2FTS	38	10342.03	76	9284.057	114	8681.575	152	8527.651				
8:2FTS	38.4	5486.031	76.8	4897.147	115	4724.766	154	4577.917				
PFOSA	10	13175.38	20	12370.19	30	13064.16	40	13597.01				
NMeFOSA	10	3979.865	20	3905.123	30	3724.293	40	4063.17				
NEtFOSA	10	4756.998	20	4684.285	30	4402.443	40	4679.05				
NMeFOSAA	10	10236.35	20	9878.771	30	10171.21	40	10082.55				
NEtFOSAA	10	8526.777	20	7878.12	30	8263.181	40	8292.268				
NMeFOSE	100	3984.537	200	3322.976	300	3379.56	400	3297.292				
NEtFOSE	100	2293.518	200	2029.89	300	2141.424	400	2031.913				
HFPO-DA	20	17145.18	40	15601.93	60	15978.22	80	15951.36				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
ADONA	18.9	103438	37.8	97538.34	56.7	98851.09	75.6	101481.8				
9CL-PF3ONS	18.7	56390.53	37.4	51761.02	56.1	48462.21	74.8	47706.78				
11CL-PF3OUdS	18.9	28570.88	37.8	27195.98	56.7	24897.53	75.6	27726.68				
3:3FTCA	40	732.6458	80	675.124	120	736.7122	160	743.8763				
5:3FTCA	200	4955.427	400	4510.83	600	4927.777	800	5179.974				
7:3FTCA	200	3722.328	400	3571.86	600	3854.87	800	3938.59				
PFEESA	17.8	86727.81	35.6	75845.34	53.4	76835.67	71.2	76496.18				
PFMPA	20	20450.43	40	17913.54	60	19036.47	80	19486.82				
PFMBA	20	29298.5	40	26360.8	60	28069.6	80	27849.95				
NFDHA	20	1223.854	40	1170.807	60	1369.994	80	1208.582				
13C4-PFBA	10	1.119378	10	1.122524	10	1.145178	10	1.125439				
13C5-PFPeA	5	0.671115	5	0.68403	5	0.6434444	5	0.655819				
13C5-PFHxA	2.5	1.088478	2.5	1.127906	2.5	1.066006	2.5	1.104965				
13C4-PFHpA	2.5	1.209618	2.5	1.307513	2.5	1.236806	2.5	1.23764				
13C8-PFOA	2.5	11.30373	2.5	10.90559	2.5	10.76926	2.5	11.15627				
13C9-PFNA	1.25	1.010857	1.25	1.01348	1.25	0.9512179	1.25	0.9979013				
13C6-PFDA	1.25	0.9994025	1.25	0.9745163	1.25	1.012766	1.25	0.9764978				
13C7-PFUnA	1.25	0.7850002	1.25	0.7629309	1.25	0.8033431	1.25	0.7563239				
13C2-PFDoA	1.25	0.6101419	1.25	0.6182893	1.25	0.6031438	1.25	0.6296986				
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.6392418	1.25	0.670056	1.25	0.6754943	1.25	0.6883056				
13C2-PFTeDA	1.25	0.6683413	1.25	0.7218226	1.25	0.7478445	1.25	0.7469123				
13C3-PFBS	2.5	2.052107	2.5	2.021398	2.5	1.9579	2.5	1.89941				
13C3-PFHxS	2.5	1.17103	2.5	1.171271	2.5	1.207986	2.5	1.084573				
13C8-PFOS	2.5	0.9931759	2.5	0.9952067	2.5	1.013651	2.5	0.987779				
13C2-4:2FTS	5	0.4012656	5	0.3754766	5	0.3731871	5	0.3524941				
13C2-6:2FTS	5	0.2381451	5	0.243204	5	0.2376737	5	0.2182569				
13C2-8:2FTS	5	0.1989248	5	0.1974004	5	0.2041418	5	0.1924382				
13C8-PFOSA	2.5	1.416984	2.5	1.443815	2.5	1.535033	2.5	1.607584				
D3-NMeFOSA	2.5	0.3984051	2.5	0.4174273	2.5	0.4122524	2.5	0.4520717				
D5-NEtFOSA	2.5	0.4386606	2.5	0.4613722	2.5	0.4402236	2.5	0.4762817				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0550

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.107706	5	1.132269	5	1.156092	5	1.217651				
D5-NEtFOSAA	5	0.8522075	5	0.8341936	5	0.8829222	5	0.9510934				
D7-NMeFOSE	25	0.4927904	25	0.4730687	25	0.4623676	25	0.4678908				
D9-NEtFOSE	25	0.2428614	25	0.2418523	25	0.2468054	25	0.2470121				
13C3-HFPO-DA	10	0.2872069	10	0.2942061	10	0.2793269	10	0.2768549				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
PFBA	AVG	26766.18	7.104602					
PFPeA	AVG	37903.45	6.731158					
PFHxA	AVG	60661.9	5.092385					
PFHpA	AVG	71593.83	5.473868					
PFOA	AVG	66180.62	4.13765					
PFNA	AVG	54656.62	7.534963					
PFDA	AVG	50630.36	5.963171					
PFUnA	AVG	39433.98	9.37332					
PFDoA	AVG	29703.53	9.920189					
PFTrDA	AVG	33790.23	9.209597					
PFTeDA	AVG	29396.67	5.648047					
PFBS	AVG	25401.95	9.037841					
PFPeS	AVG	19811.42	6.087903					
PFHxS	AVG	14053.58	5.619868					
PFHpS	AVG	10414.48	8.339258					
PFOS	AVG	9848.864	7.10235					
PFNS	AVG	8805.753	8.398944					
PFDS	AVG	6796.217	6.955894					
PFDoS	AVG	4545.478	13.60842					
4:2FTS	AVG	15063.71	20.2621					
6:2FTS	AVG	9796.525	12.71913					
8:2FTS	AVG	5051.267	13.06179					
PFOSA	AVG	12885.65	5.166175					
NMeFOSA	AVG	3893.716	7.918626					
NEtFOSA	AVG	4510.188	8.71433					
NMeFOSAA	AVG	9791.619	4.83021					
NEtFOSAA	AVG	7886.28	5.904393					
NMeFOSE	AVG	3763.518	13.03345					
NEtFOSE	AVG	2237.872	9.889047					
HFPO-DA	AVG	16184.64	4.715167					
ADONA	AVG	99921.64	4.343046					

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
9CL-PF3ONS	AVG	51432.26	9.234815					
11CL-PF3OUdS	AVG	25196.13	11.59364					
3:3FTCA	AVG	725.848	3.517856					
5:3FTCA	AVG	4796.349	5.721988					
7:3FTCA	AVG	3672.526	6.78585					
PFEESA	AVG	79876.08	10.36065					
PFMPA	AVG	19468.96	5.558829					
PFMBA	AVG	28623.42	6.182315					
NFDHA	AVG	1270.984	11.15054					
13C4-PFBA	AVG	1.13623	1.269001					
13C5-PFPeA	AVG	0.6742923	3.492589					
13C5-PFHxA	AVG	1.100741	2.567226					
13C4-PFHpA	AVG	1.23075	3.599297					
13C8-PFOA	AVG	11.17993	2.135622					
13C9-PFNA	AVG	0.9904981	2.38759					
13C6-PFDA	AVG	1.017173	4.609471					
13C7-PFUnA	AVG	0.8016343	5.984907					
13C2-PFDoA	AVG	0.5972407	5.113957					
AVE 13C2-PFTeDA & 13C2-PFDoA	AVG	0.6607286	4.559523					
13C2-PFTeDA	AVG	0.7242163	5.772365					
13C3-PFBS	AVG	2.047221	4.163899					
13C3-PFHxS	AVG	1.179169	4.259734					
13C8-PFOS	AVG	1.014637	2.753306					
13C2-4:2FTS	AVG	0.4246144	14.14567					
13C2-6:2FTS	AVG	0.2489471	7.338104					
13C2-8:2FTS	AVG	0.2001524	3.353207					
13C8-PFOSA	AVG	1.486845	4.271288					
D3-NMeFOSA	AVG	0.4172677	7.867906					
D5-NEtFOSA	AVG	0.4511948	5.620363					
D3-NMeFOSAA	AVG	1.121732	4.288801					
D5-NEtFOSAA	AVG	0.8468811	5.142529					

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
D7-NMeFOSE	AVG	0.5040221	8.272759					
D9-NEtFOSE	AVG	0.2550538	4.75137					
13C3-HFPO-DA	AVG	0.2847944	3.109173					

Cal Types

AVG = Average Response Factor
LRI = Linear Regression through the intercept
QRI = Quadratic through the intercept
LR0 = Linear Regression forced through zero.
LRI1 = Linear Regression forced through the intercept with 1/x weighting (first order)
LRI2 = Linear Regression forced through the intercept with 1/x squared weighting (second order)
LRI01 = Linear Regression forced through zero with 1/x weighting (first order)
LRI02 = Linear Regression forced through zero with 1/x-squared weighting (second order)
QR0 = Quadratic forced through zero
QRI1 = Quadratic through the intercept weighted by 1/X
QRI2 = Quadratic through the intercept weighted by 1/X^2
QRI01 = Quadratic forced through zero weighted by 1/X
QRI02 = Quadratic forced through zero weighted by 1/X^2

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_003.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:19:04 PM
Sample Name	SEQ-CAL1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

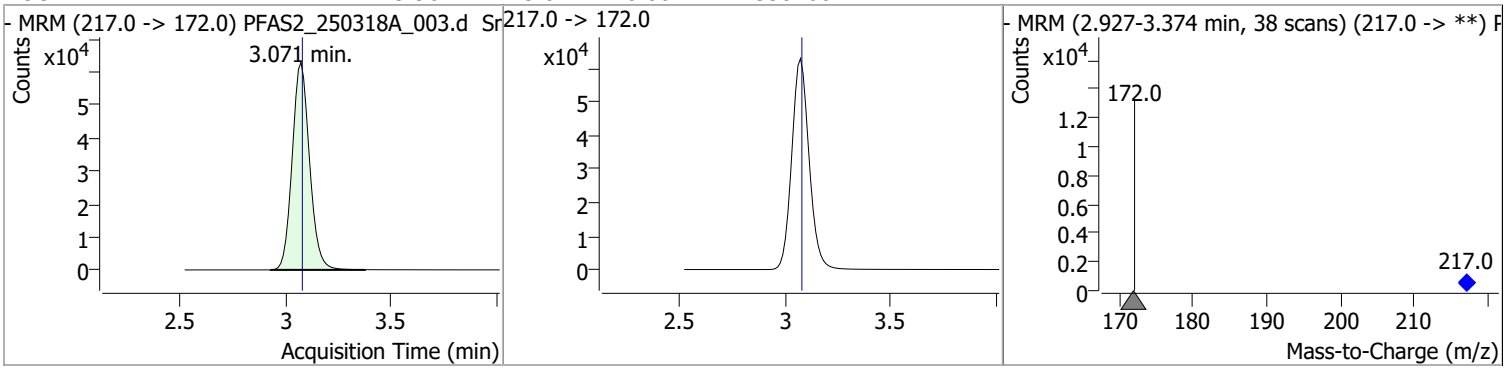
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	159348	5.0000	µg/L		16.446
13C2-PFHxA	4.878	315.0 -> 270.0	170897	2.5000	µg/L		11.388
18O2-PFHxS	5.943	403.0 -> 84.0	33527	2.5000	µg/L		13.153
13C4-PFOA	5.823	417.0 -> 172.0	17228	2.5000	µg/L		11.521
13C5-PFNA	6.214	468.0 -> 423.0	82300	1.2500	µg/L		15.635
13C2-PFDA	6.603	515.0 -> 470.0	76601	1.2500	µg/L		14.541
13C4-PFOS	6.771	503.0 -> 80.0	28163	2.5000	µg/L		13.061
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	358760	10.0000	µg/L		15.420
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	230678	5.0000	µg/L		11.483
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.09%			
13C5-PFPeA	4.222	268.0 -> 223.0	230678	5.0000	µg/L		11.483
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.09%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	32332	5.0000	µg/L		27.975
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 113.56%			
13C5-PFHxA	4.889	318.0 -> 273.0	189950	2.5000	µg/L		12.500
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.98%			
13C5-PFHxA	4.889	318.0 -> 273.0	189950	2.5000	µg/L		12.500
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.98%			
13C3-PFBS	4.917	302.0 -> 80.0	70516	2.5000	µg/L		16.126
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.74%			
13C3-PFBS	4.917	302.0 -> 80.0	70516	2.5000	µg/L		16.126
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.74%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	192509	10.0000	µg/L		10.149
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.88%			
13C4-PFHpA	5.385	367.0 -> 322.0	214833	2.5000	µg/L		13.736
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.14%			
13C3-PFHxS	5.944	402.0 -> 80.0	40226	2.5000	µg/L		15.100
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	17874	5.0000	µg/L	#	21.024
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.07%			
13C8-PFOA	5.823	421.0 -> 376.0	194071	2.5000	µg/L		12.348
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.76%			
13C3-PFHxS	5.944	402.0 -> 80.0	40226	2.5000	µg/L		15.100
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.75%			
13C9-PFNA	6.213	472.0 -> 427.0	80527	1.2500	µg/L		14.281
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.78%			
13C8-PFOS	6.771	507.0 -> 80.0	28830	2.5000	µg/L		14.028
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.89%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12958	5.0000	µg/L	#	9.393
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.55%			
13C6-PFDA	6.603	519.0 -> 474.0	75492	1.2500	µg/L		11.083
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.89%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	62347	5.0000	µg/L		11.696

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.68%			
13C8-PFOS	6.771	507.0 -> 80.0	28830	2.5000	µg/L		14.028
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.89%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	46710	5.0000	µg/L		10.768
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.92%			
13C7-PFUnDA	6.990	570.0 -> 525.0	59634	1.2500	µg/L		11.251
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.11%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	48401	1.2500	µg/L		9.715
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.63%			
13C2-PFDoDA	7.355	615.0 -> 570.0	44517	1.2500	µg/L		11.446
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.31%			
13C2-PFTDA	8.092	715.0 -> 670.0	52285	1.2500	µg/L		8.284
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 94.25%			
13C8-PFOSA	8.768	506.0 -> 78.0	39665	2.5000	µg/L		7.316
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.73%			
2H7-MeFOSE	9.853	623.1 -> 59.0	144881	25.0000	µg/L		15.310
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 102.07%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10974	2.5000	µg/L		5.836
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.39%			
2H9-EtFOSE	10.185	639.1 -> 59.0	72839	25.0000	µg/L		14.690
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.40%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12765	2.5000	µg/L		13.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.45%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	23822	0.8374	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 104.67%			
PFMPA	3.614	229.0 -> 85.0	8483	0.4357	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 108.93%			
3-3 FTCA	3.778	241.0 -> 177.0	598	0.7255	µg/L		89
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 90.69%			
PFPeA	4.223	263.0 -> 219.0	17318	0.4298	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 107.44%			
PFMBA	4.453	279.0 -> 85.0	12879	0.4307	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 107.69%			
4-2 FTSA	4.698	327.0 -> 307.0	14729	0.7496	µg/L		97
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 99.94%			
NFDHA	4.811	295.0 -> 201.0	553	0.3958	µg/L	#	73
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 98.95%			
PFHxA	4.880	313.0 -> 269.0	13419	0.1974	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.71%			
PFBS	4.918	298.9 -> 80.0	5120	0.1750	µg/L		89
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 98.63%			
HFPO-DA	5.075	285.0 -> 169.0	6710	0.3928	µg/L		93
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 98.21%			
PFEESA	5.189	314.9 -> 135.0	32628	0.3870	µg/L		98
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 108.71%			
PFHpA	5.386	363.0 -> 319.0	14987	0.2015	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.75%			
5-3 FTCA	5.447	341.0 -> 237.0	20341	4.0445	µg/L		97
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 101.11%			
PFPeS	5.482	348.9 -> 80.0	4033	0.1857	µg/L		91
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 98.67%			
DONA	5.539	377.0 -> 251.0	40484	0.4229	µg/L		98
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 111.88%			

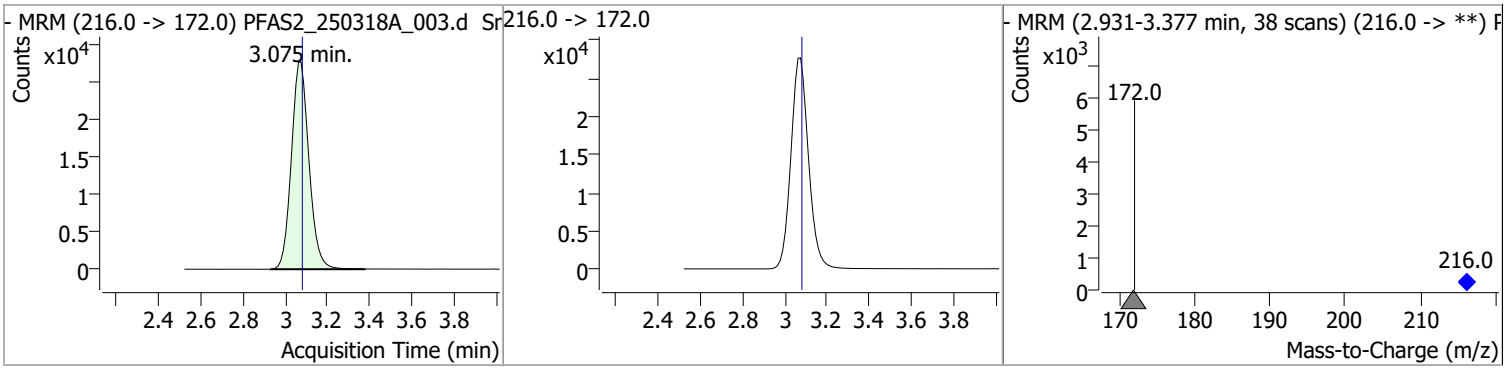
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	8900	0.8129	µg/L	#	85
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 106.96%			
PFOA	5.824	413.0 -> 369.0	13938	0.2174	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.69%			
PFHxS	5.945	398.9 -> 80.0	2735	0.1748	µg/L		84
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 95.62%			
PFNA	6.214	463.0 -> 419.0	12677	0.2084	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 104.20%			
PFHpS	6.370	448.9 -> 80.0	2323	0.1937	µg/L		95
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 101.62%			
8-2 FTSA	6.424	527.0 -> 507.0	4912	0.9032	µg/L	#	75
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 117.60%			
7-3 FTCA	6.585	441.0 -> 317.0	15912	4.2378	µg/L		96
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 105.94%			
PFDA	6.604	513.0 -> 469.0	11051	0.1970	µg/L	#	90
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.48%			
N-MeFOSAA	6.730	570.0 -> 419.0	2075	0.1961	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.04%			
PFOS	6.772	498.9 -> 80.0	2126	0.2141	µg/L		95
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 115.38%			
N-EtFOSAA	6.953	584.0 -> 419.0	1618	0.1941	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.05%			
PFUnDA	6.991	563.0 -> 519.0	9094	0.2180	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.98%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	20342	0.3980	µg/L		89
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 106.41%			
PFNS	7.159	548.9 -> 80.0	1934	0.1966	µg/L		96
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 102.21%			
PFDoDA	7.356	613.0 -> 569.0	6527	0.2000	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.01%			
PFDS	7.525	598.9 -> 80.0	1392	0.1894	µg/L		80
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 98.15%			
PFTrDA	7.724	663.0 -> 619.0	7130	0.1955	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.76%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	9631	0.3777	µg/L		94
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 99.92%			
PFTDA	8.081	712.9 -> 669.0	6017	0.1937	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 96.83%			
PFDoS	8.228	698.9 -> 80.0	978	0.1903	µg/L		94
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 98.11%			
PFOSA	8.771	497.9 -> 78.0	2728	0.1979	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.94%			
MeFOSE	9.878	616.0 -> 59.0	8829	1.9778	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 98.89%			
N-MeFOSA	9.992	512.0 -> 219.0	834	0.2019	µg/L		92
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.97%			
EtFOSE	10.210	630.0 -> 59.0	4992	1.9180	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 95.90%			
N-EtFOSA	10.323	526.0 -> 219.0	949	0.1927	µg/L		93
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 96.33%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

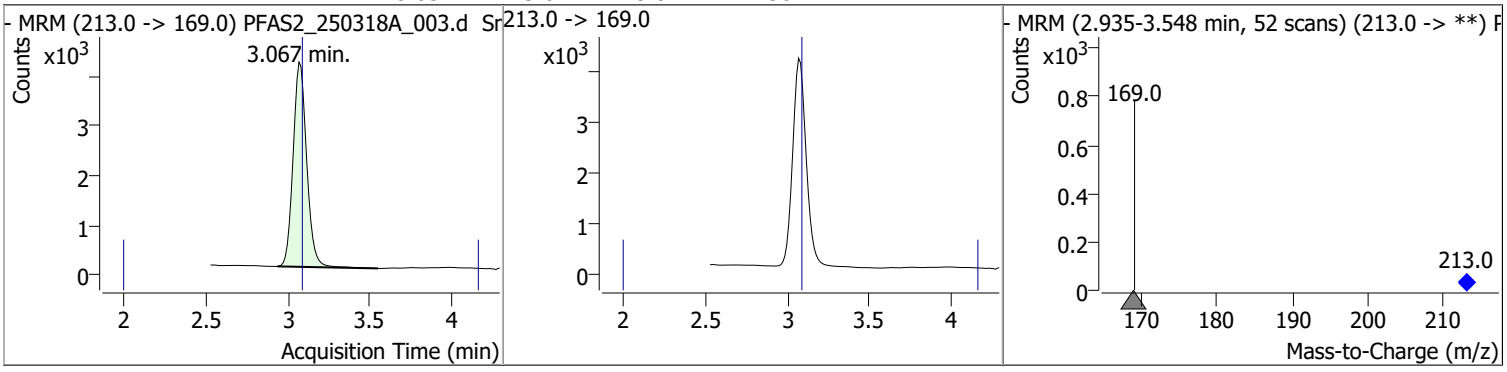
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9074	3.07	0.00	358760				



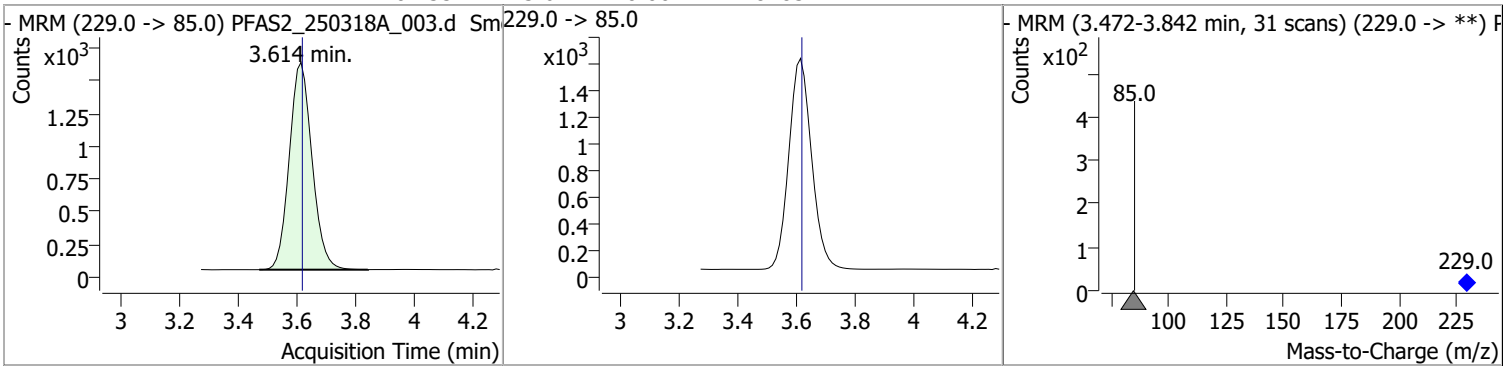
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	159348				



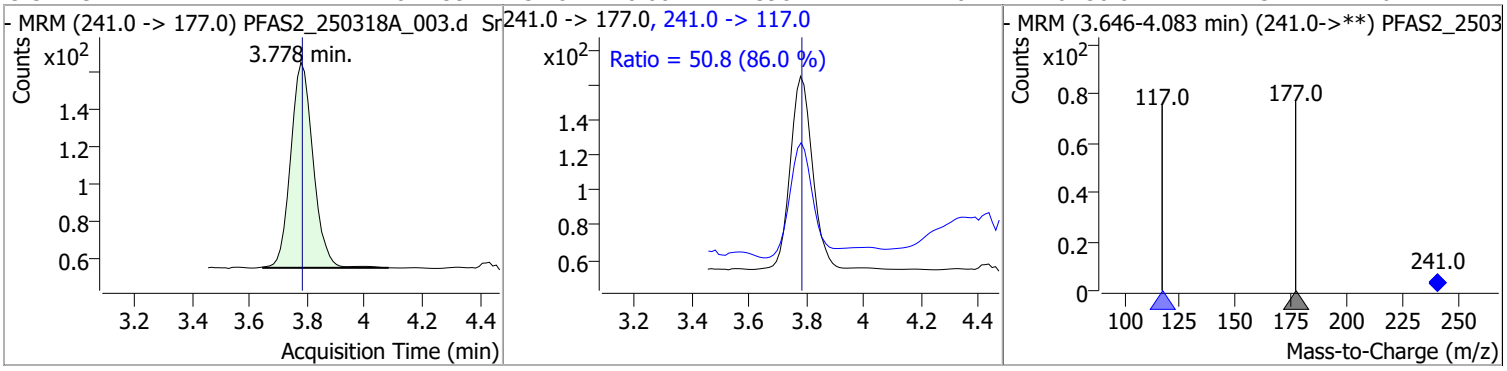
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8374	3.07	-0.01	23822				



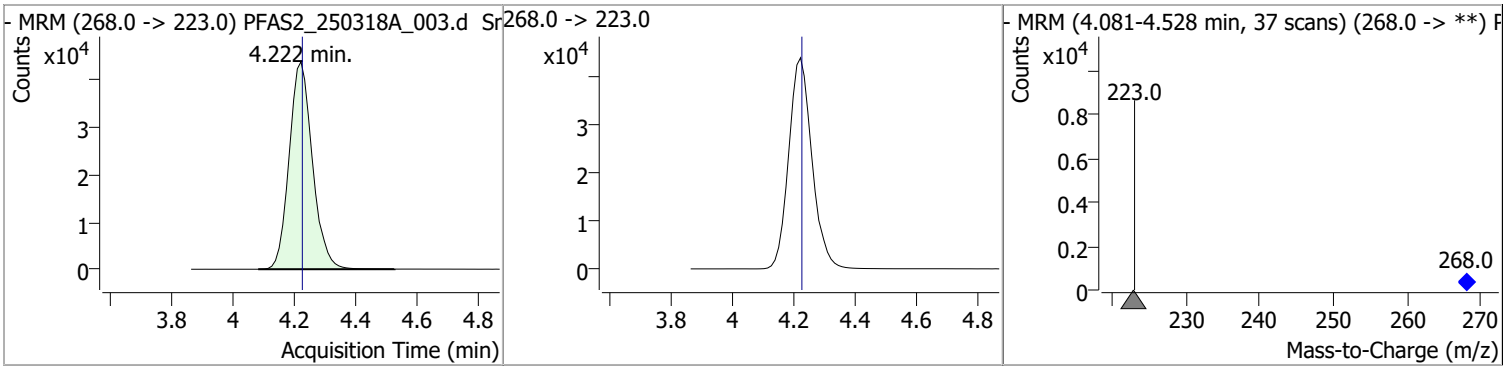
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4357	3.61	0.00	8483				



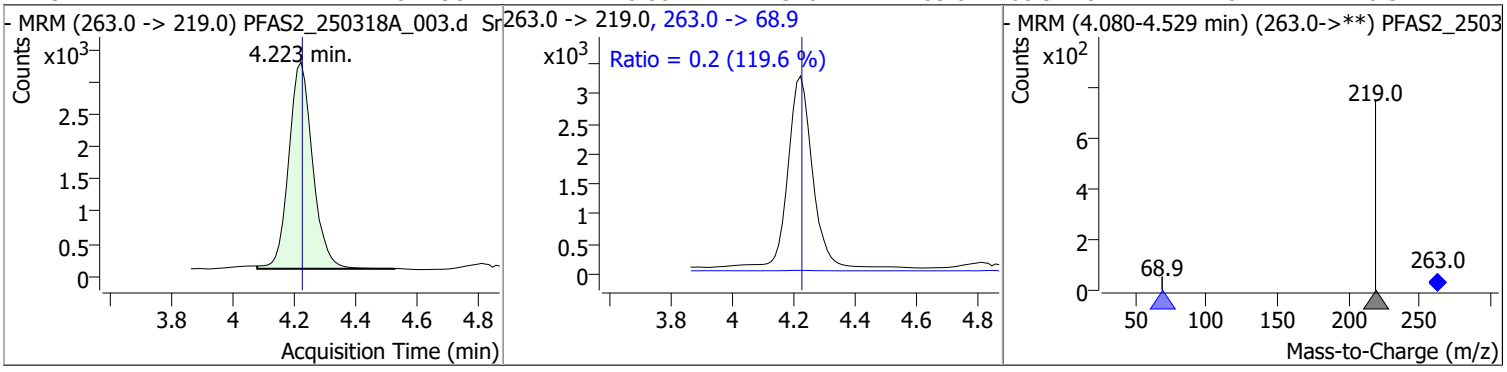
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.7255	3.78	0.00	598	241.0 -> 117.0	50.8	41.3	76.7



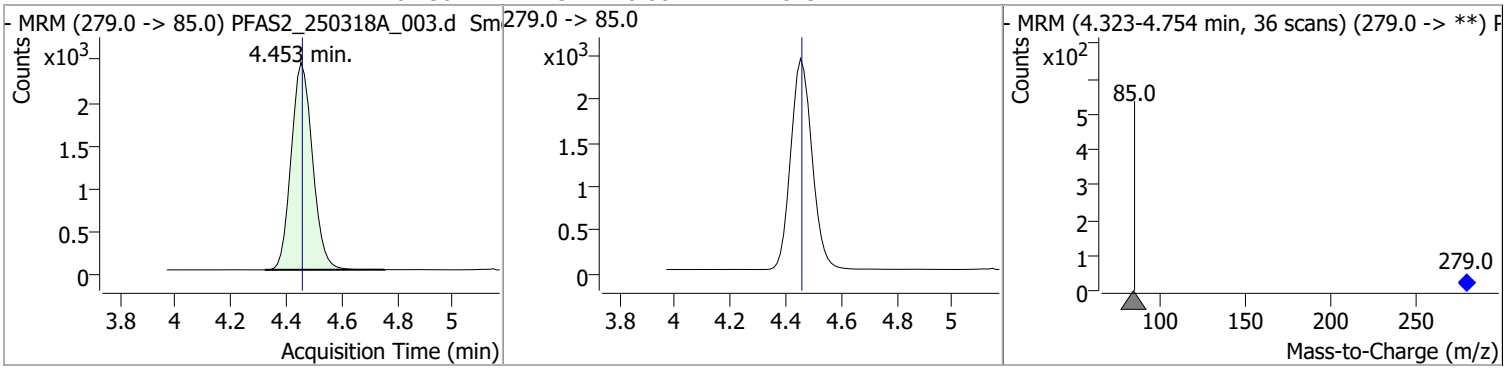
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0045	4.22	0.00	230678				



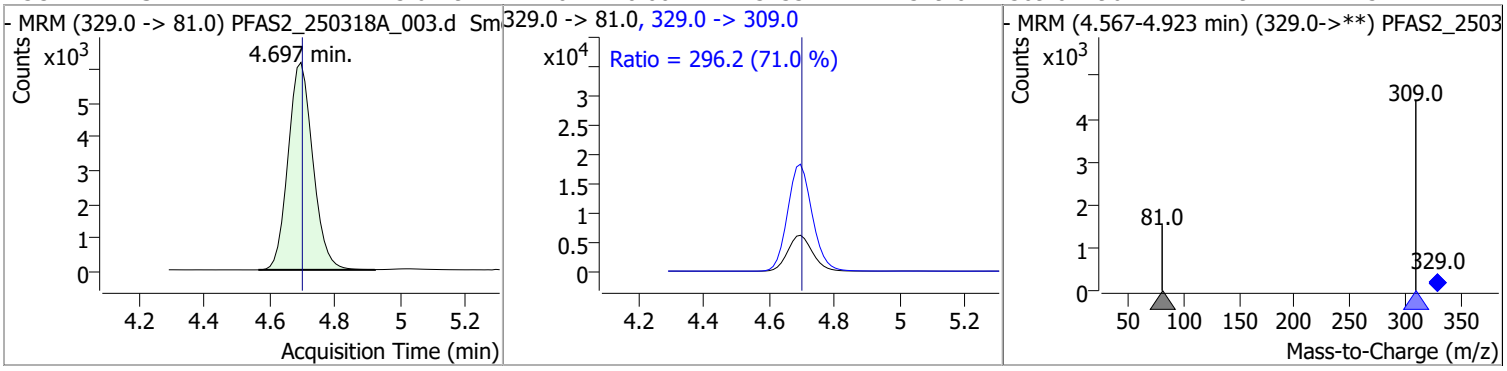
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4298	4.22	0.00	17318	263.0 -> 68.9	0.2	0.1	0.3



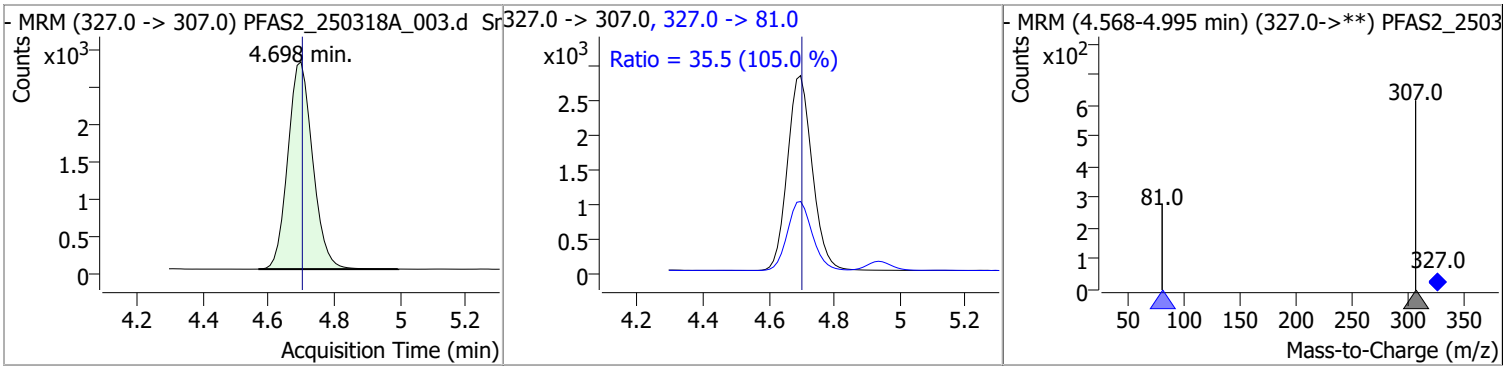
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4307	4.45	0.00	12879				



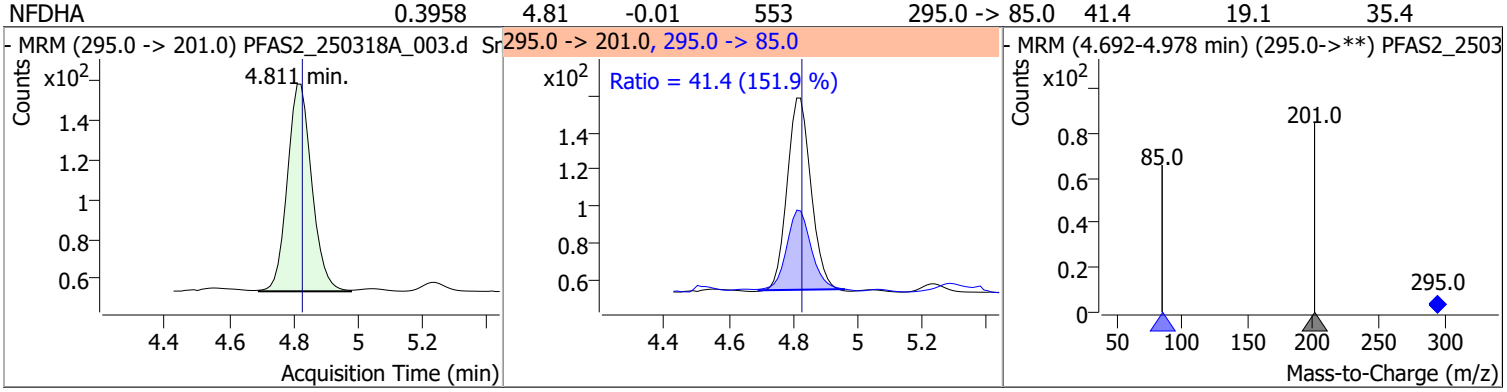
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6779	4.70	0.00	32332	329.0 -> 309.0	296.2	292.1	542.4



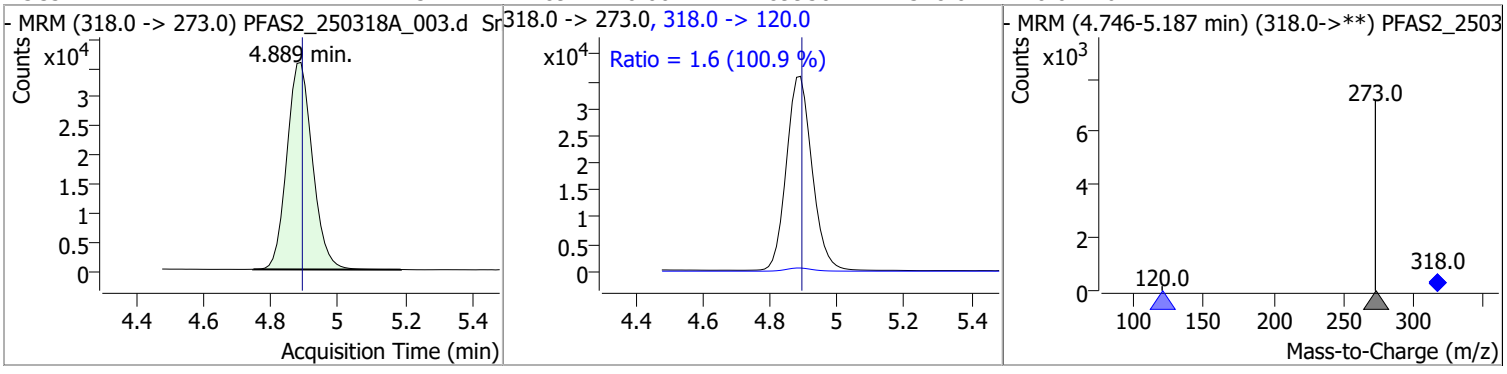
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7496	4.70	0.00	14729	327.0 -> 81.0	35.5	23.6	43.9



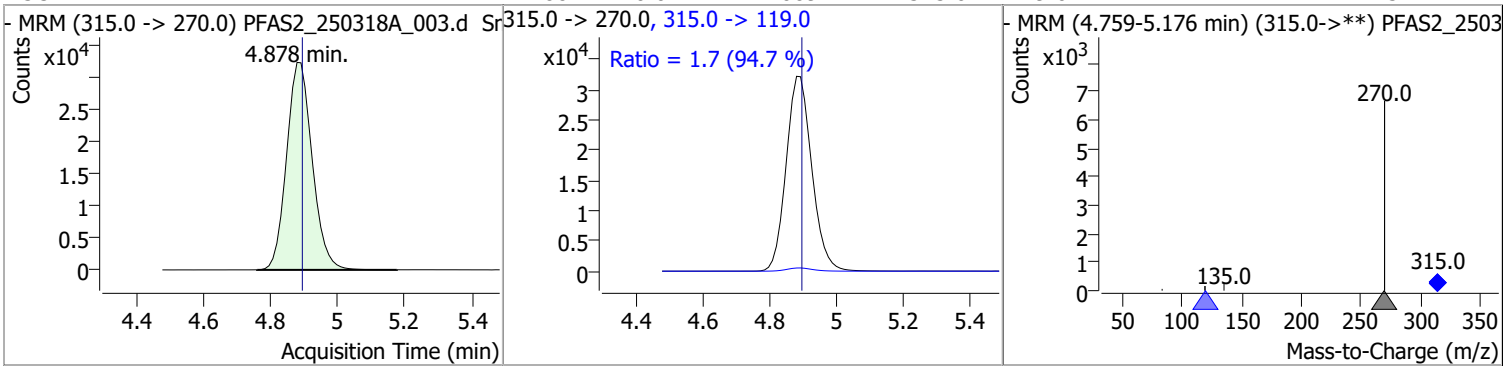
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.3958	4.81	-0.01	553	295.0 -> 85.0	41.4	19.1	35.4



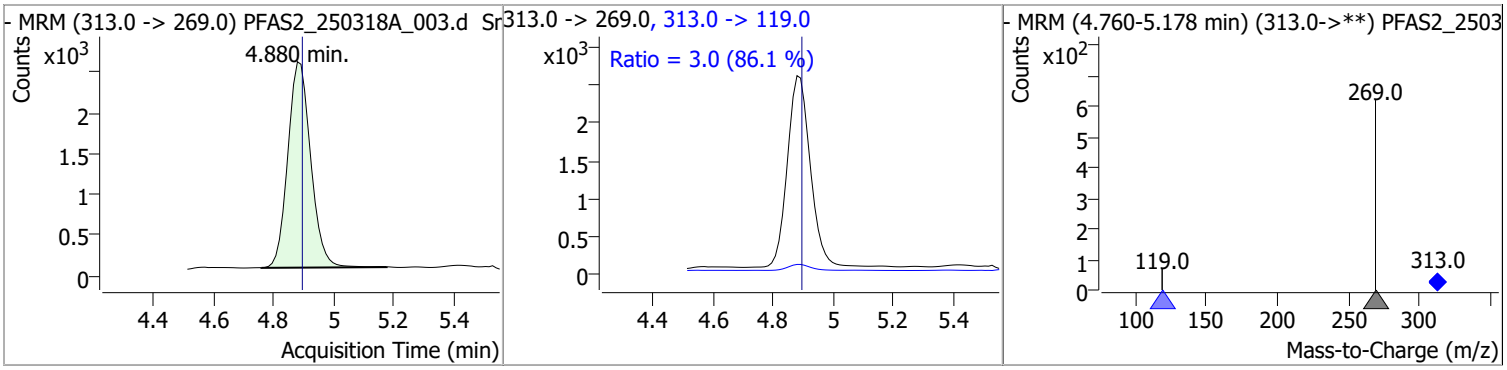
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5244	4.89	0.00	189950	318.0 -> 120.0	1.6	1.1	2.1



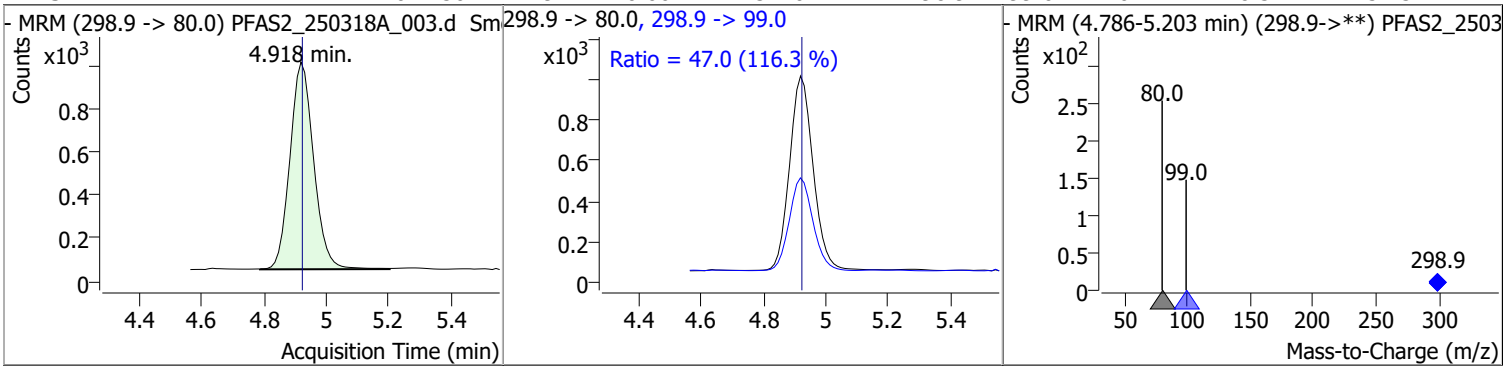
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	170897	315.0 -> 119.0	1.7	1.2	2.3



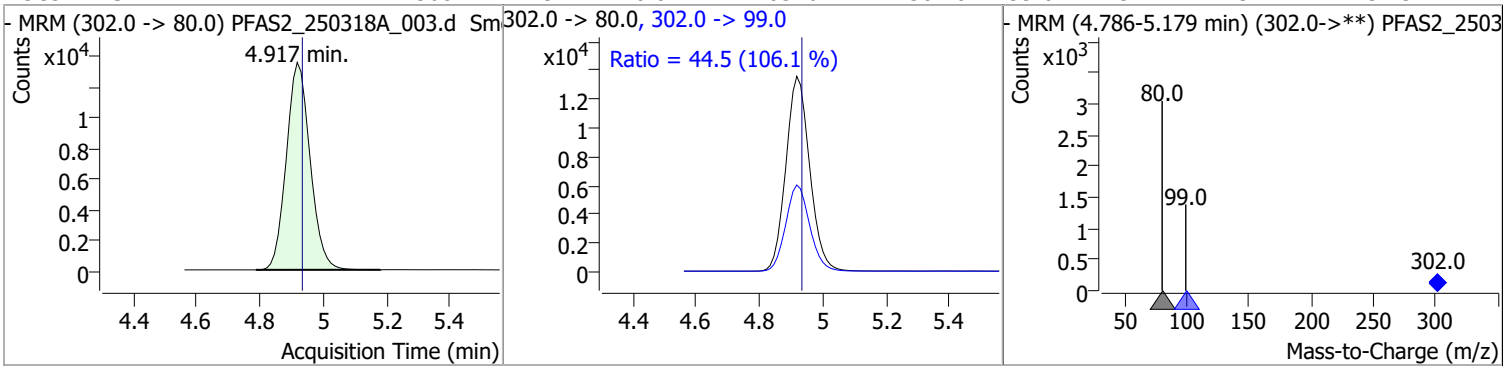
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.1974	4.88	-0.01	13419	313.0 -> 119.0	3.0	2.4	4.5



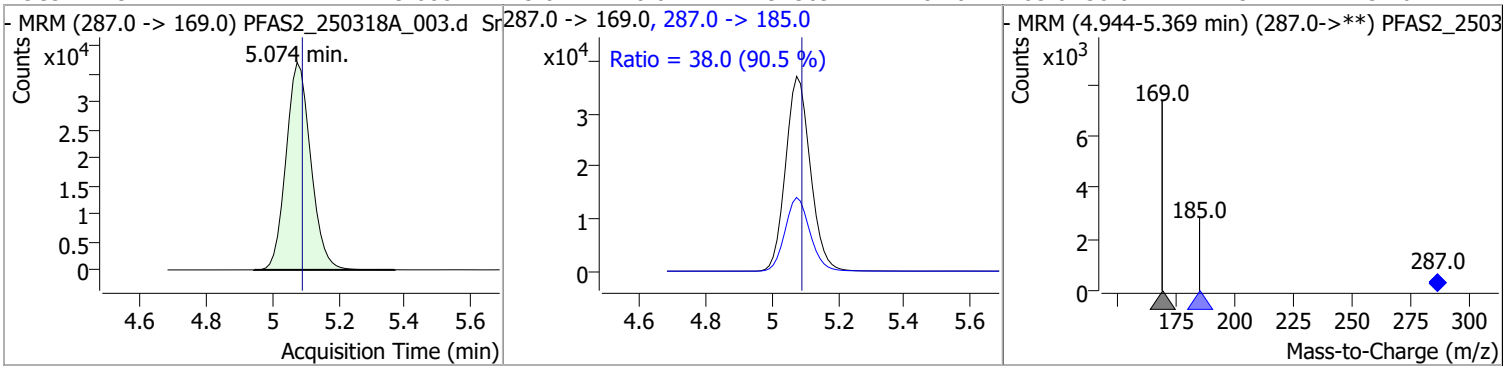
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1750	4.92	0.00	5120	298.9 -> 99.0	47.0	28.3	52.5



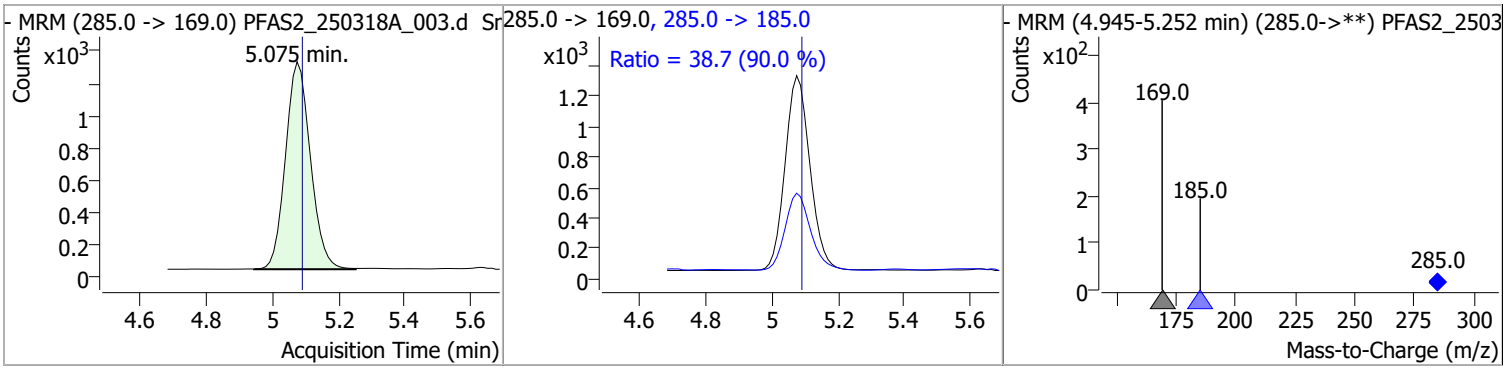
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5684	4.92	-0.01	70516	302.0 -> 99.0	44.5	29.4	54.5



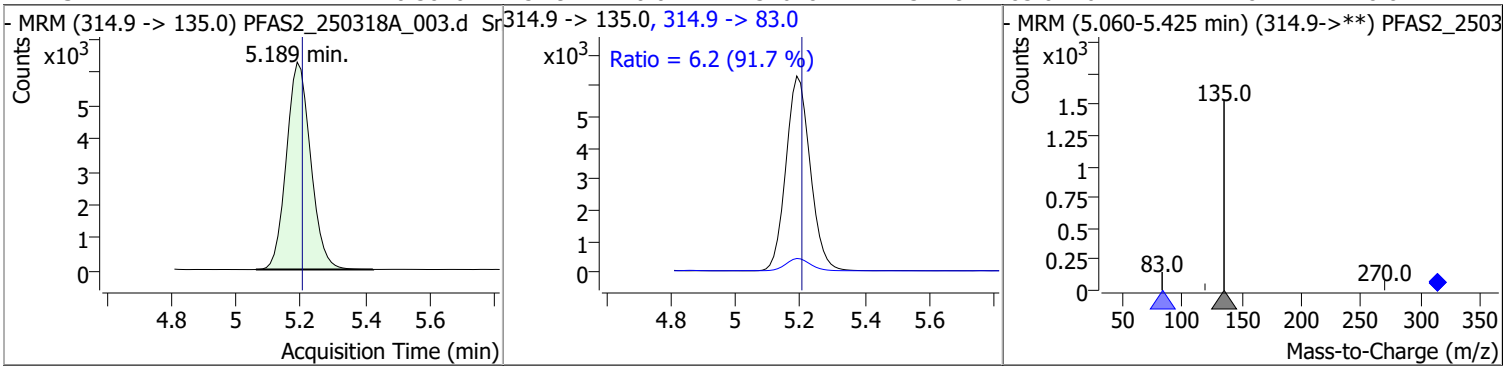
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8884	5.07	-0.01	192509	287.0 -> 185.0	38.0	29.4	54.6



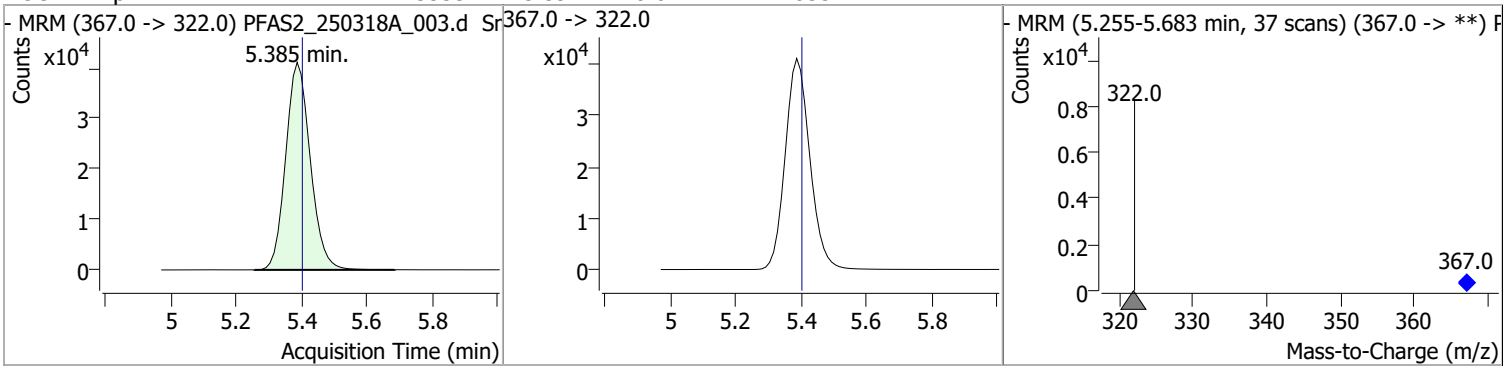
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.3928	5.07	-0.01	6710	285.0 -> 185.0	38.7	30.1	56.0



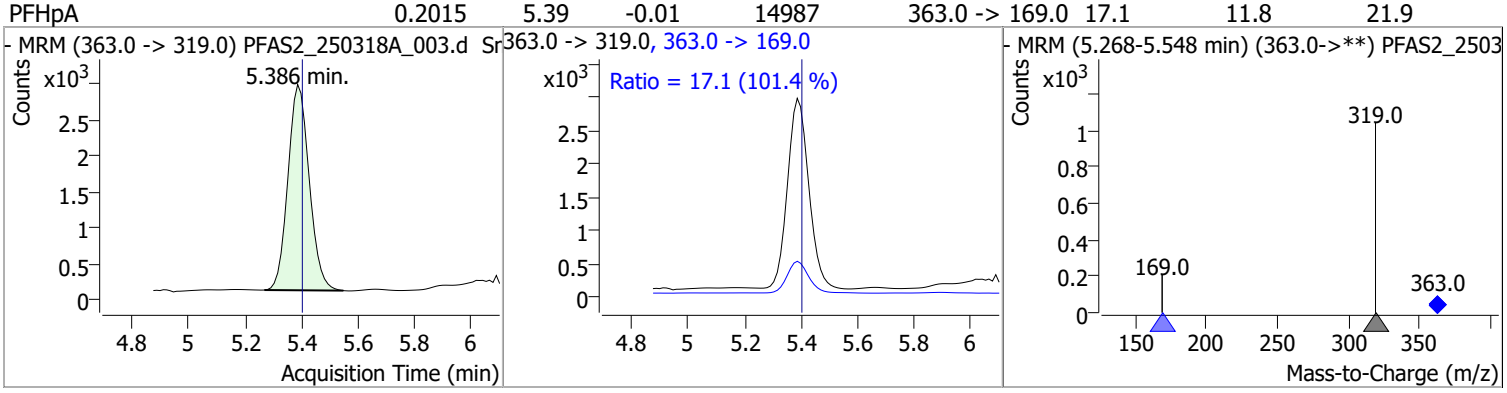
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.3870	5.19	-0.01	32628	314.9 -> 83.0	6.2	4.8	8.8



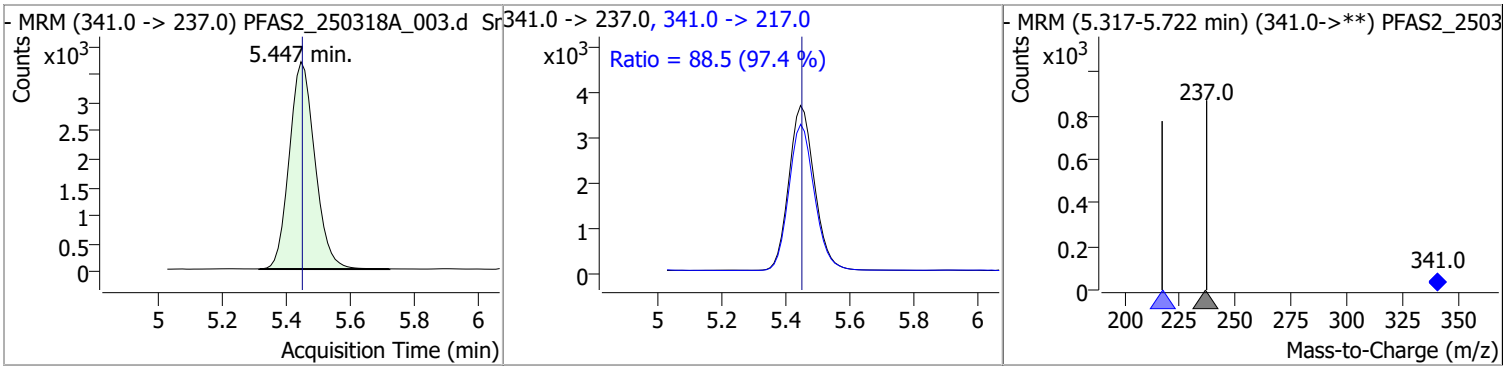
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5535	5.39	-0.01	214833				



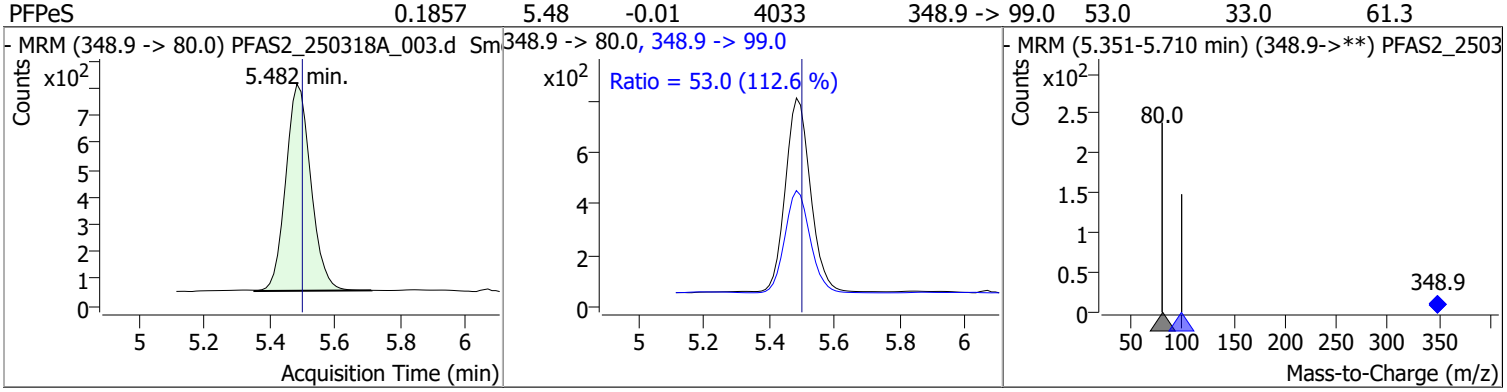
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2015	5.39	-0.01	14987	363.0 -> 169.0	17.1	11.8	21.9



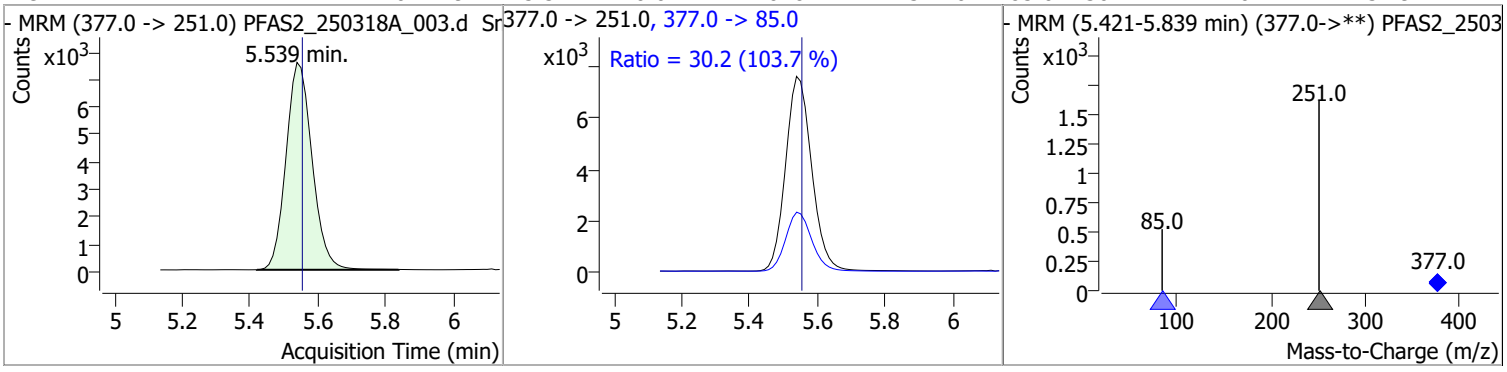
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	4.0445	5.45	0.00	20341	341.0 -> 217.0	88.5	63.6	118.1



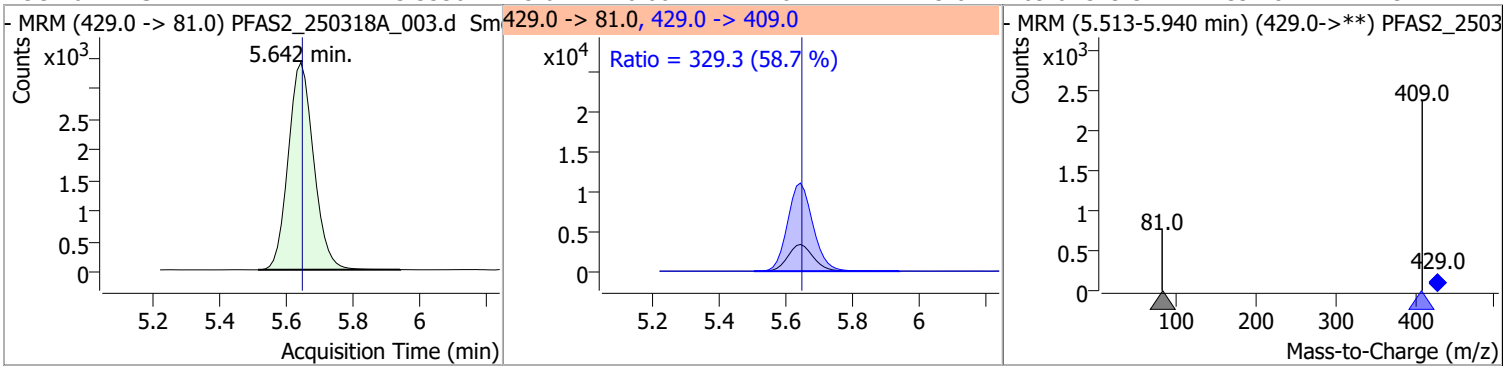
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.1857	5.48	-0.01	4033	348.9 -> 99.0	53.0	33.0	61.3



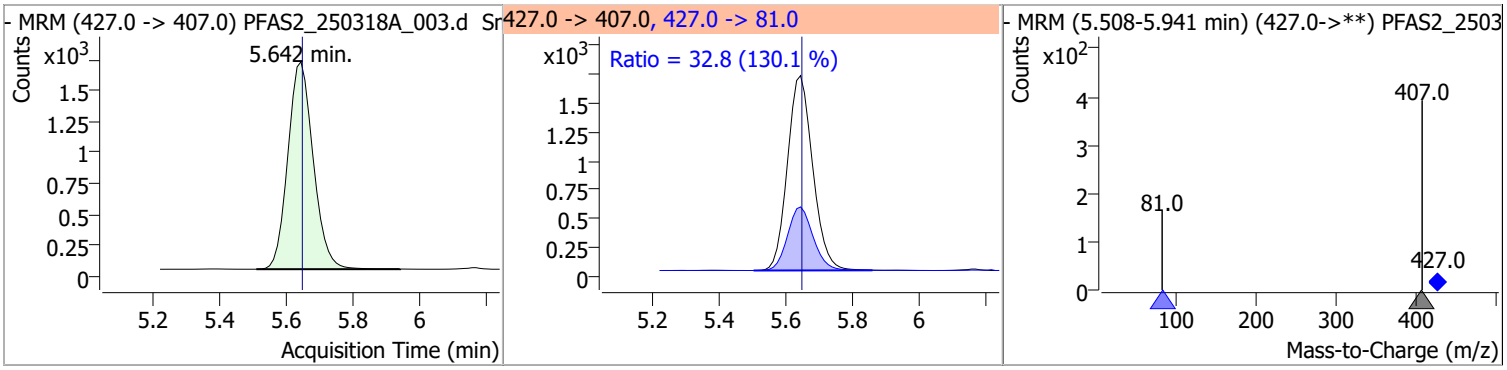
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.4229	5.54	-0.01	40484	377.0 -> 85.0	30.2	20.4	37.9



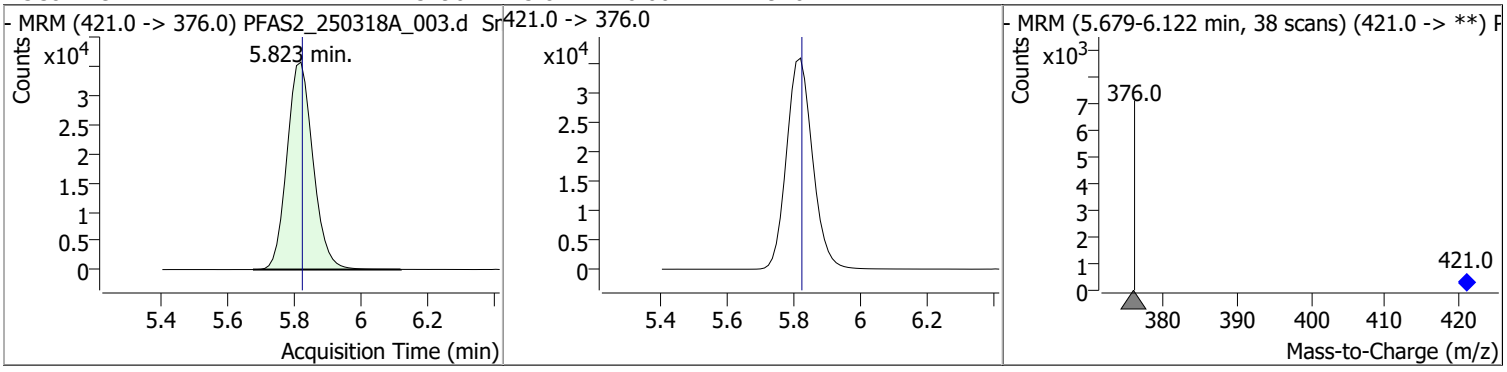
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3536	5.64	0.00	17874	429.0 -> 409.0	329.3	392.8	729.4



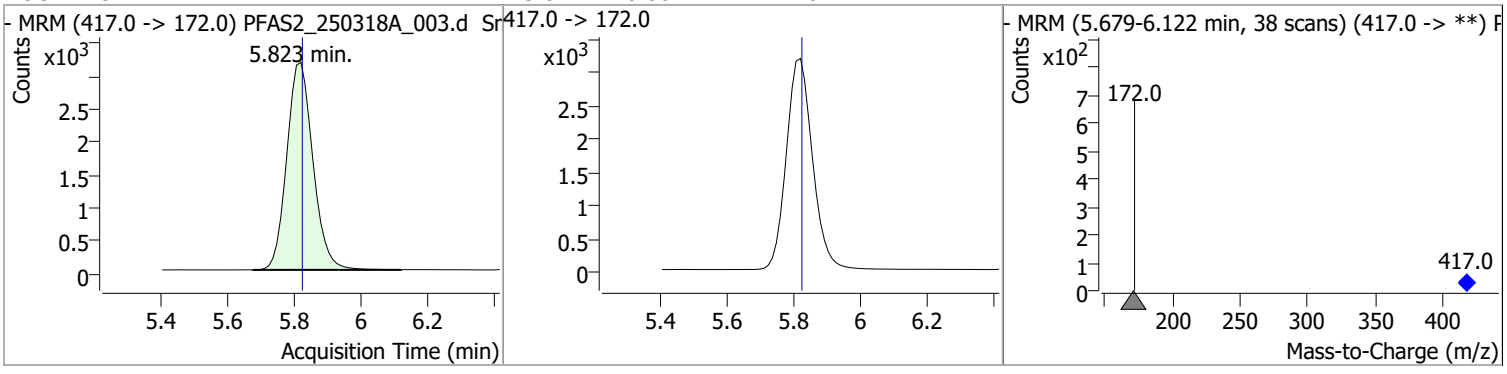
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.8129	5.64	0.00	8900	427.0 -> 81.0	32.8	17.7	32.8



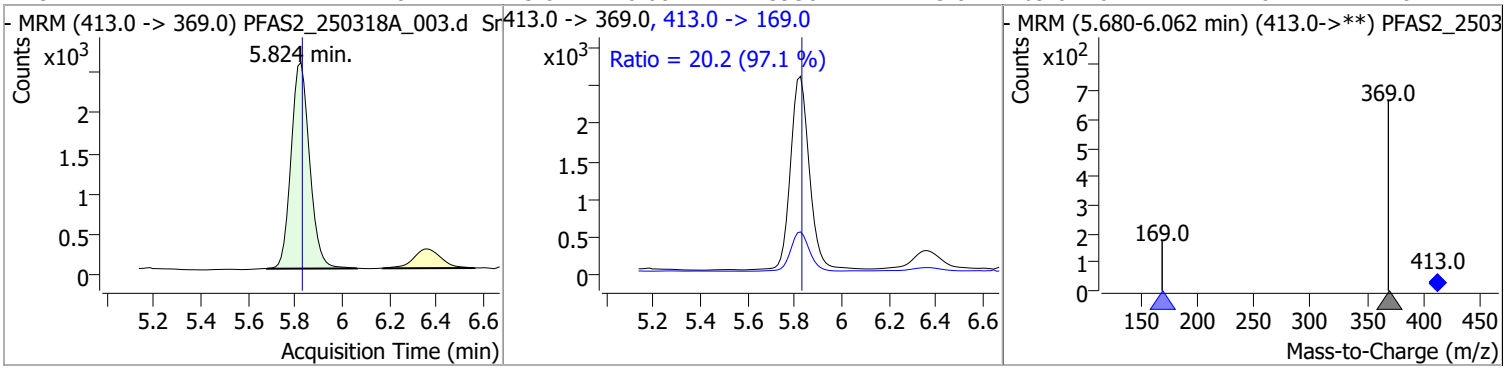
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5190	5.82	0.00	194071				



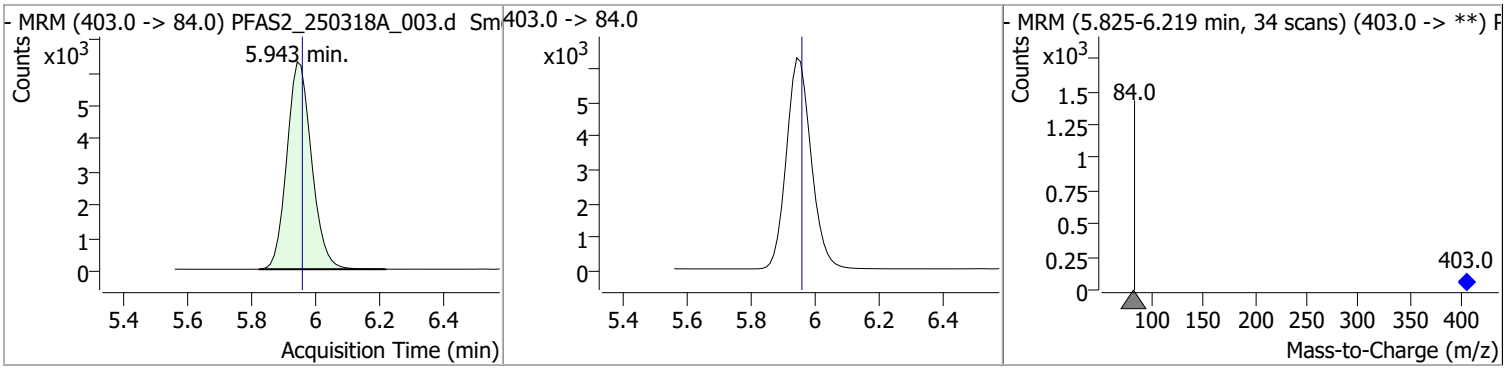
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	17228				



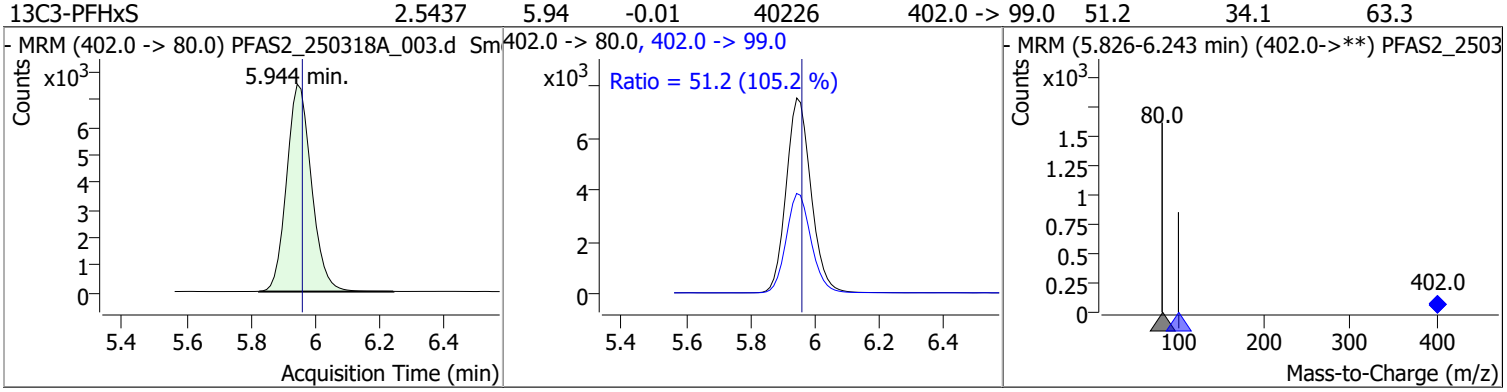
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2174	5.82	0.00	13938	413.0 -> 169.0	20.2	14.6	27.0



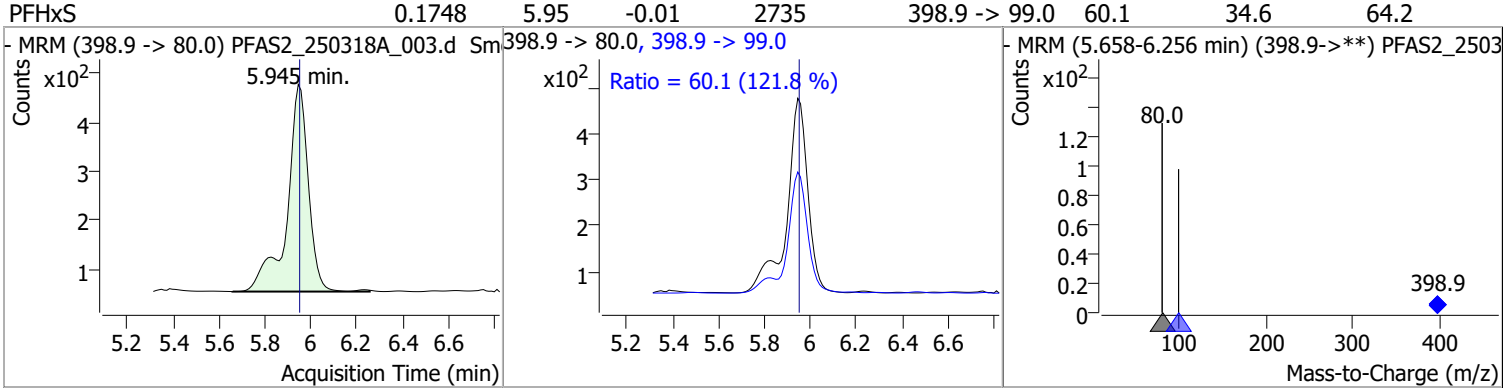
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	-0.01	33527				



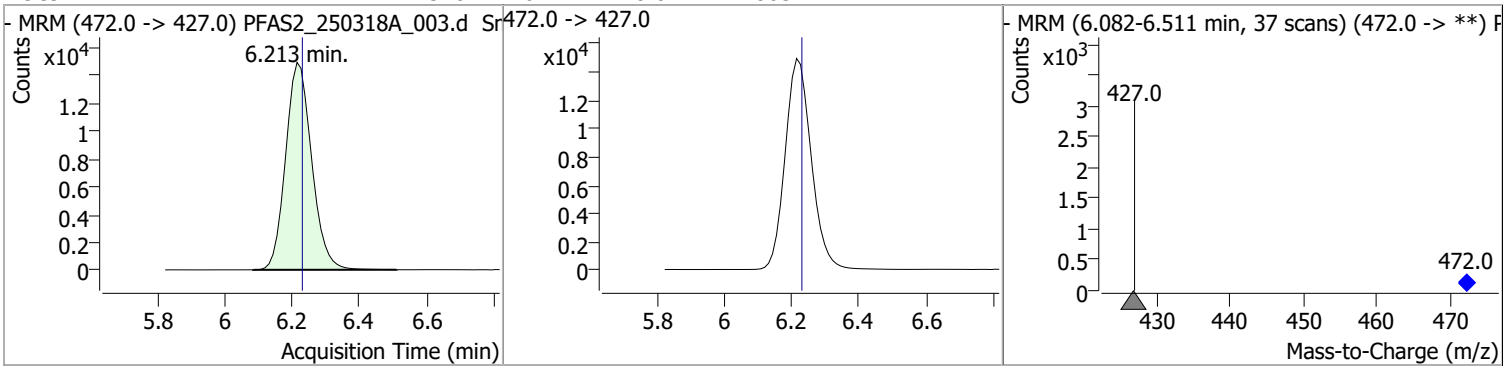
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5437	5.94	-0.01	40226	402.0 -> 99.0	51.2	34.1	63.3



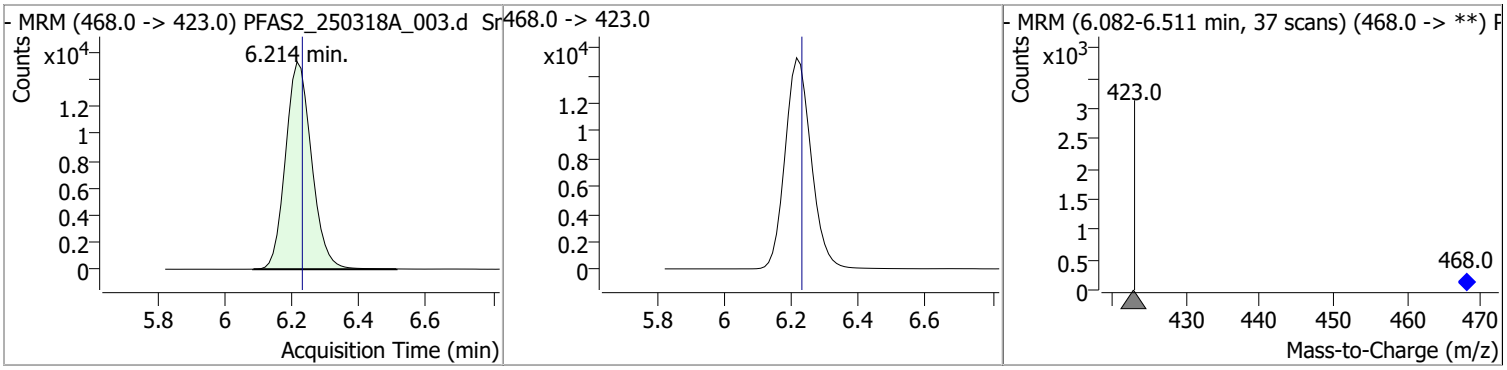
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1748	5.95	-0.01	2735	398.9 -> 99.0	60.1	34.6	64.2



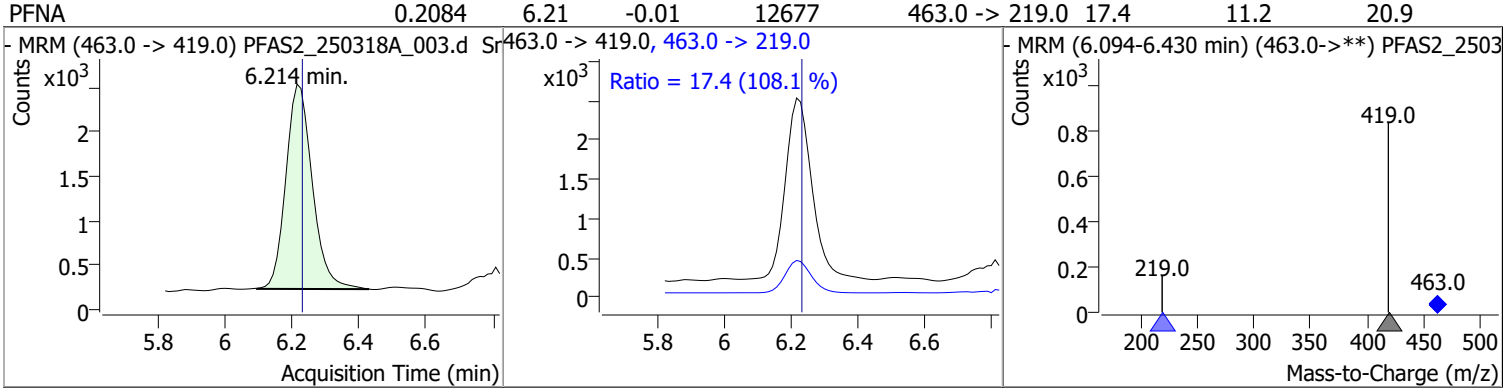
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2348	6.21	-0.01	80527				



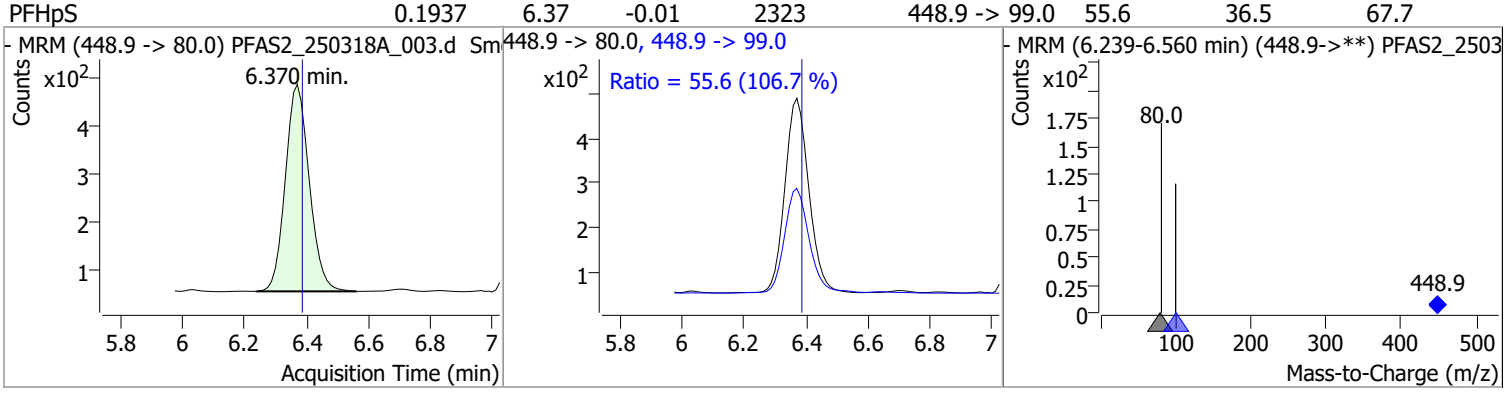
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	82300				



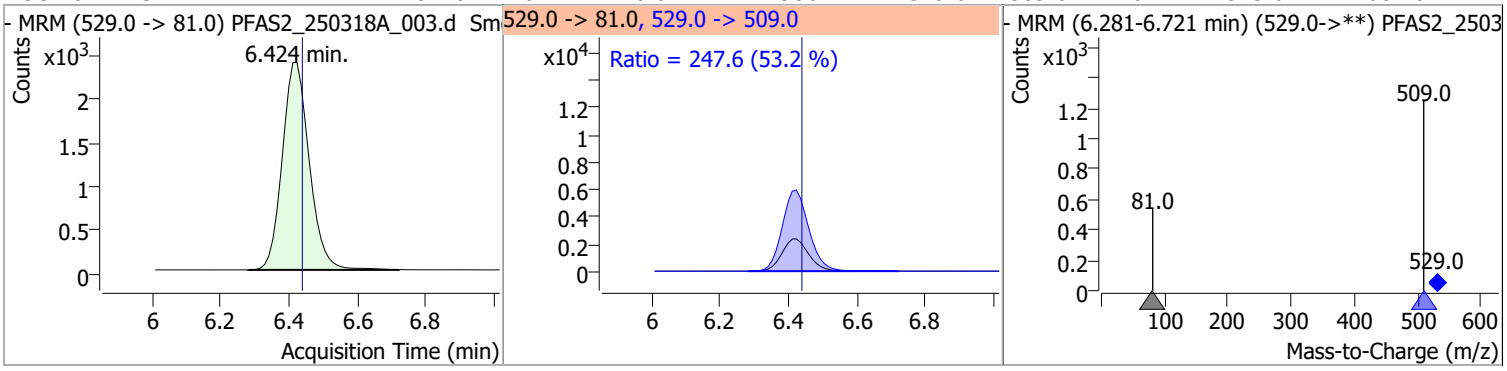
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.2084	6.21	-0.01	12677	463.0 -> 219.0	17.4	11.2	20.9



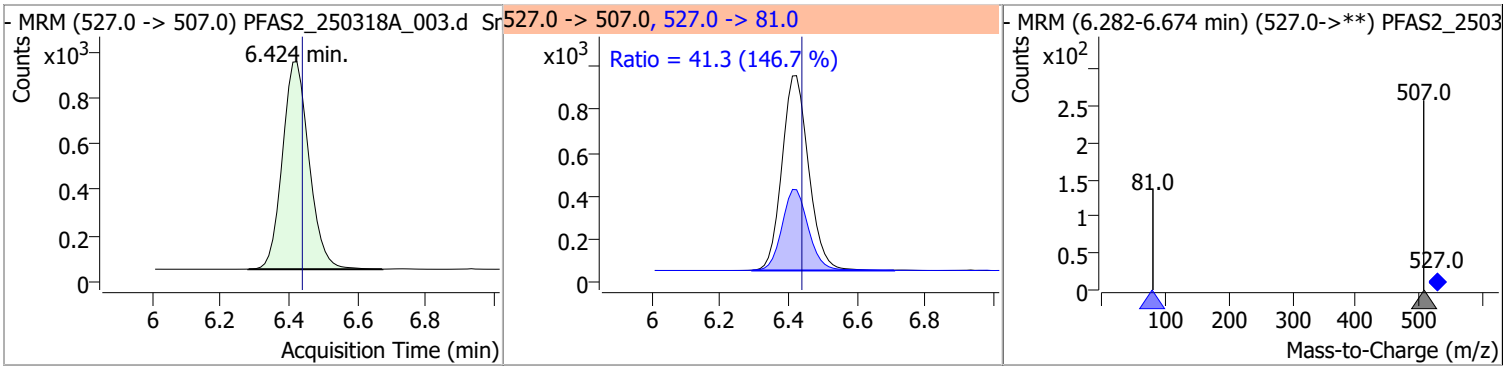
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1937	6.37	-0.01	2323	448.9 -> 99.0	55.6	36.5	67.7



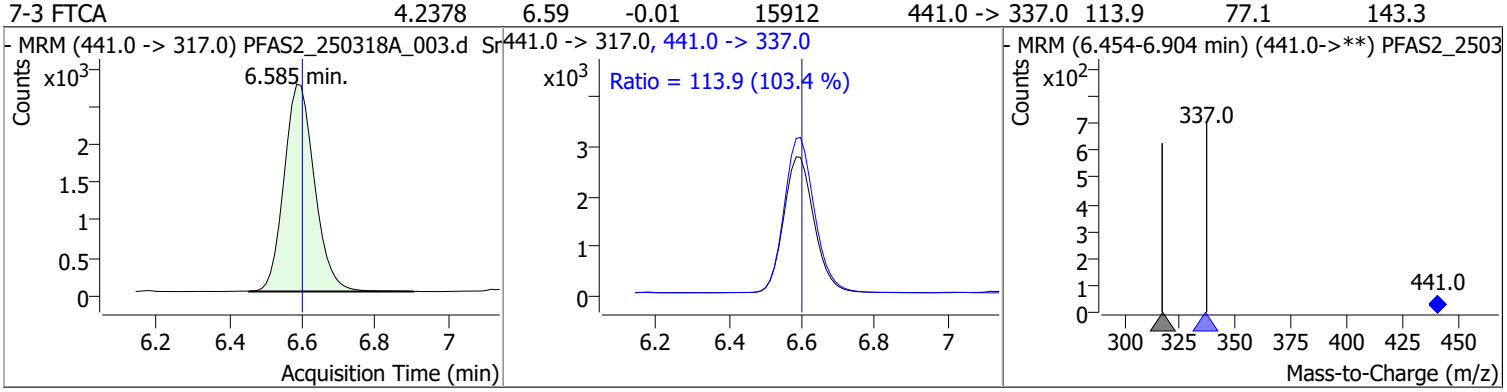
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8276	6.42	-0.01	12958	529.0 -> 509.0	247.6	325.6	604.6



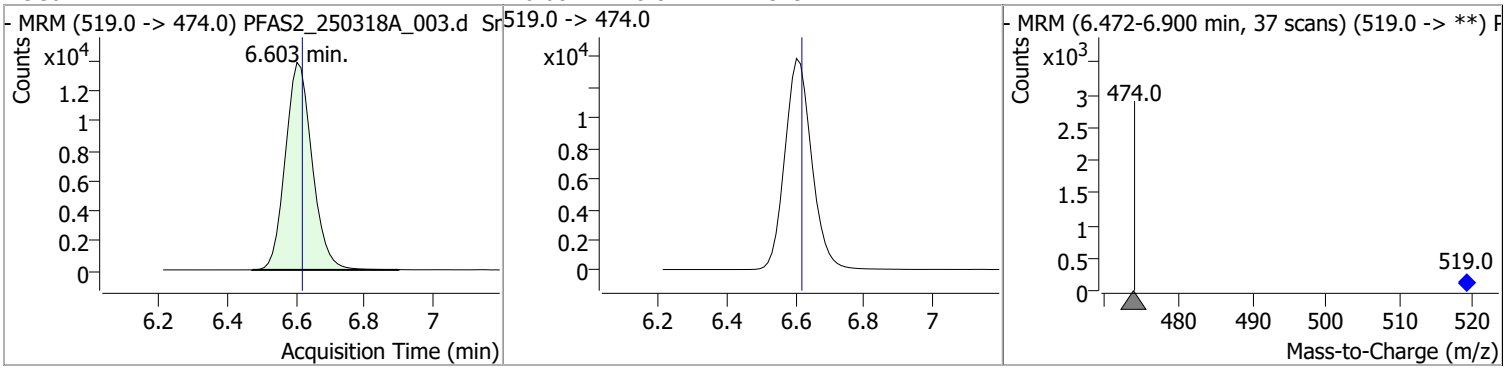
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.9032	6.42	-0.01	4912	527.0 -> 81.0	41.3	19.7	36.6



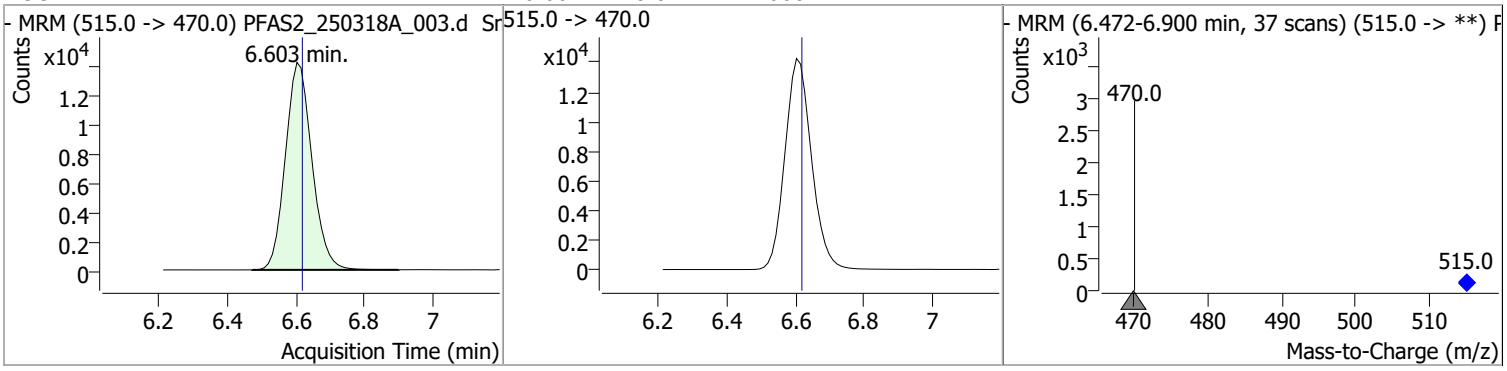
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.2378	6.59	-0.01	15912	441.0 -> 337.0	113.9	77.1	143.3



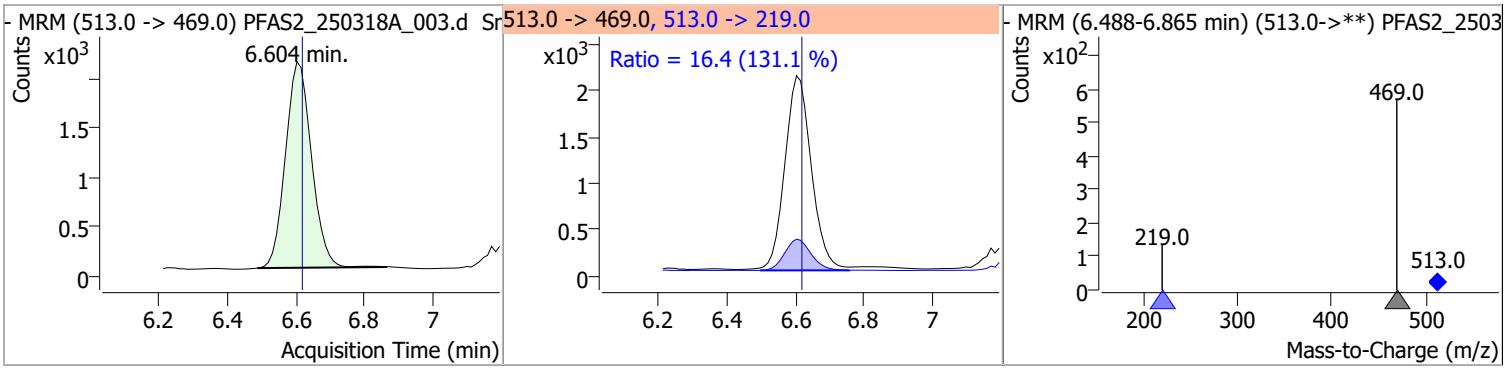
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2111	6.60	-0.01	75492				



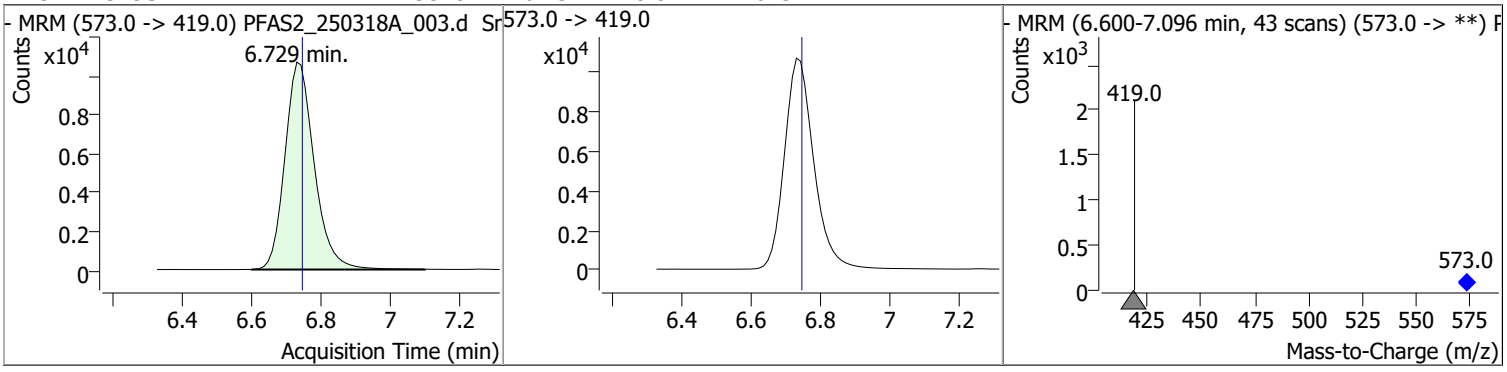
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	76601				



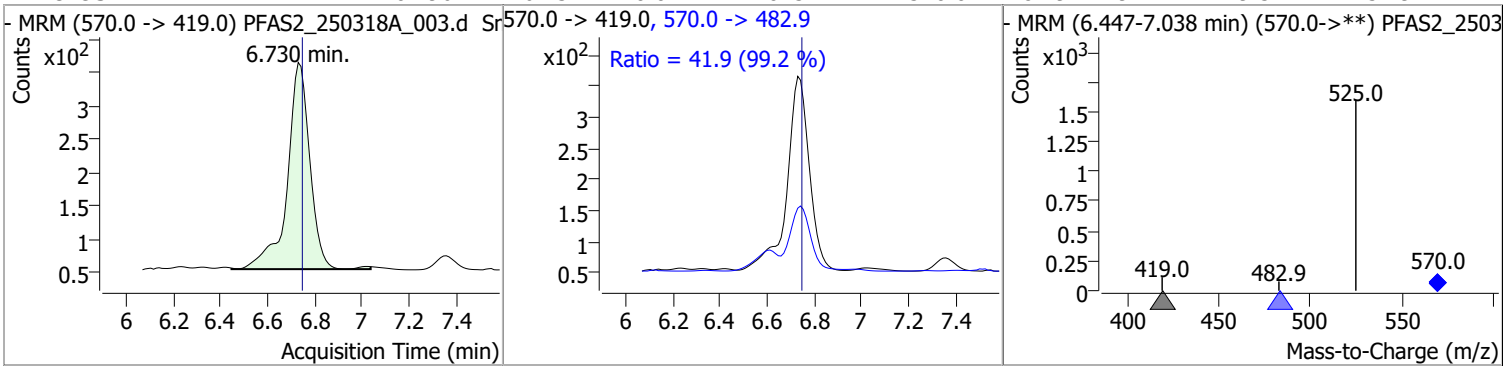
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.1970	6.60	-0.01	11051	513.0 -> 219.0	16.4	8.7	16.2



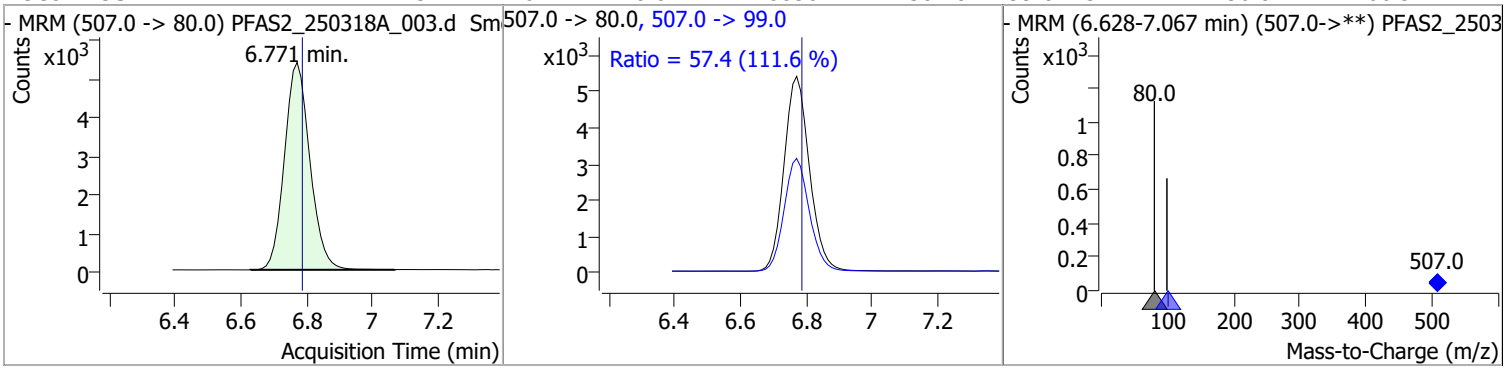
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9340	6.73	-0.01	62347				



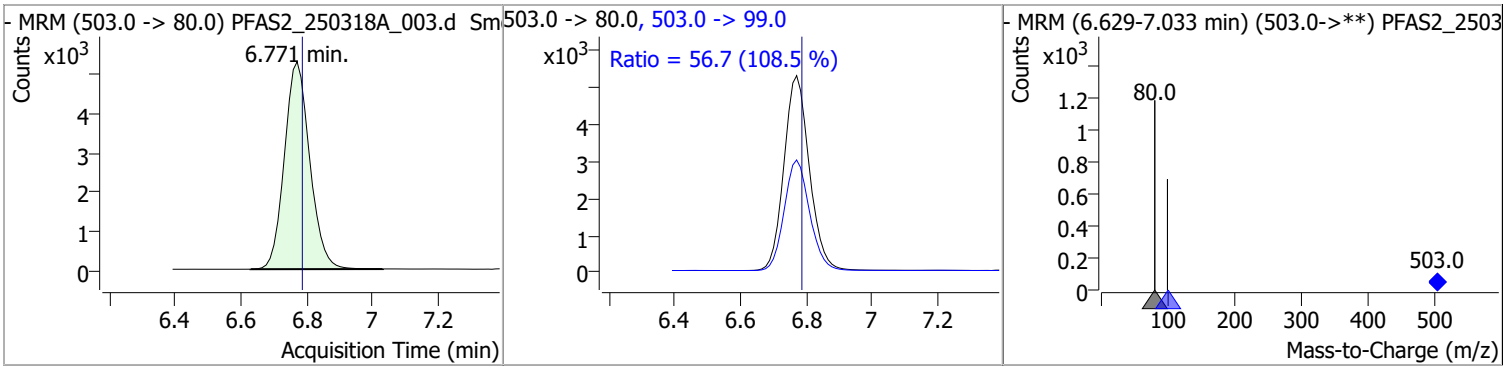
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.1961	6.73	-0.01	2075	570.0 -> 482.9	41.9	29.5	54.9



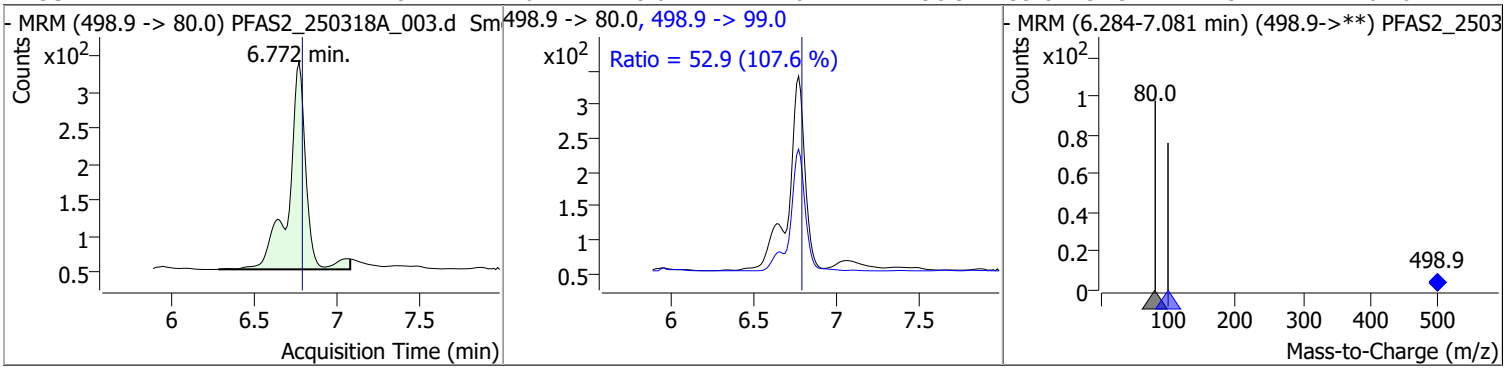
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5224	6.77	-0.01	28830	507.0 -> 99.0	57.4	36.0	66.9



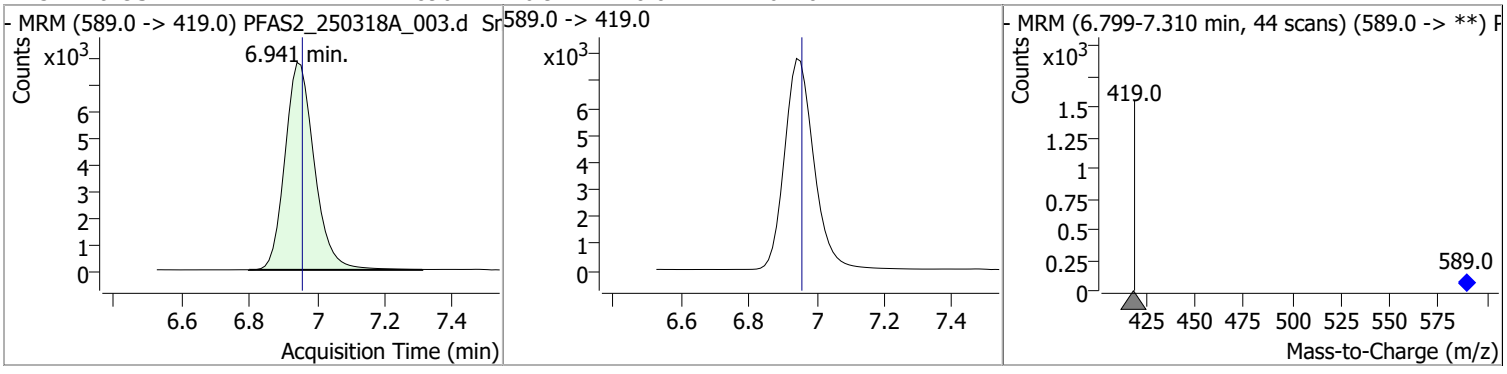
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	28163	503.0 -> 99.0	56.7	36.6	67.9



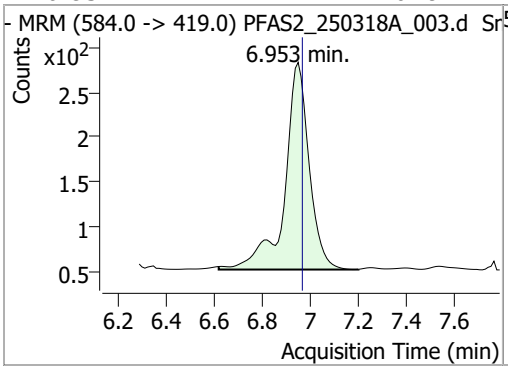
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.2141	6.77	-0.01	2126	498.9 -> 99.0	52.9	34.4	64.0

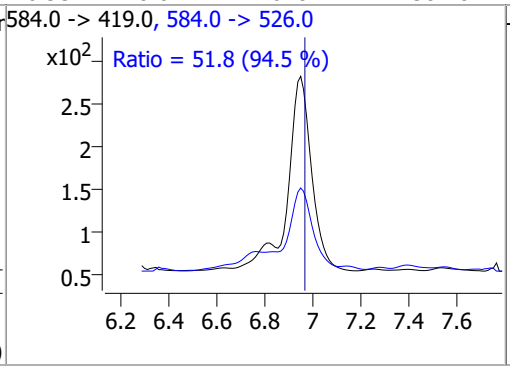


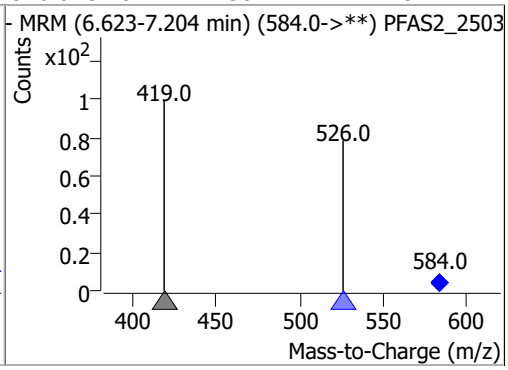
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8962	6.94	-0.01	46710				



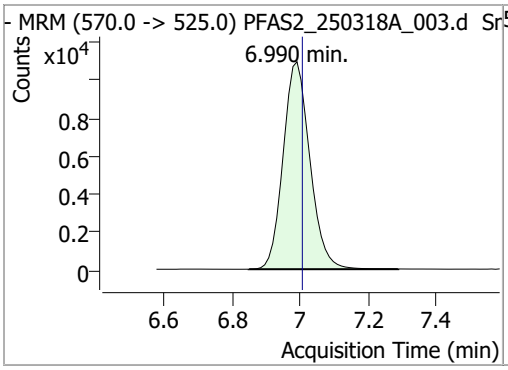
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.1941	6.95	-0.01	1618	584.0 -> 526.0	51.8	38.4	71.3

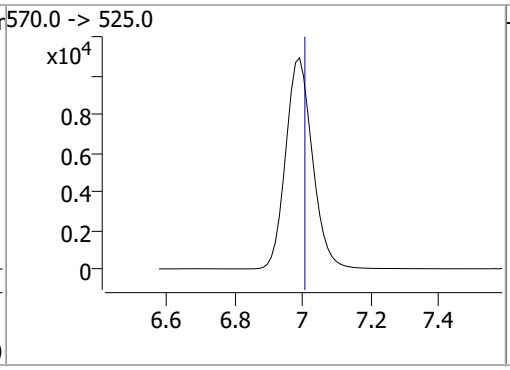


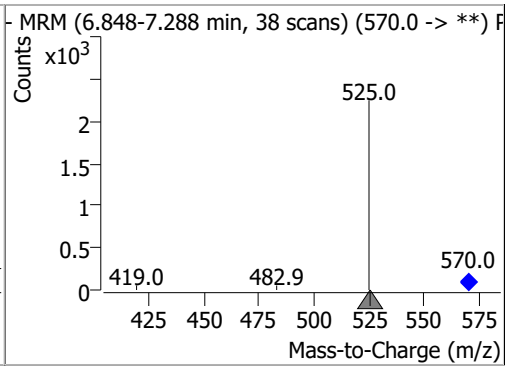




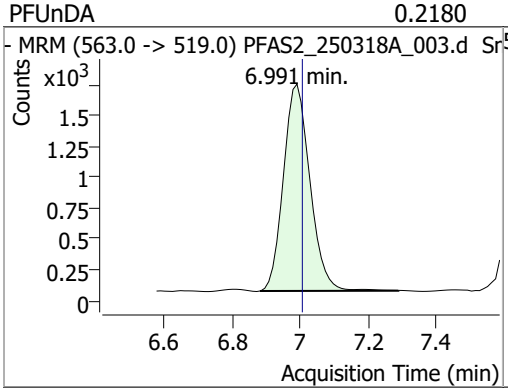
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2139	6.99	-0.01	59634				

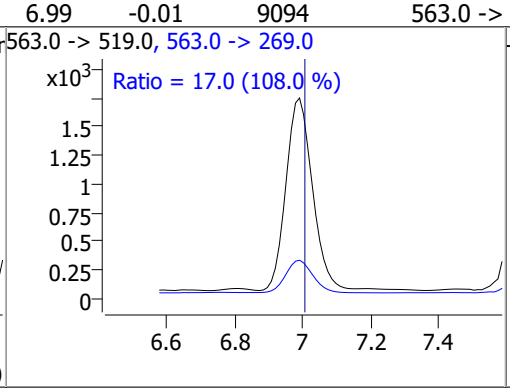


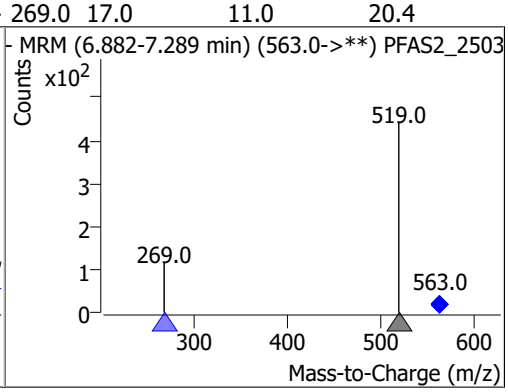




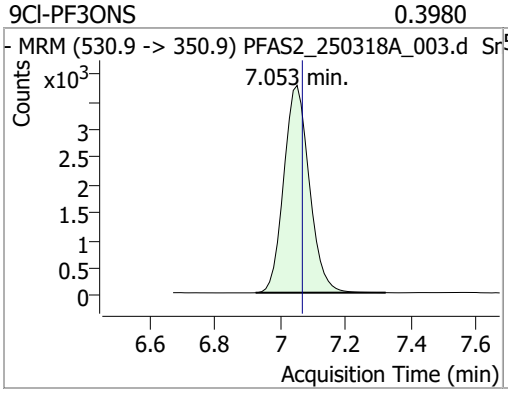
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.2180	6.99	-0.01	9094	563.0 -> 269.0	17.0	11.0	20.4

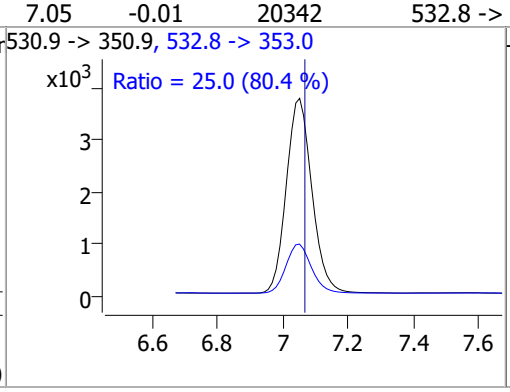


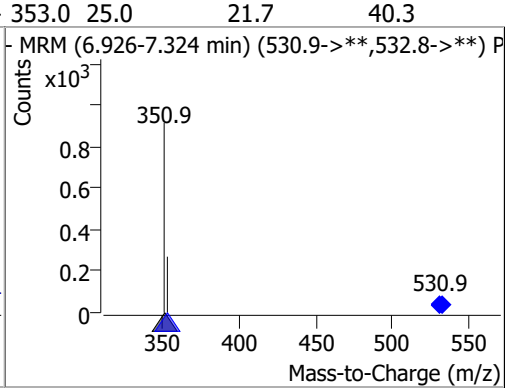




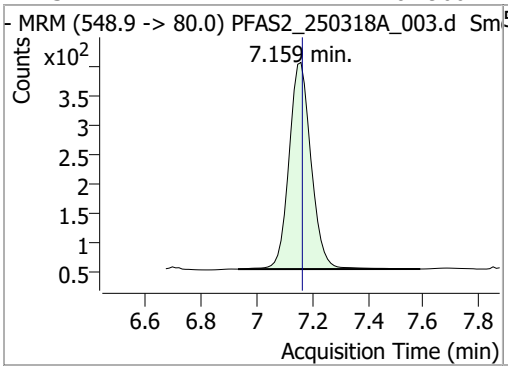
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.3980	7.05	-0.01	20342	532.8 -> 353.0	25.0	21.7	40.3

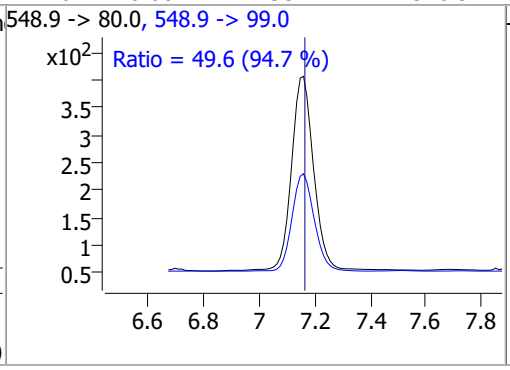


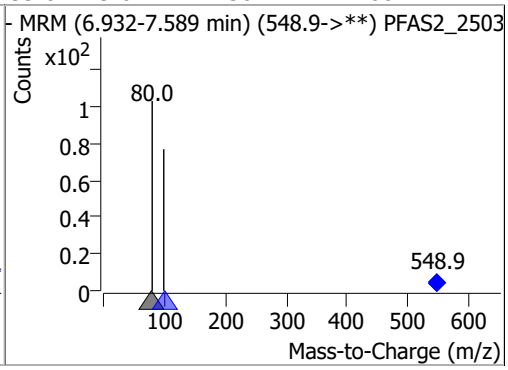




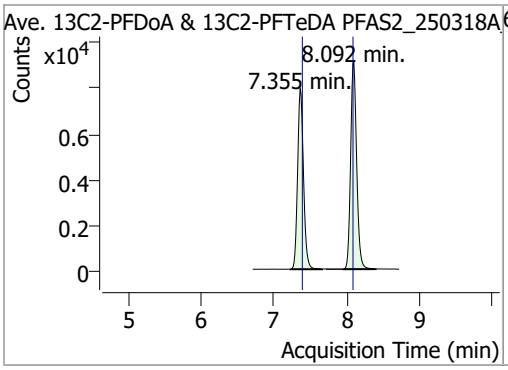
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.1966	7.16	0.00	1934	548.9 -> 99.0	49.6	36.7	68.1

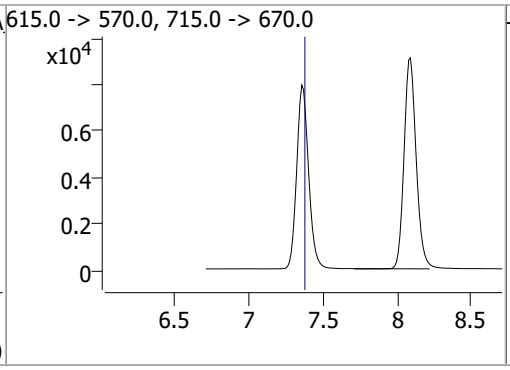


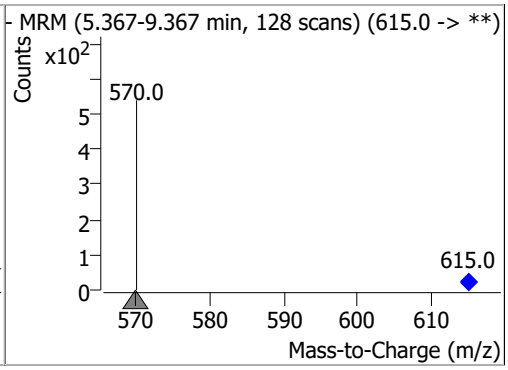




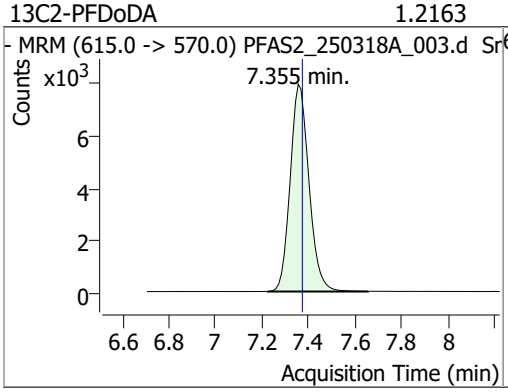
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1954	7.72	0.36	48401				

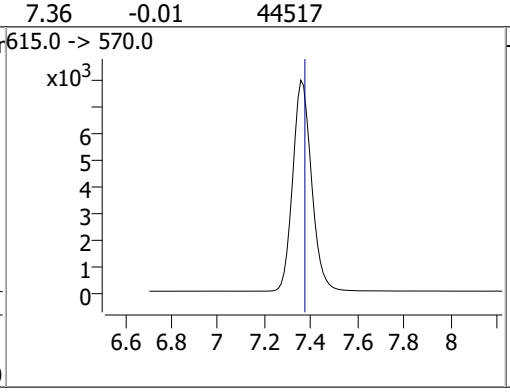


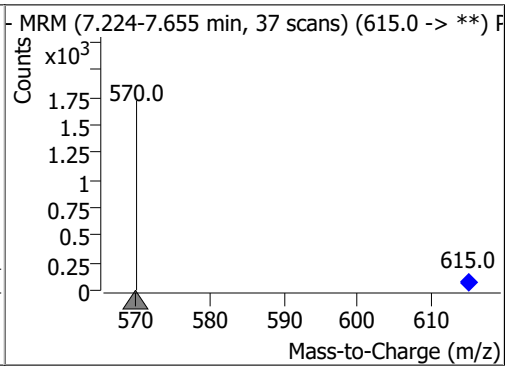




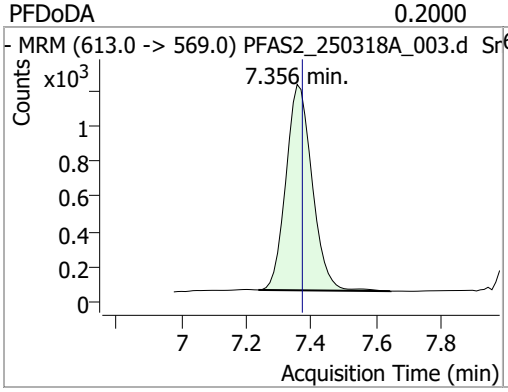
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2163	7.36	-0.01	44517				

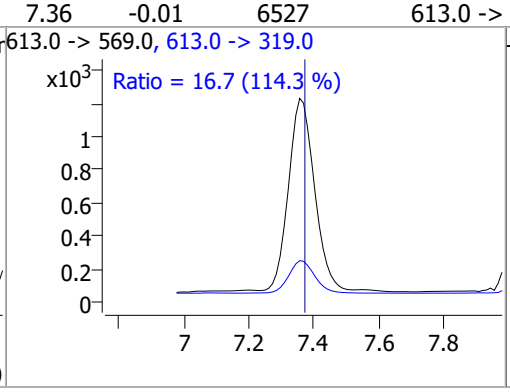


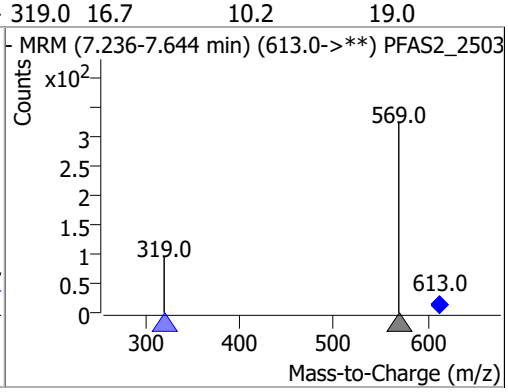




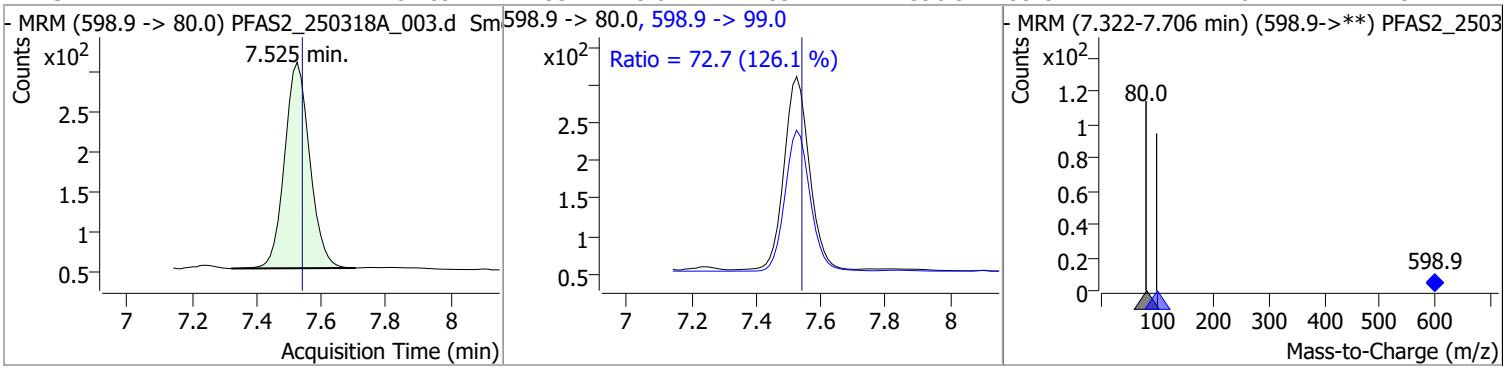
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.2000	7.36	-0.01	6527	613.0 -> 319.0	16.7	10.2	19.0



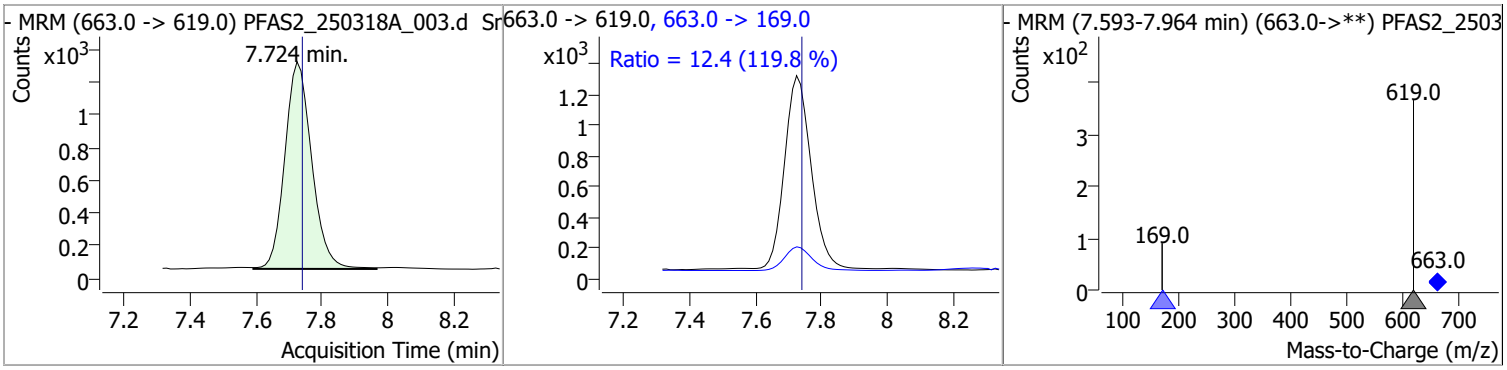




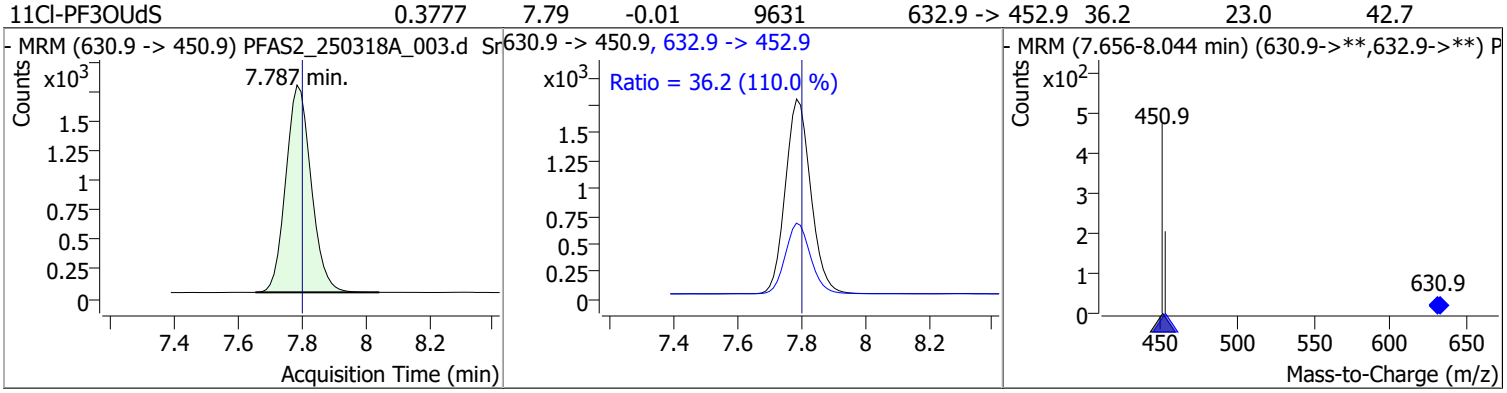
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.1894	7.53	-0.01	1392	598.9 -> 99.0	72.7	40.4	74.9



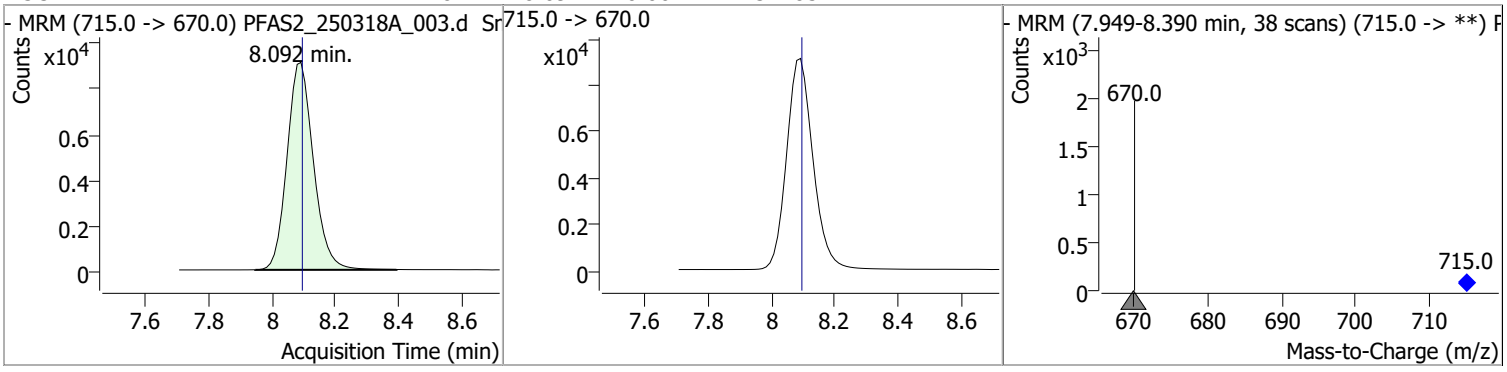
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.1955	7.72	-0.01	7130	663.0 -> 169.0	12.4	7.2	13.4



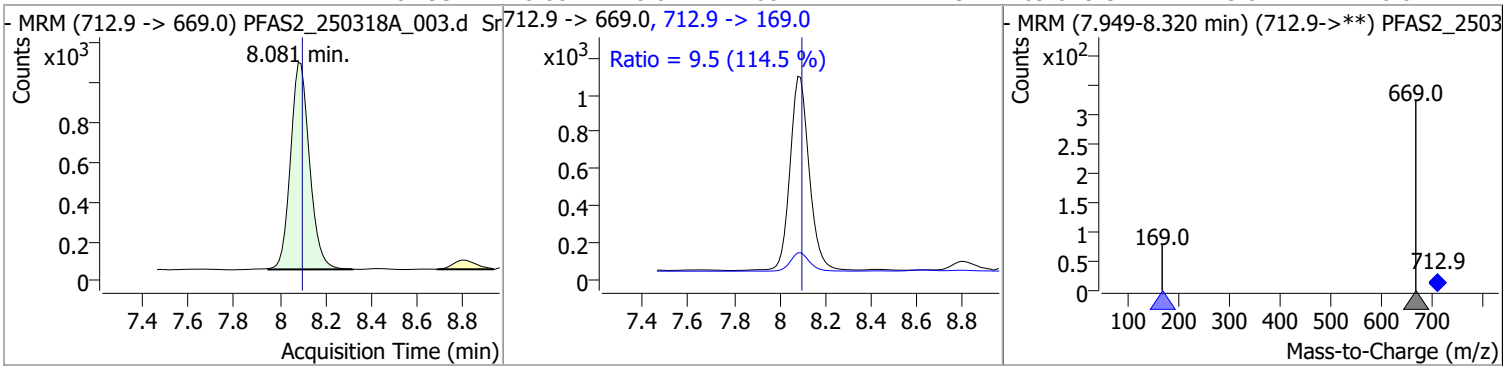
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.3777	7.79	-0.01	9631	632.9 -> 452.9	36.2	23.0	42.7



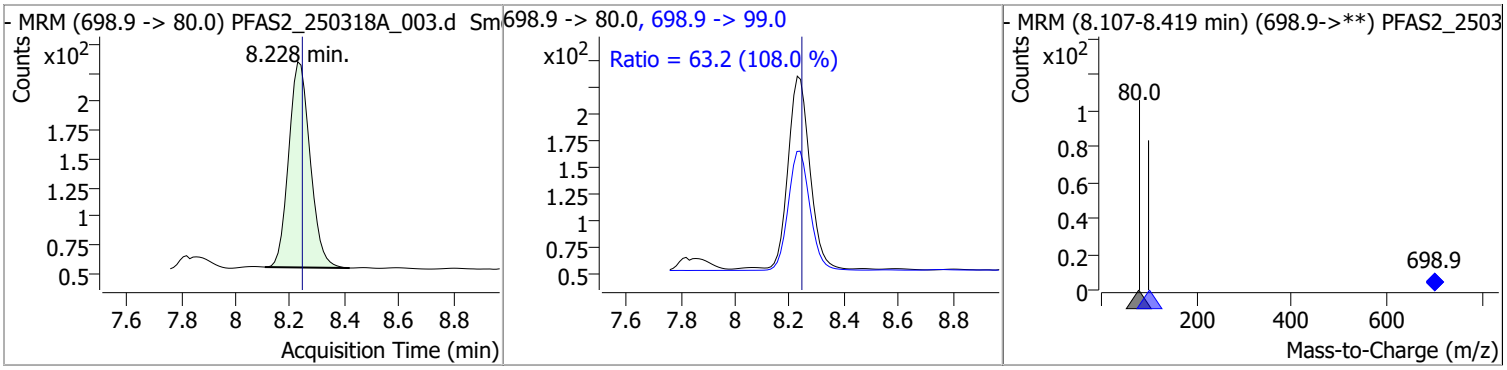
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1781	8.09	0.00	52285				



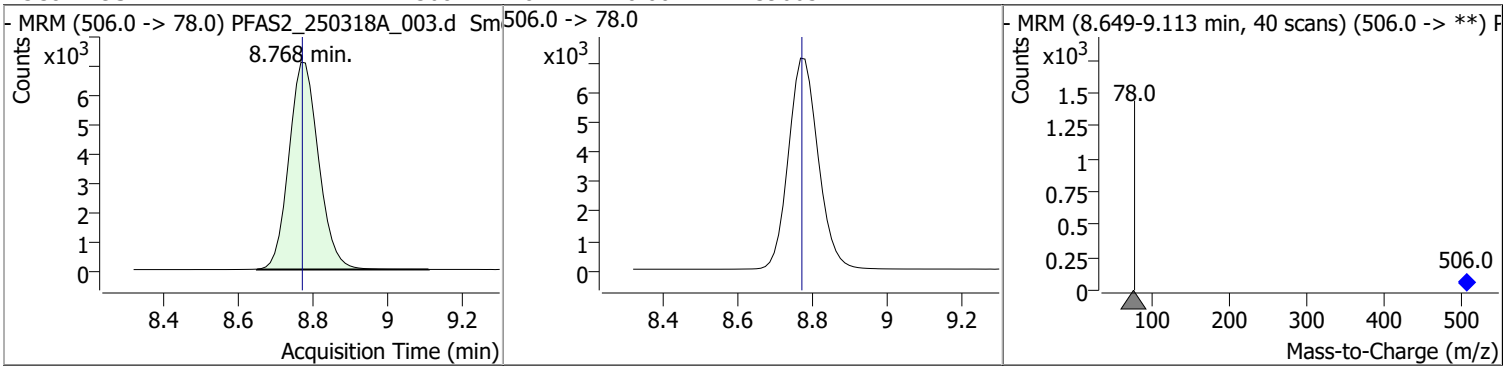
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.1937	8.08	-0.01	6017	712.9 -> 169.0	9.5	5.8	10.8



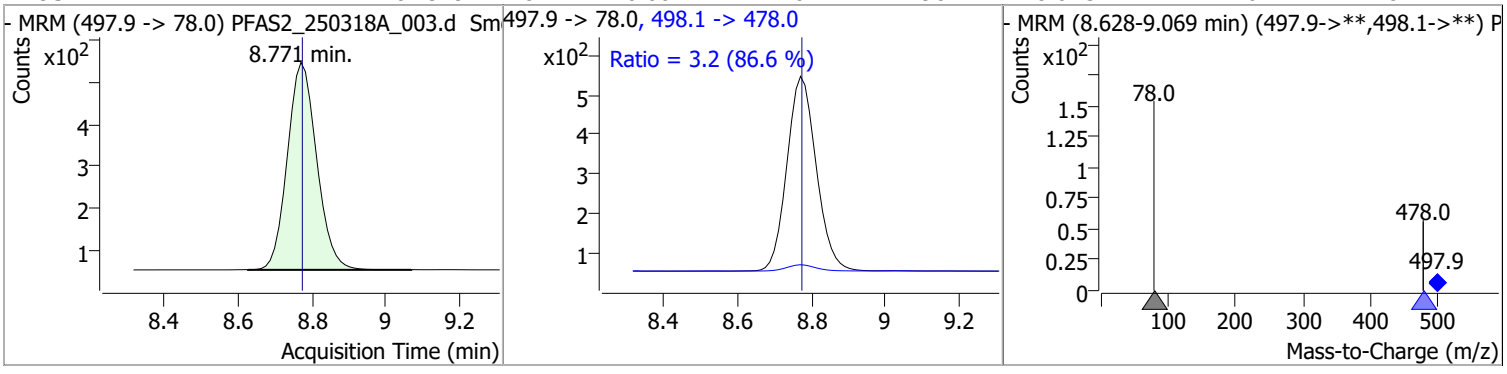
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.1903	8.23	-0.01	978	698.9 -> 99.0	63.2	41.0	76.1



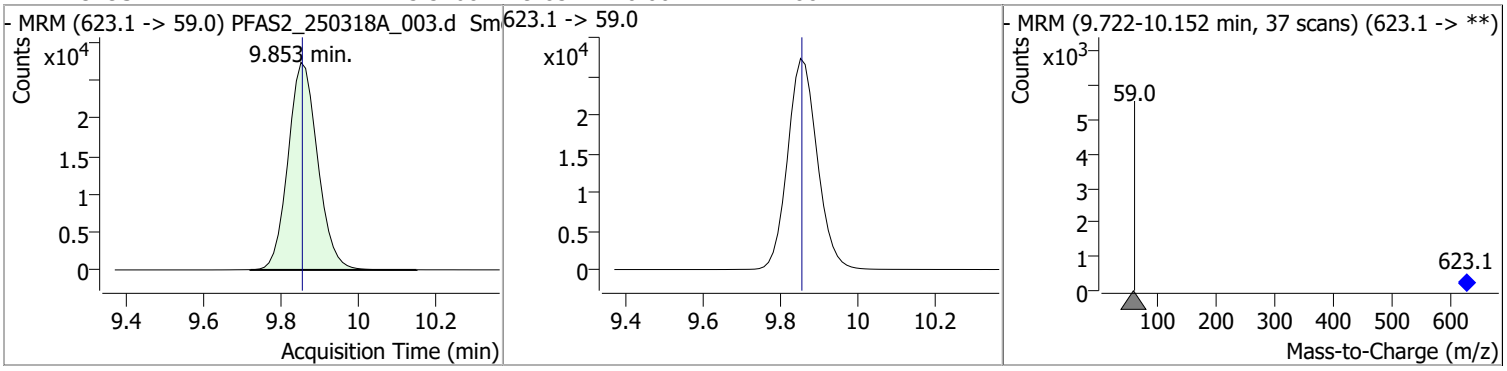
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3682	8.77	0.00	39665				



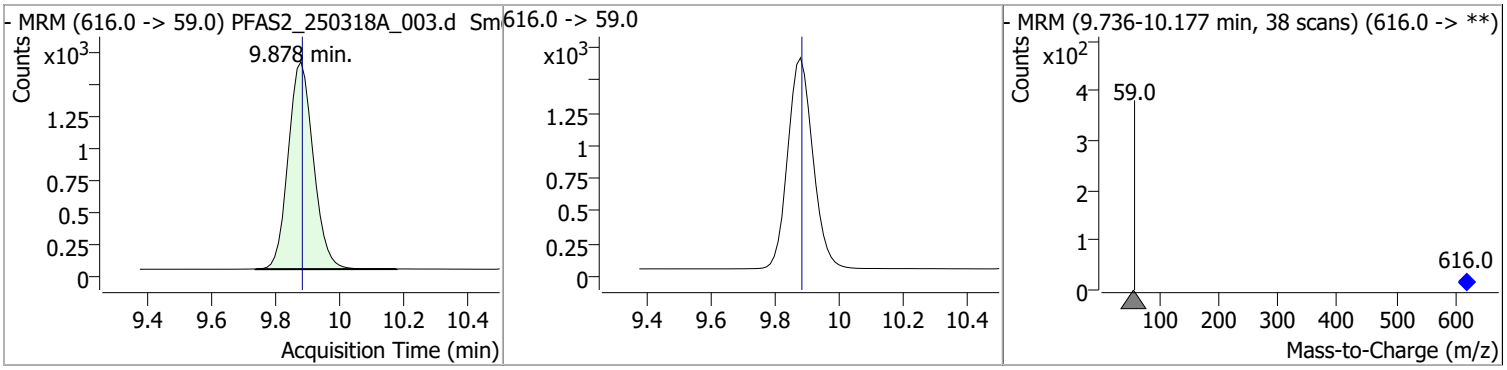
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.1979	8.77	0.00	2728	498.1 -> 478.0	3.2	2.6	4.8



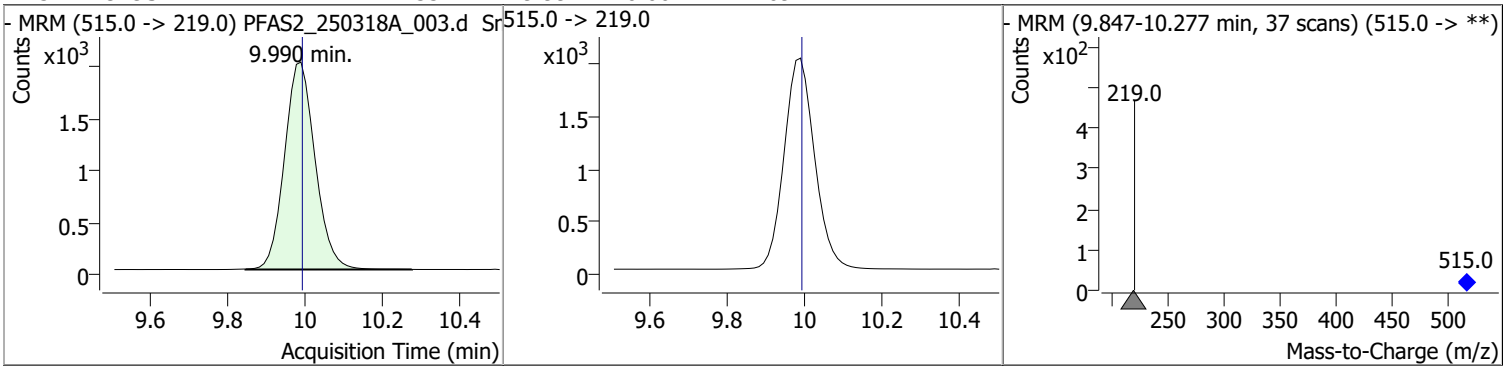
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.5168	9.85	0.00	144881				



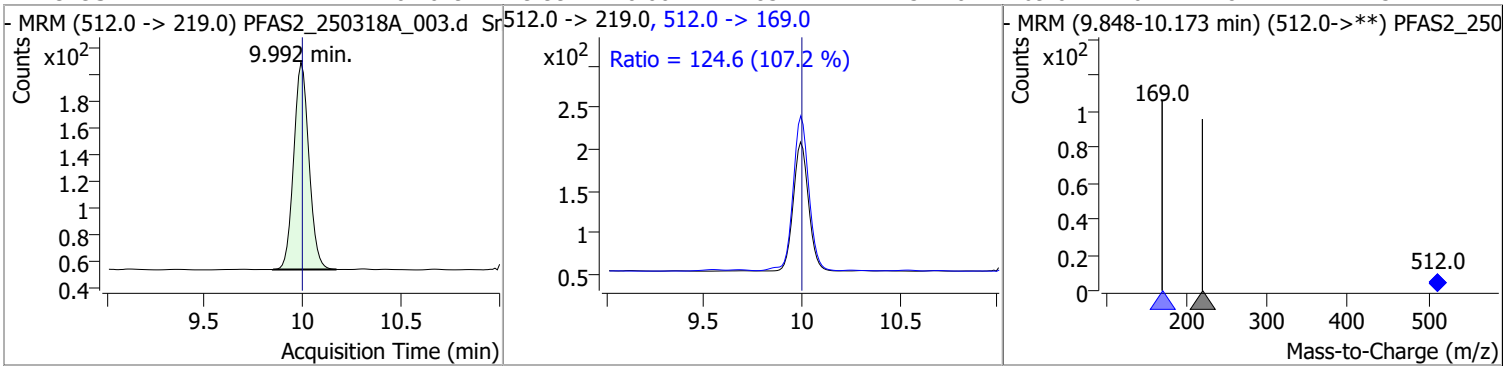
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	1.9778	9.88	0.00	8829				



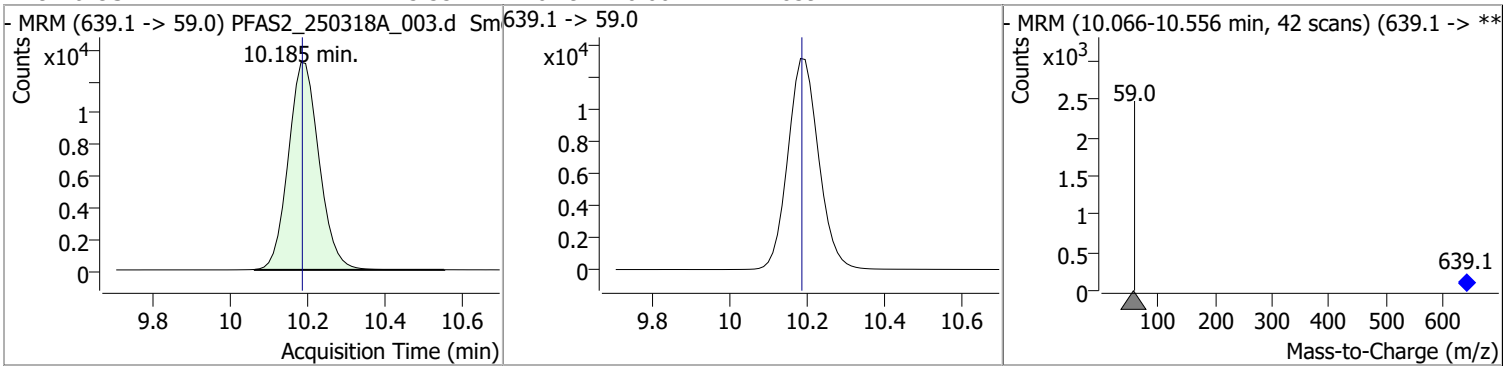
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3347	9.99	0.00	10974				



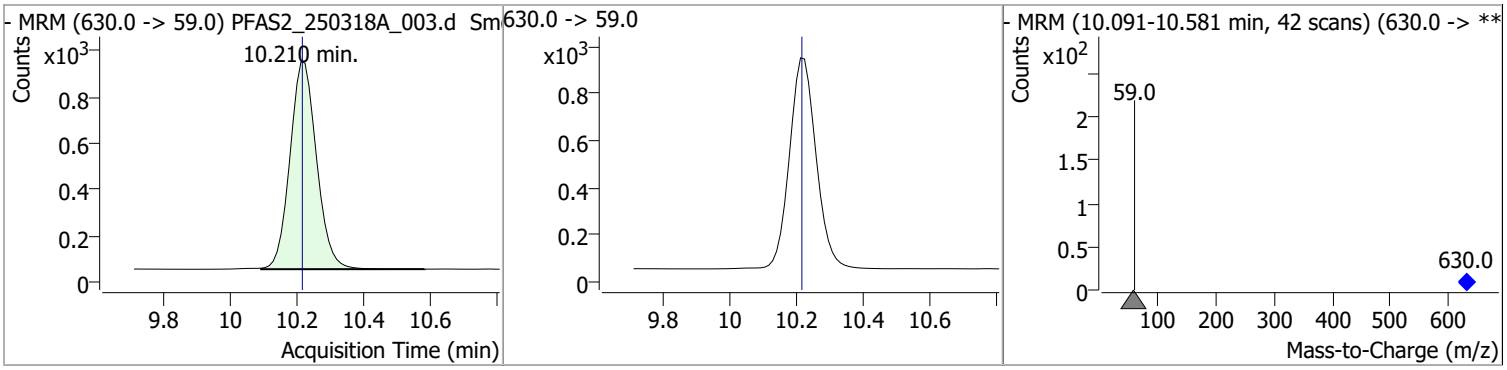
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.2019	9.99	0.00	834	512.0 -> 169.0	124.6	81.4	151.2



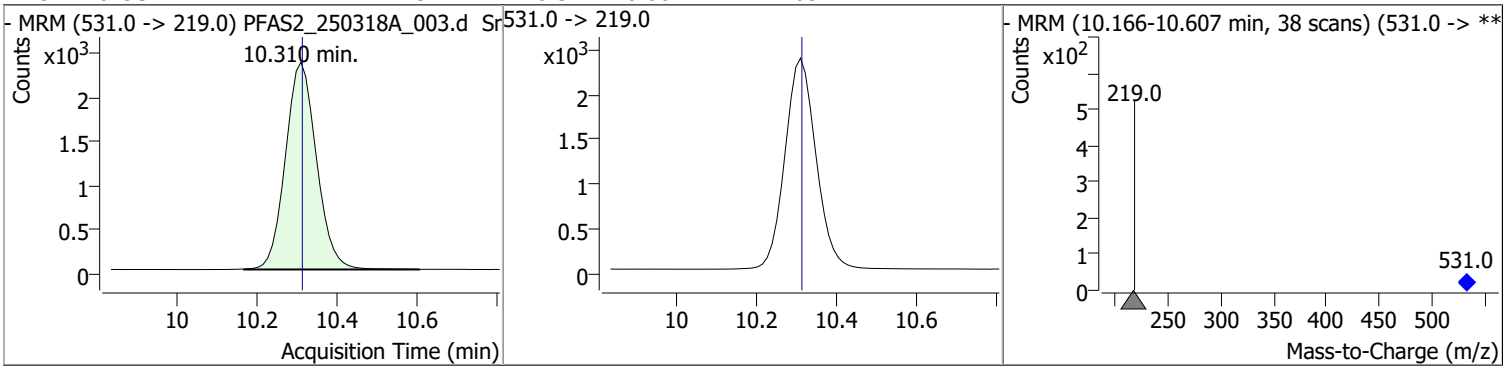
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.3511	10.19	0.00	72839				



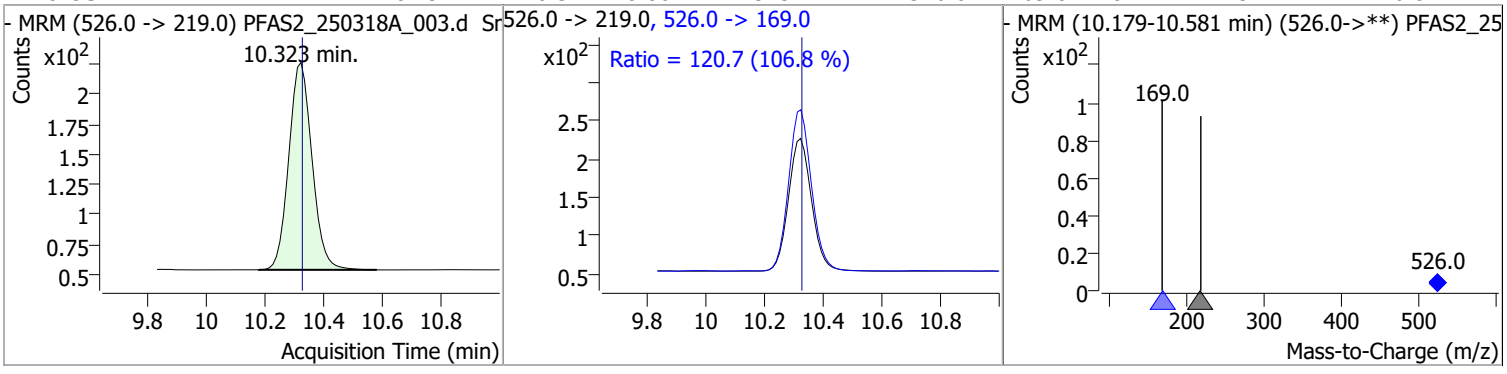
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	1.9180	10.21	0.00	4992				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5114	10.31	0.00	12765				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.1927	10.32	0.00	949	526.0 -> 169.0	120.7	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_012.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:45:23 PM
Sample Name	SEQ-CAL10	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

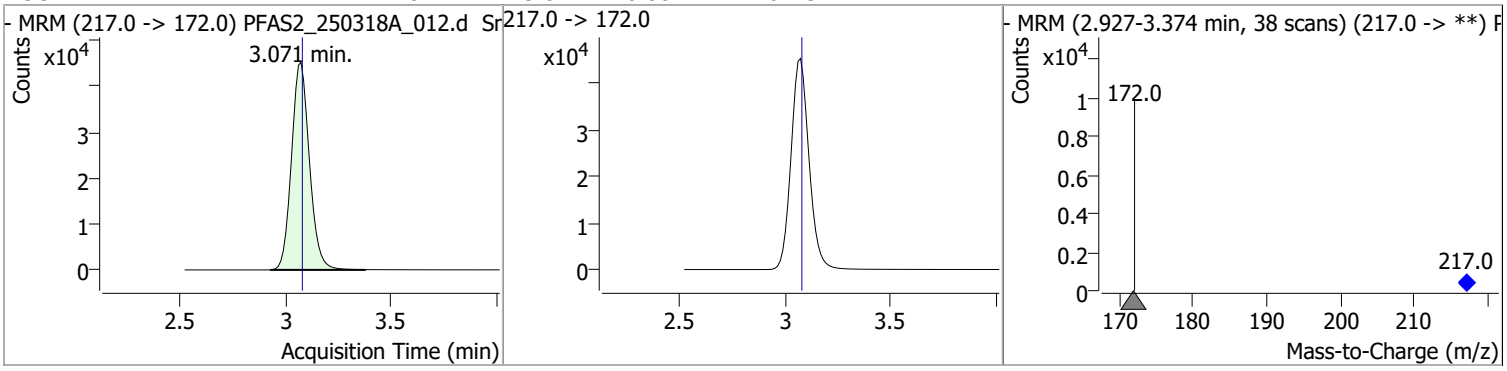
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	116247	5.0000	µg/L		-15.051
13C2-PFHxA	4.890	315.0 -> 270.0	138045	2.5000	µg/L		-10.024
18O2-PFHxS	5.955	403.0 -> 84.0	25905	2.5000	µg/L		-12.572
13C4-PFOA	5.823	417.0 -> 172.0	13926	2.5000	µg/L		-9.849
13C5-PFNA	6.226	468.0 -> 423.0	62059	1.2500	µg/L		-12.805
13C2-PFDA	6.615	515.0 -> 470.0	57101	1.2500	µg/L		-14.618
13C4-PFOS	6.783	503.0 -> 80.0	22104	2.5000	µg/L		-11.262
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	267197	10.0000	µg/L		-14.038
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.15%			
13C5-PFPeA	4.222	268.0 -> 223.0	179855	5.0000	µg/L		-13.079
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.61%			
13C5-PFPeA	4.222	268.0 -> 223.0	179855	5.0000	µg/L		-13.079
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.61%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	18358	5.0000	µg/L	#	-27.338
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.45%			
13C5-PFHxA	4.889	318.0 -> 273.0	150573	2.5000	µg/L		-10.822
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.09%			
13C5-PFHxA	4.889	318.0 -> 273.0	150573	2.5000	µg/L		-10.822
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.09%			
13C3-PFBS	4.917	302.0 -> 80.0	50822	2.5000	µg/L		-16.305
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.83%			
13C3-PFBS	4.917	302.0 -> 80.0	50822	2.5000	µg/L		-16.305
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.83%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	151102	10.0000	µg/L		-13.543
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.09%			
13C4-PFHpA	5.397	367.0 -> 322.0	157608	2.5000	µg/L		-16.560
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.77%			
13C3-PFHxS	5.956	402.0 -> 80.0	29628	2.5000	µg/L		-15.224
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.99%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12372	5.0000	µg/L	#	-16.226
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.92%			
13C8-PFOA	5.823	421.0 -> 376.0	155111	2.5000	µg/L		-10.206
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.62%			
13C3-PFHxS	5.956	402.0 -> 80.0	29628	2.5000	µg/L		-15.224
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.99%			
13C9-PFNA	6.225	472.0 -> 427.0	61156	1.2500	µg/L		-13.210
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.49%			
13C8-PFOS	6.782	507.0 -> 80.0	21482	2.5000	µg/L		-15.037
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.78%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	10793	5.0000	µg/L		-8.883
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.08%			
13C6-PFDA	6.615	519.0 -> 474.0	57594	1.2500	µg/L		-15.253
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.16%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51252	5.0000	µg/L		-8.182

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.35%		
13C8-PFOS	6.782	507.0 -> 80.0	21482	2.5000	µg/L	-15.037
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.78%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36650	5.0000	µg/L	-13.090
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.89%		
13C7-PFUnDA	7.002	570.0 -> 525.0	41982	1.2500	µg/L	-21.680
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.72%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	38567	1.2500	µg/L	-12.577
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.22%		
13C2-PFDoDA	7.367	615.0 -> 570.0	33018	1.2500	µg/L	-17.342
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.82%		
13C2-PFTDA	8.092	715.0 -> 670.0	44116	1.2500	µg/L	-8.635
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 106.68%		
13C8-PFOSA	8.780	506.0 -> 78.0	33769	2.5000	µg/L	-8.635
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.75%		
2H7-MeFOSE	9.853	623.1 -> 59.0	102387	25.0000	µg/L	-18.510
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 91.90%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10093	2.5000	µg/L	-2.660
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 109.43%		
2H9-EtFOSE	10.185	639.1 -> 59.0	56325	25.0000	µg/L	-11.312
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.91%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9100	2.5000	µg/L	-19.038
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.25%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	4749525	202.5340	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 101.27%		
PFMPA	3.614	229.0 -> 85.0	1779570	102.4708	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 102.47%		
3-3 FTCA	3.778	241.0 -> 177.0	138664	199.9695	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.98%		
PFPeA	4.223	263.0 -> 219.0	3443991	103.3499	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.35%		
PFMBA	4.453	279.0 -> 85.0	2606014	103.0815	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.08%		
4-2 FTSA	4.698	327.0 -> 307.0	2005934	179.7889	µg/L	99
Spiked Amount: 187.500	Range: 70 - 130%			Recovery = 95.89%		
NFDHA	4.823	295.0 -> 201.0	104488	94.3535	µg/L	90
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 94.35%		
PFHxA	4.892	313.0 -> 269.0	2827083	52.4702	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 104.94%		
PFBS	4.918	298.9 -> 80.0	934210	44.3006	µg/L	92
Spiked Amount: 44.350	Range: 70 - 130%			Recovery = 99.89%		
HFPO-DA	5.075	285.0 -> 169.0	1450143	108.1713	µg/L	89
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 108.17%		
PFEESA	5.201	314.9 -> 135.0	5624320	87.0493	µg/L	99
Spiked Amount: 89.000	Range: 70 - 130%			Recovery = 97.81%		
PFHpA	5.398	363.0 -> 319.0	3145672	51.5765	µg/L	98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.15%		
5-3 FTCA	5.447	341.0 -> 237.0	4587773	989.4644	µg/L	94
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 98.95%		
PFPeS	5.494	348.9 -> 80.0	826682	51.6760	µg/L	87
Spiked Amount: 47.050	Range: 70 - 130%			Recovery = 109.83%		
DONA	5.551	377.0 -> 251.0	8628745	96.5789	µg/L	100
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 102.20%		

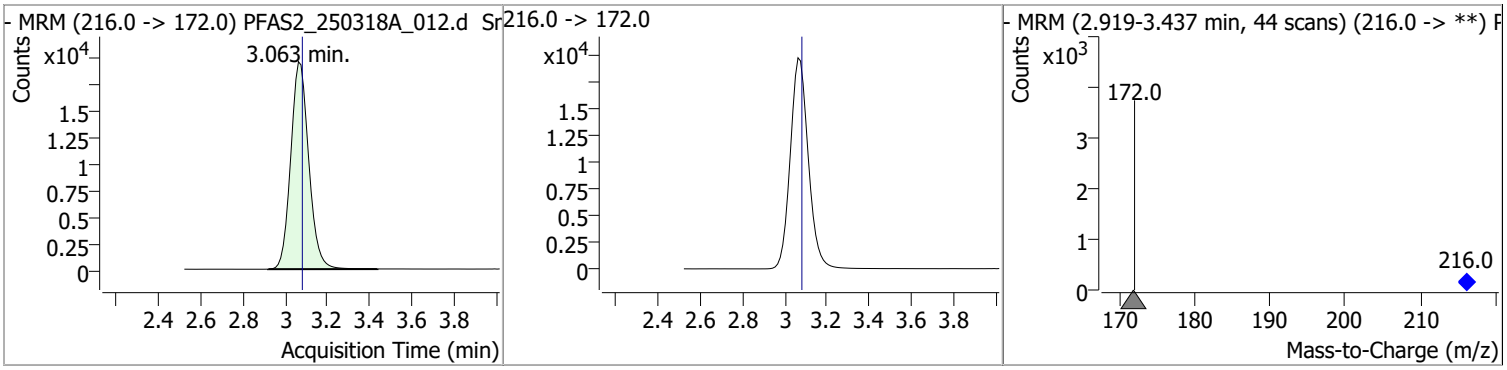
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	1435022	186.3937	µg/L		90
Spiked Amount: 190.000	Range: 70 - 130%			Recovery = 98.10%			
PFOA	5.824	413.0 -> 369.0	3171495	51.5766	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.15%			
PFHxS	5.957	398.9 -> 80.0	566205	49.1325	µg/L		91
Spiked Amount: 45.700	Range: 70 - 130%			Recovery = 107.51%			
PFNA	6.226	463.0 -> 419.0	2393956	50.1428	µg/L		98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 100.29%			
PFHpS	6.382	448.9 -> 80.0	423591	47.4074	µg/L		92
Spiked Amount: 47.650	Range: 70 - 130%			Recovery = 99.49%			
8-2 FTSA	6.436	527.0 -> 507.0	782452	189.4178	µg/L	#	72
Spiked Amount: 192.000	Range: 70 - 130%			Recovery = 98.66%			
7-3 FTCA	6.597	441.0 -> 317.0	3663404	1000.6258	µg/L		94
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 100.06%			
PFDA	6.615	513.0 -> 469.0	2205334	49.5689	µg/L		92
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.14%			
N-MeFOSAA	6.742	570.0 -> 419.0	452332	49.9996	µg/L		99
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 100.00%			
PFOS	6.784	498.9 -> 80.0	405313	46.8474	µg/L		97
Spiked Amount: 46.400	Range: 70 - 130%			Recovery = 100.96%			
N-EtFOSAA	6.953	584.0 -> 419.0	352049	50.7697	µg/L		91
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 101.54%			
PFUnDA	7.003	563.0 -> 519.0	1559305	49.8769	µg/L		93
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.75%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	3927359	94.6978	µg/L		91
Spiked Amount: 93.500	Range: 70 - 130%			Recovery = 101.28%			
PFNS	7.159	548.9 -> 80.0	365183	49.8339	µg/L		90
Spiked Amount: 48.100	Range: 70 - 130%			Recovery = 103.60%			
PFDoDA	7.368	613.0 -> 569.0	1209470	49.9677	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.94%			
PFDS	7.537	598.9 -> 80.0	279083	50.9709	µg/L		95
Spiked Amount: 48.250	Range: 70 - 130%			Recovery = 105.64%			
PFTrDA	7.736	663.0 -> 619.0	1337573	46.0293	µg/L		94
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 92.06%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1819498	90.9094	µg/L		96
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 96.20%			
PFTDA	8.093	712.9 -> 669.0	1315861	48.7268	µg/L		97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 97.45%			
PFDoS	8.240	698.9 -> 80.0	139410	36.4118	µg/L		96
Spiked Amount: 48.500	Range: 70 - 130%			Recovery = 75.08%			
PFOSA	8.771	497.9 -> 78.0	579477	49.3745	µg/L		98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 98.75%			
MeFOSE	9.878	616.0 -> 59.0	1473791	494.8041	µg/L		100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 98.96%			
N-MeFOSA	9.992	512.0 -> 219.0	183873	48.4347	µg/L		88
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 96.87%			
EtFOSE	10.210	630.0 -> 59.0	935741	491.7967	µg/L		100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 98.36%			
N-EtFOSA	10.323	526.0 -> 219.0	179021	51.0017	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 102.00%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

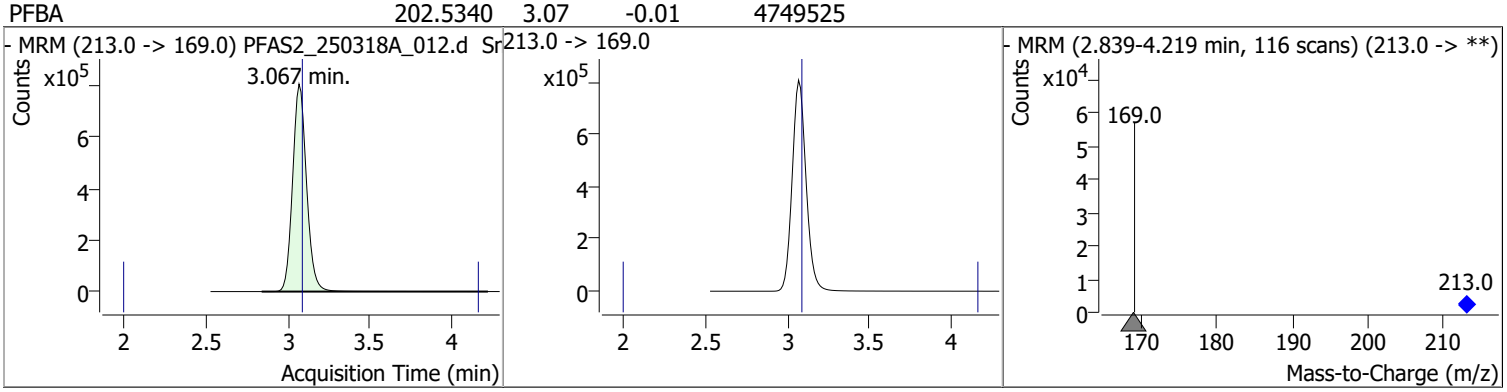
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.1147	3.07	0.00	267197				



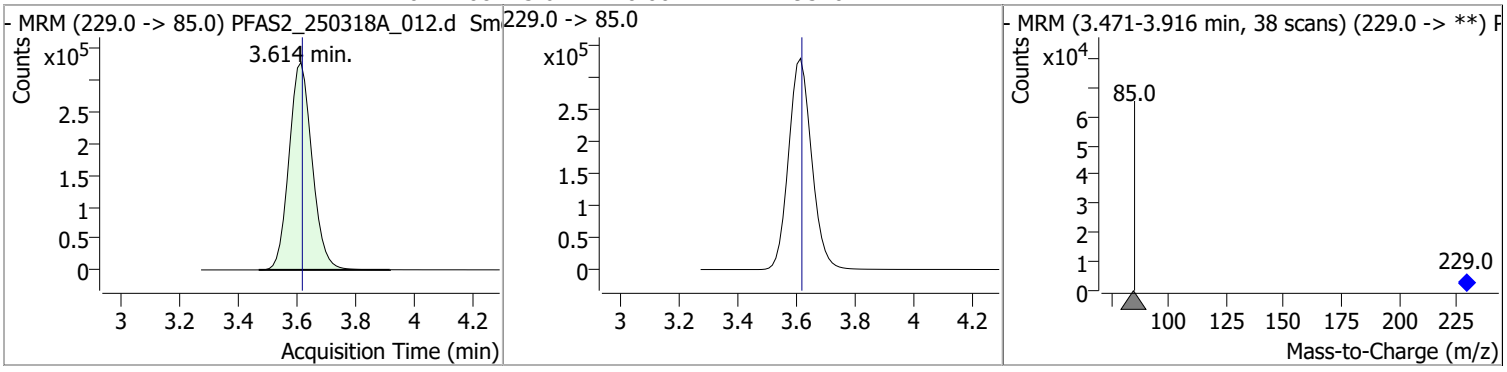
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	116247				



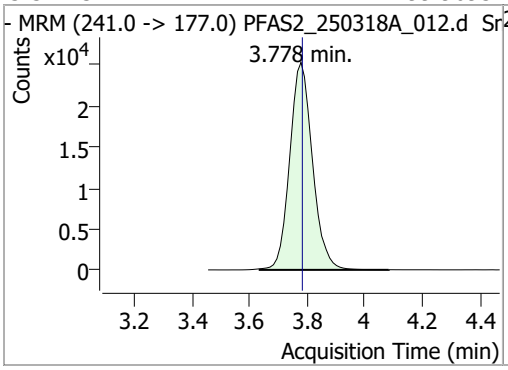
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	202.5340	3.07	-0.01	4749525				

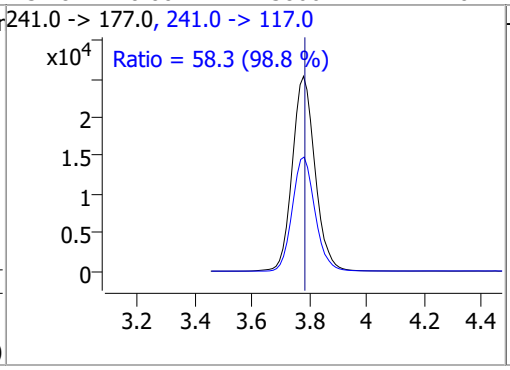


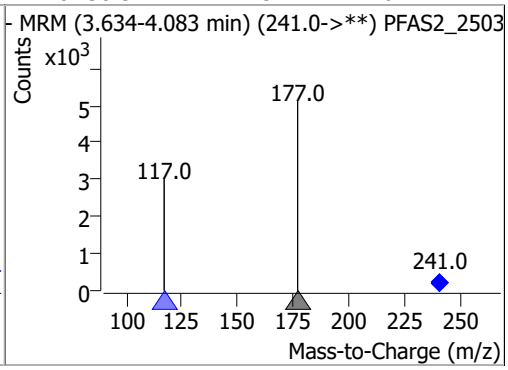
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	102.4708	3.61	0.00	1779570				



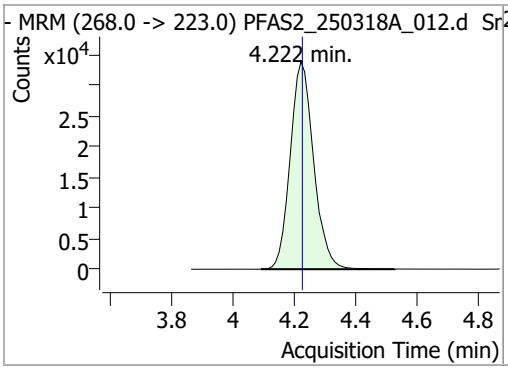
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	199.9695	3.78	0.00	138664	241.0 -> 117.0	58.3	41.3	76.7

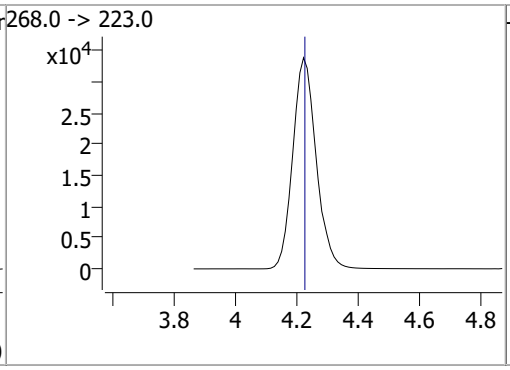


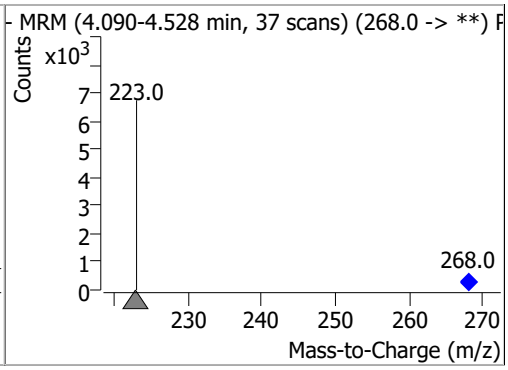




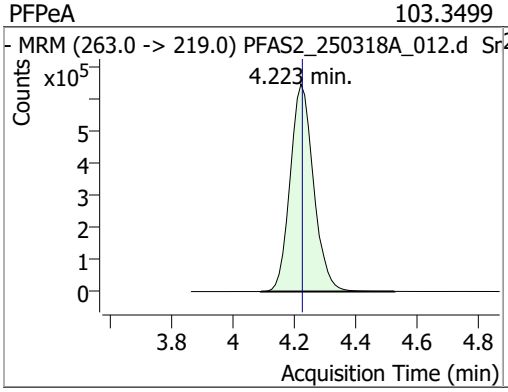
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8305	4.22	0.00	179855				

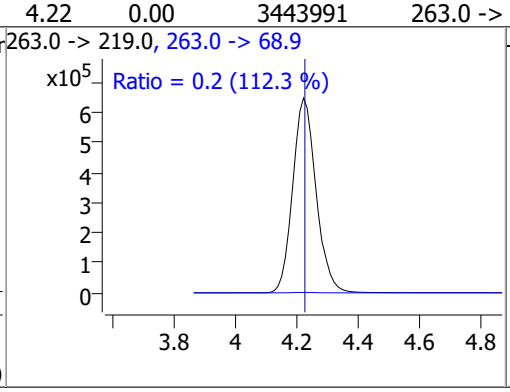


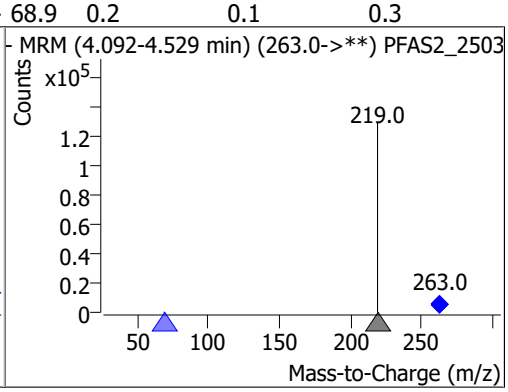




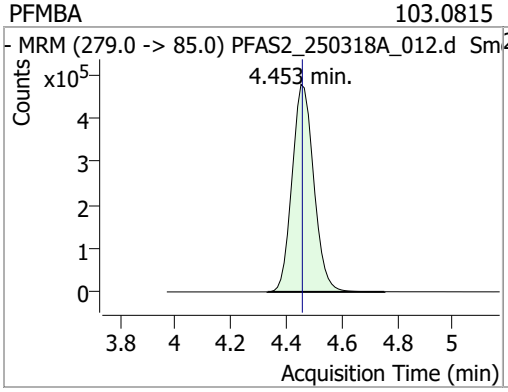
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	103.3499	4.22	0.00	3443991	263.0 -> 68.9	0.2	0.1	0.3

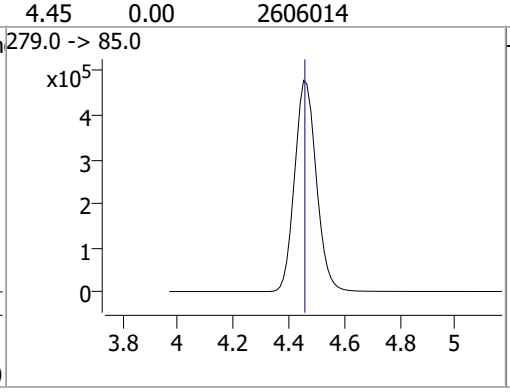


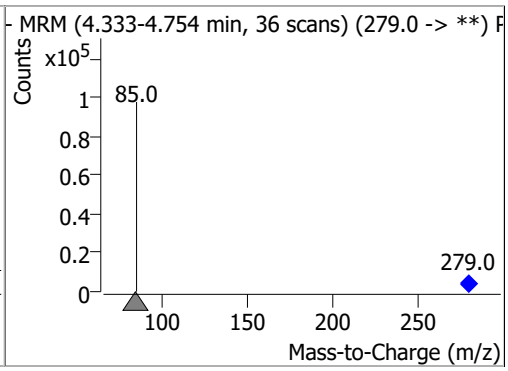




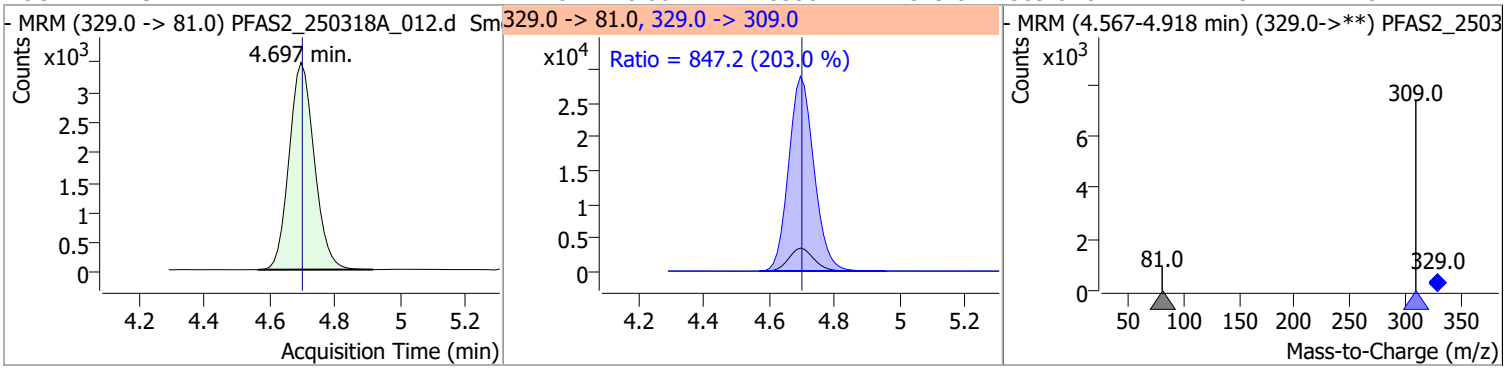
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	103.0815	4.45	0.00	2606014				



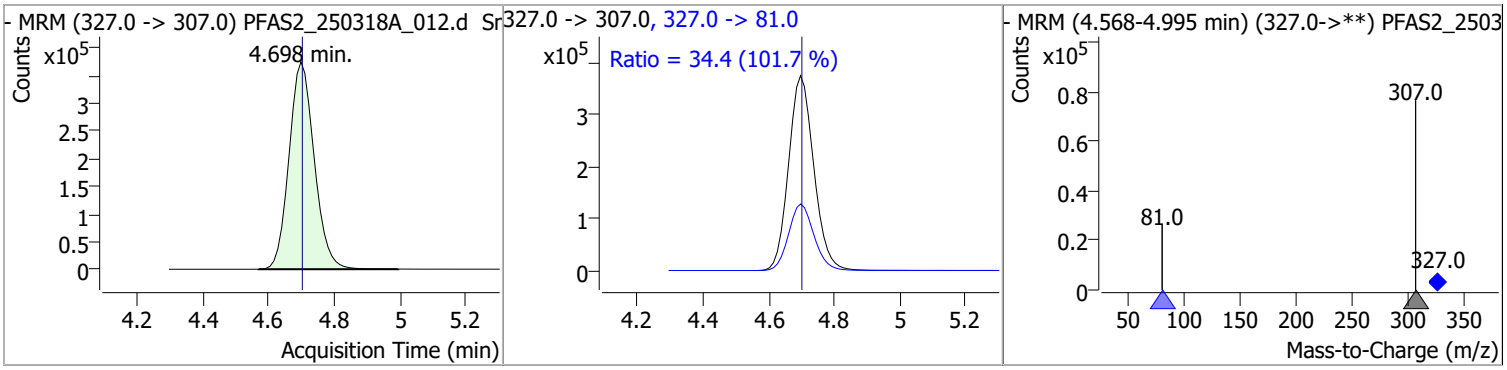




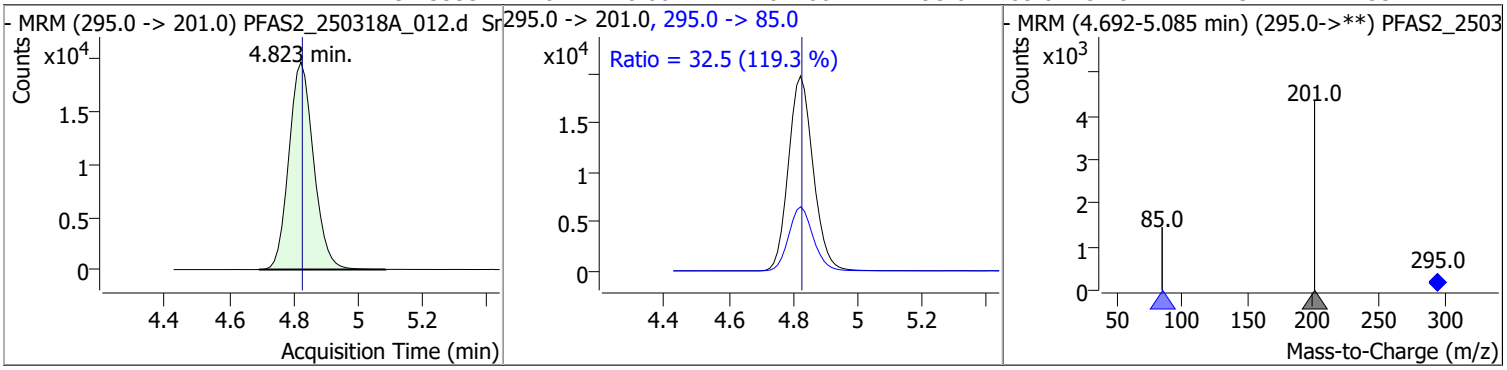
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1724	4.70	0.00	18358	329.0 -> 309.0	847.2	292.1	542.4



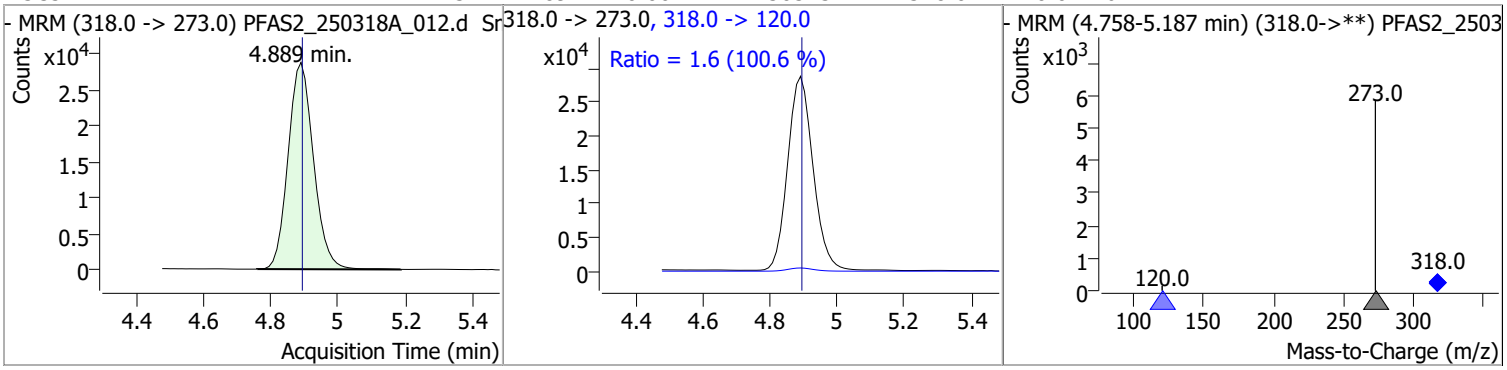
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	179.7889	4.70	0.00	2005934	327.0 -> 81.0	34.4	23.6	43.9



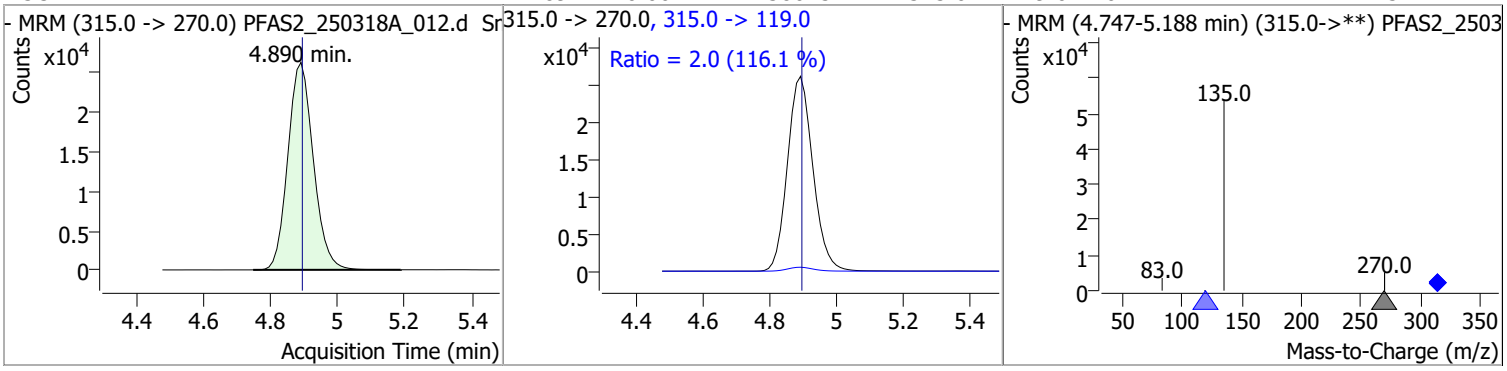
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	94.3535	4.82	0.00	104488	295.0 -> 85.0	32.5	19.1	35.4



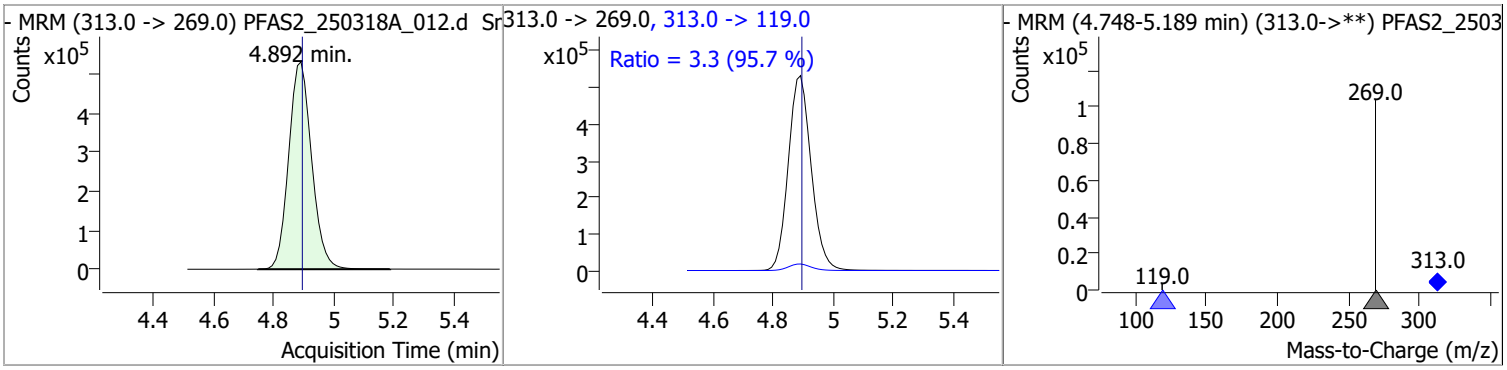
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4773	4.89	0.00	150573	318.0 -> 120.0	1.6	1.1	2.1



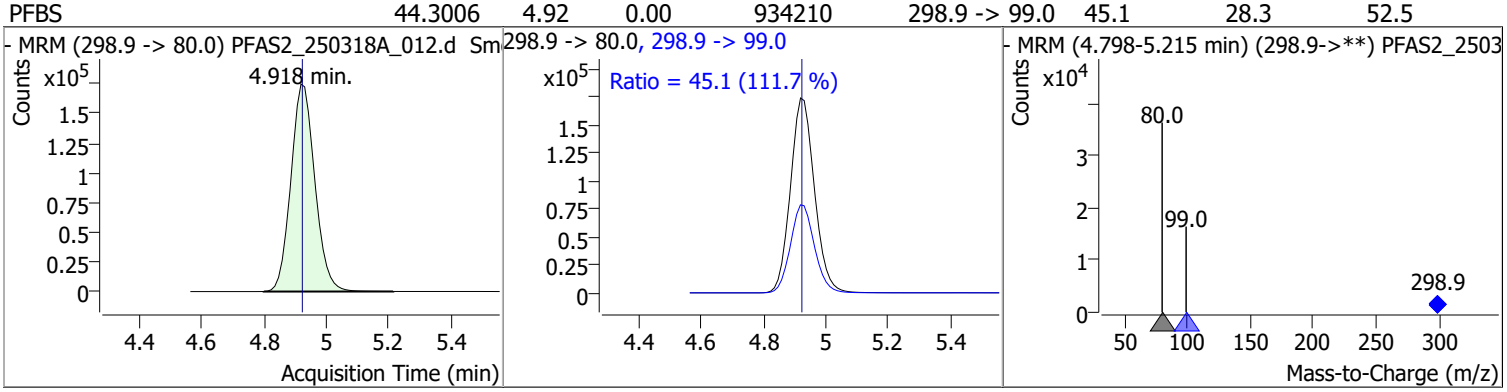
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	138045	315.0 -> 119.0	2.0	1.2	2.3



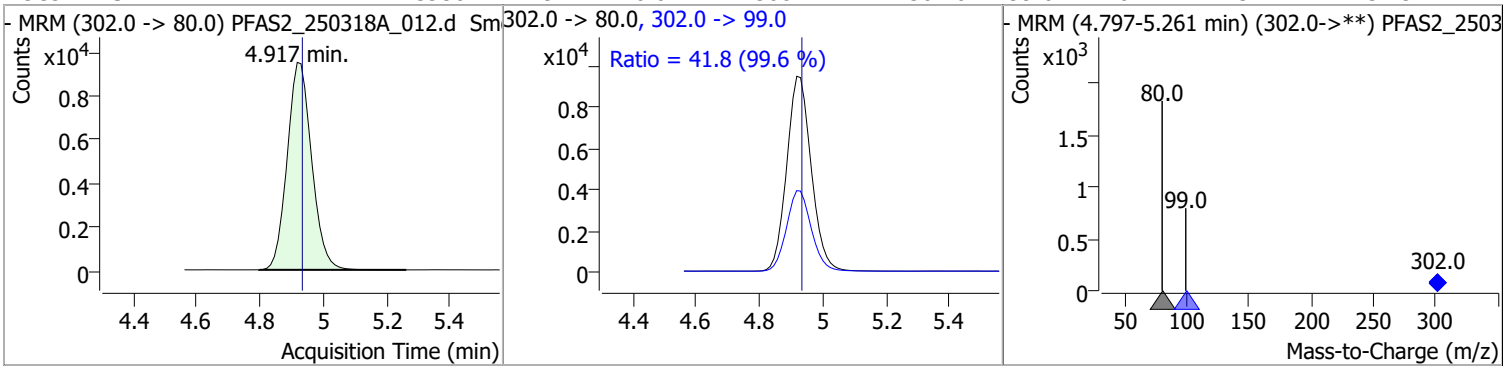
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	52.4702	4.89	0.00	2827083	313.0 -> 119.0	3.3	2.4	4.5



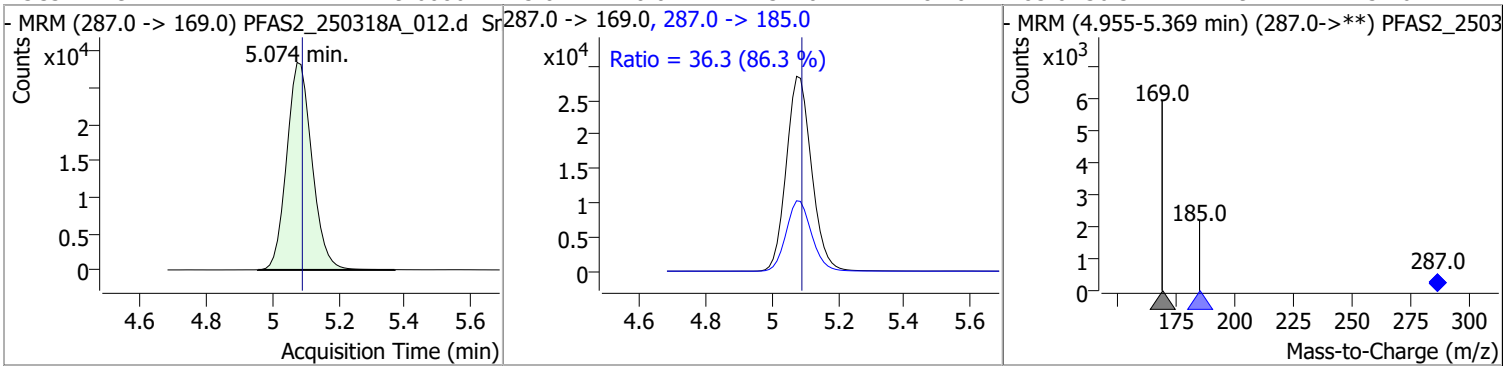
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	44.3006	4.92	0.00	934210	298.9 -> 99.0	45.1	28.3	52.5



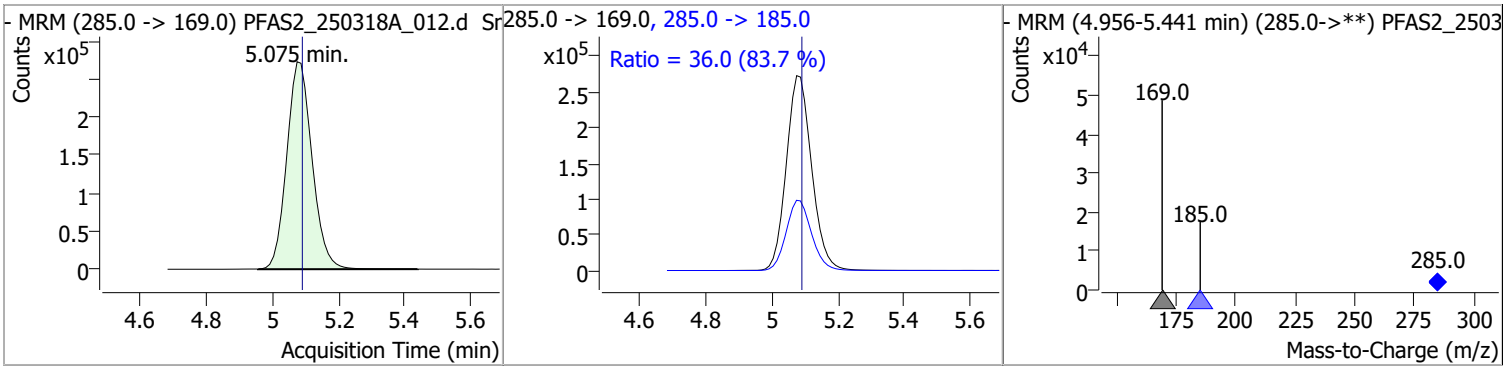
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3958	4.92	-0.01	50822	302.0 -> 99.0	41.8	29.4	54.5



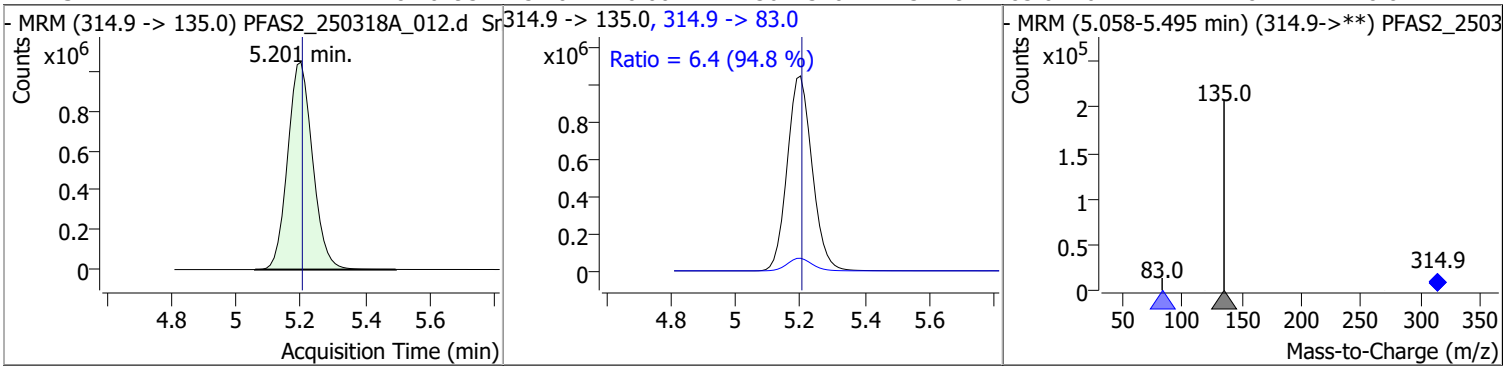
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6086	5.07	-0.01	151102	287.0 -> 185.0	36.3	29.4	54.6



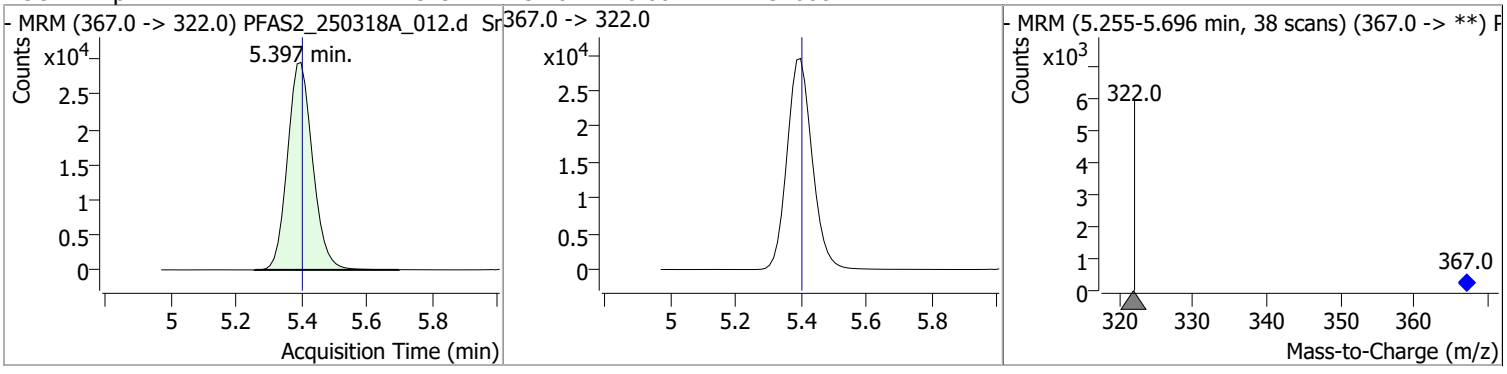
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	108.1713	5.07	-0.01	1450143	285.0 -> 185.0	36.0	30.1	56.0



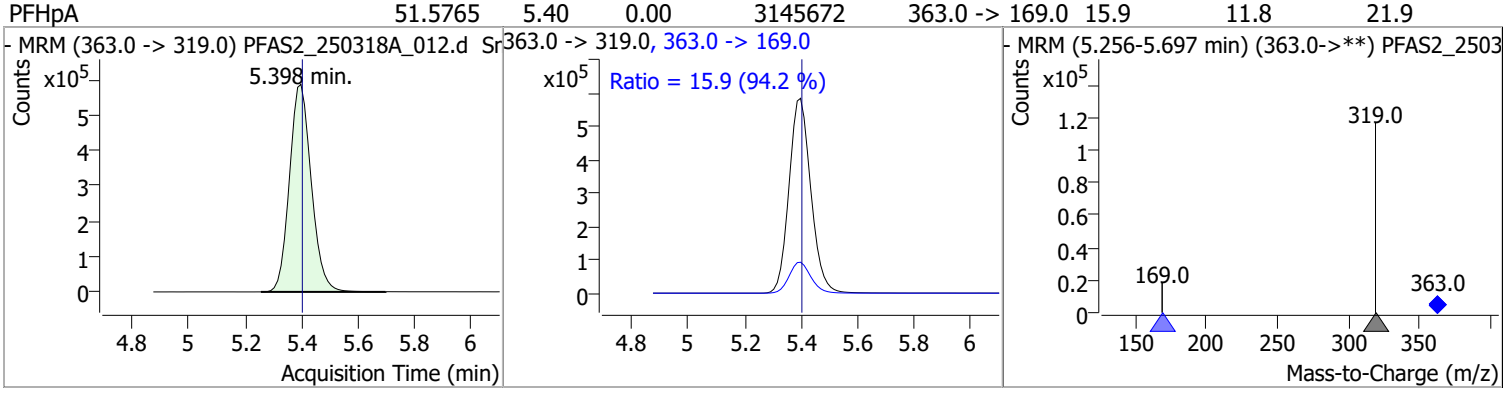
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	87.0493	5.20	0.00	5624320	314.9 -> 83.0	6.4	4.8	8.8



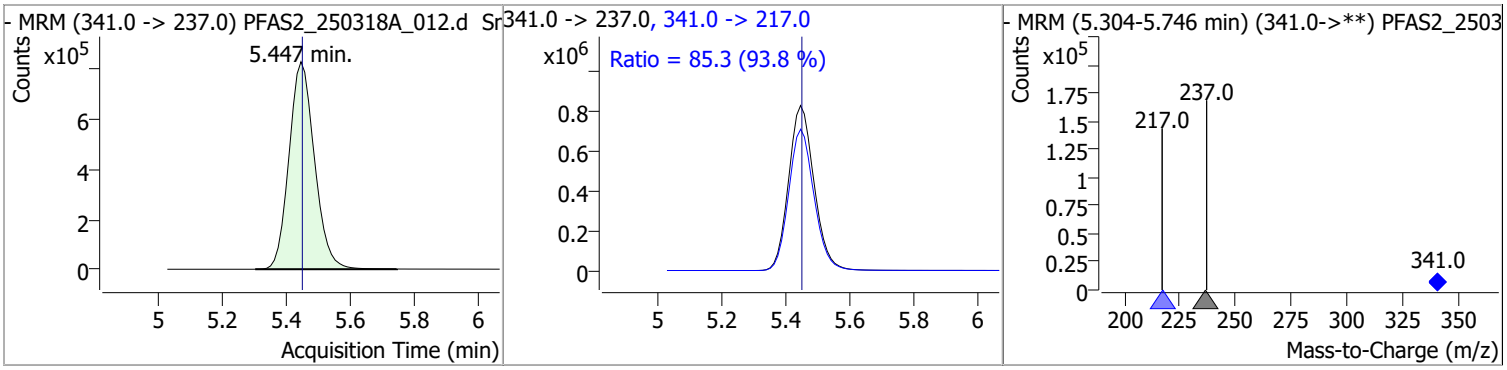
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3191	5.40	0.00	157608				



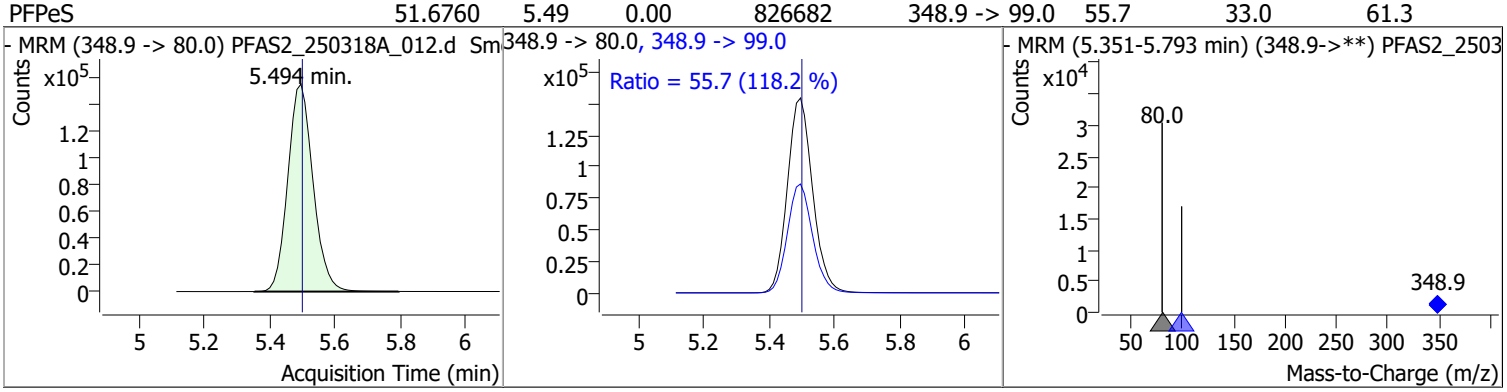
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	51.5765	5.40	0.00	3145672	363.0 -> 169.0	15.9	11.8	21.9



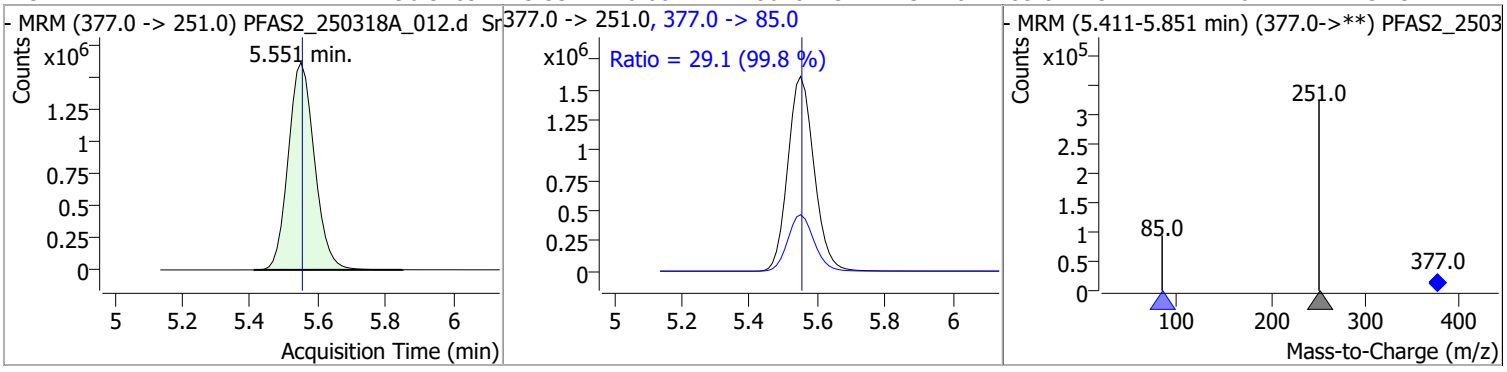
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	989.4644	5.45	0.00	4587773	341.0 -> 217.0	85.3	63.6	118.1



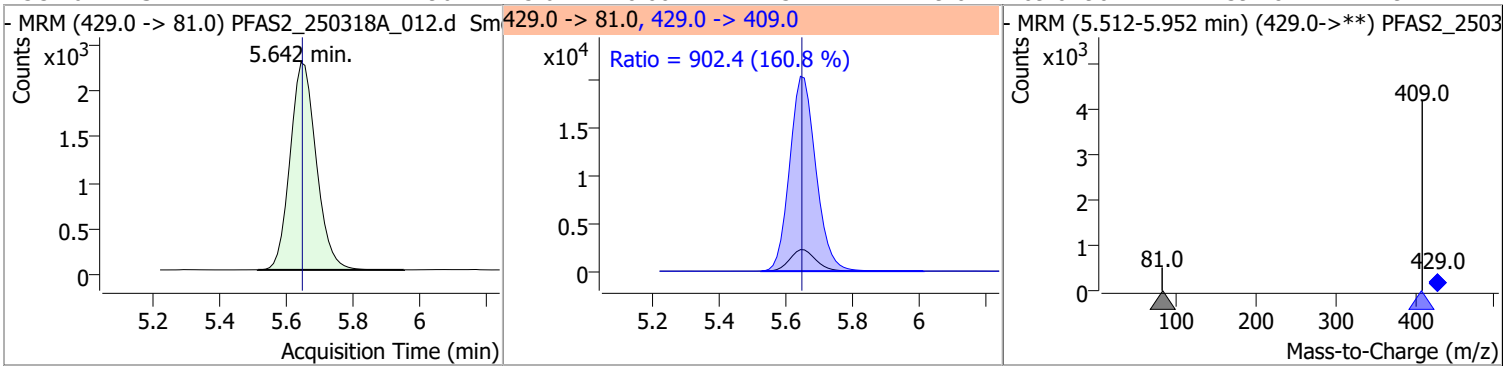
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	51.6760	5.49	0.00	826682	348.9 -> 99.0	55.7	33.0	61.3



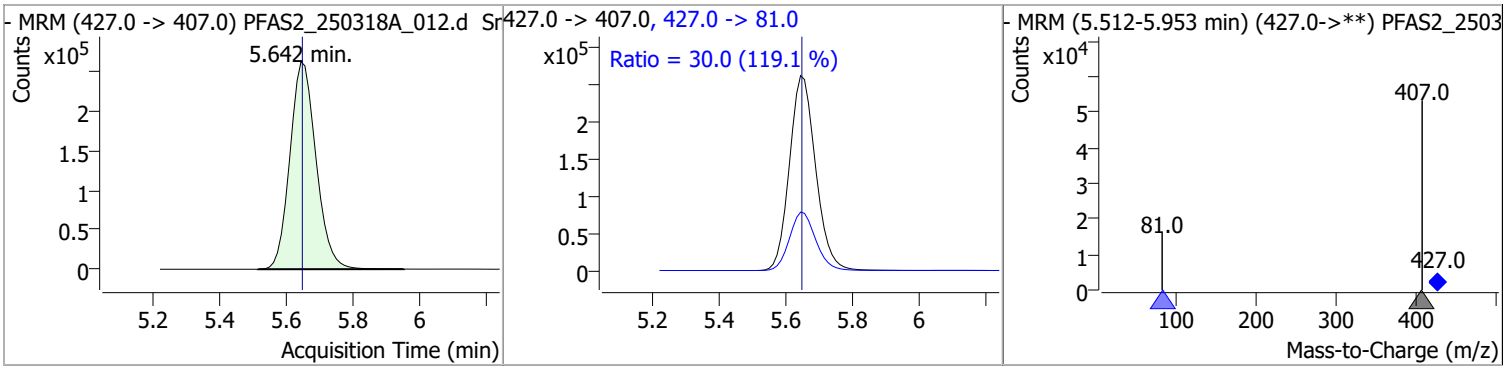
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	96.5789	5.55	0.00	8628745	377.0 -> 85.0	29.1	20.4	37.9



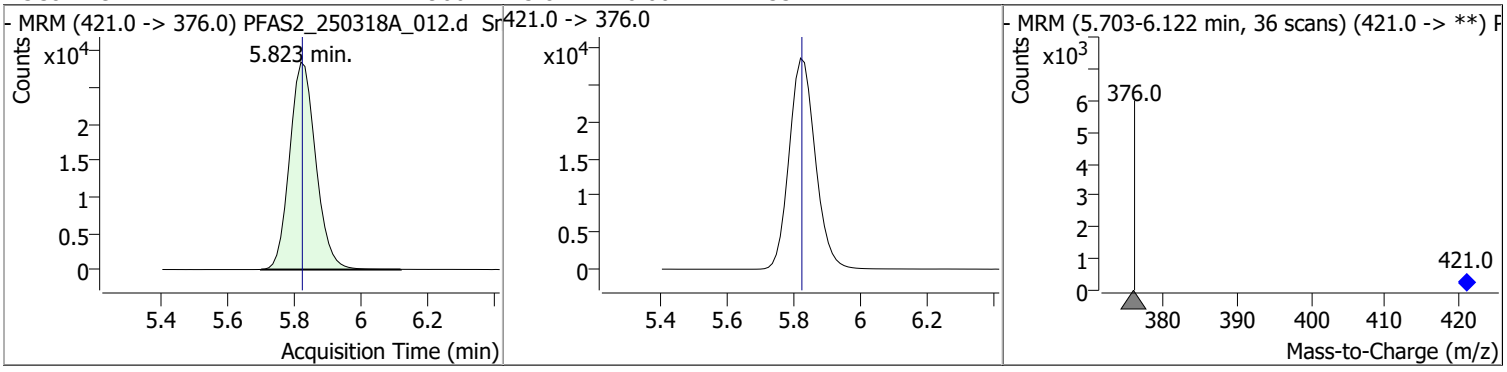
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7962	5.64	0.00	12372	429.0 -> 409.0	902.4	392.8	729.4



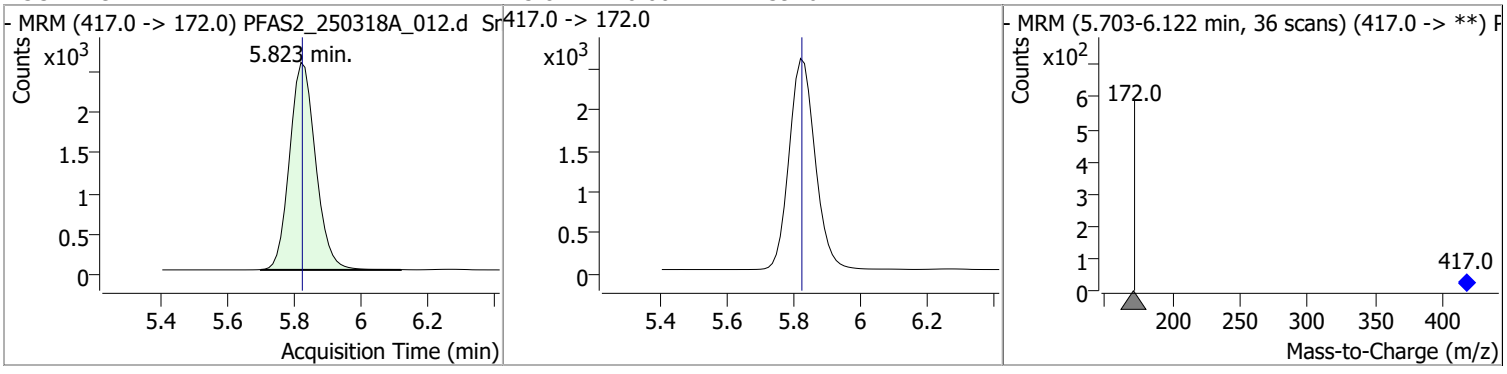
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	186.3937	5.64	0.00	1435022	427.0 -> 81.0	30.0	17.7	32.8



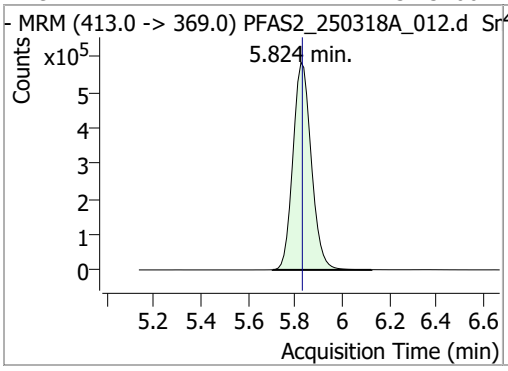
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4906	5.82	0.00	155111				

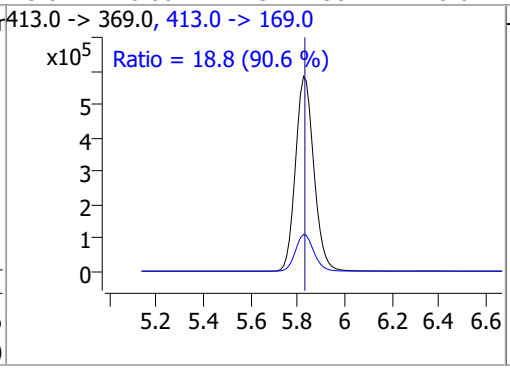


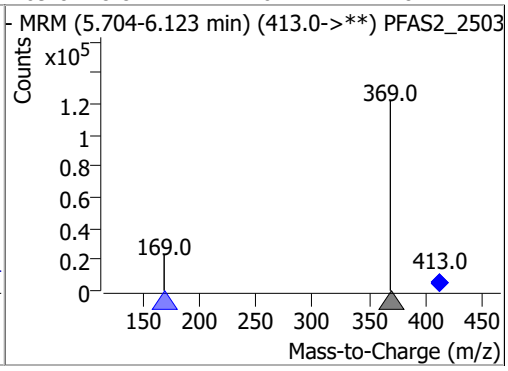
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13926				



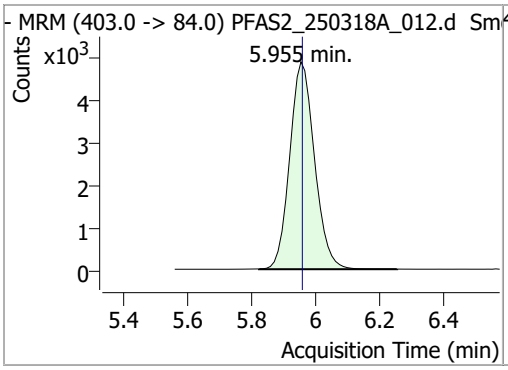
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	51.5766	5.82	0.00	3171495	413.0 -> 169.0	18.8	14.6	27.0

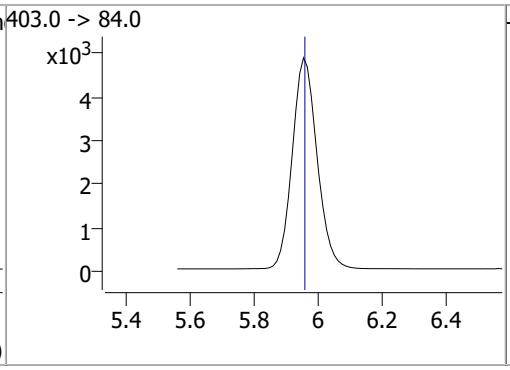


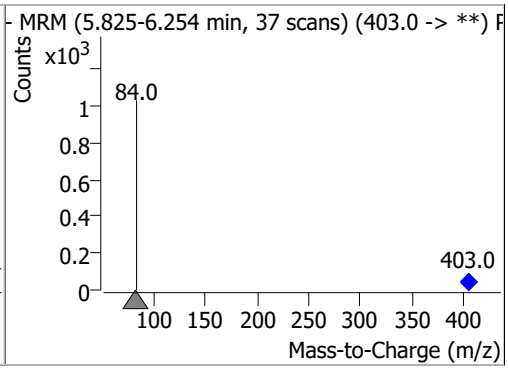




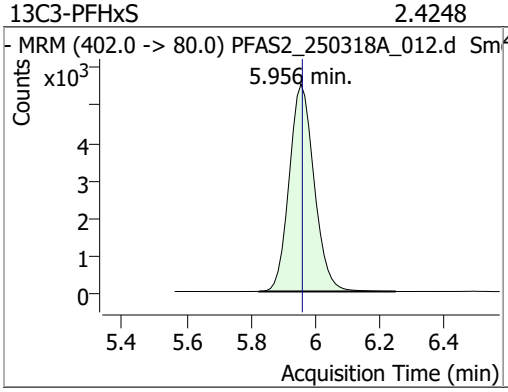
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25905				

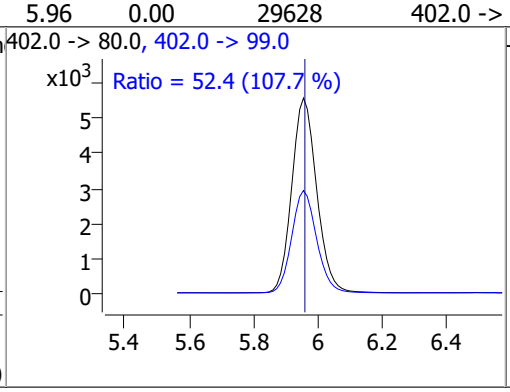


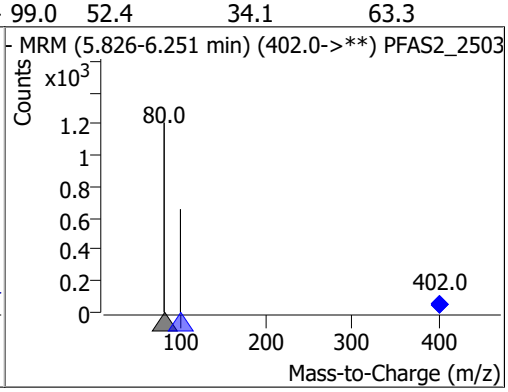




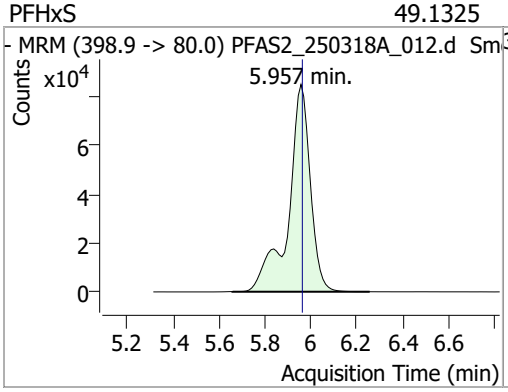
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4248	5.96	0.00	29628	402.0 -> 99.0	52.4	34.1	63.3

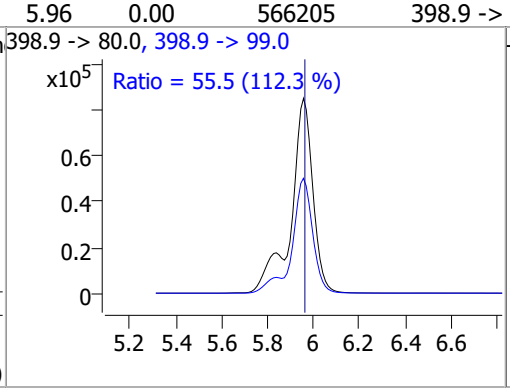


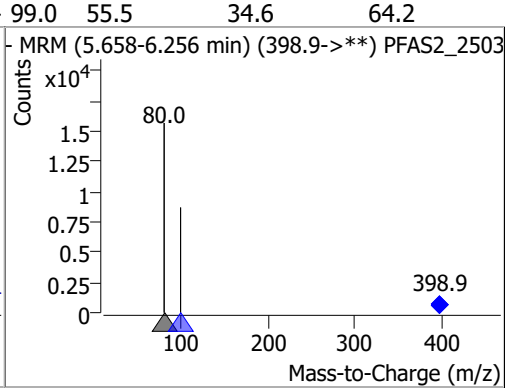




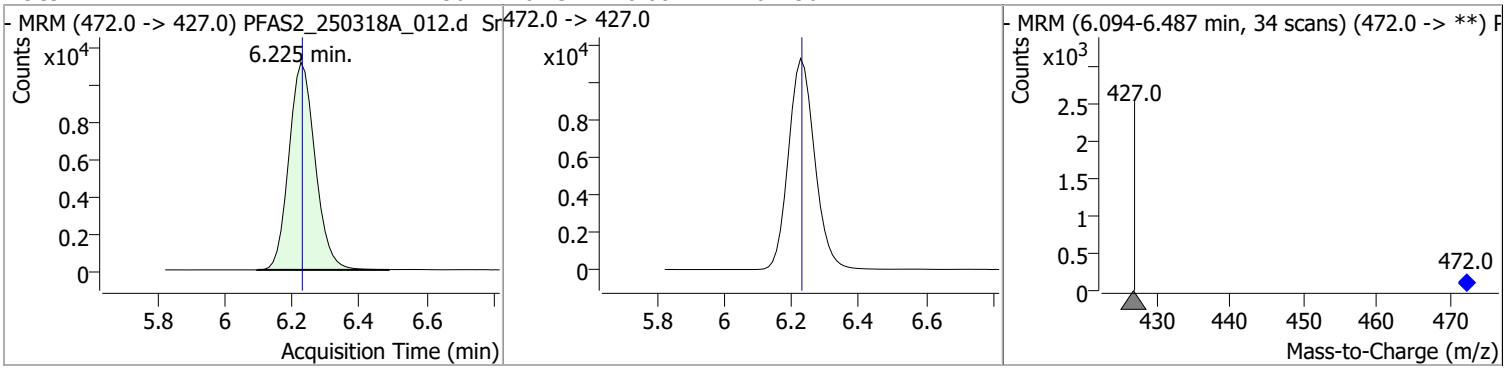
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	49.1325	5.96	0.00	566205	398.9 -> 99.0	55.5	34.6	64.2



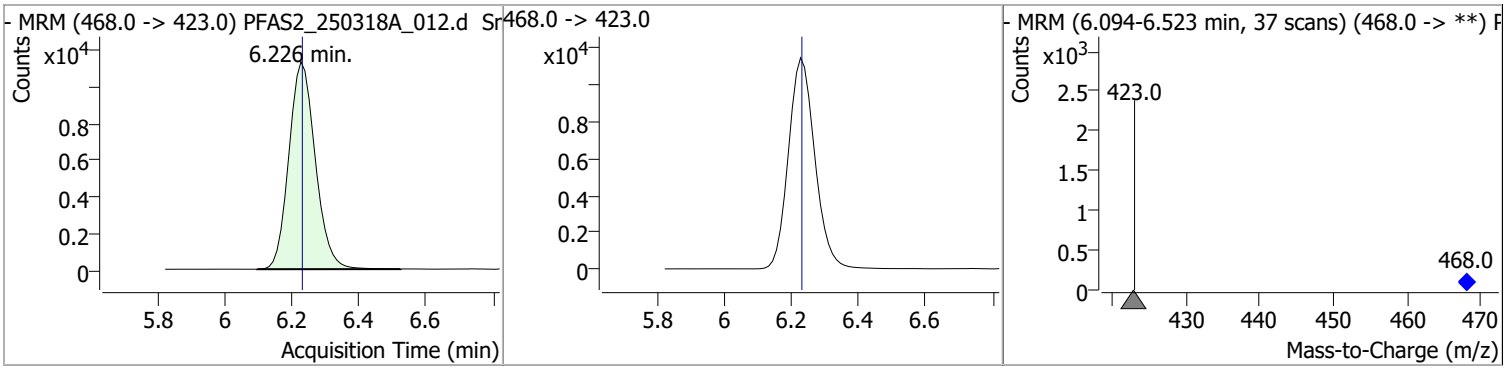




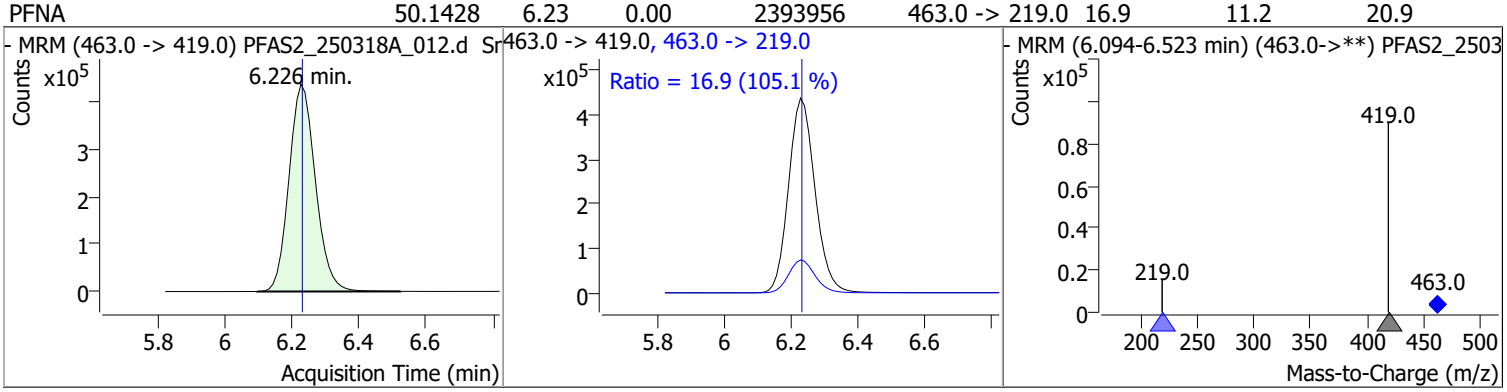
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2436	6.23	0.00	61156				



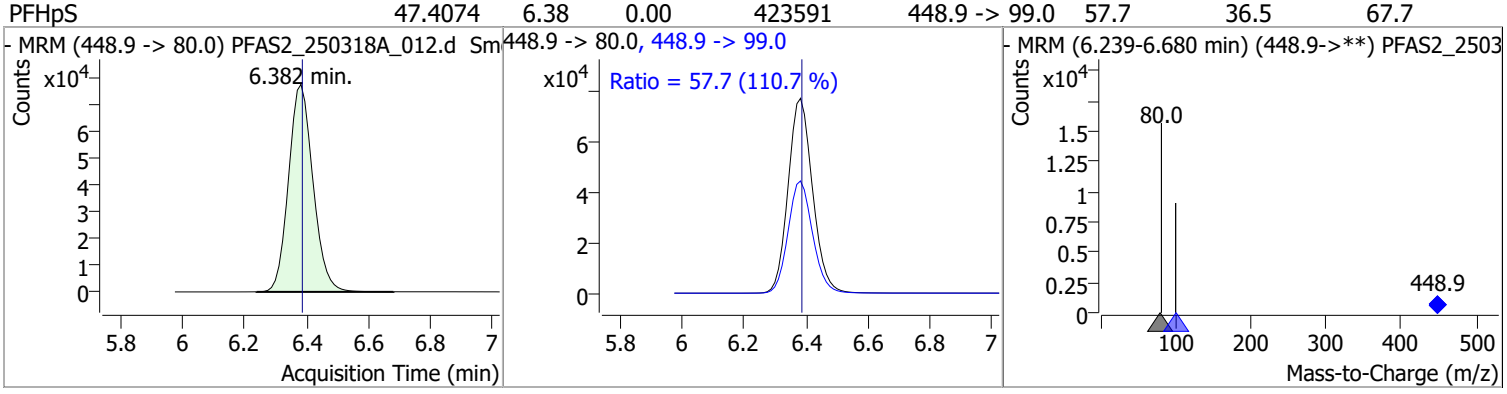
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	62059				



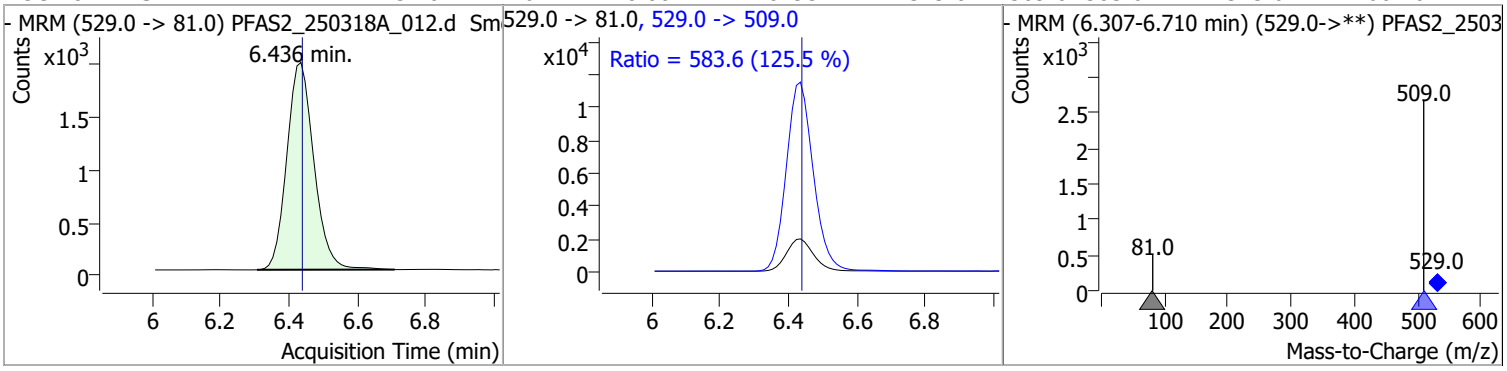
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	50.1428	6.23	0.00	2393956	463.0 -> 219.0	16.9	11.2	20.9



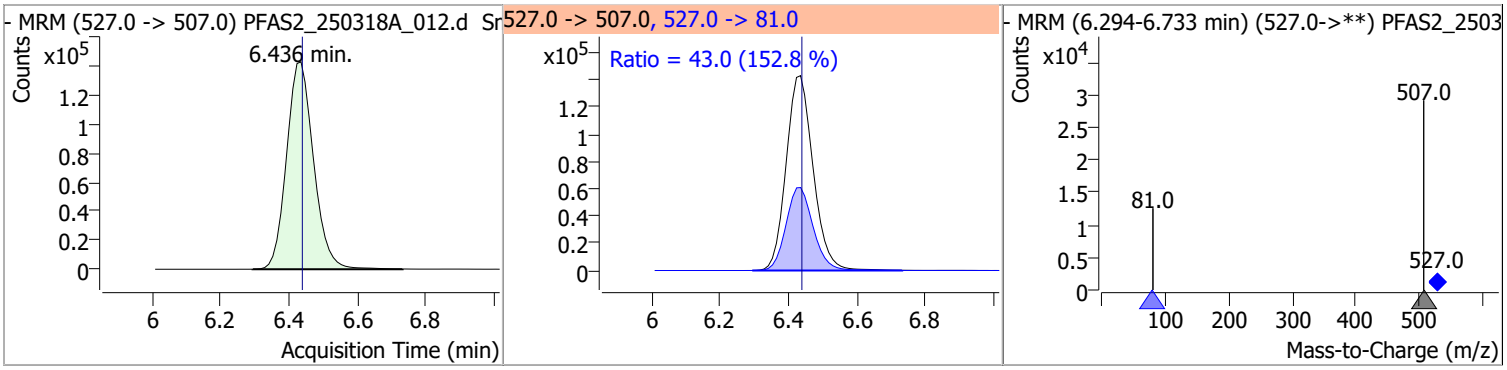
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	47.4074	6.38	0.00	423591	448.9 -> 99.0	57.7	36.5	67.7



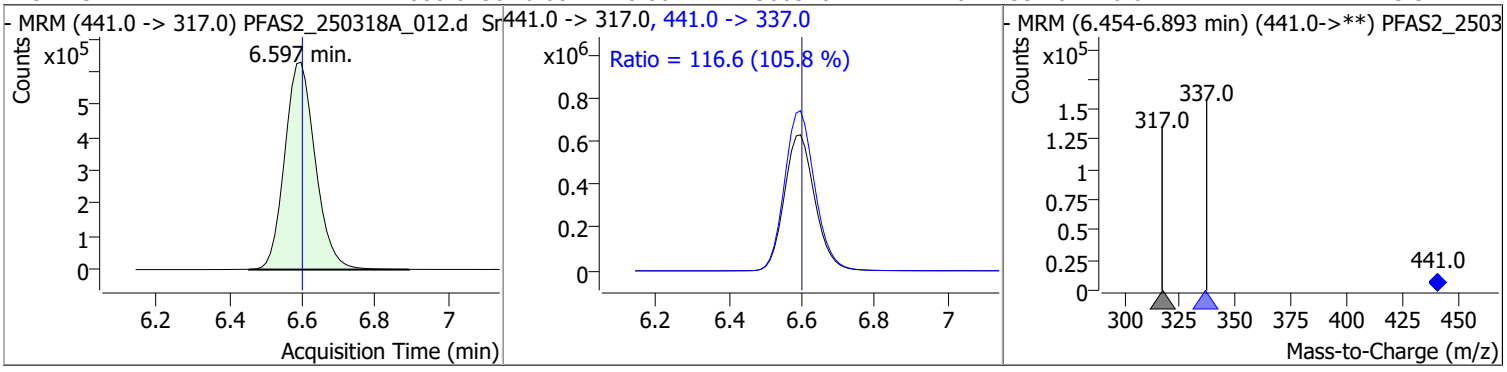
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2042	6.44	0.00	10793	529.0 -> 509.0	583.6	325.6	604.6



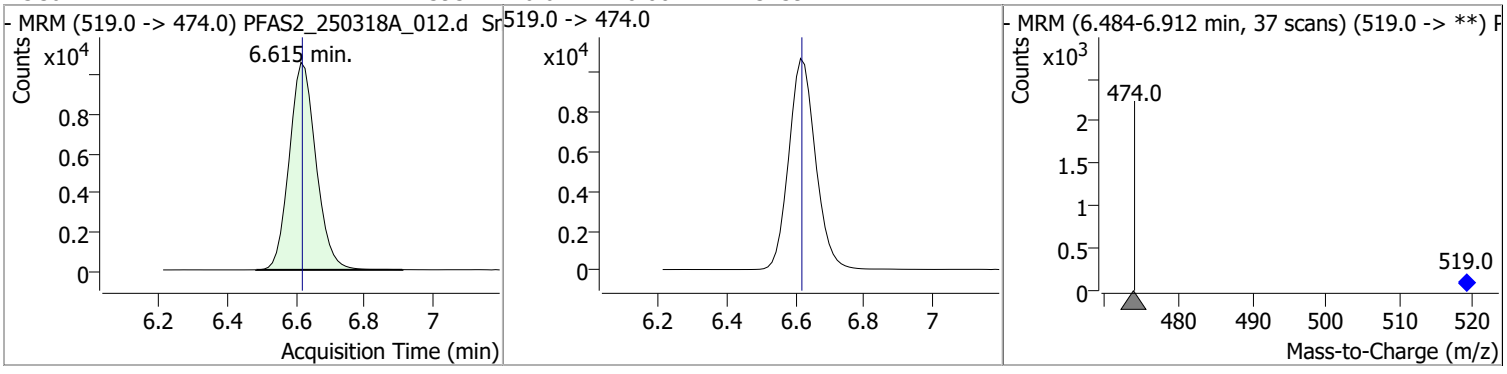
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	189.4178	6.44	0.00	782452	527.0 -> 81.0	43.0	19.7	36.6



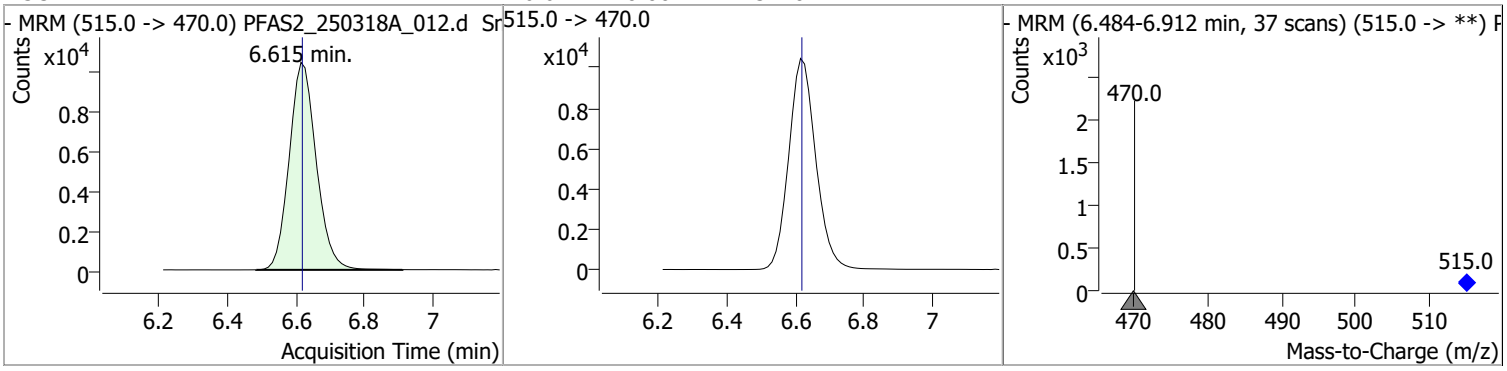
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	1000.6258	6.60	0.00	3663404	441.0 -> 337.0	116.6	77.1	143.3



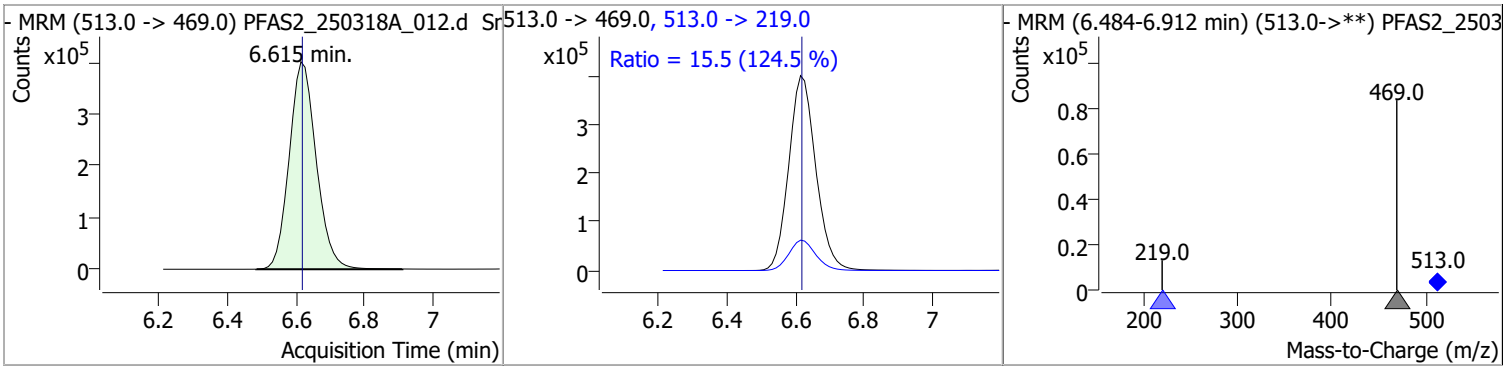
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2395	6.61	0.00	57594				



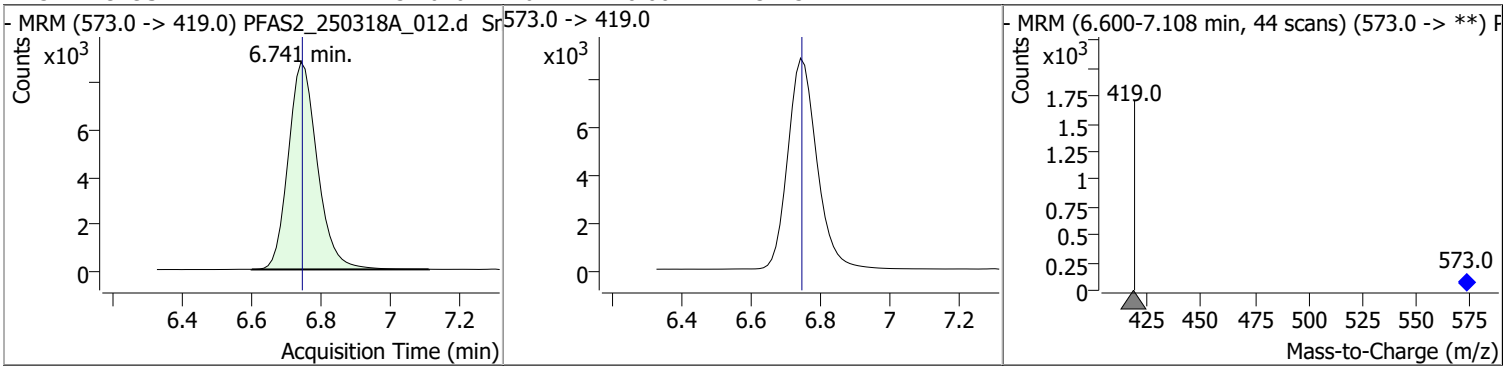
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	57101				



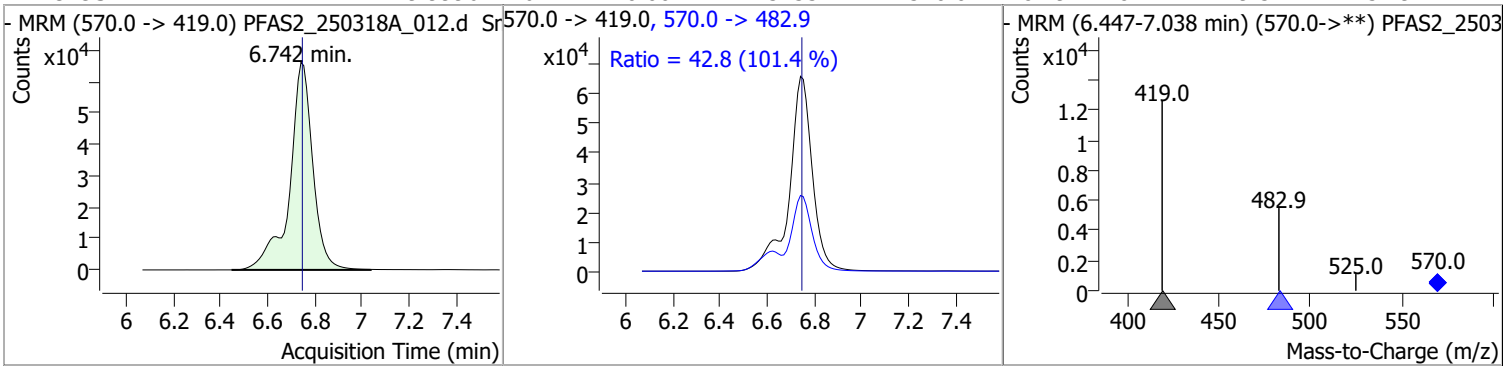
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	49.5689	6.62	0.00	2205334	513.0 -> 219.0	15.5	8.7	16.2



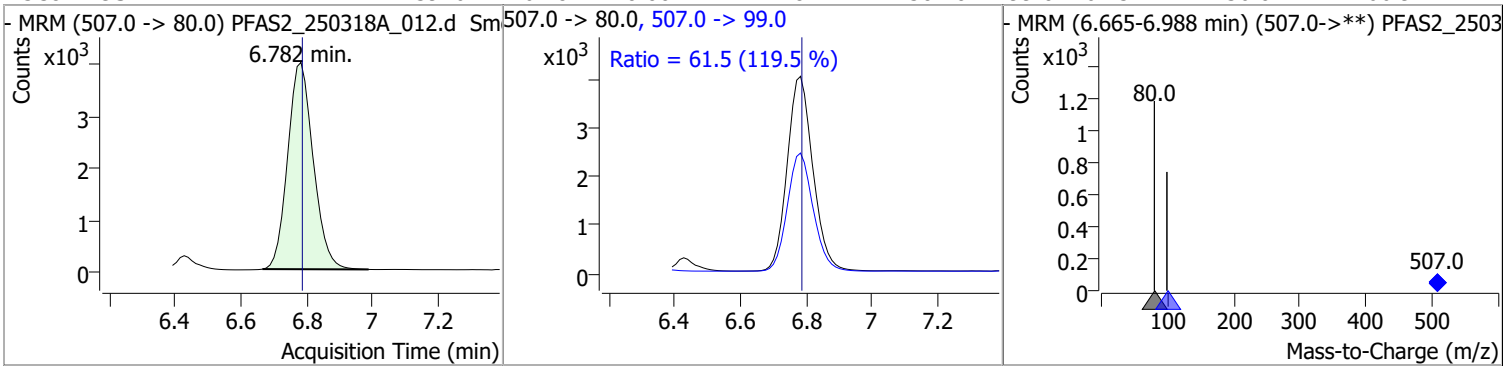
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1676	6.74	0.00	51252				



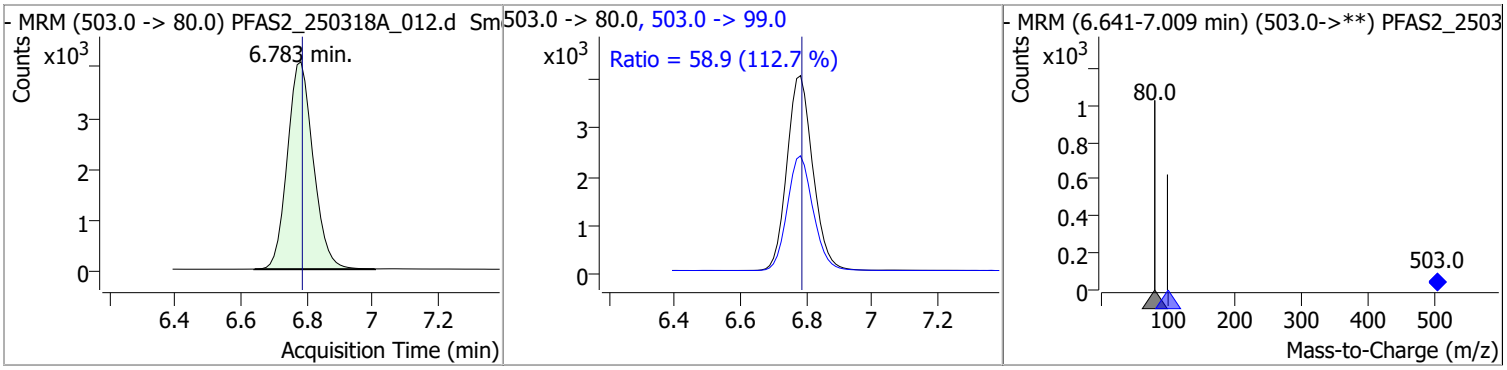
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	49.9996	6.74	0.00	452332	570.0 -> 482.9	42.8	29.5	54.9



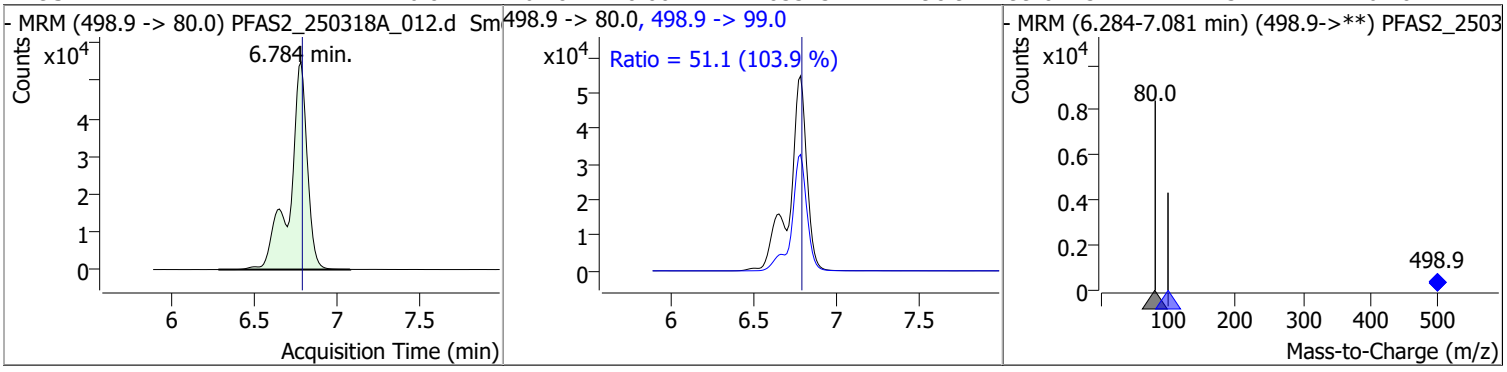
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3946	6.78	0.00	21482	507.0 -> 99.0	61.5	36.0	66.9



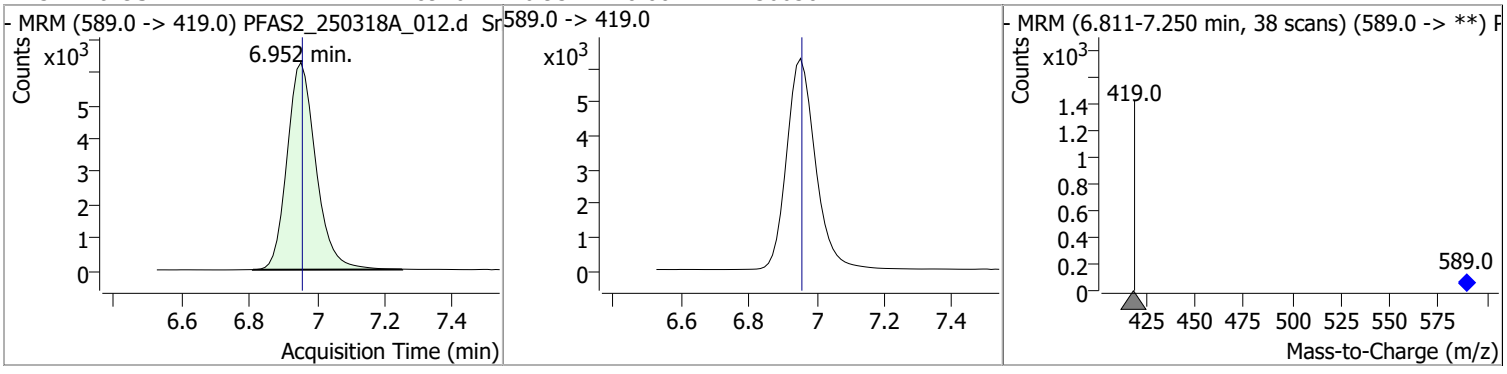
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	22104	503.0 -> 99.0	58.9	36.6	67.9



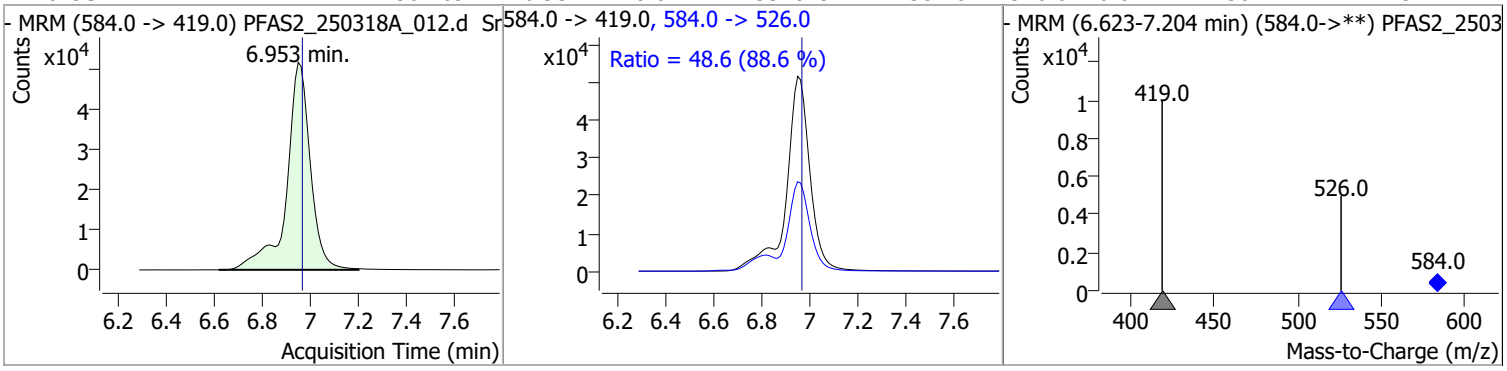
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	46.8474	6.78	0.00	405313	498.9 -> 99.0	51.1	34.4	64.0



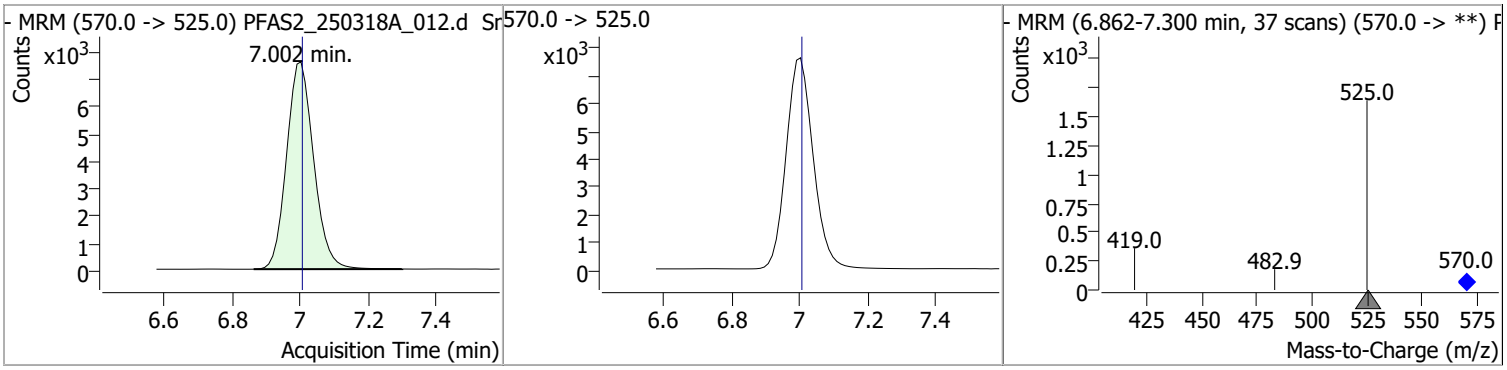
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8946	6.95	0.00	36650				



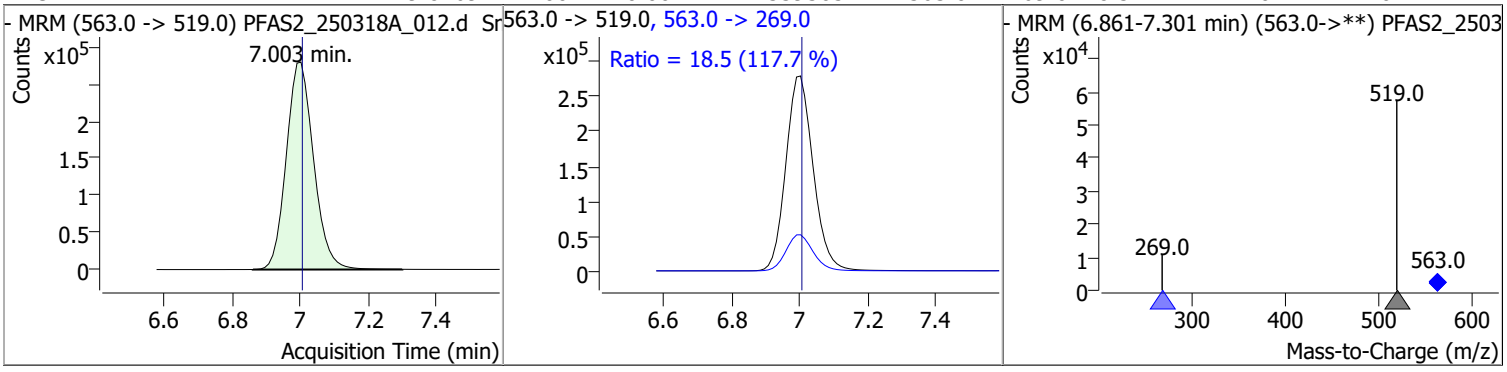
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	50.7697	6.95	-0.01	352049	584.0 -> 526.0	48.6	38.4	71.3



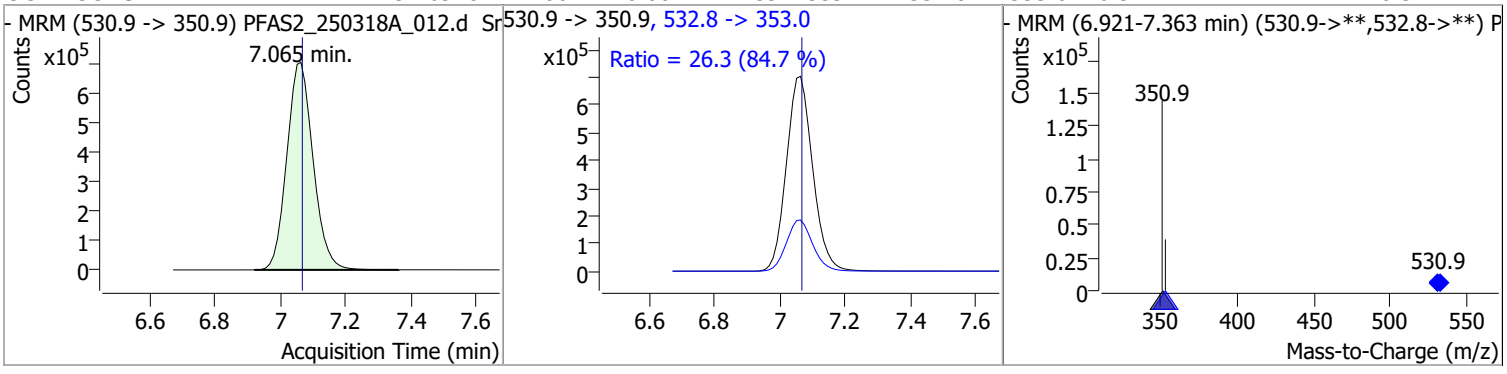
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1465	7.00	0.00	41982				



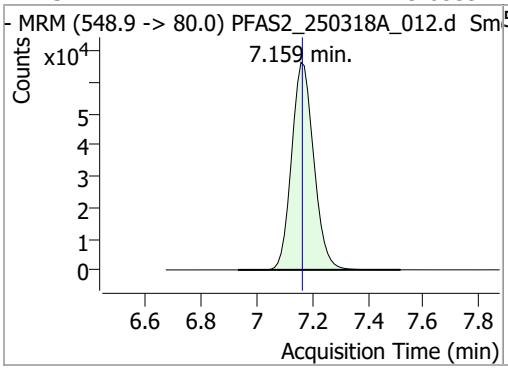
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	49.8769	7.00	0.00	1559305	563.0 -> 269.0	18.5	11.0	20.4

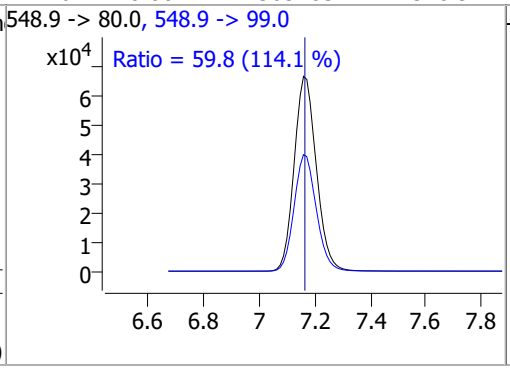


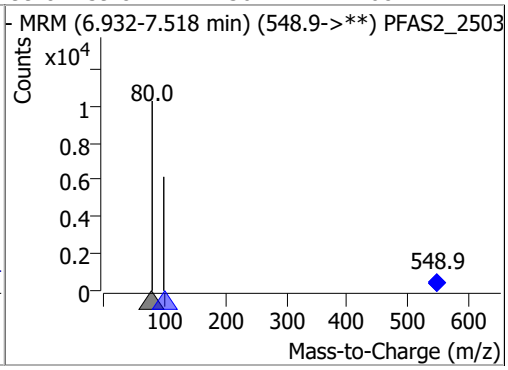
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	94.6978	7.06	0.00	3927359	532.8 -> 353.0	26.3	21.7	40.3



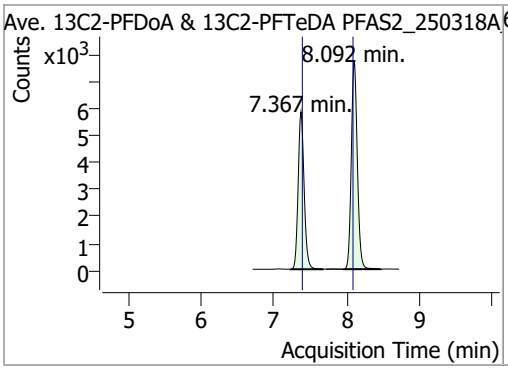
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	49.8339	7.16	0.00	365183	548.9 -> 99.0	59.8	36.7	68.1

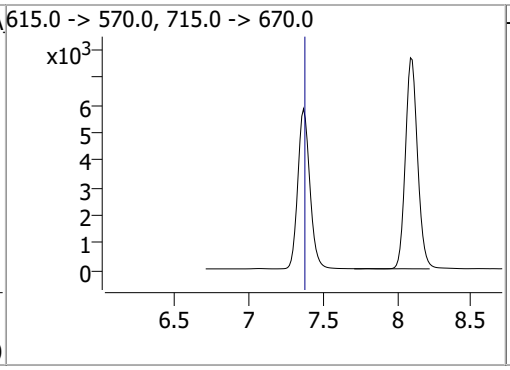


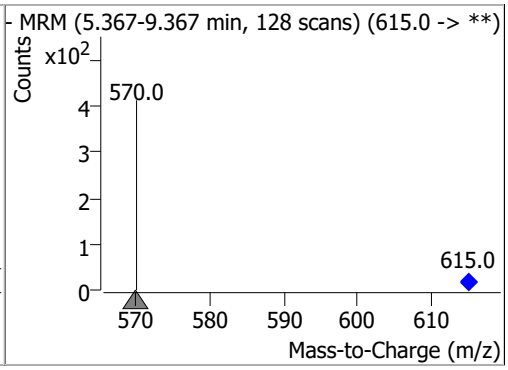




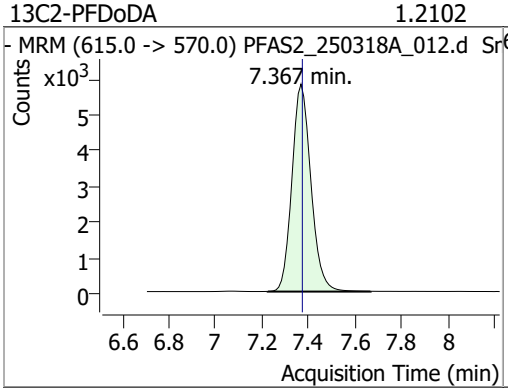
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2778	7.73	0.36	38567				

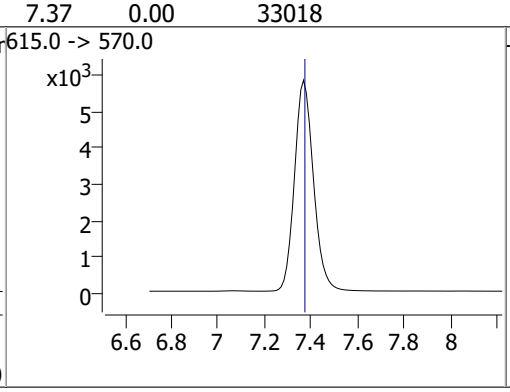


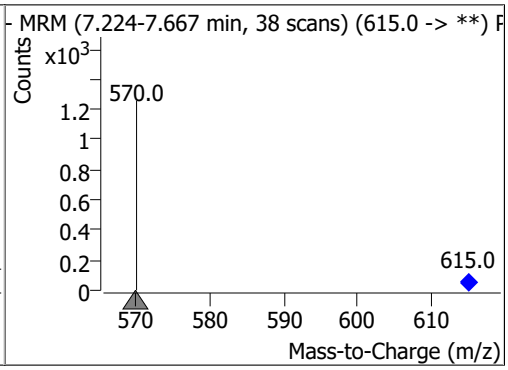




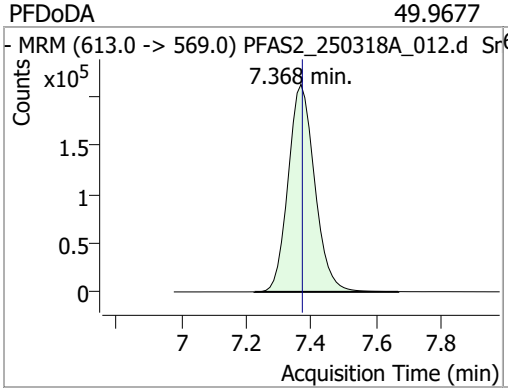
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2102	7.37	0.00	33018				

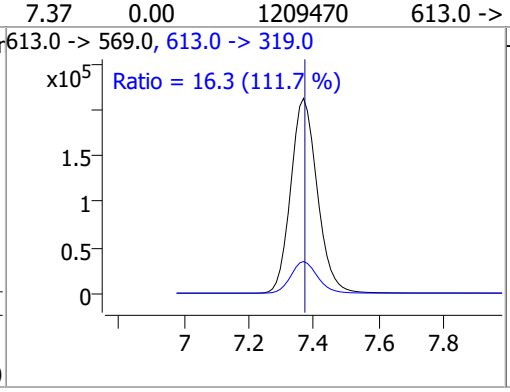


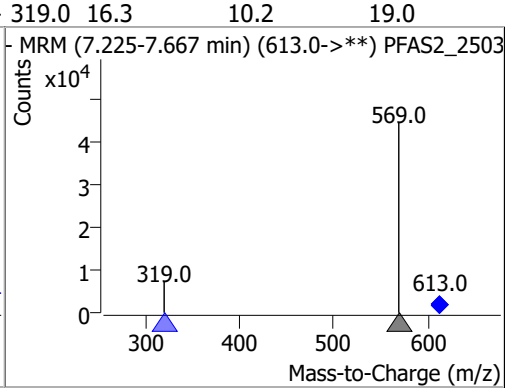




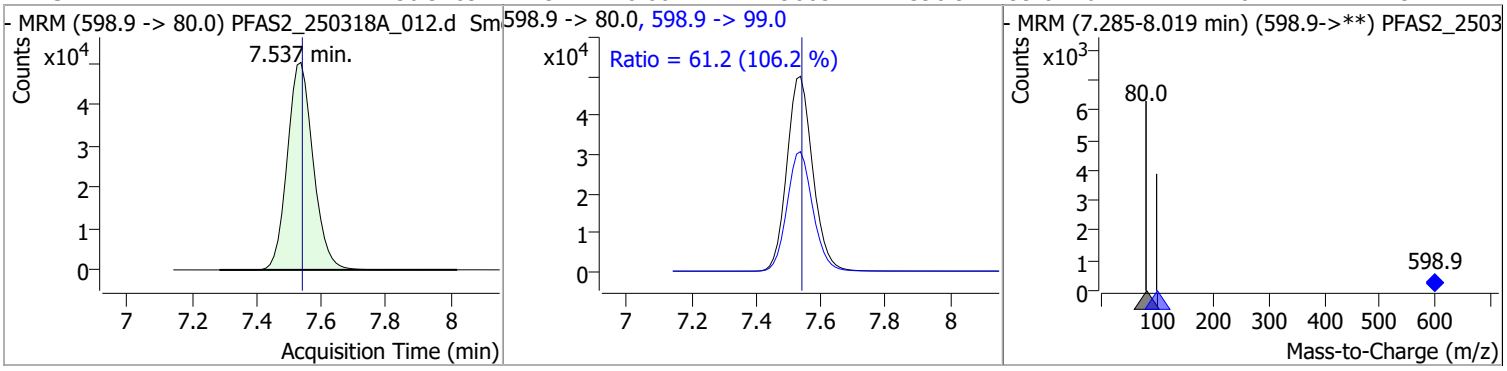
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	49.9677	7.37	0.00	1209470	613.0 -> 319.0	16.3	10.2	19.0



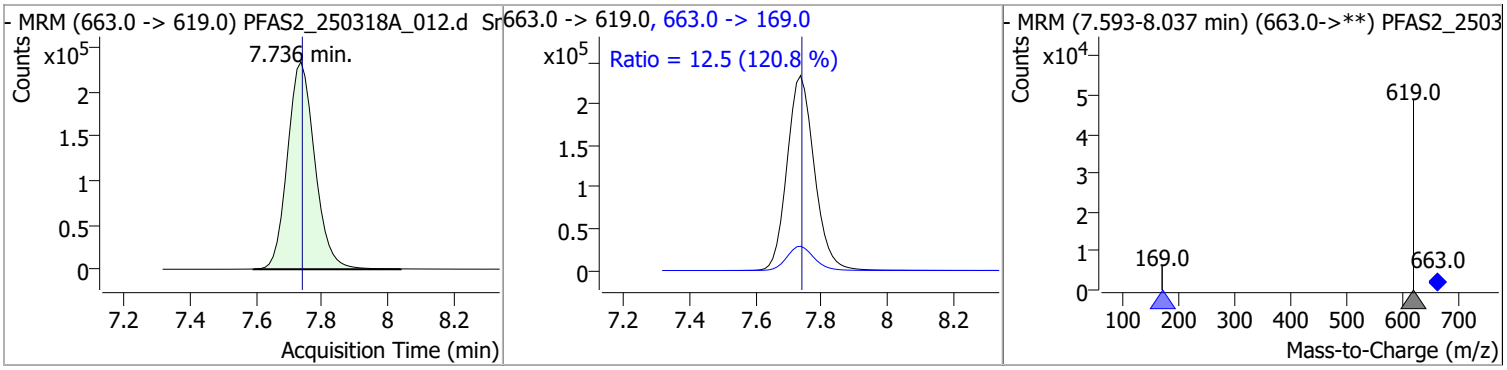




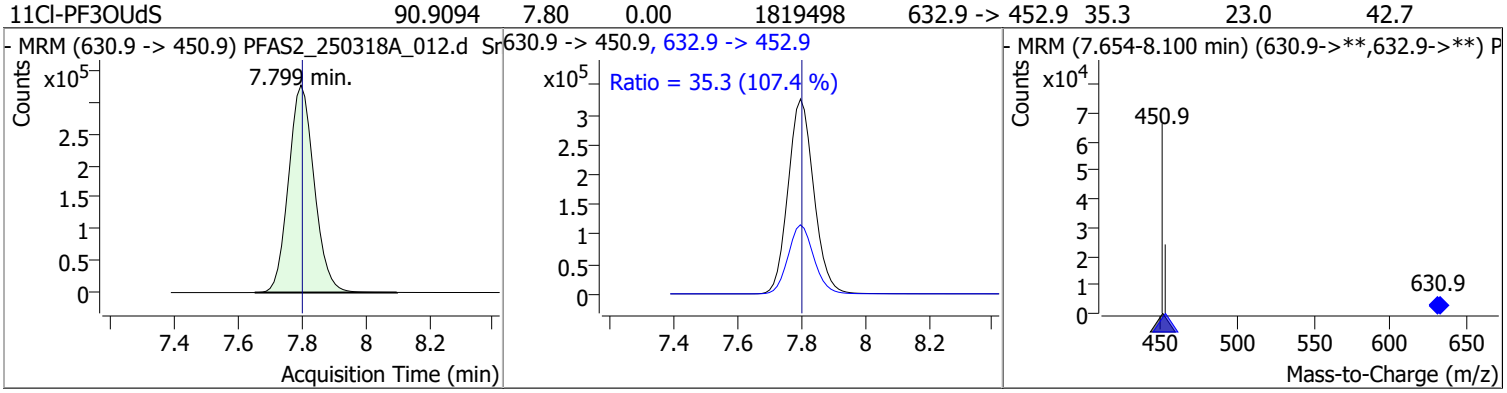
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	50.9709	7.54	0.00	279083	598.9 -> 99.0	61.2	40.4	74.9



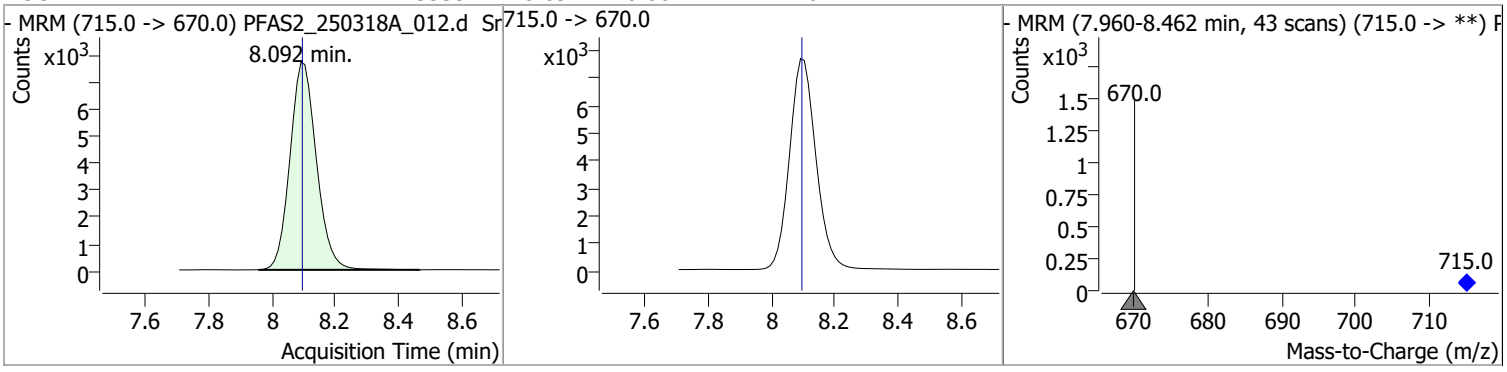
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	46.0293	7.74	0.00	1337573	663.0 -> 169.0	12.5	7.2	13.4



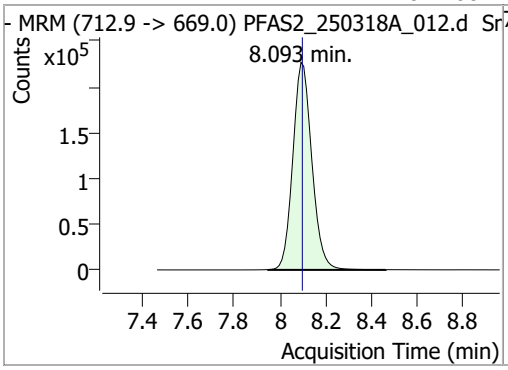
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	90.9094	7.80	0.00	1819498	632.9 -> 452.9	35.3	23.0	42.7

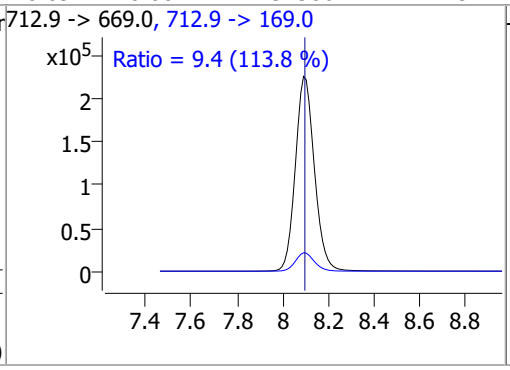


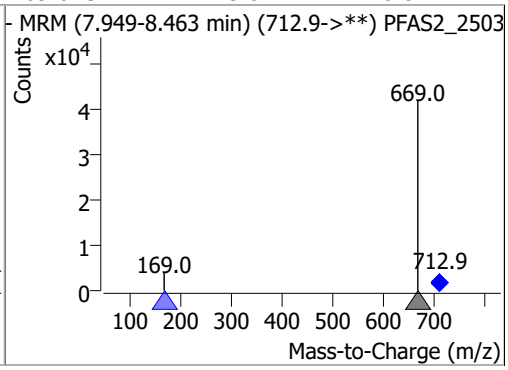
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3335	8.09	0.00	44116				



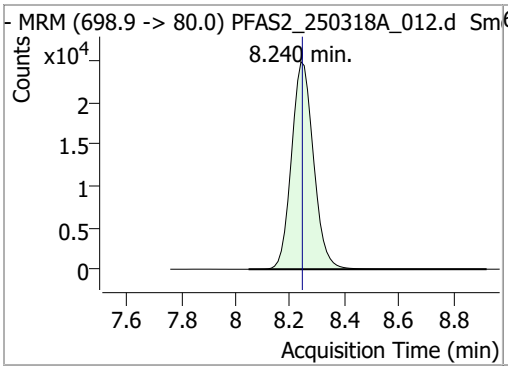
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	48.7268	8.09	0.00	1315861	712.9 -> 169.0	9.4	5.8	10.8

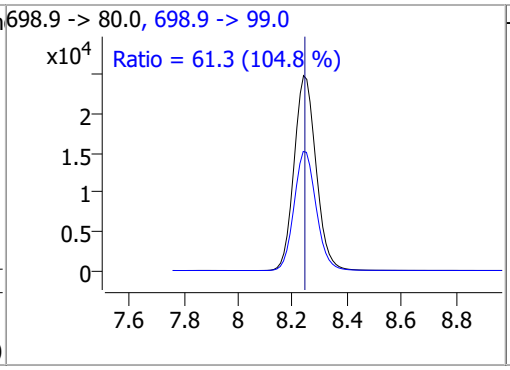


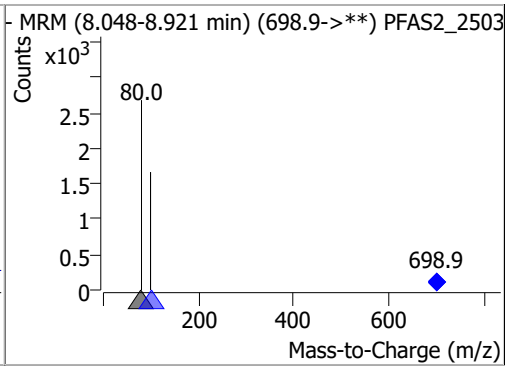




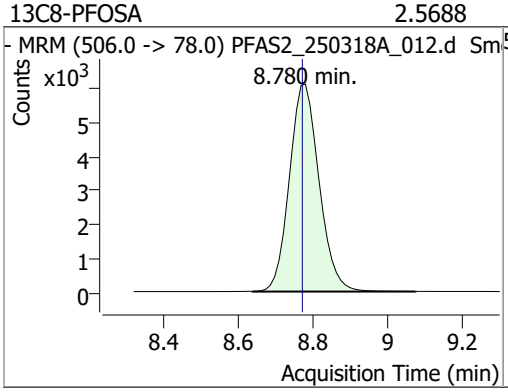
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	36.4118	8.24	0.00	139410	698.9 -> 99.0	61.3	41.0	76.1

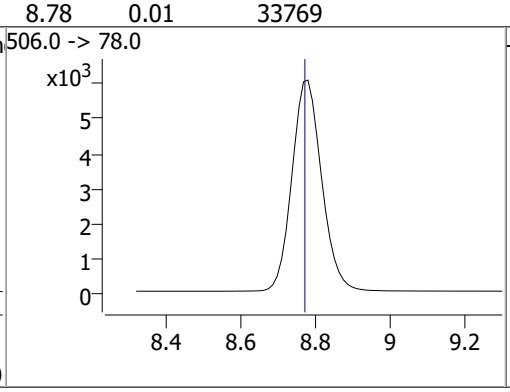


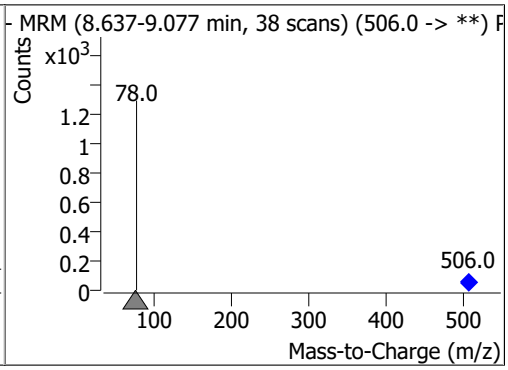




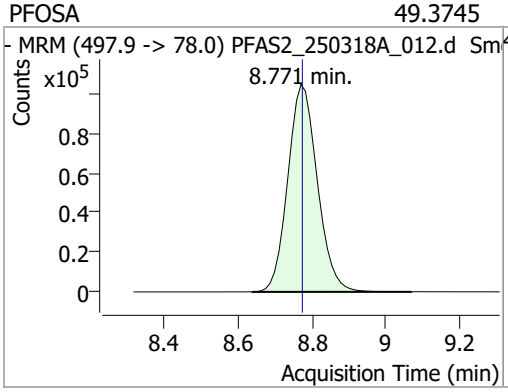
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5688	8.78	0.01	33769				

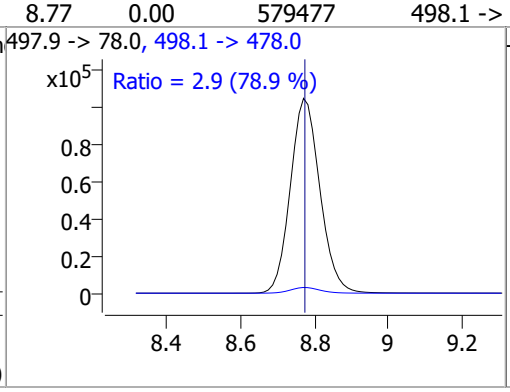


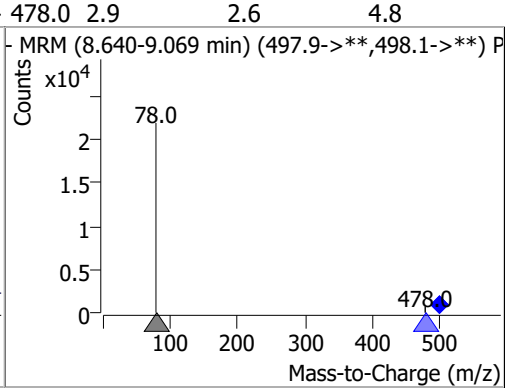




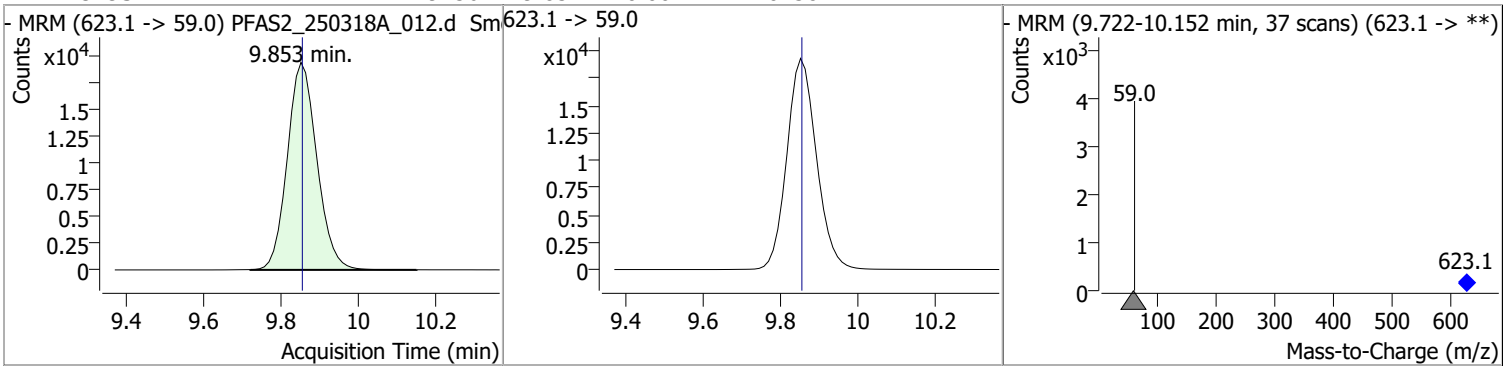
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	49.3745	8.77	0.00	579477	498.1 -> 478.0	2.9	2.6	4.8



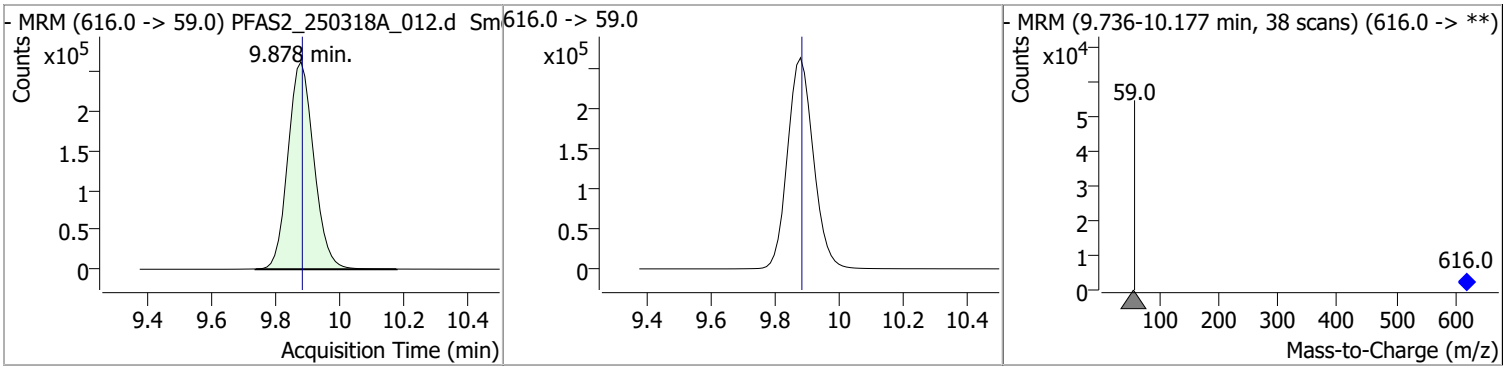




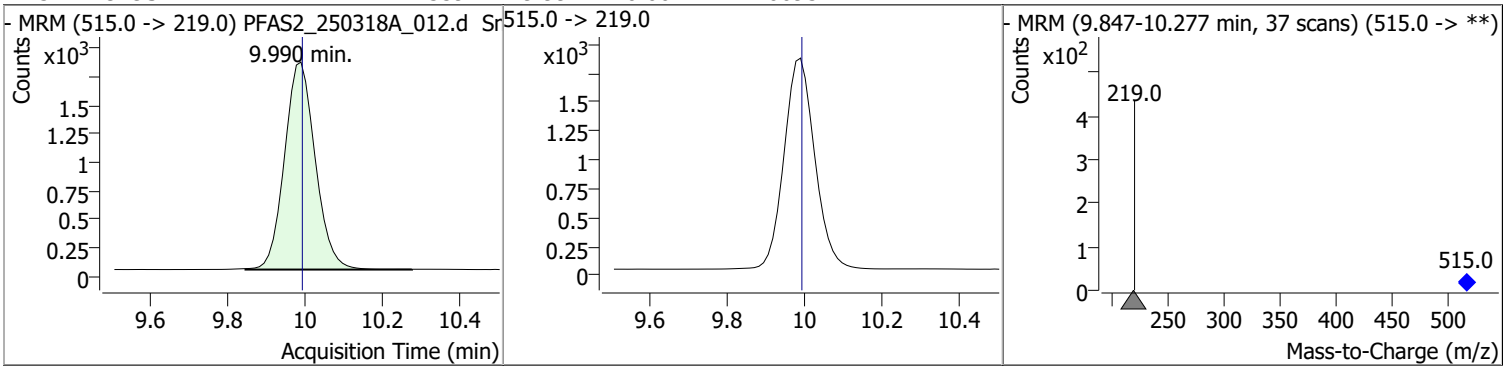
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.9756	9.85	0.00	102387				



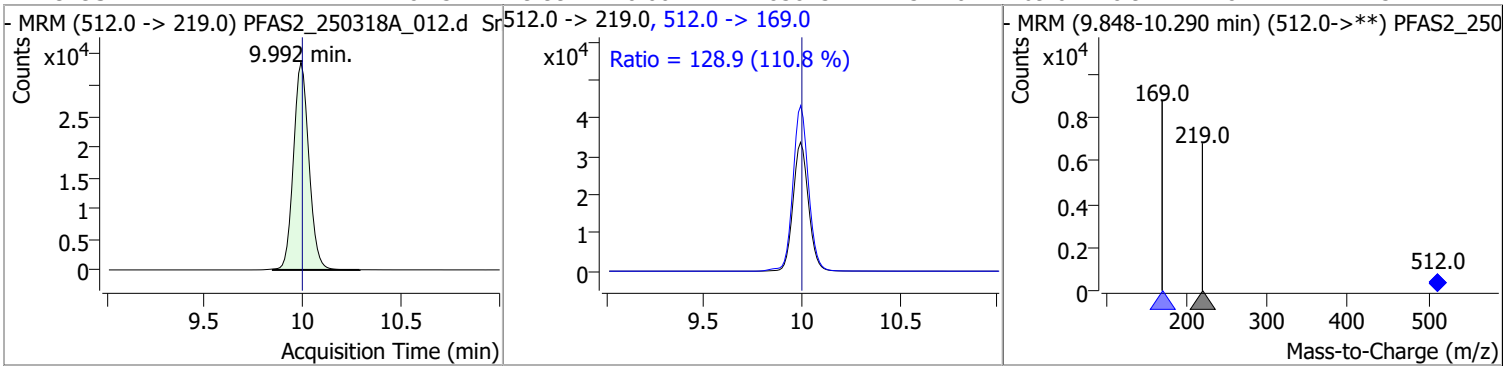
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	494.8041	9.88	0.00	1473791				



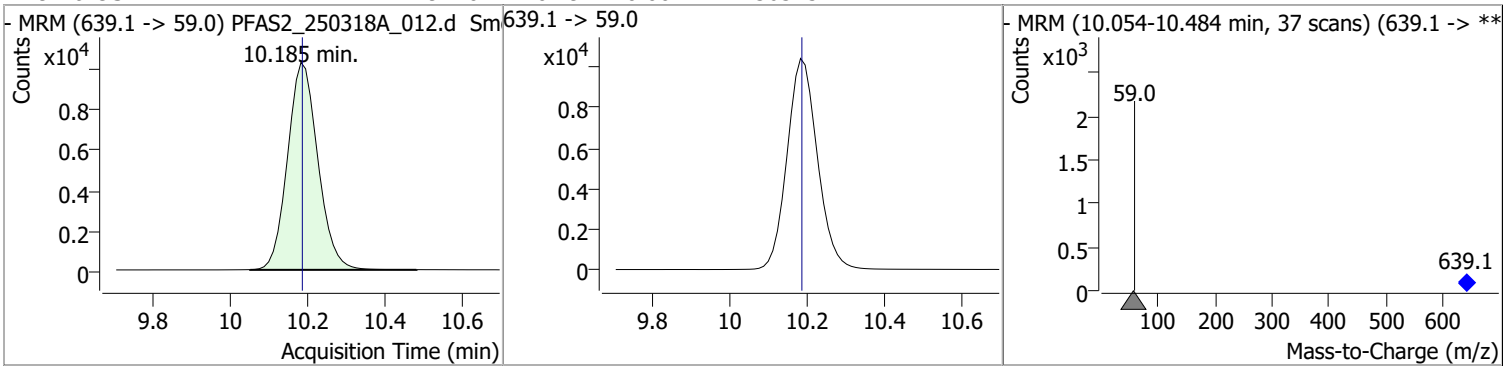
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7359	9.99	0.00	10093				



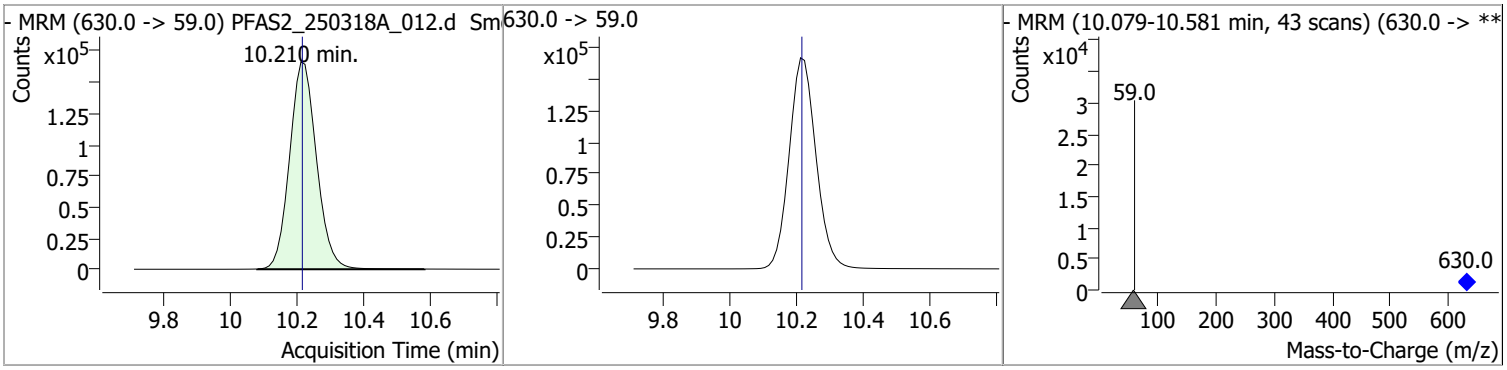
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	48.4347	9.99	0.00	183873	512.0 -> 169.0	128.9	81.4	151.2



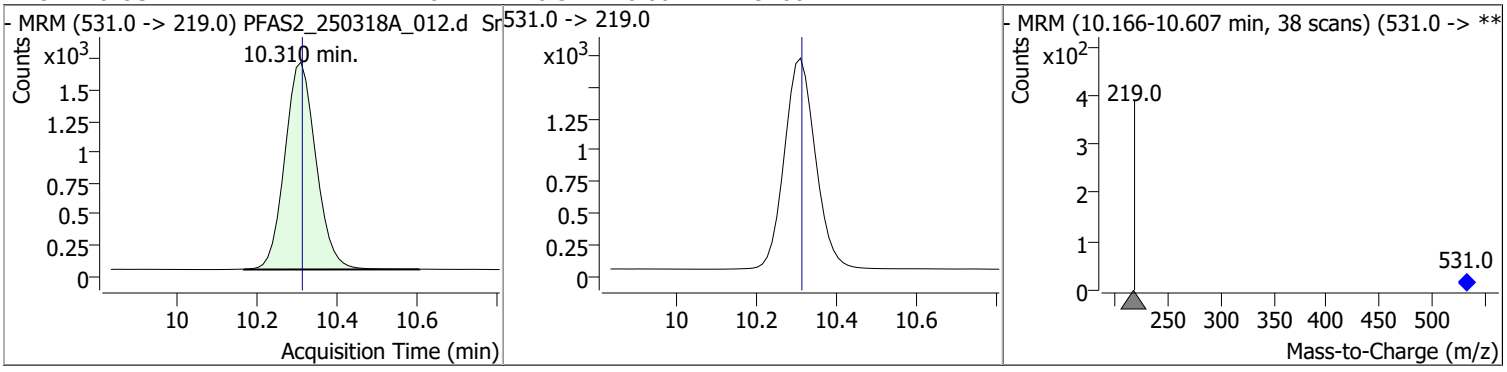
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.9770	10.19	0.00	56325				



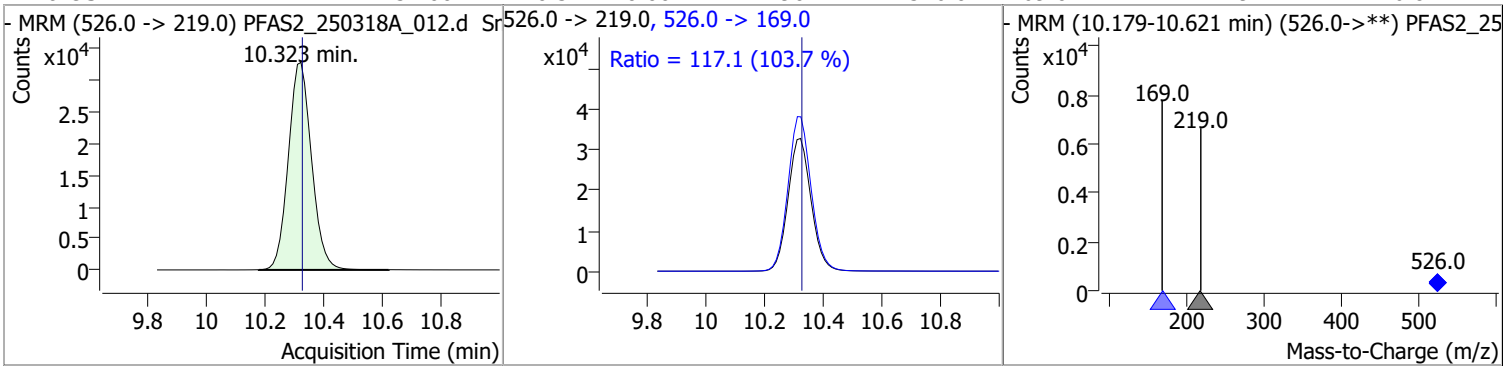
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	491.7967	10.21	0.00	935741				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2812	10.31	0.00	9100				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	51.0017	10.32	0.00	179021	526.0 -> 169.0	117.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_004.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:35:27 PM
Sample Name	SEQ-CAL2	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

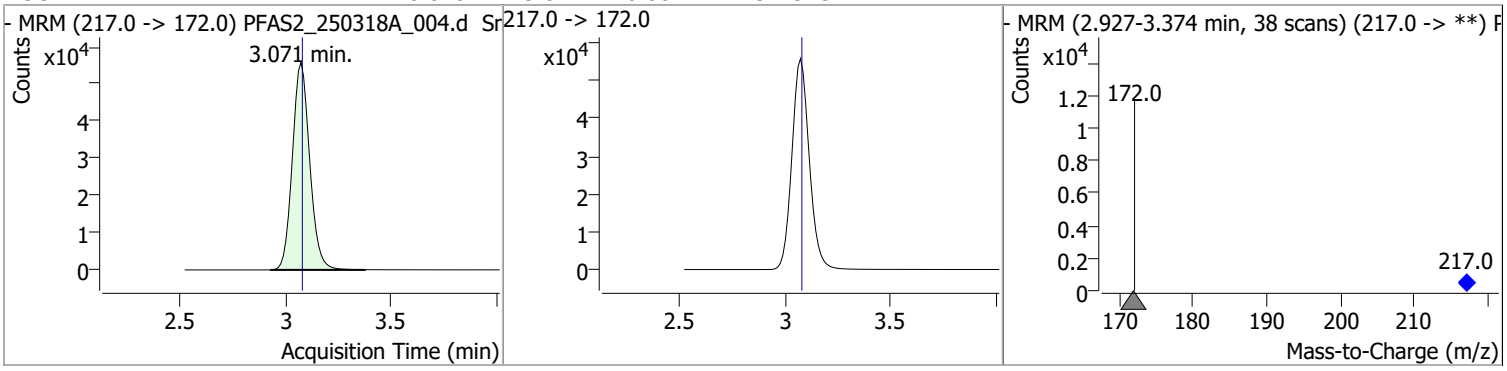
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	138947	5.0000	µg/L		1.538
13C2-PFHxA	4.890	315.0 -> 270.0	151064	2.5000	µg/L		-1.538
18O2-PFHxS	5.955	403.0 -> 84.0	28623	2.5000	µg/L		-3.398
13C4-PFOA	5.823	417.0 -> 172.0	15356	2.5000	µg/L		-0.594
13C5-PFNA	6.226	468.0 -> 423.0	66486	1.2500	µg/L		-6.584
13C2-PFDA	6.615	515.0 -> 470.0	68395	1.2500	µg/L		2.271
13C4-PFOS	6.771	503.0 -> 80.0	24406	2.5000	µg/L		-2.019
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	317973	10.0000	µg/L		2.298
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.70%			
13C5-PFPeA	4.222	268.0 -> 223.0	208008	5.0000	µg/L		0.527
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.10%			
13C5-PFPeA	4.222	268.0 -> 223.0	208008	5.0000	µg/L		0.527
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.10%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28958	5.0000	µg/L		14.617
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 119.13%			
13C5-PFHxA	4.889	318.0 -> 273.0	167889	2.5000	µg/L		-0.566
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.97%			
13C5-PFHxA	4.889	318.0 -> 273.0	167889	2.5000	µg/L		-0.566
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.97%			
13C3-PFBS	4.917	302.0 -> 80.0	62113	2.5000	µg/L		2.289
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.00%			
13C3-PFBS	4.917	302.0 -> 80.0	62113	2.5000	µg/L		2.289
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.00%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	182255	10.0000	µg/L		4.282
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 105.91%			
13C4-PFHpA	5.385	367.0 -> 322.0	186634	2.5000	µg/L		-1.193
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFHxS	5.956	402.0 -> 80.0	36548	2.5000	µg/L		4.577
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.29%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15887	5.0000	µg/L	#	7.574
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 111.48%			
13C8-PFOA	5.823	421.0 -> 376.0	172023	2.5000	µg/L		-0.415
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.20%			
13C3-PFHxS	5.956	402.0 -> 80.0	36548	2.5000	µg/L		4.577
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.29%			
13C9-PFNA	6.225	472.0 -> 427.0	67714	1.2500	µg/L		-3.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.82%			
13C8-PFOS	6.771	507.0 -> 80.0	25881	2.5000	µg/L		2.364
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.51%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12135	5.0000	µg/L	#	2.443
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.91%			
13C6-PFDA	6.615	519.0 -> 474.0	70908	1.2500	µg/L		4.338
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.92%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	54670	5.0000	µg/L		-2.057

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.85%			
13C8-PFOS	6.771	507.0 -> 80.0	25881	2.5000	µg/L		2.364
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.51%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	40576	5.0000	µg/L		-3.778
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.16%			
13C7-PFUnDA	6.990	570.0 -> 525.0	54804	1.2500	µg/L		2.241
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.96%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	41458	1.2500	µg/L		-6.023
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.74%			
13C2-PFDoDA	7.367	615.0 -> 570.0	37121	1.2500	µg/L		-7.070
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 90.87%			
13C2-PFTDA	8.092	715.0 -> 670.0	45795	1.2500	µg/L		-5.157
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 92.45%			
13C8-PFOSA	8.780	506.0 -> 78.0	35660	2.5000	µg/L		-3.520
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.27%			
2H7-MeFOSE	9.853	623.1 -> 59.0	129893	25.0000	µg/L		3.382
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 105.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10816	2.5000	µg/L		4.306
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.20%			
2H9-EtFOSE	10.185	639.1 -> 59.0	65047	25.0000	µg/L		2.421
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 104.49%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11607	2.5000	µg/L		3.263
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.40%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	55122	2.0555	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.78%			
PFMPA	3.614	229.0 -> 85.0	19744	1.0375	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.75%			
3-3 FTCA	3.778	241.0 -> 177.0	1436	2.0290	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.45%			
PFPeA	4.223	263.0 -> 219.0	38713	1.0289	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 102.89%			
PFMBA	4.453	279.0 -> 85.0	29151	1.0304	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.04%			
4-2 FTSA	4.698	327.0 -> 307.0	34054	1.9349	µg/L		98
Spiked Amount: 1.875	Range: 70 - 130%			Recovery = 103.20%			
NFDHA	4.823	295.0 -> 201.0	1109	0.8978	µg/L	#	74
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 89.78%			
PFHxA	4.880	313.0 -> 269.0	30941	0.5150	µg/L		100
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 103.00%			
PFBS	4.918	298.9 -> 80.0	11822	0.4587	µg/L		94
Spiked Amount: 0.444	Range: 70 - 130%			Recovery = 103.42%			
HFPO-DA	5.075	285.0 -> 169.0	16127	0.9974	µg/L		96
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.74%			
PFEESA	5.189	314.9 -> 135.0	74839	0.9230	µg/L		99
Spiked Amount: 0.890	Range: 70 - 130%			Recovery = 103.71%			
PFHpA	5.386	363.0 -> 319.0	36278	0.5234	µg/L		98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.68%			
5-3 FTCA	5.447	341.0 -> 237.0	42833	9.3855	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 93.86%			
PFPeS	5.482	348.9 -> 80.0	9276	0.4701	µg/L		93
Spiked Amount: 0.471	Range: 70 - 130%			Recovery = 99.91%			
DONA	5.539	377.0 -> 251.0	95306	0.9513	µg/L		100
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 100.66%			

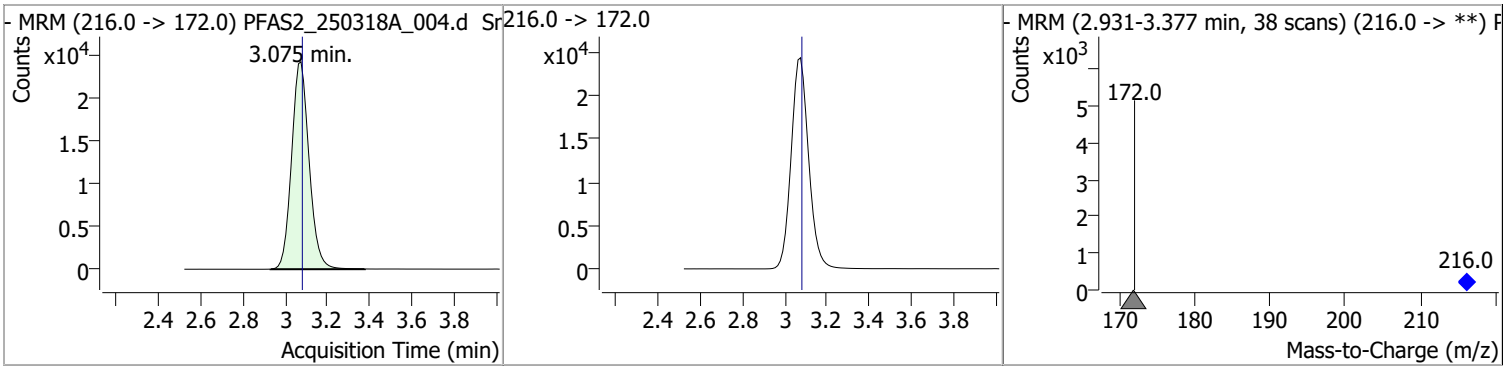
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	19884	1.8781	µg/L	#	84
Spiked Amount: 1.900	Range: 70 - 130%			Recovery = 98.85%			
PFOA	5.824	413.0 -> 369.0	32276	0.5093	µg/L		98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 101.86%			
PFHxS	5.945	398.9 -> 80.0	6877	0.4837	µg/L		96
Spiked Amount: 0.457	Range: 70 - 130%			Recovery = 105.85%			
PFNA	6.226	463.0 -> 419.0	26054	0.4996	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 99.92%			
PFHpS	6.370	448.9 -> 80.0	5037	0.4679	µg/L		95
Spiked Amount: 0.477	Range: 70 - 130%			Recovery = 98.20%			
8-2 FTSA	6.424	527.0 -> 507.0	10350	1.9433	µg/L	#	69
Spiked Amount: 1.920	Range: 70 - 130%			Recovery = 101.21%			
7-3 FTCA	6.597	441.0 -> 317.0	35862	10.4176	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.18%			
PFDA	6.615	513.0 -> 469.0	26247	0.5028	µg/L		95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.55%			
N-MeFOSAA	6.742	570.0 -> 419.0	4803	0.5043	µg/L		95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.86%			
PFOS	6.772	498.9 -> 80.0	4489	0.4616	µg/L		89
Spiked Amount: 0.464	Range: 70 - 130%			Recovery = 99.48%			
N-EtFOSAA	6.953	584.0 -> 419.0	4021	0.5348	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 106.95%			
PFUnDA	6.991	563.0 -> 519.0	20298	0.5105	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 102.09%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	50384	0.9368	µg/L		89
Spiked Amount: 0.935	Range: 70 - 130%			Recovery = 100.20%			
PFNS	7.159	548.9 -> 80.0	3944	0.4467	µg/L		99
Spiked Amount: 0.481	Range: 70 - 130%			Recovery = 92.87%			
PFDoDA	7.368	613.0 -> 569.0	13201	0.4851	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 97.02%			
PFDS	7.525	598.9 -> 80.0	3208	0.4863	µg/L		97
Spiked Amount: 0.483	Range: 70 - 130%			Recovery = 100.79%			
PFTrDA	7.724	663.0 -> 619.0	16381	0.5244	µg/L		92
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.88%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	22023	0.9123	µg/L		96
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 96.54%			
PFTDA	8.093	712.9 -> 669.0	14185	0.5117	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 102.33%			
PFDoS	8.240	698.9 -> 80.0	2324	0.5038	µg/L		93
Spiked Amount: 0.485	Range: 70 - 130%			Recovery = 103.88%			
PFOSA	8.771	497.9 -> 78.0	6405	0.5168	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 103.36%			
MeFOSE	9.878	616.0 -> 59.0	19933	5.0521	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.04%			
N-MeFOSA	9.992	512.0 -> 219.0	1963	0.4827	µg/L		81
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 96.53%			
EtFOSE	10.210	630.0 -> 59.0	12341	5.2943	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.89%			
N-EtFOSA	10.323	526.0 -> 219.0	2350	0.5249	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.98%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

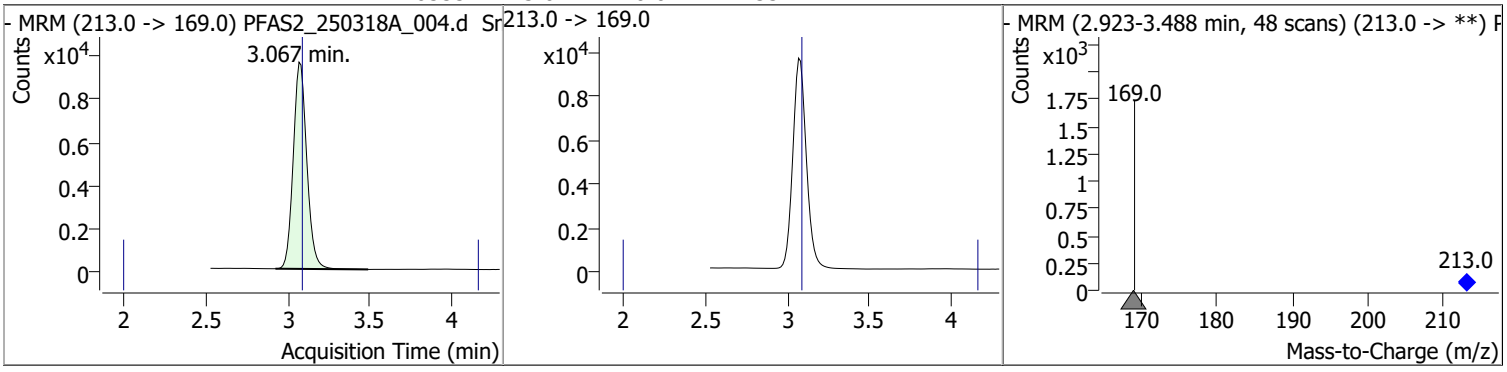
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0704	3.07	0.00	317973				



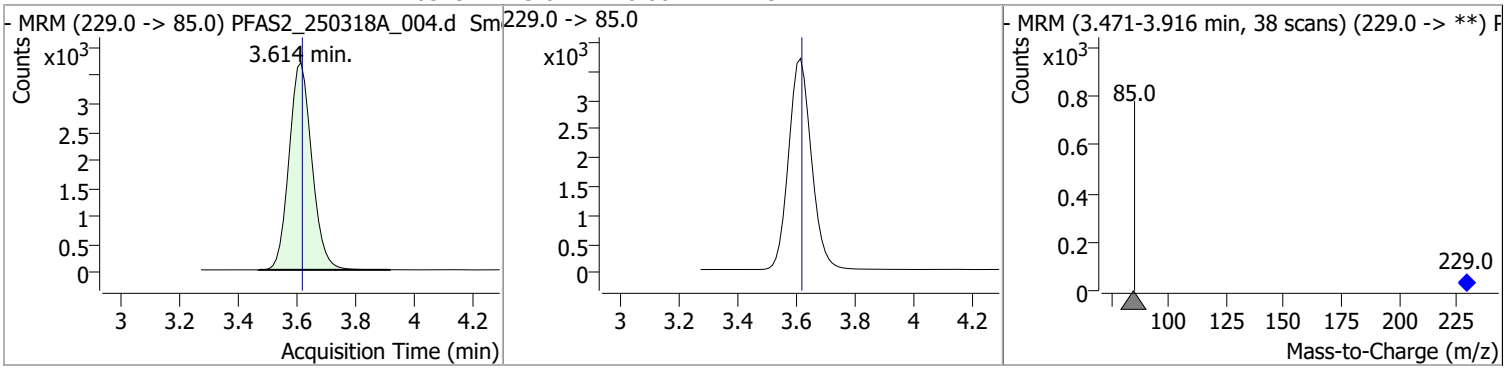
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	138947				



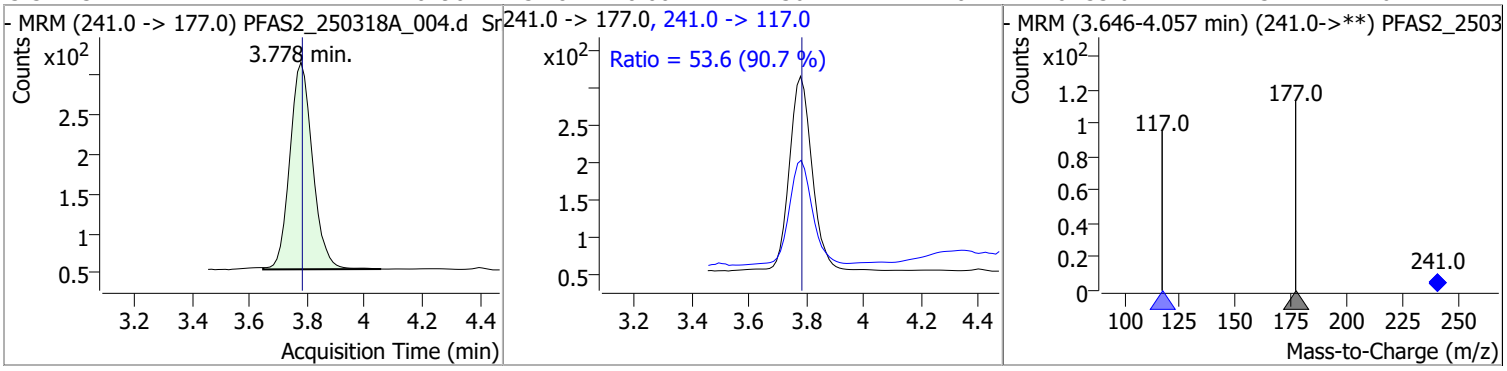
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.0555	3.07	-0.01	55122				



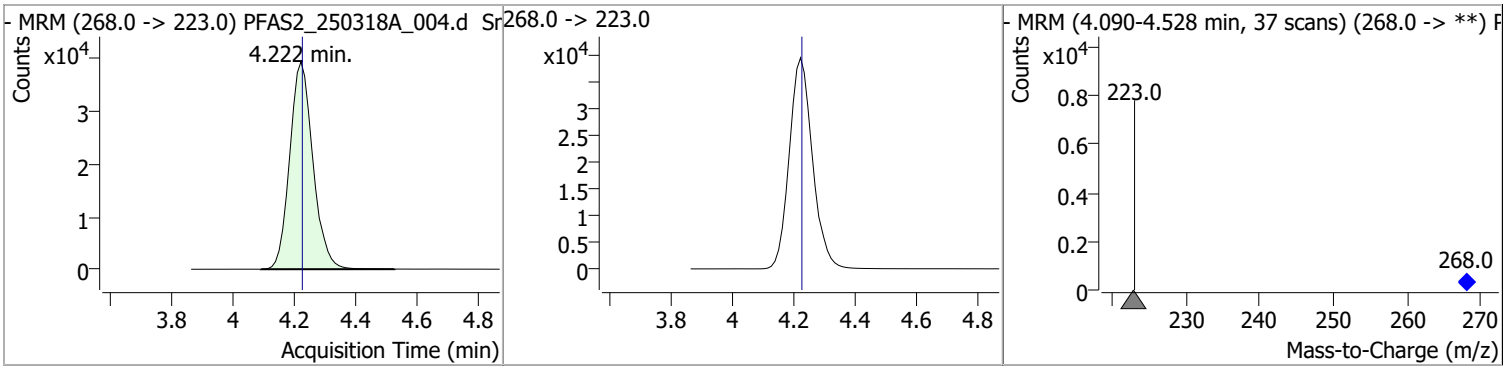
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	1.0375	3.61	0.00	19744				



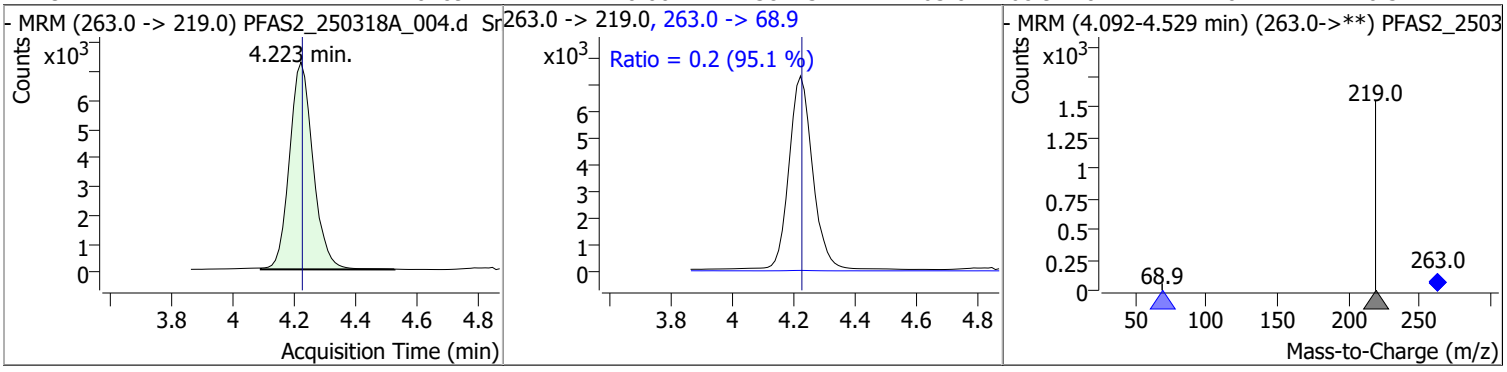
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	2.0290	3.78	0.00	1436	241.0 -> 117.0	53.6	41.3	76.7



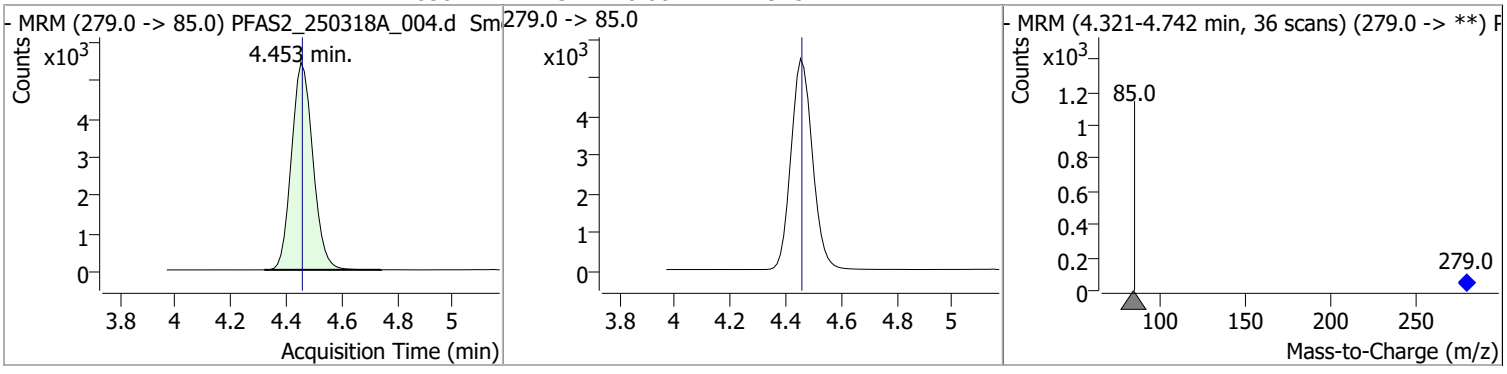
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1052	4.22	0.00	208008				



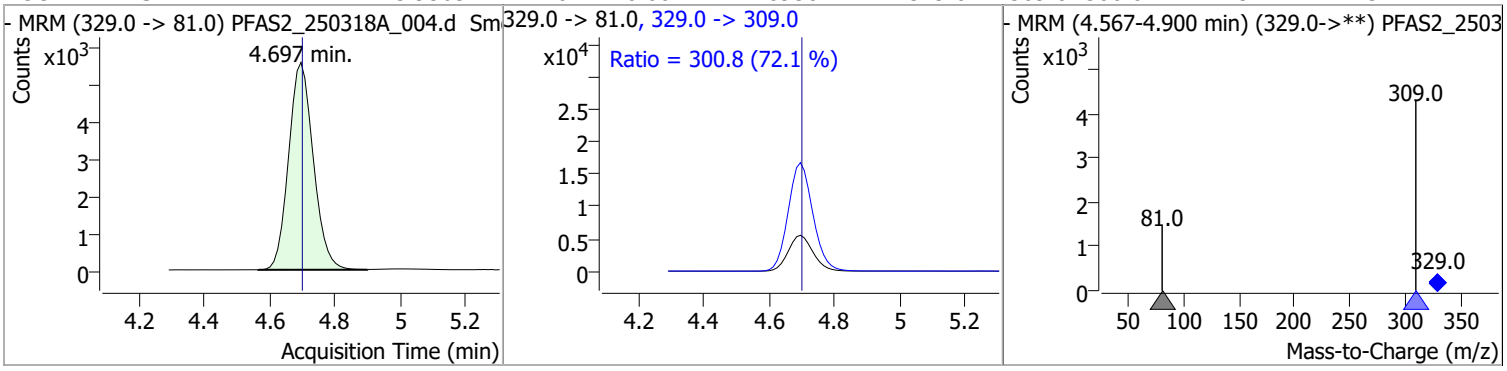
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.0289	4.22	0.00	38713	263.0 -> 68.9	0.2	0.1	0.3



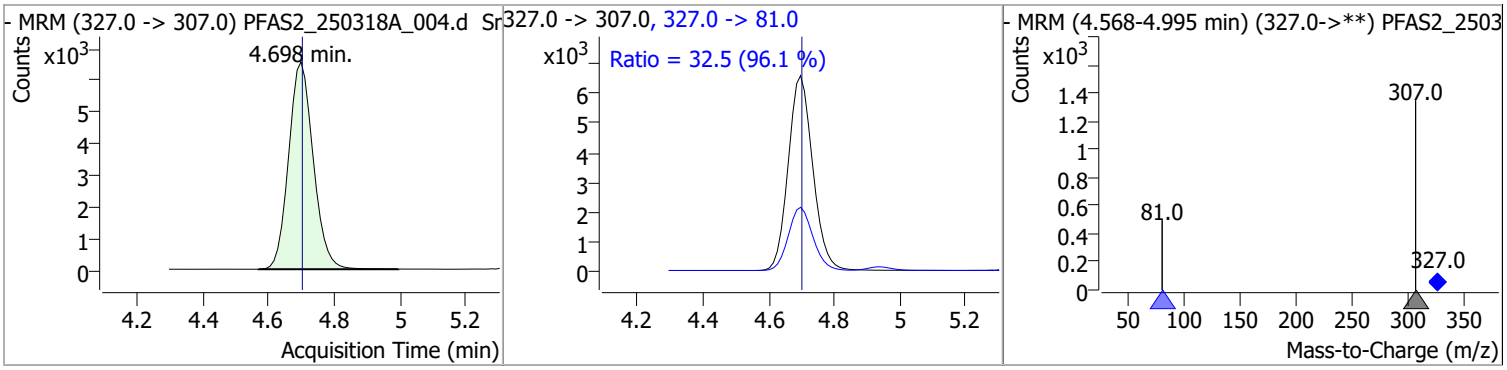
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.0304	4.45	0.00	29151				



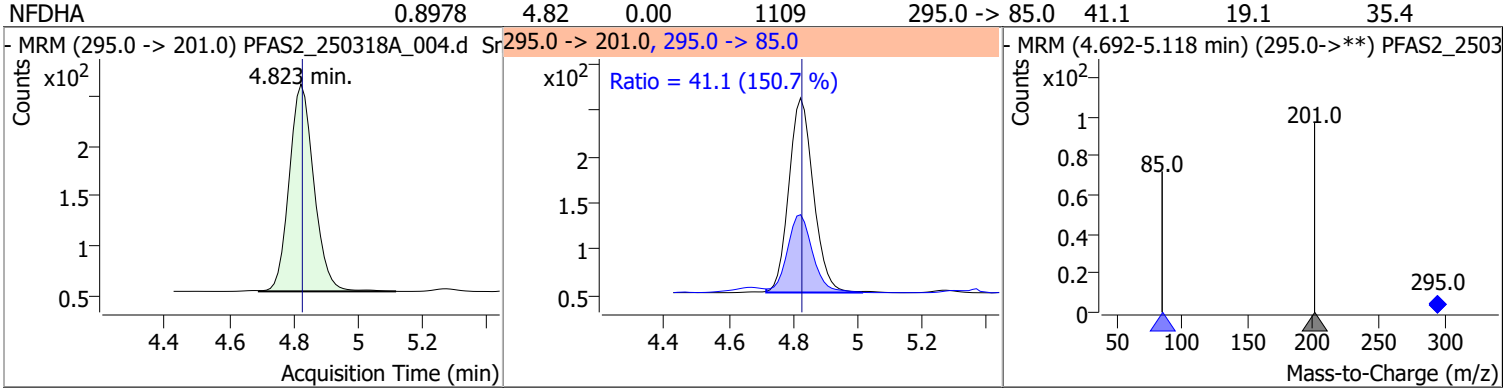
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9565	4.70	0.00	28958	329.0 -> 309.0	300.8	292.1	542.4



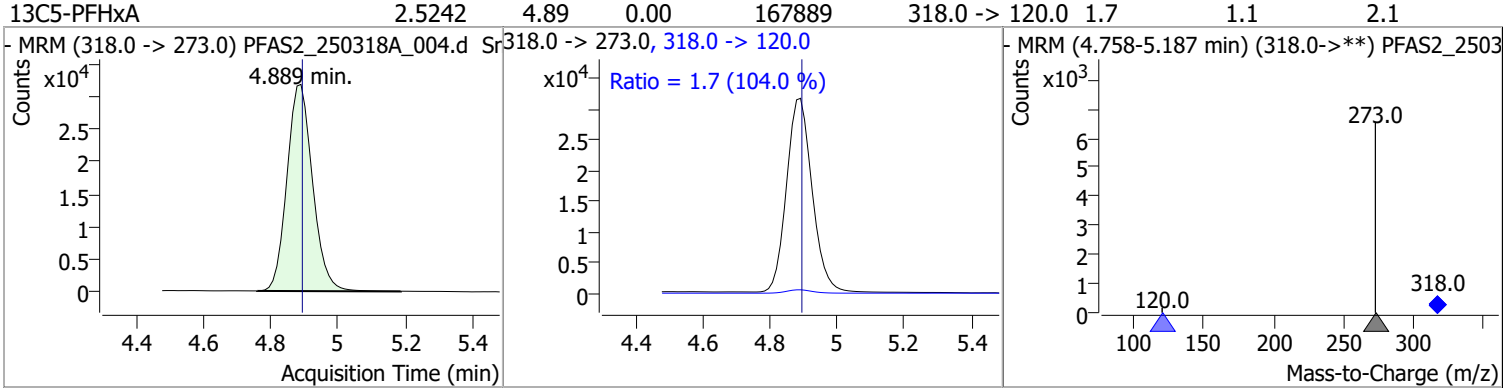
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	1.9349	4.70	0.00	34054	327.0 -> 81.0	32.5	23.6	43.9



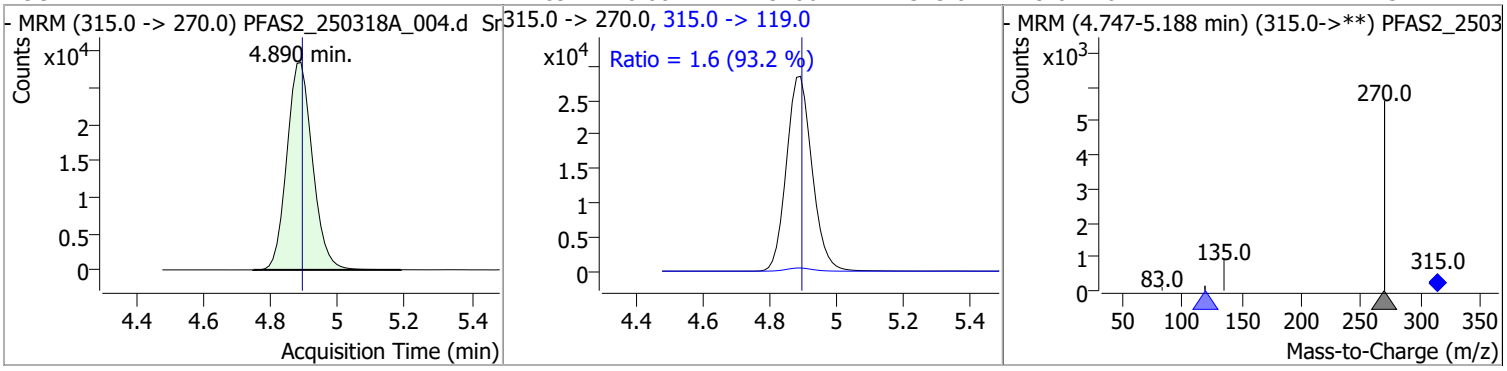
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.8978	4.82	0.00	1109	295.0 -> 85.0	41.1	19.1	35.4



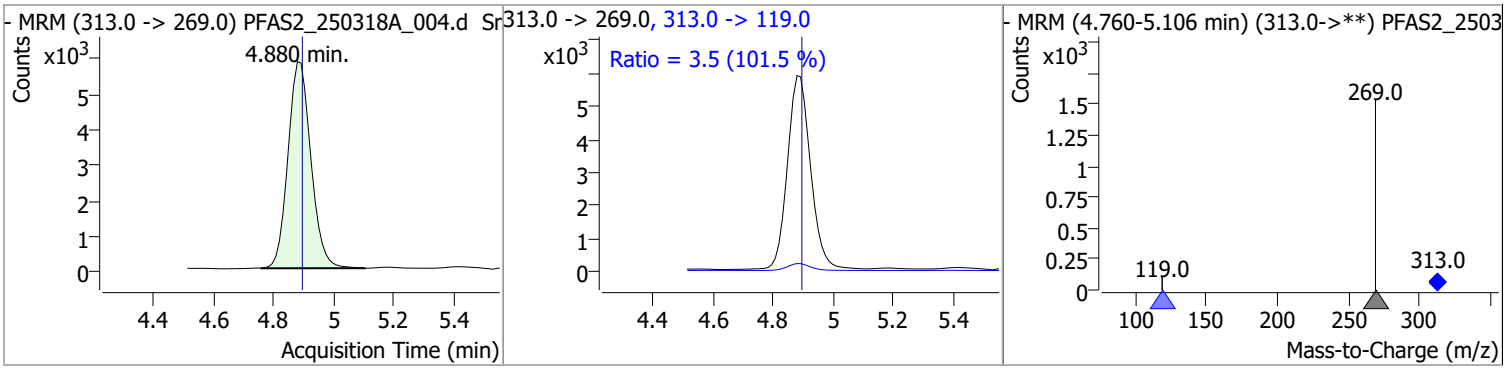
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5242	4.89	0.00	167889	318.0 -> 120.0	1.7	1.1	2.1



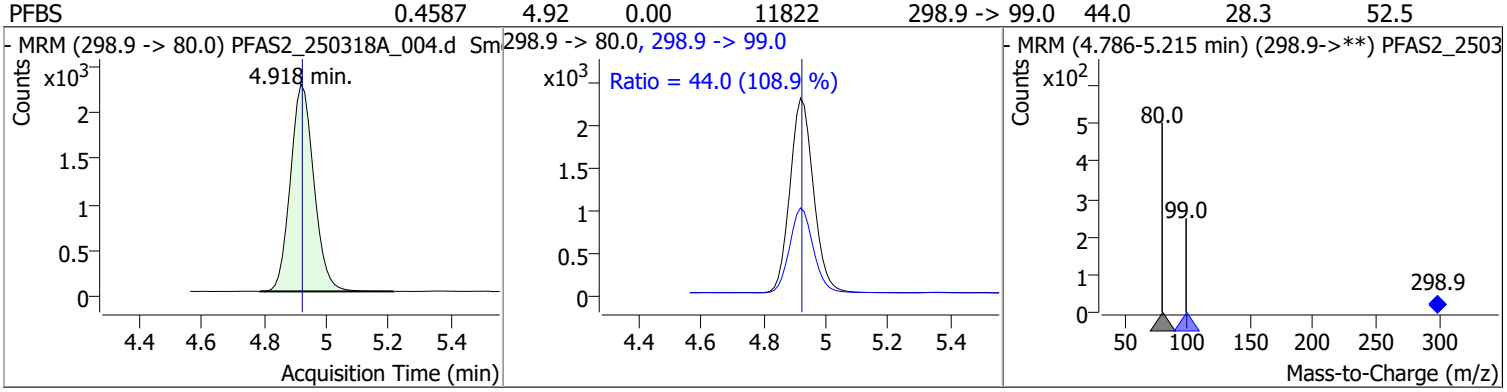
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	151064	315.0 -> 119.0	1.6	1.2	2.3



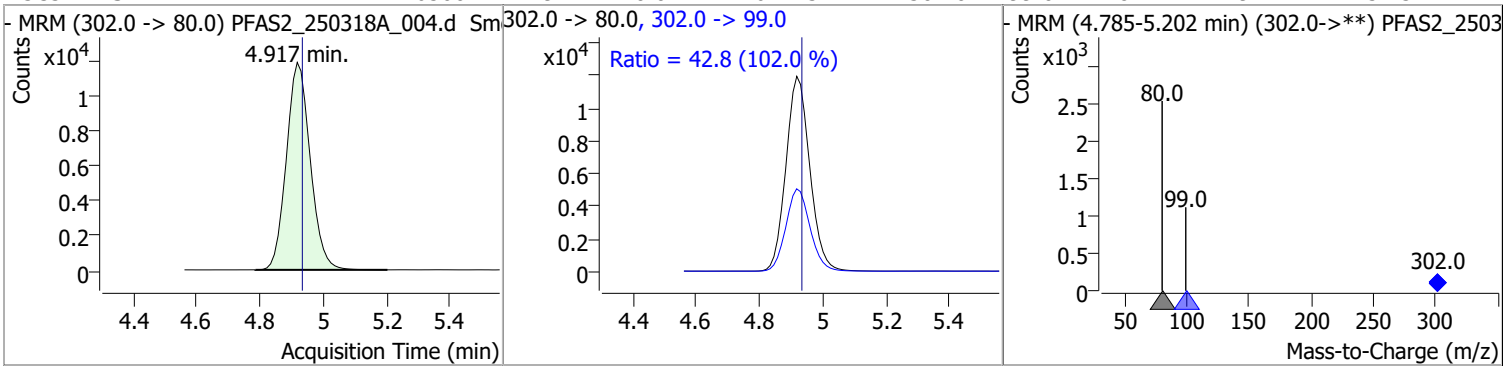
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5150	4.88	-0.01	30941	313.0 -> 119.0	3.5	2.4	4.5



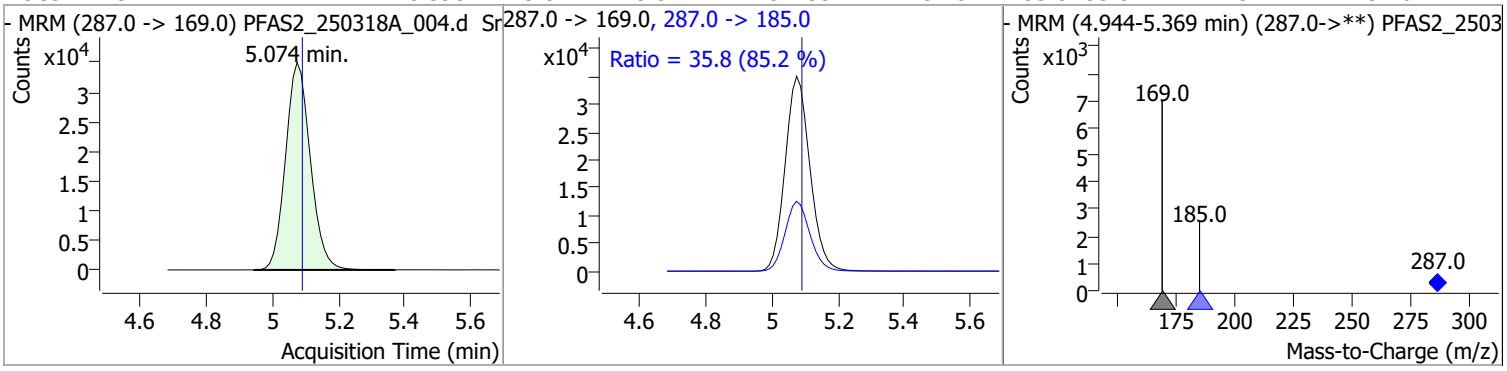
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.4587	4.92	0.00	11822	298.9 -> 99.0	44.0	28.3	52.5



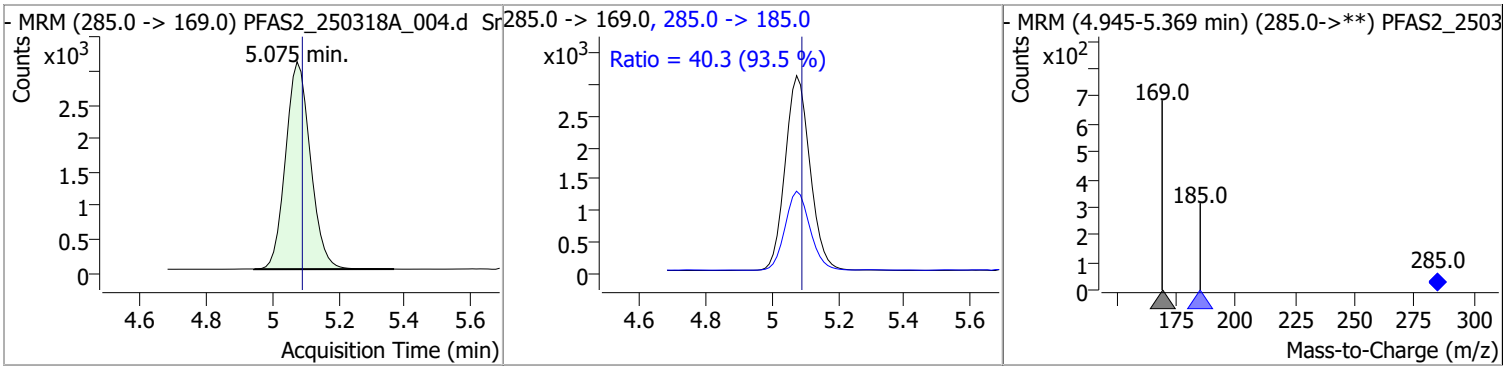
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6500	4.92	-0.01	62113	302.0 -> 99.0	42.8	29.4	54.5



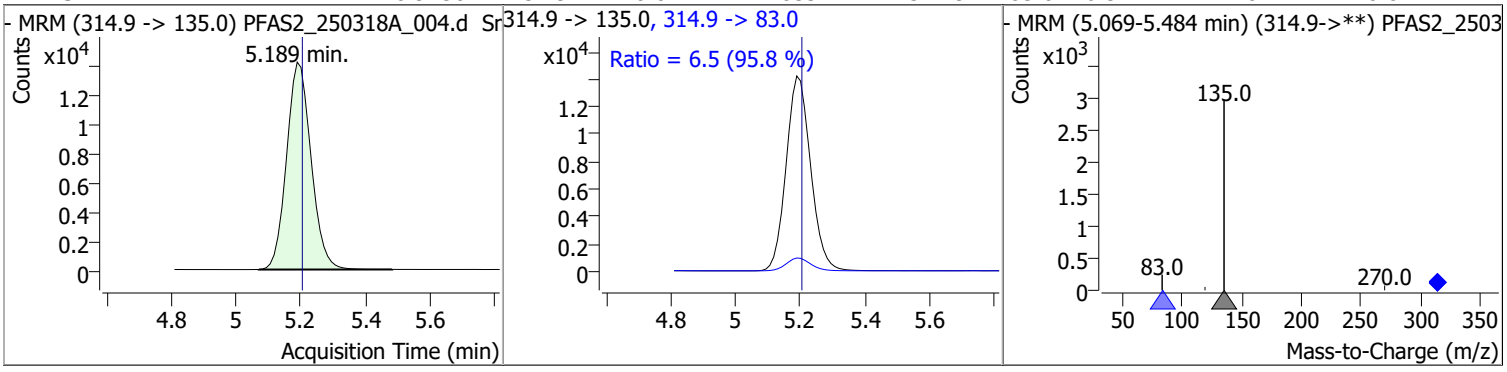
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.5907	5.07	-0.01	182255	287.0 -> 185.0	35.8	29.4	54.6



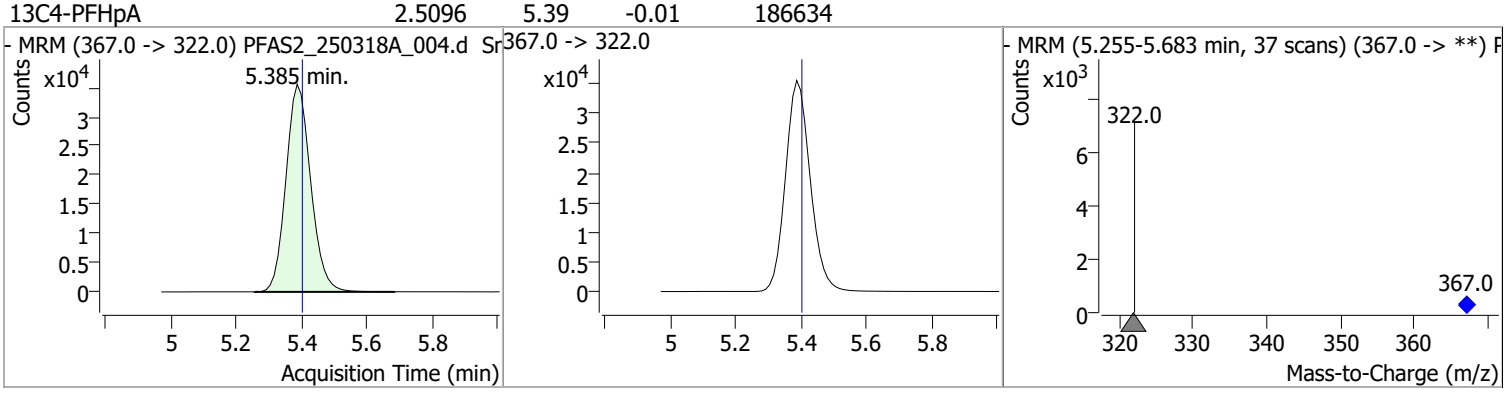
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.9974	5.07	-0.01	16127	285.0 -> 185.0	40.3	30.1	56.0



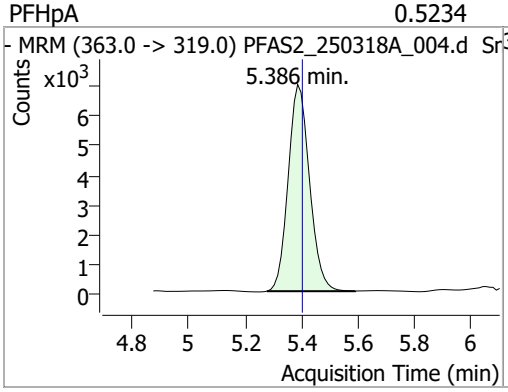
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.9230	5.19	-0.01	74839	314.9 -> 83.0	6.5	4.8	8.8

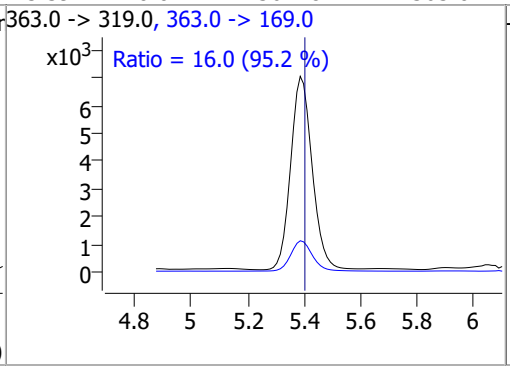


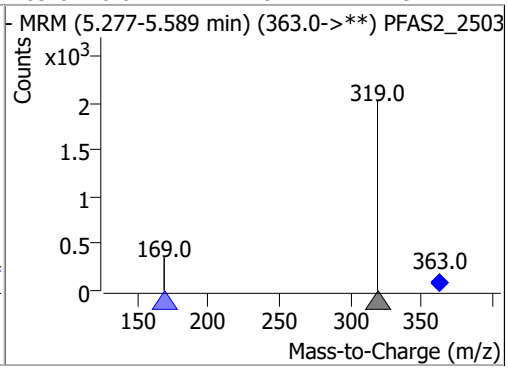
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5096	5.39	-0.01	186634				



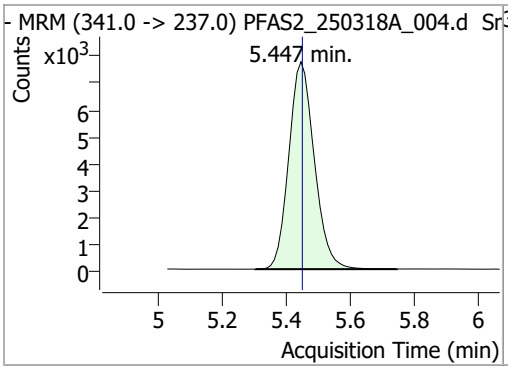
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.5234	5.39	-0.01	36278	363.0 -> 169.0	16.0	11.8	21.9

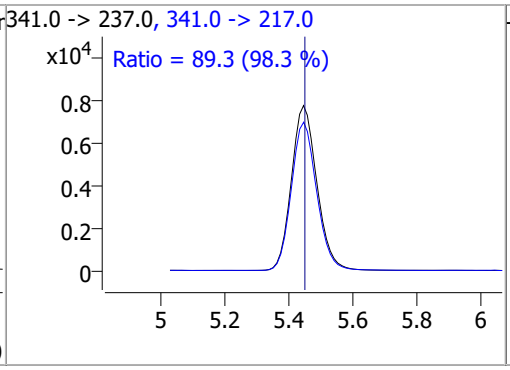


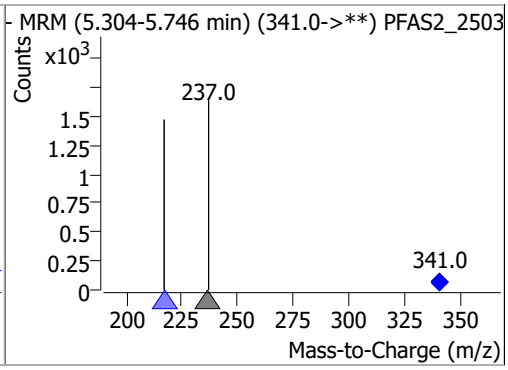




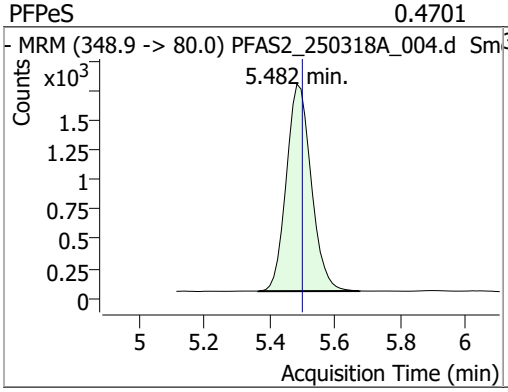
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	9.3855	5.45	0.00	42833	341.0 -> 217.0	89.3	63.6	118.1

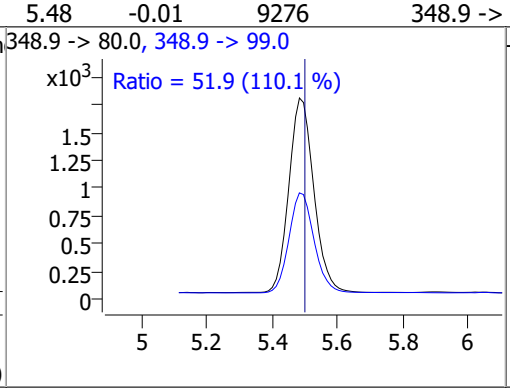


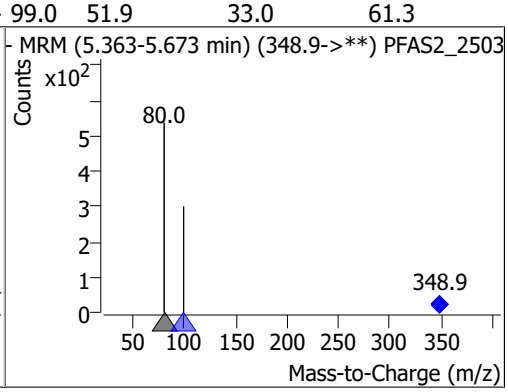




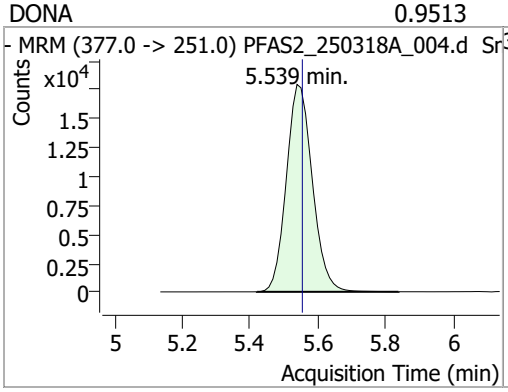
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.4701	5.48	-0.01	9276	348.9 -> 99.0	51.9	33.0	61.3

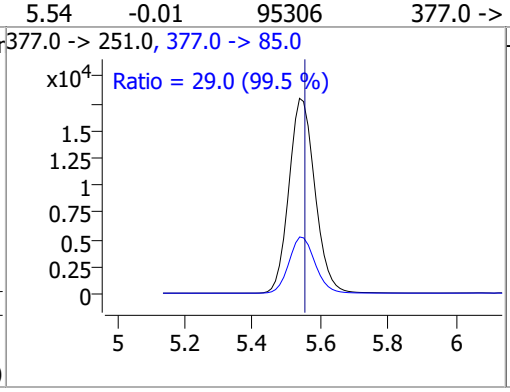


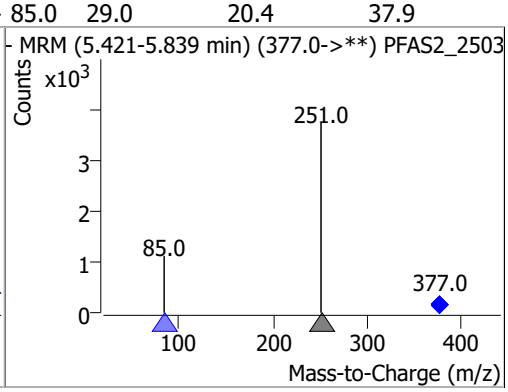




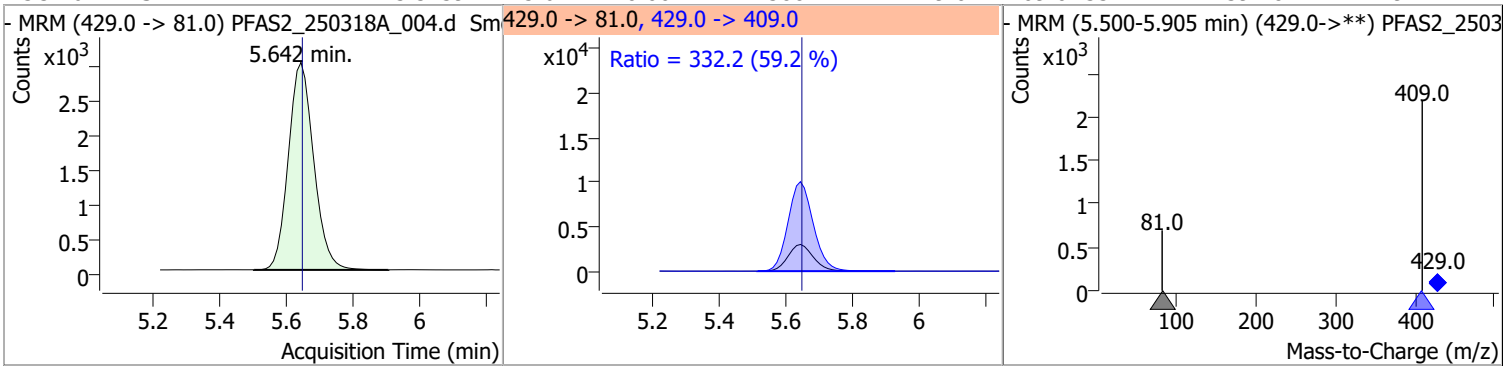
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9513	5.54	-0.01	95306	377.0 -> 85.0	29.0	20.4	37.9



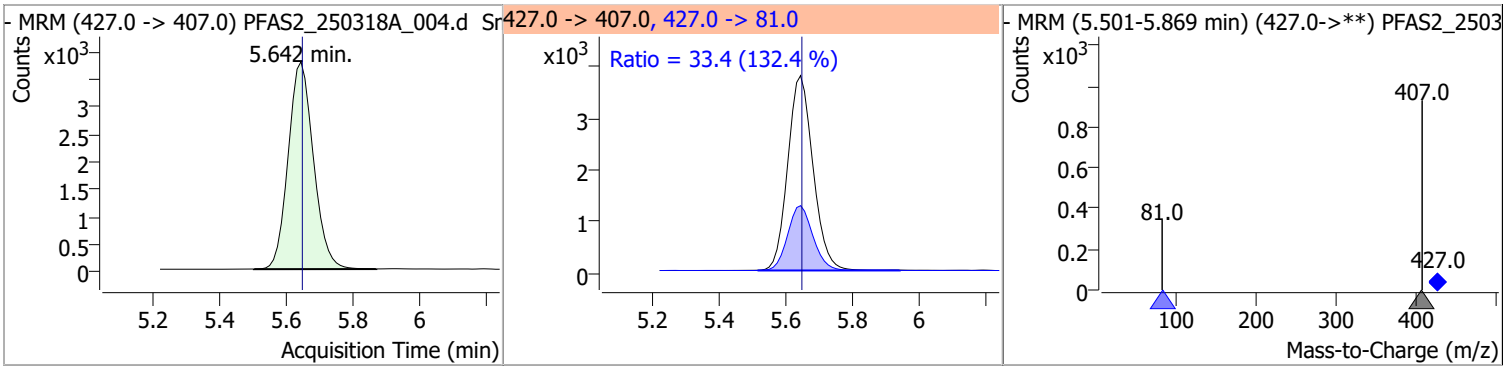




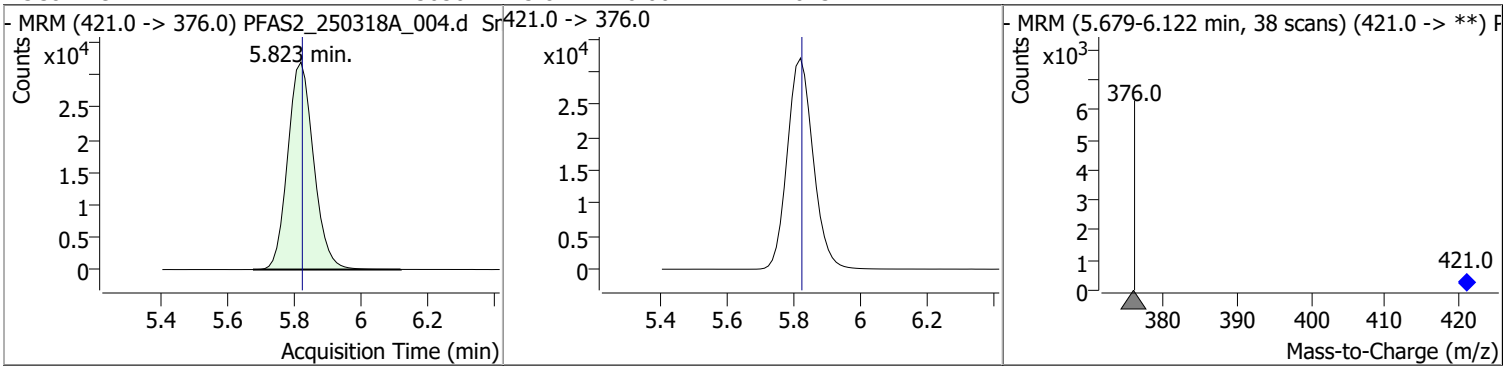
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5739	5.64	0.00	15887	429.0 -> 409.0	332.2	392.8	729.4



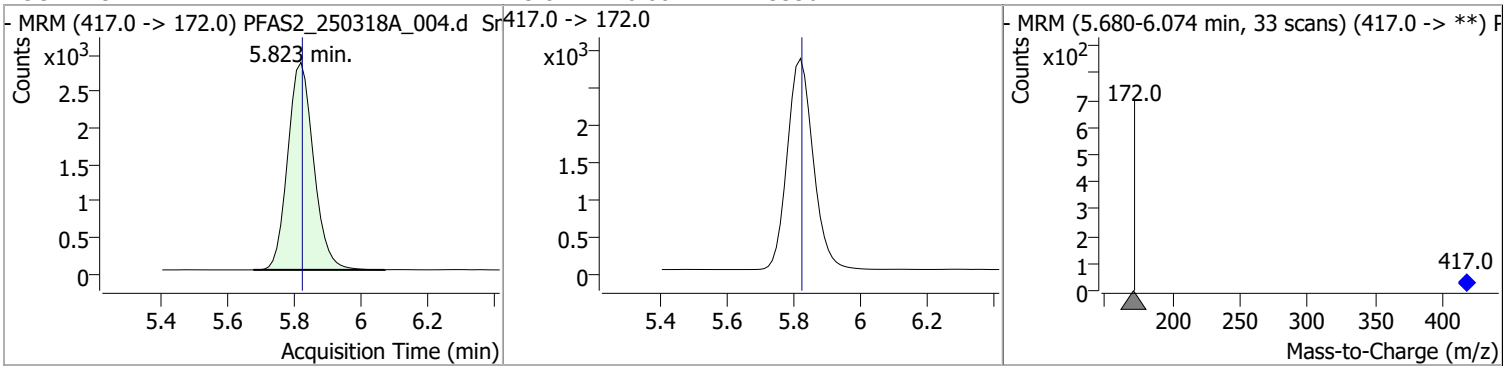
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	1.8781	5.64	0.00	19884	427.0 -> 81.0	33.4	17.7	32.8



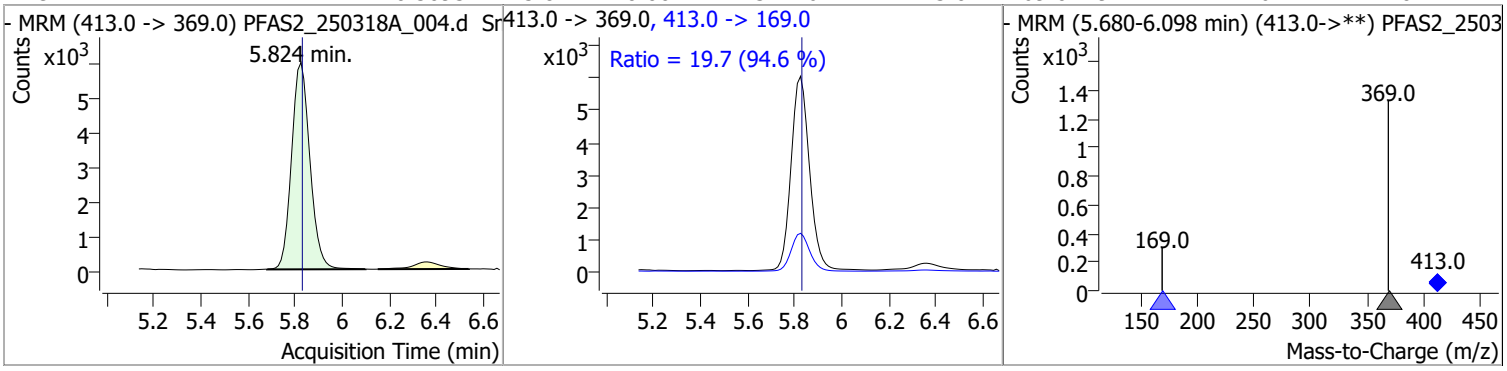
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5050	5.82	0.00	172023				



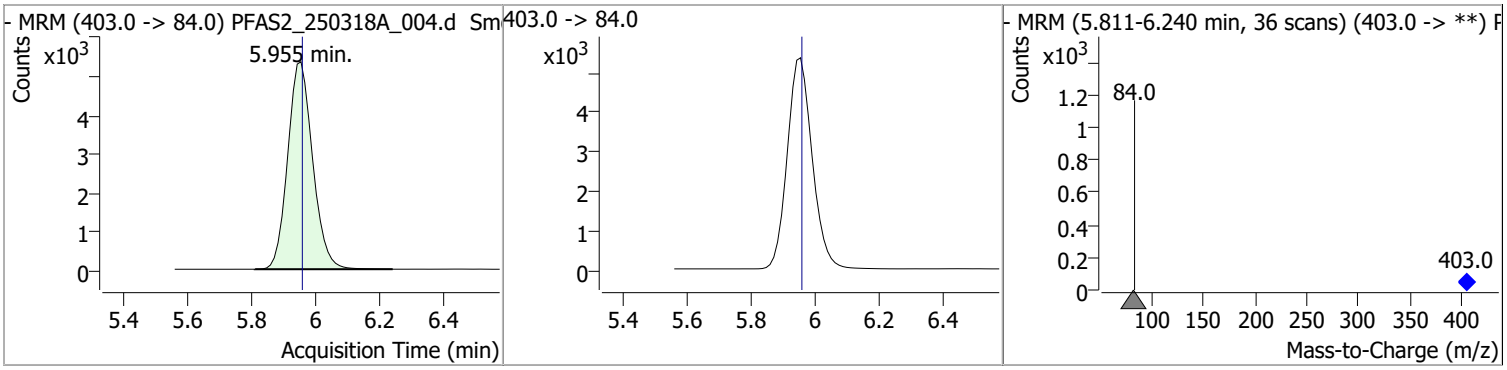
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15356				



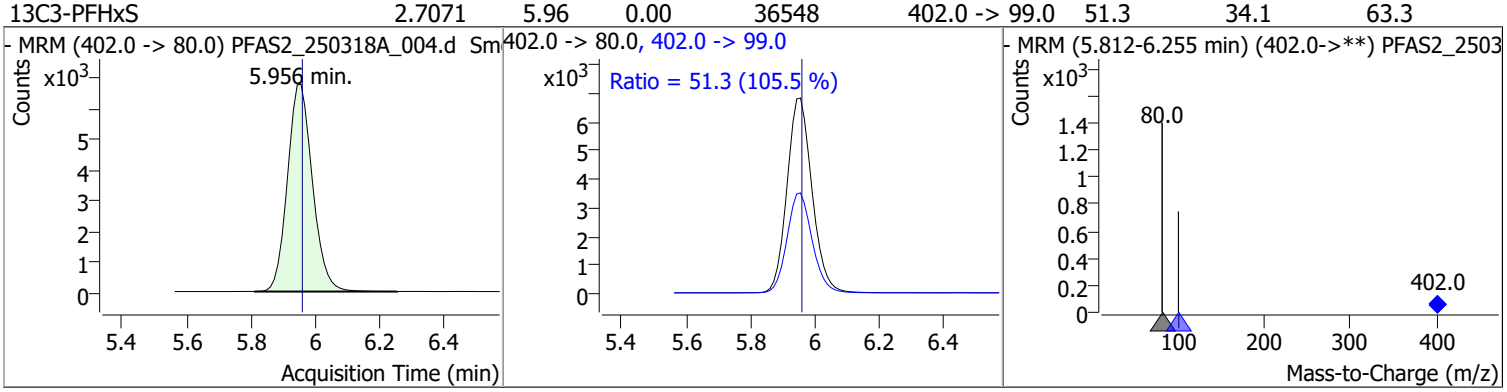
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5093	5.82	0.00	32276	413.0 -> 169.0	19.7	14.6	27.0



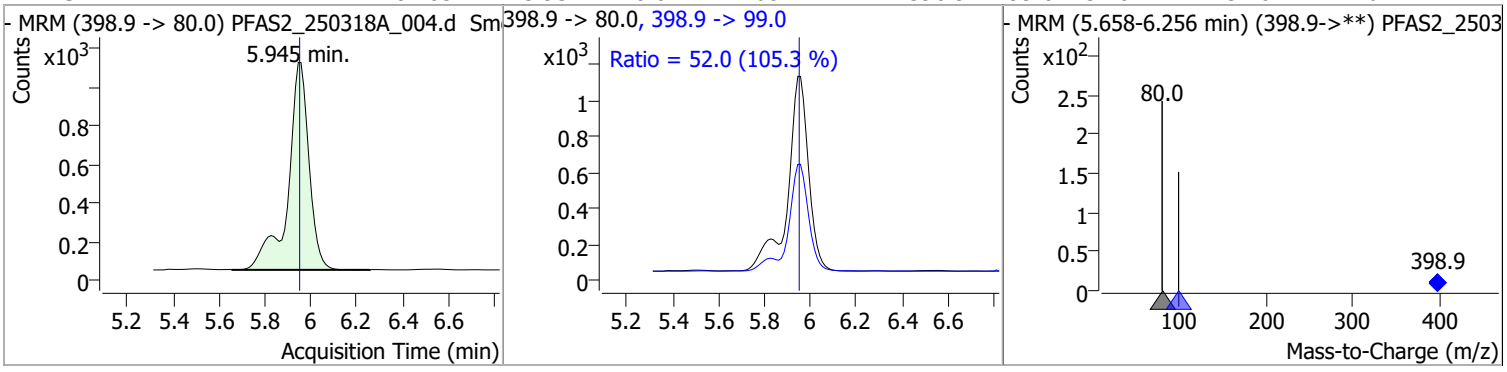
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28623				



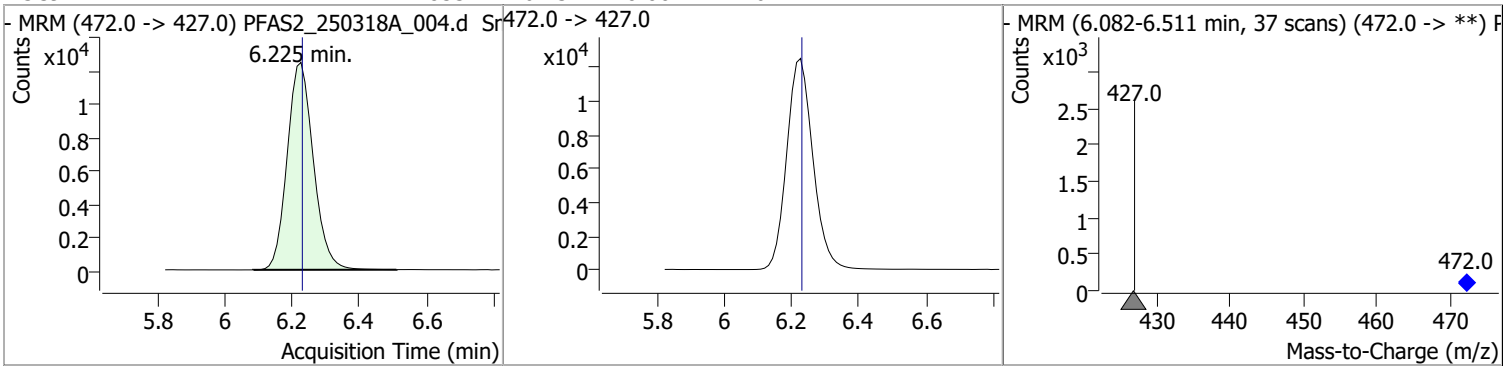
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.7071	5.96	0.00	36548	402.0 -> 99.0	51.3	34.1	63.3



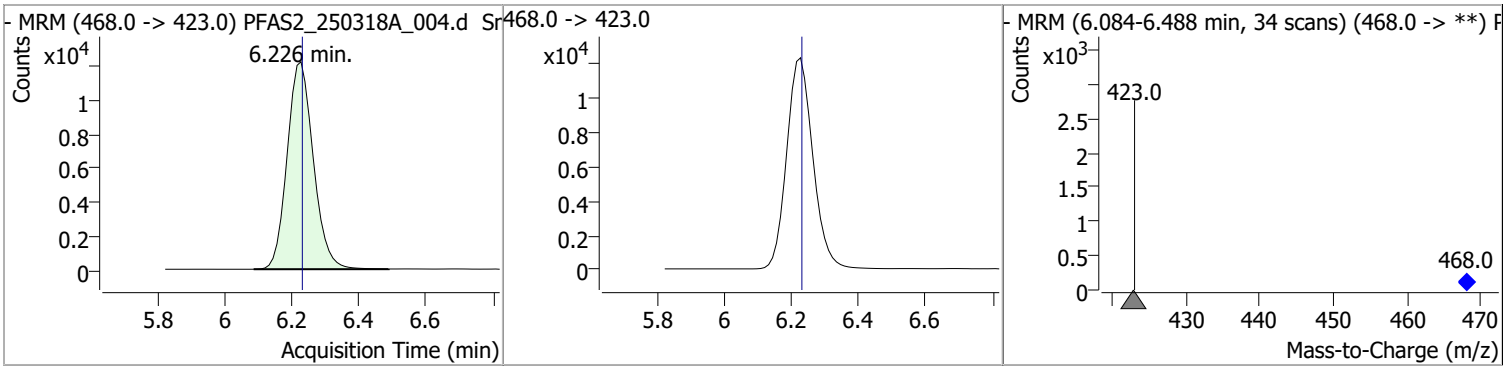
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.4837	5.95	-0.01	6877	398.9 -> 99.0	52.0	34.6	64.2



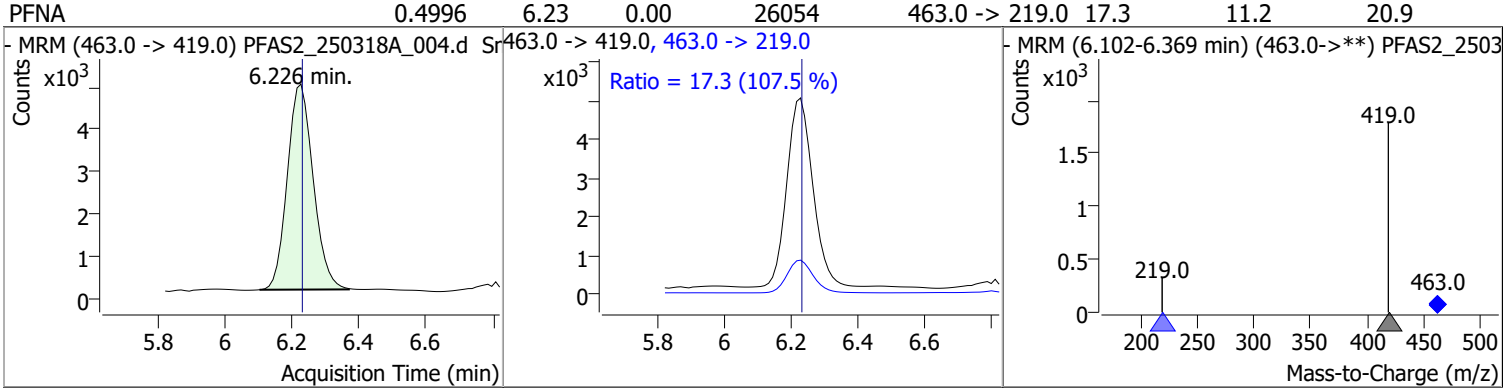
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2853	6.23	0.00	67714				



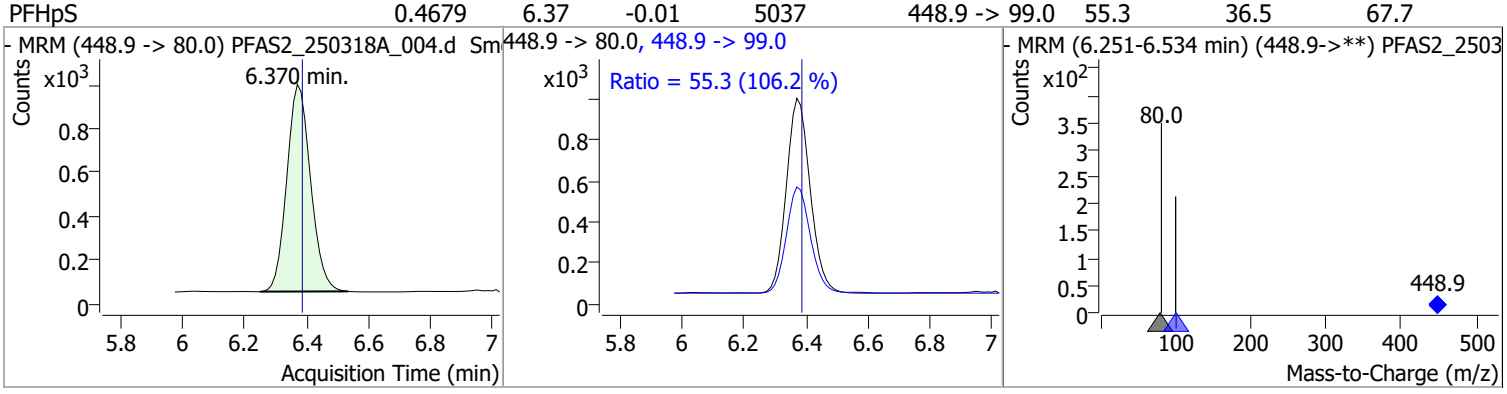
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	66486				



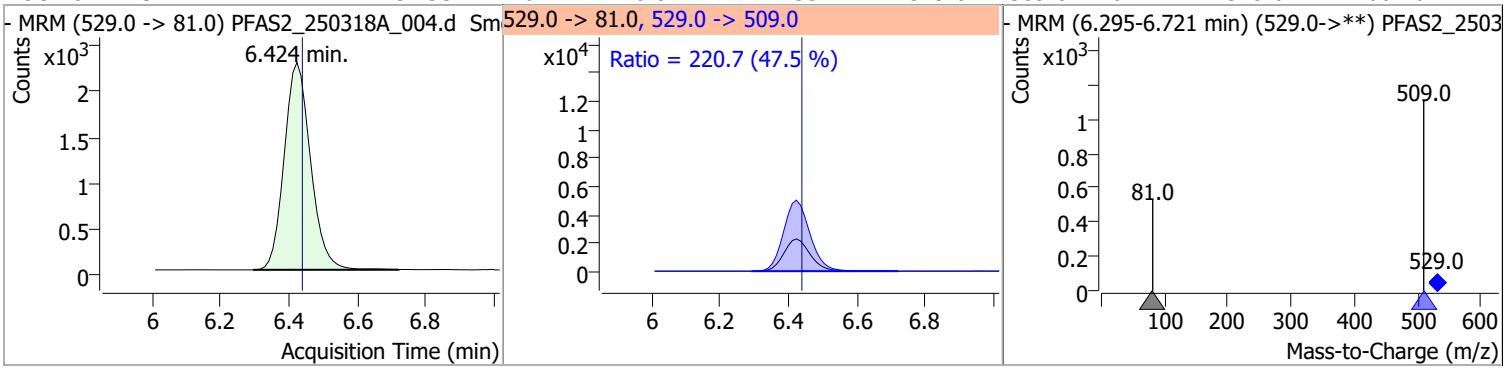
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4996	6.23	0.00	26054	463.0 -> 219.0	17.3	11.2	20.9



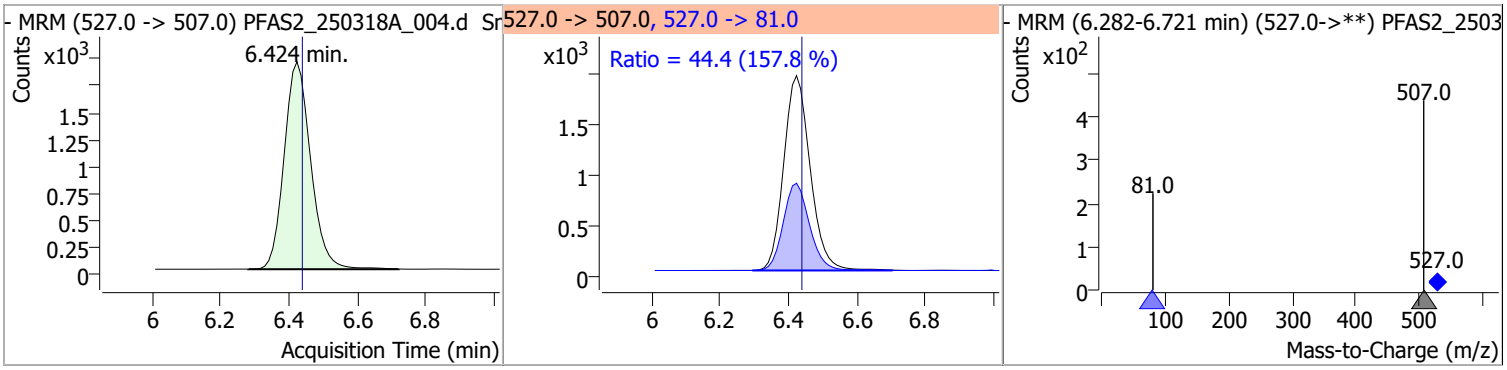
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.4679	6.37	-0.01	5037	448.9 -> 99.0	55.3	36.5	67.7



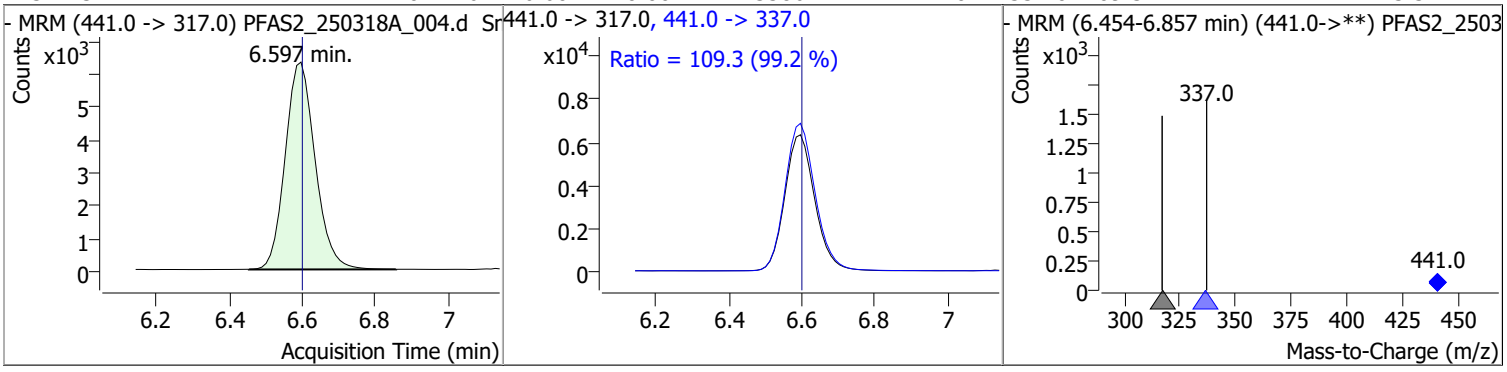
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2954	6.42	-0.01	12135	529.0 -> 509.0	220.7	325.6	604.6



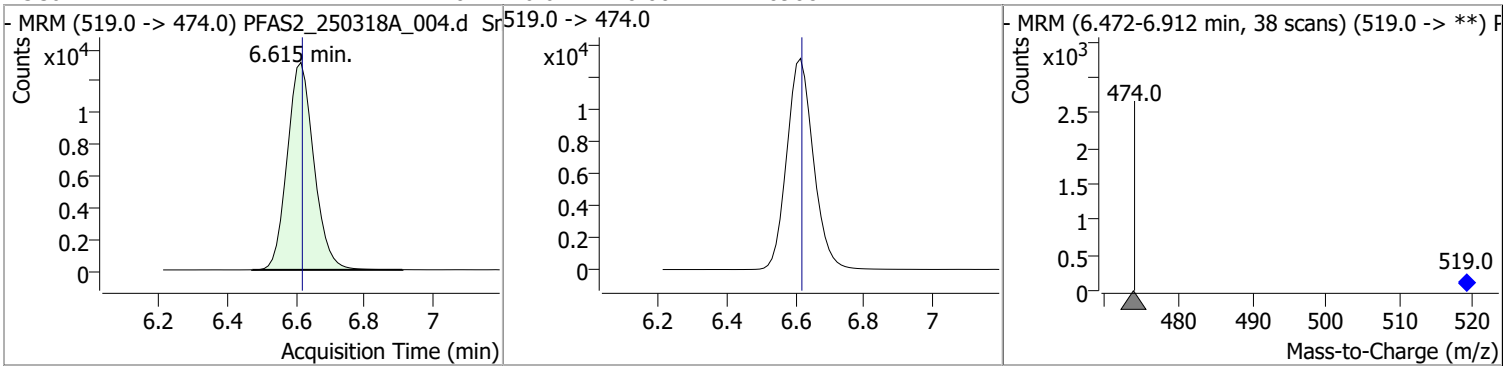
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	1.9433	6.42	-0.01	10350	527.0 -> 81.0	44.4	19.7	36.6



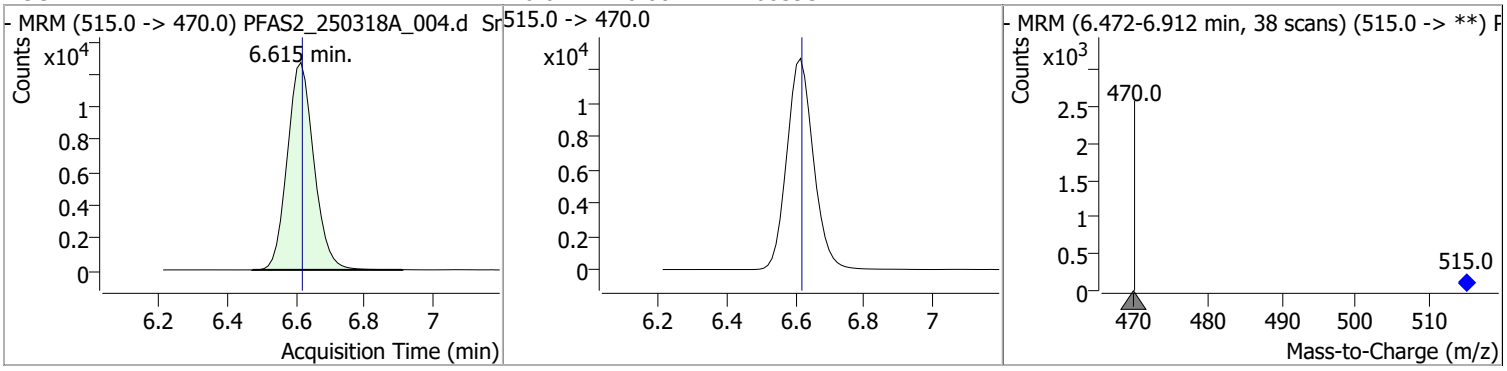
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	10.4176	6.60	0.00	35862	441.0 -> 337.0	109.3	77.1	143.3



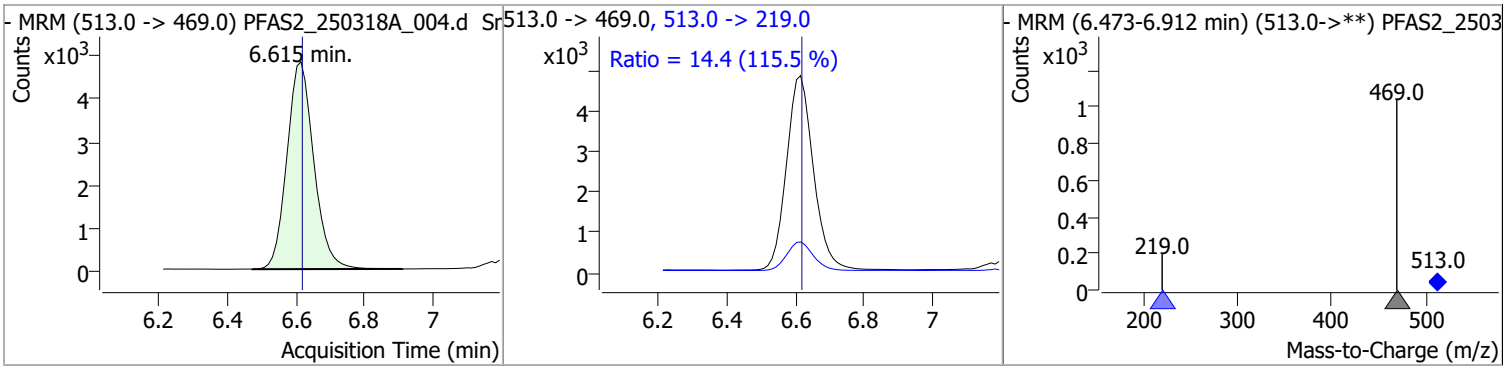
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2740	6.61	0.00	70908				



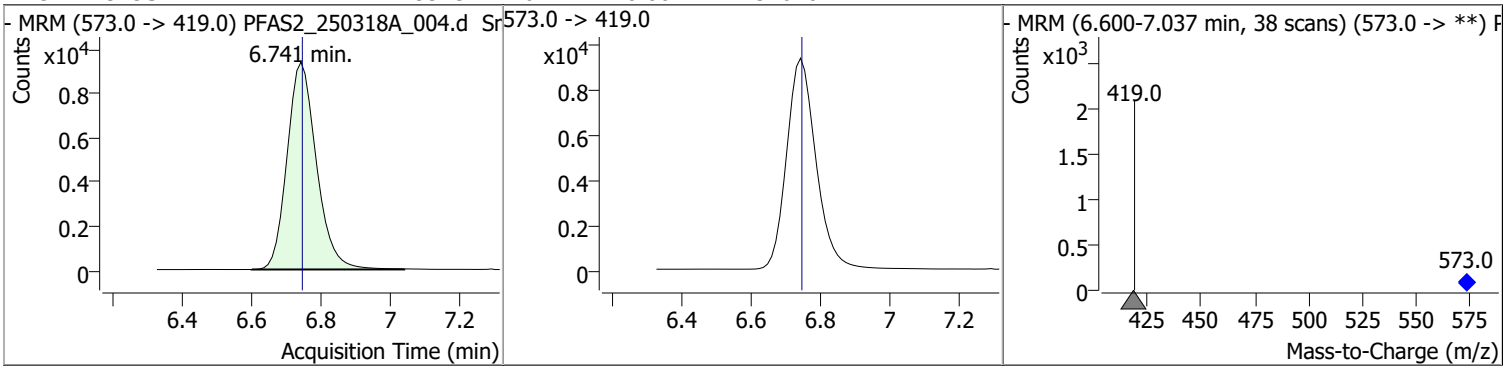
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	68395				



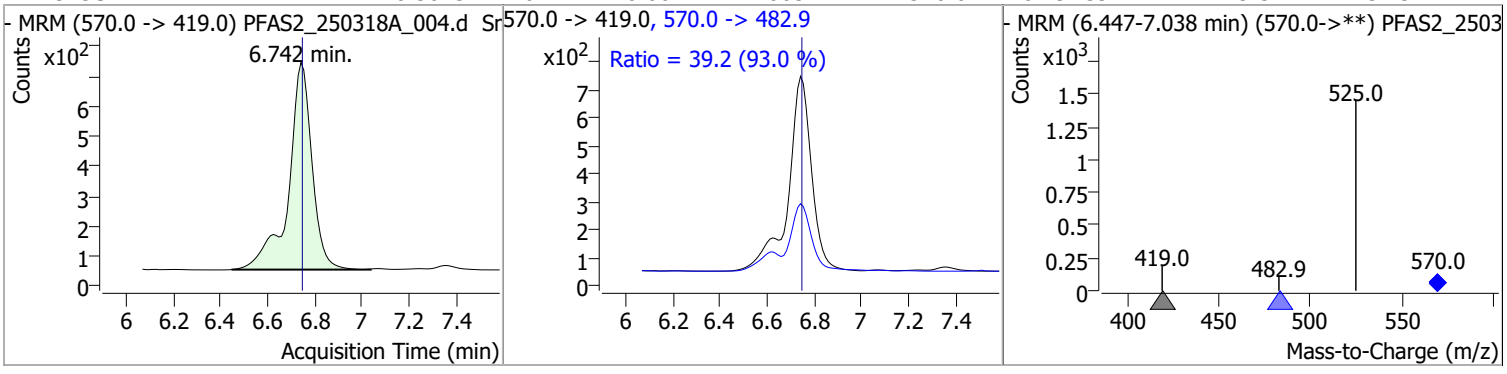
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.5028	6.62	0.00	26247	513.0 -> 219.0	14.4	8.7	16.2



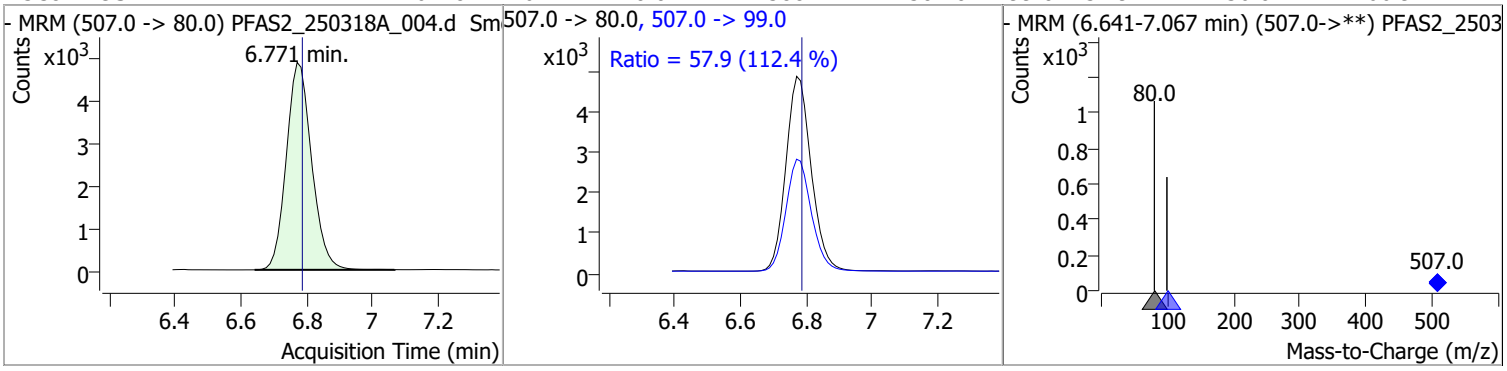
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9923	6.74	0.00	54670				



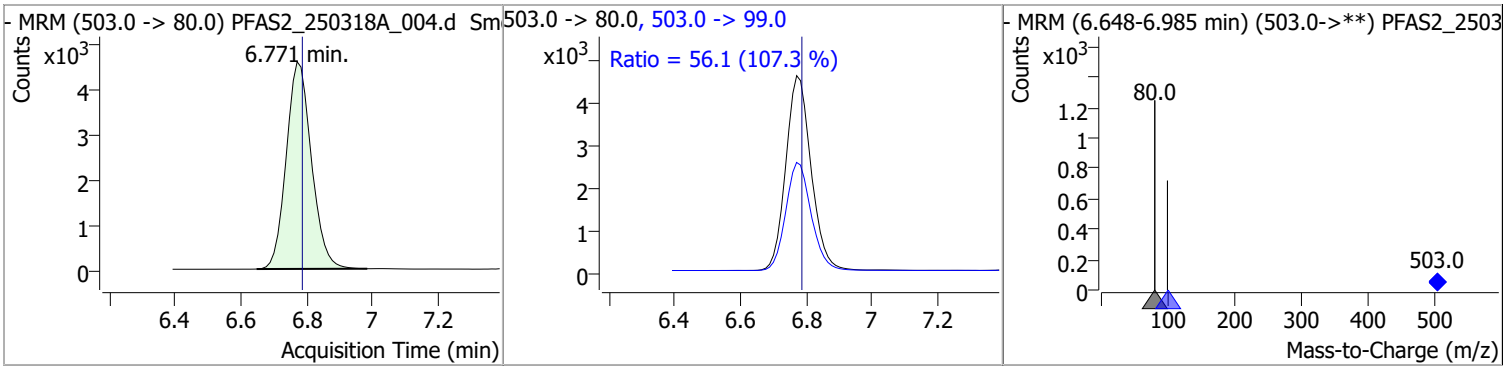
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.5043	6.74	0.00	4803	570.0 -> 482.9	39.2	29.5	54.9



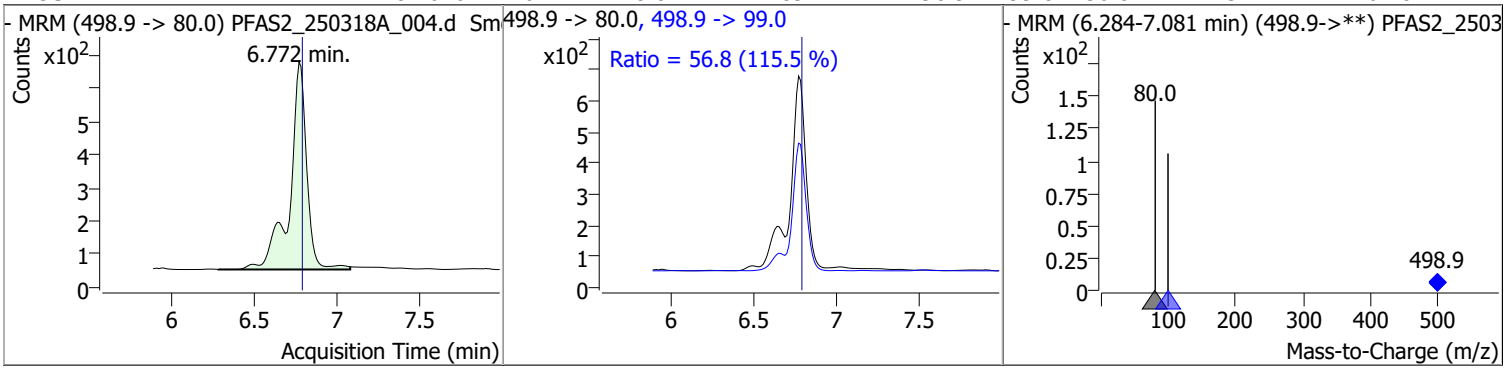
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.6128	6.77	-0.01	25881	507.0 -> 99.0	57.9	36.0	66.9



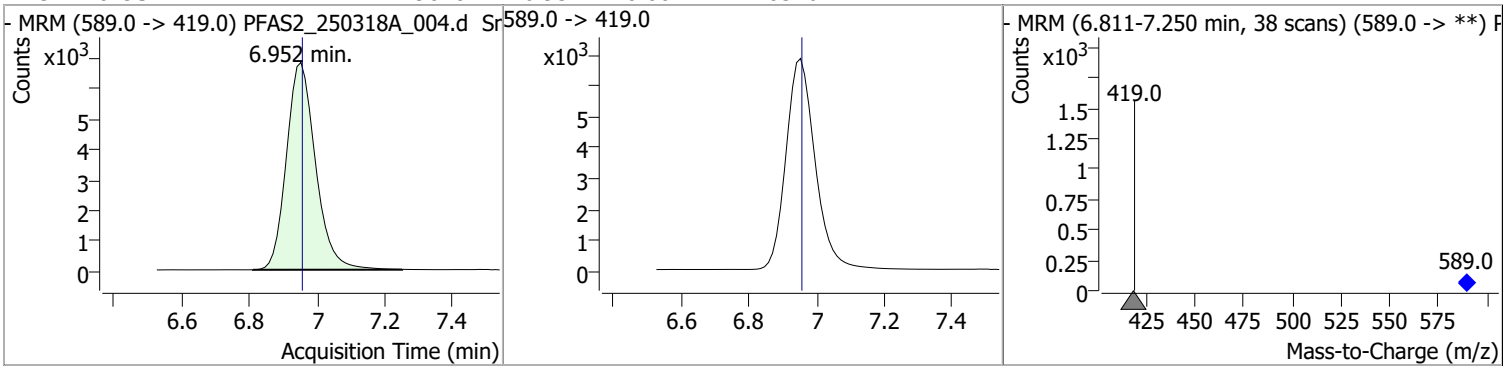
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24406	503.0 -> 99.0	56.1	36.6	67.9



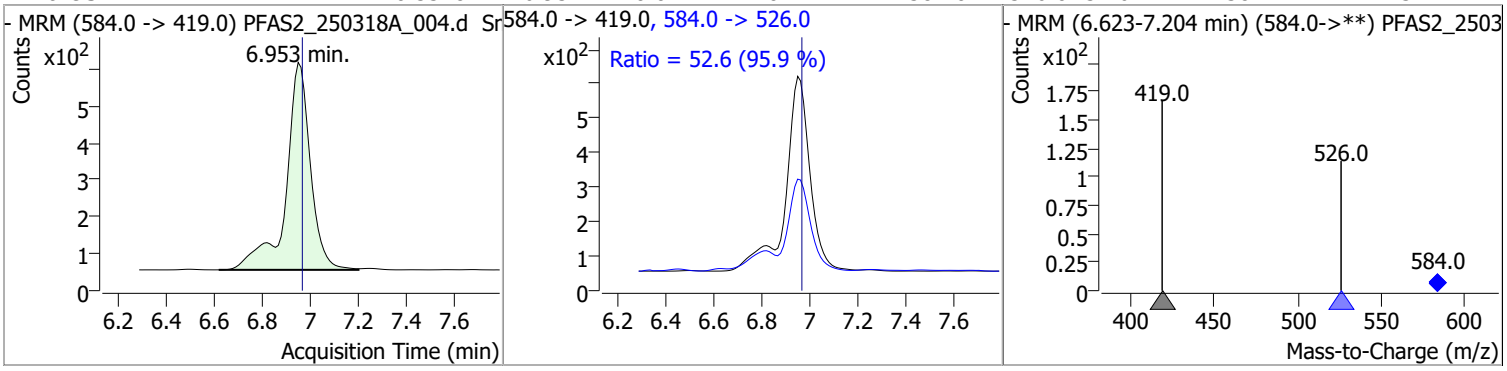
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.4616	6.77	-0.01	4489	498.9 -> 99.0	56.8	34.4	64.0



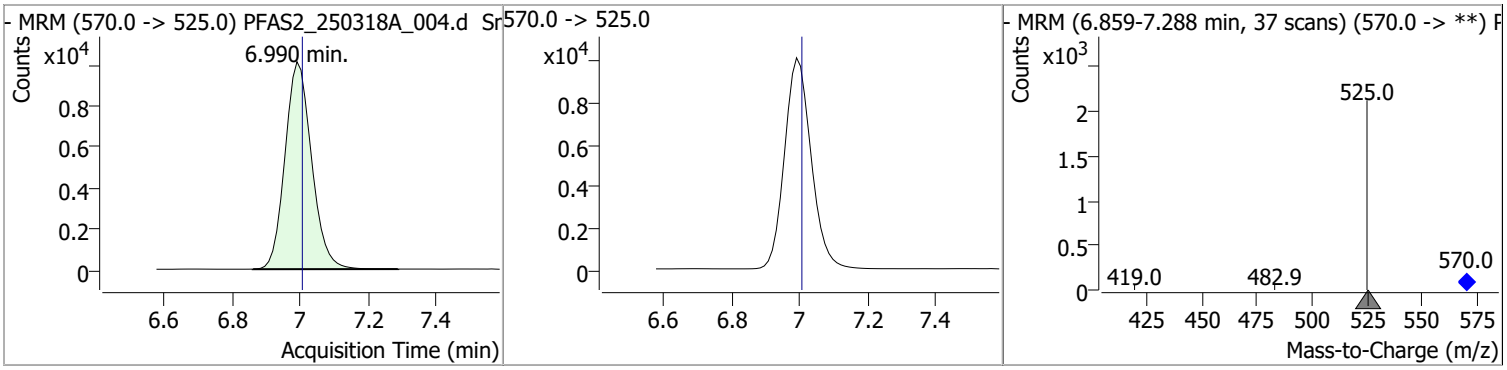
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9078	6.95	0.00	40576				



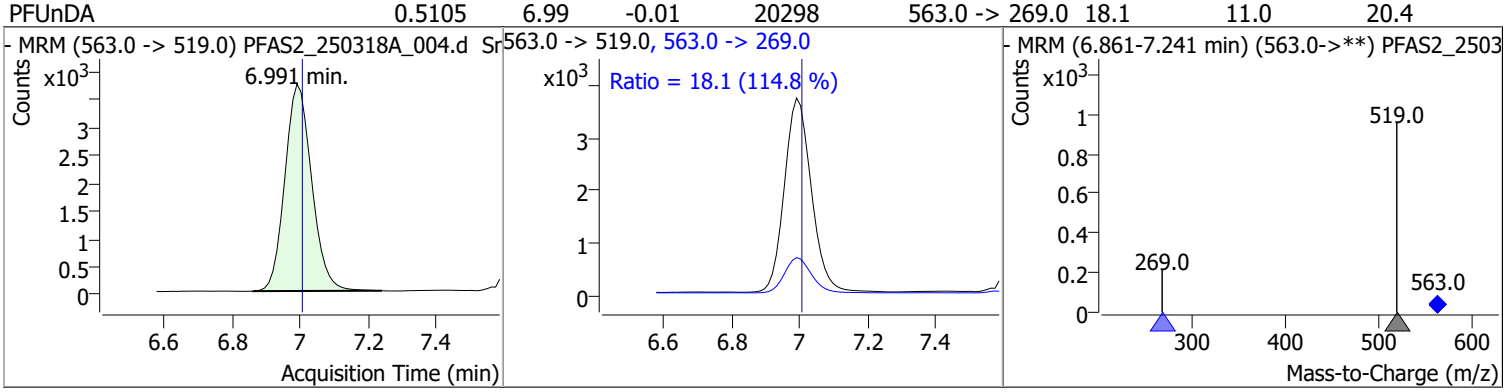
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.5348	6.95	-0.01	4021	584.0 -> 526.0	52.6	38.4	71.3



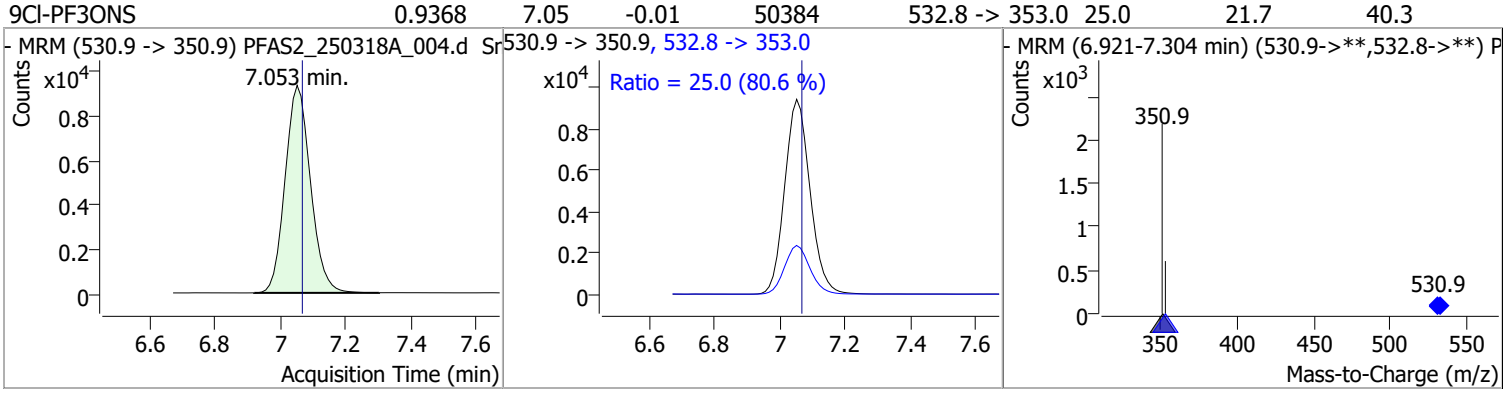
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2494	6.99	-0.01	54804				



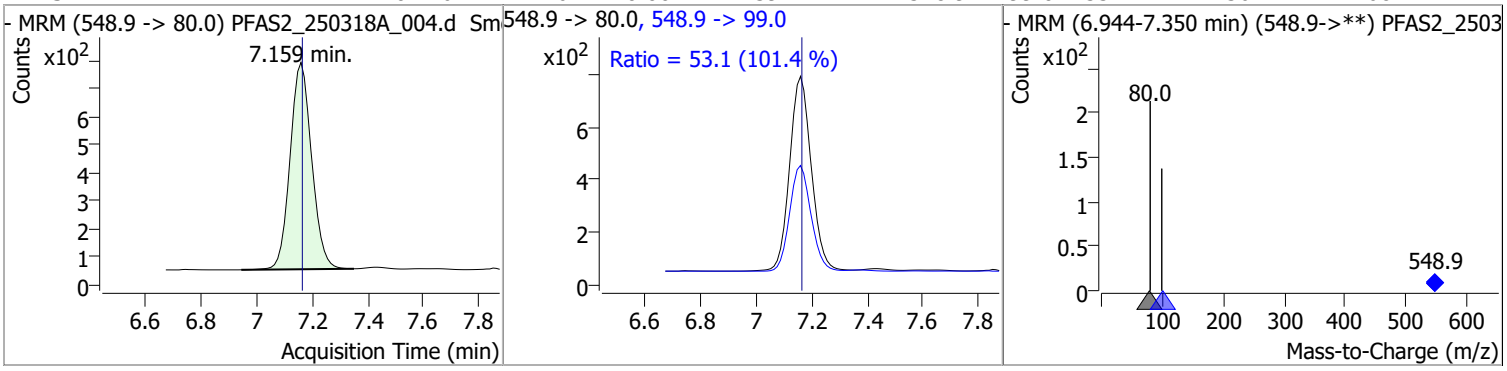
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.5105	6.99	-0.01	20298	563.0 -> 269.0	18.1	11.0	20.4



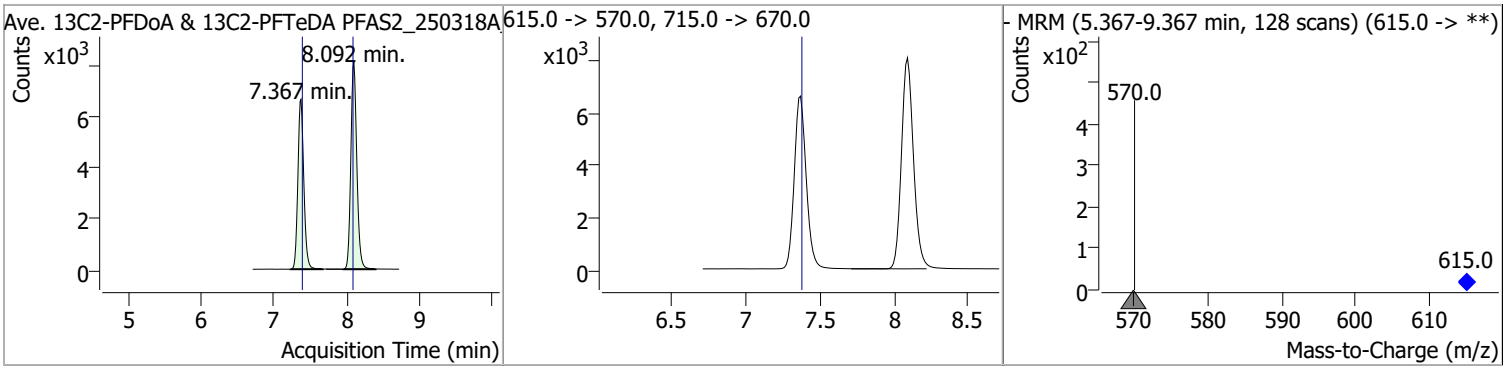
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.9368	7.05	-0.01	50384	532.8 -> 353.0	25.0	21.7	40.3



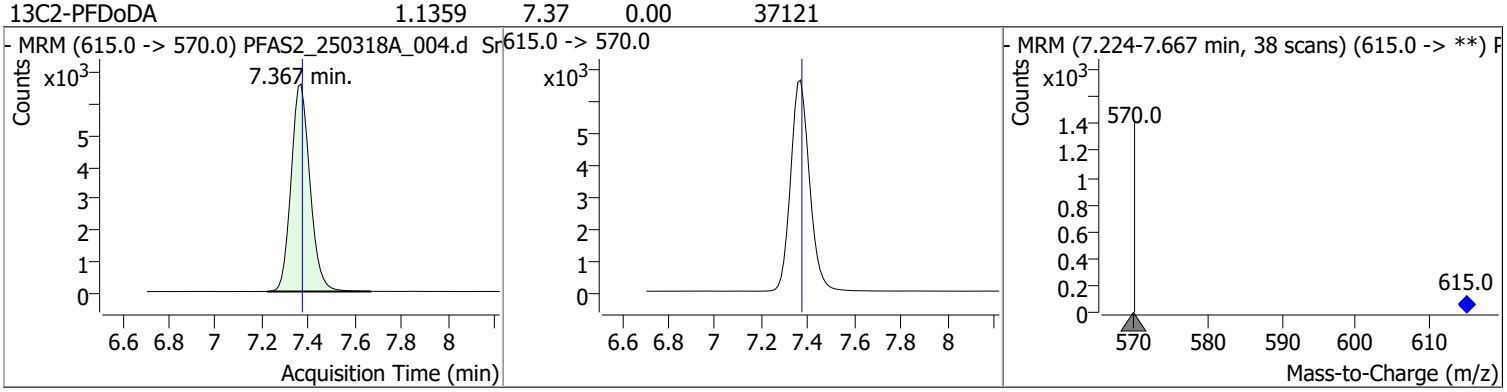
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.4467	7.16	0.00	3944	548.9 -> 99.0	53.1	36.7	68.1



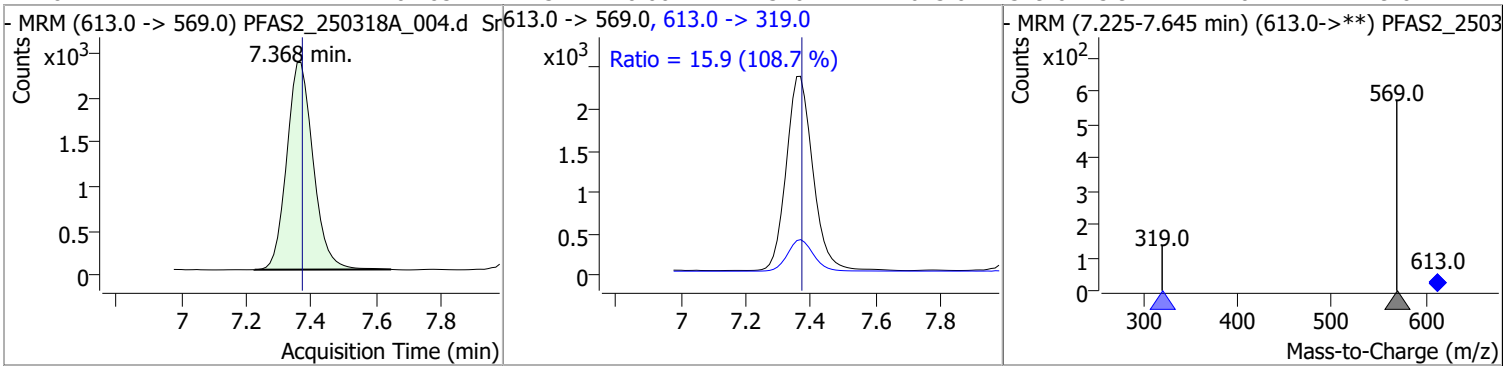
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1467	7.73	0.36	41458				



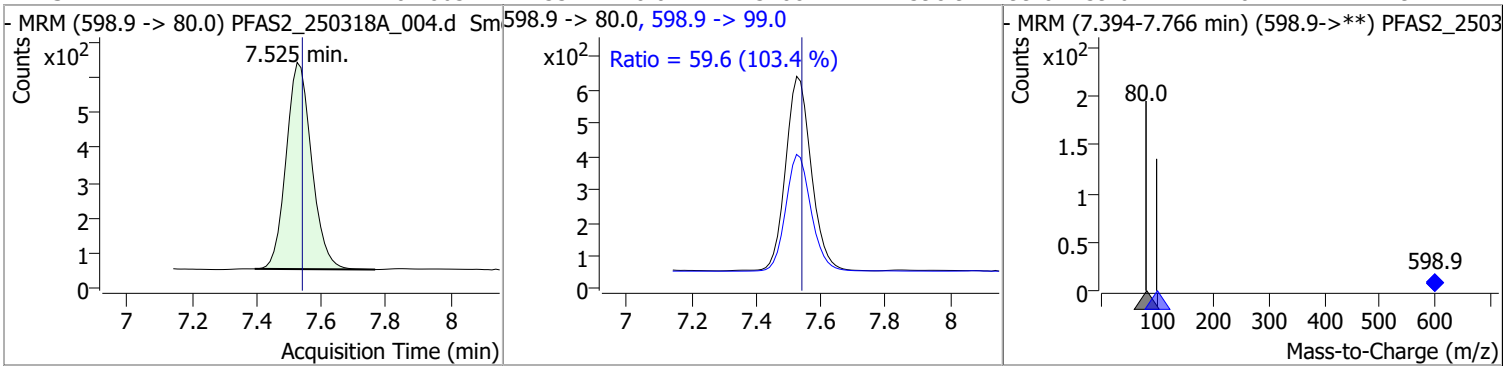
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1359	7.37	0.00	37121				



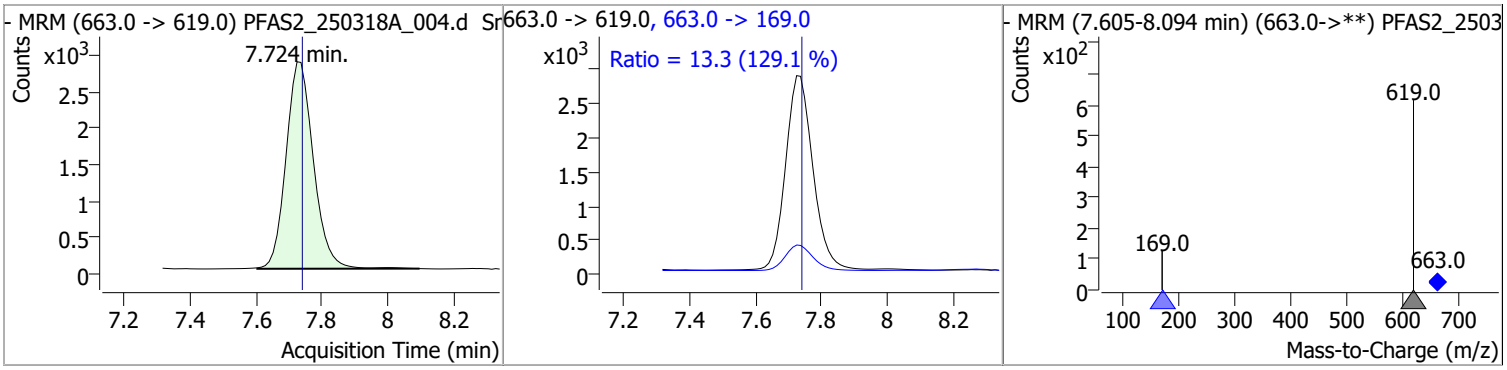
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.4851	7.37	0.00	13201	613.0 -> 319.0	15.9	10.2	19.0



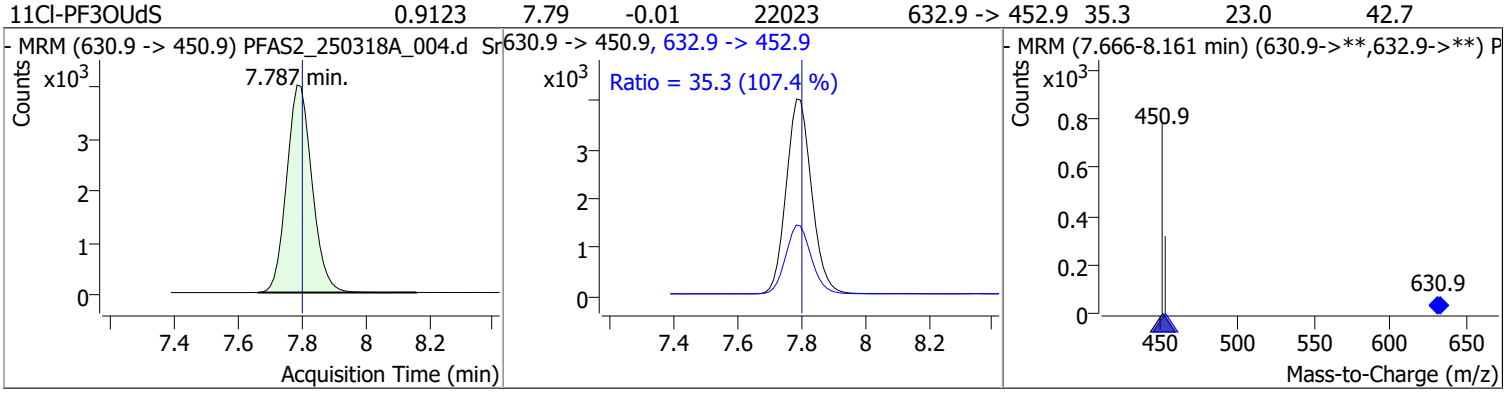
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.4863	7.53	-0.01	3208	598.9 -> 99.0	59.6	40.4	74.9



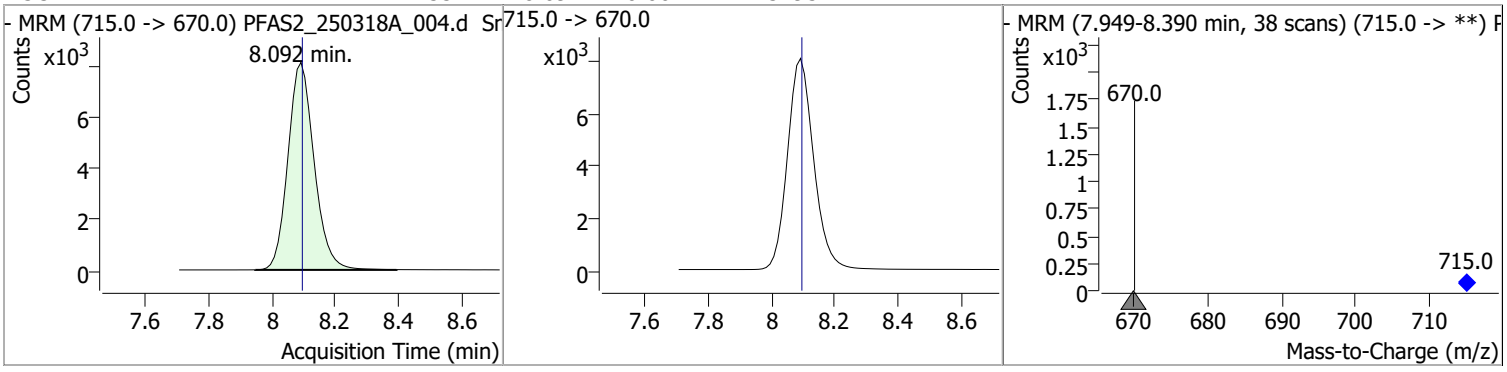
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.5244	7.72	-0.01	16381	663.0 -> 169.0	13.3	7.2	13.4



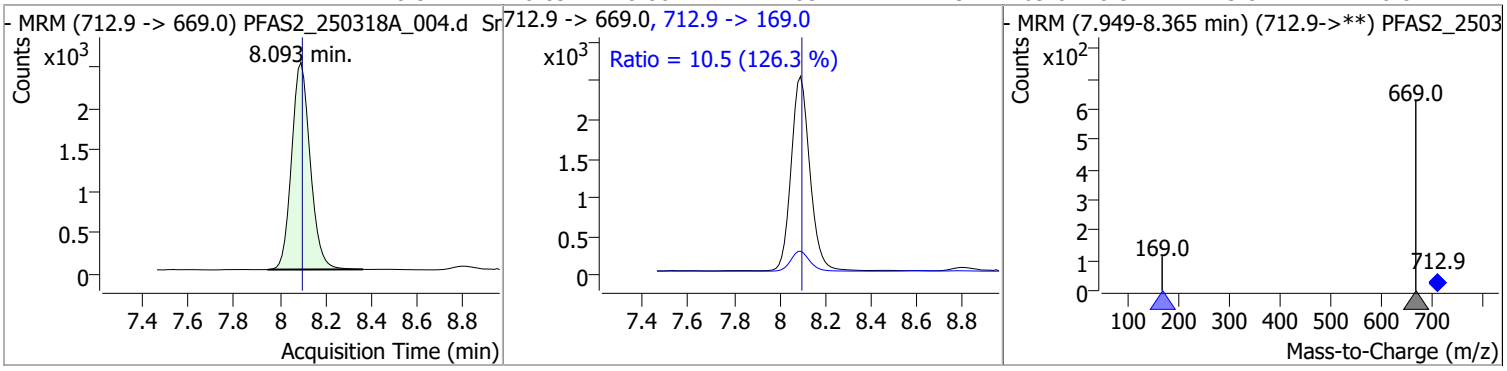
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.9123	7.79	-0.01	22023	632.9 -> 452.9	35.3	23.0	42.7



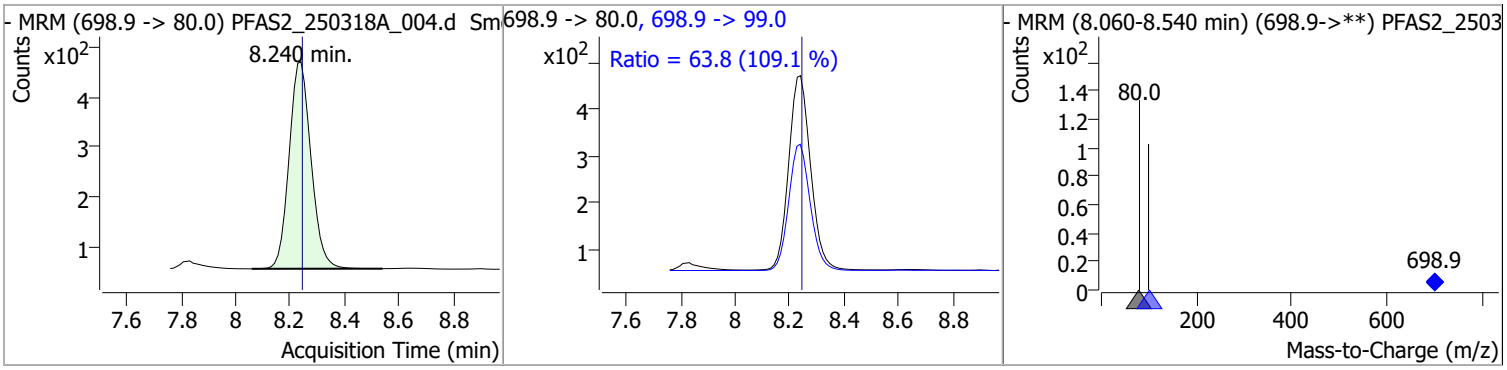
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1557	8.09	0.00	45795				



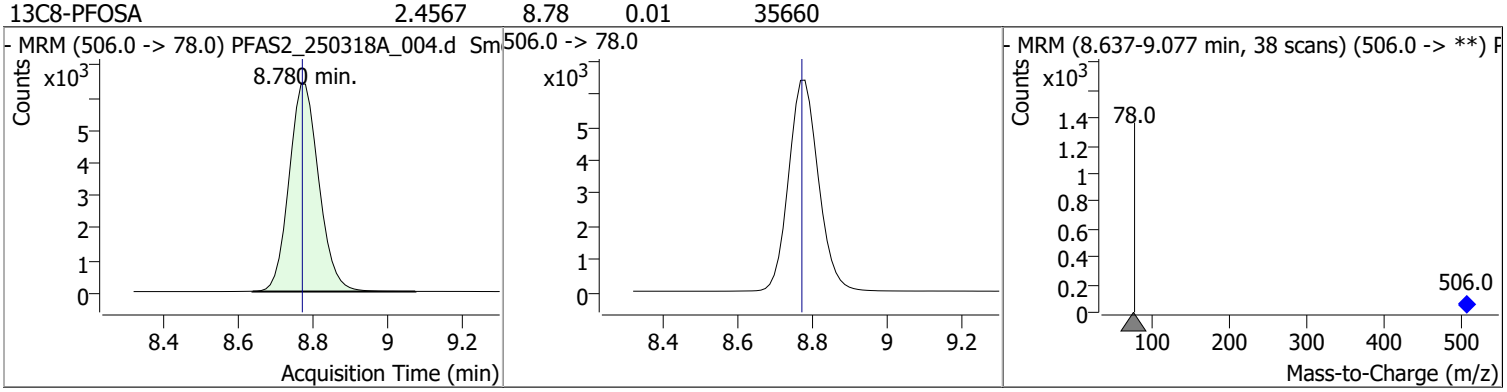
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5117	8.09	0.00	14185	712.9 -> 169.0	10.5	5.8	10.8



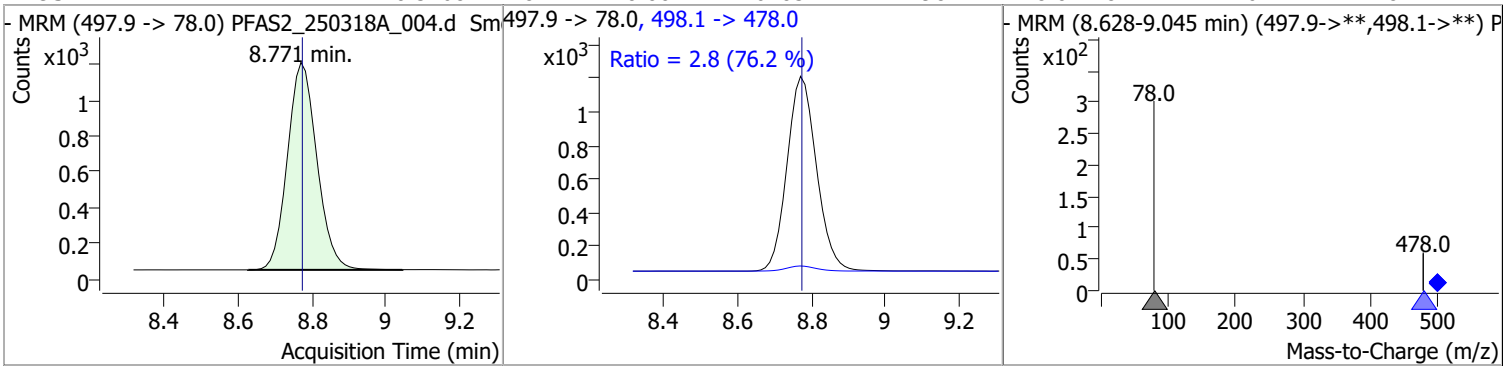
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.5038	8.24	0.00	2324	698.9 -> 99.0	63.8	41.0	76.1



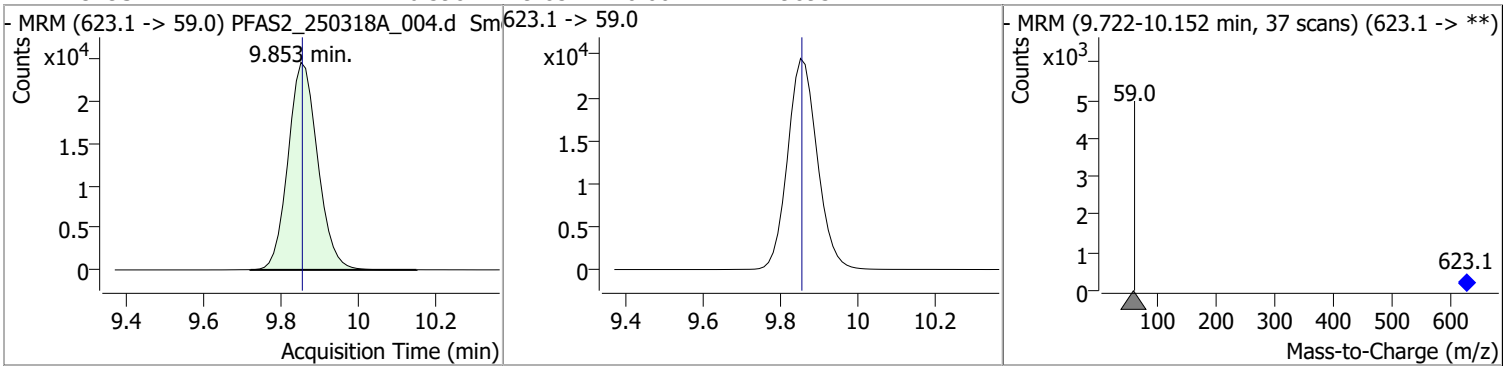
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4567	8.78	0.01	35660				



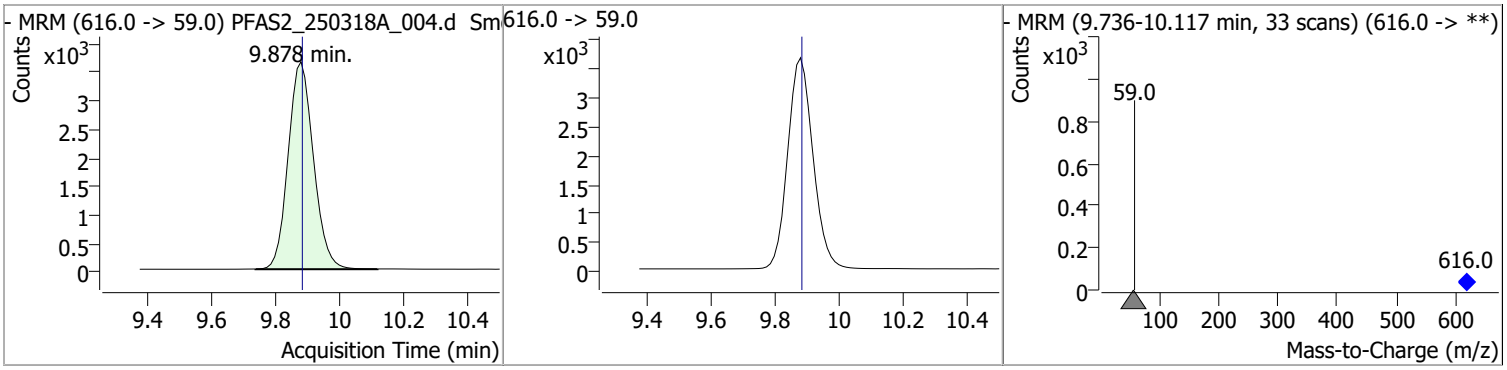
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.5168	8.77	0.00	6405	498.1 -> 478.0	2.8	2.6	4.8



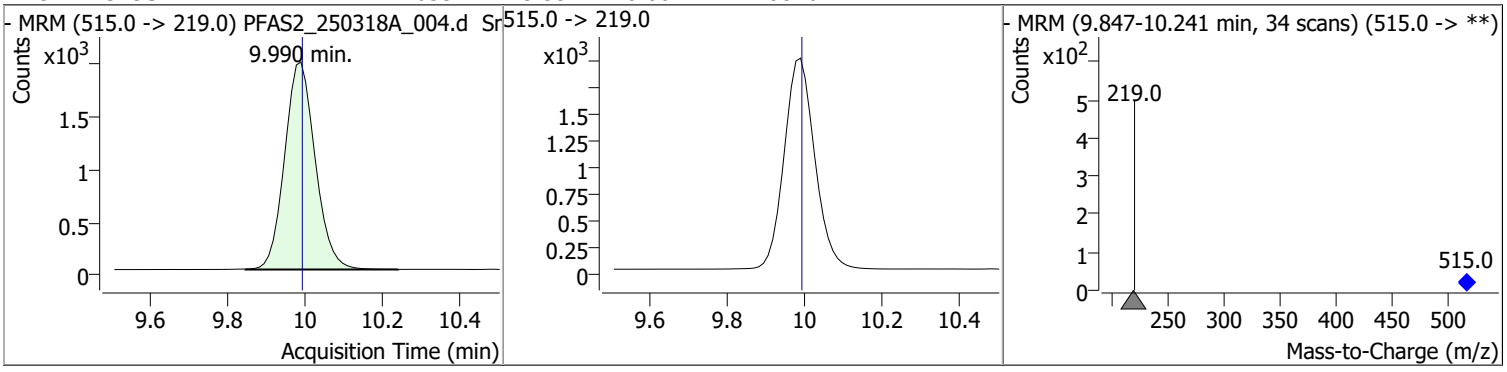
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	26.3982	9.85	0.00	129893				



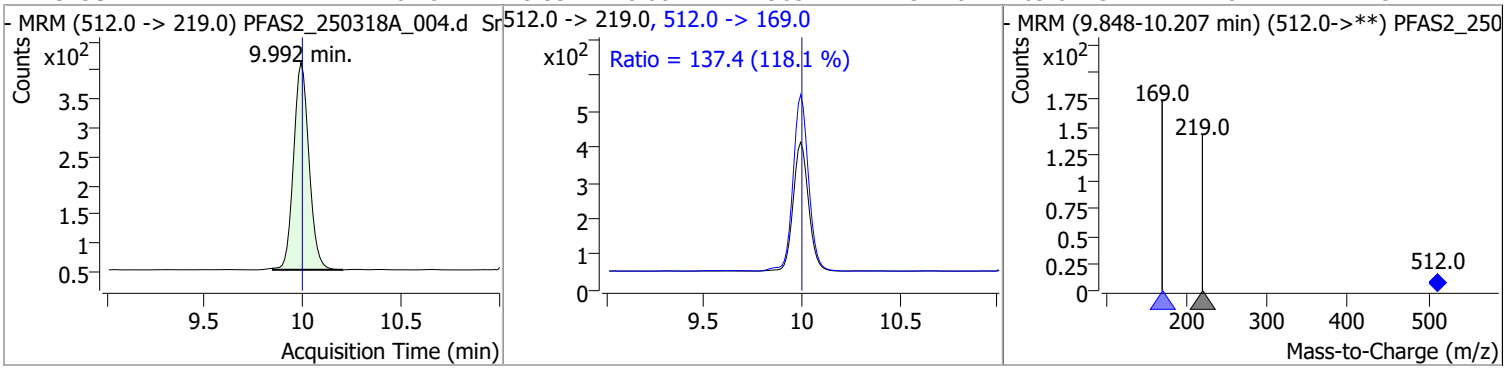
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	5.0521	9.88	0.00	19933				



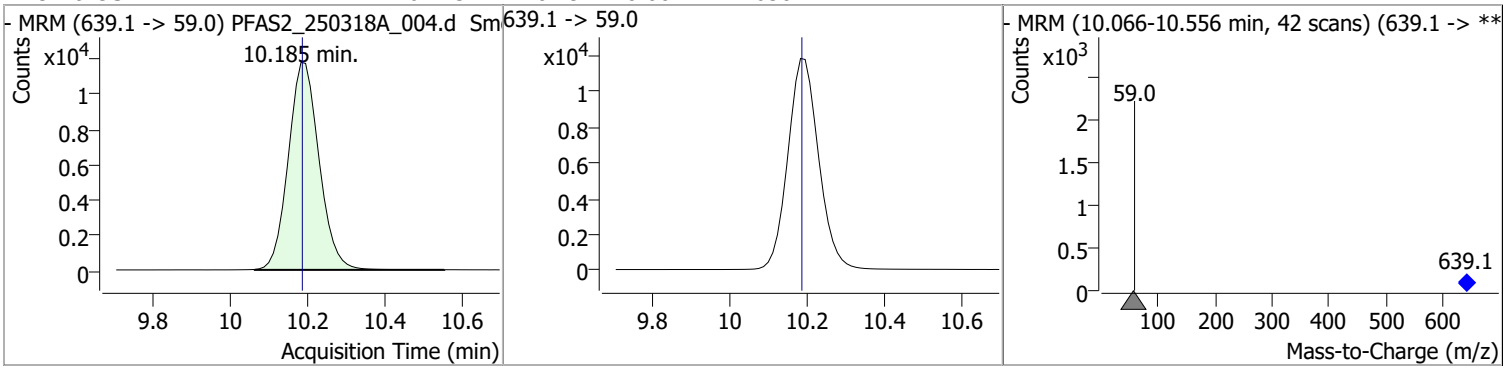
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6551	9.99	0.00	10816				



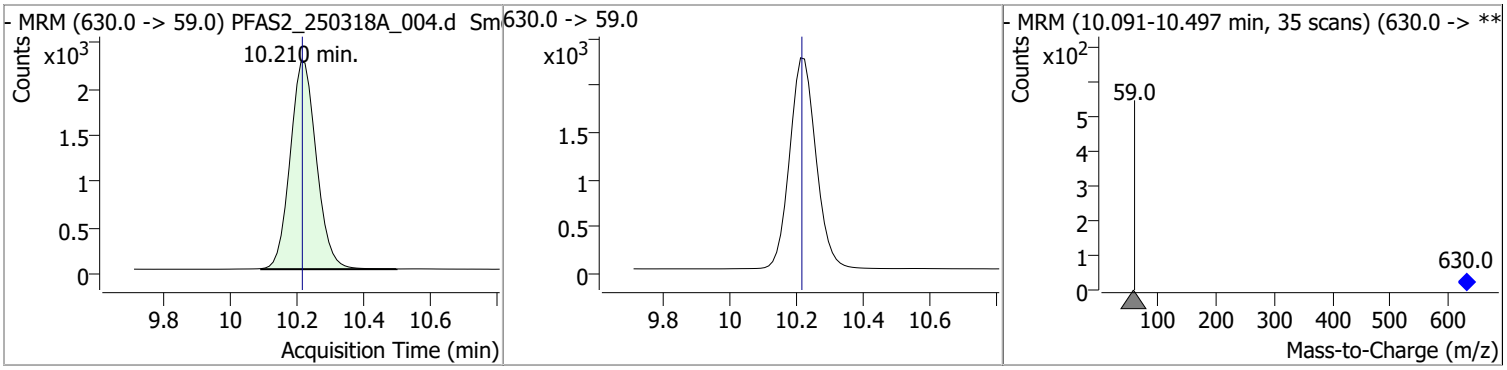
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.4827	9.99	0.00	1963	512.0 -> 169.0	137.4	81.4	151.2



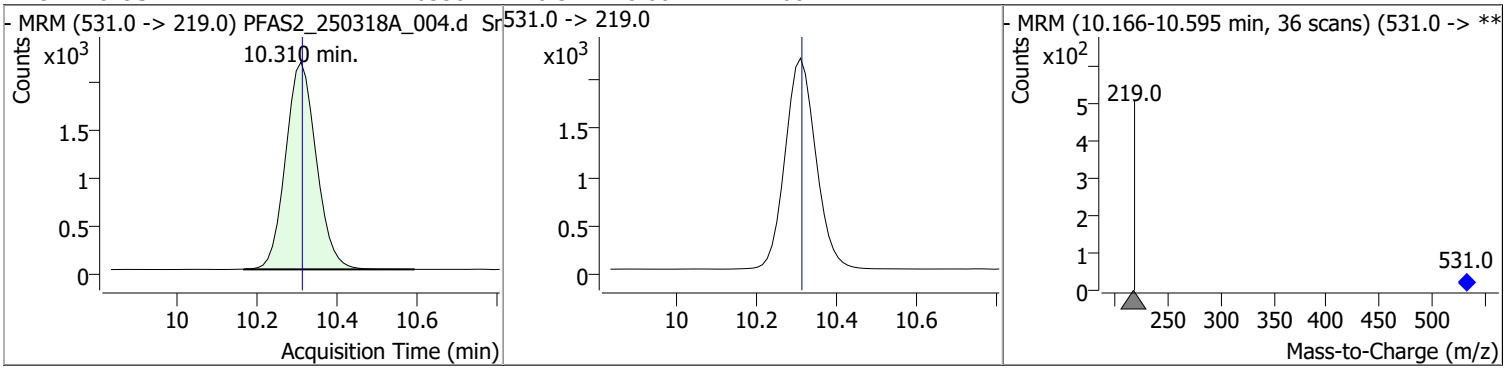
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.1234	10.19	0.00	65047				



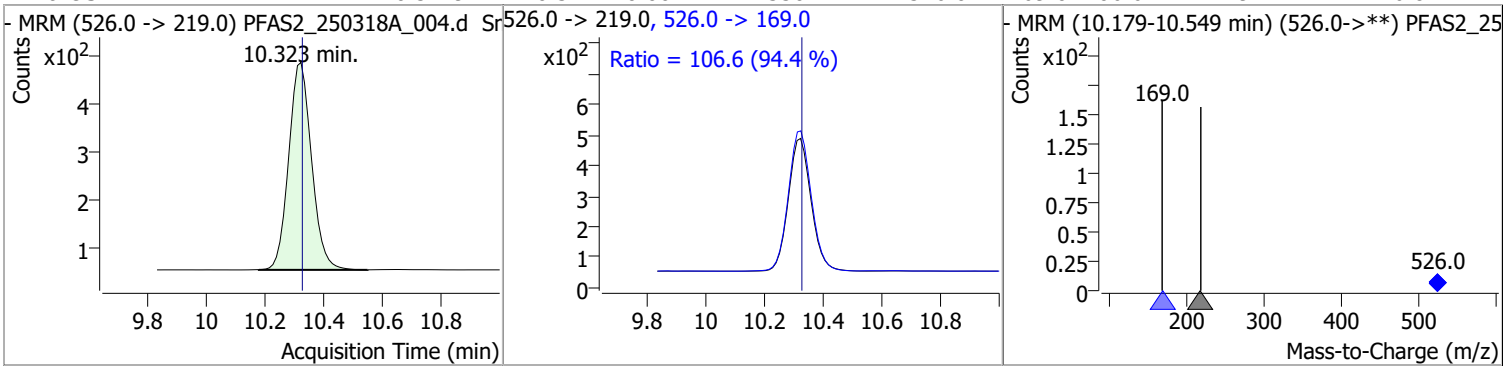
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.2943	10.21	0.00	12341				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.6350	10.31	0.00	11607				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.5249	10.32	0.00	2350	526.0 -> 169.0	106.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_005.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:51:42 PM
Sample Name	SEQ-CAL3	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

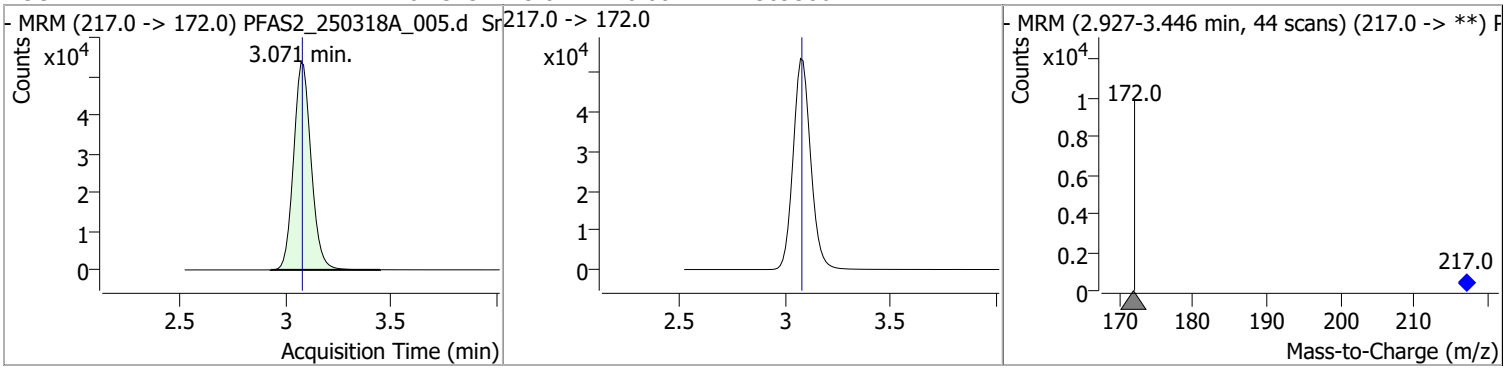
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	133068	5.0000	µg/L		-2.758
13C2-PFHxA	4.890	315.0 -> 270.0	154448	2.5000	µg/L		0.667
18O2-PFHxS	5.955	403.0 -> 84.0	29828	2.5000	µg/L		0.667
13C4-PFOA	5.823	417.0 -> 172.0	15304	2.5000	µg/L		-0.933
13C5-PFNA	6.226	468.0 -> 423.0	72731	1.2500	µg/L		2.190
13C2-PFDA	6.615	515.0 -> 470.0	63465	1.2500	µg/L		-5.100
13C4-PFOS	6.771	503.0 -> 80.0	23910	2.5000	µg/L		-4.011
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	309386	10.0000	µg/L		-0.465
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.31%			
13C5-PFPeA	4.222	268.0 -> 223.0	216034	5.0000	µg/L		4.405
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.72%			
13C5-PFPeA	4.222	268.0 -> 223.0	216034	5.0000	µg/L		4.405
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.72%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29118	5.0000	µg/L	#	15.253
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 114.95%			
13C5-PFHxA	4.889	318.0 -> 273.0	167323	2.5000	µg/L		-0.901
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.42%			
13C5-PFHxA	4.889	318.0 -> 273.0	167323	2.5000	µg/L		-0.901
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.42%			
13C3-PFBS	4.929	302.0 -> 80.0	62255	2.5000	µg/L		2.522
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.95%			
13C3-PFBS	4.929	302.0 -> 80.0	62255	2.5000	µg/L		2.522
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.95%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	179536	10.0000	µg/L		2.727
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.04%			
13C4-PFHpA	5.397	367.0 -> 322.0	185186	2.5000	µg/L		-1.959
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.42%			
13C3-PFHxS	5.956	402.0 -> 80.0	34222	2.5000	µg/L		-2.078
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.30%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15920	5.0000	µg/L	#	7.797
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.20%			
13C8-PFOA	5.823	421.0 -> 376.0	178431	2.5000	µg/L		3.295
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.29%			
13C3-PFHxS	5.956	402.0 -> 80.0	34222	2.5000	µg/L		-2.078
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.30%			
13C9-PFNA	6.225	472.0 -> 427.0	73699	1.2500	µg/L		4.591
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.30%			
13C8-PFOS	6.771	507.0 -> 80.0	24853	2.5000	µg/L		-1.703
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12197	5.0000	µg/L	#	2.970
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.16%			
13C6-PFDA	6.615	519.0 -> 474.0	71569	1.2500	µg/L		5.310
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 110.86%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	52046	5.0000	µg/L		-6.759

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.03%			
13C8-PFOS	6.771	507.0 -> 80.0	24853	2.5000	µg/L		-1.703
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	39454	5.0000	µg/L		-6.439
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.42%			
13C7-PFUnDA	6.990	570.0 -> 525.0	55244	1.2500	µg/L		3.062
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 108.59%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	43867	1.2500	µg/L		-0.563
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	37891	1.2500	µg/L		-5.143
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.96%			
13C2-PFTDA	8.092	715.0 -> 670.0	49843	1.2500	µg/L		3.227
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 108.44%			
13C8-PFOSA	8.780	506.0 -> 78.0	36388	2.5000	µg/L		-1.550
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.36%			
2H7-MeFOSE	9.853	623.1 -> 59.0	138053	25.0000	µg/L		9.877
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 114.56%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8416	2.5000	µg/L		-18.834
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 84.36%			
2H9-EtFOSE	10.185	639.1 -> 59.0	63828	25.0000	µg/L		0.501
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 104.66%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10691	2.5000	µg/L		-4.889
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.10%			
Target Compounds							QValue
PFBA	3.079	213.0 -> 169.0	102401	3.8508	µg/L		100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 96.27%			
PFMPA	3.614	229.0 -> 85.0	38102	1.8806	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 94.03%			
3-3 FTCA	3.790	241.0 -> 177.0	2998	4.1329	µg/L		88
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.32%			
PFPeA	4.223	263.0 -> 219.0	75711	1.9157	µg/L	#	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 95.79%			
PFMBA	4.453	279.0 -> 85.0	57543	1.9280	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.40%			
4-2 FTSA	4.698	327.0 -> 307.0	63869	3.6090	µg/L		97
Spiked Amount: 3.750	Range: 70 - 130%			Recovery = 96.24%			
NFDHA	4.823	295.0 -> 201.0	2859	2.3237	µg/L		99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 116.18%			
PFHxA	4.892	313.0 -> 269.0	59708	0.9972	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.72%			
PFBS	4.930	298.9 -> 80.0	22621	0.8757	µg/L		91
Spiked Amount: 0.887	Range: 70 - 130%			Recovery = 98.72%			
HFPO-DA	5.075	285.0 -> 169.0	32489	2.0397	µg/L		86
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.98%			
PFEESA	5.201	314.9 -> 135.0	130924	1.5831	µg/L		99
Spiked Amount: 1.780	Range: 70 - 130%			Recovery = 88.94%			
PFHpA	5.398	363.0 -> 319.0	70081	0.9988	µg/L		94
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.88%			
5-3 FTCA	5.458	341.0 -> 237.0	94176	20.4669	µg/L		92
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.33%			
PFPeS	5.494	348.9 -> 80.0	17428	0.9431	µg/L		87
Spiked Amount: 0.941	Range: 70 - 130%			Recovery = 100.23%			
DONA	5.551	377.0 -> 251.0	181315	1.7743	µg/L		98
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 93.88%			

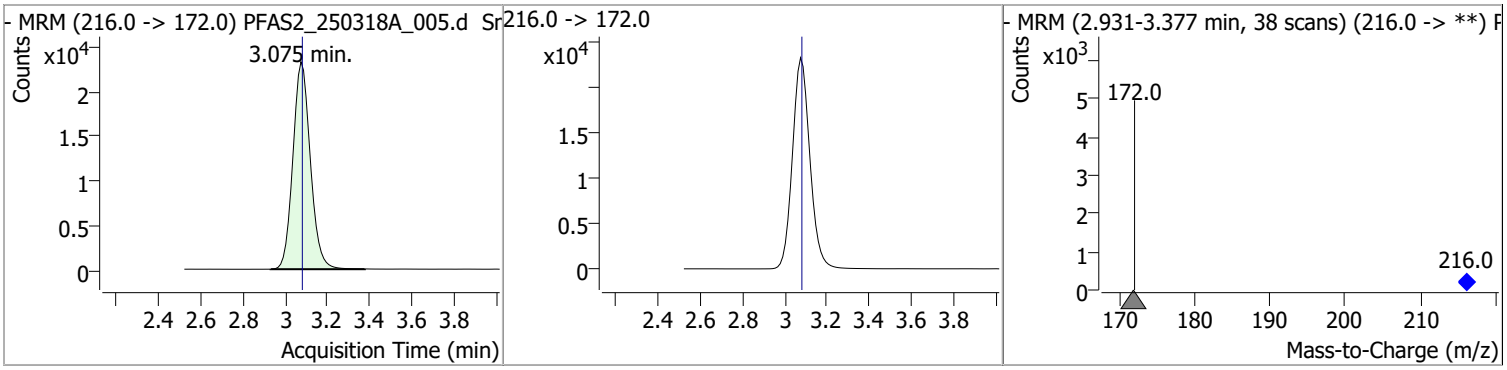
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	39289	3.6002	µg/L		88
Spiked Amount: 3.800	Range: 70 - 130%			Recovery = 94.74%			
PFOA	5.824	413.0 -> 369.0	64060	0.9413	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 94.13%			
PFHxS	5.957	398.9 -> 80.0	13190	0.9909	µg/L		98
Spiked Amount: 0.914	Range: 70 - 130%			Recovery = 108.41%			
PFNA	6.226	463.0 -> 419.0	55871	0.9777	µg/L		98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.77%			
PFHpS	6.370	448.9 -> 80.0	9610	0.9296	µg/L		85
Spiked Amount: 0.953	Range: 70 - 130%			Recovery = 97.55%			
8-2 FTSA	6.424	527.0 -> 507.0	18310	3.3693	µg/L	#	59
Spiked Amount: 3.840	Range: 70 - 130%			Recovery = 87.74%			
7-3 FTCA	6.597	441.0 -> 317.0	64690	18.6331	µg/L		87
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 93.17%			
PFDA	6.615	513.0 -> 469.0	48729	0.9270	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 92.70%			
N-MeFOSAA	6.742	570.0 -> 419.0	9106	0.9964	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.64%			
PFOS	6.772	498.9 -> 80.0	8728	0.9026	µg/L		97
Spiked Amount: 0.928	Range: 70 - 130%			Recovery = 97.26%			
N-EtFOSAA	6.953	584.0 -> 419.0	7383	1.0000	µg/L		90
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 100.00%			
PFUnDA	6.991	563.0 -> 519.0	37280	0.9192	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 91.92%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	91155	1.6679	µg/L		91
Spiked Amount: 1.870	Range: 70 - 130%			Recovery = 89.19%			
PFNS	7.159	548.9 -> 80.0	8099	0.9553	µg/L		93
Spiked Amount: 0.962	Range: 70 - 130%			Recovery = 99.30%			
PFDoDA	7.368	613.0 -> 569.0	28115	1.0121	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.21%			
PFDS	7.525	598.9 -> 80.0	6453	1.0187	µg/L		100
Spiked Amount: 0.965	Range: 70 - 130%			Recovery = 105.56%			
PFTrDA	7.724	663.0 -> 619.0	31318	0.9475	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 94.75%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	43321	1.8217	µg/L		95
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 96.38%			
PFTDA	8.093	712.9 -> 669.0	28100	0.9266	µg/L		98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 92.66%			
PFDoS	8.240	698.9 -> 80.0	4382	0.9893	µg/L		96
Spiked Amount: 0.970	Range: 70 - 130%			Recovery = 101.99%			
PFOSA	8.771	497.9 -> 78.0	12243	0.9681	µg/L	#	97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 96.81%			
MeFOSE	9.878	616.0 -> 59.0	39982	9.5789	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.79%			
N-MeFOSA	9.992	512.0 -> 219.0	3182	1.0052	µg/L		87
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 100.52%			
EtFOSE	10.210	630.0 -> 59.0	22448	9.8118	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.12%			
N-EtFOSA	10.323	526.0 -> 219.0	4274	1.0364	µg/L		99
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.64%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

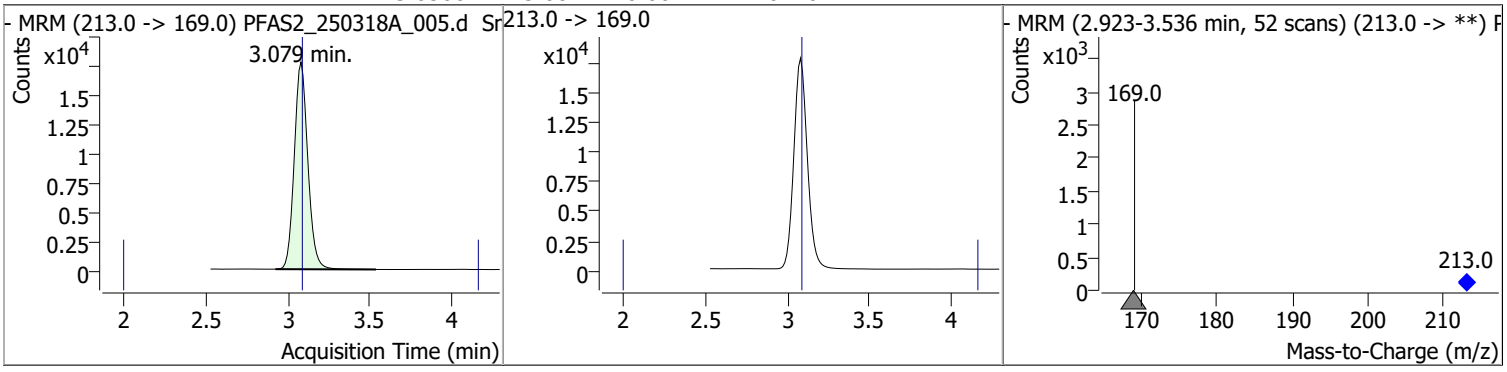
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.2313	3.07	0.00	309386				



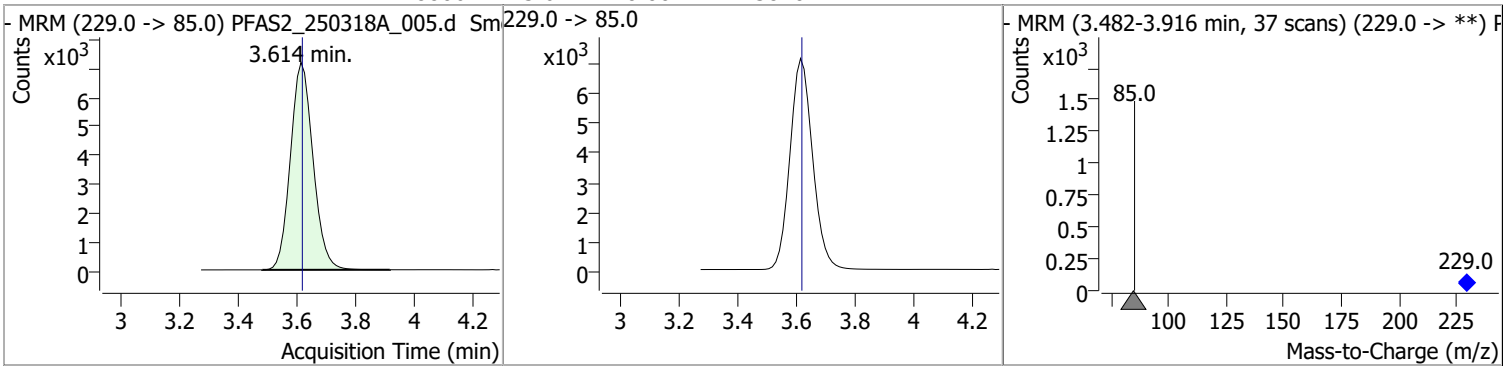
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	133068				



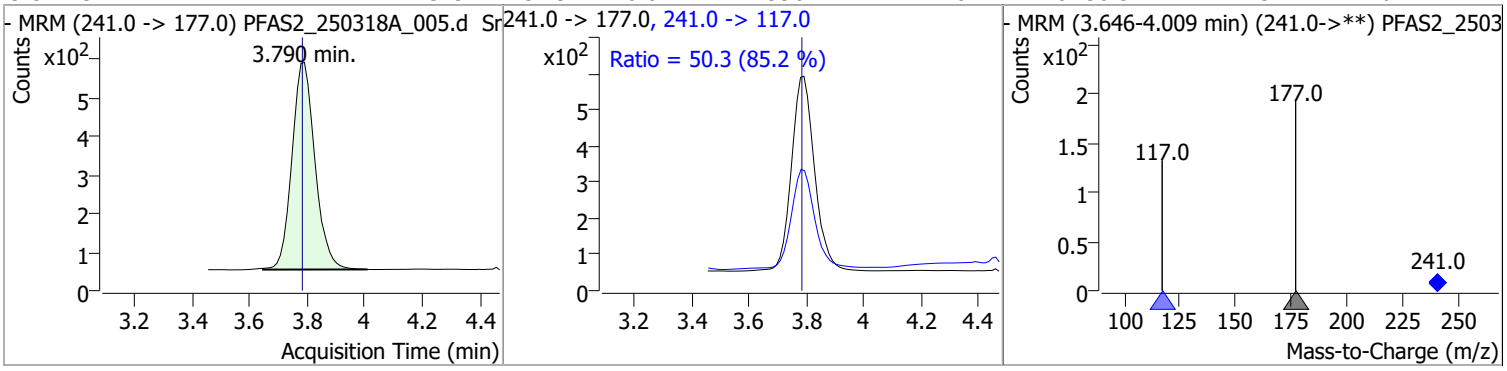
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	3.8508	3.08	0.00	102401				



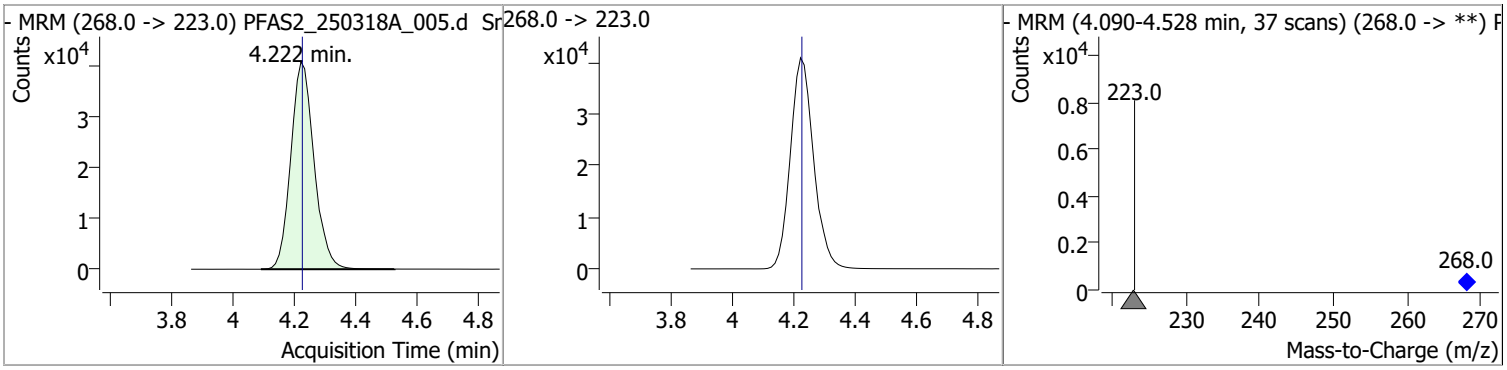
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	1.8806	3.61	0.00	38102				



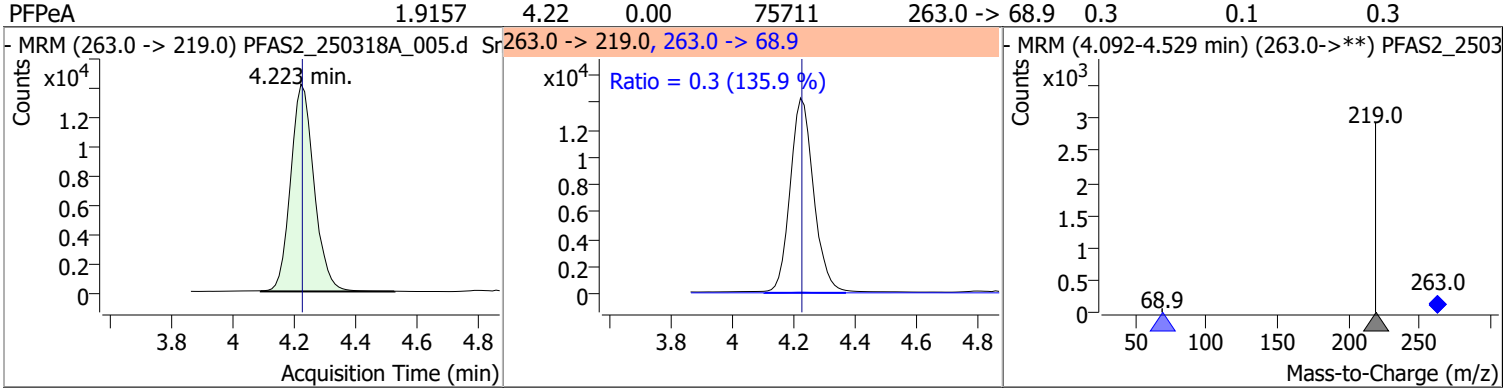
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	4.1329	3.79	0.01	2998	241.0 -> 117.0	50.3	41.3	76.7



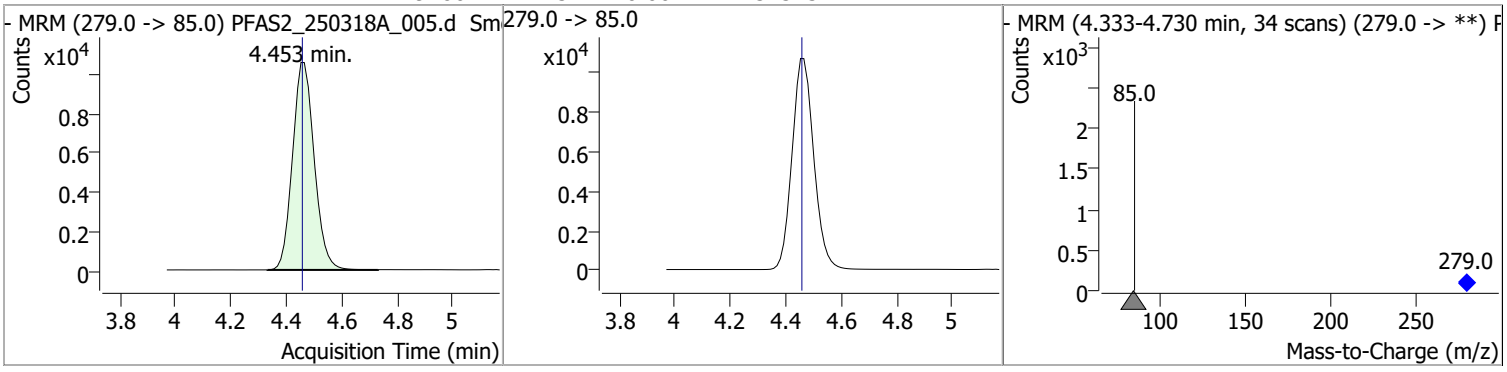
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1860	4.22	0.00	216034				



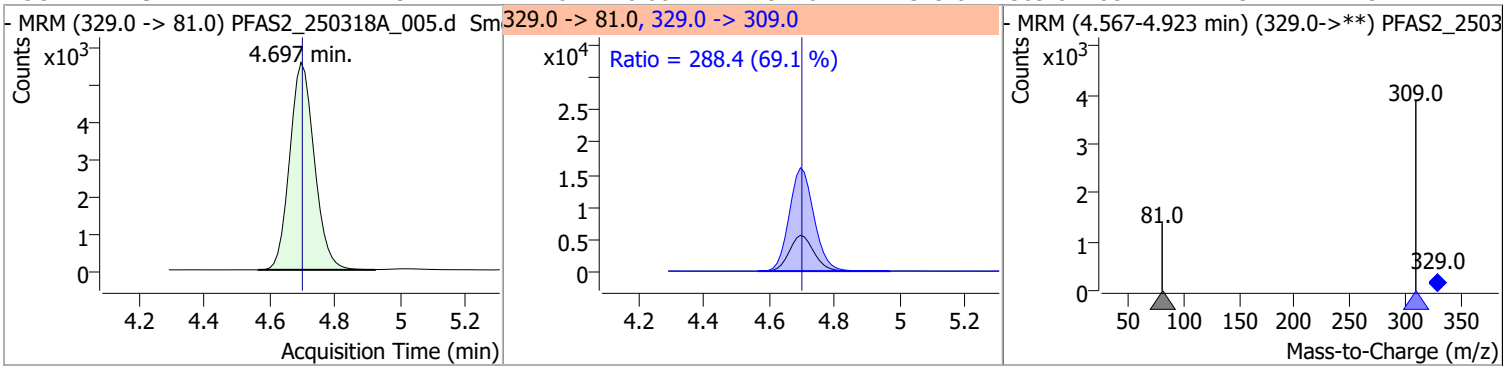
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.9157	4.22	0.00	75711	263.0 -> 68.9	0.3	0.1	0.3



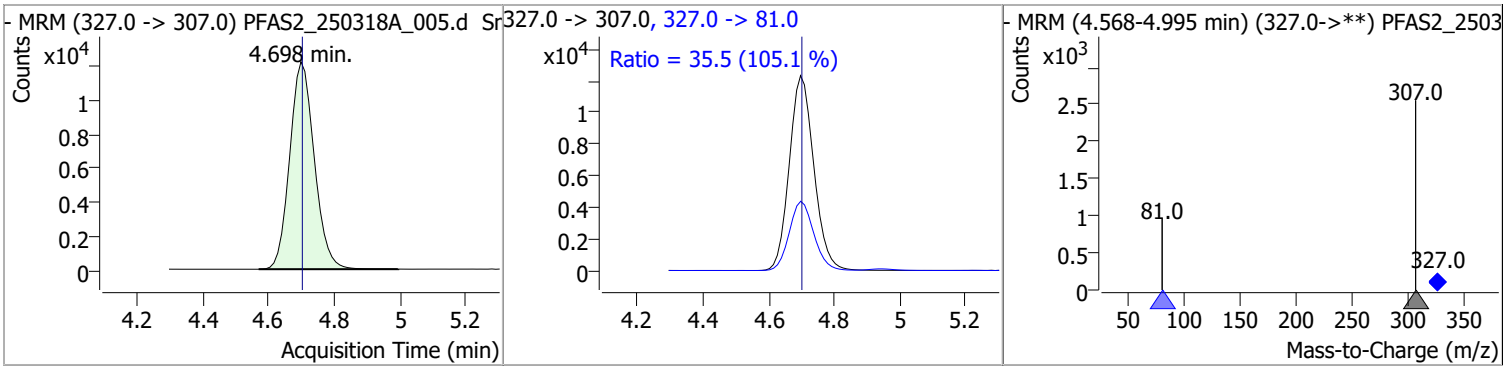
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.9280	4.45	0.00	57543				



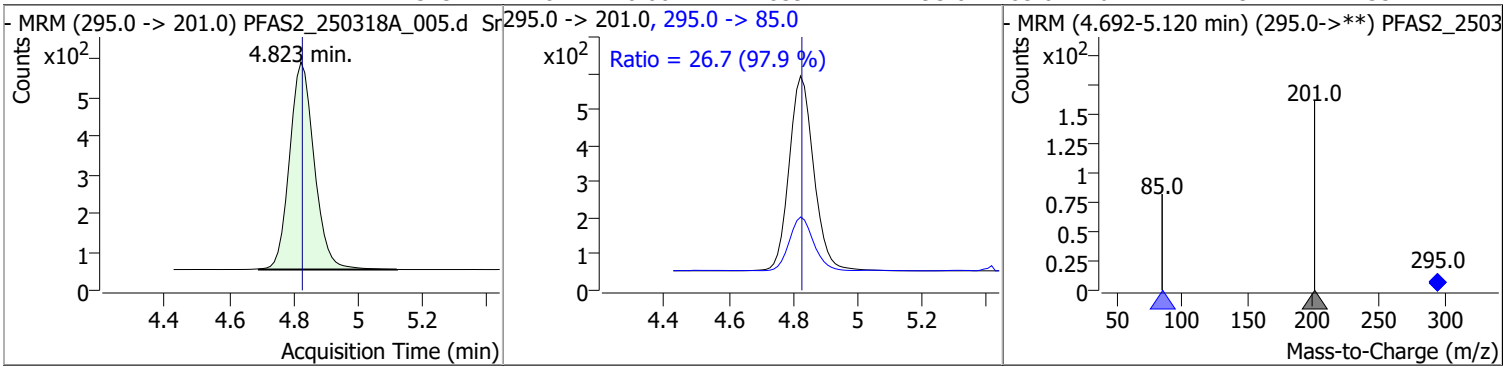
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7477	4.70	0.00	29118	329.0 -> 309.0	288.4	292.1	542.4



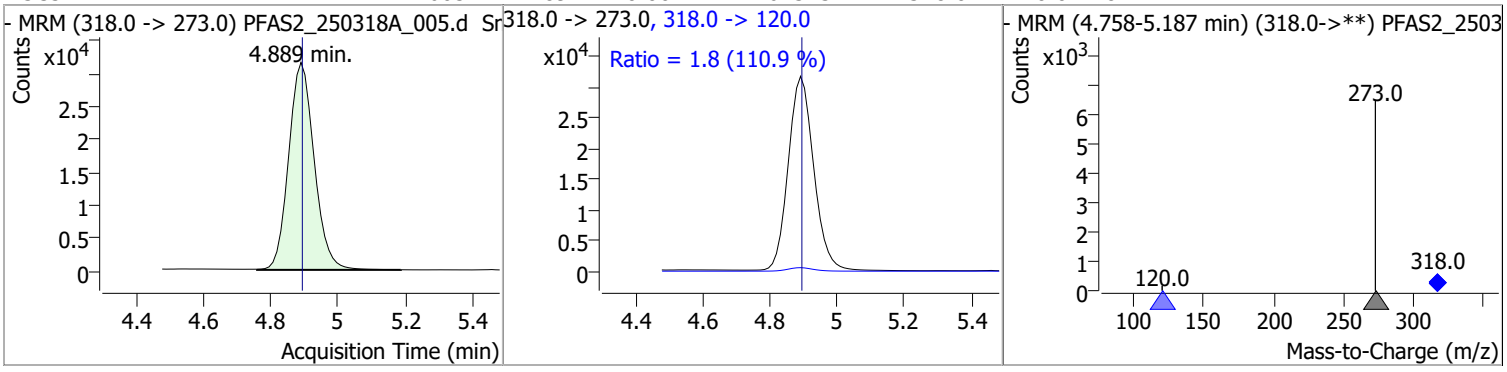
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	3.6090	4.70	0.00	63869	327.0 -> 81.0	35.5	23.6	43.9



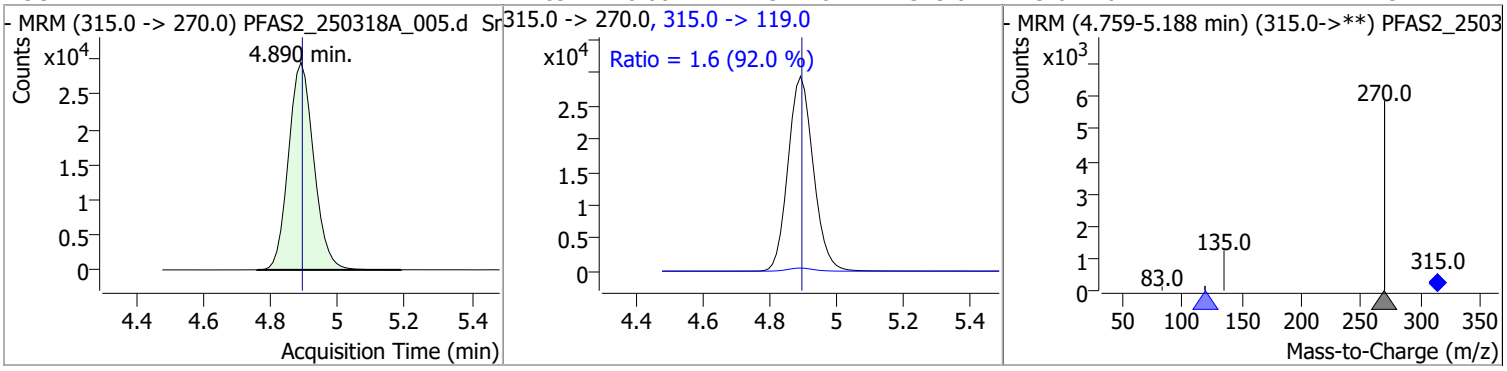
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	2.3237	4.82	0.00	2859	295.0 -> 85.0	26.7	19.1	35.4



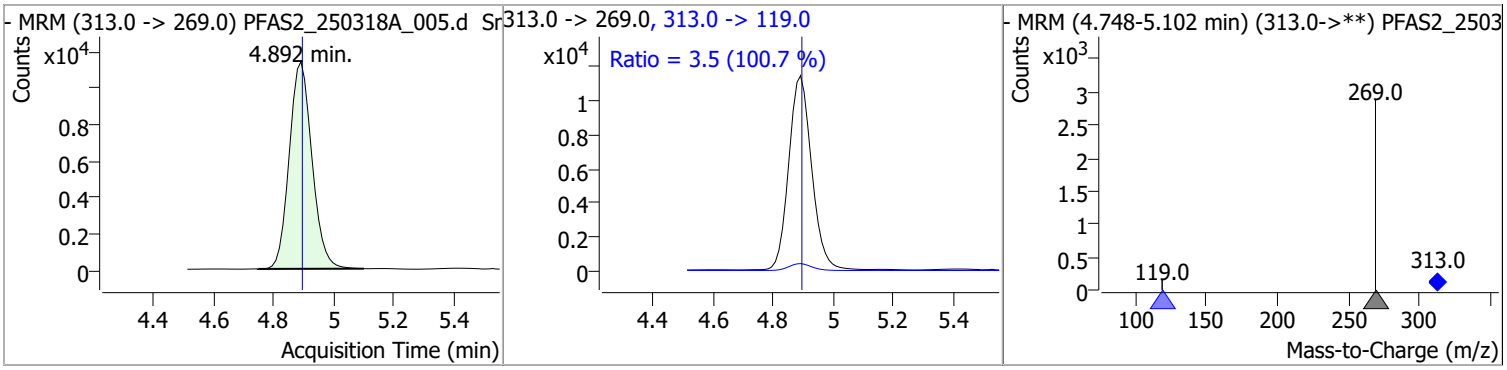
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4605	4.89	0.00	167323	318.0 -> 120.0	1.8	1.1	2.1



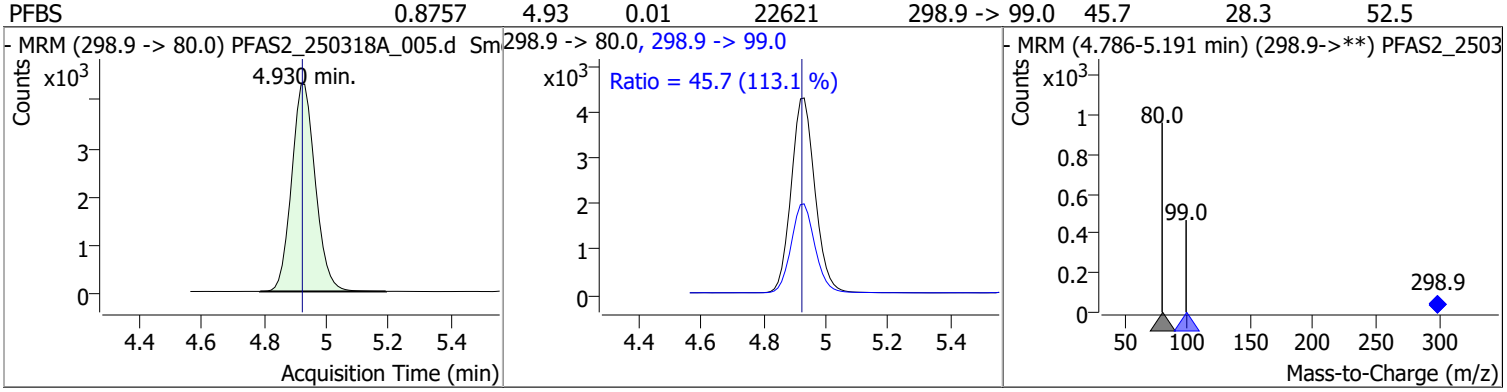
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	154448	315.0 -> 119.0	1.6	1.2	2.3



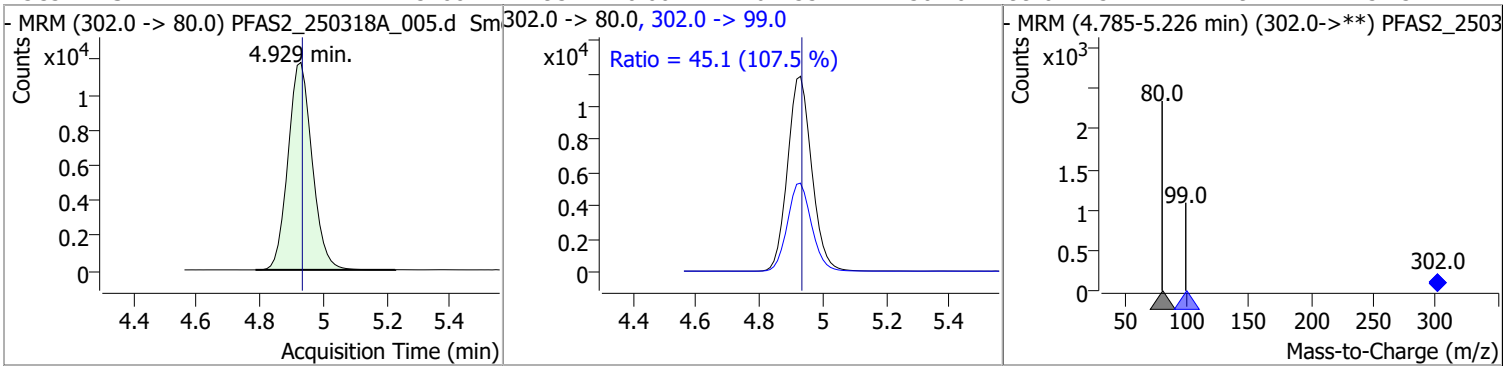
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.9972	4.89	0.00	59708	313.0 -> 119.0	3.5	2.4	4.5



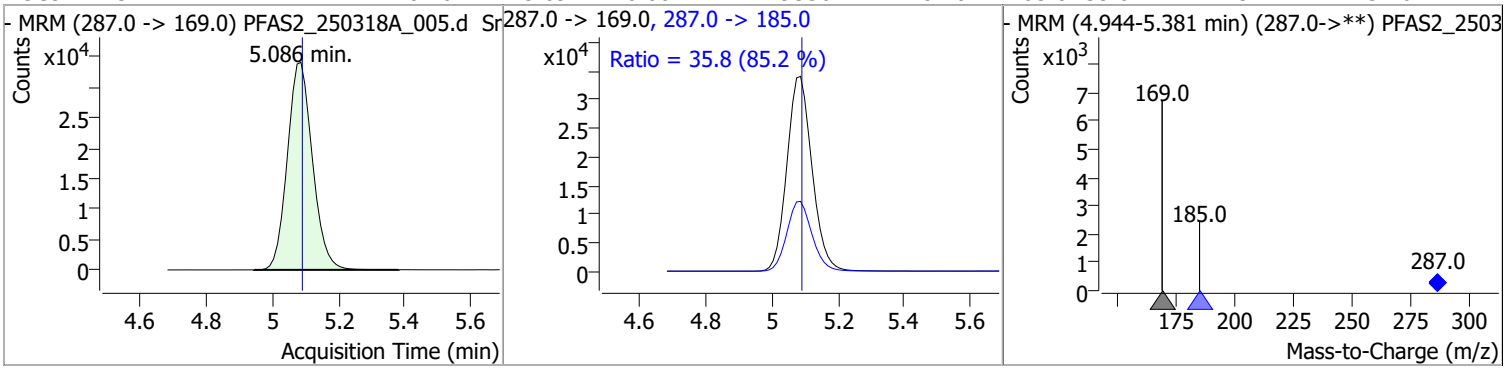
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.8757	4.93	0.01	22621	298.9 -> 99.0	45.7	28.3	52.5



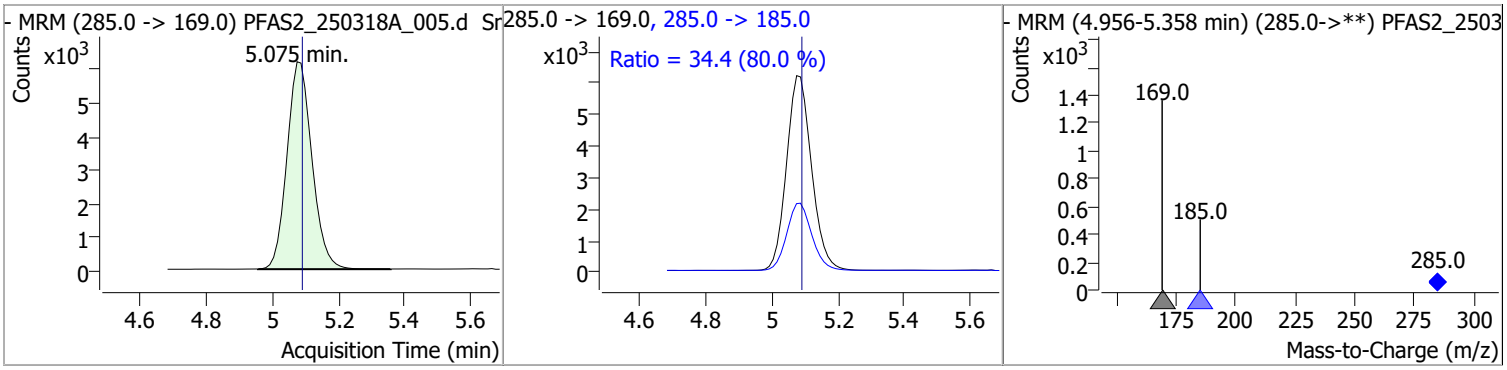
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5488	4.93	0.00	62255	302.0 -> 99.0	45.1	29.4	54.5



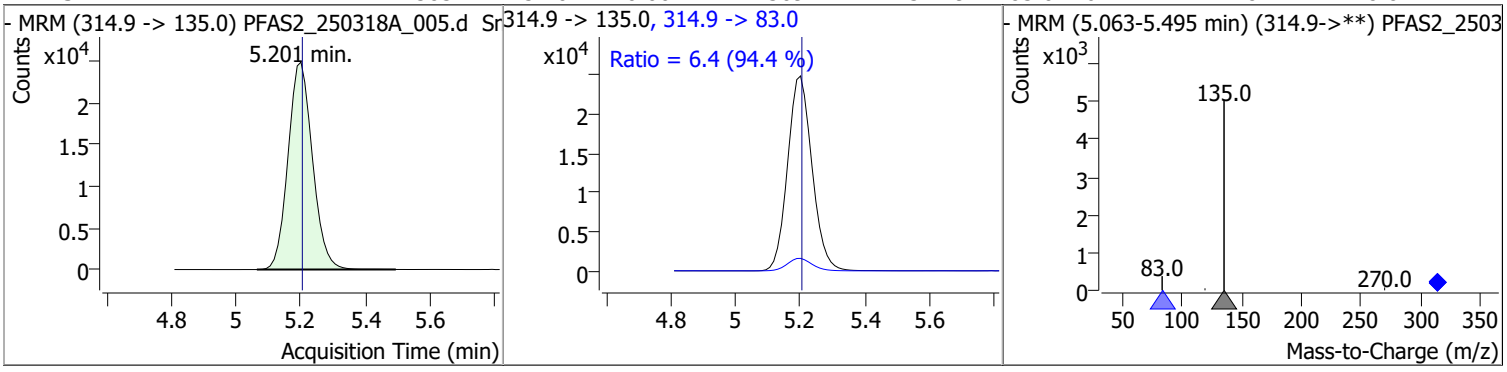
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2042	5.09	0.00	179536	287.0 -> 185.0	35.8	29.4	54.6



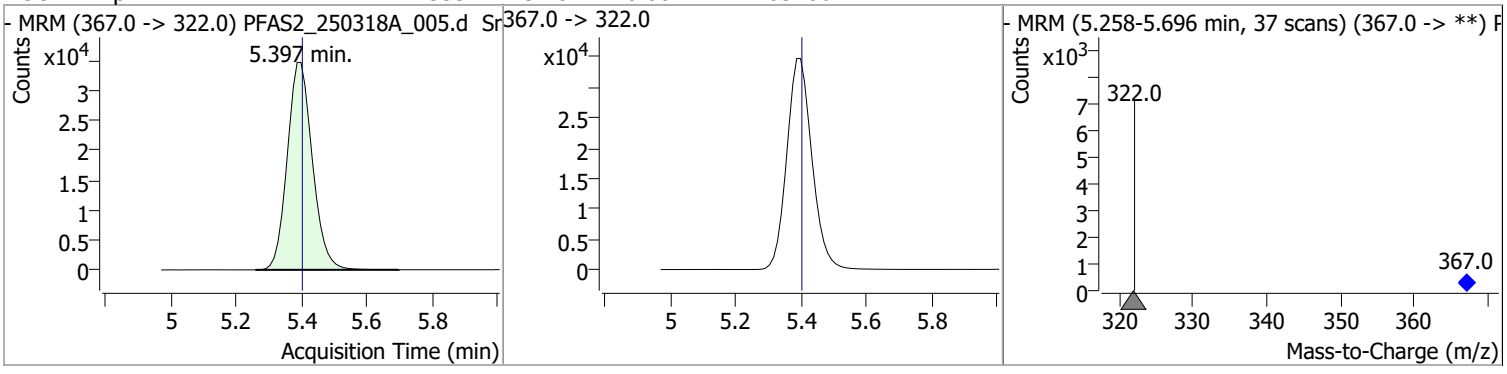
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	2.0397	5.07	-0.01	32489	285.0 -> 185.0	34.4	30.1	56.0



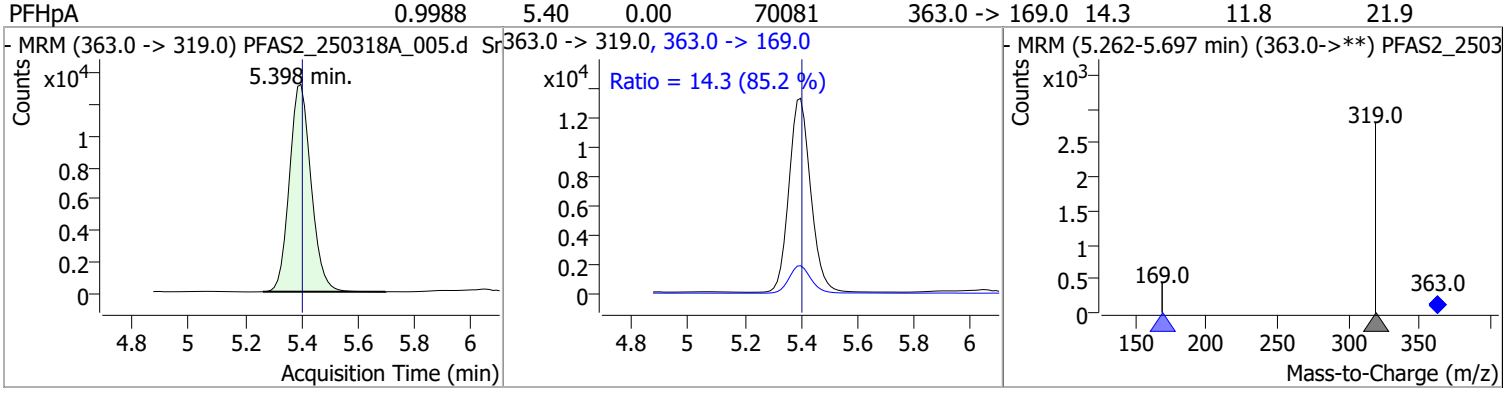
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	1.5831	5.20	0.00	130924	314.9 -> 83.0	6.4	4.8	8.8



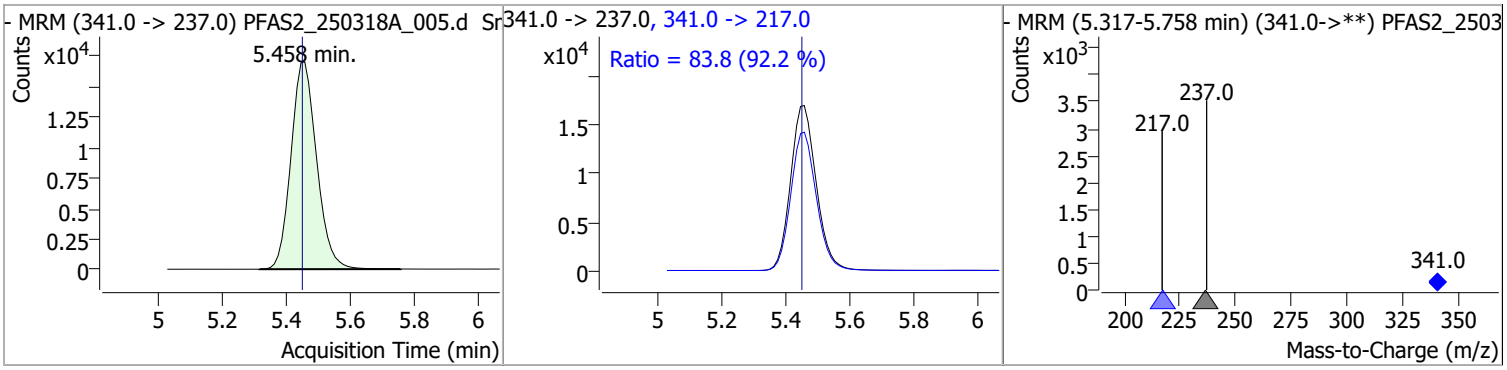
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4355	5.40	0.00	185186				



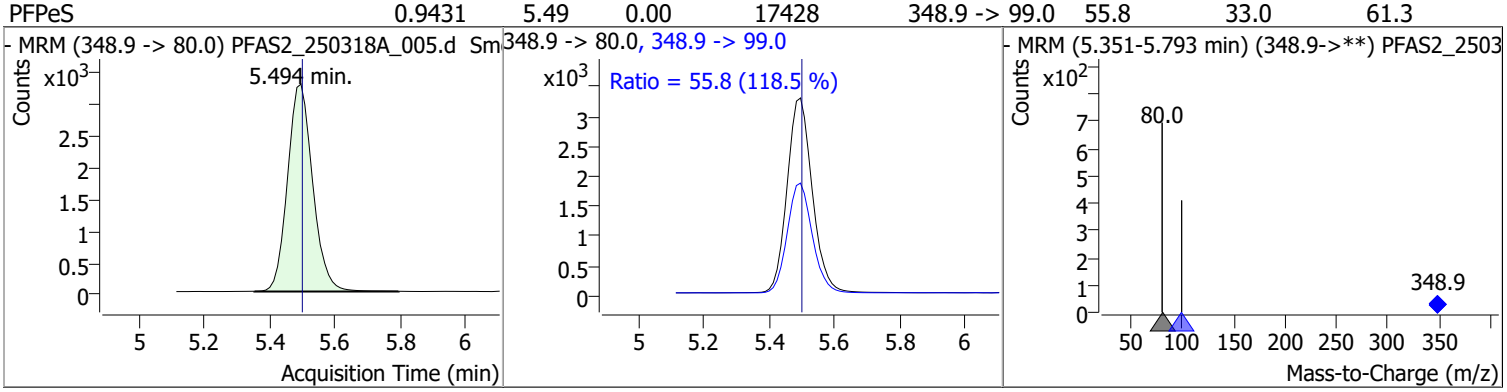
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.9988	5.40	0.00	70081	363.0 -> 169.0	14.3	11.8	21.9



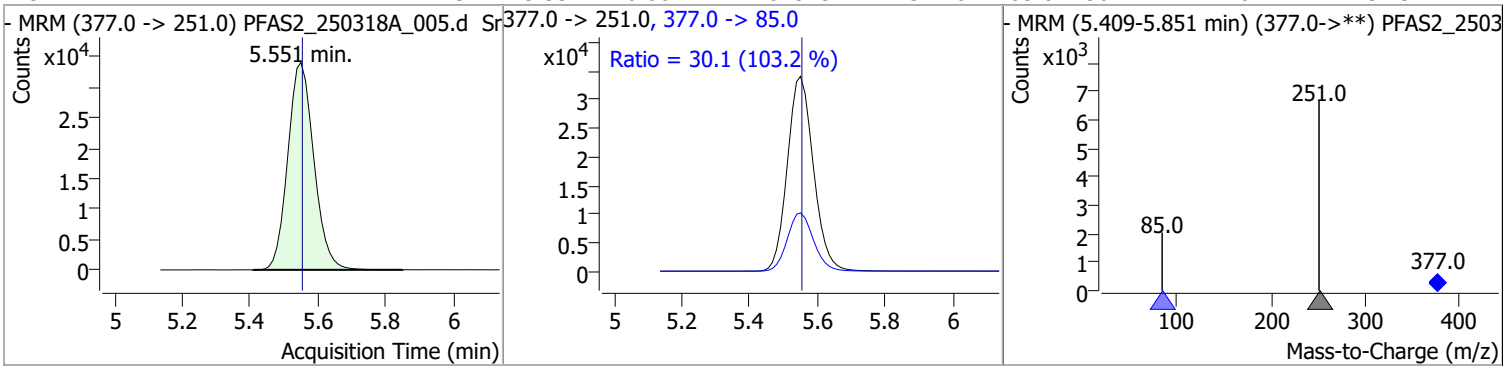
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	20.4669	5.46	0.01	94176	341.0 -> 217.0	83.8	63.6	118.1



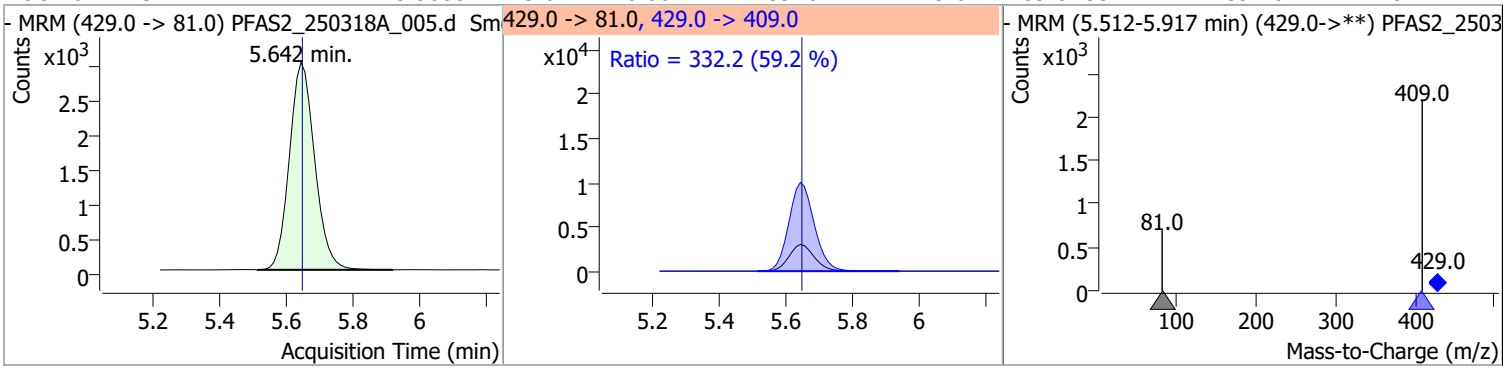
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.9431	5.49	0.00	17428	348.9 -> 99.0	55.8	33.0	61.3



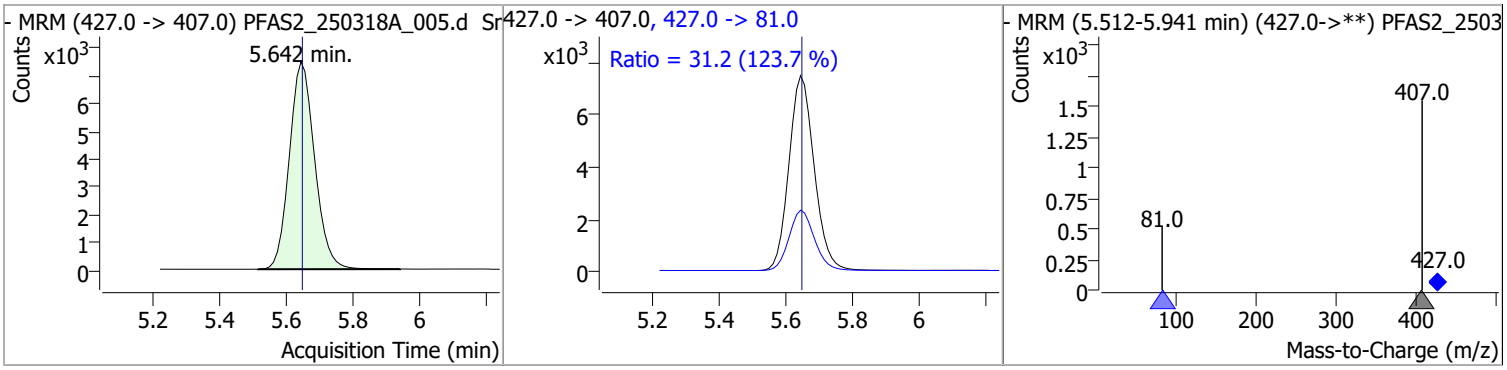
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	1.7743	5.55	0.00	181315	377.0 -> 85.0	30.1	20.4	37.9



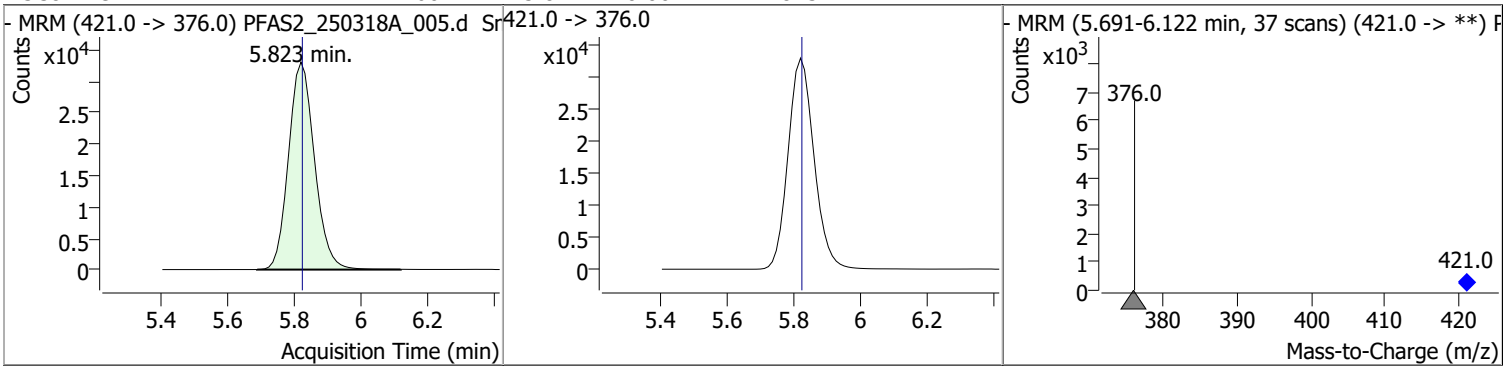
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3600	5.64	0.00	15920	429.0 -> 409.0	332.2	392.8	729.4



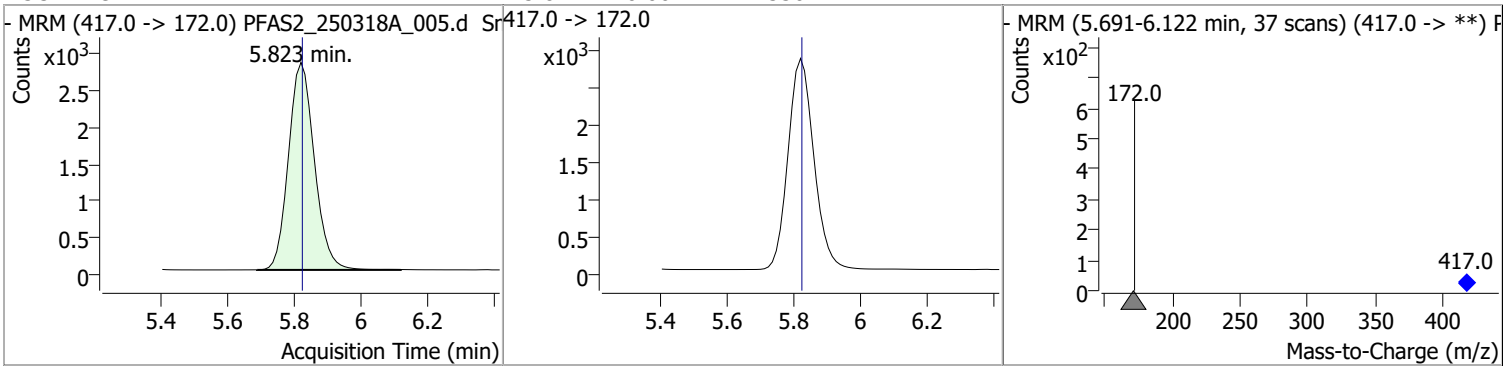
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	3.6002	5.64	0.00	39289	427.0 -> 81.0	31.2	17.7	32.8



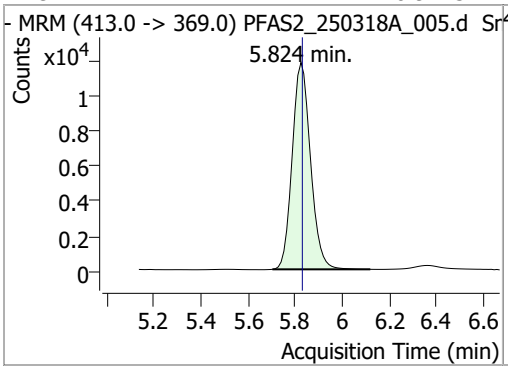
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6072	5.82	0.00	178431				

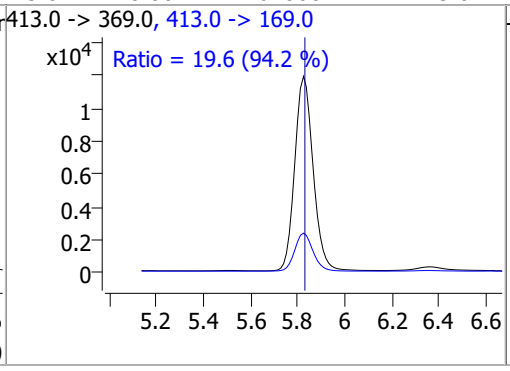


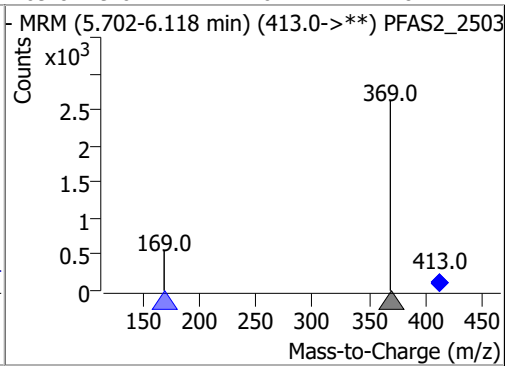
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15304				



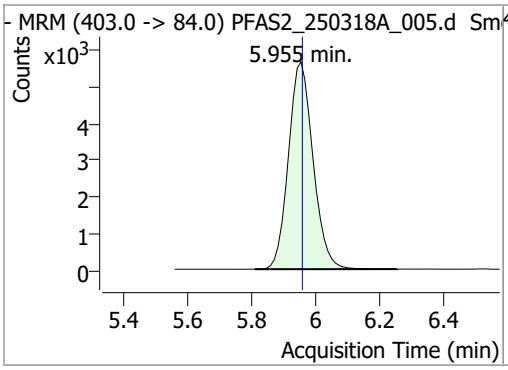
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.9413	5.82	0.00	64060	413.0 -> 169.0	19.6	14.6	27.0

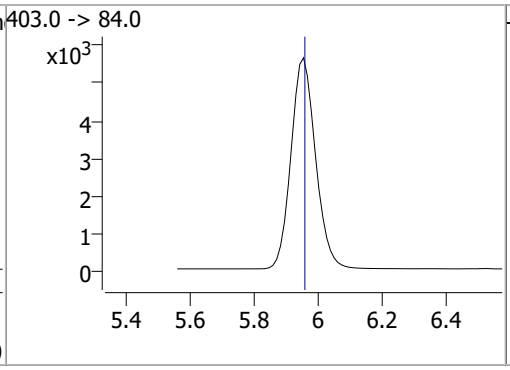


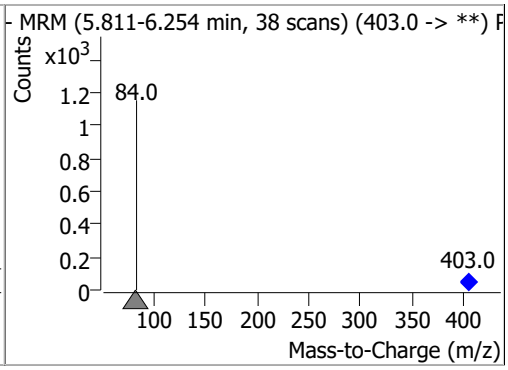




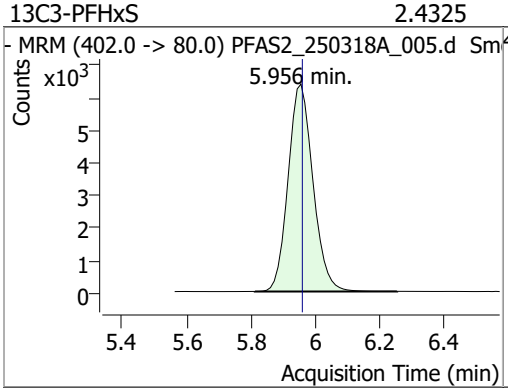
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29828				

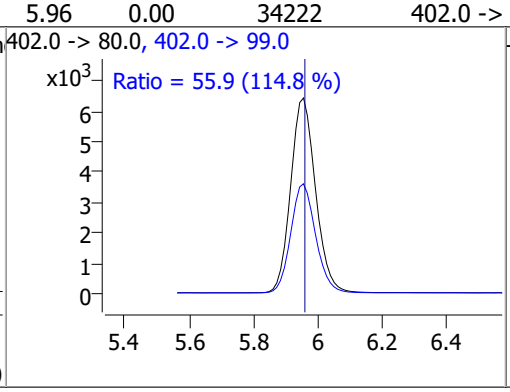


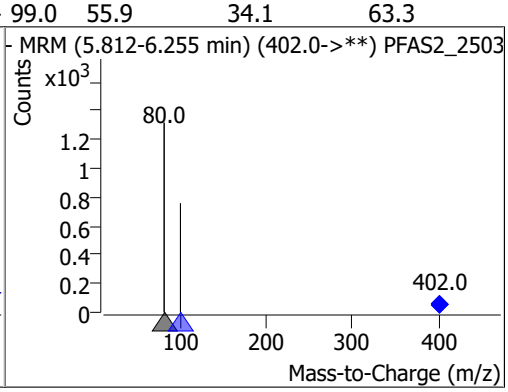




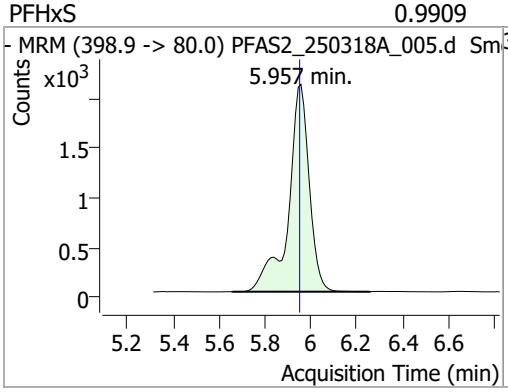
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4325	5.96	0.00	34222	402.0 -> 99.0	55.9	34.1	63.3

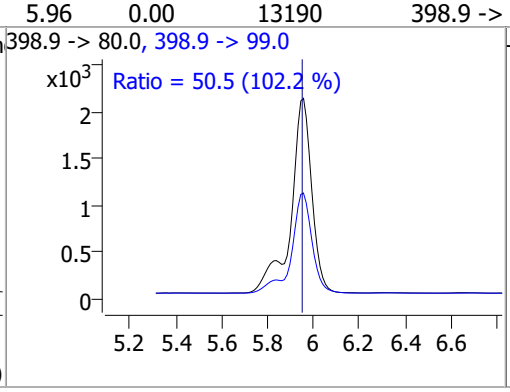


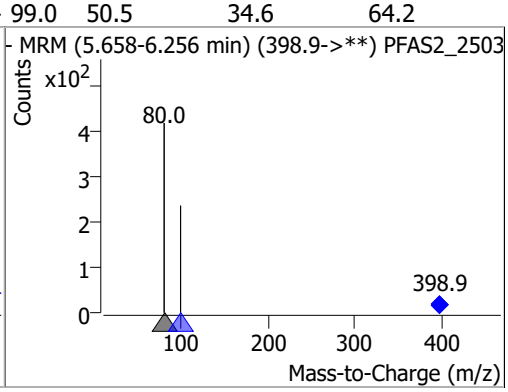




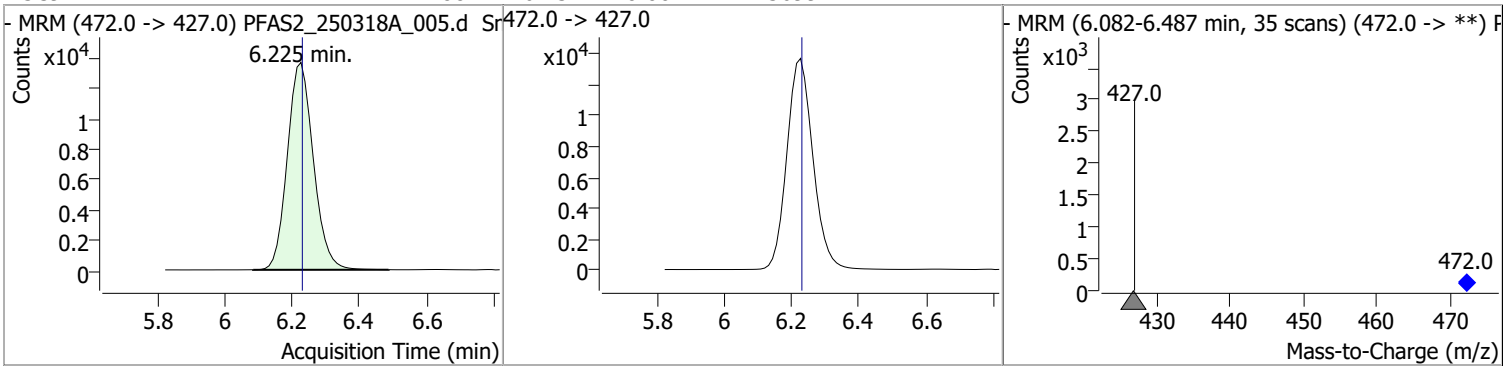
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.9909	5.96	0.00	13190	398.9 -> 99.0	50.5	34.6	64.2



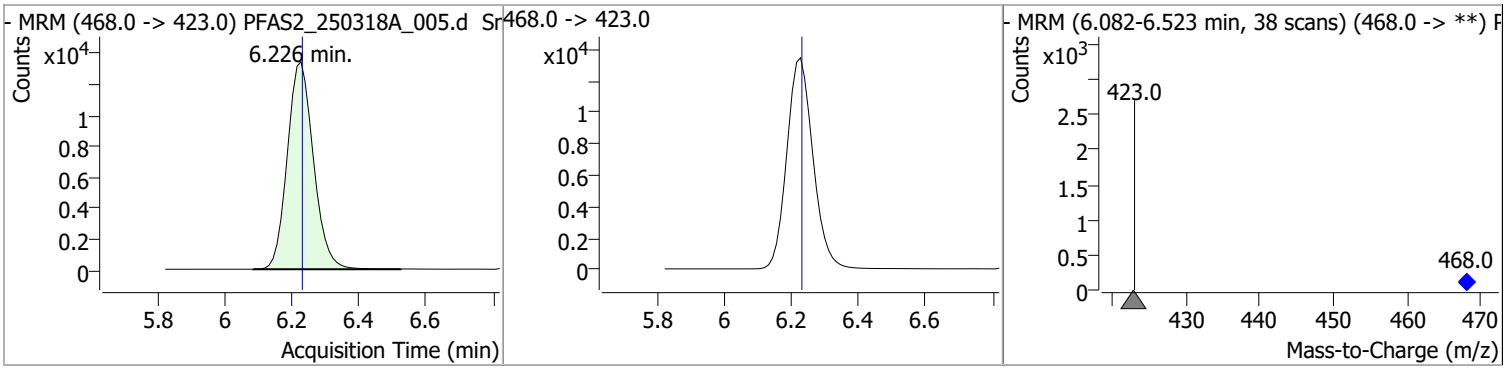




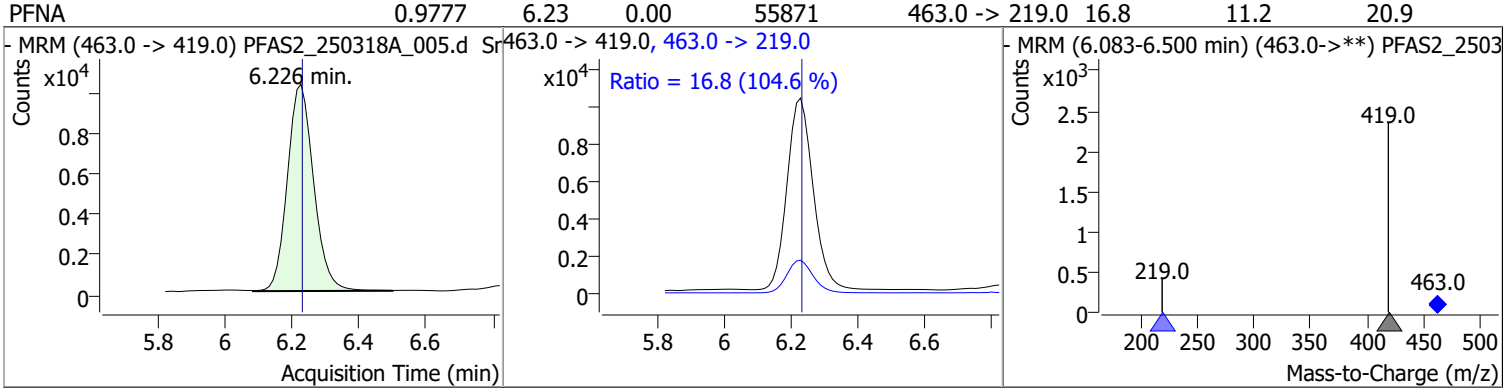
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2788	6.23	0.00	73699				



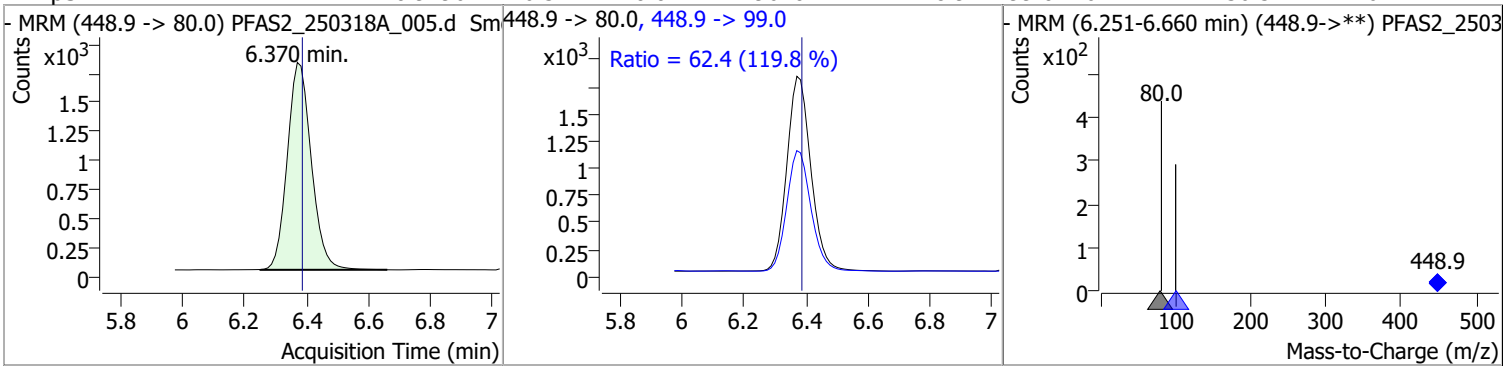
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	72731				



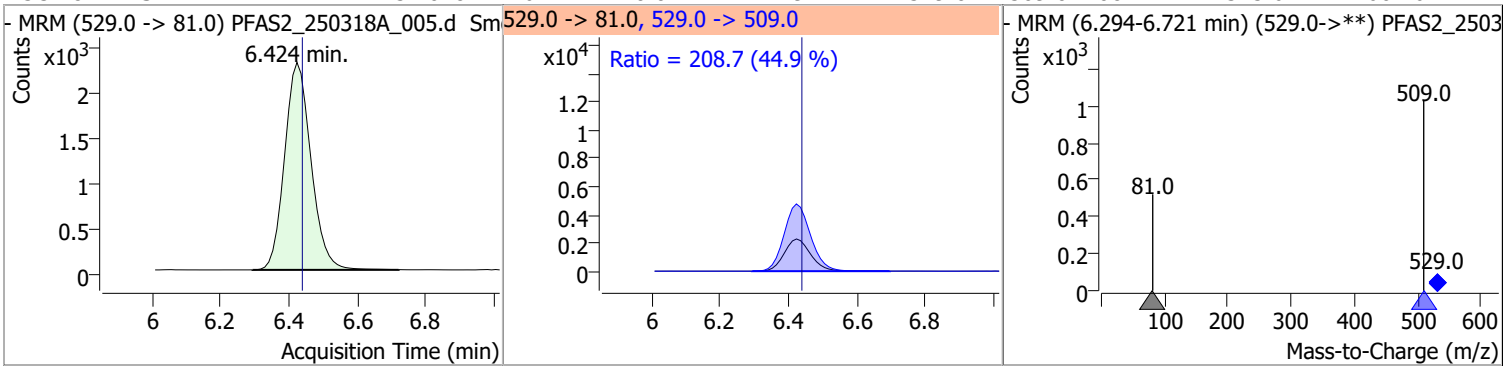
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.9777	6.23	0.00	55871	463.0 -> 219.0	16.8	11.2	20.9



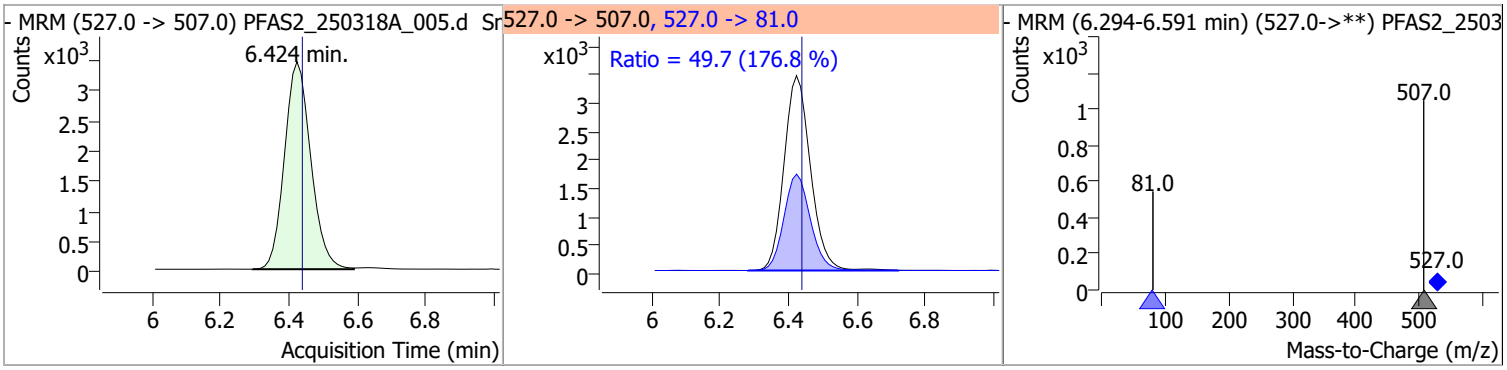
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.9296	6.37	-0.01	9610	448.9 -> 99.0	62.4	36.5	67.7



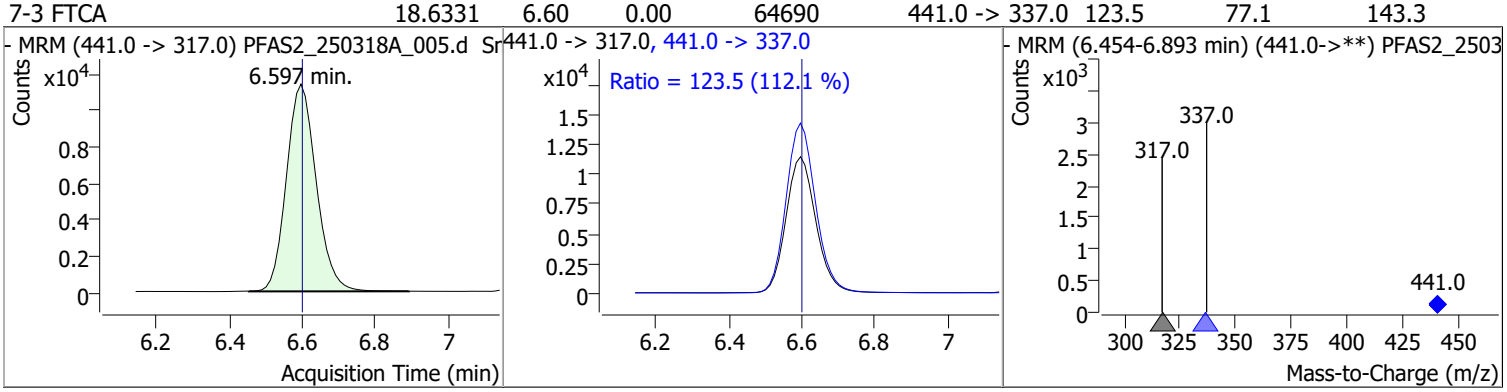
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1078	6.42	-0.01	12197	529.0 -> 509.0	208.7	325.6	604.6



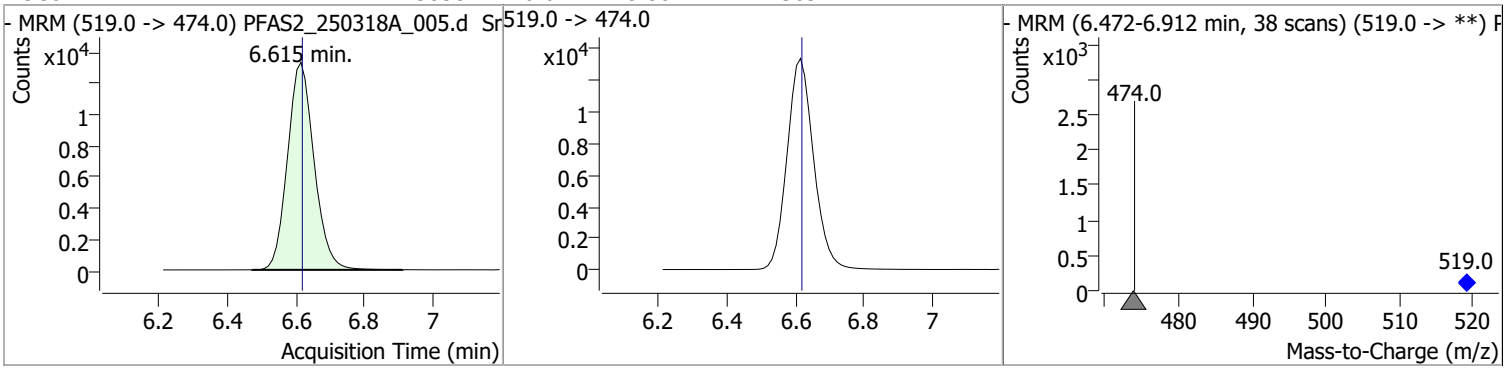
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	3.3693	6.42	-0.01	18310	527.0 -> 81.0	49.7	19.7	36.6



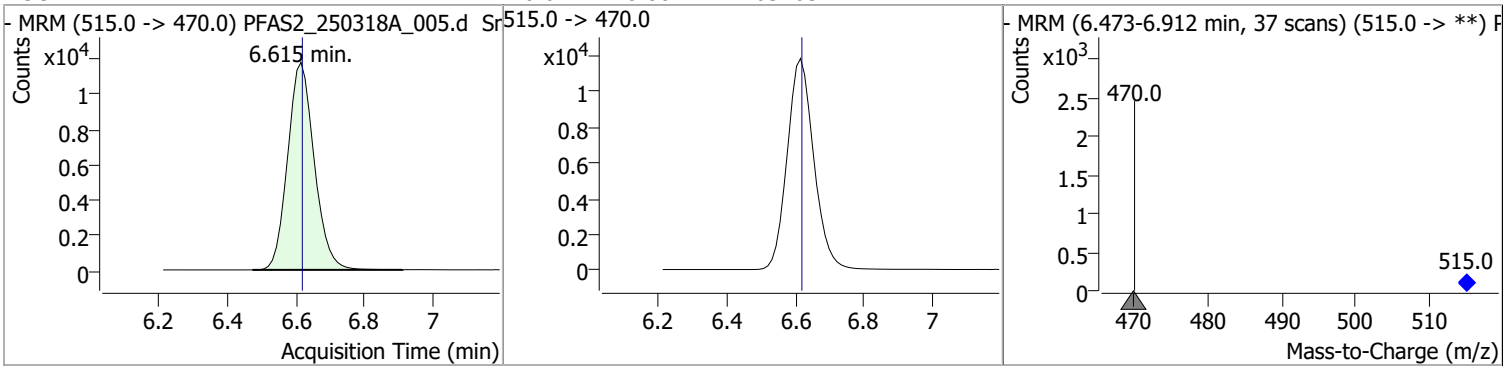
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	18.6331	6.60	0.00	64690	441.0 -> 337.0	123.5	77.1	143.3



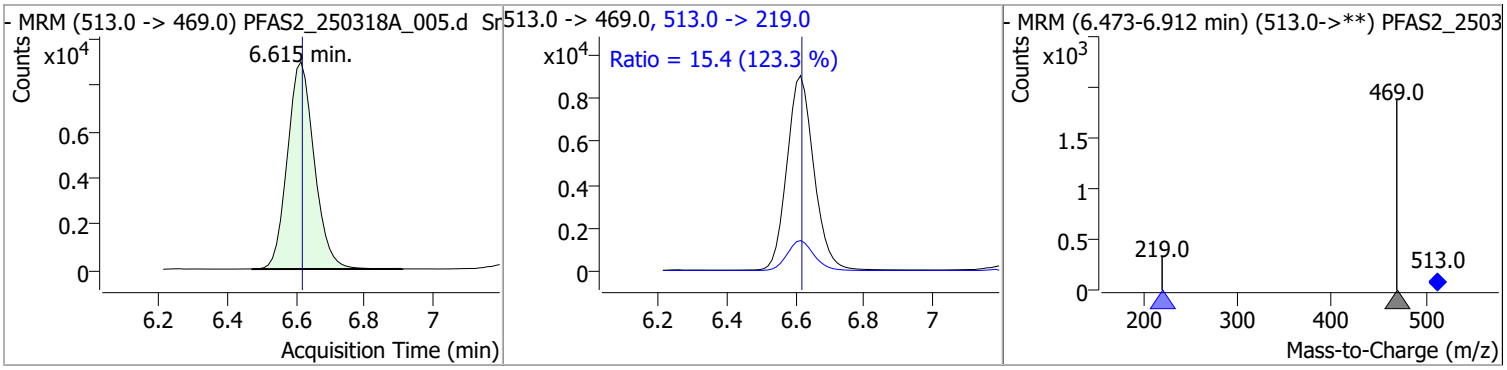
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3858	6.61	0.00	71569				



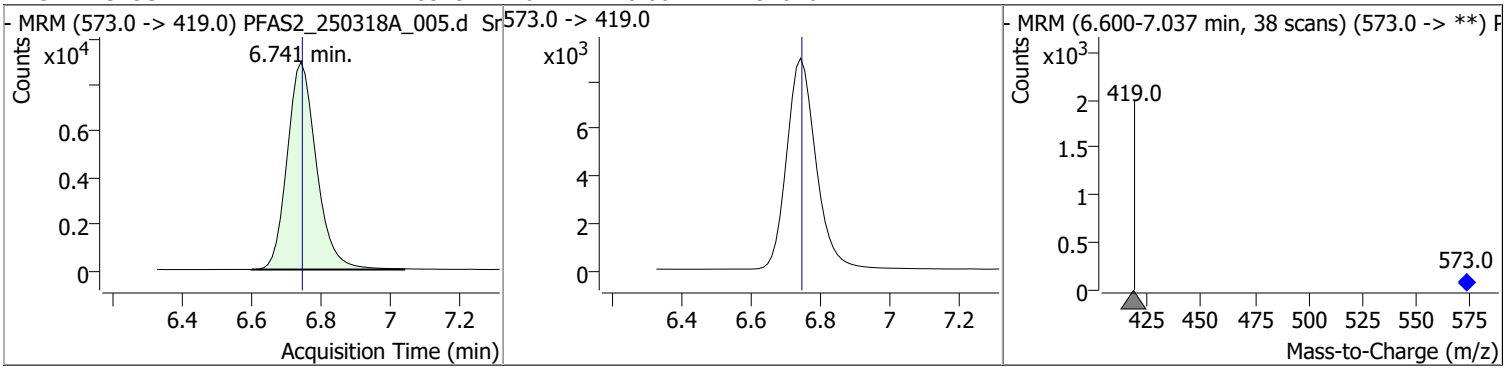
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	63465				



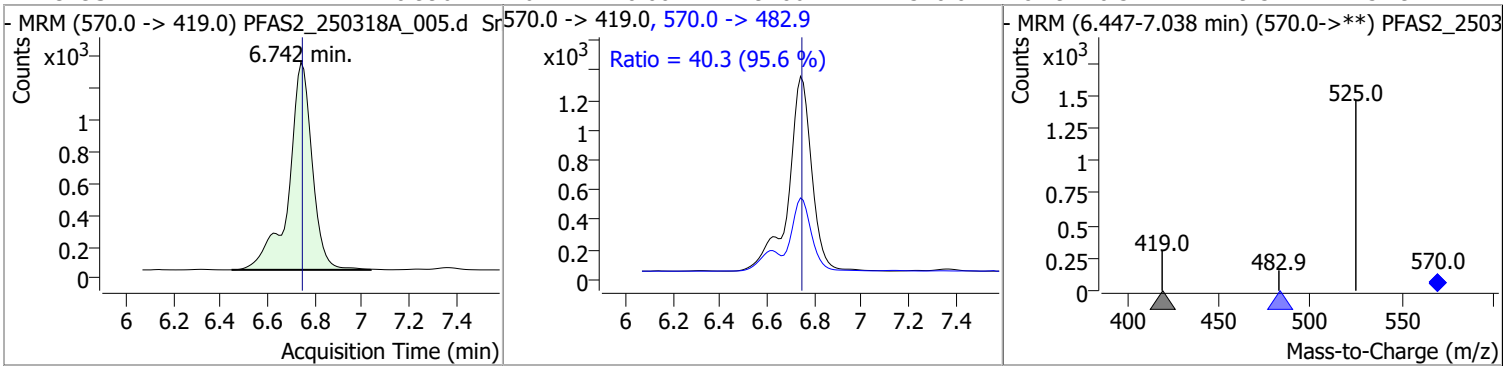
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.9270	6.62	0.00	48729	513.0 -> 219.0	15.4	8.7	16.2



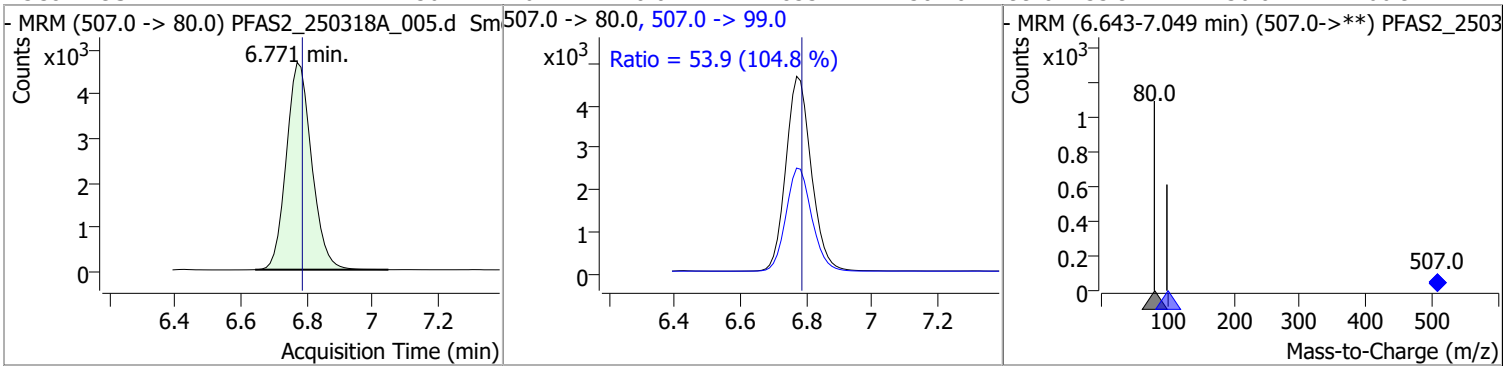
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8513	6.74	0.00	52046				



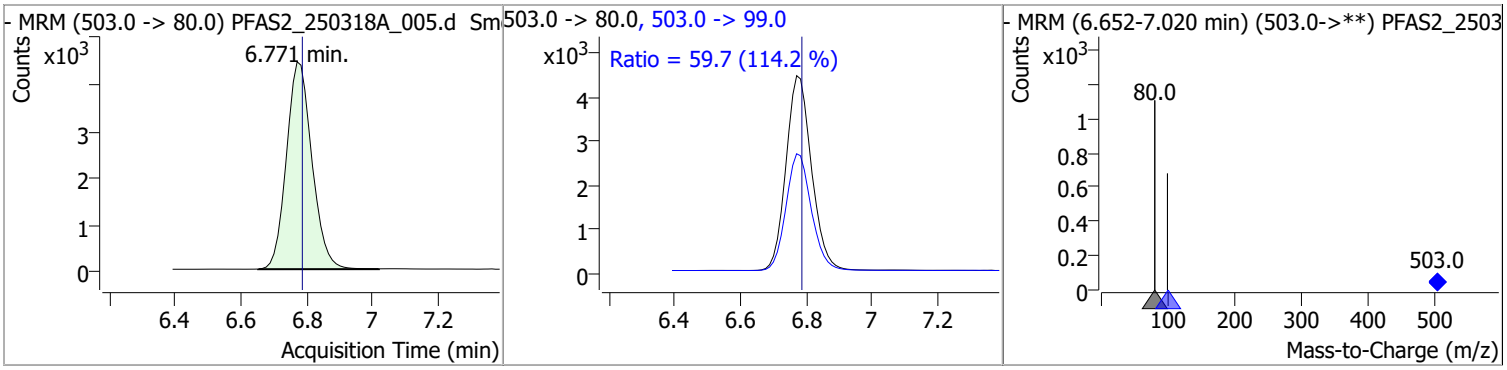
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.9964	6.74	0.00	9106	570.0 -> 482.9	40.3	29.5	54.9



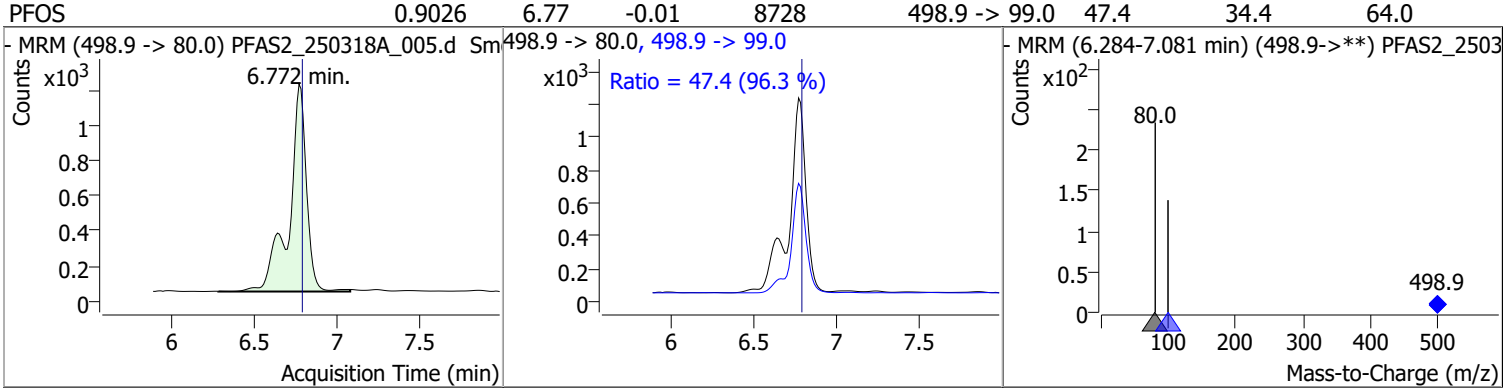
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5611	6.77	-0.01	24853	507.0 -> 99.0	53.9	36.0	66.9



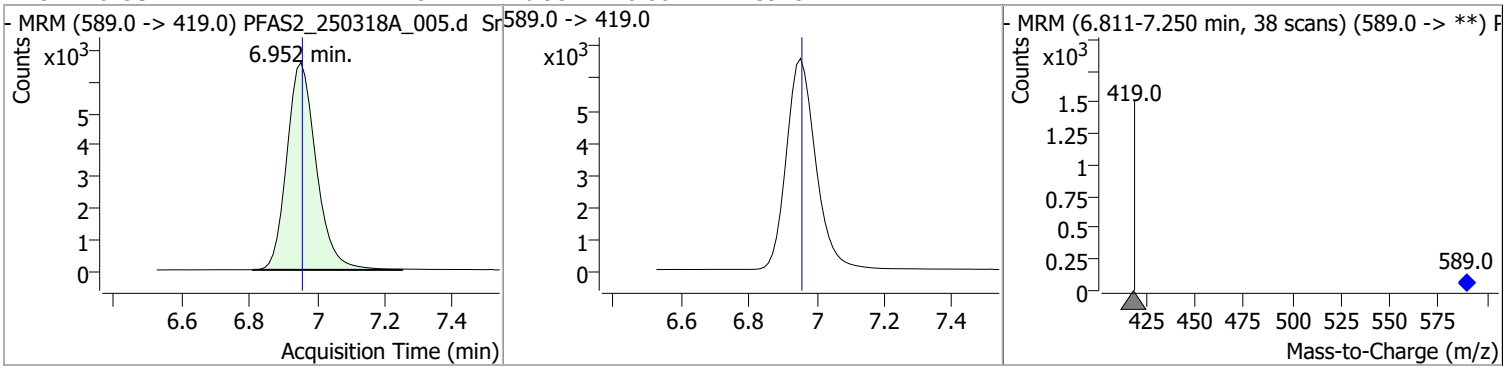
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23910	503.0 -> 99.0	59.7	36.6	67.9



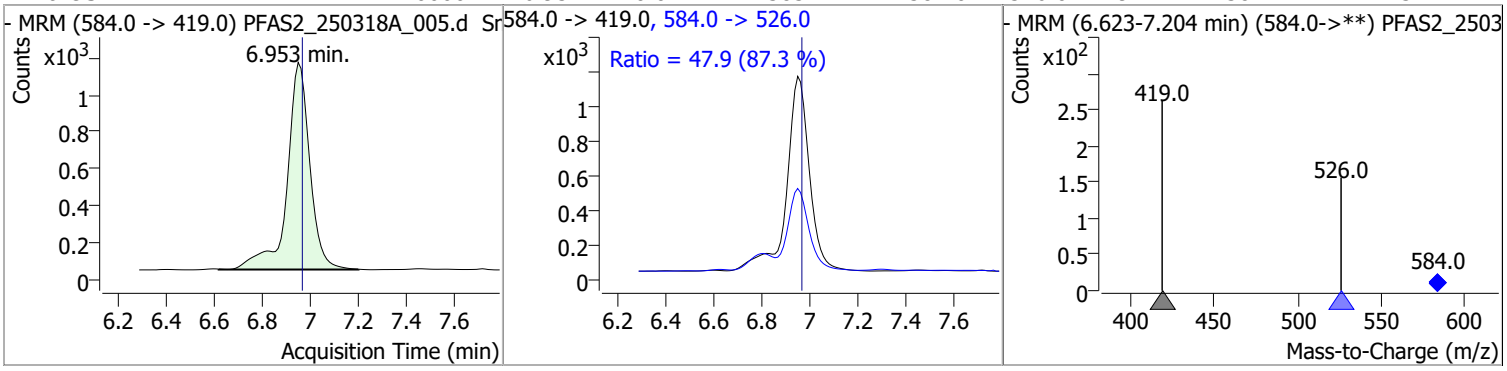
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.9026	6.77	-0.01	8728	498.9 -> 99.0	47.4	34.4	64.0



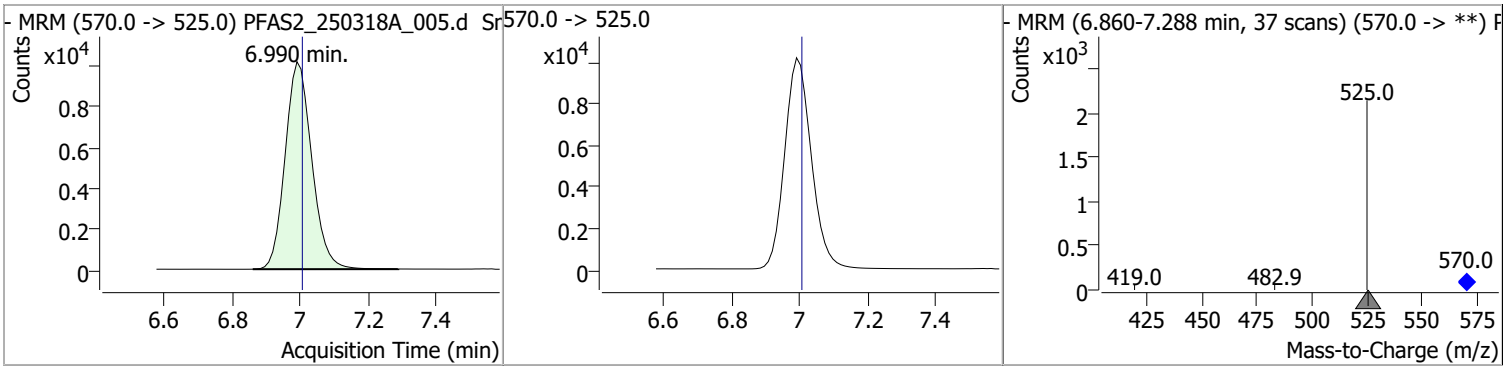
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8712	6.95	0.00	39454				



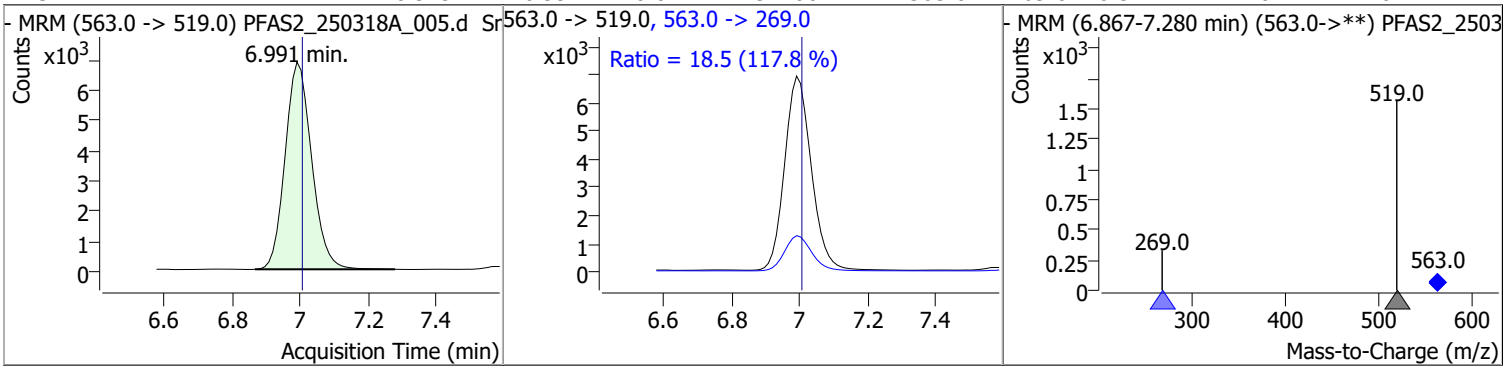
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	1.0000	6.95	-0.01	7383	584.0 -> 526.0	47.9	38.4	71.3



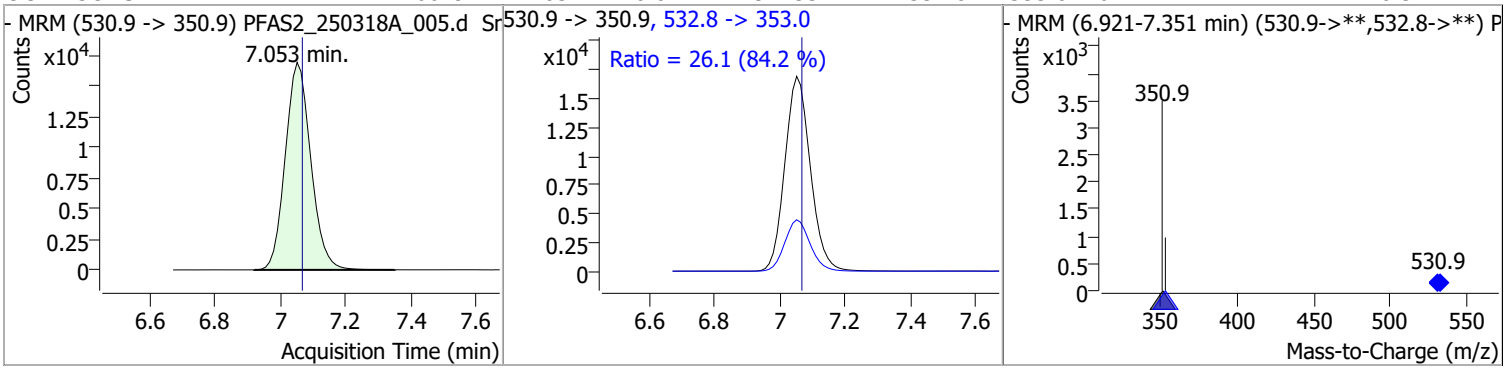
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3573	6.99	-0.01	55244				



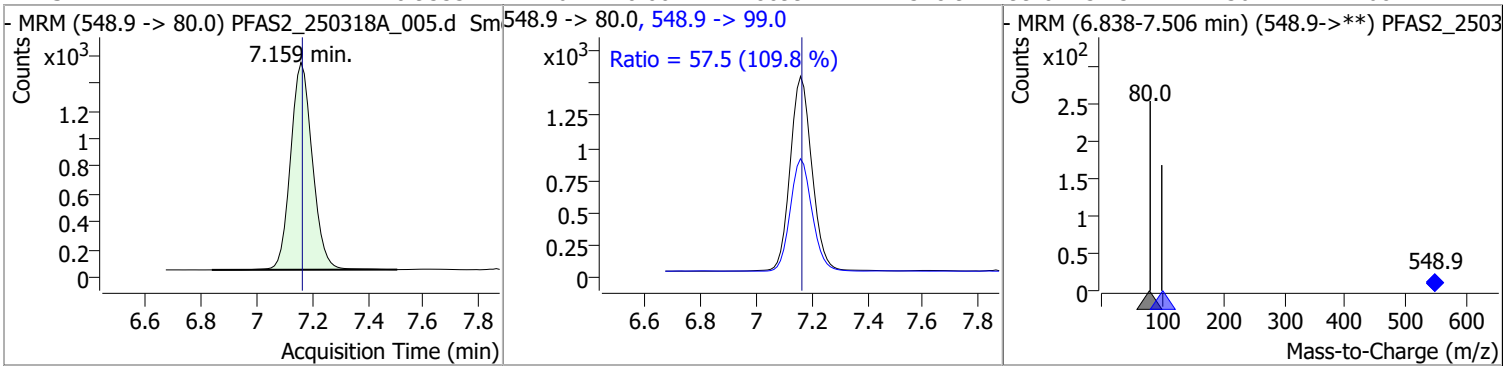
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.9192	6.99	-0.01	37280	563.0 -> 269.0	18.5	11.0	20.4



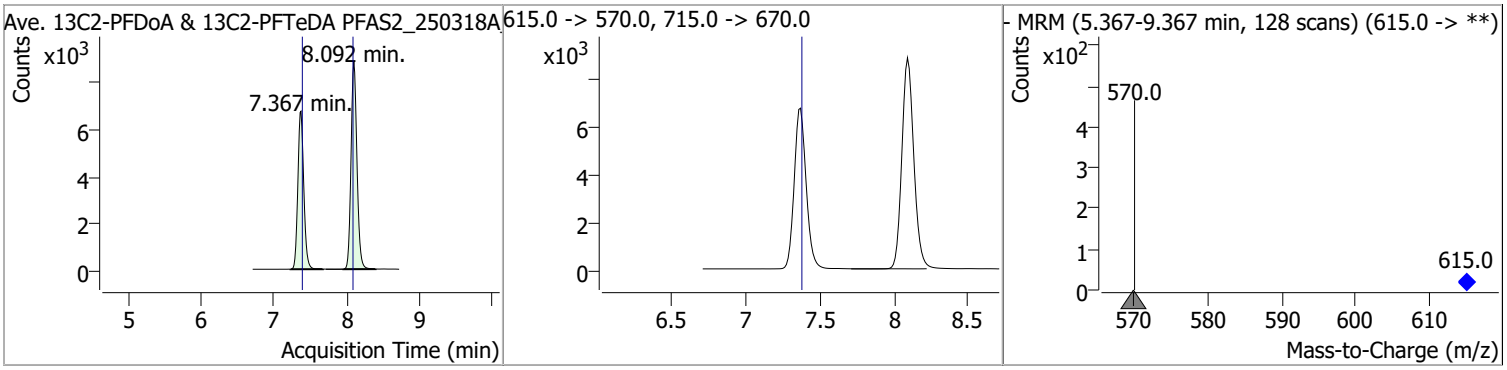
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	1.6679	7.05	-0.01	91155	532.8 -> 353.0	26.1	21.7	40.3



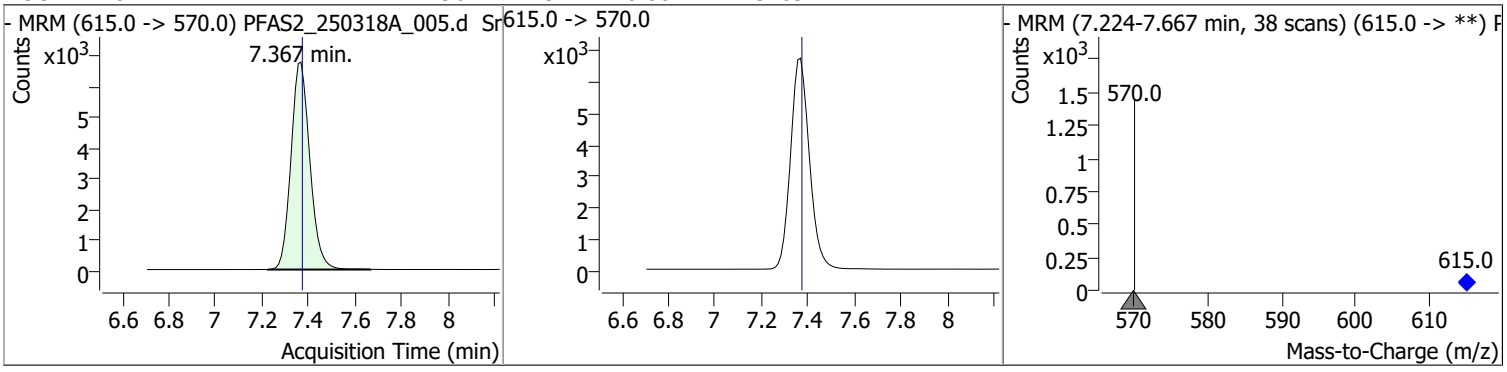
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.9553	7.16	0.00	8099	548.9 -> 99.0	57.5	36.7	68.1



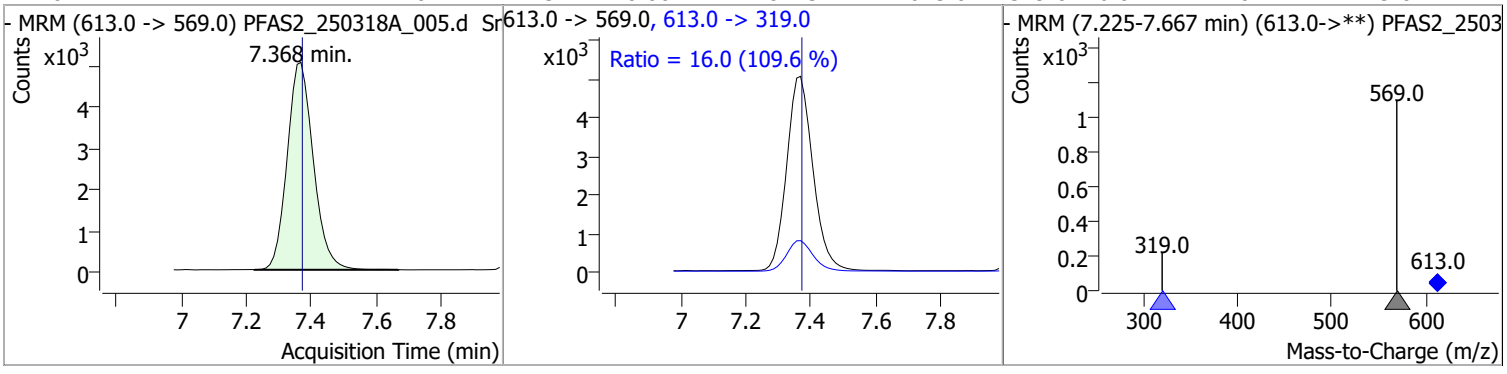
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3076	7.73	0.36	43867				



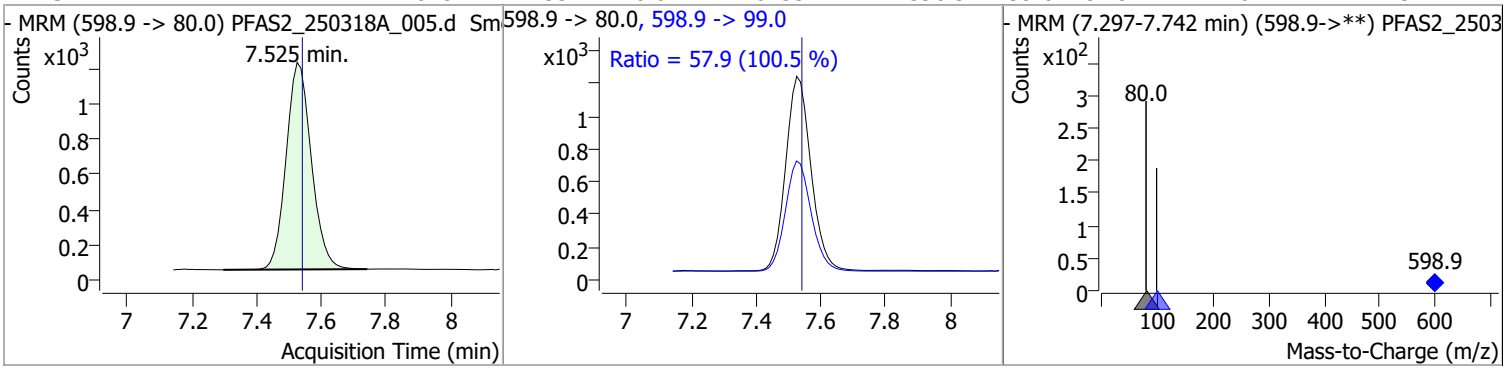
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2496	7.37	0.00	37891				



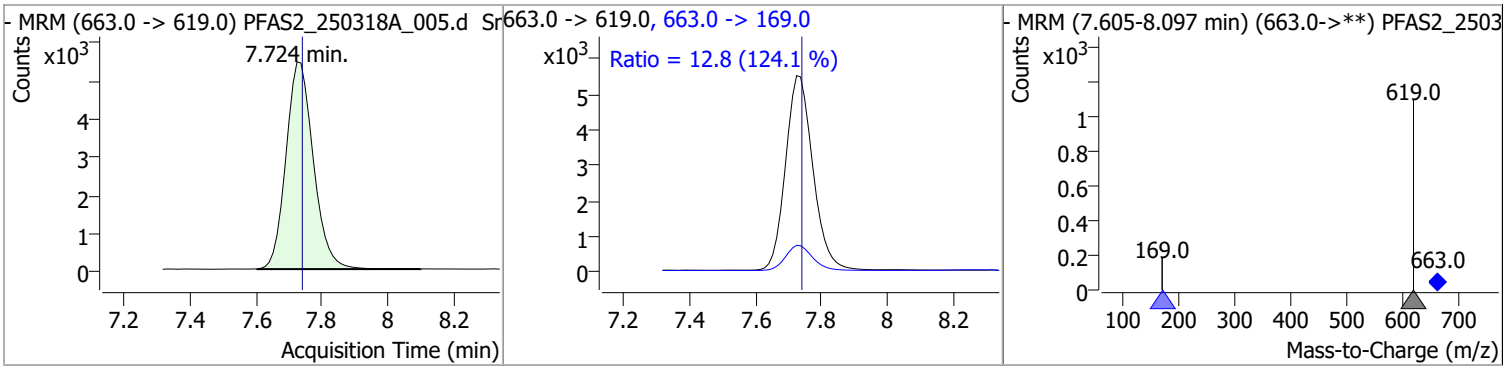
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	1.0121	7.37	0.00	28115	613.0 -> 319.0	16.0	10.2	19.0



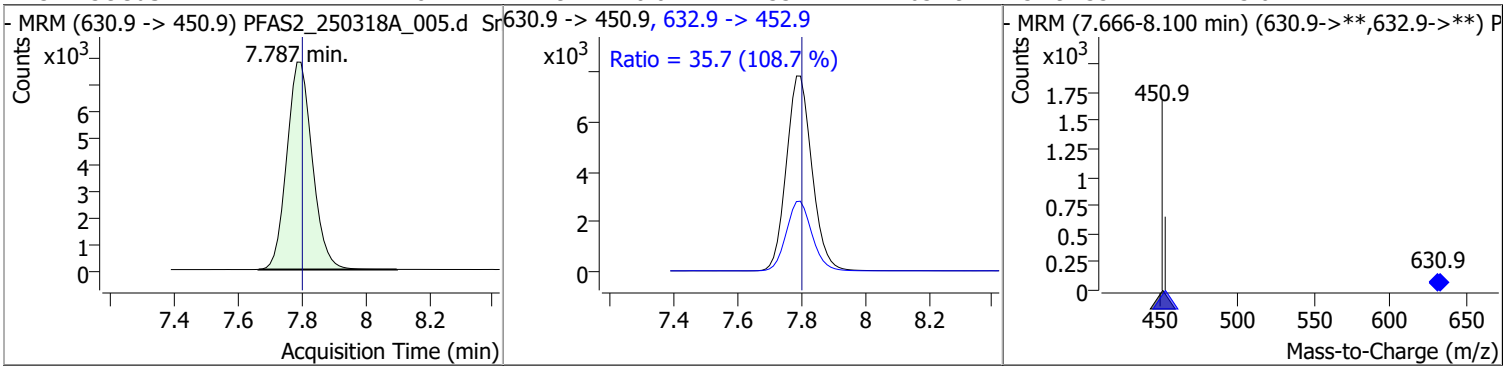
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.0187	7.53	-0.01	6453	598.9 -> 99.0	57.9	40.4	74.9



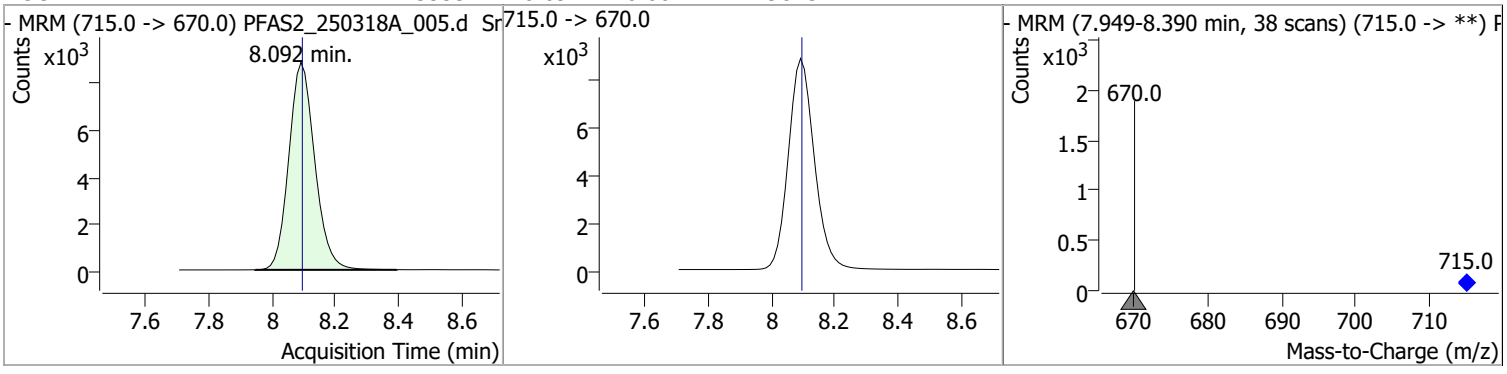
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.9475	7.72	-0.01	31318	663.0 -> 169.0	12.8	7.2	13.4



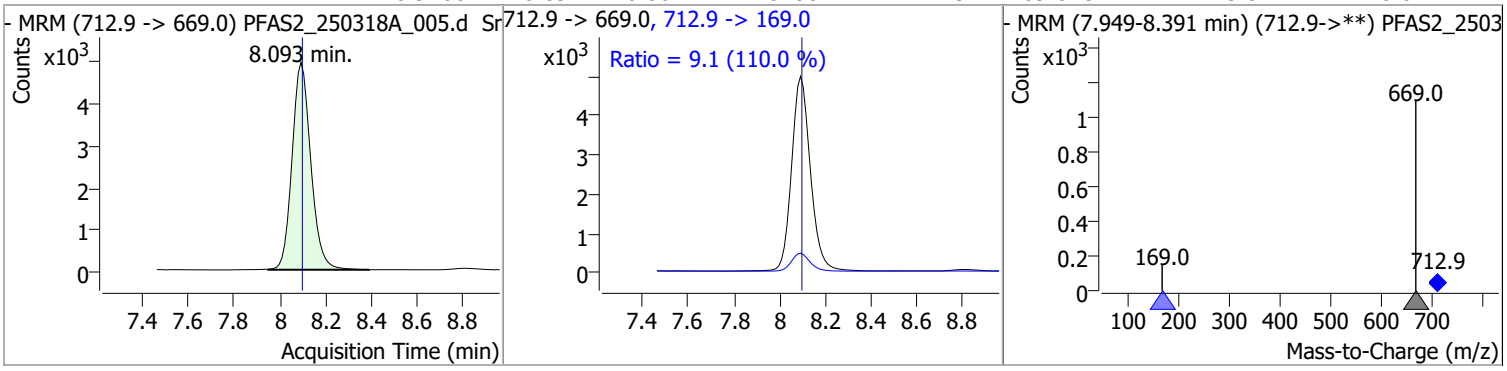
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	1.8217	7.79	-0.01	43321	632.9 -> 452.9	35.7	23.0	42.7



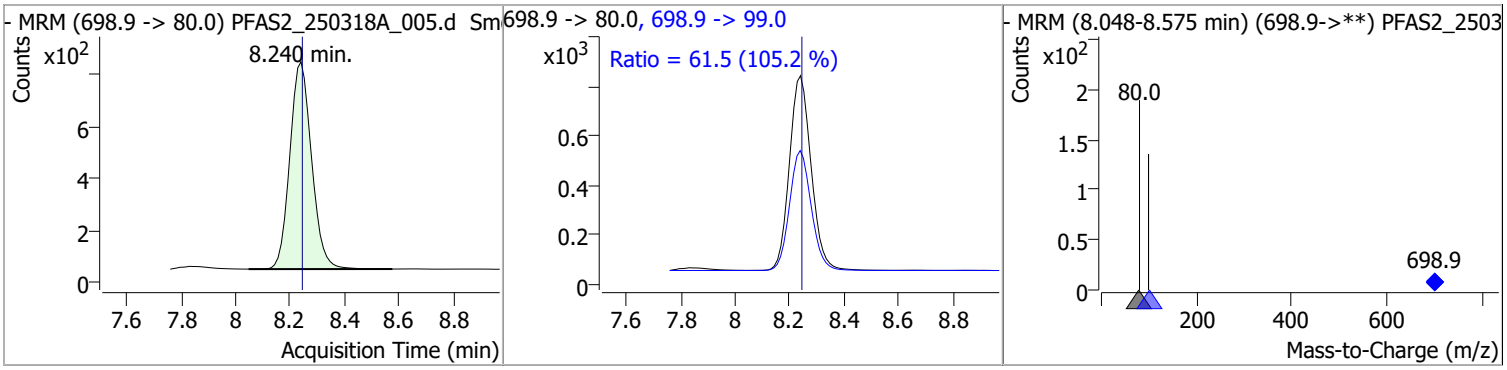
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3555	8.09	0.00	49843				



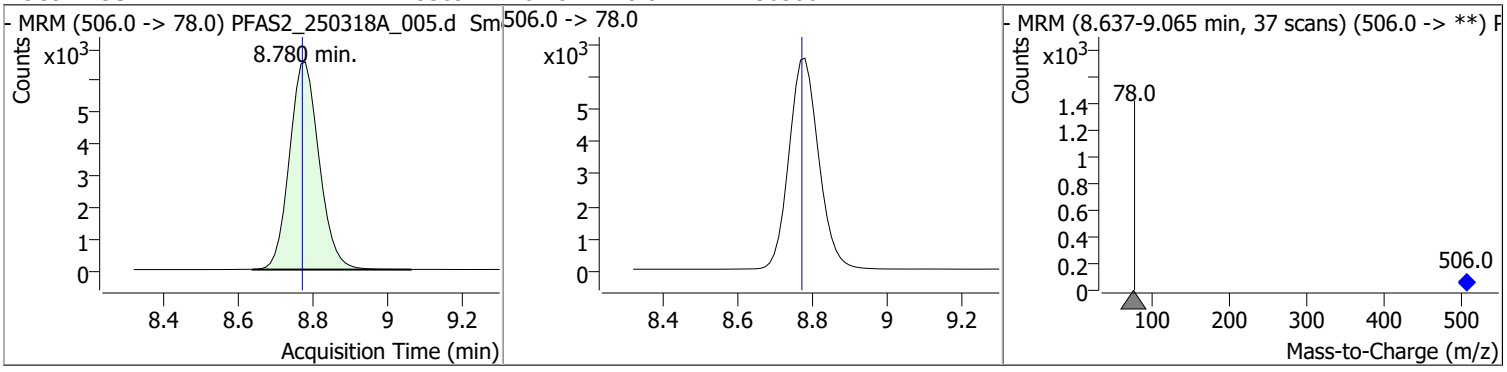
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.9266	8.09	0.00	28100	712.9 -> 169.0	9.1	5.8	10.8



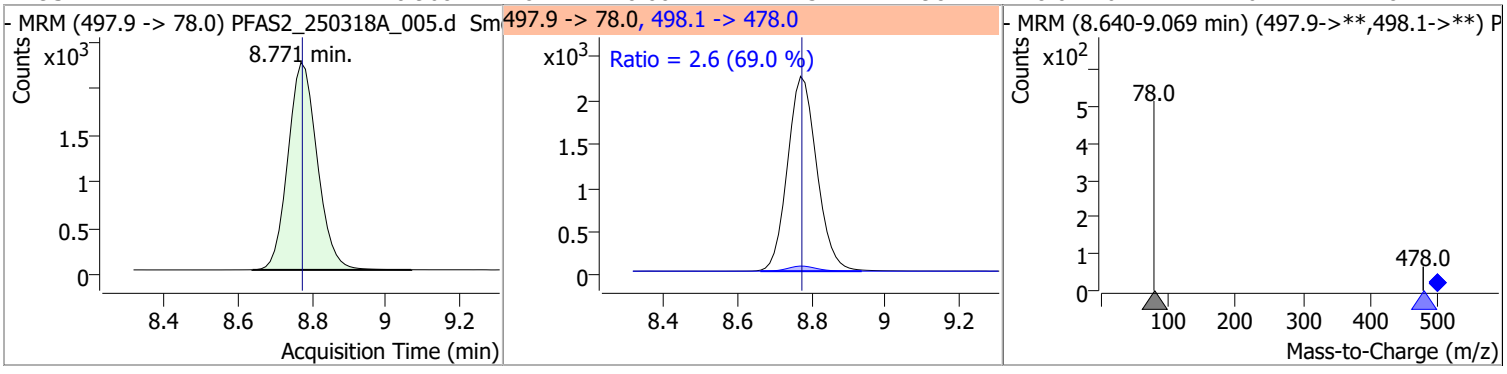
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.9893	8.24	0.00	4382	698.9 -> 99.0	61.5	41.0	76.1



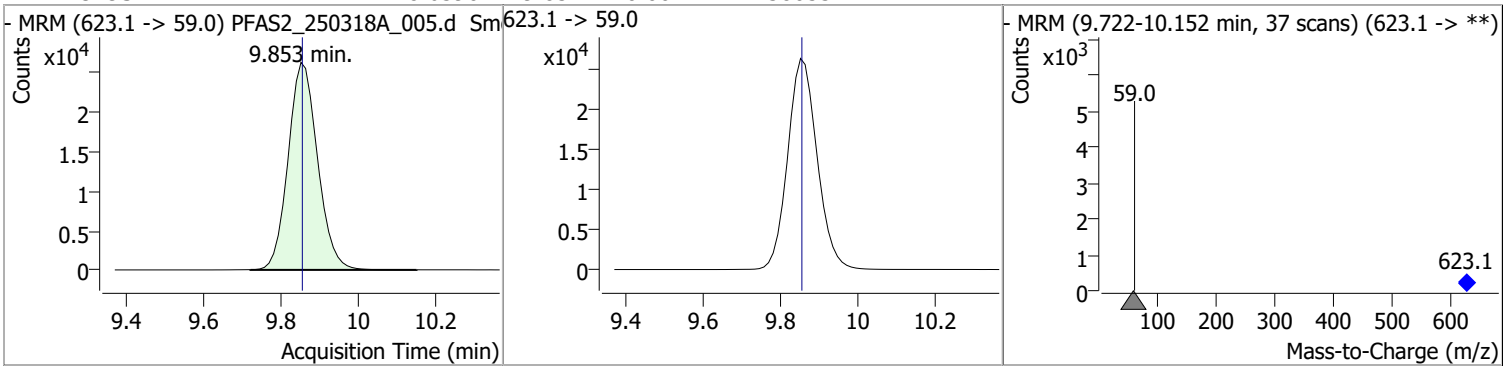
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5589	8.78	0.01	36388				



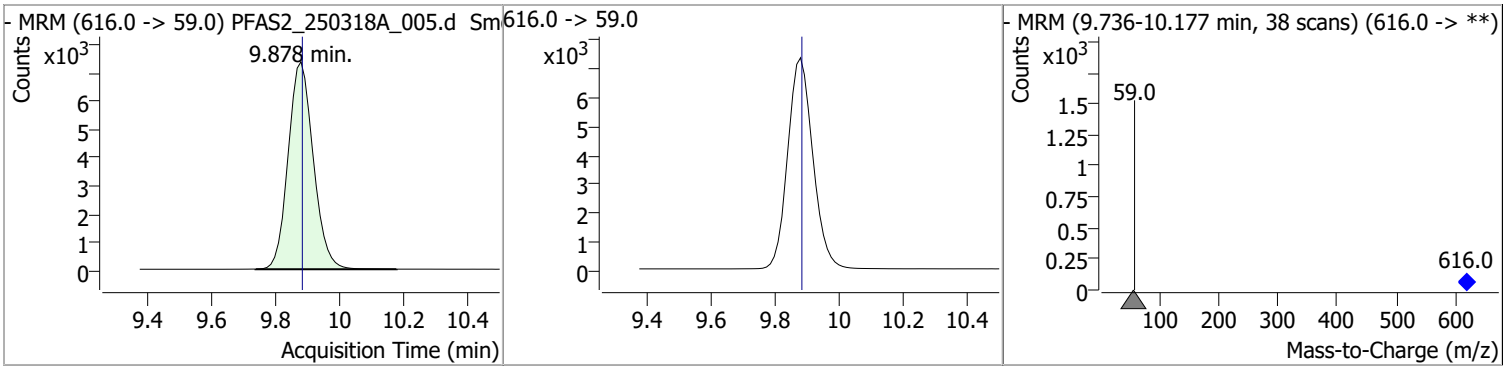
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.9681	8.77	0.00	12243	498.1 -> 478.0	2.6	2.6	4.8



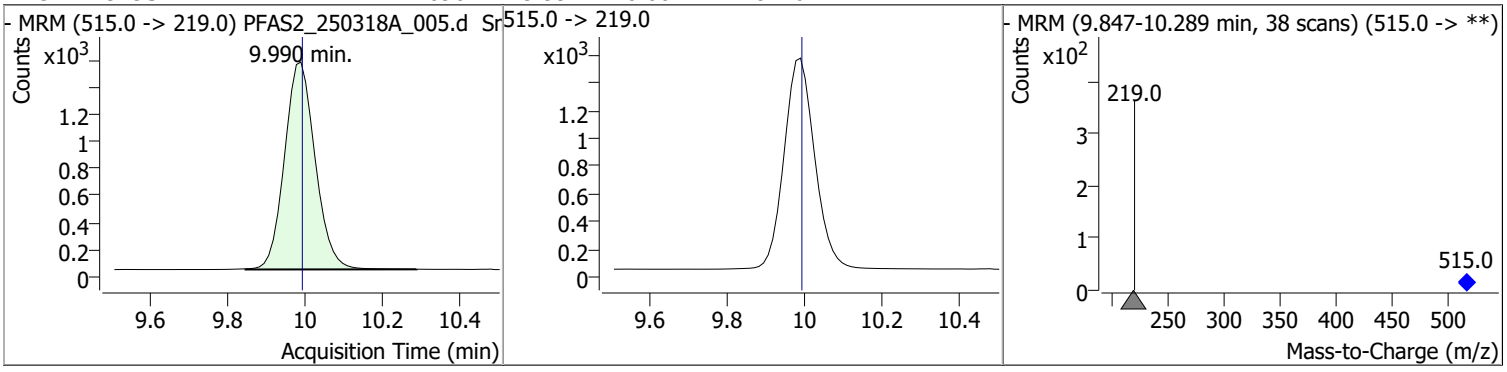
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	28.6390	9.85	0.00	138053				



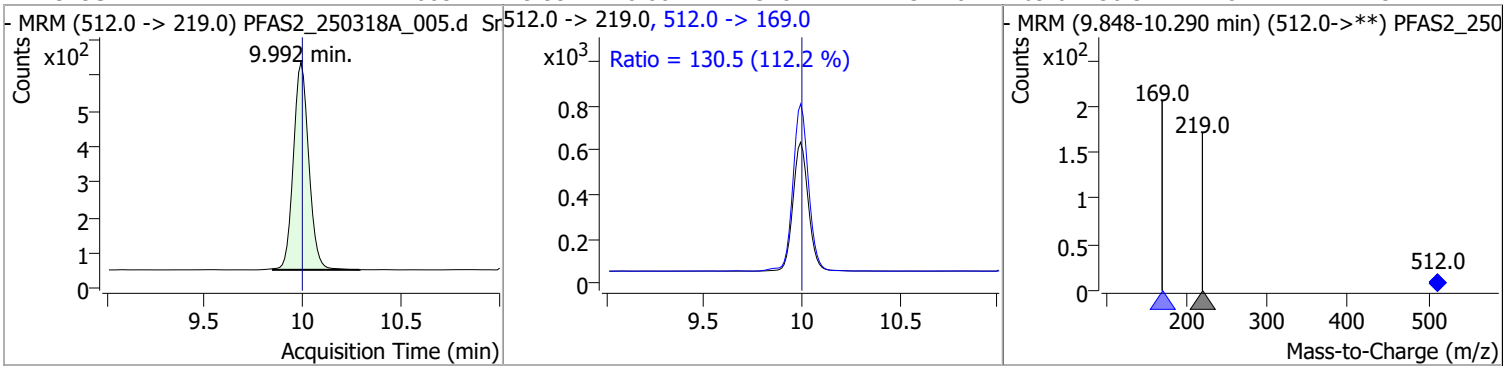
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	9.5789	9.88	0.00	39982				



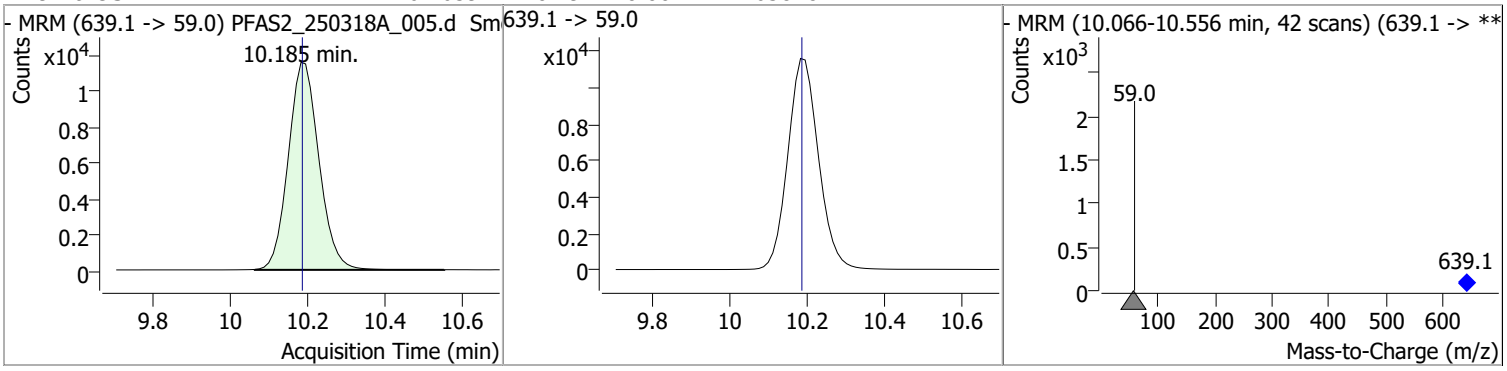
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1090	9.99	0.00	8416				



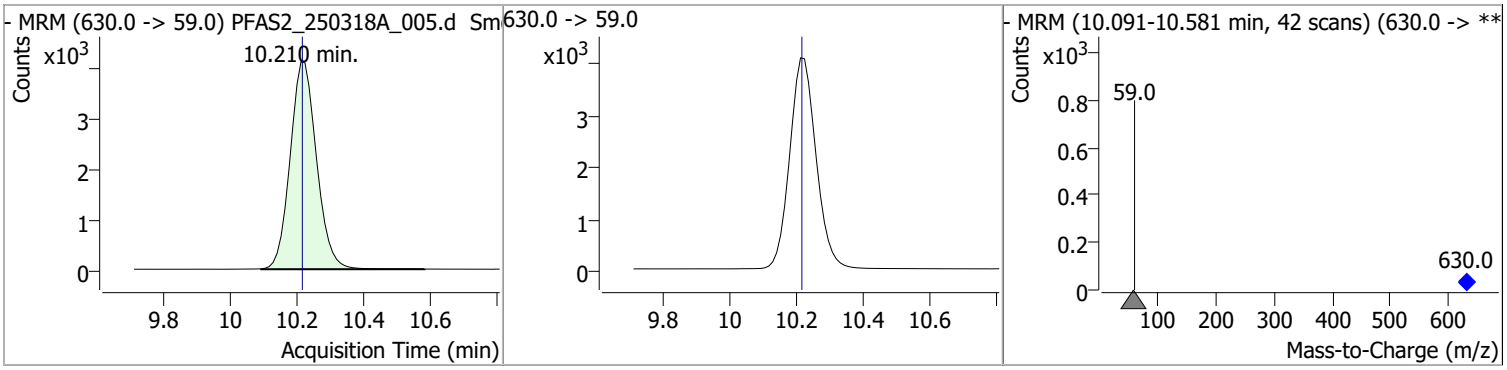
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	1.0052	9.99	0.00	3182	512.0 -> 169.0	130.5	81.4	151.2



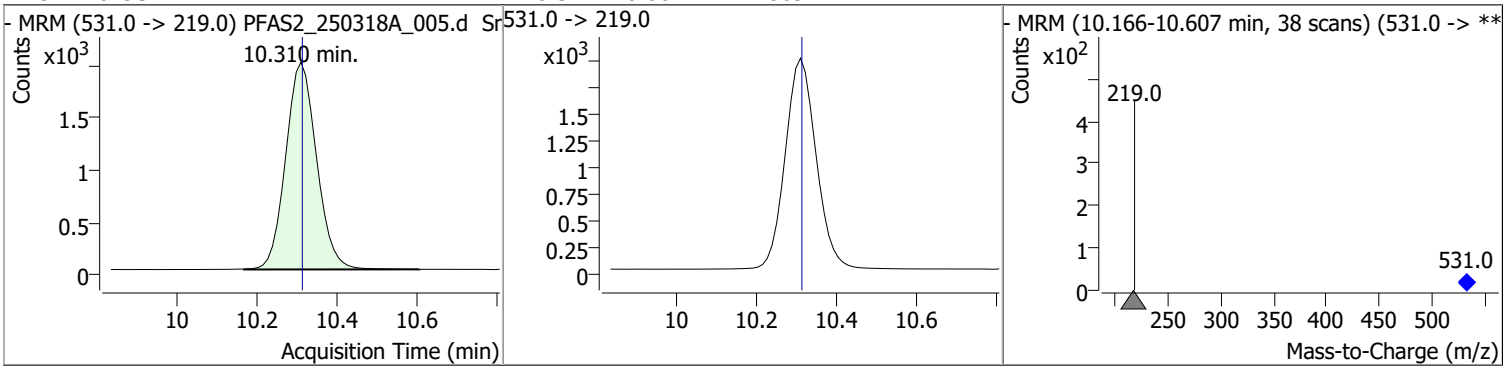
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.1659	10.19	0.00	63828				



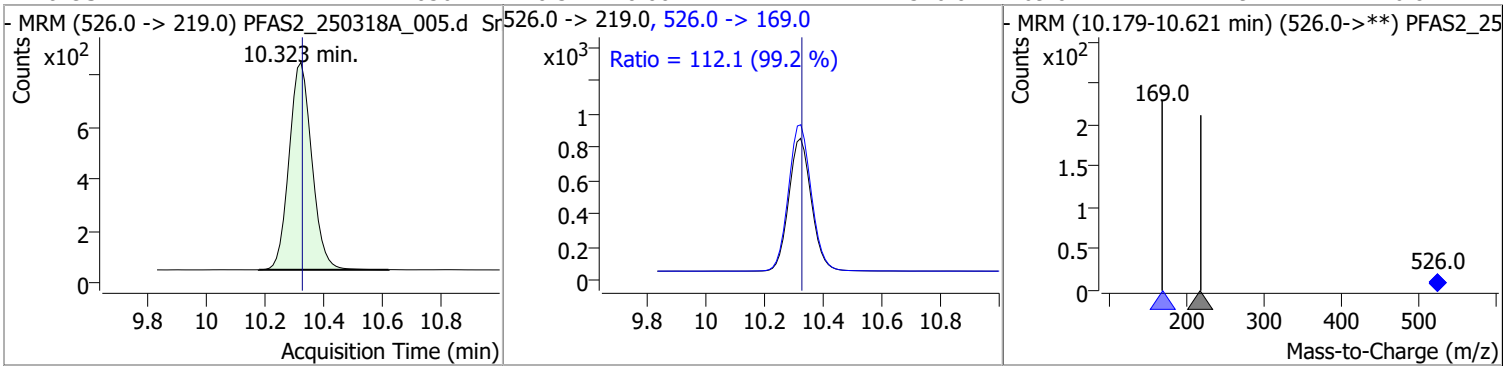
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	9.8118	10.21	0.00	22448				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4774	10.31	0.00	10691				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	1.0364	10.32	0.00	4274	526.0 -> 169.0	112.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_006.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:07:56 PM
Sample Name	SEQ-CAL4	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

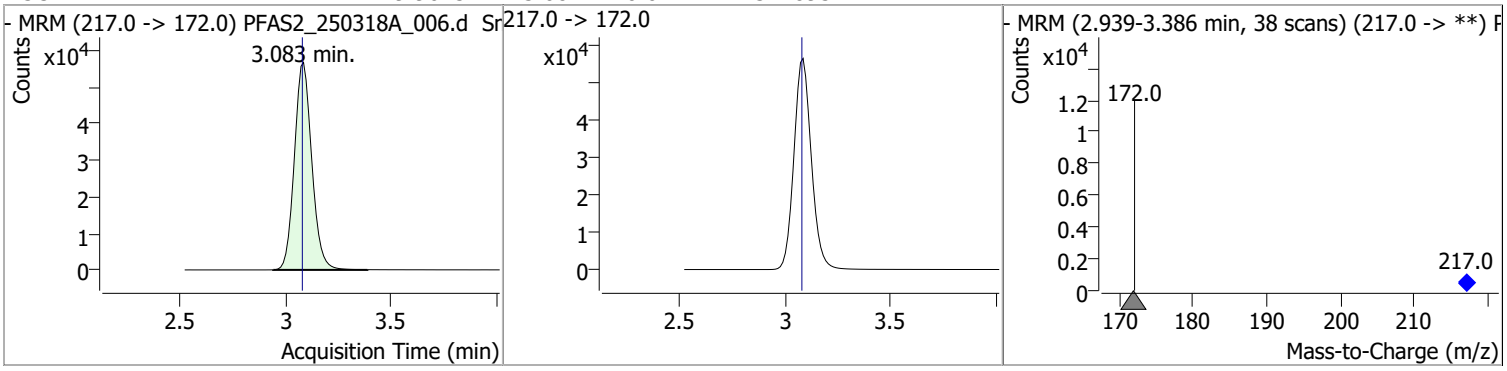
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	144378	5.0000	µg/L		5.507
13C2-PFHxA	4.890	315.0 -> 270.0	157199	2.5000	µg/L		2.460
18O2-PFHxS	5.955	403.0 -> 84.0	29823	2.5000	µg/L		0.652
13C4-PFOA	5.823	417.0 -> 172.0	15303	2.5000	µg/L		-0.938
13C5-PFNA	6.226	468.0 -> 423.0	69849	1.2500	µg/L		-1.859
13C2-PFDA	6.615	515.0 -> 470.0	64826	1.2500	µg/L		-3.065
13C4-PFOS	6.783	503.0 -> 80.0	24830	2.5000	µg/L		-0.317
System Monitoring Compounds							
13C4-PFBA	3.083	217.0 -> 172.0	324895	10.0000	µg/L		4.525
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.03%			
13C5-PFPeA	4.222	268.0 -> 223.0	206327	5.0000	µg/L		-0.286
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.33%			
13C5-PFPeA	4.222	268.0 -> 223.0	206327	5.0000	µg/L		-0.286
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.33%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28376	5.0000	µg/L	#	12.316
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 112.04%			
13C5-PFHxA	4.889	318.0 -> 273.0	167518	2.5000	µg/L		-0.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.81%			
13C5-PFHxA	4.889	318.0 -> 273.0	167518	2.5000	µg/L		-0.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.81%			
13C3-PFBS	4.929	302.0 -> 80.0	63010	2.5000	µg/L		3.765
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.20%			
13C3-PFBS	4.929	302.0 -> 80.0	63010	2.5000	µg/L		3.765
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.20%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	173994	10.0000	µg/L		-0.445
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.16%			
13C4-PFHpA	5.397	367.0 -> 322.0	191026	2.5000	µg/L		1.133
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%			
13C3-PFHxS	5.956	402.0 -> 80.0	35431	2.5000	µg/L		1.379
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15616	5.0000	µg/L	#	5.736
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.16%			
13C8-PFOA	5.823	421.0 -> 376.0	170150	2.5000	µg/L		-1.499
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.45%			
13C3-PFHxS	5.956	402.0 -> 80.0	35431	2.5000	µg/L		1.379
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.75%			
13C9-PFNA	6.225	472.0 -> 427.0	67577	1.2500	µg/L		-4.097
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.67%			
13C8-PFOS	6.782	507.0 -> 80.0	25909	2.5000	µg/L		2.472
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.84%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11688	5.0000	µg/L	#	-1.335
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.90%			
13C6-PFDA	6.615	519.0 -> 474.0	64304	1.2500	µg/L		-5.380
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.52%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51845	5.0000	µg/L		-7.119

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.07%		
13C8-PFOS	6.782	507.0 -> 80.0	25909	2.5000	µg/L	2.472
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.84%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	39173	5.0000	µg/L	-7.105
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.14%		
13C7-PFUnDA	7.002	570.0 -> 525.0	55776	1.2500	µg/L	4.054
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.33%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	41232	1.2500	µg/L	-6.535
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.26%		
13C2-PFDoDA	7.367	615.0 -> 570.0	36792	1.2500	µg/L	-7.895
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.03%		
13C2-PFTDA	8.092	715.0 -> 670.0	45673	1.2500	µg/L	-5.410
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.28%		
13C8-PFOSA	8.780	506.0 -> 78.0	37463	2.5000	µg/L	1.357
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.47%		
2H7-MeFOSE	9.853	623.1 -> 59.0	139775	25.0000	µg/L	11.246
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 111.69%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	11041	2.5000	µg/L	6.474
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.56%		
2H9-EtFOSE	10.197	639.1 -> 59.0	68989	25.0000	µg/L	8.629
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 108.94%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12163	2.5000	µg/L	8.214
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.57%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	229760	8.1356	µg/L	100
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 101.69%		
PFMPA	3.614	229.0 -> 85.0	81623	4.1498	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.75%		
3-3 FTCA	3.790	241.0 -> 177.0	5987	8.6722	µg/L	98
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 108.40%		
PFPeA	4.223	263.0 -> 219.0	153054	4.0274	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 100.68%		
PFMBA	4.465	279.0 -> 85.0	120184	4.1763	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 104.41%		
4-2 FTSA	4.698	327.0 -> 307.0	123537	7.1632	µg/L	94
Spiked Amount: 7.500	Range: 70 - 130%			Recovery = 95.51%		
NFDHA	4.823	295.0 -> 201.0	5870	4.7648	µg/L	96
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 119.12%		
PFHxA	4.892	313.0 -> 269.0	122716	2.0472	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.36%		
PFBS	4.930	298.9 -> 80.0	47460	1.8153	µg/L	93
Spiked Amount: 1.774	Range: 70 - 130%			Recovery = 102.33%		
HFPO-DA	5.087	285.0 -> 169.0	67537	4.3750	µg/L	87
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 109.38%		
PFEESA	5.201	314.9 -> 135.0	300166	3.5720	µg/L	99
Spiked Amount: 3.560	Range: 70 - 130%			Recovery = 100.34%		
PFHpA	5.398	363.0 -> 319.0	149864	2.0478	µg/L	97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.39%		
5-3 FTCA	5.458	341.0 -> 237.0	194561	41.9437	µg/L	91
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 104.86%		
PFPeS	5.494	348.9 -> 80.0	39079	2.0428	µg/L	91
Spiked Amount: 1.882	Range: 70 - 130%			Recovery = 108.54%		
DONA	5.551	377.0 -> 251.0	380089	3.7594	µg/L	99
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 99.46%		

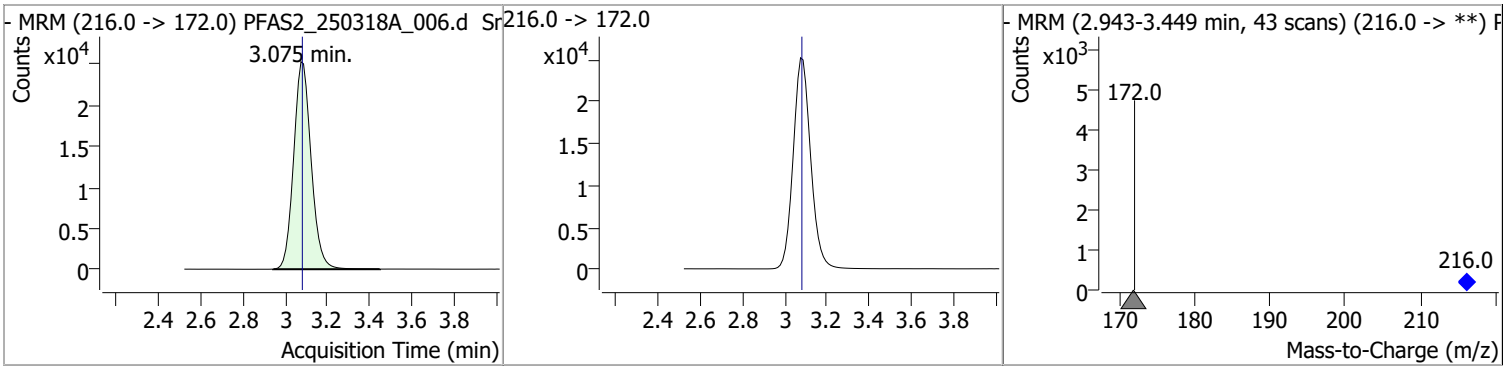
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	78931	7.2757	µg/L	#	83
Spiked Amount: 7.600	Range: 70 - 130%			Recovery = 95.73%			
PFOA	5.824	413.0 -> 369.0	137255	2.0697	µg/L		95
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.49%			
PFHxS	5.957	398.9 -> 80.0	25933	1.8818	µg/L		92
Spiked Amount: 1.828	Range: 70 - 130%			Recovery = 102.94%			
PFNA	6.226	463.0 -> 419.0	109136	2.0752	µg/L		99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.76%			
PFHpS	6.382	448.9 -> 80.0	19813	1.8385	µg/L		97
Spiked Amount: 1.906	Range: 70 - 130%			Recovery = 96.46%			
8-2 FTSA	6.424	527.0 -> 507.0	35662	6.7935	µg/L	#	53
Spiked Amount: 7.680	Range: 70 - 130%			Recovery = 88.46%			
7-3 FTCA	6.597	441.0 -> 317.0	133109	37.9218	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.80%			
PFDA	6.615	513.0 -> 469.0	102283	2.1669	µg/L		94
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 108.34%			
N-MeFOSAA	6.754	570.0 -> 419.0	18836	2.0604	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.02%			
PFOS	6.784	498.9 -> 80.0	18835	1.8350	µg/L		100
Spiked Amount: 1.856	Range: 70 - 130%			Recovery = 98.87%			
N-EtFOSAA	6.965	584.0 -> 419.0	14876	2.0177	µg/L		94
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.89%			
PFUnDA	7.003	563.0 -> 519.0	81930	1.9853	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.26%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	198416	3.6756	µg/L		91
Spiked Amount: 3.740	Range: 70 - 130%			Recovery = 98.28%			
PFNS	7.159	548.9 -> 80.0	17796	2.0135	µg/L		96
Spiked Amount: 1.924	Range: 70 - 130%			Recovery = 104.65%			
PFDoDA	7.368	613.0 -> 569.0	57771	2.1419	µg/L		96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 107.10%			
PFDS	7.537	598.9 -> 80.0	12357	1.8712	µg/L		95
Spiked Amount: 1.930	Range: 70 - 130%			Recovery = 96.95%			
PFTrDA	7.736	663.0 -> 619.0	68026	2.1896	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 109.48%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	91733	3.9803	µg/L		95
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 105.30%			
PFTDA	8.093	712.9 -> 669.0	56268	2.0181	µg/L		96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.90%			
PFDoS	8.240	698.9 -> 80.0	8527	1.8466	µg/L		94
Spiked Amount: 1.940	Range: 70 - 130%			Recovery = 95.18%			
PFOSA	8.771	497.9 -> 78.0	27083	2.0801	µg/L		97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 104.01%			
MeFOSE	9.878	616.0 -> 59.0	86552	20.5491	µg/L		100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.75%			
N-MeFOSA	9.992	512.0 -> 219.0	8531	2.0543	µg/L		91
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.72%			
EtFOSE	10.222	630.0 -> 59.0	50683	20.5115	µg/L		100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.56%			
N-EtFOSA	10.323	526.0 -> 219.0	9937	2.1180	µg/L		98
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 105.90%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

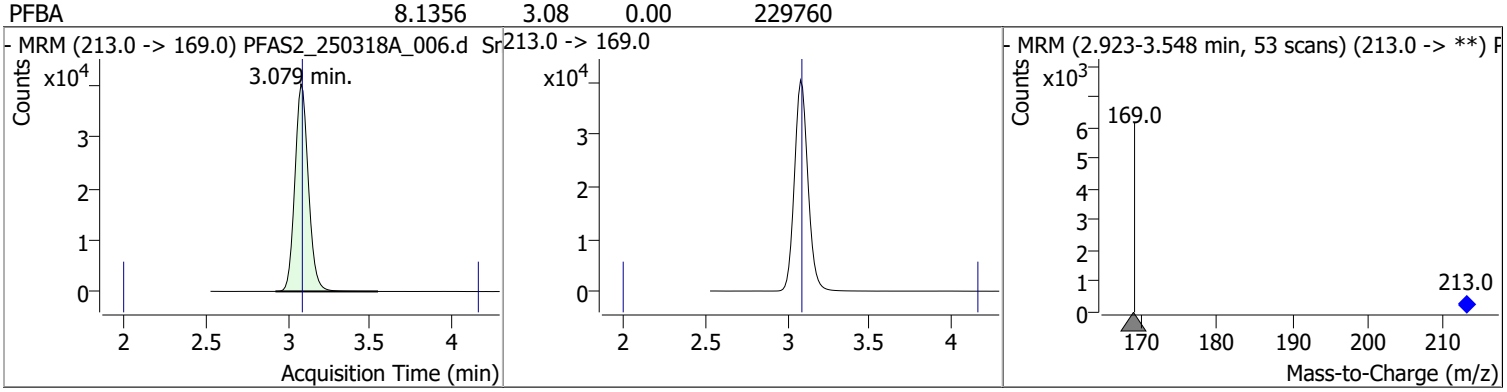
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9025	3.08	0.01	324895				



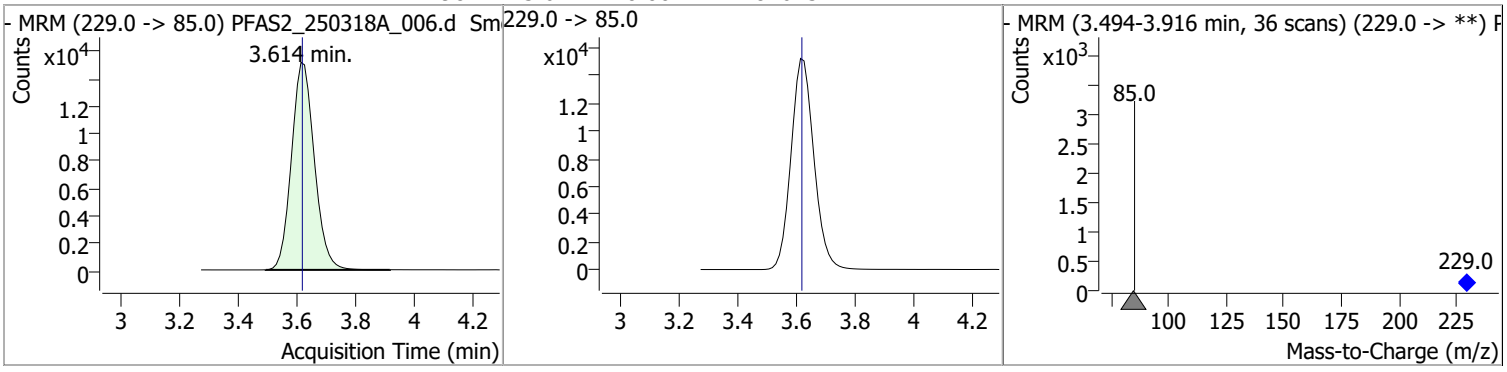
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	144378				



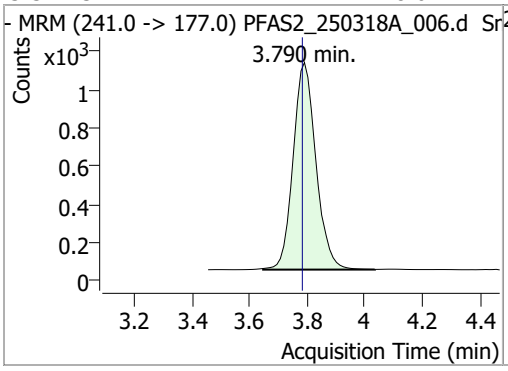
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	8.1356	3.08	0.00	229760				

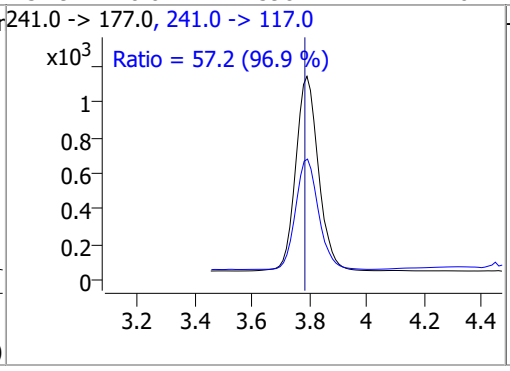


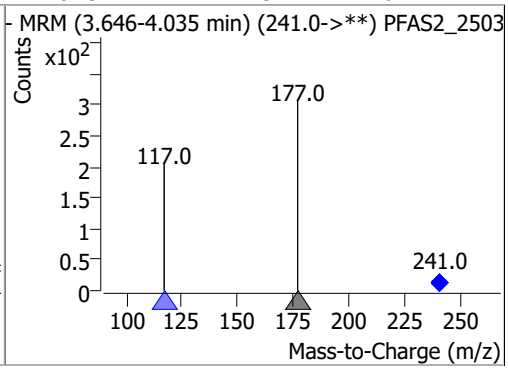
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	4.1498	3.61	0.00	81623				



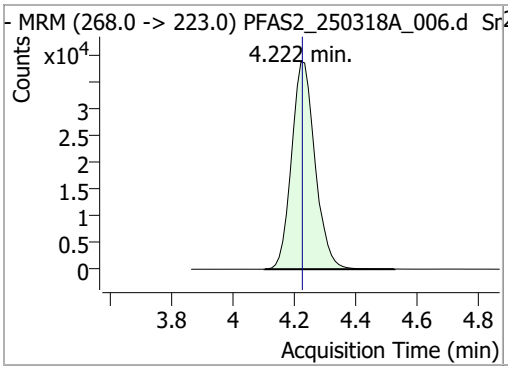
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	8.6722	3.79	0.01	5987	241.0 -> 117.0	57.2	41.3	76.7

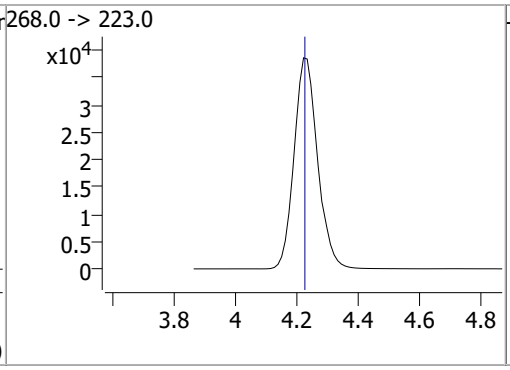


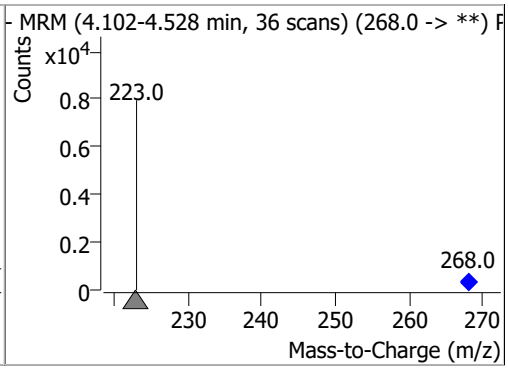




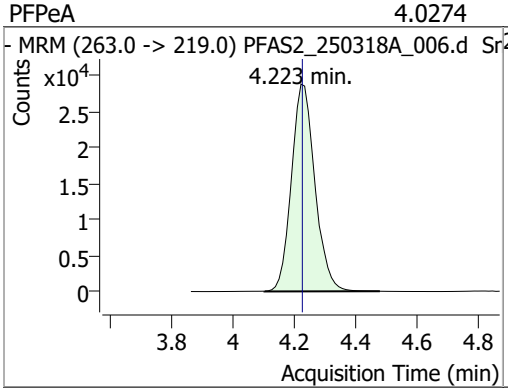
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8663	4.22	0.00	206327				

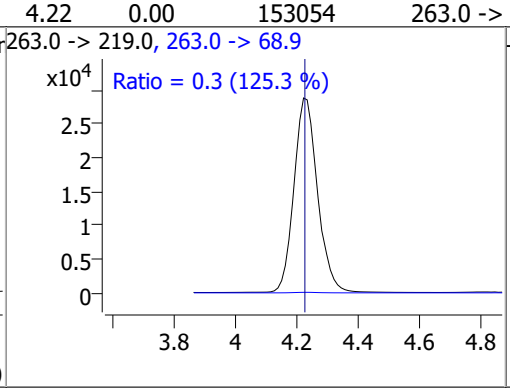


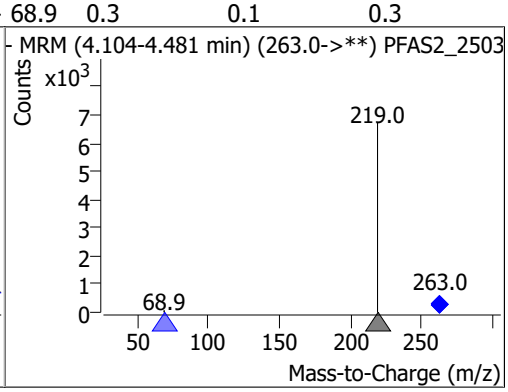




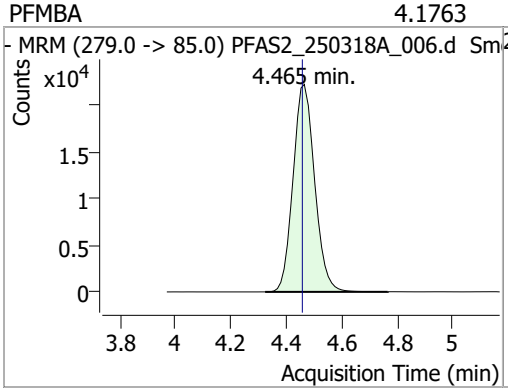
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	4.0274	4.22	0.00	153054	263.0 -> 68.9	0.3	0.1	0.3

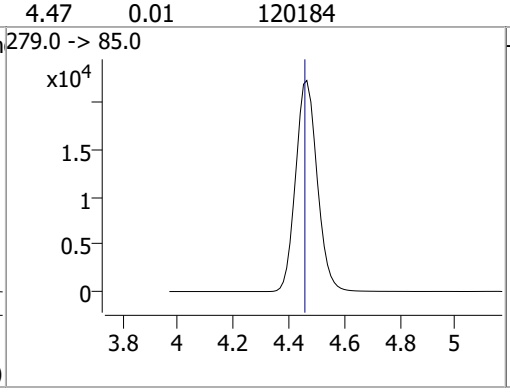


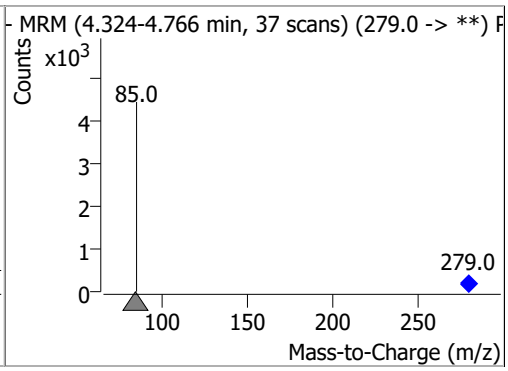




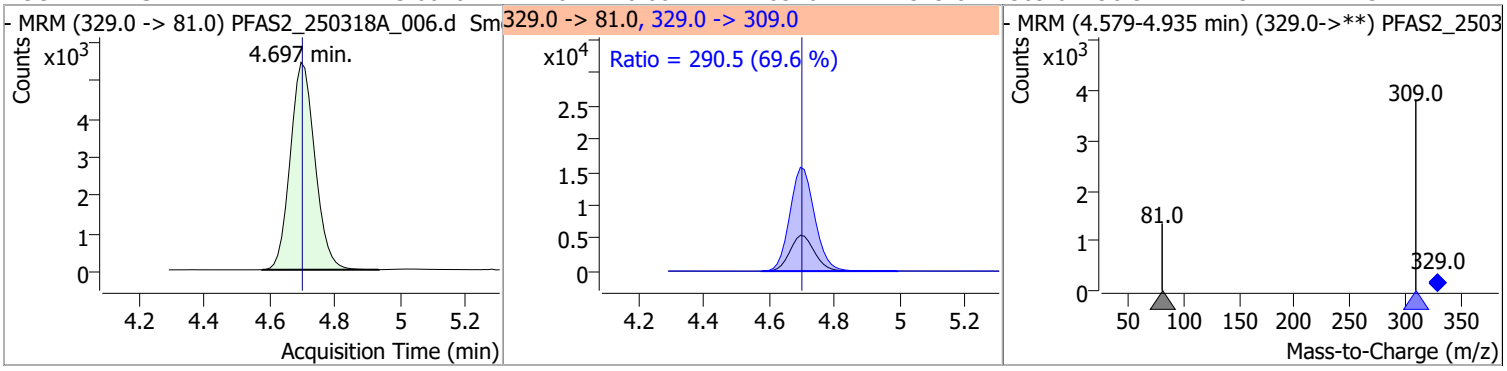
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	4.1763	4.47	0.01	120184				



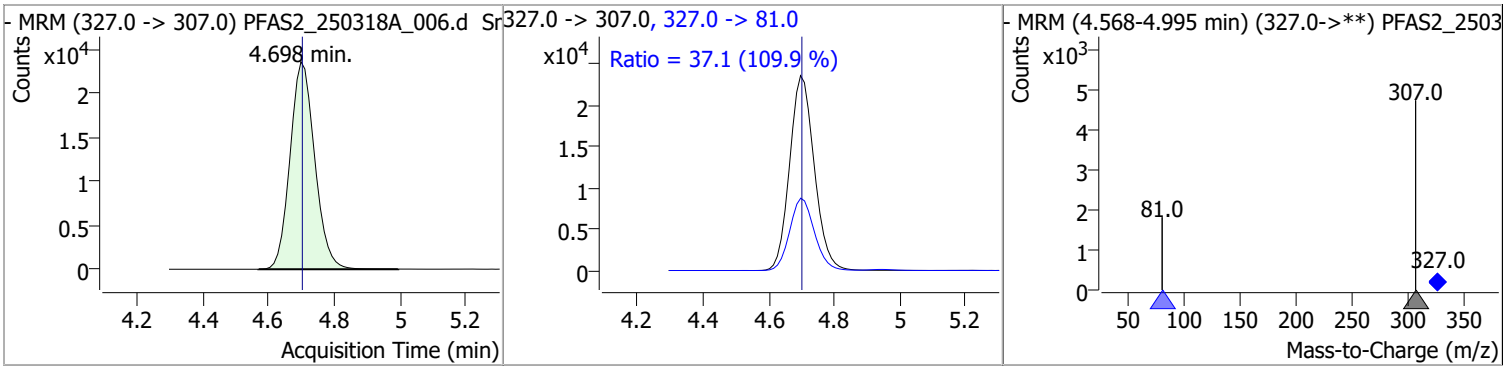




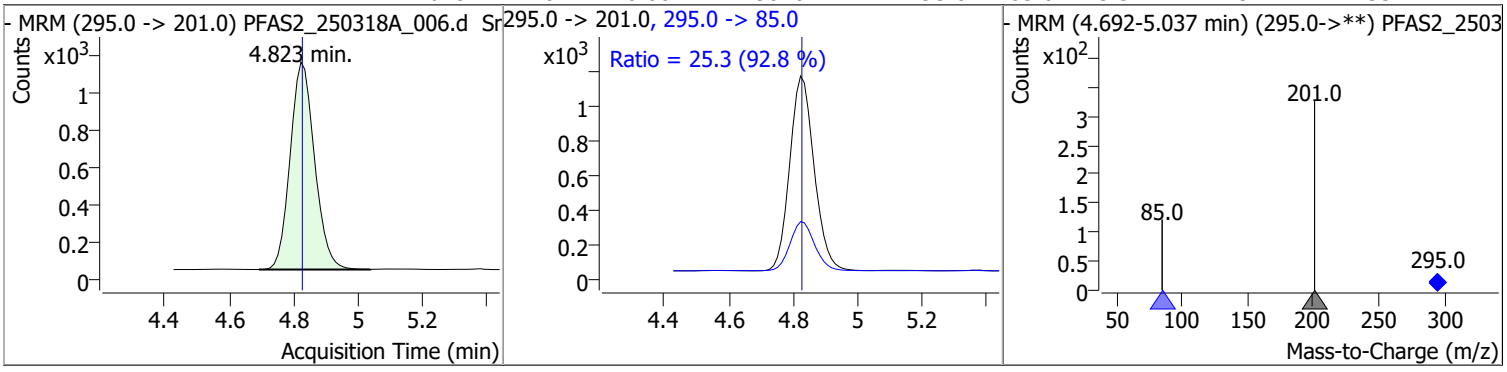
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6020	4.70	0.00	28376	329.0 -> 309.0	290.5	292.1	542.4



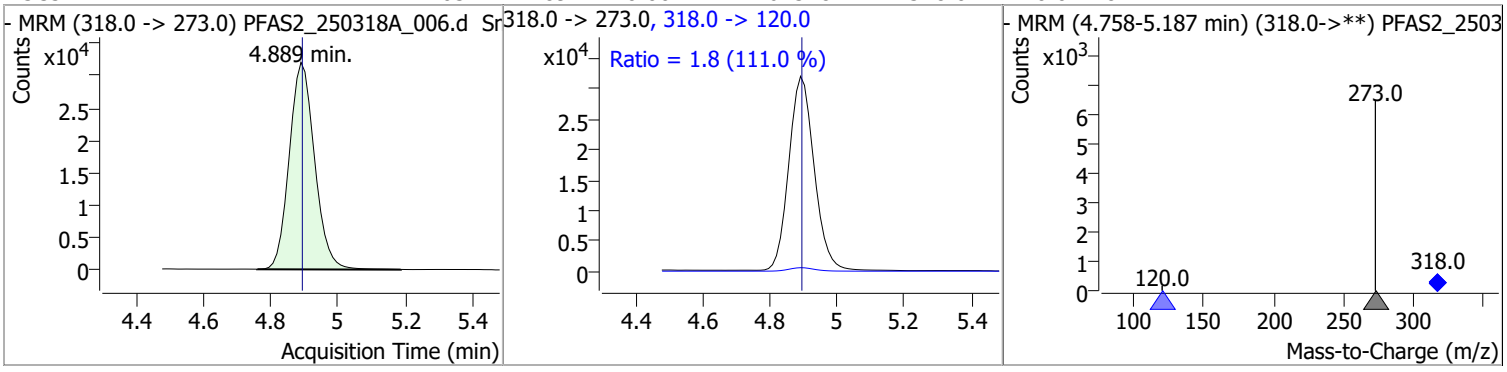
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	7.1632	4.70	0.00	123537	327.0 -> 81.0	37.1	23.6	43.9



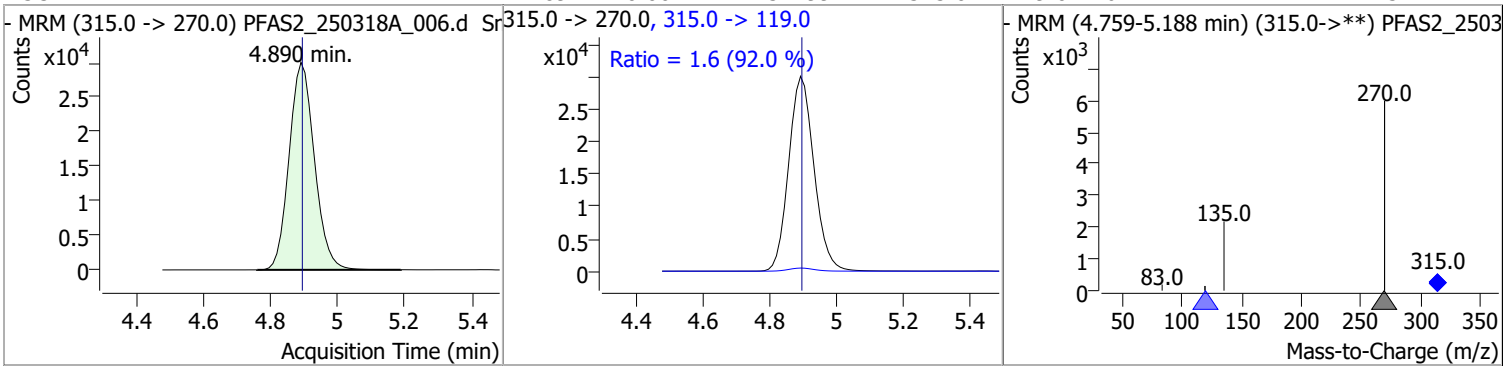
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	4.7648	4.82	0.00	5870	295.0 -> 85.0	25.3	19.1	35.4



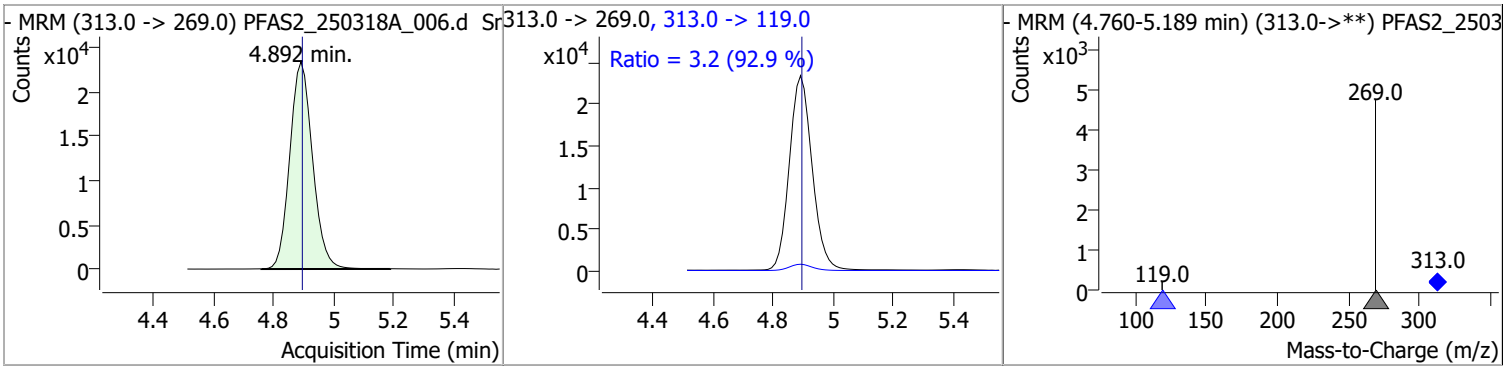
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4203	4.89	0.00	167518	318.0 -> 120.0	1.8	1.1	2.1



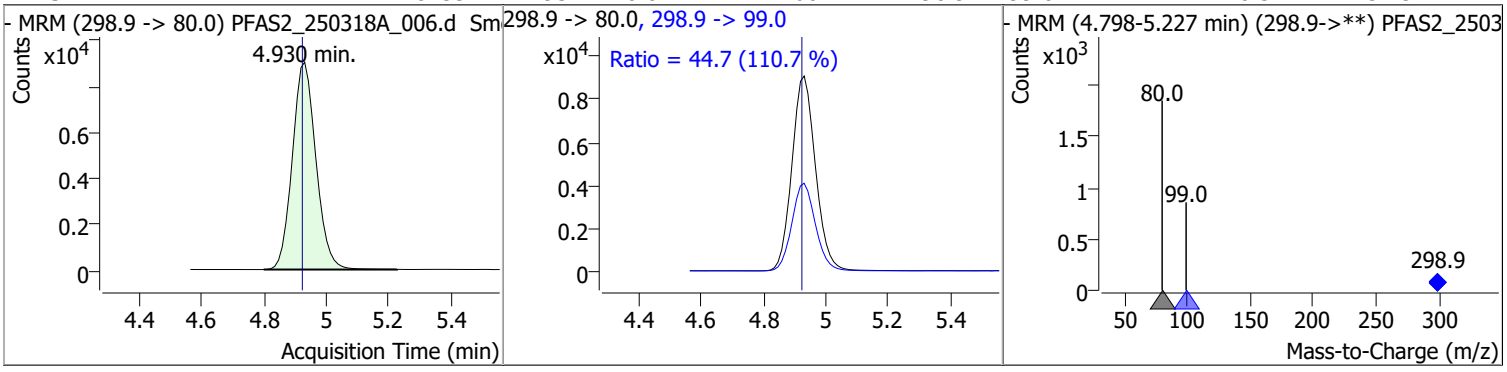
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	157199	315.0 -> 119.0	1.6	1.2	2.3



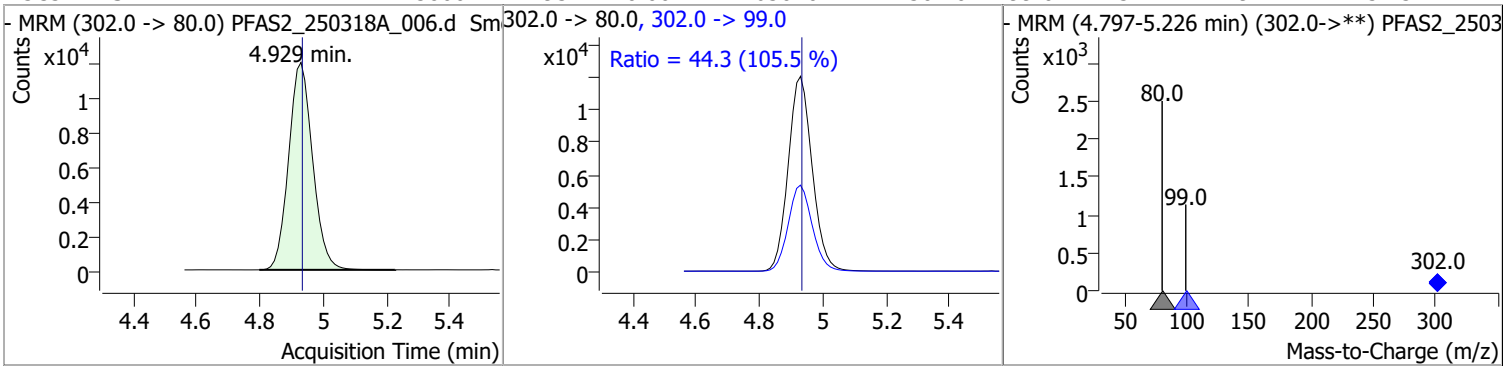
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	2.0472	4.89	0.00	122716	313.0 -> 119.0	3.2	2.4	4.5



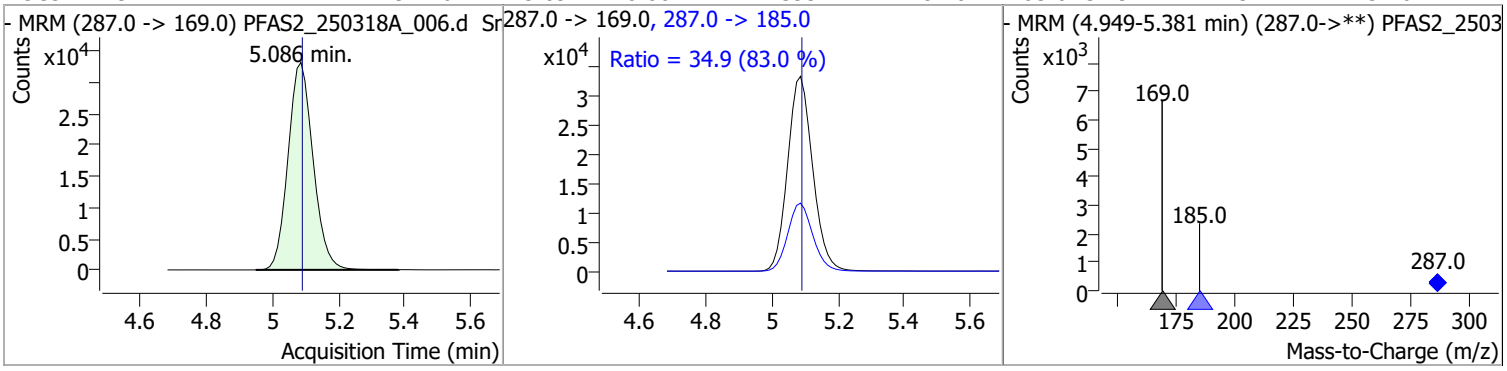
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	1.8153	4.93	0.01	47460	298.9 -> 99.0	44.7	28.3	52.5



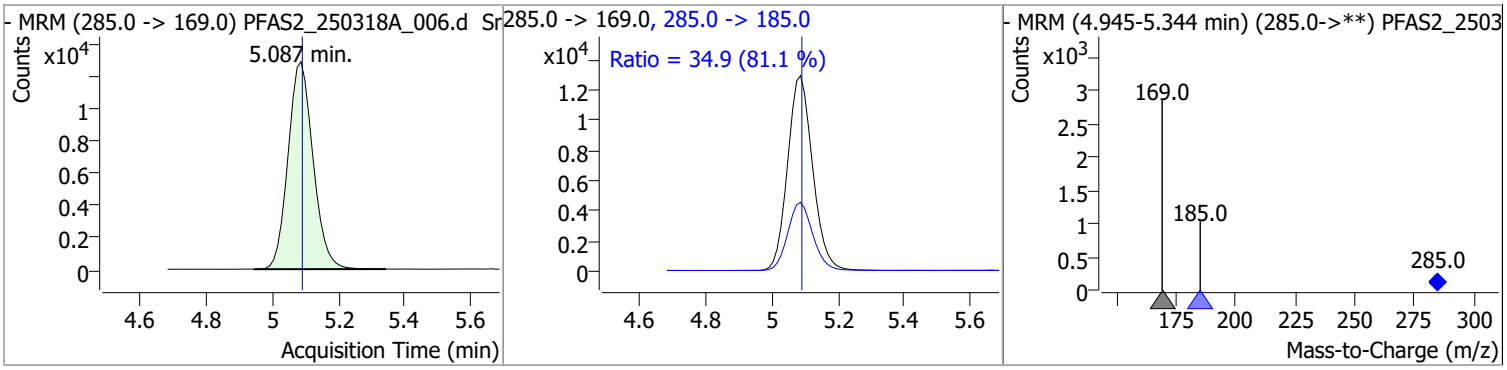
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5800	4.93	0.00	63010	302.0 -> 99.0	44.3	29.4	54.5



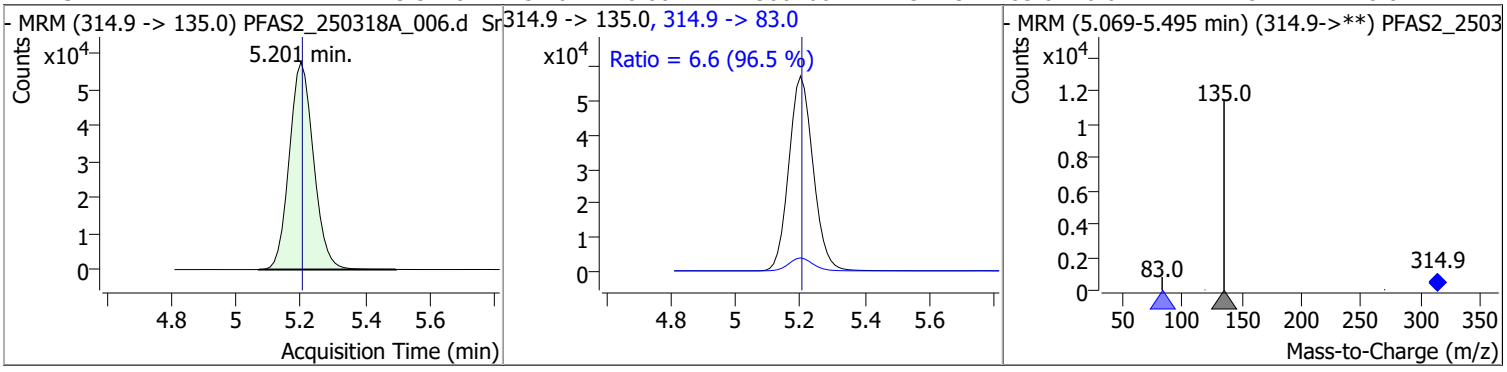
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7161	5.09	0.00	173994	287.0 -> 185.0	34.9	29.4	54.6



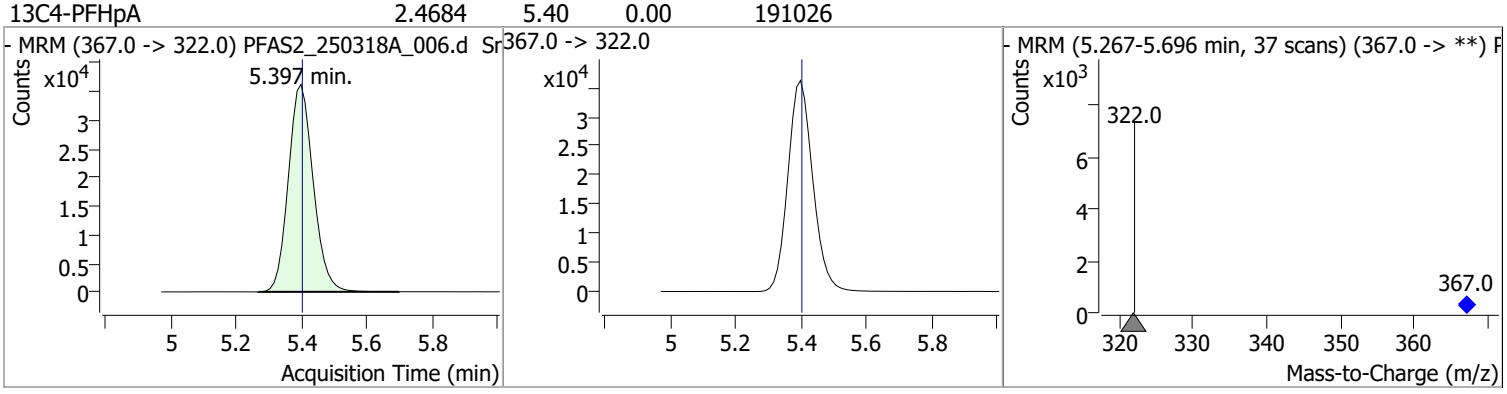
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	4.3750	5.09	0.00	67537	285.0 -> 185.0	34.9	30.1	56.0



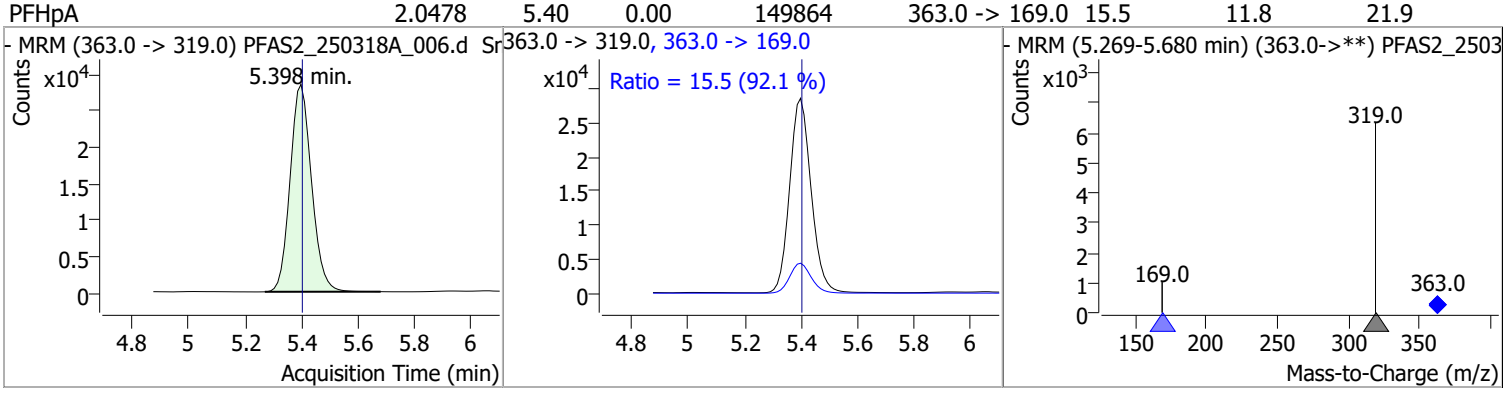
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	3.5720	5.20	0.00	300166	314.9 -> 83.0	6.6	4.8	8.8



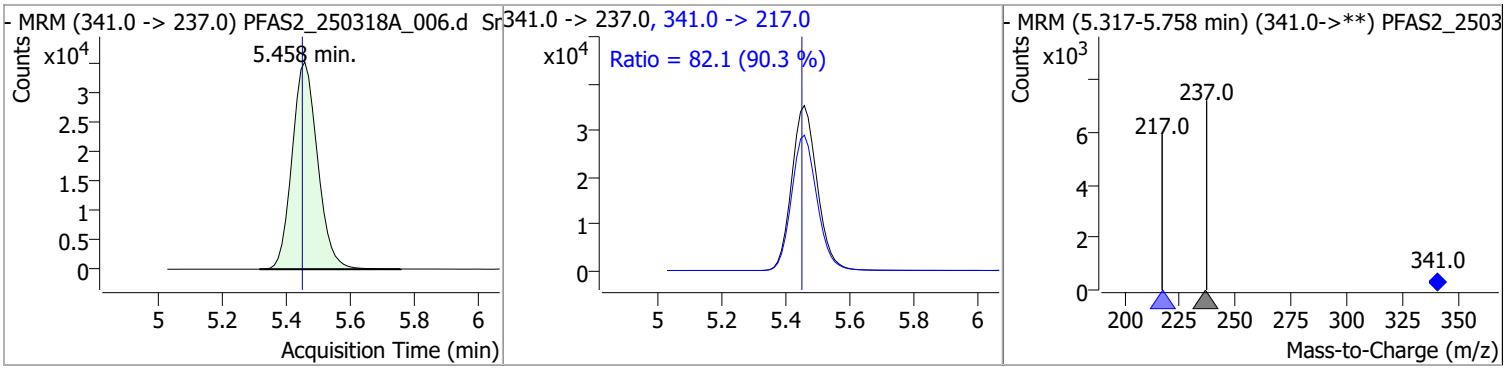
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4684	5.40	0.00	191026				



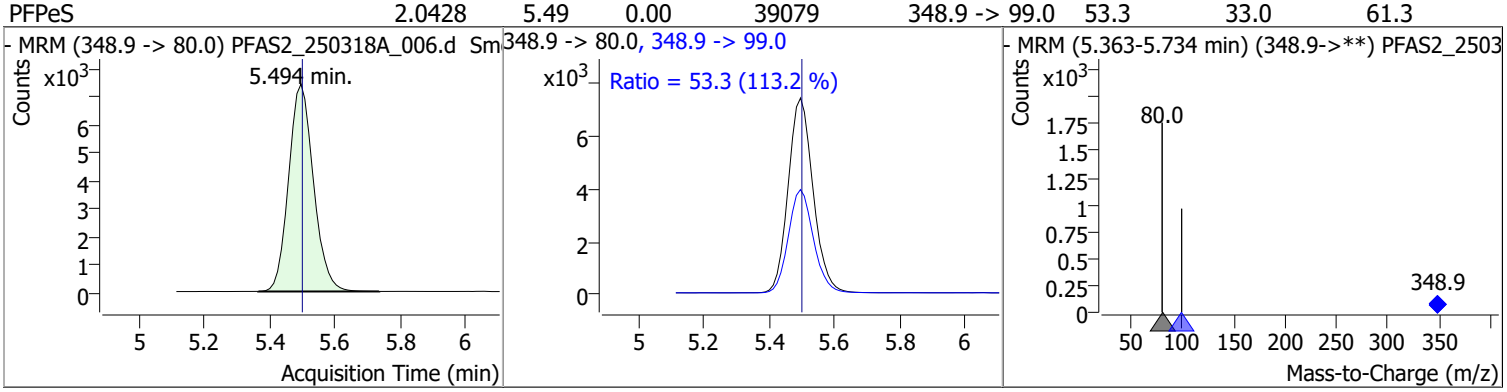
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	2.0478	5.40	0.00	149864	363.0 -> 169.0	15.5	11.8	21.9



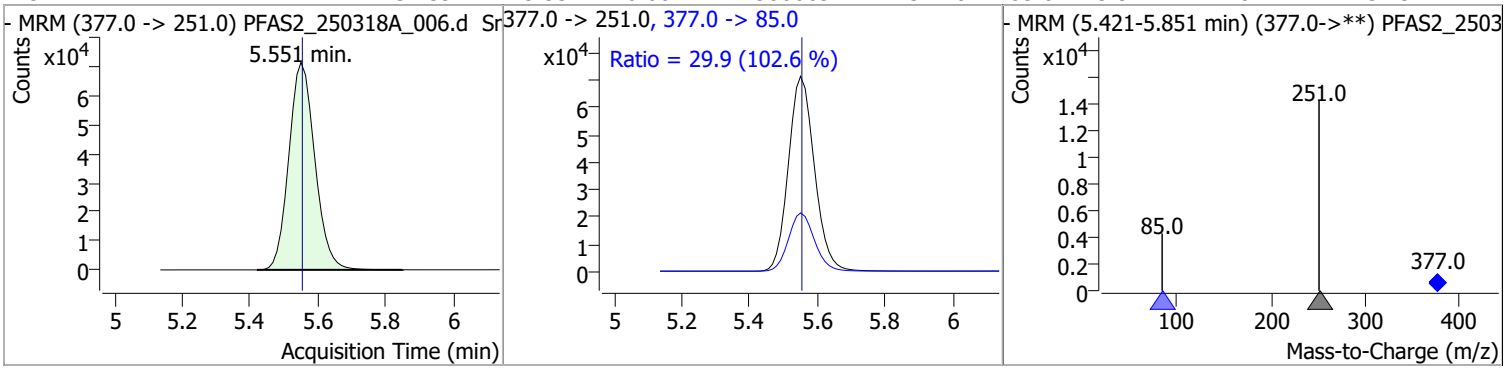
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	41.9437	5.46	0.01	194561	341.0 -> 217.0	82.1	63.6	118.1



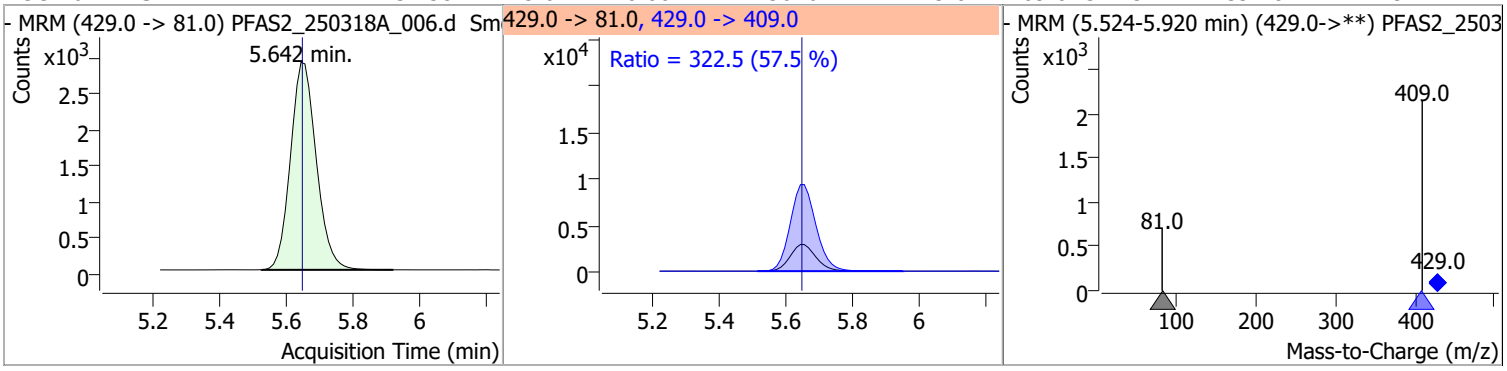
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	2.0428	5.49	0.00	39079	348.9 -> 99.0	53.3	33.0	61.3



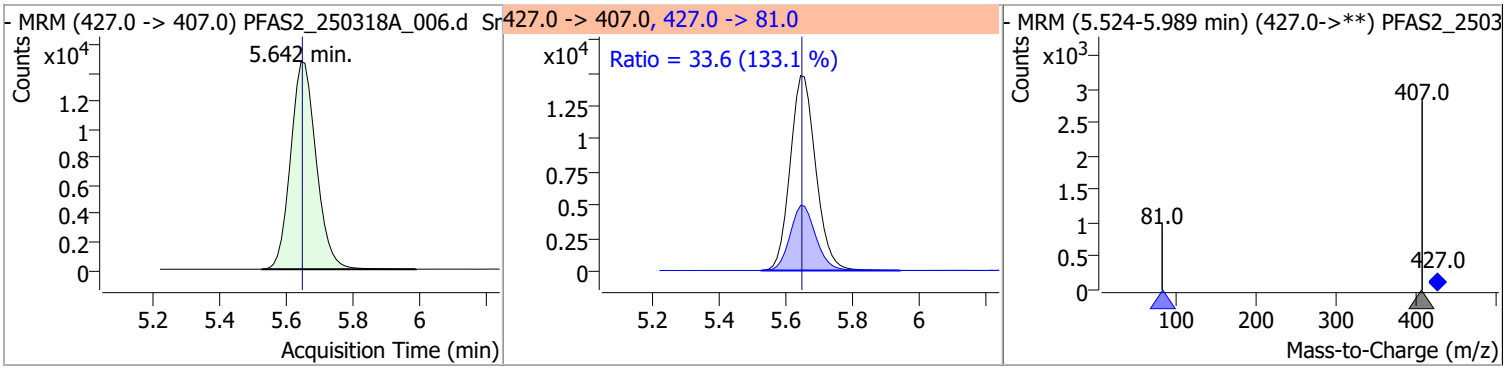
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	3.7594	5.55	0.00	380089	377.0 -> 85.0	29.9	20.4	37.9



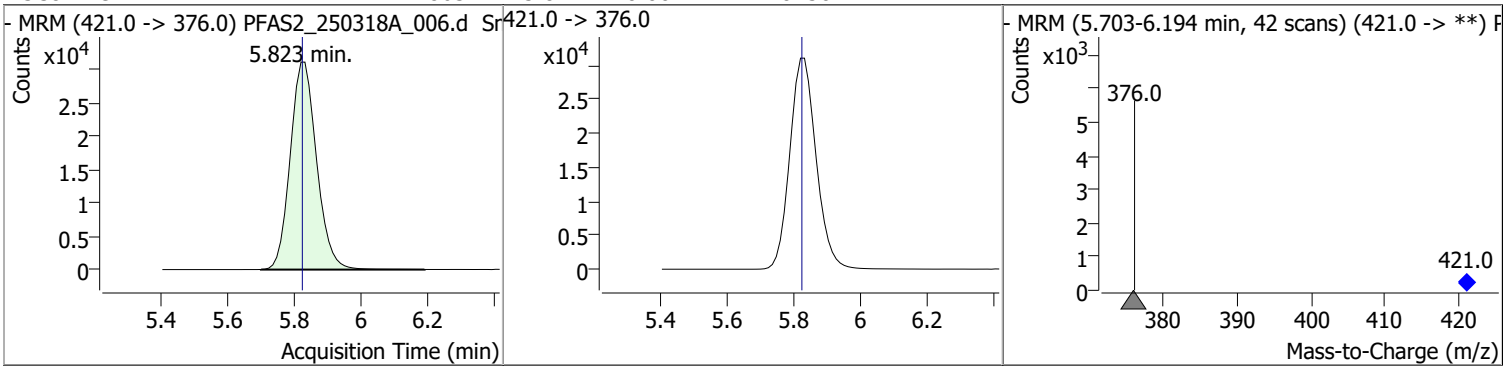
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2582	5.64	0.00	15616	429.0 -> 409.0	322.5	392.8	729.4



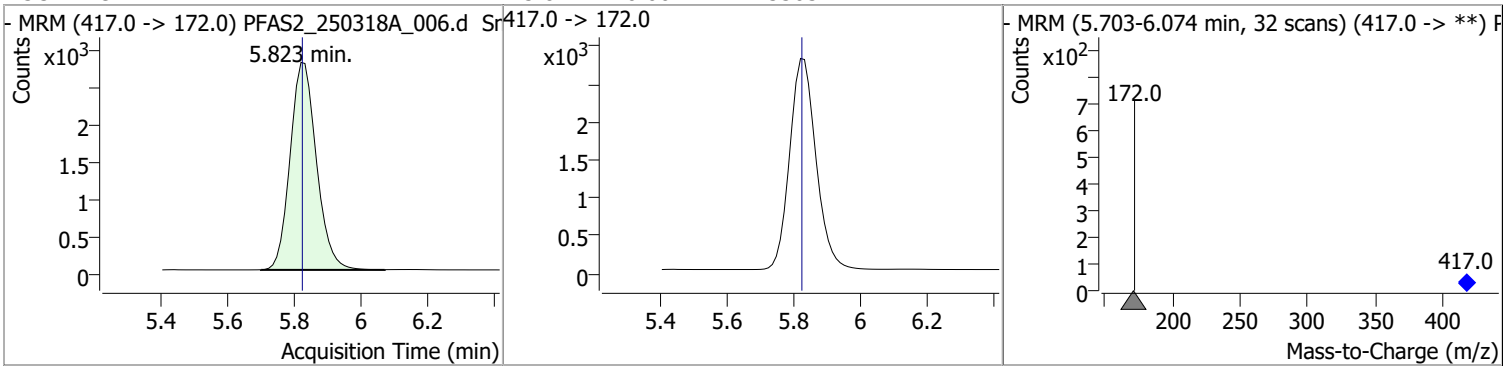
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	7.2757	5.64	0.00	78931	427.0 -> 81.0	33.6	17.7	32.8



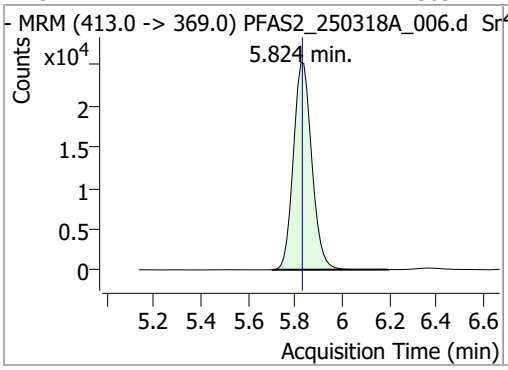
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4863	5.82	0.00	170150				

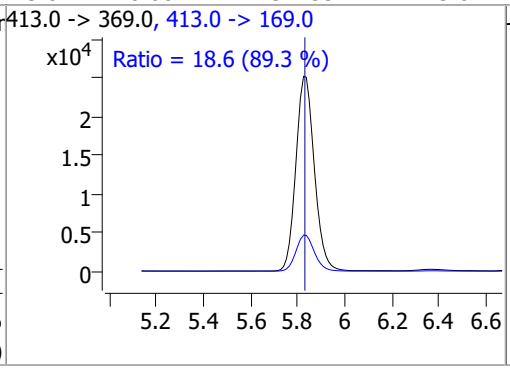


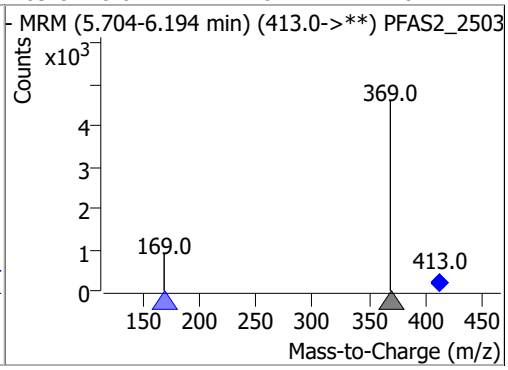
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15303				



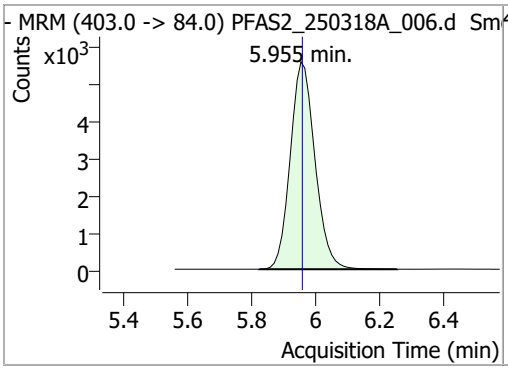
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	2.0697	5.82	0.00	137255	413.0 -> 169.0	18.6	14.6	27.0

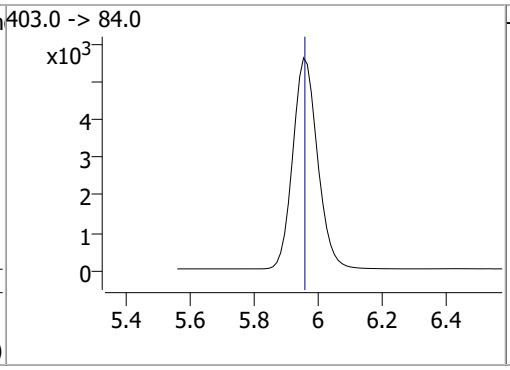


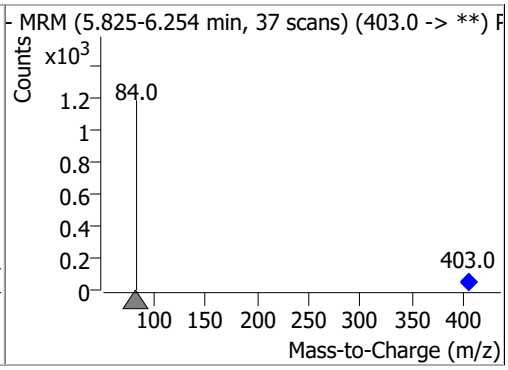




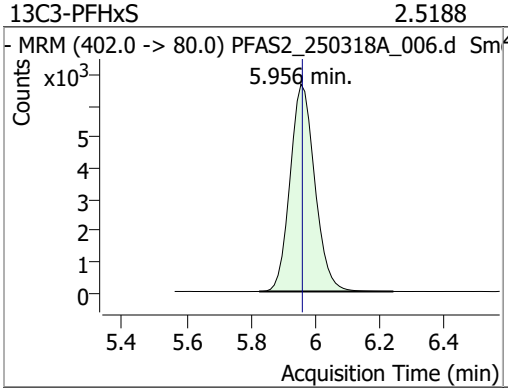
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29823				

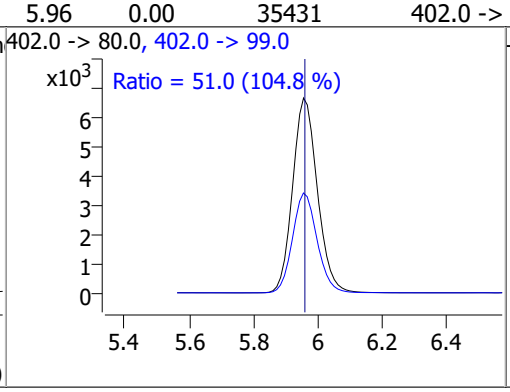


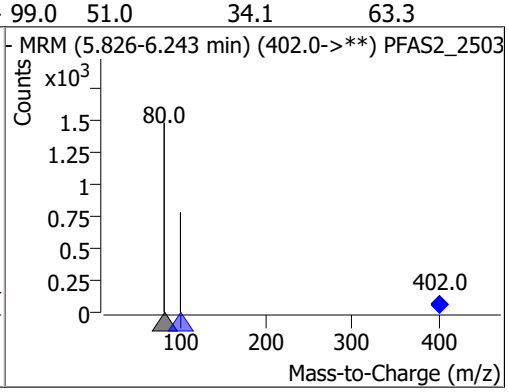




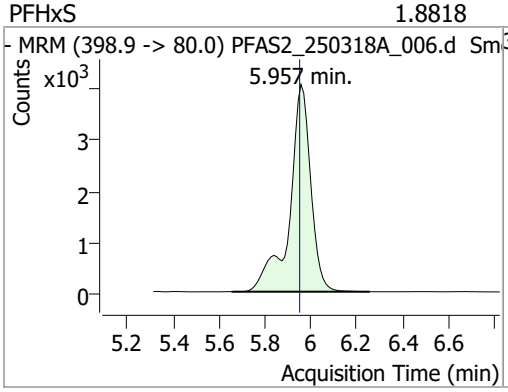
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5188	5.96	0.00	35431	402.0 -> 99.0	51.0	34.1	63.3

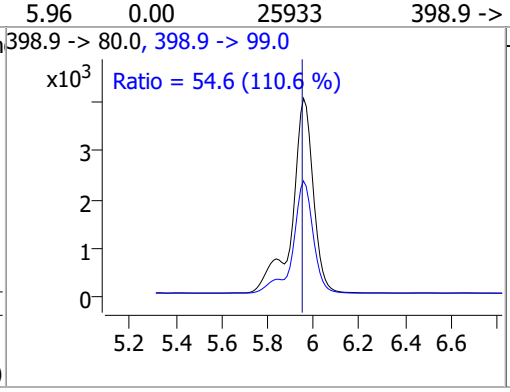


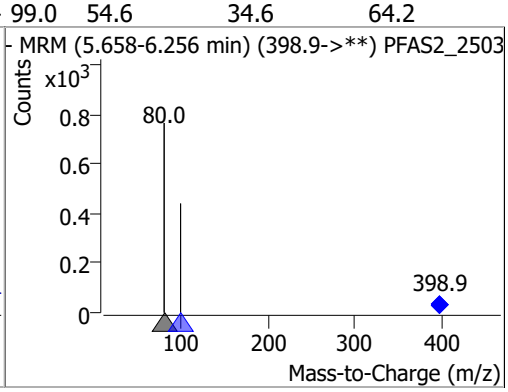




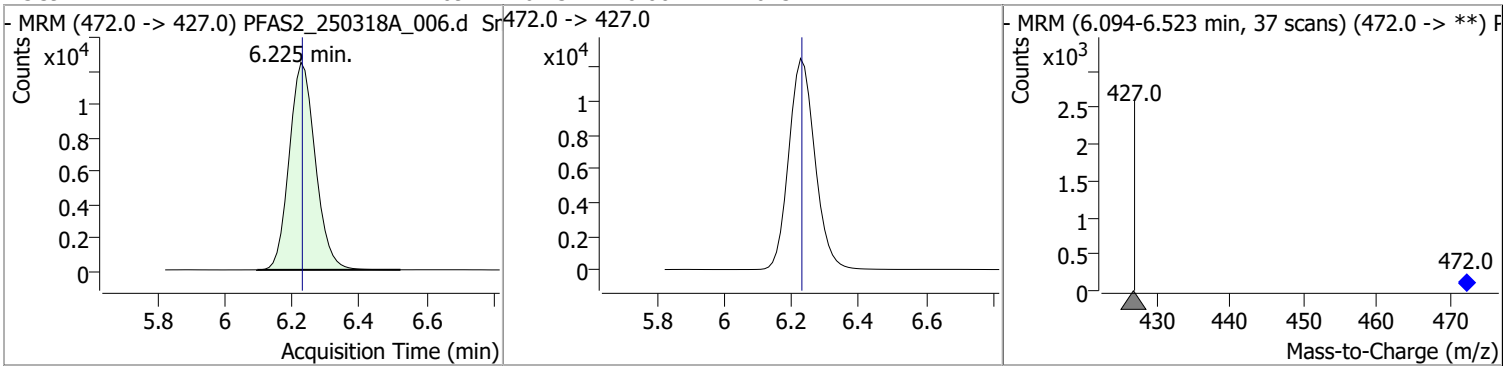
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	1.8818	5.96	0.00	25933	398.9 -> 99.0	54.6	34.6	64.2



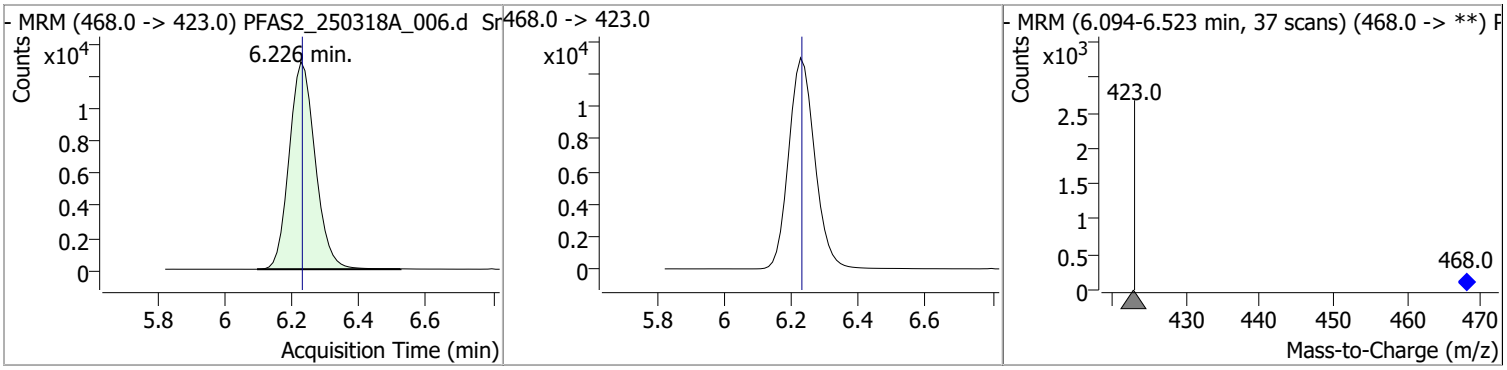




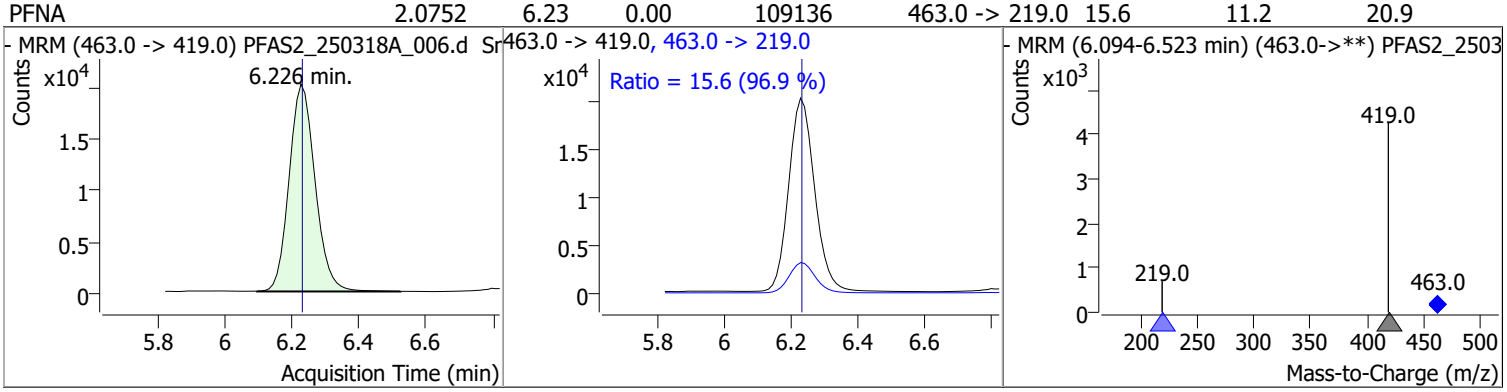
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2209	6.23	0.00	67577				



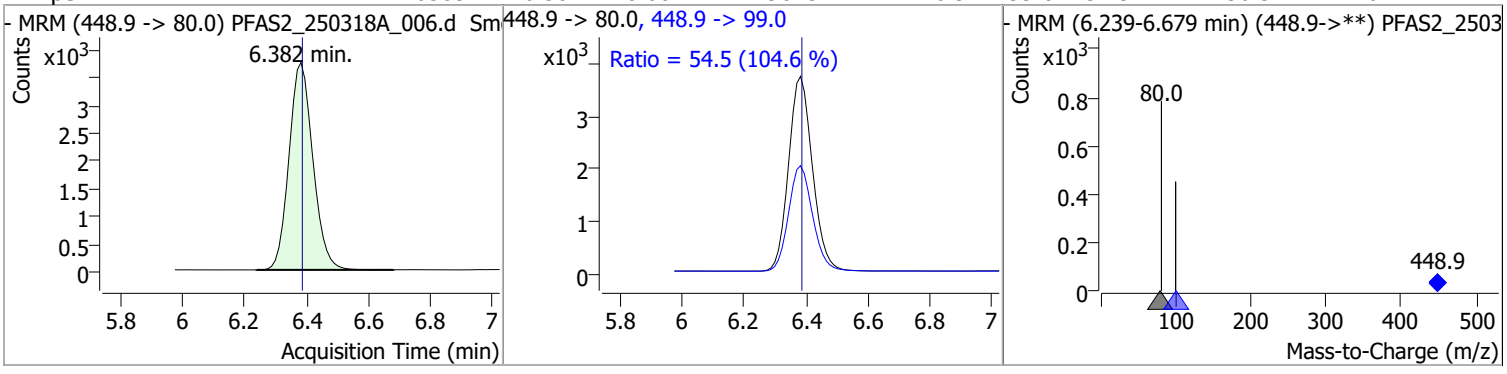
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	69849				



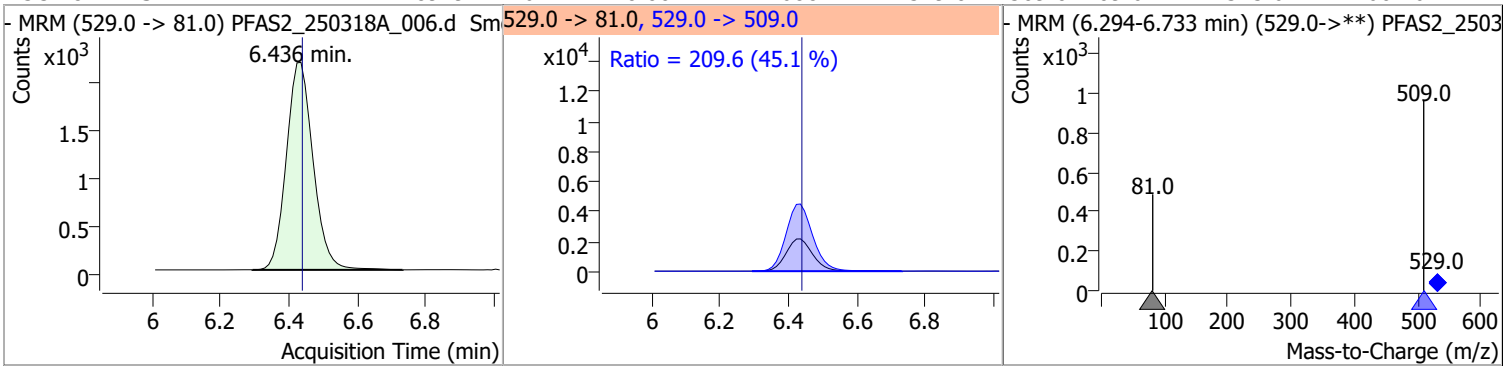
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	2.0752	6.23	0.00	109136	463.0 -> 219.0	15.6	11.2	20.9



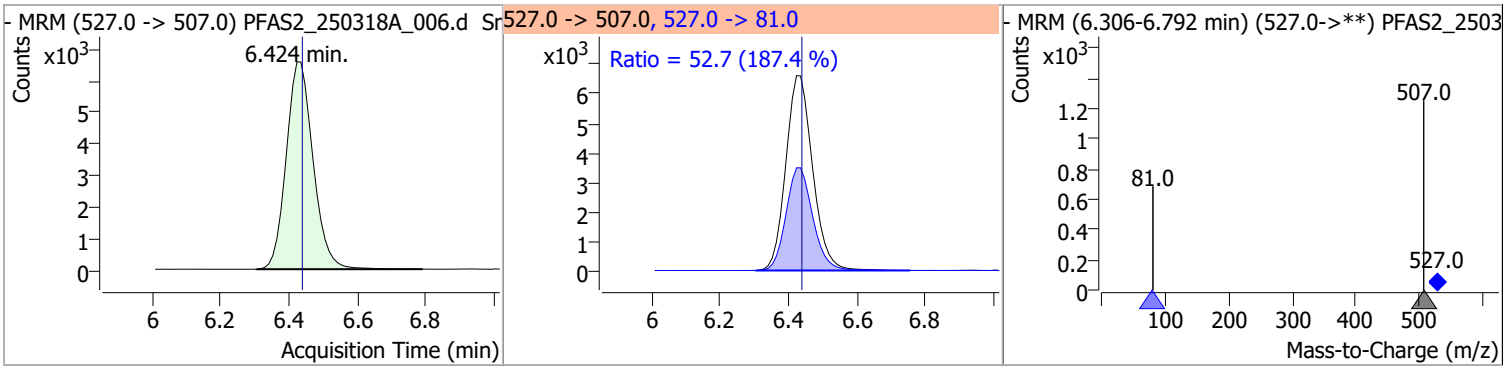
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	1.8385	6.38	0.00	19813	448.9 -> 99.0	54.5	36.5	67.7



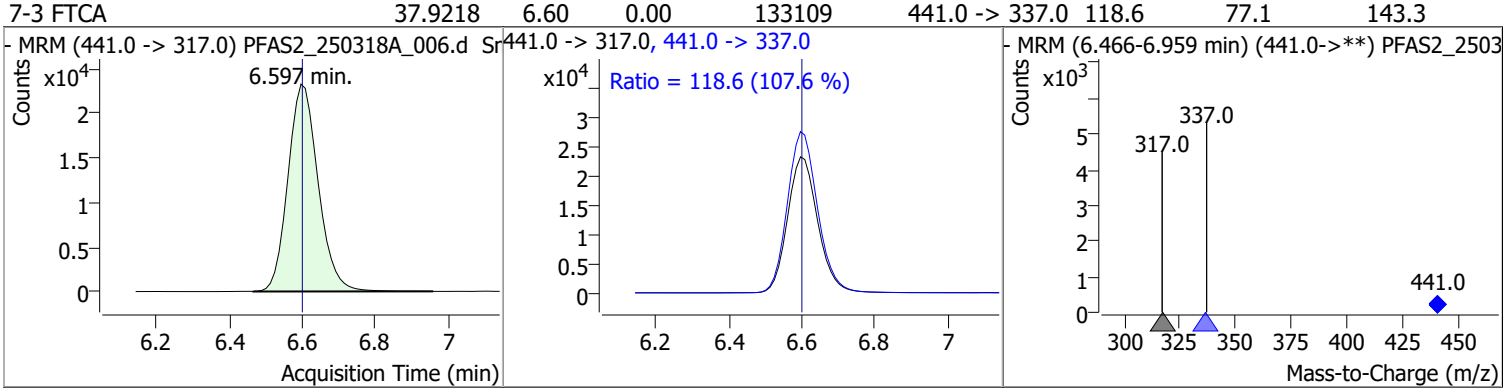
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8949	6.44	0.00	11688	529.0 -> 509.0	209.6	325.6	604.6



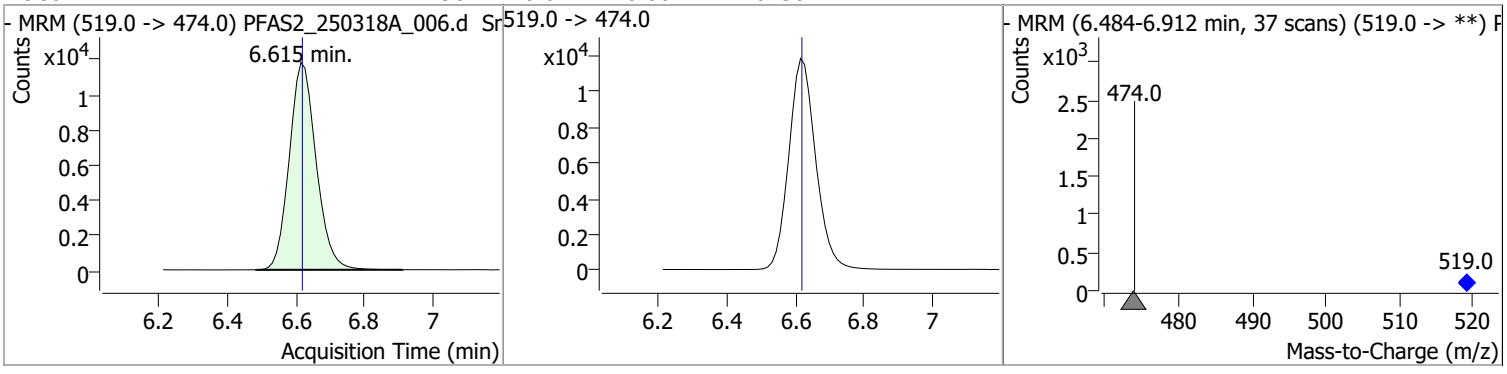
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	6.7935	6.42	-0.01	35662	527.0 -> 81.0	52.7	19.7	36.6



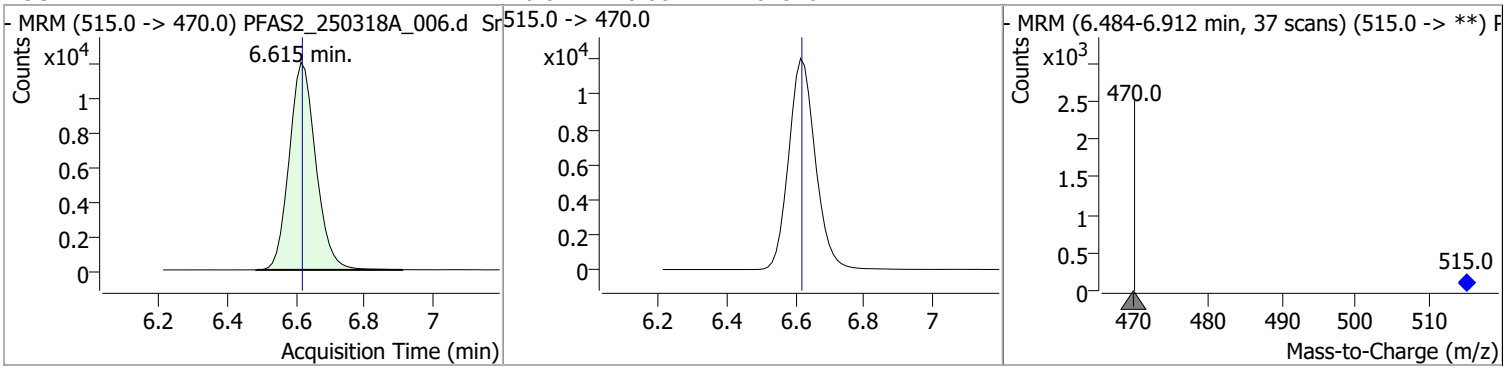
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	37.9218	6.60	0.00	133109	441.0 -> 337.0	118.6	77.1	143.3



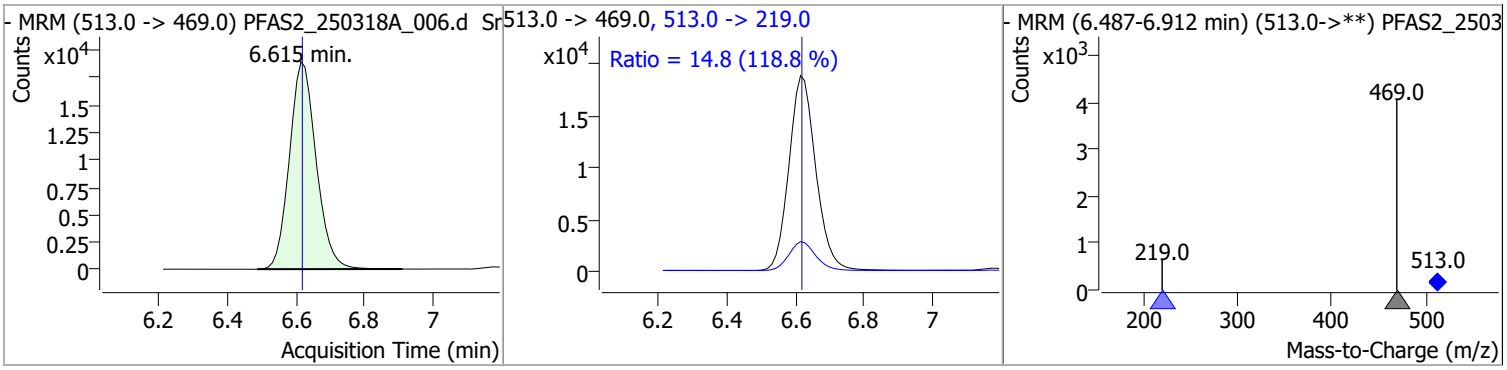
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2190	6.61	0.00	64304				



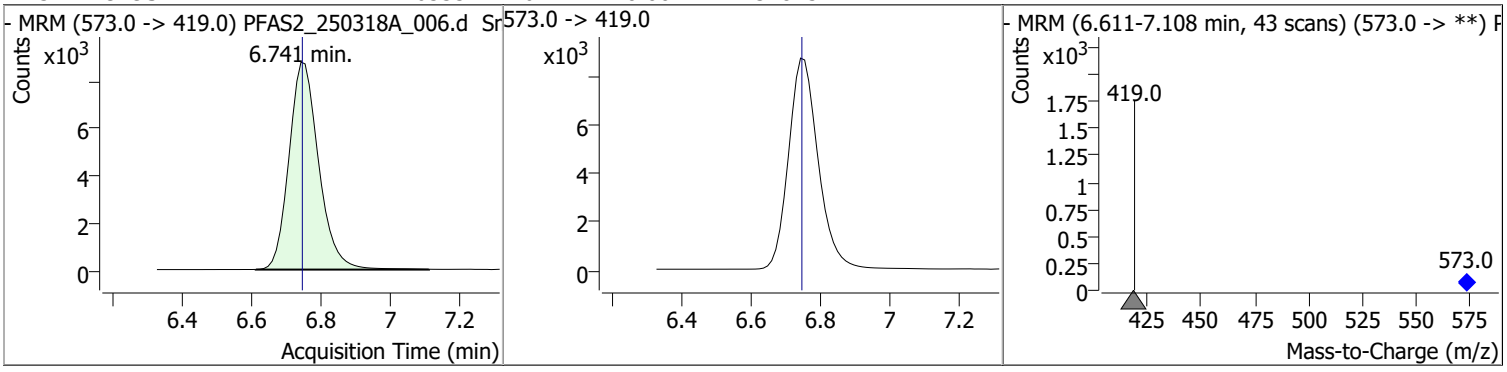
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	64826				



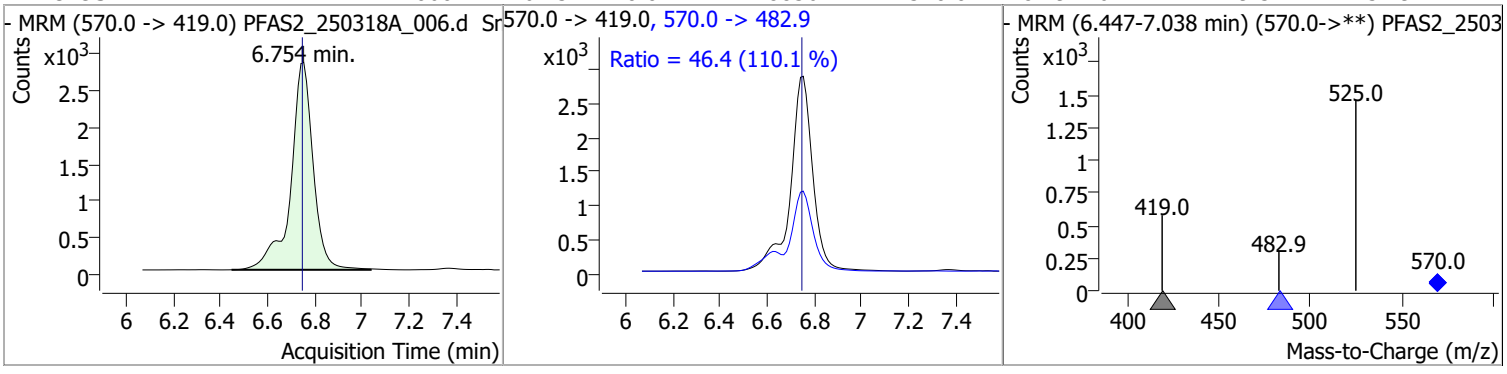
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	2.1669	6.62	0.00	102283	513.0 -> 219.0	14.8	8.7	16.2



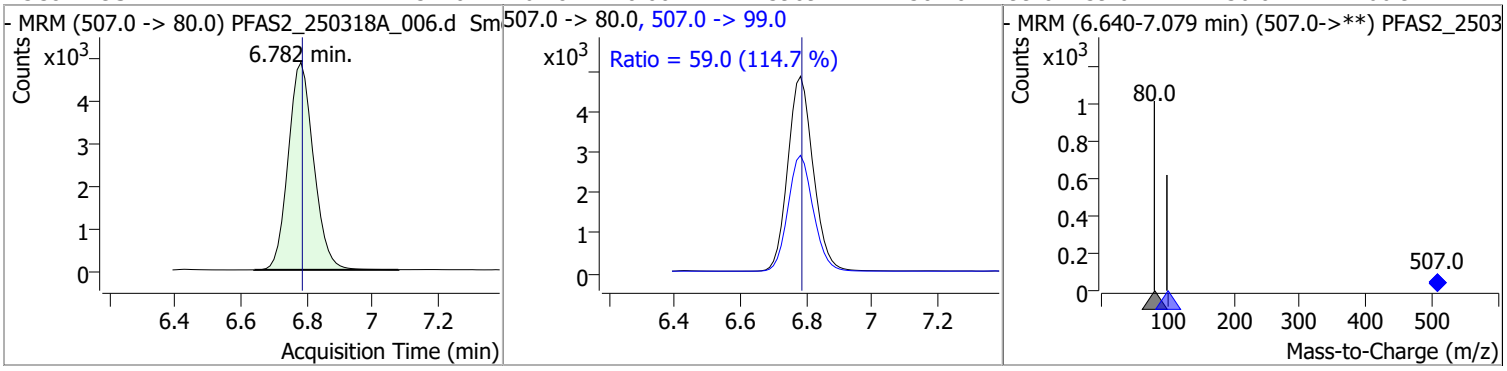
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6535	6.74	0.00	51845				



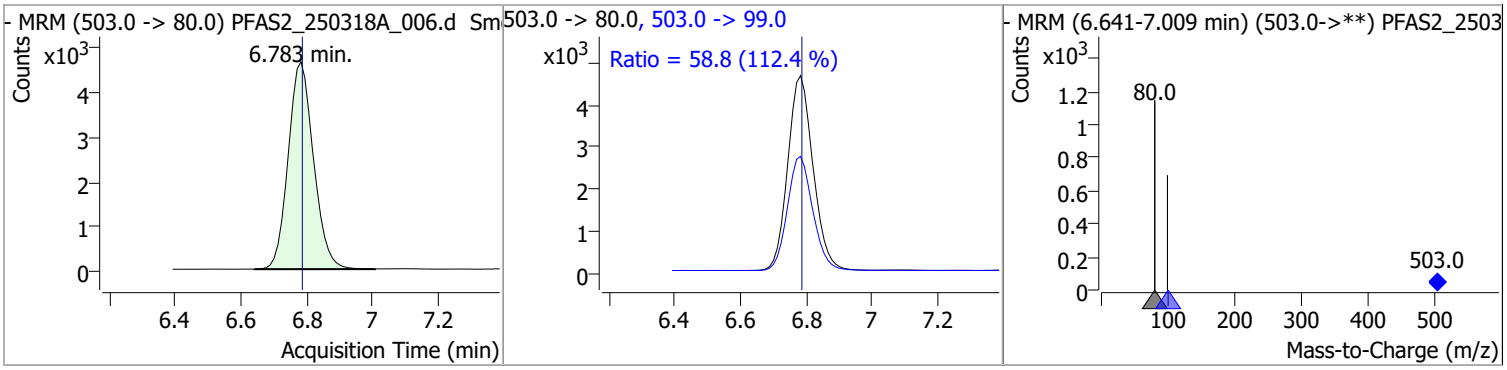
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	2.0604	6.75	0.01	18836	570.0 -> 482.9	46.4	29.5	54.9



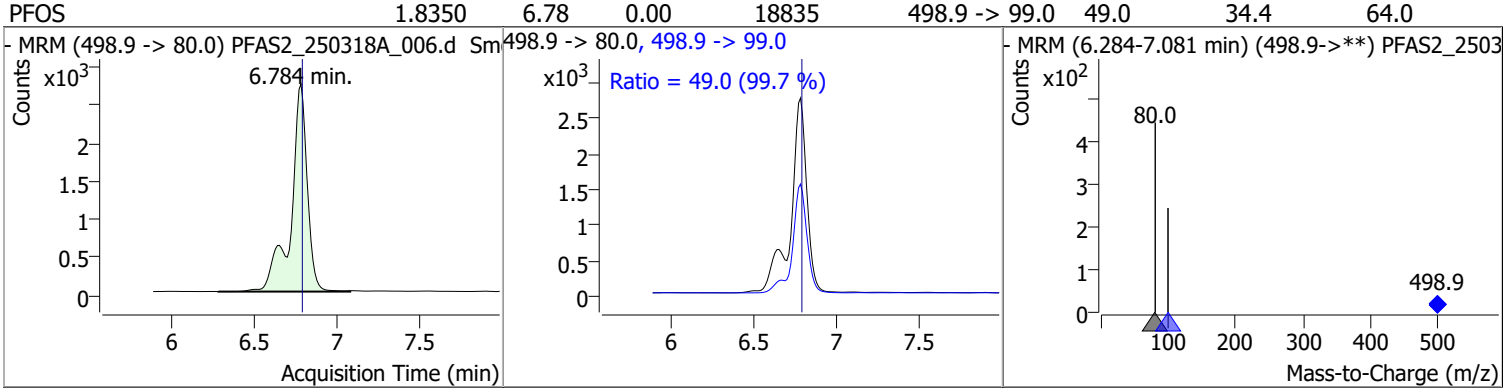
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5710	6.78	0.00	25909	507.0 -> 99.0	59.0	36.0	66.9



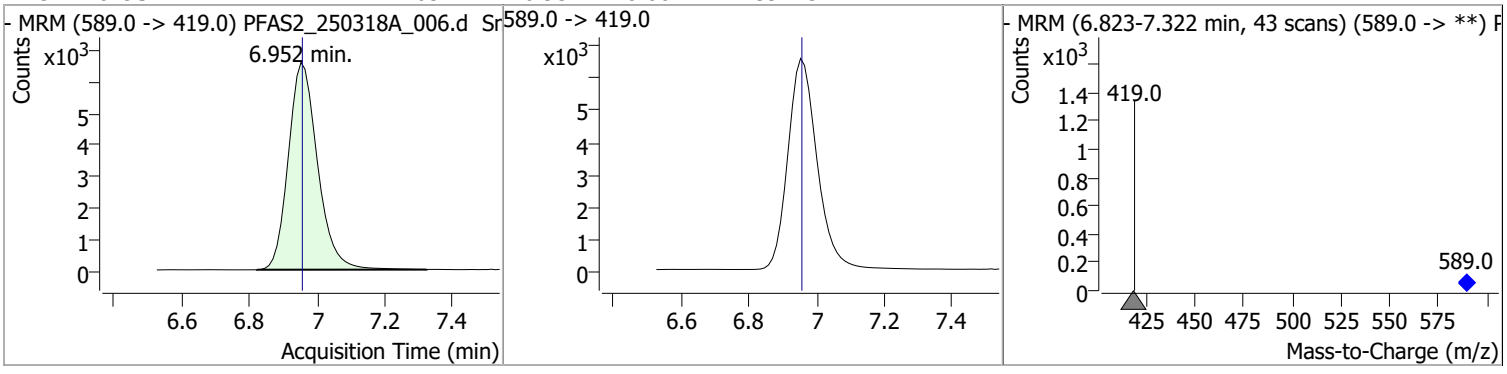
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	24830	503.0 -> 99.0	58.8	36.6	67.9



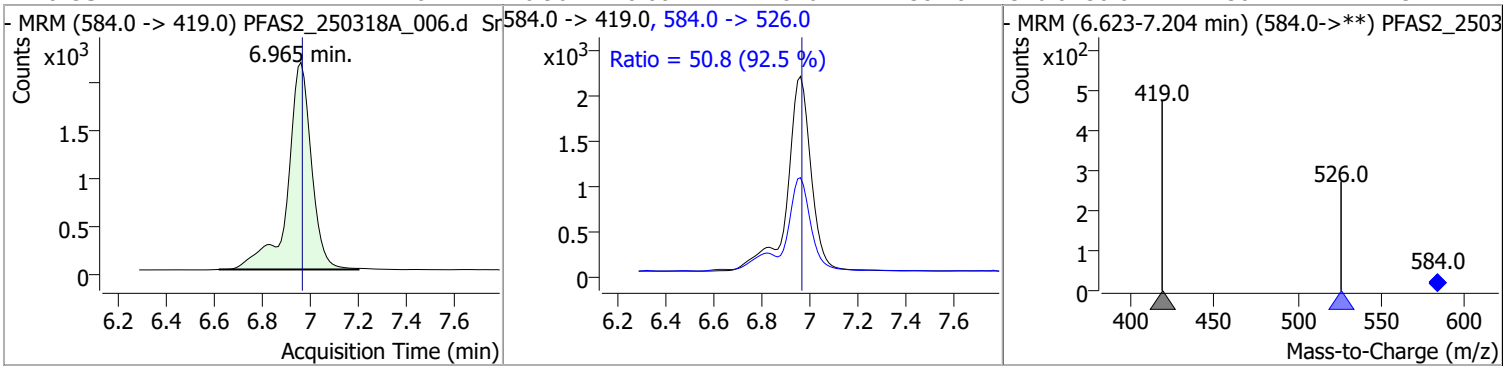
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	1.8350	6.78	0.00	18835	498.9 -> 99.0	49.0	34.4	64.0



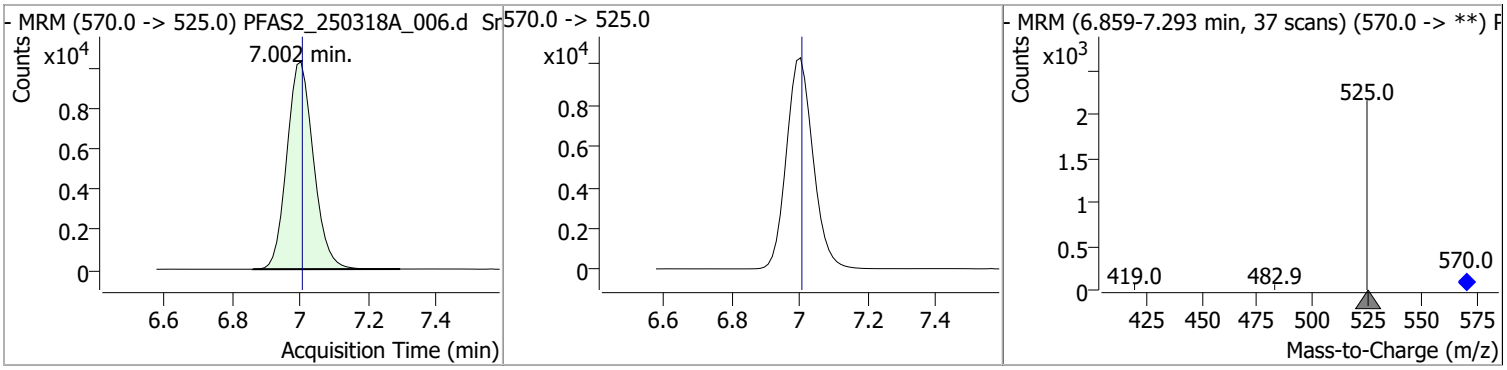
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6572	6.95	0.00	39173				



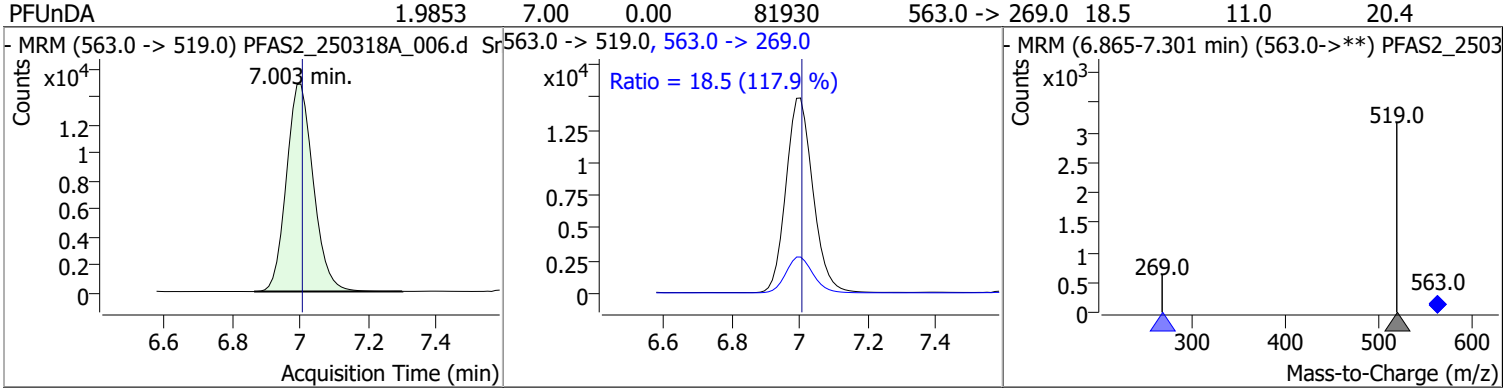
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	2.0177	6.96	0.00	14876	584.0 -> 526.0	50.8	38.4	71.3



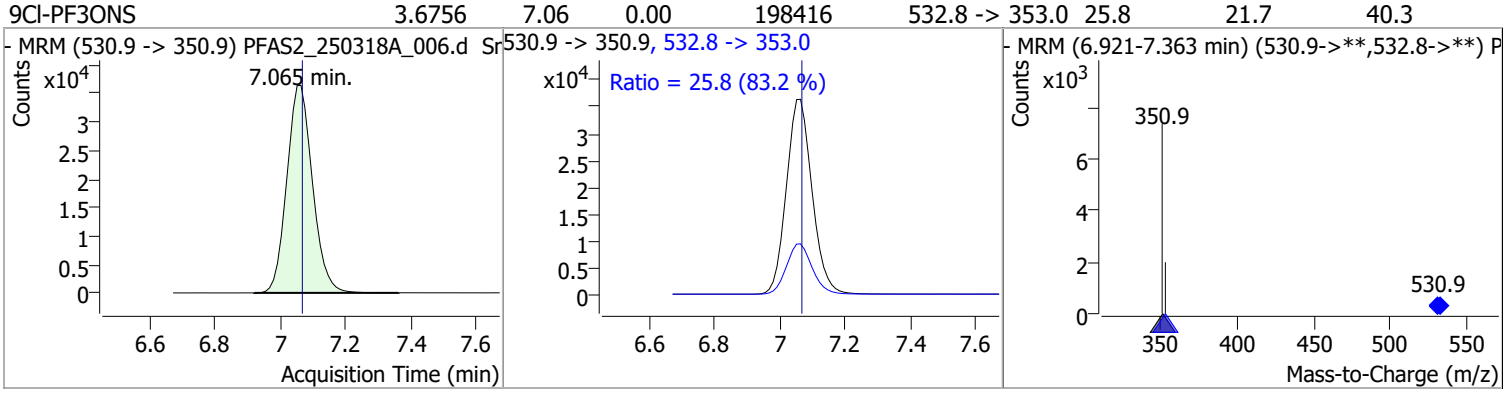
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3416	7.00	0.00	55776				



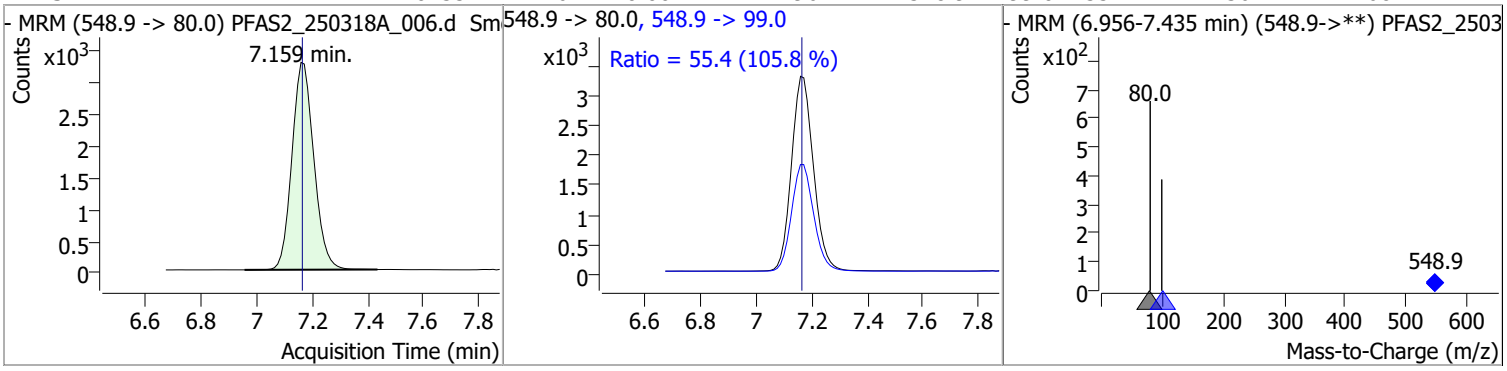
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	1.9853	7.00	0.00	81930	563.0 -> 269.0	18.5	11.0	20.4



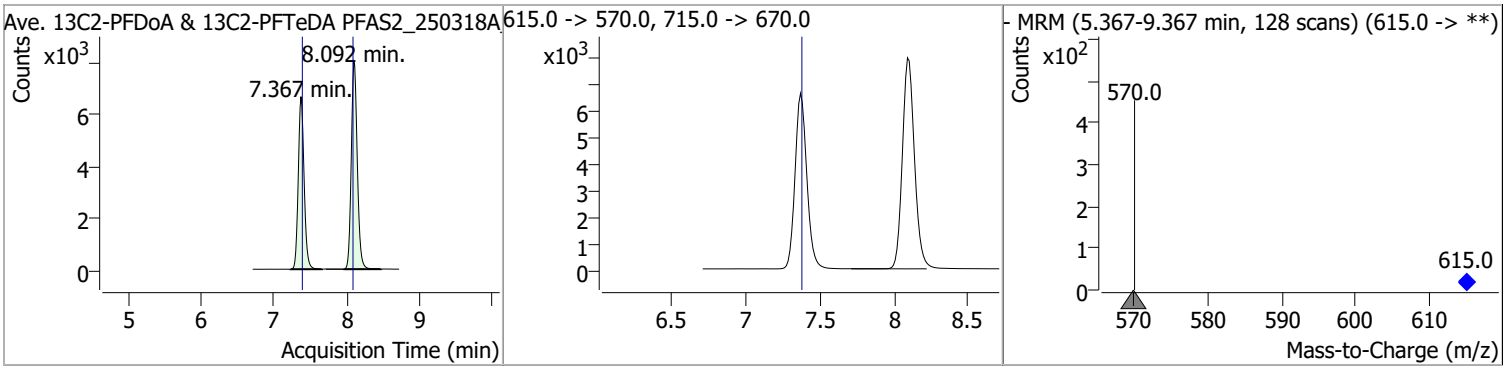
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	3.6756	7.06	0.00	198416	532.8 -> 353.0	25.8	21.7	40.3



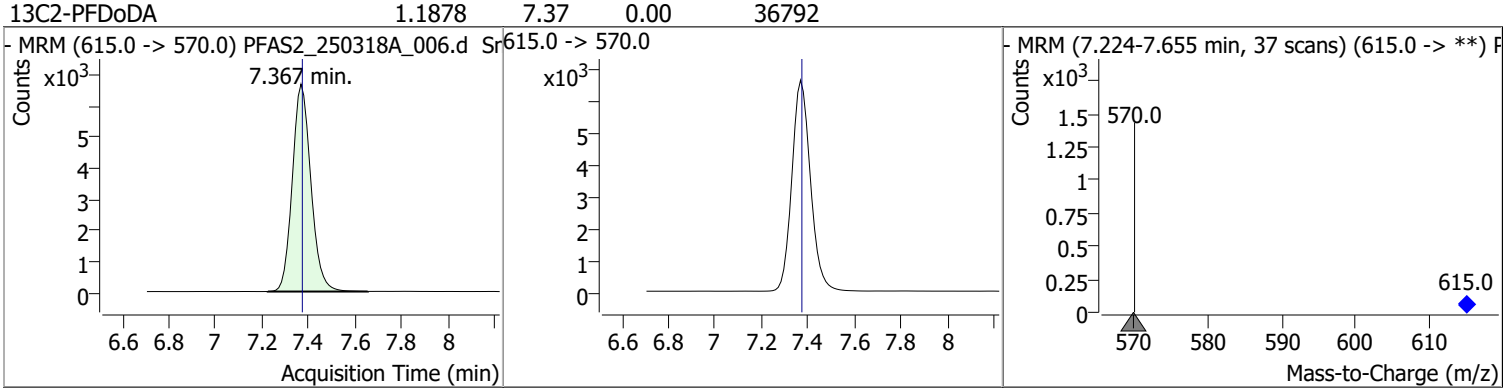
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	2.0135	7.16	0.00	17796	548.9 -> 99.0	55.4	36.7	68.1



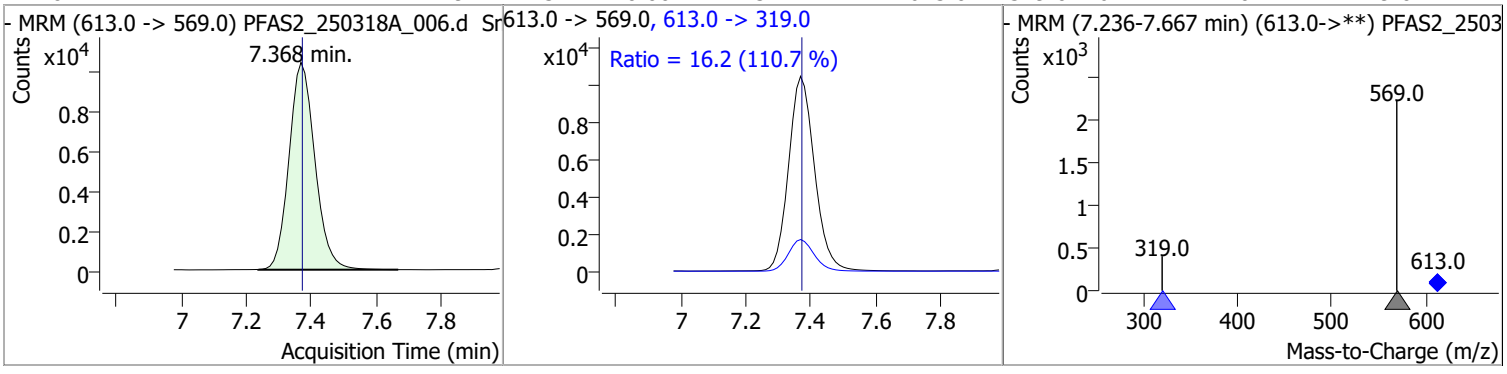
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2033	7.73	0.36	41232				



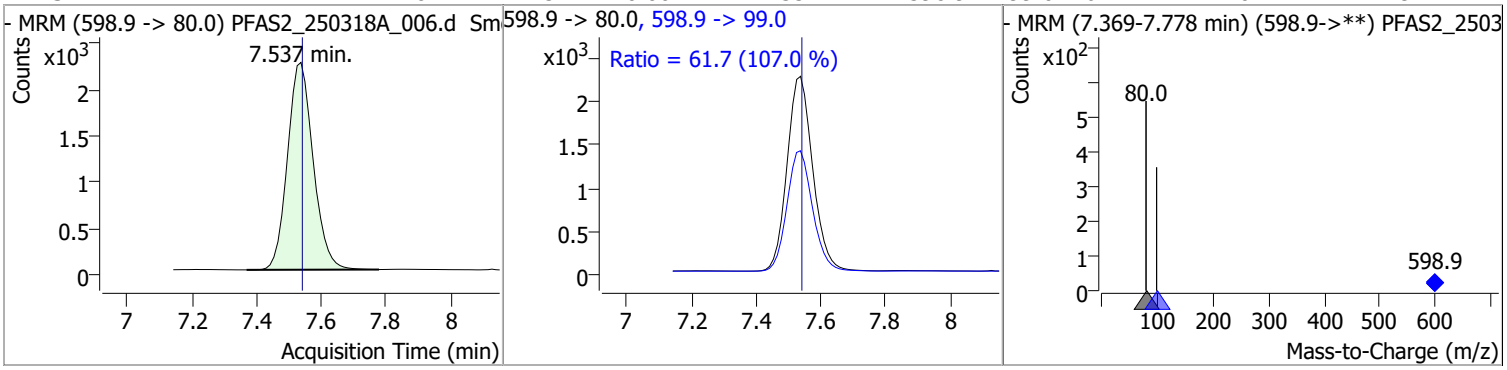
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1878	7.37	0.00	36792				



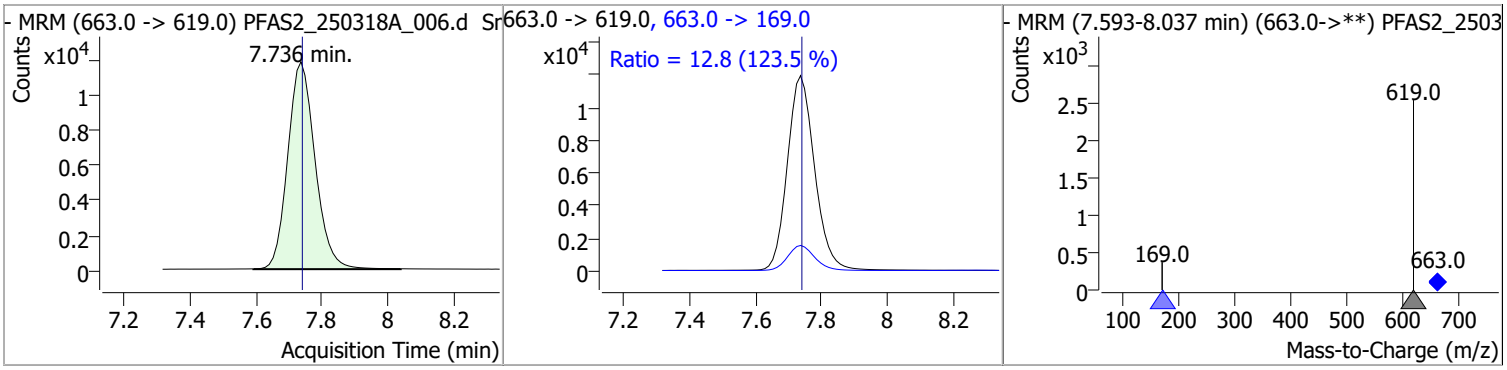
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	2.1419	7.37	0.00	57771	613.0 -> 319.0	16.2	10.2	19.0



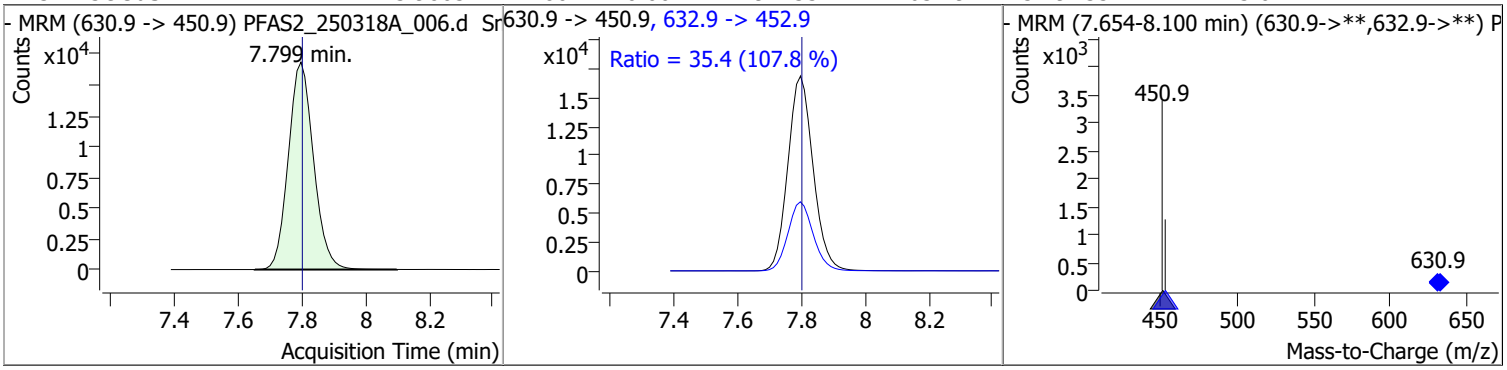
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.8712	7.54	0.00	12357	598.9 -> 99.0	61.7	40.4	74.9



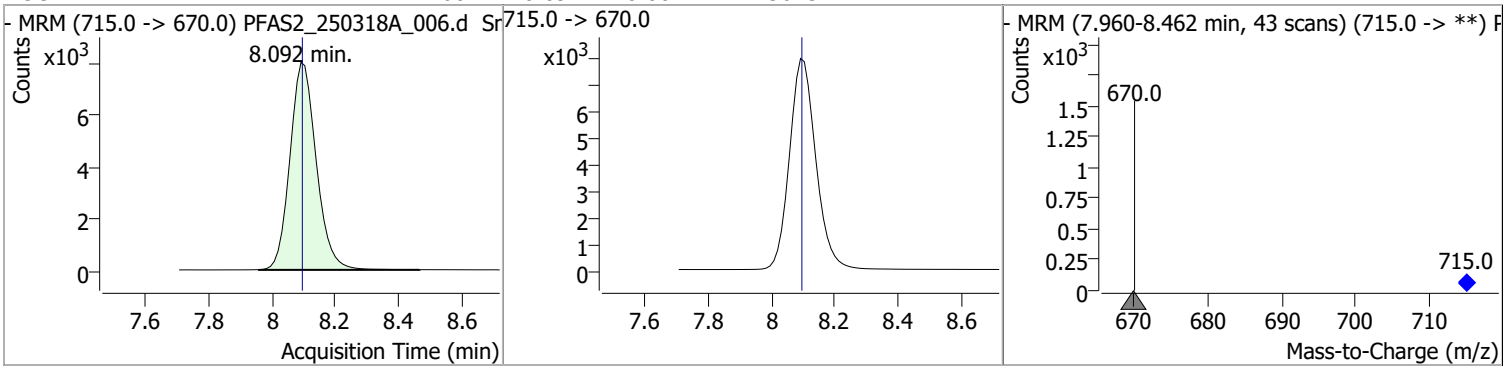
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	2.1896	7.74	0.00	68026	663.0 -> 169.0	12.8	7.2	13.4



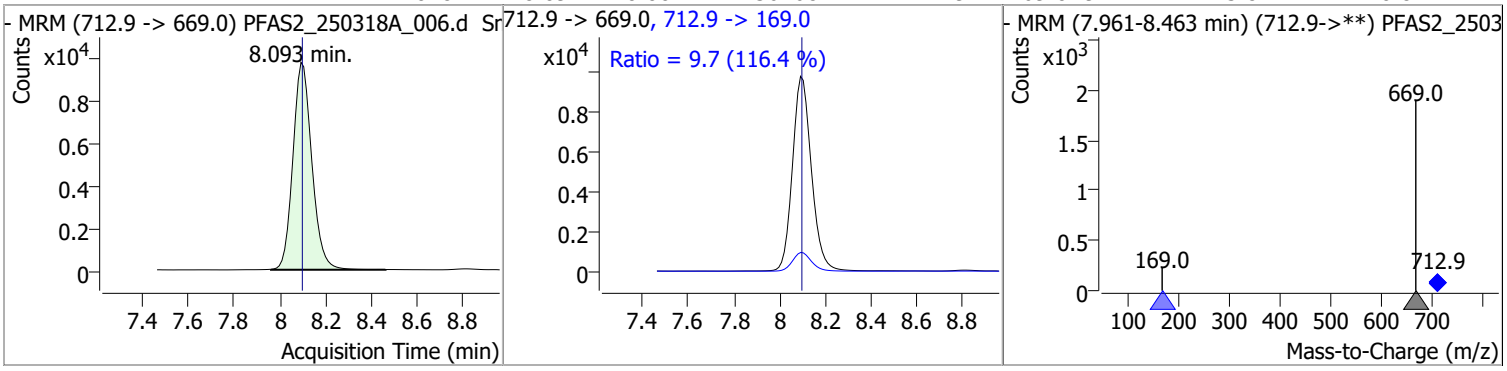
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	3.9803	7.80	0.00	91733	632.9 -> 452.9	35.4	23.0	42.7



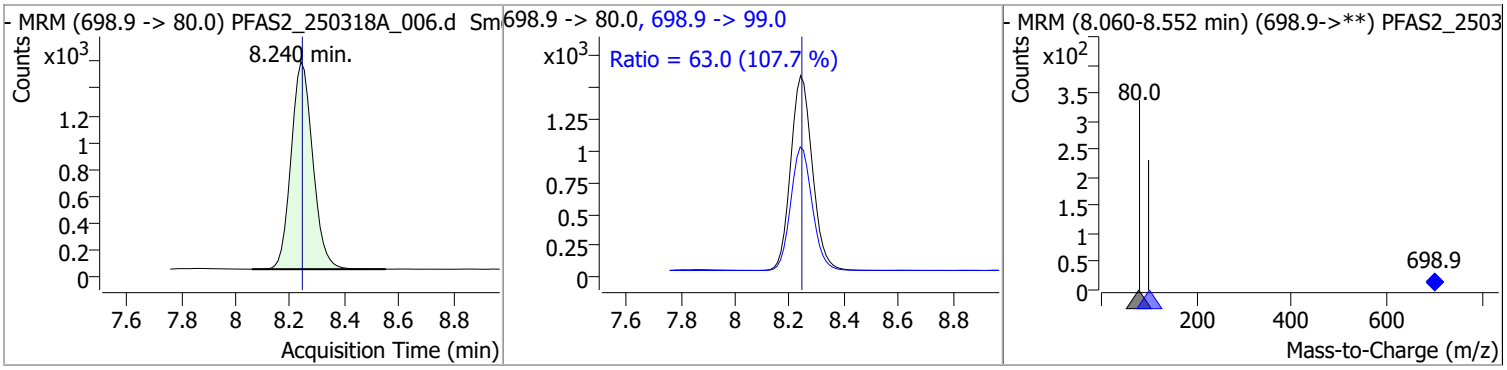
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2160	8.09	0.00	45673				



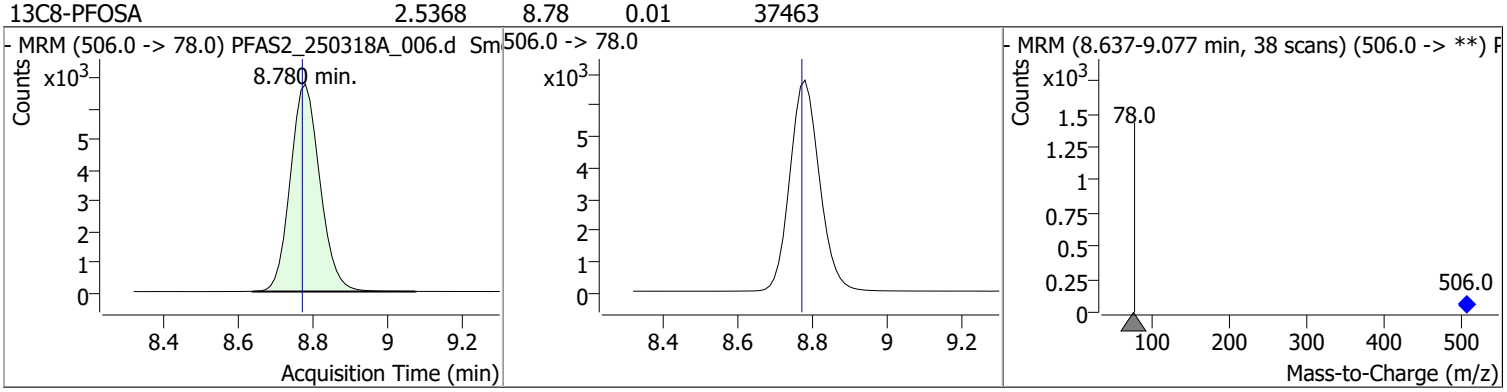
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	2.0181	8.09	0.00	56268	712.9 -> 169.0	9.7	5.8	10.8



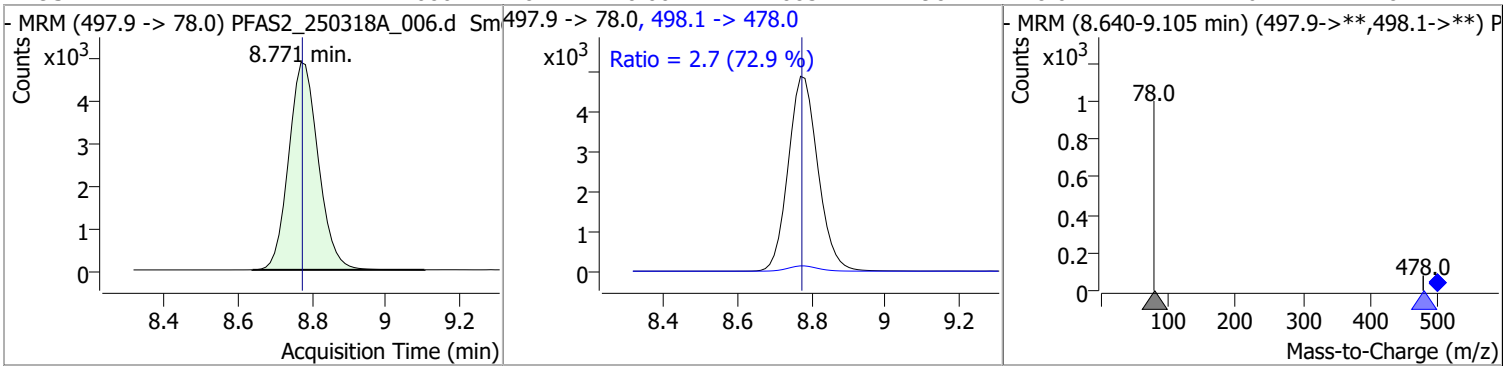
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	1.8466	8.24	0.00	8527	698.9 -> 99.0	63.0	41.0	76.1



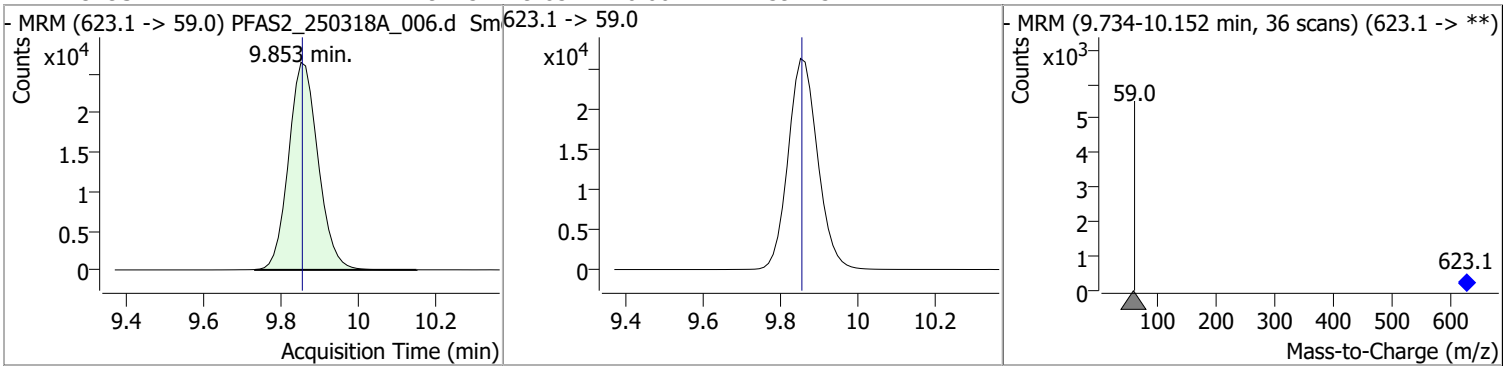
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5368	8.78	0.01	37463				



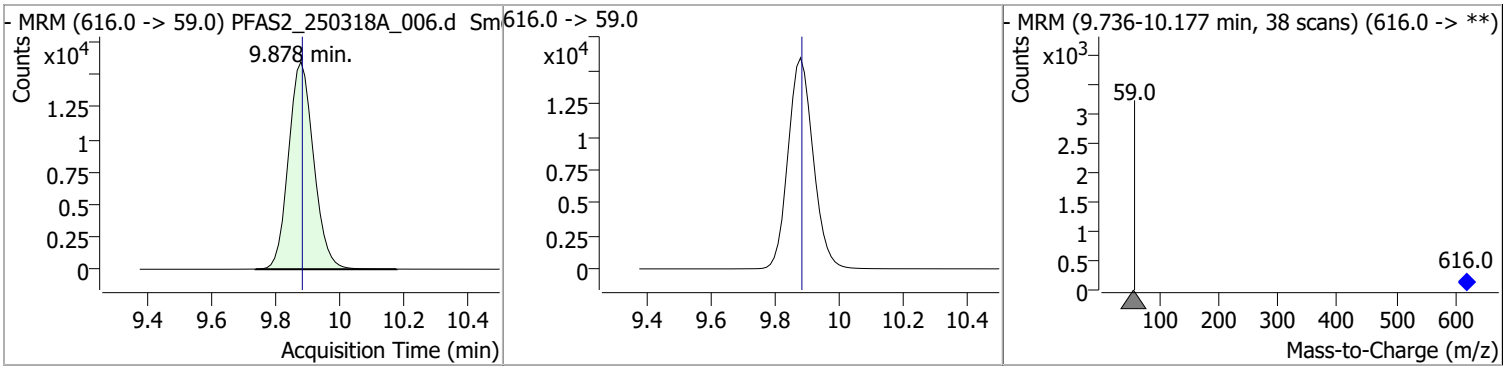
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	2.0801	8.77	0.00	27083	498.1 -> 478.0	2.7	2.6	4.8



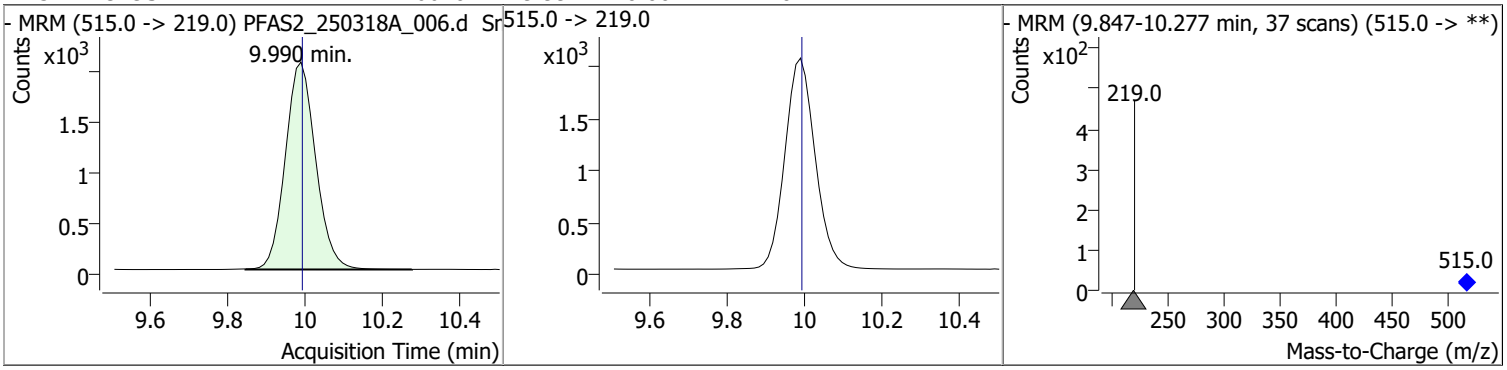
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	27.9215	9.85	0.00	139775				



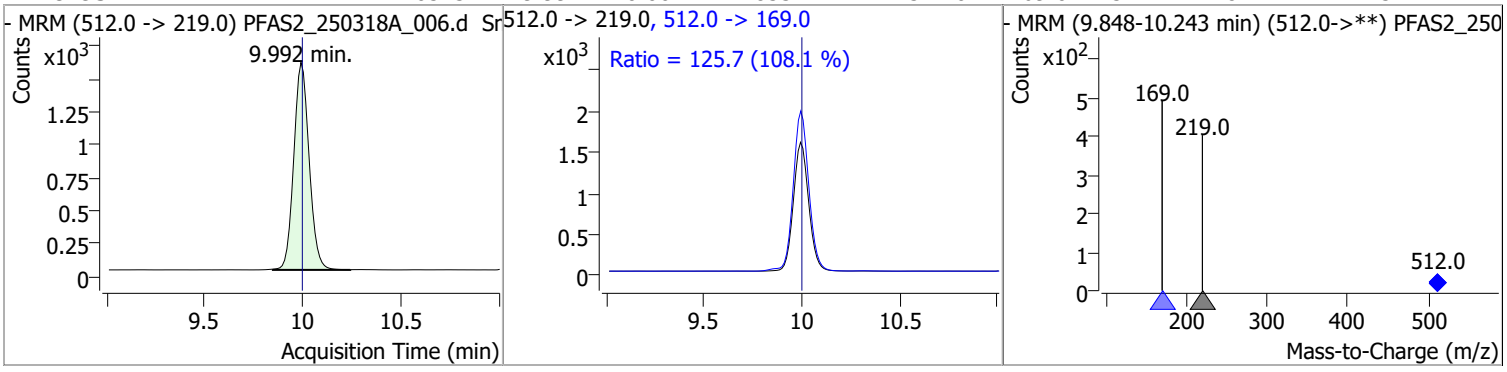
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	20.5491	9.88	0.00	86552				



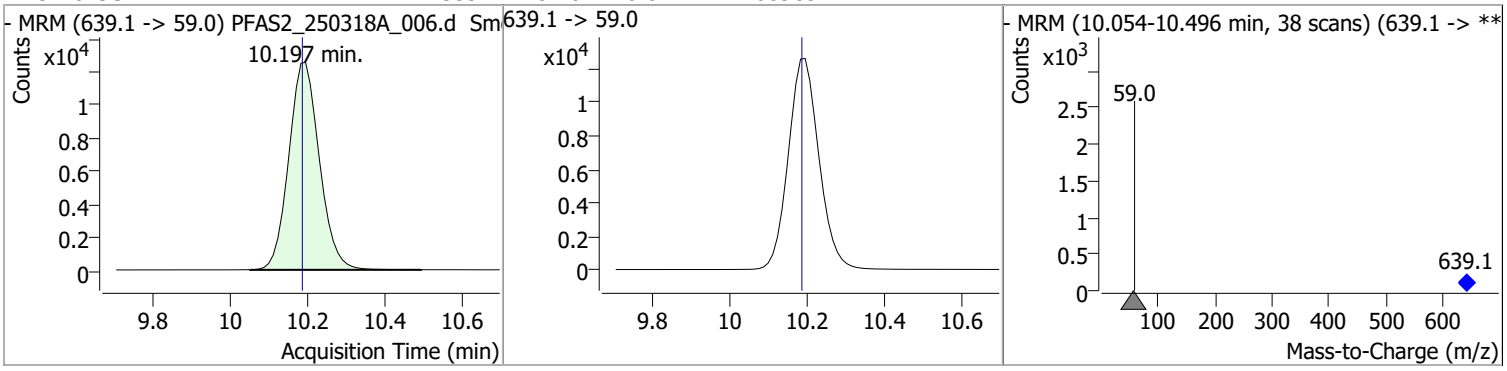
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6640	9.99	0.00	11041				



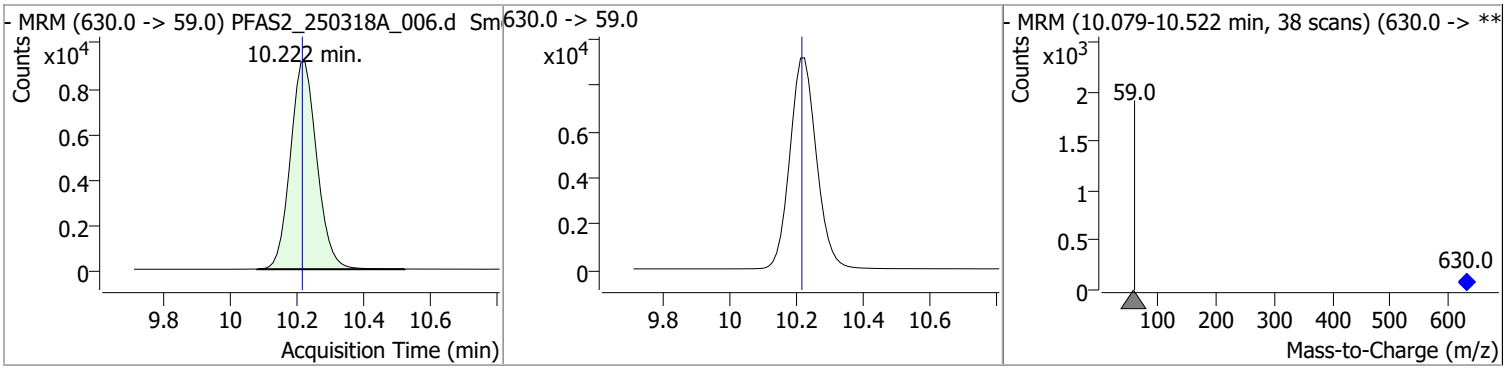
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	2.0543	9.99	0.00	8531	512.0 -> 169.0	125.7	81.4	151.2



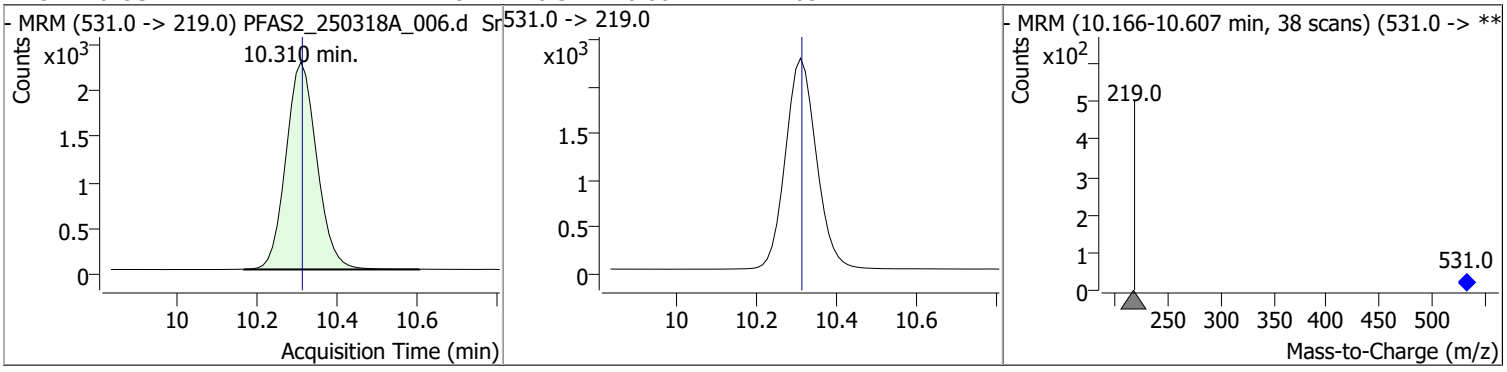
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	27.2339	10.20	0.01	68989				



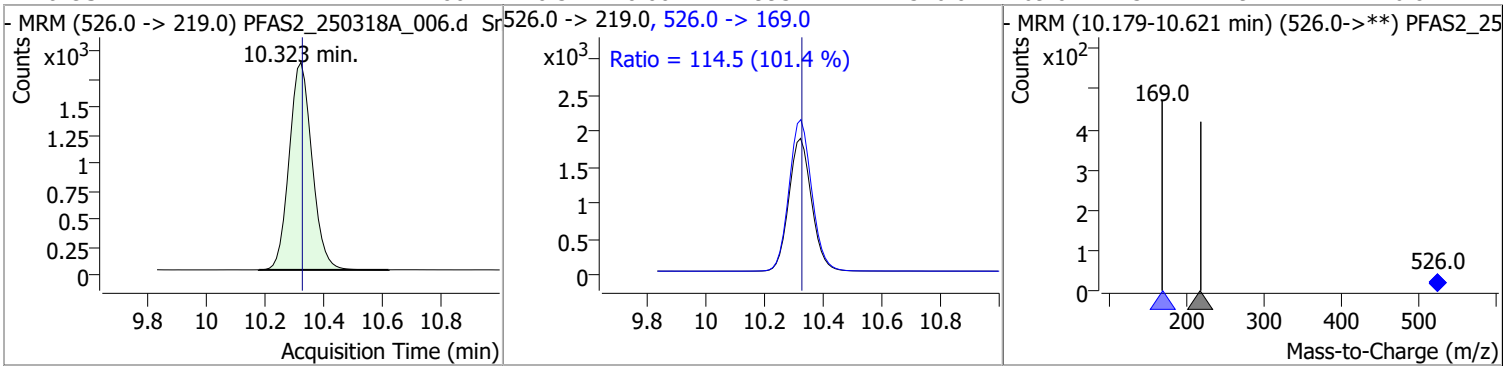
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	20.5115	10.22	0.01	50683				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7143	10.31	0.00	12163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	2.1180	10.32	0.00	9937	526.0 -> 169.0	114.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_007.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:24:11 PM
Sample Name	SEQ-CAL5	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

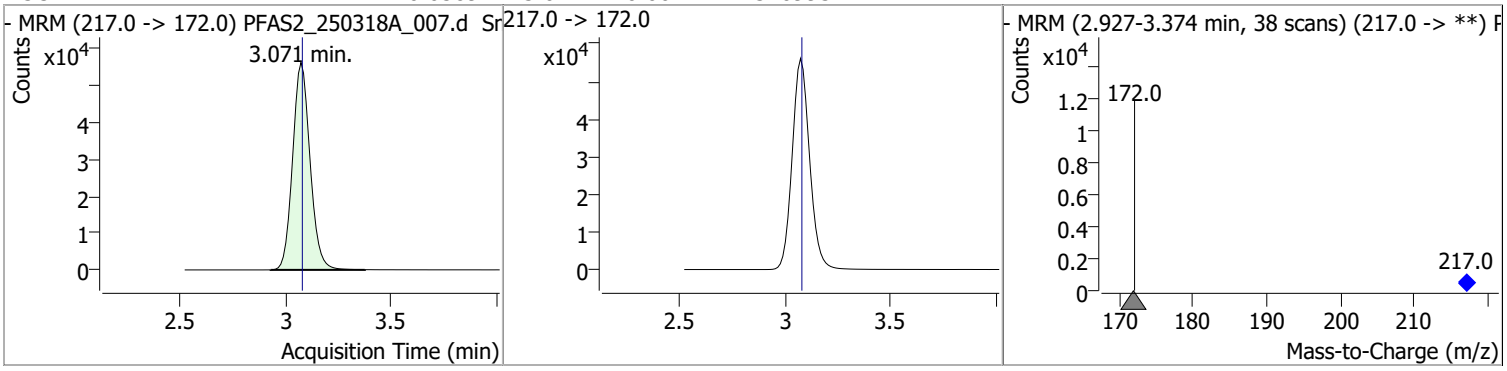
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	140427	5.0000	µg/L		2.619
13C2-PFHxA	4.890	315.0 -> 270.0	150383	2.5000	µg/L		-1.983
18O2-PFHxS	5.955	403.0 -> 84.0	30419	2.5000	µg/L		2.663
13C4-PFOA	5.823	417.0 -> 172.0	15659	2.5000	µg/L		1.364
13C5-PFNA	6.226	468.0 -> 423.0	74553	1.2500	µg/L		4.750
13C2-PFDA	6.615	515.0 -> 470.0	66093	1.2500	µg/L		-1.172
13C4-PFOS	6.783	503.0 -> 80.0	25915	2.5000	µg/L		4.038
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	320993	10.0000	µg/L		3.269
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.59%			
13C5-PFPeA	4.222	268.0 -> 223.0	215968	5.0000	µg/L		4.374
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	215968	5.0000	µg/L		4.374
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26618	5.0000	µg/L		5.356
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.04%			
13C5-PFHxA	4.889	318.0 -> 273.0	174059	2.5000	µg/L		3.088
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.15%			
13C5-PFHxA	4.889	318.0 -> 273.0	174059	2.5000	µg/L		3.088
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.15%			
13C3-PFBS	4.929	302.0 -> 80.0	64072	2.5000	µg/L		5.515
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.89%			
13C3-PFBS	4.929	302.0 -> 80.0	64072	2.5000	µg/L		5.515
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.89%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	172129	10.0000	µg/L		-1.511
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.48%			
13C4-PFHpA	5.397	367.0 -> 322.0	190603	2.5000	µg/L		0.909
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.98%			
13C3-PFHxS	5.956	402.0 -> 80.0	36536	2.5000	µg/L		4.542
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.86%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14640	5.0000	µg/L		-0.868
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.67%			
13C8-PFOA	5.823	421.0 -> 376.0	176652	2.5000	µg/L		2.265
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.91%			
13C3-PFHxS	5.956	402.0 -> 80.0	36536	2.5000	µg/L		4.542
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.86%			
13C9-PFNA	6.225	472.0 -> 427.0	72195	1.2500	µg/L		2.457
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.77%			
13C8-PFOS	6.782	507.0 -> 80.0	26373	2.5000	µg/L		4.310
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.30%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11842	5.0000	µg/L	#	-0.029
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.25%			
13C6-PFDA	6.615	519.0 -> 474.0	69928	1.2500	µg/L		2.895
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.02%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	56235	5.0000	µg/L		0.746

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.72%		
13C8-PFOS	6.782	507.0 -> 80.0	26373	2.5000	µg/L	4.310
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.30%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	43792	5.0000	µg/L	3.849
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.77%		
13C7-PFUnDA	6.990	570.0 -> 525.0	57030	1.2500	µg/L	6.393
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.64%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	45837	1.2500	µg/L	3.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.96%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42591	1.2500	µg/L	6.624
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.90%		
13C2-PFTDA	8.092	715.0 -> 670.0	49082	1.2500	µg/L	1.651
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.54%		
13C8-PFOSA	8.768	506.0 -> 78.0	37243	2.5000	µg/L	0.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.66%		
2H7-MeFOSE	9.853	623.1 -> 59.0	128003	25.0000	µg/L	1.877
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.00%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10532	2.5000	µg/L	1.571
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.40%		
2H9-EtFOSE	10.185	639.1 -> 59.0	64073	25.0000	µg/L	0.888
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.94%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10830	2.5000	µg/L	-3.646
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.62%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	549041	19.5622	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.81%		
PFMPA	3.614	229.0 -> 85.0	195978	9.4478	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.48%		
3-3 FTCA	3.778	241.0 -> 177.0	14272	19.6480	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.24%		
PFPeA	4.223	263.0 -> 219.0	391260	9.8003	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.00%		
PFMBA	4.453	279.0 -> 85.0	284292	9.3955	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 93.96%		
4-2 FTSA	4.698	327.0 -> 307.0	307663	19.0181	µg/L	98
Spiked Amount: 18.750	Range: 70 - 130%			Recovery = 101.43%		
NFDHA	4.823	295.0 -> 201.0	13035	10.1822	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.82%		
PFHxA	4.892	313.0 -> 269.0	307241	4.9329	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.66%		
PFBS	4.918	298.9 -> 80.0	118353	4.4517	µg/L	92
Spiked Amount: 4.435	Range: 70 - 130%			Recovery = 100.38%		
HFPO-DA	5.087	285.0 -> 169.0	166380	10.8948	µg/L	91
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 108.95%		
PFEESA	5.201	314.9 -> 135.0	765854	8.7814	µg/L	98
Spiked Amount: 8.900	Range: 70 - 130%			Recovery = 98.67%		
PFHpA	5.398	363.0 -> 319.0	366430	4.9872	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.74%		
5-3 FTCA	5.447	341.0 -> 237.0	486026	99.9361	µg/L	92
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.94%		
PFPeS	5.494	348.9 -> 80.0	96920	4.9130	µg/L	92
Spiked Amount: 4.705	Range: 70 - 130%			Recovery = 104.42%		
DONA	5.551	377.0 -> 251.0	965387	9.5462	µg/L	99
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 101.02%		

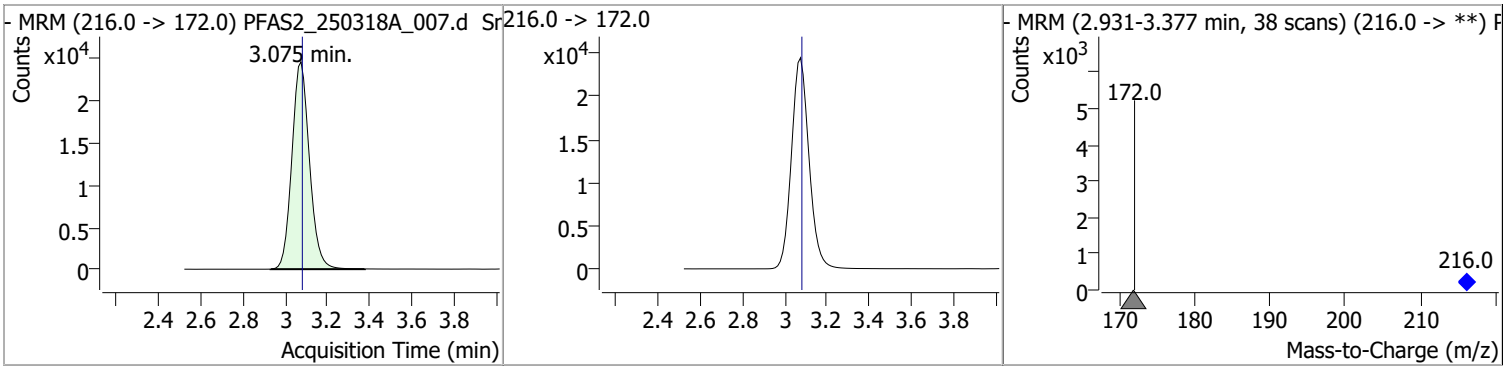
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	202859	19.9173	µg/L		92
Spiked Amount: 19.000	Range: 70 - 130%			Recovery = 104.83%			
PFOA	5.824	413.0 -> 369.0	343405	4.9365	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.73%			
PFHxS	5.957	398.9 -> 80.0	63058	4.4373	µg/L		90
Spiked Amount: 4.570	Range: 70 - 130%			Recovery = 97.10%			
PFNA	6.226	463.0 -> 419.0	278737	4.9517	µg/L		99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.03%			
PFHpS	6.382	448.9 -> 80.0	51580	4.7021	µg/L		93
Spiked Amount: 4.765	Range: 70 - 130%			Recovery = 98.68%			
8-2 FTSA	6.424	527.0 -> 507.0	106618	20.1334	µg/L	#	75
Spiked Amount: 19.200	Range: 70 - 130%			Recovery = 104.86%			
7-3 FTCA	6.597	441.0 -> 317.0	384780	103.9764	µg/L		97
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.98%			
PFDA	6.615	513.0 -> 469.0	266196	5.1727	µg/L		93
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.45%			
N-MeFOSAA	6.742	570.0 -> 419.0	49990	5.0303	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.61%			
PFOS	6.772	498.9 -> 80.0	47470	4.4973	µg/L		98
Spiked Amount: 4.640	Range: 70 - 130%			Recovery = 96.92%			
N-EtFOSAA	6.953	584.0 -> 419.0	39550	4.7833	µg/L		93
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.67%			
PFUnDA	6.991	563.0 -> 519.0	207816	4.9053	µg/L		92
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.11%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	541591	10.1201	µg/L		91
Spiked Amount: 9.350	Range: 70 - 130%			Recovery = 108.24%			
PFNS	7.159	548.9 -> 80.0	45050	5.0074	µg/L		90
Spiked Amount: 4.810	Range: 70 - 130%			Recovery = 104.10%			
PFDoDA	7.368	613.0 -> 569.0	162837	5.2153	µg/L		96
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.31%			
PFDS	7.525	598.9 -> 80.0	34926	5.1957	µg/L		91
Spiked Amount: 4.825	Range: 70 - 130%			Recovery = 107.68%			
PFTrDA	7.736	663.0 -> 619.0	183776	5.3212	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.42%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	267854	11.7482	µg/L		97
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 124.32%			
PFTDA	8.093	712.9 -> 669.0	156424	5.2114	µg/L		98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.23%			
PFDoS	8.240	698.9 -> 80.0	24123	5.1320	µg/L		97
Spiked Amount: 4.850	Range: 70 - 130%			Recovery = 105.81%			
PFOSA	8.771	497.9 -> 78.0	64133	4.9548	µg/L		98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.10%			
MeFOSE	9.878	616.0 -> 59.0	198819	51.7249	µg/L		100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.45%			
N-MeFOSA	9.992	512.0 -> 219.0	20226	5.1059	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.12%			
EtFOSE	10.210	630.0 -> 59.0	113355	49.5561	µg/L		100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.11%			
N-EtFOSA	10.323	526.0 -> 219.0	21571	5.1637	µg/L		99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.27%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

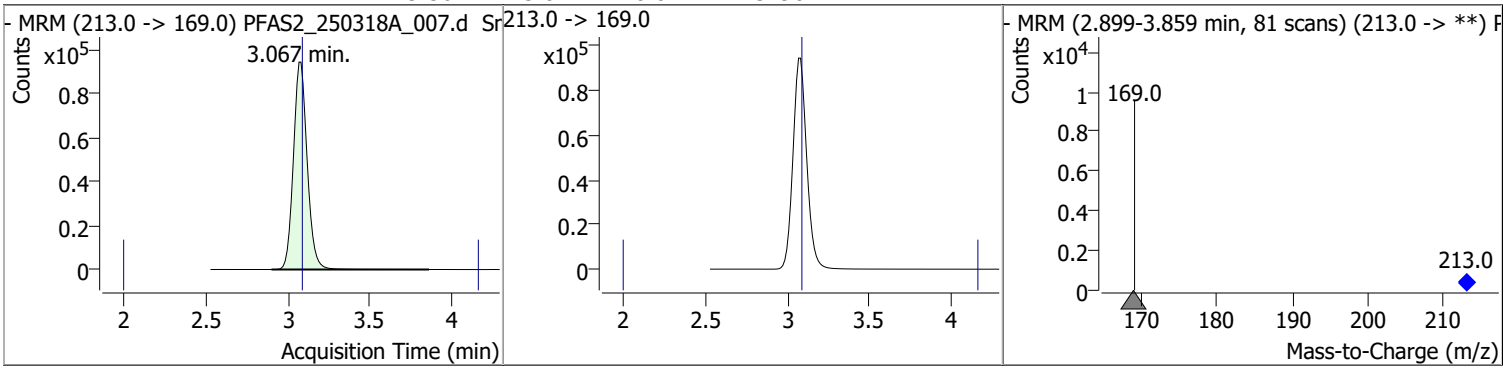
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0589	3.07	0.00	320993				



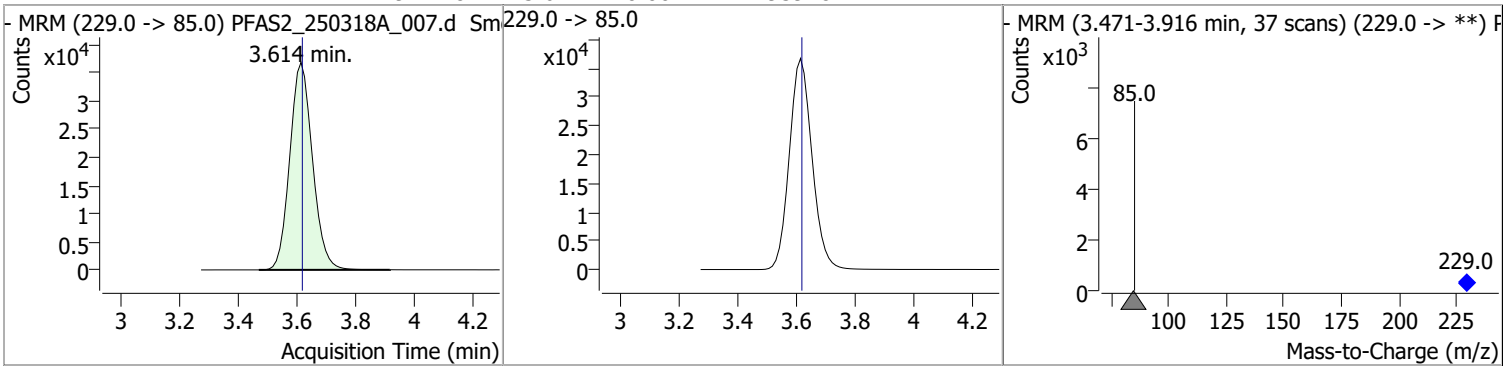
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	140427				



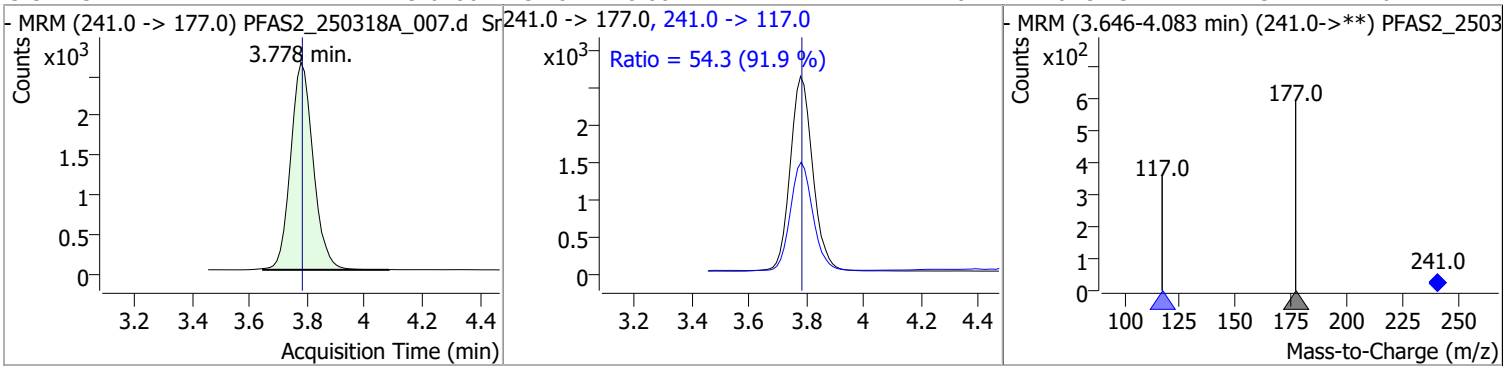
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	19.5622	3.07	-0.01	549041				



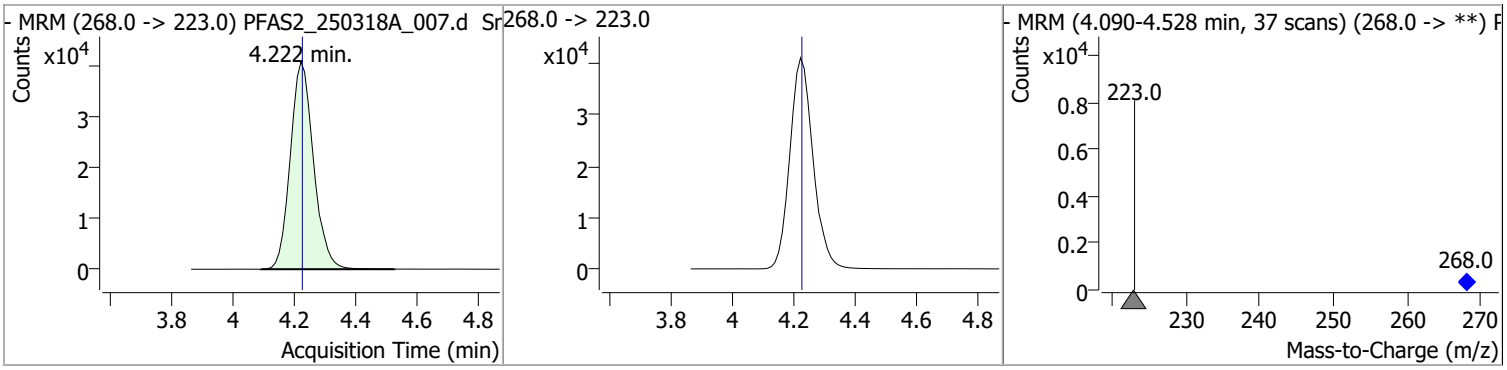
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	9.4478	3.61	0.00	195978				



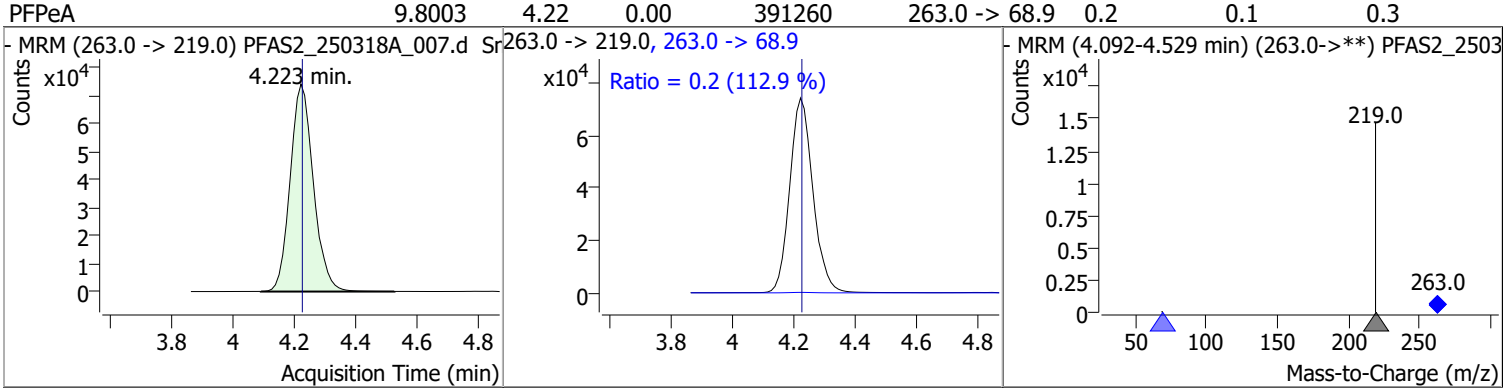
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	19.6480	3.78	0.00	14272	241.0 -> 117.0	54.3	41.3	76.7



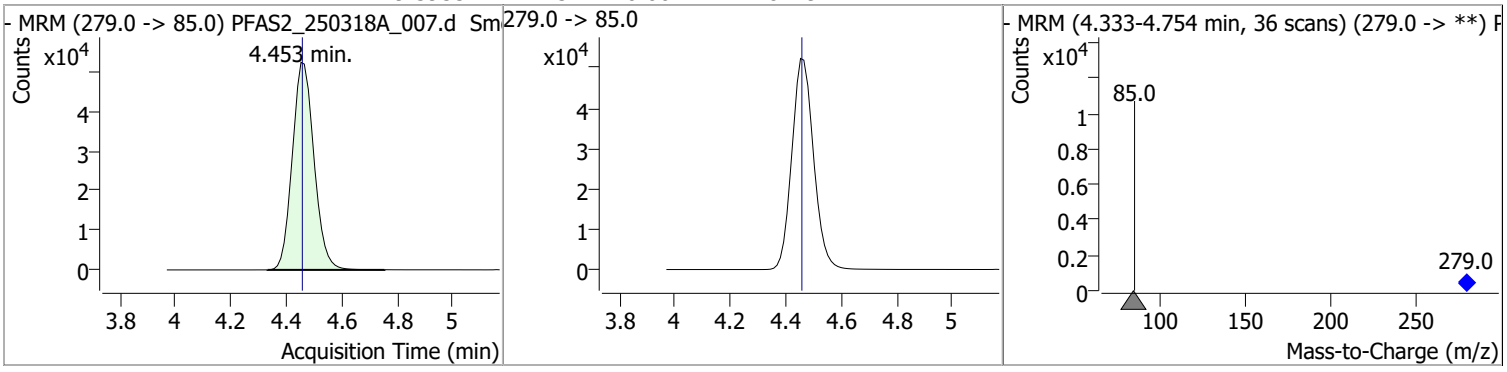
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.3245	4.22	0.00	215968				



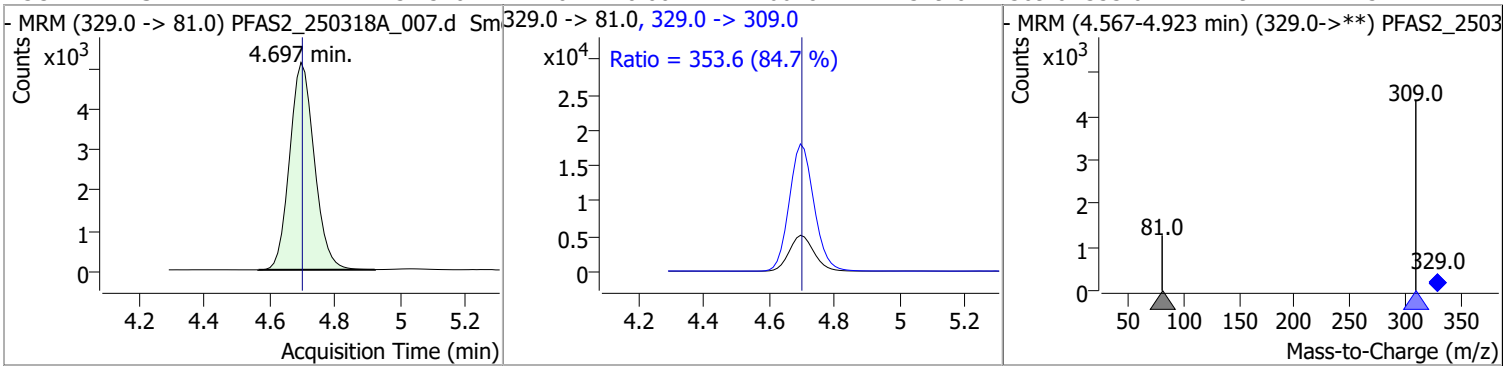
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	9.8003	4.22	0.00	391260	263.0 -> 68.9	0.2	0.1	0.3



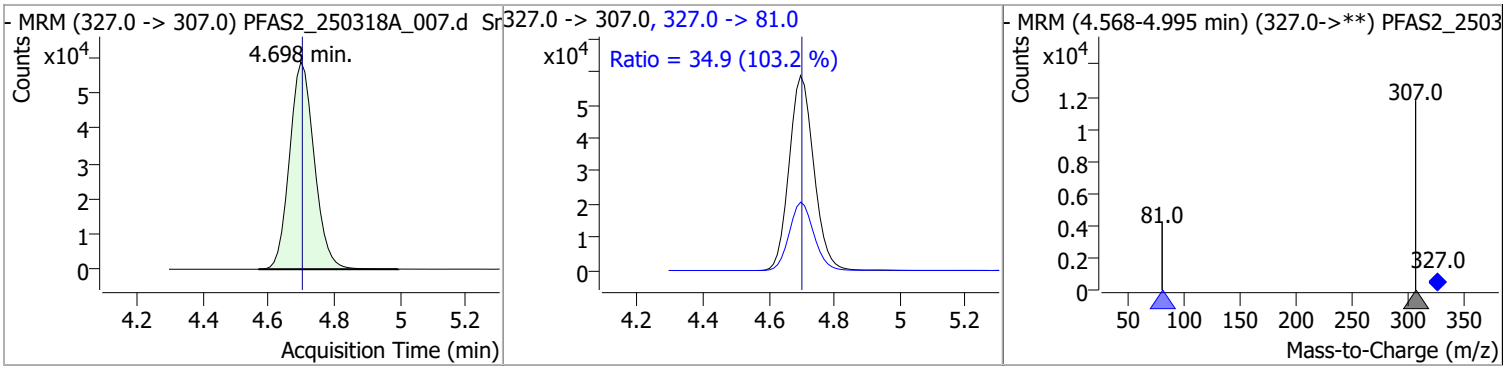
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	9.3955	4.45	0.00	284292				



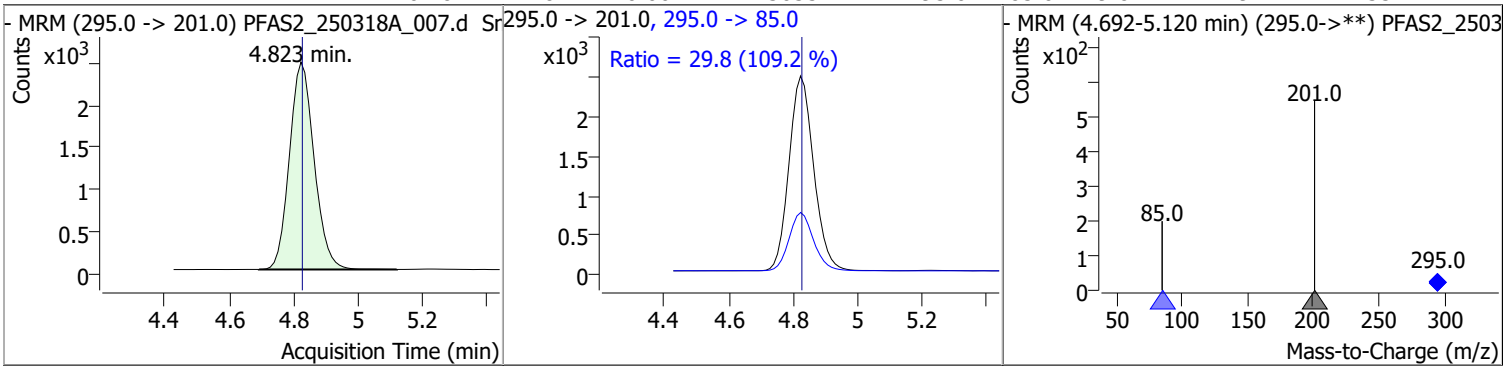
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.1520	4.70	0.00	26618	329.0 -> 309.0	353.6	292.1	542.4



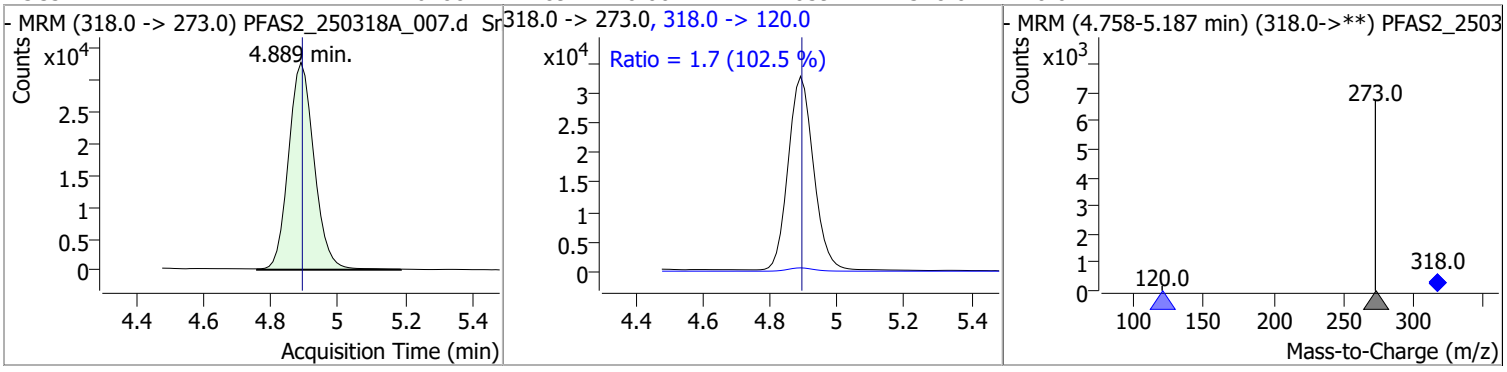
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	19.0181	4.70	0.00	307663	327.0 -> 81.0	34.9	23.6	43.9



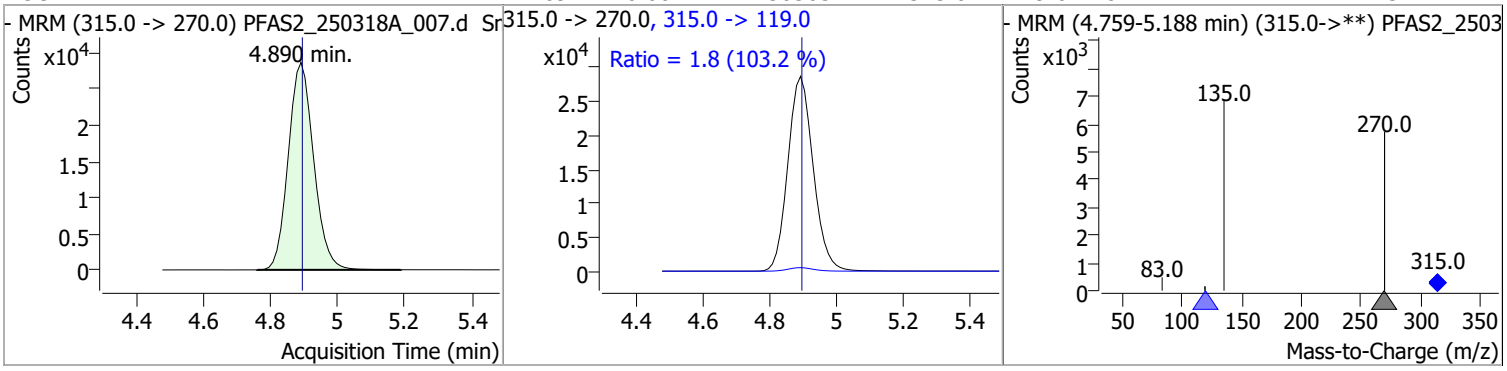
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	10.1822	4.82	0.00	13035	295.0 -> 85.0	29.8	19.1	35.4



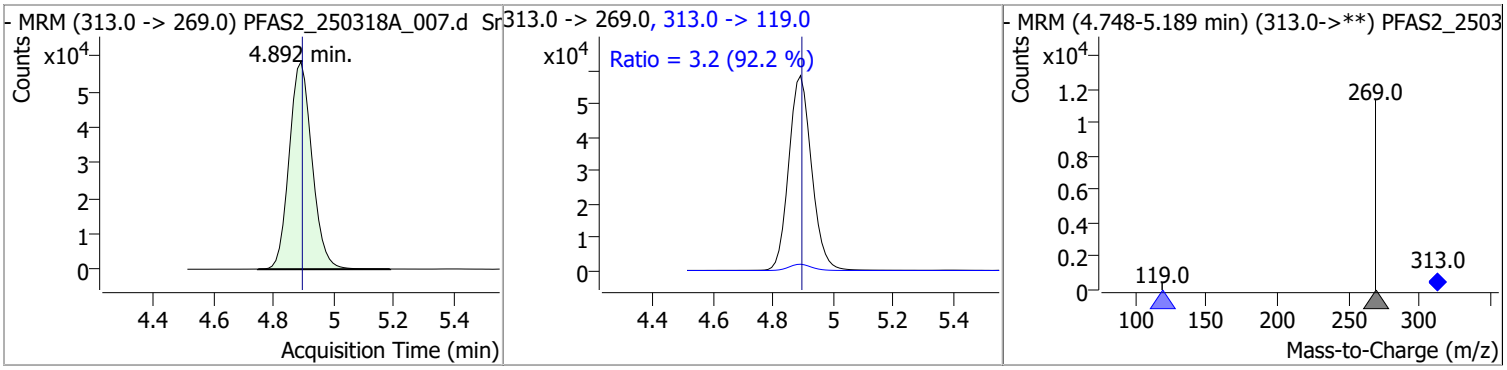
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.6288	4.89	0.00	174059	318.0 -> 120.0	1.7	1.1	2.1



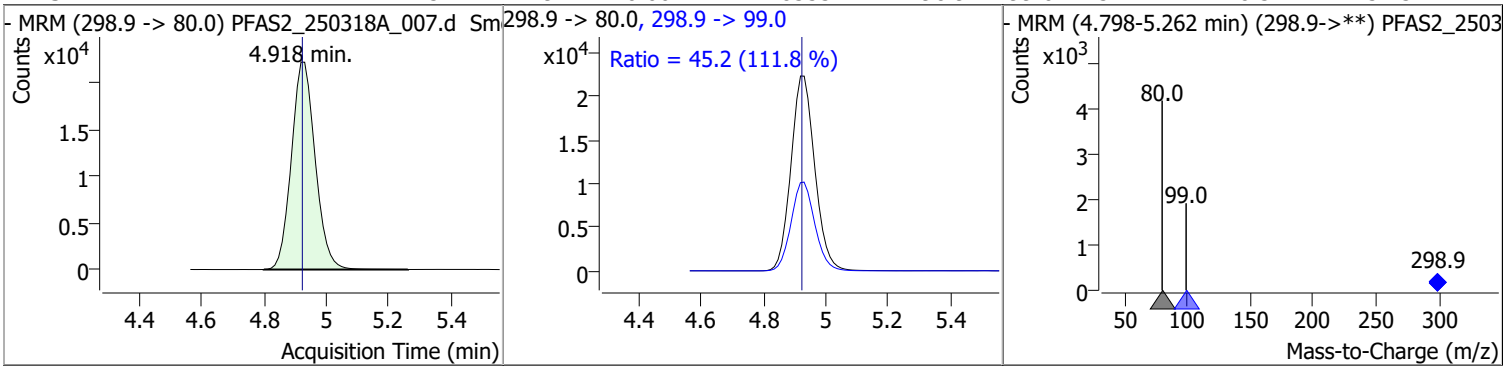
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	150383	315.0 -> 119.0	1.8	1.2	2.3



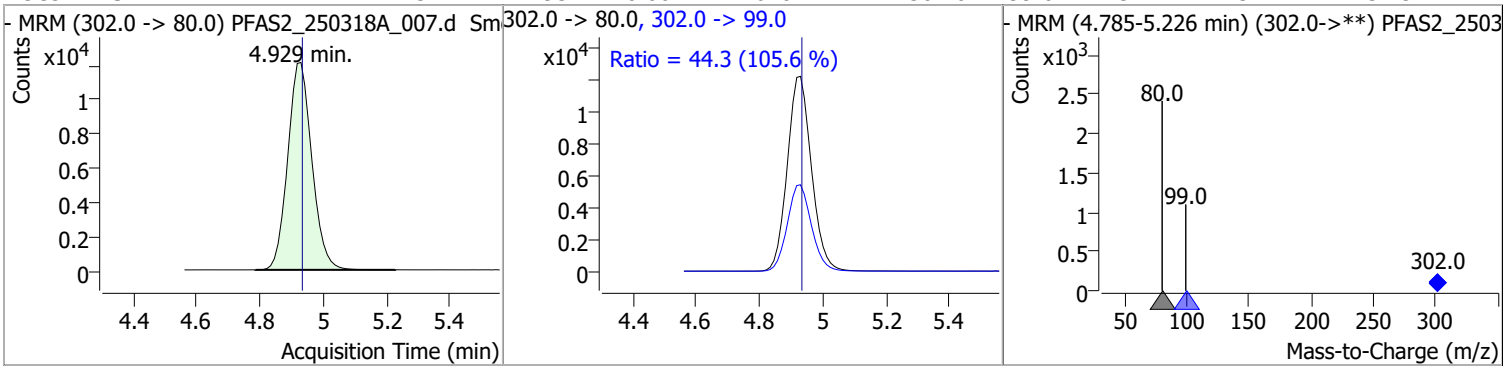
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	4.9329	4.89	0.00	307241	313.0 -> 119.0	3.2	2.4	4.5



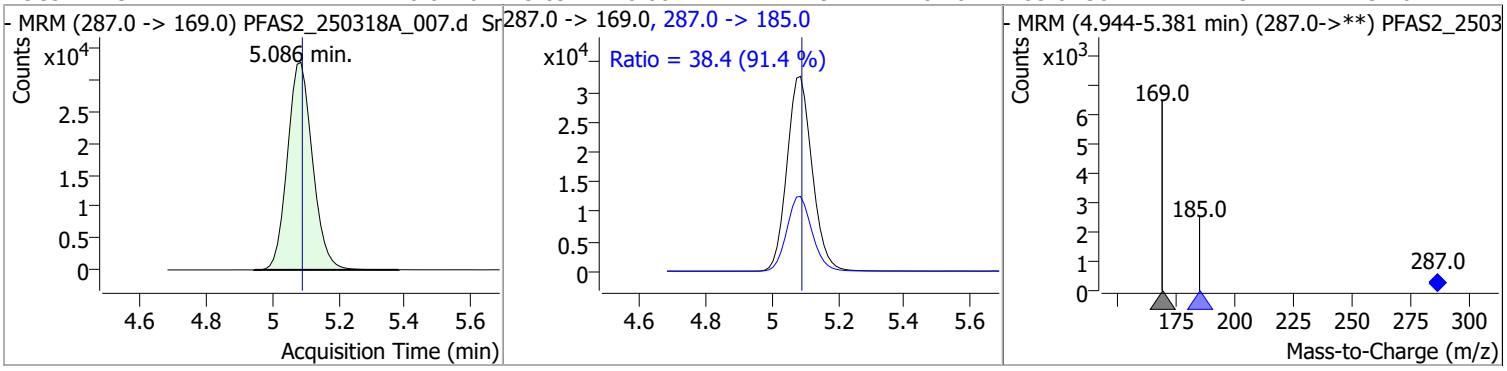
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	4.4517	4.92	0.00	118353	298.9 -> 99.0	45.2	28.3	52.5



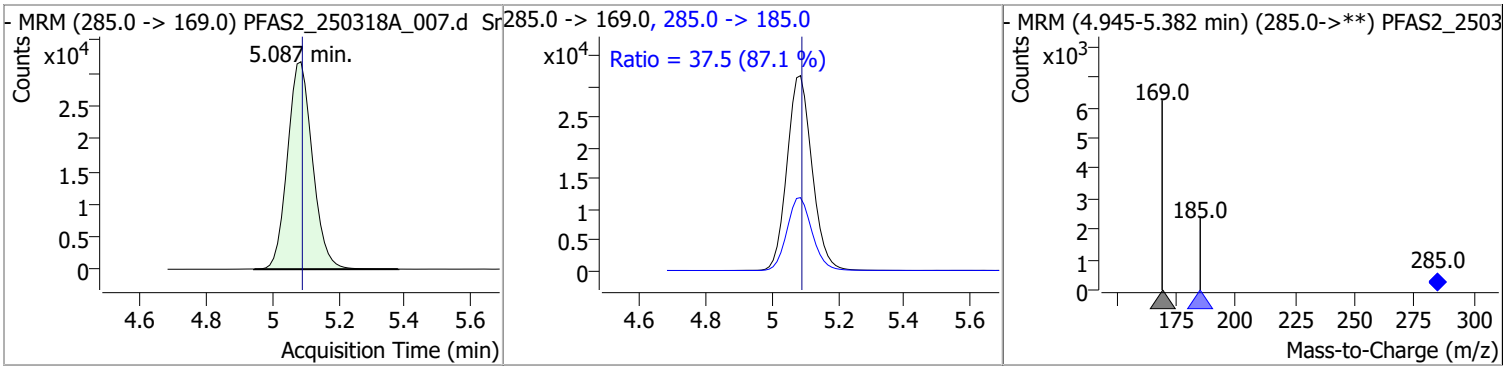
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5722	4.93	0.00	64072	302.0 -> 99.0	44.3	29.4	54.5



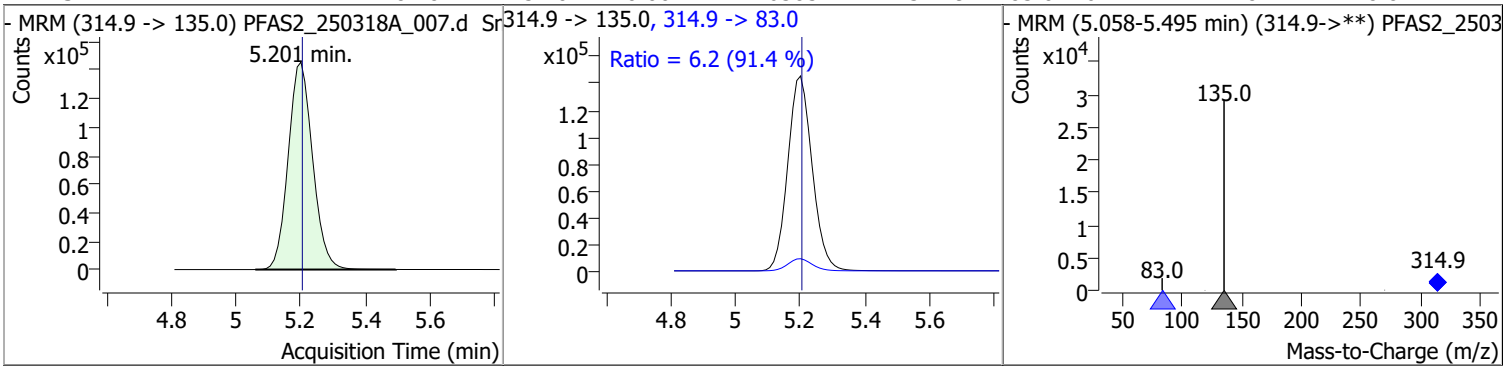
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0476	5.09	0.00	172129	287.0 -> 185.0	38.4	29.4	54.6



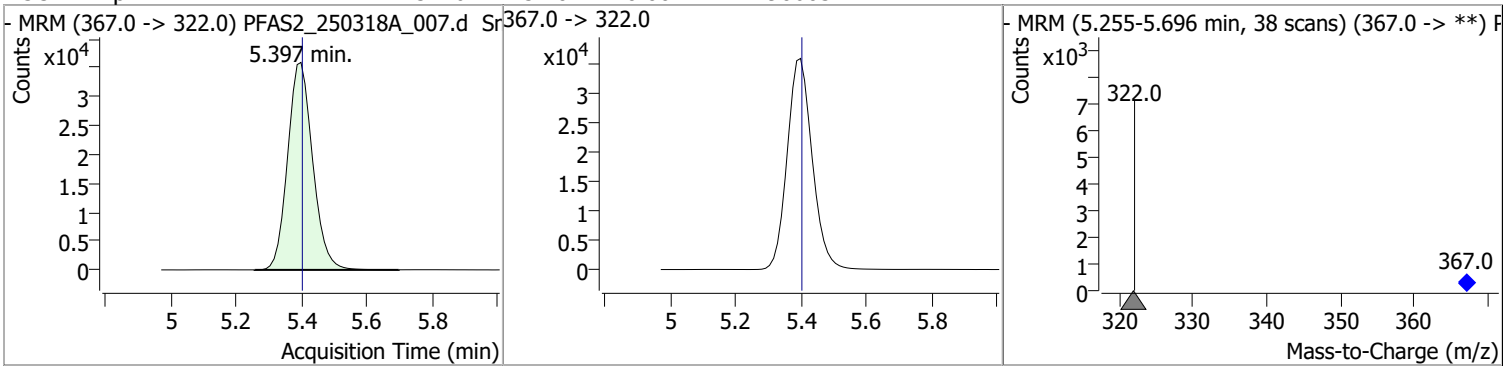
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	10.8948	5.09	0.00	166380	285.0 -> 185.0	37.5	30.1	56.0



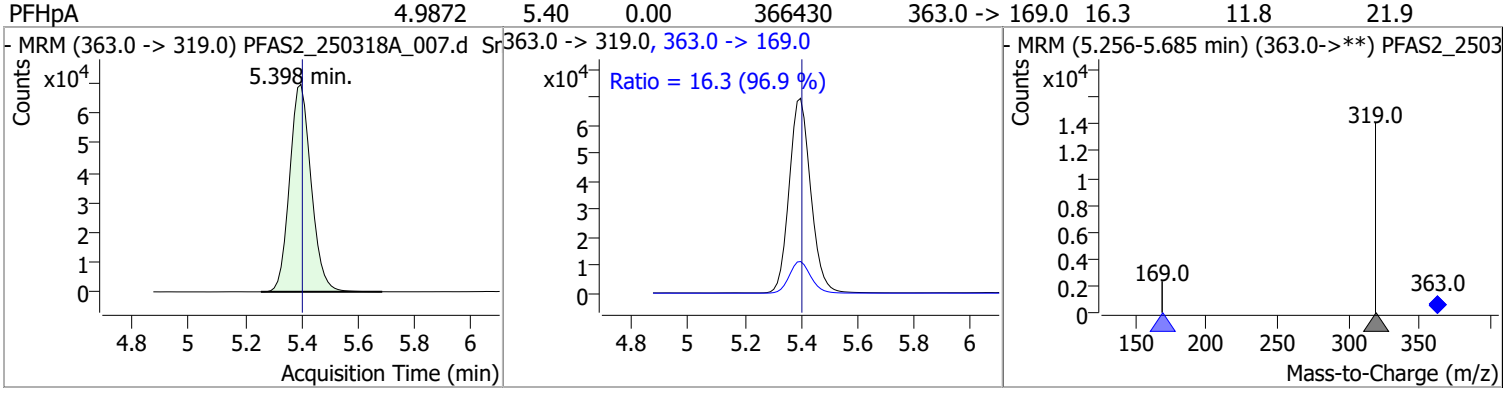
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	8.7814	5.20	0.00	765854	314.9 -> 83.0	6.2	4.8	8.8



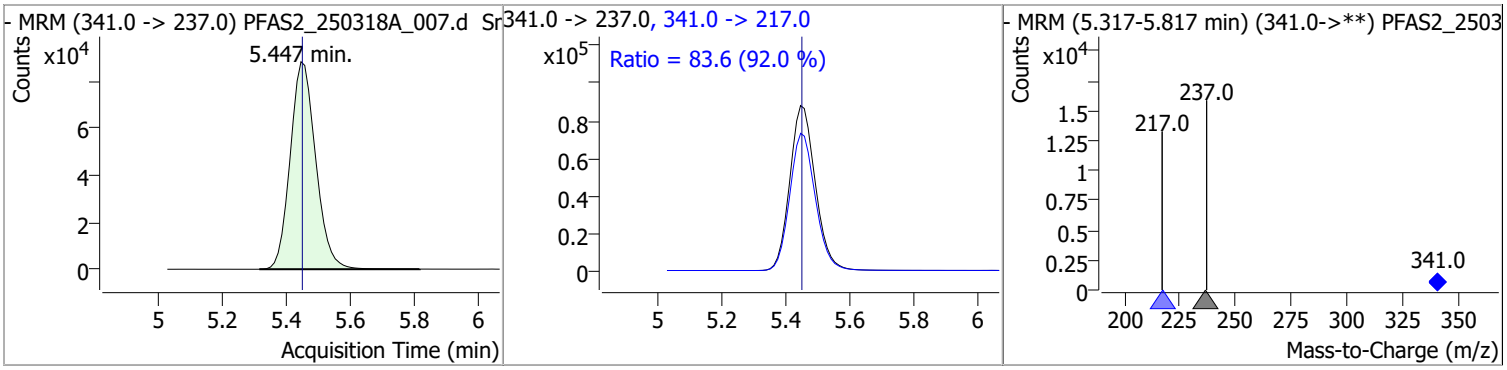
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5746	5.40	0.00	190603				



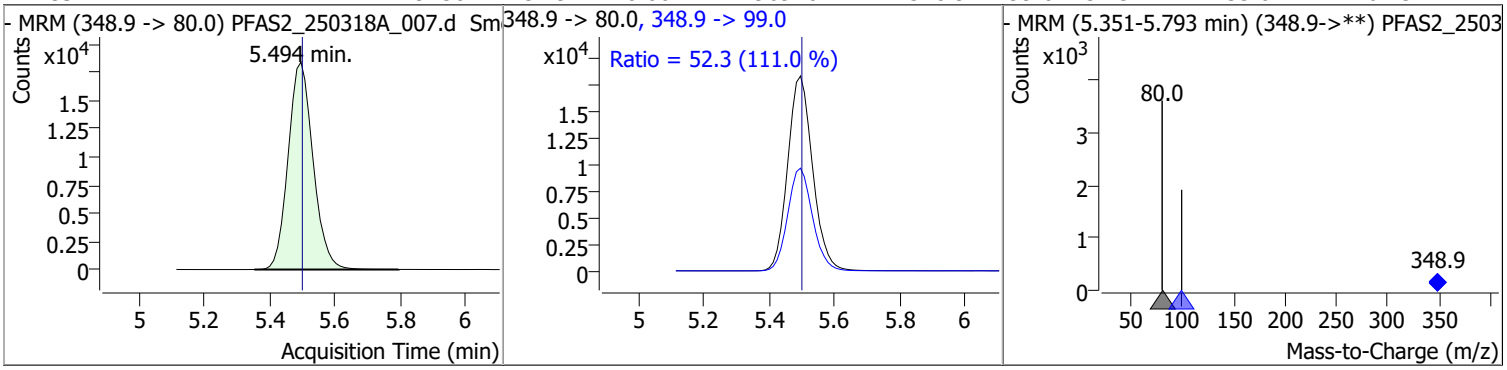
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	4.9872	5.40	0.00	366430	363.0 -> 169.0	16.3	11.8	21.9



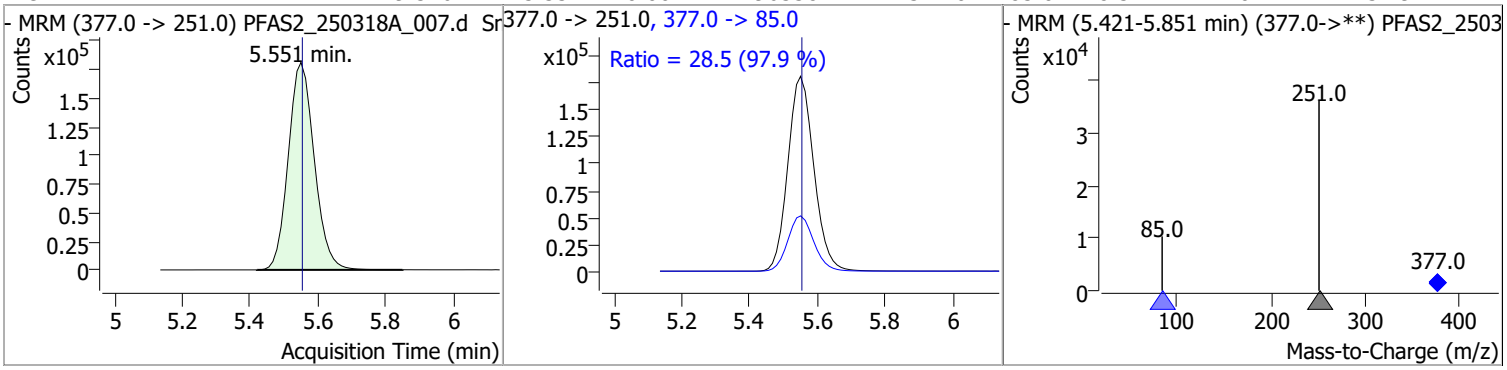
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	99.9361	5.45	0.00	486026	341.0 -> 217.0	83.6	63.6	118.1



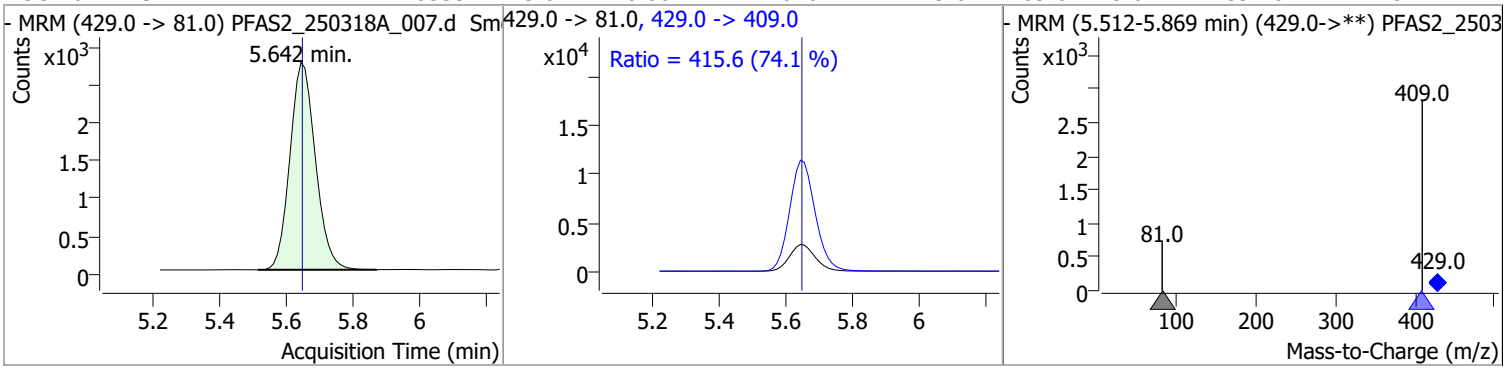
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	4.9130	5.49	0.00	96920	348.9 -> 99.0	52.3	33.0	61.3



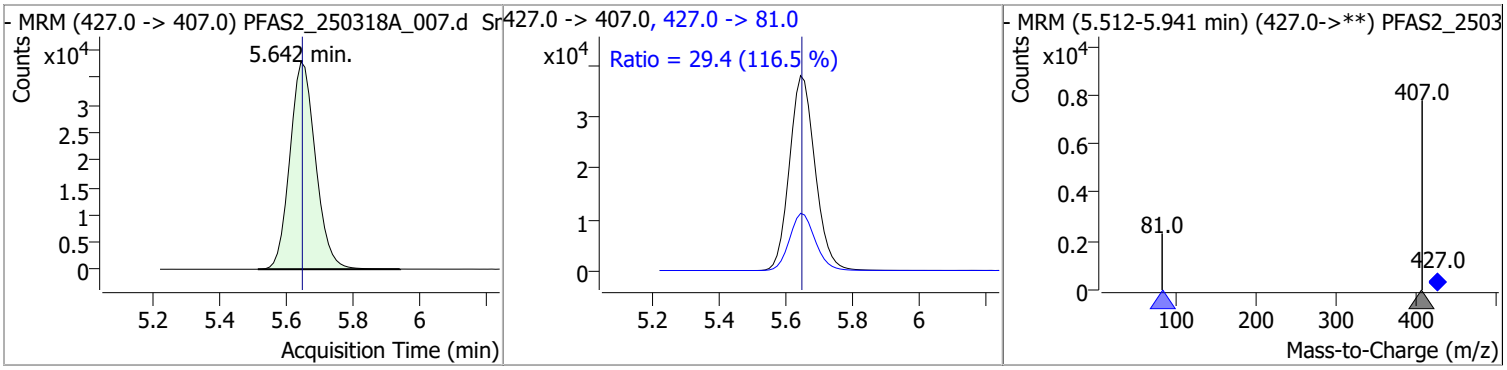
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.5462	5.55	0.00	965387	377.0 -> 85.0	28.5	20.4	37.9



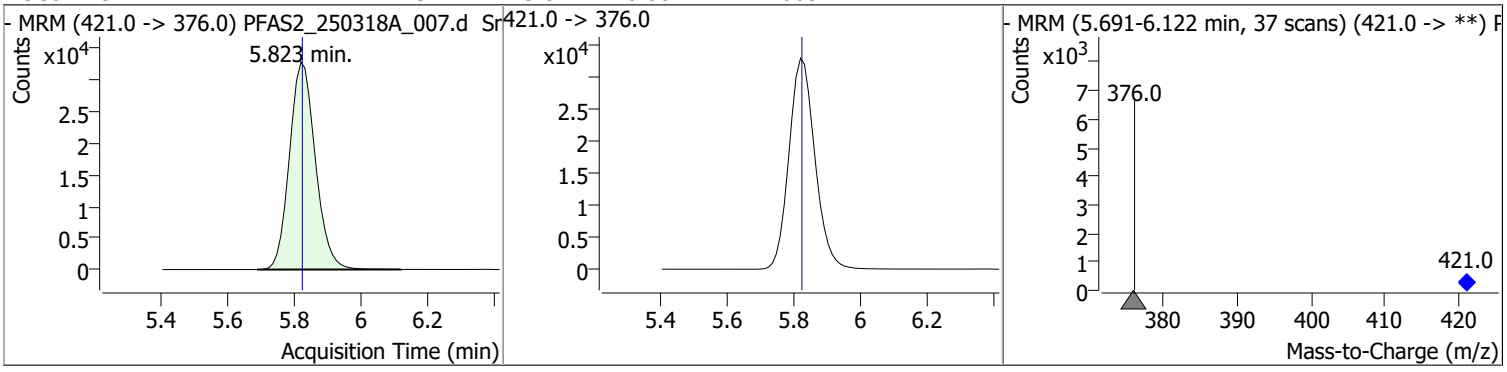
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8333	5.64	0.00	14640	429.0 -> 409.0	415.6	392.8	729.4



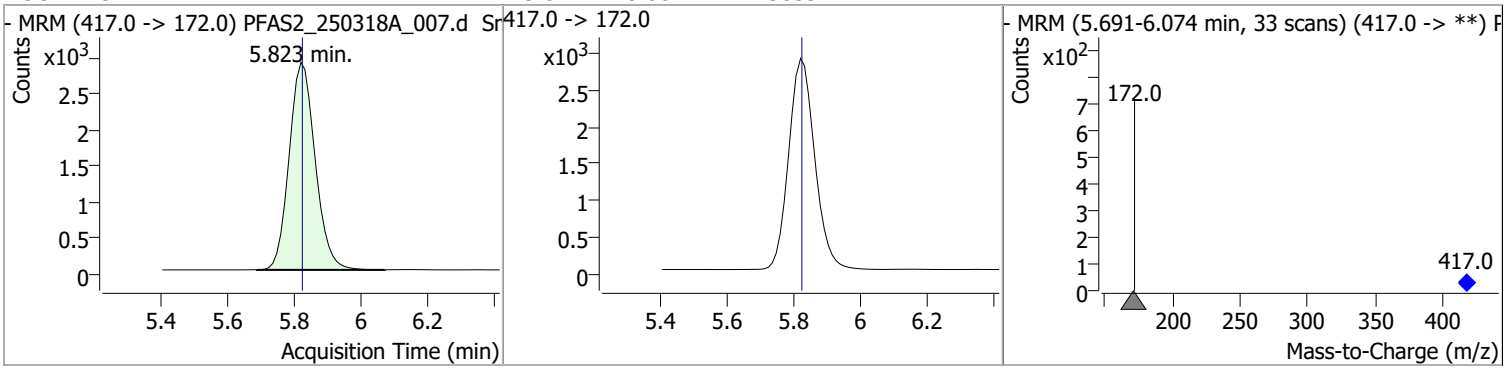
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	19.9173	5.64	0.00	202859	427.0 -> 81.0	29.4	17.7	32.8



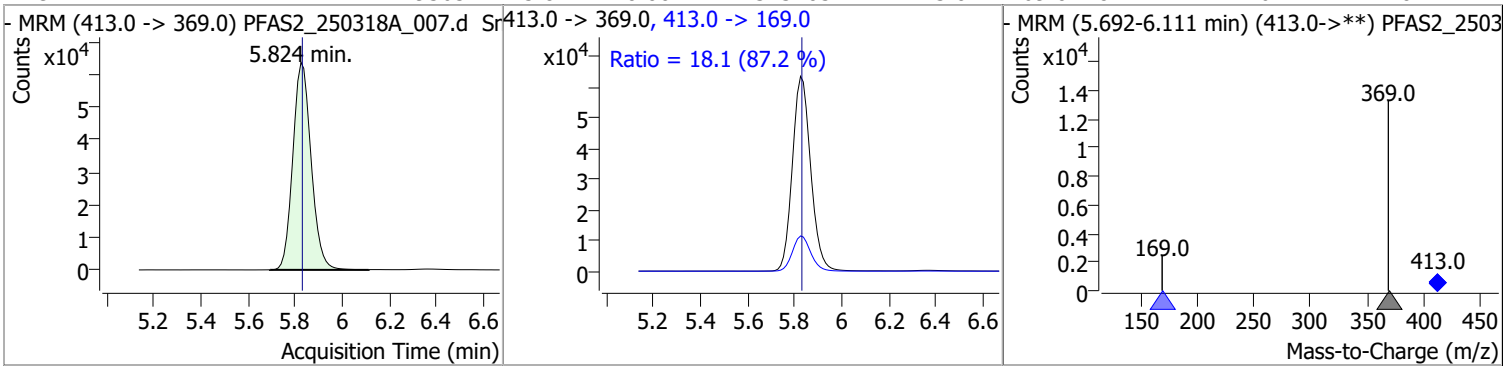
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5227	5.82	0.00	176652				



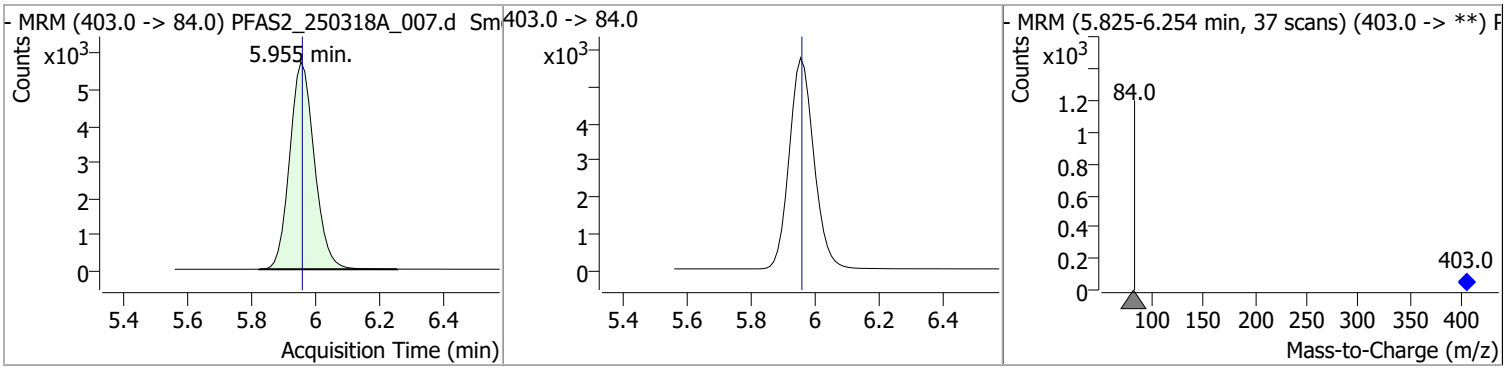
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15659				



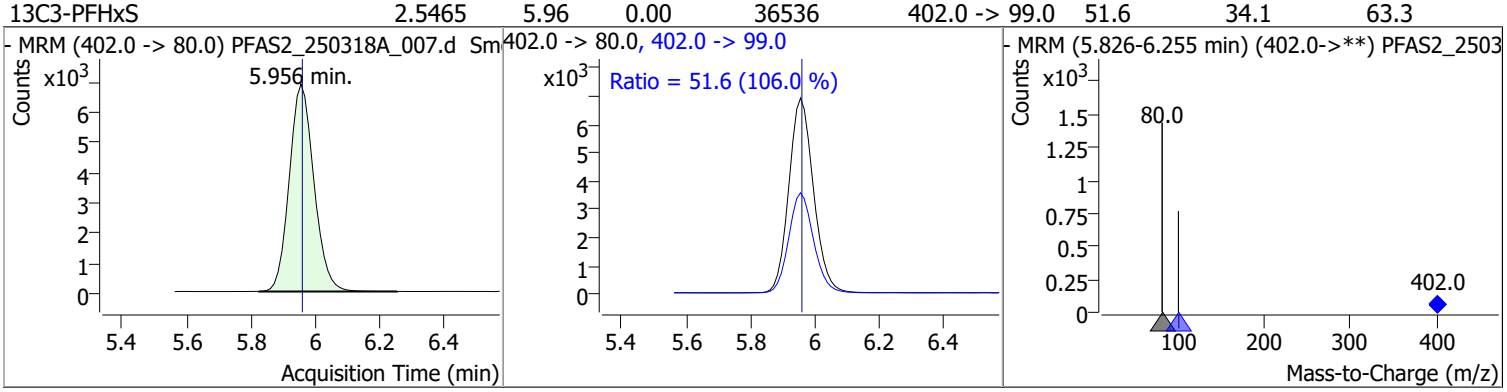
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	4.9365	5.82	0.00	343405	413.0 -> 169.0	18.1	14.6	27.0



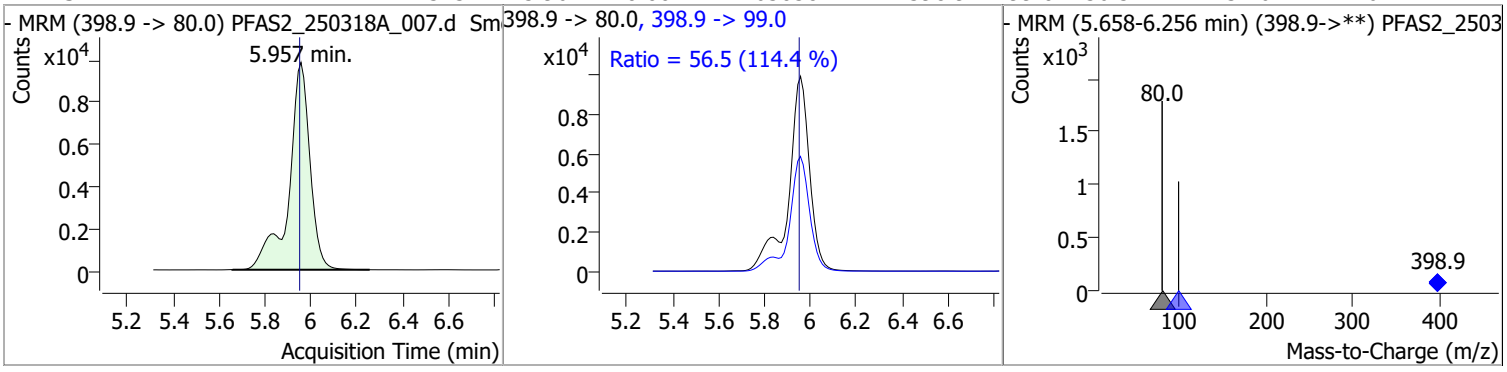
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	30419				



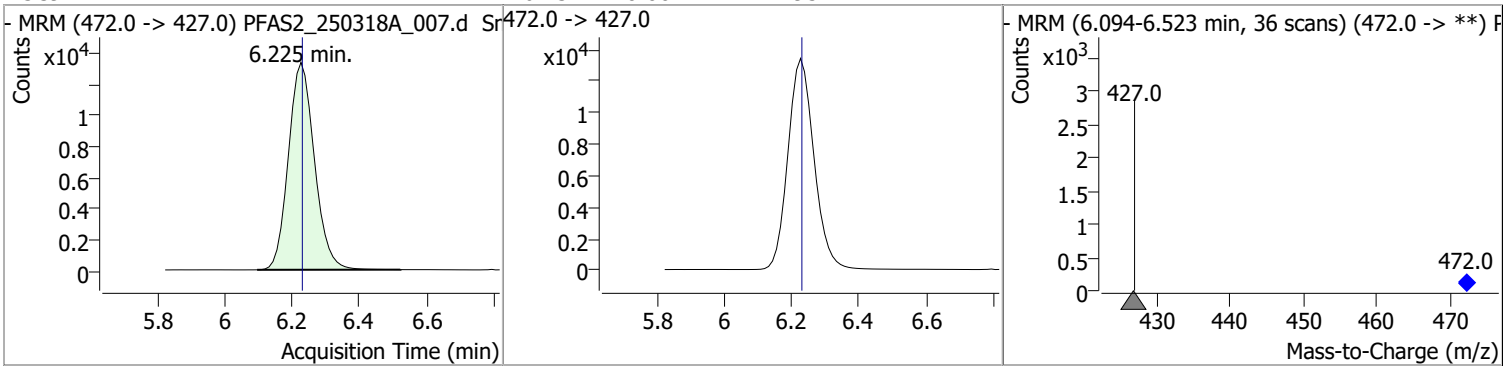
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5465	5.96	0.00	36536	402.0 -> 99.0	51.6	34.1	63.3



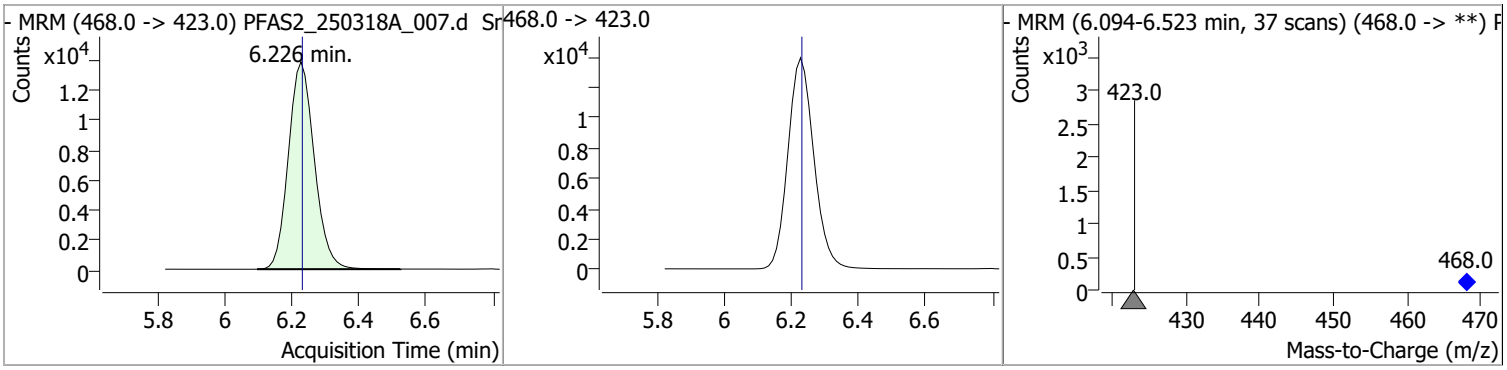
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	4.4373	5.96	0.00	63058	398.9 -> 99.0	56.5	34.6	64.2



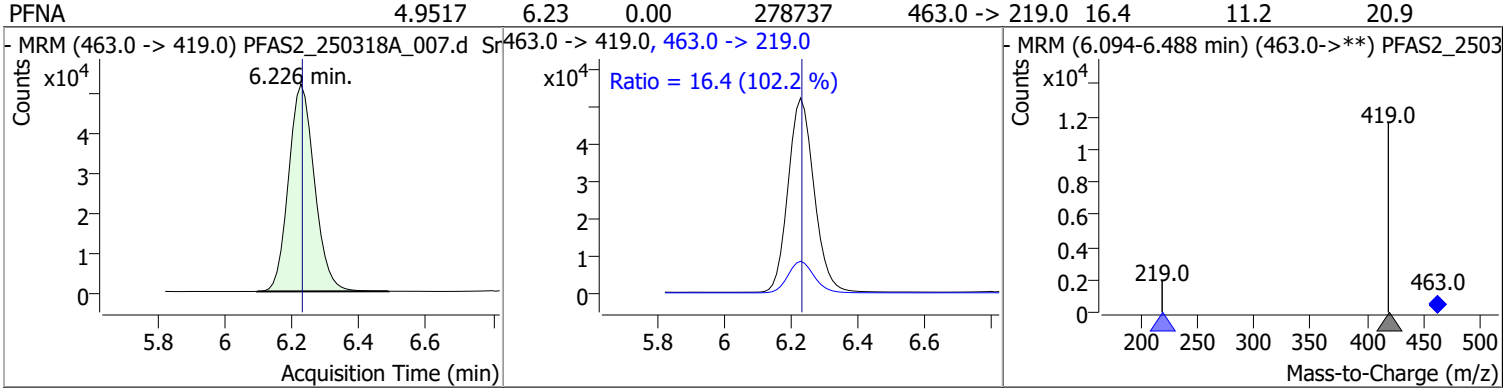
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2221	6.23	0.00	72195				



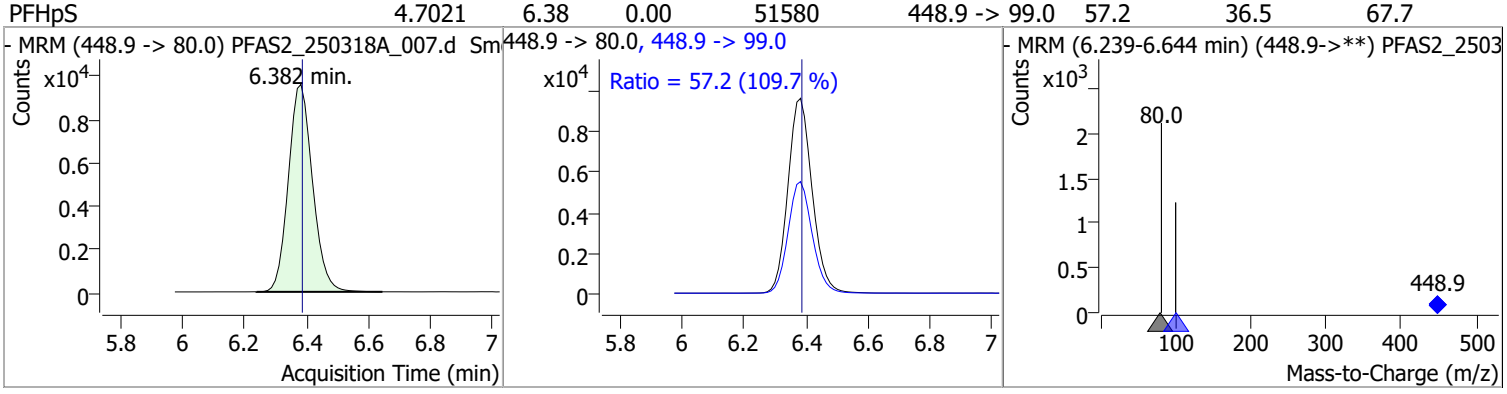
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	74553				



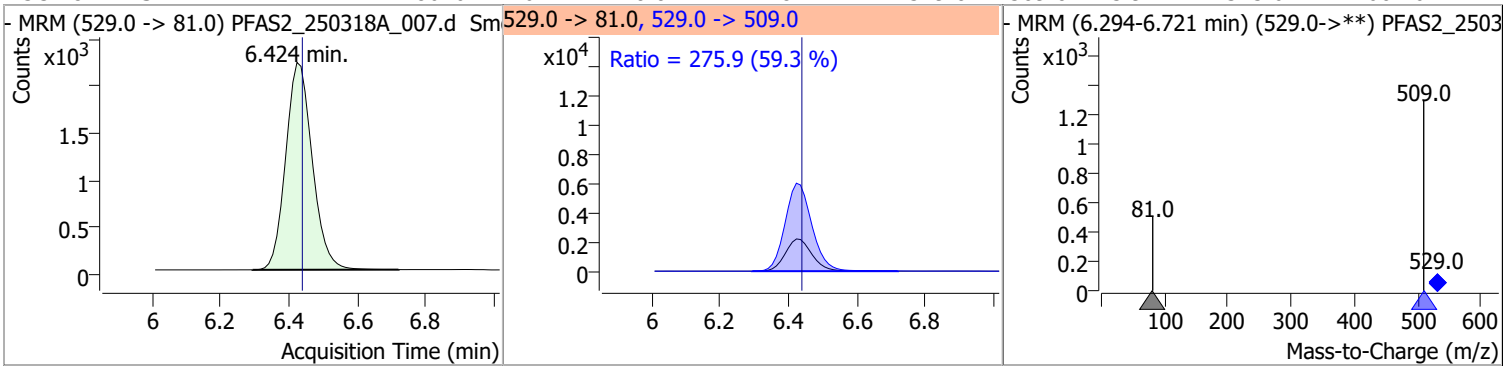
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	4.9517	6.23	0.00	278737	463.0 -> 219.0	16.4	11.2	20.9



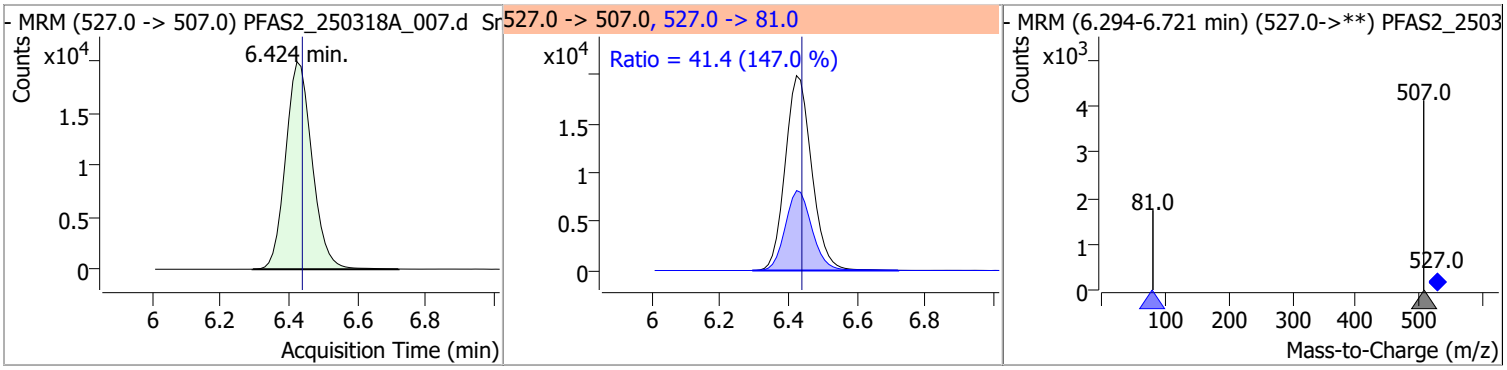
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	4.7021	6.38	0.00	51580	448.9 -> 99.0	57.2	36.5	67.7



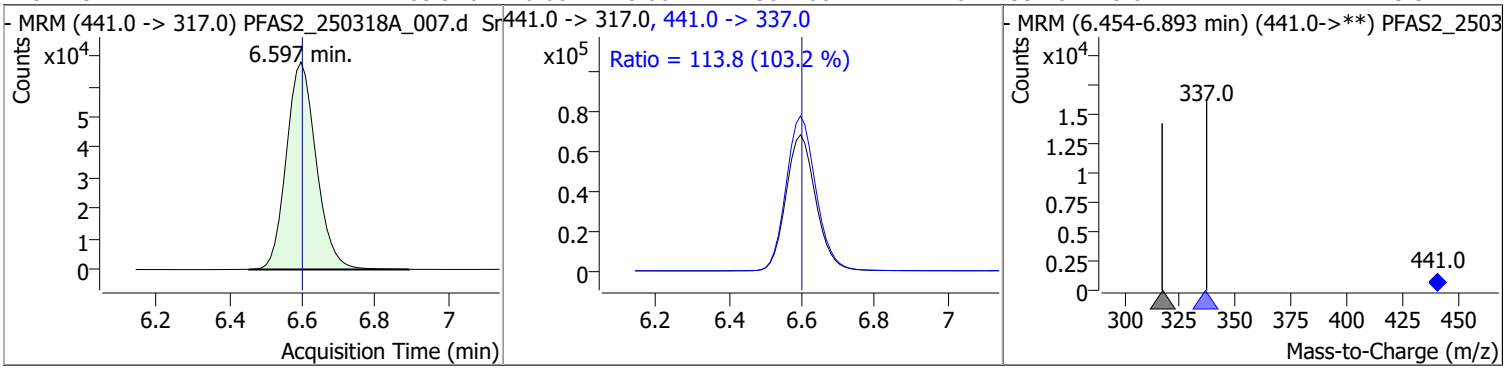
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8626	6.42	-0.01	11842	529.0 -> 509.0	275.9	325.6	604.6



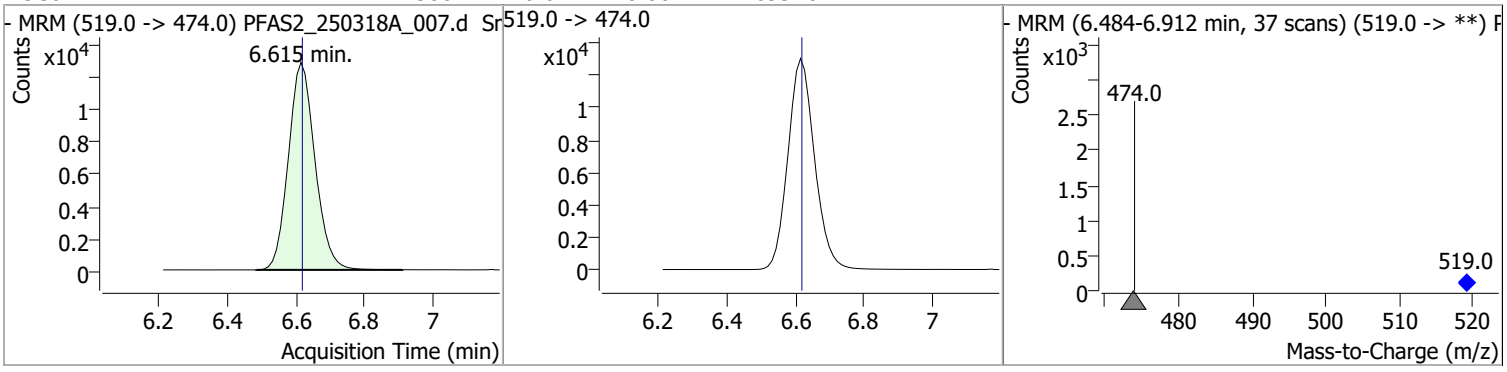
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	20.1334	6.42	-0.01	106618	527.0 -> 81.0	41.4	19.7	36.6



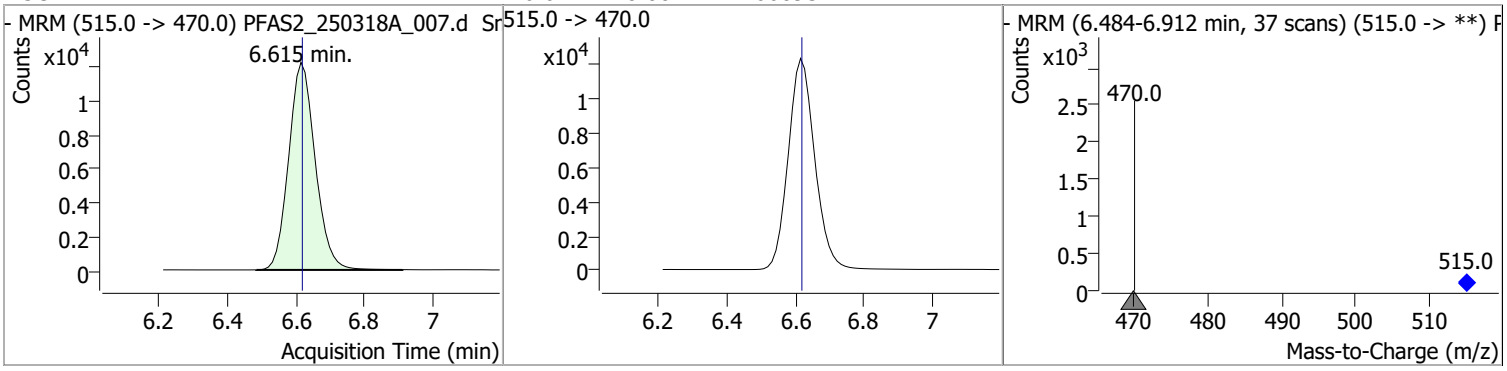
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	103.9764	6.60	0.00	384780	441.0 -> 337.0	113.8	77.1	143.3



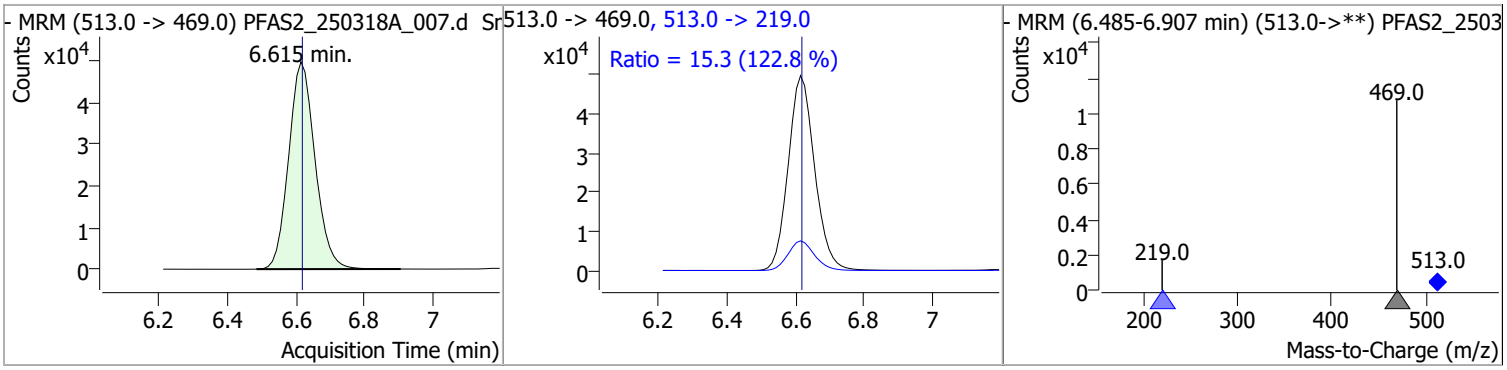
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3002	6.61	0.00	69928				



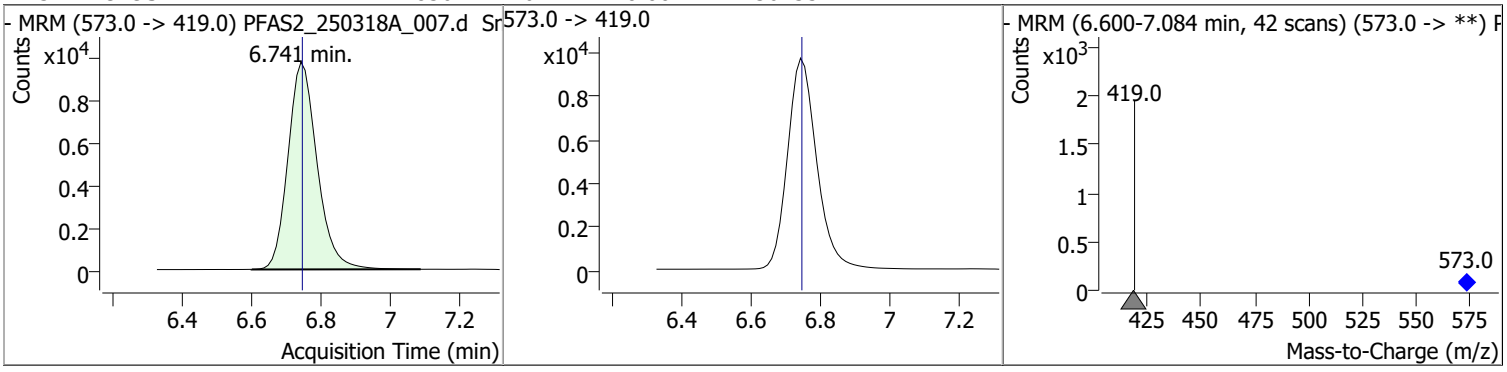
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66093				



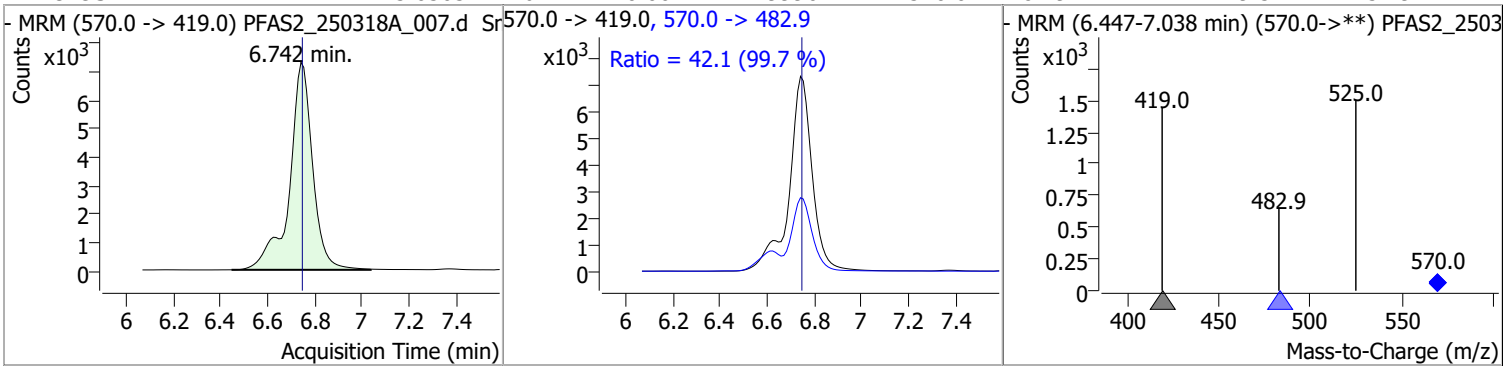
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	5.1727	6.62	0.00	266196	513.0 -> 219.0	15.3	8.7	16.2



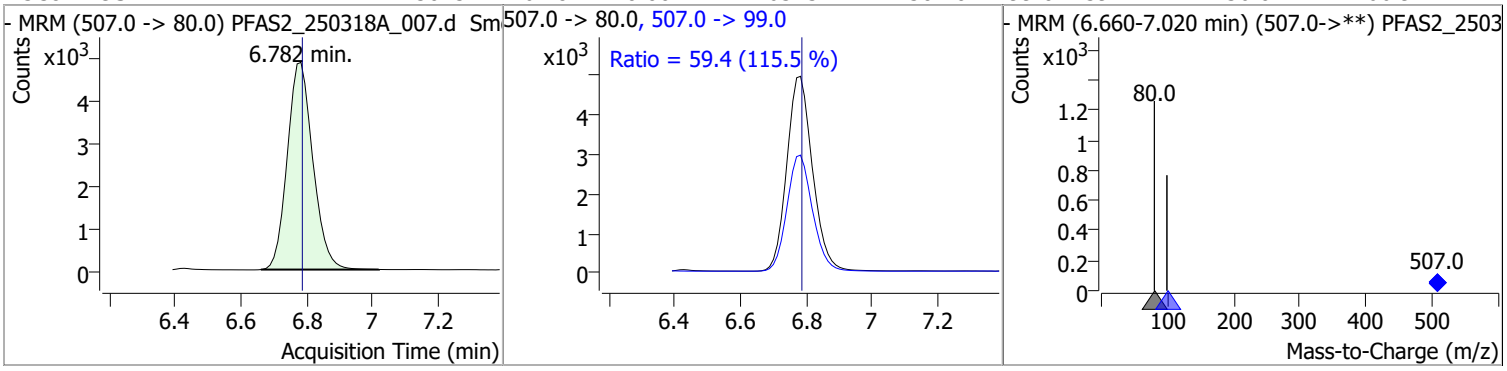
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8362	6.74	0.00	56235				



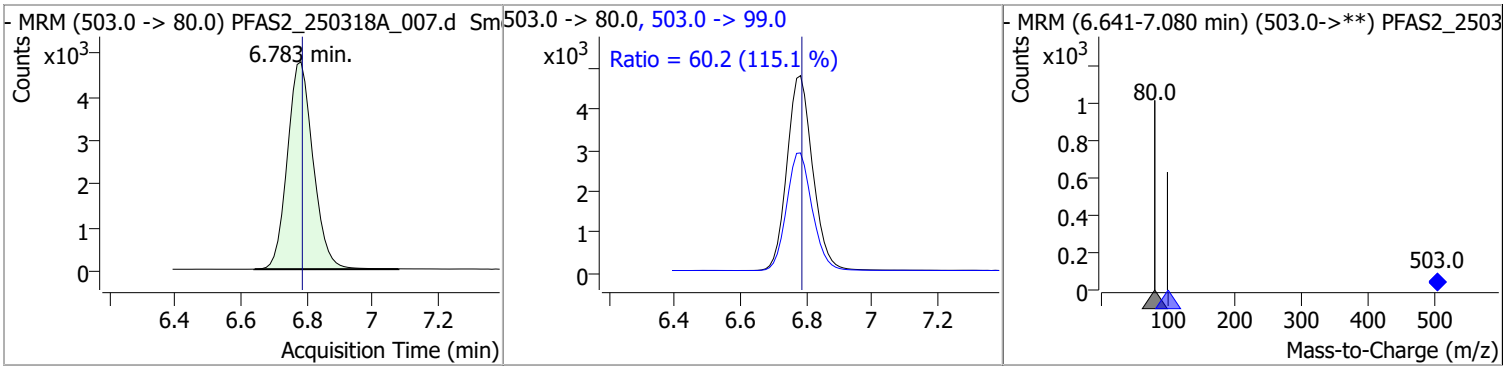
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	5.0303	6.74	0.00	49990	570.0 -> 482.9	42.1	29.5	54.9



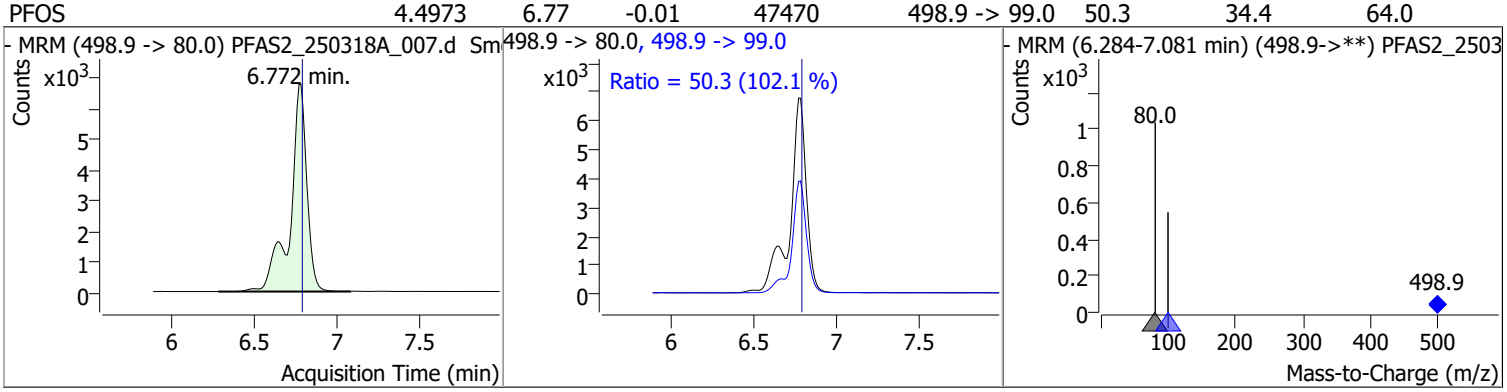
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5075	6.78	0.00	26373	507.0 -> 99.0	59.4	36.0	66.9



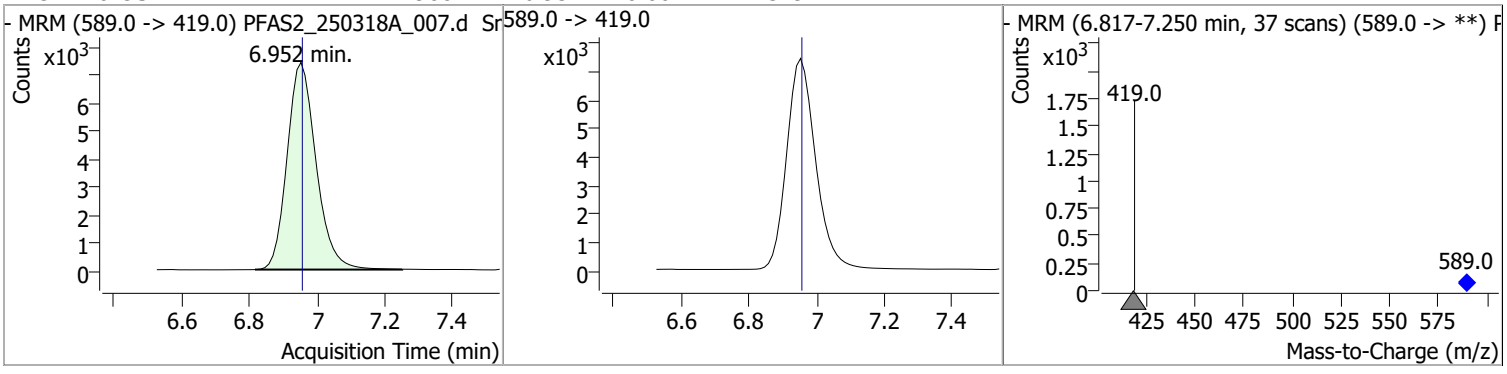
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	25915	503.0 -> 99.0	60.2	36.6	67.9



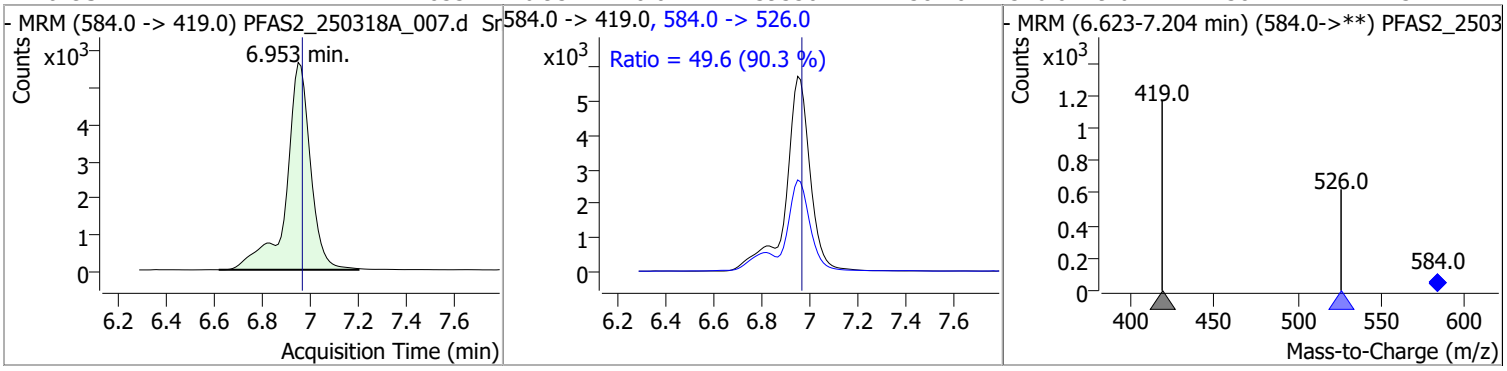
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	4.4973	6.77	-0.01	47470	498.9 -> 99.0	50.3	34.4	64.0



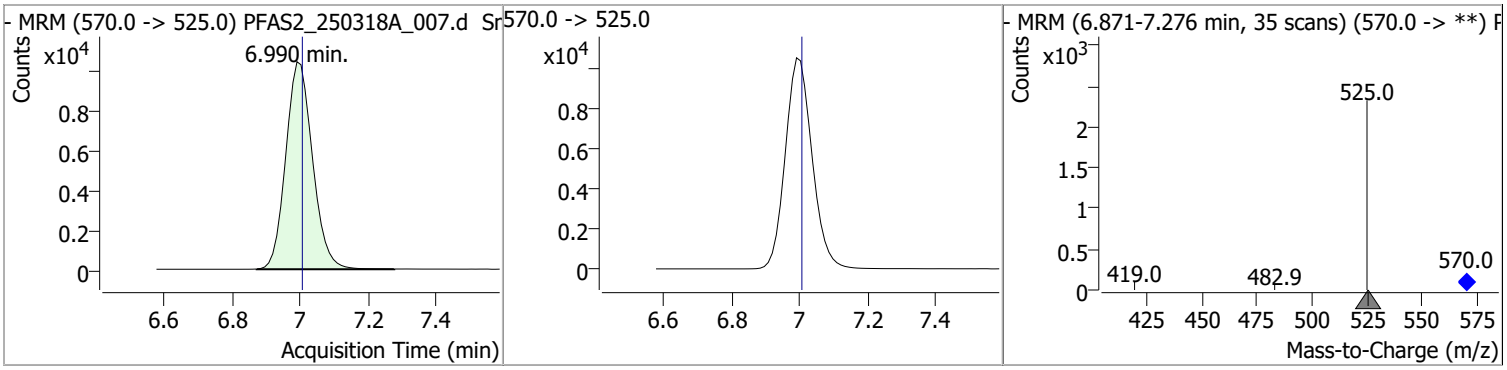
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9884	6.95	0.00	43792				



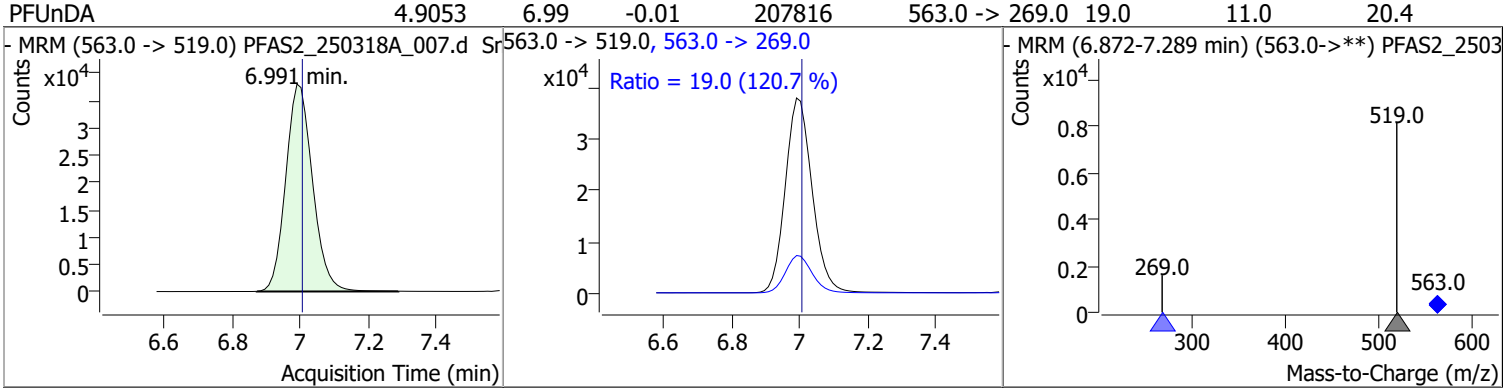
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	4.7833	6.95	-0.01	39550	584.0 -> 526.0	49.6	38.4	71.3



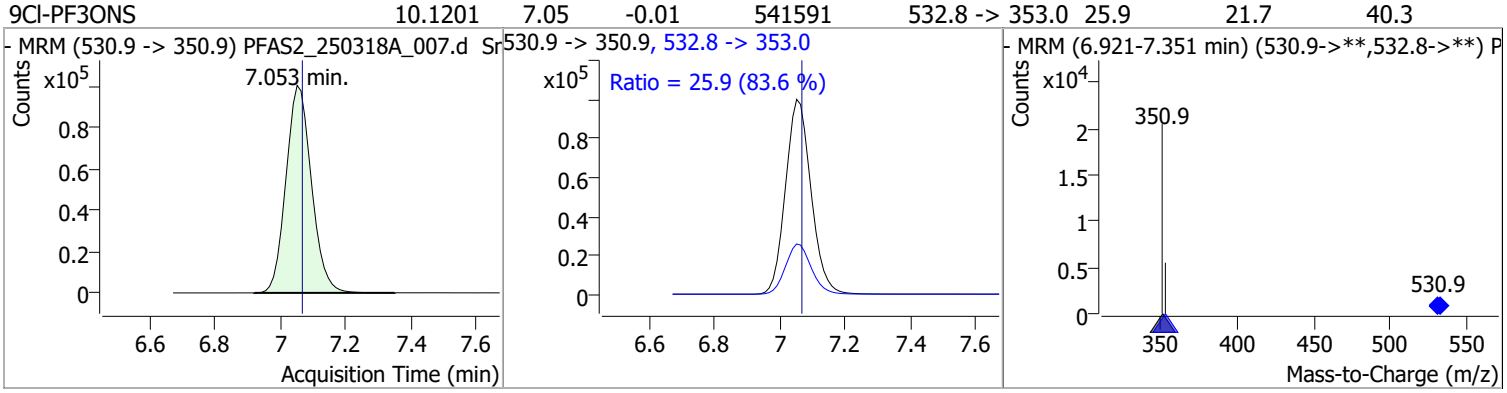
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3455	6.99	-0.01	57030				



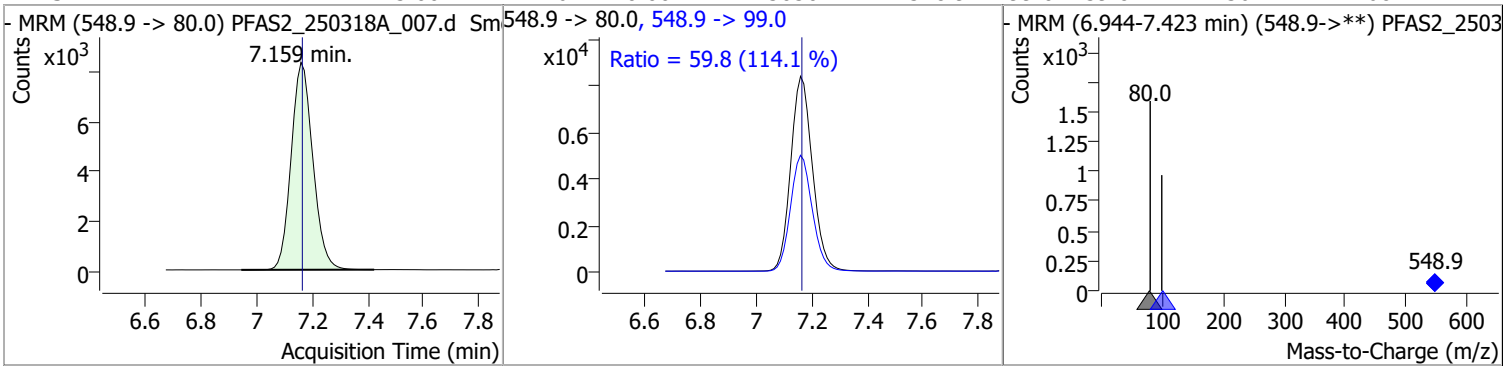
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	4.9053	6.99	-0.01	207816	563.0 -> 269.0	19.0	11.0	20.4



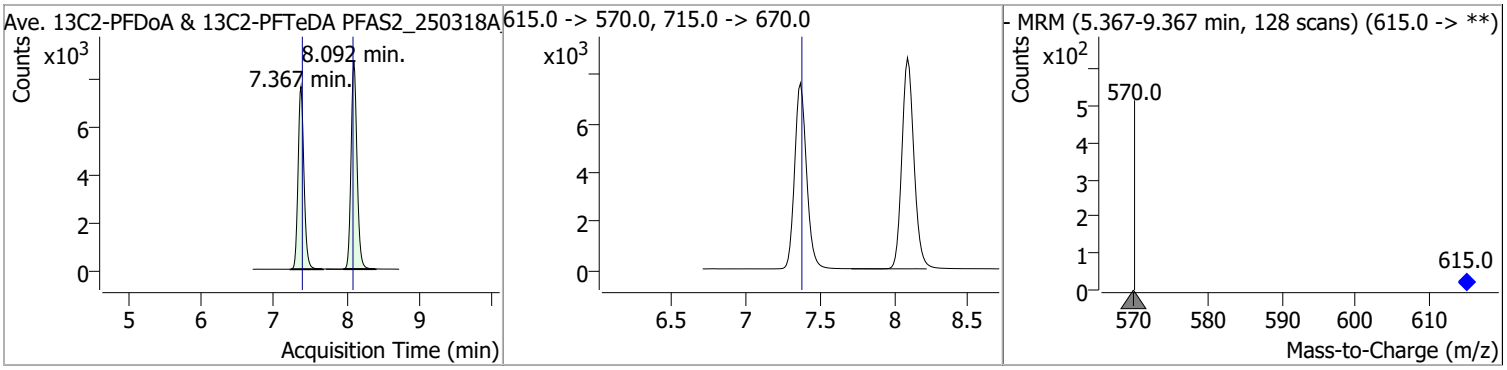
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	10.1201	7.05	-0.01	541591	532.8 -> 353.0	25.9	21.7	40.3



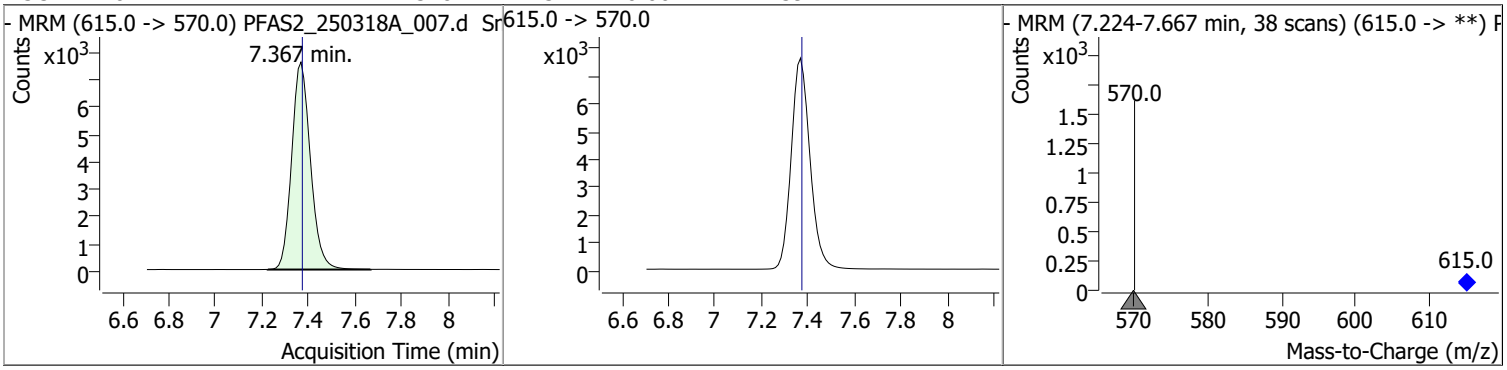
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	5.0074	7.16	0.00	45050	548.9 -> 99.0	59.8	36.7	68.1



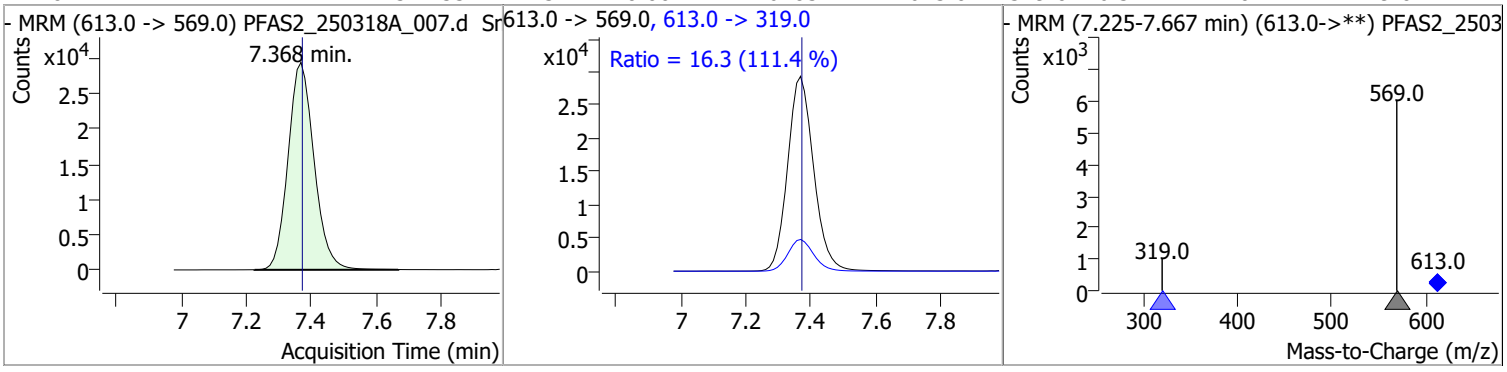
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3120	7.73	0.36	45837				



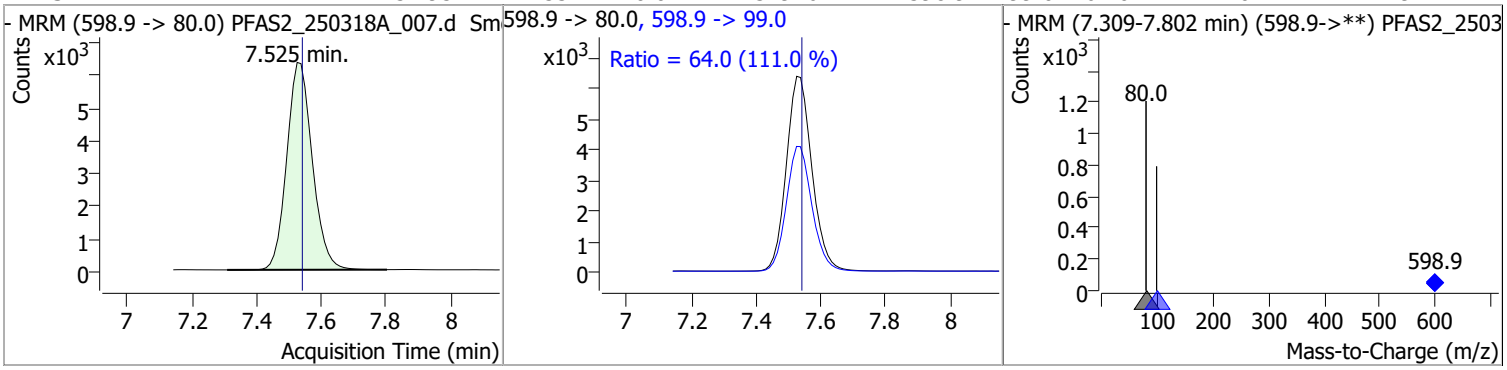
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3487	7.37	0.00	42591				



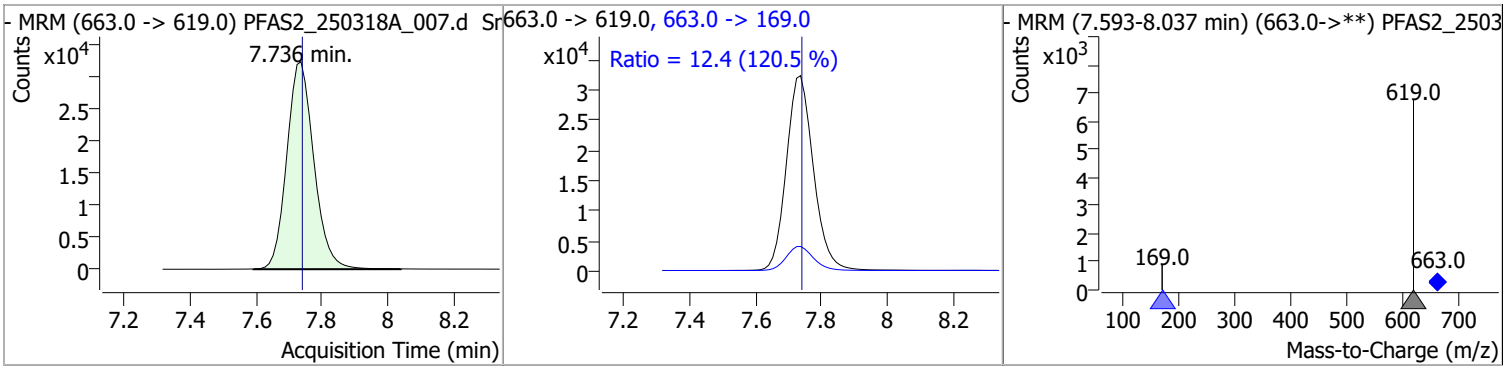
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	5.2153	7.37	0.00	162837	613.0 -> 319.0	16.3	10.2	19.0



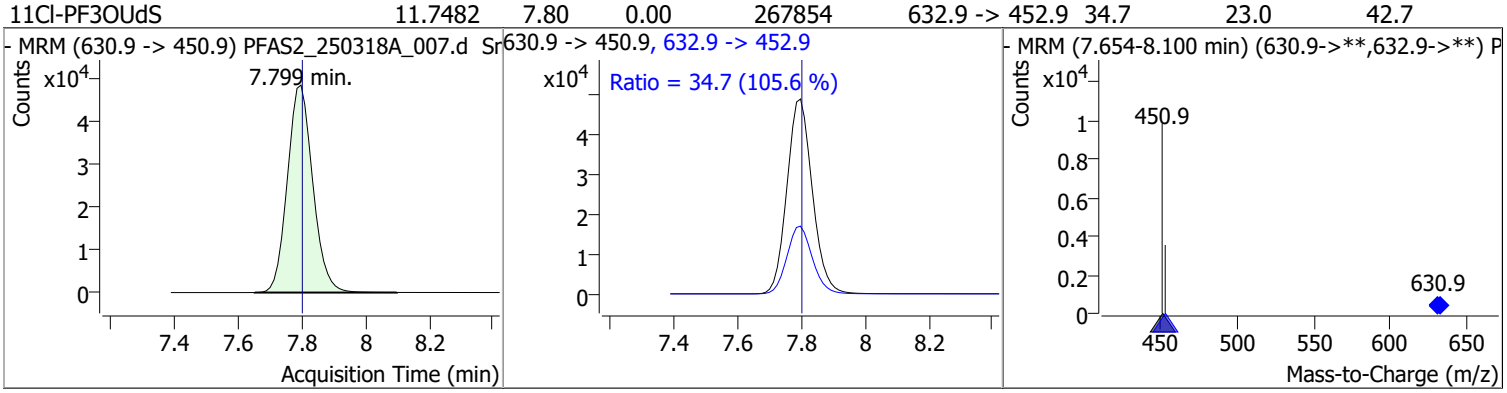
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	5.1957	7.53	-0.01	34926	598.9 -> 99.0	64.0	40.4	74.9



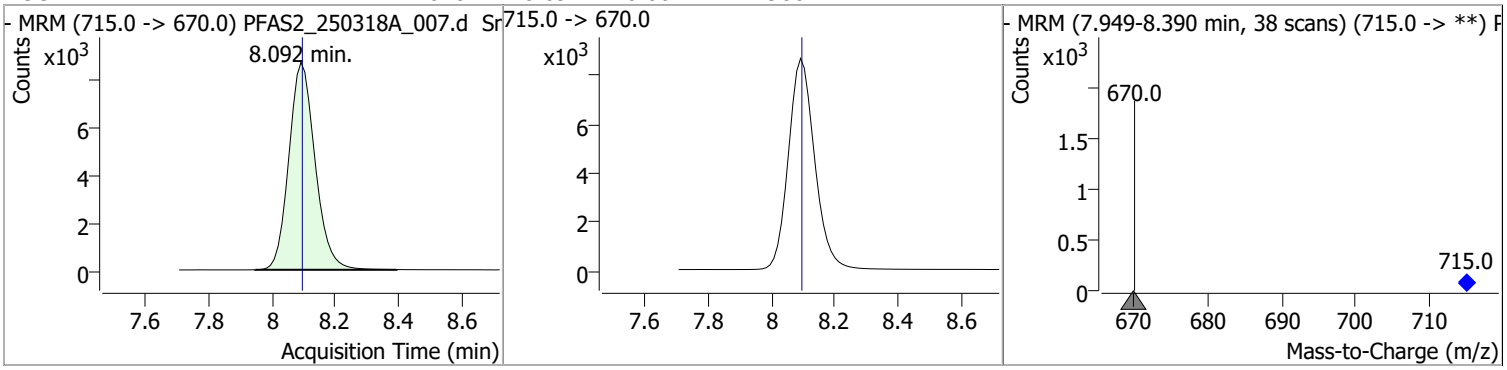
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	5.3212	7.74	0.00	183776	663.0 -> 169.0	12.4	7.2	13.4



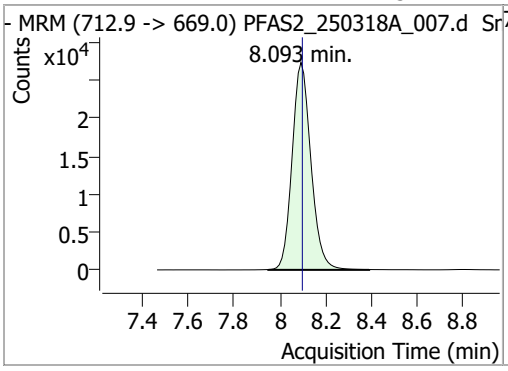
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	11.7482	7.80	0.00	267854	632.9 -> 452.9	34.7	23.0	42.7

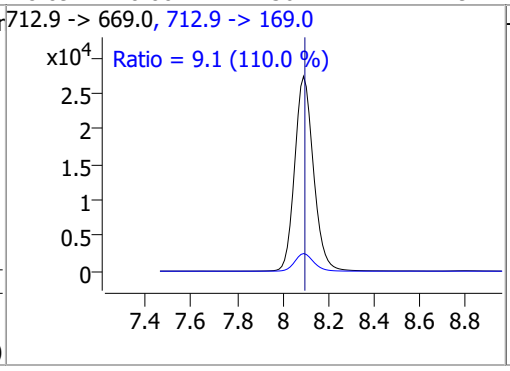


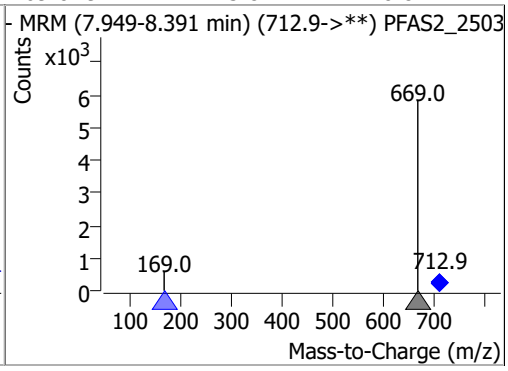
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2818	8.09	0.00	49082				



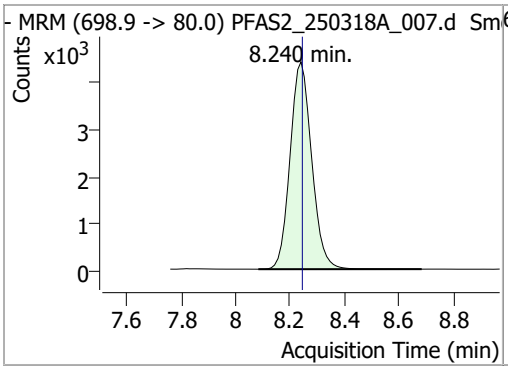
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	5.2114	8.09	0.00	156424	712.9 -> 169.0	9.1	5.8	10.8

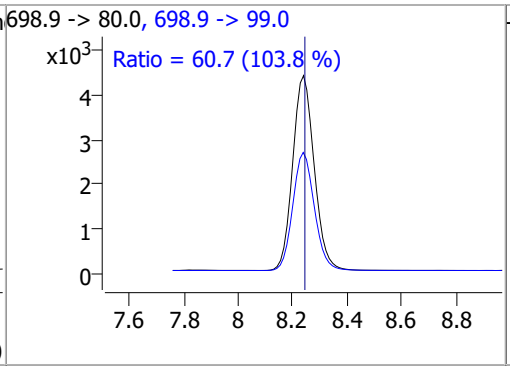


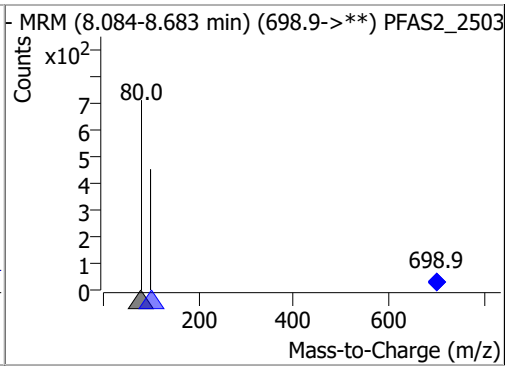




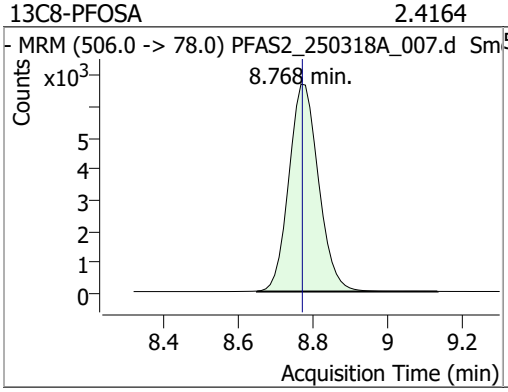
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	5.1320	8.24	0.00	24123	698.9 -> 99.0	60.7	41.0	76.1

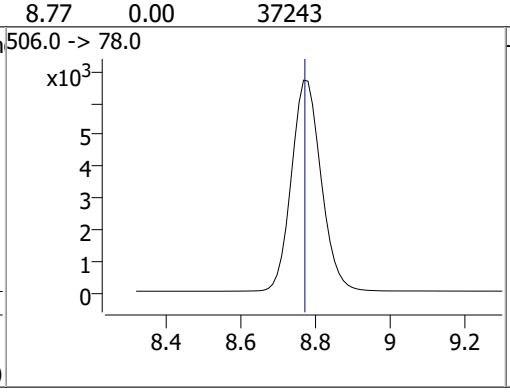


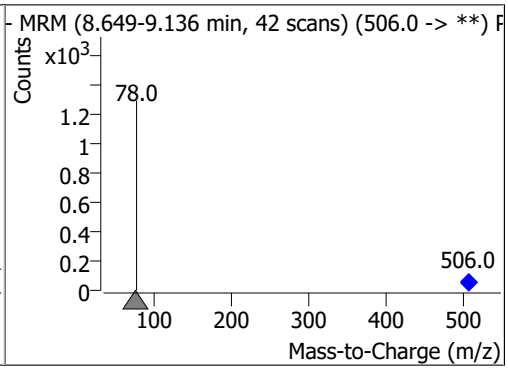




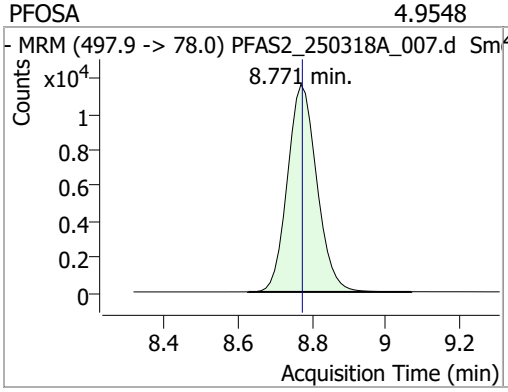
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4164	8.77	0.00	37243				

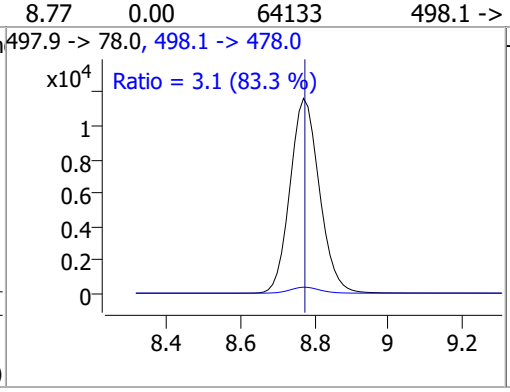


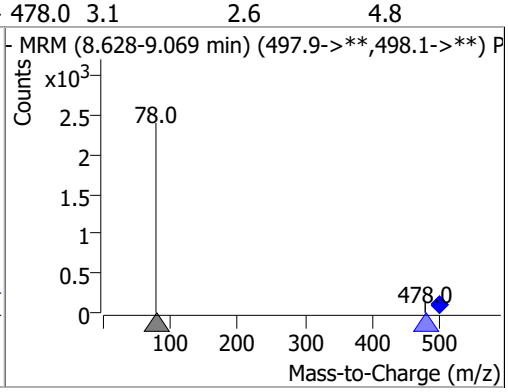




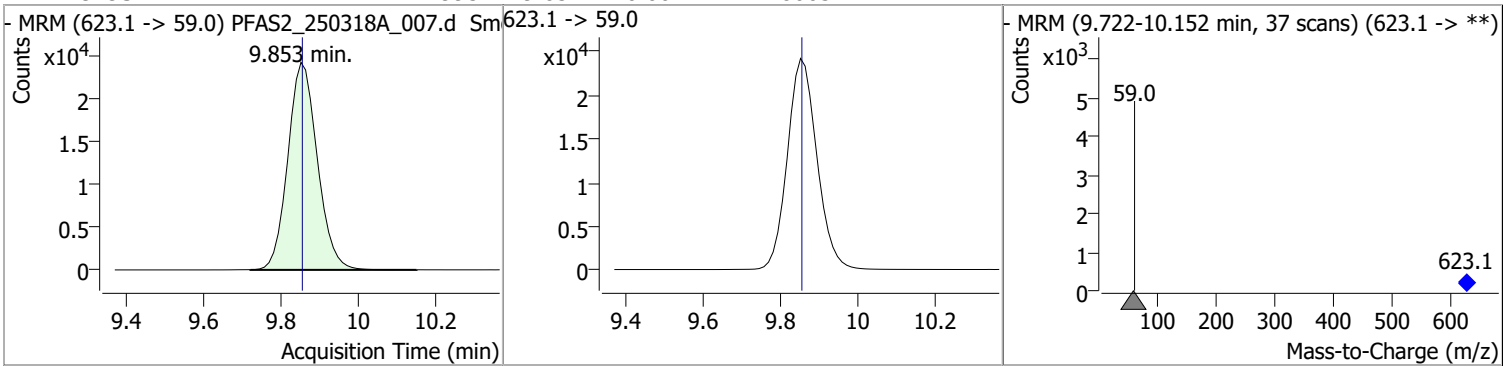
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	4.9548	8.77	0.00	64133	498.1 -> 478.0	3.1	2.6	4.8



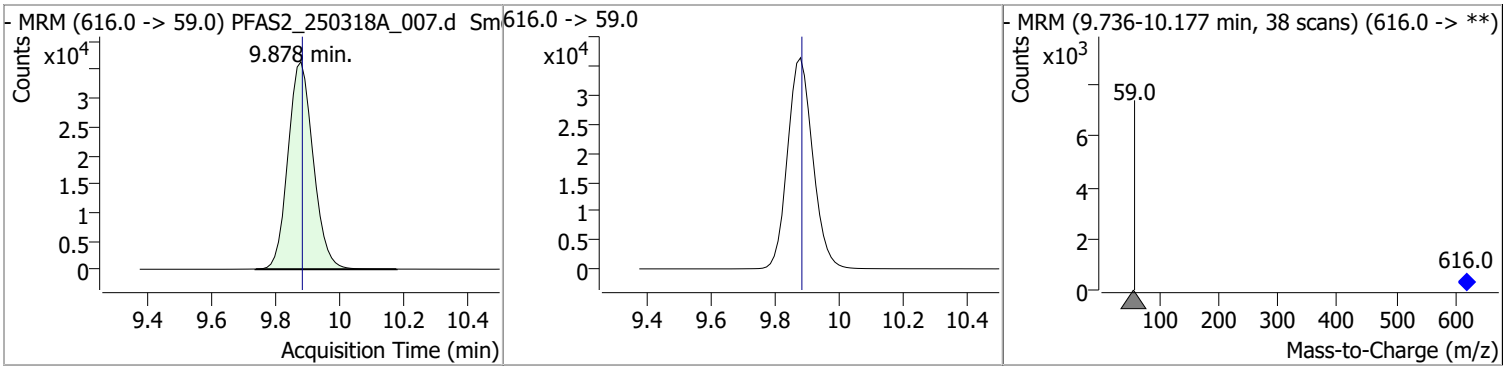




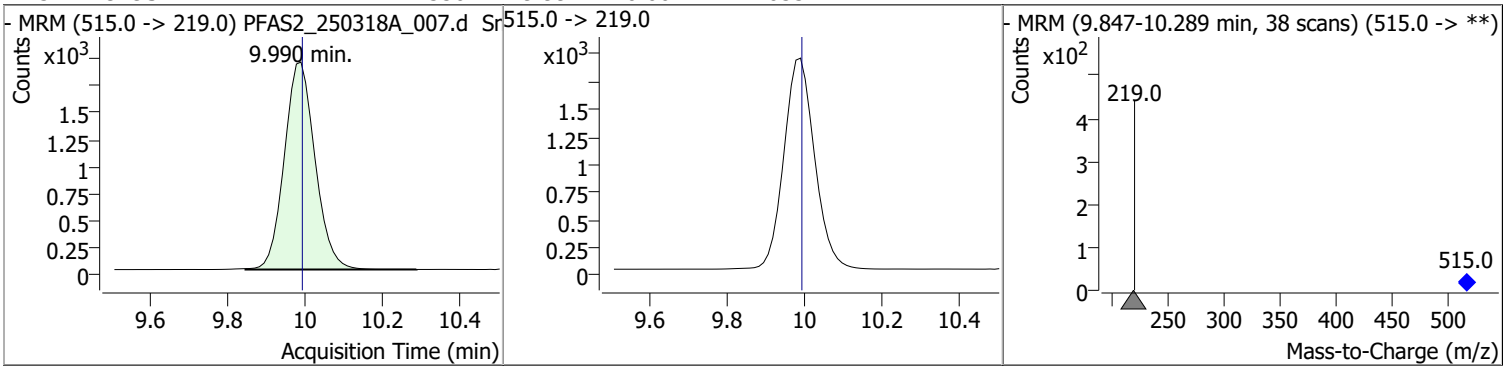
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.4995	9.85	0.00	128003				



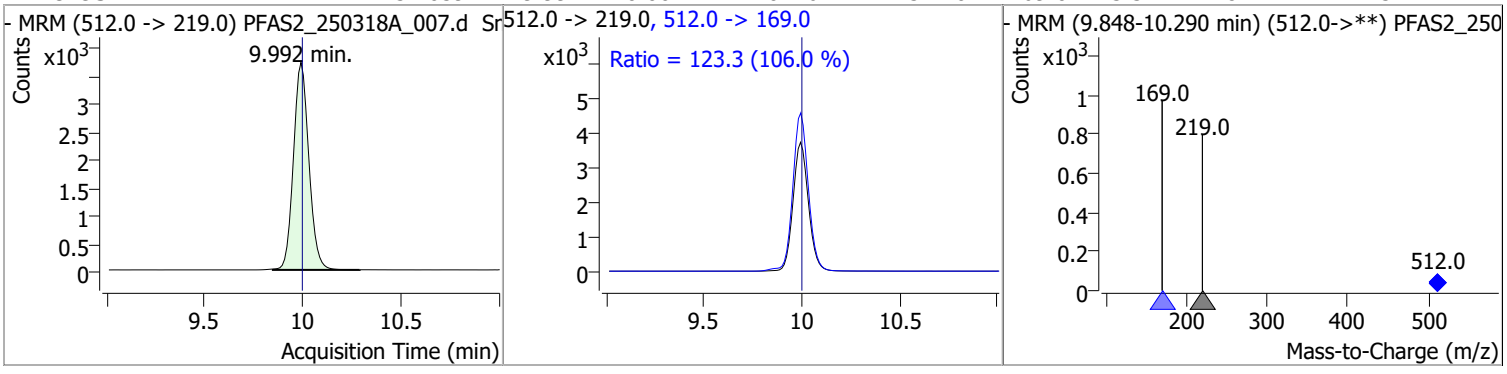
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	51.7249	9.88	0.00	198819				



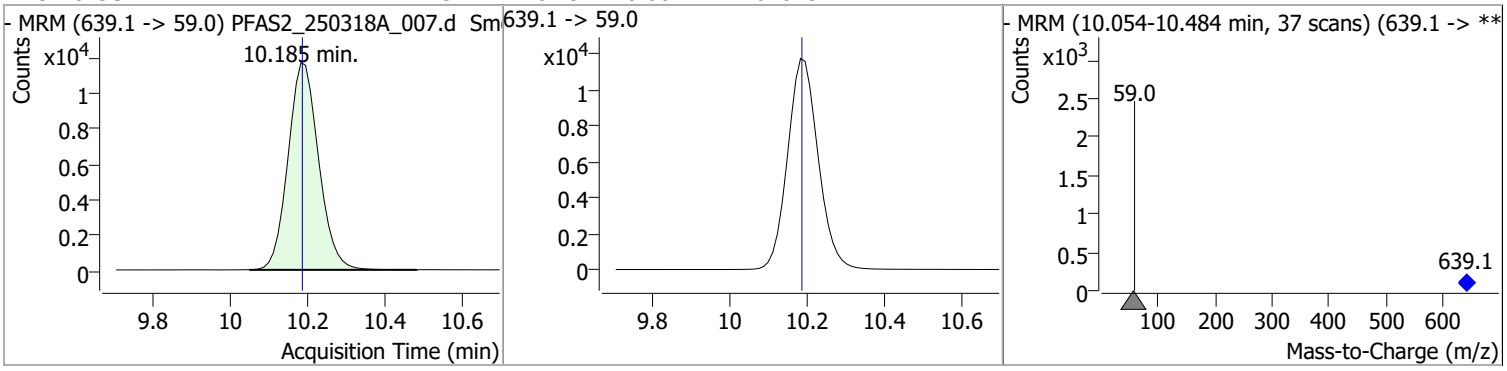
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4350	9.99	0.00	10532				



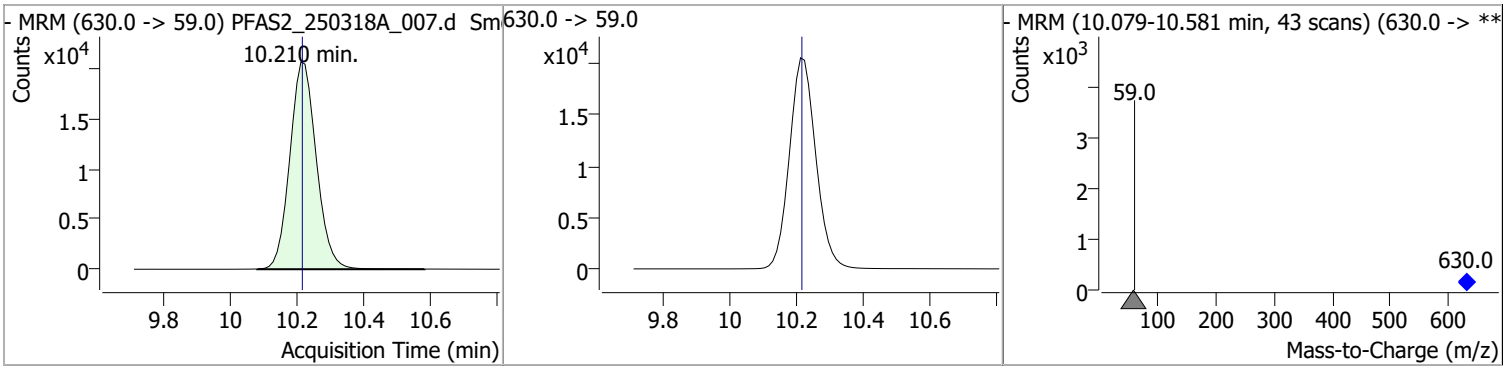
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	5.1059	9.99	0.00	20226	512.0 -> 169.0	123.3	81.4	151.2



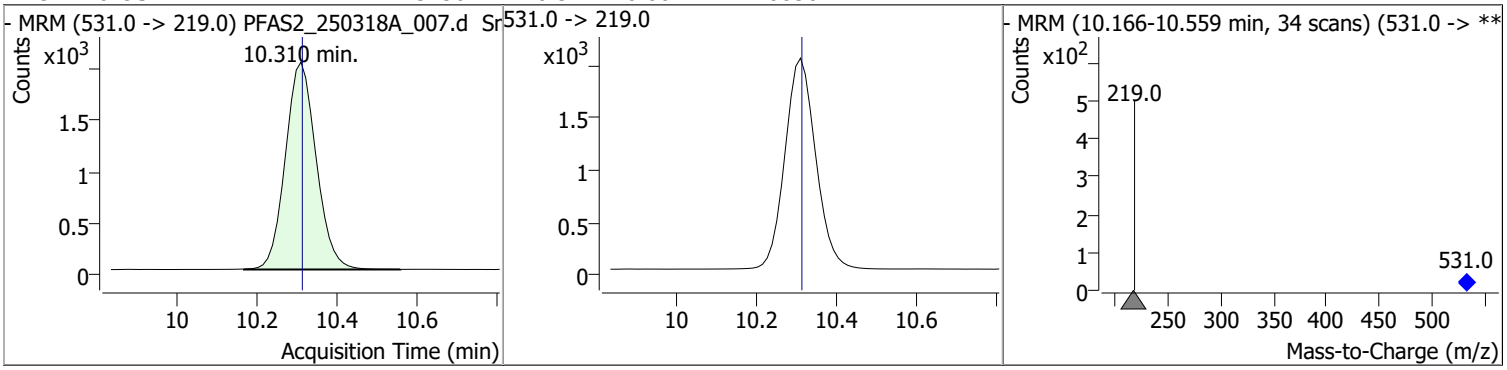
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2344	10.19	0.00	64073				



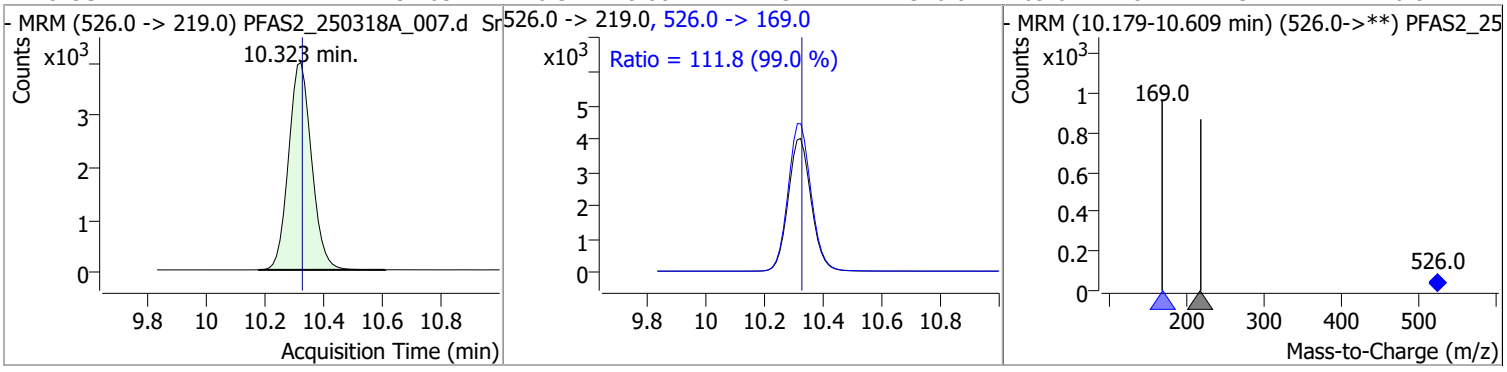
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	49.5561	10.21	0.00	113355				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3156	10.31	0.00	10830				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	5.1637	10.32	0.00	21571	526.0 -> 169.0	111.8	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_008.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:40:26 PM
Sample Name	SEQ-CAL6	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

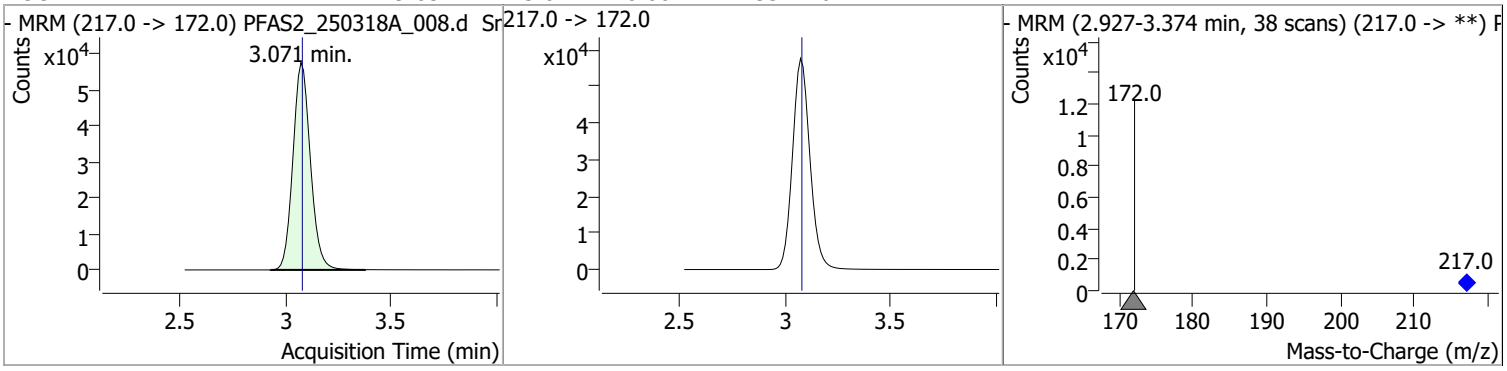
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	148036	5.0000	µg/L		8.180
13C2-PFHxA	4.890	315.0 -> 270.0	163643	2.5000	µg/L		6.660
18O2-PFHxS	5.955	403.0 -> 84.0	31564	2.5000	µg/L		6.528
13C4-PFOA	5.823	417.0 -> 172.0	16039	2.5000	µg/L		3.828
13C5-PFNA	6.226	468.0 -> 423.0	75888	1.2500	µg/L		6.626
13C2-PFDA	6.615	515.0 -> 470.0	72539	1.2500	µg/L		8.468
13C4-PFOS	6.783	503.0 -> 80.0	27120	2.5000	µg/L		8.876
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	331416	10.0000	µg/L		6.623
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.52%			
13C5-PFPeA	4.222	268.0 -> 223.0	219647	5.0000	µg/L		6.152
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.53%			
13C5-PFPeA	4.222	268.0 -> 223.0	219647	5.0000	µg/L		6.152
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.53%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25331	5.0000	µg/L		0.264
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.50%			
13C5-PFHxA	4.889	318.0 -> 273.0	178122	2.5000	µg/L		5.495
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	178122	2.5000	µg/L		5.495
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.89%			
13C3-PFBS	4.929	302.0 -> 80.0	64773	2.5000	µg/L		6.669
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.24%			
13C3-PFBS	4.929	302.0 -> 80.0	64773	2.5000	µg/L		6.669
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.24%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	187998	10.0000	µg/L		7.569
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.85%			
13C4-PFHpA	5.397	367.0 -> 322.0	197946	2.5000	µg/L		4.796
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.28%			
13C3-PFHxS	5.956	402.0 -> 80.0	36963	2.5000	µg/L		5.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.31%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15034	5.0000	µg/L		1.796
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.66%			
13C8-PFOA	5.823	421.0 -> 376.0	181304	2.5000	µg/L		4.958
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.11%			
13C3-PFHxS	5.956	402.0 -> 80.0	36963	2.5000	µg/L		5.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.31%			
13C9-PFNA	6.225	472.0 -> 427.0	76712	1.2500	µg/L		8.867
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.06%			
13C8-PFOS	6.782	507.0 -> 80.0	26935	2.5000	µg/L		6.531
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.88%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	12558	5.0000	µg/L	#	6.013
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.39%			
13C6-PFDA	6.615	519.0 -> 474.0	72496	1.2500	µg/L		6.674
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.25%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	60082	5.0000	µg/L		7.638

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.75%		
13C8-PFOS	6.782	507.0 -> 80.0	26935	2.5000	µg/L	6.531
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.88%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46224	5.0000	µg/L	9.614
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.63%		
13C7-PFUnDA	7.002	570.0 -> 525.0	56943	1.2500	µg/L	6.232
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.92%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	46370	1.2500	µg/L	5.112
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.75%		
13C2-PFDoDA	7.367	615.0 -> 570.0	44259	1.2500	µg/L	10.800
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.16%		
13C2-PFTDA	8.092	715.0 -> 670.0	48481	1.2500	µg/L	0.406
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 92.28%		
13C8-PFOSA	8.768	506.0 -> 78.0	38429	2.5000	µg/L	3.971
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.30%		
2H7-MeFOSE	9.853	623.1 -> 59.0	133645	25.0000	µg/L	6.368
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.77%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10805	2.5000	µg/L	4.200
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.48%		
2H9-EtFOSE	10.185	639.1 -> 59.0	65864	25.0000	µg/L	3.708
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 95.22%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11896	2.5000	µg/L	5.839
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.22%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1132566	39.0030	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.51%		
PFMPA	3.614	229.0 -> 85.0	409009	19.3295	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.65%		
3-3 FTCA	3.778	241.0 -> 177.0	29306	39.0979	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.74%		
PFPeA	4.223	263.0 -> 219.0	787501	19.3708	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.85%		
PFMBA	4.453	279.0 -> 85.0	585970	19.0066	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.03%		
4-2 FTSA	4.698	327.0 -> 307.0	589635	38.2993	µg/L	99
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 102.13%		
NFDHA	4.823	295.0 -> 201.0	24477	18.6844	µg/L	96
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 93.42%		
PFHxA	4.892	313.0 -> 269.0	620228	9.7309	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.31%		
PFBS	4.918	298.9 -> 80.0	238119	8.8596	µg/L	92
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 99.88%		
HFPO-DA	5.087	285.0 -> 169.0	342903	20.5584	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.79%		
PFEESA	5.201	314.9 -> 135.0	1543755	17.5368	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 98.52%		
PFHpA	5.398	363.0 -> 319.0	737166	9.6409	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%		
5-3 FTCA	5.447	341.0 -> 237.0	991085	196.8126	µg/L	95
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 98.41%		
PFPeS	5.494	348.9 -> 80.0	196640	9.8528	µg/L	91
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 104.71%		
DONA	5.551	377.0 -> 251.0	1954979	17.6423	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 93.35%		

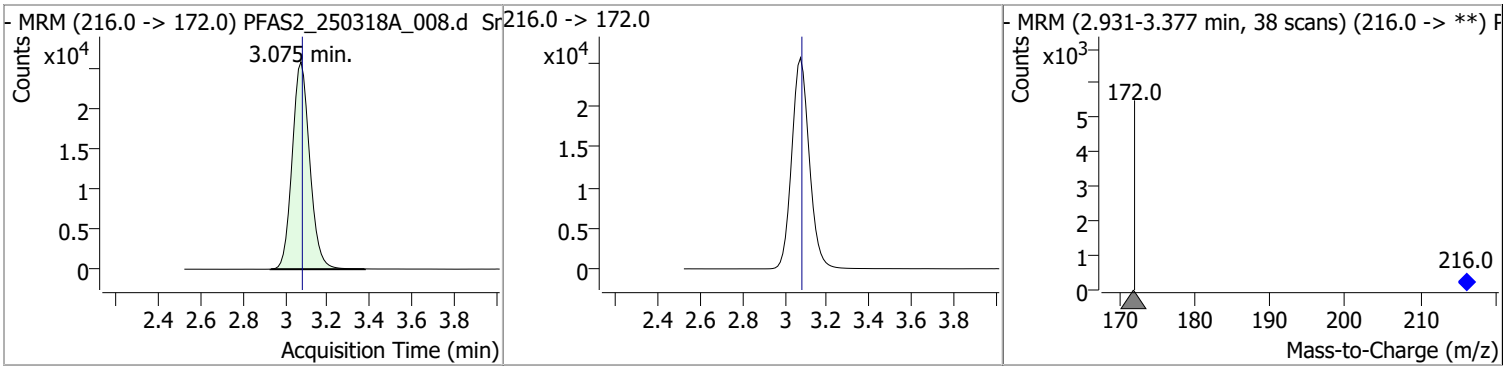
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	392997	37.9281	µg/L		89
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 99.81%			
PFOA	5.824	413.0 -> 369.0	681136	9.5063	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.06%			
PFHxS	5.957	398.9 -> 80.0	133710	9.3003	µg/L		90
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 101.75%			
PFNA	6.226	463.0 -> 419.0	577110	9.6422	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.42%			
PFHpS	6.382	448.9 -> 80.0	106354	9.4931	µg/L		93
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 99.61%			
8-2 FTSA	6.436	527.0 -> 507.0	210664	38.0416	µg/L	#	72
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 99.07%			
7-3 FTCA	6.597	441.0 -> 317.0	744466	193.6339	µg/L		91
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 96.82%			
PFDA	6.615	513.0 -> 469.0	513748	9.5843	µg/L	#	90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.84%			
N-MeFOSAA	6.742	570.0 -> 419.0	102363	9.6359	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.36%			
PFOS	6.784	498.9 -> 80.0	92478	8.5504	µg/L		93
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 92.14%			
N-EtFOSAA	6.965	584.0 -> 419.0	85268	9.7587	µg/L		91
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.59%			
PFUnDA	7.003	563.0 -> 519.0	409097	9.6582	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.58%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1054503	18.2021	µg/L		91
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 97.34%			
PFNS	7.159	548.9 -> 80.0	91396	9.9471	µg/L		91
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 103.40%			
PFDoDA	7.368	613.0 -> 569.0	334616	10.3131	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.13%			
PFDS	7.537	598.9 -> 80.0	71662	10.4384	µg/L		96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 108.17%			
PFTrDA	7.736	663.0 -> 619.0	375537	10.7484	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 107.48%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	539990	21.6850	µg/L		98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 114.74%			
PFTDA	8.093	712.9 -> 669.0	309923	10.4477	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.48%			
PFDoS	8.240	698.9 -> 80.0	47004	9.7913	µg/L		96
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 100.94%			
PFOSA	8.771	497.9 -> 78.0	131754	9.8650	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.65%			
MeFOSE	9.878	616.0 -> 59.0	398454	99.6570	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.66%			
N-MeFOSA	9.992	512.0 -> 219.0	39799	9.7933	µg/L		88
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.93%			
EtFOSE	10.210	630.0 -> 59.0	229352	98.1122	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 98.11%			
N-EtFOSA	10.323	526.0 -> 219.0	47570	10.3668	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.67%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

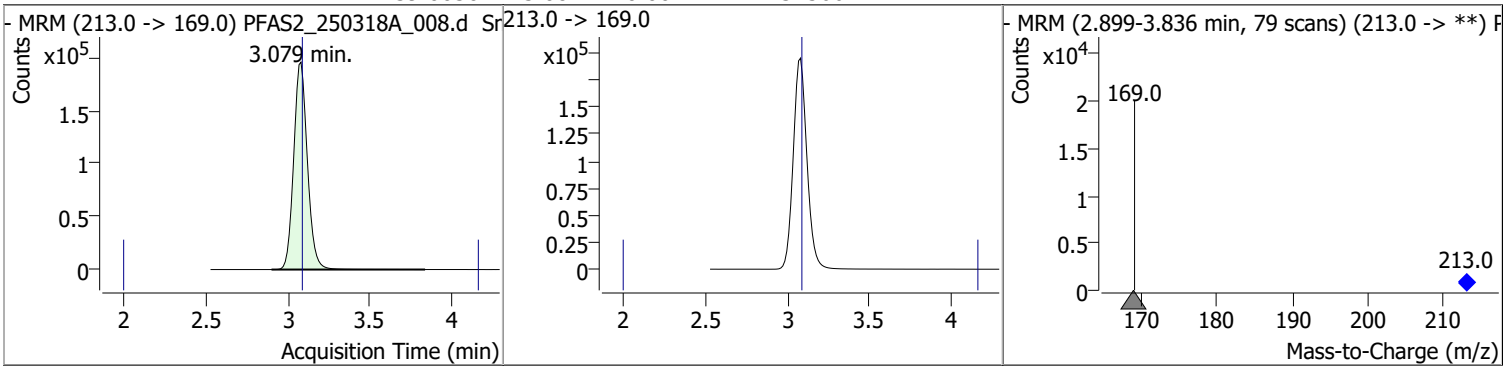
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8517	3.07	0.00	331416				



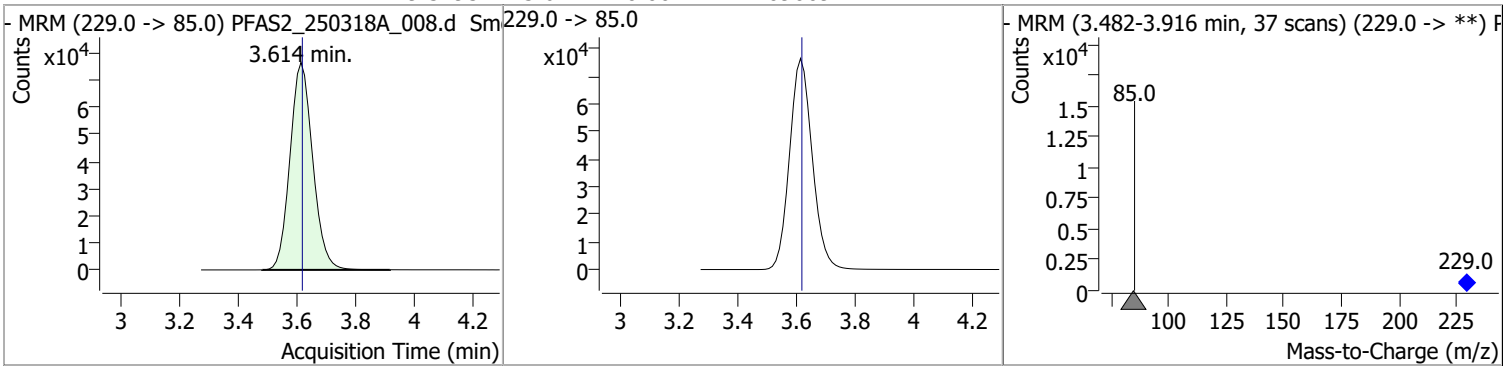
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	148036				



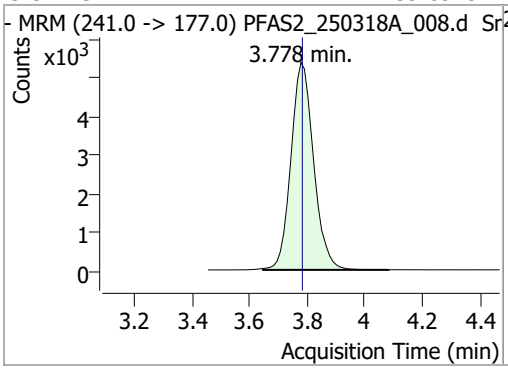
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	39.0030	3.08	0.00	1132566				

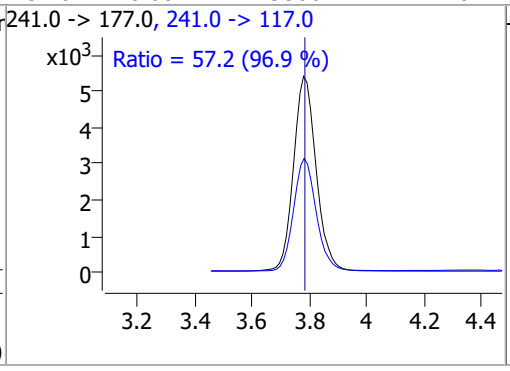


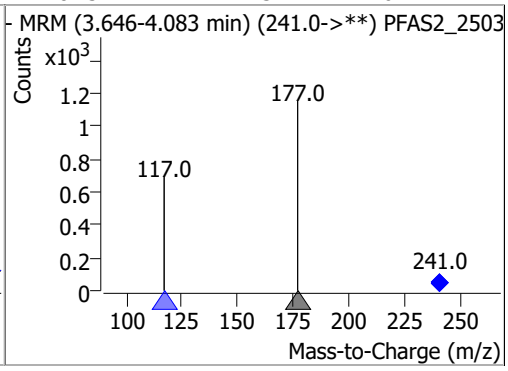
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.3295	3.61	0.00	409009				



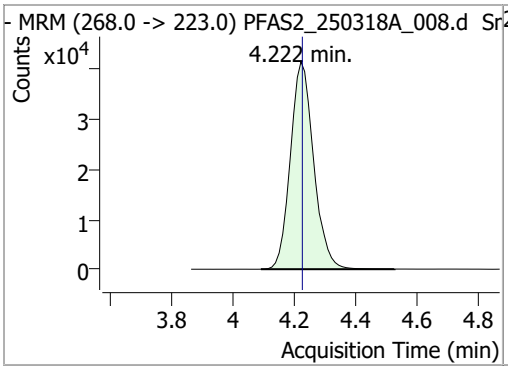
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	39.0979	3.78	0.00	29306	241.0 -> 117.0	57.2	41.3	76.7

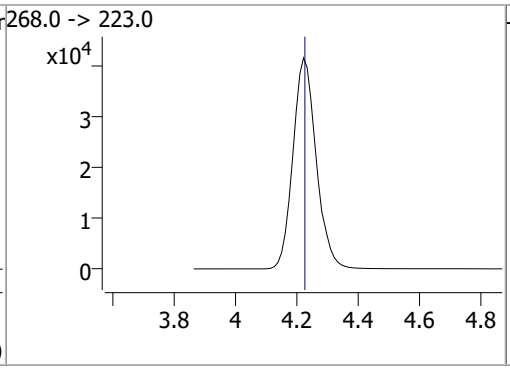


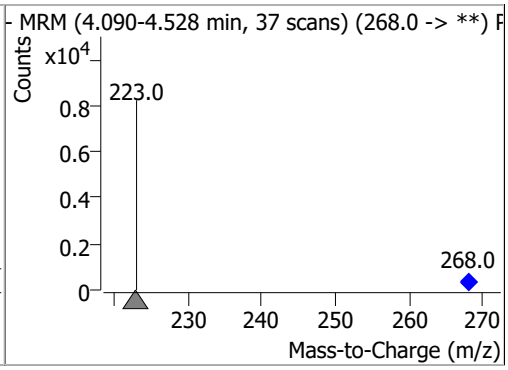




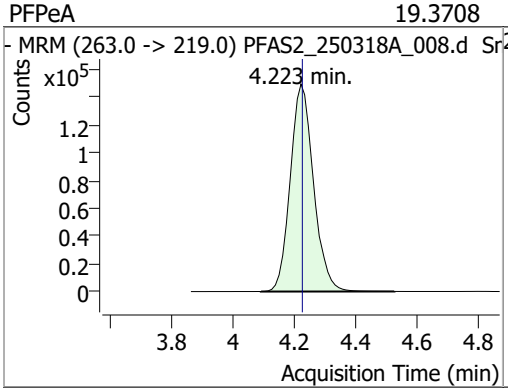
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9764	4.22	0.00	219647				

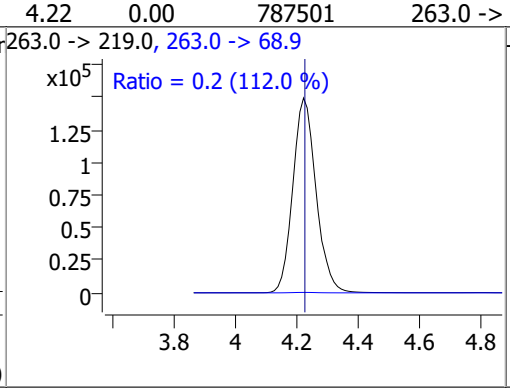


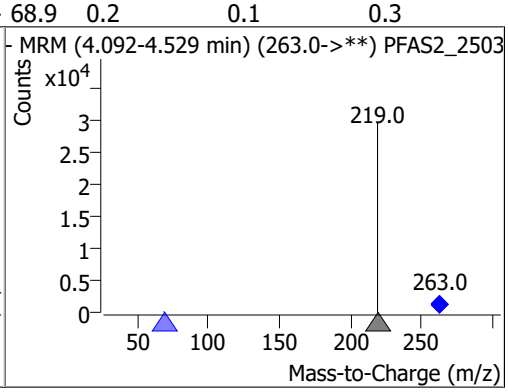




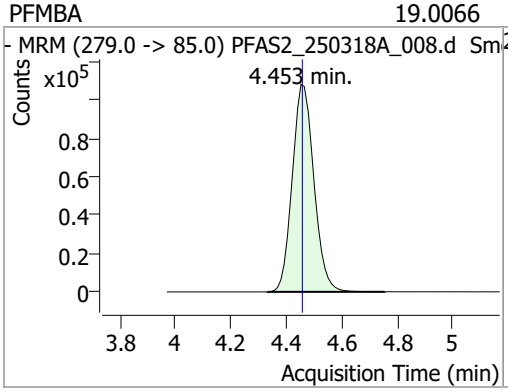
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.3708	4.22	0.00	787501	263.0 -> 68.9	0.2	0.1	0.3

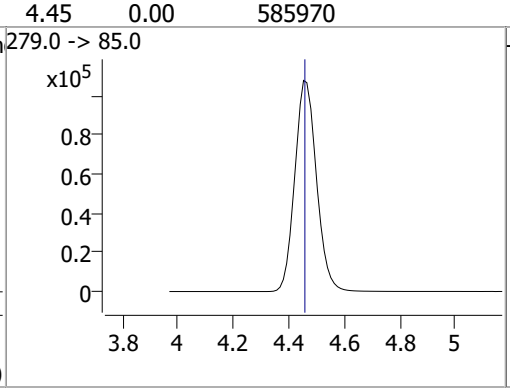


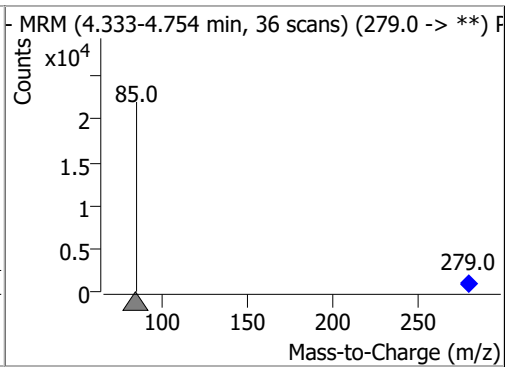




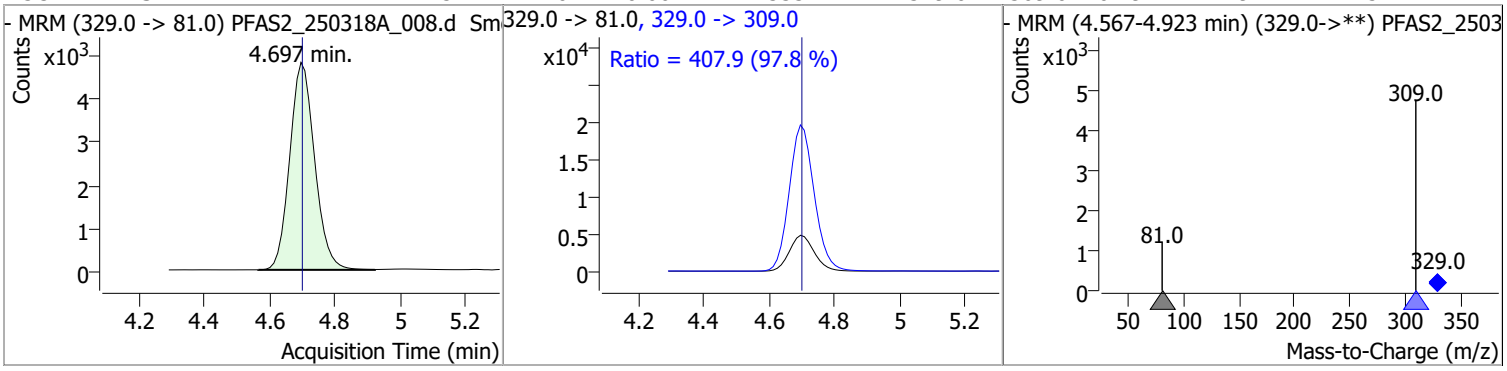
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.0066	4.45	0.00	585970				



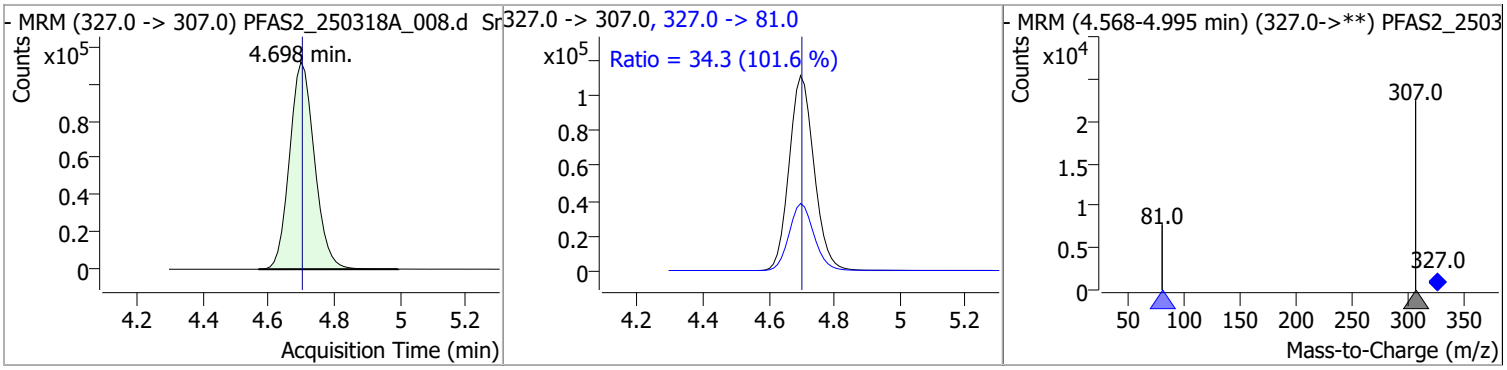




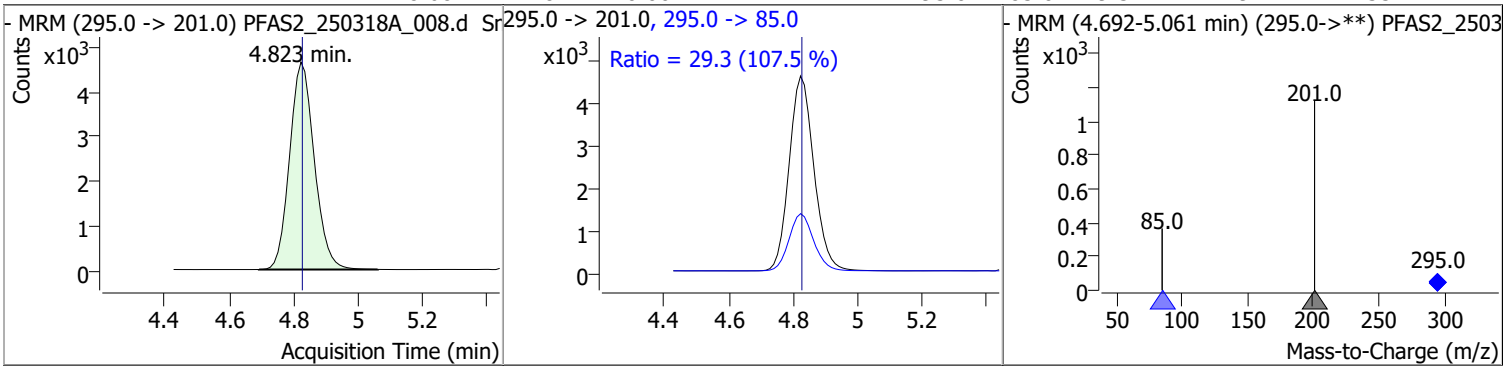
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.7251	4.70	0.00	25331	329.0 -> 309.0	407.9	292.1	542.4



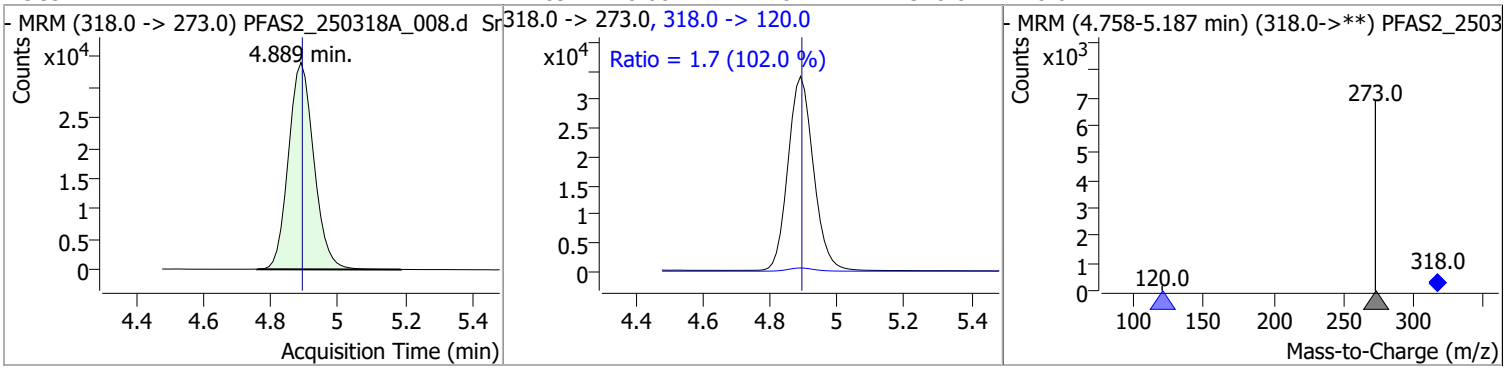
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	38.2993	4.70	0.00	589635	327.0 -> 81.0	34.3	23.6	43.9



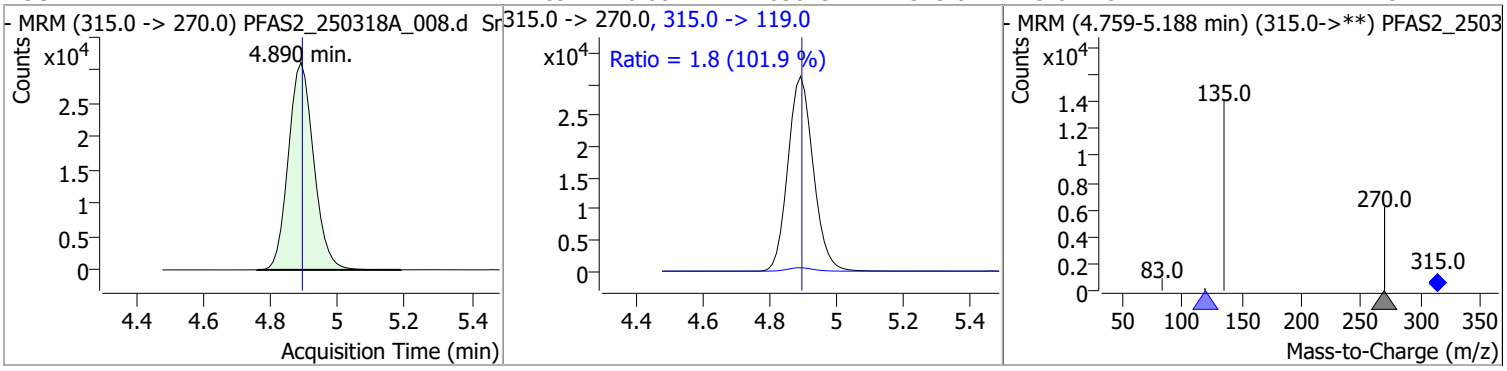
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	18.6844	4.82	0.00	24477	295.0 -> 85.0	29.3	19.1	35.4



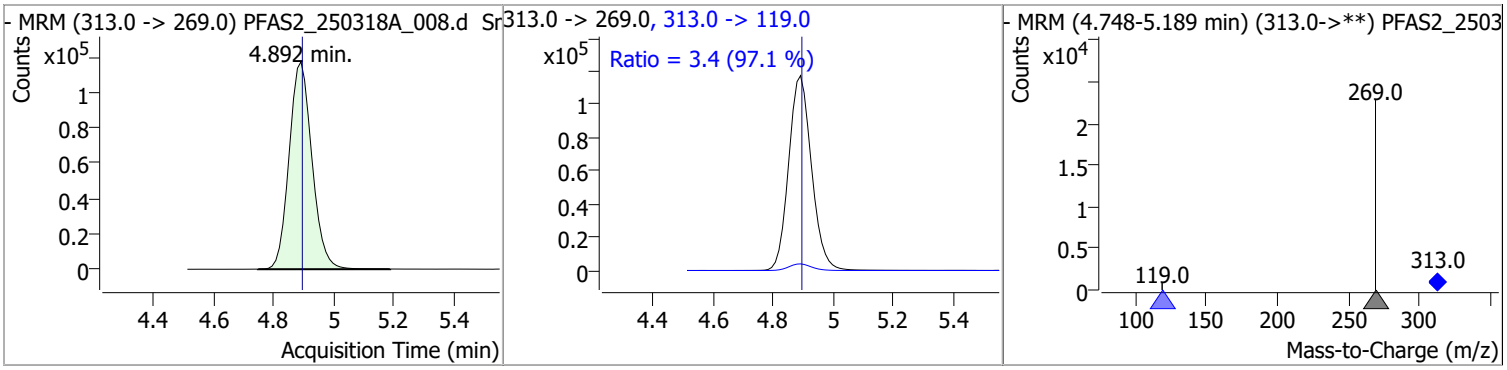
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4721	4.89	0.00	178122	318.0 -> 120.0	1.7	1.1	2.1



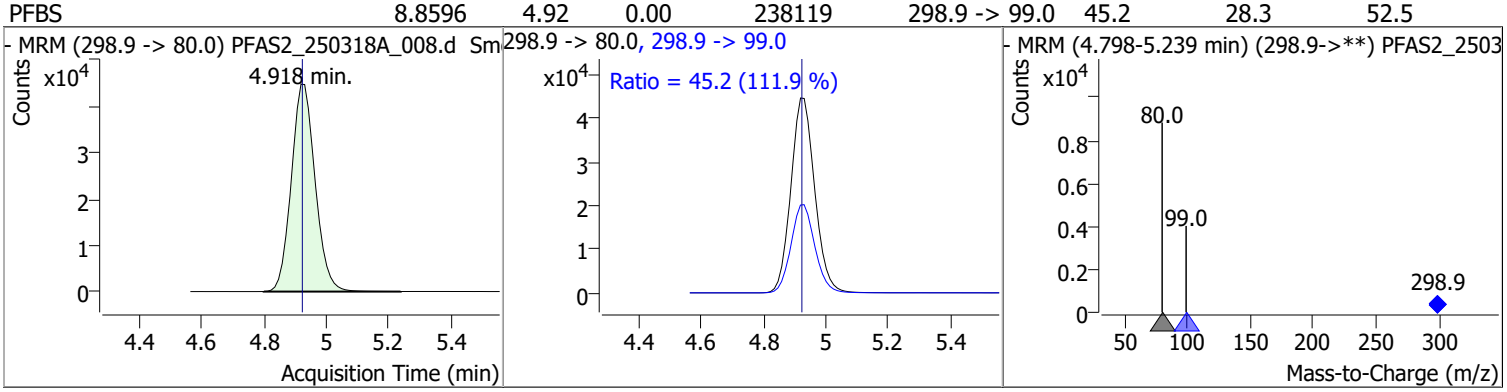
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	163643	315.0 -> 119.0	1.8	1.2	2.3



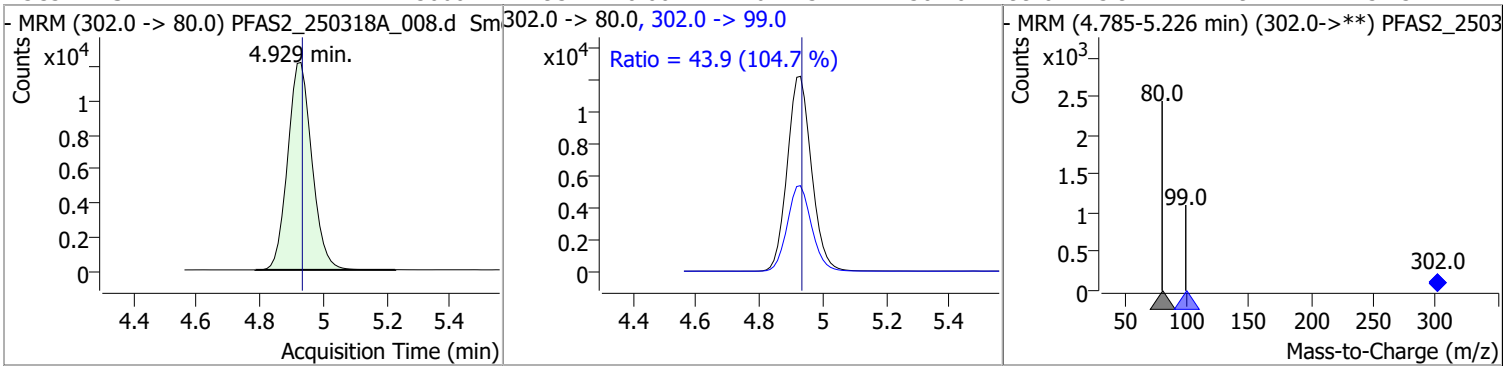
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.7309	4.89	0.00	620228	313.0 -> 119.0	3.4	2.4	4.5



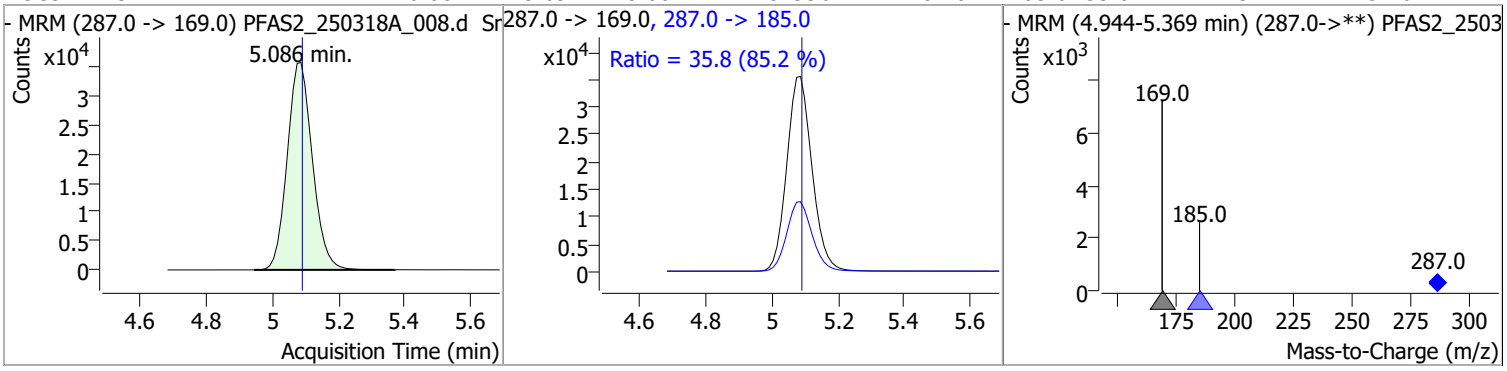
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.8596	4.92	0.00	238119	298.9 -> 99.0	45.2	28.3	52.5



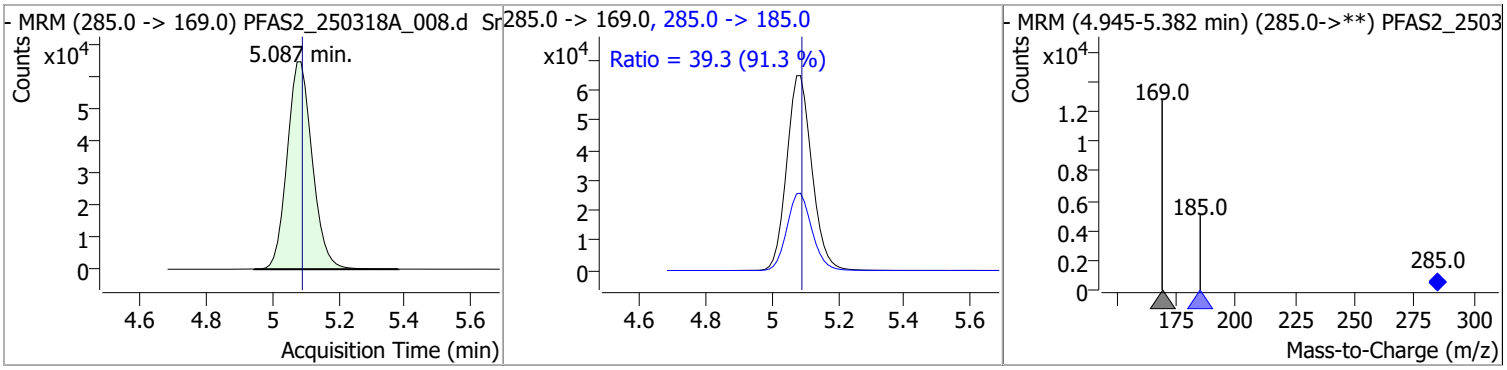
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5060	4.93	0.00	64773	302.0 -> 99.0	43.9	29.4	54.5



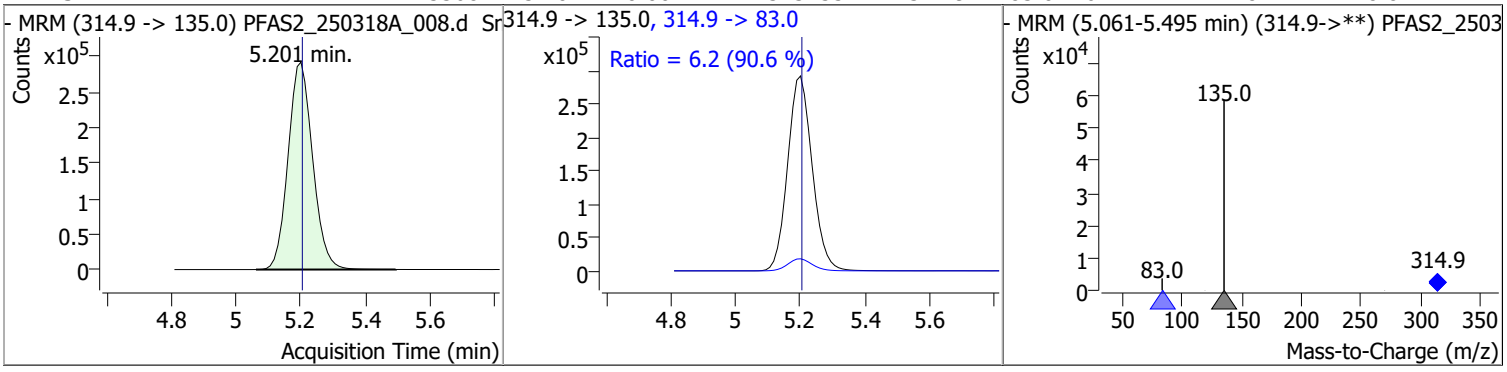
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0847	5.09	0.00	187998	287.0 -> 185.0	35.8	29.4	54.6



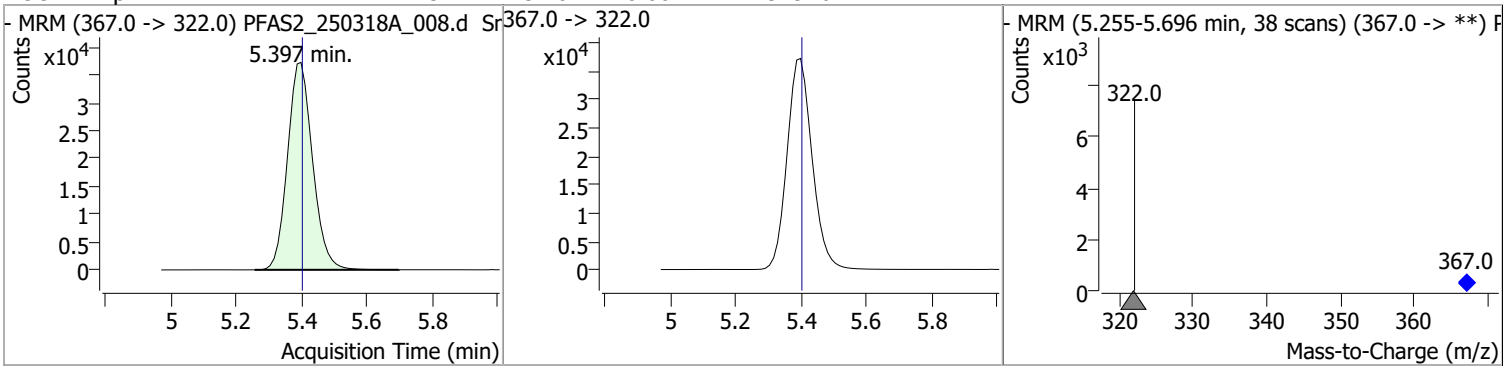
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	20.5584	5.09	0.00	342903	285.0 -> 185.0	39.3	30.1	56.0



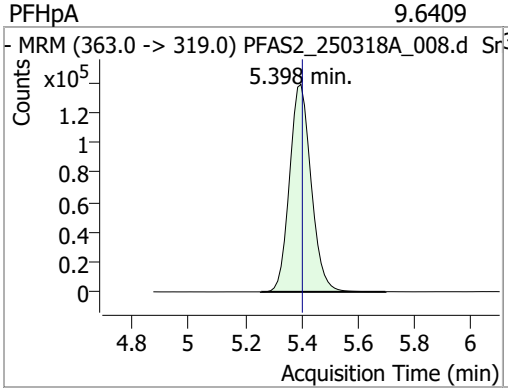
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.5368	5.20	0.00	1543755	314.9 -> 83.0	6.2	4.8	8.8

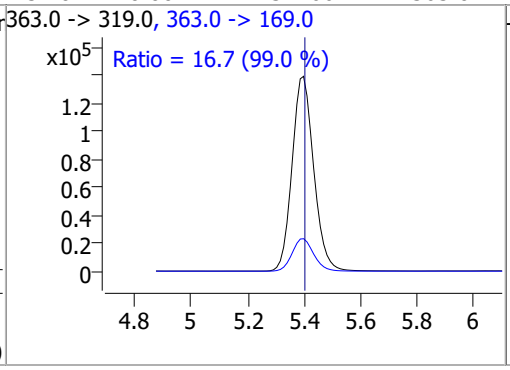


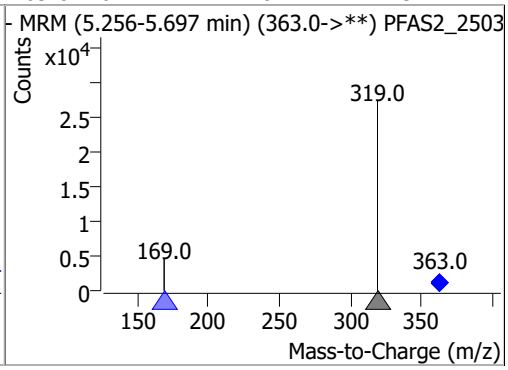
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4571	5.40	0.00	197946				



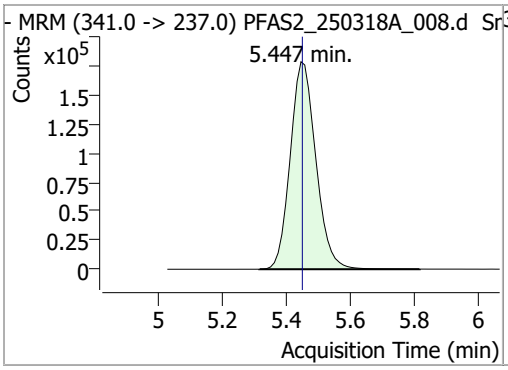
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6409	5.40	0.00	737166	363.0 -> 169.0	16.7	11.8	21.9

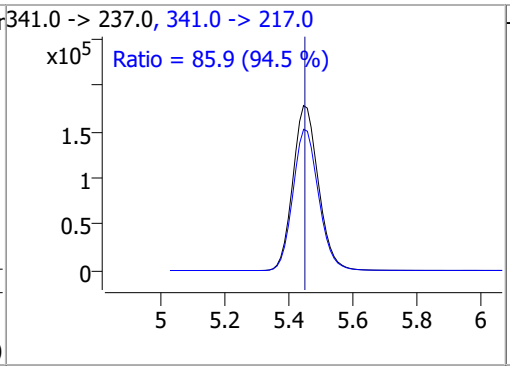


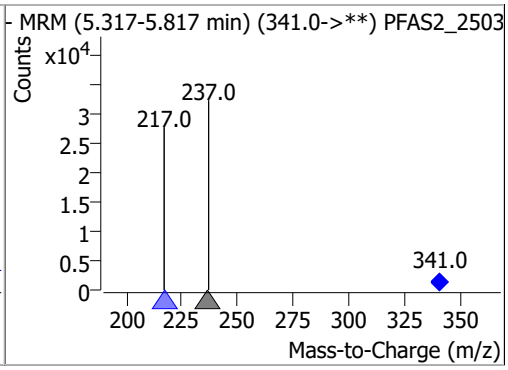




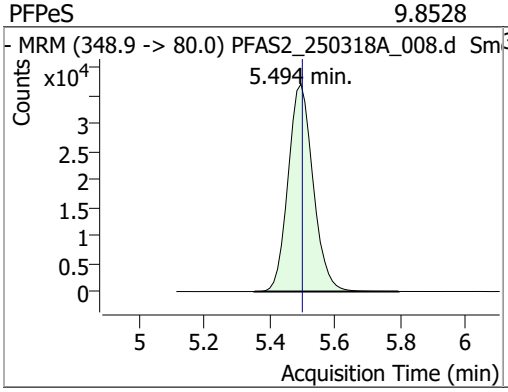
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	196.8126	5.45	0.00	991085	341.0 -> 217.0	85.9	63.6	118.1

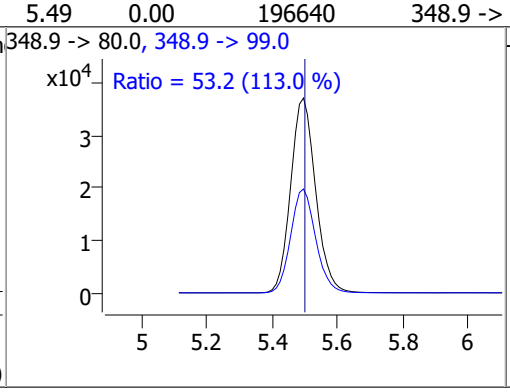


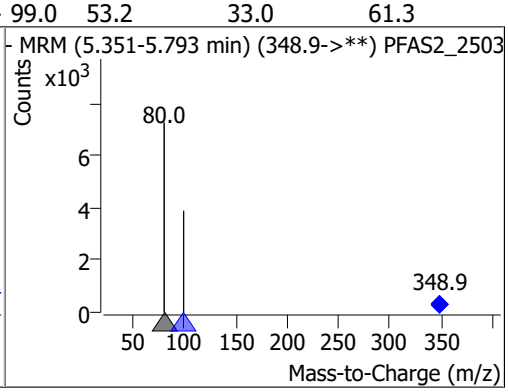




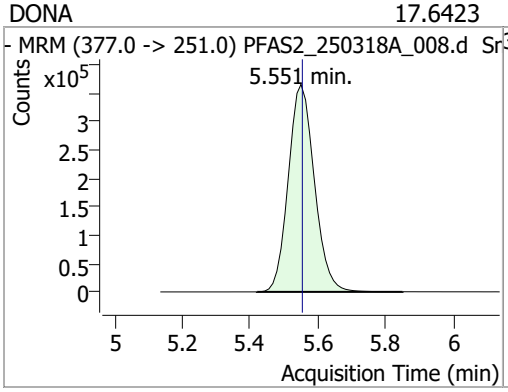
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.8528	5.49	0.00	196640	348.9 -> 99.0	53.2	33.0	61.3

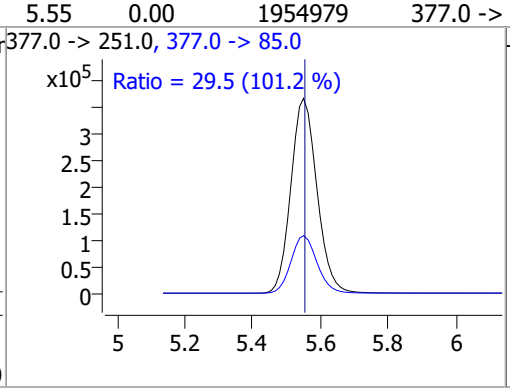


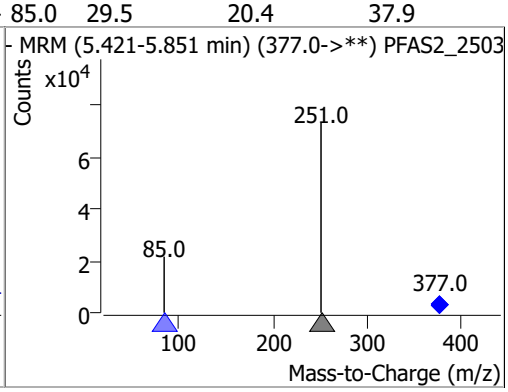




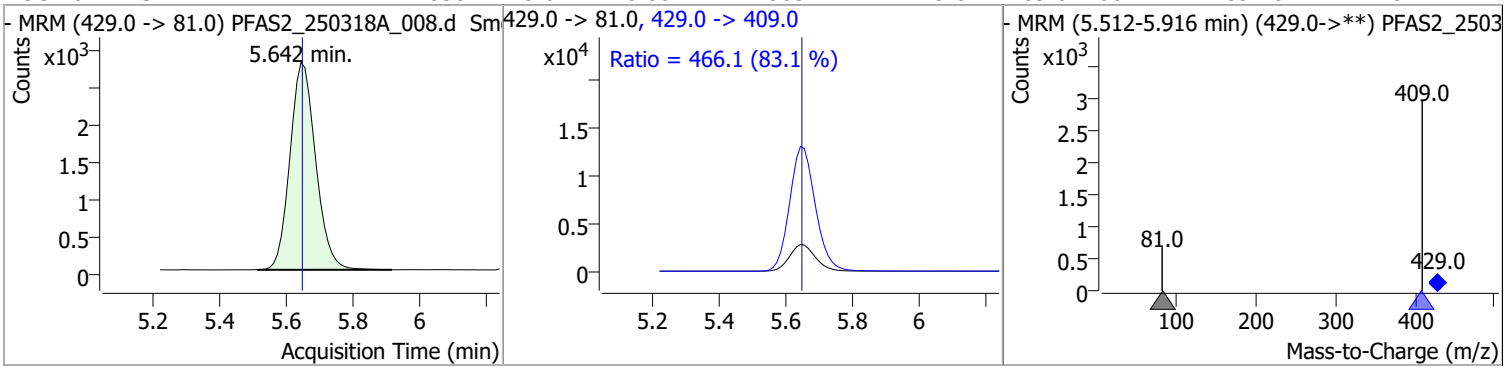
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	17.6423	5.55	0.00	1954979	377.0 -> 85.0	29.5	20.4	37.9



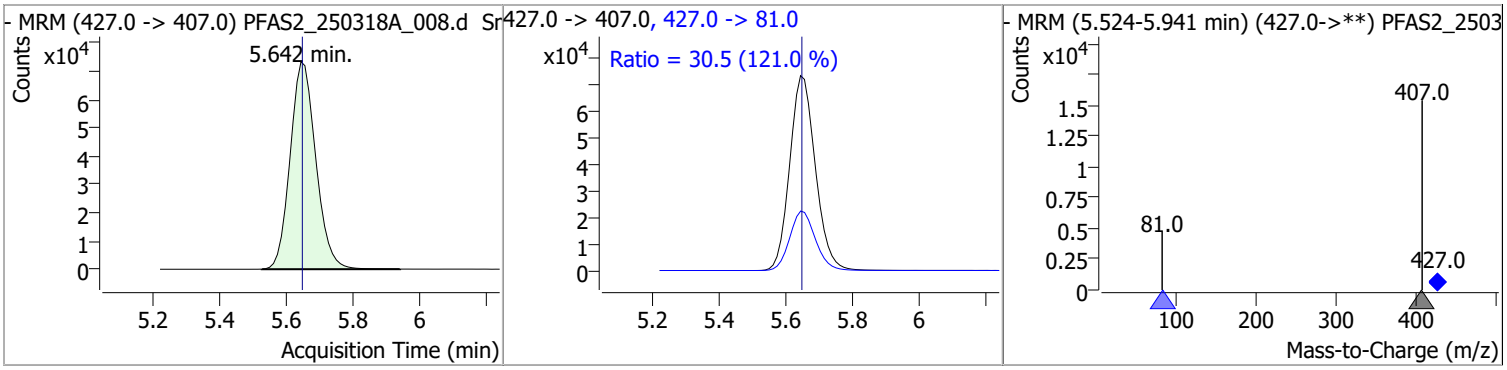




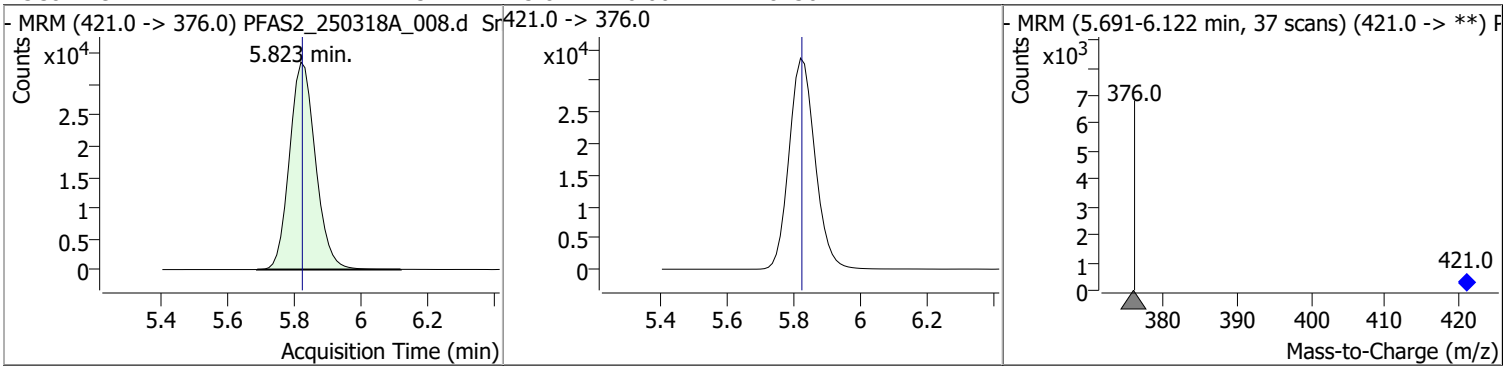
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7830	5.64	0.00	15034	429.0 -> 409.0	466.1	392.8	729.4



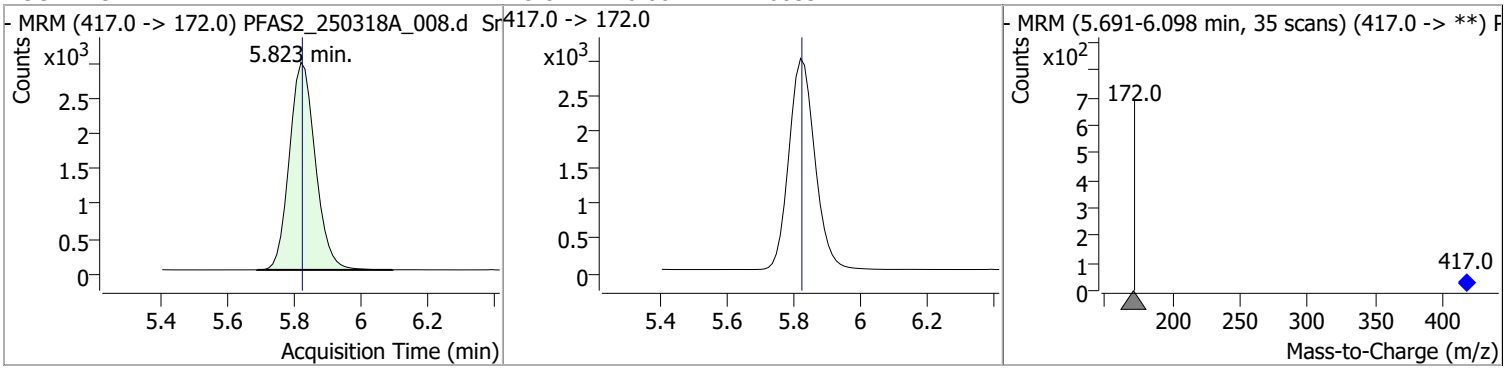
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.9281	5.64	0.00	392997	427.0 -> 81.0	30.5	17.7	32.8



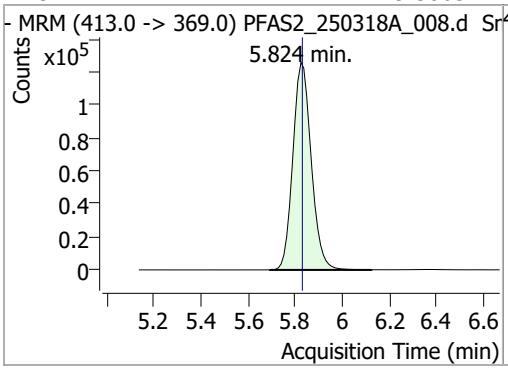
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5277	5.82	0.00	181304				

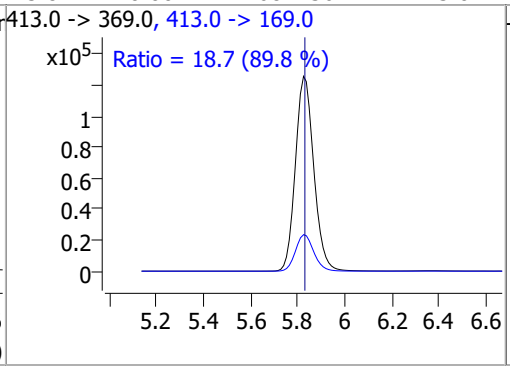


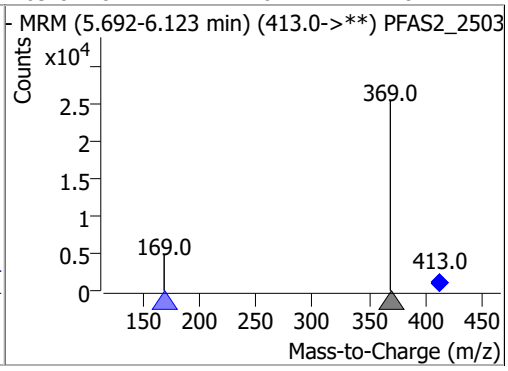
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16039				



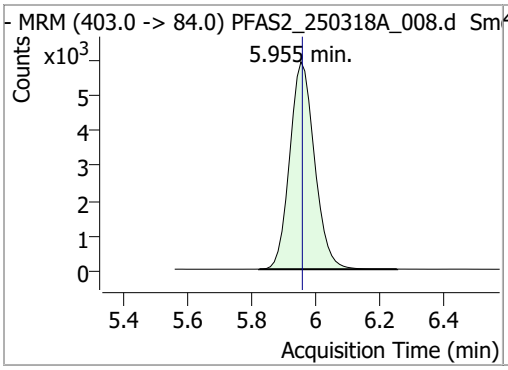
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.5063	5.82	0.00	681136	413.0 -> 169.0	18.7	14.6	27.0

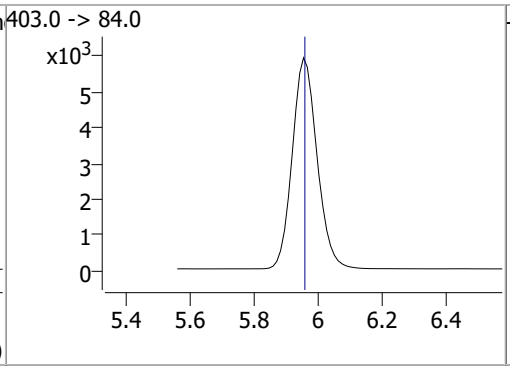


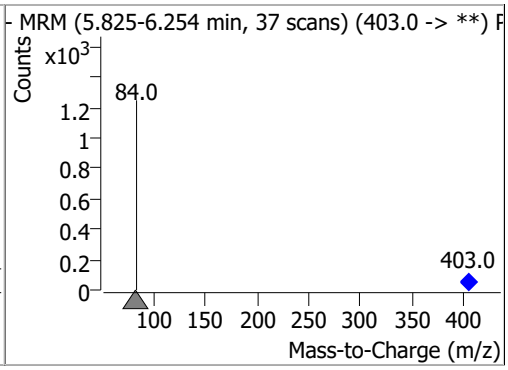




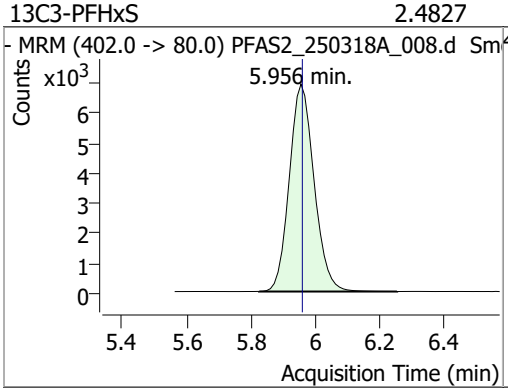
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	31564				

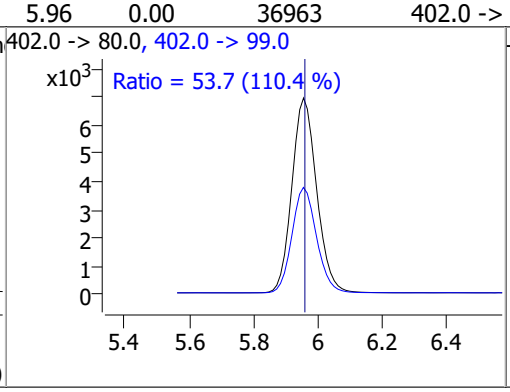


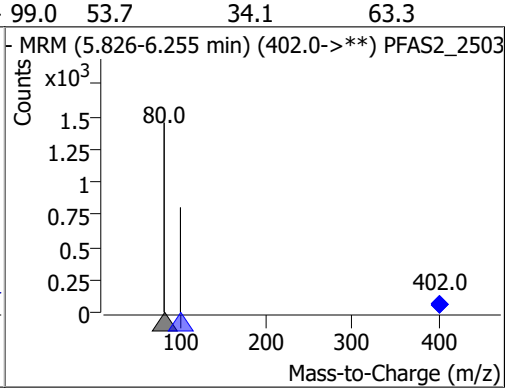




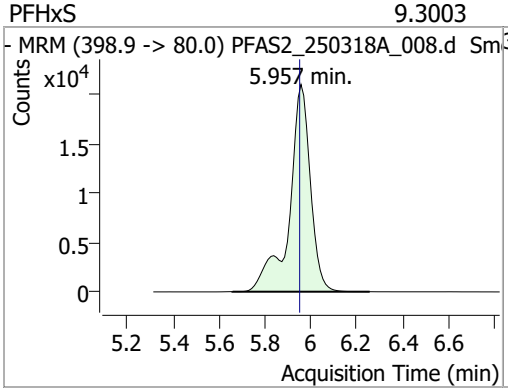
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4827	5.96	0.00	36963	402.0 -> 99.0	53.7	34.1	63.3

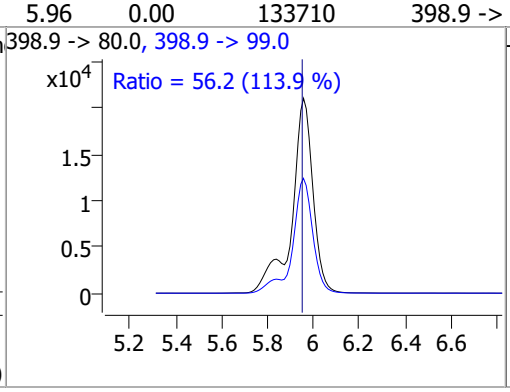


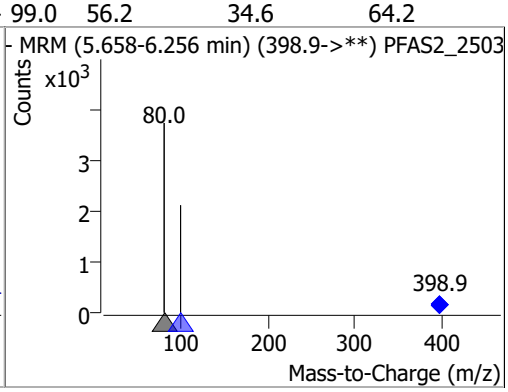




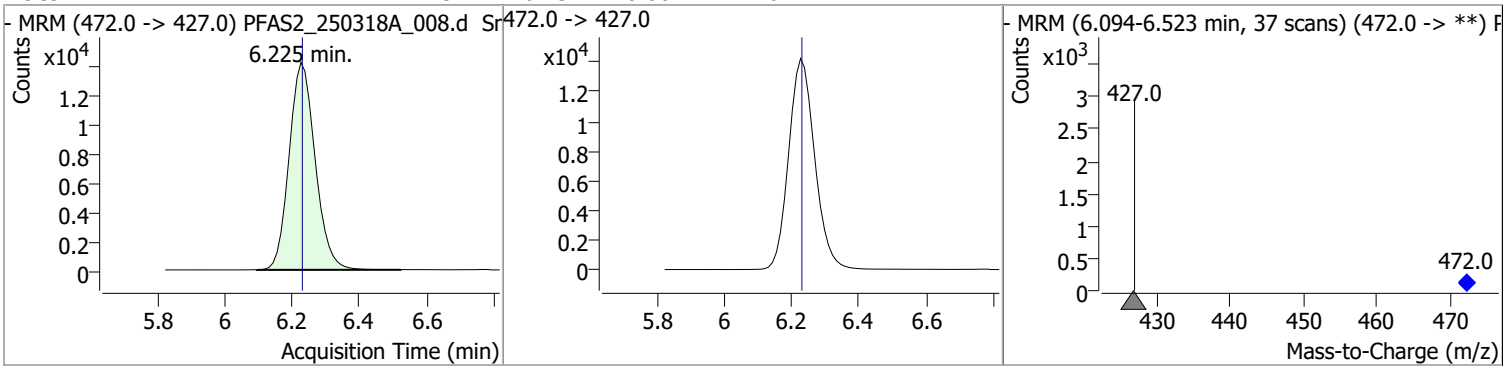
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3003	5.96	0.00	133710	398.9 -> 99.0	56.2	34.6	64.2



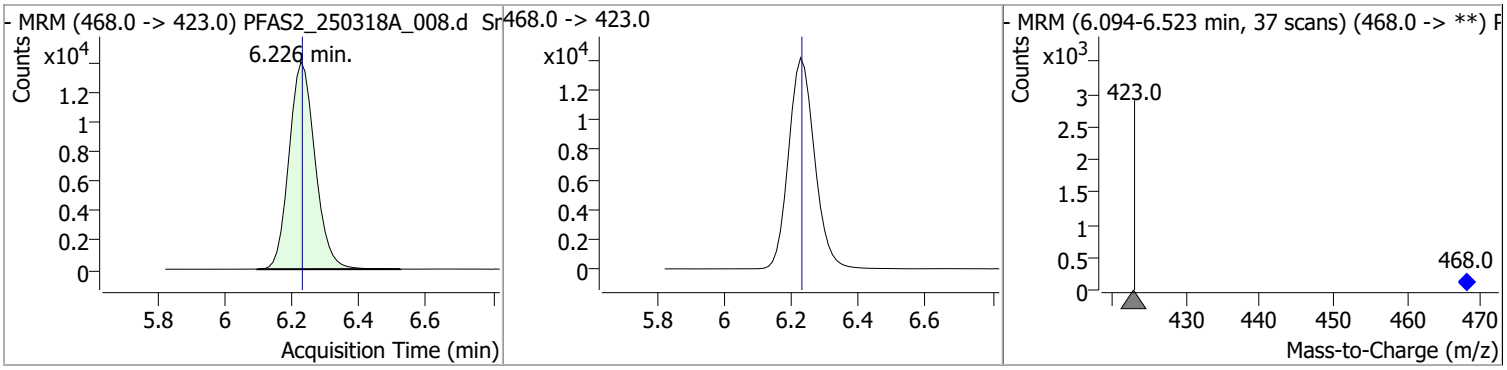




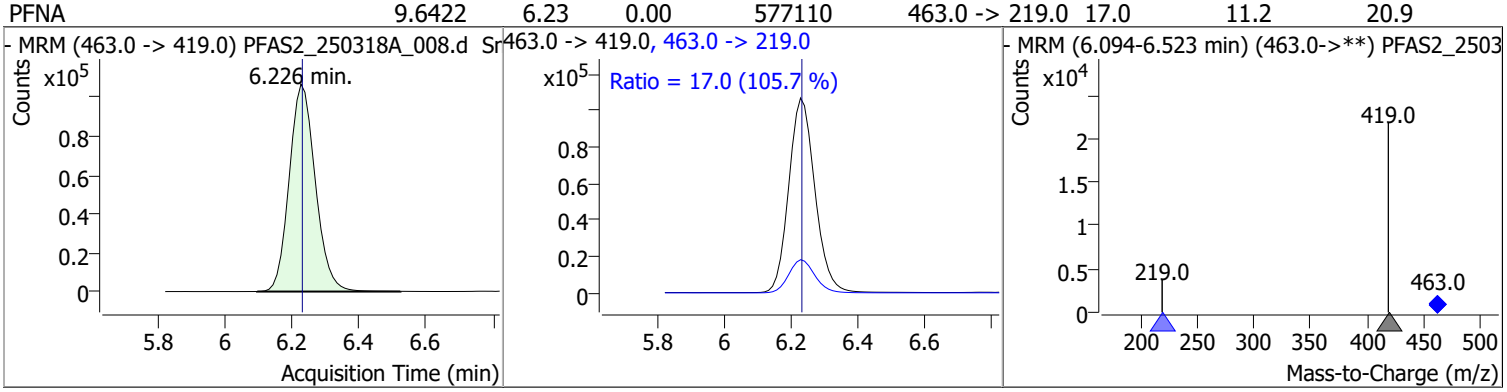
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2757	6.23	0.00	76712				



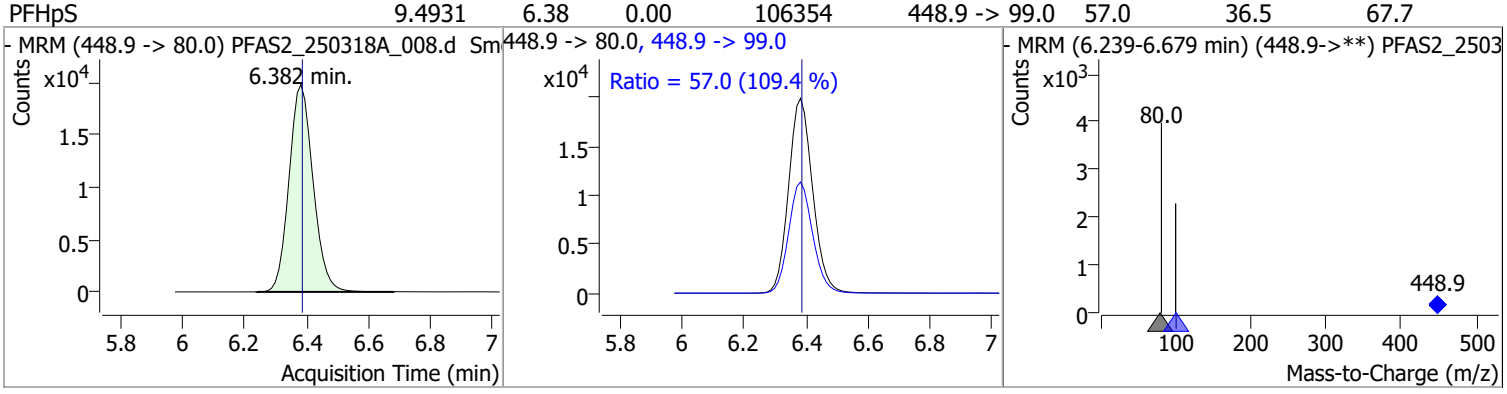
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	75888				



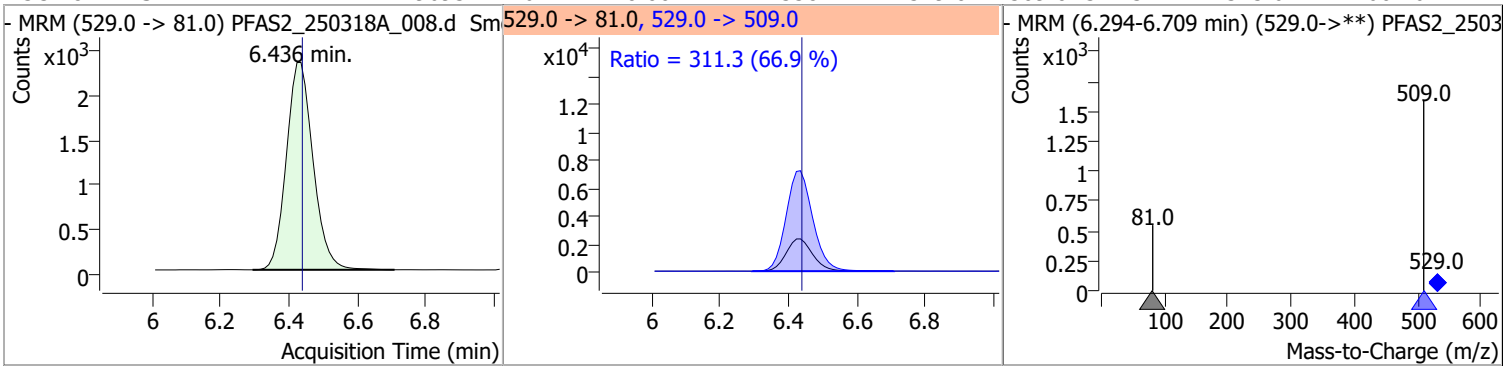
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6422	6.23	0.00	577110	463.0 -> 219.0	17.0	11.2	20.9



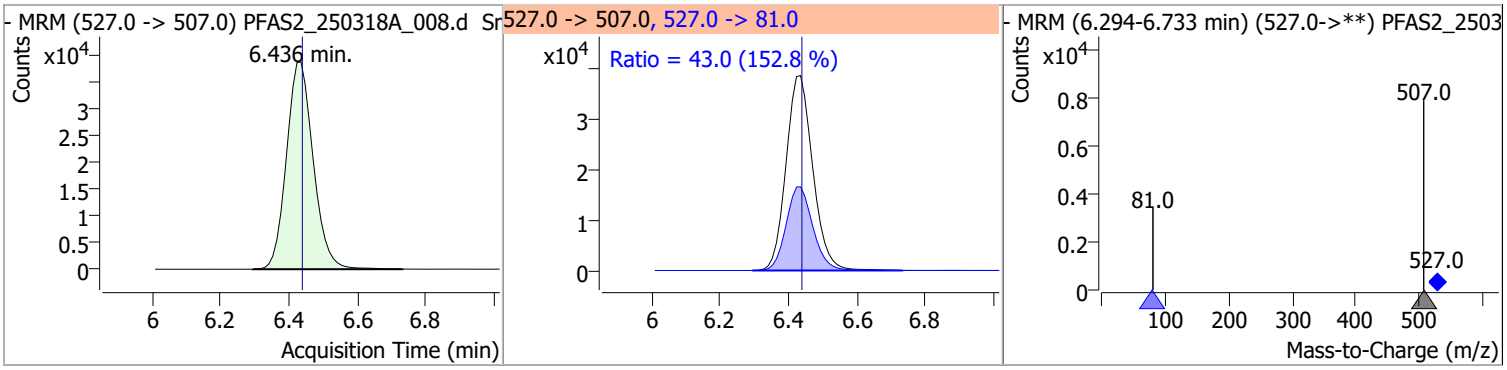
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.4931	6.38	0.00	106354	448.9 -> 99.0	57.0	36.5	67.7



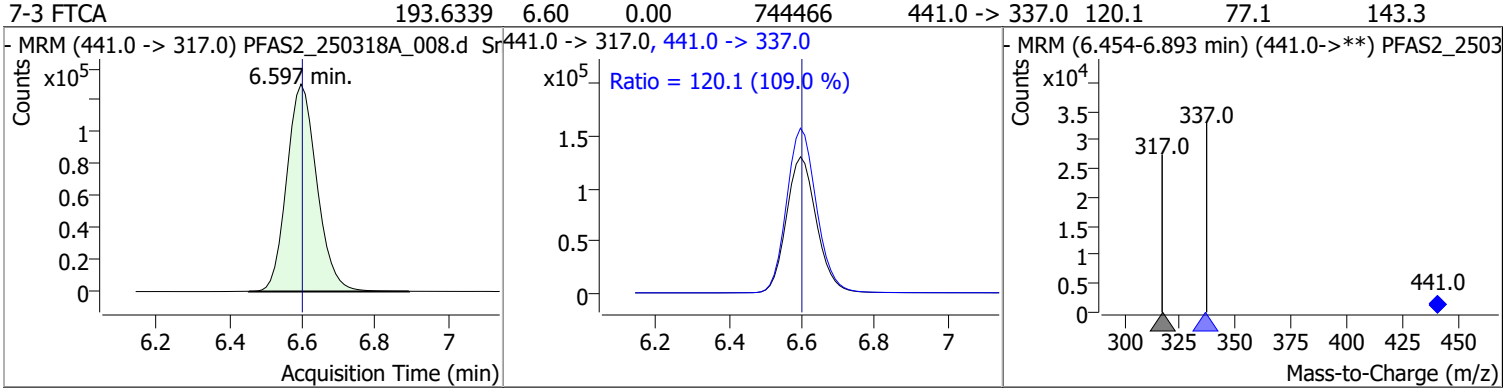
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9693	6.44	0.00	12558	529.0 -> 509.0	311.3	325.6	604.6



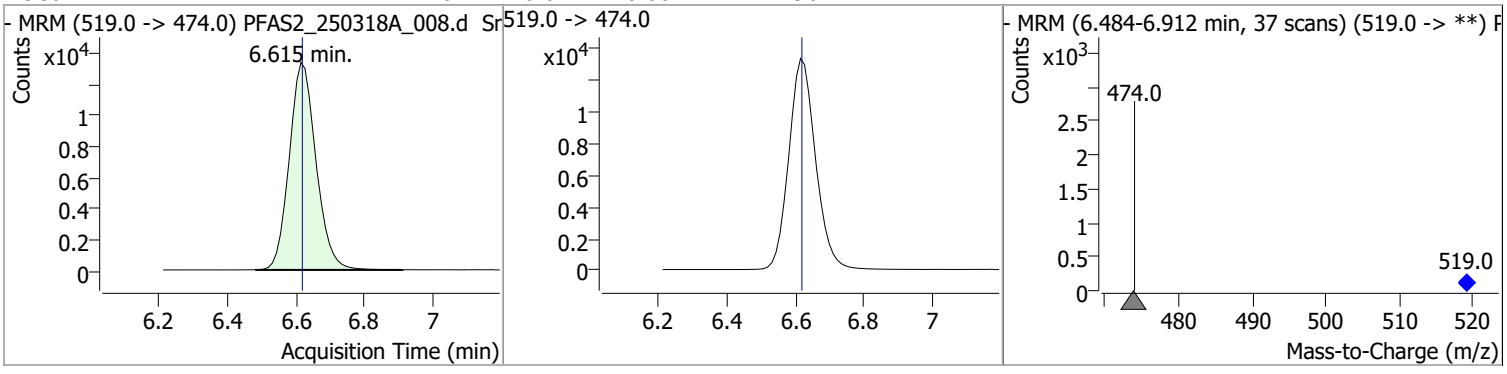
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	38.0416	6.44	0.00	210664	527.0 -> 81.0	43.0	19.7	36.6



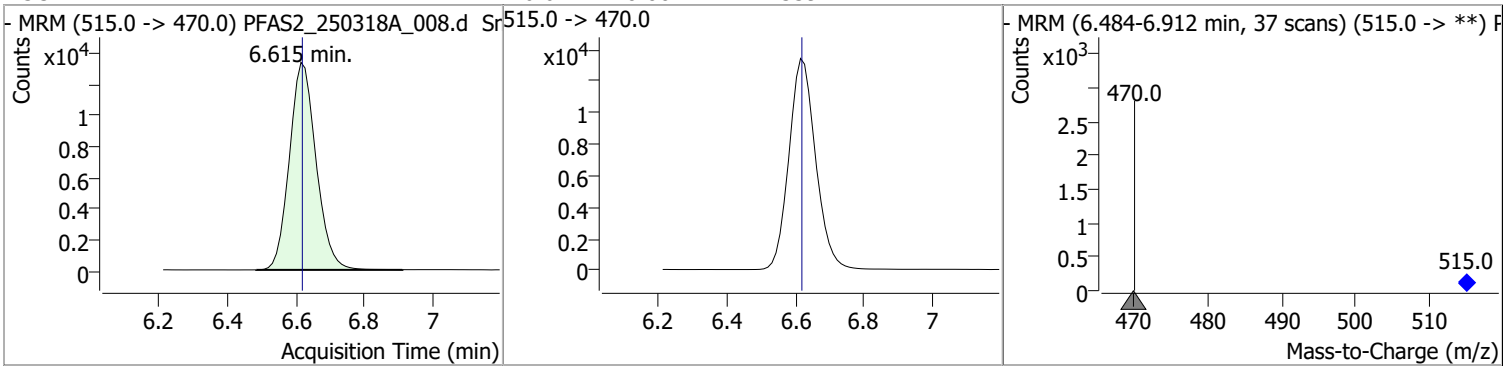
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	193.6339	6.60	0.00	744466	441.0 -> 337.0	120.1	77.1	143.3



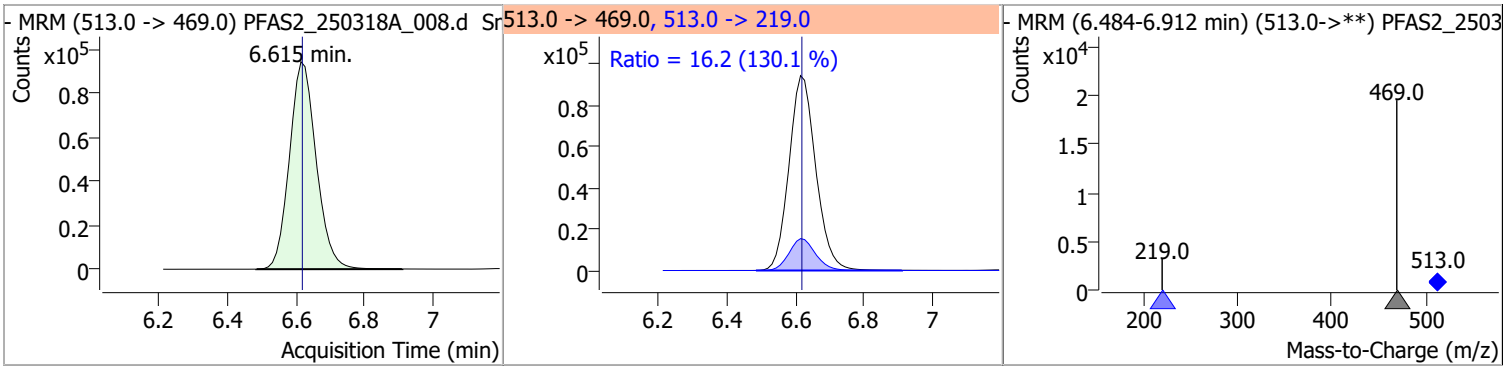
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2282	6.61	0.00	72496				



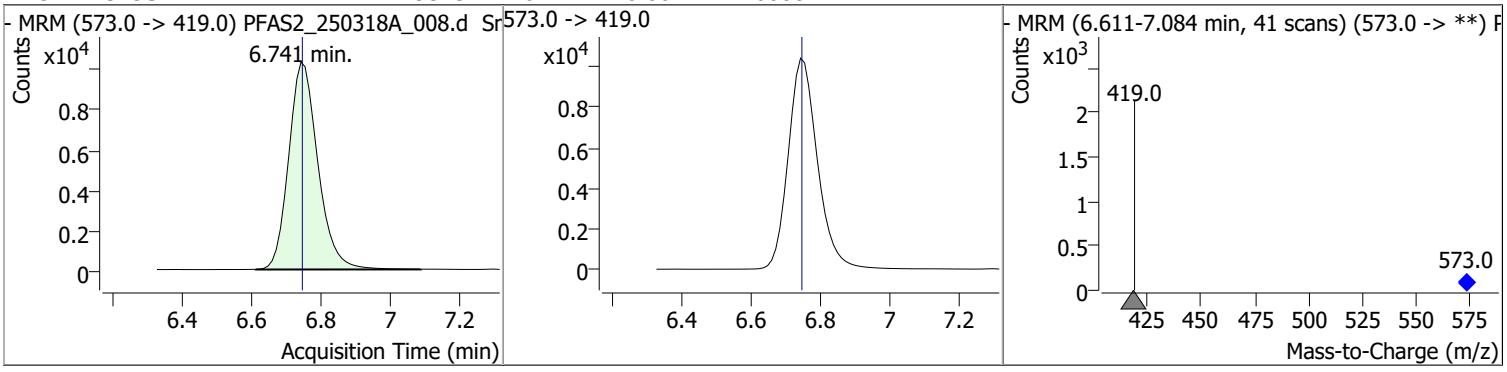
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	72539				



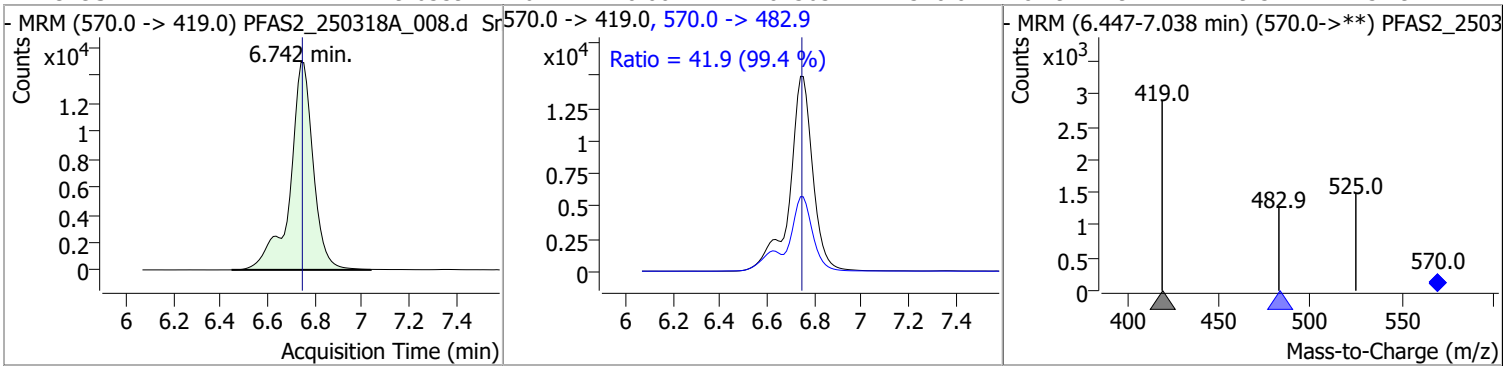
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.5843	6.62	0.00	513748	513.0 -> 219.0	16.2	8.7	16.2



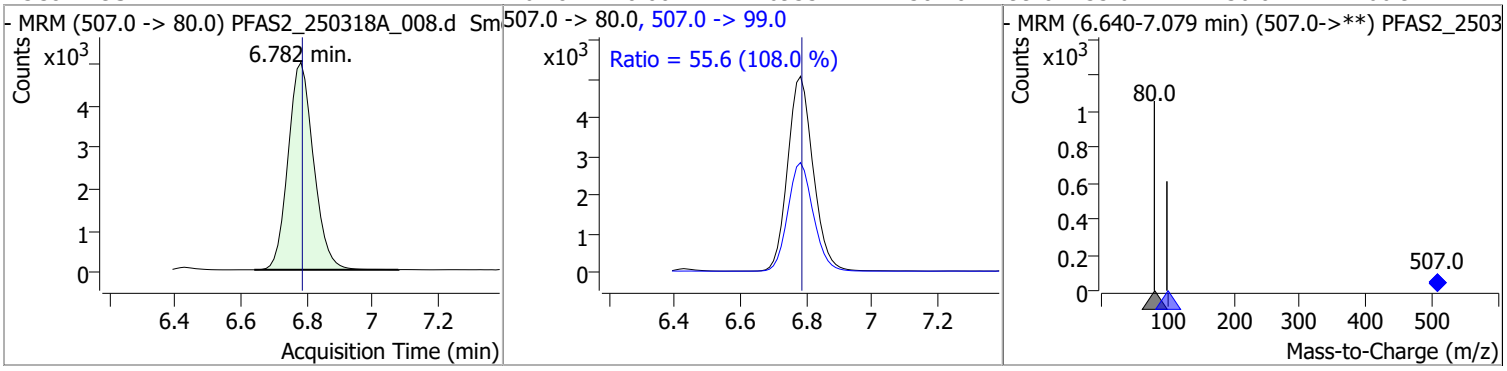
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9375	6.74	0.00	60082				



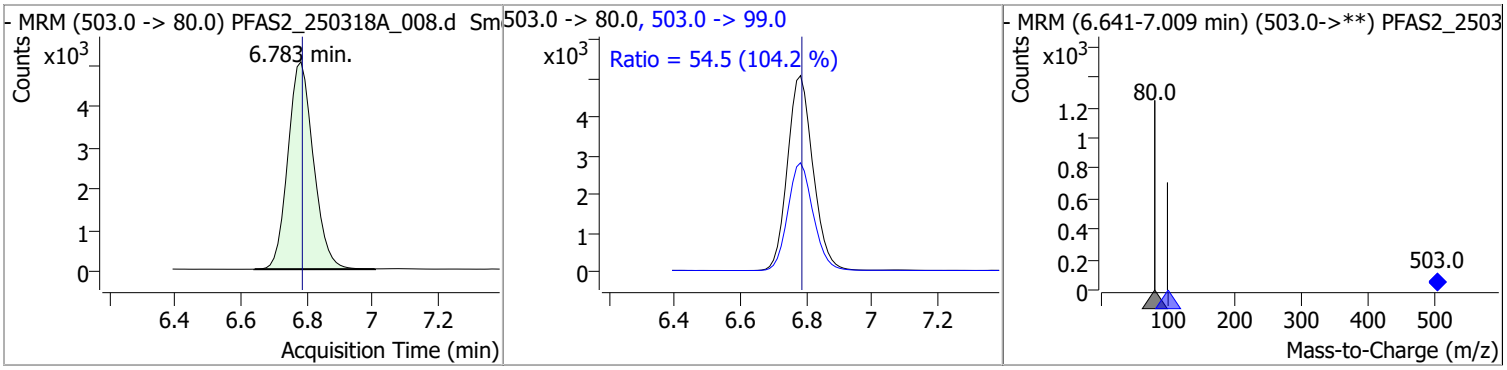
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.6359	6.74	0.00	102363	570.0 -> 482.9	41.9	29.5	54.9



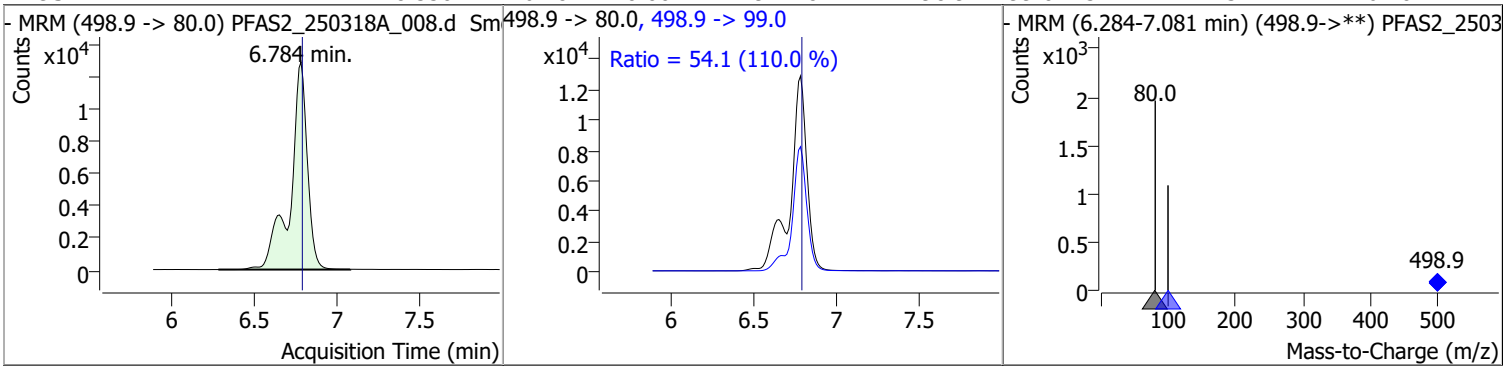
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4471	6.78	0.00	26935	507.0 -> 99.0	55.6	36.0	66.9



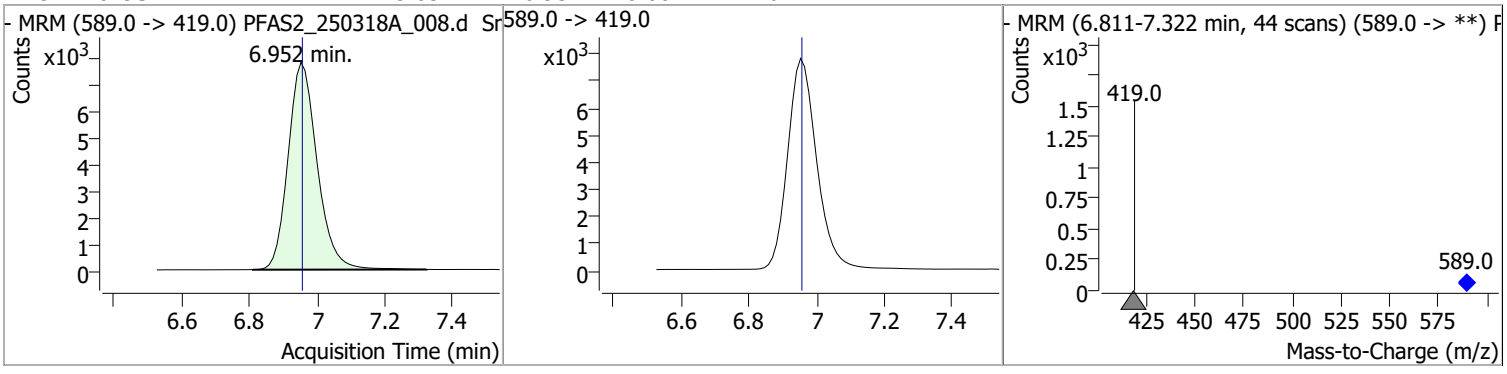
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	27120	503.0 -> 99.0	54.5	36.6	67.9



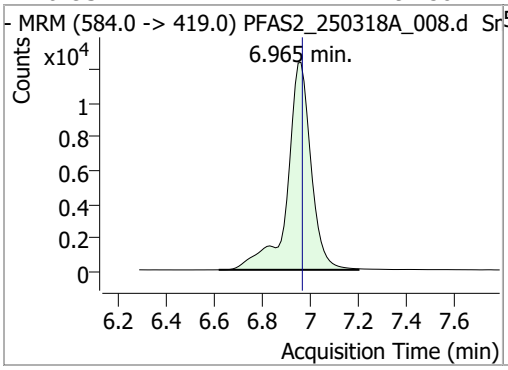
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.5504	6.78	0.00	92478	498.9 -> 99.0	54.1	34.4	64.0

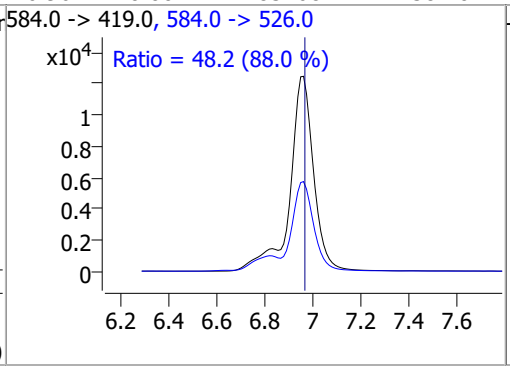


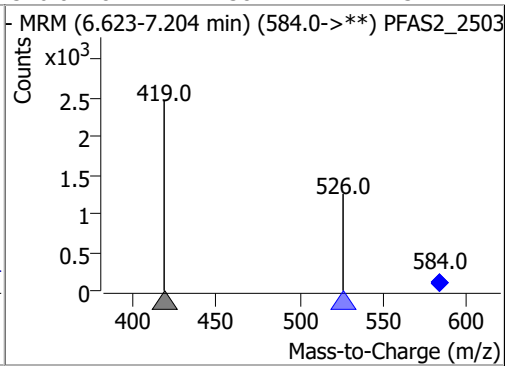
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0314	6.95	0.00	46224				



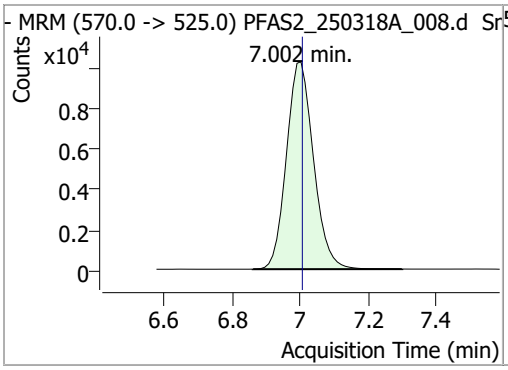
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.7587	6.96	0.00	85268	584.0 -> 526.0	48.2	38.4	71.3

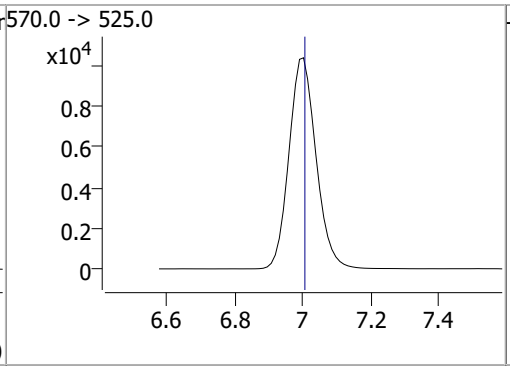


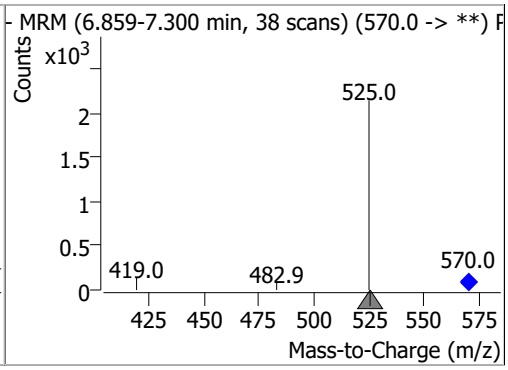




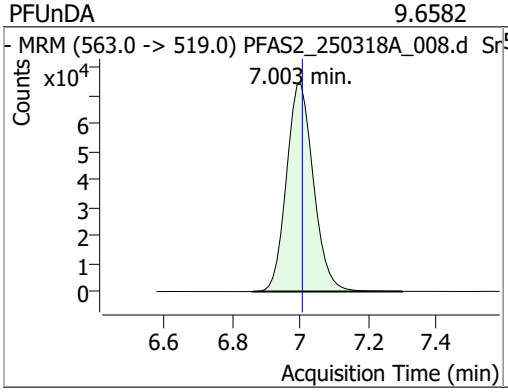
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2241	7.00	0.00	56943				

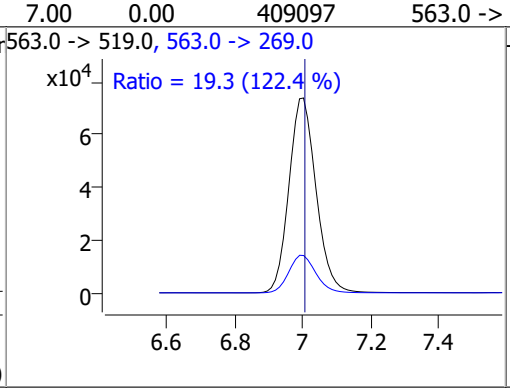


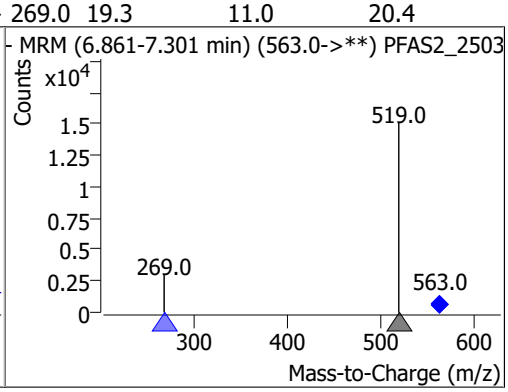




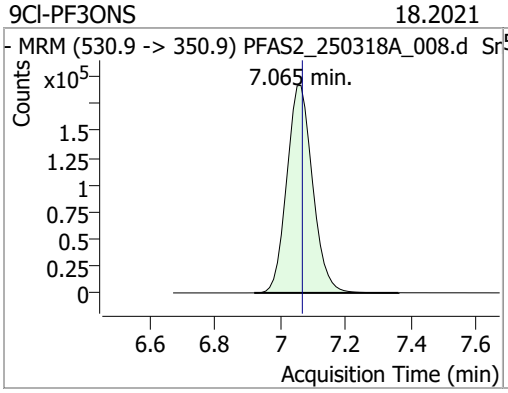
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6582	7.00	0.00	409097	563.0 -> 269.0	19.3	11.0	20.4

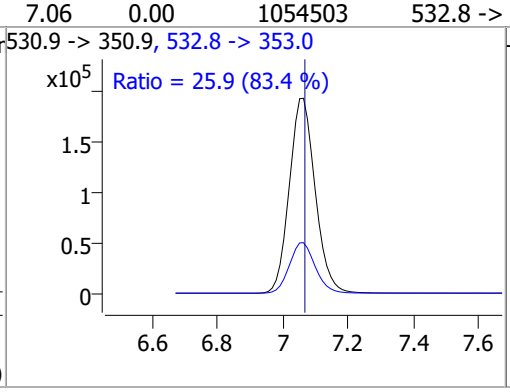


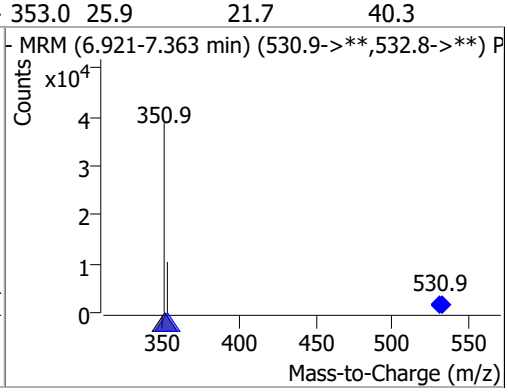




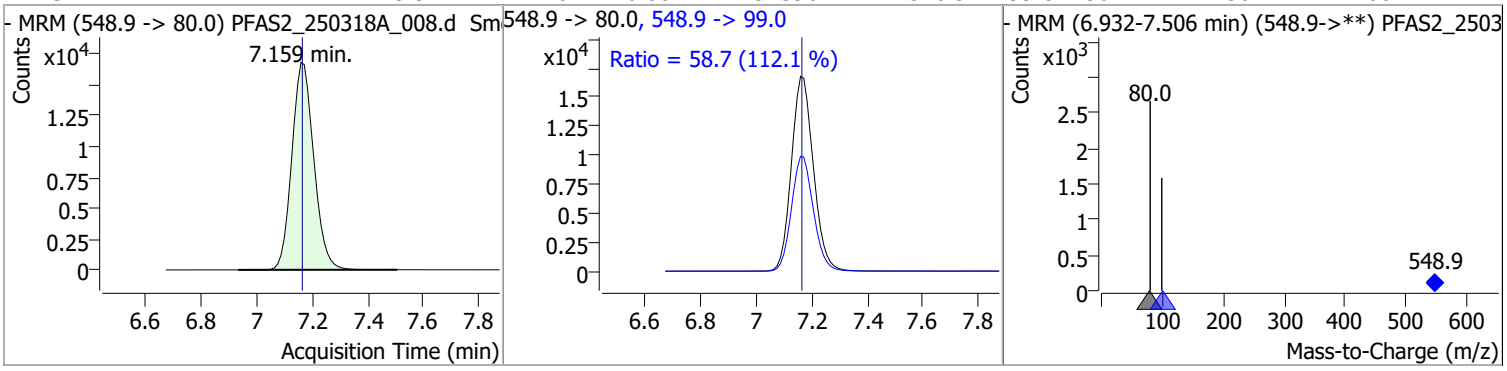
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.2021	7.06	0.00	1054503	532.8 -> 353.0	25.9	21.7	40.3



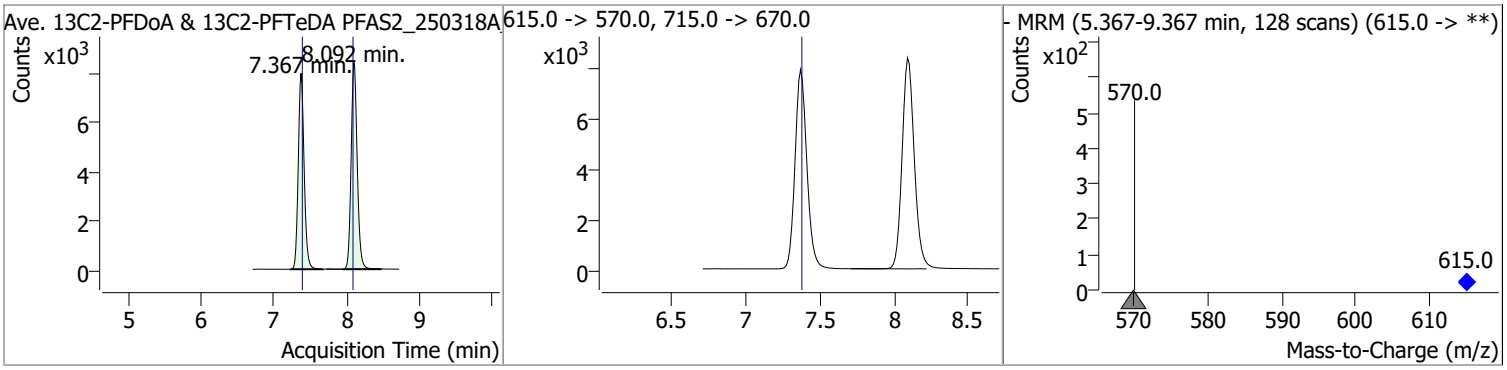




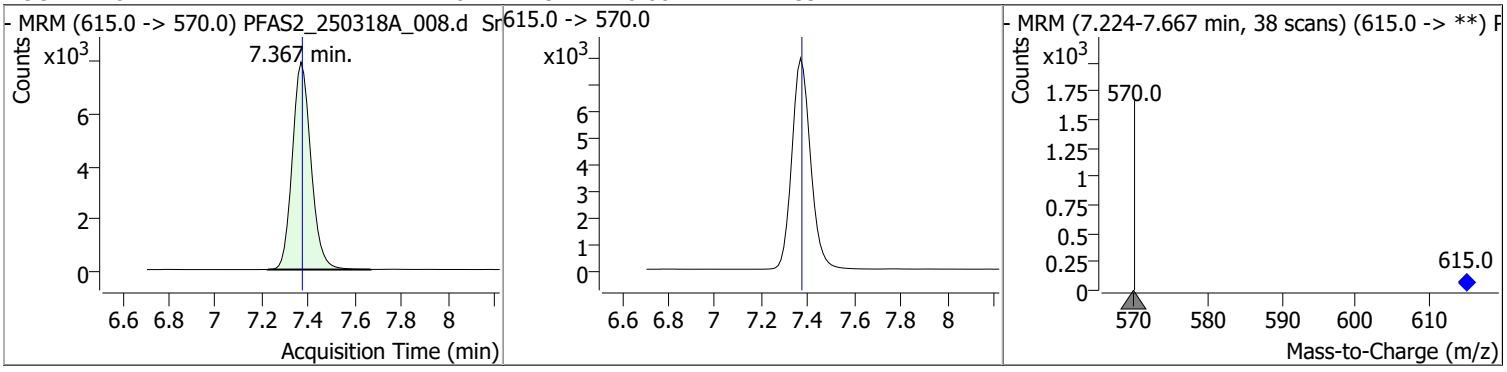
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.9471	7.16	0.00	91396	548.9 -> 99.0	58.7	36.7	68.1



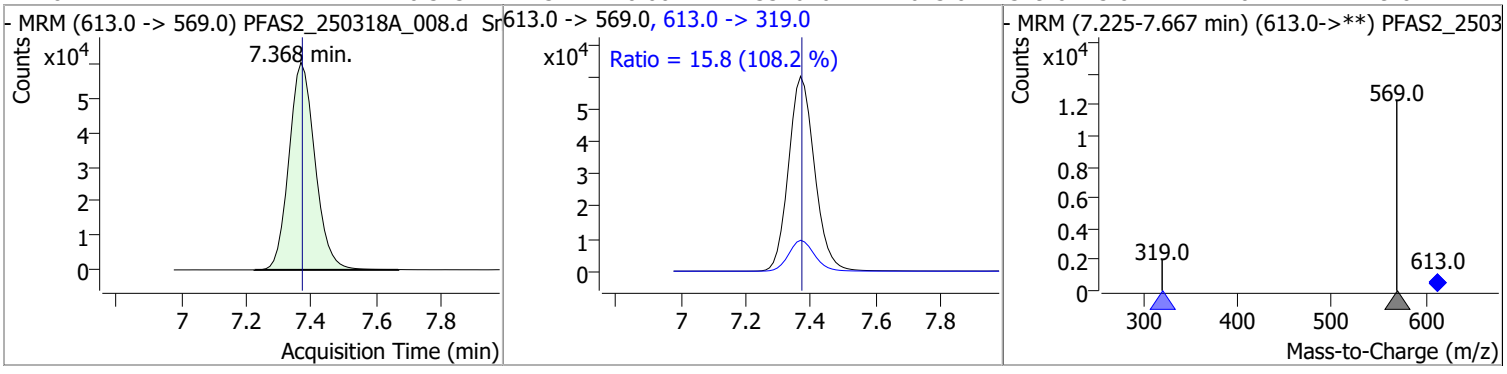
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2094	7.73	0.36	46370				



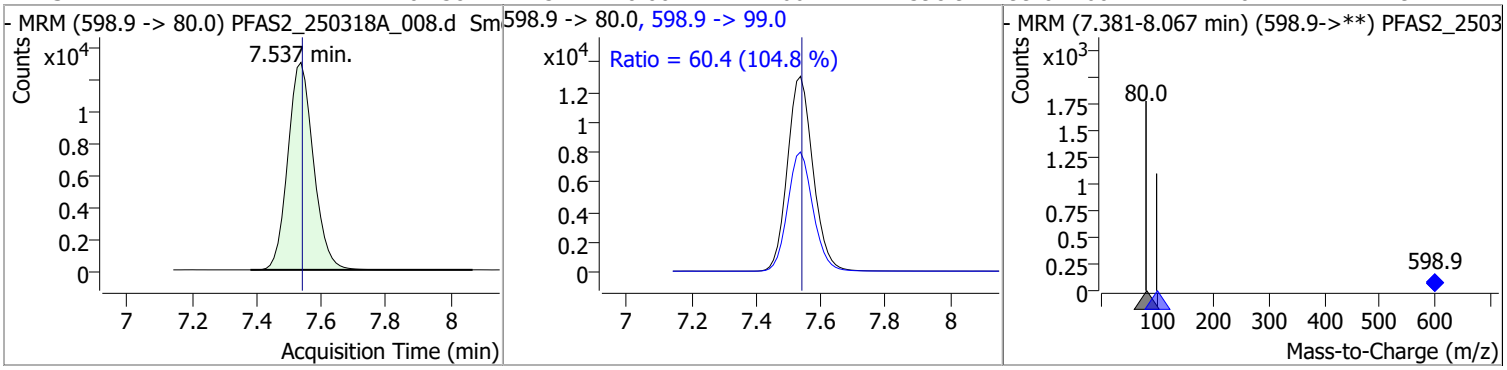
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2770	7.37	0.00	44259				



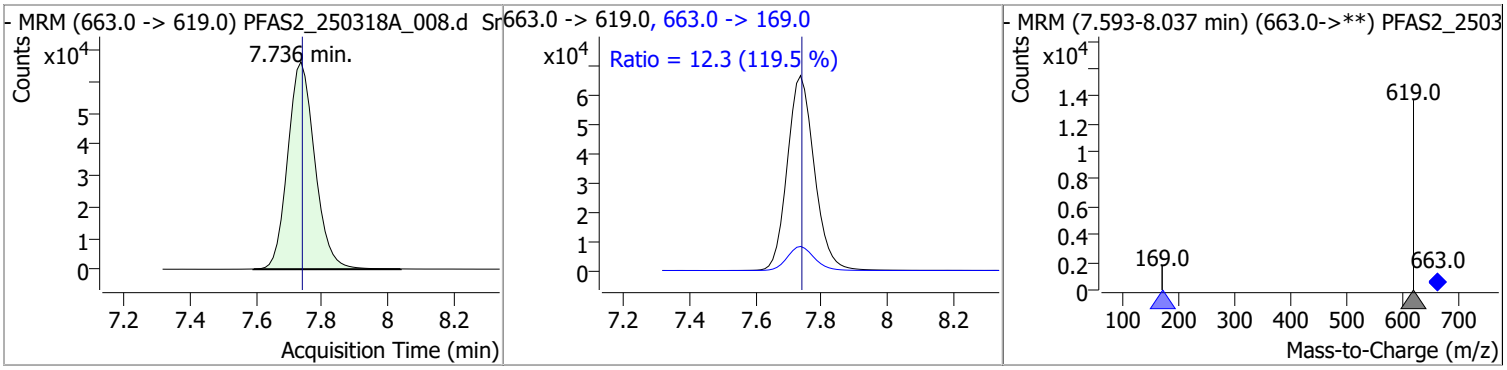
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.3131	7.37	0.00	334616	613.0 -> 319.0	15.8	10.2	19.0



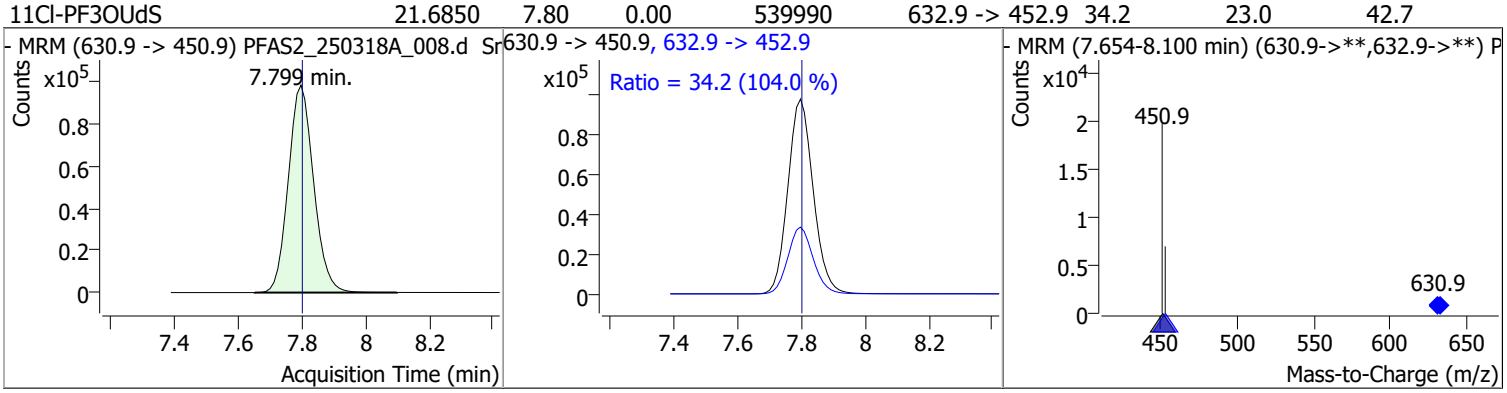
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.4384	7.54	0.00	71662	598.9 -> 99.0	60.4	40.4	74.9



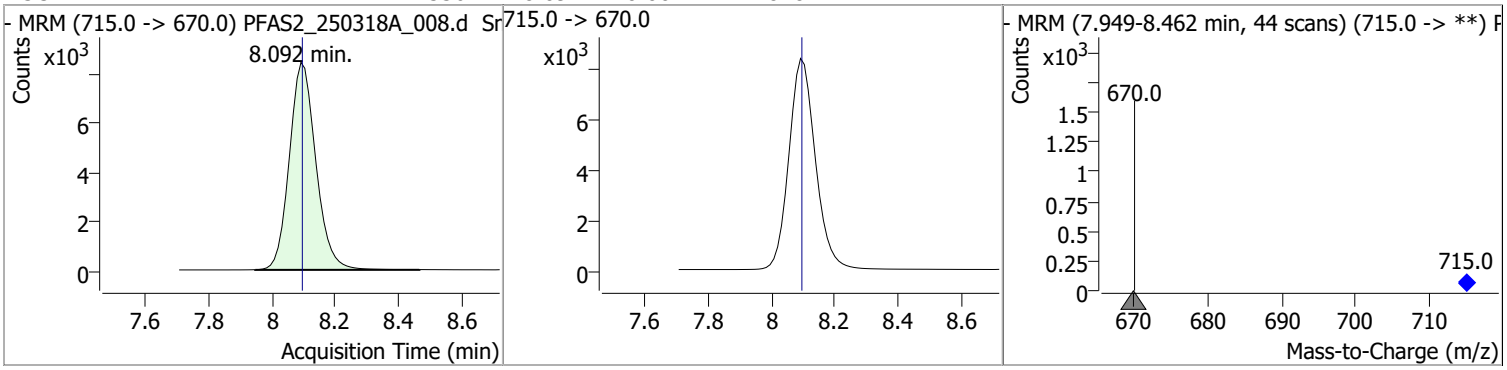
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.7484	7.74	0.00	375537	663.0 -> 169.0	12.3	7.2	13.4



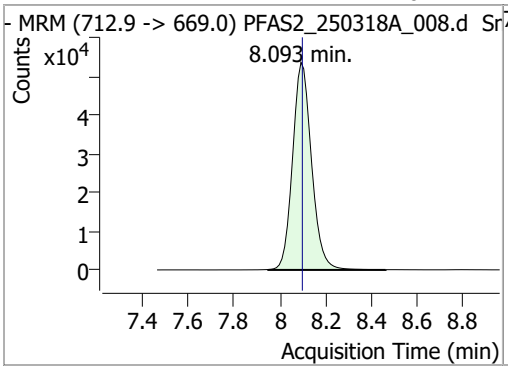
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	21.6850	7.80	0.00	539990	632.9 -> 452.9	34.2	23.0	42.7

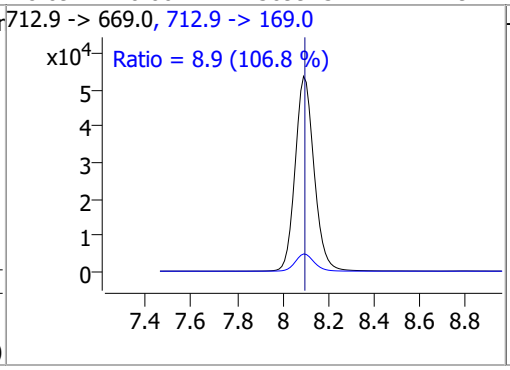


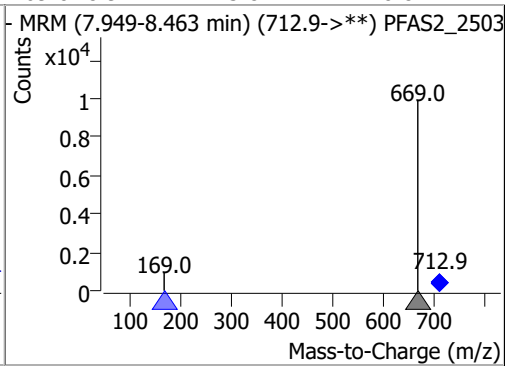
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1536	8.09	0.00	48481				



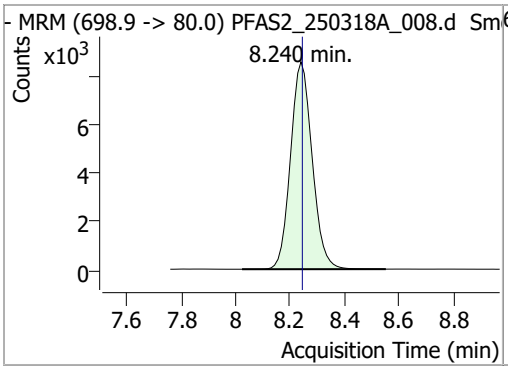
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.4477	8.09	0.00	309923	712.9 -> 169.0	8.9	5.8	10.8

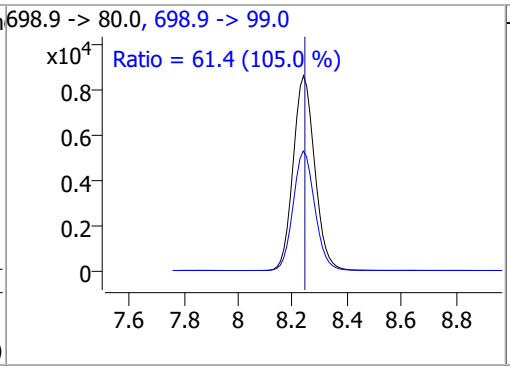


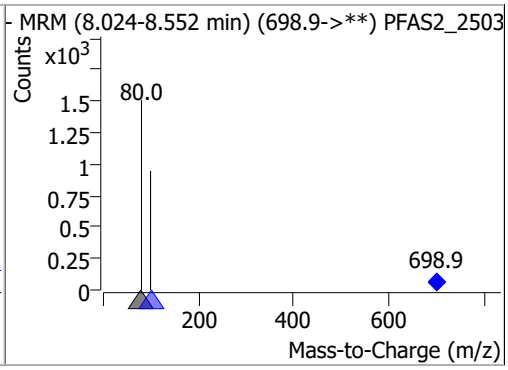




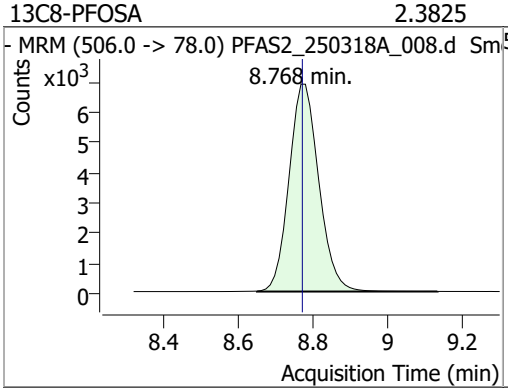
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.7913	8.24	0.00	47004	698.9 -> 99.0	61.4	41.0	76.1

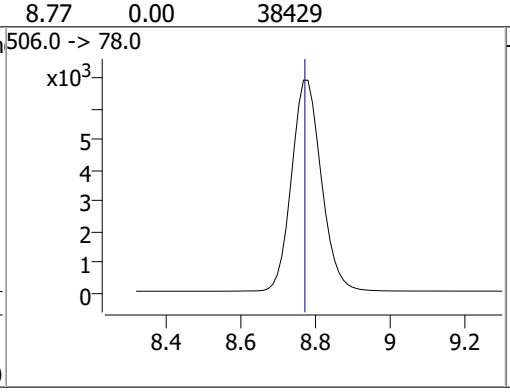


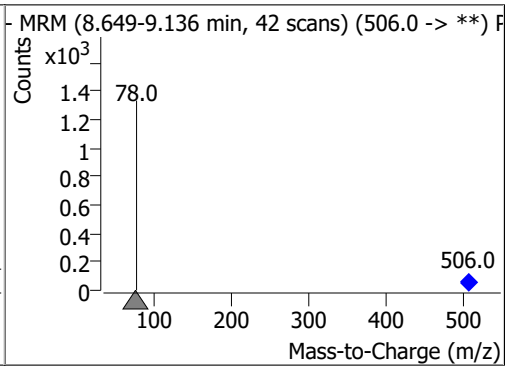




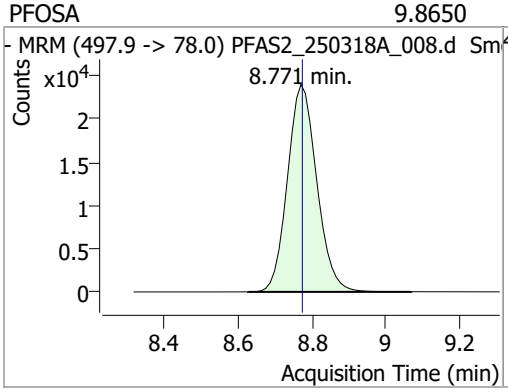
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3825	8.77	0.00	38429				

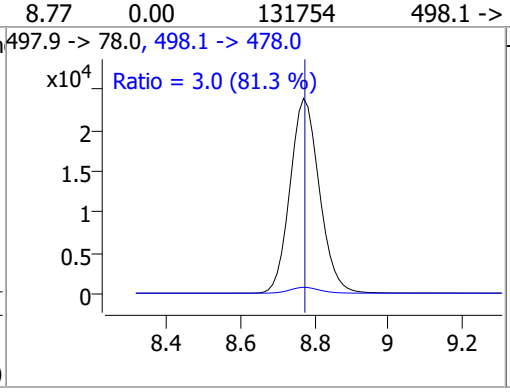


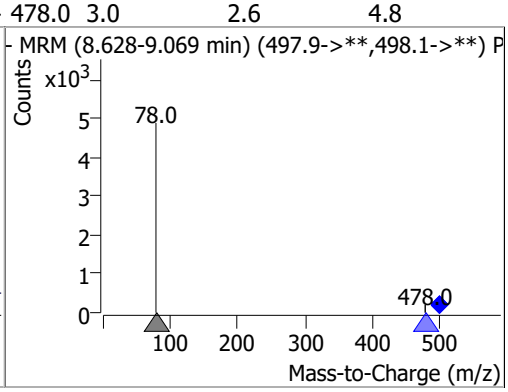




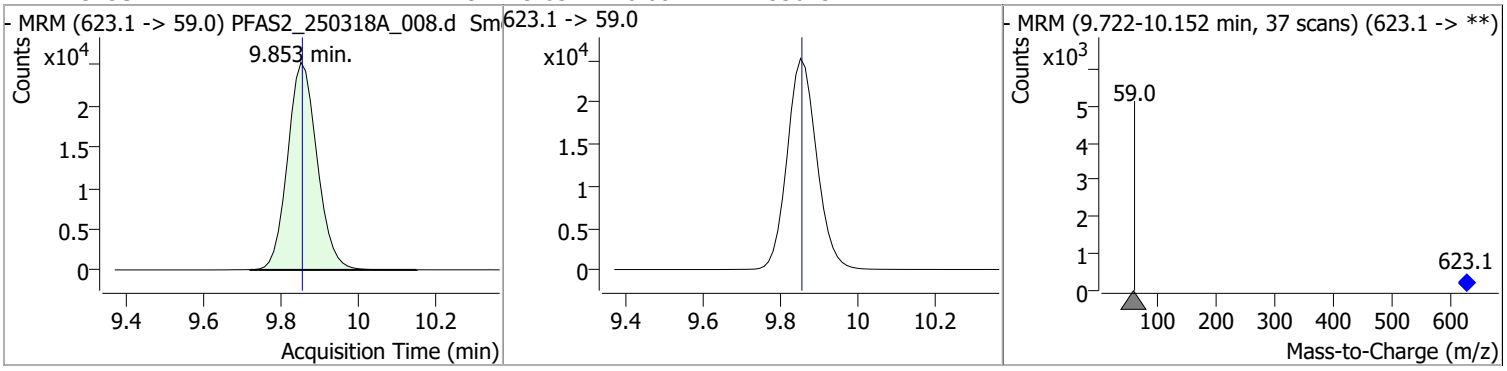
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.8650	8.77	0.00	131754	498.1 -> 478.0	3.0	2.6	4.8



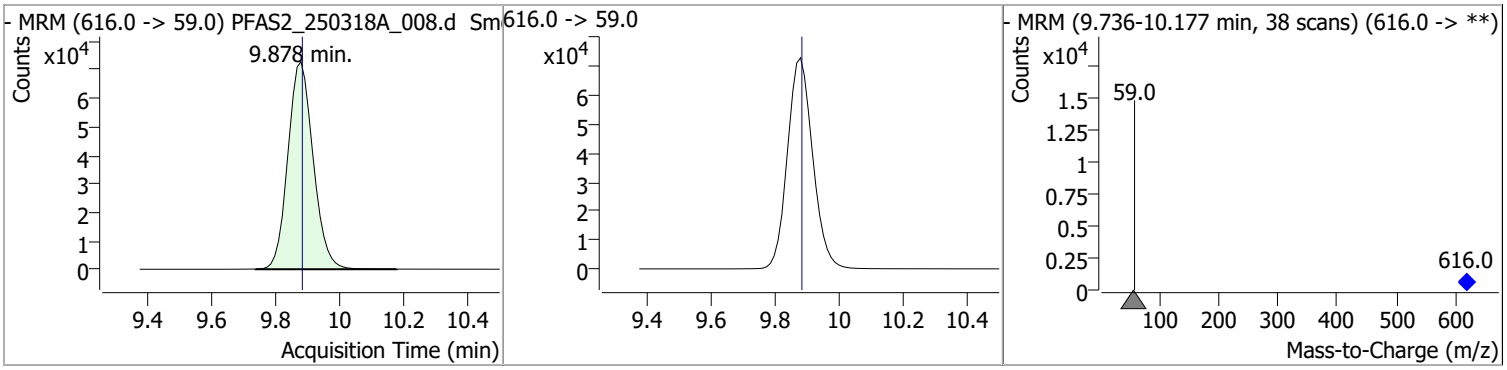




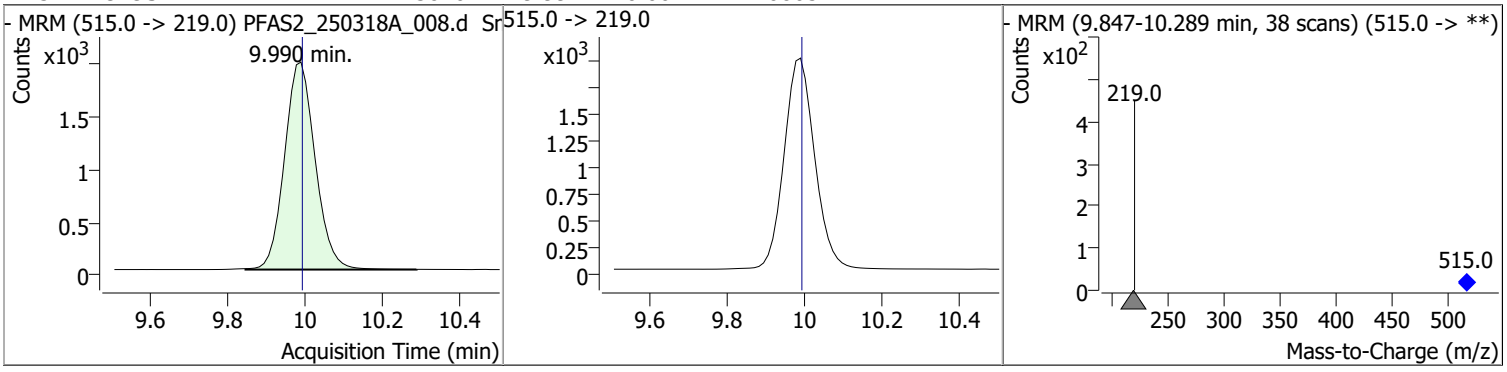
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.4429	9.85	0.00	133645				



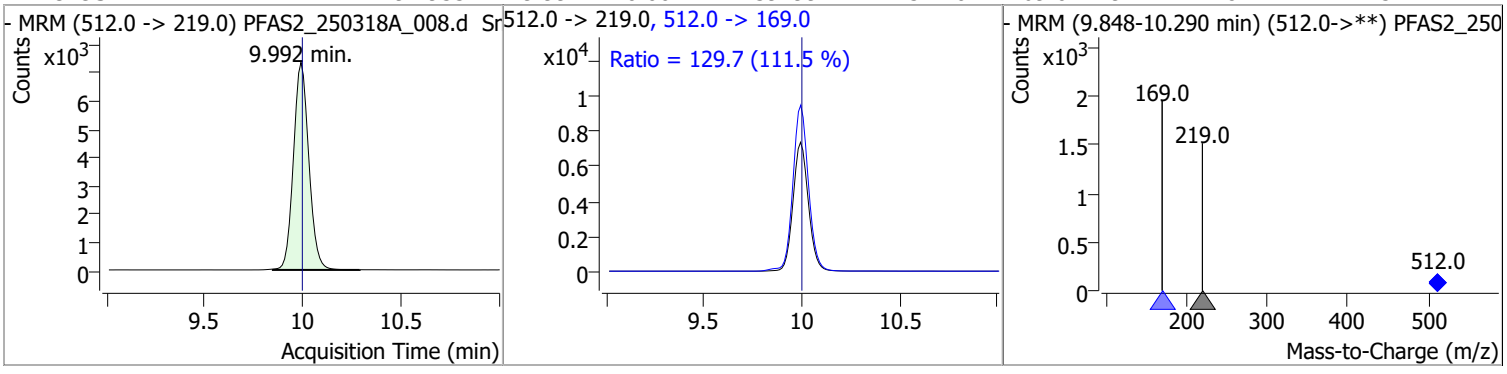
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	99.6570	9.88	0.00	398454				



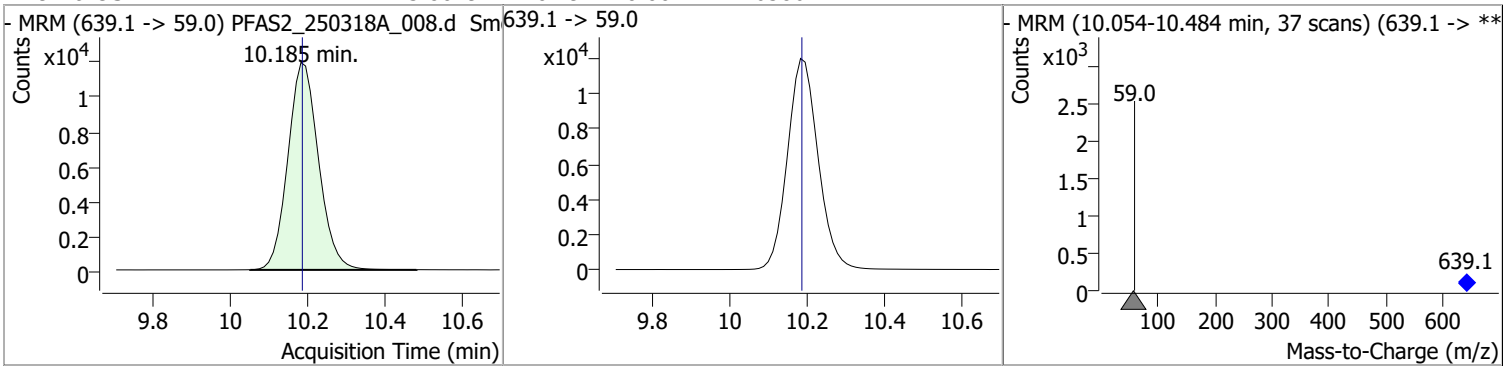
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3870	9.99	0.00	10805				



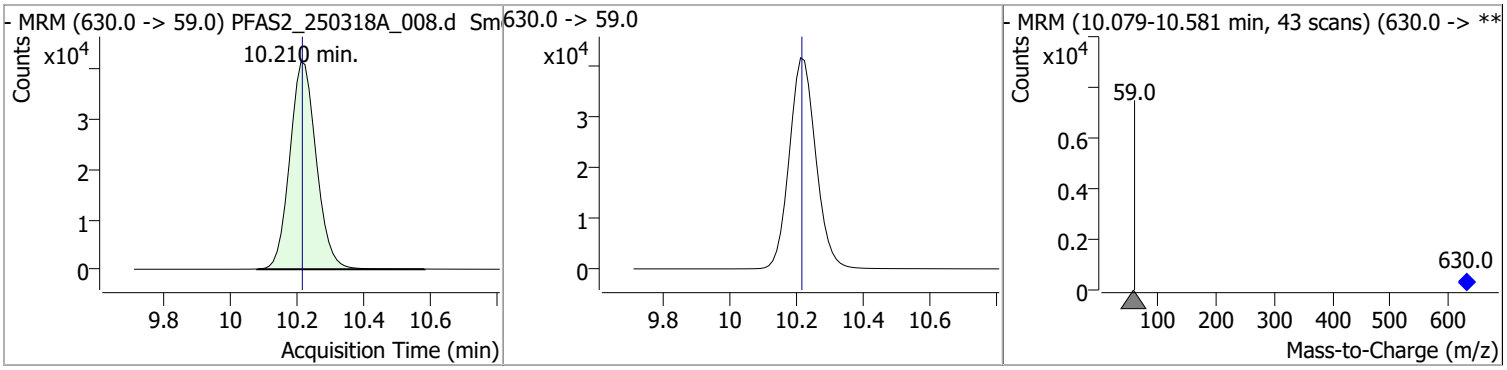
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.7933	9.99	0.00	39799	512.0 -> 169.0	129.7	81.4	151.2



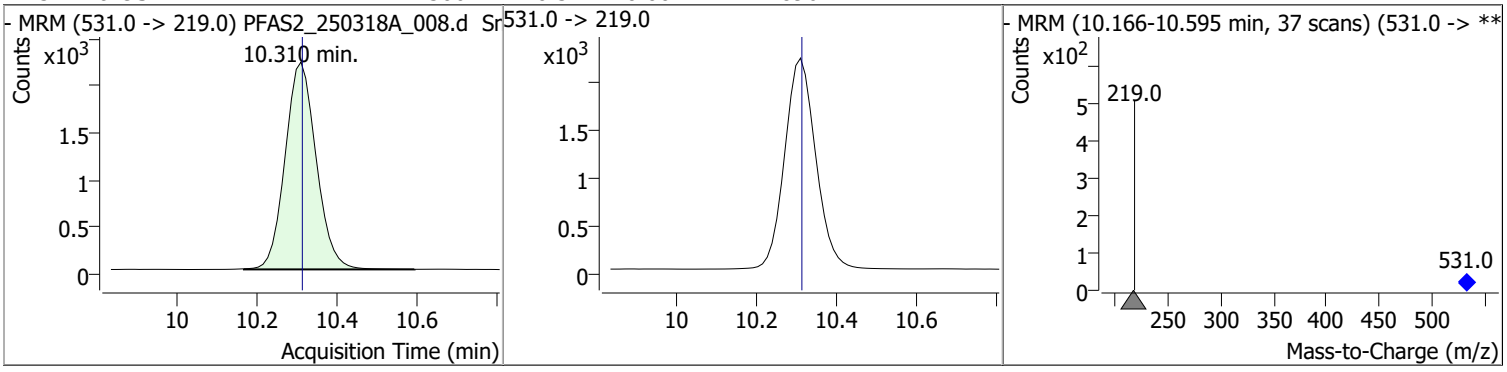
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.8049	10.19	0.00	65864				



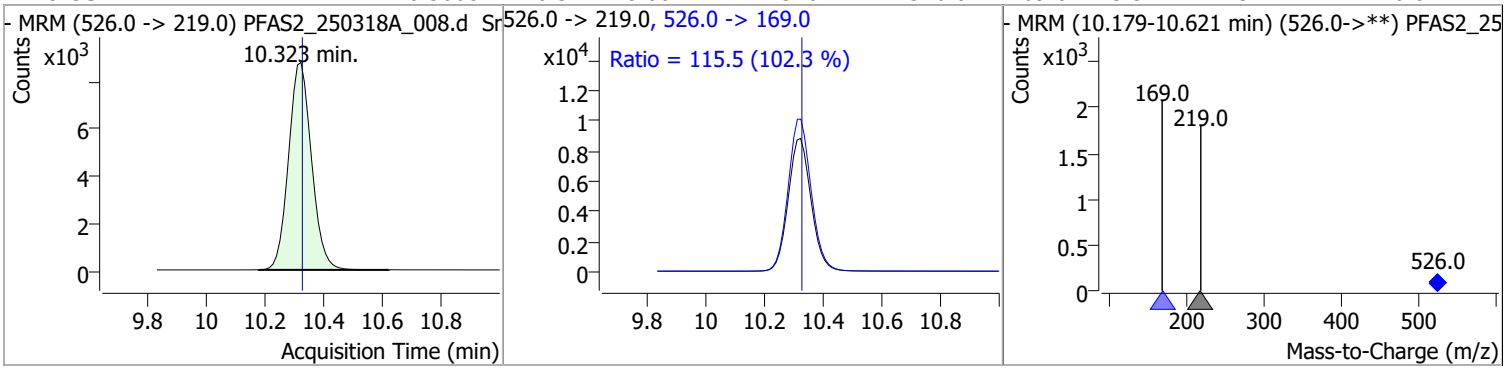
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	98.1122	10.21	0.00	229352				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4306	10.31	0.00	11896				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.3668	10.32	0.00	47570	526.0 -> 169.0	115.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_009.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:56:42 PM
Sample Name	SEQ-CAL7	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

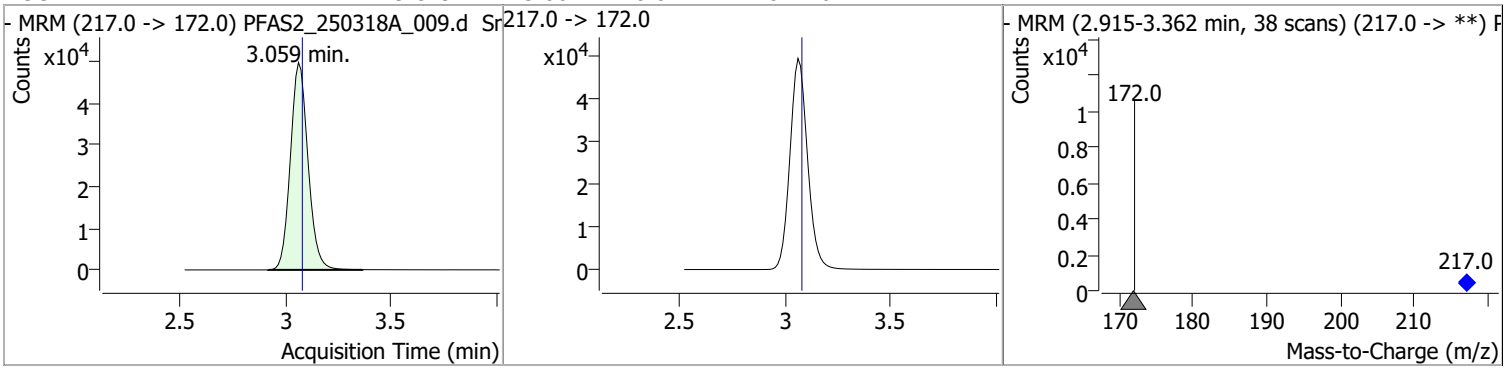
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.063	216.0 -> 172.0	127946	5.0000	µg/L	-6.501
13C2-PFHxA	4.878	315.0 -> 270.0	143053	2.5000	µg/L	-6.760
18O2-PFHxS	5.955	403.0 -> 84.0	28710	2.5000	µg/L	-3.105
13C4-PFOA	5.823	417.0 -> 172.0	14827	2.5000	µg/L	-4.023
13C5-PFNA	6.226	468.0 -> 423.0	67680	1.2500	µg/L	-4.907
13C2-PFDA	6.615	515.0 -> 470.0	66814	1.2500	µg/L	-0.093
13C4-PFOS	6.771	503.0 -> 80.0	24461	2.5000	µg/L	-1.798
System Monitoring Compounds						
13C4-PFBA	3.059	217.0 -> 172.0	287246	10.0000	µg/L	-7.588
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.79%		
13C5-PFPeA	4.222	268.0 -> 223.0	195705	5.0000	µg/L	-5.419
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.44%		
13C5-PFPeA	4.222	268.0 -> 223.0	195705	5.0000	µg/L	-5.419
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.44%		
13C2-4-2 FTSA	4.697	329.0 -> 81.0	21560	5.0000	µg/L	-14.664
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 88.43%		
13C5-PFHxA	4.877	318.0 -> 273.0	161351	2.5000	µg/L	-4.438
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.47%		
13C5-PFHxA	4.877	318.0 -> 273.0	161351	2.5000	µg/L	-4.438
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.47%		
13C3-PFBS	4.917	302.0 -> 80.0	58035	2.5000	µg/L	-4.428
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%		
13C3-PFBS	4.917	302.0 -> 80.0	58035	2.5000	µg/L	-4.428
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%		
13C3-HFPO-DA	5.074	287.0 -> 169.0	168349	10.0000	µg/L	-3.675
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.30%		
13C4-PFHpA	5.385	367.0 -> 322.0	187044	2.5000	µg/L	-0.976
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.24%		
13C3-PFHxS	5.956	402.0 -> 80.0	33627	2.5000	µg/L	-3.781
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.33%		
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13965	5.0000	µg/L	-5.442
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.69%		
13C8-PFOA	5.823	421.0 -> 376.0	161692	2.5000	µg/L	-6.396
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.55%		
13C3-PFHxS	5.956	402.0 -> 80.0	33627	2.5000	µg/L	-3.781
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.33%		
13C9-PFNA	6.225	472.0 -> 427.0	68592	1.2500	µg/L	-2.656
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.32%		
13C8-PFOS	6.771	507.0 -> 80.0	24344	2.5000	µg/L	-3.716
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.08%		
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11335	5.0000	µg/L	-4.313
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.63%		
13C6-PFDA	6.615	519.0 -> 474.0	65111	1.2500	µg/L	-4.192
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.81%		
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	55394	5.0000	µg/L	-0.762

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.94%		
13C8-PFOS	6.771	507.0 -> 80.0	24344	2.5000	µg/L	-3.716
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.08%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	40811	5.0000	µg/L	-3.222
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.50%		
13C7-PFUnDA	6.990	570.0 -> 525.0	50975	1.2500	µg/L	-4.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.17%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	44769	1.2500	µg/L	1.483
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.41%		
13C2-PFDoDA	7.367	615.0 -> 570.0	41310	1.2500	µg/L	3.418
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.52%		
13C2-PFTDA	8.092	715.0 -> 670.0	48228	1.2500	µg/L	-0.118
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.67%		
13C8-PFOSA	8.780	506.0 -> 78.0	35318	2.5000	µg/L	-4.447
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.11%		
2H7-MeFOSE	9.853	623.1 -> 59.0	115719	25.0000	µg/L	-7.900
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 93.86%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10211	2.5000	µg/L	-1.528
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.04%		
2H9-EtFOSE	10.185	639.1 -> 59.0	59160	25.0000	µg/L	-6.848
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 94.82%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11286	2.5000	µg/L	0.406
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.26%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	1979504	78.5699	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.21%		
PFMPA	3.602	229.0 -> 85.0	716542	37.9528	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.88%		
3-3 FTCA	3.766	241.0 -> 177.0	54010	78.4190	µg/L	97
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.02%		
PFPeA	4.223	263.0 -> 219.0	1408690	38.8647	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.16%		
PFMBA	4.453	279.0 -> 85.0	1054432	38.3515	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 95.88%		
4-2 FTSA	4.698	327.0 -> 307.0	954695	72.8590	µg/L	99
Spiked Amount: 75.000	Range: 70 - 130%			Recovery = 97.15%		
NFDHA	4.811	295.0 -> 201.0	46832	39.4650	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 98.66%		
PFHxA	4.880	313.0 -> 269.0	1132178	19.6094	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.05%		
PFBS	4.918	298.9 -> 80.0	417013	17.3174	µg/L	93
Spiked Amount: 17.740	Range: 70 - 130%			Recovery = 97.62%		
HFPO-DA	5.075	285.0 -> 169.0	624077	41.7831	µg/L	92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 104.46%		
PFEESA	5.189	314.9 -> 135.0	2700094	34.9861	µg/L	98
Spiked Amount: 35.600	Range: 70 - 130%			Recovery = 98.28%		
PFHpA	5.386	363.0 -> 319.0	1367931	18.9124	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.56%		
5-3 FTCA	5.435	341.0 -> 237.0	1804332	387.1574	µg/L	98
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 96.79%		
PFPeS	5.482	348.9 -> 80.0	353729	19.4819	µg/L	92
Spiked Amount: 18.820	Range: 70 - 130%			Recovery = 103.52%		
DONA	5.539	377.0 -> 251.0	3686949	37.0809	µg/L	100
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 98.10%		

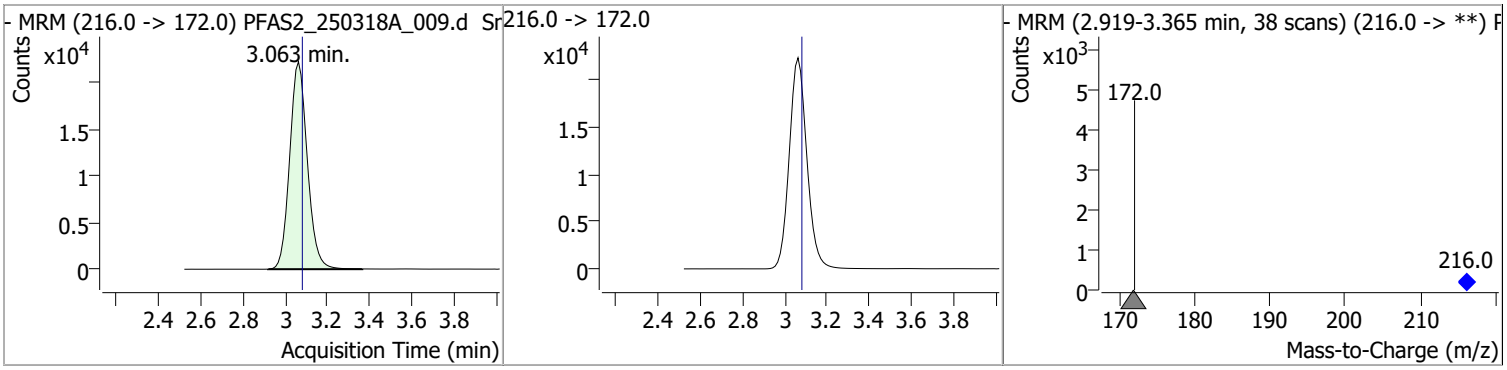
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	705588	75.0667	µg/L		94
Spiked Amount: 76.000	Range: 70 - 130%			Recovery = 98.77%			
PFOA	5.824	413.0 -> 369.0	1228805	19.1930	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.96%			
PFHxS	5.957	398.9 -> 80.0	245287	18.7533	µg/L		92
Spiked Amount: 18.280	Range: 70 - 130%			Recovery = 102.59%			
PFNA	6.226	463.0 -> 419.0	1028471	19.2106	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.05%			
PFHpS	6.370	448.9 -> 80.0	196027	19.3595	µg/L		94
Spiked Amount: 19.060	Range: 70 - 130%			Recovery = 101.57%			
8-2 FTSA	6.424	527.0 -> 507.0	376101	77.9095	µg/L	#	76
Spiked Amount: 76.800	Range: 70 - 130%			Recovery = 101.44%			
7-3 FTCA	6.585	441.0 -> 317.0	1428744	397.3993	µg/L		96
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 99.35%			
PFDA	6.615	513.0 -> 469.0	983343	20.1879	µg/L		92
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.94%			
N-MeFOSAA	6.742	570.0 -> 419.0	197575	20.1763	µg/L		97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.88%			
PFOS	6.772	498.9 -> 80.0	176273	17.9980	µg/L		97
Spiked Amount: 18.560	Range: 70 - 130%			Recovery = 96.97%			
N-EtFOSAA	6.953	584.0 -> 419.0	157562	20.4122	µg/L		90
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.06%			
PFUnDA	6.991	563.0 -> 519.0	784516	20.6749	µg/L		94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.37%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	1935862	38.3783	µg/L		90
Spiked Amount: 37.400	Range: 70 - 130%			Recovery = 102.62%			
PFNS	7.159	548.9 -> 80.0	167273	20.1428	µg/L		89
Spiked Amount: 19.240	Range: 70 - 130%			Recovery = 104.69%			
PFDoDA	7.368	613.0 -> 569.0	583643	19.2723	µg/L		95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.36%			
PFDS	7.525	598.9 -> 80.0	131201	21.1449	µg/L		94
Spiked Amount: 19.300	Range: 70 - 130%			Recovery = 109.56%			
PFTrDA	7.736	663.0 -> 619.0	676618	20.0584	µg/L		94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.29%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1028008	46.1014	µg/L		98
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 121.96%			
PFTDA	8.093	712.9 -> 669.0	580109	19.6534	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.27%			
PFDoS	8.240	698.9 -> 80.0	90496	20.8572	µg/L		95
Spiked Amount: 19.400	Range: 70 - 130%			Recovery = 107.51%			
PFOSA	8.771	497.9 -> 78.0	247404	20.1560	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.78%			
MeFOSE	9.878	616.0 -> 59.0	664595	193.2619	µg/L		100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 96.63%			
N-MeFOSA	9.992	512.0 -> 219.0	78102	20.3367	µg/L		91
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.68%			
EtFOSE	10.210	630.0 -> 59.0	405978	195.6817	µg/L		100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 97.84%			
N-EtFOSA	10.323	526.0 -> 219.0	93686	21.5216	µg/L		95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 107.61%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

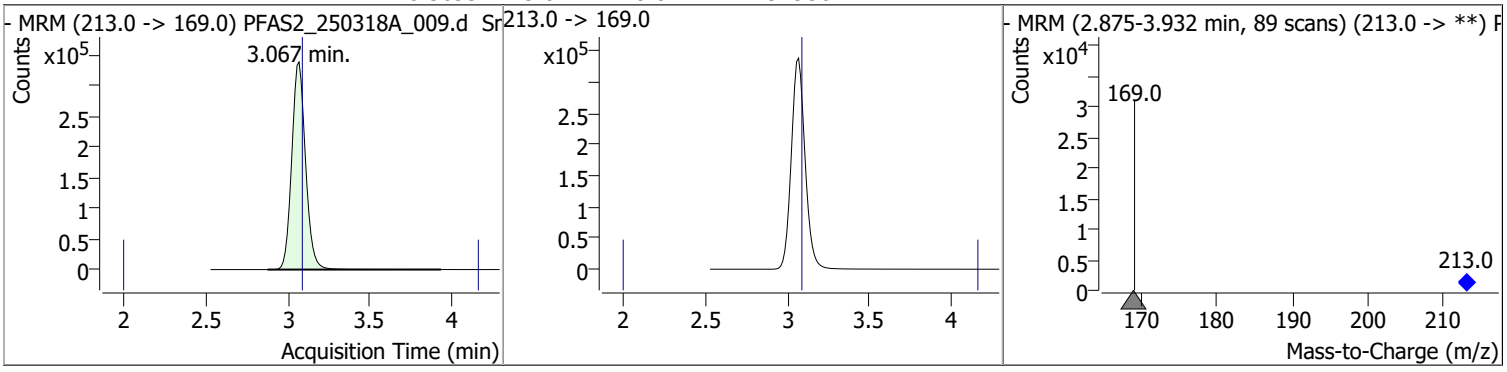
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8794	3.06	-0.01	287246				



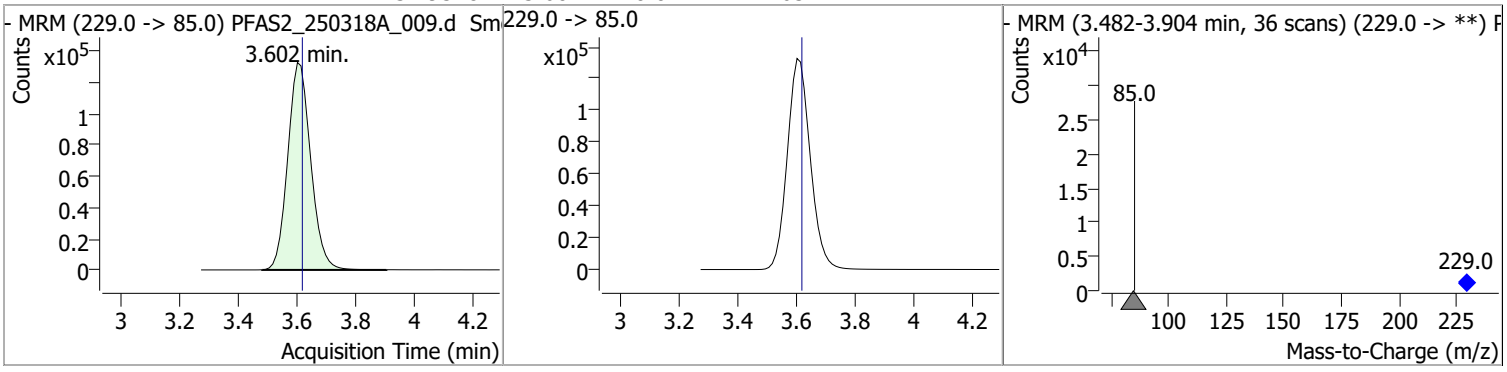
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	127946				



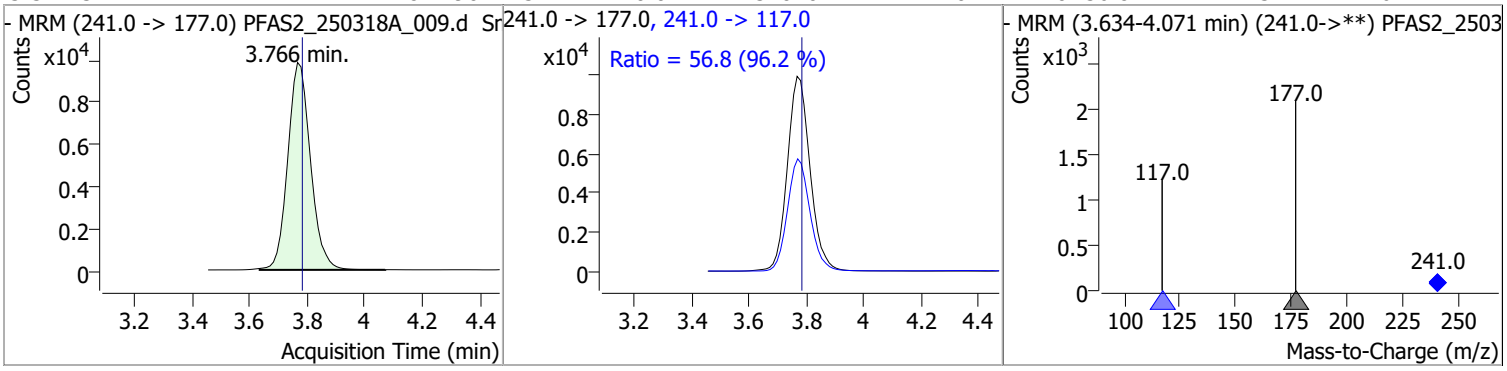
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	78.5699	3.07	-0.01	1979504				



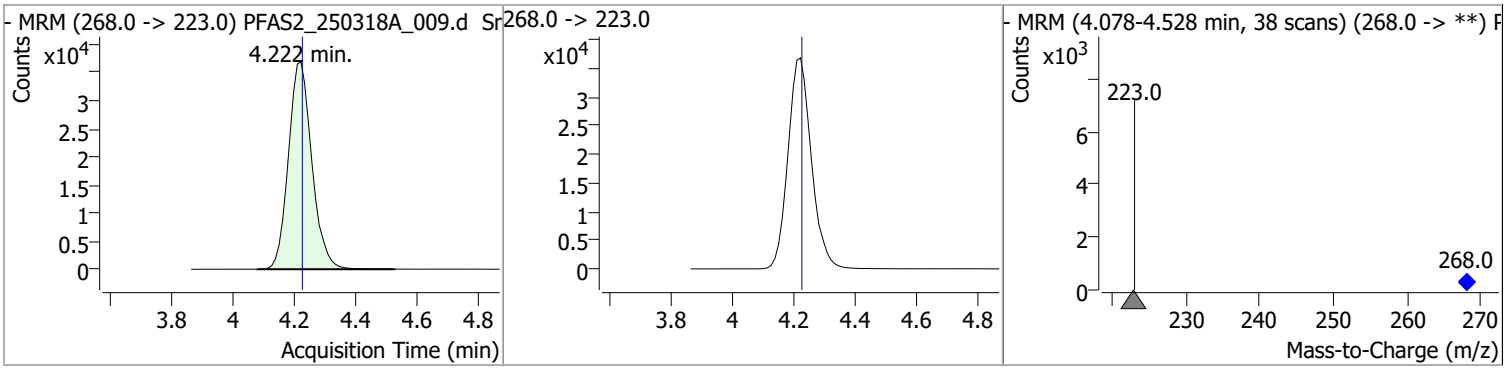
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	37.9528	3.60	-0.01	716542				



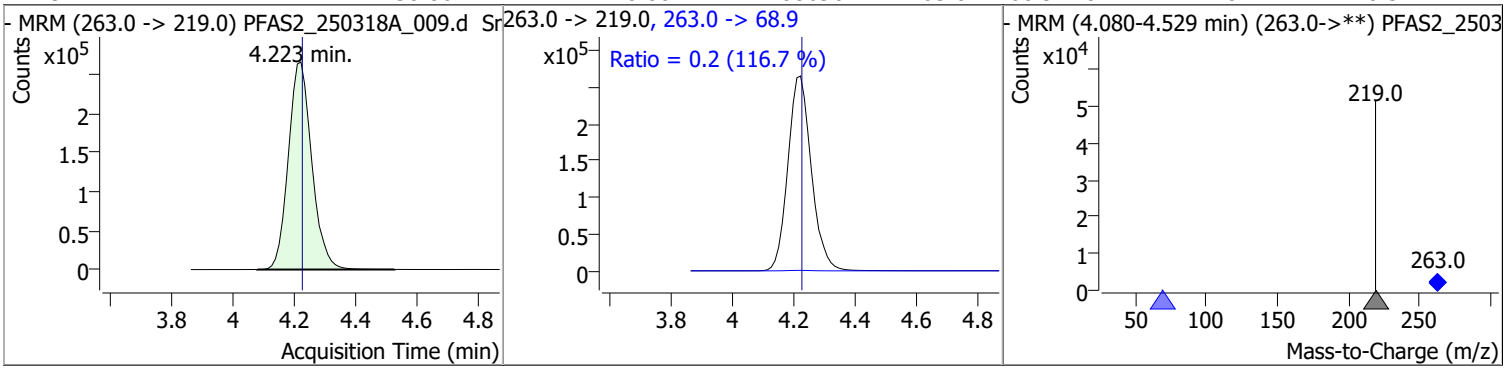
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	78.4190	3.77	-0.01	54010	241.0 -> 117.0	56.8	41.3	76.7



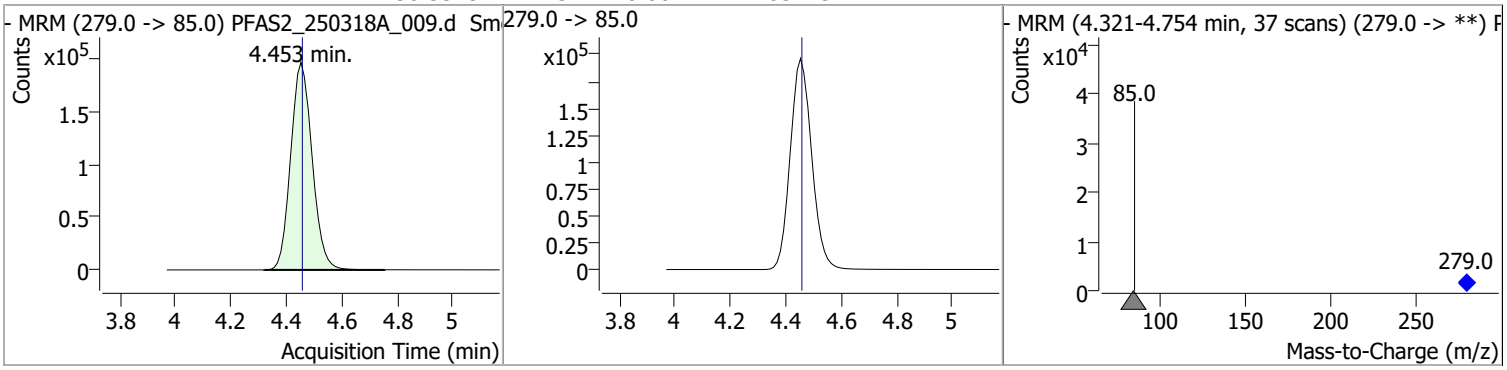
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0722	4.22	0.00	195705				



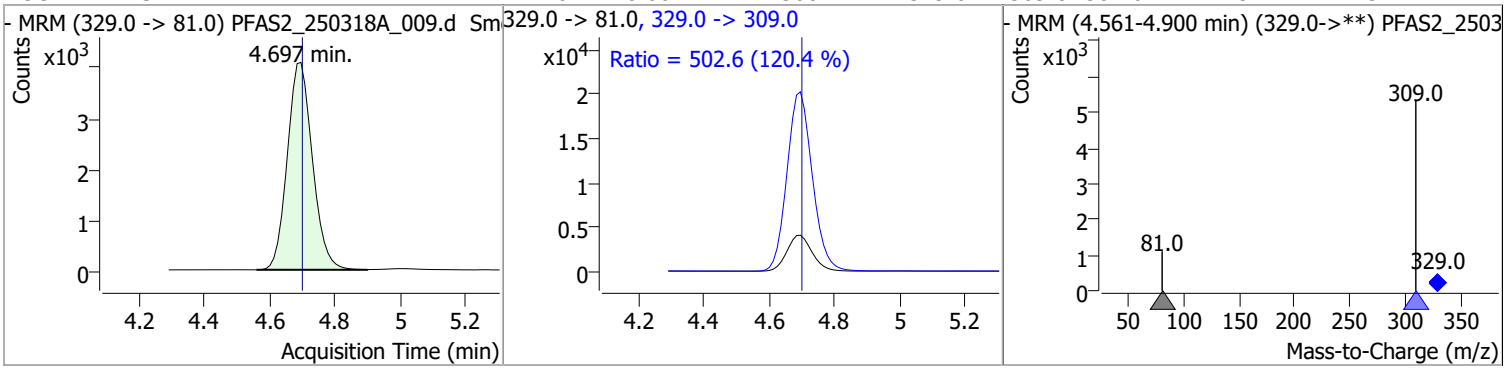
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	38.8647	4.22	0.00	1408690	263.0 -> 68.9	0.2	0.1	0.3



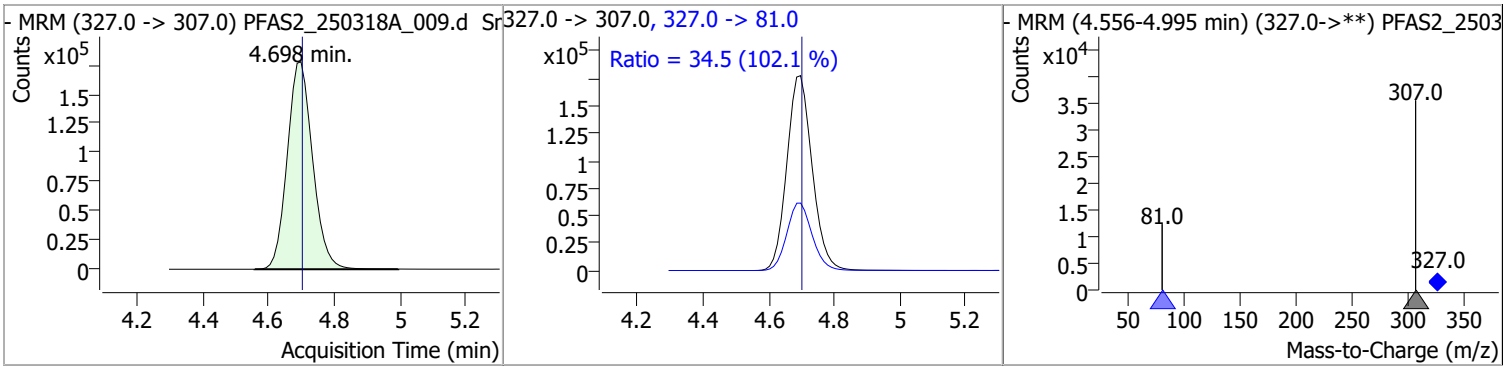
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	38.3515	4.45	0.00	1054432				



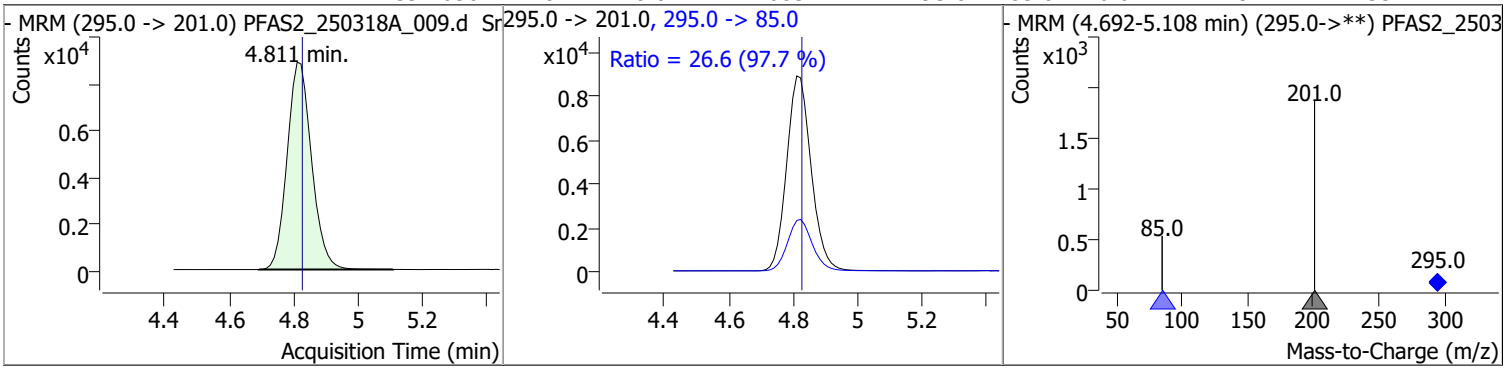
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.4214	4.70	0.00	21560	329.0 -> 309.0	502.6	292.1	542.4



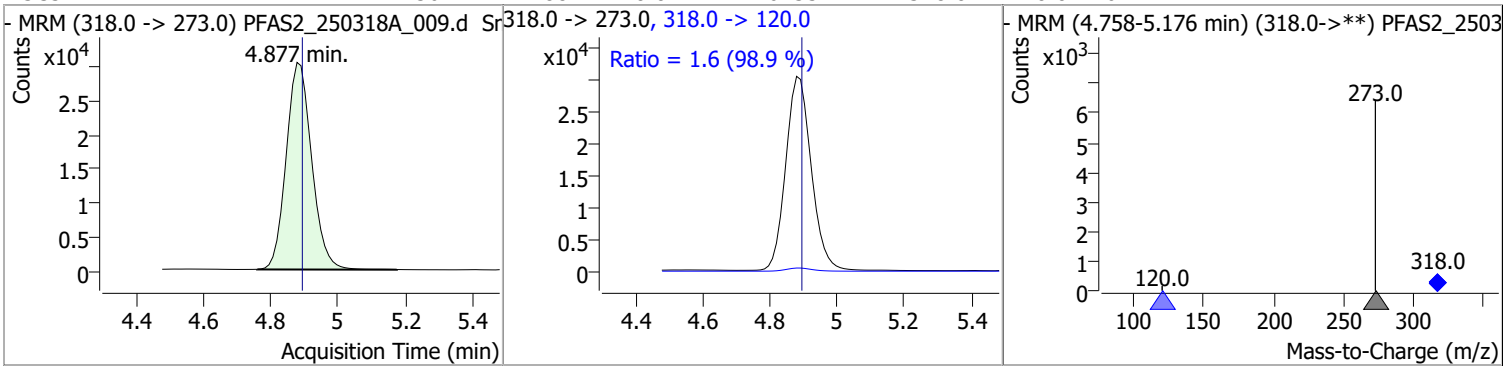
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	72.8590	4.70	0.00	954695	327.0 -> 81.0	34.5	23.6	43.9



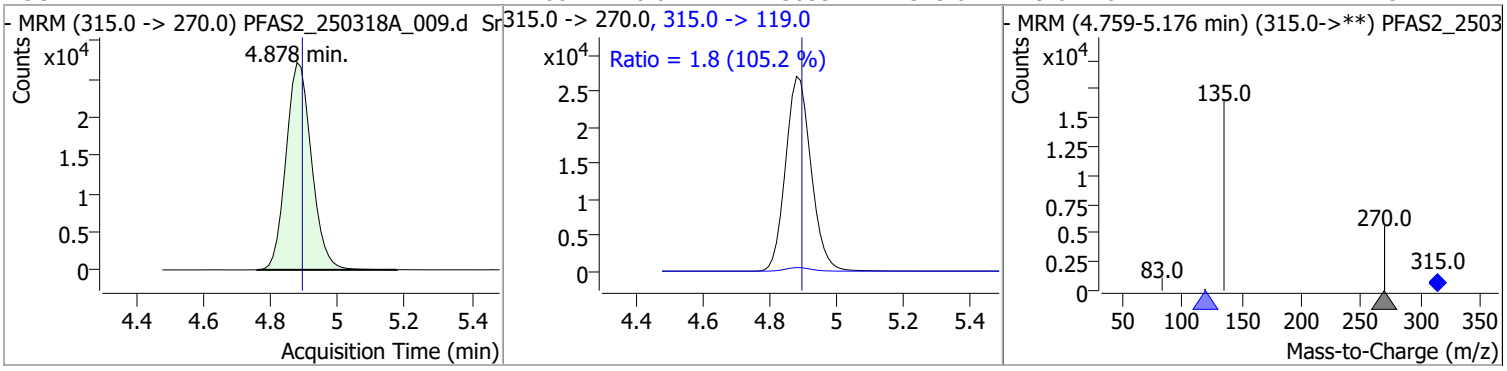
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	39.4650	4.81	-0.01	46832	295.0 -> 85.0	26.6	19.1	35.4



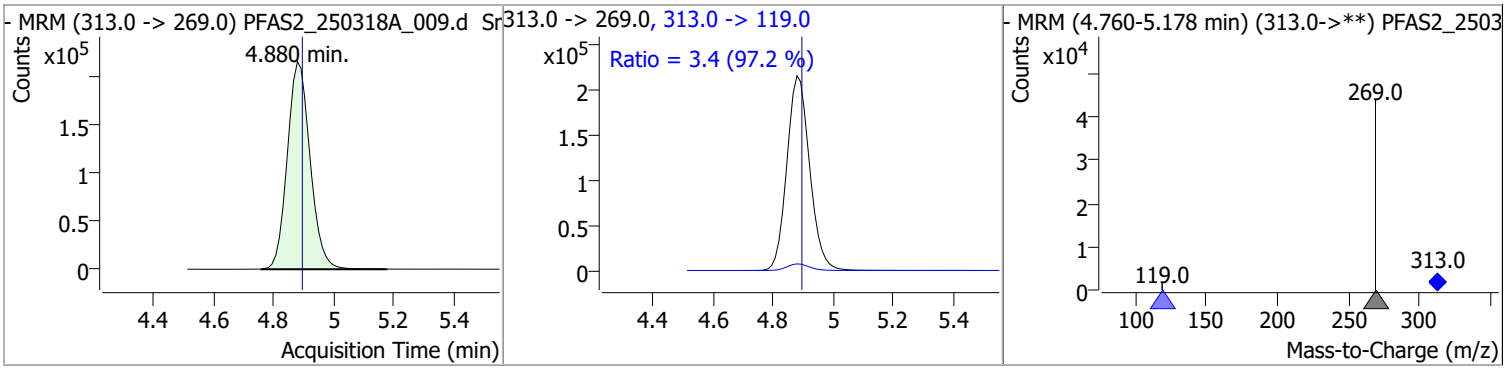
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5617	4.88	-0.01	161351	318.0 -> 120.0	1.6	1.1	2.1



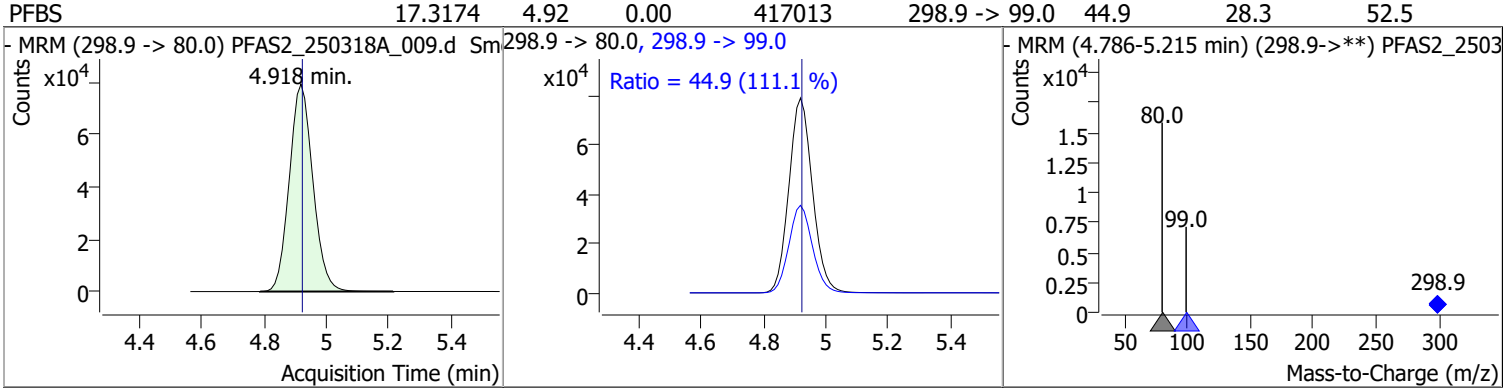
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	143053	315.0 -> 119.0	1.8	1.2	2.3



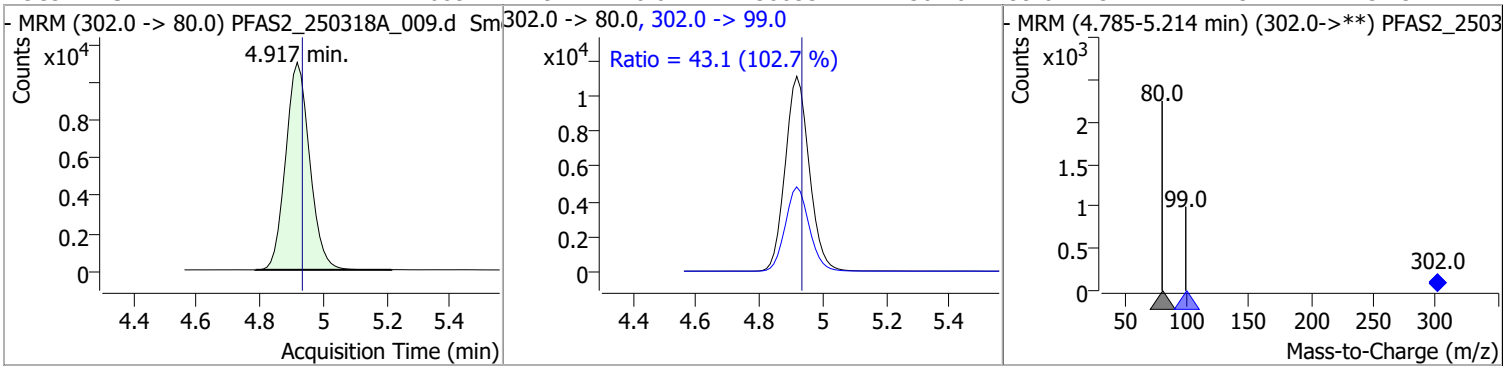
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	19.6094	4.88	-0.01	1132178	313.0 -> 119.0	3.4	2.4	4.5



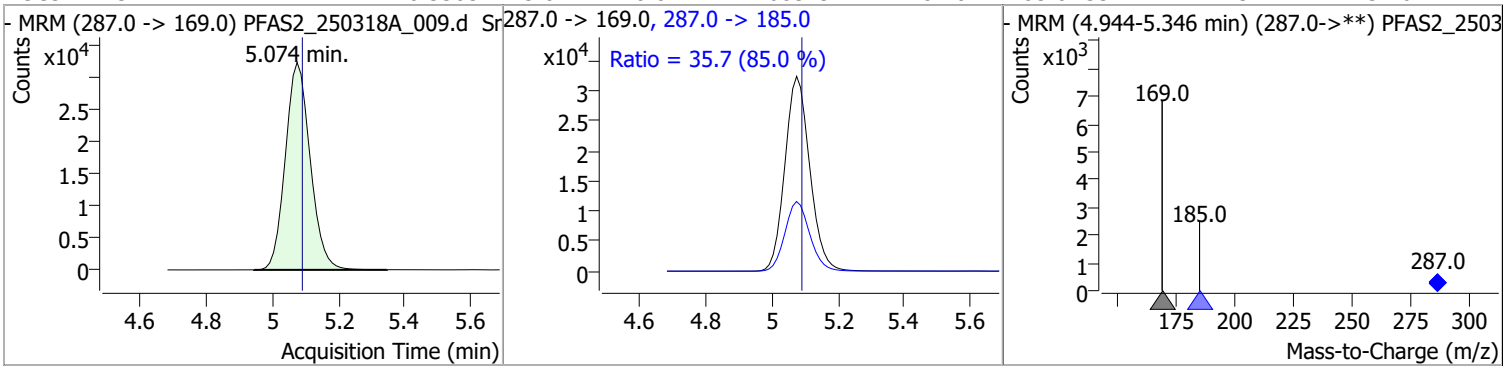
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	17.3174	4.92	0.00	417013	298.9 -> 99.0	44.9	28.3	52.5



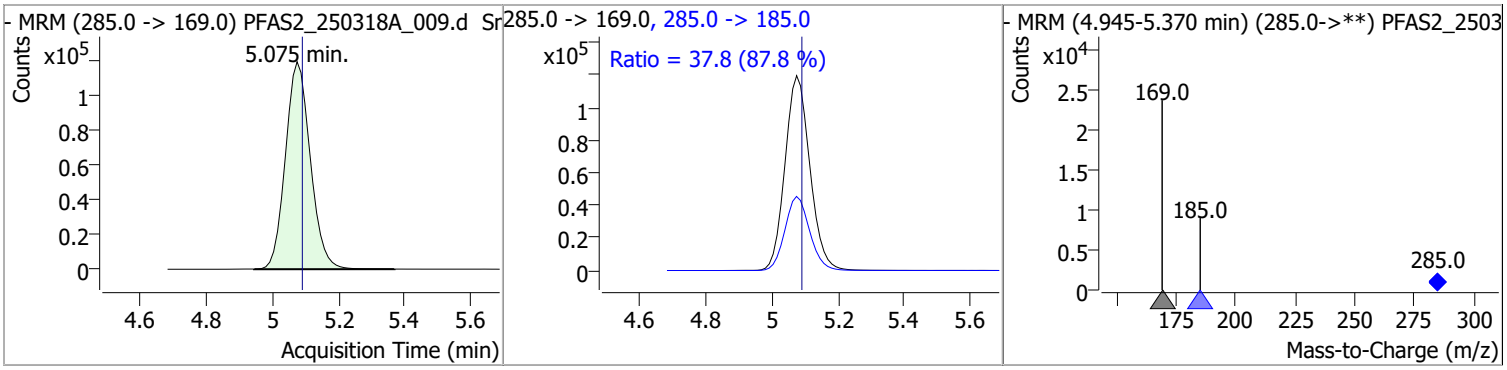
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4685	4.92	-0.01	58035	302.0 -> 99.0	43.1	29.4	54.5



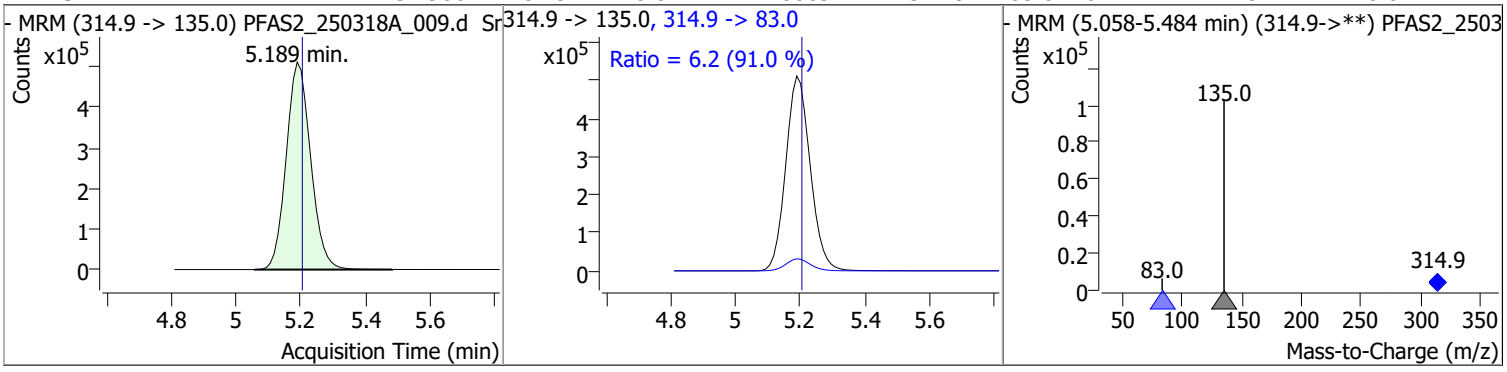
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3305	5.07	-0.01	168349	287.0 -> 185.0	35.7	29.4	54.6



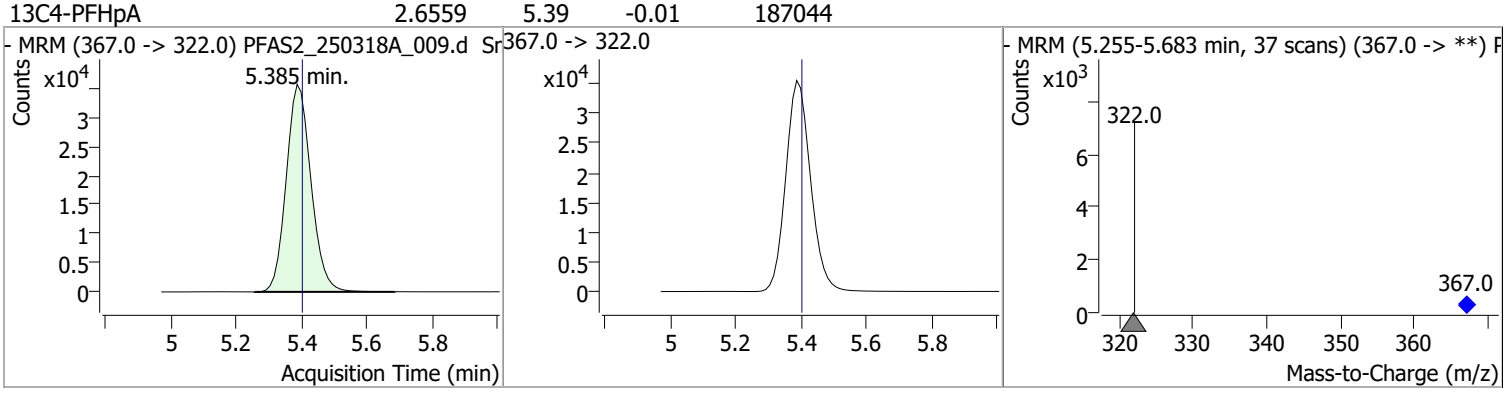
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	41.7831	5.07	-0.01	624077	285.0 -> 185.0	37.8	30.1	56.0



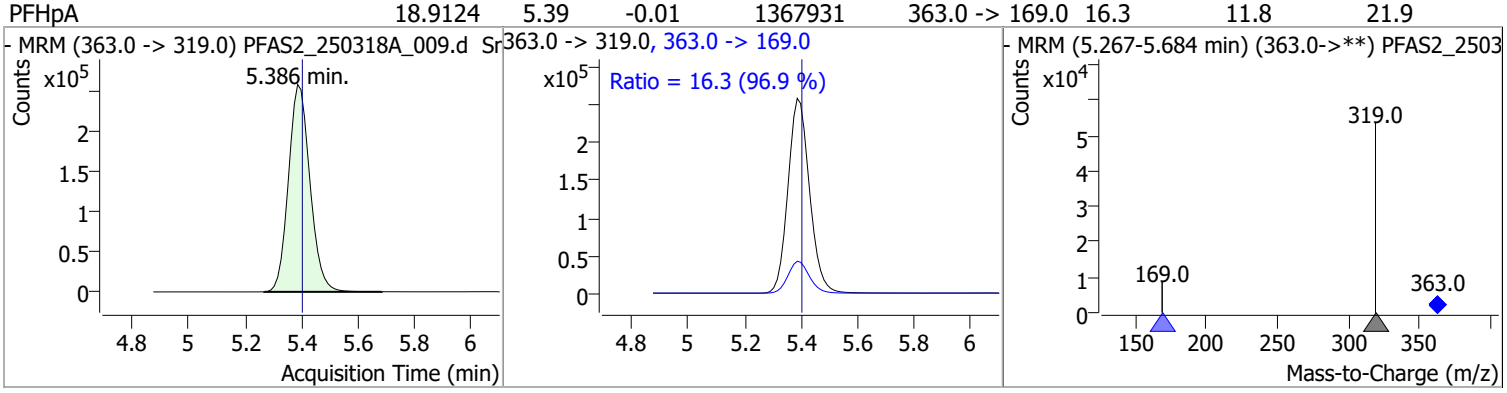
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	34.9861	5.19	-0.01	2700094	314.9 -> 83.0	6.2	4.8	8.8



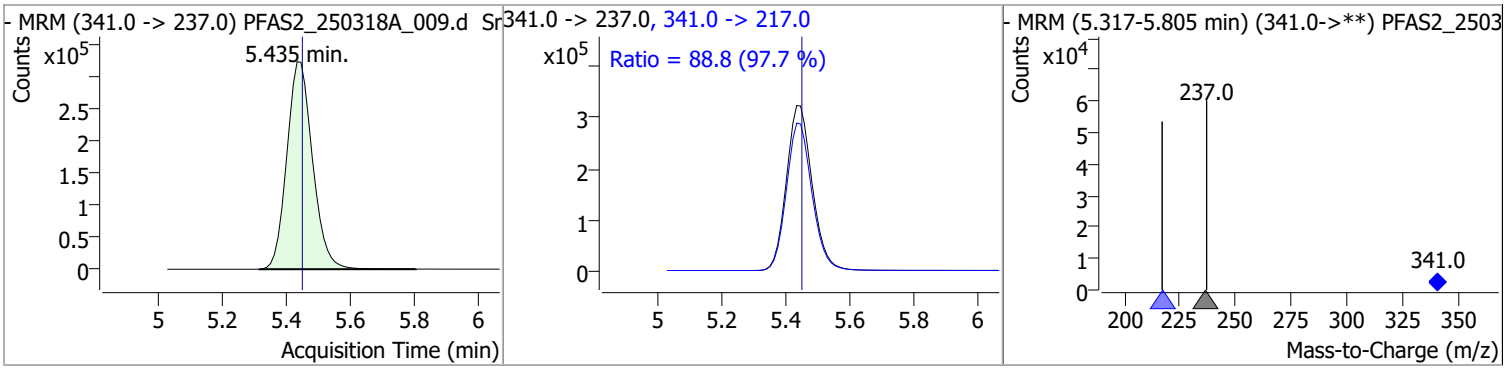
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6559	5.39	-0.01	187044				



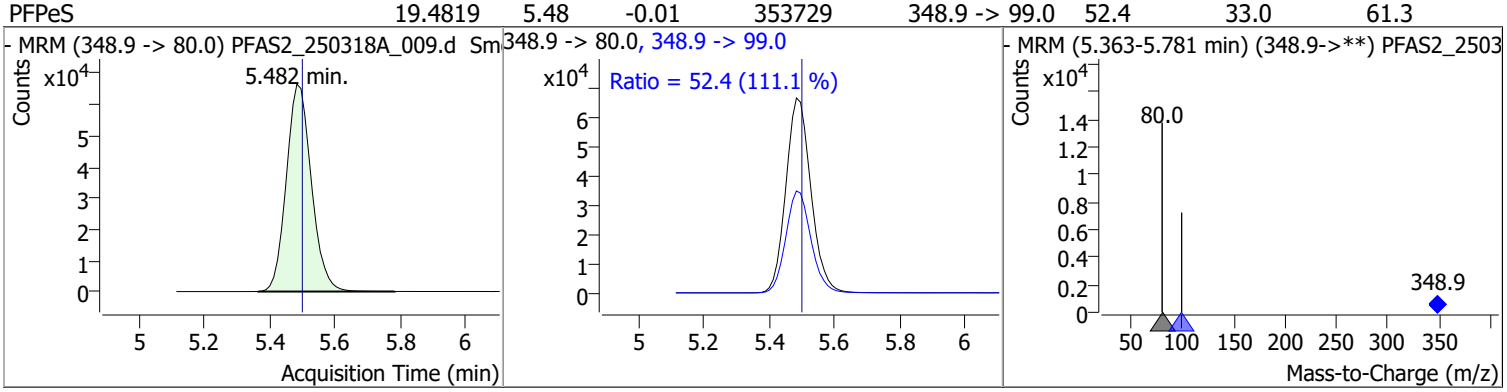
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	18.9124	5.39	-0.01	1367931	363.0 -> 169.0	16.3	11.8	21.9



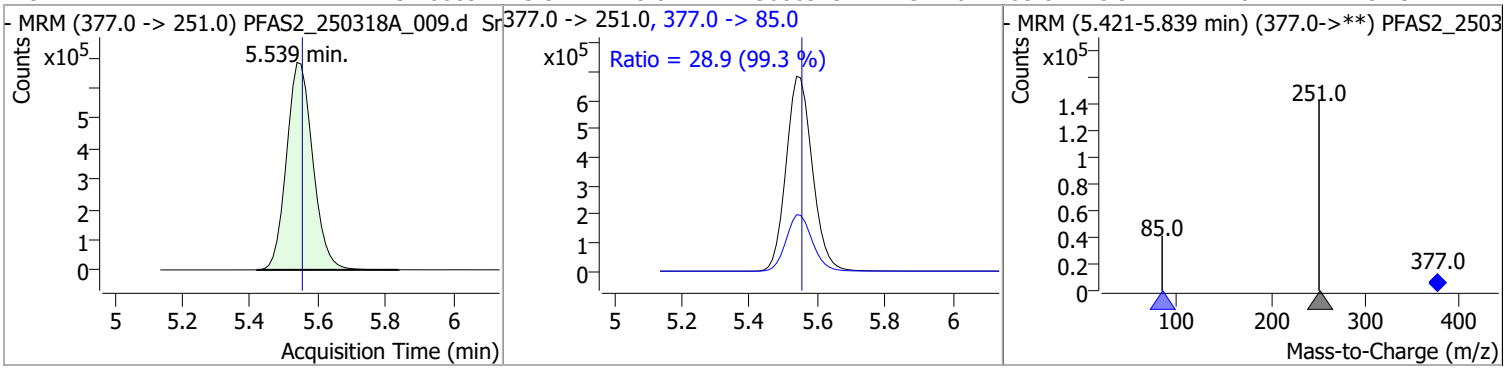
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	387.1574	5.43	-0.01	1804332	341.0 -> 217.0	88.8	63.6	118.1



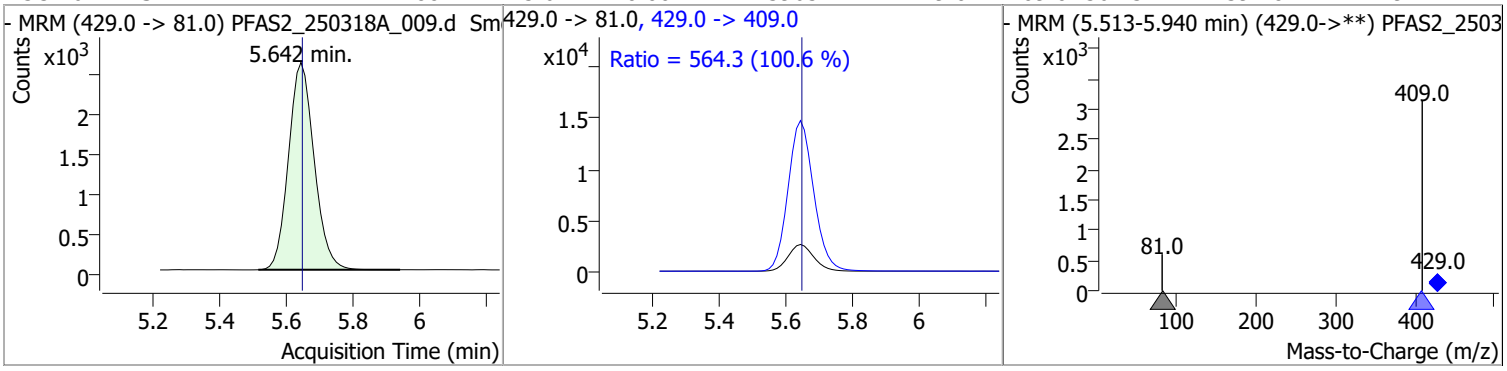
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	19.4819	5.48	-0.01	353729	348.9 -> 99.0	52.4	33.0	61.3



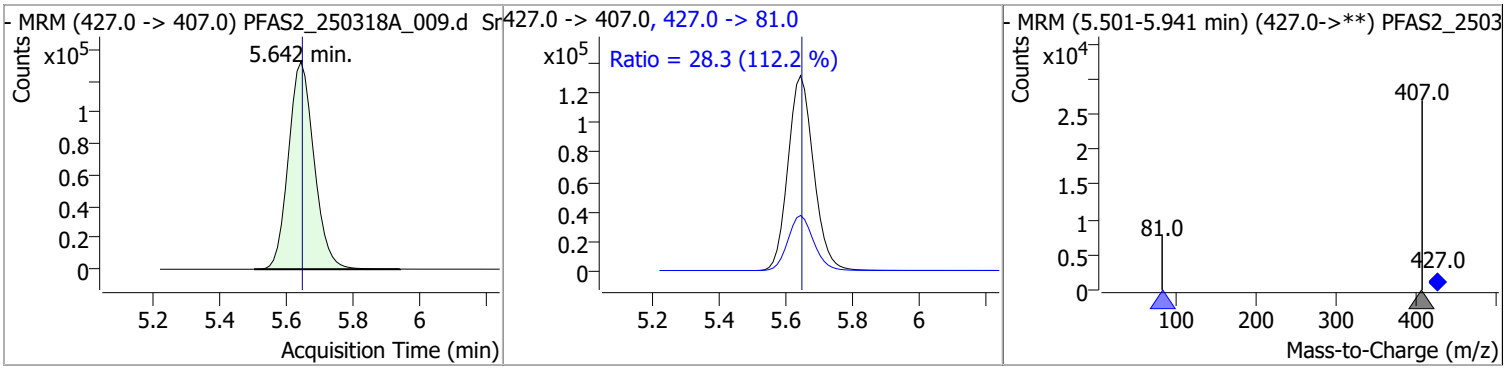
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	37.0809	5.54	-0.01	3686949	377.0 -> 85.0	28.9	20.4	37.9



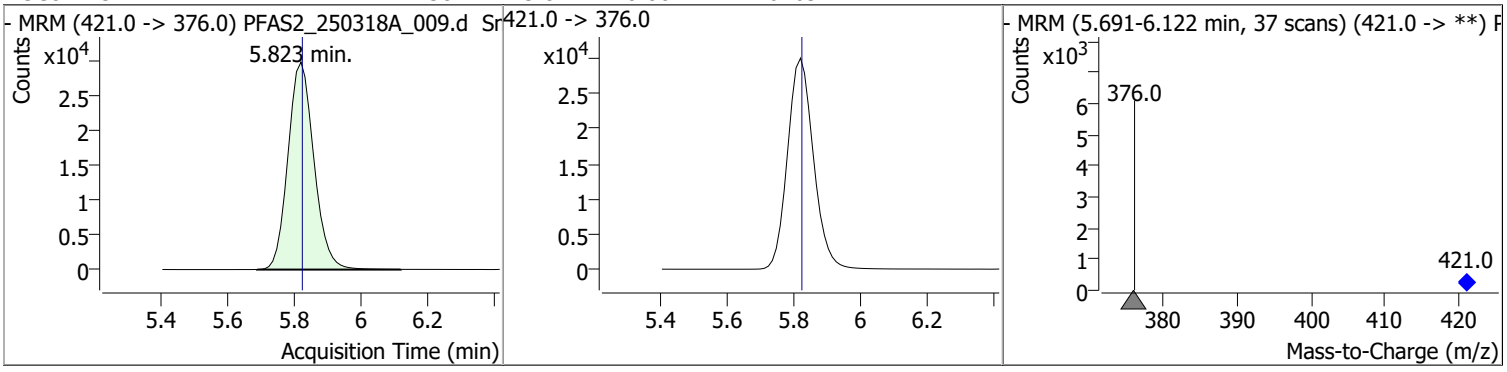
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8847	5.64	0.00	13965	429.0 -> 409.0	564.3	392.8	729.4



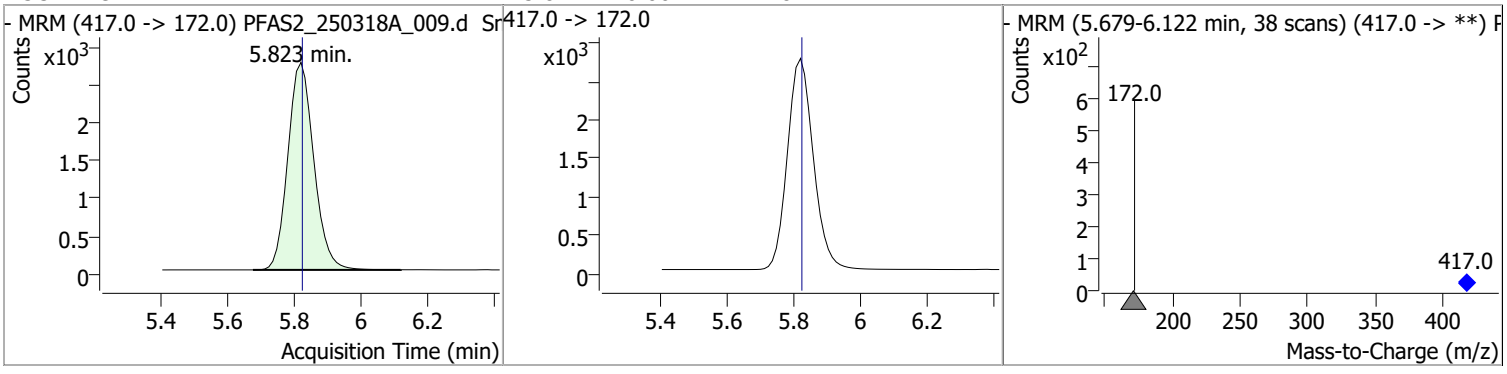
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	75.0667	5.64	0.00	705588	427.0 -> 81.0	28.3	17.7	32.8



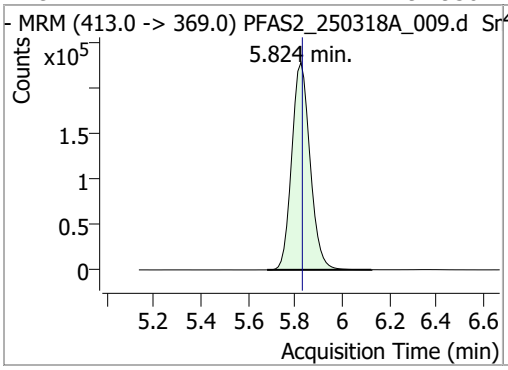
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4387	5.82	0.00	161692				

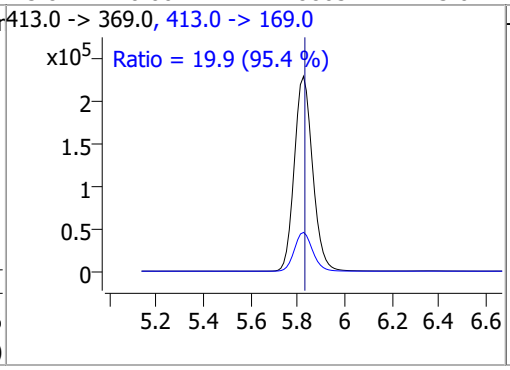


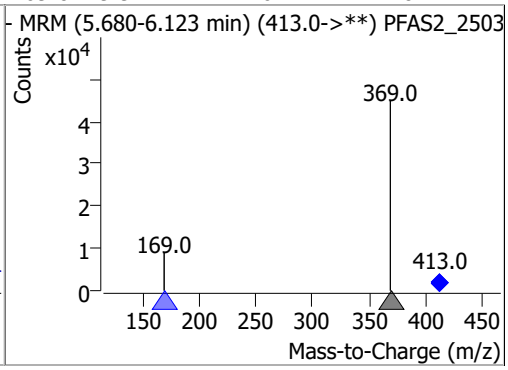
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14827				



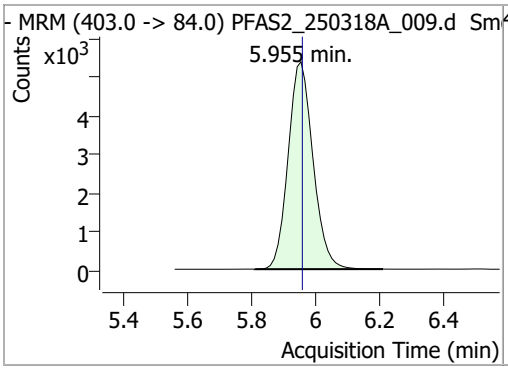
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	19.1930	5.82	0.00	1228805	413.0 -> 169.0	19.9	14.6	27.0

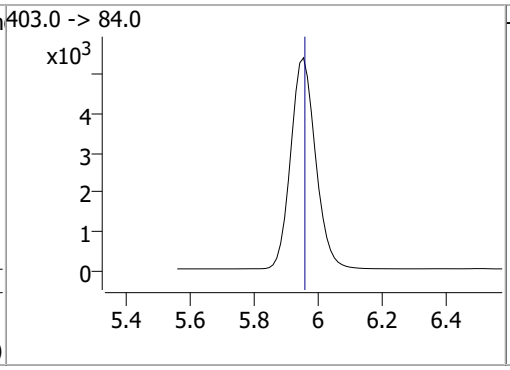


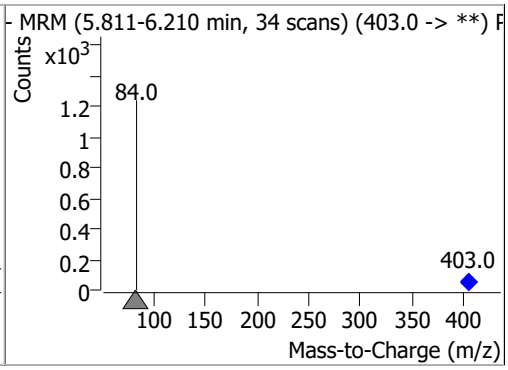




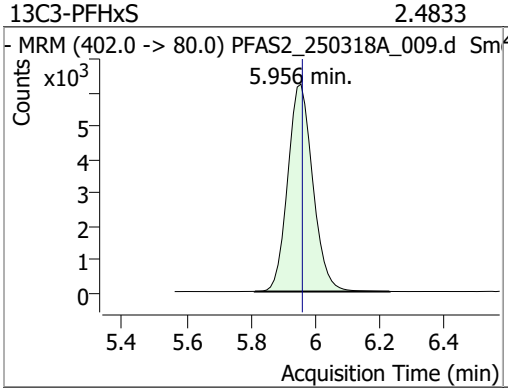
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28710				

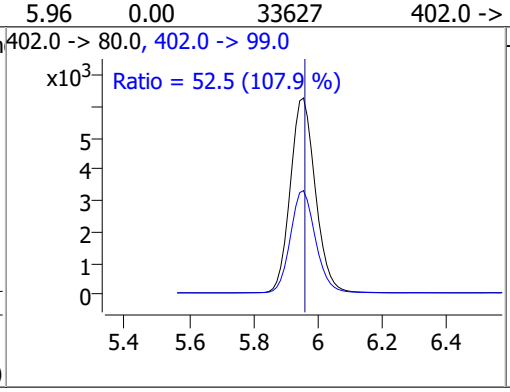


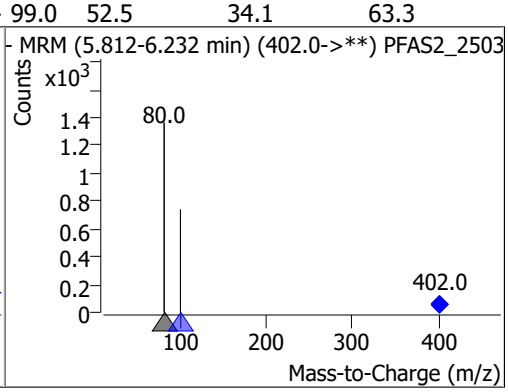




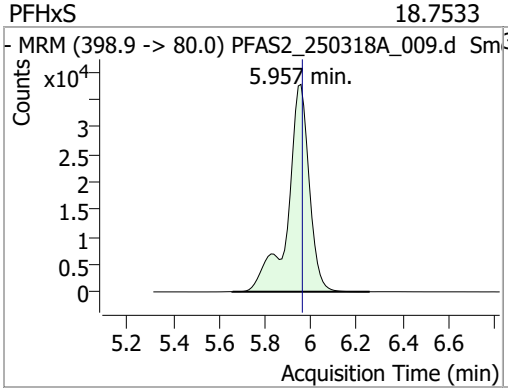
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4833	5.96	0.00	33627	402.0 -> 99.0	52.5	34.1	63.3

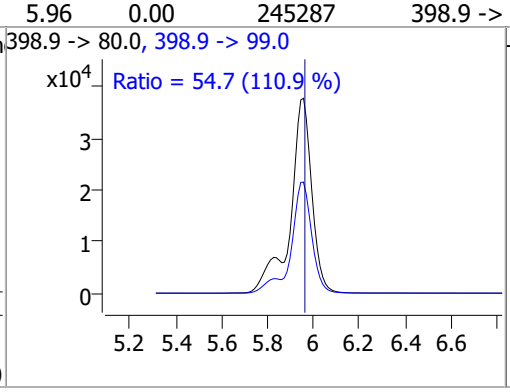


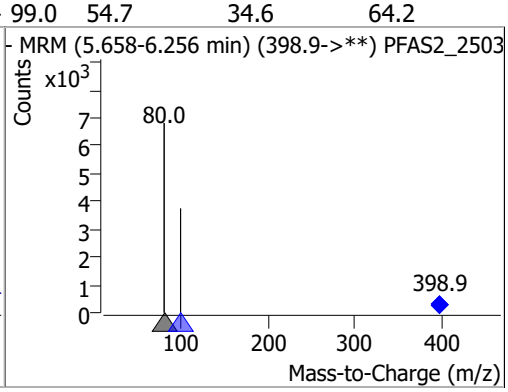




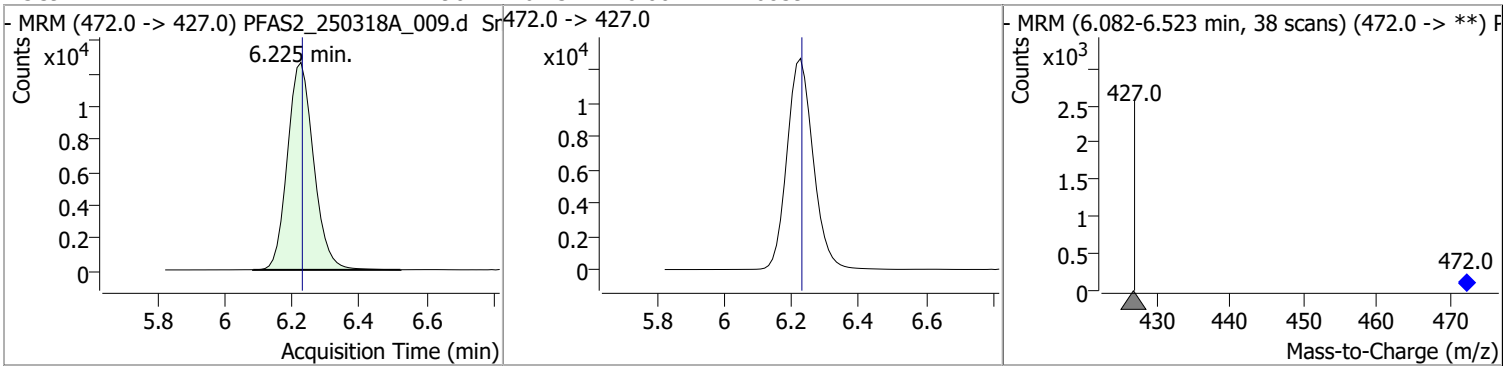
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	18.7533	5.96	0.00	245287	398.9 -> 99.0	54.7	34.6	64.2



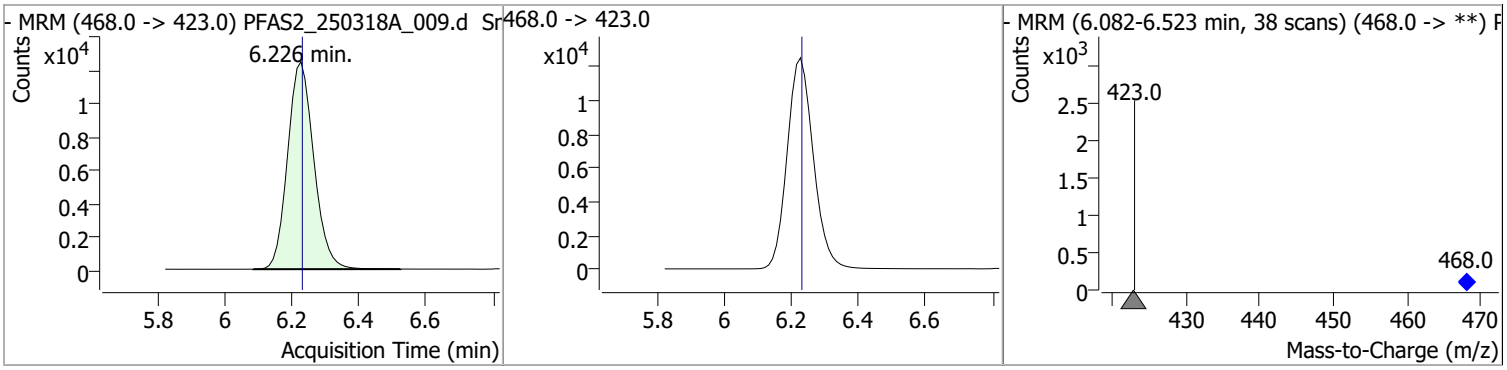




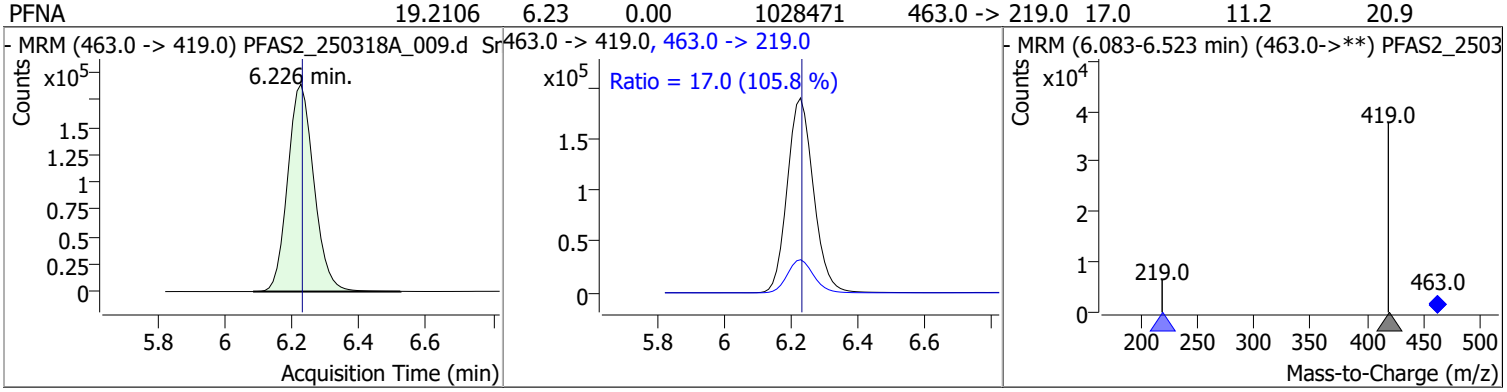
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2790	6.23	0.00	68592				



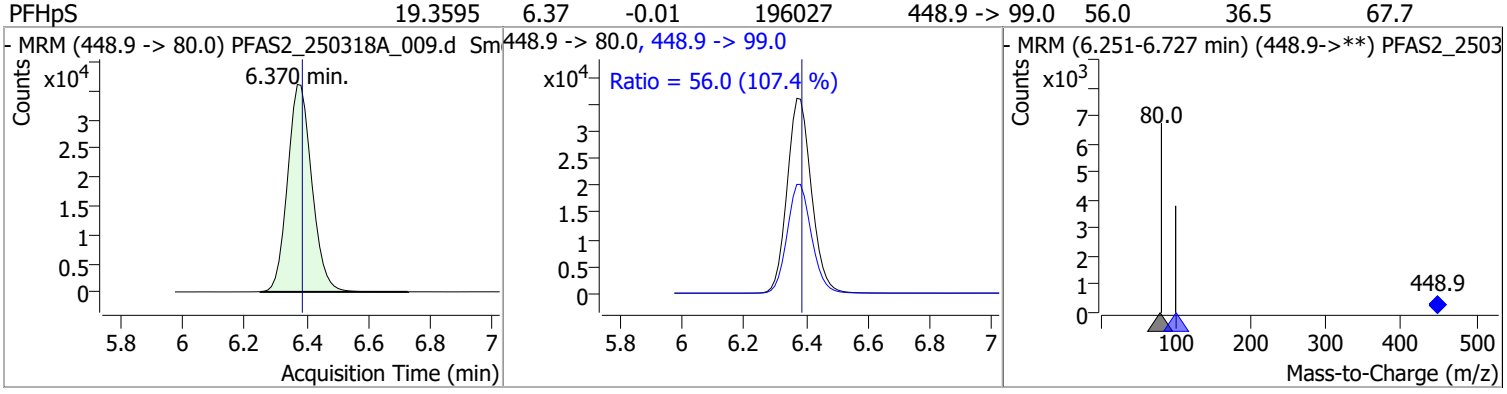
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	67680				



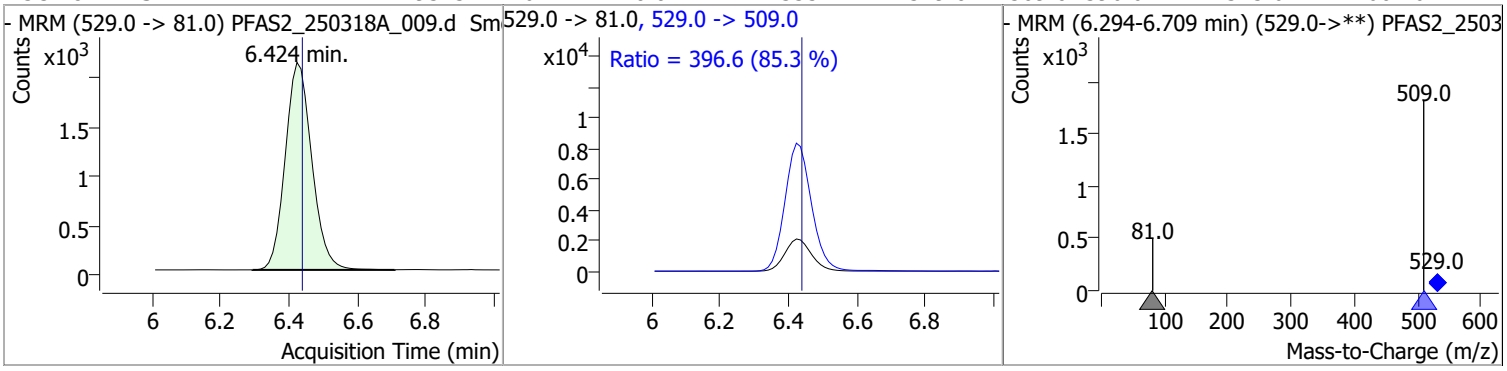
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	19.2106	6.23	0.00	1028471	463.0 -> 219.0	17.0	11.2	20.9



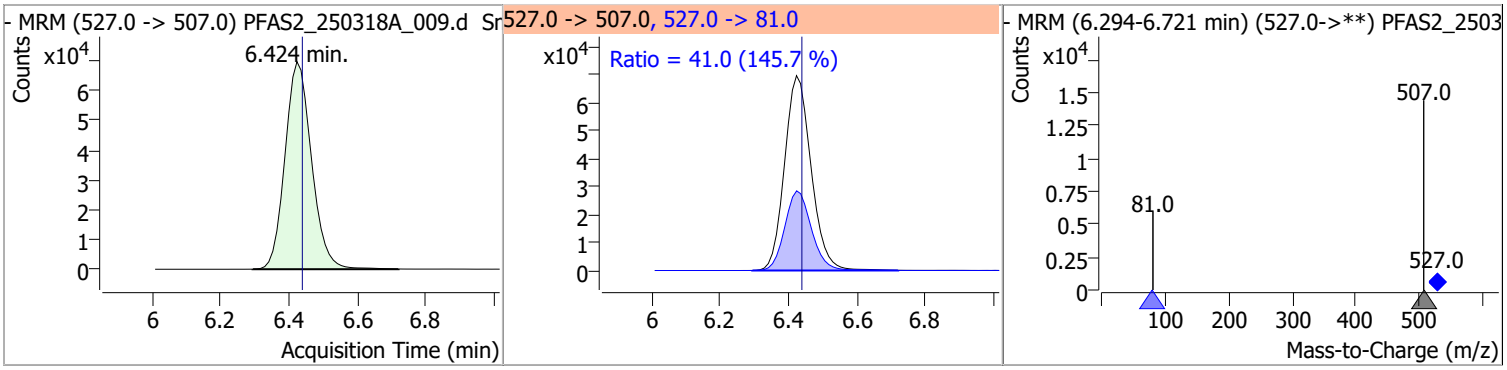
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	19.3595	6.37	-0.01	196027	448.9 -> 99.0	56.0	36.5	67.7



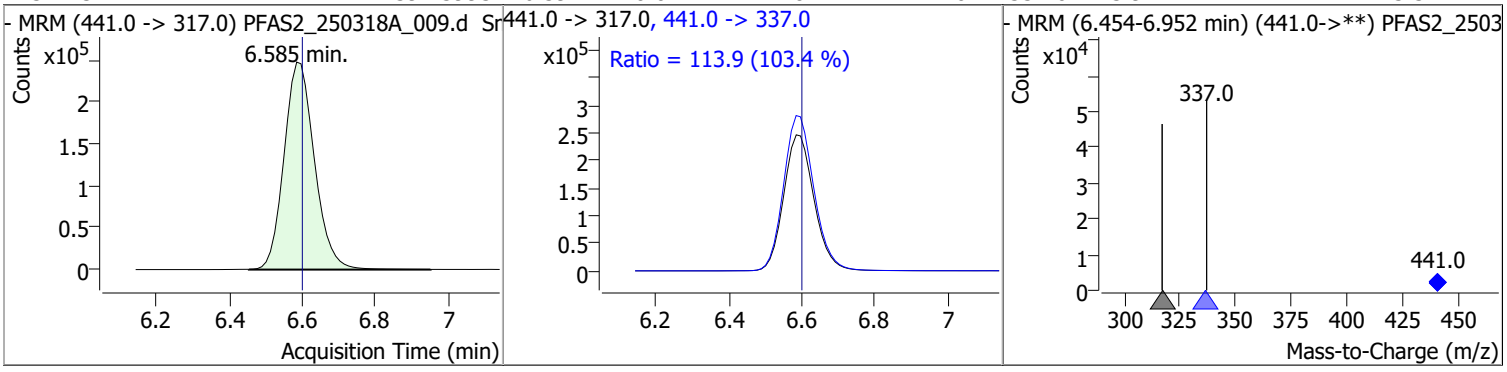
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9313	6.42	-0.01	11335	529.0 -> 509.0	396.6	325.6	604.6



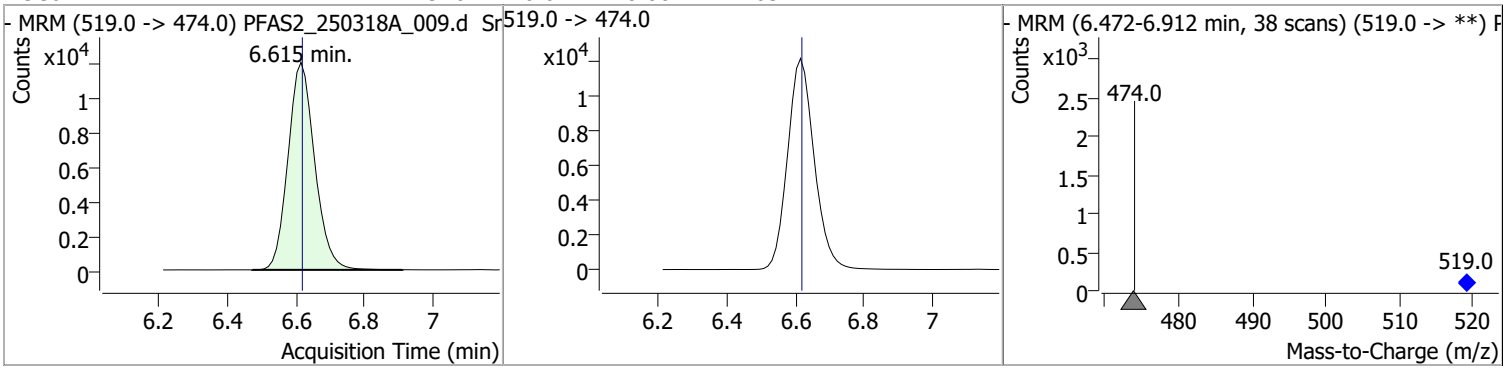
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	77.9095	6.42	-0.01	376101	527.0 -> 81.0	41.0	19.7	36.6



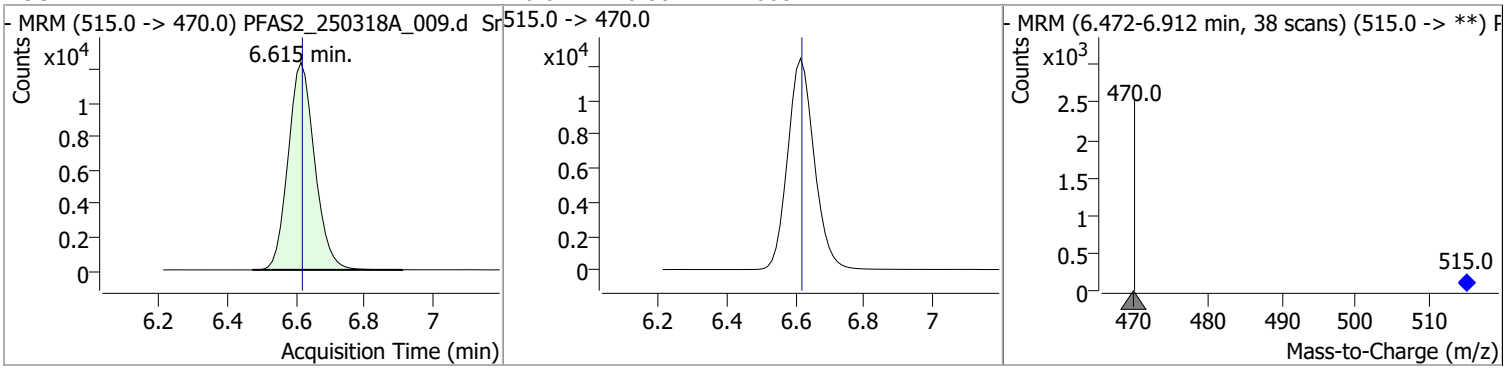
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	397.3993	6.59	-0.01	1428744	441.0 -> 337.0	113.9	77.1	143.3



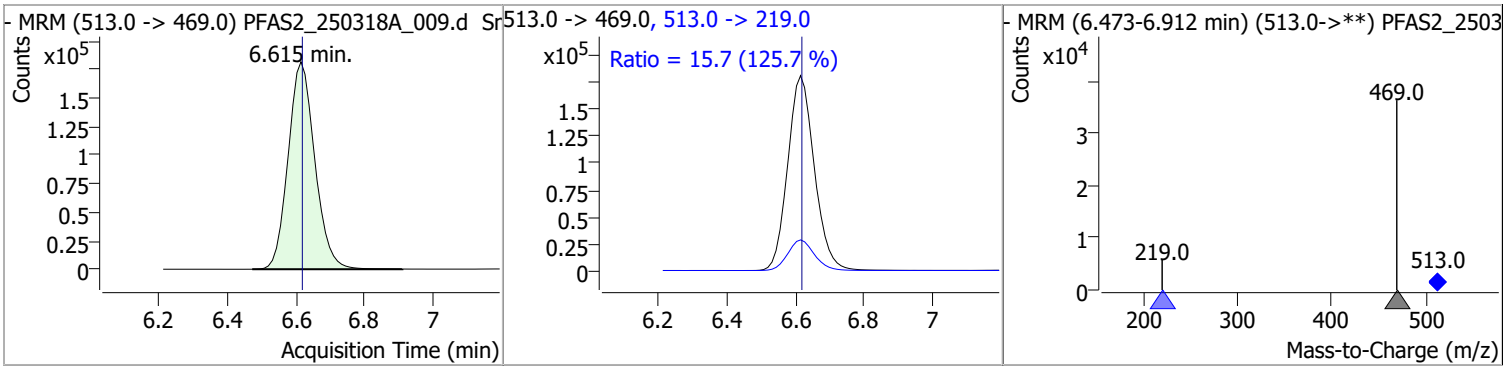
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1976	6.61	0.00	65111				



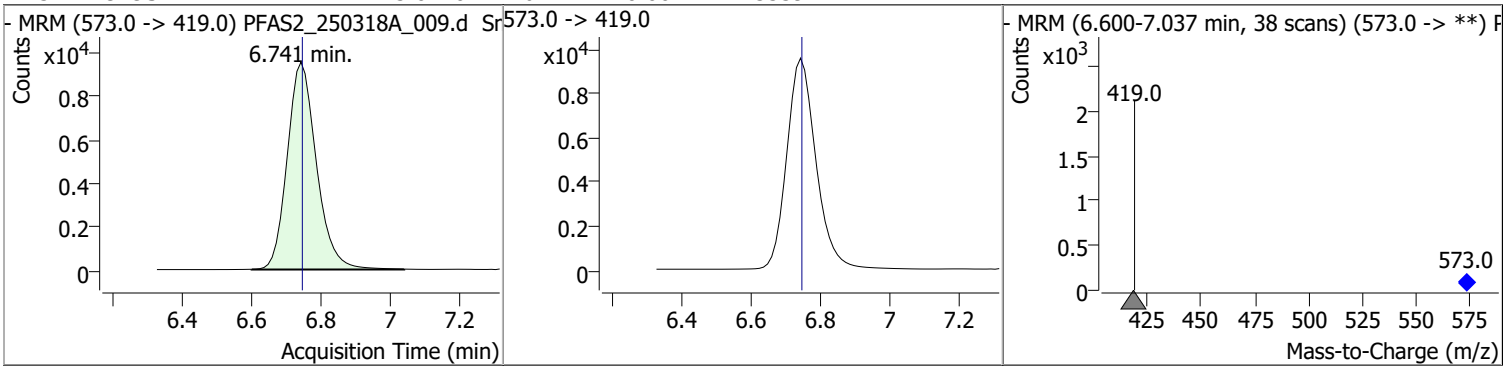
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66814				



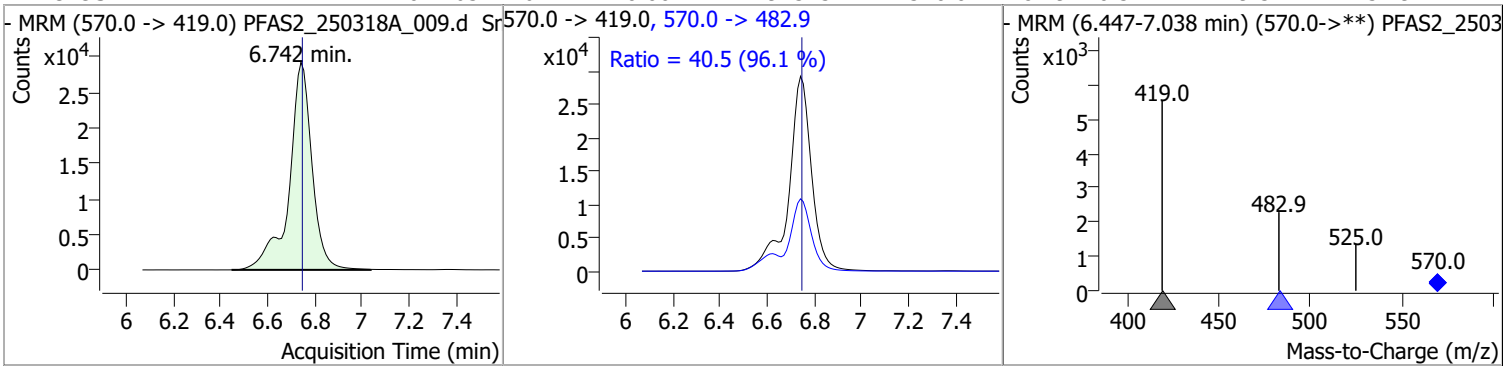
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	20.1879	6.62	0.00	983343	513.0 -> 219.0	15.7	8.7	16.2



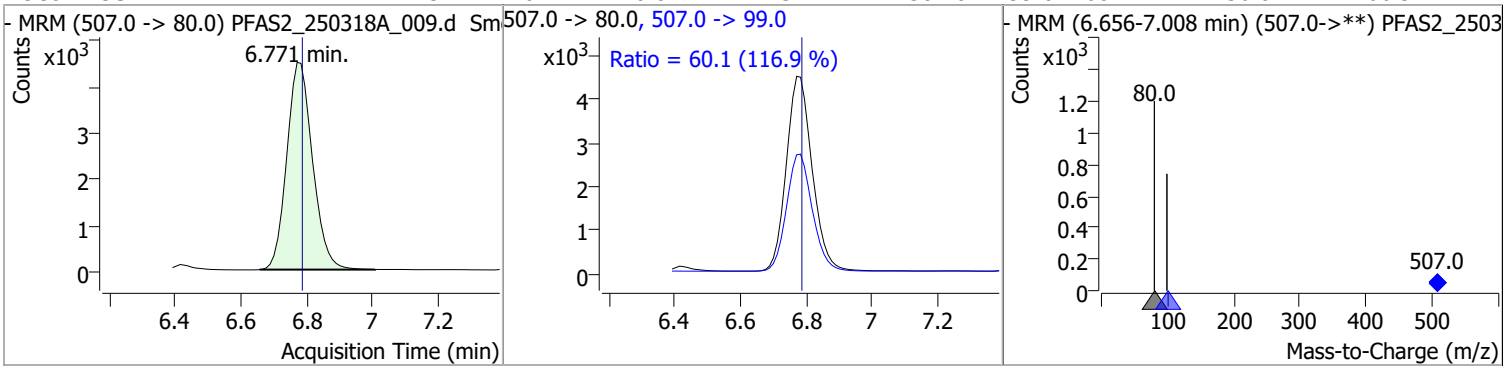
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0470	6.74	0.00	55394				



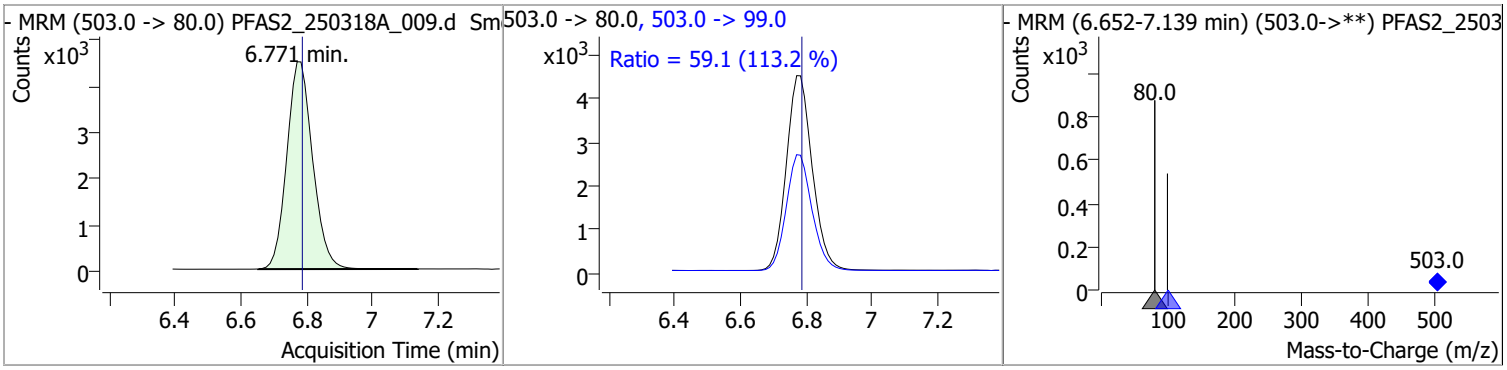
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	20.1763	6.74	0.00	197575	570.0 -> 482.9	40.5	29.5	54.9



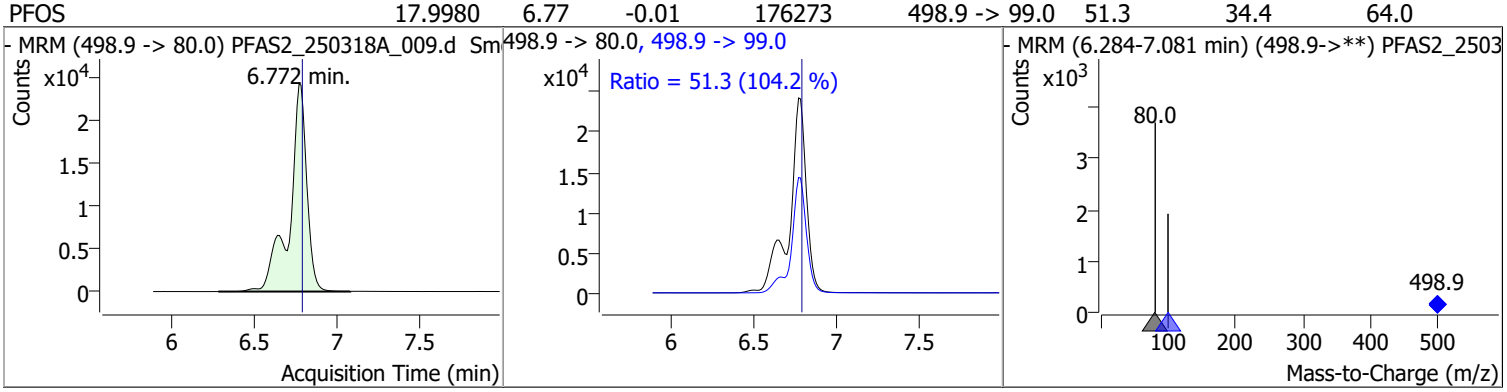
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4521	6.77	-0.01	24344	507.0 -> 99.0	60.1	36.0	66.9



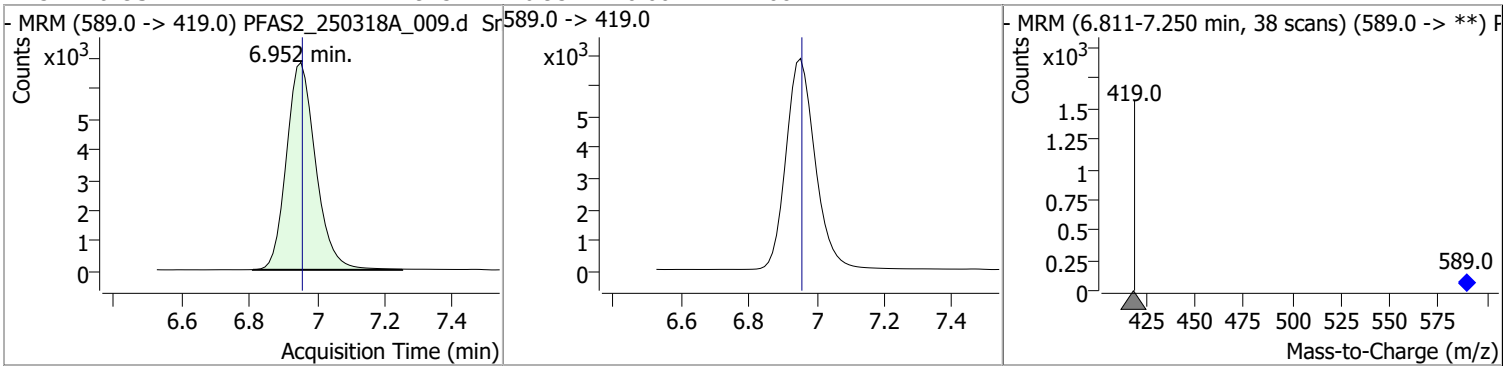
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24461	503.0 -> 99.0	59.1	36.6	67.9



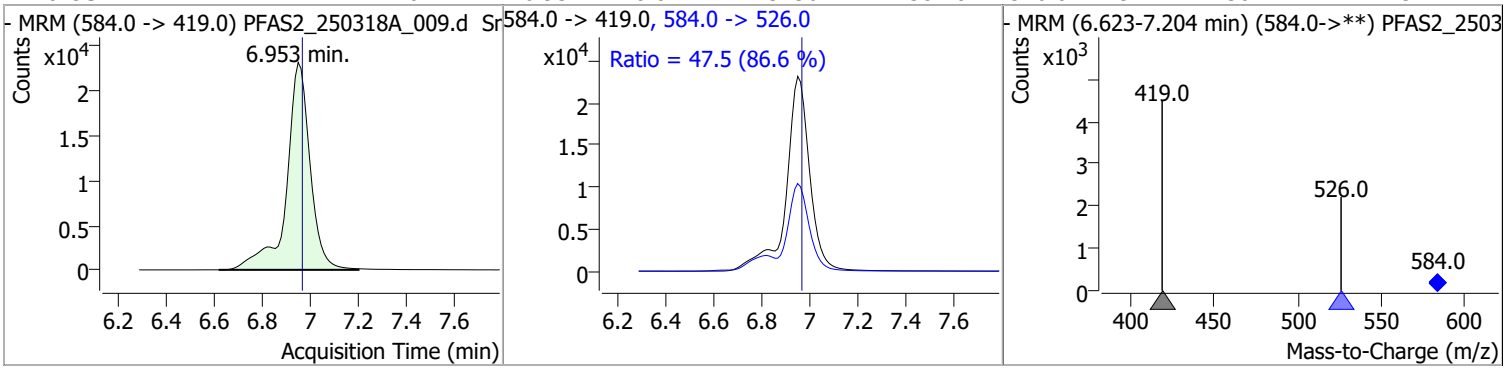
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	17.9980	6.77	-0.01	176273	498.9 -> 99.0	51.3	34.4	64.0



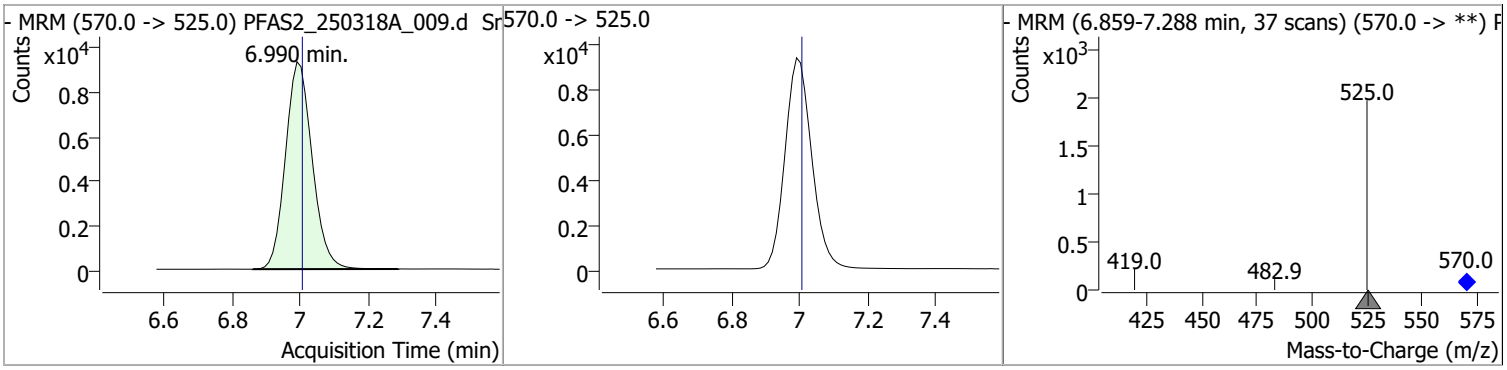
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9251	6.95	0.00	40811				



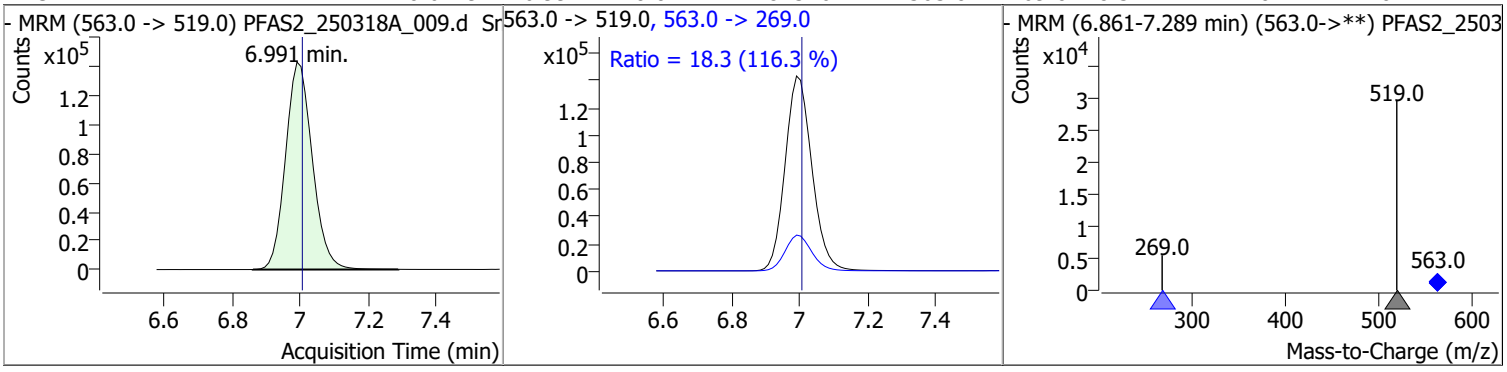
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	20.4122	6.95	-0.01	157562	584.0 -> 526.0	47.5	38.4	71.3



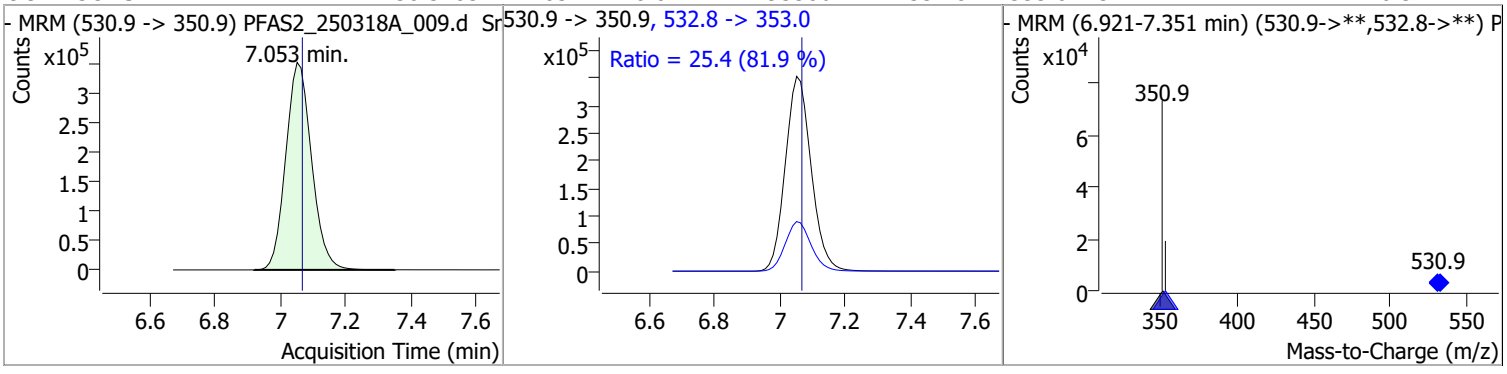
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1896	6.99	-0.01	50975				



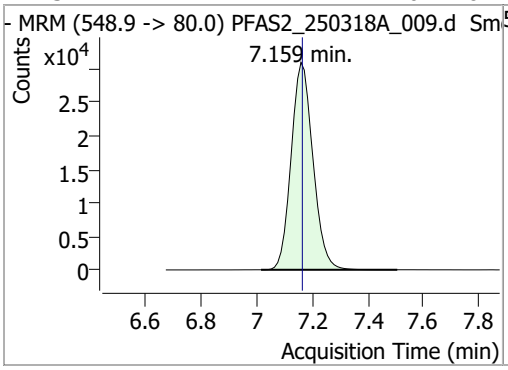
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	20.6749	6.99	-0.01	784516	563.0 -> 269.0	18.3	11.0	20.4

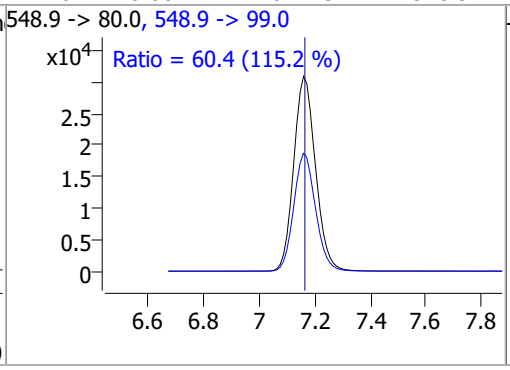


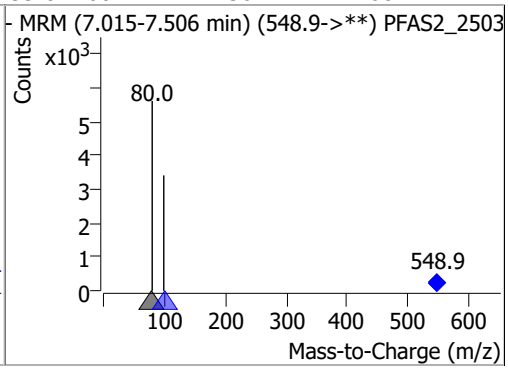
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	38.3783	7.05	-0.01	1935862	532.8 -> 353.0	25.4	21.7	40.3



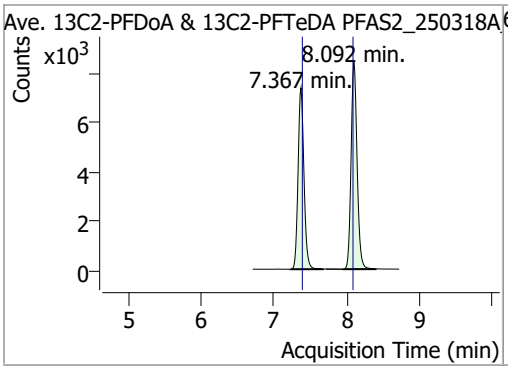
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	20.1428	7.16	0.00	167273	548.9 -> 99.0	60.4	36.7	68.1

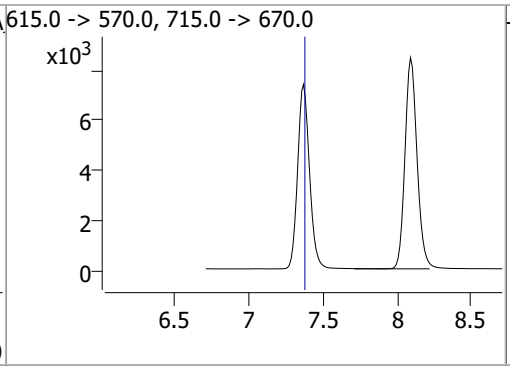


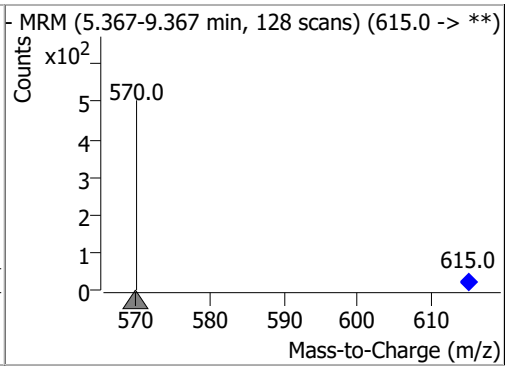




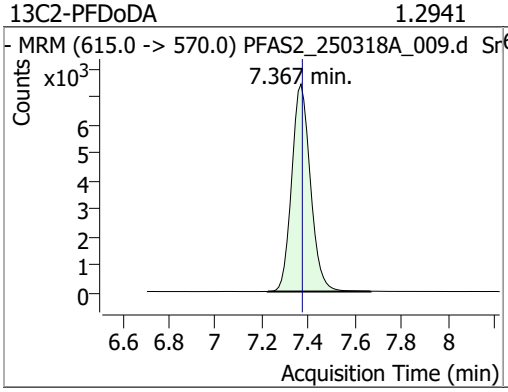
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2676	7.73	0.36	44769				

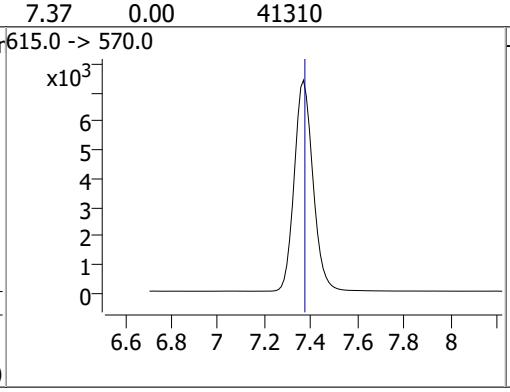


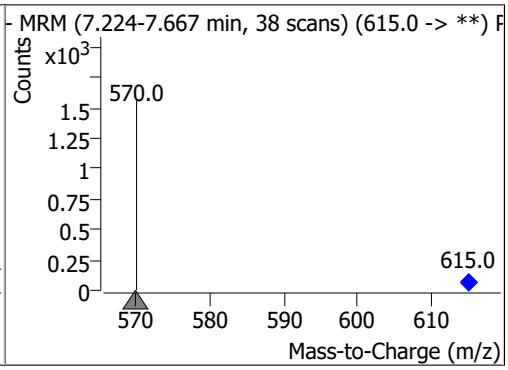




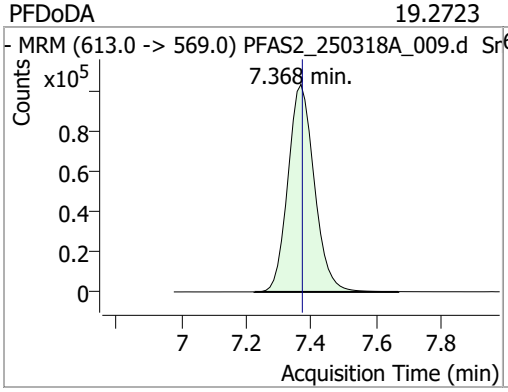
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2941	7.37	0.00	41310				

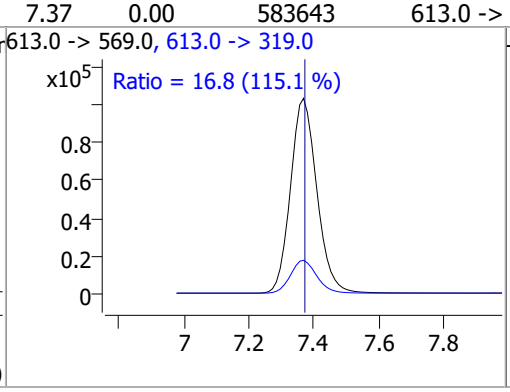


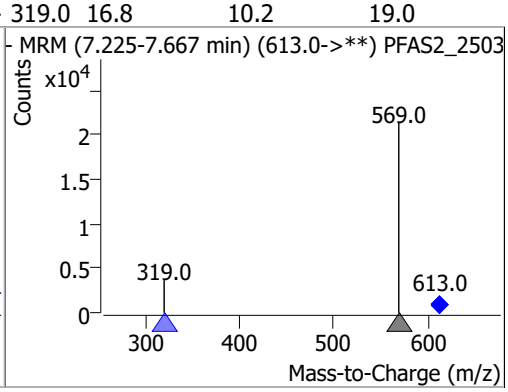




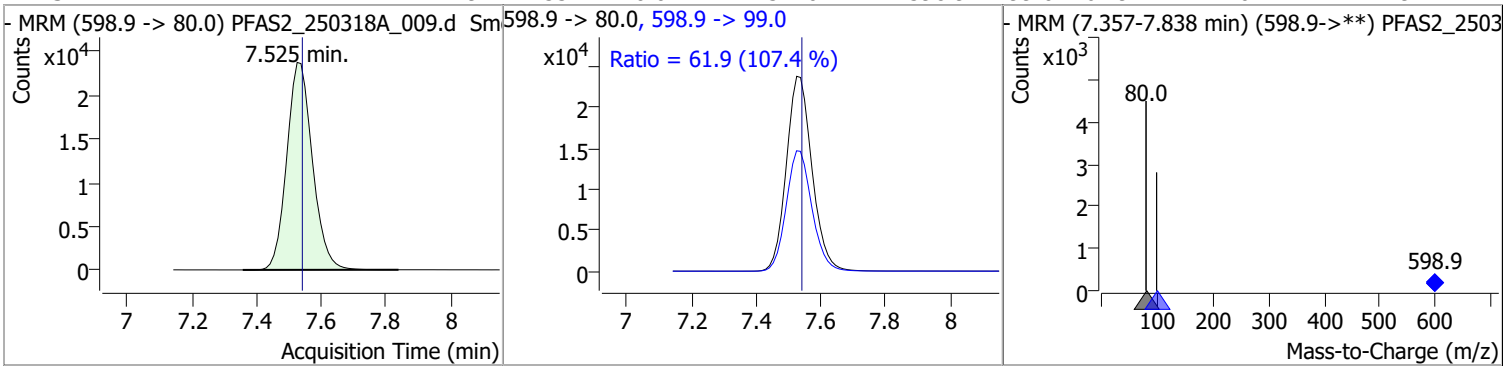
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	19.2723	7.37	0.00	583643	613.0 -> 319.0	16.8	10.2	19.0



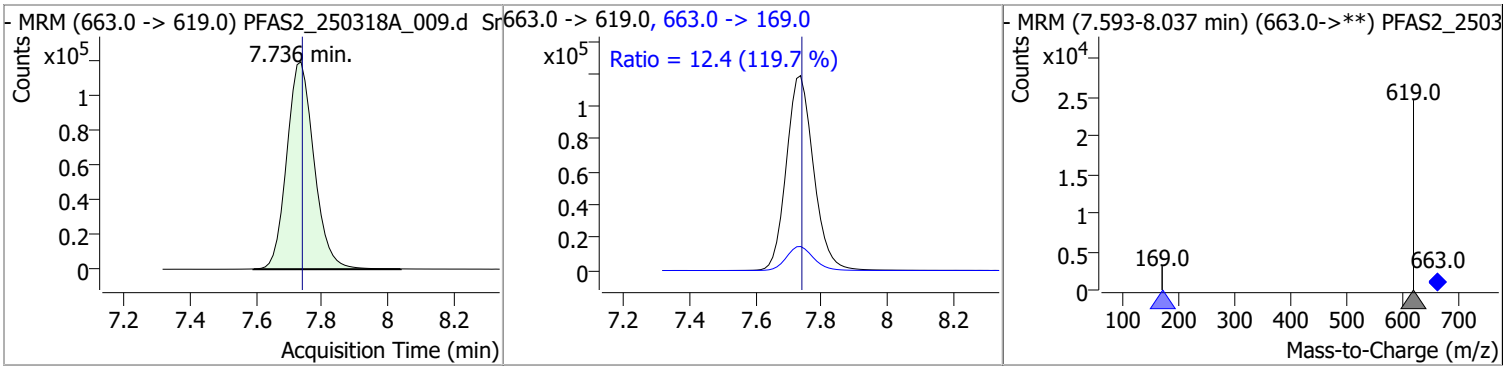




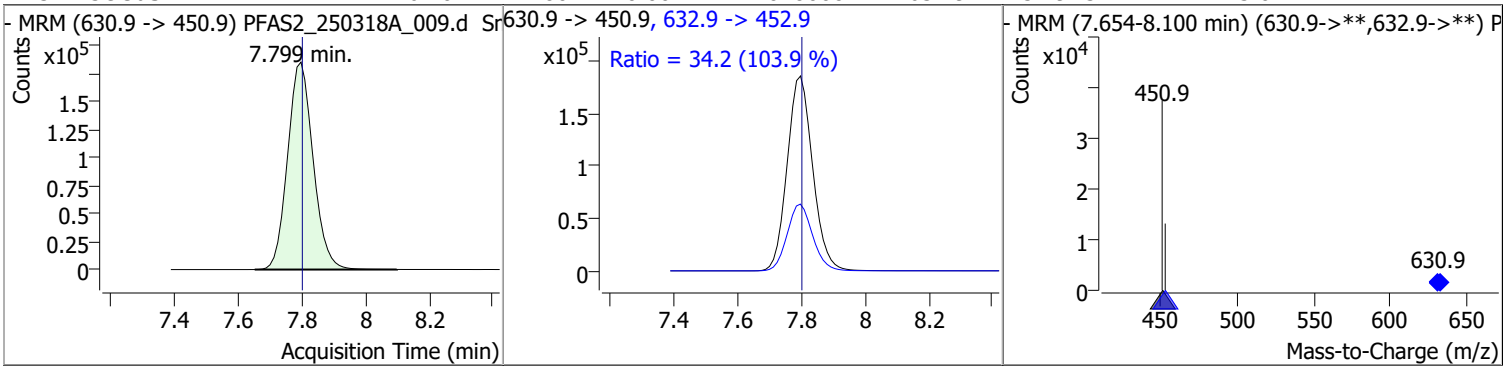
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	21.1449	7.53	-0.01	131201	598.9 -> 99.0	61.9	40.4	74.9



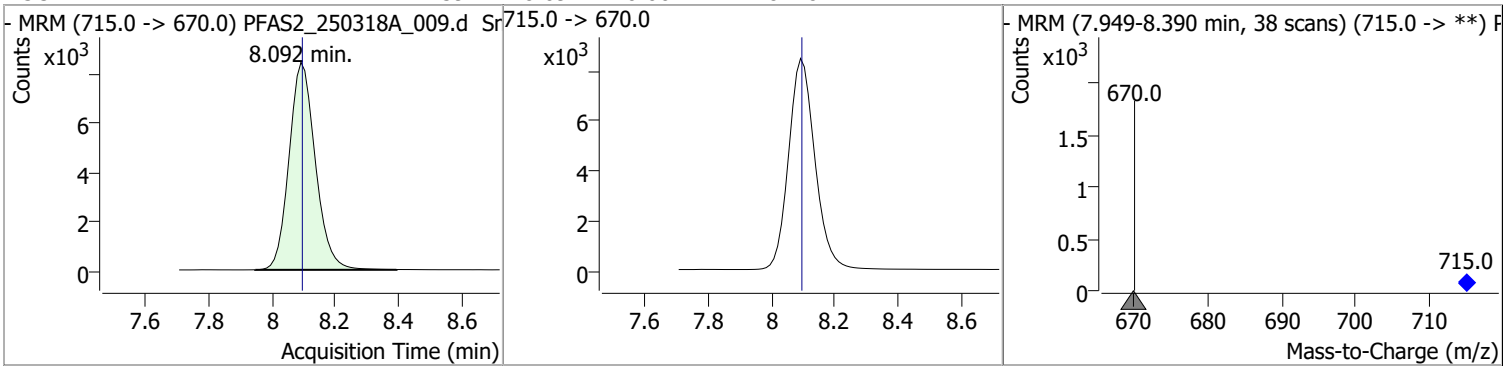
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	20.0584	7.74	0.00	676618	663.0 -> 169.0	12.4	7.2	13.4



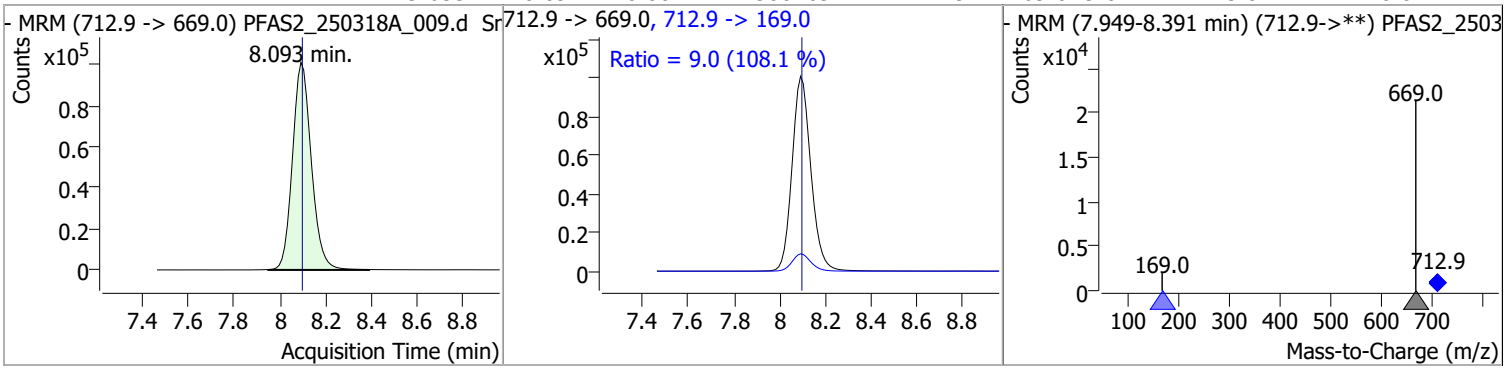
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	46.1014	7.80	0.00	1028008	632.9 -> 452.9	34.2	23.0	42.7



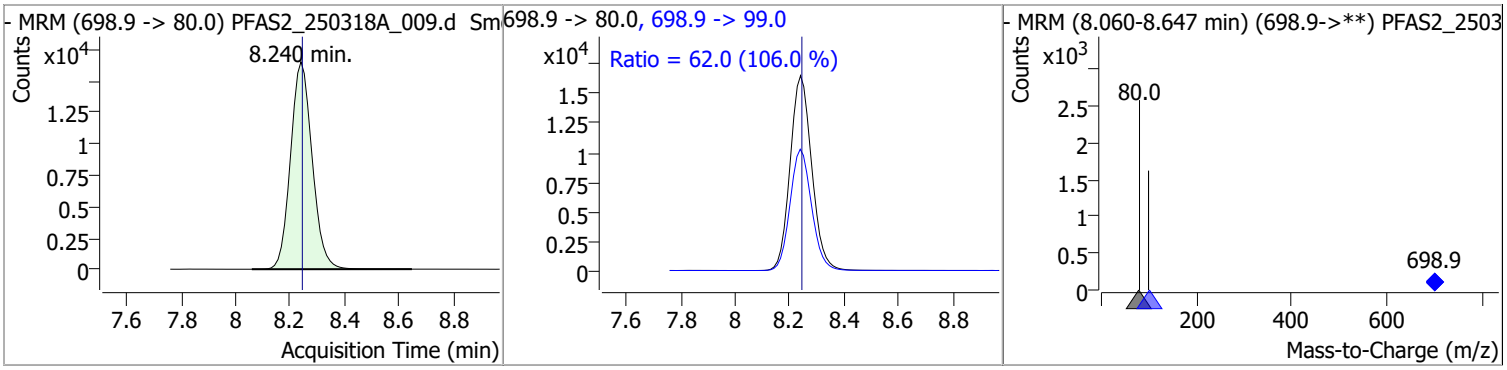
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2459	8.09	0.00	48228				



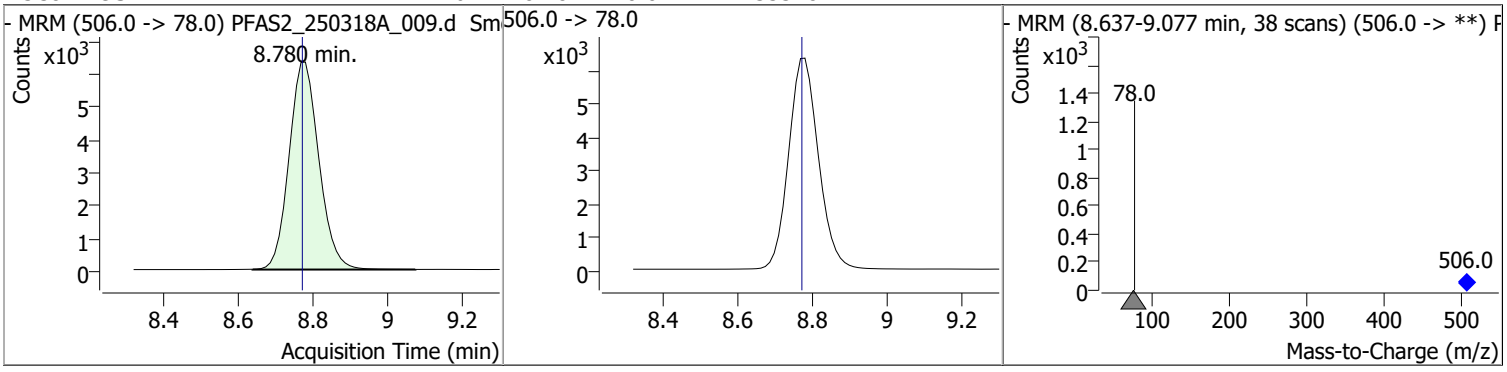
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	19.6534	8.09	0.00	580109	712.9 -> 169.0	9.0	5.8	10.8



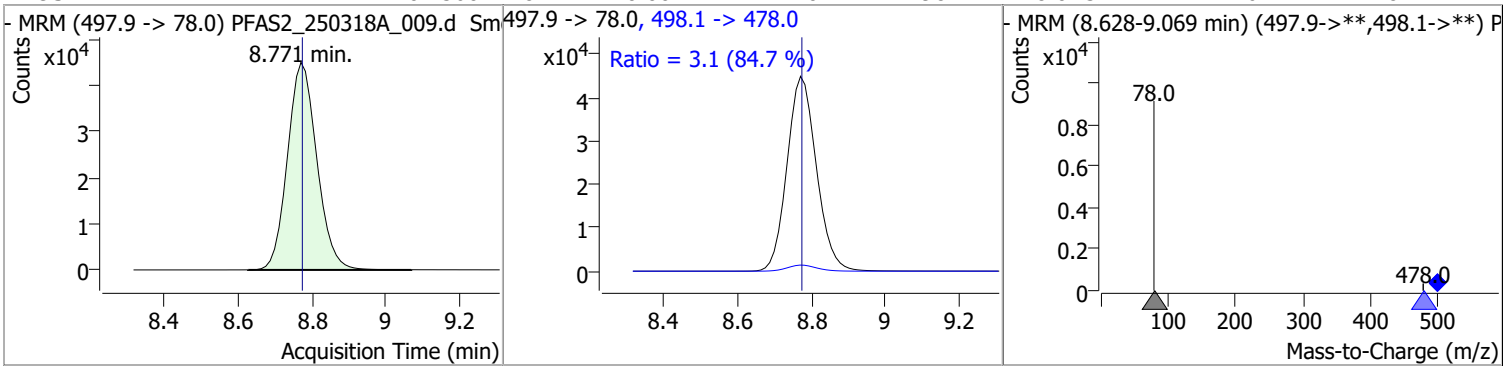
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	20.8572	8.24	0.00	90496	698.9 -> 99.0	62.0	41.0	76.1



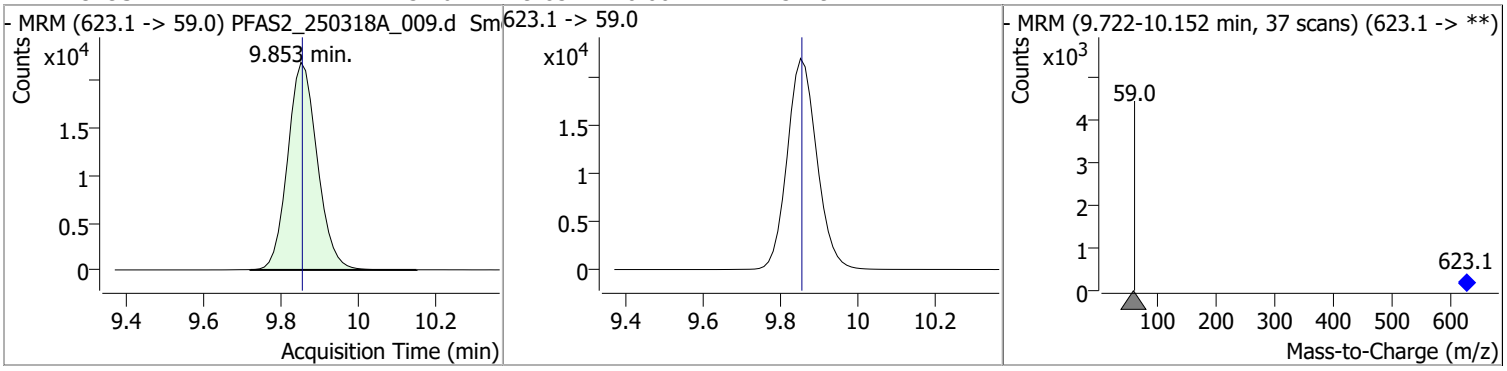
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4276	8.78	0.01	35318				



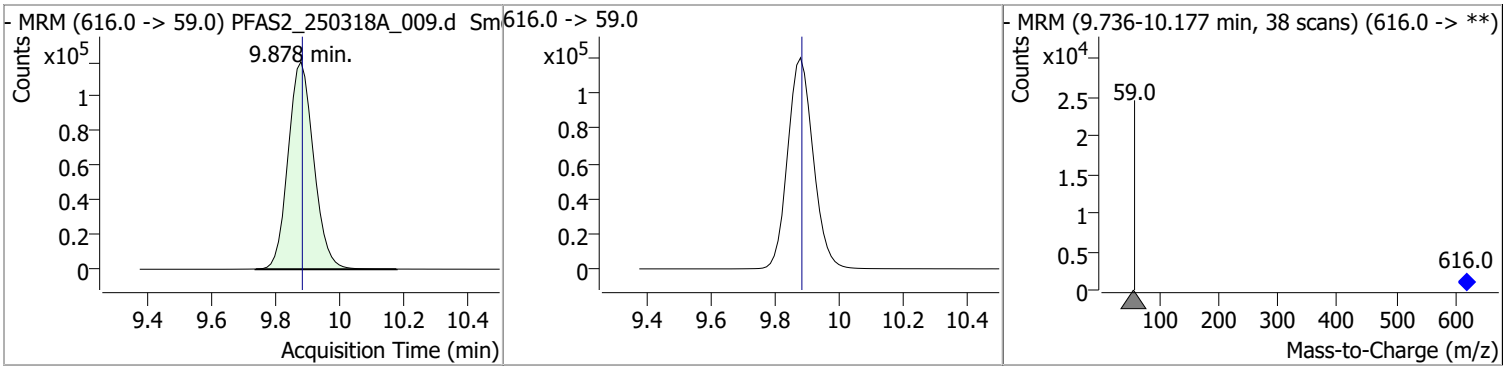
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	20.1560	8.77	0.00	247404	498.1 -> 478.0	3.1	2.6	4.8



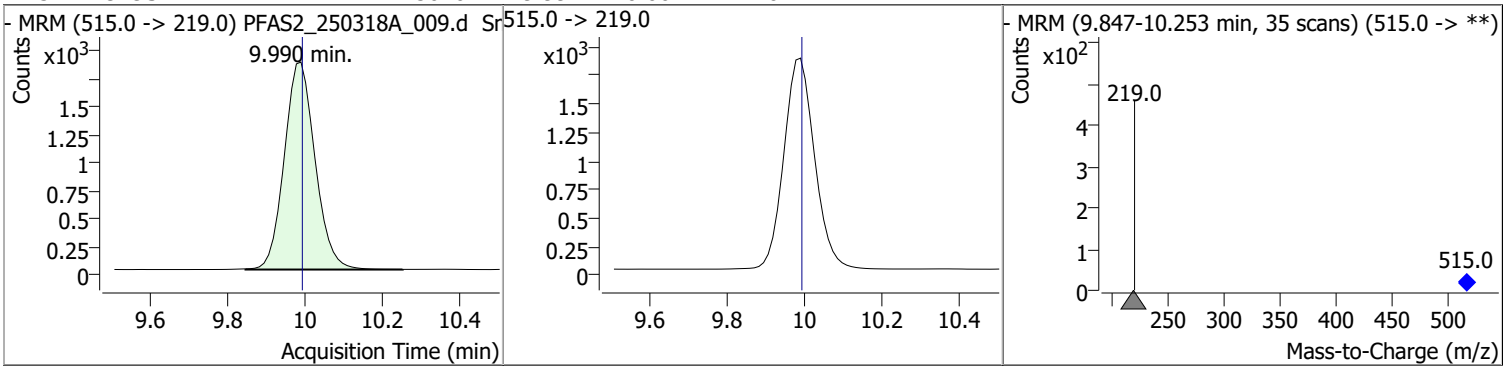
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.4647	9.85	0.00	115719				



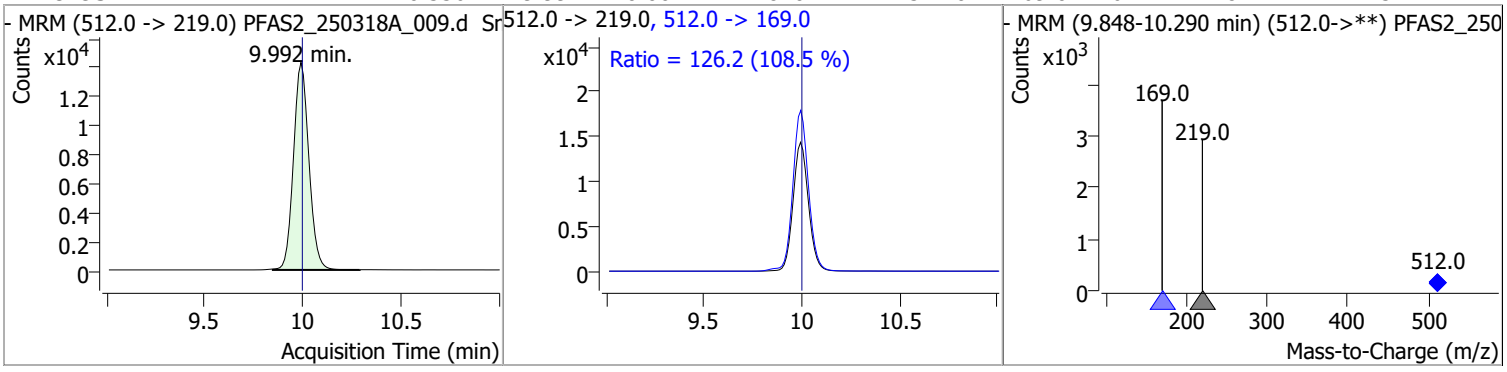
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	193.2619	9.88	0.00	664595				



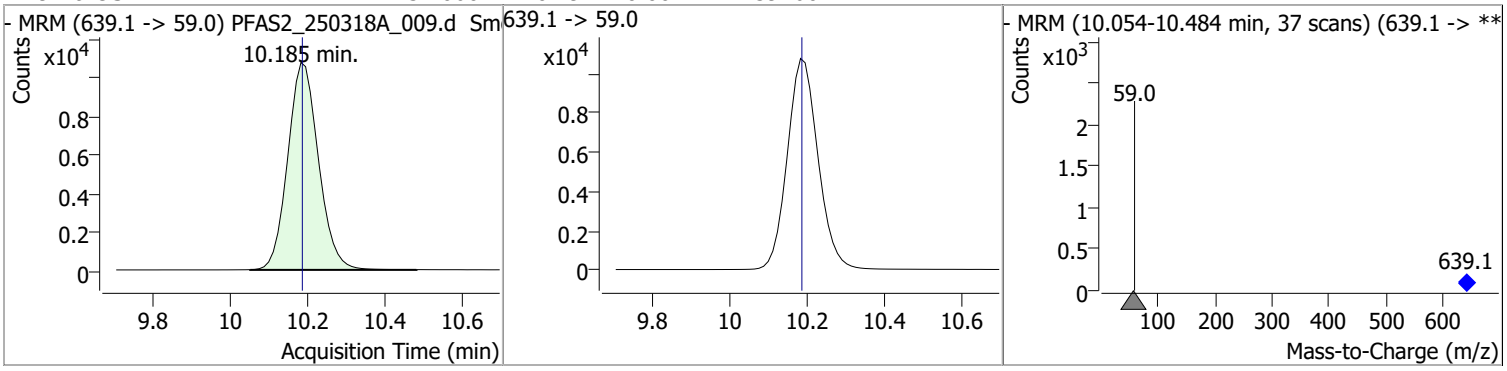
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5010	9.99	0.00	10211				



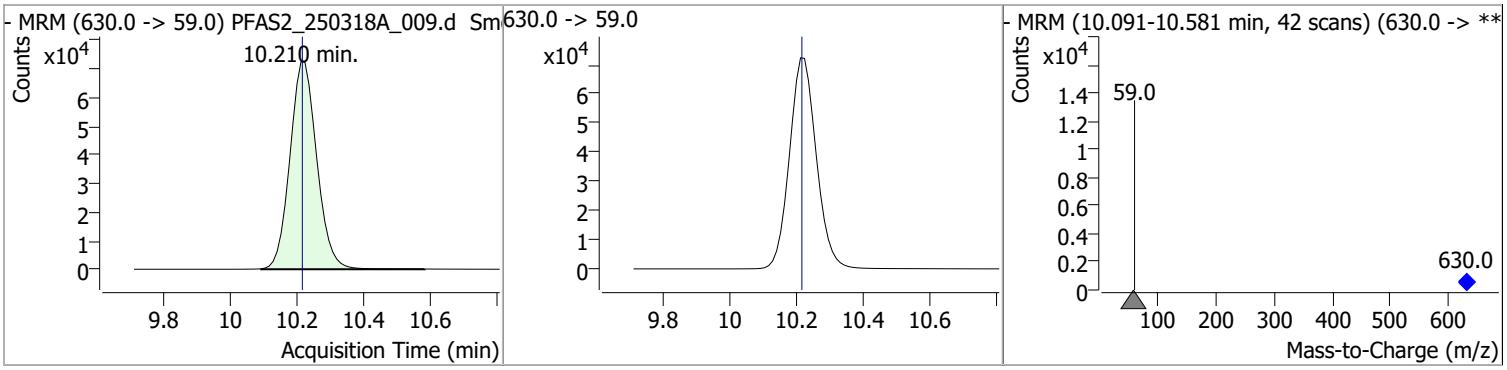
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	20.3367	9.99	0.00	78102	512.0 -> 169.0	126.2	81.4	151.2



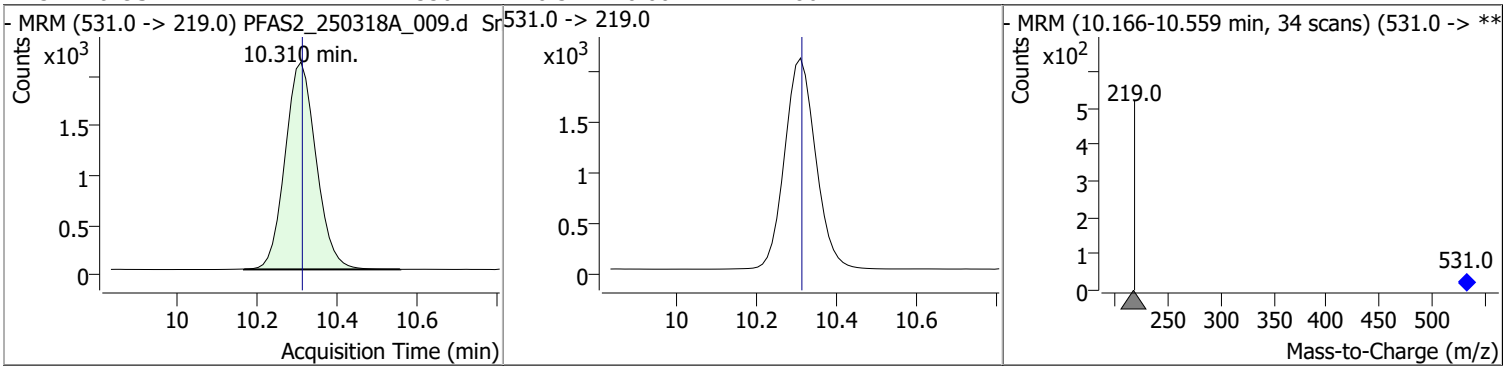
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.7060	10.19	0.00	59160				



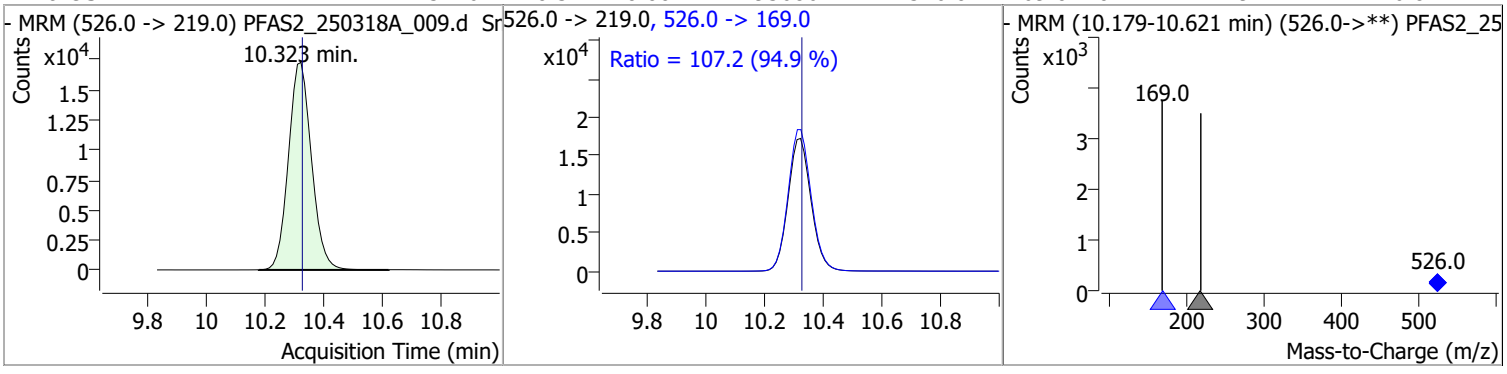
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	195.6817	10.21	0.00	405978				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5564	10.31	0.00	11286				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	21.5216	10.32	0.00	93686	526.0 -> 169.0	107.2	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_010.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:12:56 PM
Sample Name	SEQ-CAL8	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

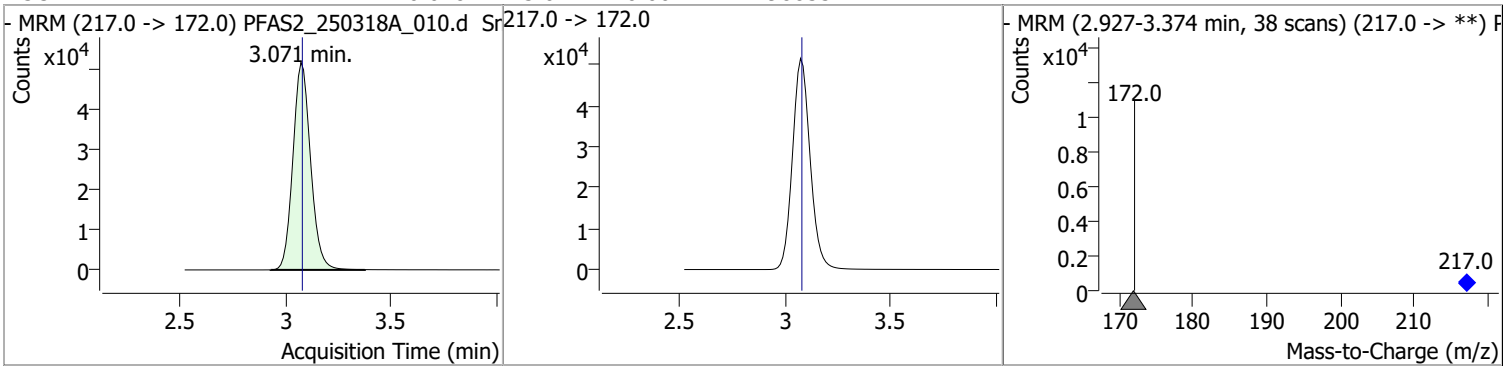
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	130475	5.0000	µg/L		-4.653
13C2-PFHxA	4.890	315.0 -> 270.0	152047	2.5000	µg/L		-0.898
18O2-PFHxS	5.955	403.0 -> 84.0	28428	2.5000	µg/L		-4.056
13C4-PFOA	5.823	417.0 -> 172.0	15678	2.5000	µg/L		1.490
13C5-PFNA	6.226	468.0 -> 423.0	73114	1.2500	µg/L		2.728
13C2-PFDA	6.615	515.0 -> 470.0	66016	1.2500	µg/L		-1.286
13C4-PFOS	6.783	503.0 -> 80.0	24553	2.5000	µg/L		-1.428
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	298835	10.0000	µg/L		-3.859
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.79%			
13C5-PFPeA	4.222	268.0 -> 223.0	195668	5.0000	µg/L		-5.437
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.43%			
13C5-PFPeA	4.222	268.0 -> 223.0	195668	5.0000	µg/L		-5.437
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.43%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	21218	5.0000	µg/L	#	-16.017
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	162084	2.5000	µg/L		-4.004
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.84%			
13C5-PFHxA	4.889	318.0 -> 273.0	162084	2.5000	µg/L		-4.004
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.84%			
13C3-PFBS	4.929	302.0 -> 80.0	55660	2.5000	µg/L		-8.339
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.64%			
13C3-PFBS	4.929	302.0 -> 80.0	55660	2.5000	µg/L		-8.339
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.64%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	169884	10.0000	µg/L		-2.796
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.08%			
13C4-PFHpA	5.397	367.0 -> 322.0	188053	2.5000	µg/L		-0.441
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.49%			
13C3-PFHxS	5.956	402.0 -> 80.0	34341	2.5000	µg/L		-1.739
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13513	5.0000	µg/L		-8.500
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.47%			
13C8-PFOA	5.823	421.0 -> 376.0	168841	2.5000	µg/L		-2.257
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.33%			
13C3-PFHxS	5.956	402.0 -> 80.0	34341	2.5000	µg/L		-1.739
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C9-PFNA	6.225	472.0 -> 427.0	69547	1.2500	µg/L		-1.301
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.03%			
13C8-PFOS	6.782	507.0 -> 80.0	24889	2.5000	µg/L		-1.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.90%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11607	5.0000	µg/L		-2.017
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.99%			
13C6-PFDA	6.615	519.0 -> 474.0	66859	1.2500	µg/L		-1.620
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.57%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	56772	5.0000	µg/L		1.708

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.06%		
13C8-PFOS	6.782	507.0 -> 80.0	24889	2.5000	µg/L	-1.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.90%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	43358	5.0000	µg/L	2.817
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.26%		
13C7-PFUnDA	7.002	570.0 -> 525.0	53034	1.2500	µg/L	-1.062
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.21%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	44594	1.2500	µg/L	1.085
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.23%		
13C2-PFDoDA	7.367	615.0 -> 570.0	39817	1.2500	µg/L	-0.320
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.99%		
13C2-PFTDA	8.092	715.0 -> 670.0	49370	1.2500	µg/L	2.247
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.26%		
13C8-PFOSA	8.768	506.0 -> 78.0	37690	2.5000	µg/L	1.973
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.24%		
2H7-MeFOSE	9.853	623.1 -> 59.0	113527	25.0000	µg/L	-9.644
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 91.74%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10122	2.5000	µg/L	-2.382
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.80%		
2H9-EtFOSE	10.185	639.1 -> 59.0	60599	25.0000	µg/L	-4.582
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.77%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10809	2.5000	µg/L	-3.836
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.57%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	3099538	118.2138	µg/L	100
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 98.51%		
PFMPA	3.614	229.0 -> 85.0	1142188	60.4767	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 100.79%		
3-3 FTCA	3.778	241.0 -> 177.0	88405	123.9590	µg/L	96
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 103.30%		
PFPeA	4.223	263.0 -> 219.0	2136692	58.9483	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 98.25%		
PFMBA	4.453	279.0 -> 85.0	1684176	61.2480	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 102.08%		
4-2 FTSA	4.698	327.0 -> 307.0	1383056	107.2508	µg/L	97
Spiked Amount: 112.500	Range: 70 - 130%			Recovery = 95.33%		
NFDHA	4.823	295.0 -> 201.0	82200	68.9555	µg/L	97
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 114.93%		
PFHxA	4.892	313.0 -> 269.0	1752861	30.2224	µg/L	100
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.74%		
PFBS	4.918	298.9 -> 80.0	629346	27.2501	µg/L	92
Spiked Amount: 26.610	Range: 70 - 130%			Recovery = 102.41%		
HFPO-DA	5.087	285.0 -> 169.0	958693	63.6062	µg/L	90
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 106.01%		
PFEESA	5.201	314.9 -> 135.0	4103025	55.1030	µg/L	98
Spiked Amount: 53.400	Range: 70 - 130%			Recovery = 103.19%		
PFHpA	5.398	363.0 -> 319.0	2087129	28.6898	µg/L	98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 95.63%		
5-3 FTCA	5.447	341.0 -> 237.0	2956666	616.0352	µg/L	92
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 102.67%		
PFPeS	5.494	348.9 -> 80.0	557598	30.0720	µg/L	90
Spiked Amount: 28.230	Range: 70 - 130%			Recovery = 106.52%		
DONA	5.551	377.0 -> 251.0	5604856	55.8264	µg/L	100
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 98.46%		

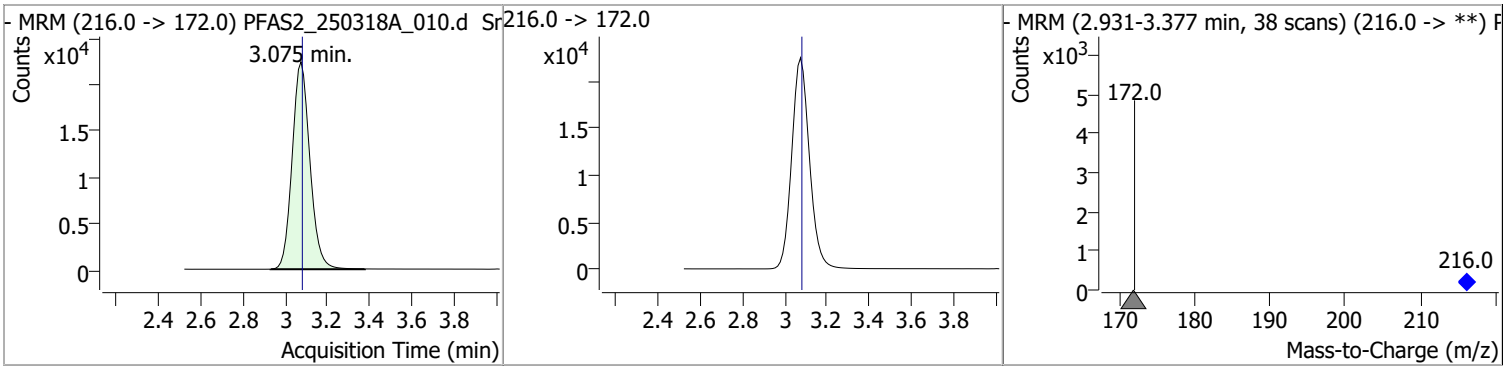
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	989700	111.5484	µg/L		91
Spiked Amount: 114.000	Range: 70 - 130%			Recovery = 97.85%			
PFOA	5.824	413.0 -> 369.0	1970950	29.4617	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 98.21%			
PFHxS	5.957	398.9 -> 80.0	377699	28.2768	µg/L		92
Spiked Amount: 27.420	Range: 70 - 130%			Recovery = 103.12%			
PFNA	6.226	463.0 -> 419.0	1633566	30.0904	µg/L		99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.30%			
PFHpS	6.382	448.9 -> 80.0	293412	28.3431	µg/L		93
Spiked Amount: 28.590	Range: 70 - 130%			Recovery = 99.14%			
8-2 FTSA	6.436	527.0 -> 507.0	543348	113.5874	µg/L	#	70
Spiked Amount: 115.200	Range: 70 - 130%			Recovery = 98.60%			
7-3 FTCA	6.597	441.0 -> 317.0	2312922	619.5590	µg/L		97
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 103.26%			
PFDA	6.615	513.0 -> 469.0	1489429	29.4754	µg/L		92
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 98.25%			
N-MeFOSAA	6.742	570.0 -> 419.0	305136	30.4177	µg/L		99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.39%			
PFOS	6.784	498.9 -> 80.0	271145	27.0631	µg/L		97
Spiked Amount: 27.840	Range: 70 - 130%			Recovery = 97.21%			
N-EtFOSAA	6.953	584.0 -> 419.0	247895	30.2232	µg/L		91
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.74%			
PFUnDA	7.003	563.0 -> 519.0	1186814	30.0564	µg/L		94
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.19%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	2718730	54.7338	µg/L		91
Spiked Amount: 56.100	Range: 70 - 130%			Recovery = 97.56%			
PFNS	7.159	548.9 -> 80.0	245916	28.9649	µg/L		88
Spiked Amount: 28.860	Range: 70 - 130%			Recovery = 100.36%			
PFDoDA	7.368	613.0 -> 569.0	919187	31.4902	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 104.97%			
PFDS	7.537	598.9 -> 80.0	198222	31.2472	µg/L		94
Spiked Amount: 28.950	Range: 70 - 130%			Recovery = 107.94%			
PFTrDA	7.736	663.0 -> 619.0	1005102	29.9135	µg/L		92
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 99.71%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1411690	62.7357	µg/L		96
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 110.65%			
PFTDA	8.093	712.9 -> 669.0	918337	30.3893	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.30%			
PFDoS	8.240	698.9 -> 80.0	135892	30.6346	µg/L		95
Spiked Amount: 29.100	Range: 70 - 130%			Recovery = 105.27%			
PFOSA	8.771	497.9 -> 78.0	391925	29.9201	µg/L		98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 99.73%			
MeFOSE	9.878	616.0 -> 59.0	1013868	302.8507	µg/L		100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 100.95%			
N-MeFOSA	9.992	512.0 -> 219.0	111729	29.3472	µg/L		87
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 97.82%			
EtFOSE	10.210	630.0 -> 59.0	642427	306.5095	µg/L		100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 102.17%			
N-EtFOSA	10.323	526.0 -> 219.0	132073	31.6783	µg/L		98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 105.59%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

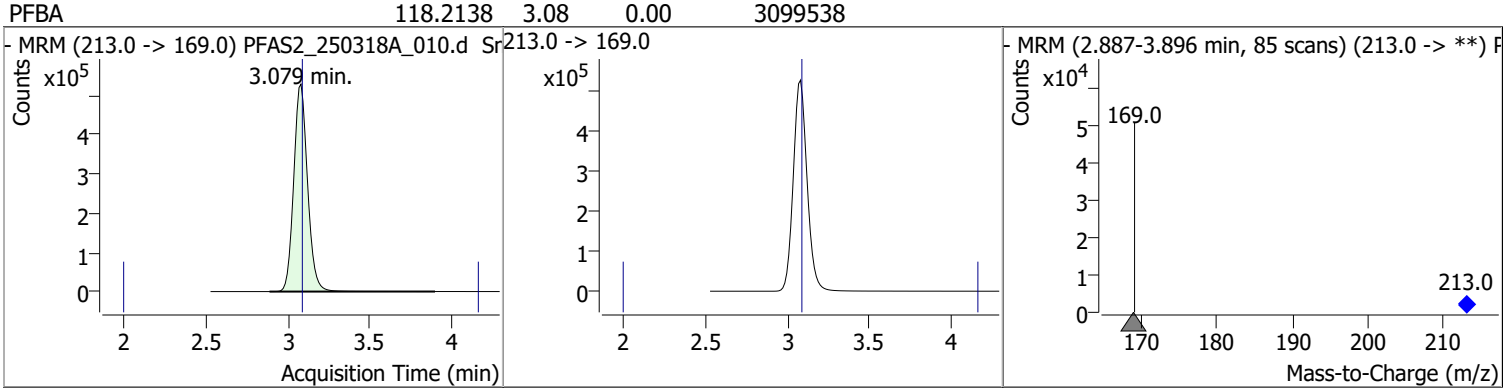
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0787	3.07	0.00	298835				



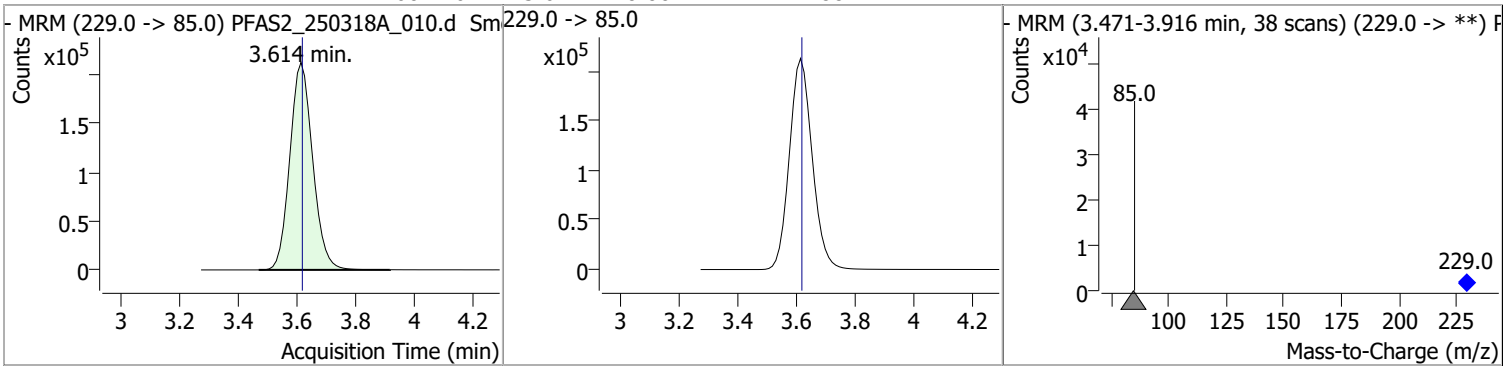
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	130475				



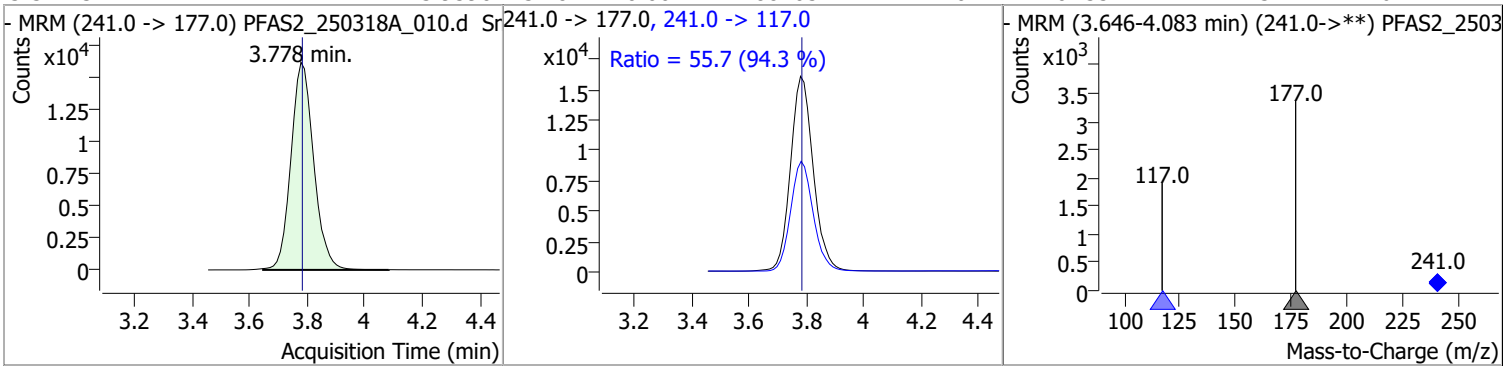
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	118.2138	3.08	0.00	3099538				



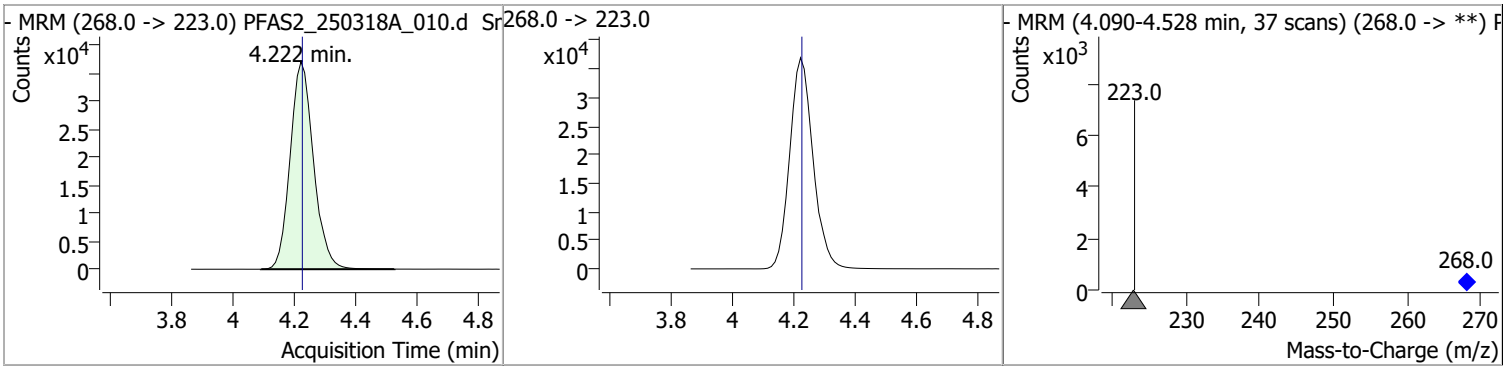
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	60.4767	3.61	0.00	1142188				



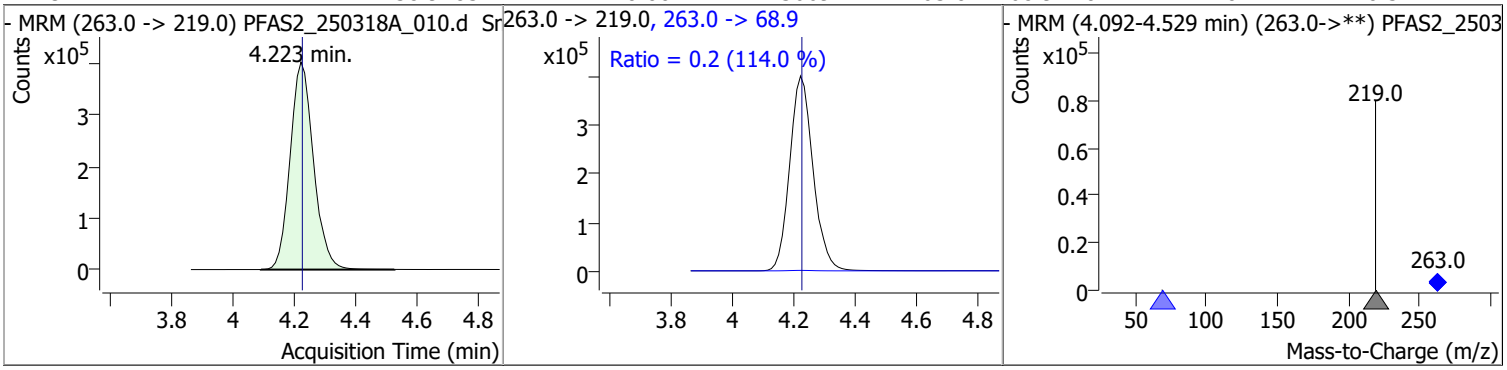
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	123.9590	3.78	0.00	88405	241.0 -> 117.0	55.7	41.3	76.7



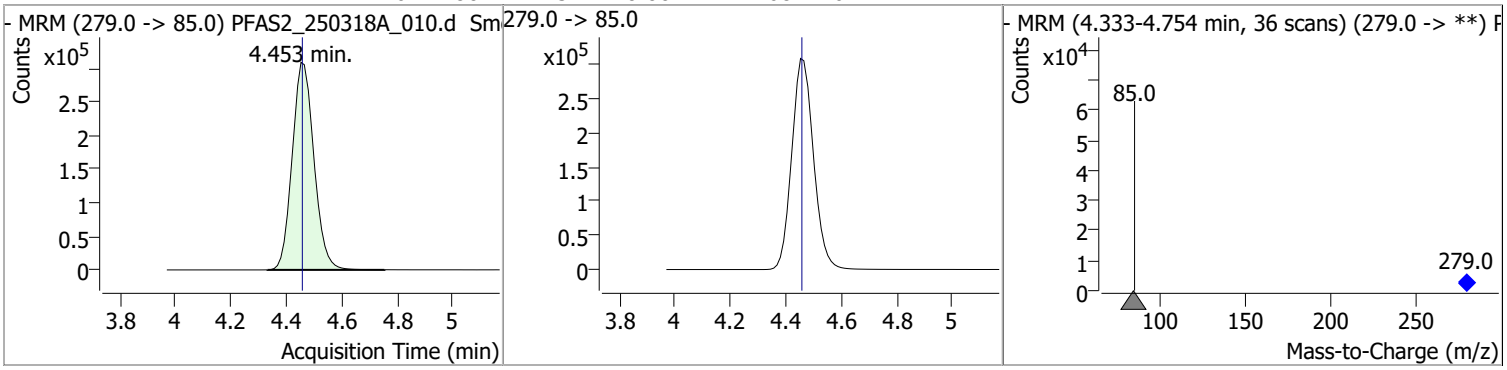
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7713	4.22	0.00	195668				



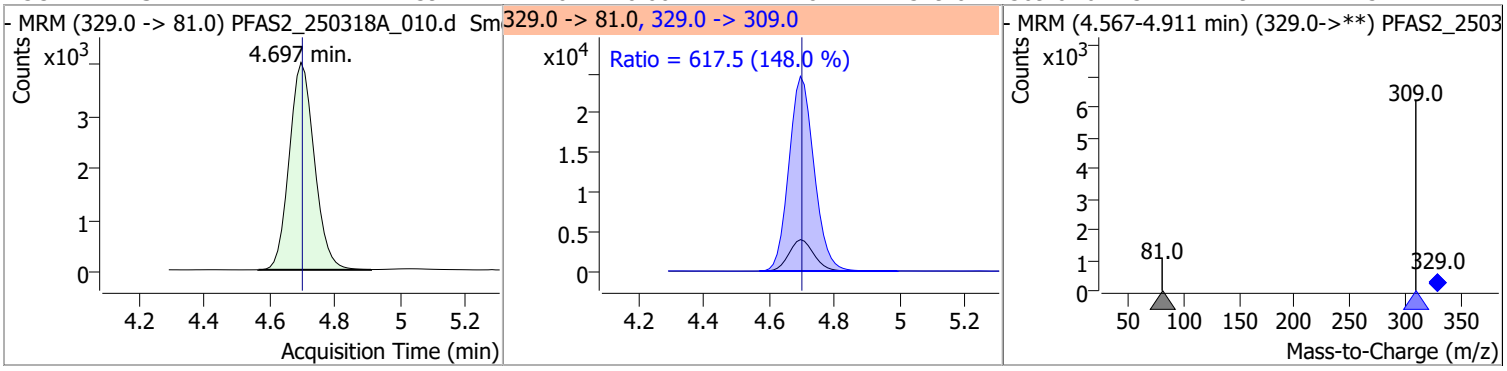
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	58.9483	4.22	0.00	2136692	263.0 -> 68.9	0.2	0.1	0.3



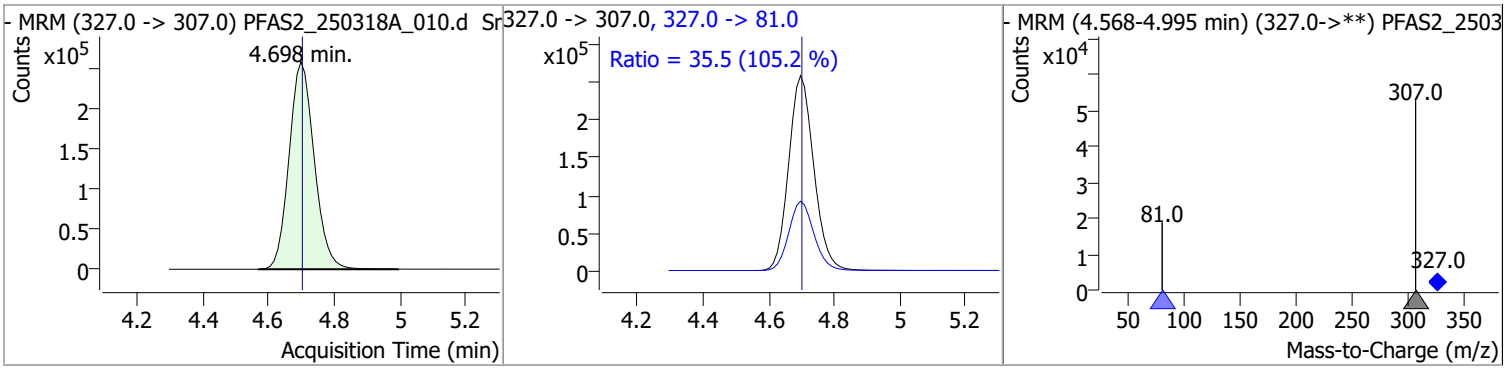
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	61.2480	4.45	0.00	1684176				



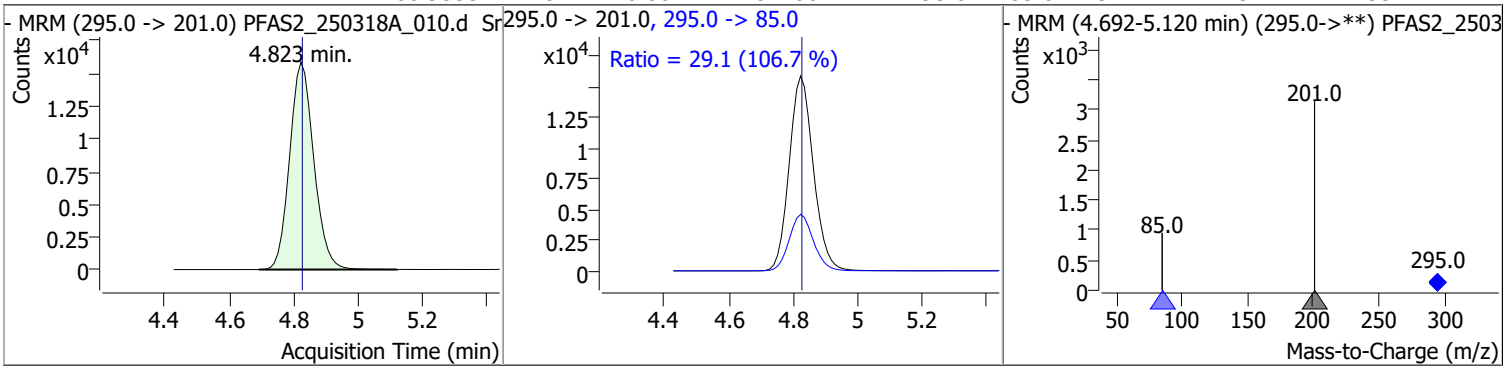
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.3944	4.70	0.00	21218	329.0 -> 309.0	617.5	292.1	542.4



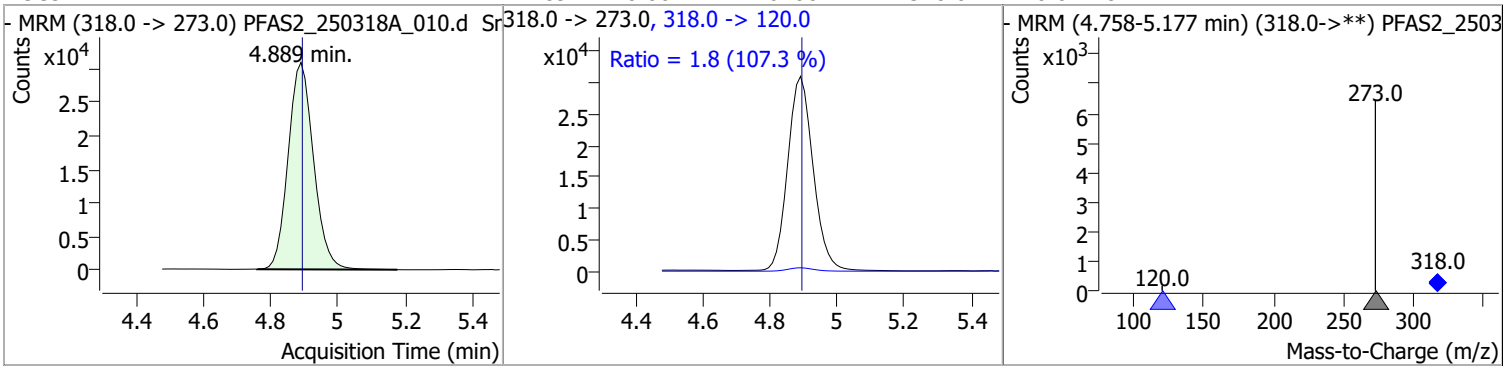
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	107.2508	4.70	0.00	1383056	327.0 -> 81.0	35.5	23.6	43.9



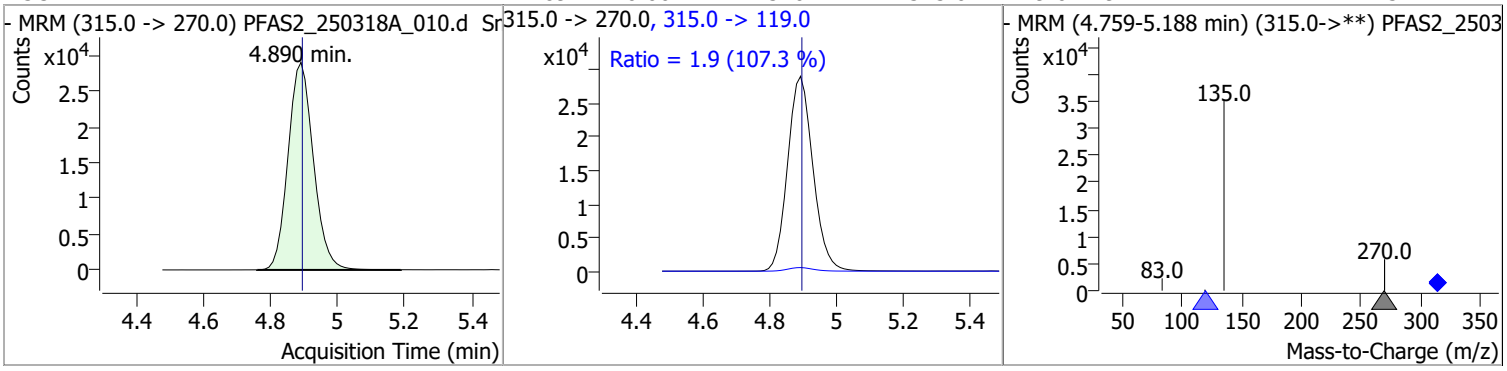
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	68.9555	4.82	0.00	82200	295.0 -> 85.0	29.1	19.1	35.4



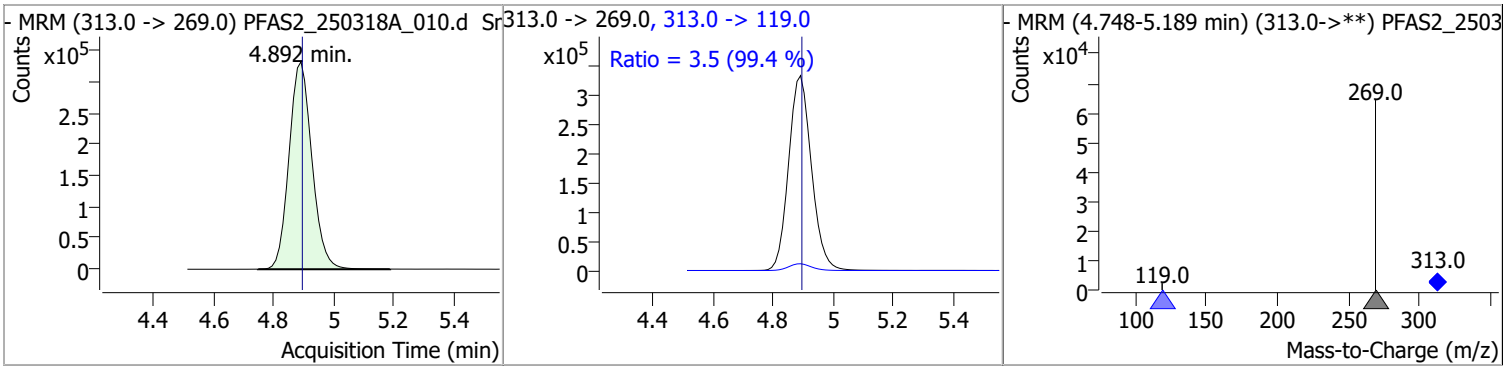
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4211	4.89	0.00	162084	318.0 -> 120.0	1.8	1.1	2.1



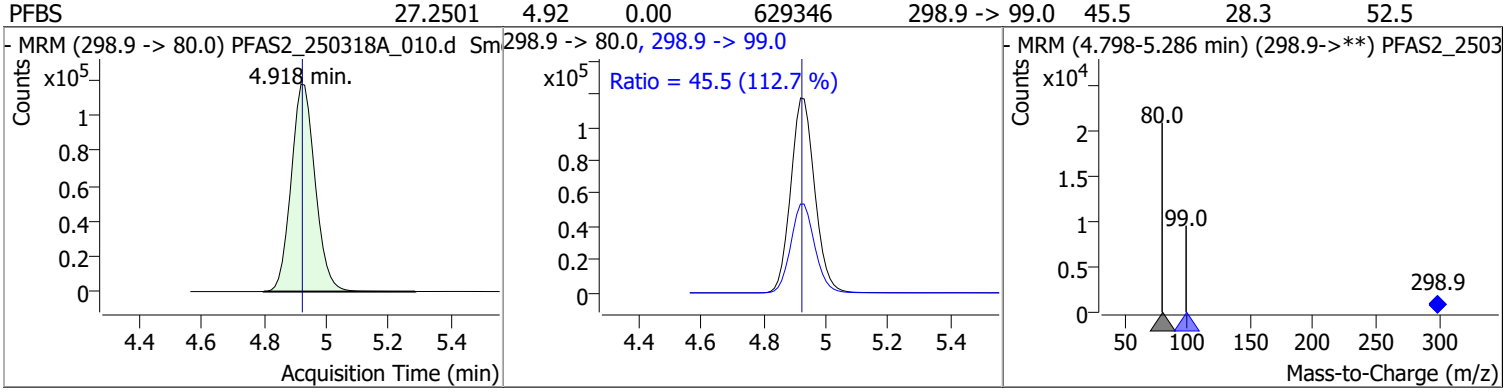
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	152047	315.0 -> 119.0	1.9	1.2	2.3



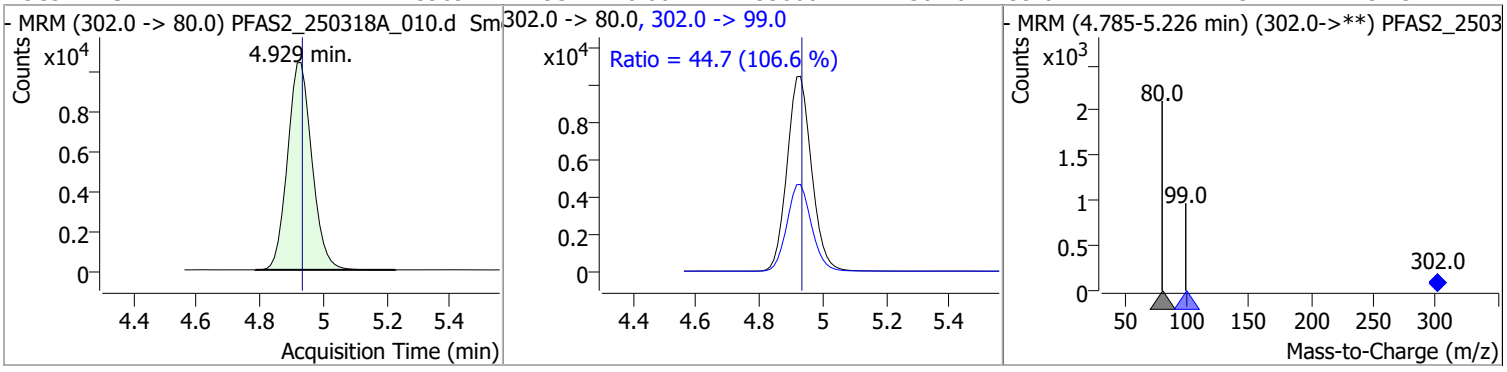
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	30.2224	4.89	0.00	1752861	313.0 -> 119.0	3.5	2.4	4.5



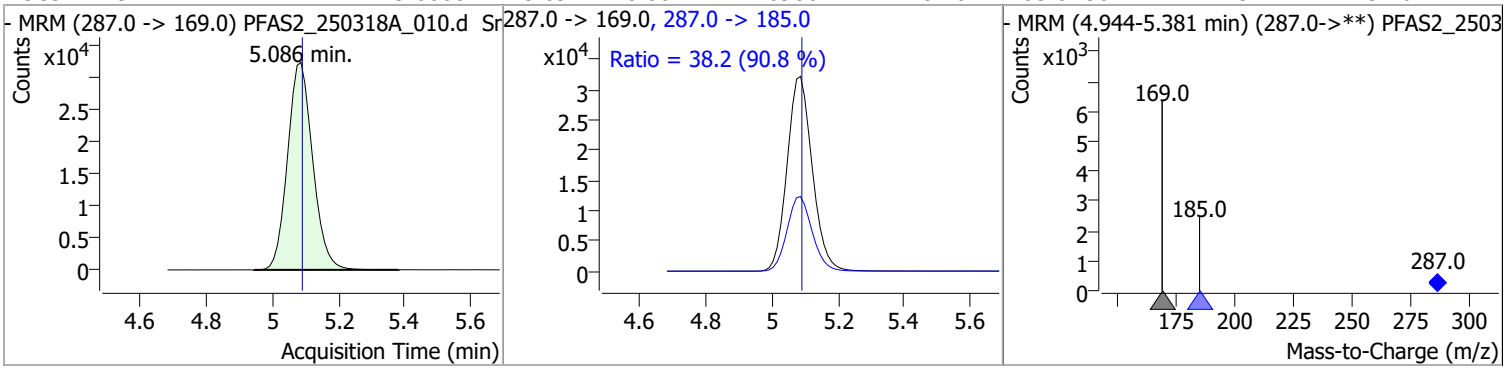
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	27.2501	4.92	0.00	629346	298.9 -> 99.0	45.5	28.3	52.5



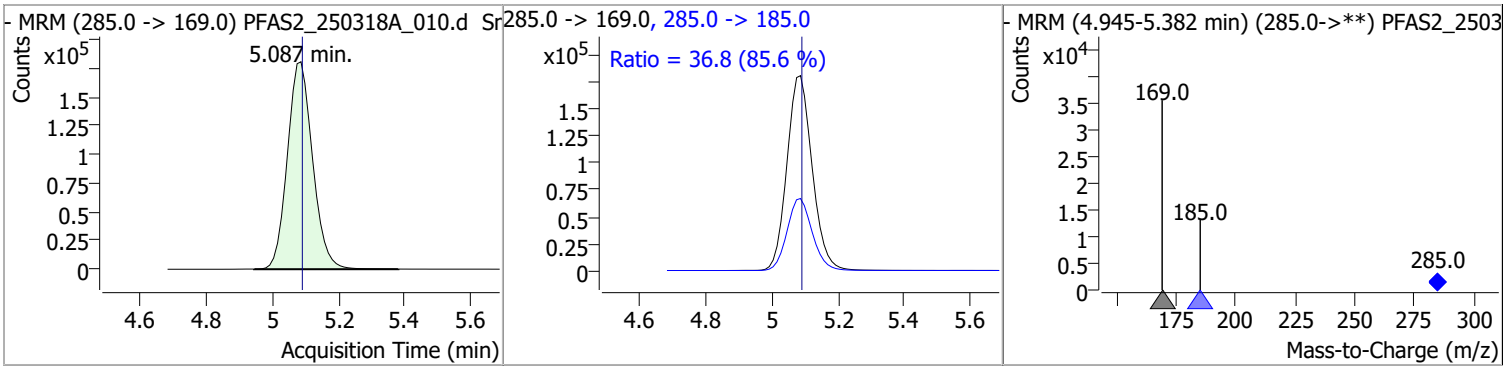
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3909	4.93	0.00	55660	302.0 -> 99.0	44.7	29.4	54.5



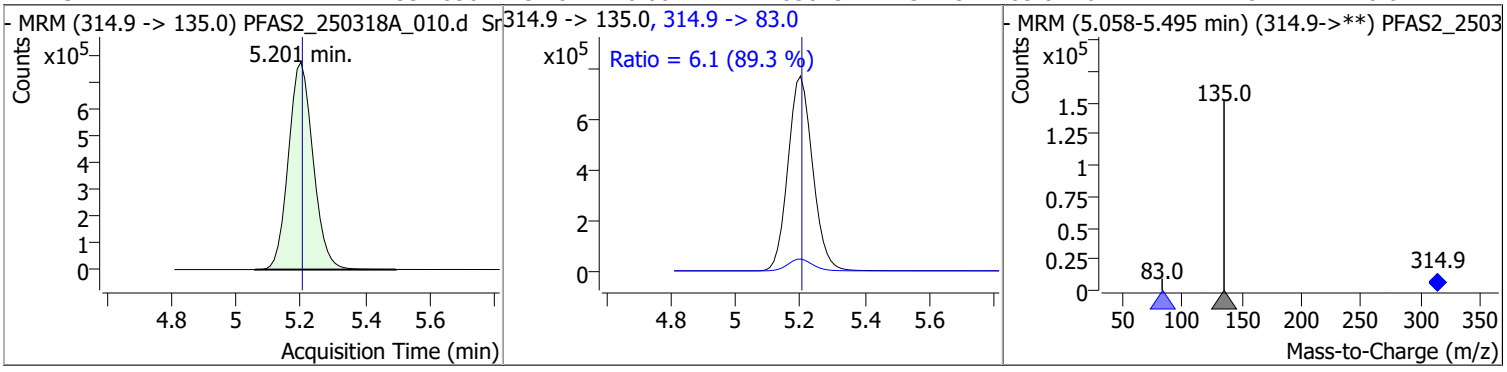
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8080	5.09	0.00	169884	287.0 -> 185.0	38.2	29.4	54.6



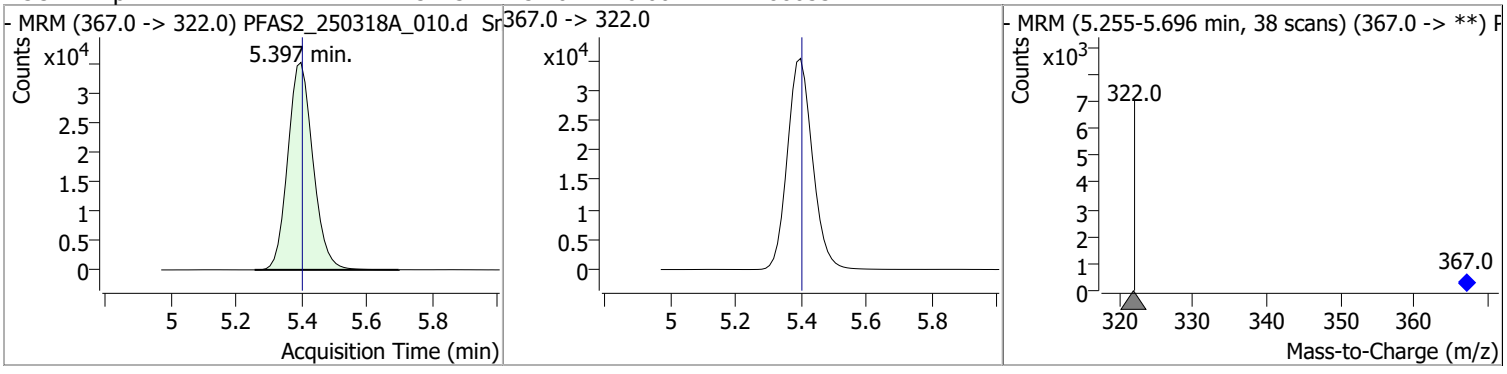
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	63.6062	5.09	0.00	958693	285.0 -> 185.0	36.8	30.1	56.0



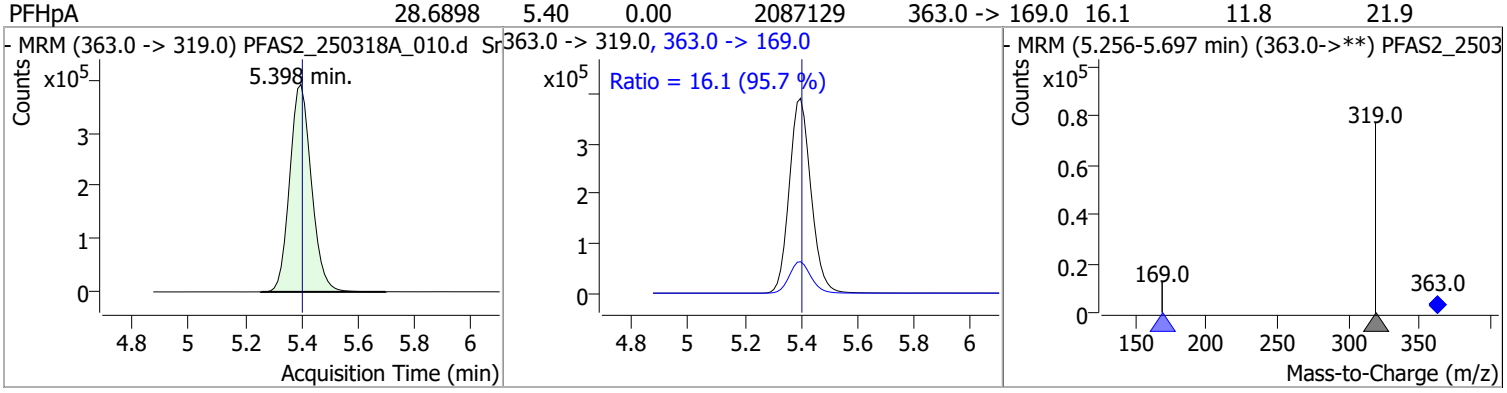
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	55.1030	5.20	0.00	4103025	314.9 -> 83.0	6.1	4.8	8.8



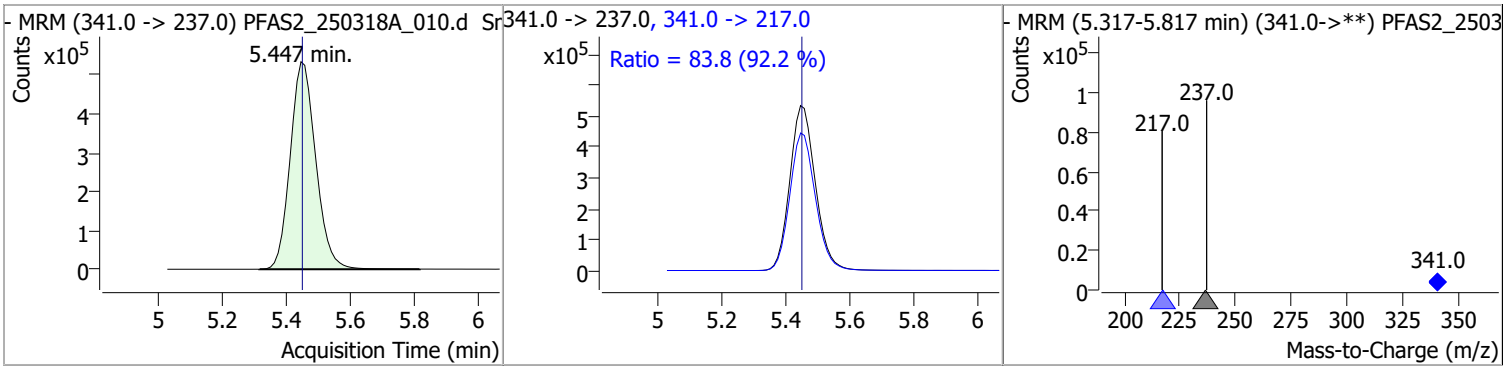
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5123	5.40	0.00	188053				



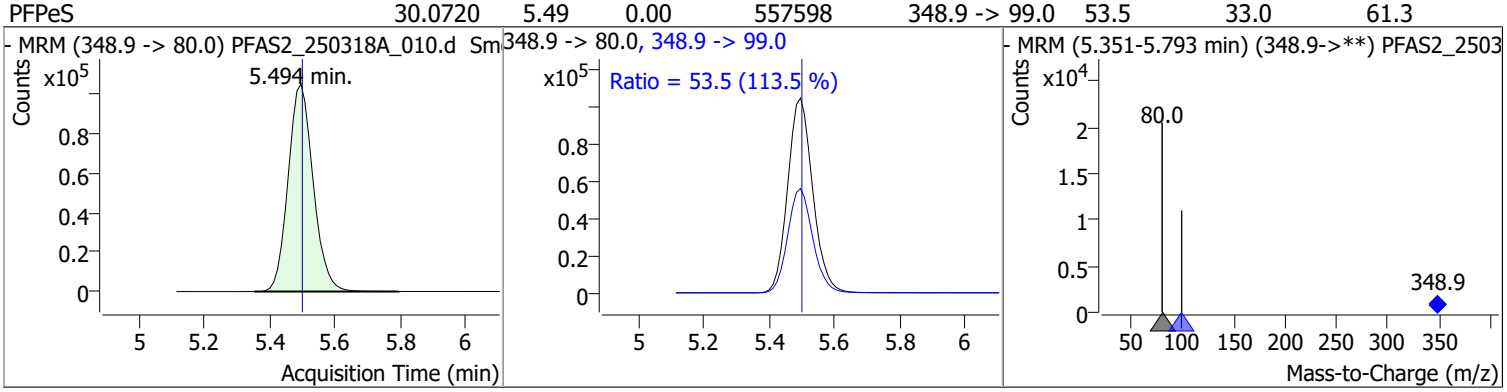
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	28.6898	5.40	0.00	2087129	363.0 -> 169.0	16.1	11.8	21.9



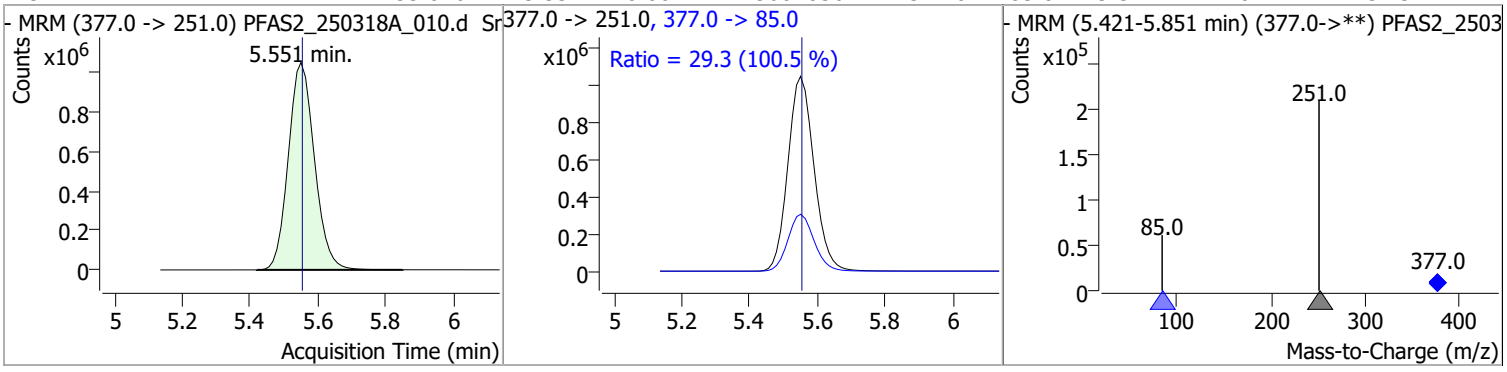
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	616.0352	5.45	0.00	2956666	341.0 -> 217.0	83.8	63.6	118.1



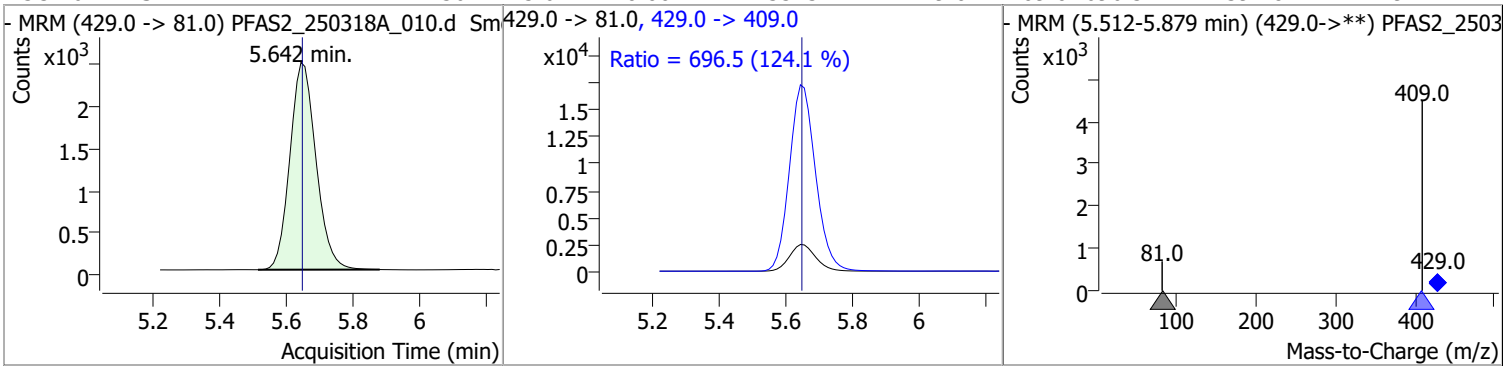
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	30.0720	5.49	0.00	557598	348.9 -> 99.0	53.5	33.0	61.3



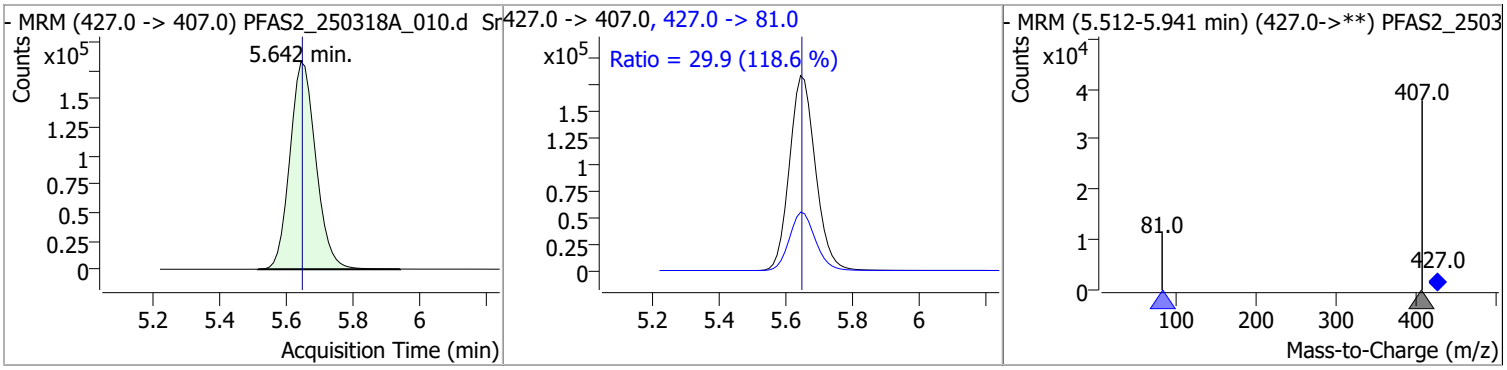
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	55.8264	5.55	0.00	5604856	377.0 -> 85.0	29.3	20.4	37.9



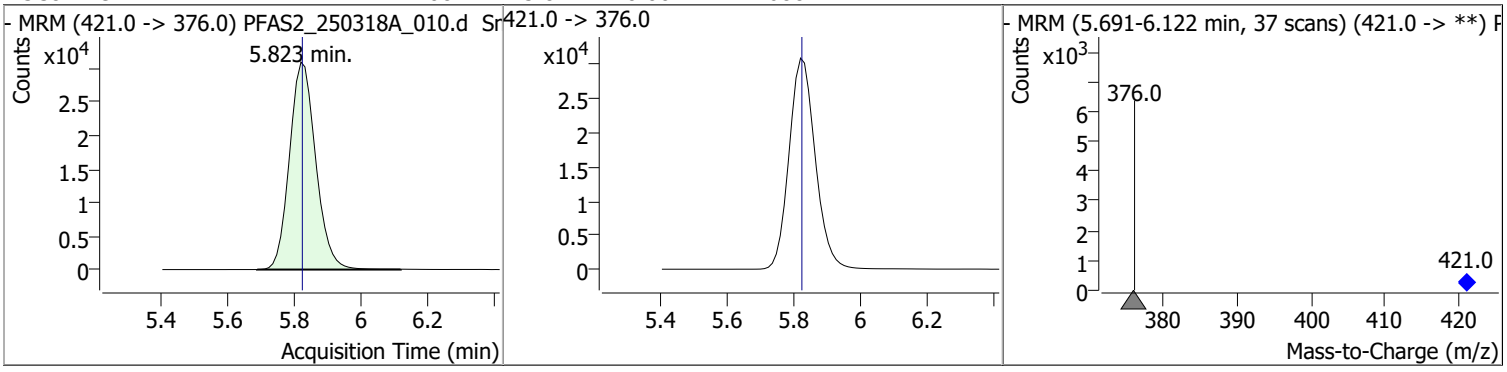
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7736	5.64	0.00	13513	429.0 -> 409.0	696.5	392.8	729.4



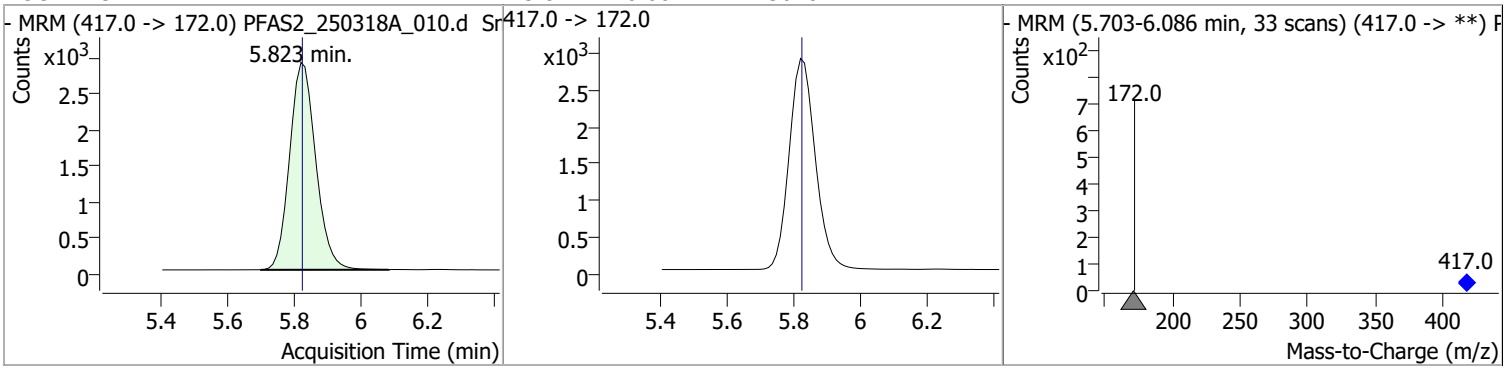
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	111.5484	5.64	0.00	989700	427.0 -> 81.0	29.9	17.7	32.8



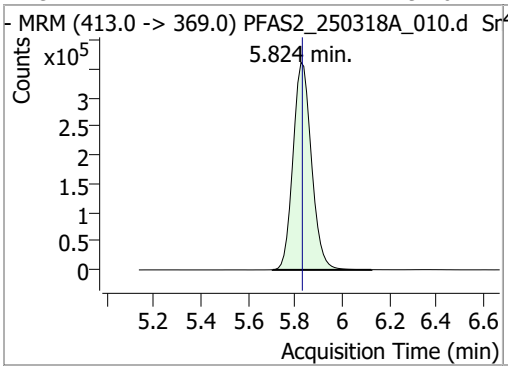
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4082	5.82	0.00	168841				

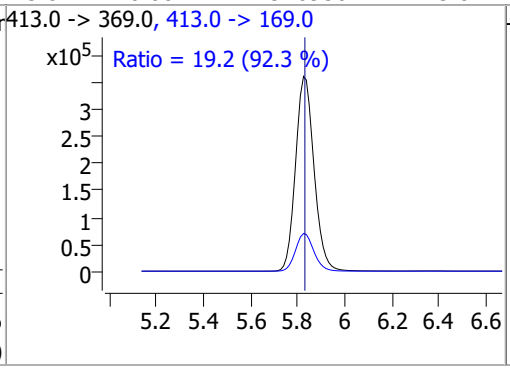


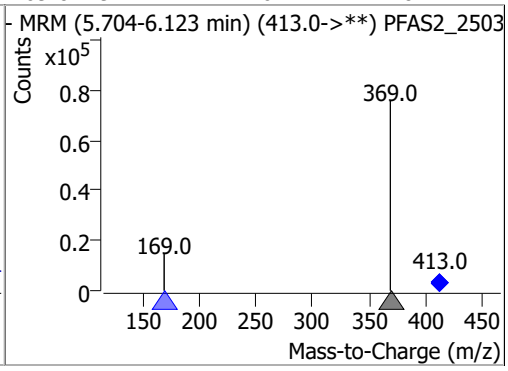
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15678				



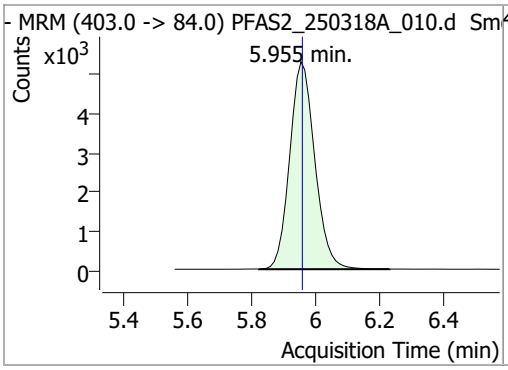
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	29.4617	5.82	0.00	1970950	413.0 -> 169.0	19.2	14.6	27.0

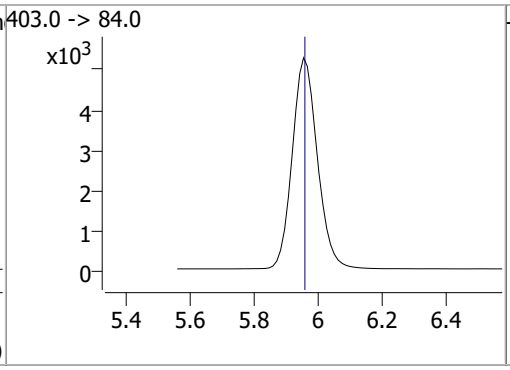


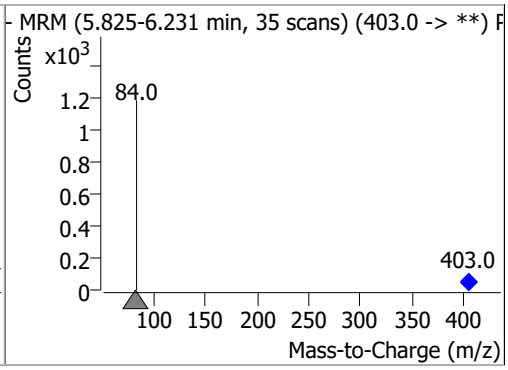




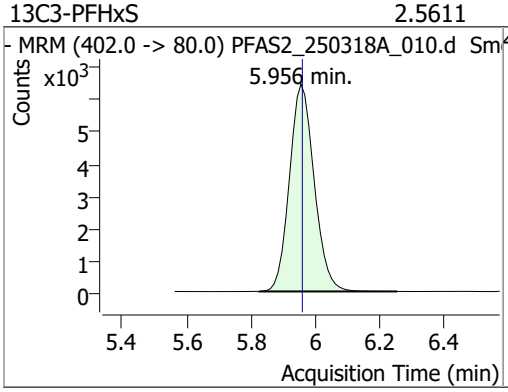
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28428				

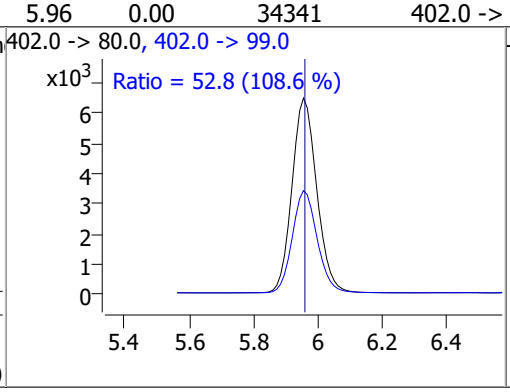


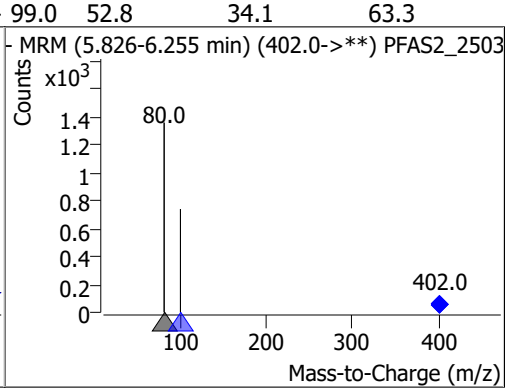




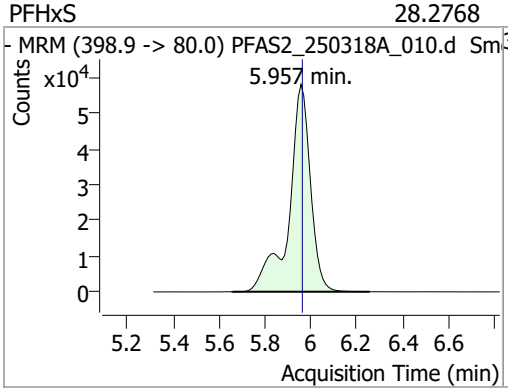
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5611	5.96	0.00	34341	402.0 -> 99.0	52.8	34.1	63.3

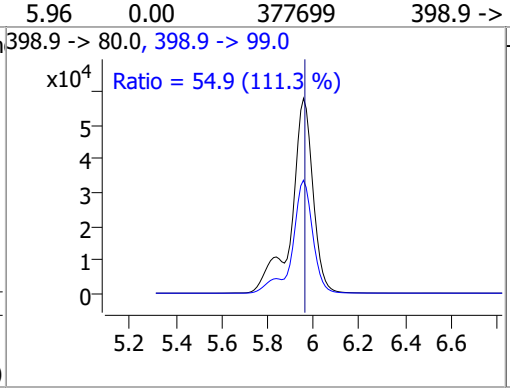


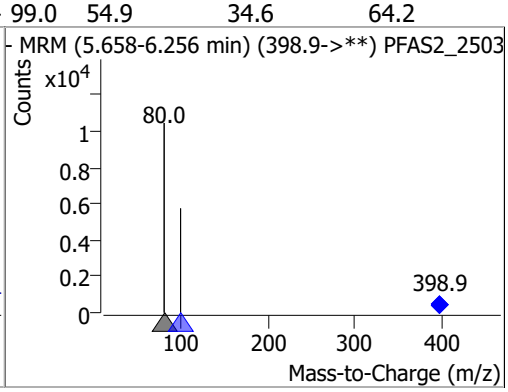




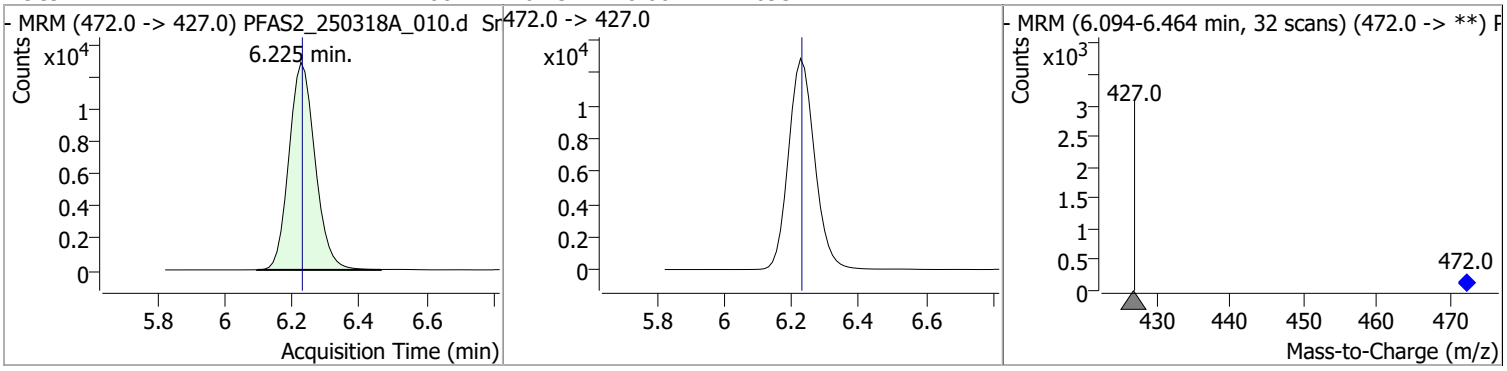
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	28.2768	5.96	0.00	377699	398.9 -> 99.0	54.9	34.6	64.2



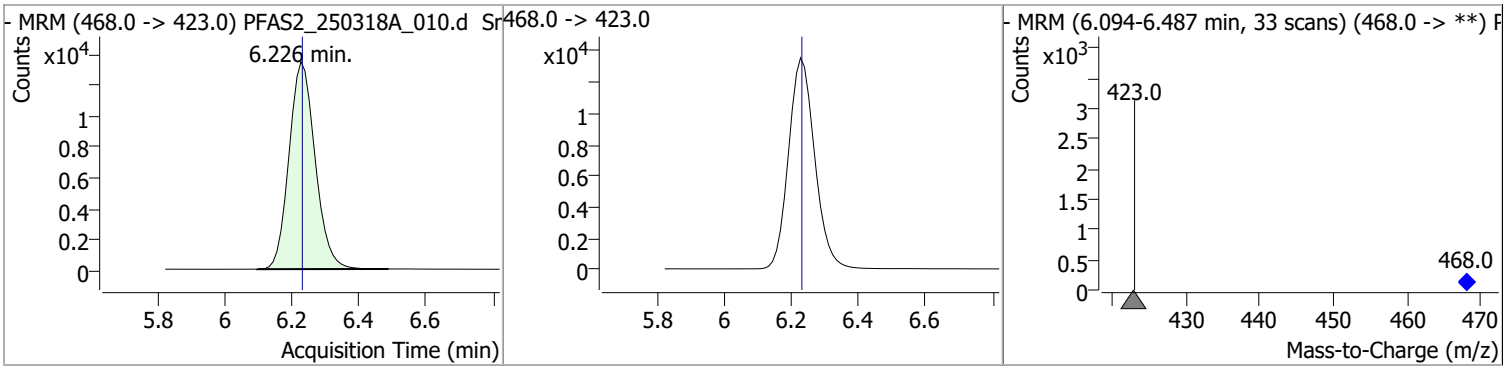




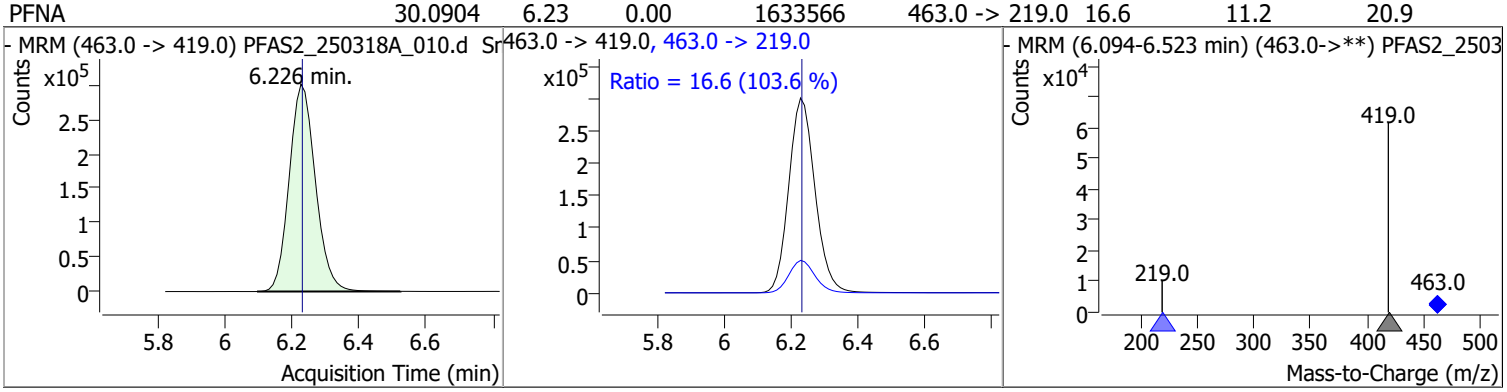
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2004	6.23	0.00	69547				



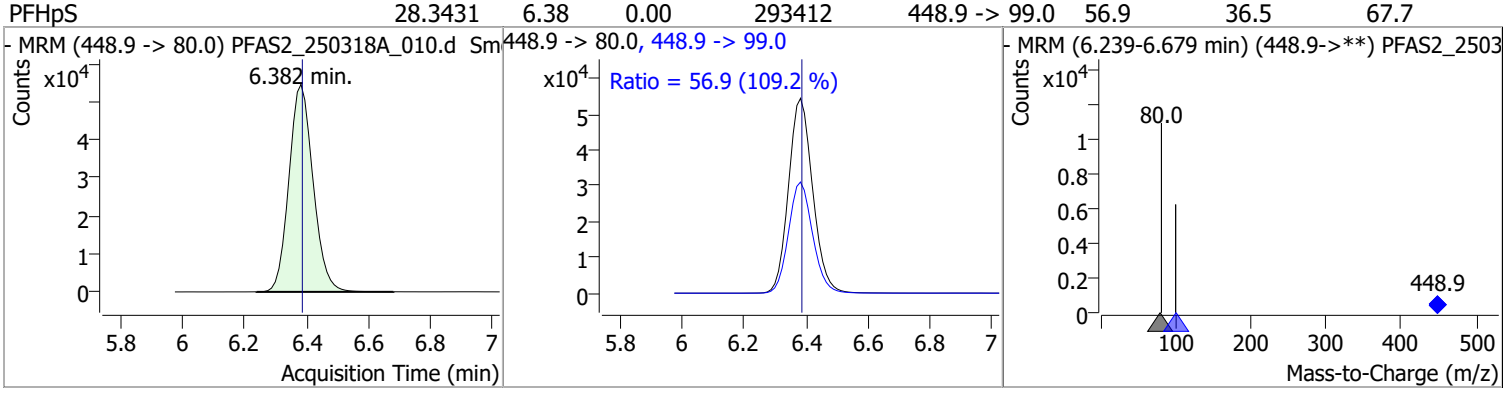
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	73114				



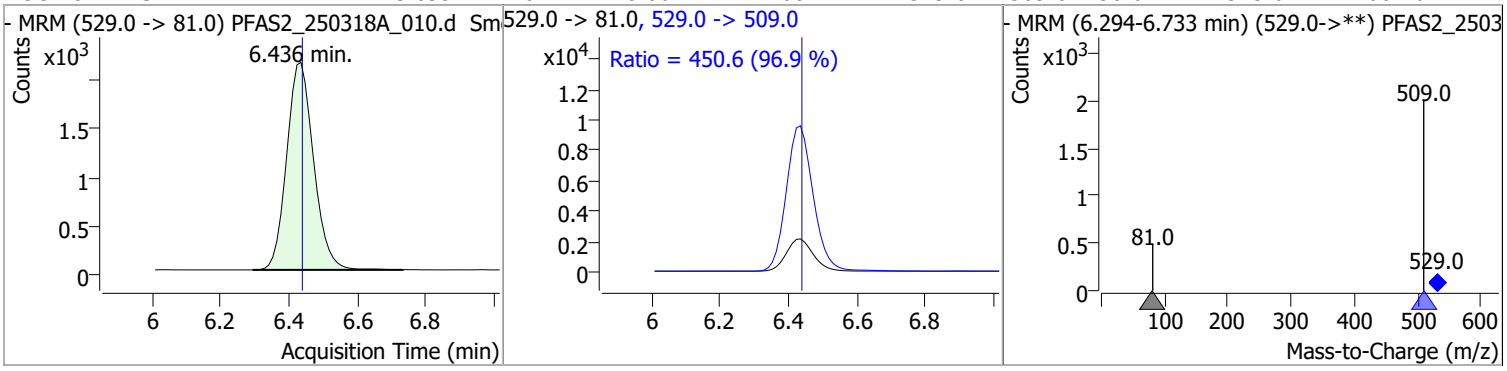
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	30.0904	6.23	0.00	1633566	463.0 -> 219.0	16.6	11.2	20.9



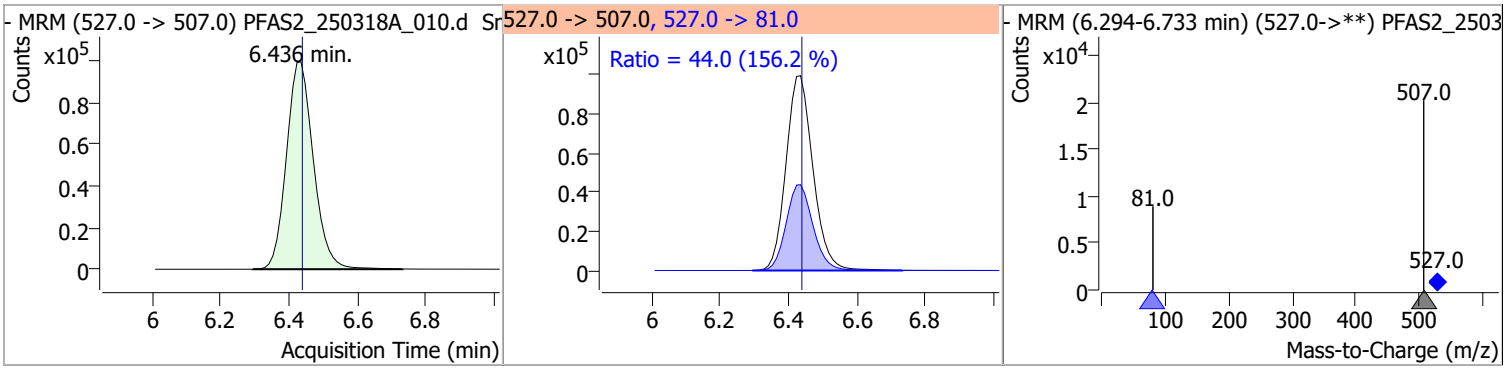
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	28.3431	6.38	0.00	293412	448.9 -> 99.0	56.9	36.5	67.7



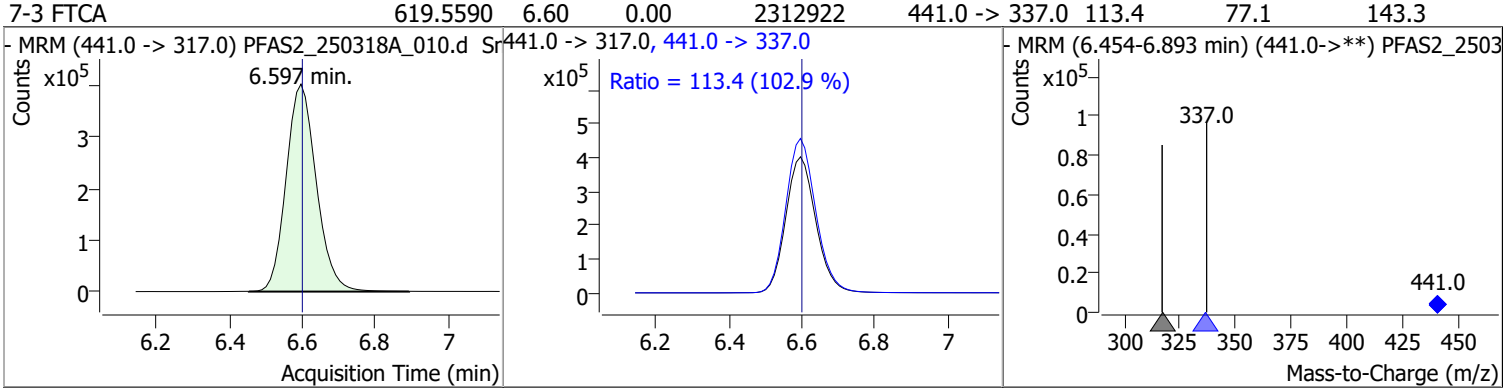
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0997	6.44	0.00	11607	529.0 -> 509.0	450.6	325.6	604.6



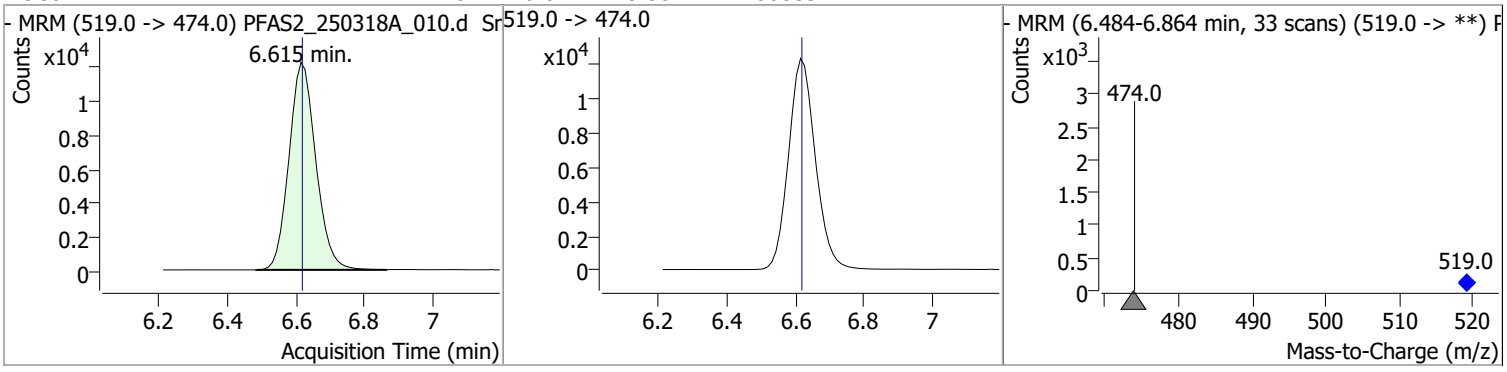
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	113.5874	6.44	0.00	543348	527.0 -> 81.0	44.0	19.7	36.6



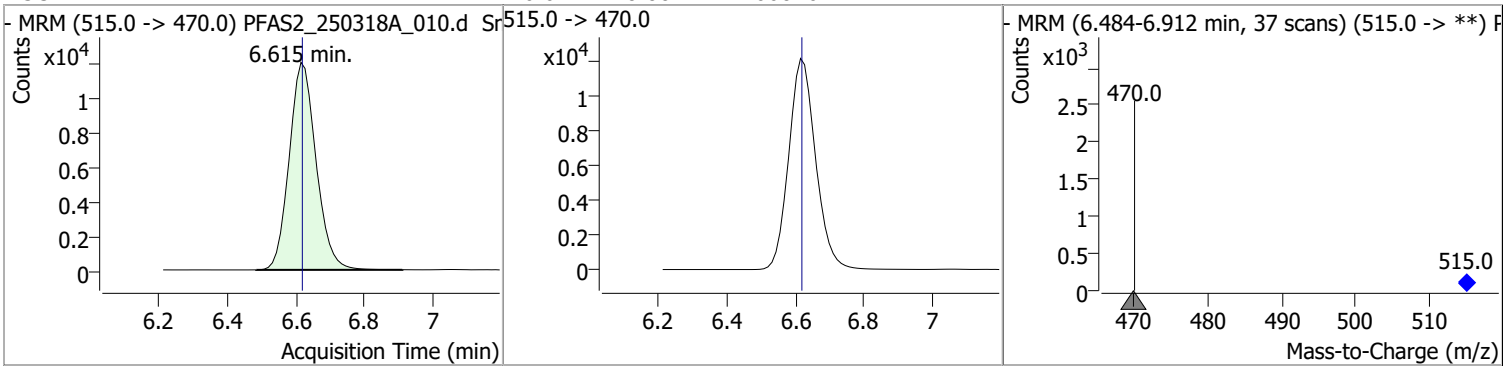
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	619.5590	6.60	0.00	2312922	441.0 -> 337.0	113.4	77.1	143.3



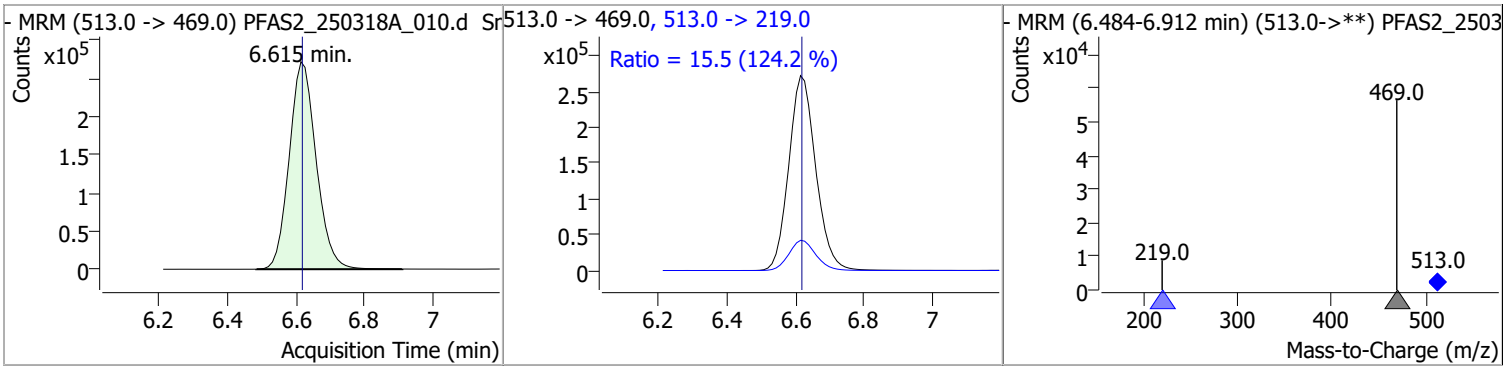
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2446	6.61	0.00	66859				



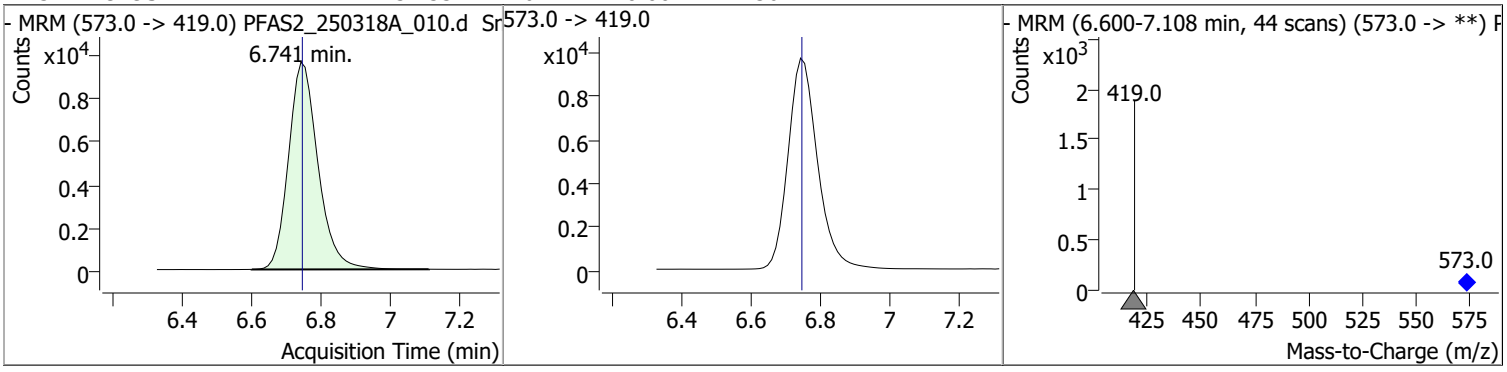
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66016				



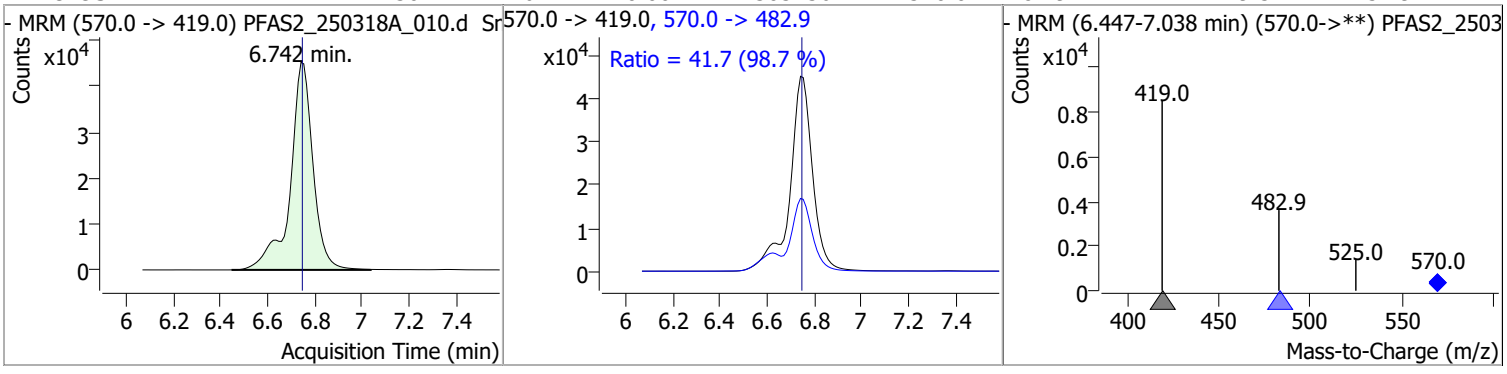
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	29.4754	6.62	0.00	1489429	513.0 -> 219.0	15.5	8.7	16.2



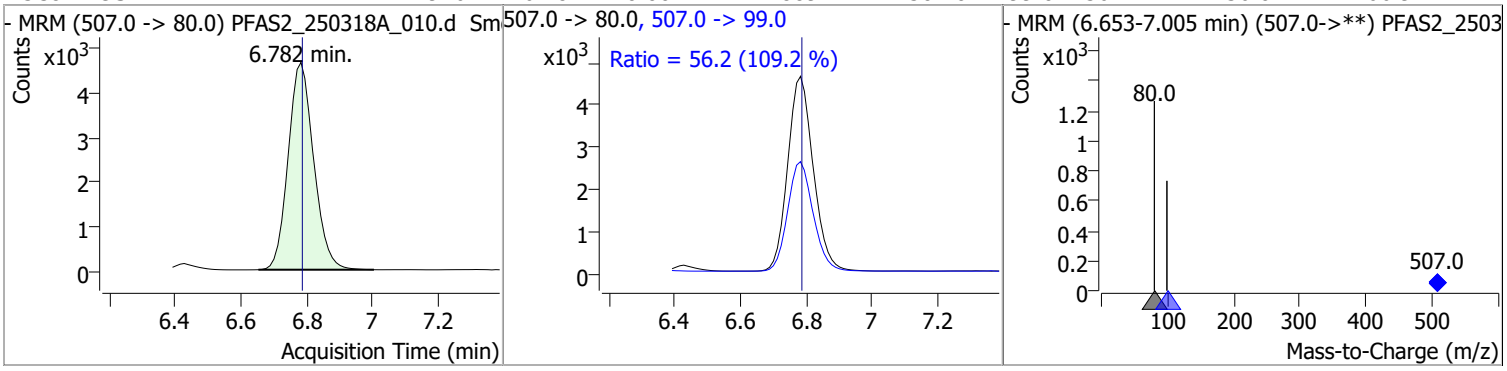
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1532	6.74	0.00	56772				



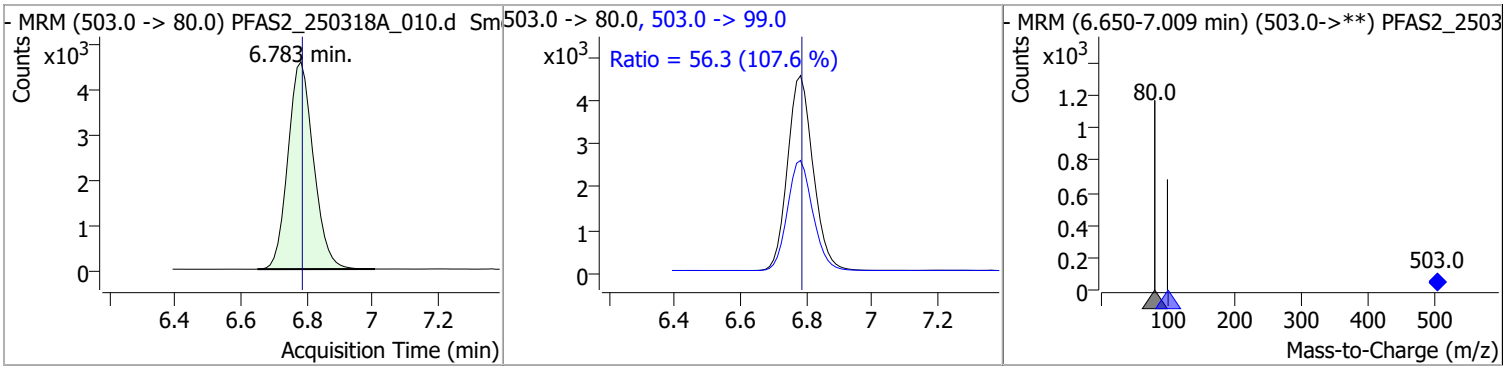
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	30.4177	6.74	0.00	305136	570.0 -> 482.9	41.7	29.5	54.9



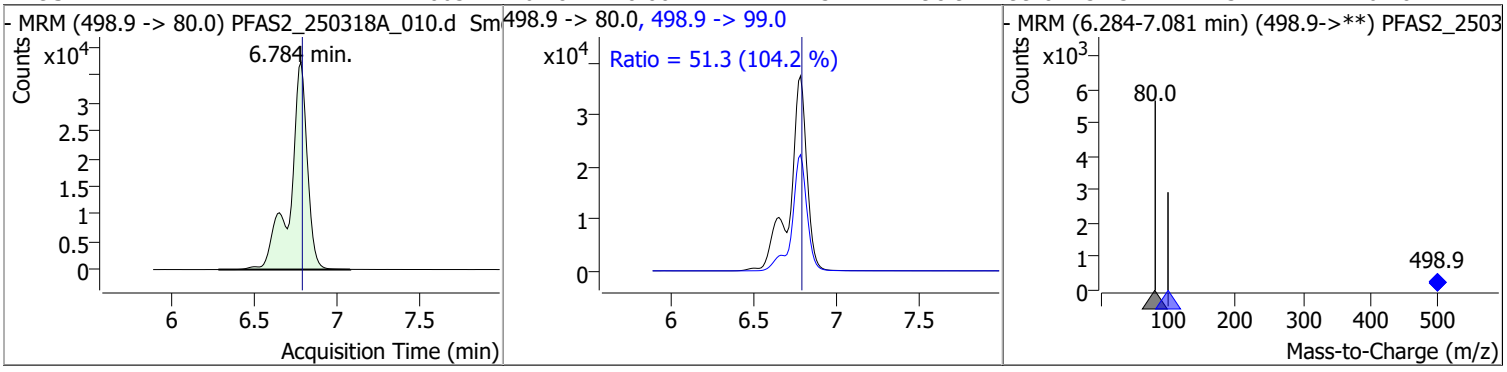
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4976	6.78	0.00	24889	507.0 -> 99.0	56.2	36.0	66.9



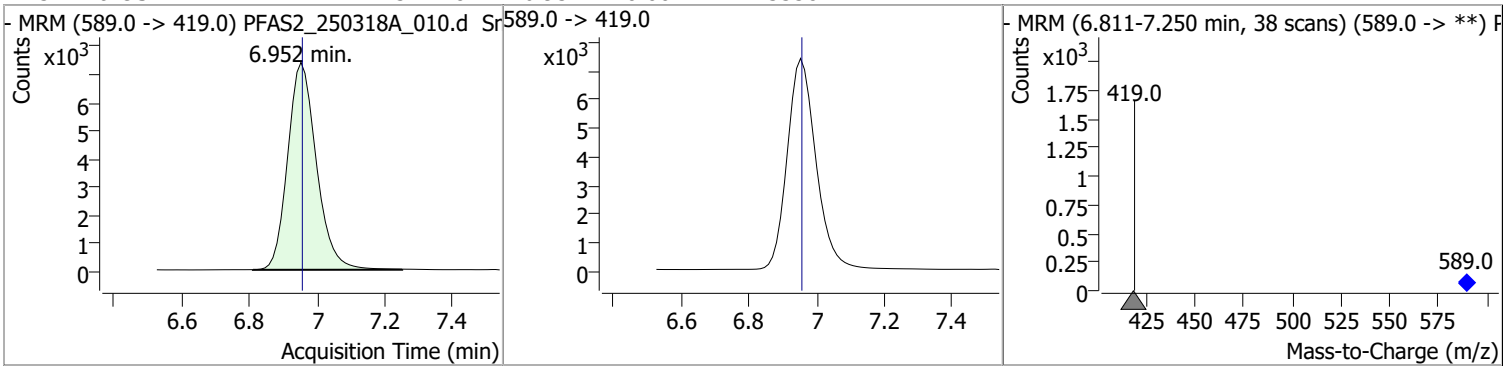
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	24553	503.0 -> 99.0	56.3	36.6	67.9



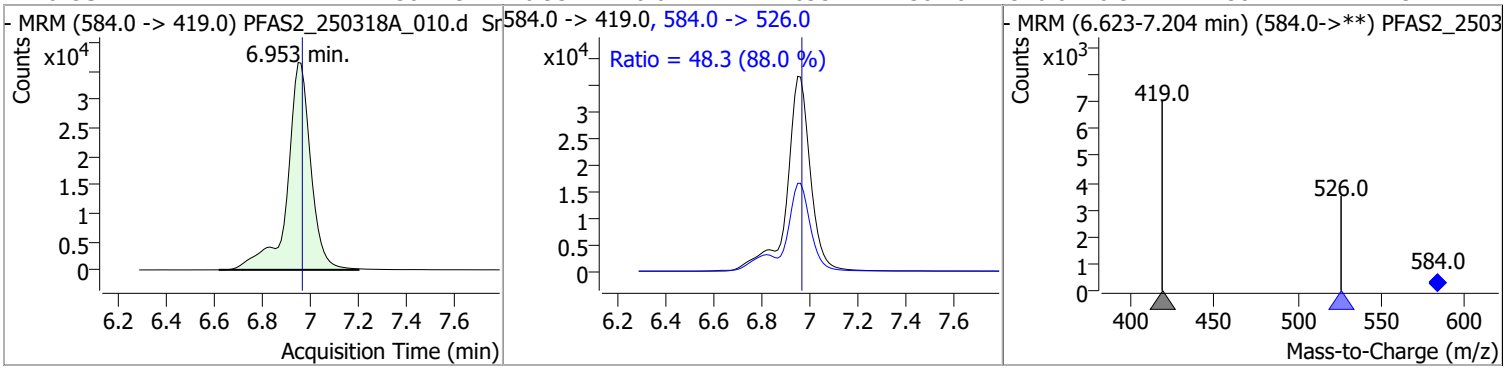
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	27.0631	6.78	0.00	271145	498.9 -> 99.0	51.3	34.4	64.0



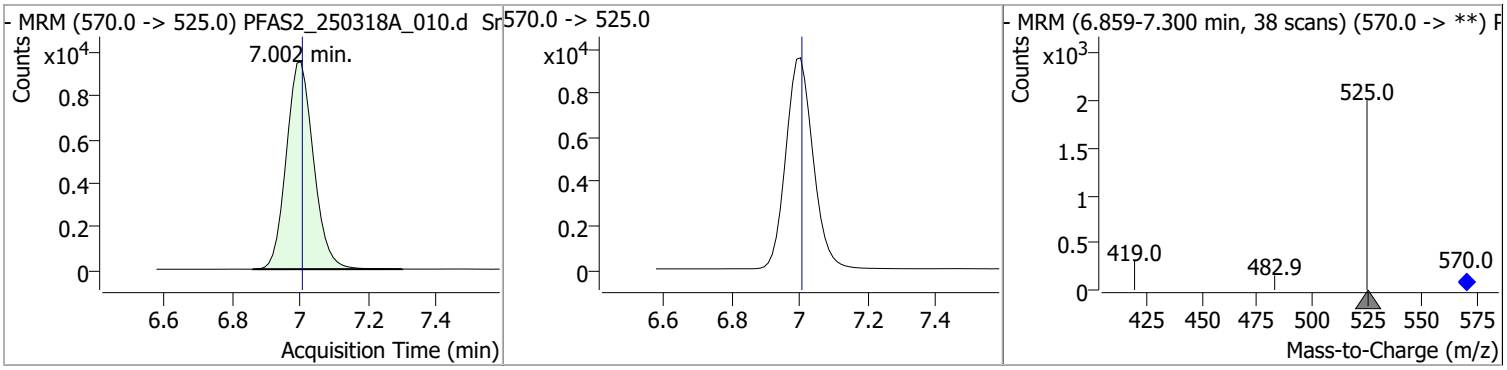
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2128	6.95	0.00	43358				



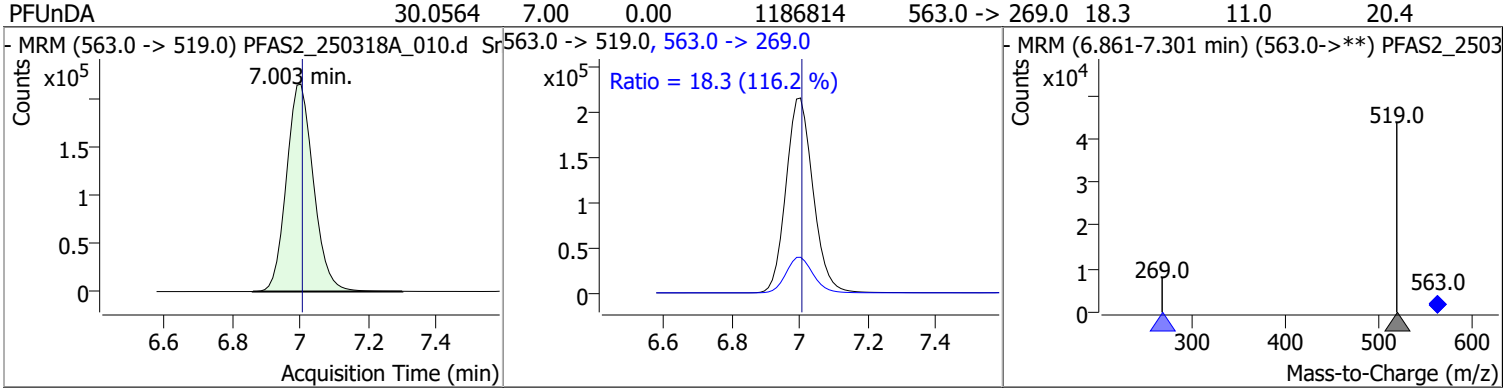
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	30.2232	6.95	-0.01	247895	584.0 -> 526.0	48.3	38.4	71.3



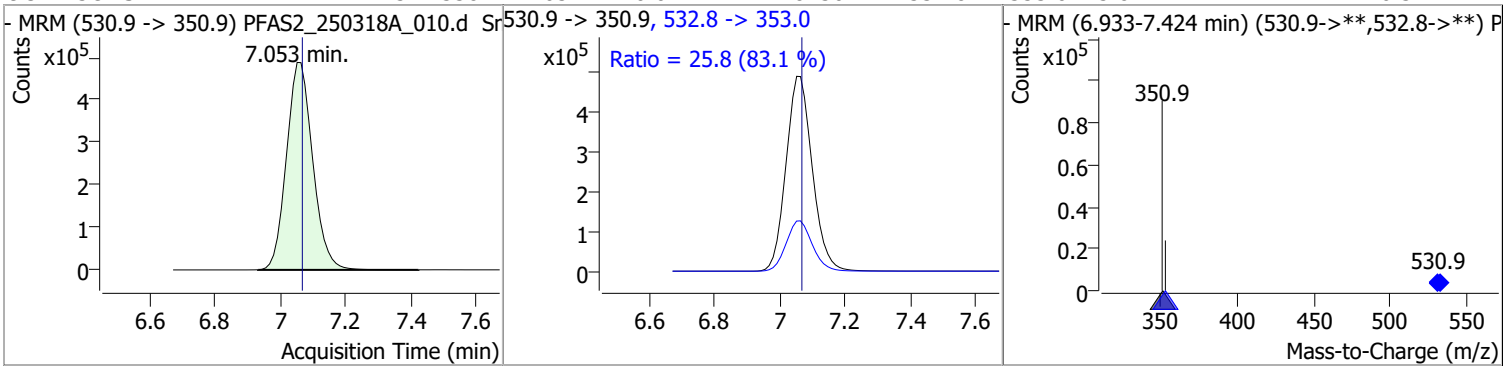
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2527	7.00	0.00	53034				



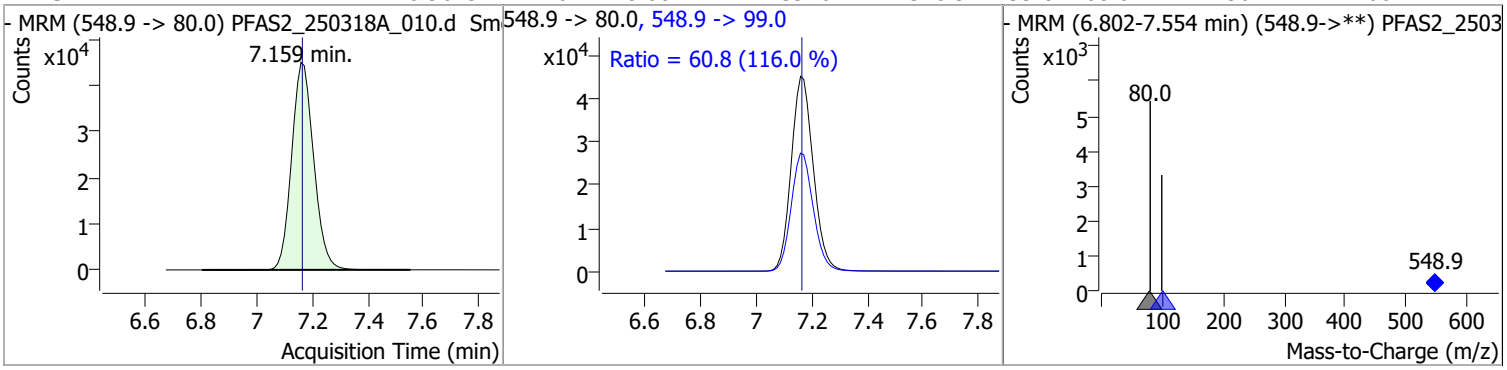
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	30.0564	7.00	0.00	1186814	563.0 -> 269.0	18.3	11.0	20.4



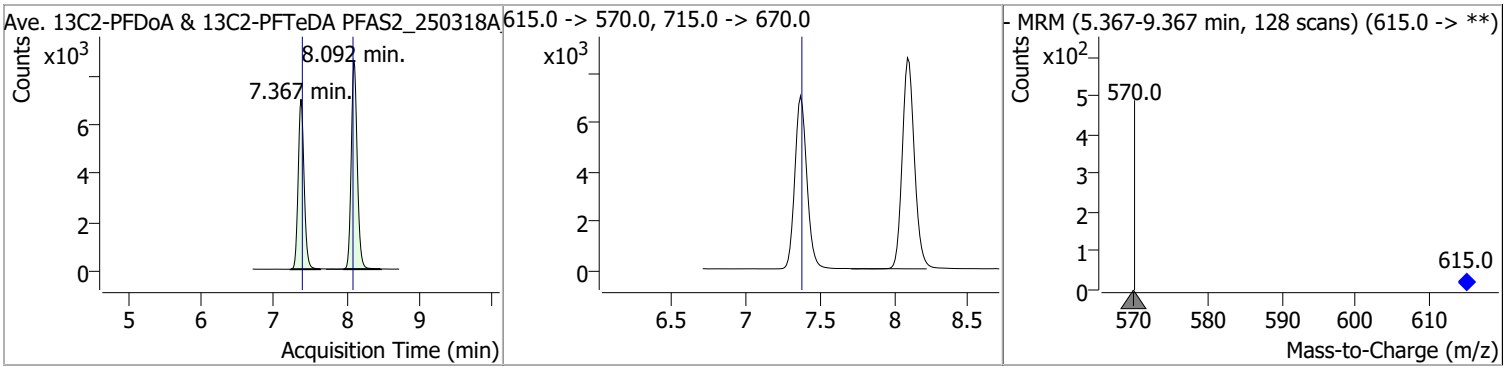
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	54.7338	7.05	-0.01	2718730	532.8 -> 353.0	25.8	21.7	40.3



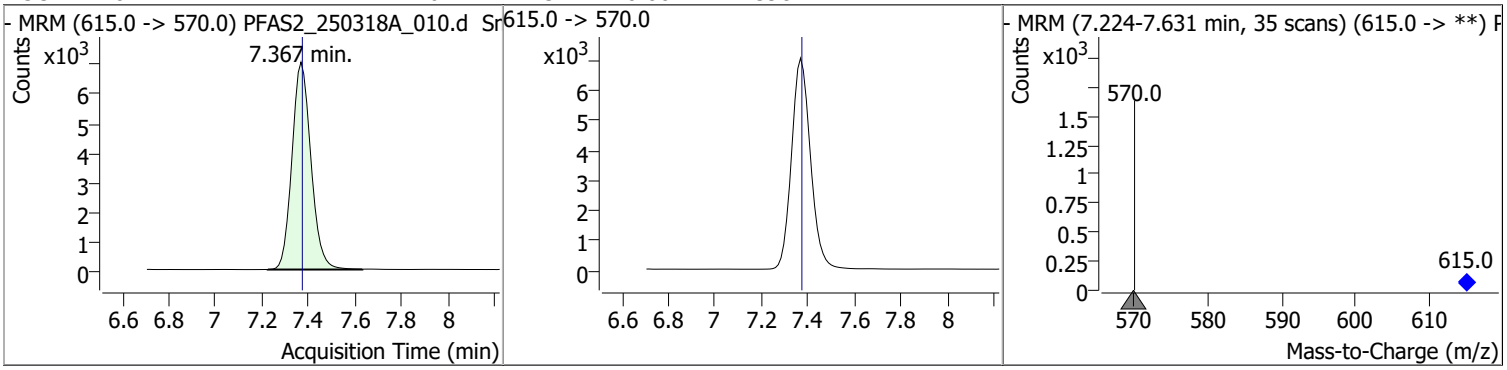
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	28.9649	7.16	0.00	245916	548.9 -> 99.0	60.8	36.7	68.1



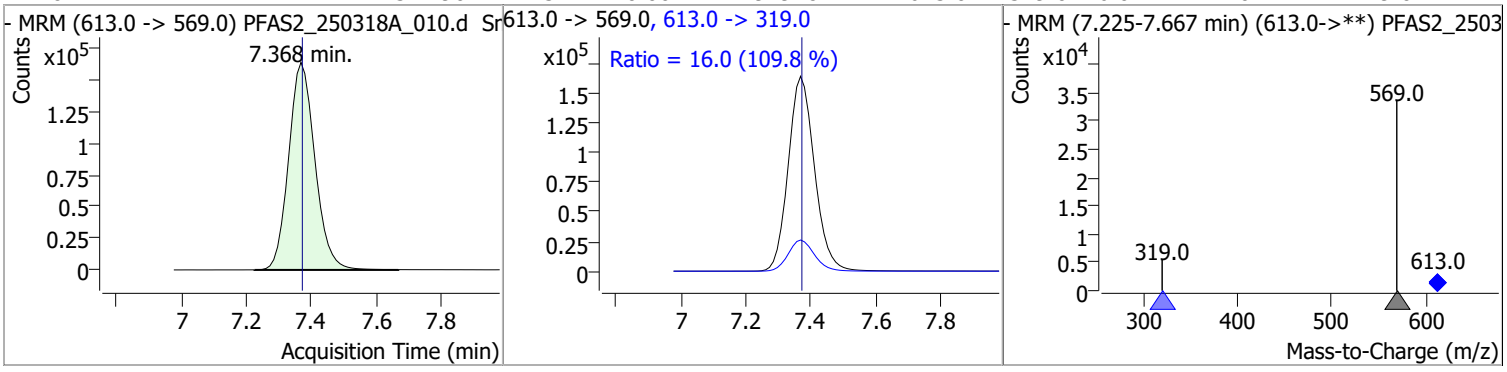
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2779	7.73	0.36	44594				



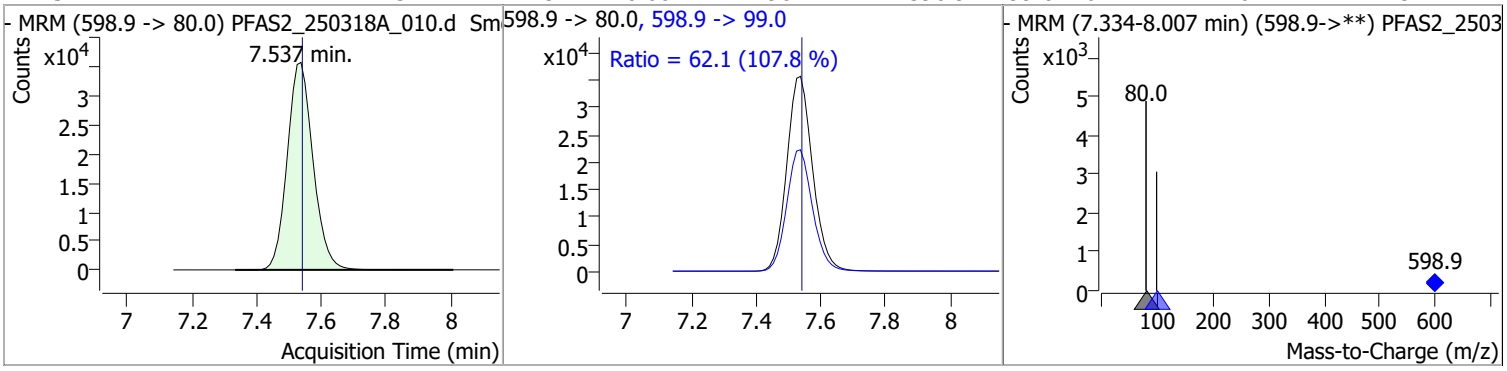
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2624	7.37	0.00	39817				



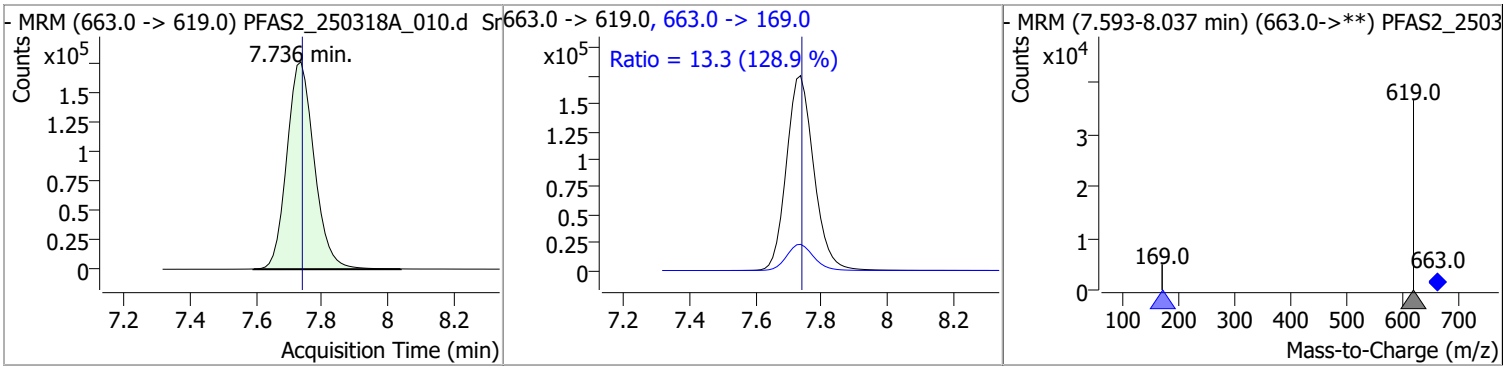
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	31.4902	7.37	0.00	919187	613.0 -> 319.0	16.0	10.2	19.0



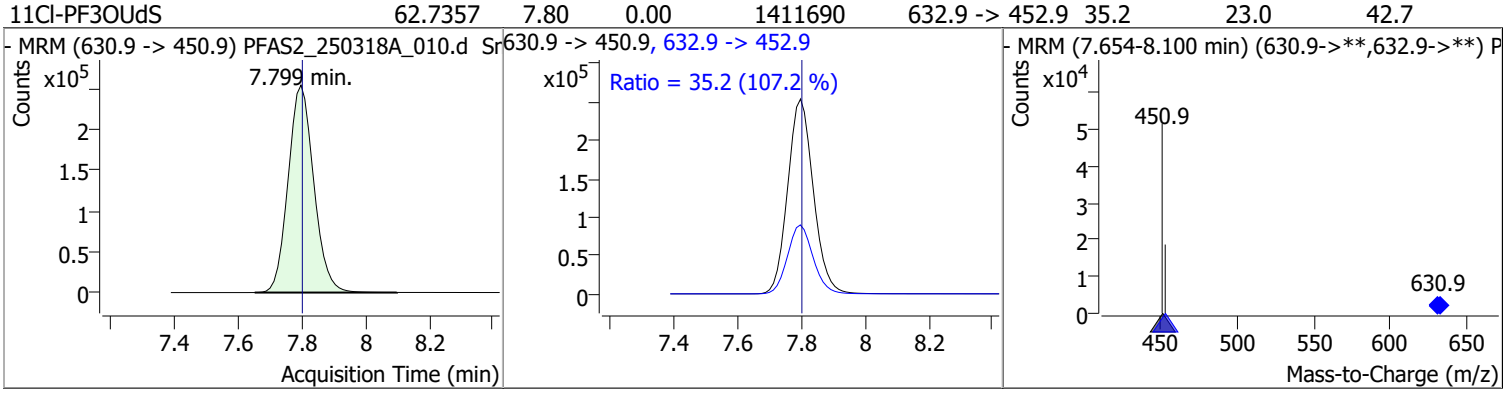
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	31.2472	7.54	0.00	198222	598.9 -> 99.0	62.1	40.4	74.9



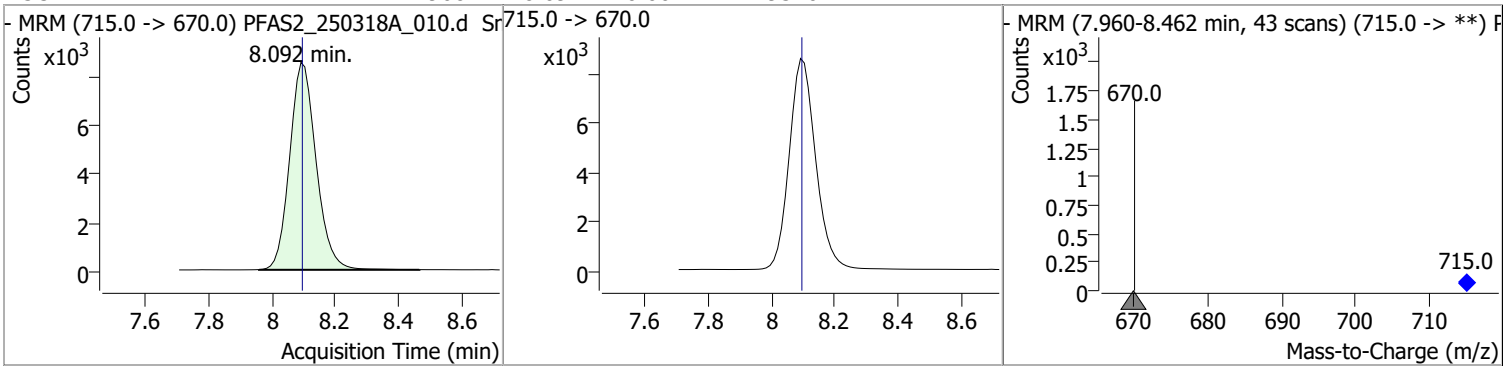
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	29.9135	7.74	0.00	1005102	663.0 -> 169.0	13.3	7.2	13.4



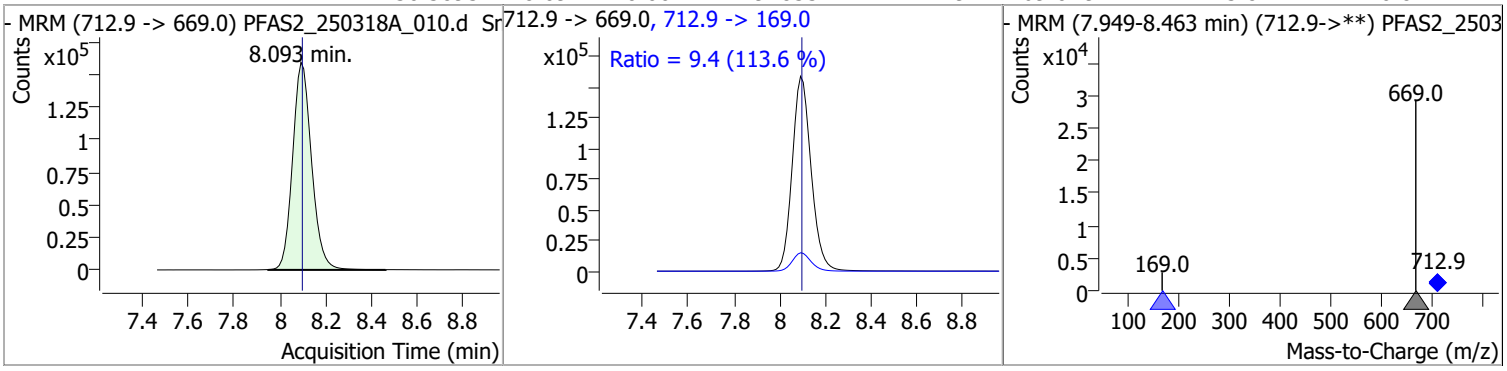
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	62.7357	7.80	0.00	1411690	632.9 -> 452.9	35.2	23.0	42.7



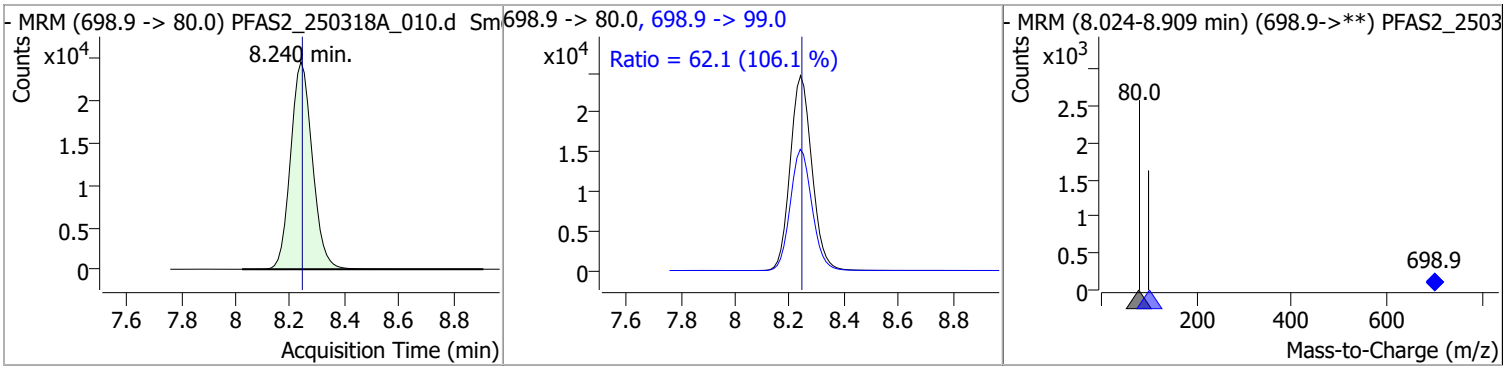
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2908	8.09	0.00	49370				



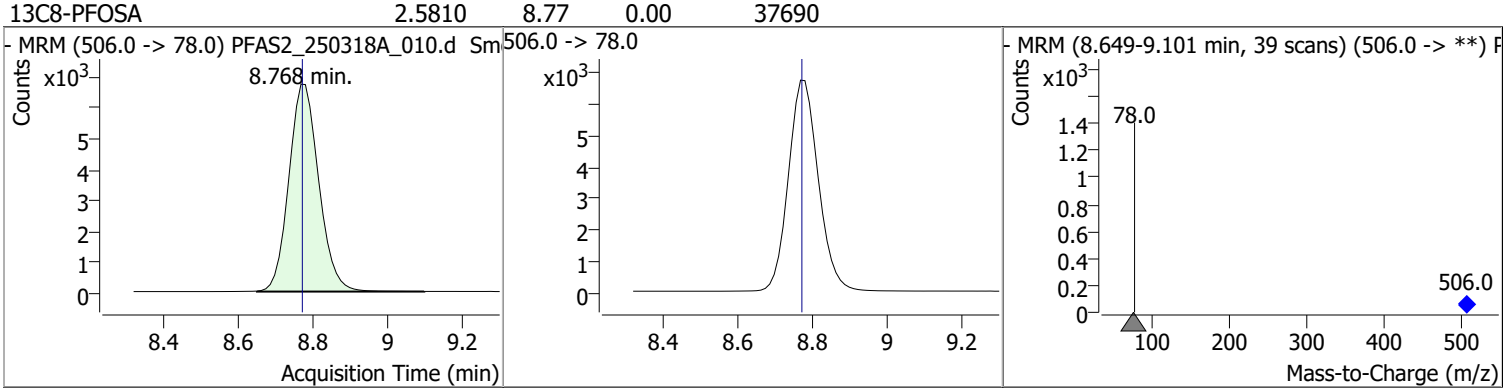
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	30.3893	8.09	0.00	918337	712.9 -> 169.0	9.4	5.8	10.8



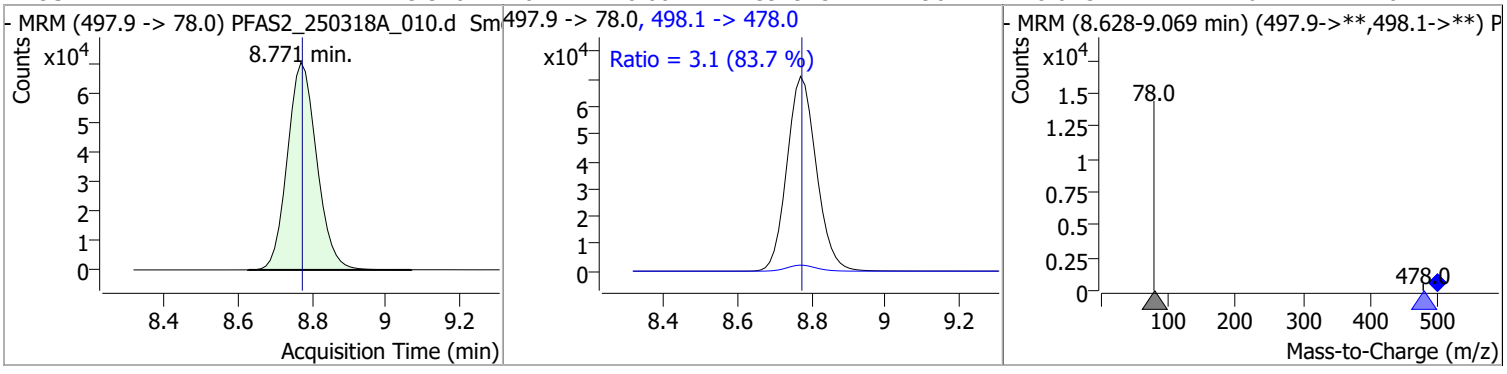
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	30.6346	8.24	0.00	135892	698.9 -> 99.0	62.1	41.0	76.1



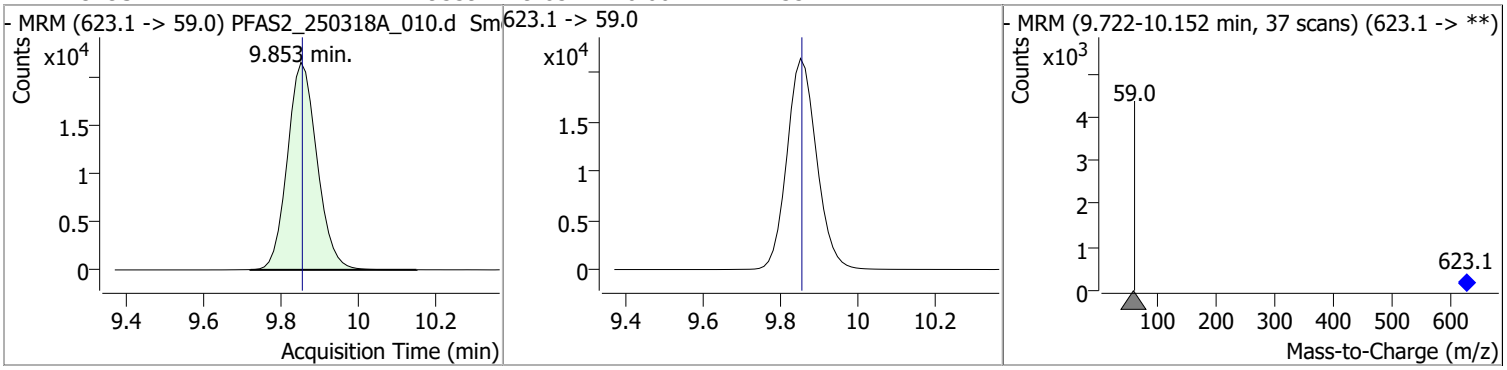
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5810	8.77	0.00	37690				



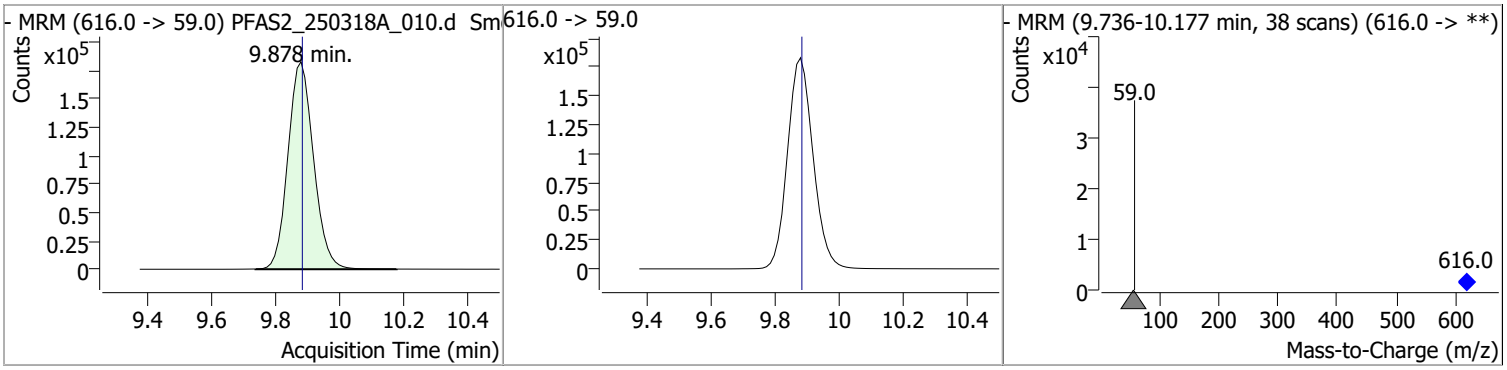
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	29.9201	8.77	0.00	391925	498.1 -> 478.0	3.1	2.6	4.8



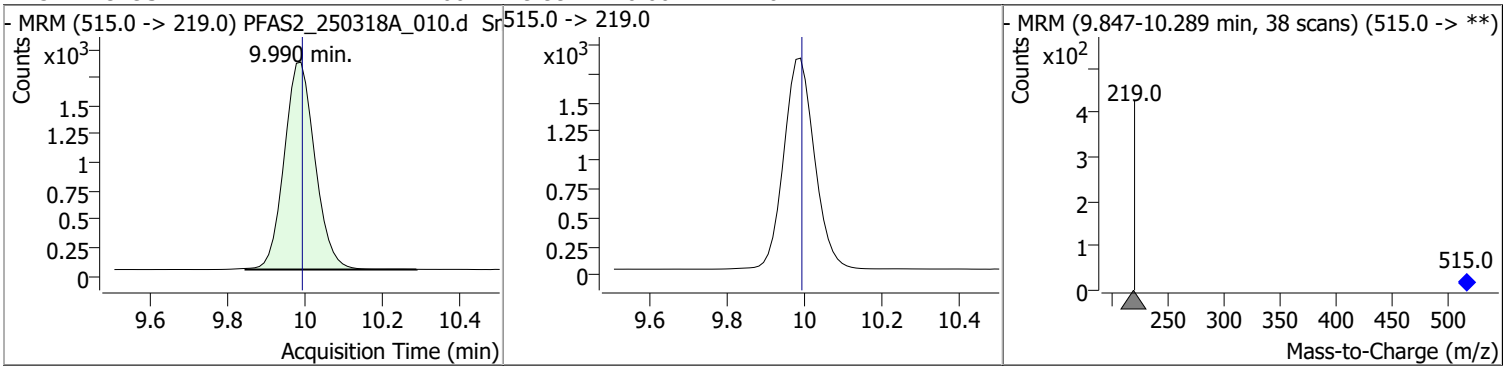
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.9339	9.85	0.00	113527				



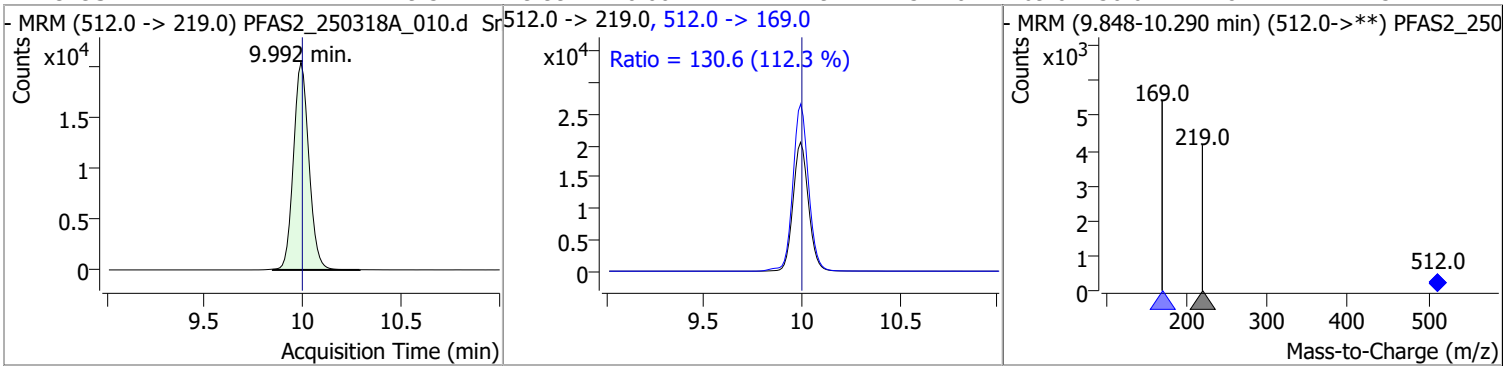
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	302.8507	9.88	0.00	1013868				



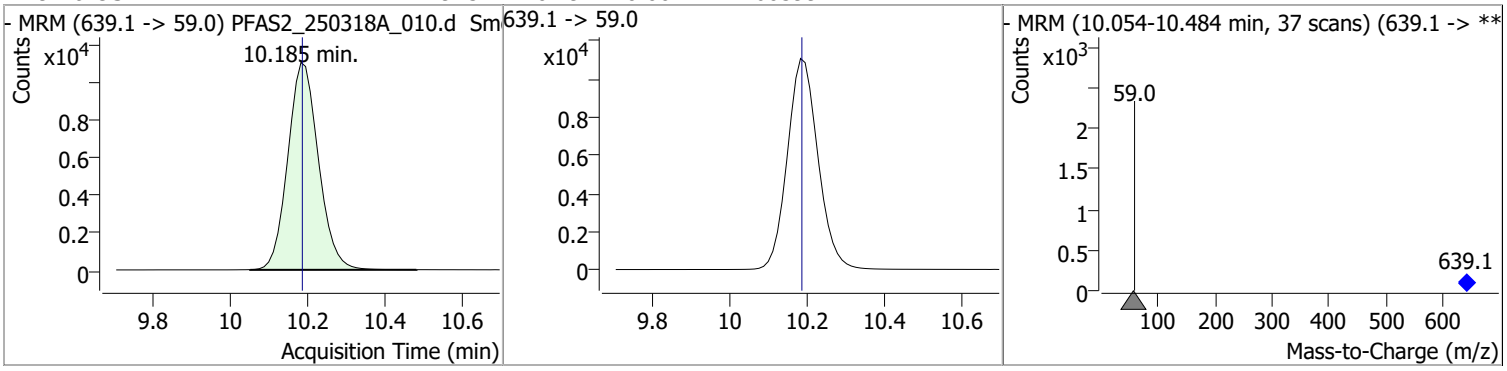
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4700	9.99	0.00	10122				



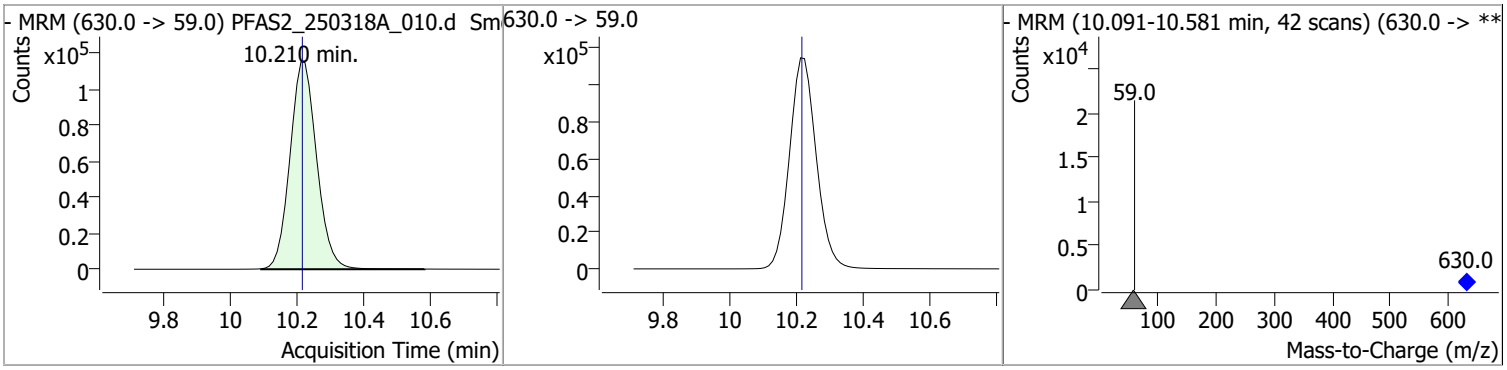
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	29.3472	9.99	0.00	111729	512.0 -> 169.0	130.6	81.4	151.2



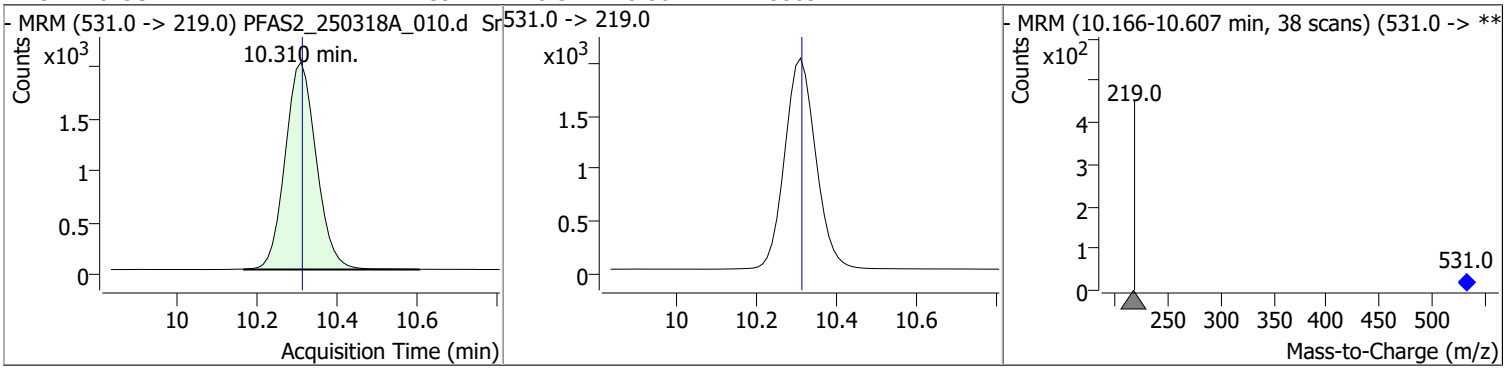
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.1915	10.19	0.00	60599				



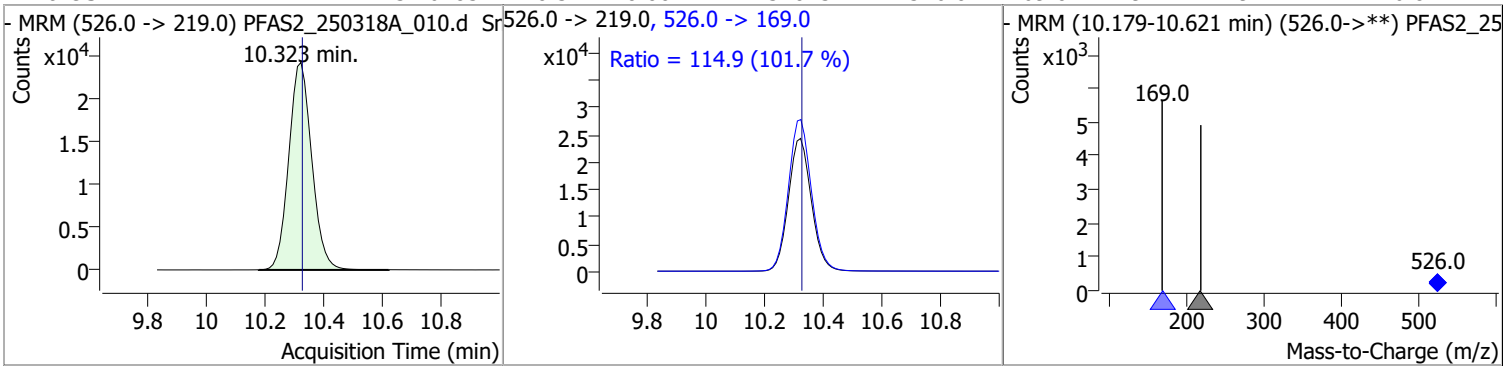
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	306.5095	10.21	0.00	642427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4392	10.31	0.00	10809				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	31.6783	10.32	0.00	132073	526.0 -> 169.0	114.9	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:29:09 PM
Sample Name	SEQ-CAL9	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

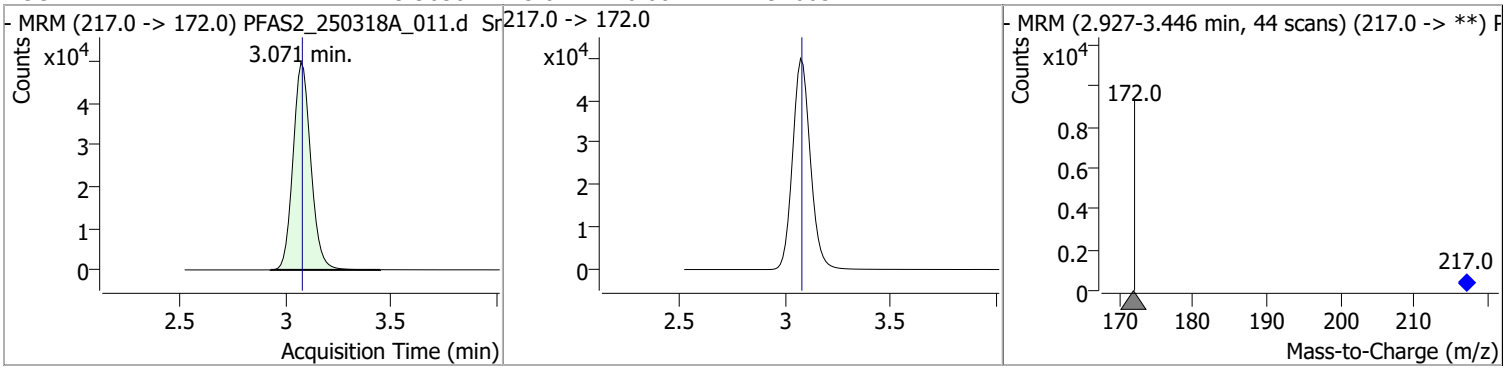
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	129551	5.0000	µg/L		-5.328
13C2-PFHxA	4.890	315.0 -> 270.0	153466	2.5000	µg/L		0.027
18O2-PFHxS	5.955	403.0 -> 84.0	29472	2.5000	µg/L		-0.534
13C4-PFOA	5.823	417.0 -> 172.0	15160	2.5000	µg/L		-1.866
13C5-PFNA	6.226	468.0 -> 423.0	67063	1.2500	µg/L		-5.774
13C2-PFDA	6.615	515.0 -> 470.0	66912	1.2500	µg/L		0.054
13C4-PFOS	6.783	503.0 -> 80.0	23629	2.5000	µg/L		-5.139
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	291603	10.0000	µg/L		-6.186
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.05%			
13C5-PFPeA	4.222	268.0 -> 223.0	201293	5.0000	µg/L		-2.719
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	201293	5.0000	µg/L		-2.719
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.26%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	20777	5.0000	µg/L	#	-17.761
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.02%			
13C5-PFHxA	4.889	318.0 -> 273.0	169575	2.5000	µg/L		0.433
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C5-PFHxA	4.889	318.0 -> 273.0	169575	2.5000	µg/L		0.433
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFBS	4.929	302.0 -> 80.0	55979	2.5000	µg/L		-7.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.78%			
13C3-PFBS	4.929	302.0 -> 80.0	55979	2.5000	µg/L		-7.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.78%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	169952	10.0000	µg/L		-2.757
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.21%			
13C4-PFHpA	5.397	367.0 -> 322.0	189936	2.5000	µg/L		0.556
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.56%			
13C3-PFHxS	5.956	402.0 -> 80.0	31964	2.5000	µg/L		-8.539
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.98%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12865	5.0000	µg/L	#	-12.890
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.67%			
13C8-PFOA	5.823	421.0 -> 376.0	169125	2.5000	µg/L		-2.093
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.79%			
13C3-PFHxS	5.956	402.0 -> 80.0	31964	2.5000	µg/L		-8.539
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.98%			
13C9-PFNA	6.225	472.0 -> 427.0	66922	1.2500	µg/L		-5.027
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.75%			
13C8-PFOS	6.782	507.0 -> 80.0	23340	2.5000	µg/L		-7.686
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.35%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11343	5.0000	µg/L		-4.243
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.15%			
13C6-PFDA	6.615	519.0 -> 474.0	65340	1.2500	µg/L		-3.856
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.00%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	57544	5.0000	µg/L		3.091

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.55%		
13C8-PFOS	6.782	507.0 -> 80.0	23340	2.5000	µg/L	-7.686
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.35%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	44947	5.0000	µg/L	6.586
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 112.31%		
13C7-PFUnDA	7.002	570.0 -> 525.0	50607	1.2500	µg/L	-5.589
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 94.35%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.735	615.0 -> 570.0	46056	1.2500	µg/L	4.400
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.17%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42135	1.2500	µg/L	5.481
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 105.43%		
13C2-PFTDA	8.104	715.0 -> 670.0	49978	1.2500	µg/L	3.505
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.13%		
13C8-PFOSA	8.780	506.0 -> 78.0	37986	2.5000	µg/L	2.772
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.12%		
2H7-MeFOSE	9.853	623.1 -> 59.0	110558	25.0000	µg/L	-12.007
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 92.83%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10682	2.5000	µg/L	3.017
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.34%		
2H9-EtFOSE	10.185	639.1 -> 59.0	58367	25.0000	µg/L	-8.097
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.85%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11254	2.5000	µg/L	0.124
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.56%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	4146543	162.0376	µg/L	100
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 101.27%		
PFMPA	3.614	229.0 -> 85.0	1558946	80.2188	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 100.27%		
3-3 FTCA	3.778	241.0 -> 177.0	119020	158.1200	µg/L	98
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 98.82%		
PFPeA	4.223	263.0 -> 219.0	2970904	79.6642	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 99.58%		
PFMBA	4.453	279.0 -> 85.0	2227996	78.7514	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.44%		
4-2 FTSA	4.698	327.0 -> 307.0	1733603	137.2859	µg/L	97
Spiked Amount: 150.000	Range: 70 - 130%			Recovery = 91.52%		
NFDHA	4.823	295.0 -> 201.0	96687	77.5250	µg/L	99
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 96.91%		
PFHxA	4.892	313.0 -> 269.0	2461066	40.5584	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.40%		
PFBS	4.930	298.9 -> 80.0	849037	36.5526	µg/L	94
Spiked Amount: 35.480	Range: 70 - 130%			Recovery = 103.02%		
HFPO-DA	5.087	285.0 -> 169.0	1276109	84.6317	µg/L	98
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 105.79%		
PFEESA	5.201	314.9 -> 135.0	5446528	72.5190	µg/L	98
Spiked Amount: 71.200	Range: 70 - 130%			Recovery = 101.85%		
PFHpA	5.398	363.0 -> 319.0	3022158	41.1217	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.80%		
5-3 FTCA	5.447	341.0 -> 237.0	4143979	808.6187	µg/L	93
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 101.08%		
PFPeS	5.494	348.9 -> 80.0	747428	43.3066	µg/L	92
Spiked Amount: 37.640	Range: 70 - 130%			Recovery = 115.05%		
DONA	5.551	377.0 -> 251.0	7672020	76.3606	µg/L	99
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 101.01%		

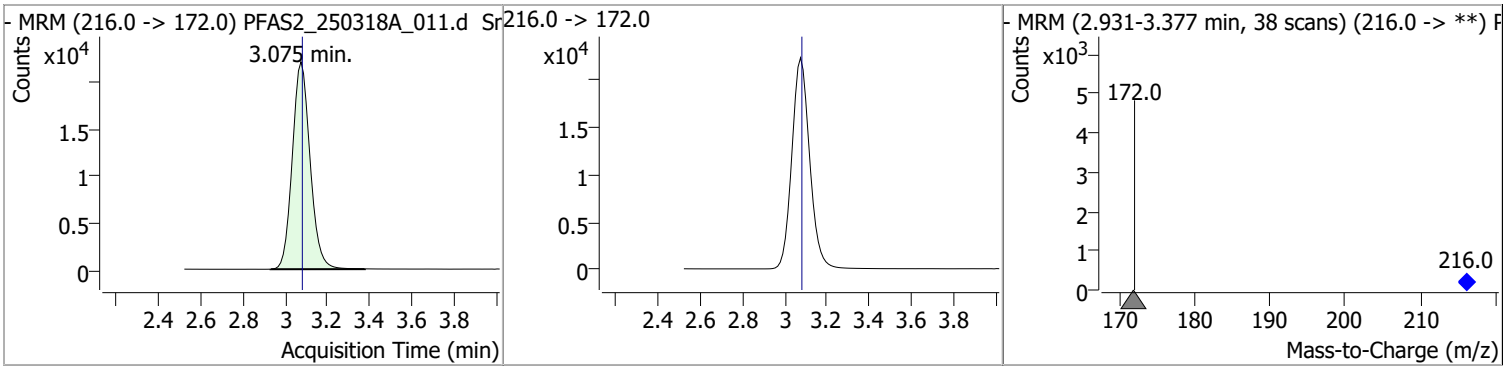
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	1296203	158.6675	µg/L		93
Spiked Amount: 152.000	Range: 70 - 130%			Recovery = 104.39%			
PFOA	5.824	413.0 -> 369.0	2700658	40.2881	µg/L		97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.72%			
PFHxS	5.957	398.9 -> 80.0	514176	41.3562	µg/L		92
Spiked Amount: 36.560	Range: 70 - 130%			Recovery = 113.12%			
PFNA	6.226	463.0 -> 419.0	2136782	40.9013	µg/L		98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.25%			
PFHpS	6.382	448.9 -> 80.0	370336	38.1470	µg/L		92
Spiked Amount: 38.120	Range: 70 - 130%			Recovery = 100.07%			
8-2 FTSA	6.436	527.0 -> 507.0	704999	157.2676	µg/L	#	73
Spiked Amount: 153.600	Range: 70 - 130%			Recovery = 102.39%			
7-3 FTCA	6.597	441.0 -> 317.0	3150872	787.4113	µg/L		98
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 98.43%			
PFDA	6.615	513.0 -> 469.0	2045915	40.9154	µg/L		94
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.29%			
N-MeFOSAA	6.742	570.0 -> 419.0	403302	39.6831	µg/L		100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 99.21%			
PFOS	6.784	498.9 -> 80.0	365659	38.9041	µg/L		97
Spiked Amount: 37.120	Range: 70 - 130%			Recovery = 104.81%			
N-EtFOSAA	6.953	584.0 -> 419.0	331691	39.0063	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.52%			
PFUnDA	7.003	563.0 -> 519.0	1503402	39.8954	µg/L		93
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 99.74%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	3568467	73.9919	µg/L		91
Spiked Amount: 74.800	Range: 70 - 130%			Recovery = 98.92%			
PFNS	7.171	548.9 -> 80.0	318645	40.0209	µg/L		88
Spiked Amount: 38.480	Range: 70 - 130%			Recovery = 104.00%			
PFDoDA	7.368	613.0 -> 569.0	1238213	40.0869	µg/L		95
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.22%			
PFDS	7.537	598.9 -> 80.0	268261	45.0932	µg/L		94
Spiked Amount: 38.600	Range: 70 - 130%			Recovery = 116.82%			
PFTrDA	7.736	663.0 -> 619.0	1430537	41.2234	µg/L		95
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 103.06%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	2096137	93.1153	µg/L		96
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 123.17%			
PFTDA	8.104	712.9 -> 669.0	1242704	40.6214	µg/L		97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.55%			
PFDoS	8.240	698.9 -> 80.0	181596	43.6535	µg/L		92
Spiked Amount: 38.800	Range: 70 - 130%			Recovery = 112.51%			
PFOSA	8.771	497.9 -> 78.0	543880	41.1977	µg/L		98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.99%			
MeFOSE	9.878	616.0 -> 59.0	1318917	407.5516	µg/L		100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 101.89%			
N-MeFOSA	9.992	512.0 -> 219.0	162527	40.4527	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.13%			
EtFOSE	10.222	630.0 -> 59.0	812765	407.8099	µg/L		100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 101.95%			
N-EtFOSA	10.323	526.0 -> 219.0	187162	43.1161	µg/L		100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 107.79%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

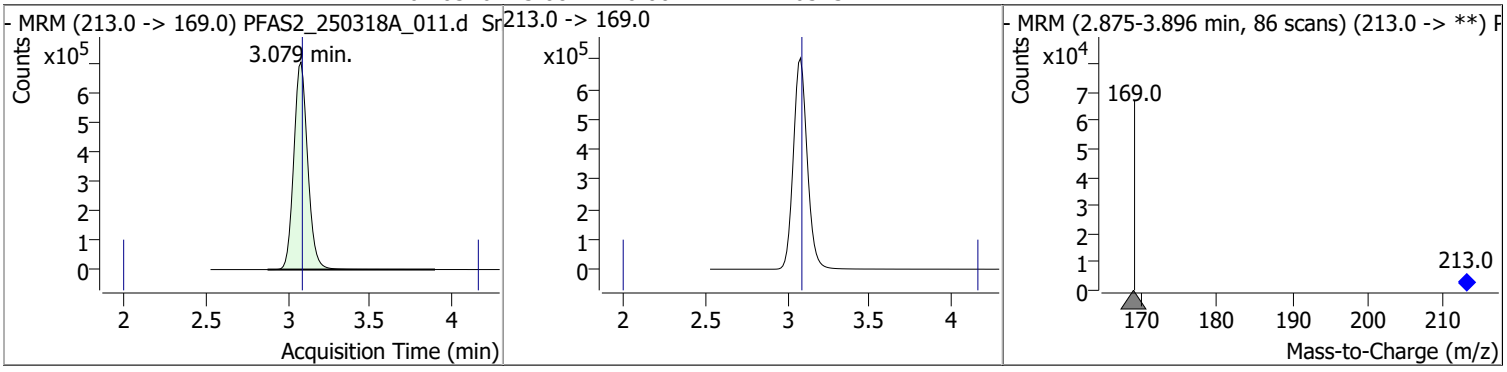
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9050	3.07	0.00	291603				



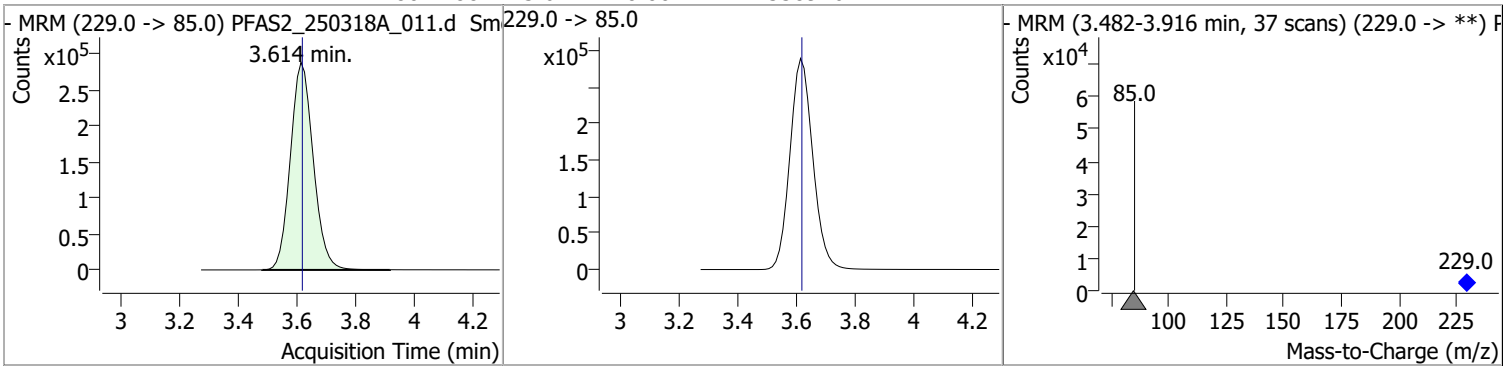
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	129551				



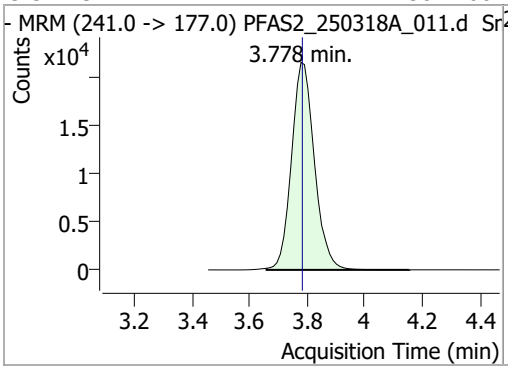
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	162.0376	3.08	0.00	4146543				

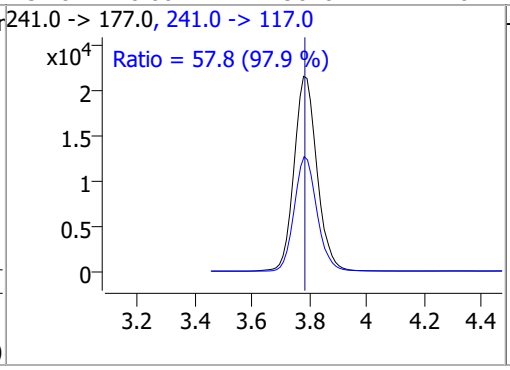


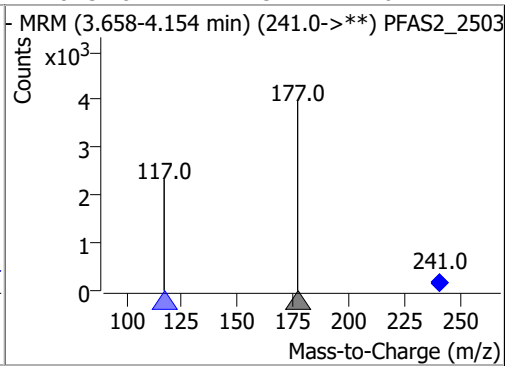
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	80.2188	3.61	0.00	1558946				



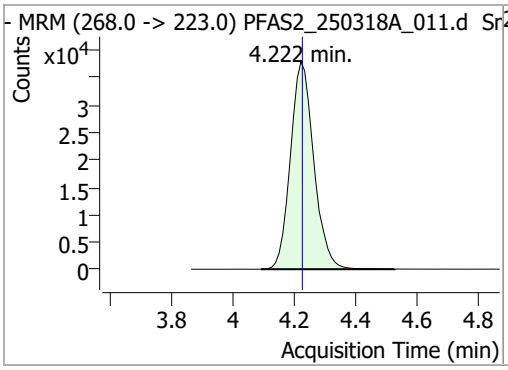
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	158.1200	3.78	0.00	119020	241.0 -> 117.0	57.8	41.3	76.7

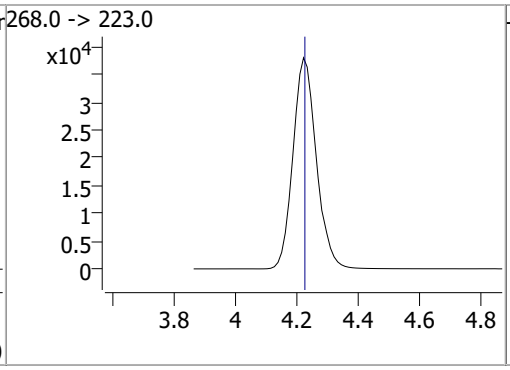


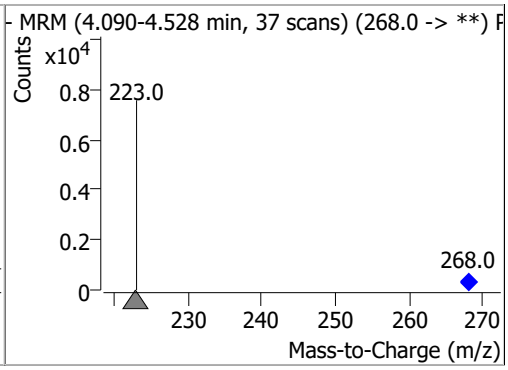




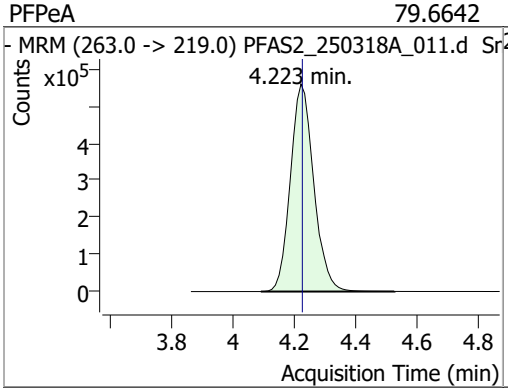
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8630	4.22	0.00	201293				

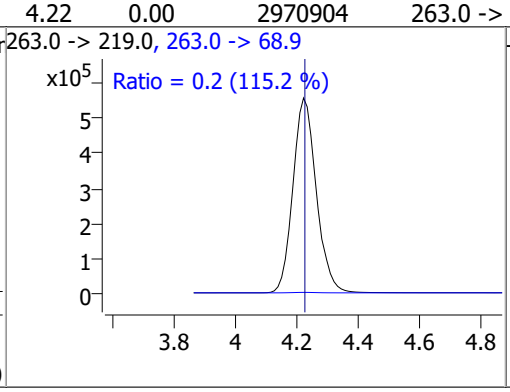


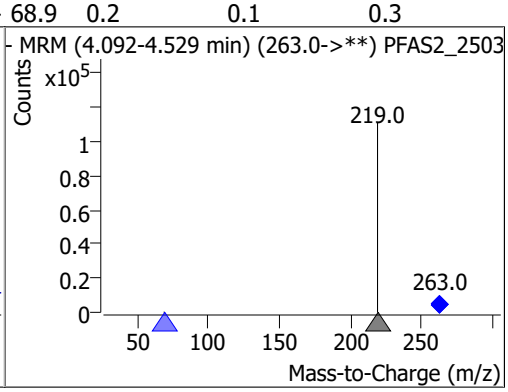




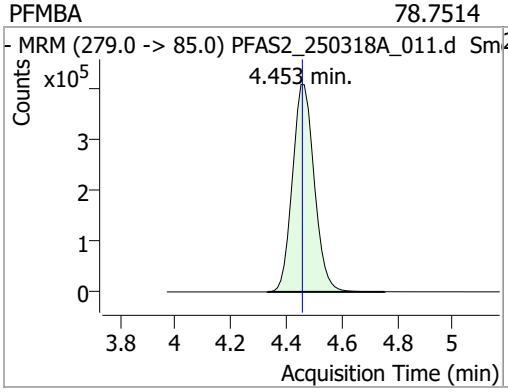
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	79.6642	4.22	0.00	2970904	263.0 -> 68.9	0.2	0.1	0.3

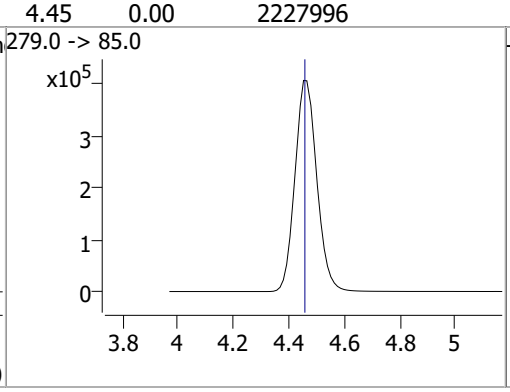


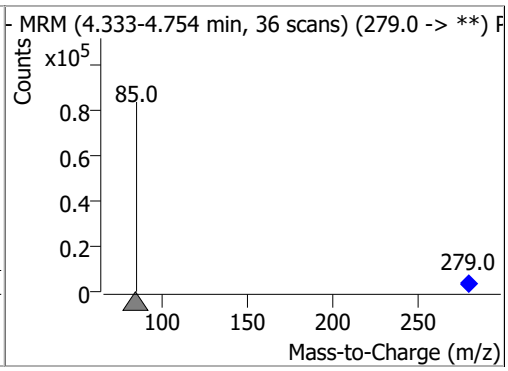




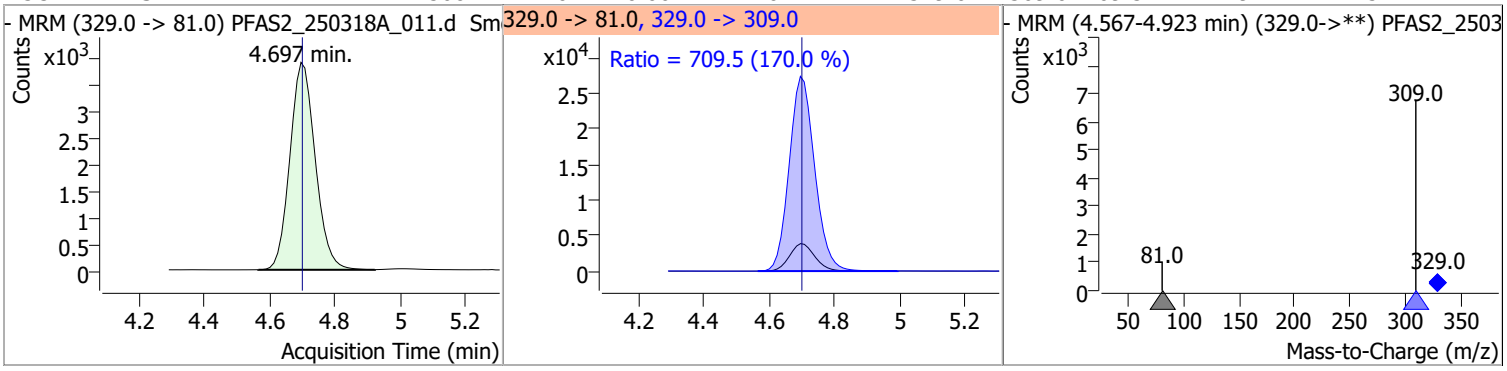
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	78.7514	4.45	0.00	2227996				



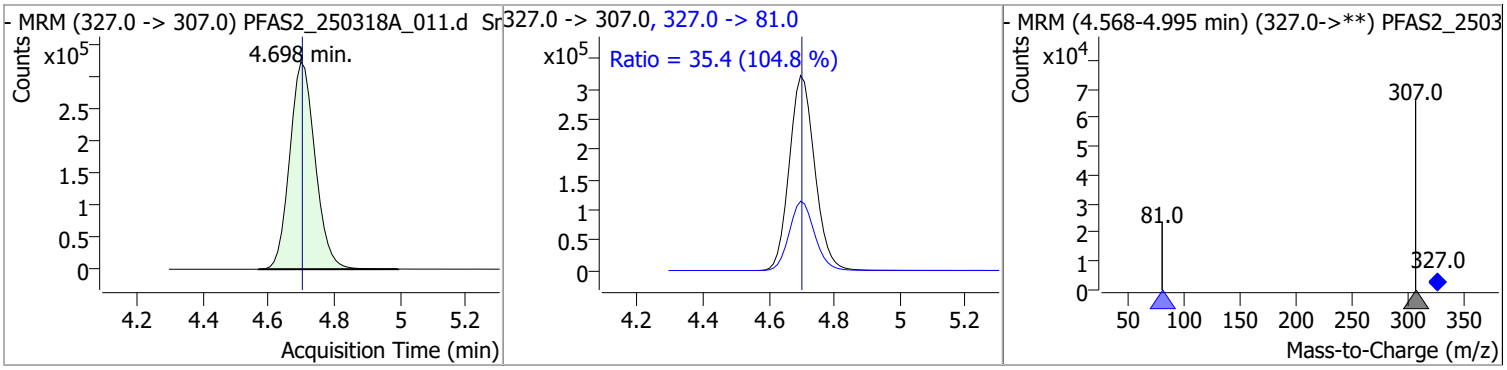




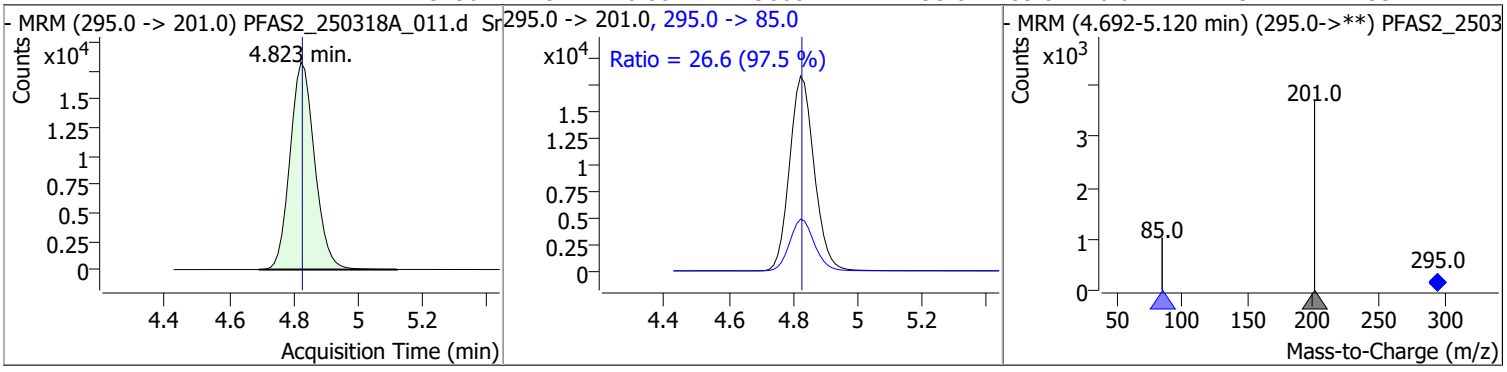
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1508	4.70	0.00	20777	329.0 -> 309.0	709.5	292.1	542.4



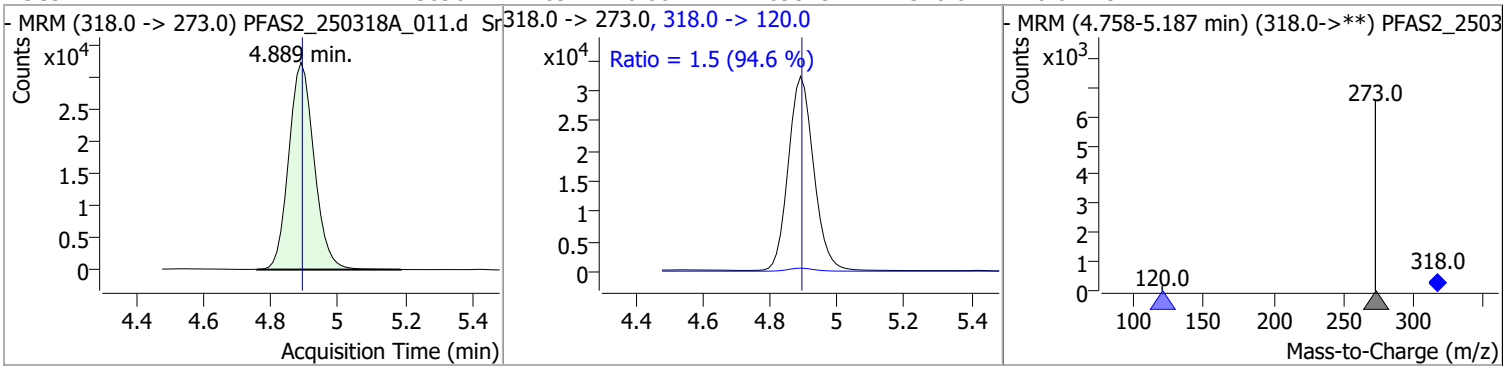
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	137.2859	4.70	0.00	1733603	327.0 -> 81.0	35.4	23.6	43.9



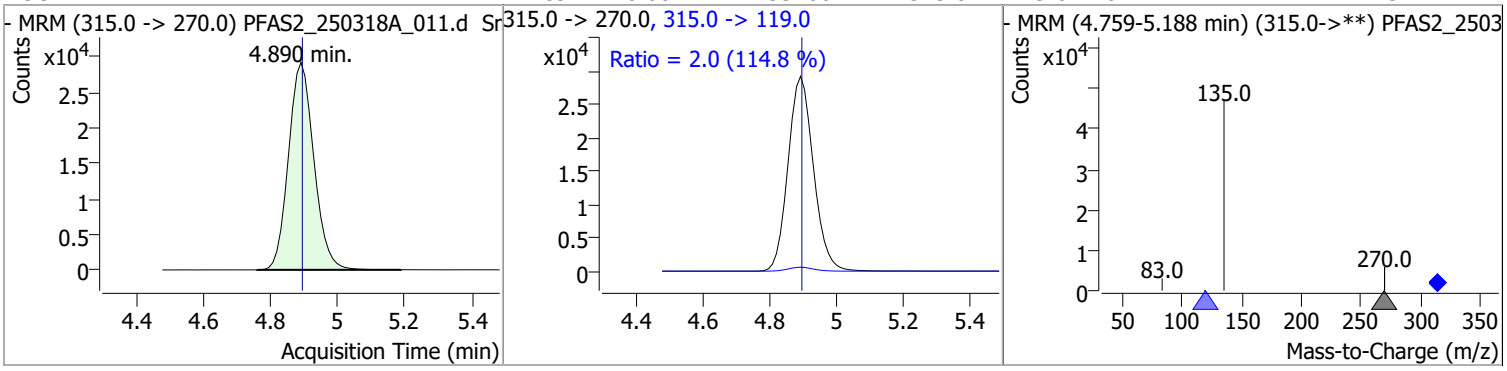
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	77.5250	4.82	0.00	96687	295.0 -> 85.0	26.6	19.1	35.4



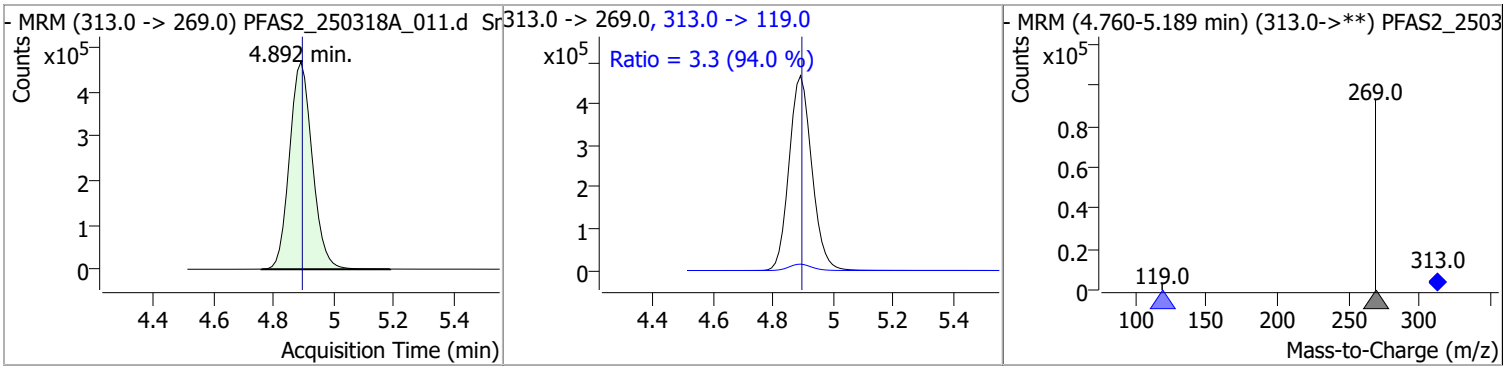
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5096	4.89	0.00	169575	318.0 -> 120.0	1.5	1.1	2.1



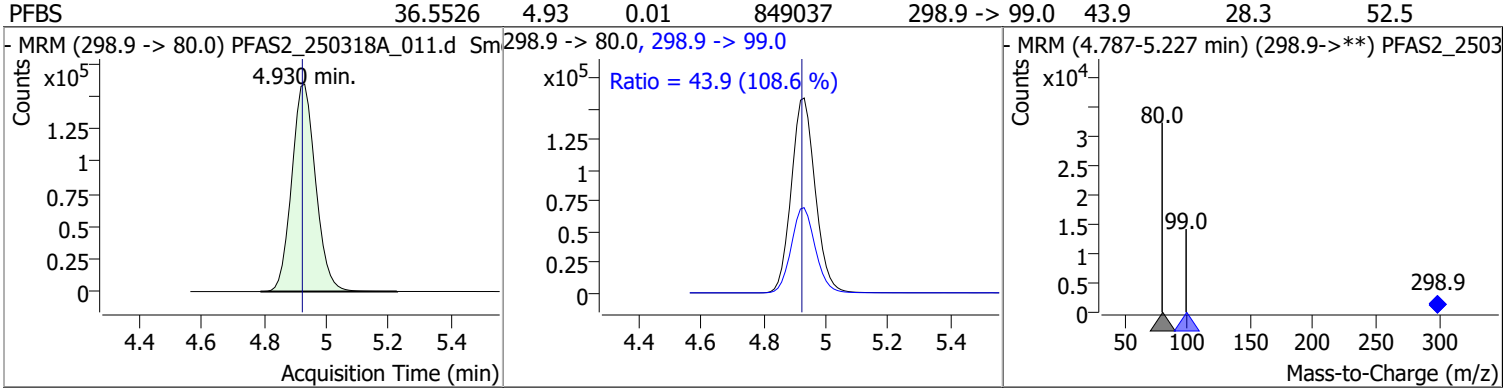
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	153466	315.0 -> 119.0	2.0	1.2	2.3



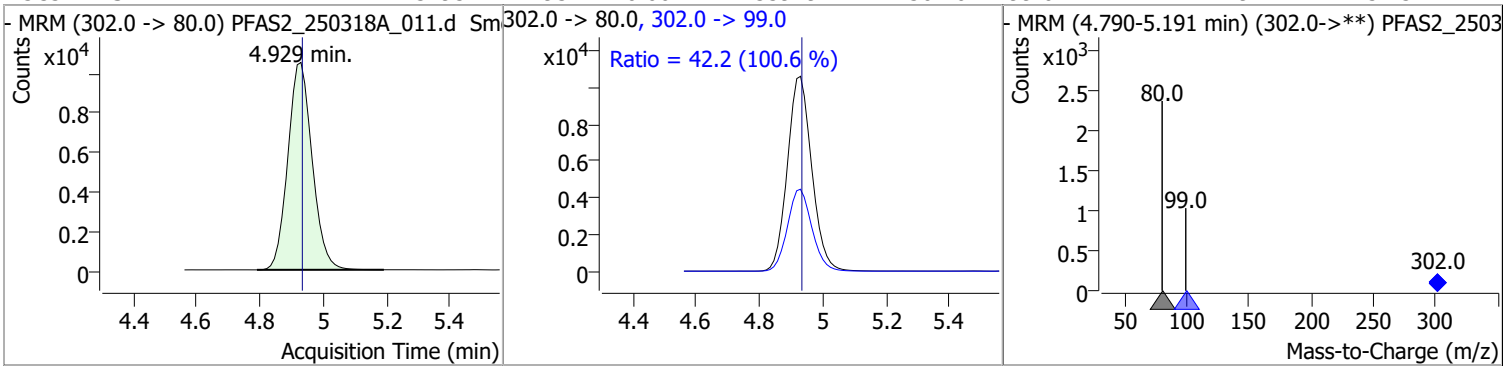
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	40.5584	4.89	0.00	2461066	313.0 -> 119.0	3.3	2.4	4.5



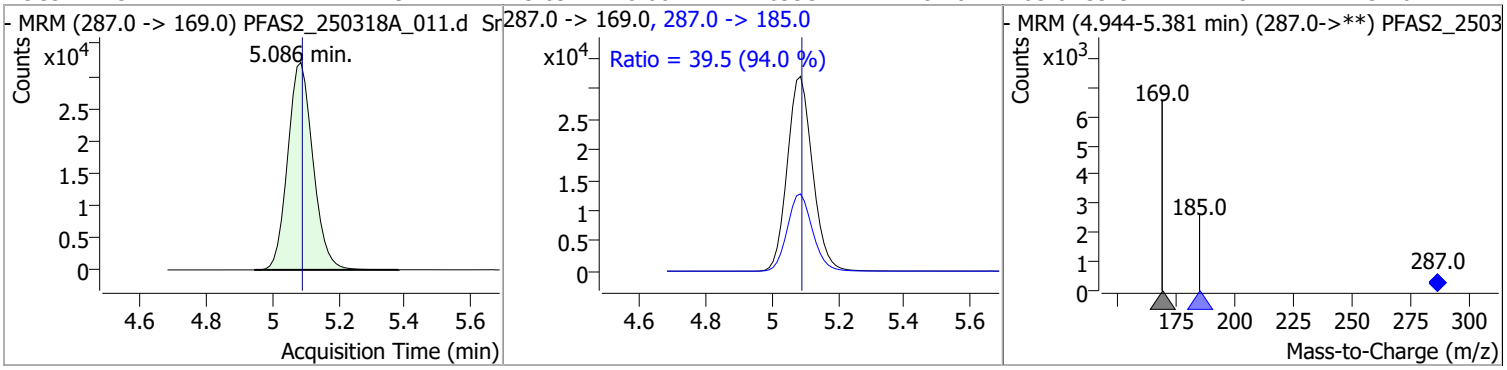
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	36.5526	4.93	0.01	849037	298.9 -> 99.0	43.9	28.3	52.5



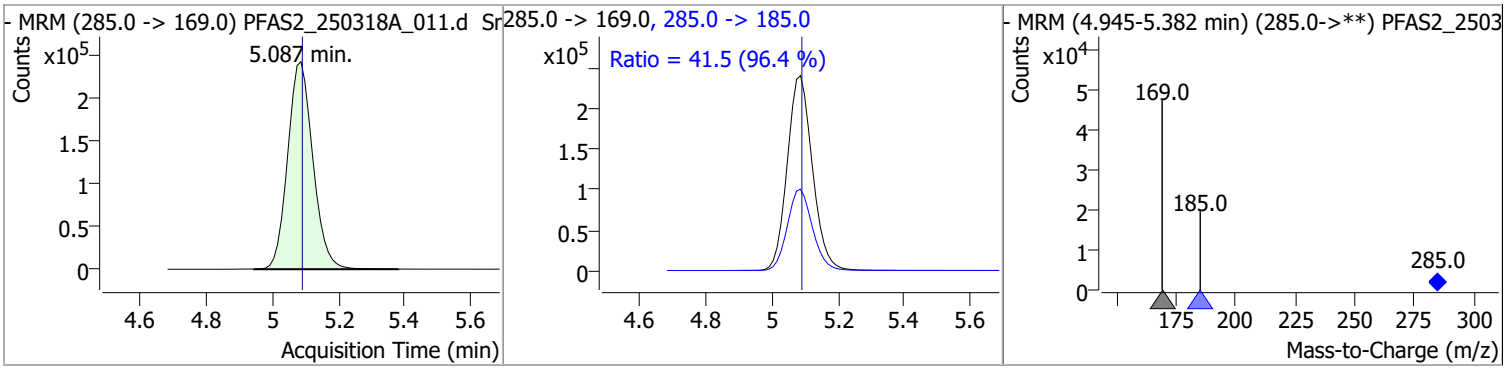
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3195	4.93	0.00	55979	302.0 -> 99.0	42.2	29.4	54.5



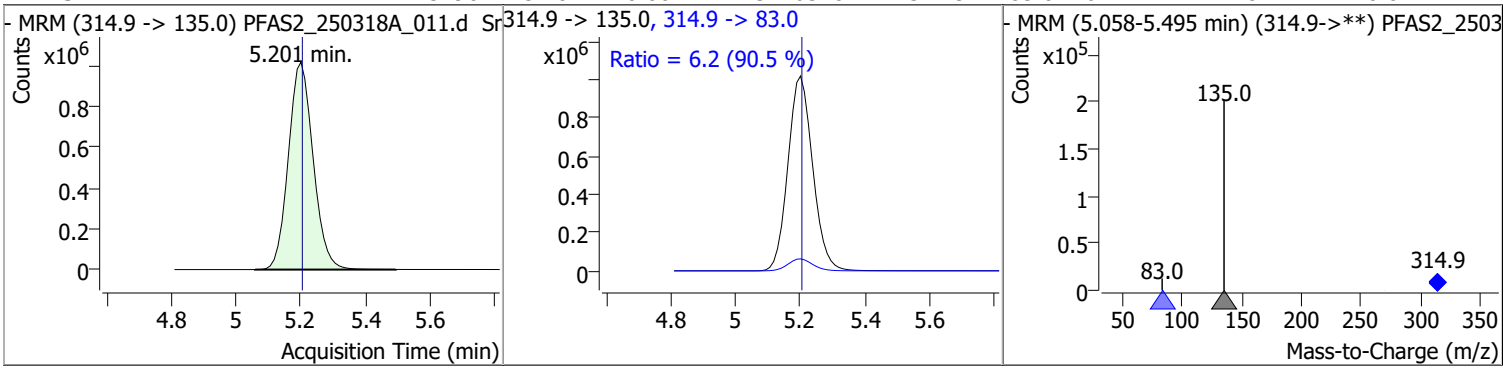
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7212	5.09	0.00	169952	287.0 -> 185.0	39.5	29.4	54.6



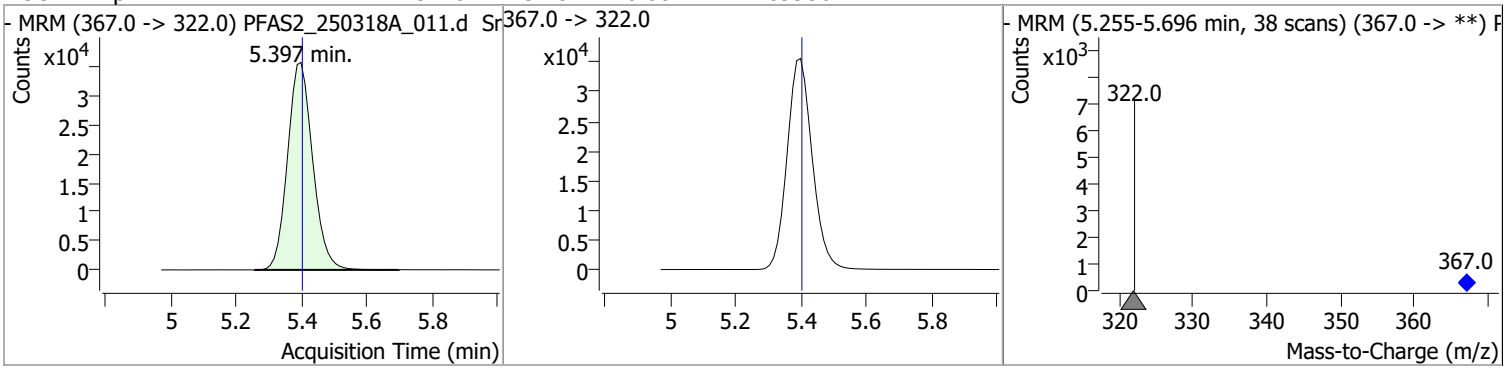
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	84.6317	5.09	0.00	1276109	285.0 -> 185.0	41.5	30.1	56.0



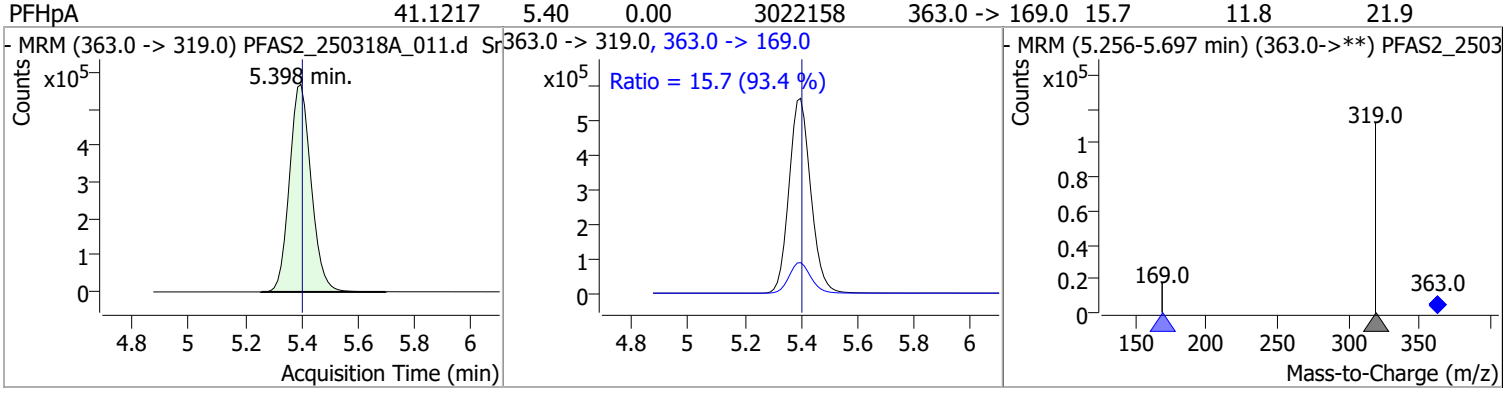
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	72.5190	5.20	0.00	5446528	314.9 -> 83.0	6.2	4.8	8.8



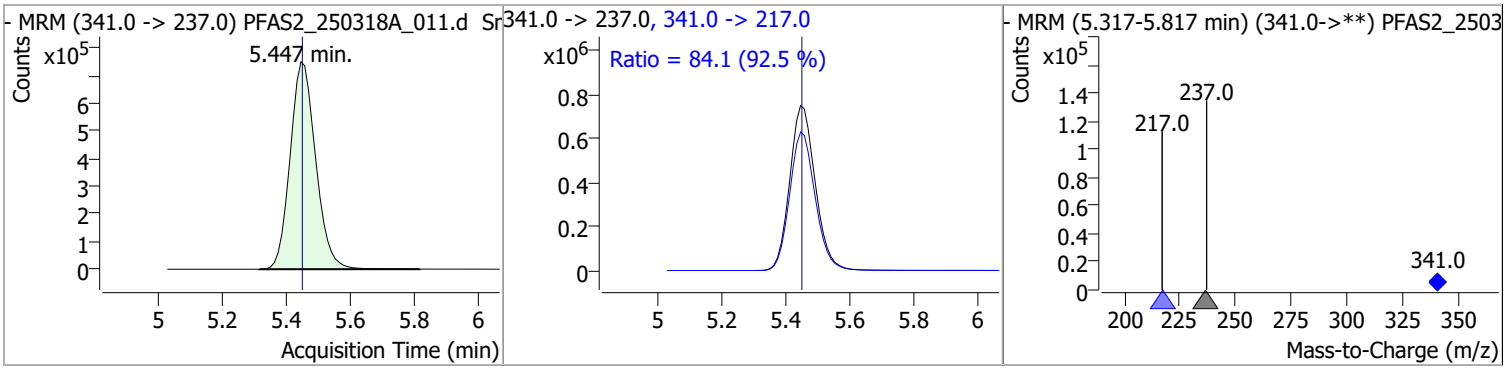
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5140	5.40	0.00	189936				



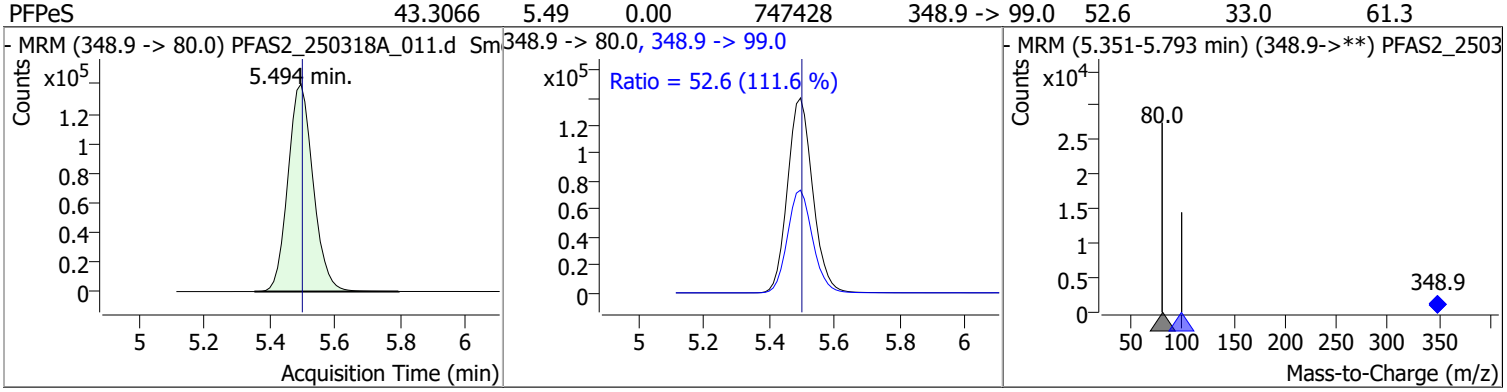
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	41.1217	5.40	0.00	3022158	363.0 -> 169.0	15.7	11.8	21.9



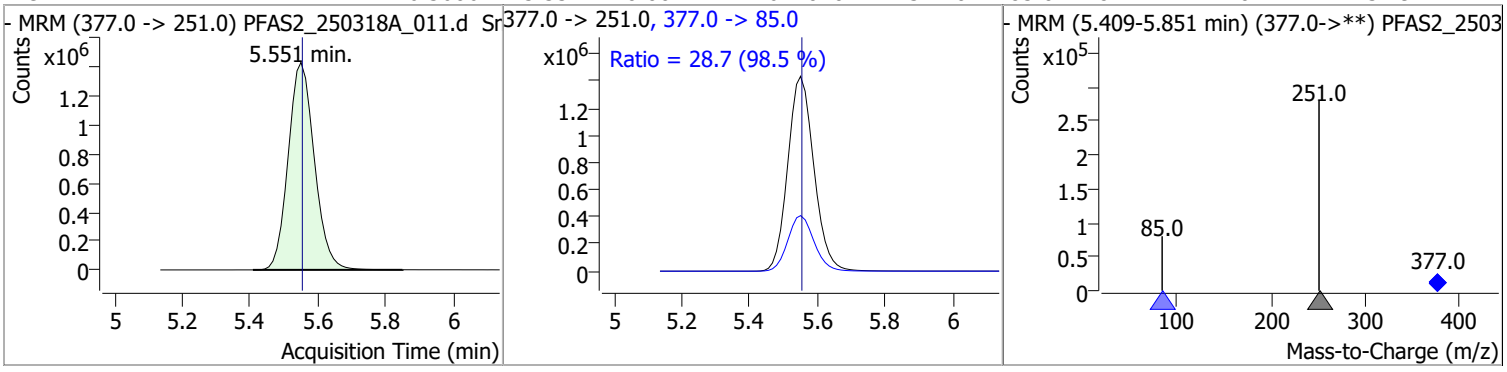
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	808.6187	5.45	0.00	4143979	341.0 -> 217.0	84.1	63.6	118.1



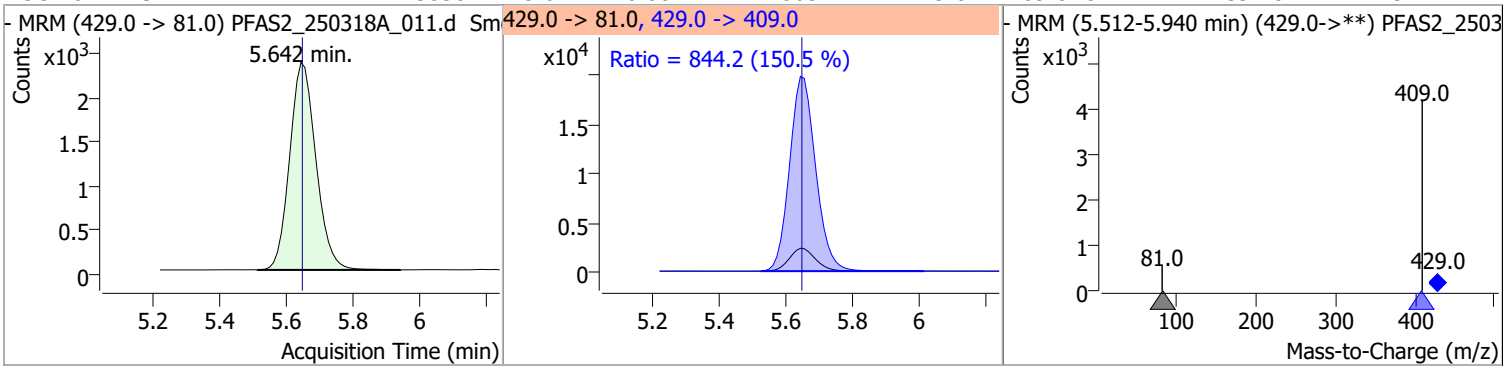
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	43.3066	5.49	0.00	747428	348.9 -> 99.0	52.6	33.0	61.3



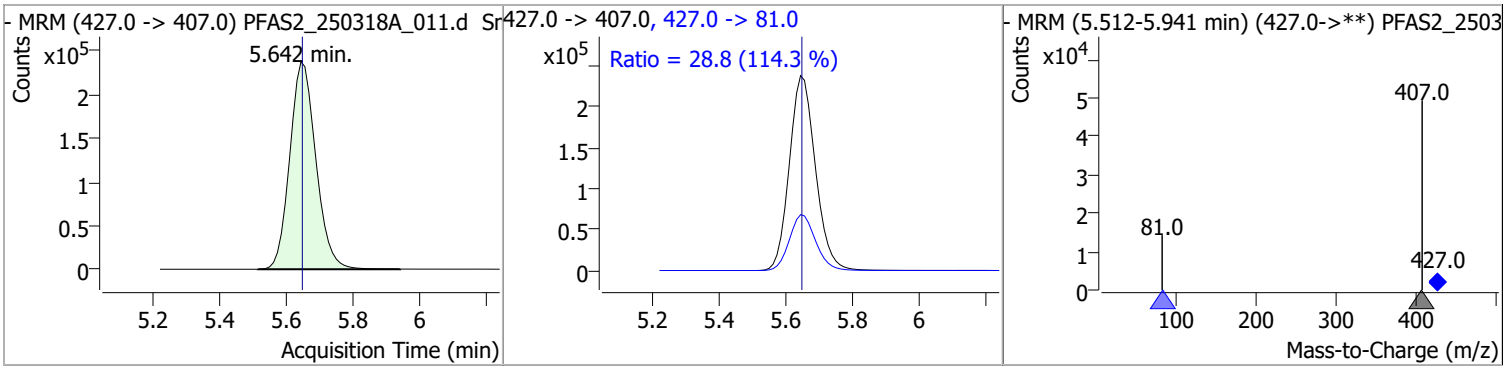
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	76.3606	5.55	0.00	7672020	377.0 -> 85.0	28.7	20.4	37.9



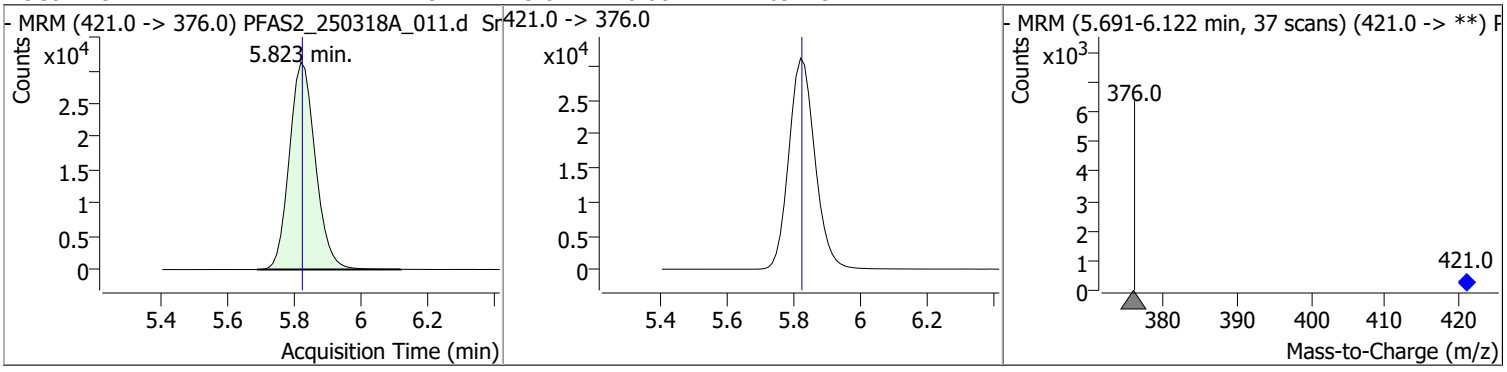
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.3836	5.64	0.00	12865	429.0 -> 409.0	844.2	392.8	729.4



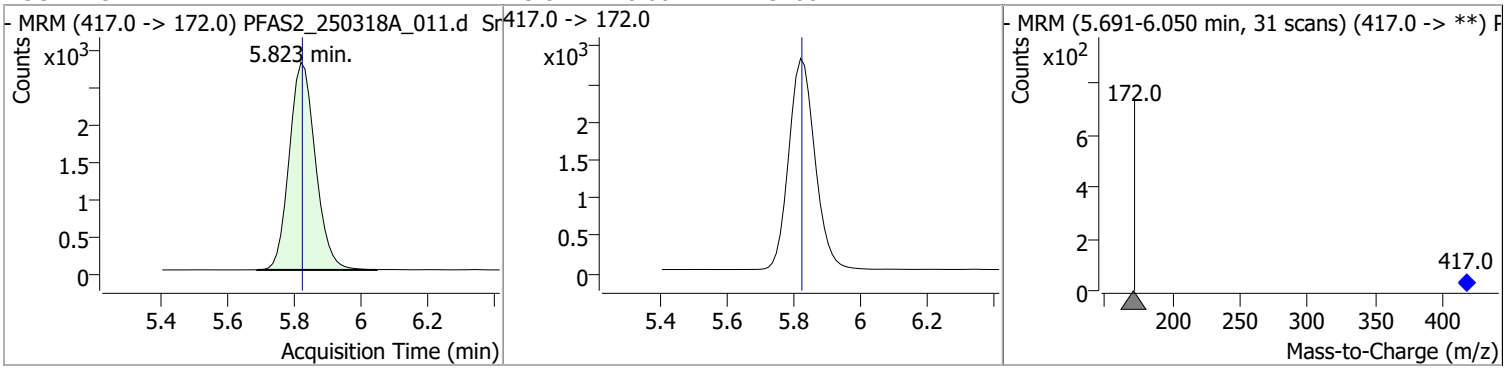
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	158.6675	5.64	0.00	1296203	427.0 -> 81.0	28.8	17.7	32.8



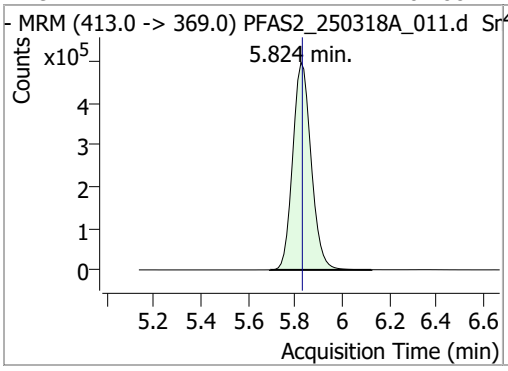
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4947	5.82	0.00	169125				

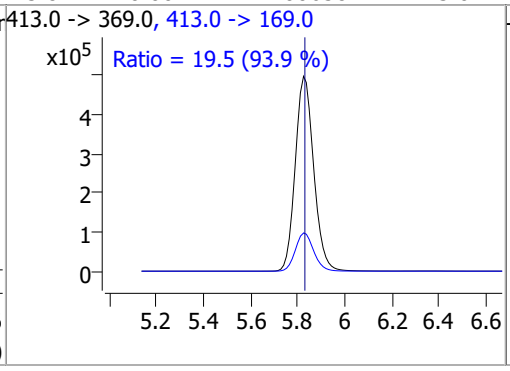


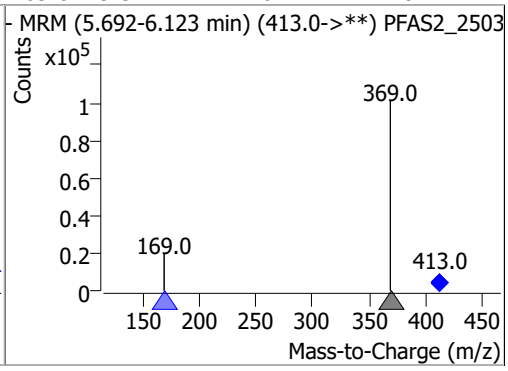
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15160				



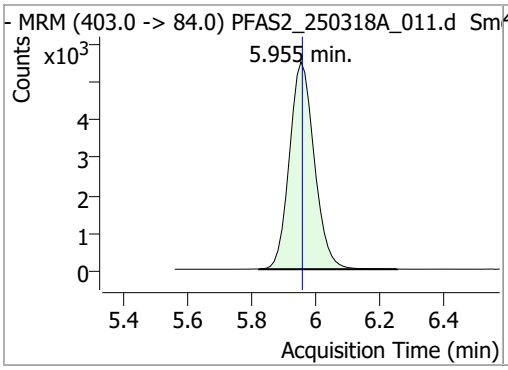
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	40.2881	5.82	0.00	2700658	413.0 -> 169.0	19.5	14.6	27.0

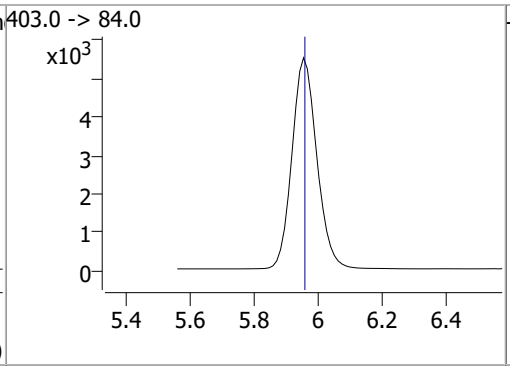


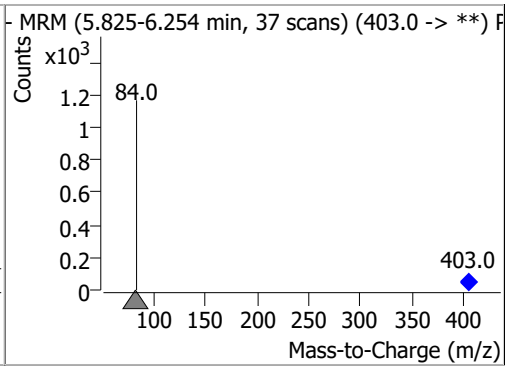




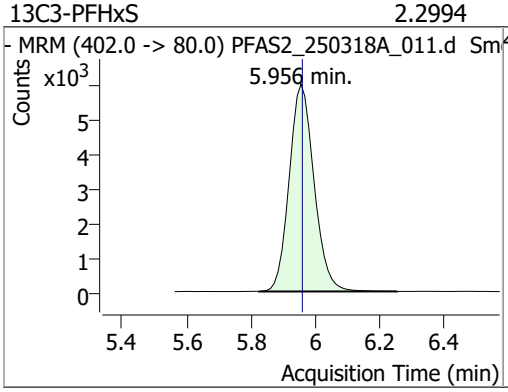
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29472				

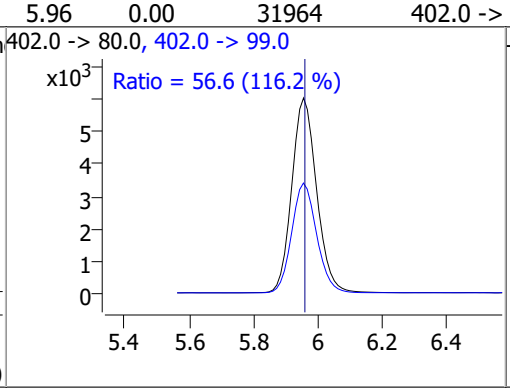


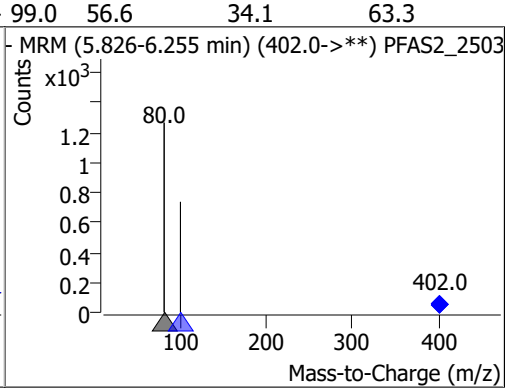




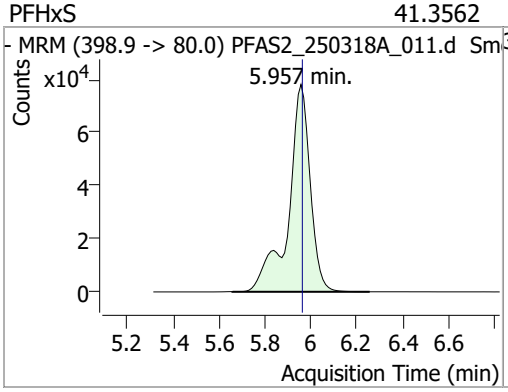
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2994	5.96	0.00	31964	402.0 -> 99.0	56.6	34.1	63.3

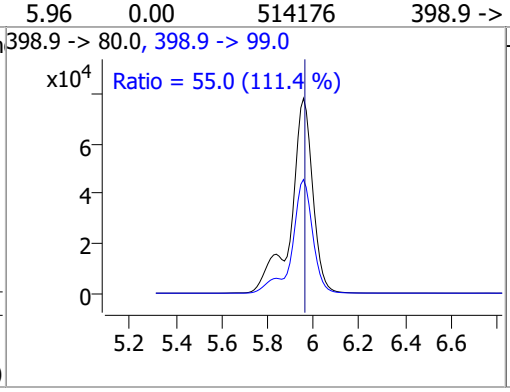


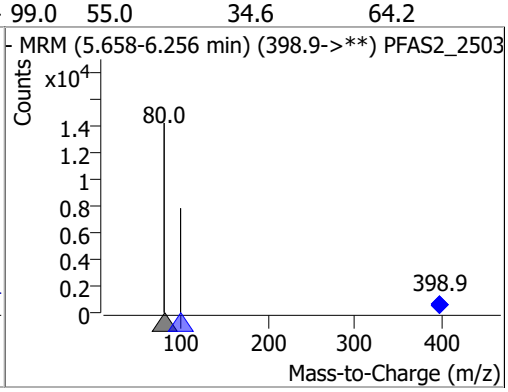




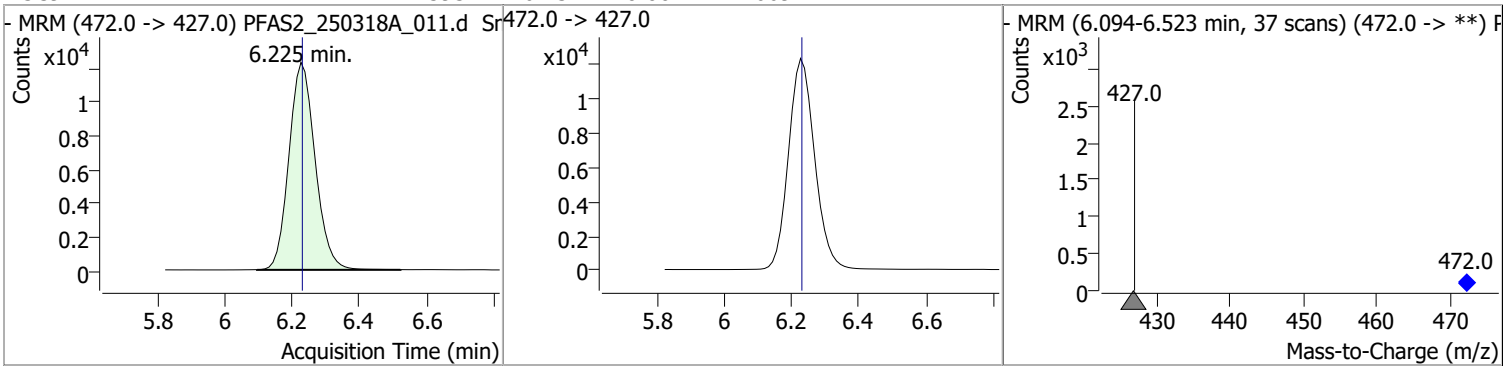
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	41.3562	5.96	0.00	514176	398.9 -> 99.0	55.0	34.6	64.2



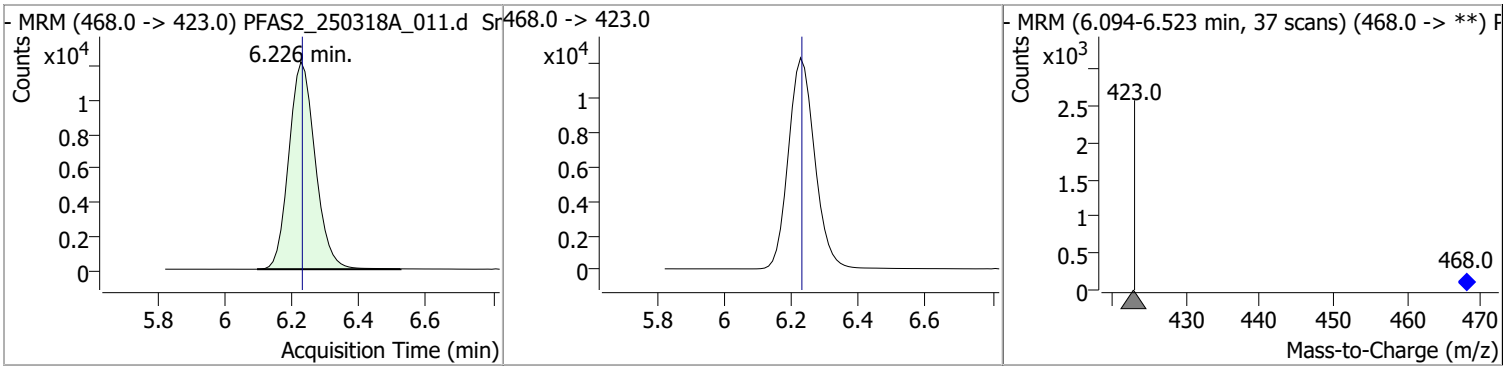




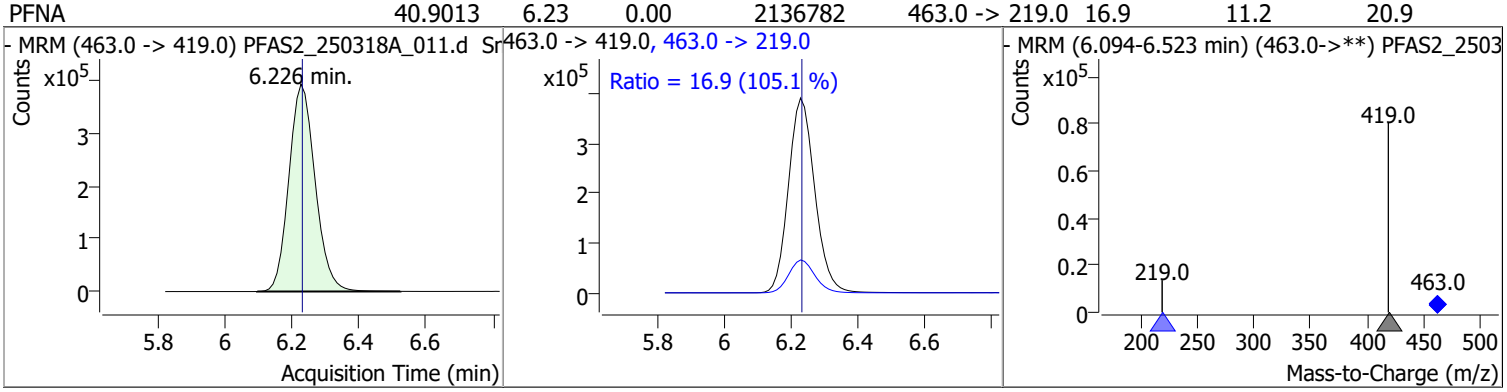
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2593	6.23	0.00	66922				



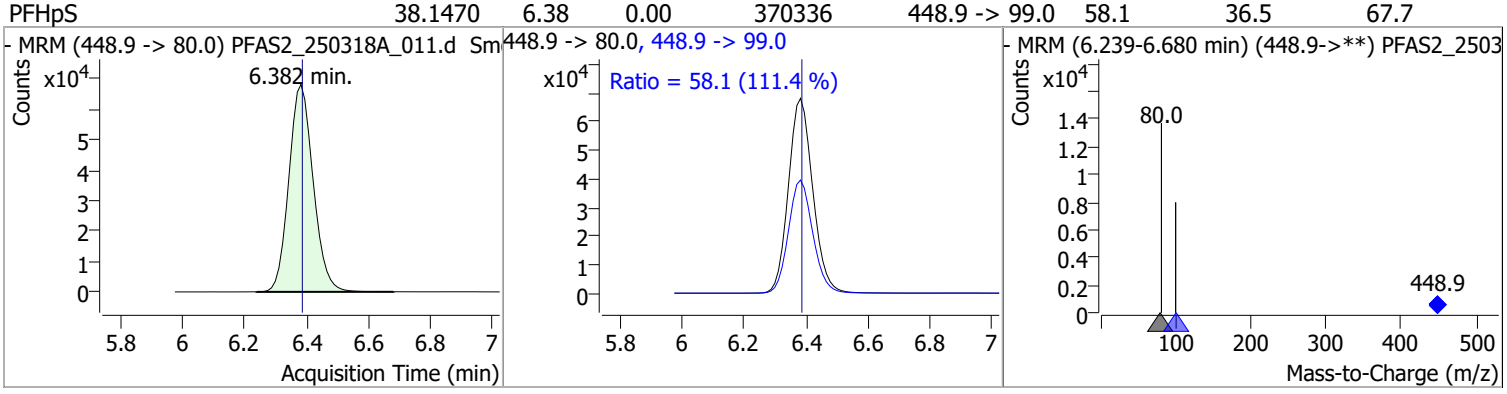
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	67063				



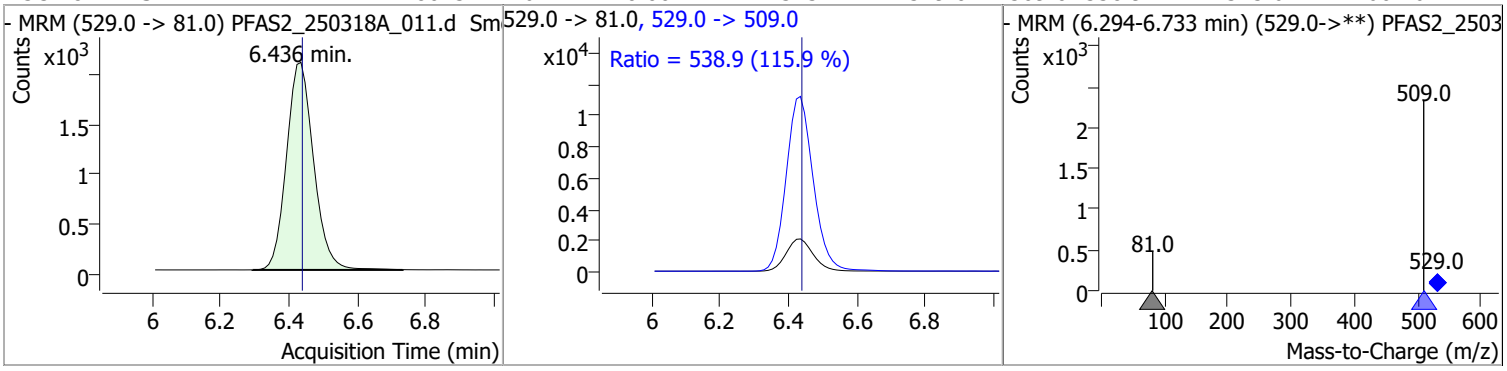
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	40.9013	6.23	0.00	2136782	463.0 -> 219.0	16.9	11.2	20.9



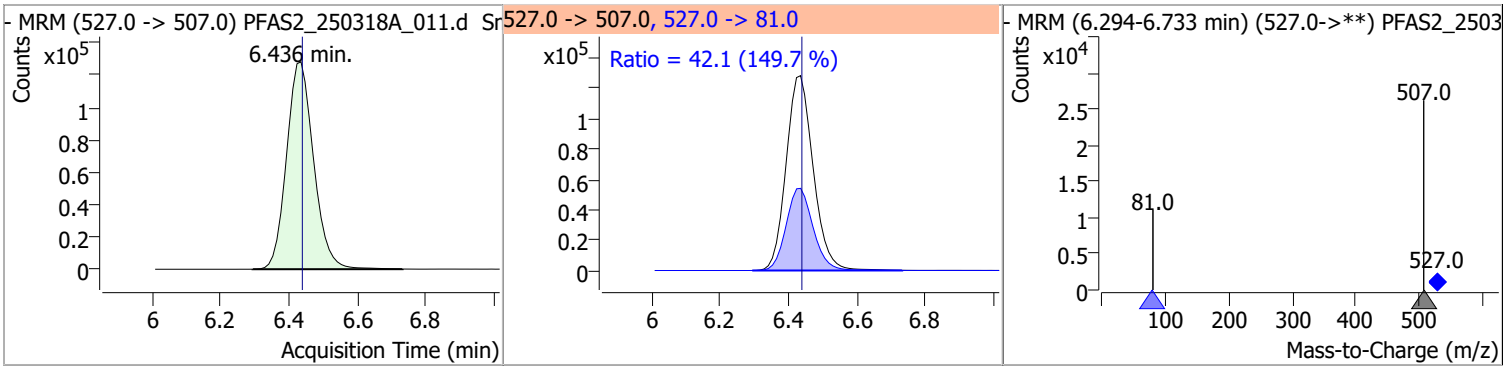
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	38.1470	6.38	0.00	370336	448.9 -> 99.0	58.1	36.5	67.7



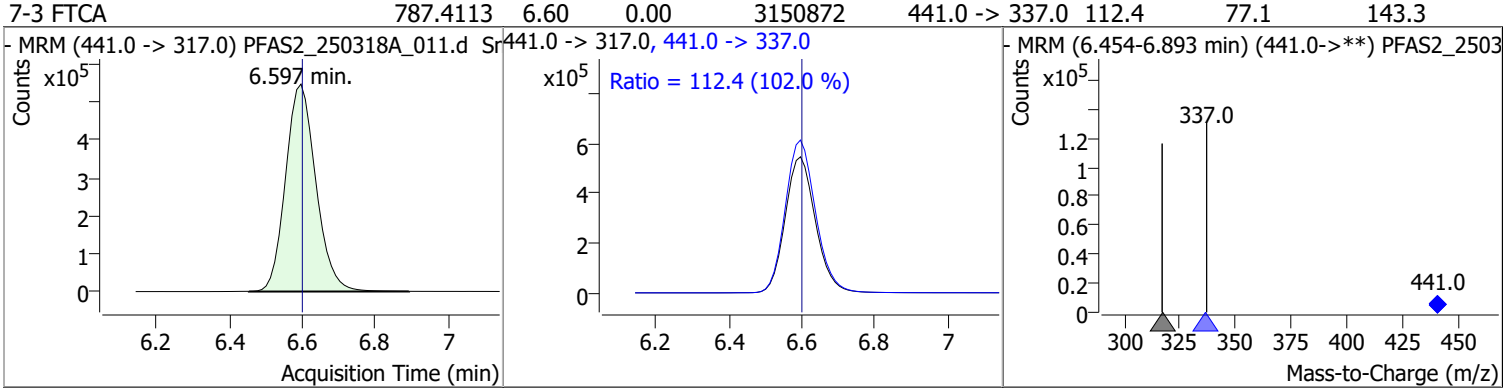
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8073	6.44	0.00	11343	529.0 -> 509.0	538.9	325.6	604.6



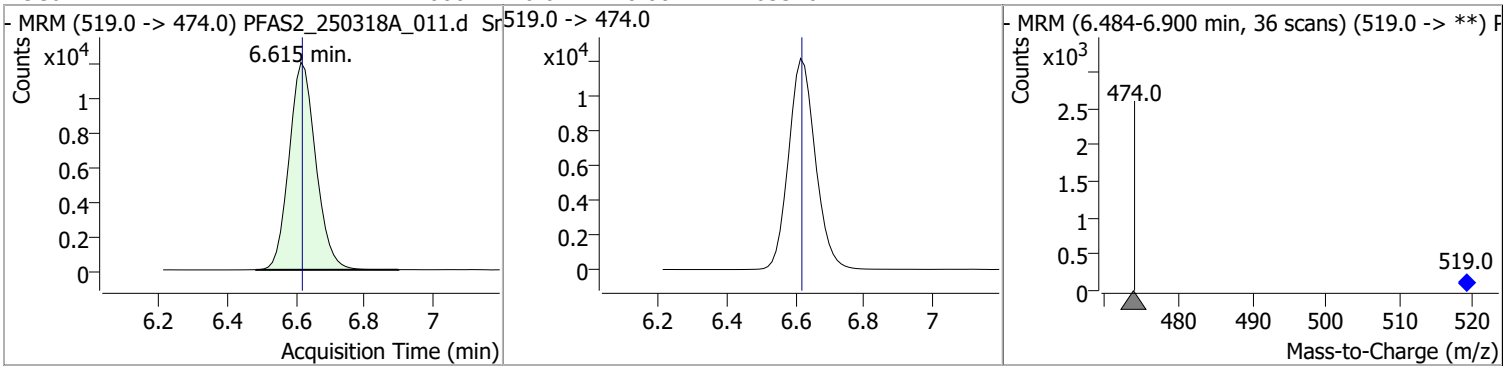
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	157.2676	6.44	0.00	704999	527.0 -> 81.0	42.1	19.7	36.6



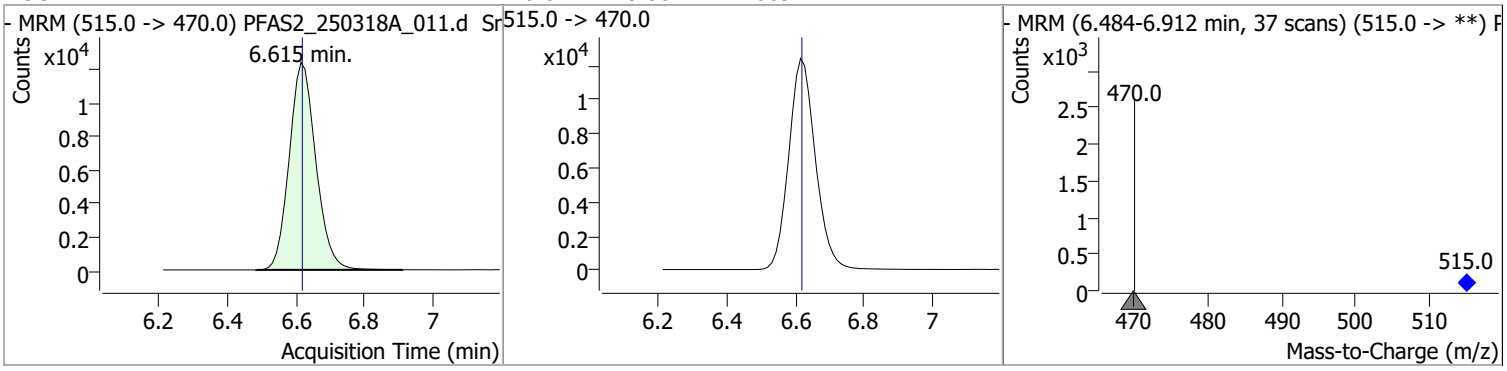
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	787.4113	6.60	0.00	3150872	441.0 -> 337.0	112.4	77.1	143.3



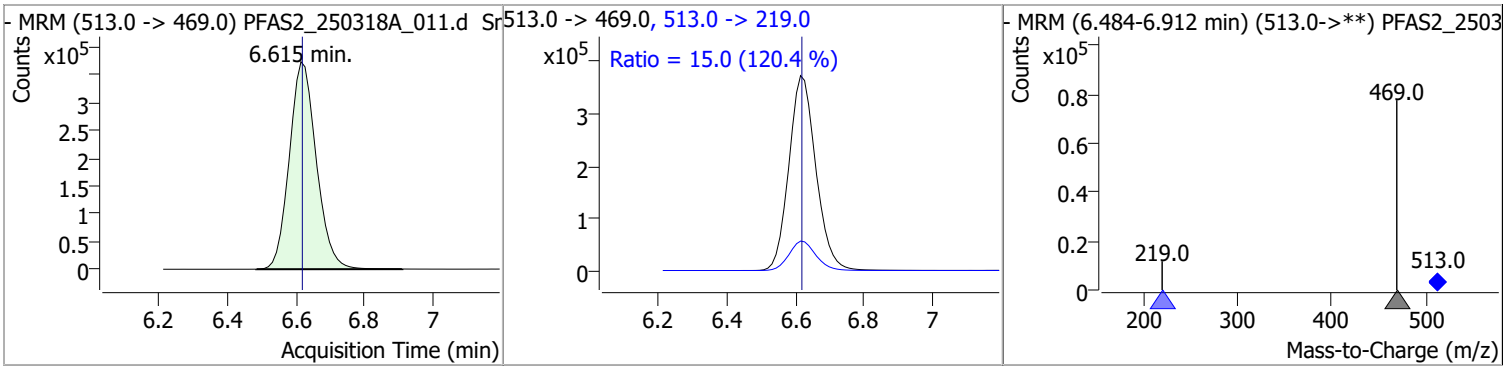
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2000	6.61	0.00	65340				



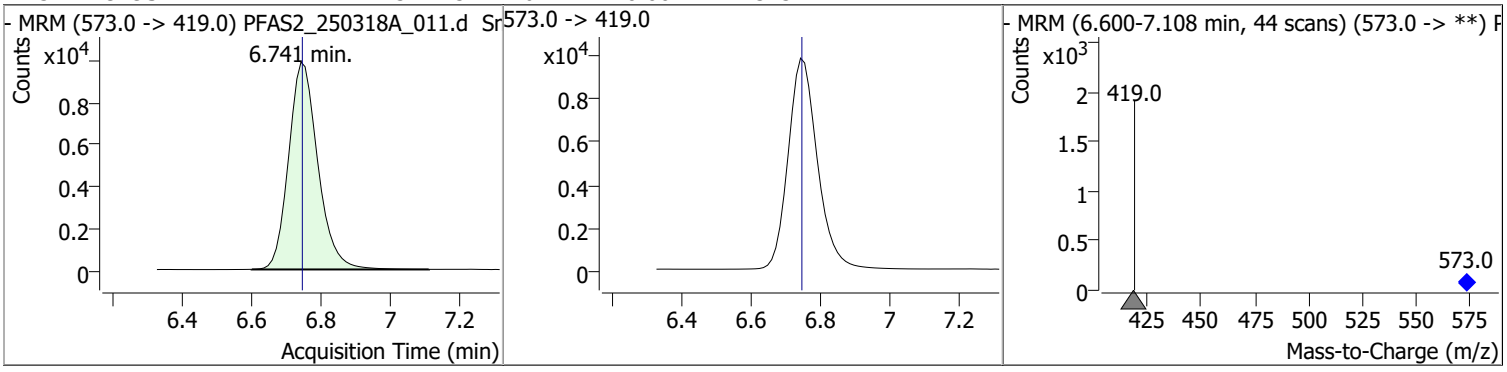
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66912				



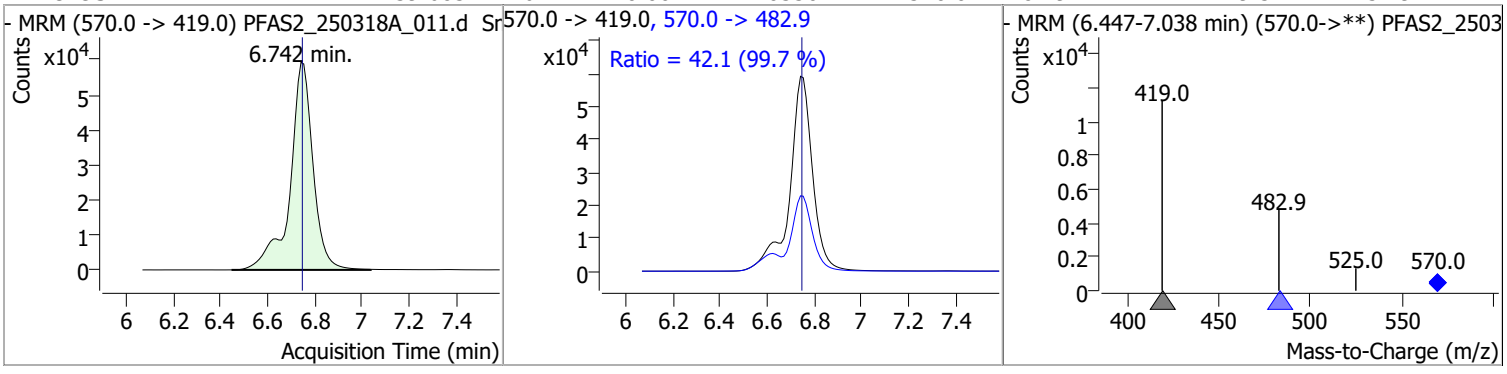
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	40.9154	6.62	0.00	2045915	513.0 -> 219.0	15.0	8.7	16.2



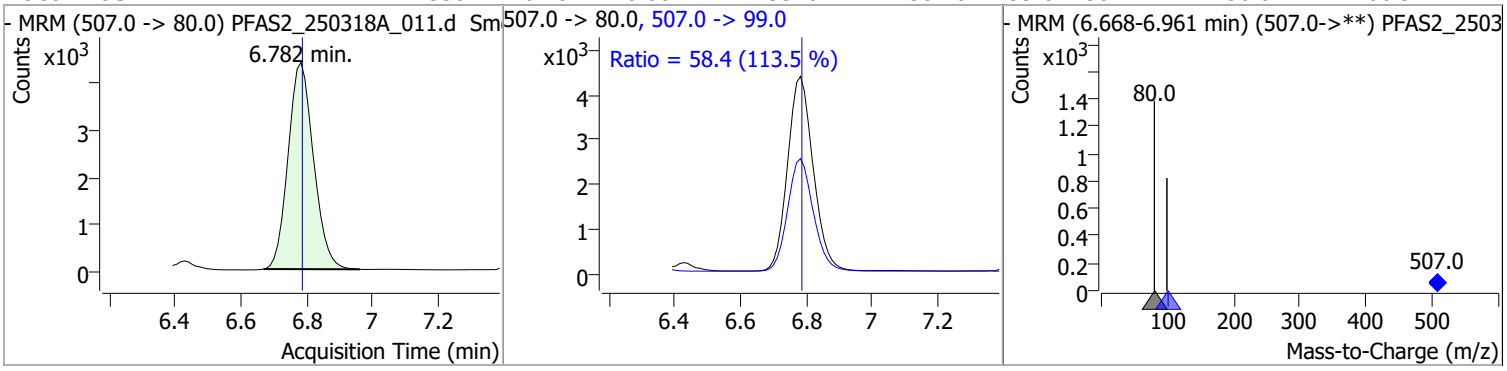
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.4275	6.74	0.00	57544				



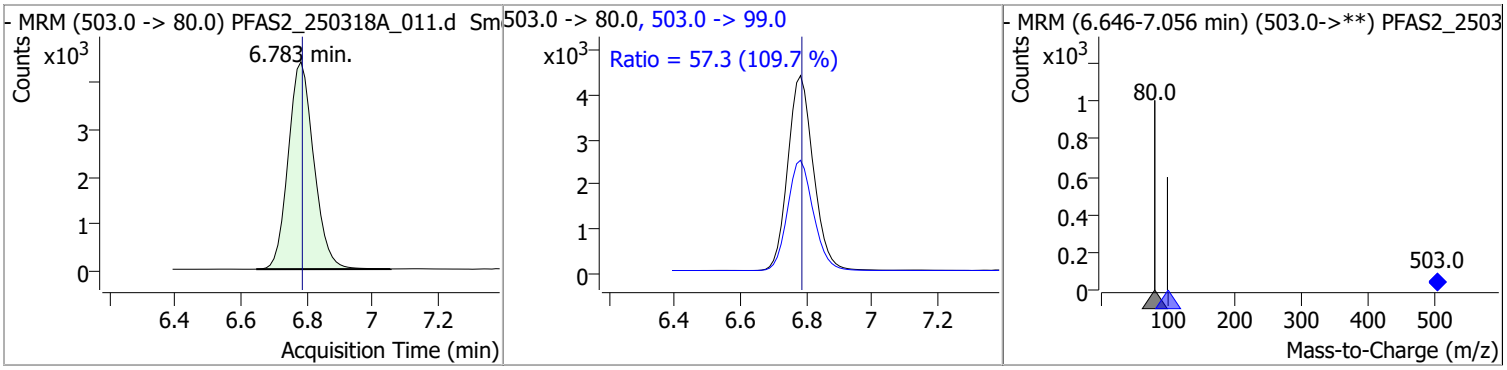
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	39.6831	6.74	0.00	403302	570.0 -> 482.9	42.1	29.5	54.9



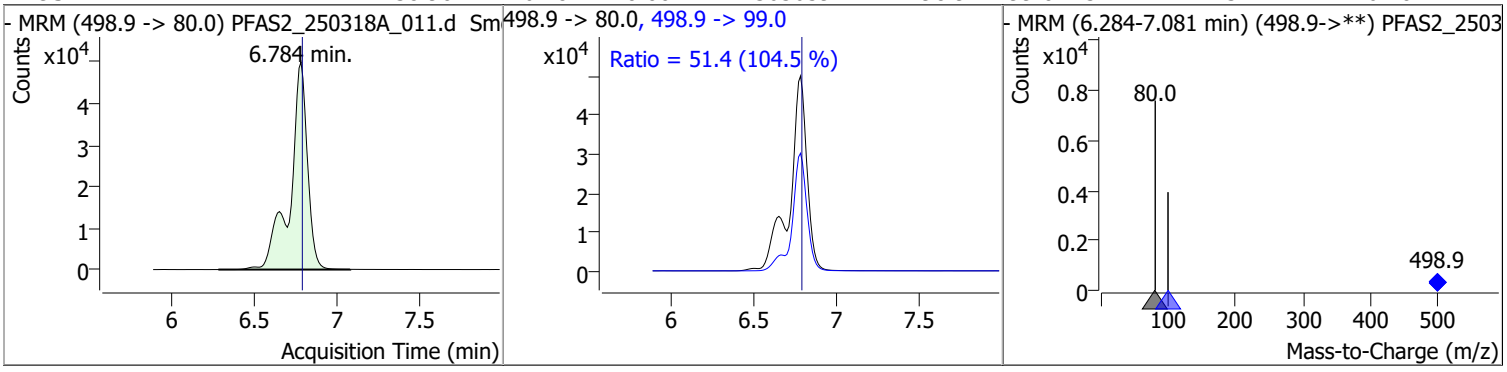
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4338	6.78	0.00	23340	507.0 -> 99.0	58.4	36.0	66.9



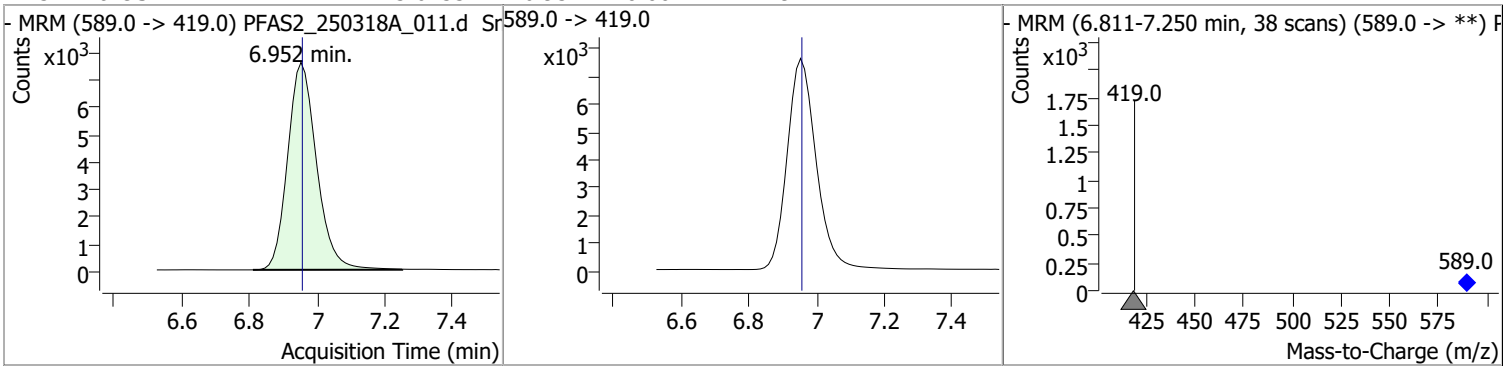
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	23629	503.0 -> 99.0	57.3	36.6	67.9



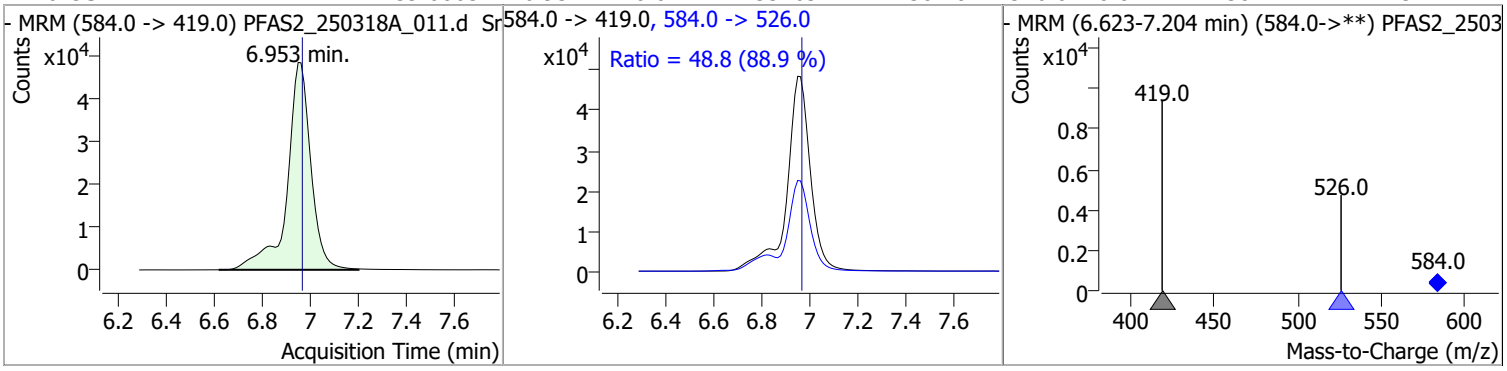
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	38.9041	6.78	0.00	365659	498.9 -> 99.0	51.4	34.4	64.0



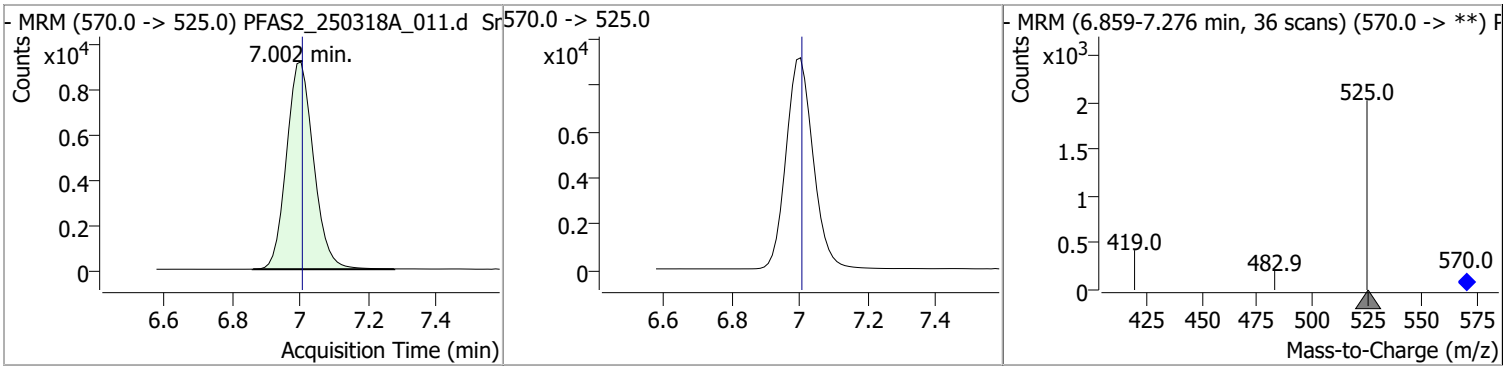
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.6153	6.95	0.00	44947				



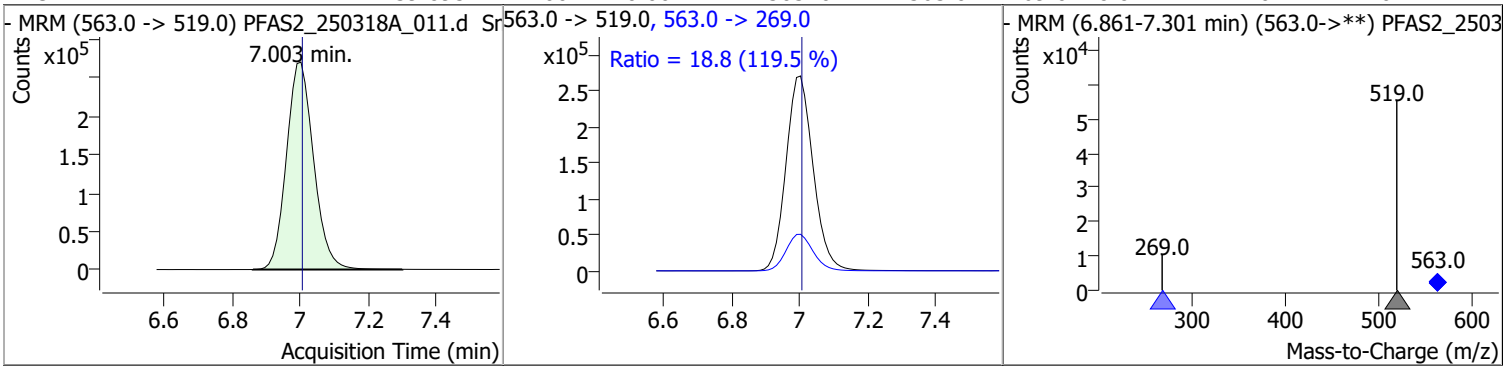
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	39.0063	6.95	-0.01	331691	584.0 -> 526.0	48.8	38.4	71.3



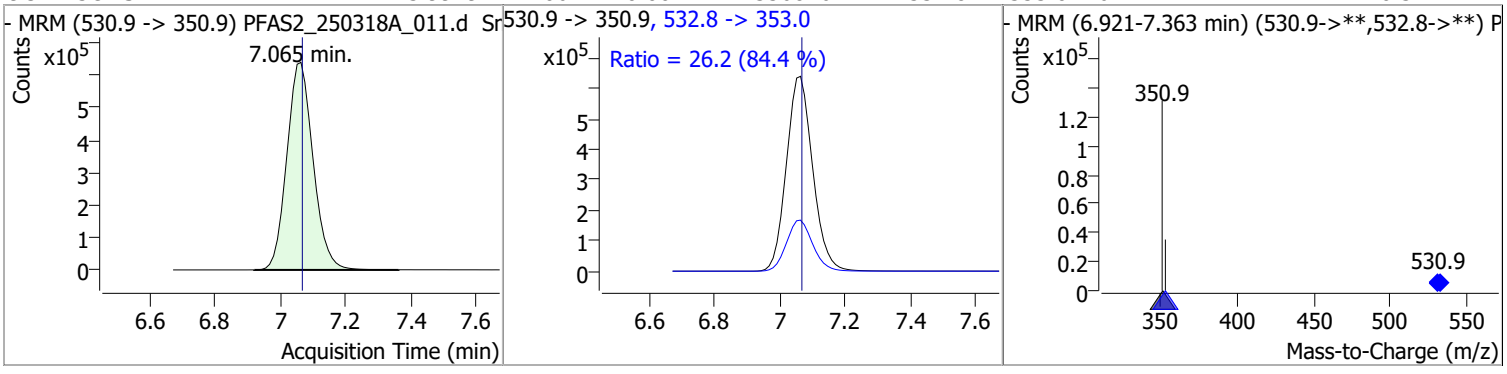
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1793	7.00	0.00	50607				



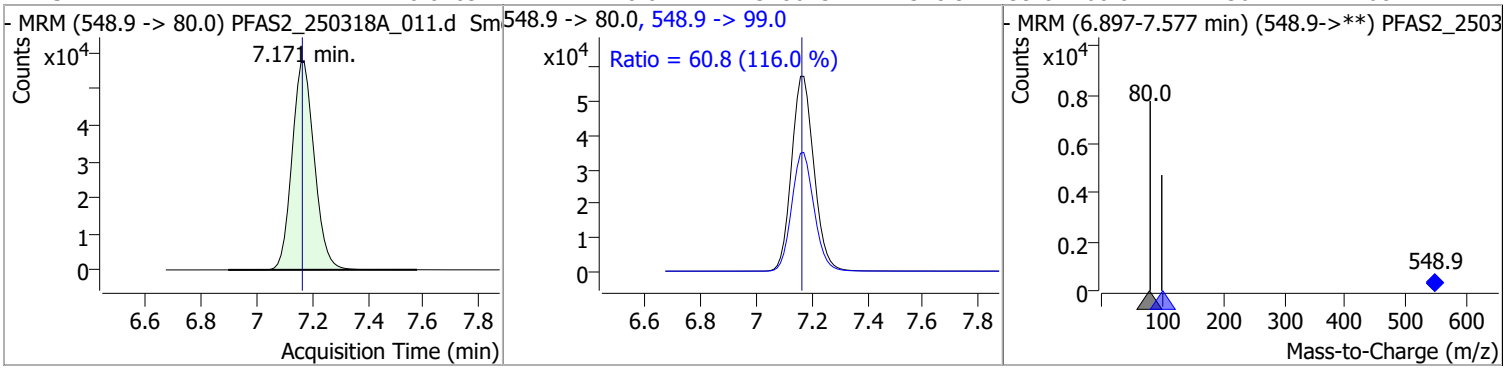
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	39.8954	7.00	0.00	1503402	563.0 -> 269.0	18.8	11.0	20.4



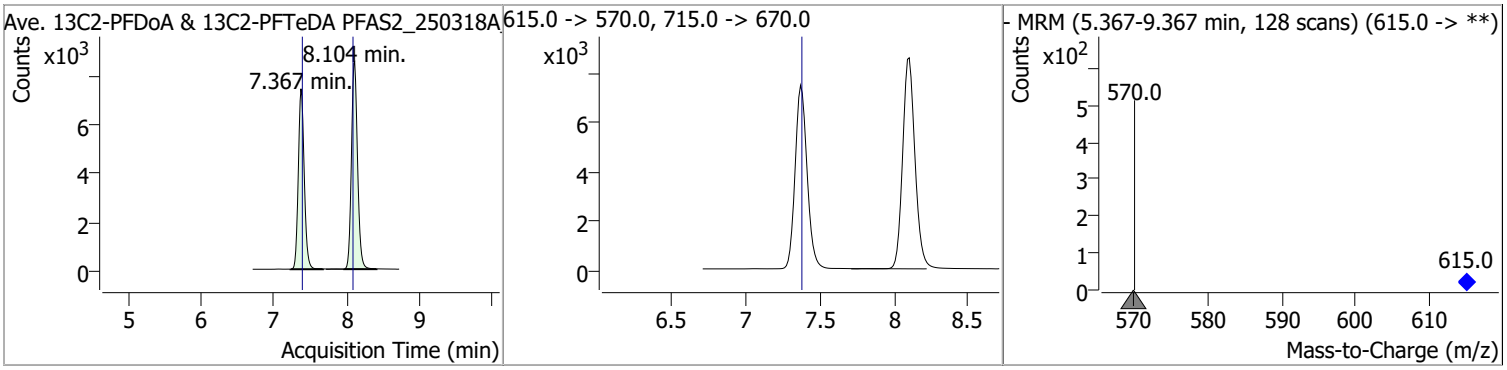
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	73.9919	7.06	0.00	3568467	532.8 -> 353.0	26.2	21.7	40.3



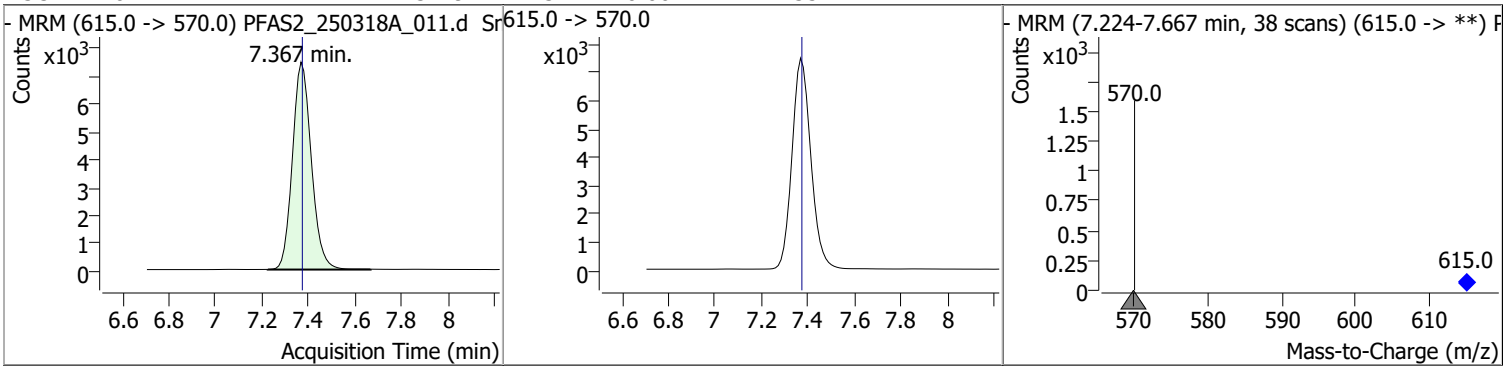
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	40.0209	7.17	0.01	318645	548.9 -> 99.0	60.8	36.7	68.1



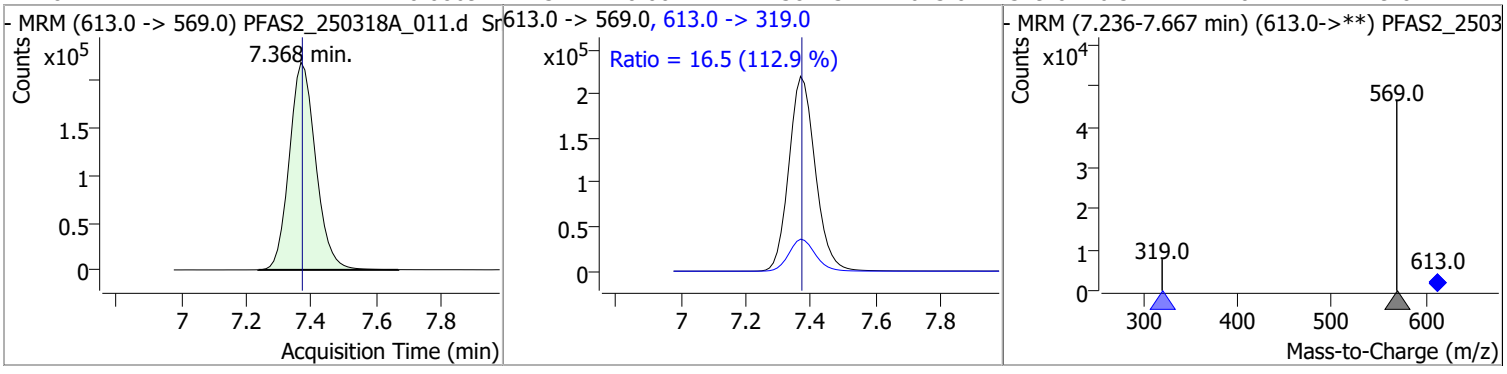
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3022	7.74	0.37	46056				



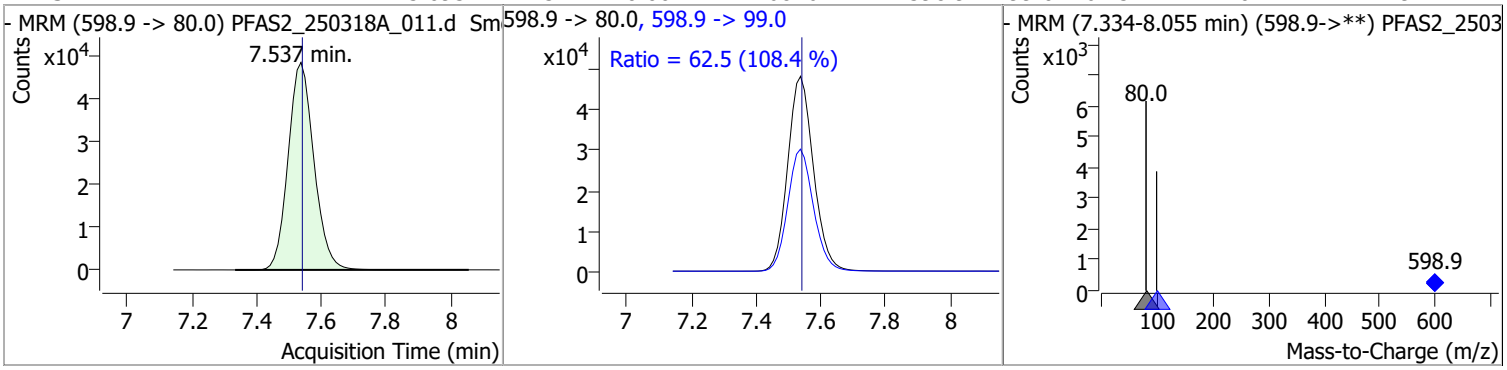
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3179	7.37	0.00	42135				



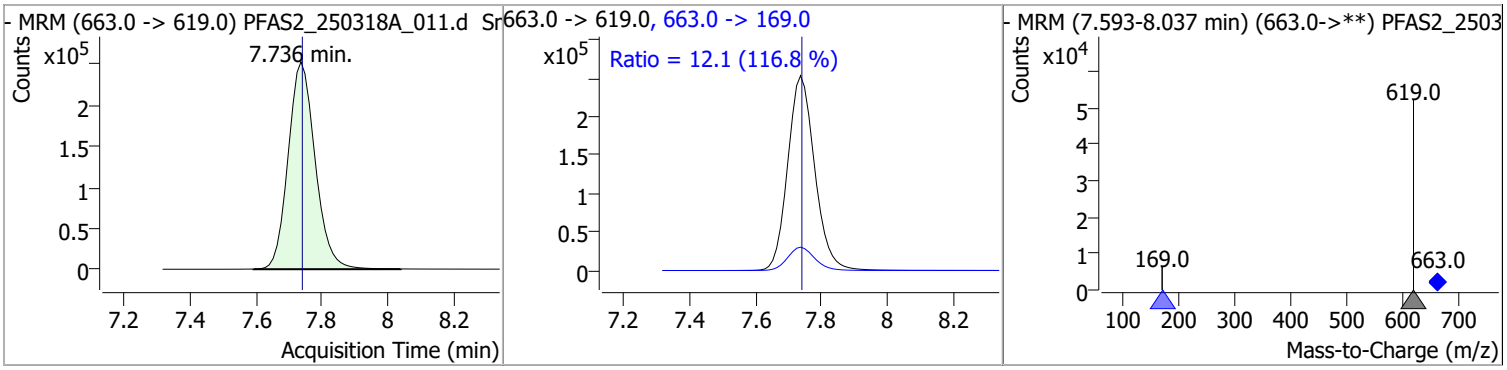
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	40.0869	7.37	0.00	1238213	613.0 -> 319.0	16.5	10.2	19.0



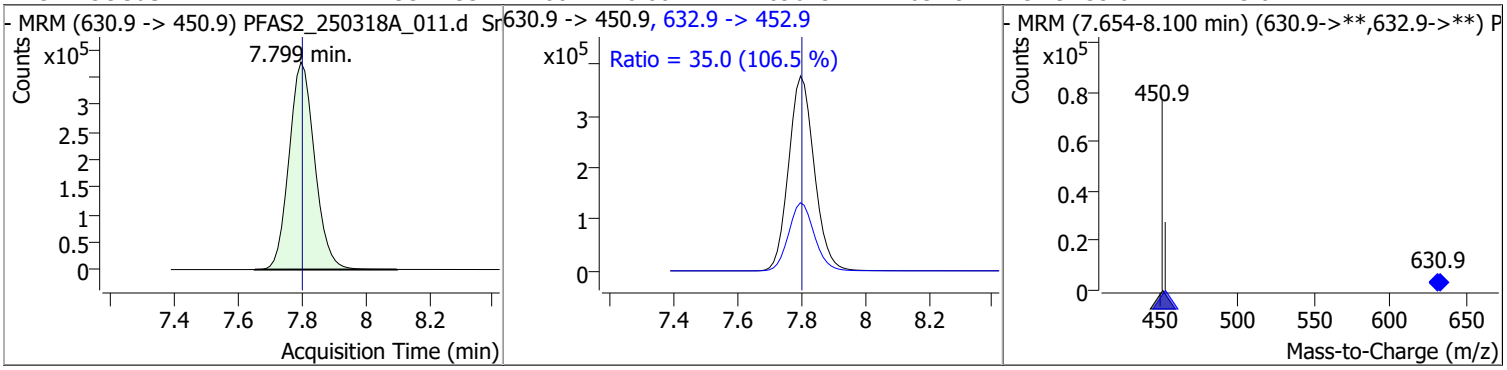
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	45.0932	7.54	0.00	268261	598.9 -> 99.0	62.5	40.4	74.9



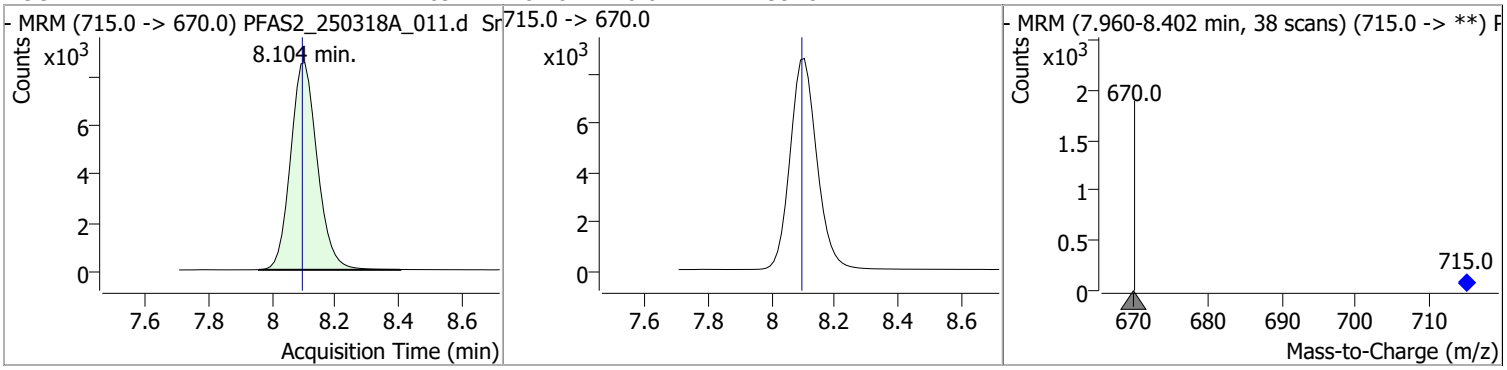
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	41.2234	7.74	0.00	1430537	663.0 -> 169.0	12.1	7.2	13.4



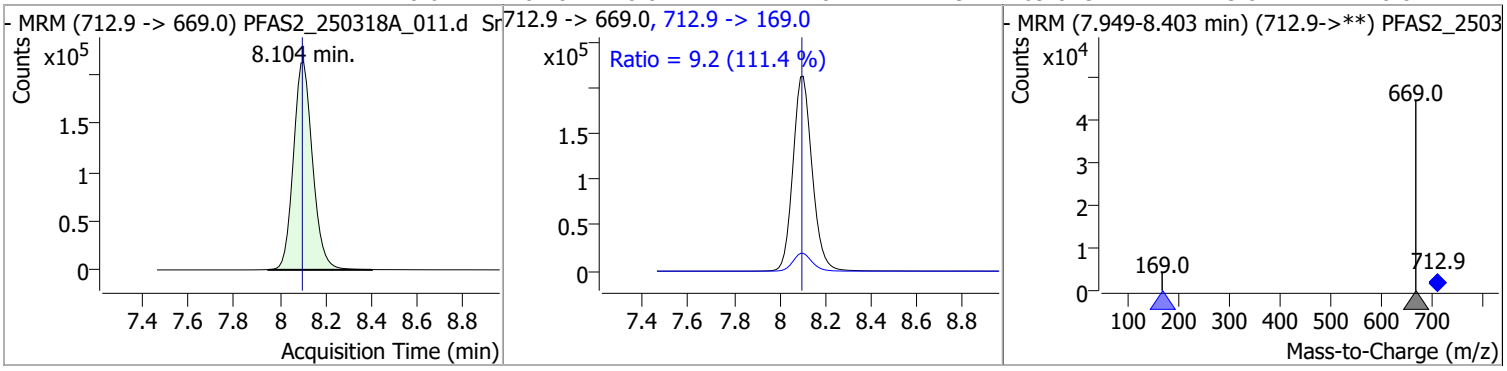
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	93.1153	7.80	0.00	2096137	632.9 -> 452.9	35.0	23.0	42.7



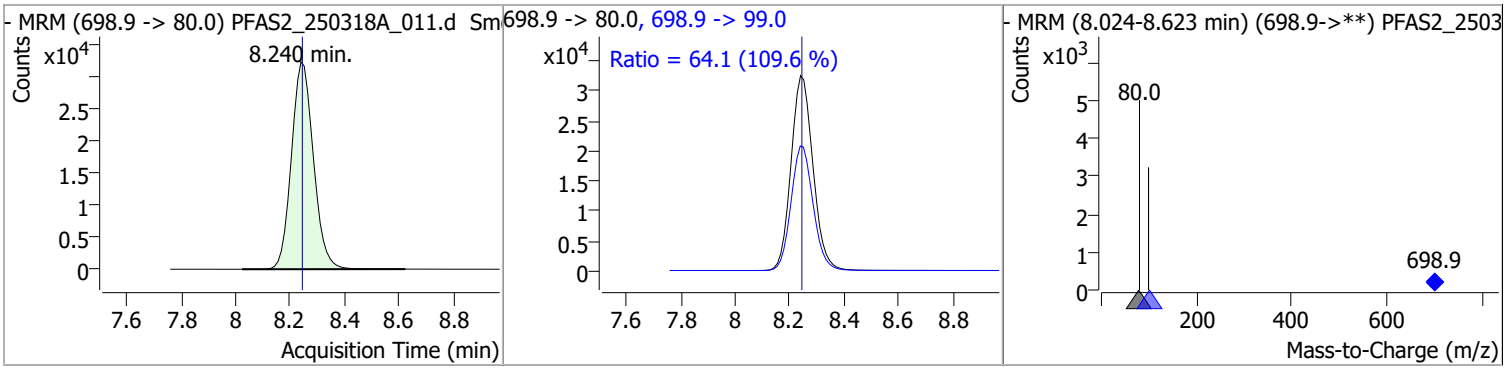
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2892	8.10	0.01	49978				



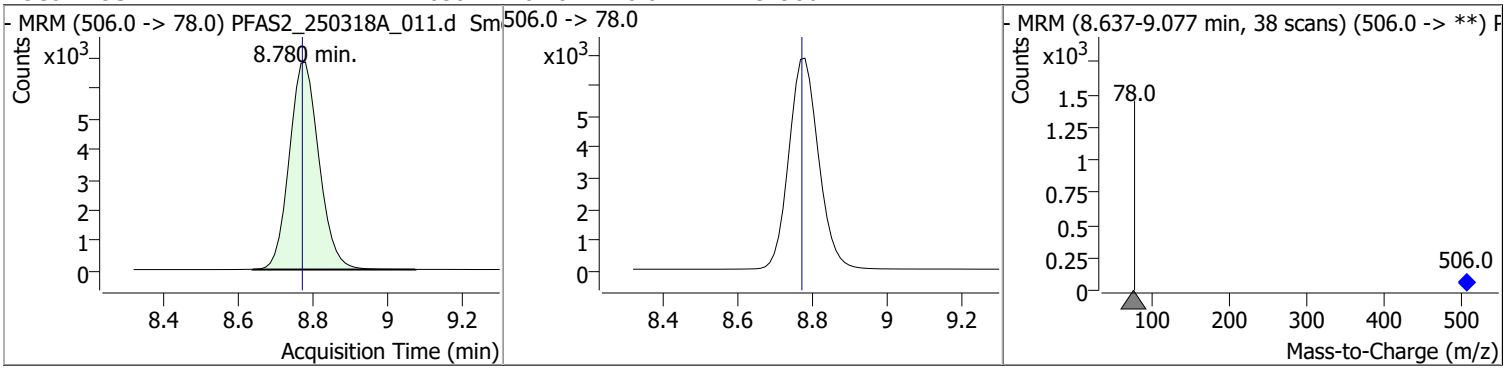
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	40.6214	8.10	0.01	1242704	712.9 -> 169.0	9.2	5.8	10.8



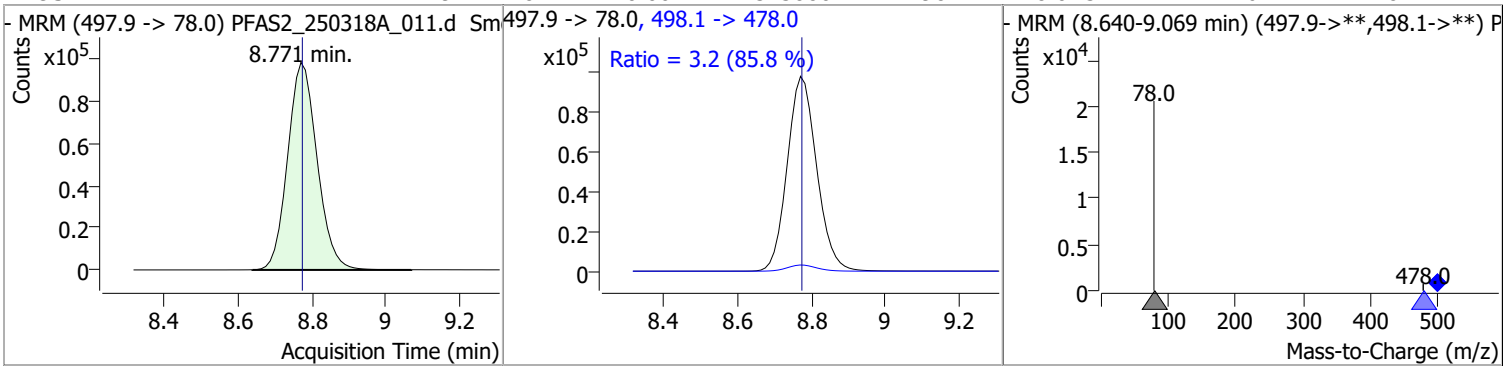
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	43.6535	8.24	0.00	181596	698.9 -> 99.0	64.1	41.0	76.1



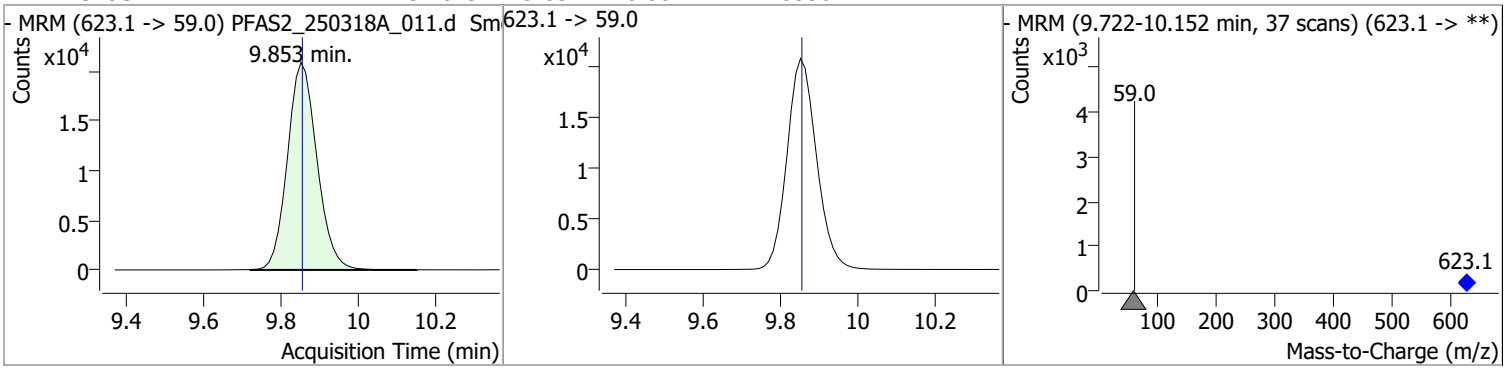
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.7030	8.78	0.01	37986				



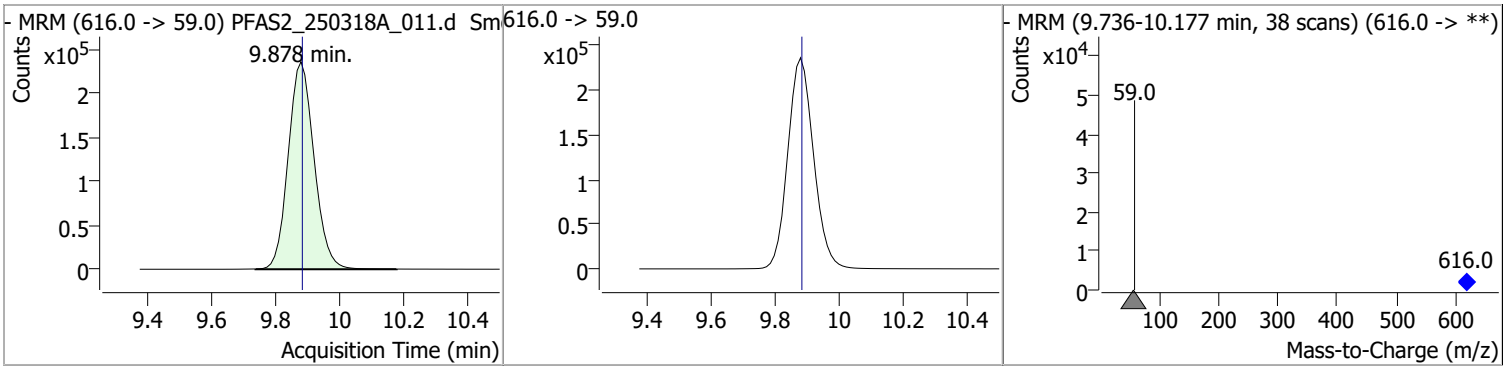
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	41.1977	8.77	0.00	543880	498.1 -> 478.0	3.2	2.6	4.8



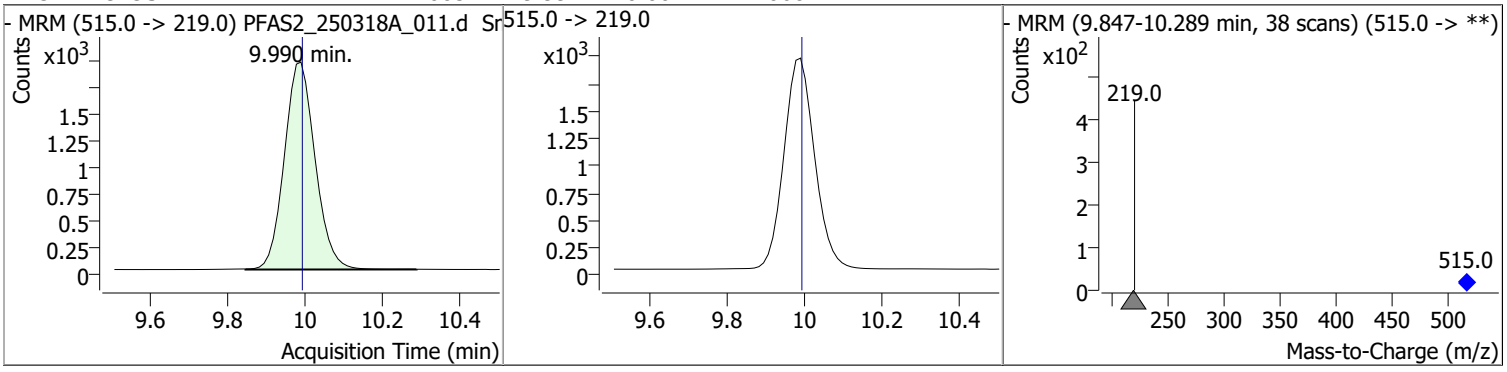
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.2079	9.85	0.00	110558				



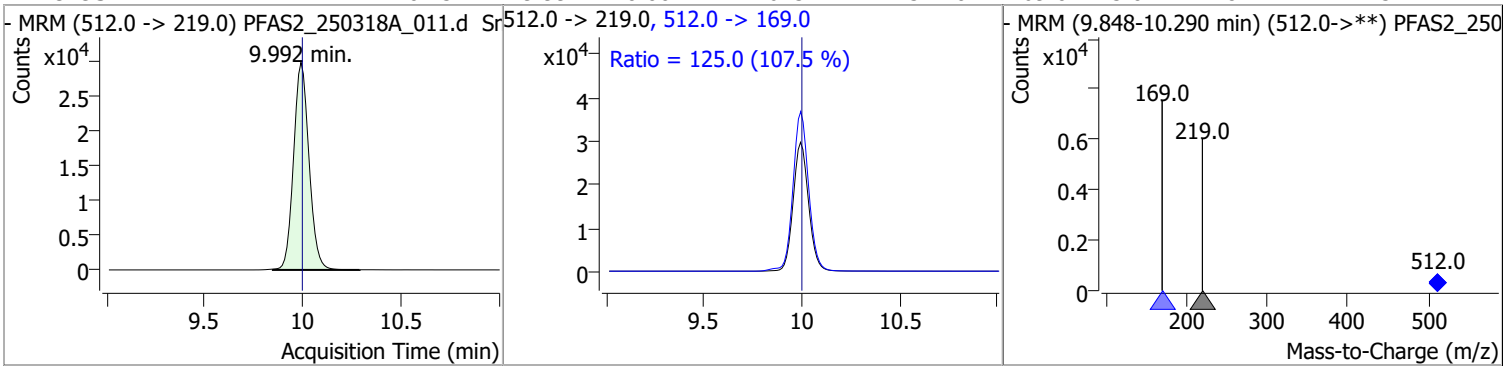
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	407.5516	9.88	0.00	1318917				



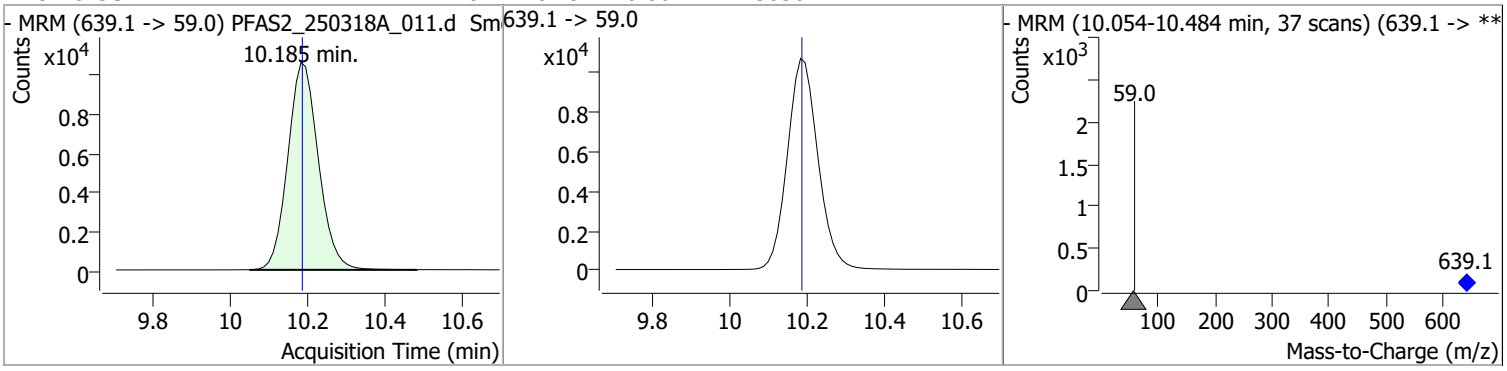
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7085	9.99	0.00	10682				



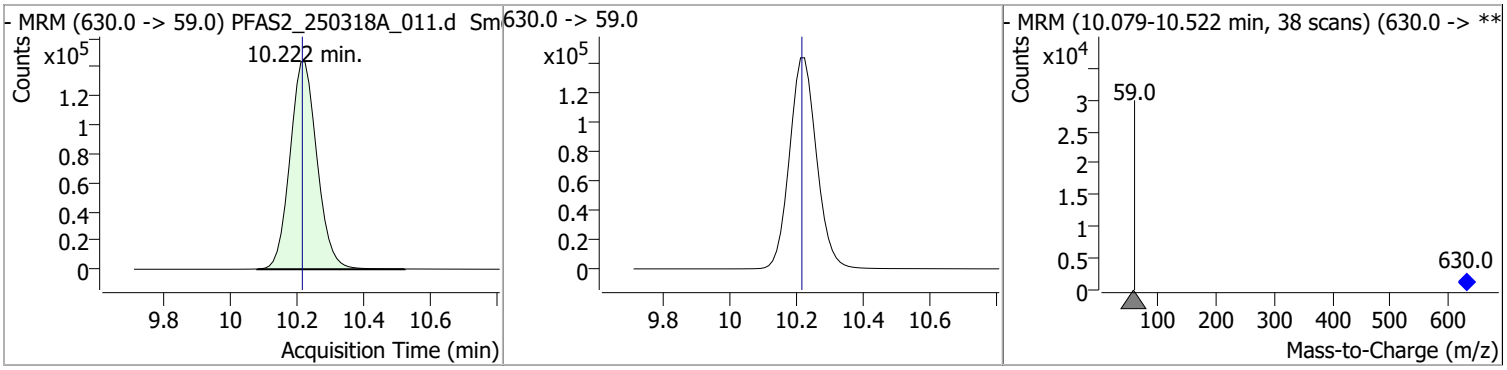
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	40.4527	9.99	0.00	162527	512.0 -> 169.0	125.0	81.4	151.2



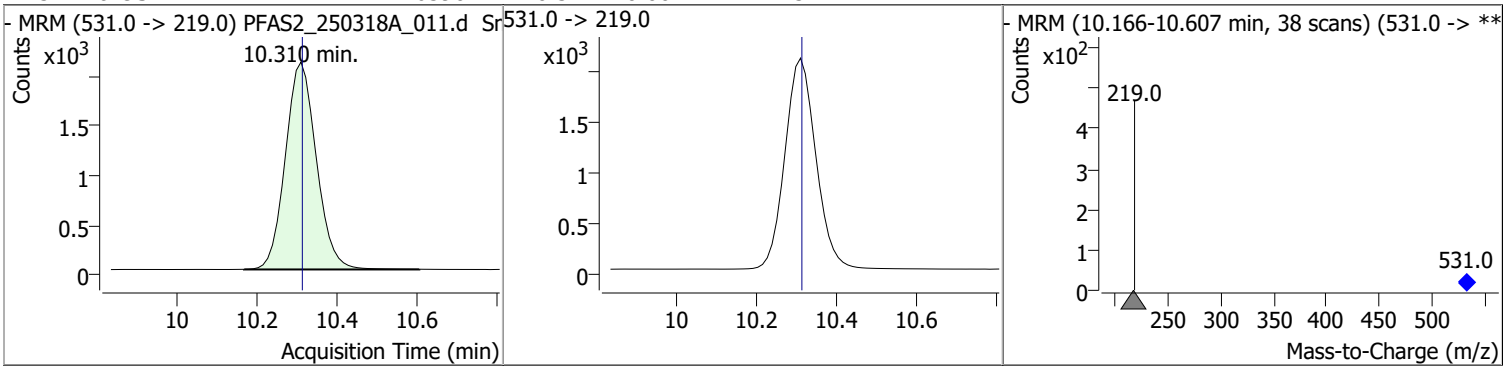
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2118	10.19	0.00	58367				



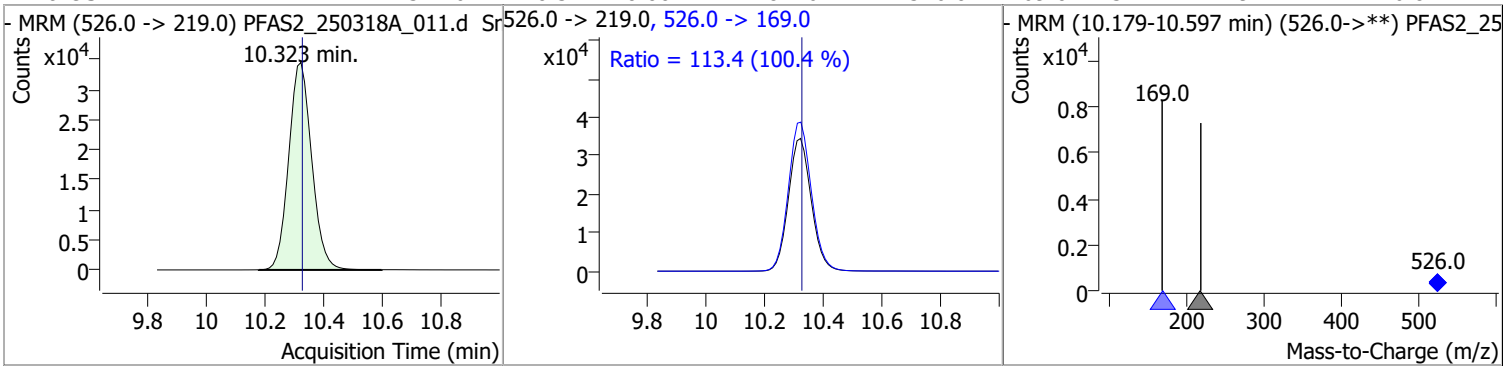
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	407.8099	10.22	0.01	812765				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.6390	10.31	0.00	11254				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	43.1161	10.32	0.00	187162	526.0 -> 169.0	113.4	79.1	146.8



INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
PFBA	A	40.0	38.9	26766.18	27872.825	97	70	130
PFPeA	A	20.0	19.2	37903.45	38155.705	96	70	130
PFHxA	A	10.0	9.89	60661.9	61074.02	99	70	130
PFHpA	A	10.0	9.70	71593.83	72117.86	97	70	130
PFOA	A	10.0	9.83	66180.62	68452.46	98	70	130
PFNA	A	10.0	9.53	54656.62	55571.76	95	70	130
PFDA	A	10.0	9.83	50630.36	51607.33	98	70	130
PFUnA	A	10.0	9.64	39433.98	39464.16	96	70	130
PFDoA	A	10.0	9.91	29703.53	31077.98	99	70	130
PFTrDA	A	10.0	10.3	33790.23	37172.3	103	70	130
PFTeDA	A	10.0	10.2	29396.67	32775.45	102	70	130
PFBS	A	8.85	8.71	25401.95	6597.720519516	98	70	130
PFPeS	A	9.40	9.97	19811.42	0819.755319148	106	70	130
PFHxS	A	9.15	9.44	14053.58	4583.757968988	103	70	130
PFHpS	A	9.55	9.28	10414.48	0587.802155790	97	70	130
PFOS	A	9.30	8.76	9848.864	909.1096774193	94	70	130
PFNS	A	9.60	10.0	8805.753	355.5208333333	105	70	130
PFDS	A	9.65	10.5	6796.217	294.9215238423	109	70	130
PFDoS	A	9.70	10.3	4545.478	956.3912416091	106	70	130
4:2FTS	A	37.5	36.8	15063.71	5124.117333333	98	70	130
6:2FTS	A	38.0	39.6	9796.525	0846.118421052	104	70	130
8:2FTS	A	38.4	40.8	5051.267	5598.21875	106	70	130
PFOSA	A	10.0	9.78	12885.65	13178.31	98	70	130
NMeFOSA	A	10.0	9.80	3893.716	4090.857	98	70	130
NEtFOSA	A	10.0	10.3	4510.188	4653.511	103	70	130
NMeFOSAA	A	10.0	9.58	9791.619	9988.459	96	70	130
NEtFOSAA	A	10.0	9.58	7886.28	8406.853	96	70	130
NMeFOSE	A	100	102	3763.518	3960.067	102	70	130
NEtFOSE	A	100	102	2237.872	2338.114	102	70	130
HFPO-DA	A	20.0	21.2	16184.64	16964.52	106	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
ADONA	A	18.9	18.1	99921.64	01798.20105820	**96**	70	130
9CL-PF3ONS	A	18.7	19.1	51432.26	6635.080213903	**102**	70	130
11CL-PF3OUdS	A	18.9	23.5	25196.13	9639.338624338	**124**	70	130
3:3FTCA	A	40.0	38.8	725.848	712.01975	**97**	70	130
5:3FTCA	A	200	195	4796.349	4755.1965	**97**	70	130
7:3FTCA	A	200	200	3672.526	3722.1895	**100**	70	130
PFEESA	A	17.8	17.8	79876.08	5225.224719101	**100**	70	130
PFMPA	A	20.0	19.1	19468.96	19788.66	**96**	70	130
PFMBA	A	20.0	19.0	28623.42	28655.875	**95**	70	130
NFDHA	A	20.0	19.7	1270.984	1250.5485	**98**	70	130
13C4-PFBA	A	10.0	9.97	1.13623	.1331337886312	**100**	70	130
13C5-PFPeA	A	5.00	4.79	0.6742923	64647747568962	**96**	70	130
13C5-PFHxA	A	2.50	2.36	1.100741	.0381460968085	**94**	70	130
13C4-PFHpA	A	2.50	2.35	1.23075	.1573436287863	**94**	70	130
13C8-PFOA	A	2.50	2.48	11.17993	1.074460653974	**99**	70	130
13C9-PFNA	A	1.25	1.28	0.9904981	.0120961796171	**102**	70	130
13C6-PFDA	A	1.25	1.24	1.017173	.0053793427066	**99**	70	130
13C7-PFUnA	A	1.25	1.22	0.8016343	77919193609752	**97**	70	130
13C2-PFDoA	A	1.25	1.27	0.5972407	60596056262563	**101**	70	130
AVE 13C2-PFTeDA & 13C2-PFDoA	A	1.25	1.28	0.6607286	.6759197704685	**102**	70	130
13C2-PFTeDA	A	1.25	1.29	0.7242163	74587883671625	**103**	70	130
13C3-PFBS	A	2.50	2.66	2.047221	.1775579036786	**106**	70	130
13C3-PFHxS	A	2.50	2.58	1.179169	.2159730710897	**103**	70	130
13C8-PFOS	A	2.50	2.51	1.014637	.0204505801333	**101**	70	130
13C2-4:2FTS	A	5.00	4.99	0.4246144	42394037647633	**100**	70	130
13C2-6:2FTS	A	5.00	5.08	0.2489471	25279029596049	**102**	70	130
13C2-8:2FTS	A	5.00	5.01	0.2001524	20047523573665	**100**	70	130
13C8-PFOSA	A	2.50	2.54	1.486845	.5102599434876	**102**	70	130
D3-NMeFOSA	A	2.50	2.59	0.4172677	43210324071784	**104**	70	130
D5-NEtFOSA	A	2.50	2.52	0.4511948	45411205670389	**101**	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV Lower	Upper
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Limit	Limit
D3-NMeFOSAA	A	5.00	5.12	1.121732	.1482946428536	**102**	70	130
D5-NEtFOSAA	A	5.00	5.34	0.8468811	90415253112091	**107**	70	130
D7-NMeFOSE	A	25.0	25.1	0.5040221	50576083922019	**100**	70	130
D9-NEtFOSE	A	25.0	24.8	0.2550538	25263644395159	**99**	70	130
13C3-HFPO-DA	A	10.0	9.50	0.2847944	27062052355265	**95**	70	130

A = Average Response Factor

Q = Quadratic Regression

L = Linear Regression

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_013.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:01:35 PM
Sample Name	SEQ-ICV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

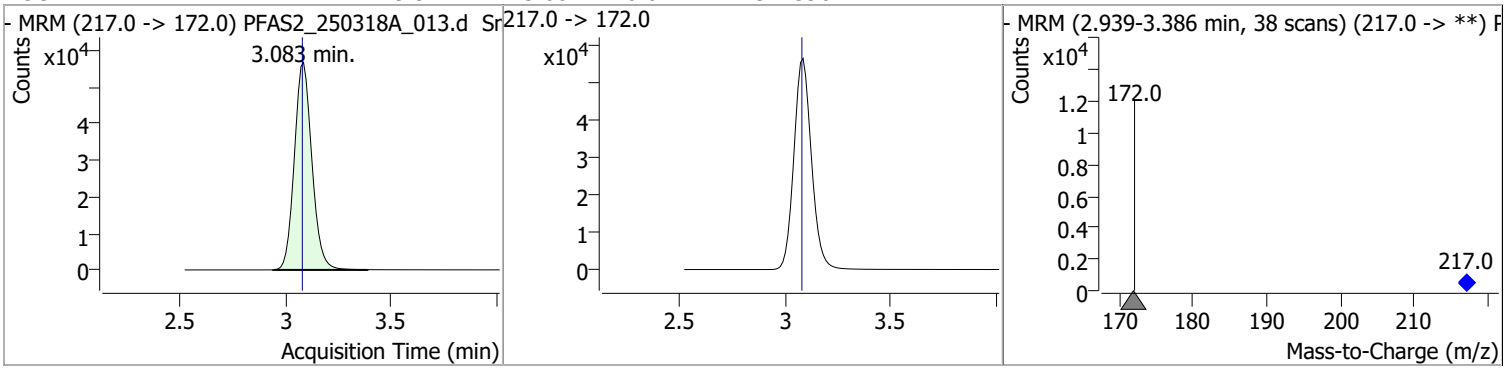
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	144462	5.0000	µg/L		5.568
13C2-PFHxA	4.890	315.0 -> 270.0	166287	2.5000	µg/L		8.383
18O2-PFHxS	5.967	403.0 -> 84.0	29901	2.5000	µg/L		0.914
13C4-PFOA	5.835	417.0 -> 172.0	15905	2.5000	µg/L		2.958
13C5-PFNA	6.237	468.0 -> 423.0	73853	1.2500	µg/L		3.767
13C2-PFDA	6.627	515.0 -> 470.0	70624	1.2500	µg/L		5.604
13C4-PFOS	6.783	503.0 -> 80.0	25683	2.5000	µg/L		3.106
System Monitoring Compounds							
13C4-PFBA	3.083	217.0 -> 172.0	327390	10.0000	µg/L		5.328
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.73%			
13C5-PFPeA	4.234	268.0 -> 223.0	215002	5.0000	µg/L		3.906
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.87%			
13C5-PFPeA	4.234	268.0 -> 223.0	215002	5.0000	µg/L		3.906
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.87%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	25352	5.0000	µg/L		0.347
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.84%			
13C5-PFHxA	4.889	318.0 -> 273.0	172630	2.5000	µg/L		2.242
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.31%			
13C5-PFHxA	4.889	318.0 -> 273.0	172630	2.5000	µg/L		2.242
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.31%			
13C3-PFBS	4.929	302.0 -> 80.0	65111	2.5000	µg/L		7.225
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.37%			
13C3-PFBS	4.929	302.0 -> 80.0	65111	2.5000	µg/L		7.225
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.37%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	180003	10.0000	µg/L		2.994
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.02%			
13C4-PFHpA	5.397	367.0 -> 322.0	192451	2.5000	µg/L		1.887
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.04%			
13C3-PFHxS	5.968	402.0 -> 80.0	36359	2.5000	µg/L		4.035
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.12%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15117	5.0000	µg/L		2.361
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.54%			
13C8-PFOA	5.835	421.0 -> 376.0	176138	2.5000	µg/L		1.967
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.06%			
13C3-PFHxS	5.968	402.0 -> 80.0	36359	2.5000	µg/L		4.035
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.12%			
13C9-PFNA	6.237	472.0 -> 427.0	74746	1.2500	µg/L		6.077
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.18%			
13C8-PFOS	6.782	507.0 -> 80.0	26208	2.5000	µg/L		3.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.57%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11989	5.0000	µg/L	#	1.209
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.16%			
13C6-PFDA	6.627	519.0 -> 474.0	71004	1.2500	µg/L		4.479
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.84%			
2H3-N-MeFOSAA	6.753	573.0 -> 419.0	58983	5.0000	µg/L		5.669

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.37%		
13C8-PFOS	6.782	507.0 -> 80.0	26208	2.5000	µg/L	3.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.57%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46443	5.0000	µg/L	10.133
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.76%		
13C7-PFUnDA	7.002	570.0 -> 525.0	55030	1.2500	µg/L	2.661
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.20%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	47736	1.2500	µg/L	8.208
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.30%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42795	1.2500	µg/L	7.135
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.46%		
13C2-PFTDA	8.092	715.0 -> 670.0	52677	1.2500	µg/L	9.096
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.99%		
13C8-PFOSA	8.780	506.0 -> 78.0	38788	2.5000	µg/L	4.942
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.57%		
2H7-MeFOSE	9.853	623.1 -> 59.0	129894	25.0000	µg/L	3.383
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.34%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	11098	2.5000	µg/L	7.025
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.56%		
2H9-EtFOSE	10.185	639.1 -> 59.0	64884	25.0000	µg/L	2.166
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.05%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11663	2.5000	µg/L	3.761
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.65%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1114913	38.8676	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.17%		
PFMPA	3.614	229.0 -> 85.0	395773	19.1087	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.54%		
3-3 FTCA	3.790	241.0 -> 177.0	28481	38.8264	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.07%		
PFPeA	4.235	263.0 -> 219.0	763114	19.1767	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.88%		
PFMBA	4.465	279.0 -> 85.0	573117	18.9915	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.96%		
4-2 FTSA	4.710	327.0 -> 307.0	567154	36.8085	µg/L	100
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 98.16%		
NFDHA	4.834	295.0 -> 201.0	25011	19.6993	µg/L	95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.50%		
PFHxA	4.892	313.0 -> 269.0	610740	9.8869	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.87%		
PFBS	4.930	298.9 -> 80.0	235390	8.7127	µg/L	93
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 98.23%		
HFPO-DA	5.087	285.0 -> 169.0	339290	21.2454	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 106.23%		
PFEESA	5.201	314.9 -> 135.0	1517009	17.7891	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 99.94%		
PFHpA	5.398	363.0 -> 319.0	721179	9.7009	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.01%		
5-3 FTCA	5.458	341.0 -> 237.0	951039	194.9117	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 97.46%		
PFPeS	5.494	348.9 -> 80.0	195706	9.9689	µg/L	91
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 105.94%		
DONA	5.564	377.0 -> 251.0	1923986	18.1319	µg/L	98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 95.94%		

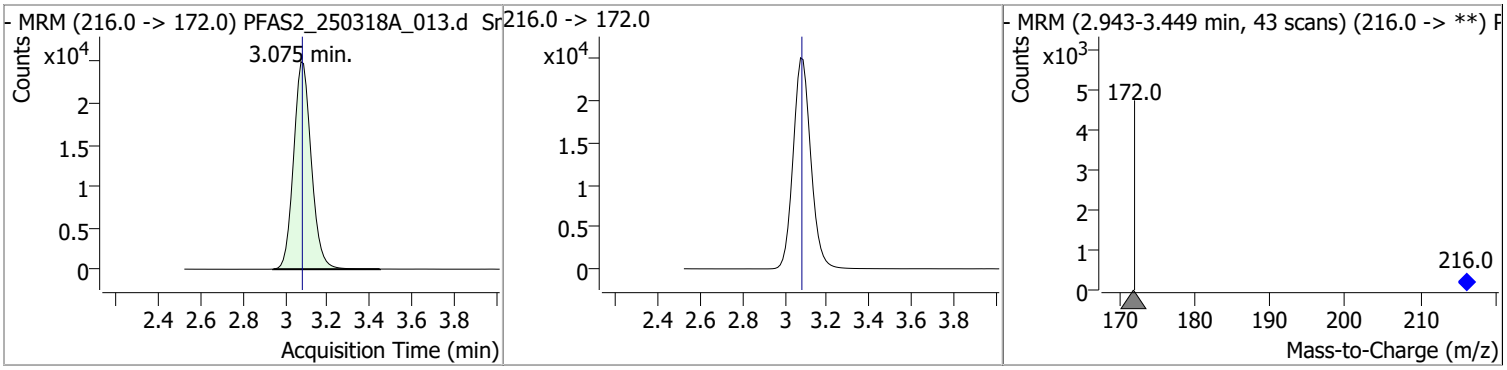
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.654	427.0 -> 407.0	412152	39.5962	µg/L		96
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 104.20%			
PFOA	5.836	413.0 -> 369.0	684525	9.8326	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.33%			
PFHxS	5.969	398.9 -> 80.0	133441	9.4358	µg/L		94
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 103.24%			
PFNA	6.238	463.0 -> 419.0	555718	9.5290	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.29%			
PFHpS	6.382	448.9 -> 80.0	101113	9.2756	µg/L		90
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.33%			
8-2 FTSA	6.436	527.0 -> 507.0	214972	40.7545	µg/L	#	78
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 106.13%			
7-3 FTCA	6.609	441.0 -> 317.0	744438	199.5945	µg/L		92
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.80%			
PFDA	6.627	513.0 -> 469.0	516073	9.8274	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.27%			
N-MeFOSAA	6.754	570.0 -> 419.0	99885	9.5778	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.78%			
PFOS	6.784	498.9 -> 80.0	92155	8.7560	µg/L		97
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 94.35%			
N-EtFOSAA	6.965	584.0 -> 419.0	84069	9.5763	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.76%			
PFUnDA	7.003	563.0 -> 519.0	394642	9.6410	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1059076	19.1153	µg/L		90
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 102.22%			
PFNS	7.171	548.9 -> 80.0	89813	10.0459	µg/L		88
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 104.43%			
PFDoDA	7.368	613.0 -> 569.0	310780	9.9061	µg/L		94
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.06%			
PFDS	7.537	598.9 -> 80.0	70396	10.5383	µg/L		93
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 109.21%			
PFTrDA	7.736	663.0 -> 619.0	371723	10.3349	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.35%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	560184	23.4952	µg/L		98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 124.31%			
PFTDA	8.093	712.9 -> 669.0	327754	10.1689	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.69%			
PFDoS	8.240	698.9 -> 80.0	48077	10.2925	µg/L		91
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 106.11%			
PFOSA	8.771	497.9 -> 78.0	131783	9.7758	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.76%			
MeFOSE	9.878	616.0 -> 59.0	396007	101.9219	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.92%			
N-MeFOSA	9.992	512.0 -> 219.0	40909	9.8008	µg/L		90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.01%			
EtFOSE	10.222	630.0 -> 59.0	233811	101.5729	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.57%			
N-EtFOSA	10.323	526.0 -> 219.0	46535	10.3444	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.44%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

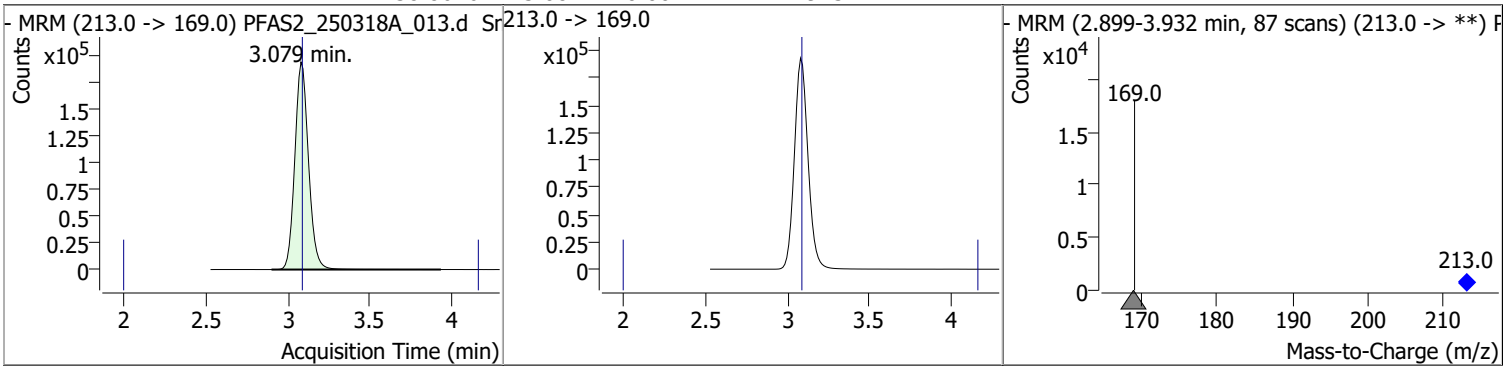
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9727	3.08	0.01	327390				



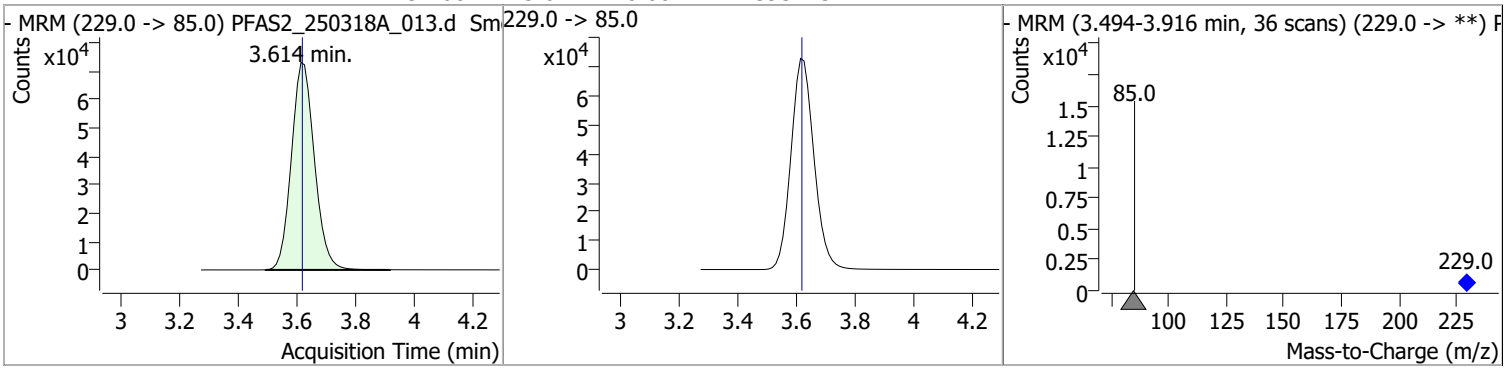
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	144462				



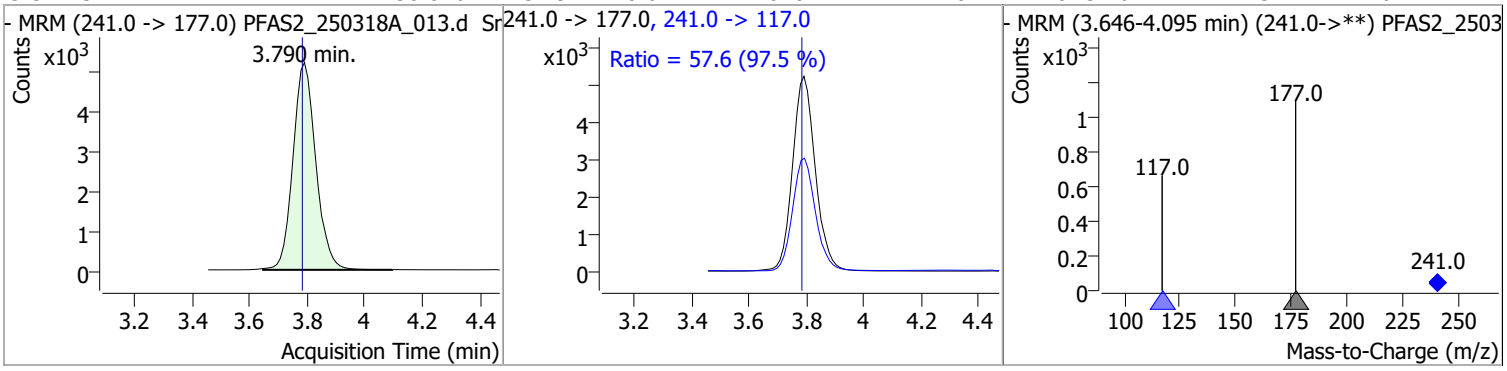
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.8676	3.08	0.00	1114913				



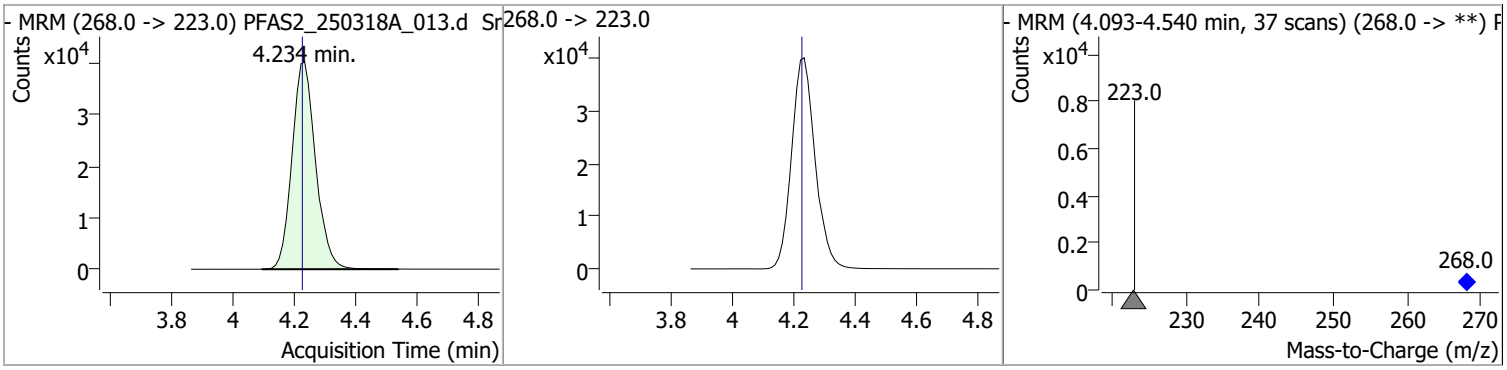
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.1087	3.61	0.00	395773				



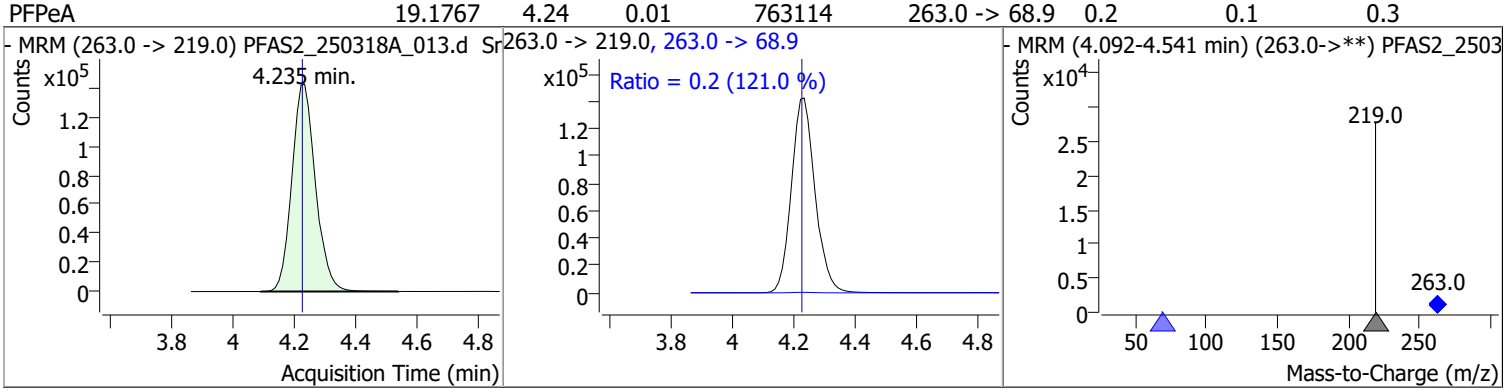
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	38.8264	3.79	0.01	28481	241.0 -> 117.0	57.6	41.3	76.7



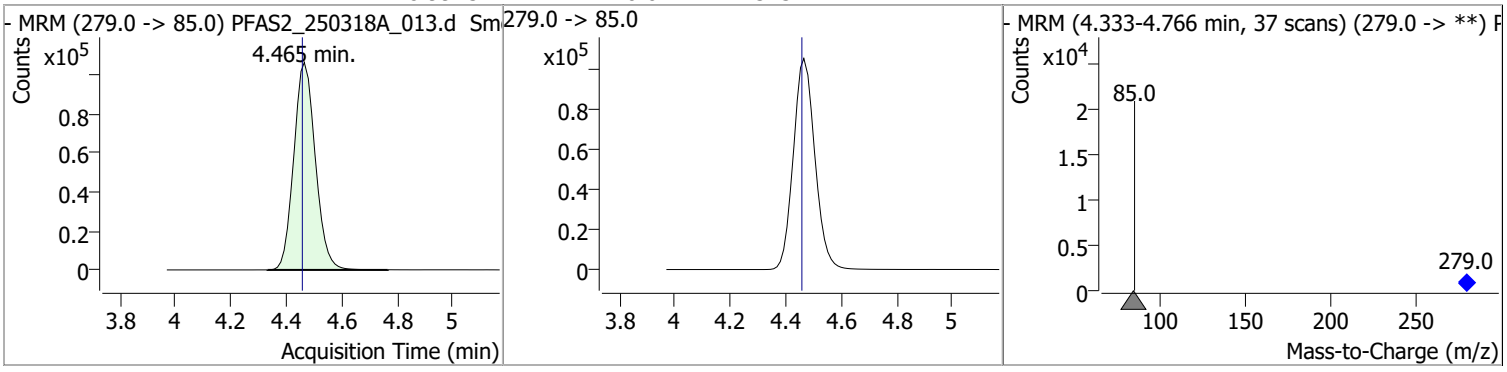
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7937	4.23	0.01	215002				



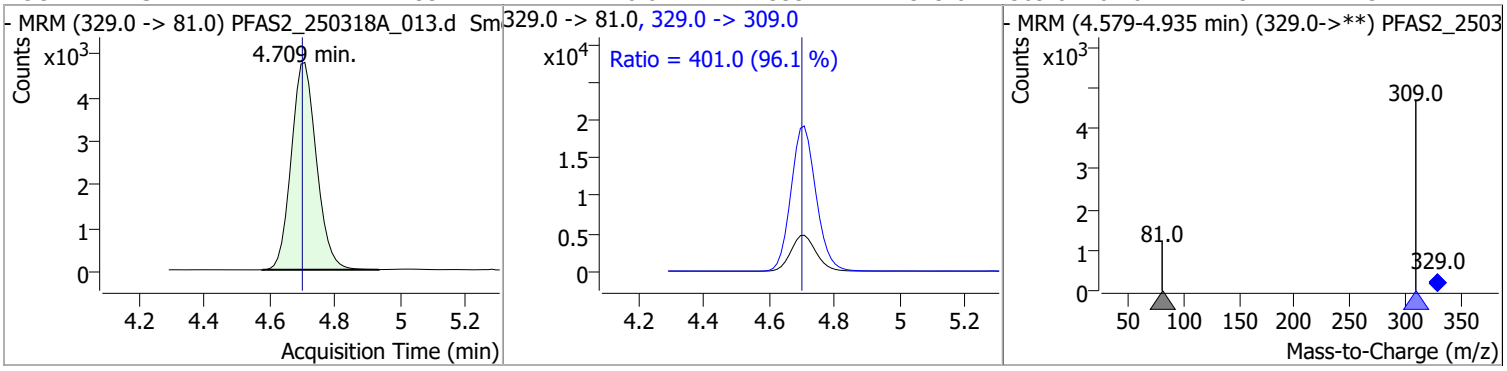
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.1767	4.24	0.01	763114	263.0 -> 68.9	0.2	0.1	0.3



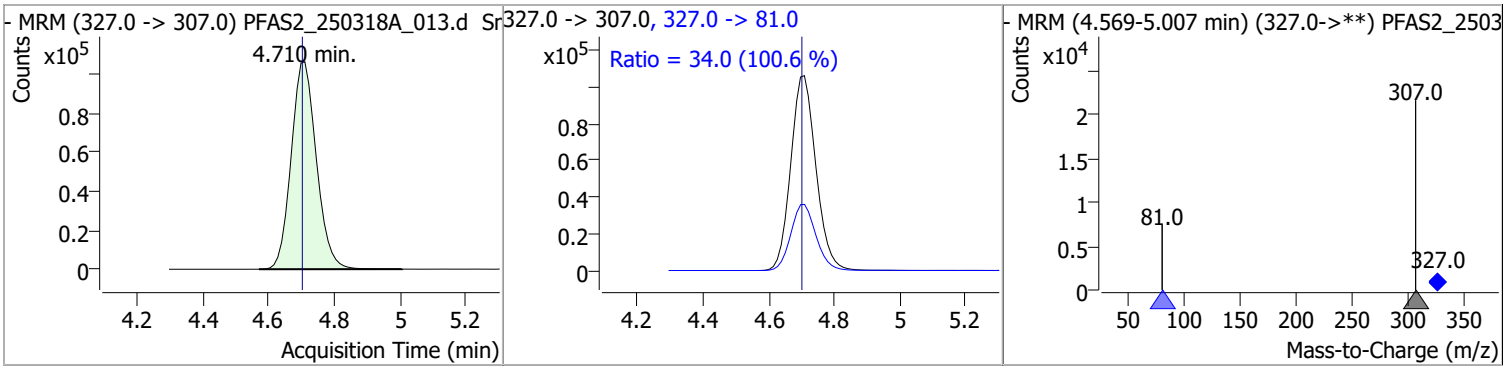
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.9915	4.47	0.01	573117				



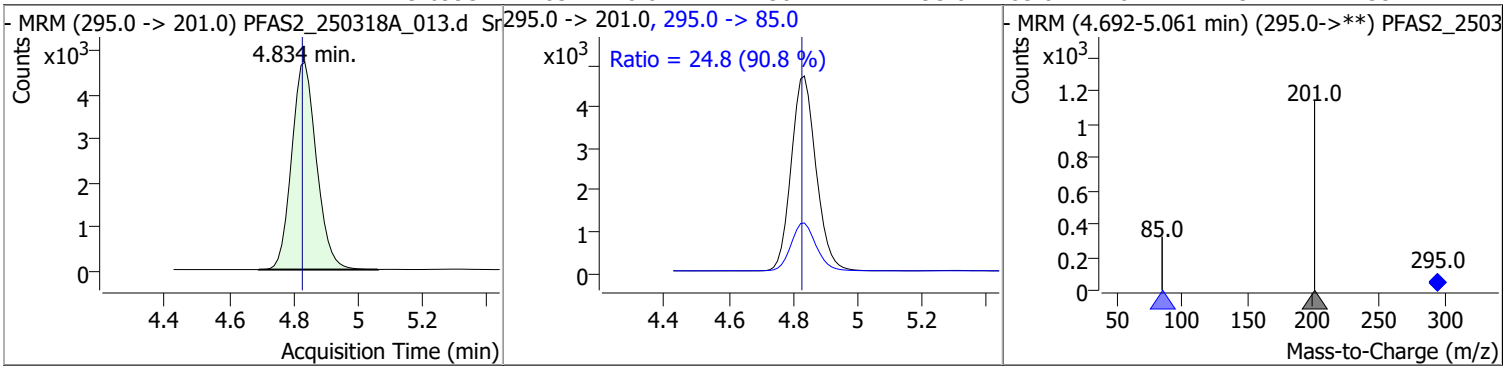
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.9921	4.71	0.01	25352	329.0 -> 309.0	401.0	292.1	542.4



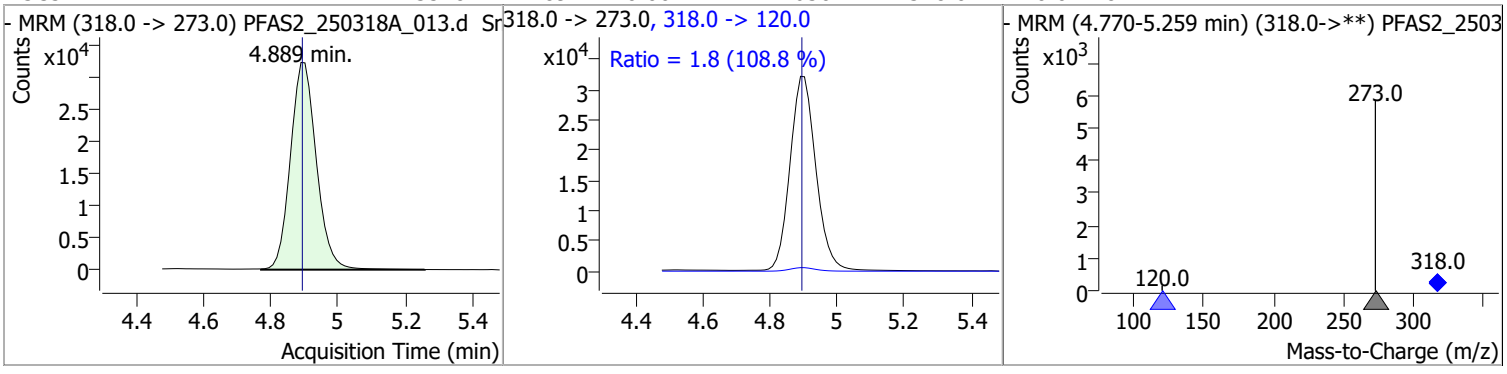
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.8085	4.71	0.01	567154	327.0 -> 81.0	34.0	23.6	43.9



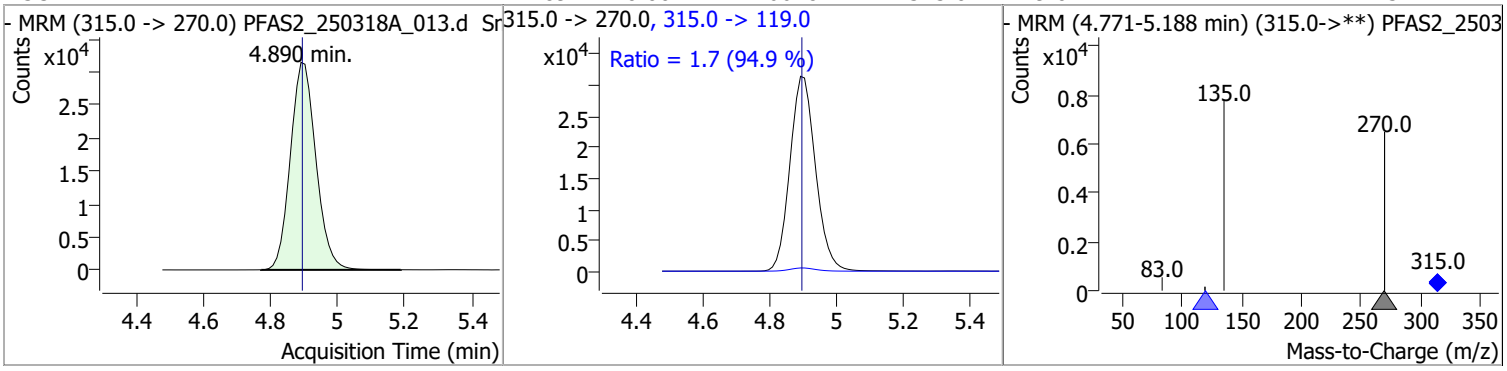
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	19.6993	4.83	0.01	25011	295.0 -> 85.0	24.8	19.1	35.4



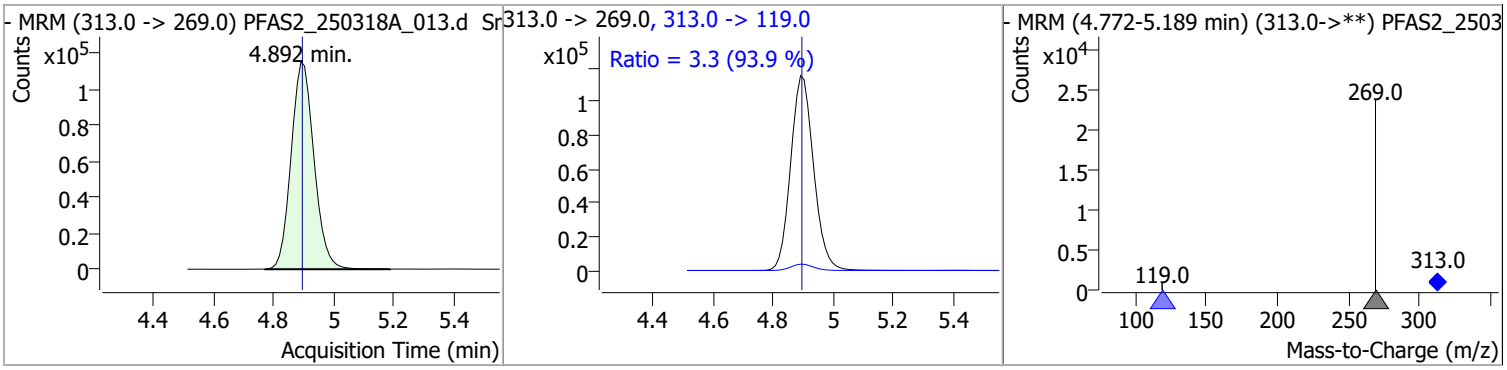
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3578	4.89	0.00	172630	318.0 -> 120.0	1.8	1.1	2.1



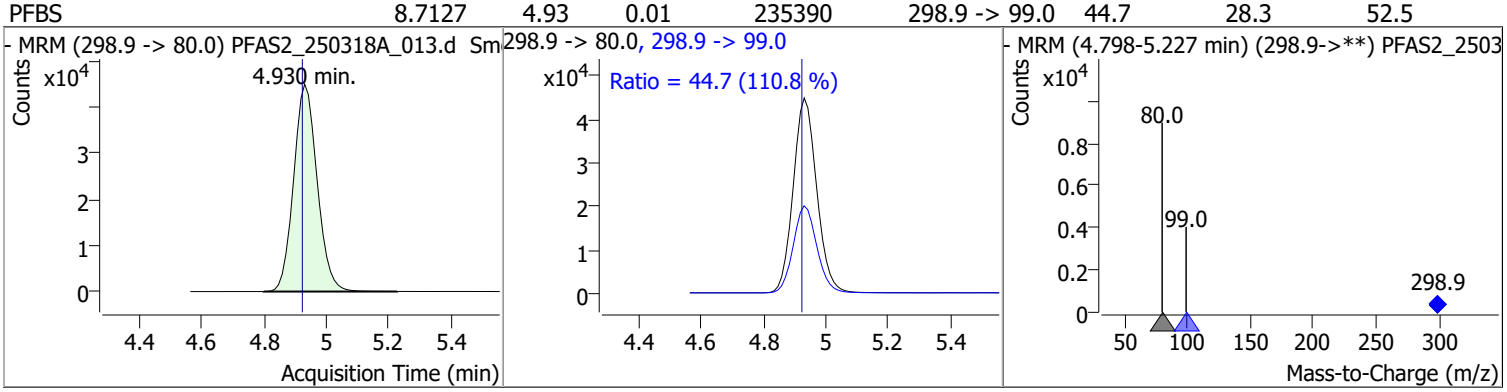
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	166287	315.0 -> 119.0	1.7	1.2	2.3



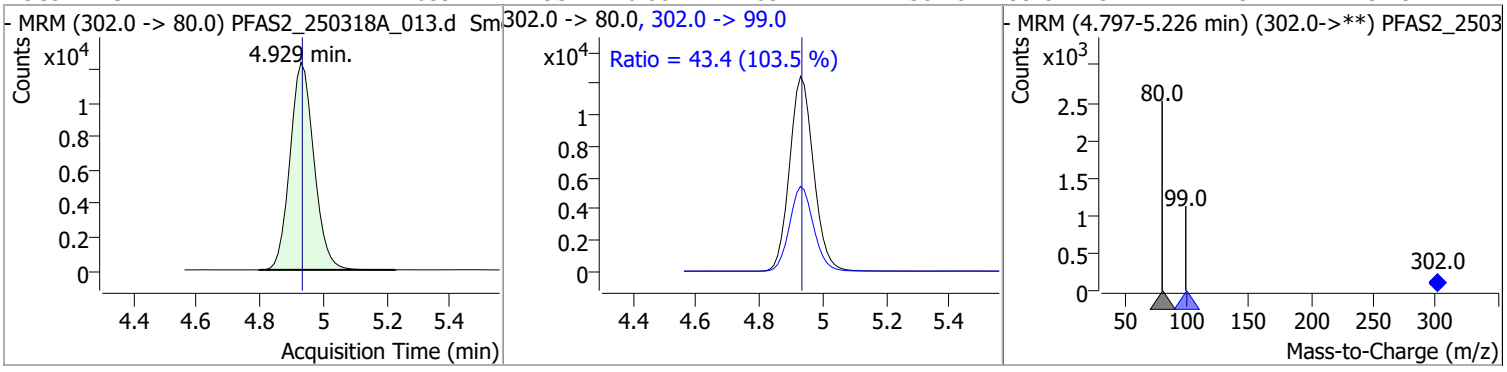
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.8869	4.89	0.00	610740	313.0 -> 119.0	3.3	2.4	4.5



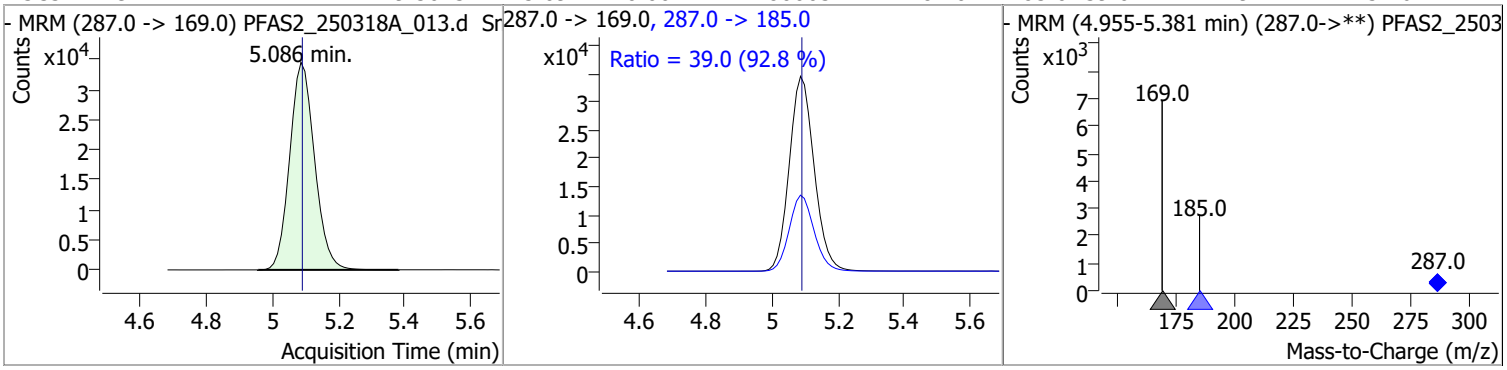
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.7127	4.93	0.01	235390	298.9 -> 99.0	44.7	28.3	52.5



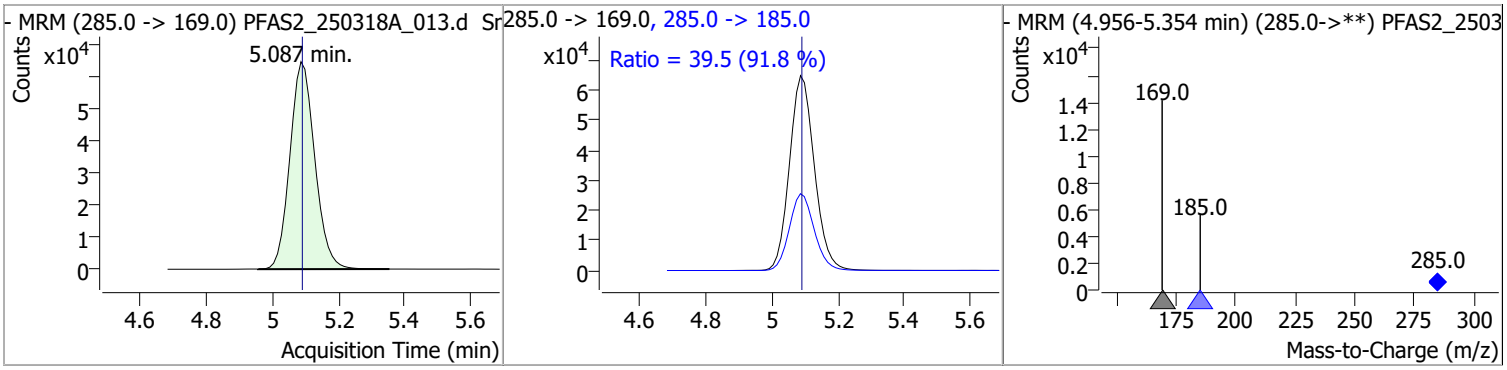
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6592	4.93	0.00	65111	302.0 -> 99.0	43.4	29.4	54.5



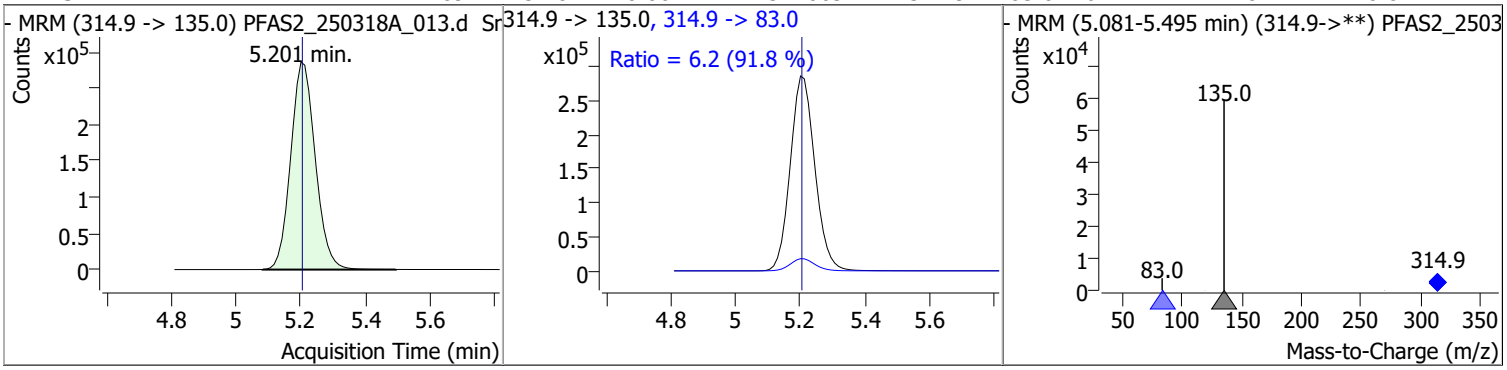
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5023	5.09	0.00	180003	287.0 -> 185.0	39.0	29.4	54.6



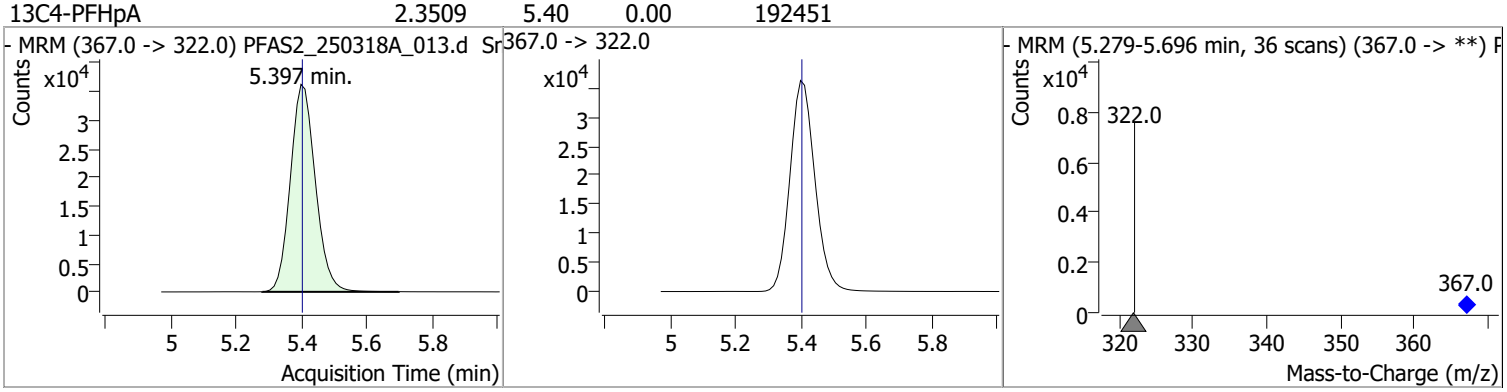
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	21.2454	5.09	0.00	339290	285.0 -> 185.0	39.5	30.1	56.0



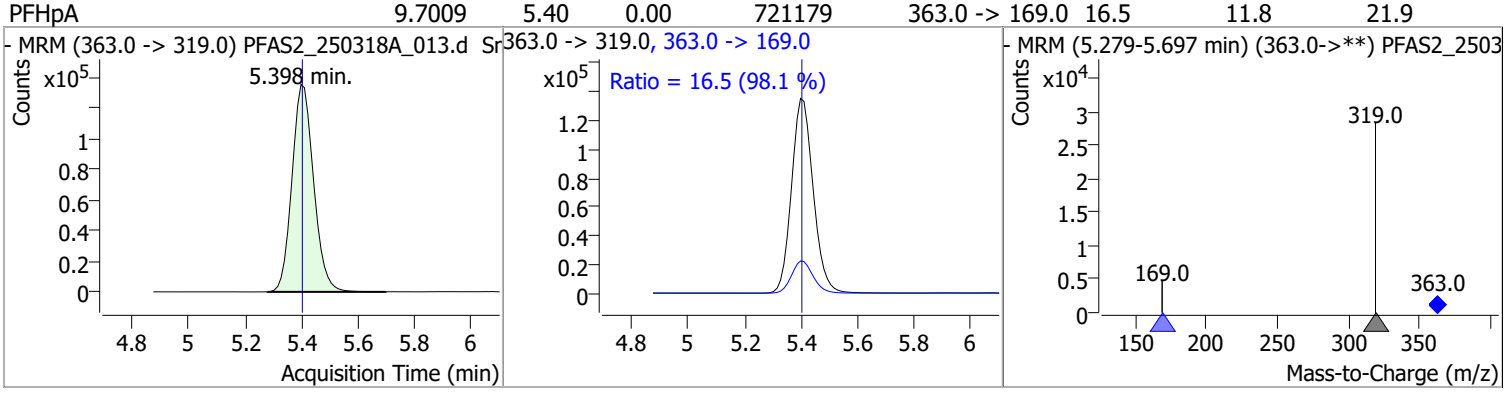
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.7891	5.20	0.00	1517009	314.9 -> 83.0	6.2	4.8	8.8



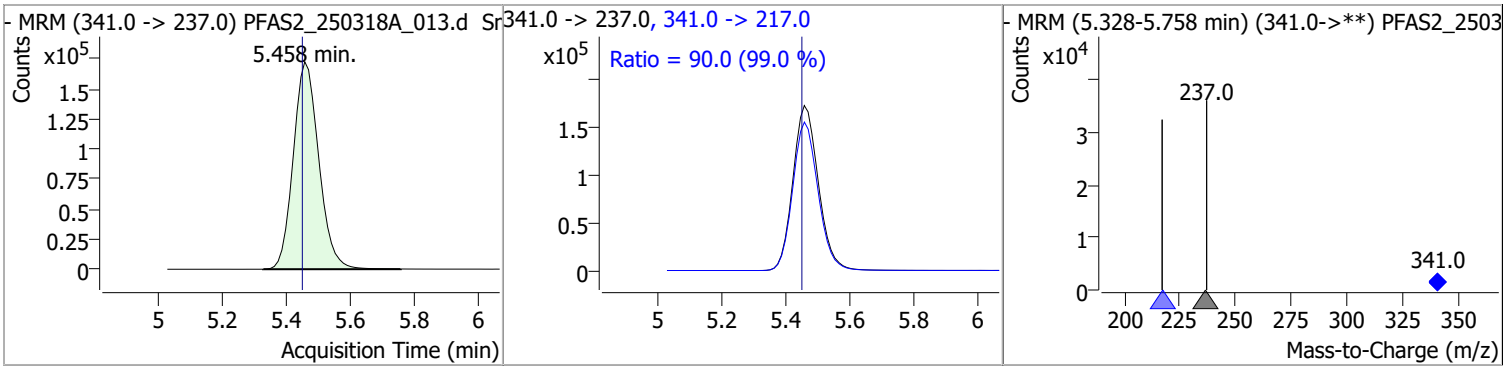
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3509	5.40	0.00	192451				



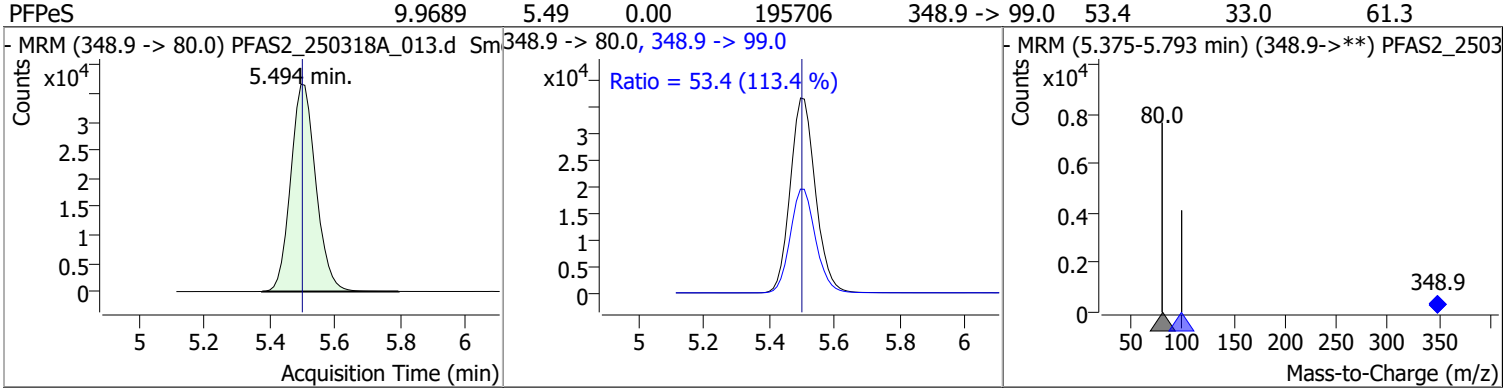
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.7009	5.40	0.00	721179	363.0 -> 169.0	16.5	11.8	21.9



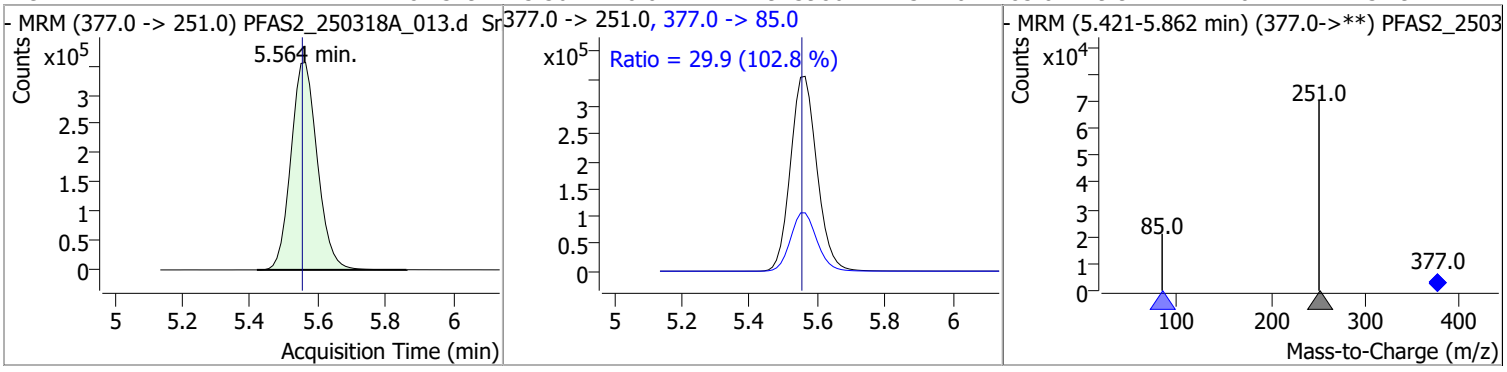
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	194.9117	5.46	0.01	951039	341.0 -> 217.0	90.0	63.6	118.1



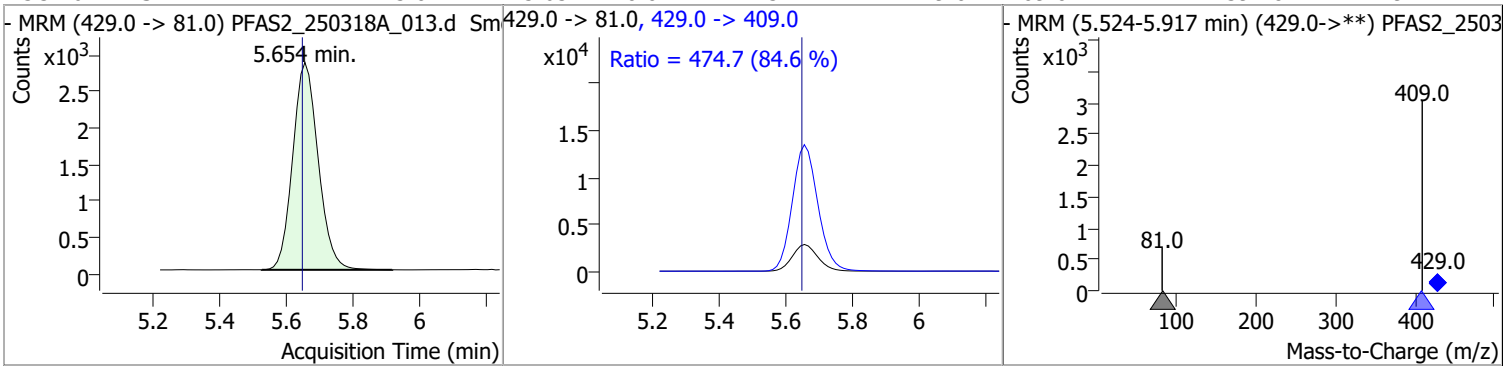
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.9689	5.49	0.00	195706	348.9 -> 99.0	53.4	33.0	61.3



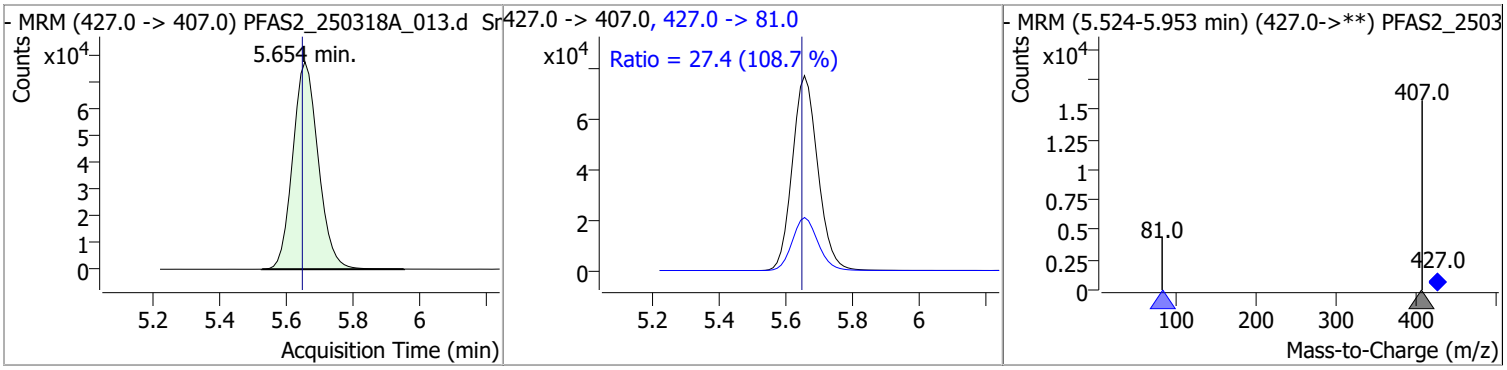
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.1319	5.56	0.01	1923986	377.0 -> 85.0	29.9	20.4	37.9



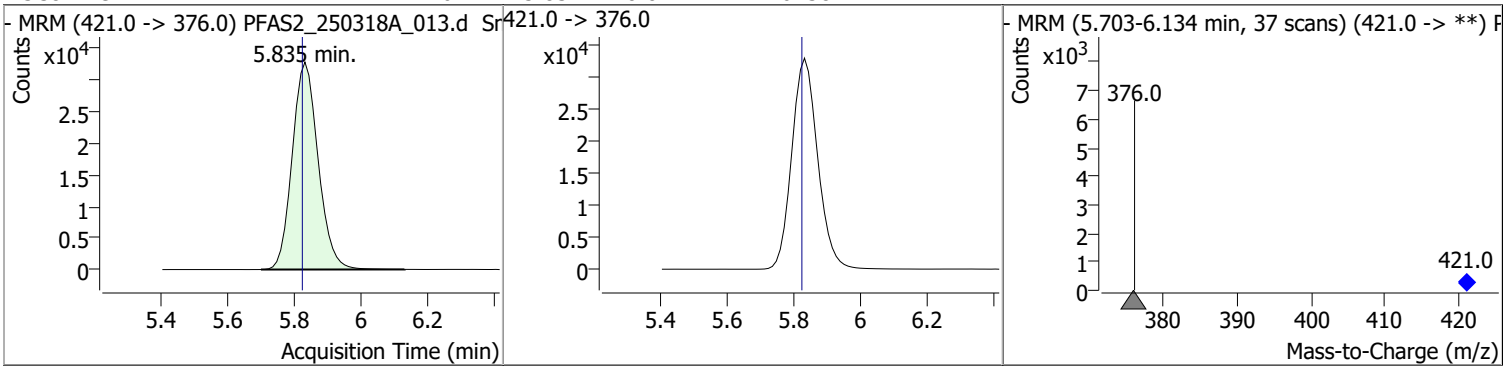
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.0772	5.65	0.01	15117	429.0 -> 409.0	474.7	392.8	729.4



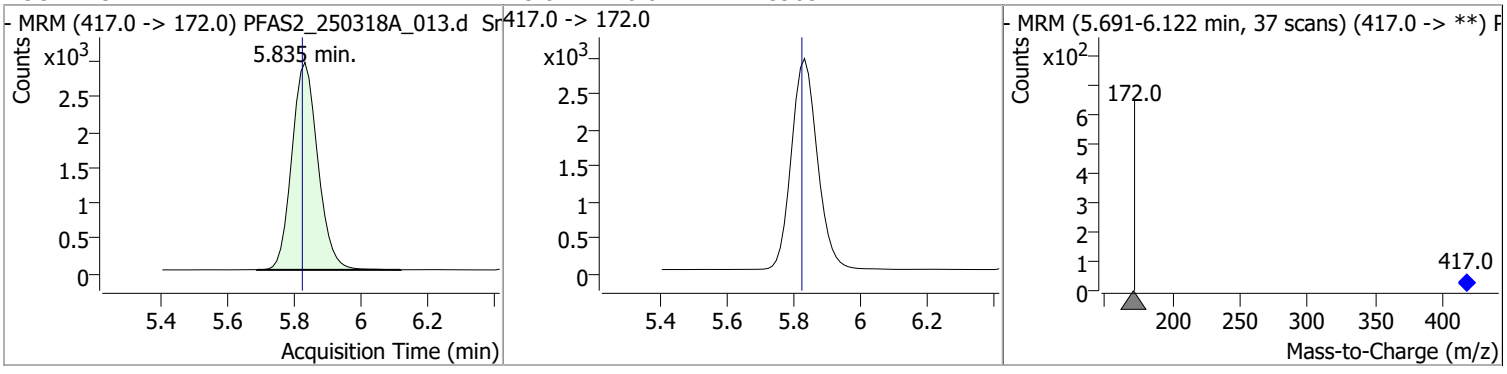
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	39.5962	5.65	0.01	412152	427.0 -> 81.0	27.4	17.7	32.8



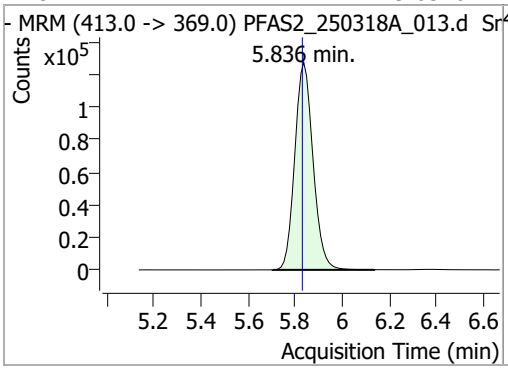
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4764	5.83	0.01	176138				

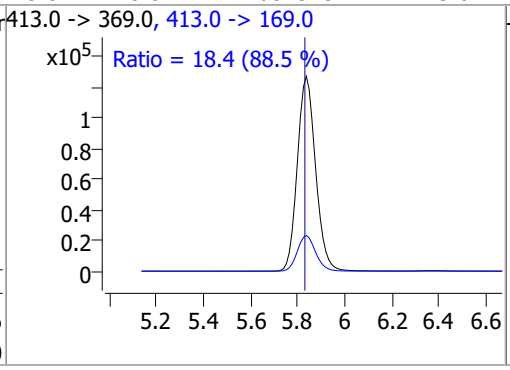


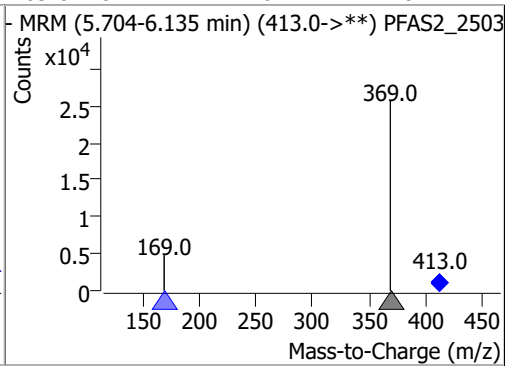
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	15905				



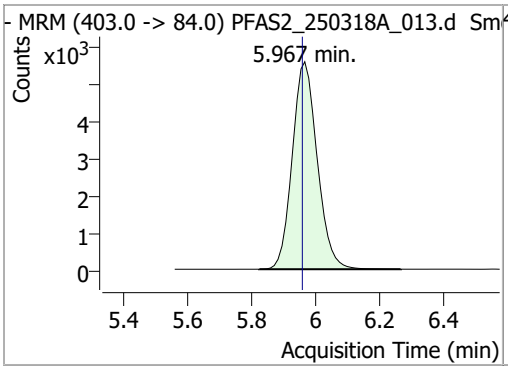
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.8326	5.84	0.01	684525	413.0 -> 169.0	18.4	14.6	27.0

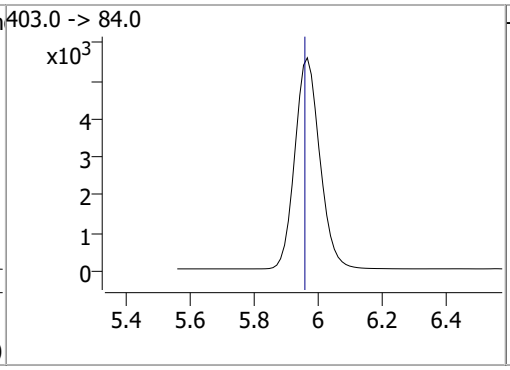


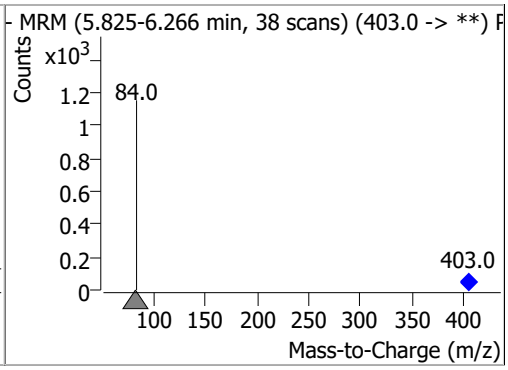




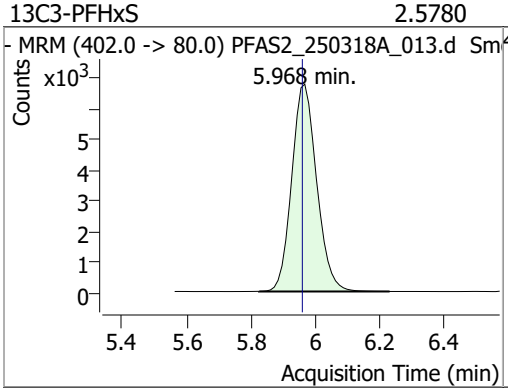
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	29901				

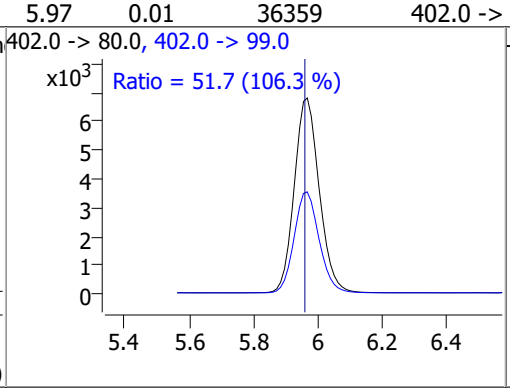


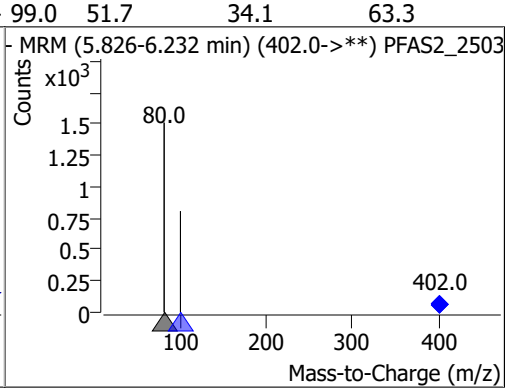




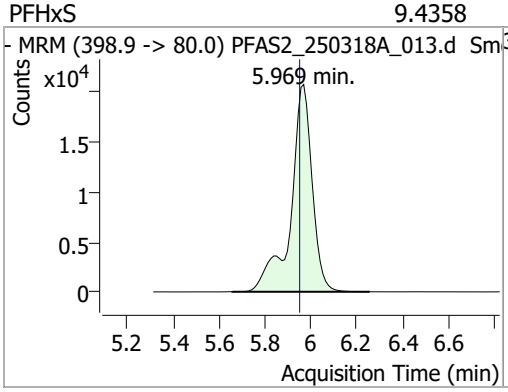
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5780	5.97	0.01	36359	402.0 -> 99.0	51.7	34.1	63.3

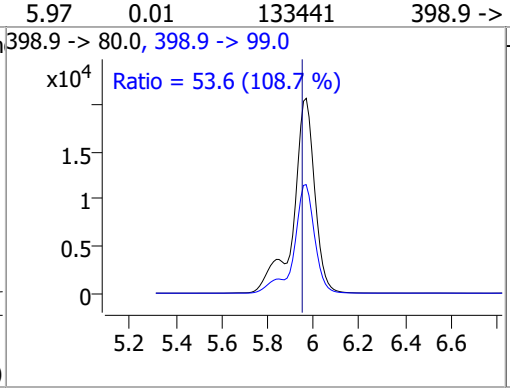


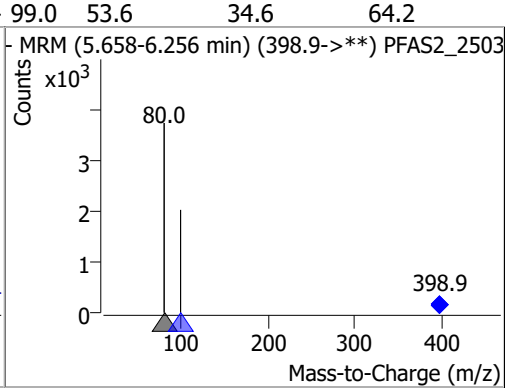




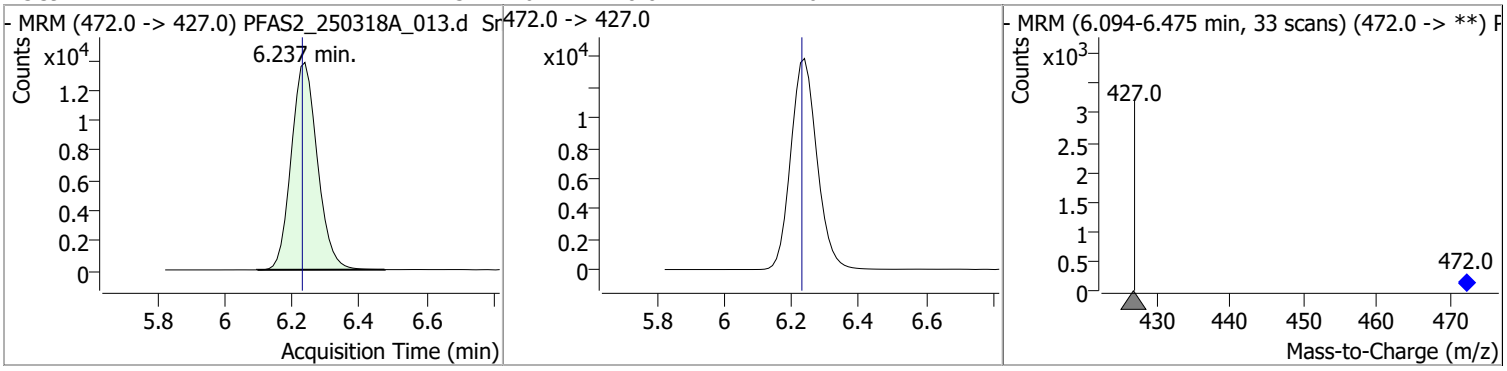
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.4358	5.97	0.01	133441	398.9 -> 99.0	53.6	34.6	64.2



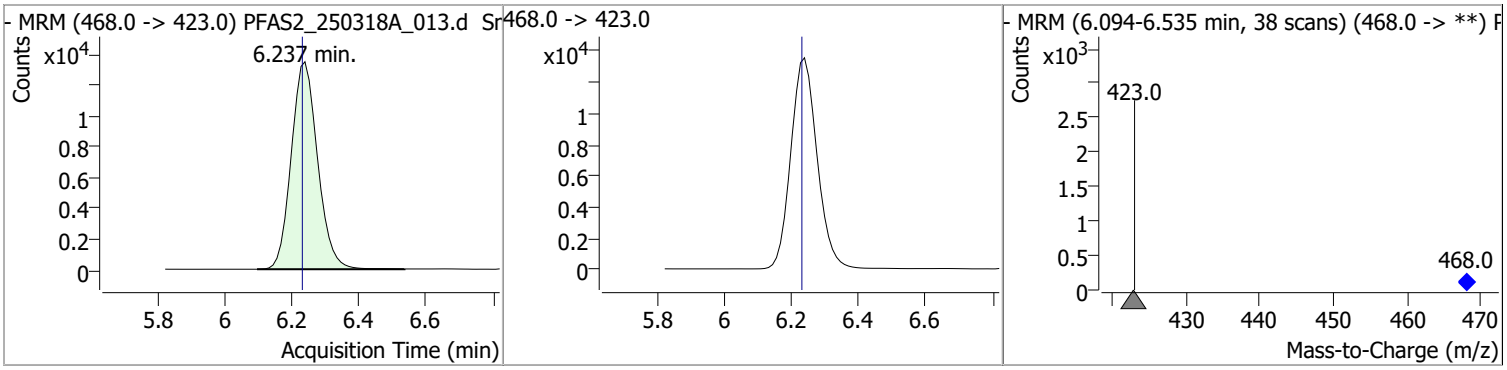




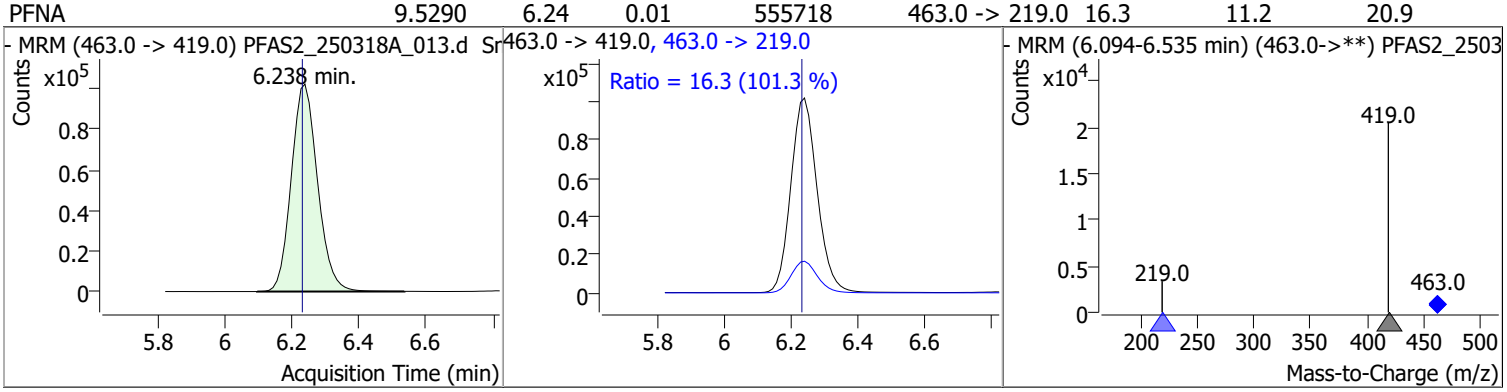
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2773	6.24	0.01	74746				



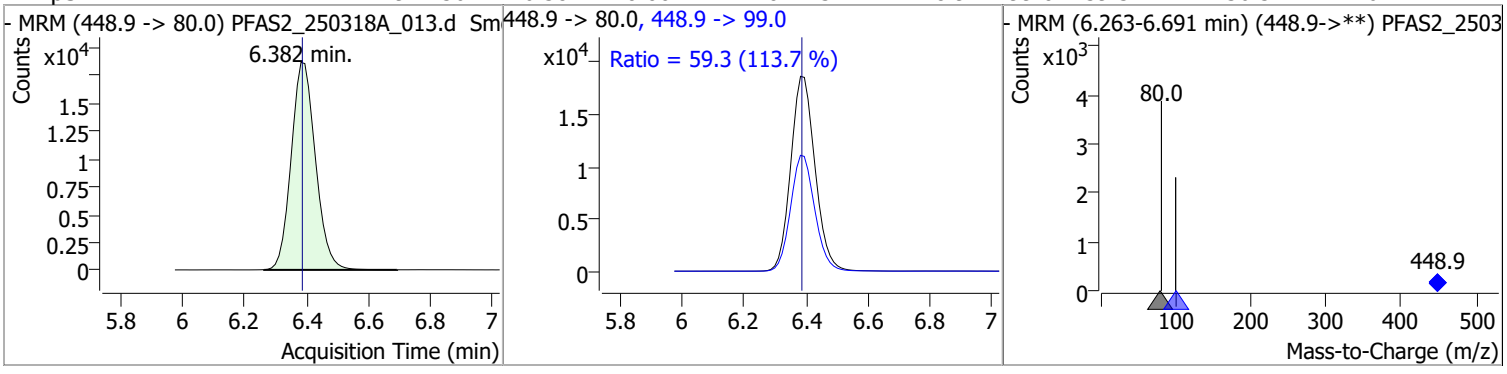
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.24	0.01	73853				



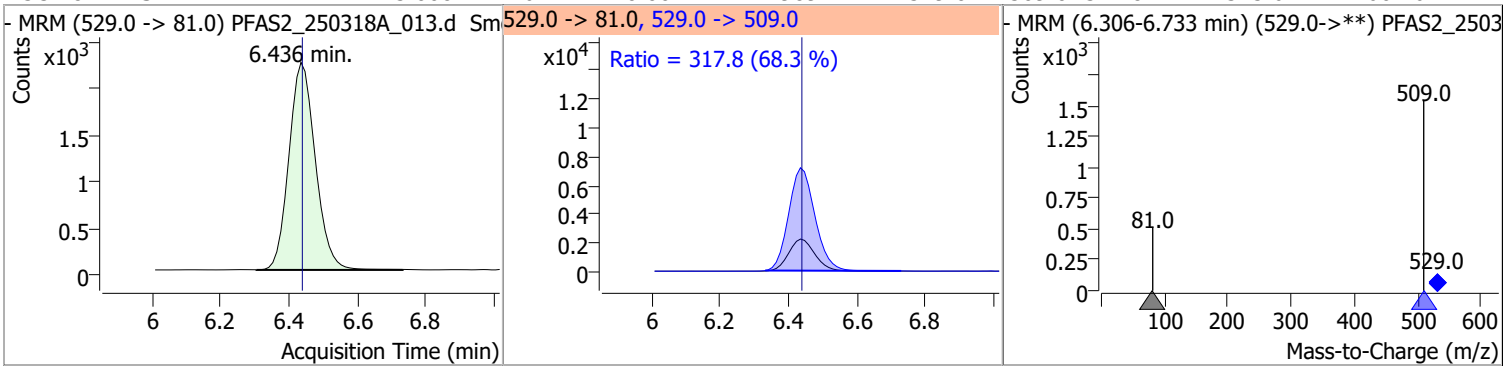
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.5290	6.24	0.01	555718	463.0 -> 219.0	16.3	11.2	20.9



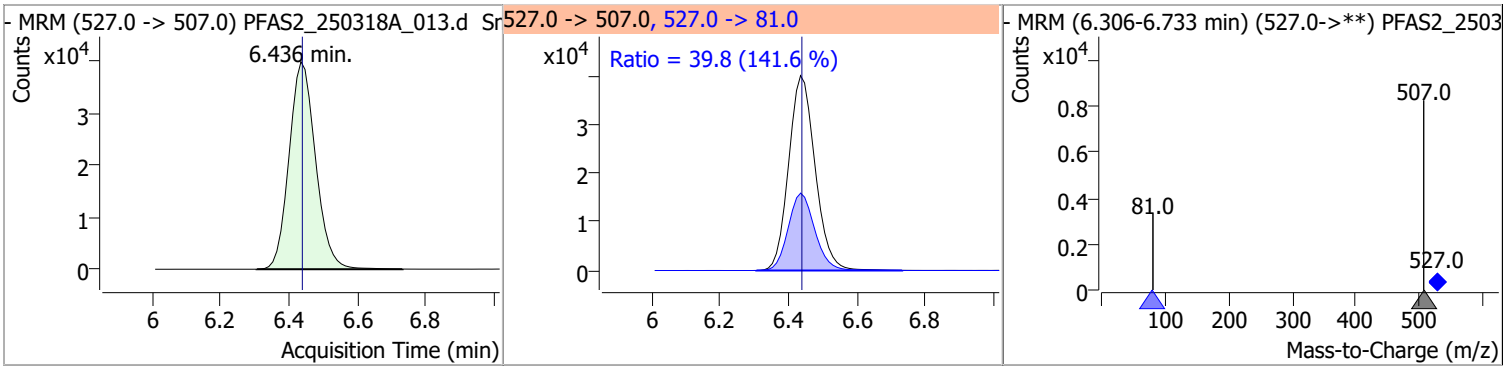
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.2756	6.38	0.00	101113	448.9 -> 99.0	59.3	36.5	67.7



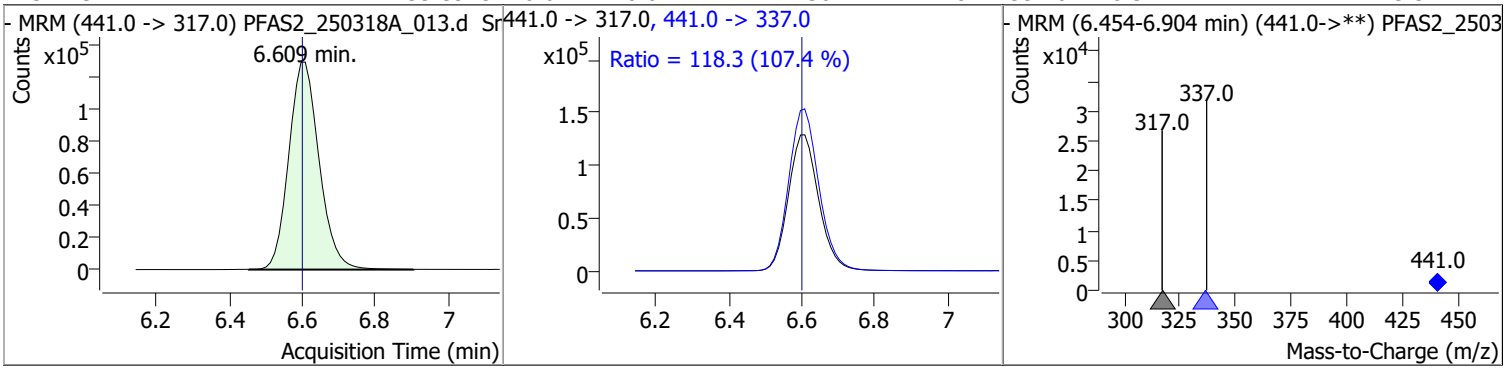
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0081	6.44	0.00	11989	529.0 -> 509.0	317.8	325.6	604.6



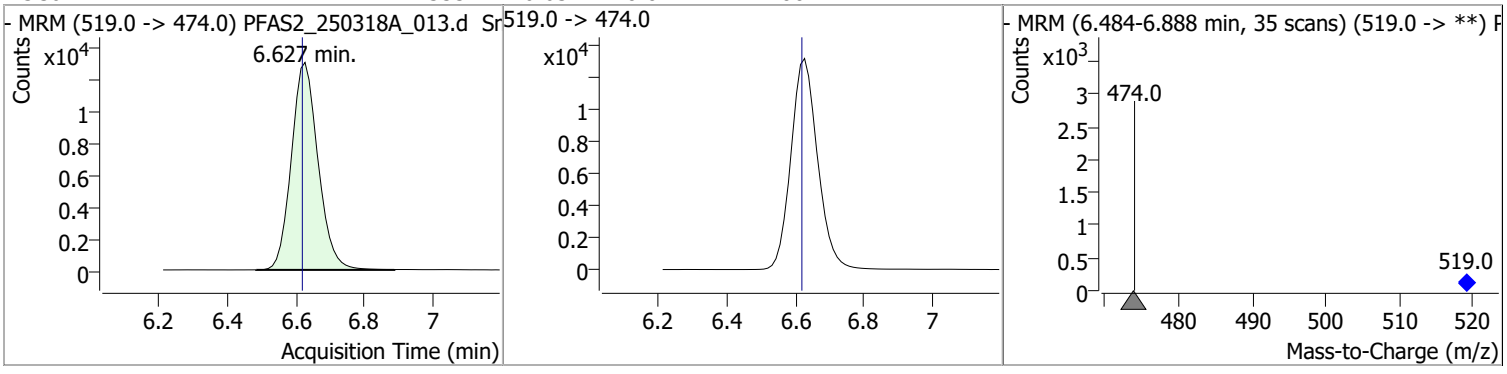
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	40.7545	6.44	0.00	214972	527.0 -> 81.0	39.8	19.7	36.6



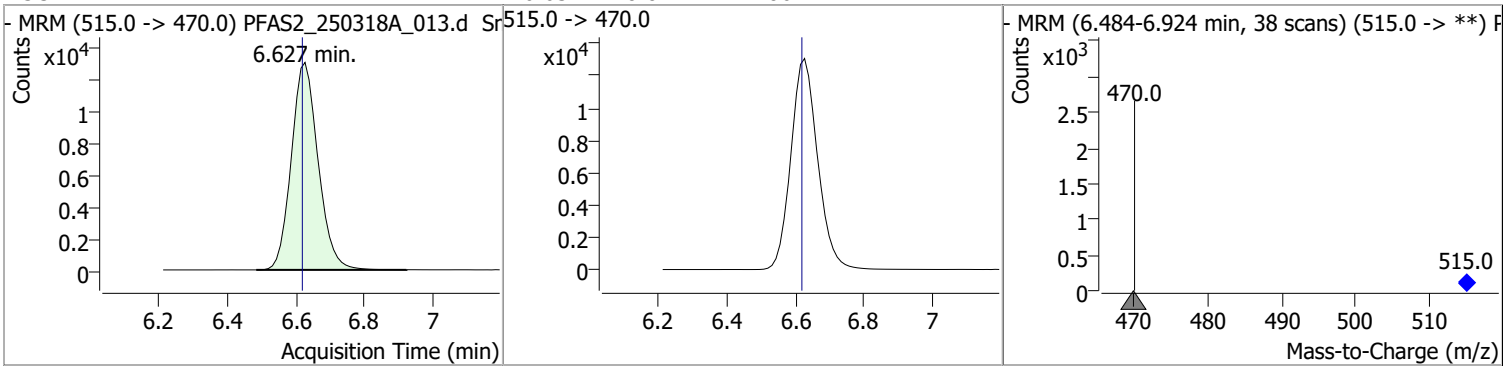
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	199.5945	6.61	0.01	744438	441.0 -> 337.0	118.3	77.1	143.3



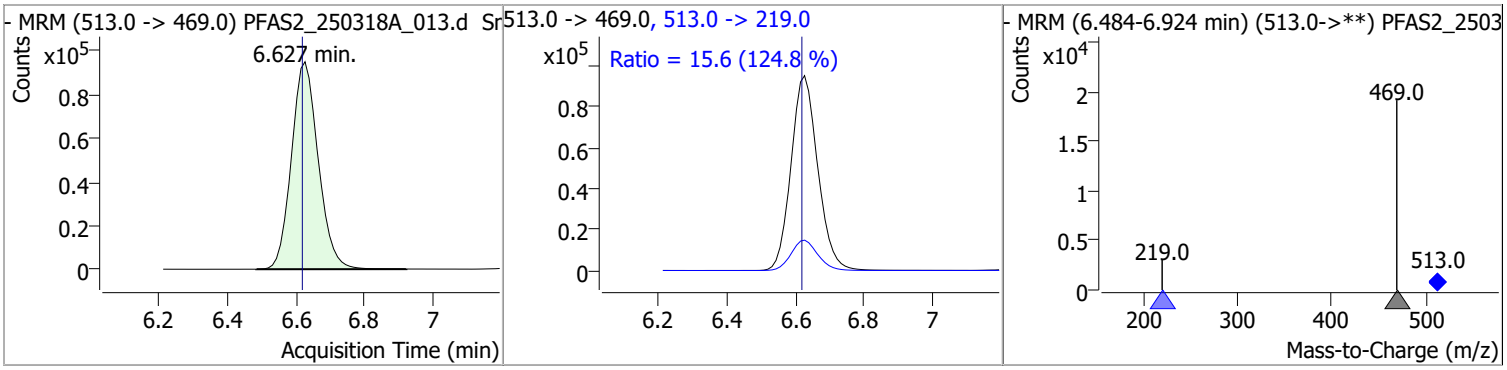
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2355	6.63	0.01	71004				



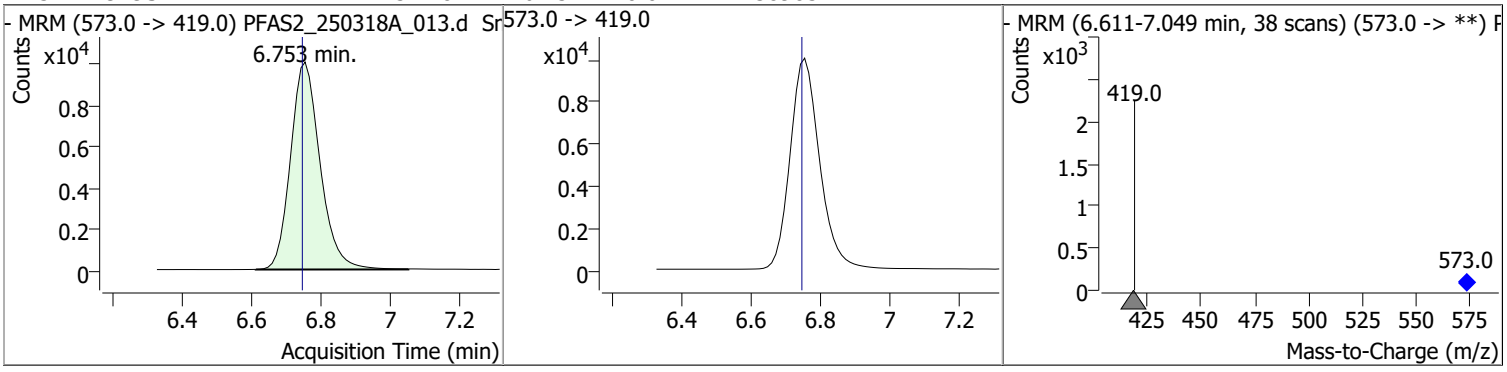
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.63	0.01	70624				



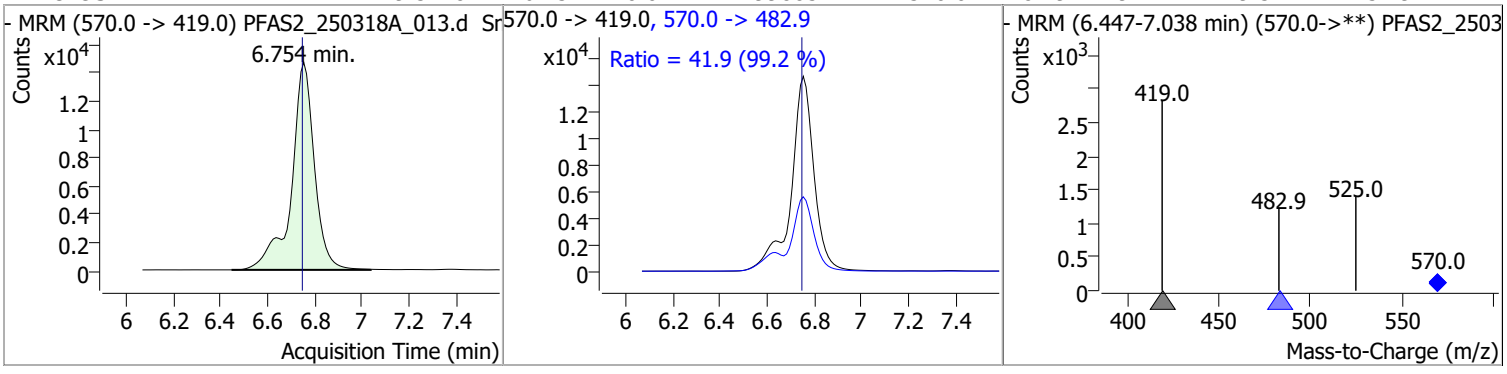
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.8274	6.63	0.01	516073	513.0 -> 219.0	15.6	8.7	16.2



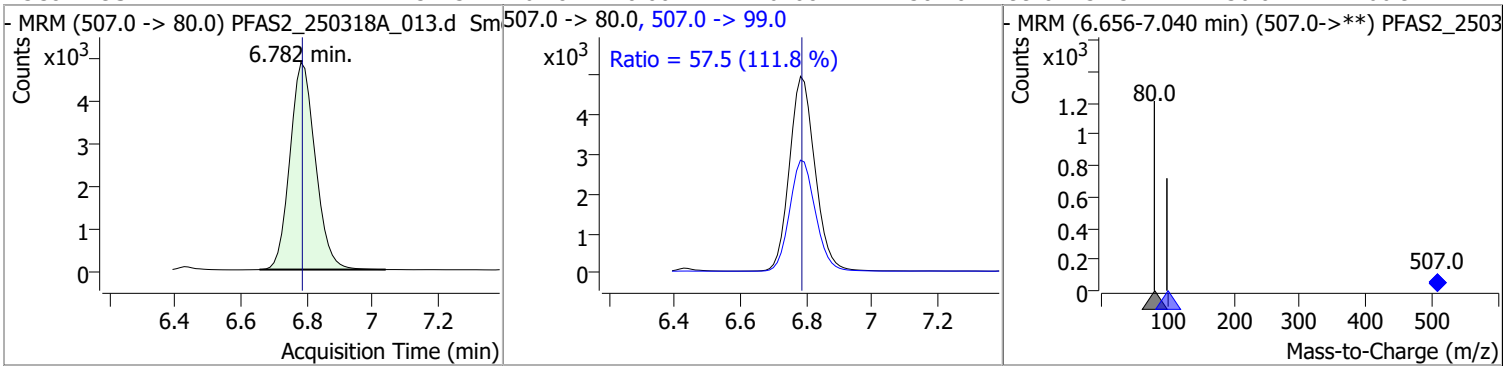
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1184	6.75	0.01	58983				



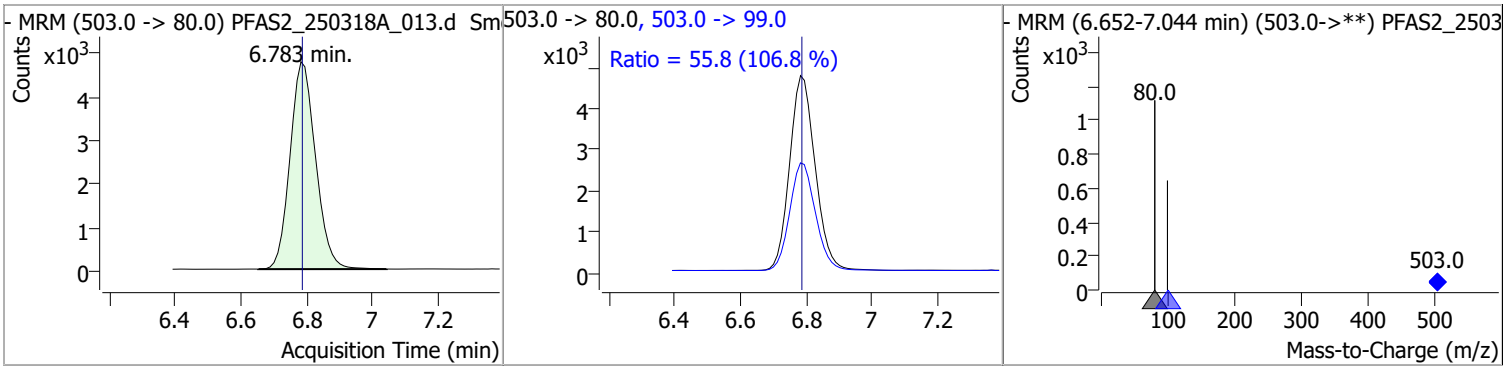
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.5778	6.75	0.01	99885	570.0 -> 482.9	41.9	29.5	54.9



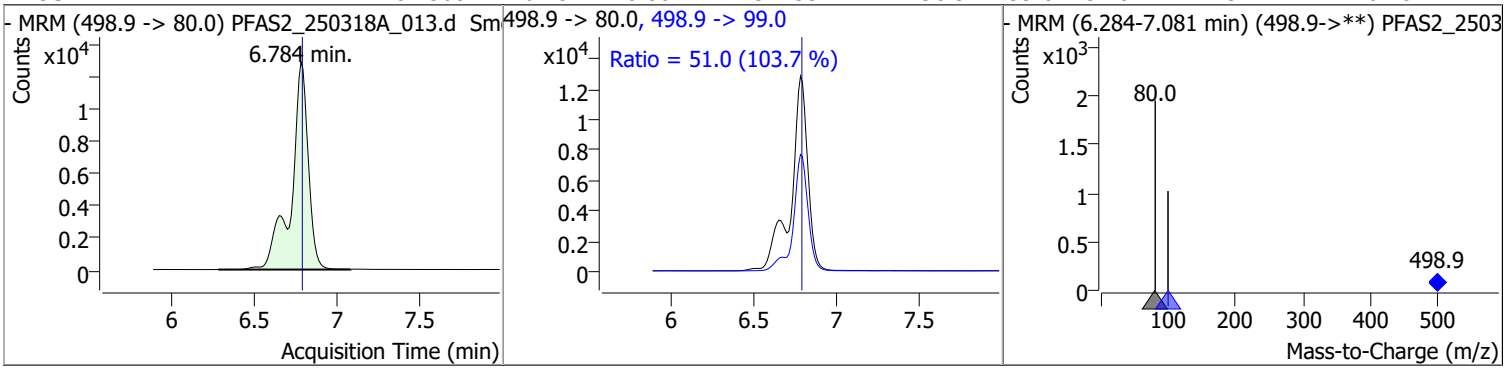
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5143	6.78	0.00	26208	507.0 -> 99.0	57.5	36.0	66.9



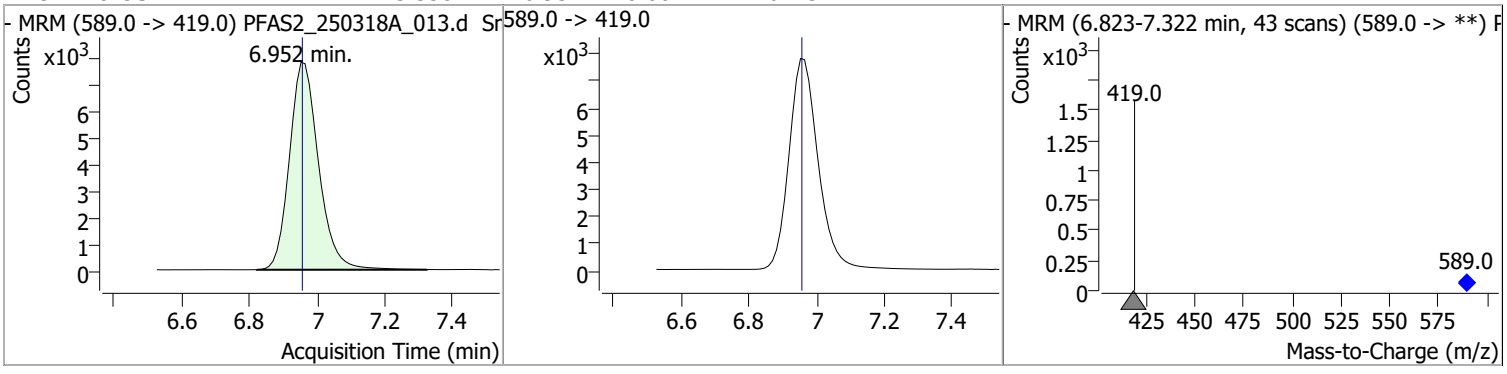
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	25683	503.0 -> 99.0	55.8	36.6	67.9



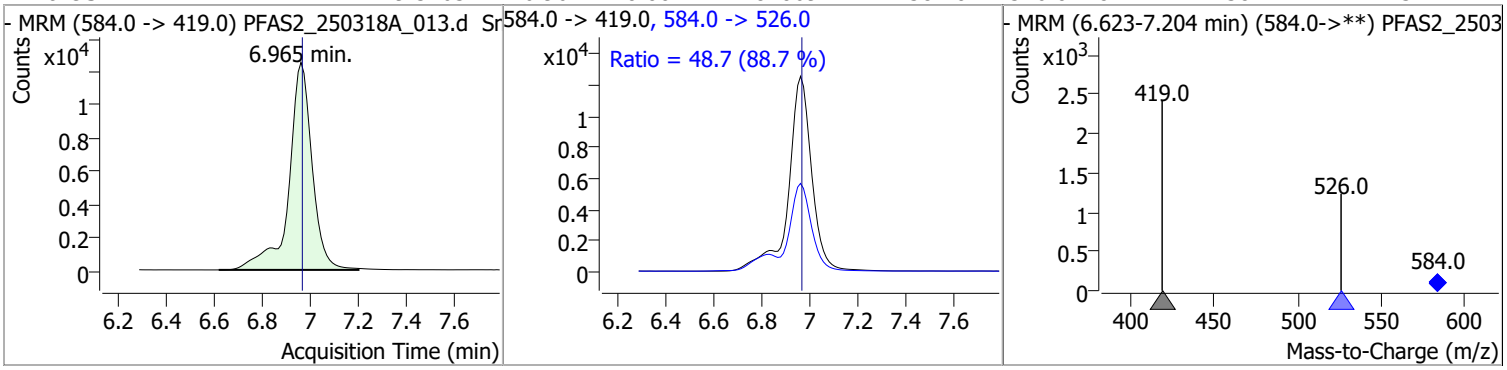
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.7560	6.78	0.00	92155	498.9 -> 99.0	51.0	34.4	64.0



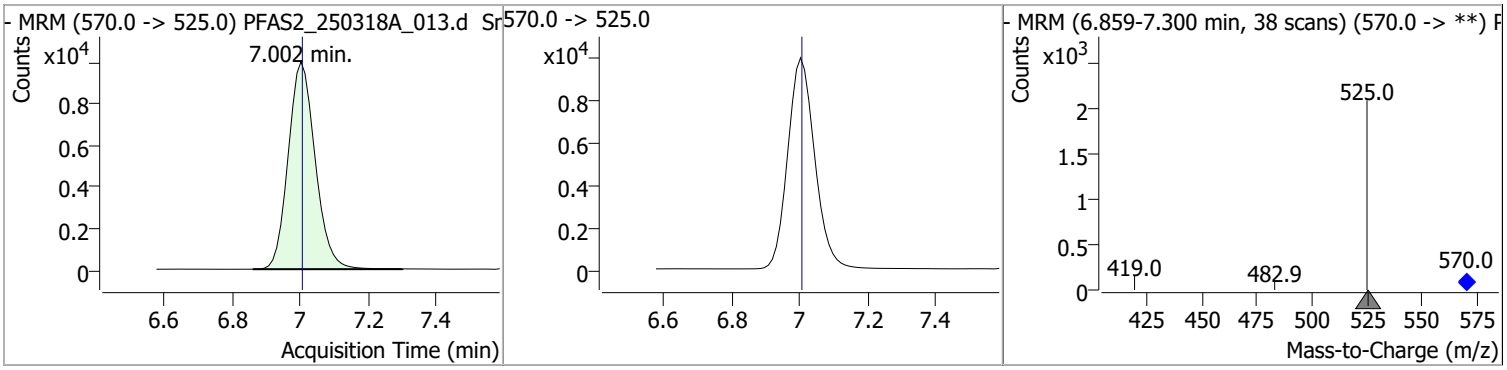
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.3381	6.95	0.00	46443				



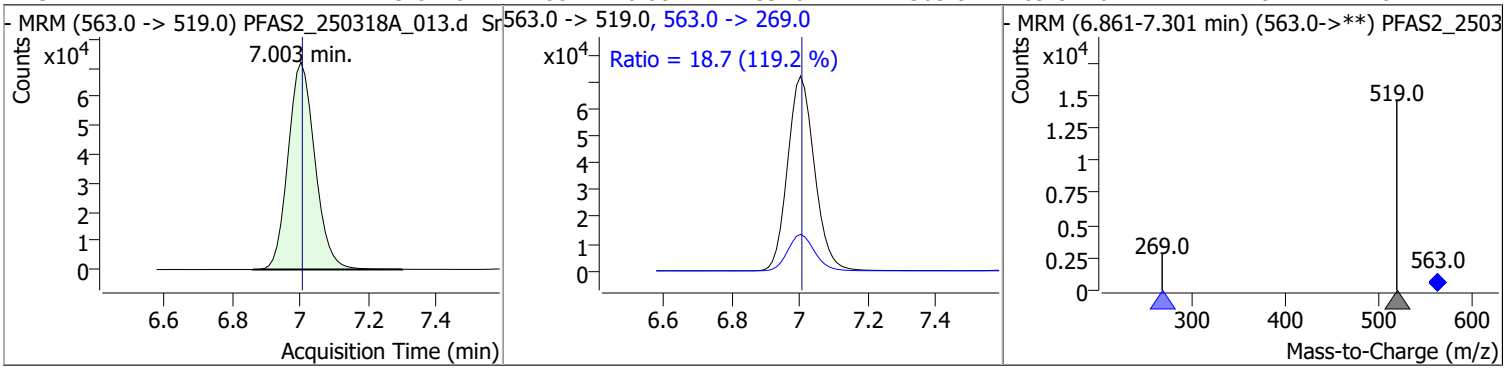
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.5763	6.96	0.00	84069	584.0 -> 526.0	48.7	38.4	71.3



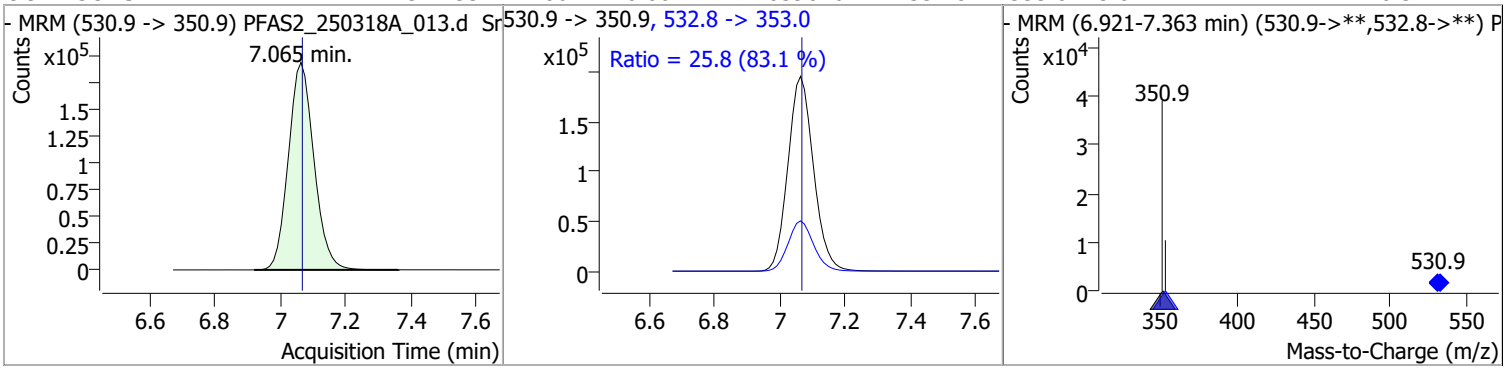
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2150	7.00	0.00	55030				



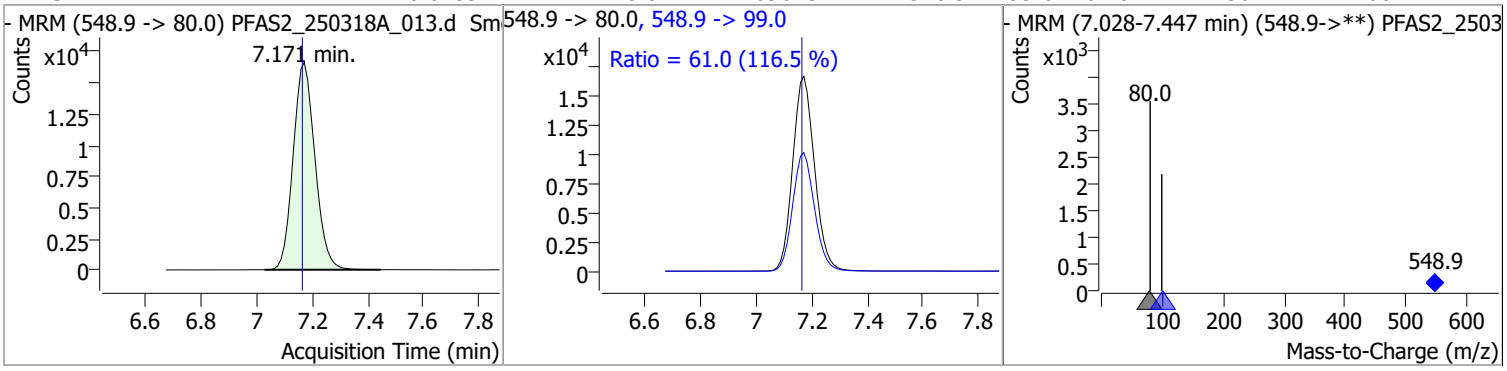
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6410	7.00	0.00	394642	563.0 -> 269.0	18.7	11.0	20.4



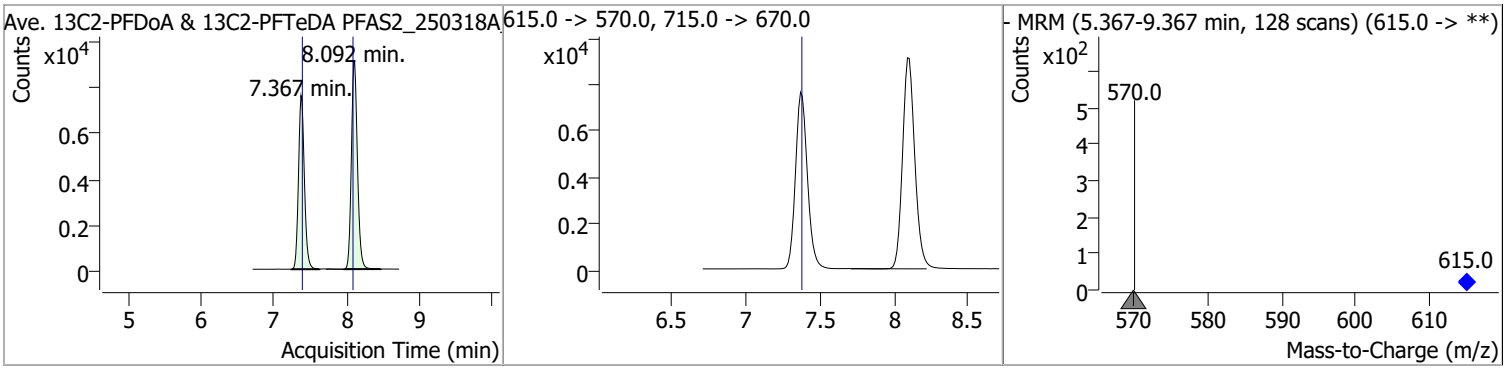
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	19.1153	7.06	0.00	1059076	532.8 -> 353.0	25.8	21.7	40.3



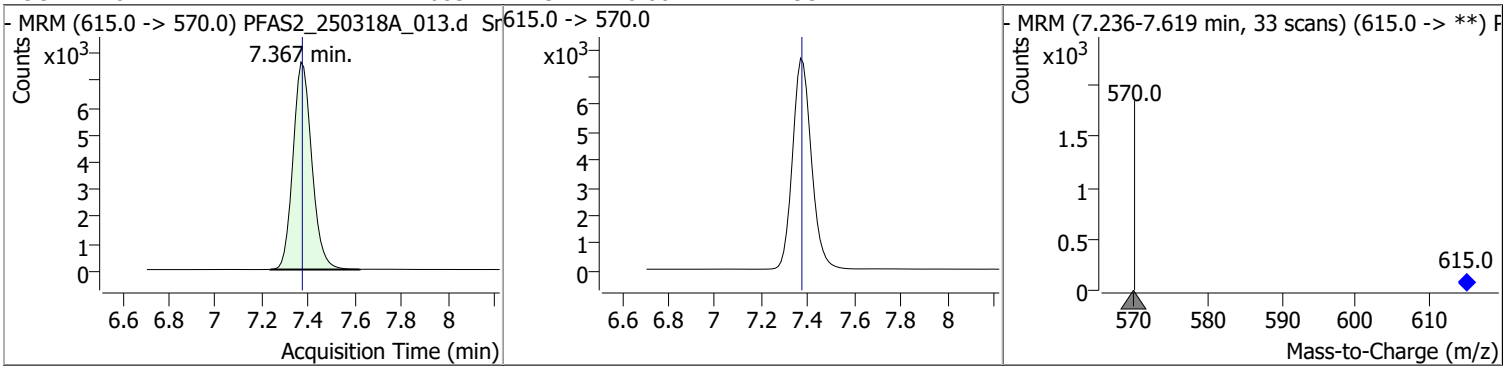
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	10.0459	7.17	0.01	89813	548.9 -> 99.0	61.0	36.7	68.1



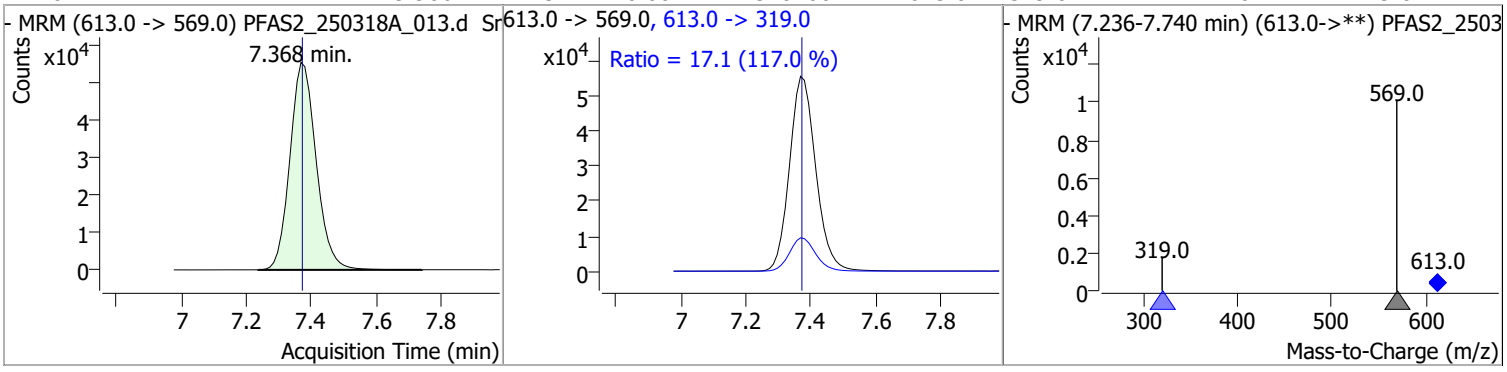
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2787	7.73	0.36	47736				



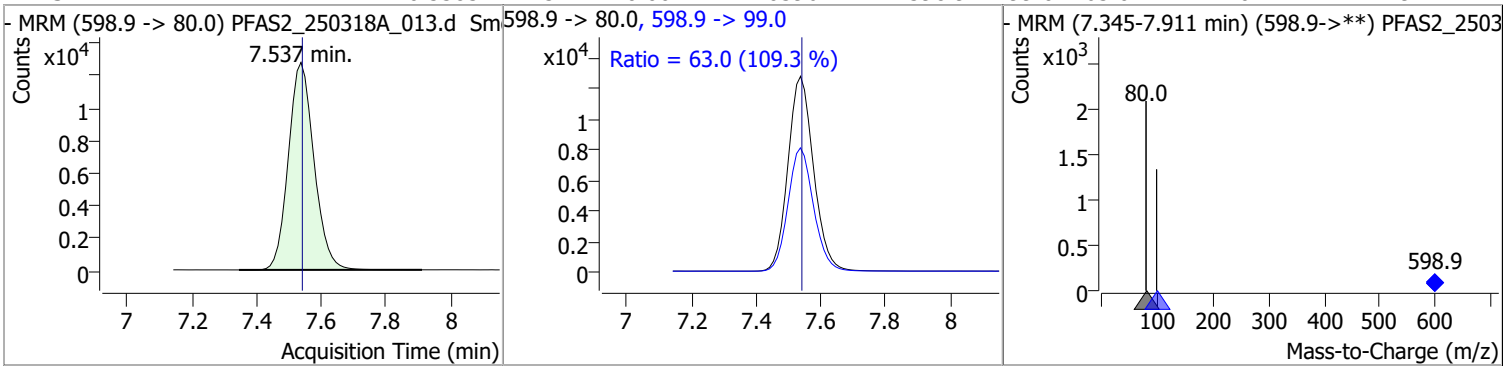
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2683	7.37	0.00	42795				



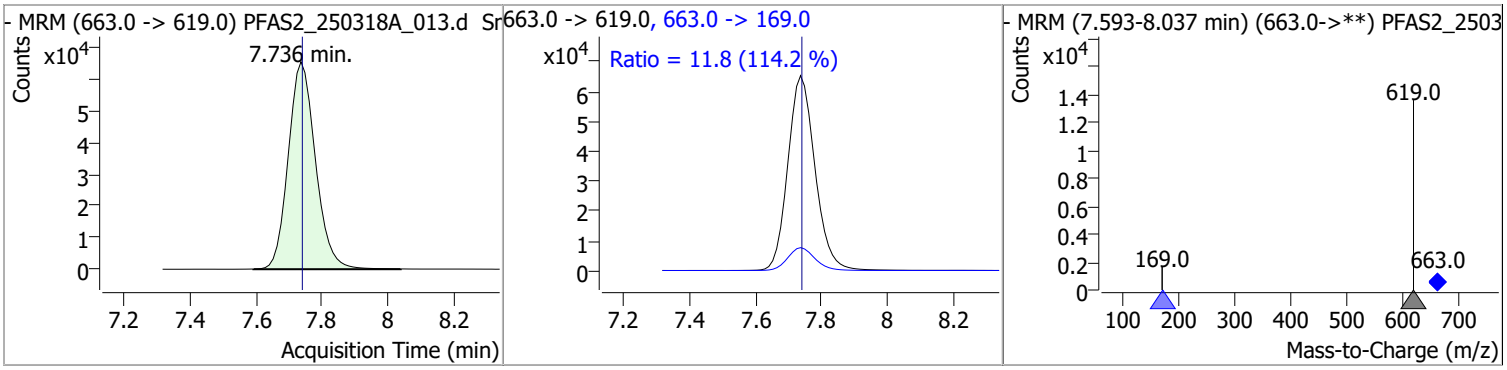
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.9061	7.37	0.00	310780	613.0 -> 319.0	17.1	10.2	19.0



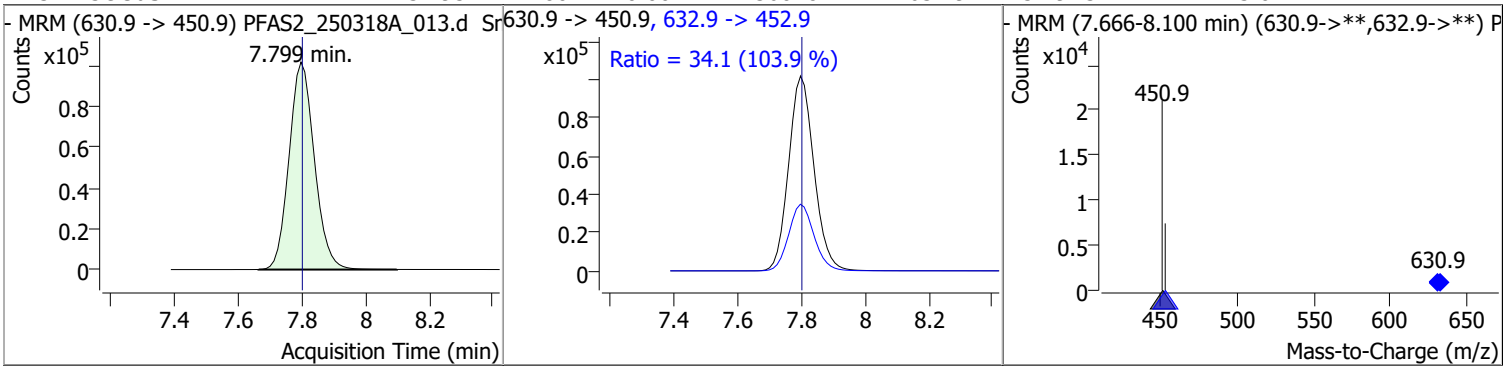
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.5383	7.54	0.00	70396	598.9 -> 99.0	63.0	40.4	74.9



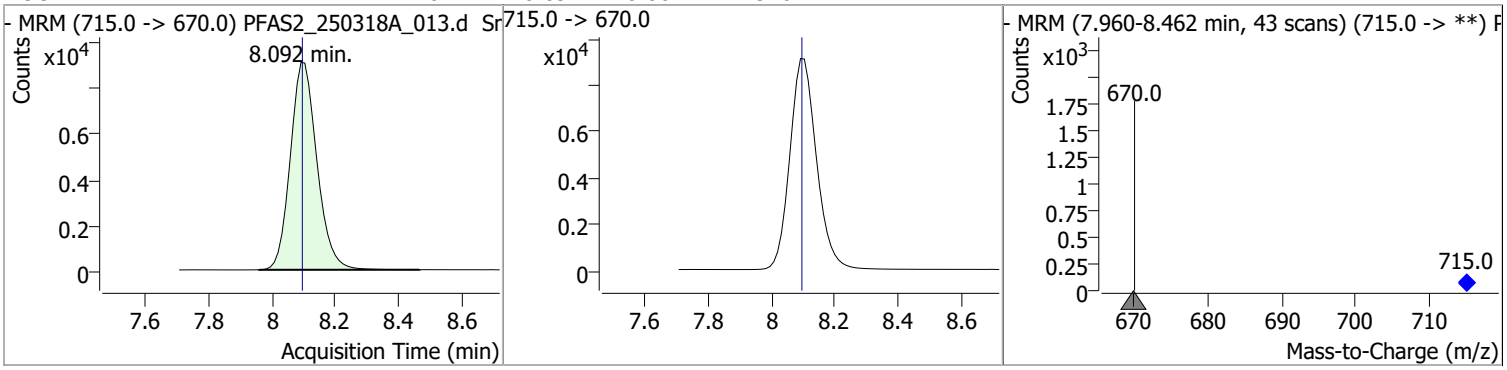
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.3349	7.74	0.00	371723	663.0 -> 169.0	11.8	7.2	13.4



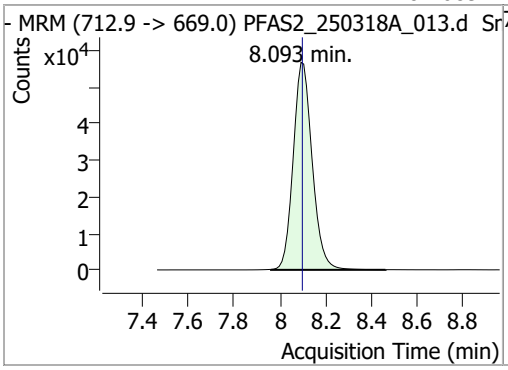
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	23.4952	7.80	0.00	560184	632.9 -> 452.9	34.1	23.0	42.7

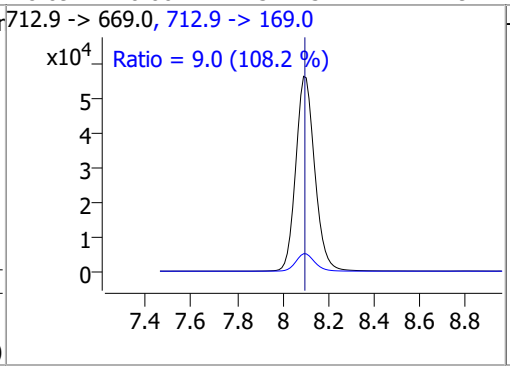


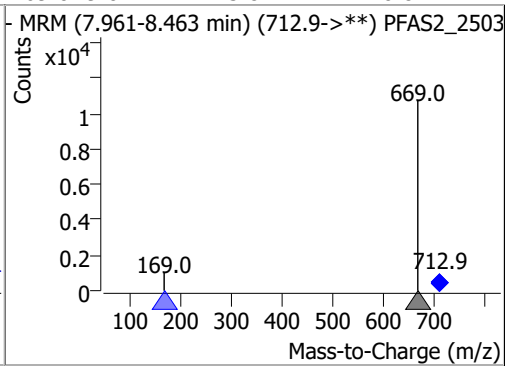
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2874	8.09	0.00	52677				



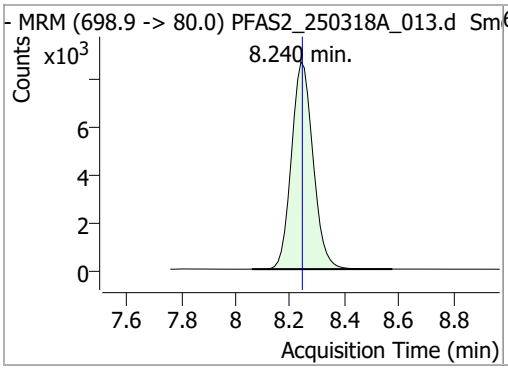
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.1689	8.09	0.00	327754	712.9 -> 169.0	9.0	5.8	10.8

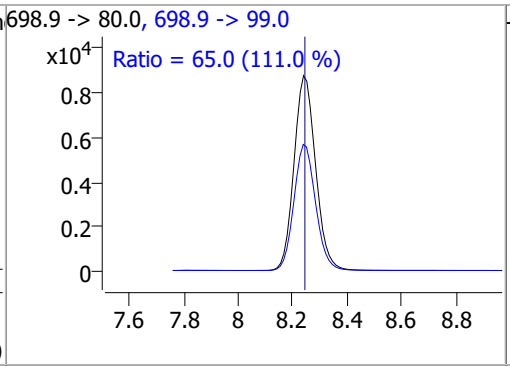


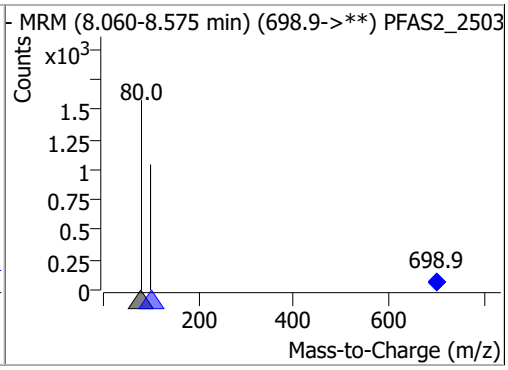




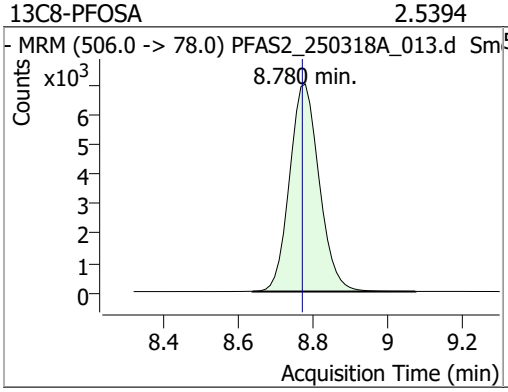
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	10.2925	8.24	0.00	48077	698.9 -> 99.0	65.0	41.0	76.1

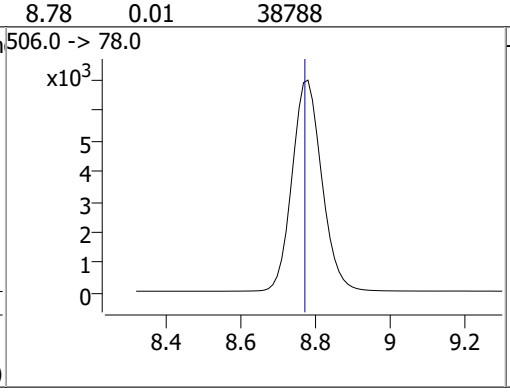


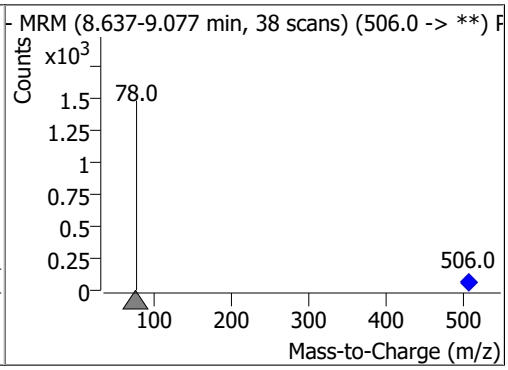




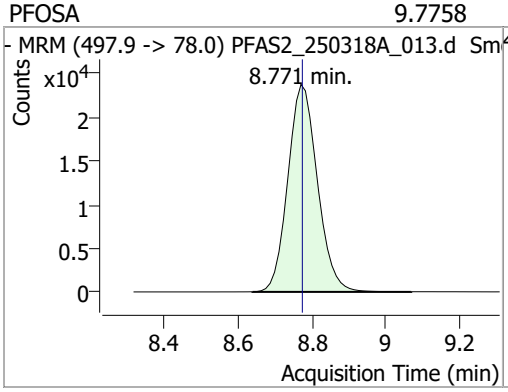
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5394	8.78	0.01	38788				

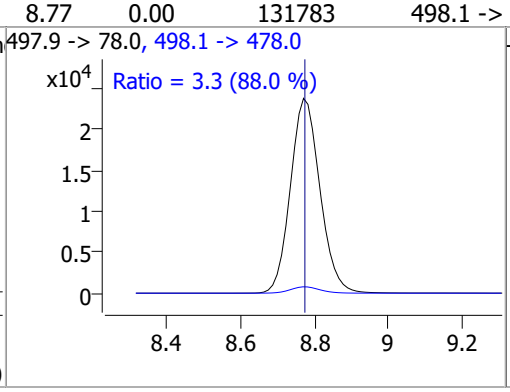


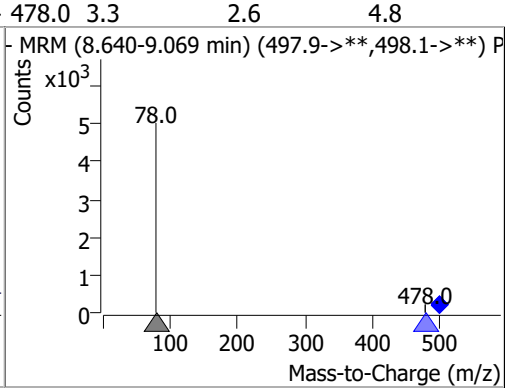




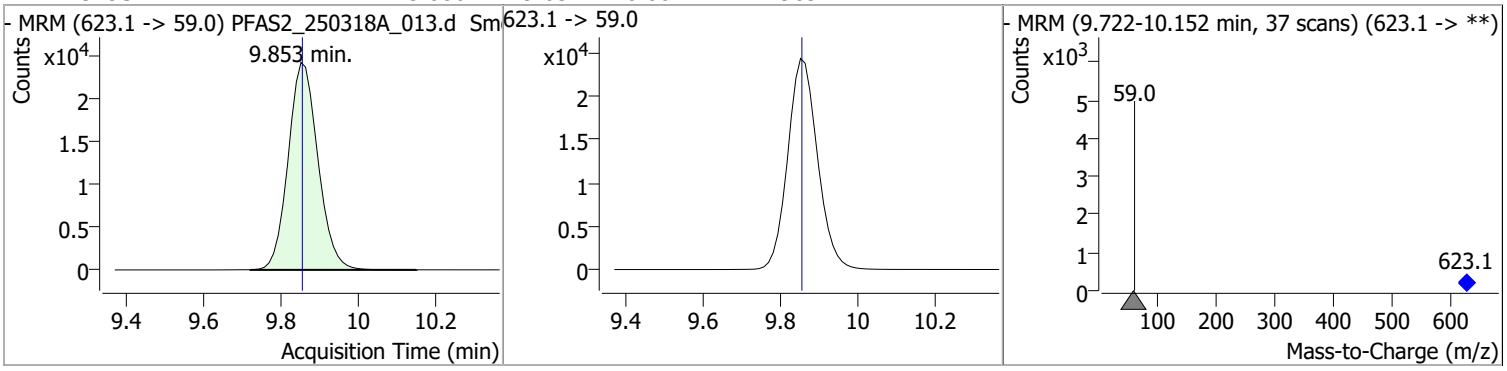
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.7758	8.77	0.00	131783	498.1 -> 478.0	3.3	2.6	4.8



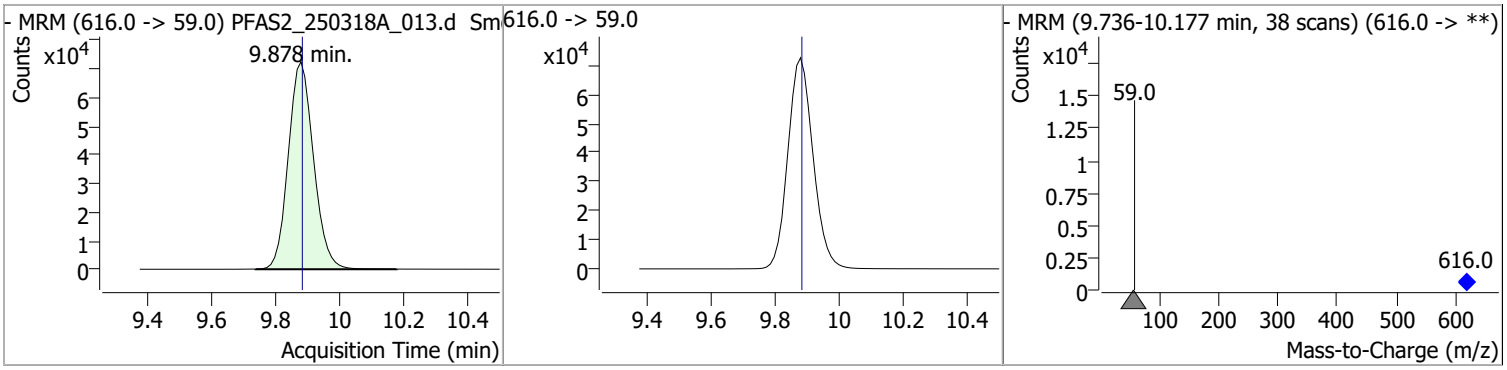




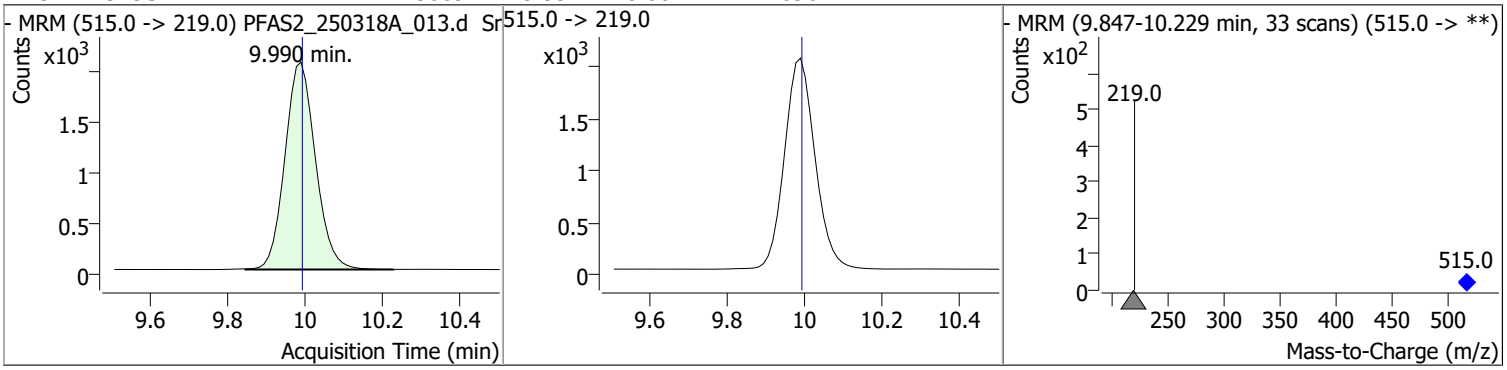
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.0862	9.85	0.00	129894				



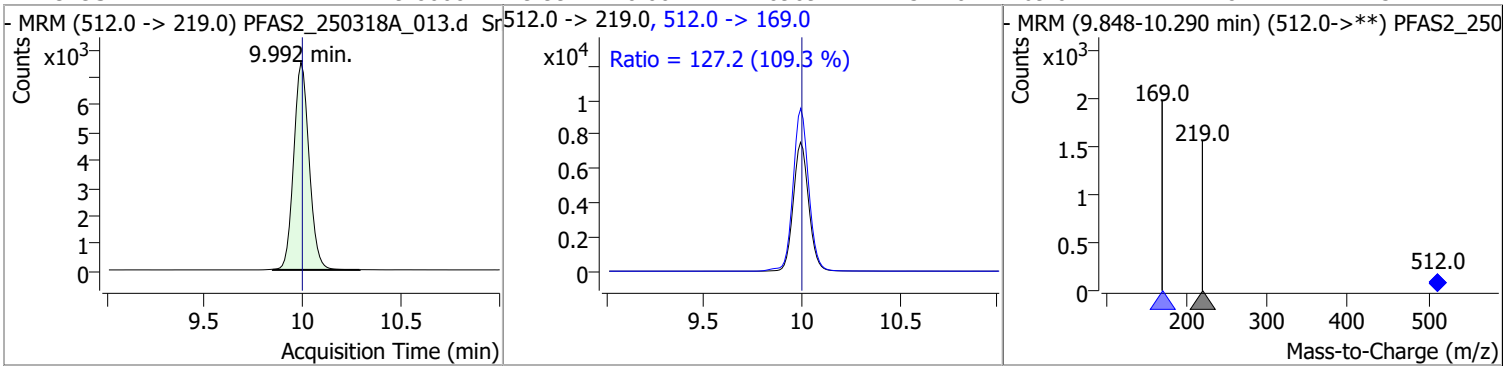
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	101.9219	9.88	0.00	396007				



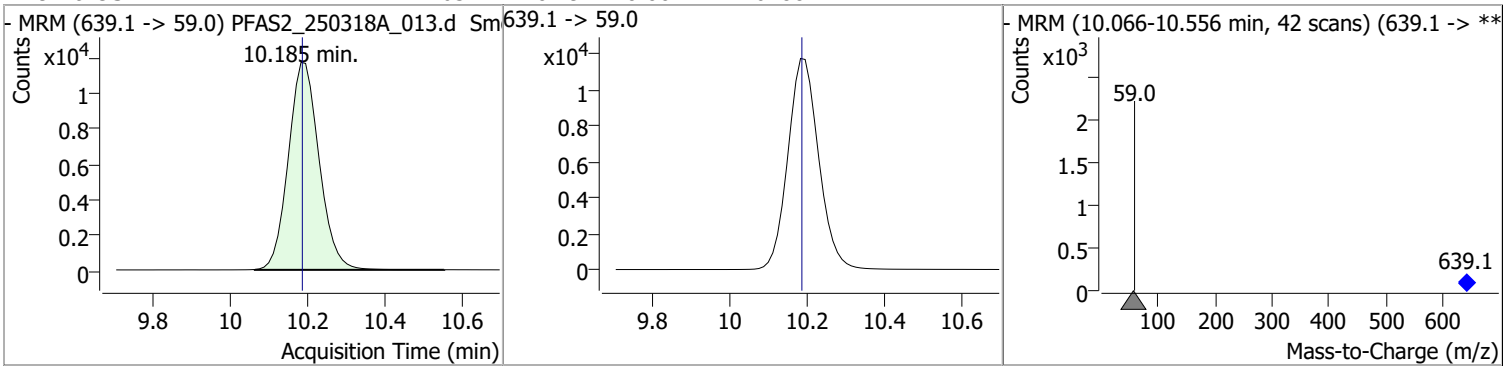
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5889	9.99	0.00	11098				



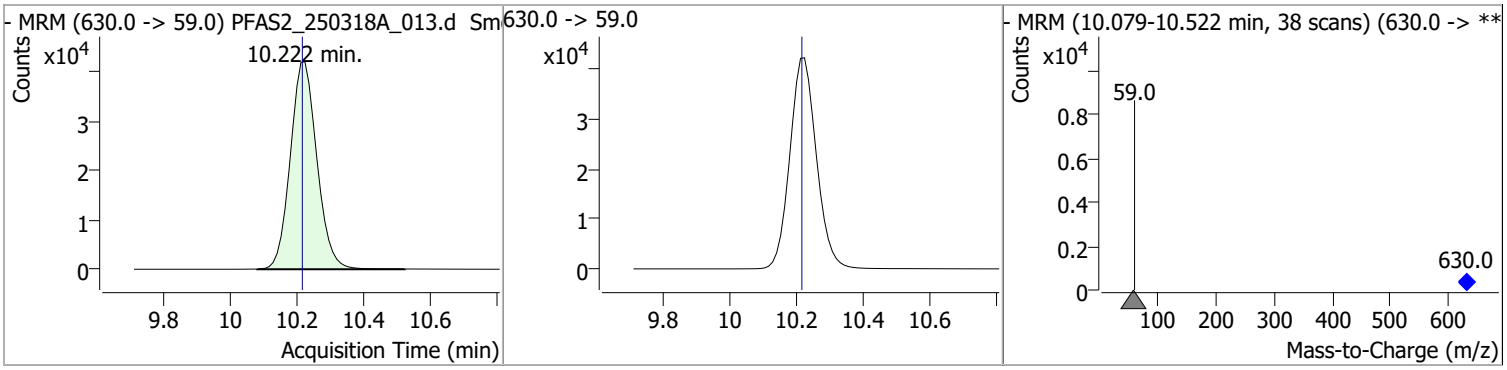
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8008	9.99	0.00	40909	512.0 -> 169.0	127.2	81.4	151.2



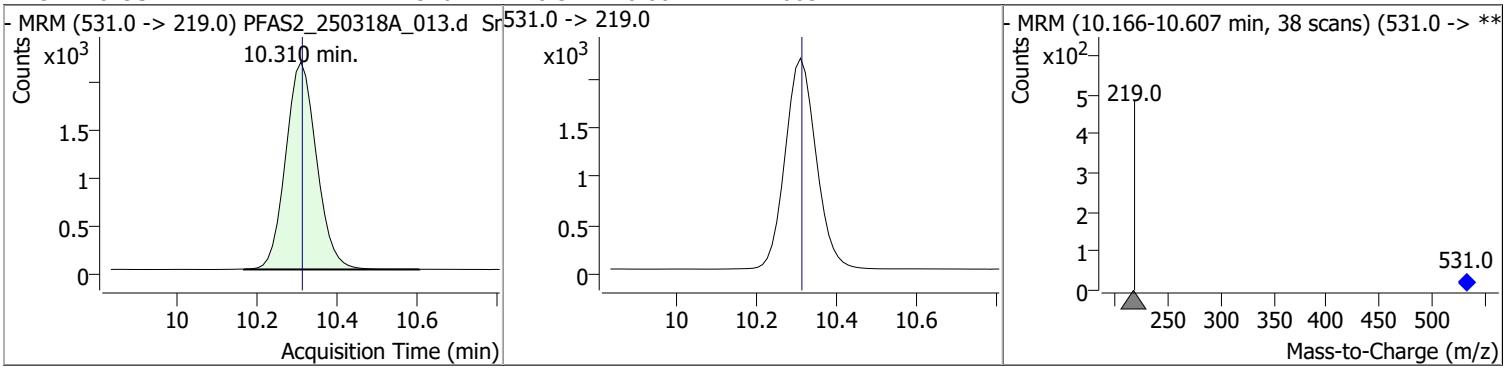
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.7631	10.19	0.00	64884				



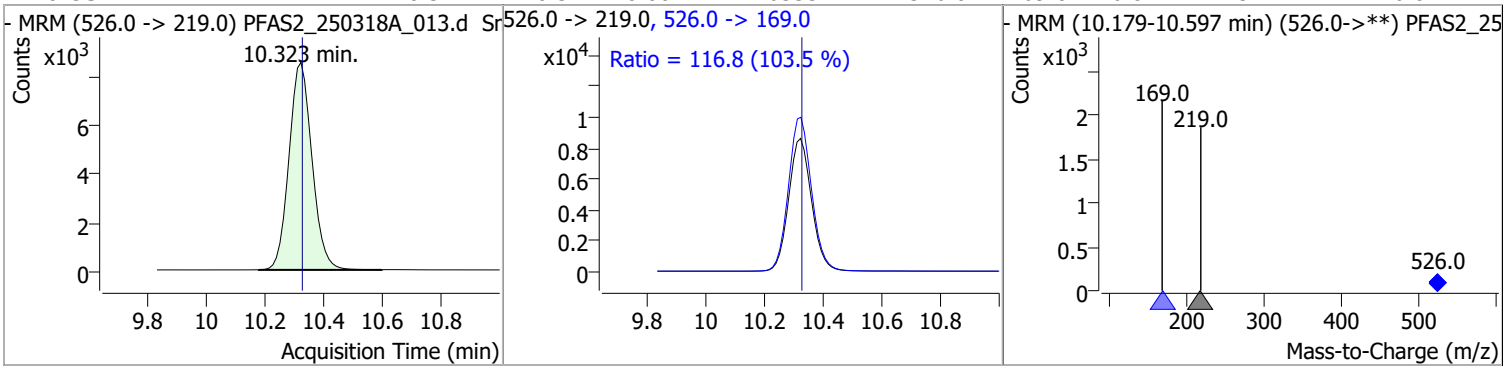
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	101.5729	10.22	0.01	233811				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5162	10.31	0.00	11663				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.3444	10.32	0.00	46535	526.0 -> 169.0	116.8	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_016.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-CCV1 ( )	Injection Time:	19:15

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
PFBA	40.0	38.8		29026.9			30
PFPeA	20.0	19.4		40344.08			30
PFHxA	10.0	9.91		63457.36			30
PFHpA	10.0	9.60		74740.17			30
PFOA	10.0	9.42		71249.23			30
PFNA	10.0	9.68		56779.63			30
PFDA	10.0	10.6		54054.65			30
PFUnA	10.0	10.1		43530.7			30
PFDoA	10.0	10.3		31742.12			30
PFTrDA	10.0	10.3		36662.29			30
PFTeDA	10.0	9.98		31714.14			30
PFBS	8.85	9.00		7359.912696035			30
PFPeS	9.40	10.3		1906.340425531			30
PFHxS	9.15	9.32		4659.353589141			30
PFHpS	9.55	9.32		1027.802201864			30
PFOS	9.30	8.54		10024.56451612			30
PFNS	9.60	9.93		591.0416666666			30
PFDS	9.65	10.4		486.3204677388			30
PFDoS	9.70	10.2		105.4633911893			30
4:2FTS	37.5	37.8		15614.432			30
6:2FTS	38.0	37.4		0351.165789473			30
8:2FTS	38.4	37.8		516.1276041666			30
PFOSA	10.0	9.82		13330.92			30
NMeFOSA	10.0	9.99		3892.591			30
NEtFOSA	10.0	10.2		4661.052			30
NMeFOSAA	10.0	9.57		10363.95			30
NEtFOSAA	10.0	9.62		8483.014			30
NMeFOSE	100	99.7		3998.59			30
NEtFOSE	100	100		2442.087			30
HFPO-DA	20.0	21.1		17352.87			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_016.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-CCV1 ( )	Injection Time:	19:15

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	18.4		06506.98412698			30
9CL-PF3ONS	18.7	18.6		6644.812834224			30
11CL-PF3OUdS	18.9	21.7		8118.857142857			30
3:3FTCA	40.0	38.5		738.16			30
5:3FTCA	200	198		5022.24			30
7:3FTCA	200	199		3850.0115			30
PFEESA	17.8	18.4		1364.831460674			30
PFMPA	20.0	19.2		20841.36			30
PFMBA	20.0	19.0		29929.445			30
NFDHA	20.0	20.9		1376.032			30
13C4-PFBA	10.0	9.94		.2479679163533			30
13C5-PFPeA	5.00	4.94		7333587746953			30
13C5-PFHxA	2.50	2.41		.1666948020755			30
13C4-PFHpA	2.50	2.43		.3132670293635			30
13C8-PFOA	2.50	2.44		2.391158697432			30
13C9-PFNA	1.25	1.15		.0558397487559			30
13C6-PFDA	1.25	1.20		.0318010824156			30
13C7-PFUnA	1.25	1.28		86555858170468			30
13C2-PFDoA	1.25	1.25		6313702274974			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.26		.70411374187044			30
13C2-PFTeDA	1.25	1.27		7768572562433			30
13C3-PFBS	2.50	2.43		2.1885595680054			30
13C3-PFHxS	2.50	2.40		.2482011474856			30
13C8-PFOS	2.50	2.53		.0908676677162			30
13C2-4:2FTS	5.00	4.60		42994262571717			30
13C2-6:2FTS	5.00	4.69		.25709905501181			30
13C2-8:2FTS	5.00	4.86		.2141346608167			30
13C8-PFOSA	2.50	2.48		1.567751500550			30
D3-NMeFOSA	2.50	2.35		.4159838196264			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_016.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-CCV1 ( )	Injection Time:	19:15

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.48		47534584625192			30
D3-NMeFOSAA	5.00	5.15		.2288422465764			30
D5-NEtFOSAA	5.00	5.20		93663141996989			30
D7-NMeFOSE	25.0	25.1		53841092383975			30
D9-NEtFOSE	25.0	25.5		27609697465072			30
13C3-HFPO-DA	10.0	9.63		30176545888634			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_016.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:50:15 PM
Sample Name	SEQ-CCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

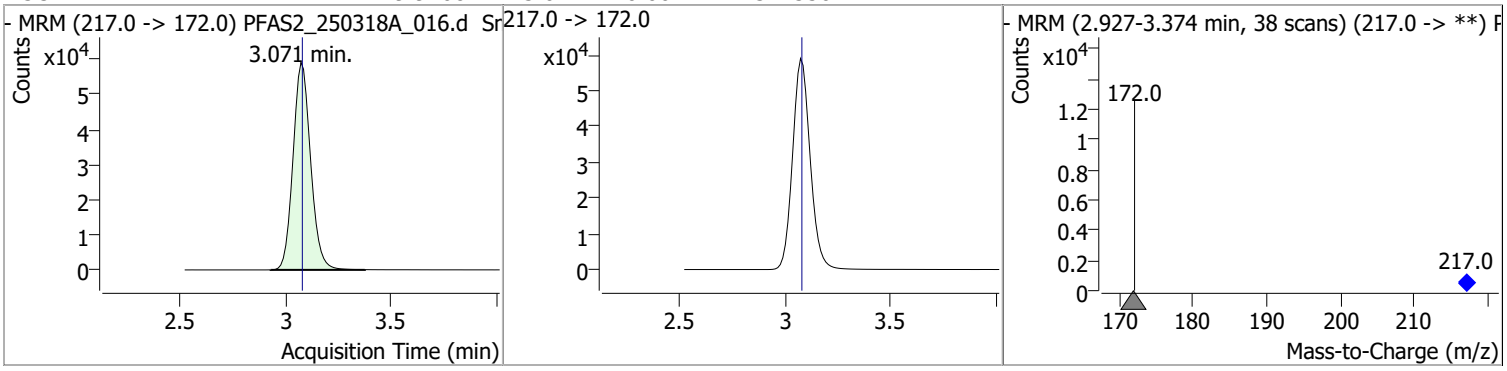
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	151195	5.0000	µg/L		10.488
13C2-PFHxA	4.890	315.0 -> 270.0	168748	2.5000	µg/L		9.988
18O2-PFHxS	5.967	403.0 -> 84.0	32641	2.5000	µg/L		10.161
13C4-PFOA	5.835	417.0 -> 172.0	17520	2.5000	µg/L		13.410
13C5-PFNA	6.226	468.0 -> 423.0	82515	1.2500	µg/L		15.938
13C2-PFDA	6.615	515.0 -> 470.0	70498	1.2500	µg/L		5.415
13C4-PFOS	6.783	503.0 -> 80.0	26472	2.5000	µg/L		6.273
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	341550	10.0000	µg/L		9.883
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.41%			
13C5-PFPeA	4.222	268.0 -> 223.0	225031	5.0000	µg/L		8.753
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.88%			
13C5-PFPeA	4.222	268.0 -> 223.0	225031	5.0000	µg/L		8.753
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.88%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25478	5.0000	µg/L		0.846
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 91.92%			
13C5-PFHxA	4.889	318.0 -> 273.0	179000	2.5000	µg/L		6.015
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%			
13C5-PFHxA	4.889	318.0 -> 273.0	179000	2.5000	µg/L		6.015
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%			
13C3-PFBS	4.929	302.0 -> 80.0	64847	2.5000	µg/L		6.791
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.04%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	185193	10.0000	µg/L		5.964
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.34%			
13C4-PFHpA	5.397	367.0 -> 322.0	201488	2.5000	µg/L		6.671
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.02%			
13C3-PFHxS	5.956	402.0 -> 80.0	36984	2.5000	µg/L		5.824
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.09%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15236	5.0000	µg/L		3.163
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.75%			
13C8-PFOA	5.835	421.0 -> 376.0	191418	2.5000	µg/L		10.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.73%			
13C3-PFHxS	5.956	402.0 -> 80.0	36984	2.5000	µg/L		5.824
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.09%			
13C9-PFNA	6.225	472.0 -> 427.0	75146	1.2500	µg/L		6.645
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.94%			
13C8-PFOS	6.782	507.0 -> 80.0	27173	2.5000	µg/L		7.471
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.17%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	12690	5.0000	µg/L	#	7.125
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.12%			
13C6-PFDA	6.615	519.0 -> 474.0	69003	1.2500	µg/L		1.535
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.23%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	61219	5.0000	µg/L		9.675
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.08%			
13C8-PFOS	6.782	507.0 -> 80.0	27173	2.5000	µg/L		7.471

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.17%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46661	5.0000	µg/L	10.652
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.07%		
13C7-PFUnDA	7.002	570.0 -> 525.0	57885	1.2500	µg/L	7.989
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.43%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	47089	1.2500	µg/L	6.740
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.09%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42224	1.2500	µg/L	5.704
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.28%		
13C2-PFTDA	8.092	715.0 -> 670.0	51953	1.2500	µg/L	7.597
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.76%		
13C8-PFOSA	8.768	506.0 -> 78.0	39051	2.5000	µg/L	5.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%		
2H7-MeFOSE	9.853	623.1 -> 59.0	134114	25.0000	µg/L	6.741
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.52%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10362	2.5000	µg/L	-0.072
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.81%		
2H9-EtFOSE	10.185	639.1 -> 59.0	68774	25.0000	µg/L	8.289
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.86%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11840	2.5000	µg/L	5.341
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.13%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1161076	38.7990	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.00%		
PFMPA	3.614	229.0 -> 85.0	416827	19.2280	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.14%		
3-3 FTCA	3.778	241.0 -> 177.0	29526	38.4686	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.17%		
PFPeA	4.223	263.0 -> 219.0	806882	19.3726	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.86%		
PFMBA	4.465	279.0 -> 85.0	598589	18.9516	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.76%		
4-2 FTSA	4.698	327.0 -> 307.0	585541	37.8139	µg/L	98
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 100.84%		
NFDHA	4.823	295.0 -> 201.0	27521	20.9047	µg/L	93
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 104.52%		
PFHxA	4.892	313.0 -> 269.0	634574	9.9072	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%		
PFBS	4.930	298.9 -> 80.0	242135	8.9988	µg/L	93
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 101.45%		
HFPO-DA	5.087	285.0 -> 169.0	347057	21.1226	µg/L	91
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 105.61%		
PFEESA	5.201	314.9 -> 135.0	1626294	18.4123	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 103.44%		
PFHpA	5.398	363.0 -> 319.0	747402	9.6030	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.03%		
5-3 FTCA	5.458	341.0 -> 237.0	1004448	198.4507	µg/L	93
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.23%		
PFPeS	5.494	348.9 -> 80.0	205920	10.3118	µg/L	92
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 109.58%		
DONA	5.551	377.0 -> 251.0	2012982	18.4378	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 97.55%		
6-2 FTSA	5.654	427.0 -> 407.0	393344	37.4479	µg/L	92
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 98.55%		

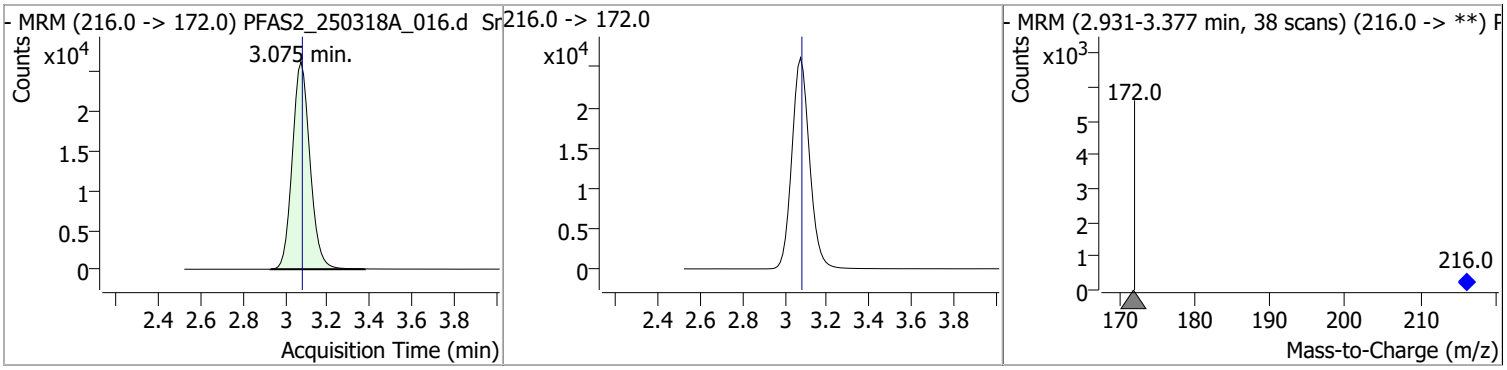
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFOA	5.836	413.0 -> 369.0	712492	9.4189	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.19%			
PFHxS	5.957	398.9 -> 80.0	134133	9.3243	µg/L		92
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 102.02%			
PFNA	6.226	463.0 -> 419.0	567796	9.6841	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.84%			
PFHpS	6.382	448.9 -> 80.0	105316	9.3182	µg/L		91
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.78%			
8-2 FTSA	6.436	527.0 -> 507.0	211819	37.8471	µg/L	#	76
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 98.56%			
7-3 FTCA	6.597	441.0 -> 317.0	770002	199.1177	µg/L		94
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.56%			
PFDA	6.615	513.0 -> 469.0	540546	10.5831	µg/L		94
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 105.83%			
N-MeFOSAA	6.754	570.0 -> 419.0	103640	9.5749	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.75%			
PFOS	6.784	498.9 -> 80.0	93228	8.5444	µg/L		96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 92.07%			
N-EtFOSAA	6.965	584.0 -> 419.0	84830	9.6177	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.18%			
PFUnDA	7.003	563.0 -> 519.0	435307	10.1091	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.09%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1059258	18.5698	µg/L		93
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 99.30%			
PFNS	7.159	548.9 -> 80.0	92074	9.9332	µg/L		90
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 103.26%			
PFDoDA	7.368	613.0 -> 569.0	317421	10.2547	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.55%			
PFDS	7.537	598.9 -> 80.0	72243	10.4310	µg/L		96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 108.09%			
PFTrDA	7.736	663.0 -> 619.0	366623	10.3332	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.33%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	531446	21.6652	µg/L		95
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 114.63%			
PFTDA	8.093	712.9 -> 669.0	317141	9.9767	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.77%			
PFDoS	8.240	698.9 -> 80.0	49523	10.2257	µg/L		97
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 105.42%			
PFOSA	8.771	497.9 -> 78.0	133309	9.8223	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.22%			
MeFOSE	9.878	616.0 -> 59.0	399859	99.6587	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.66%			
N-MeFOSA	9.992	512.0 -> 219.0	38926	9.9880	µg/L		90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.88%			
EtFOSE	10.210	630.0 -> 59.0	244209	100.0720	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 100.07%			
N-EtFOSA	10.323	526.0 -> 219.0	46611	10.2058	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.06%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

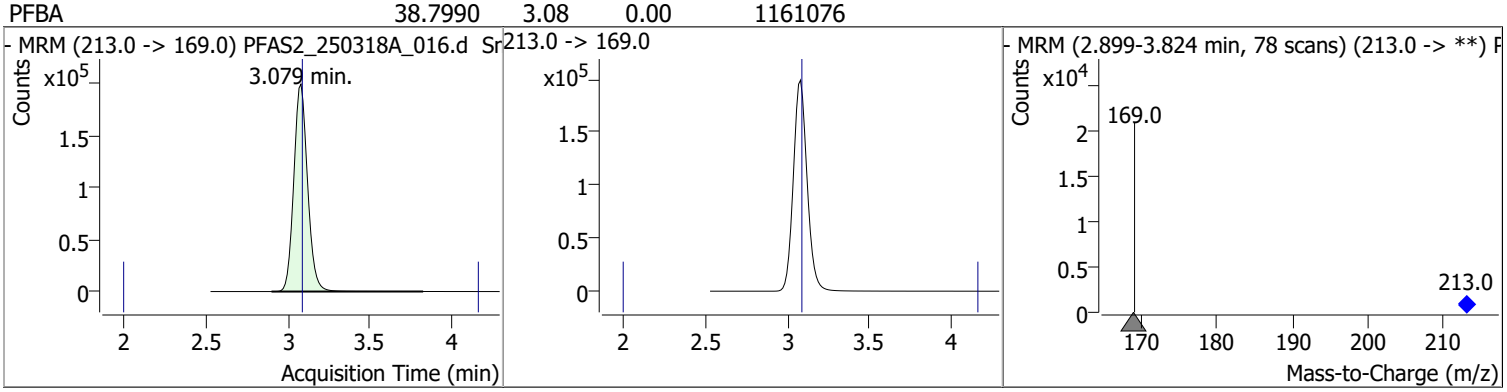
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9408	3.07	0.00	341550				



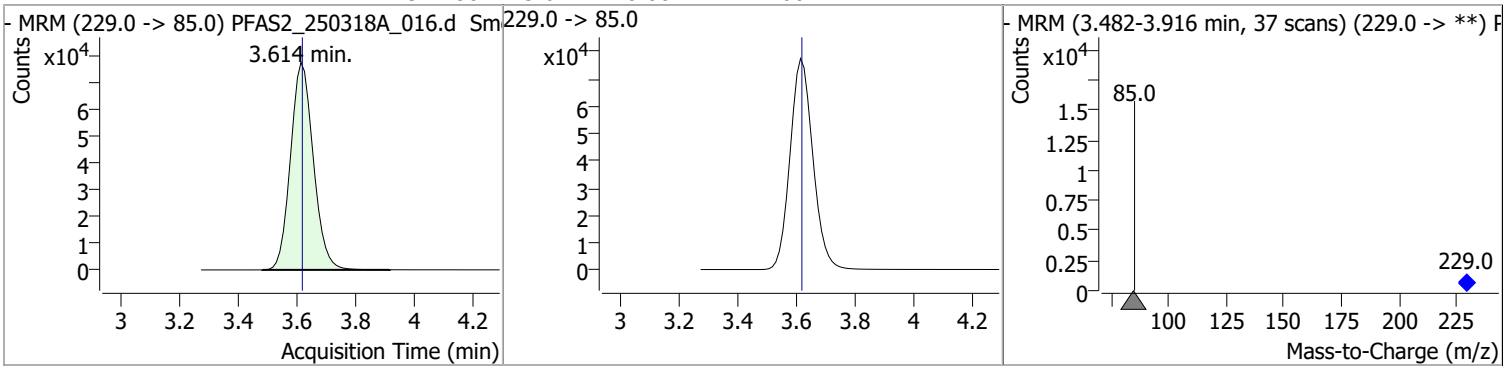
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	151195				



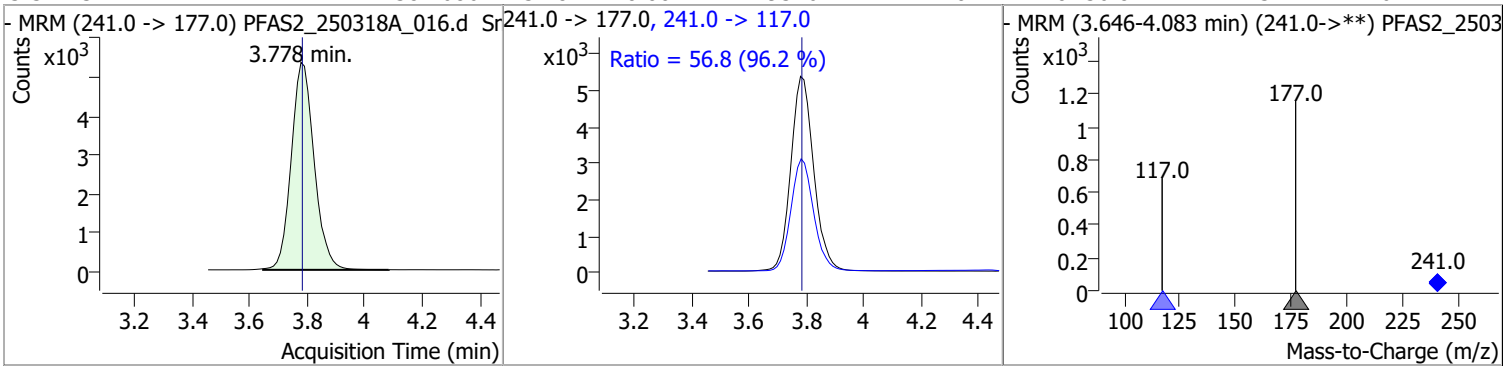
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.7990	3.08	0.00	1161076				



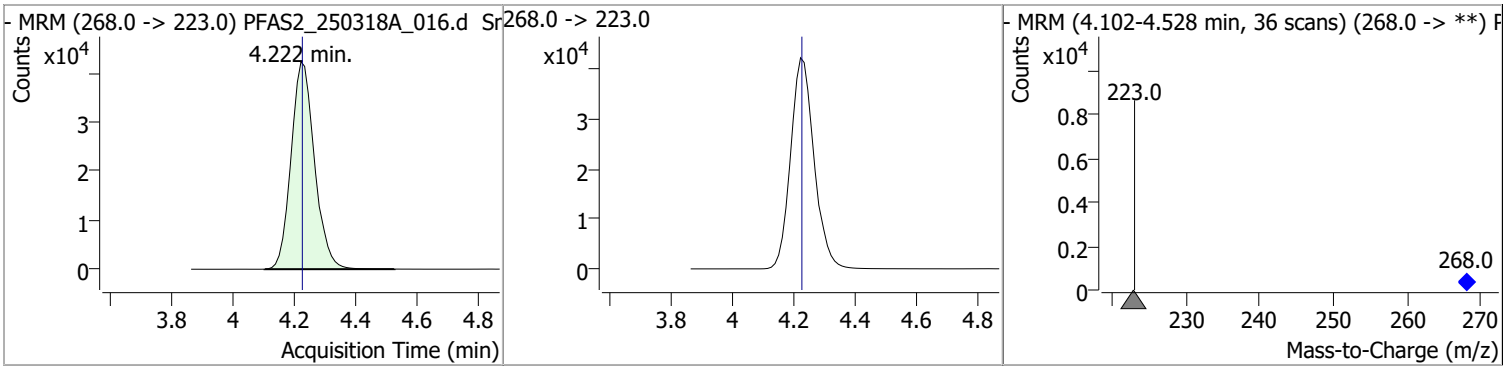
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.2280	3.61	0.00	416827				



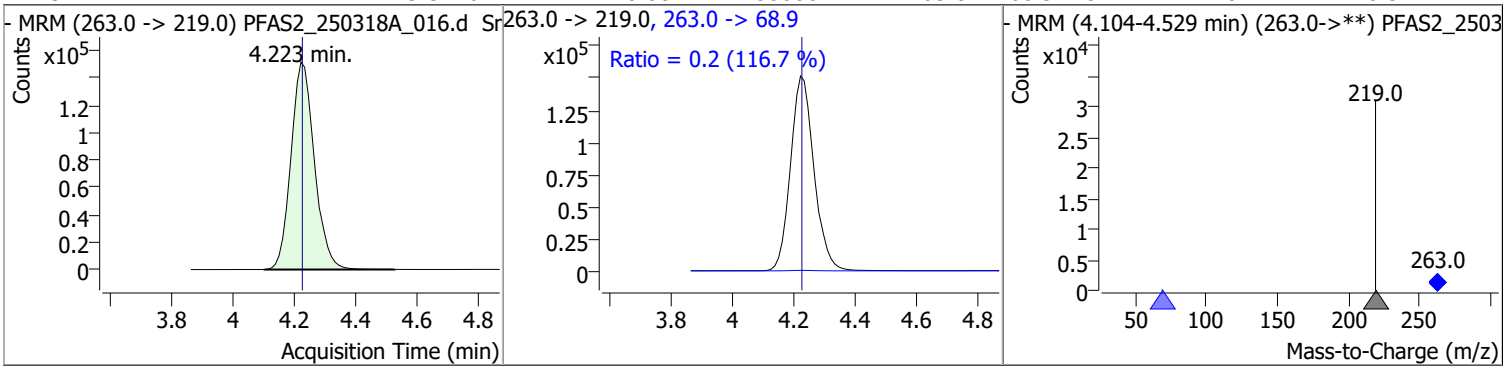
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	38.4686	3.78	0.00	29526	241.0 -> 117.0	56.8	41.3	76.7



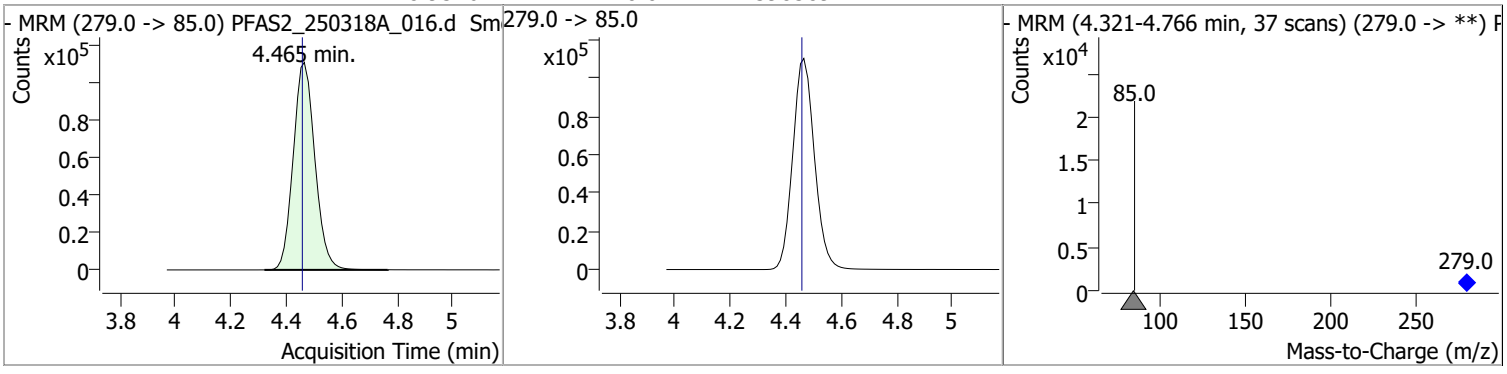
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9442	4.22	0.00	225031				



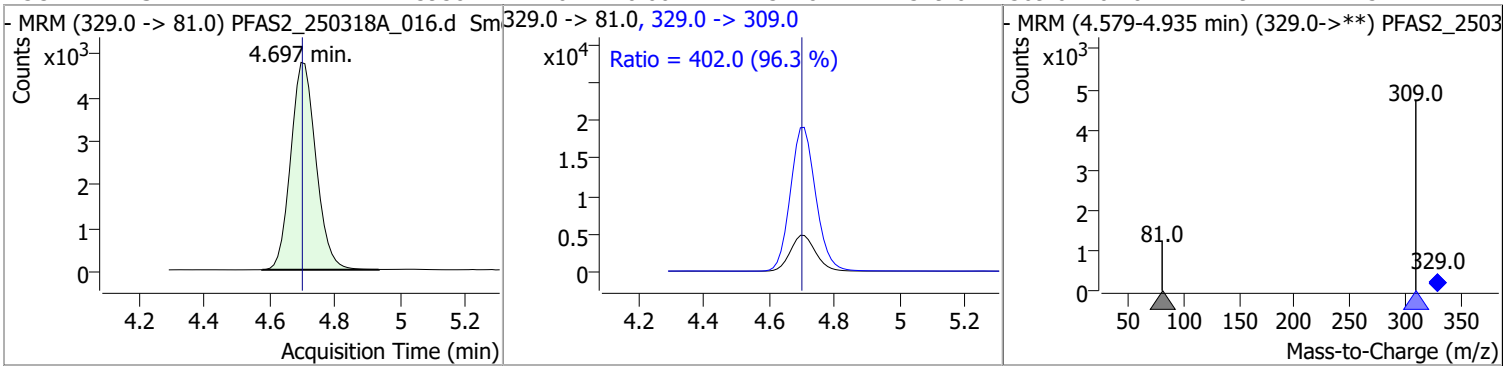
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.3726	4.22	0.00	806882	263.0 -> 68.9	0.2	0.1	0.3



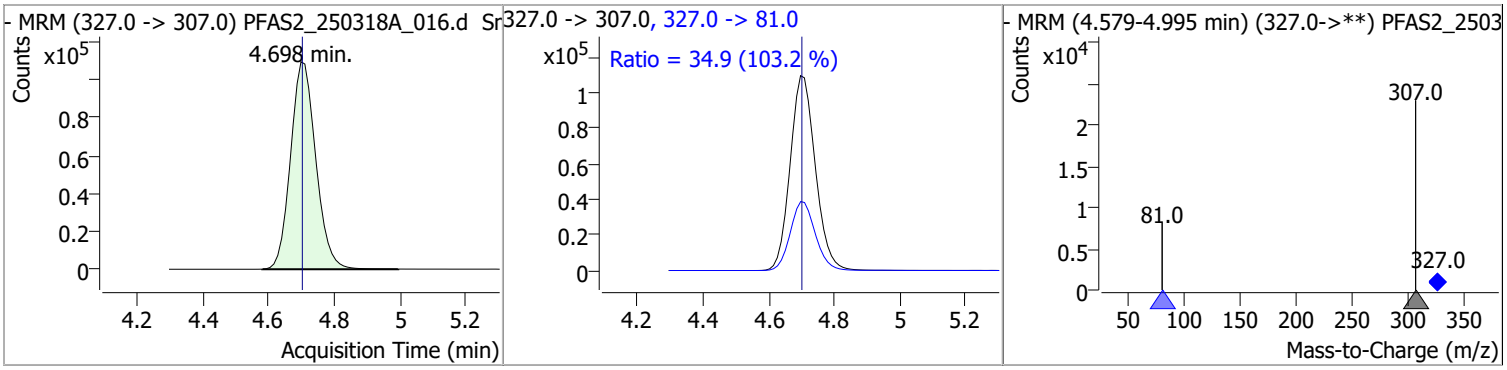
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.9516	4.47	0.01	598589				



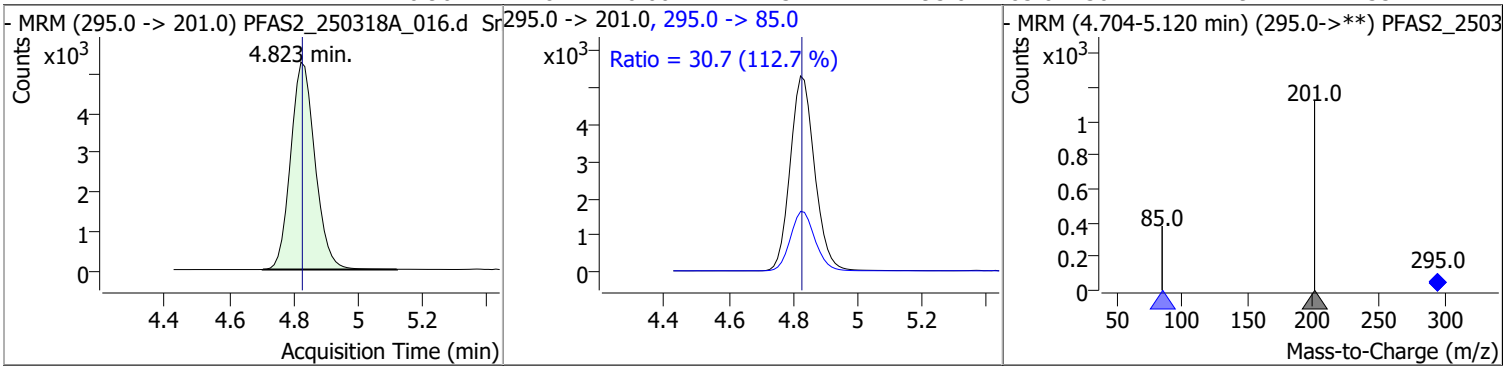
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.5958	4.70	0.00	25478	329.0 -> 309.0	402.0	292.1	542.4



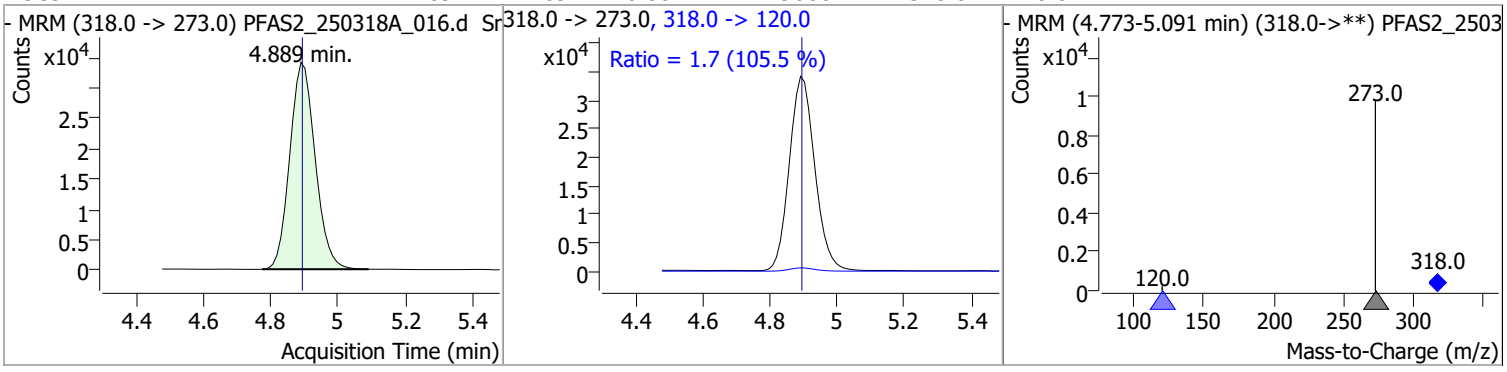
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	37.8139	4.70	0.00	585541	327.0 -> 81.0	34.9	23.6	43.9



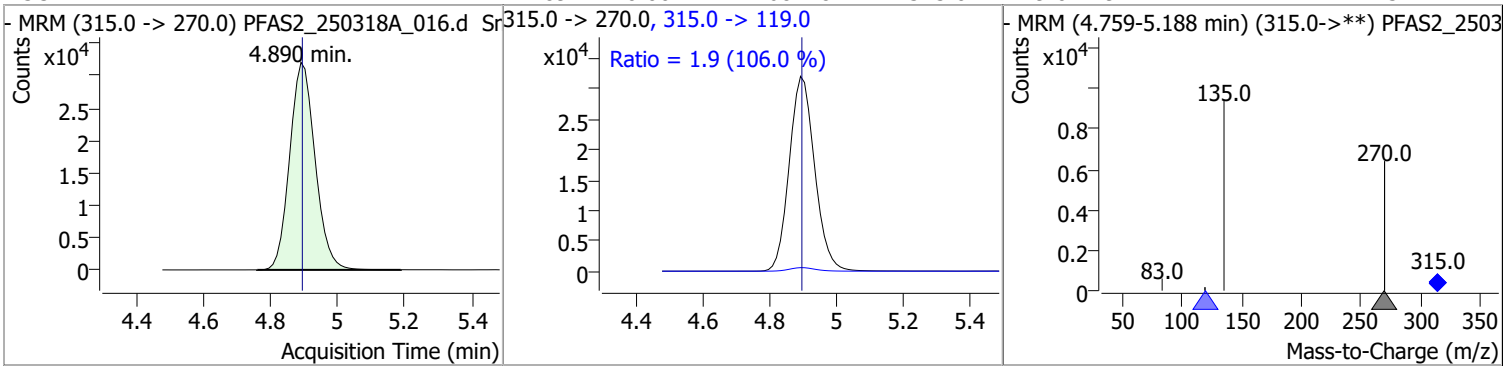
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	20.9047	4.82	0.00	27521	295.0 -> 85.0	30.7	19.1	35.4



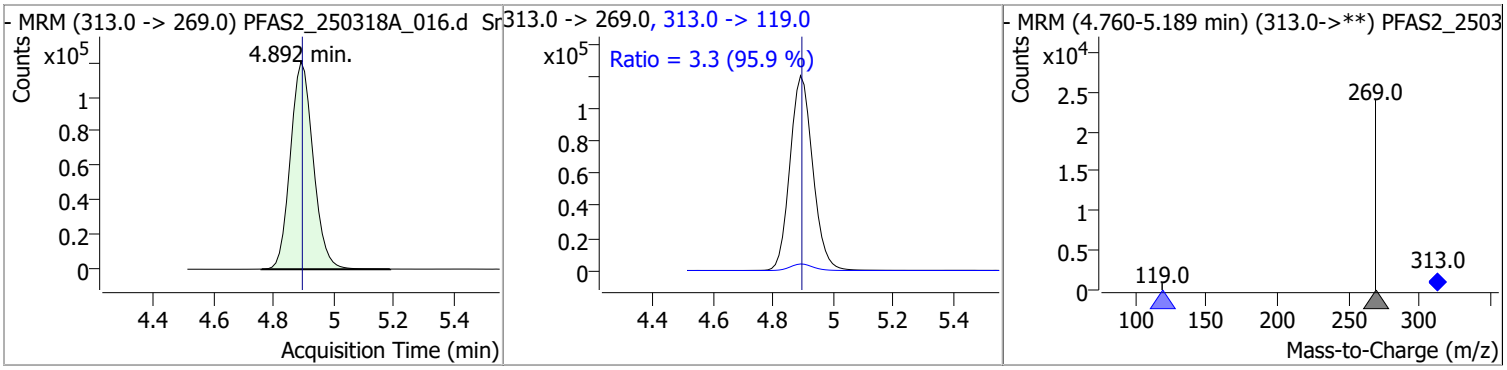
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4092	4.89	0.00	179000	318.0 -> 120.0	1.7	1.1	2.1



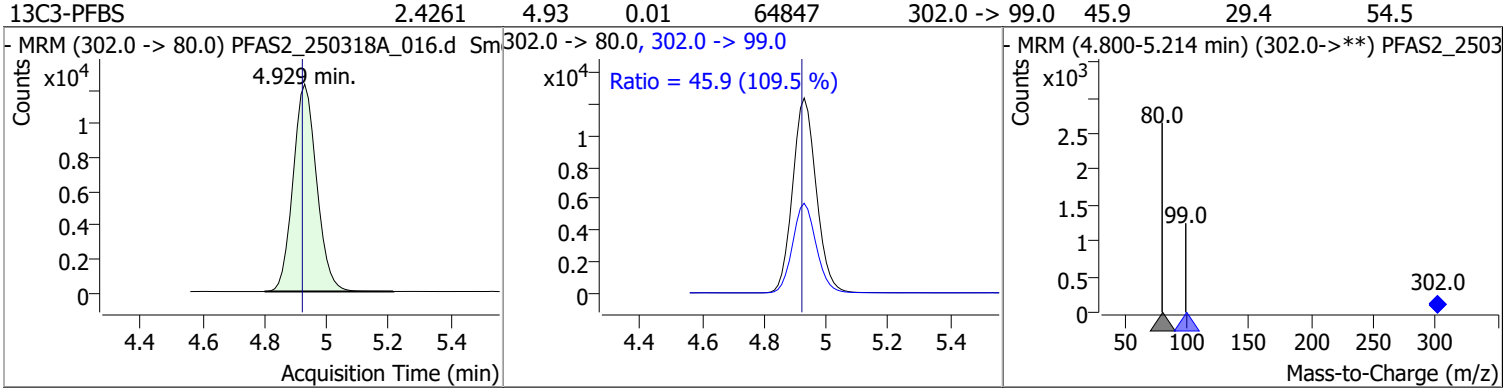
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	168748	315.0 -> 119.0	1.9	1.2	2.3



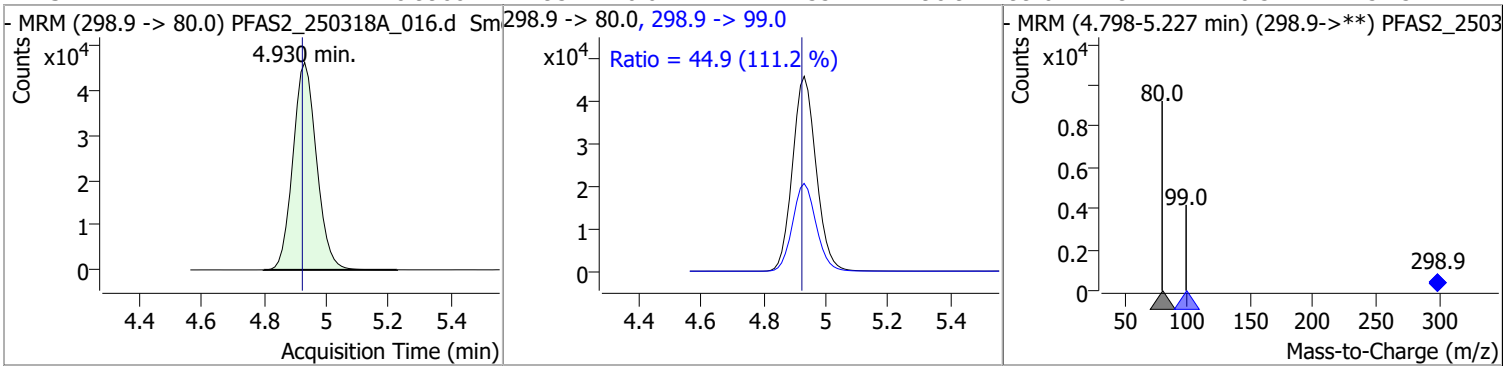
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.9072	4.89	0.00	634574	313.0 -> 119.0	3.3	2.4	4.5



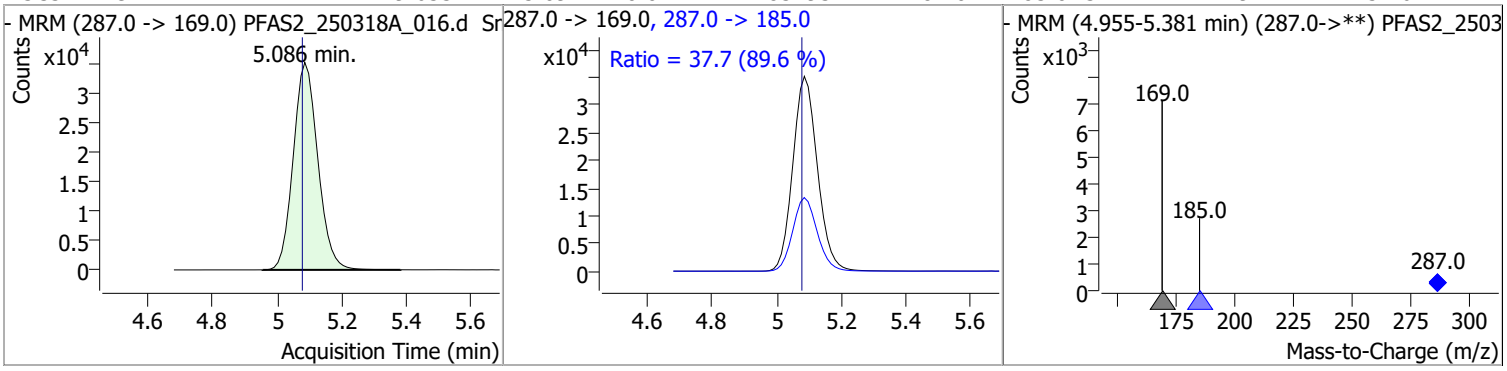
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4261	4.93	0.01	64847	302.0 -> 99.0	45.9	29.4	54.5



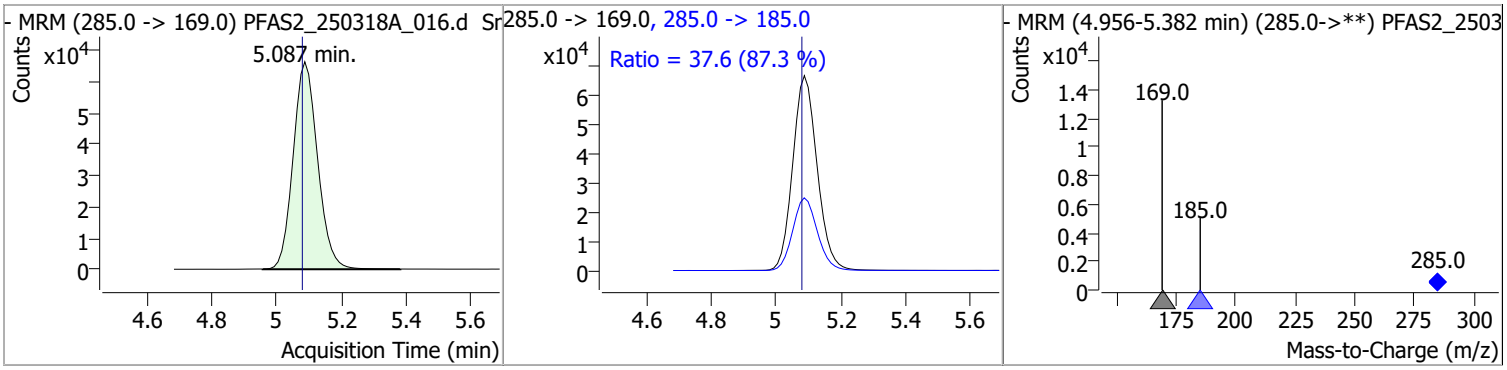
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.9988	4.93	0.01	242135	298.9 -> 99.0	44.9	28.3	52.5



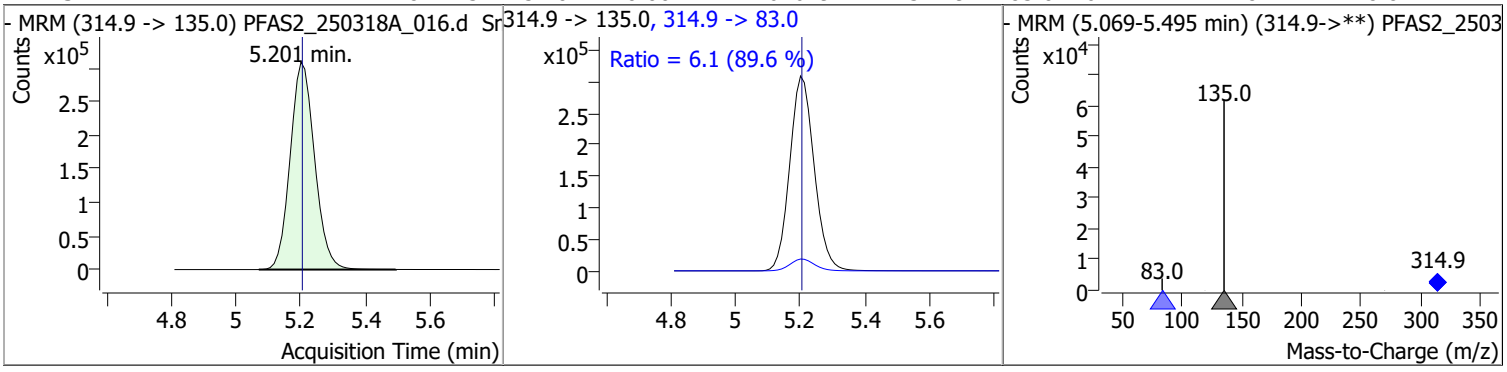
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6337	5.09	0.01	185193	287.0 -> 185.0	37.7	29.4	54.6



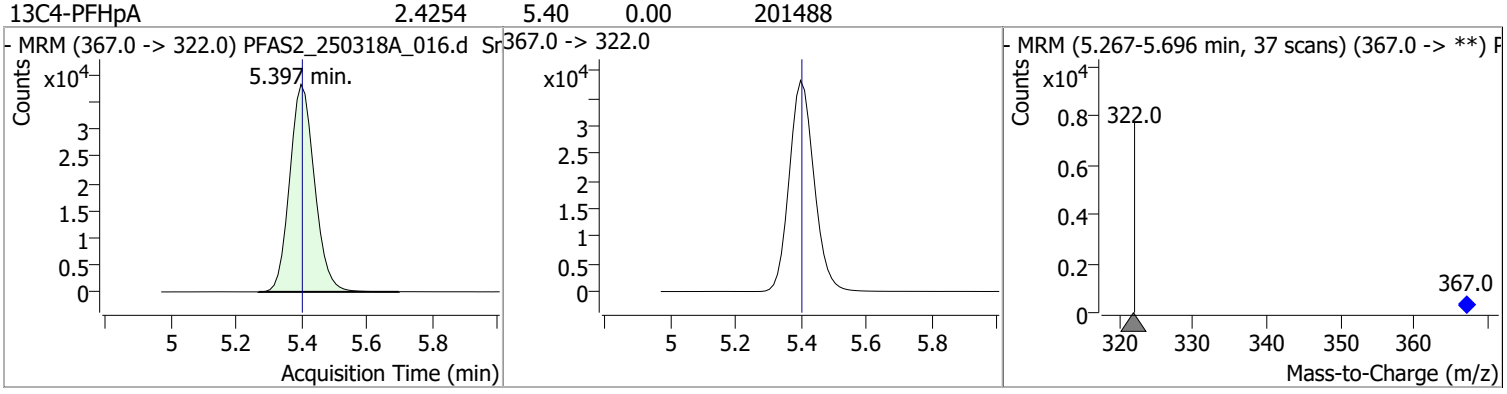
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	21.1226	5.09	0.01	347057	285.0 -> 185.0	37.6	30.1	56.0



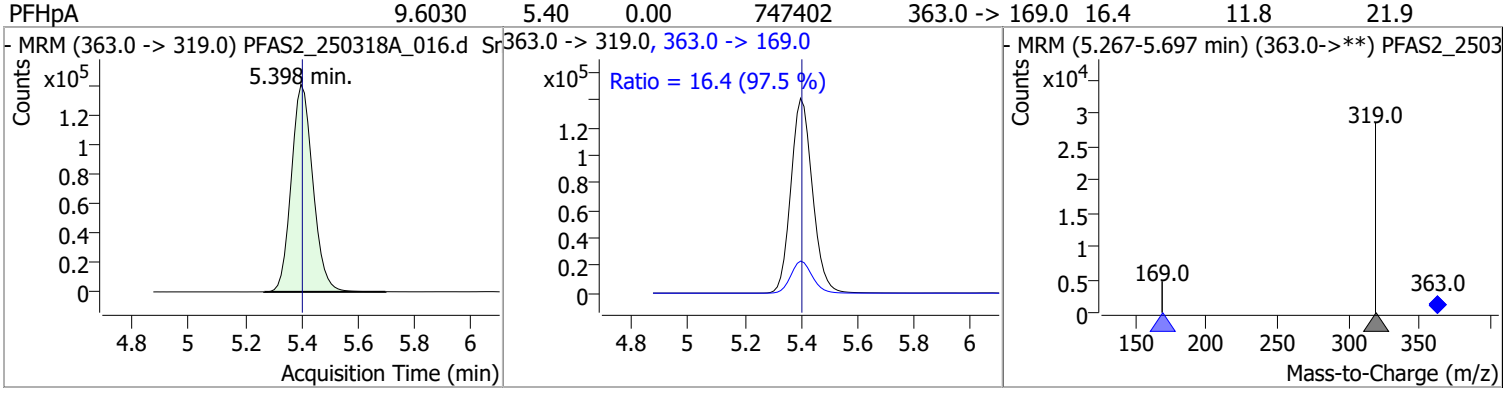
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	18.4123	5.20	0.00	1626294	314.9 -> 83.0	6.1	4.8	8.8



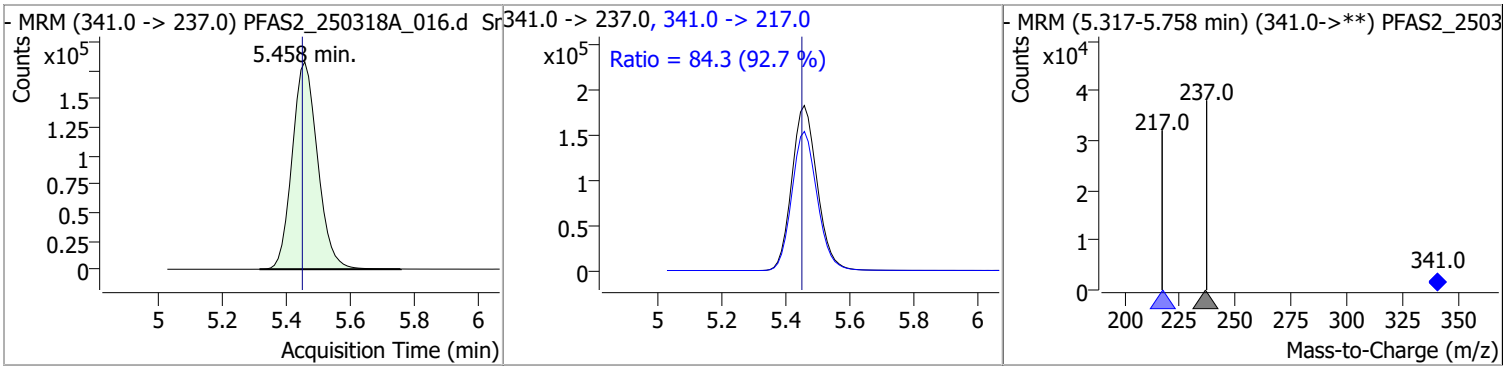
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4254	5.40	0.00	201488				



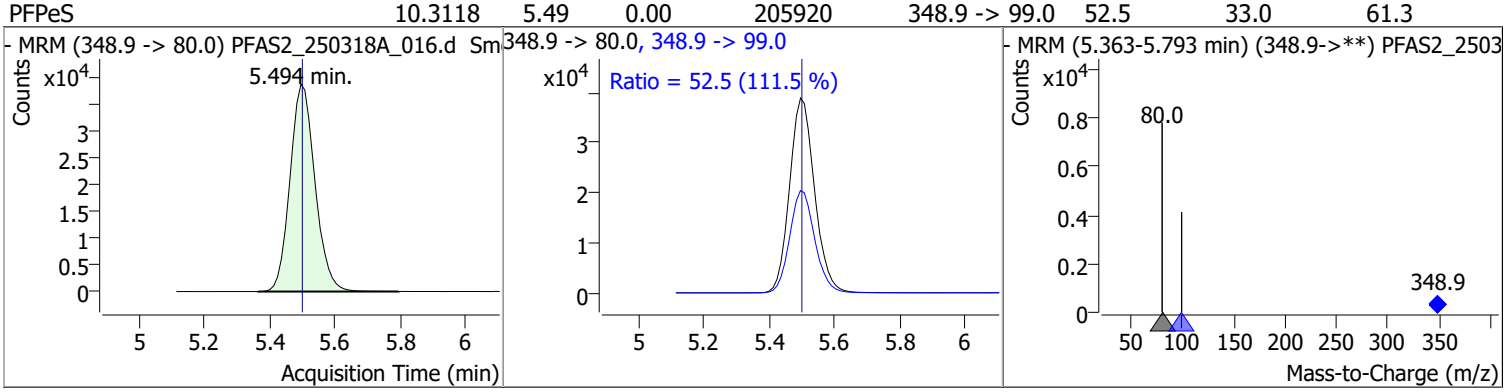
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6030	5.40	0.00	747402	363.0 -> 169.0	16.4	11.8	21.9



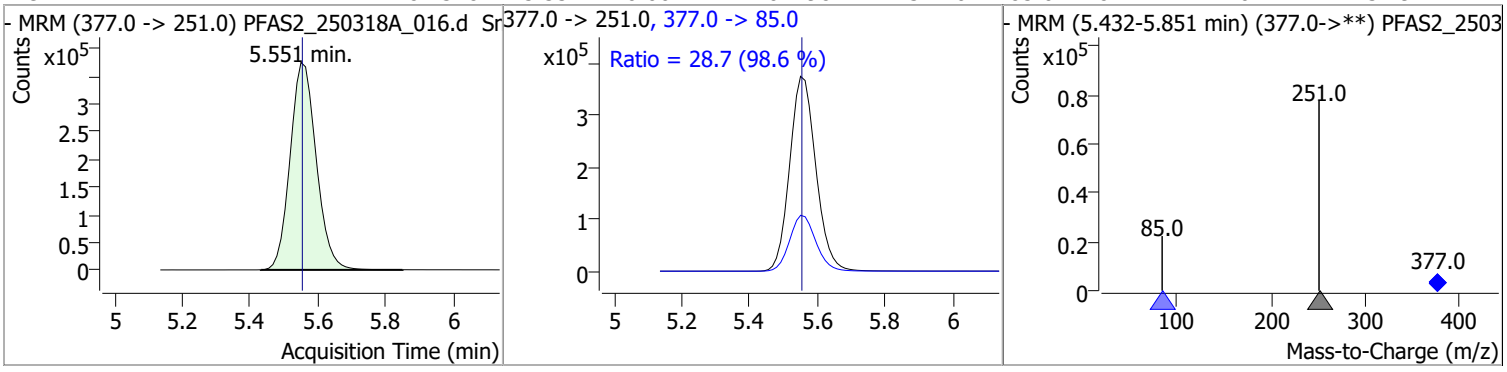
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	198.4507	5.46	0.01	1004448	341.0 -> 217.0	84.3	63.6	118.1



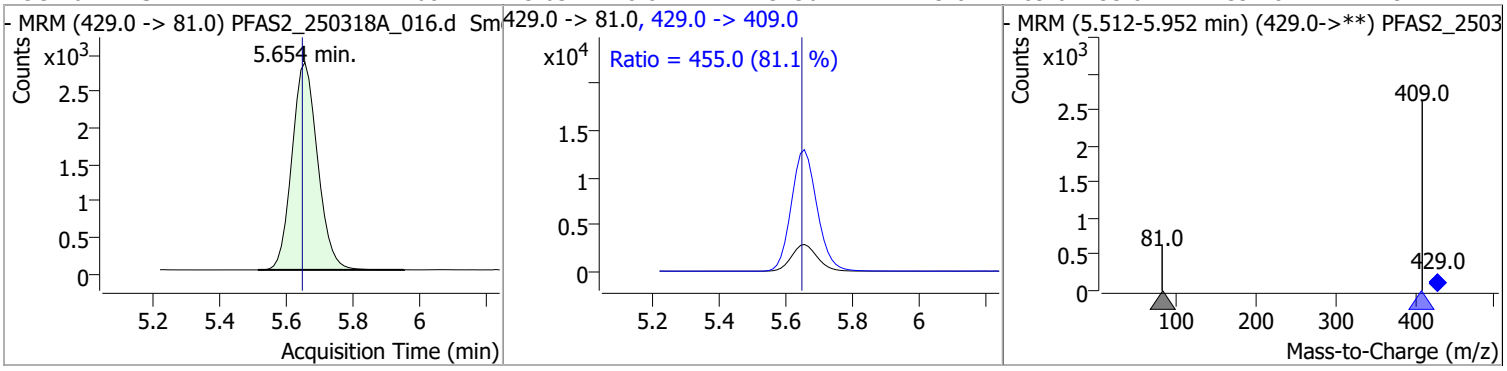
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	10.3118	5.49	0.00	205920	348.9 -> 99.0	52.5	33.0	61.3



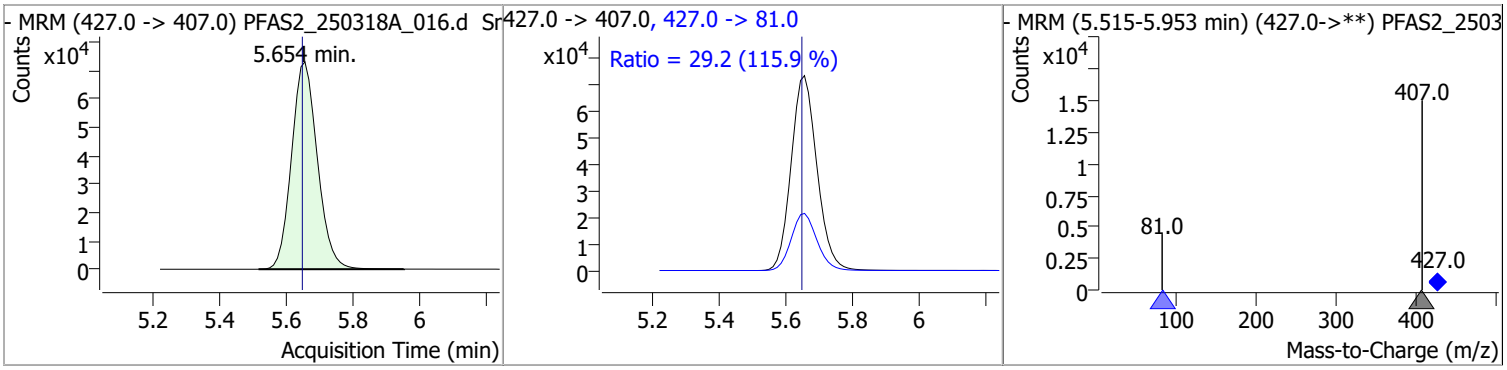
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.4378	5.55	0.00	2012982	377.0 -> 85.0	28.7	20.4	37.9



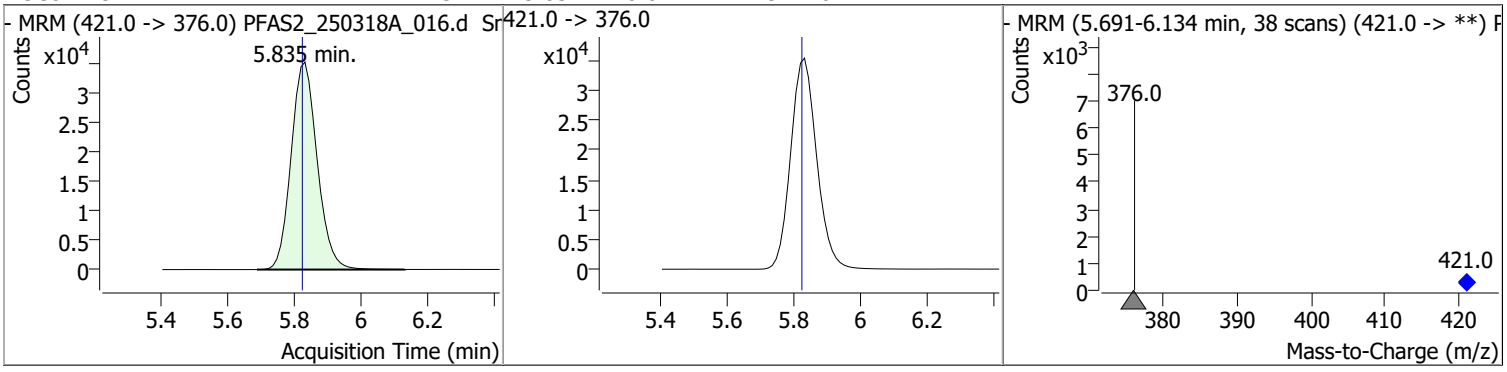
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6874	5.65	0.01	15236	429.0 -> 409.0	455.0	392.8	729.4



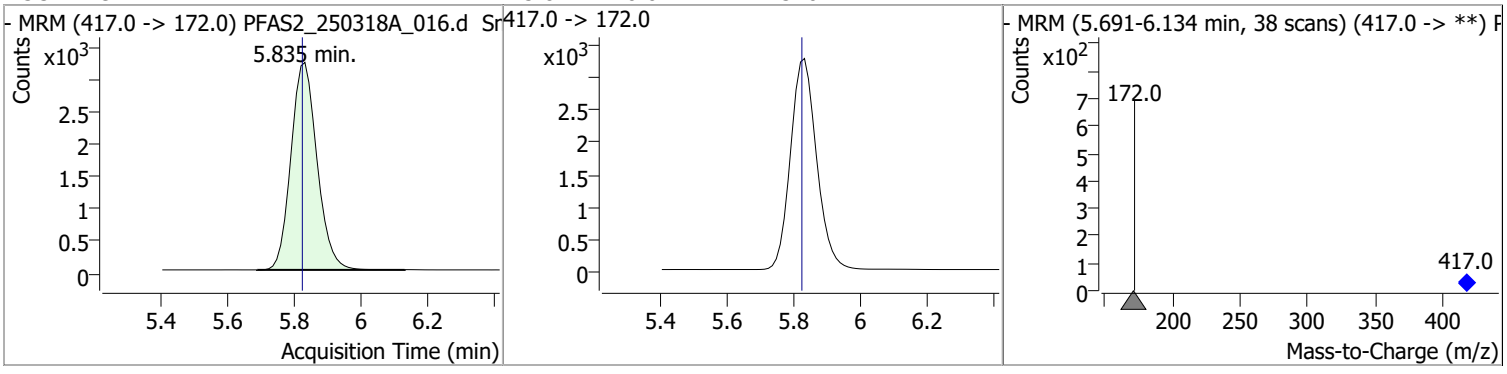
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.4479	5.65	0.01	393344	427.0 -> 81.0	29.2	17.7	32.8



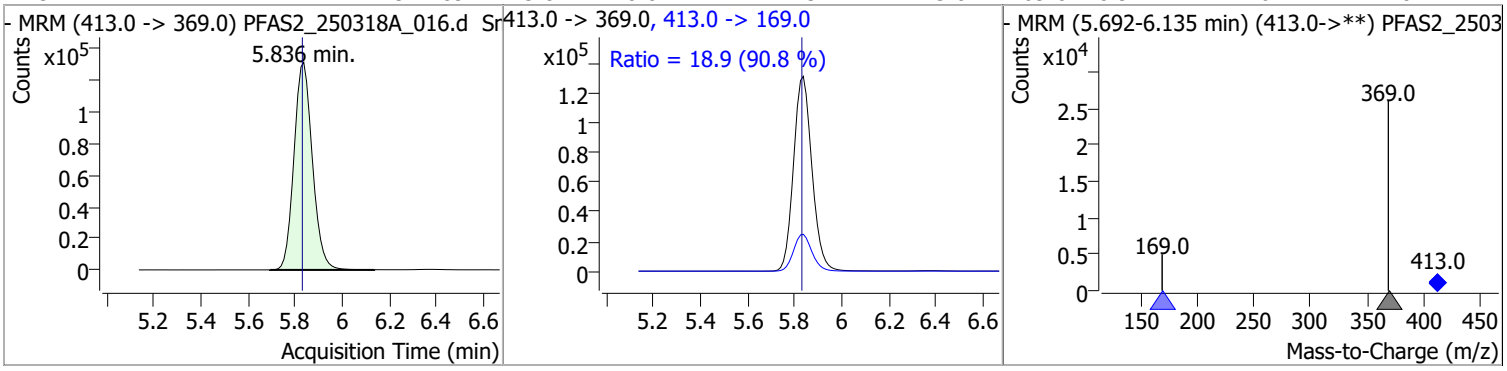
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4432	5.83	0.01	191418				



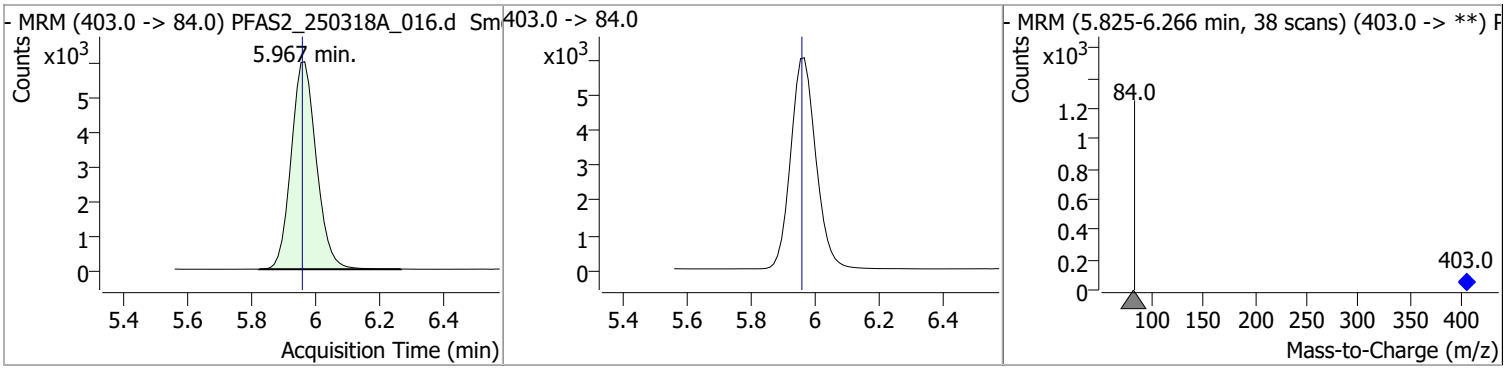
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	17520				



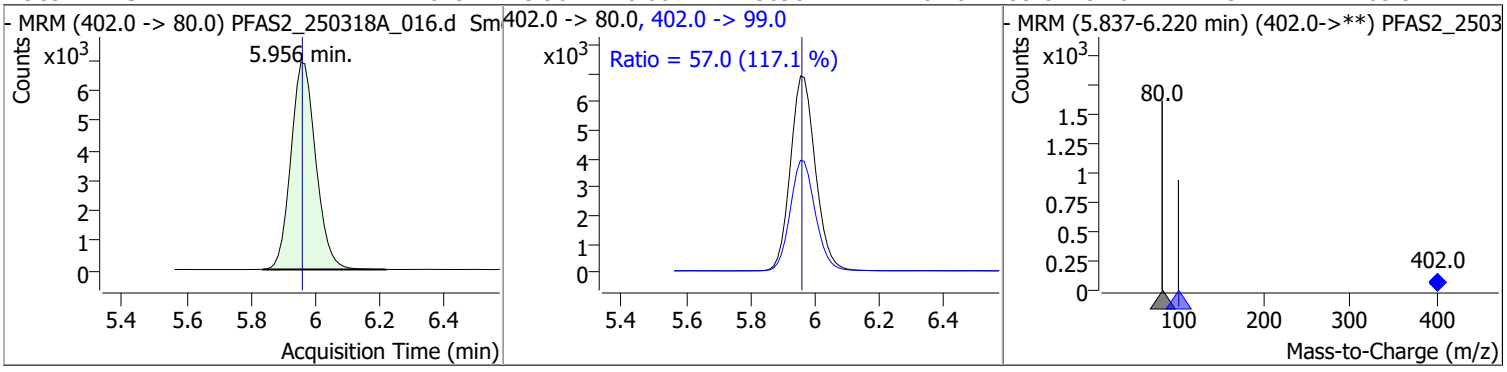
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.4189	5.84	0.01	712492	413.0 -> 169.0	18.9	14.6	27.0



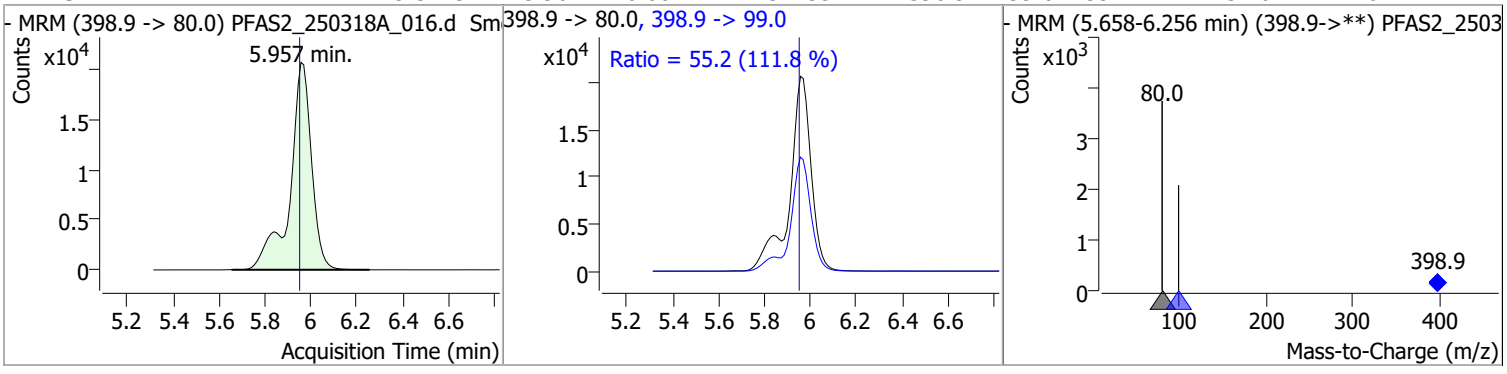
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	32641				



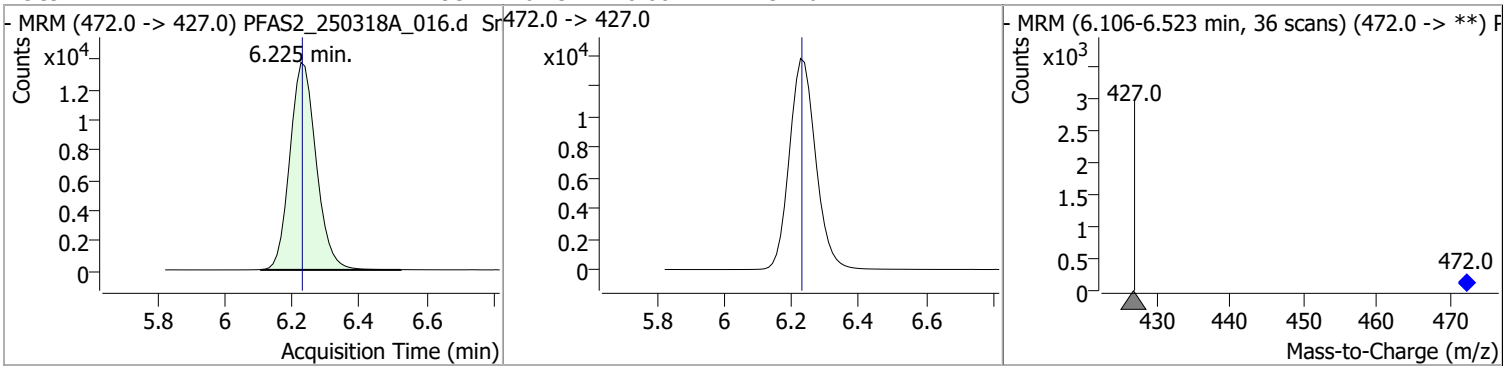
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4023	5.96	0.00	36984	402.0 -> 99.0	57.0	34.1	63.3



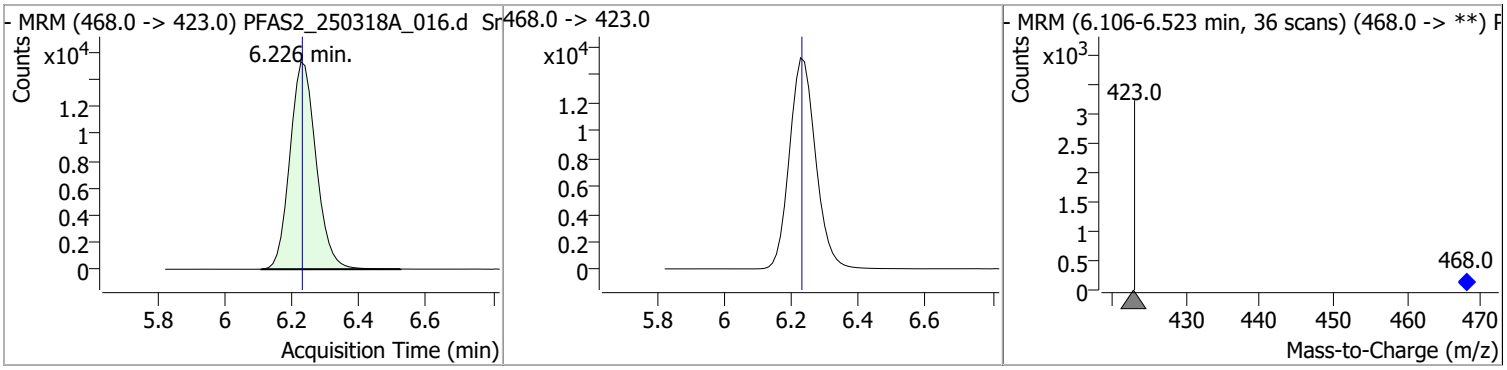
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3243	5.96	0.00	134133	398.9 -> 99.0	55.2	34.6	64.2



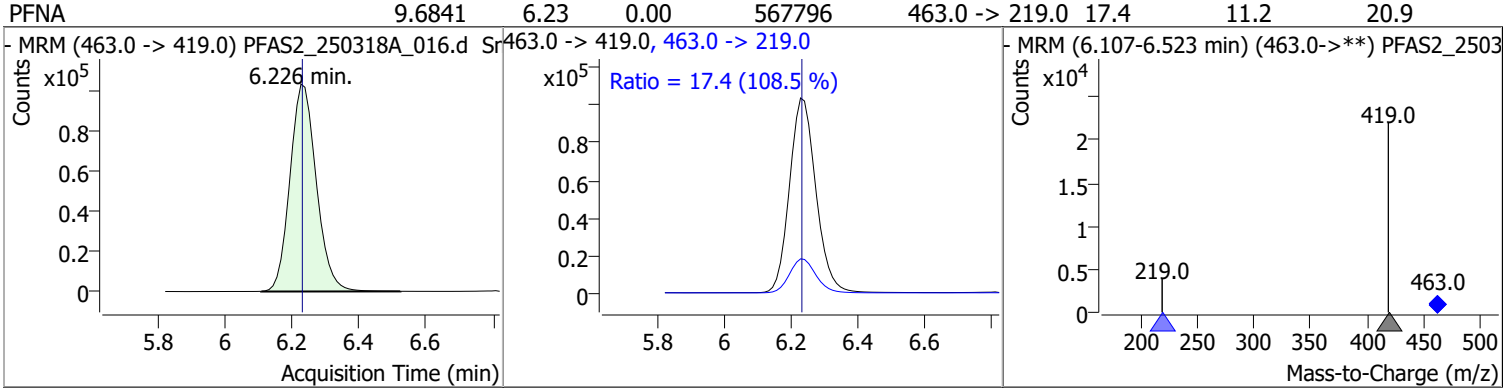
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1493	6.23	0.00	75146				



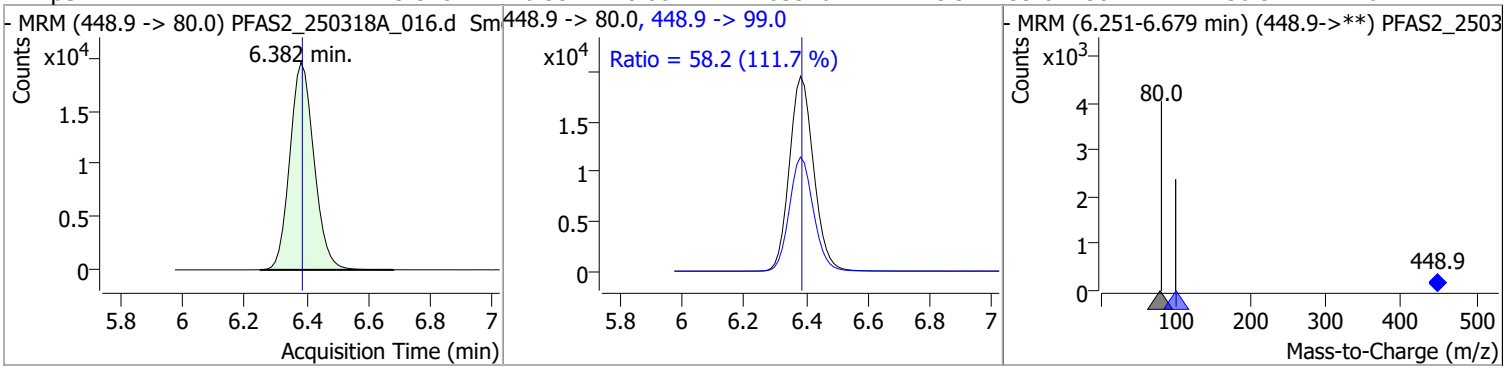
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	82515				



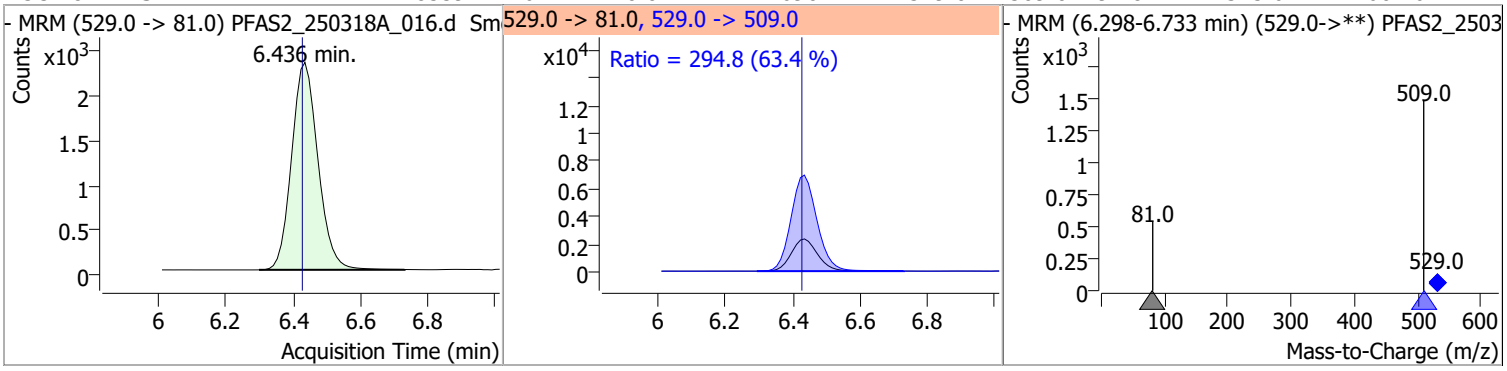
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6841	6.23	0.00	567796	463.0 -> 219.0	17.4	11.2	20.9



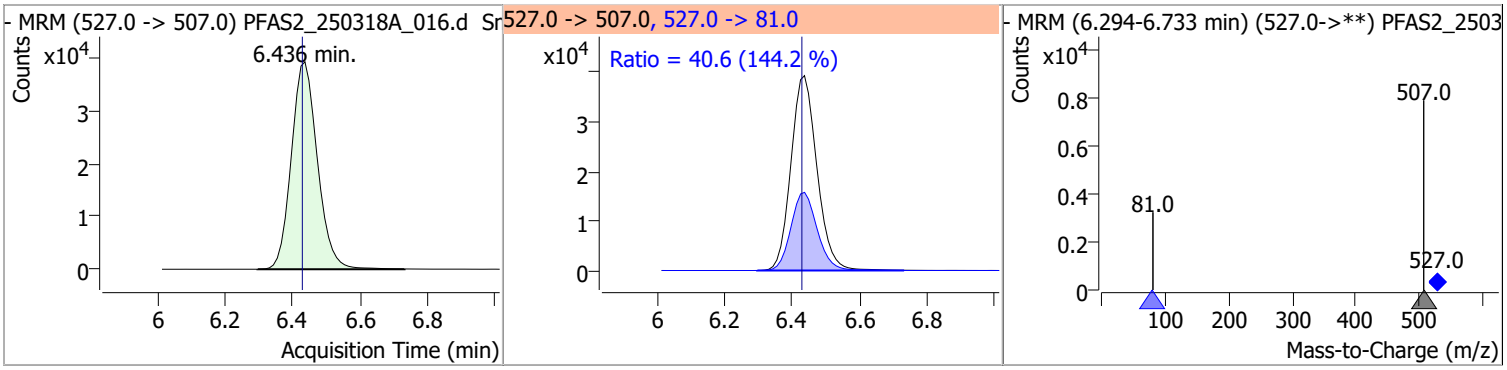
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.3182	6.38	0.00	105316	448.9 -> 99.0	58.2	36.5	67.7



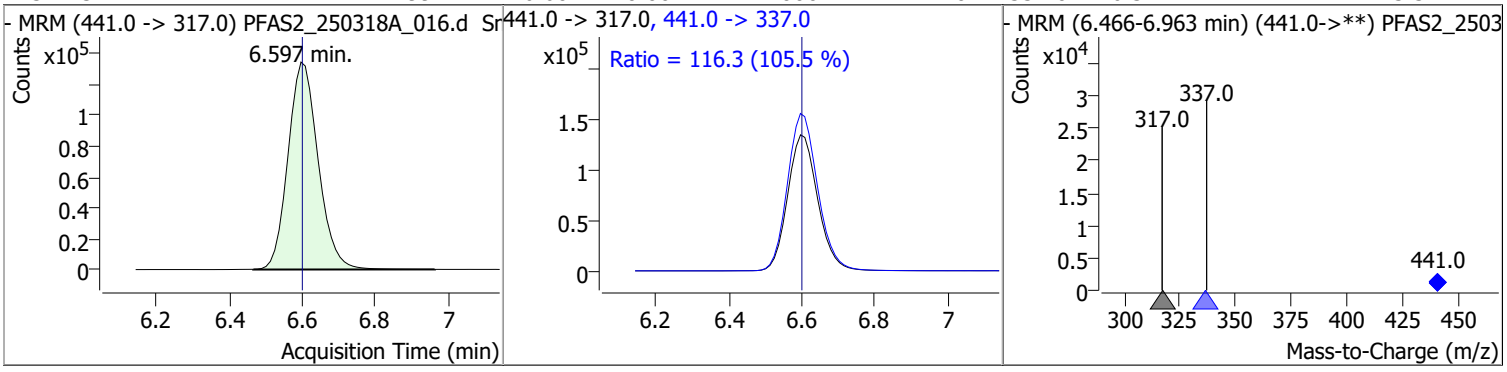
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8559	6.44	0.01	12690	529.0 -> 509.0	294.8	325.6	604.6



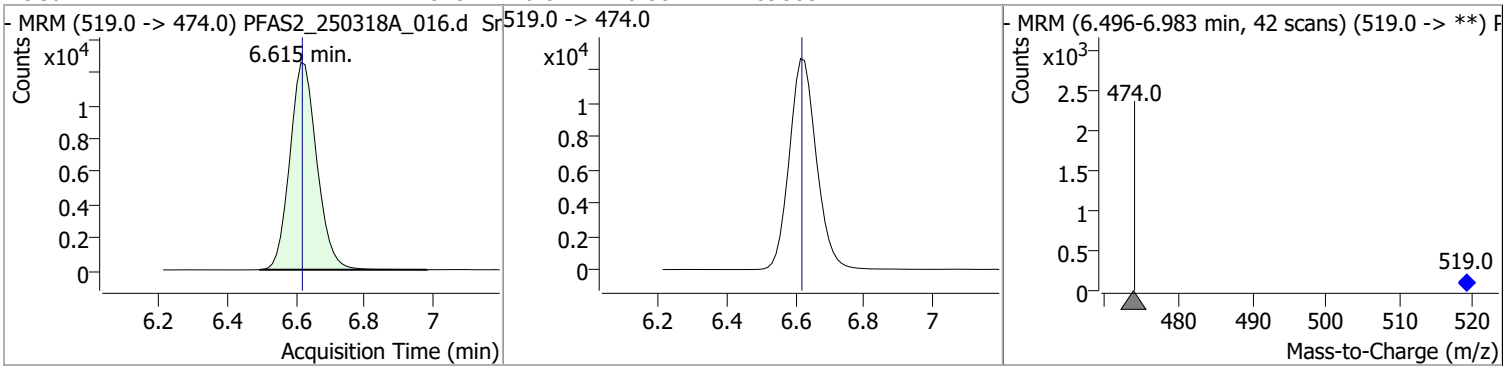
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	37.8471	6.44	0.01	211819	527.0 -> 81.0	40.6	19.7	36.6



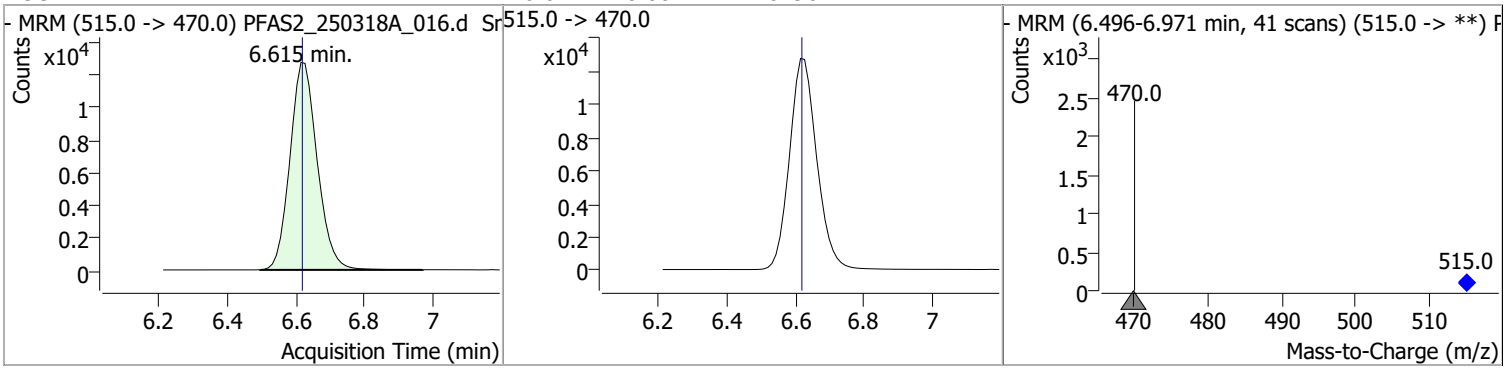
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	199.1177	6.60	0.00	770002	441.0 -> 337.0	116.3	77.1	143.3



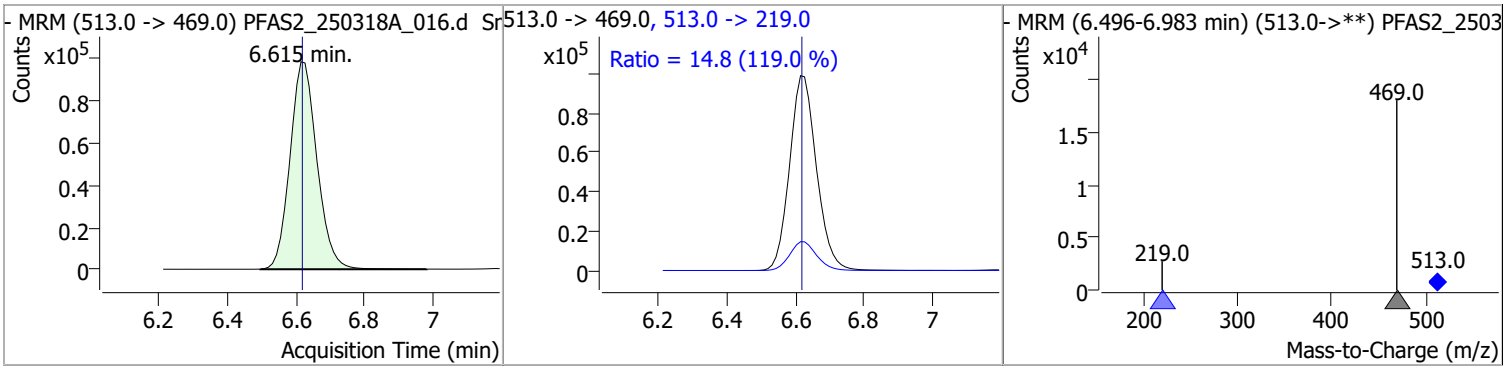
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2028	6.61	0.00	69003				



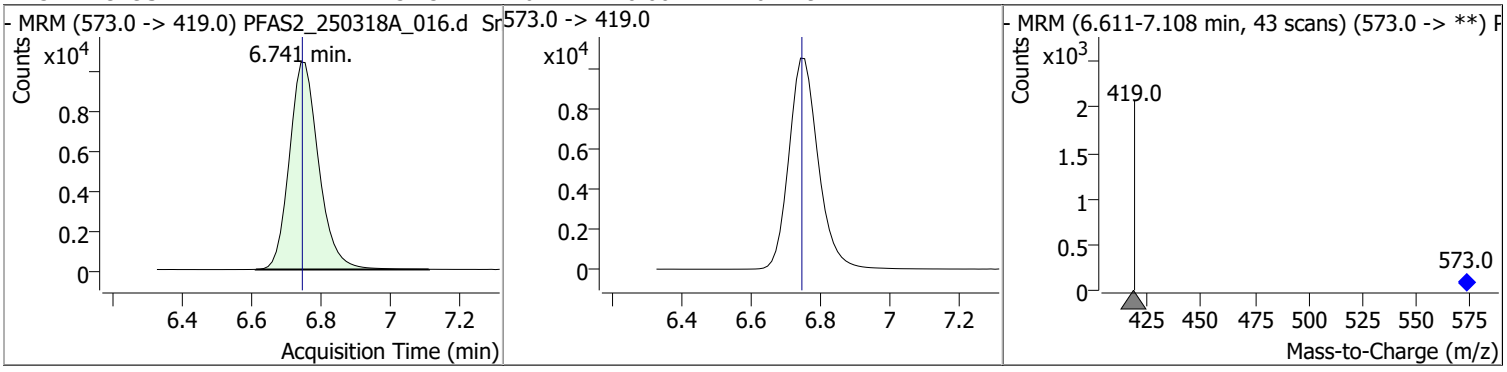
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	70498				



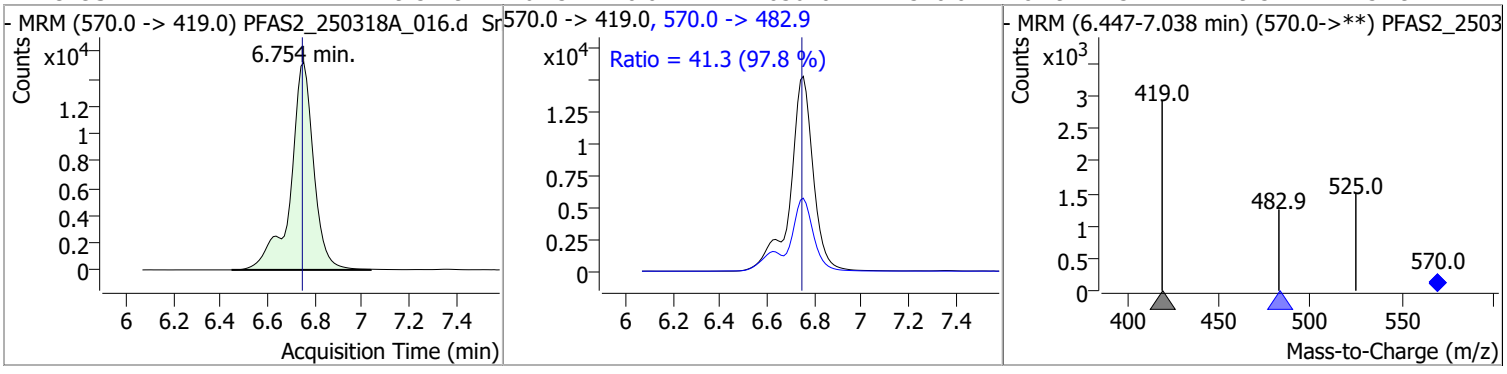
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	10.5831	6.62	0.00	540546	513.0 -> 219.0	14.8	8.7	16.2



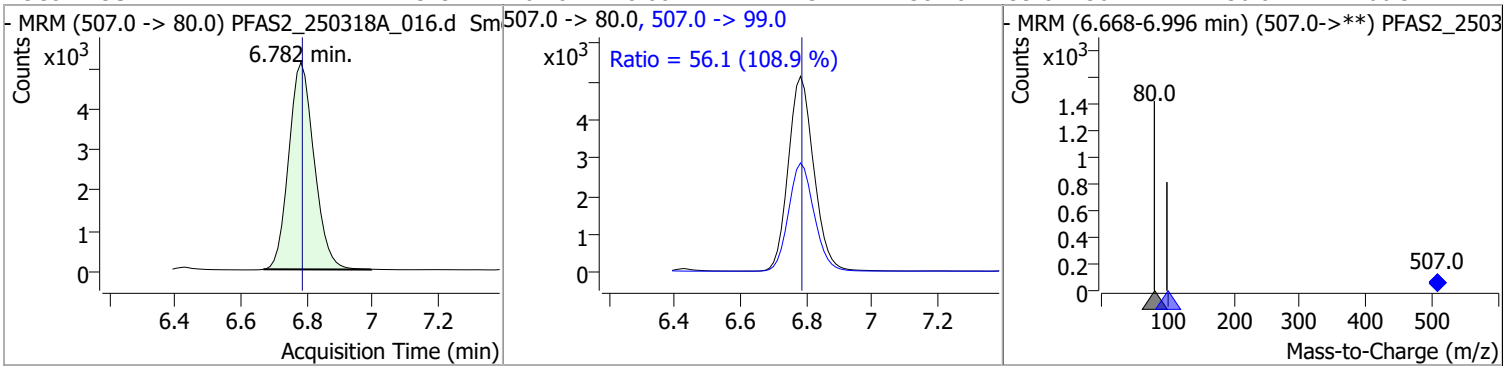
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1541	6.74	0.00	61219				



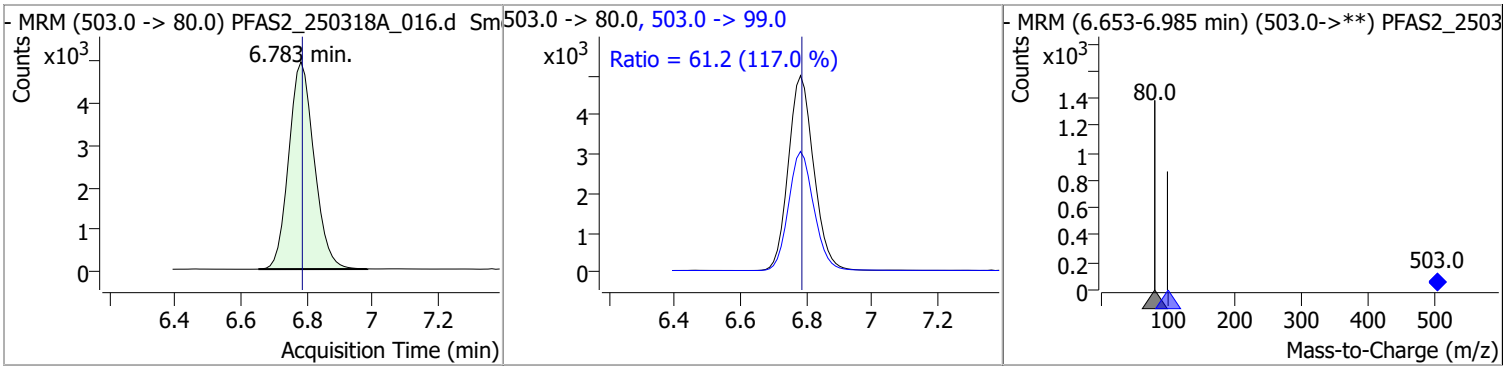
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.5749	6.75	0.01	103640	570.0 -> 482.9	41.3	29.5	54.9



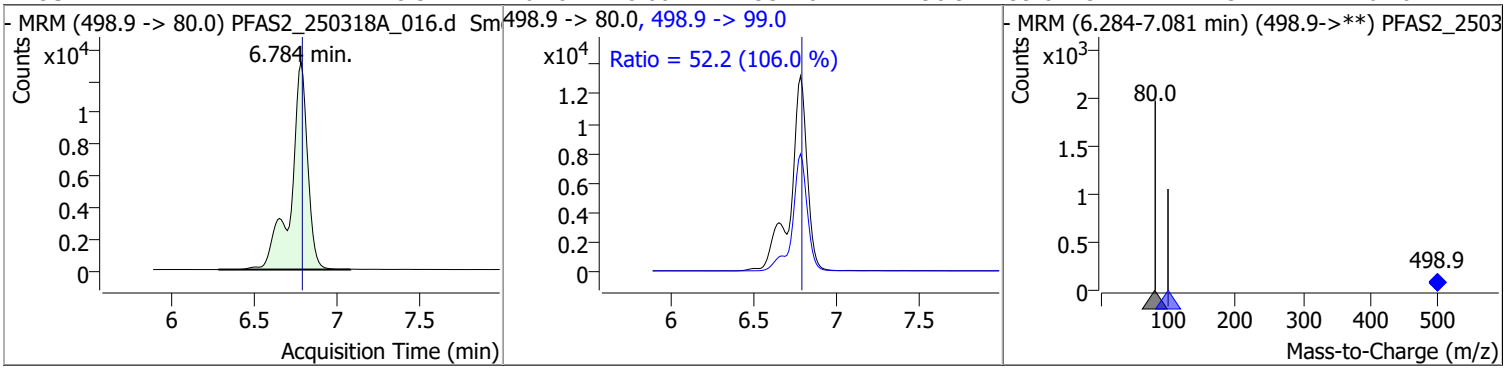
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5292	6.78	0.00	27173	507.0 -> 99.0	56.1	36.0	66.9



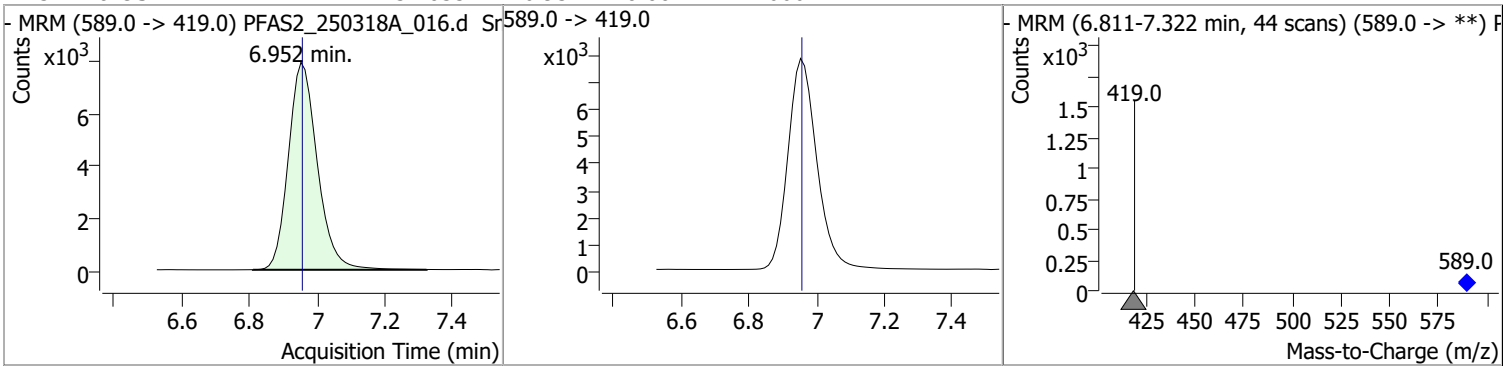
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	26472	503.0 -> 99.0	61.2	36.6	67.9



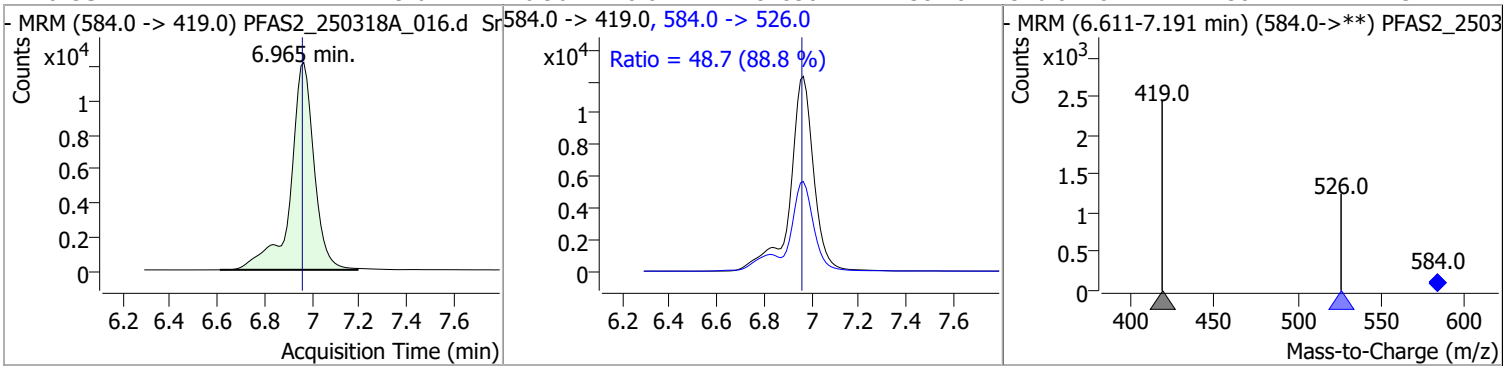
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.5444	6.78	0.00	93228	498.9 -> 99.0	52.2	34.4	64.0



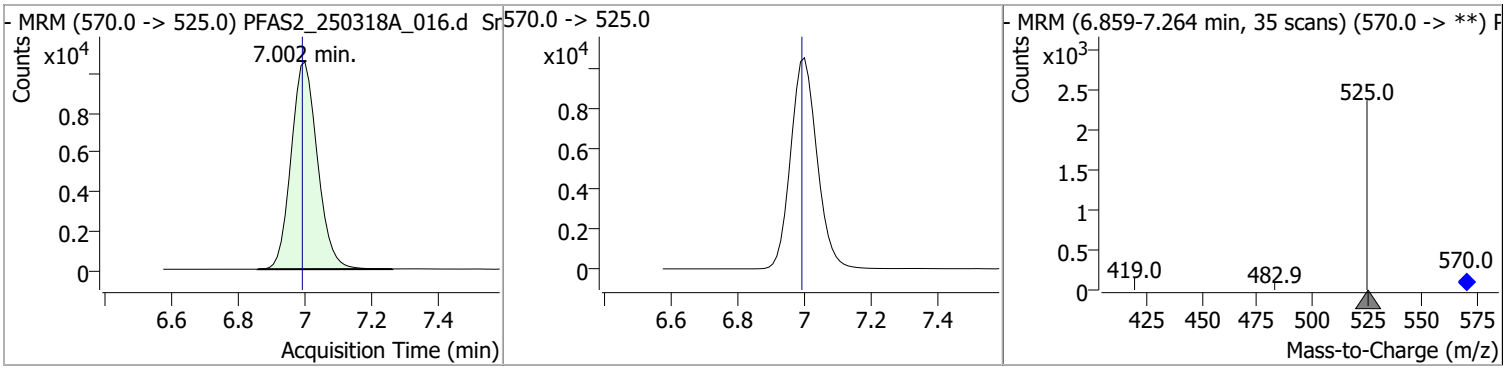
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2035	6.95	0.00	46661				



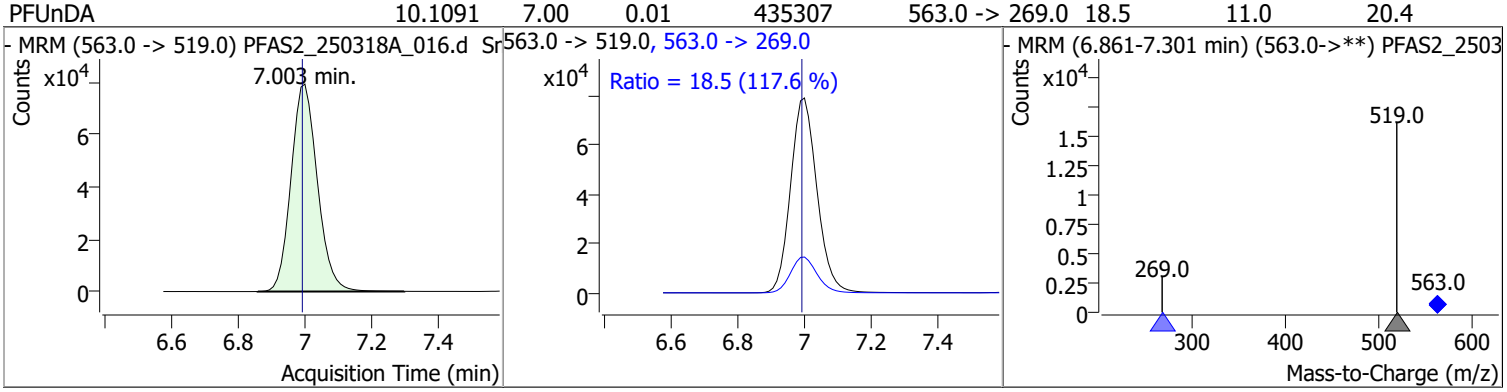
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.6177	6.96	0.01	84830	584.0 -> 526.0	48.7	38.4	71.3



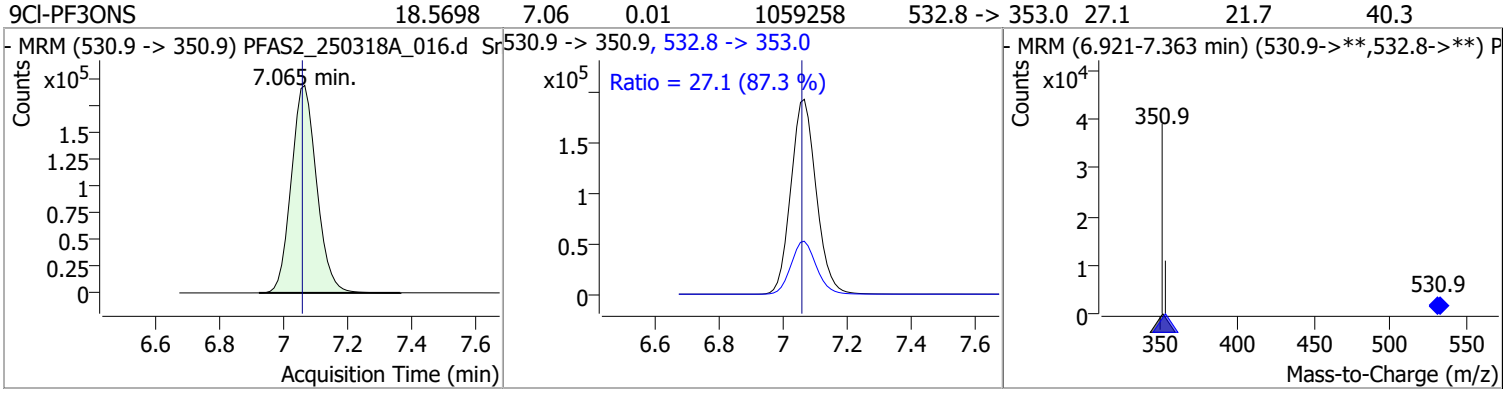
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2803	7.00	0.01	57885				



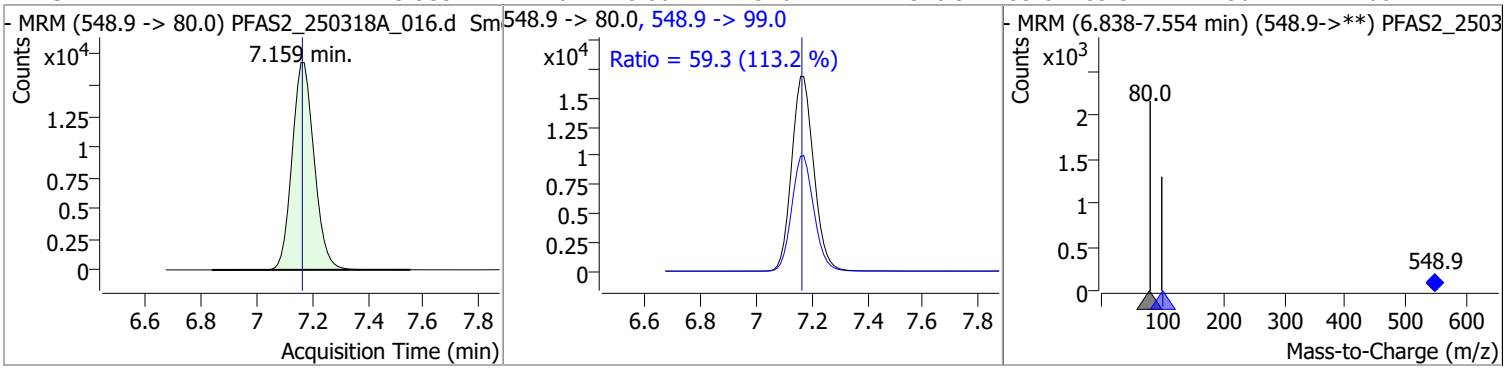
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	10.1091	7.00	0.01	435307	563.0 -> 269.0	18.5	11.0	20.4



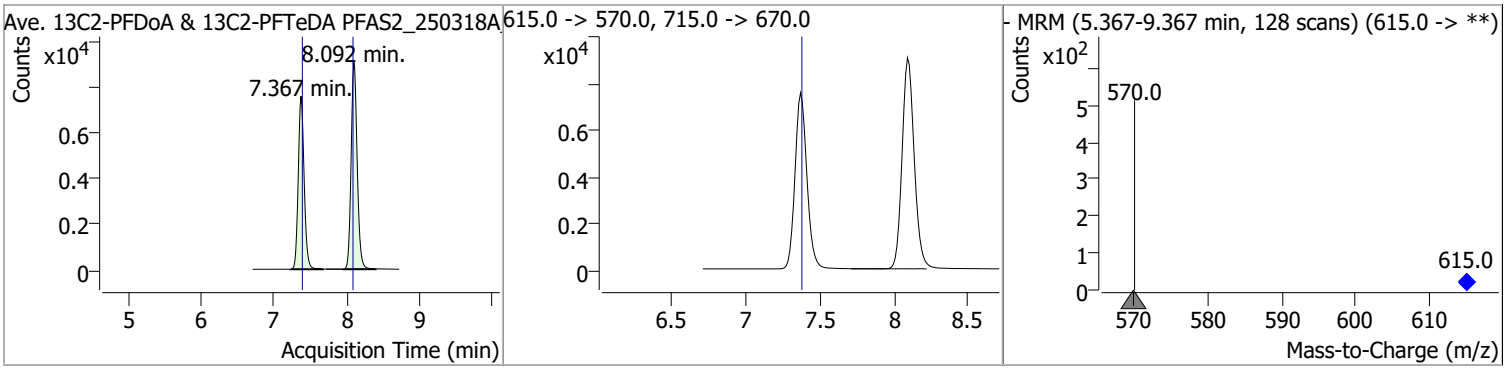
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.5698	7.06	0.01	1059258	532.8 -> 353.0	27.1	21.7	40.3



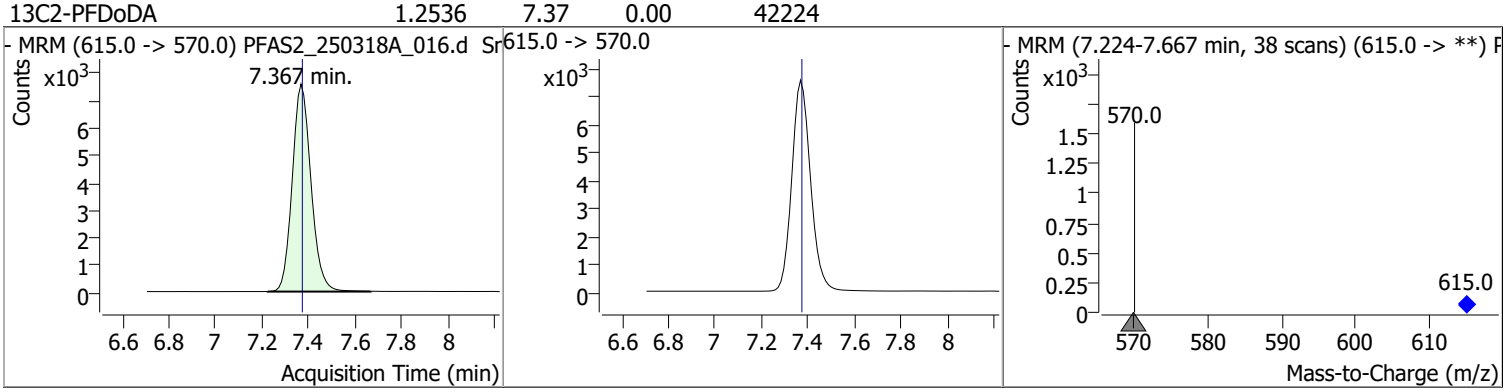
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.9332	7.16	0.00	92074	548.9 -> 99.0	59.3	36.7	68.1



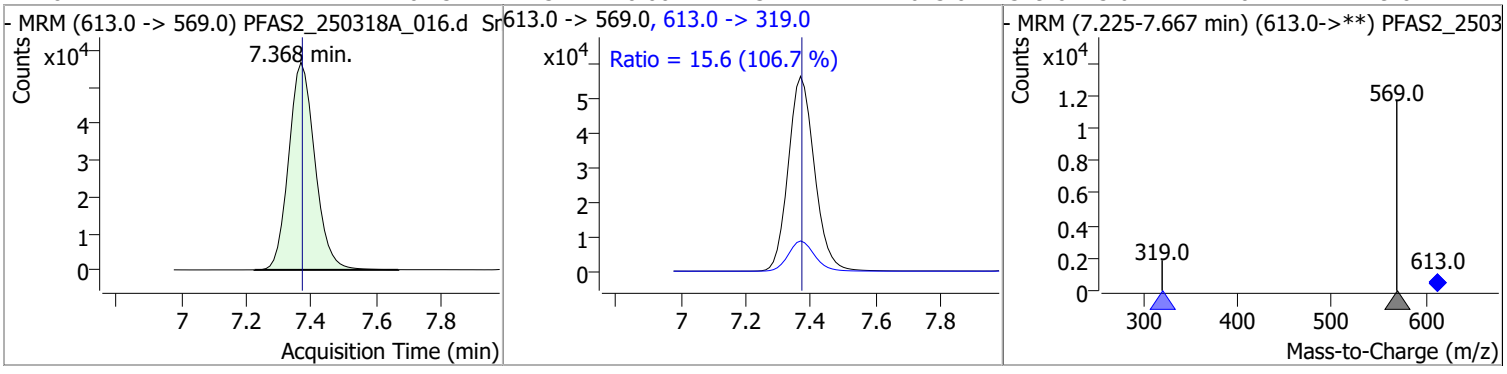
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2637	7.73	0.36	47089				



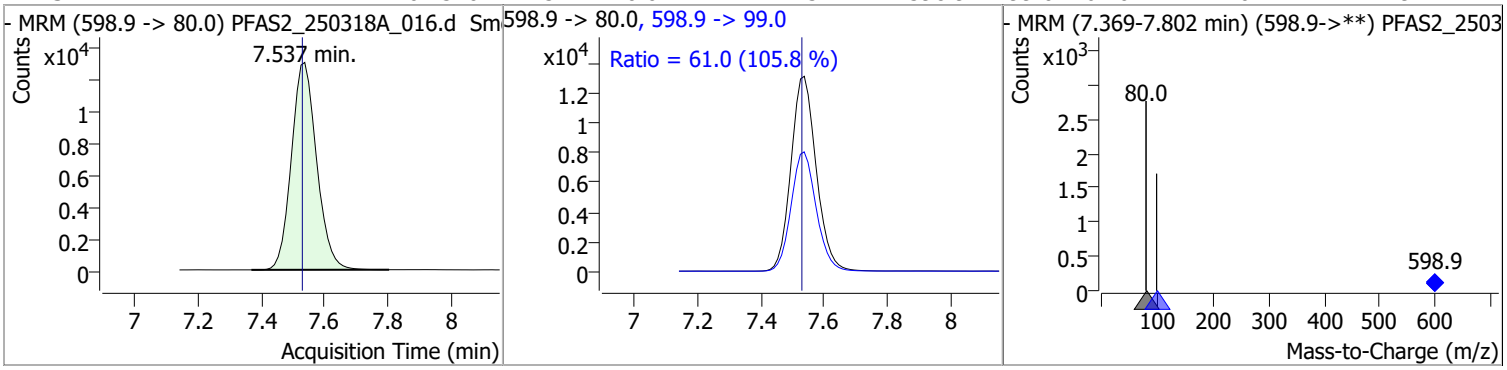
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2536	7.37	0.00	42224				



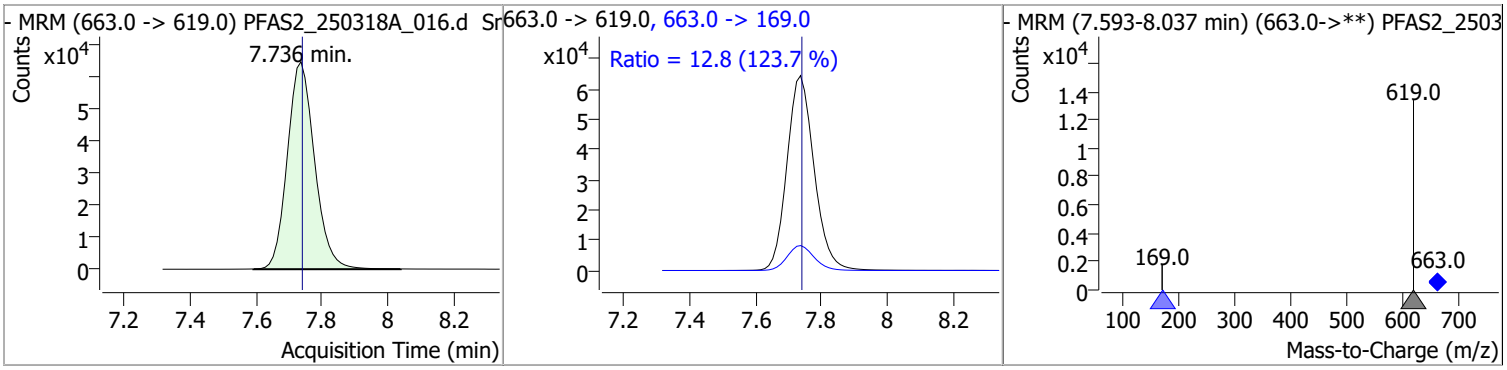
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.2547	7.37	0.00	317421	613.0 -> 319.0	15.6	10.2	19.0



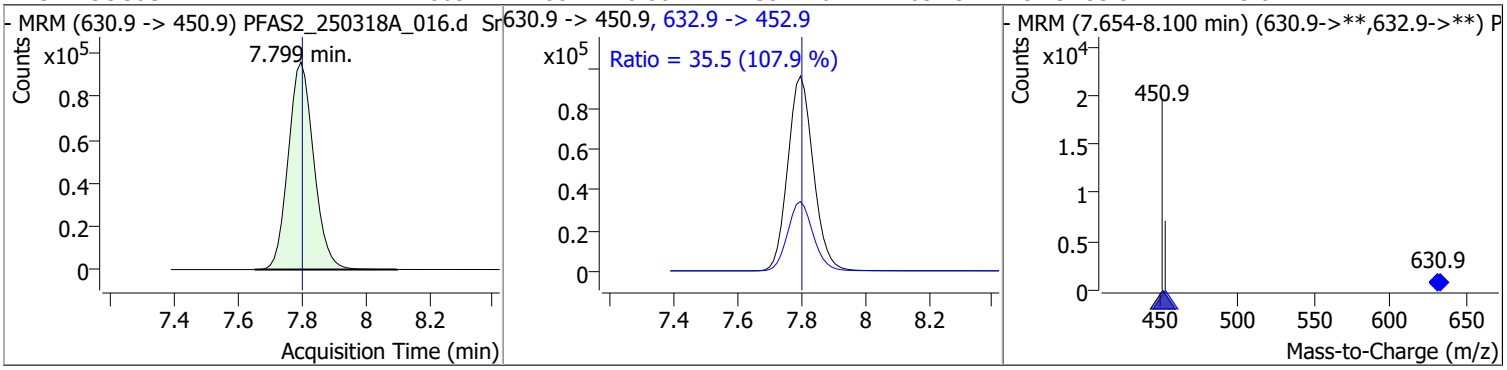
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.4310	7.54	0.01	72243	598.9 -> 99.0	61.0	40.4	74.9



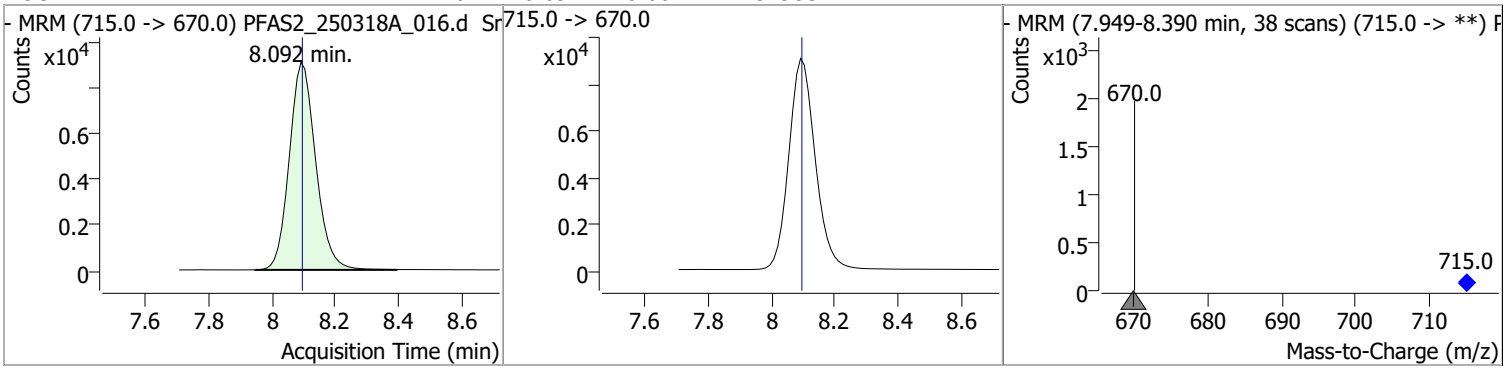
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.3332	7.74	0.00	366623	663.0 -> 169.0	12.8	7.2	13.4



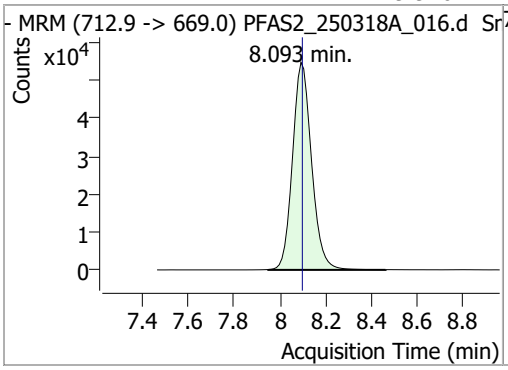
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	21.6652	7.80	0.00	531446	632.9 -> 452.9	35.5	23.0	42.7

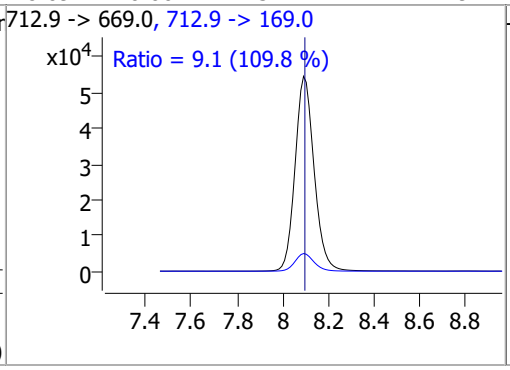


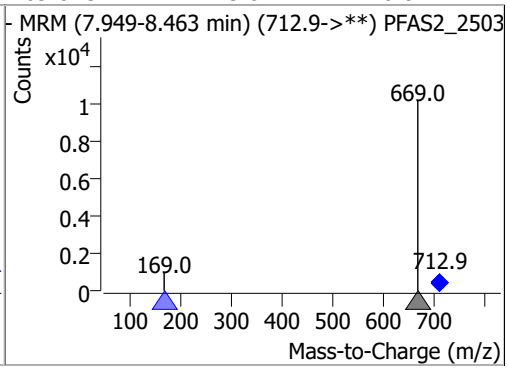
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2720	8.09	0.00	51953				



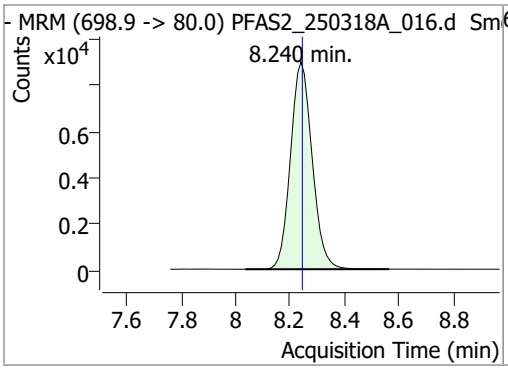
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.9767	8.09	0.00	317141	712.9 -> 169.0	9.1	5.8	10.8

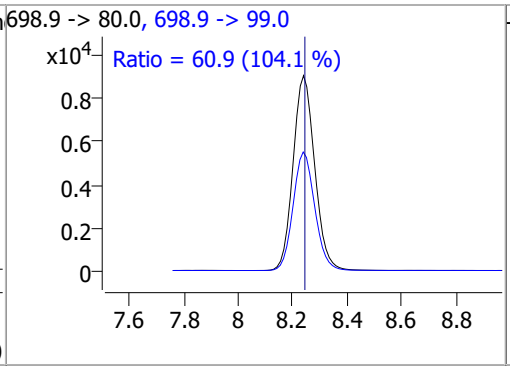


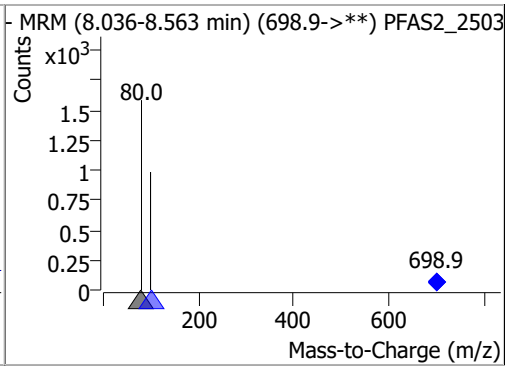




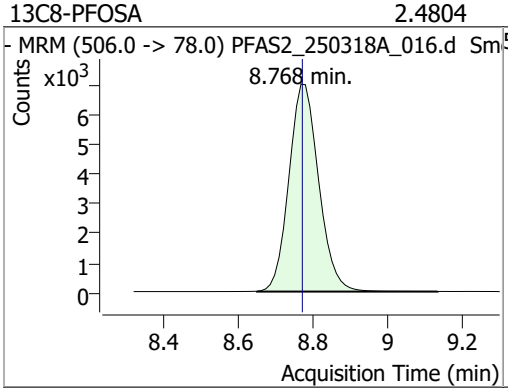
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	10.2257	8.24	0.00	49523	698.9 -> 99.0	60.9	41.0	76.1

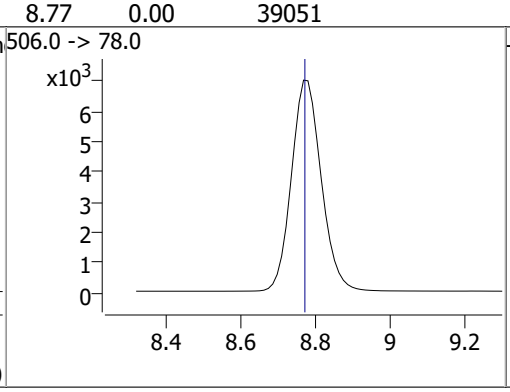


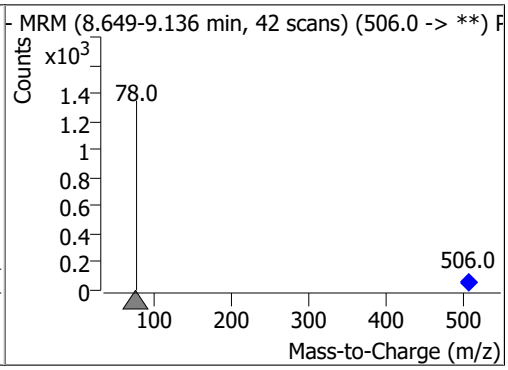




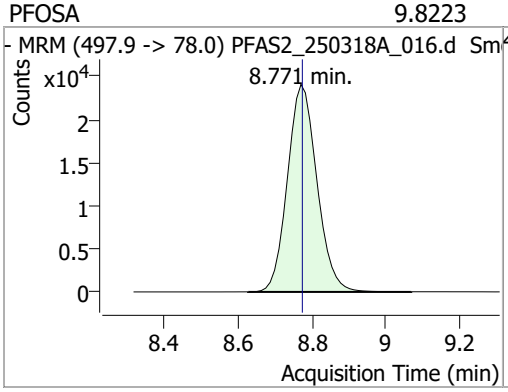
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4804	8.77	0.00	39051				

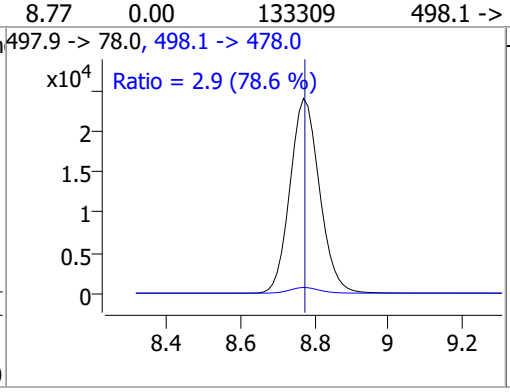


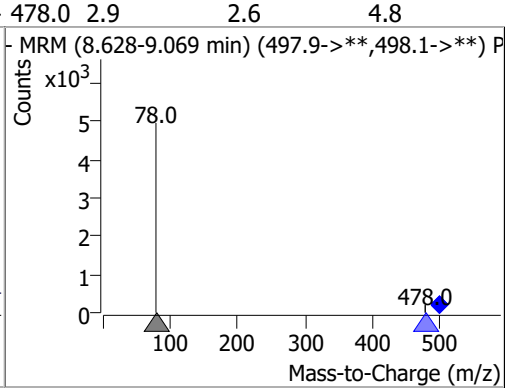




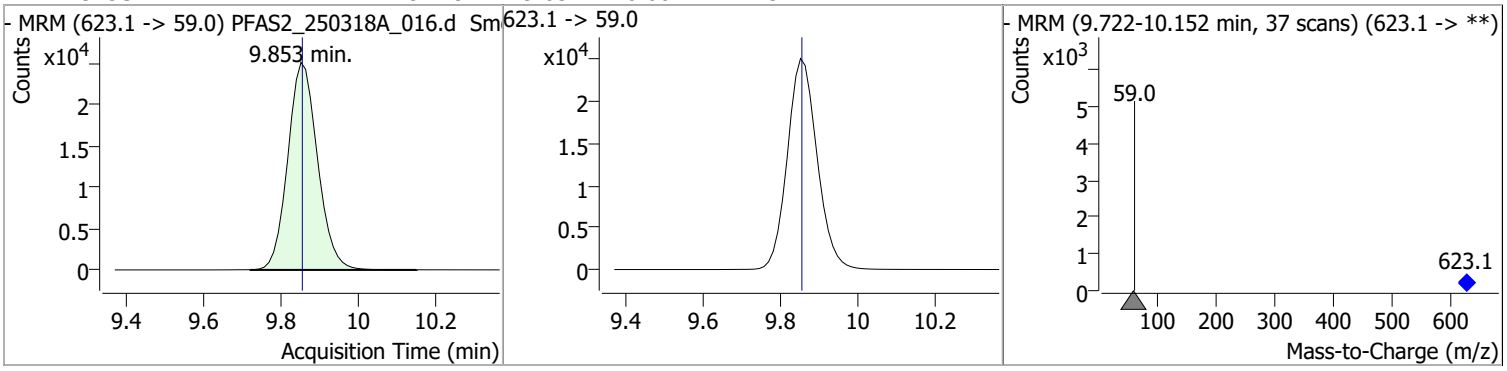
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.8223	8.77	0.00	133309	498.1 -> 478.0	2.9	2.6	4.8



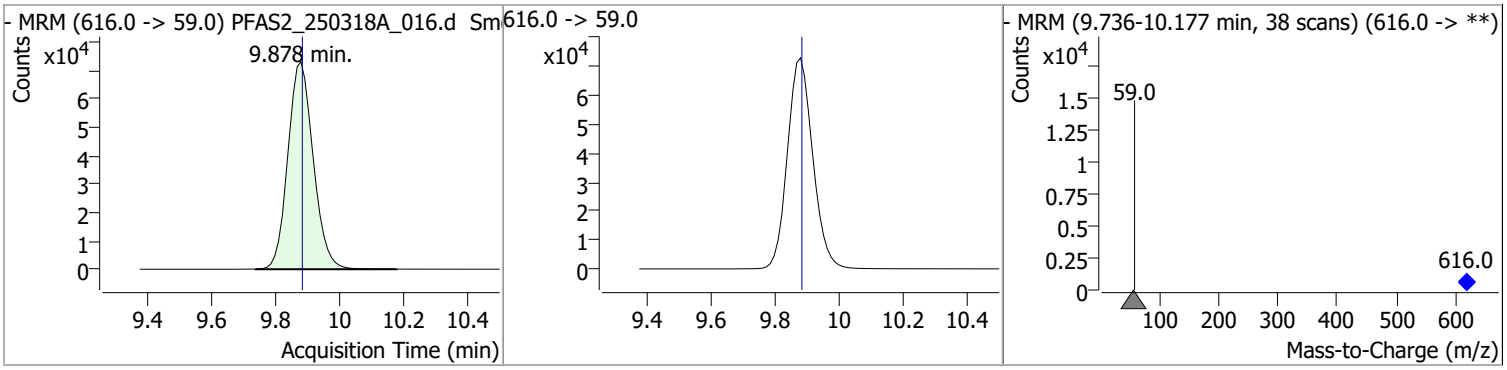




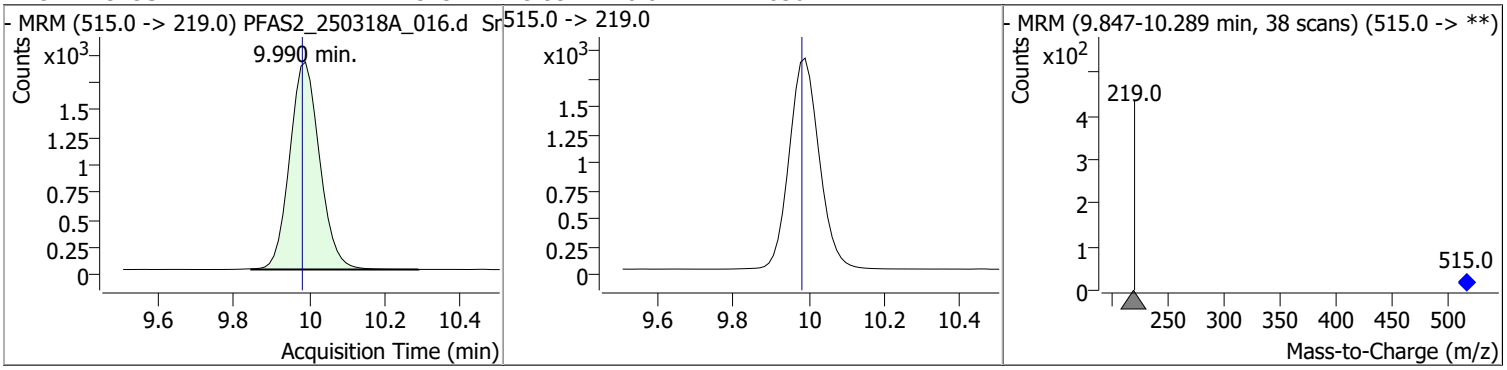
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.1294	9.85	0.00	134114				



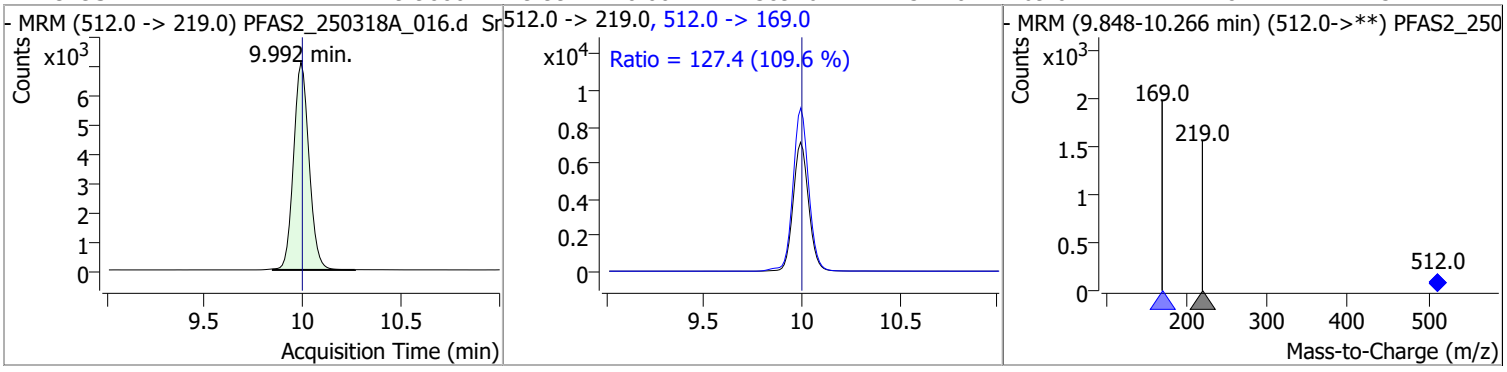
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	99.6587	9.88	0.00	399859				



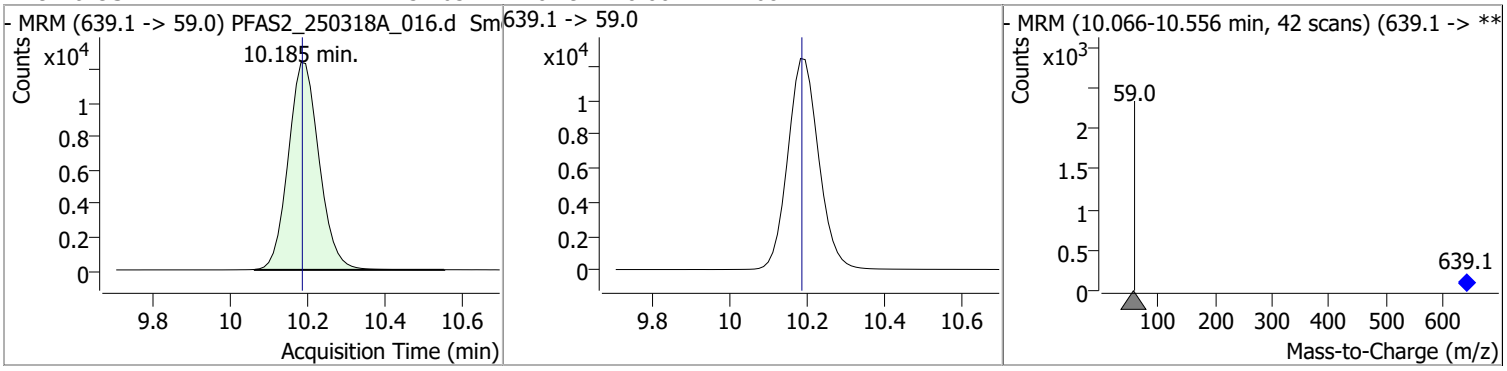
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3452	9.99	0.01	10362				



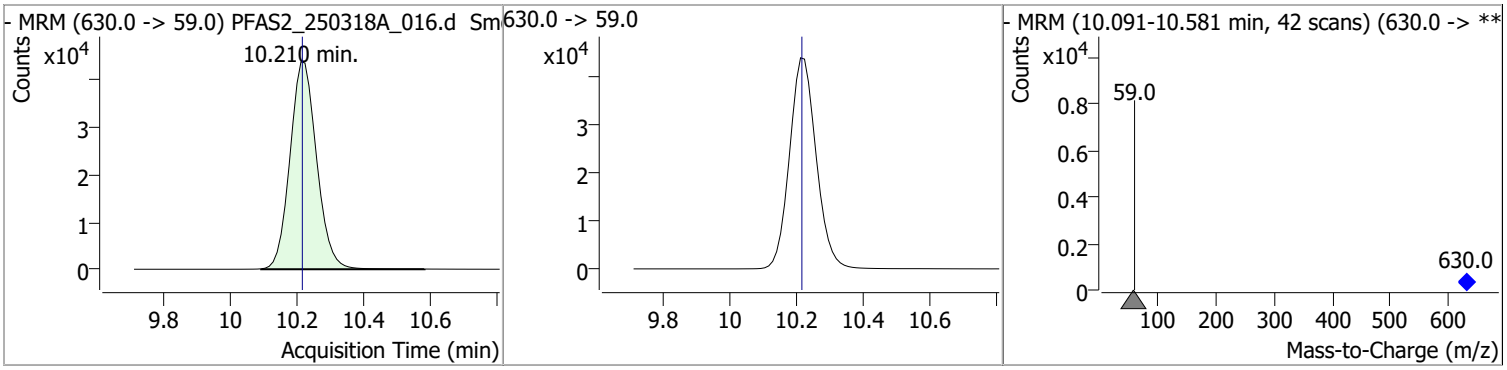
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.9880	9.99	0.00	38926	512.0 -> 169.0	127.4	81.4	151.2



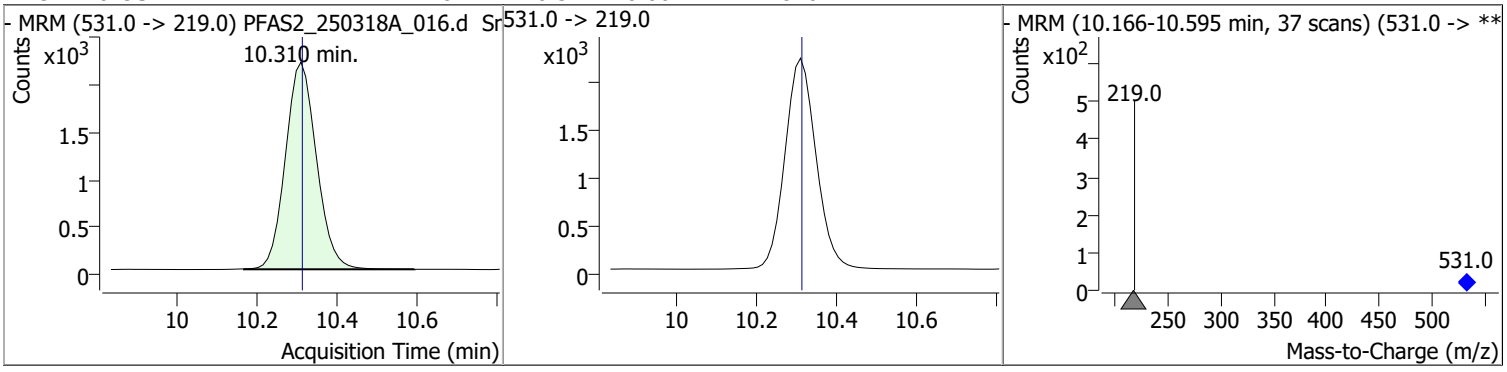
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.4652	10.19	0.00	68774				



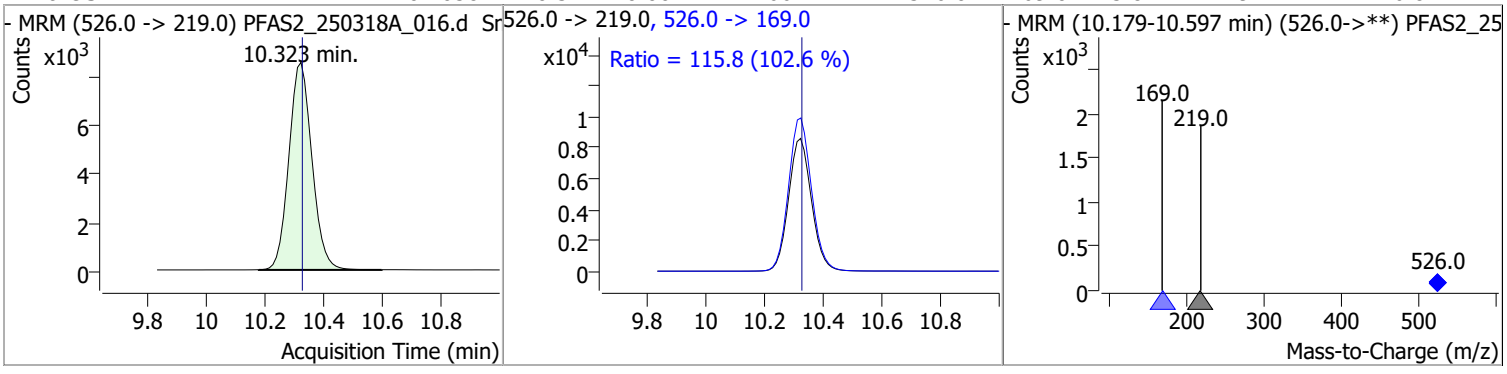
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	100.0720	10.21	0.00	244209				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4784	10.31	0.00	11840				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.2058	10.32	0.00	46611	526.0 -> 169.0	115.8	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_035.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/19/25
Lab Sample ID:	S25C0702-CCV3 ( )	Injection Time:	01:03

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	39.0		25441.775			30
PFPeA	20.0	19.7		37457.655			30
PFHxA	10.0	10.0		62983.06			30
PFHpA	10.0	9.59		73223.19			30
PFOA	10.0	9.43		69574.72			30
PFNA	10.0	9.79		55840.12			30
PFDA	10.0	10.1		57215.26			30
PFUnA	10.0	9.74		42663.35			30
PFDoA	10.0	10.2		34484.09			30
PFTrDA	10.0	10.9		41707.03			30
PFTeDA	10.0	11.0		36969.74			30
PFBS	8.85	9.05		5321.629979845			30
PFPeS	9.40	10.9		9988.297872340			30
PFHxS	9.15	9.64		3028.424805636			30
PFHpS	9.55	8.88		0255.015733509			30
PFOS	9.30	9.06		0372.067741935			30
PFNS	9.60	9.78		9215.3125			30
PFDS	9.65	10.7		478.8593286156			30
PFDoS	9.70	9.55		650.4118917101			30
4:2FTS	37.5	36.0		4115.221333333			30
6:2FTS	38.0	36.5		228.4947368421			30
8:2FTS	38.4	32.8		521.3567708333			30
PFOSA	10.0	10.1		13387.37			30
NMeFOSA	10.0	10.0		3964.071			30
NEtFOSA	10.0	10.4		4530.416			30
NMeFOSAA	10.0	9.68		10388.25			30
NEtFOSAA	10.0	9.89		8004.755			30
NMeFOSE	100	106		4512.732			30
NEtFOSE	100	108		2697.084			30
HFPO-DA	20.0	21.3		17654.785			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_035.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/19/25
Lab Sample ID:	S25C0702-CCV3 ( )	Injection Time:	01:03

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	16.4		5478.148148148			30
9CL-PF3ONS	18.7	16.1		9555.534759358			30
11CL-PF3OUdS	18.9	17.2		2546.925925925			30
3:3FTCA	40.0	38.6		675.804			30
5:3FTCA	200	177		4387.342			30
7:3FTCA	200	183		3471.8605			30
PFEESA	17.8	16.7		31490.393258427			30
PFMPA	20.0	19.2		19002.185			30
PFMBA	20.0	19.0		27287.78			30
NFDHA	20.0	21.9		1412.2725			30
13C4-PFBA	10.0	9.88		.1221808492596			30
13C5-PFPeA	5.00	4.73		63751560164995			30
13C5-PFHxA	2.50	2.48		.0921030619967			30
13C4-PFHpA	2.50	2.50		.2292371345078			30
13C8-PFOA	2.50	2.49		1.143006642952			30
13C9-PFNA	1.25	1.24		98263039300882			30
13C6-PFDA	1.25	1.27		1.0322471751342			30
13C7-PFUnA	1.25	1.24		79347601920193			30
13C2-PFDoA	1.25	1.30		62237488494505			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.29		68202429890402			30
13C2-PFTeDA	1.25	1.28		74167357815795			30
13C3-PFBS	2.50	2.57		.1008856927050			30
13C3-PFHxS	2.50	2.37		.1187670836550			30
13C8-PFOS	2.50	2.57		.0427542717096			30
13C2-4:2FTS	5.00	5.01		42545261346925			30
13C2-6:2FTS	5.00	4.93		24533096623006			30
13C2-8:2FTS	5.00	5.26		.2103741914411			30
13C8-PFOSA	2.50	2.51		1.494747277258			30
D3-NMeFOSA	2.50	2.47		41274776112650			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_035.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/19/25
Lab Sample ID:	S25C0702-CCV3 ( )	Injection Time:	01:03

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.46		4444773142566(			30
D3-NMeFOSAA	5.00	5.32		.1935513755819			30
D5-NEtFOSAA	5.00	4.97		84188488266198			30
D7-NMeFOSE	25.0	27.7		55772802284801			30
D9-NEtFOSE	25.0	27.2		27722063009069			30
13C3-HFPO-DA	10.0	10.2		2900078544629[illegible]			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_035.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/19/2025 1:03:43 AM
Sample Name	SEQ-CCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

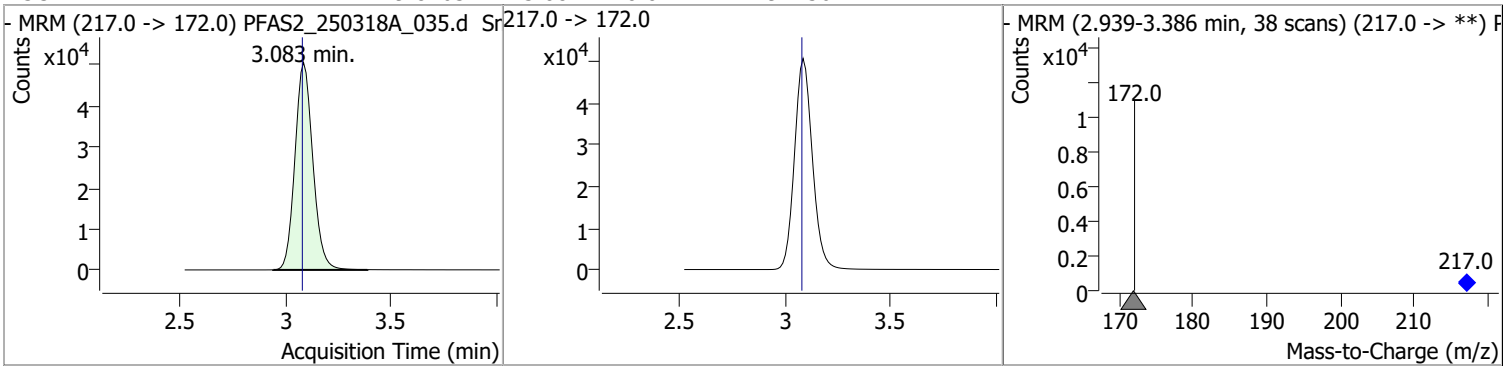
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.087	216.0 -> 172.0	132668	5.0000	µg/L		-3.050
13C2-PFHxA	4.902	315.0 -> 270.0	160800	2.5000	µg/L		4.807
18O2-PFHxS	5.967	403.0 -> 84.0	28412	2.5000	µg/L		-4.112
13C4-PFOA	5.823	417.0 -> 172.0	16761	2.5000	µg/L		8.497
13C5-PFNA	6.226	468.0 -> 423.0	74407	1.2500	µg/L		4.545
13C2-PFDA	6.603	515.0 -> 470.0	74236	1.2500	µg/L		11.005
13C4-PFOS	6.771	503.0 -> 80.0	25420	2.5000	µg/L		2.051
System Monitoring Compounds							
13C4-PFBA	3.083	217.0 -> 172.0	297756	10.0000	µg/L		-4.206
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.76%			
13C5-PFPeA	4.234	268.0 -> 223.0	205025	5.0000	µg/L		-0.915
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.55%			
13C5-PFPeA	4.234	268.0 -> 223.0	205025	5.0000	µg/L		-0.915
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.55%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	24176	5.0000	µg/L		-4.311
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.20%			
13C5-PFHxA	4.901	318.0 -> 273.0	175611	2.5000	µg/L		4.007
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%			
13C5-PFHxA	4.901	318.0 -> 273.0	175611	2.5000	µg/L		4.007
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%			
13C3-PFBS	4.941	302.0 -> 80.0	59690	2.5000	µg/L		-1.703
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.62%			
13C3-HFPO-DA	5.098	287.0 -> 169.0	186533	10.0000	µg/L		6.730
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.83%			
13C4-PFHpA	5.397	367.0 -> 322.0	197662	2.5000	µg/L		4.645
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.88%			
13C3-PFHxS	5.956	402.0 -> 80.0	31786	2.5000	µg/L		-9.049
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.88%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	13941	5.0000	µg/L		-5.607
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.55%			
13C8-PFOA	5.823	421.0 -> 376.0	186764	2.5000	µg/L		8.118
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.67%			
13C3-PFHxS	5.956	402.0 -> 80.0	31786	2.5000	µg/L		-9.049
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.88%			
13C9-PFNA	6.225	472.0 -> 427.0	73115	1.2500	µg/L		3.761
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.21%			
13C8-PFOS	6.771	507.0 -> 80.0	26507	2.5000	µg/L		4.838
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.77%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11954	5.0000	µg/L	#	0.916
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.11%			
13C6-PFDA	6.603	519.0 -> 474.0	76630	1.2500	µg/L		12.758
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.48%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	60681	5.0000	µg/L		8.710
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.40%			
13C8-PFOS	6.771	507.0 -> 80.0	26507	2.5000	µg/L		4.838

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.77%		
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	42802	5.0000	µg/L	1.499
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.41%		
13C7-PFUnDA	6.978	570.0 -> 525.0	58905	1.2500	µg/L	9.891
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.98%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.718	615.0 -> 570.0	50631	1.2500	µg/L	14.770
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.22%		
13C2-PFDoDA	7.355	615.0 -> 570.0	46203	1.2500	µg/L	15.666
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.21%		
13C2-PFTDA	8.080	715.0 -> 670.0	55059	1.2500	µg/L	14.029
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.41%		
13C8-PFOSA	8.780	506.0 -> 78.0	37997	2.5000	µg/L	2.802
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.53%		
2H7-MeFOSE	9.853	623.1 -> 59.0	141775	25.0000	µg/L	12.839
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 110.66%		
2H3-N-MeFOSA	9.979	515.0 -> 219.0	10492	2.5000	µg/L	1.185
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.92%		
2H9-EtFOSE	10.185	639.1 -> 59.0	70470	25.0000	µg/L	10.960
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 108.69%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11299	2.5000	µg/L	0.521
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.51%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1017671	39.0082	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.52%		
PFMPA	3.626	229.0 -> 85.0	380044	19.2418	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.21%		
3-3 FTCA	3.790	241.0 -> 177.0	27032	38.6500	µg/L	93
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.62%		
PFPeA	4.235	263.0 -> 219.0	749153	19.7412	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.71%		
PFMBA	4.480	279.0 -> 85.0	545756	18.9648	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.82%		
4-2 FTSA	4.710	327.0 -> 307.0	529321	36.0253	µg/L	98
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 96.07%		
NFDHA	4.834	295.0 -> 201.0	28245	21.8693	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 109.35%		
PFHxA	4.904	313.0 -> 269.0	629831	10.0229	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.23%		
PFBS	4.942	298.9 -> 80.0	224096	9.0480	µg/L	92
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 102.01%		
HFPO-DA	5.098	285.0 -> 169.0	353096	21.3357	µg/L	88
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 106.68%		
PFEESA	5.212	314.9 -> 135.0	1450529	16.6887	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 93.76%		
PFHpA	5.398	363.0 -> 319.0	732232	9.5902	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.90%		
5-3 FTCA	5.470	341.0 -> 237.0	877468	177.1489	µg/L	92
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 88.57%		
PFPeS	5.506	348.9 -> 80.0	187890	10.9476	µg/L	96
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 116.34%		
DONA	5.551	377.0 -> 251.0	1804537	16.4172	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 86.86%		
6-2 FTSA	5.654	427.0 -> 407.0	350683	36.4672	µg/L	87
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 95.97%		

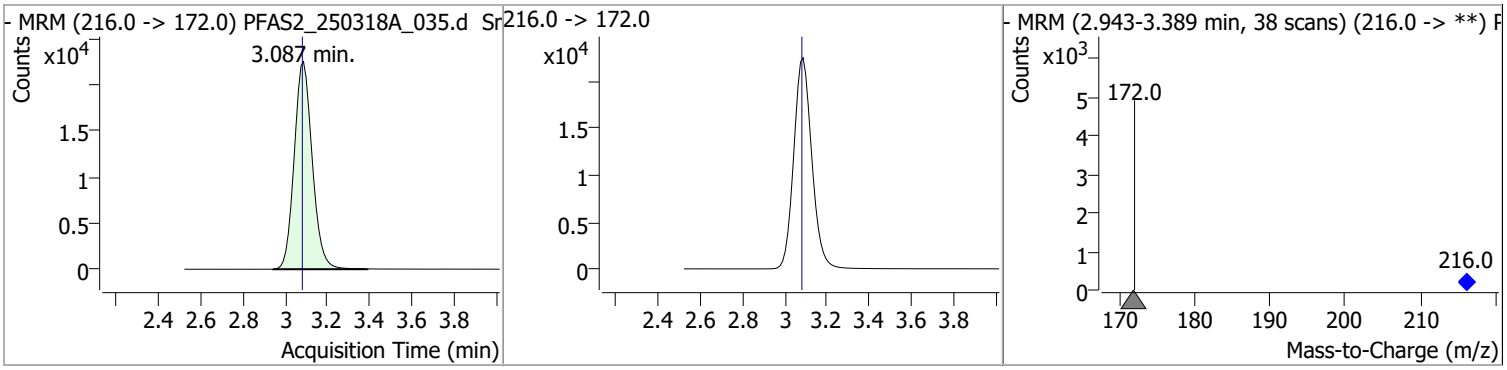
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFOA	5.824	413.0 -> 369.0	695747	9.4267	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.27%			
PFHxS	5.957	398.9 -> 80.0	119210	9.6421	µg/L		92
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 105.49%			
PFNA	6.226	463.0 -> 419.0	558401	9.7885	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.88%			
PFHpS	6.382	448.9 -> 80.0	97935	8.8828	µg/L		92
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 93.21%			
8-2 FTSA	6.424	527.0 -> 507.0	173620	32.7940	µg/L	#	62
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 85.40%			
7-3 FTCA	6.609	441.0 -> 317.0	694372	183.4898	µg/L		89
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 91.74%			
PFDA	6.604	513.0 -> 469.0	572153	10.0924	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.92%			
N-MeFOSAA	6.742	570.0 -> 419.0	103882	9.6825	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.82%			
PFOS	6.772	498.9 -> 80.0	96460	9.0607	µg/L		99
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 97.64%			
N-EtFOSAA	6.953	584.0 -> 419.0	80048	9.8936	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.94%			
PFUnDA	6.979	563.0 -> 519.0	426634	9.7367	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.37%			
9Cl-PF3ONS	7.041	530.9 -> 350.9	926689	16.0791	µg/L		95
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 85.98%			
PFNS	7.148	548.9 -> 80.0	88467	9.7838	µg/L		92
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 101.70%			
PFDoDA	7.356	613.0 -> 569.0	344841	10.1811	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.81%			
PFDS	7.525	598.9 -> 80.0	72171	10.6823	µg/L		94
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 110.70%			
PFTrDA	7.724	663.0 -> 619.0	417070	10.9326	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 109.33%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	426137	17.2472	µg/L		95
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 91.26%			
PFTDA	8.081	712.9 -> 669.0	369697	10.9735	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 109.73%			
PFDoS	8.228	698.9 -> 80.0	45109	9.5482	µg/L		95
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 98.44%			
PFOSA	8.783	497.9 -> 78.0	133874	10.1377	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.38%			
MeFOSE	9.866	616.0 -> 59.0	451273	106.4479	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 106.45%			
N-MeFOSA	9.992	512.0 -> 219.0	39641	10.0451	µg/L		89
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.45%			
EtFOSE	10.210	630.0 -> 59.0	269708	107.9646	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 107.96%			
N-EtFOSA	10.323	526.0 -> 219.0	45304	10.3954	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.95%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

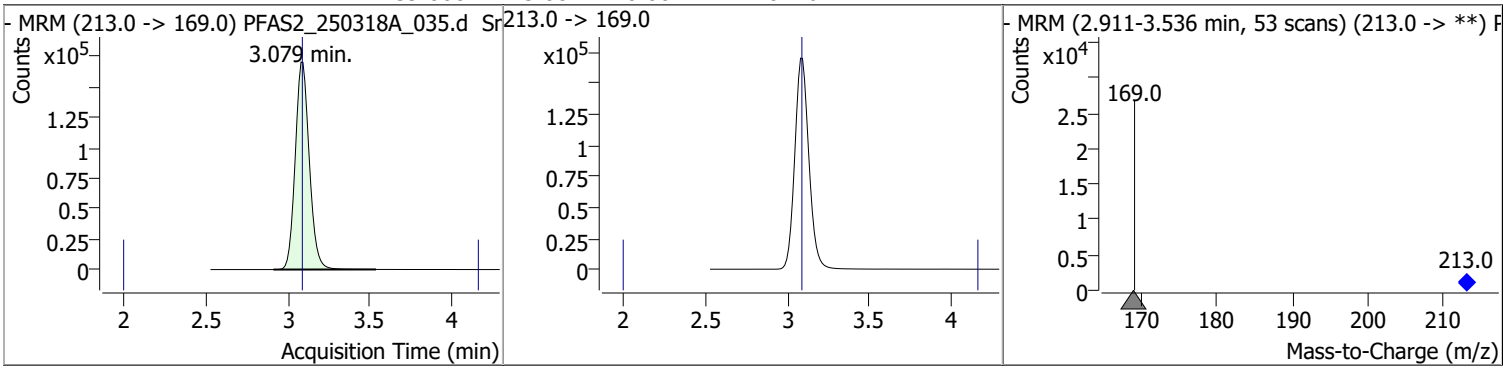
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8763	3.08	0.01	297756				



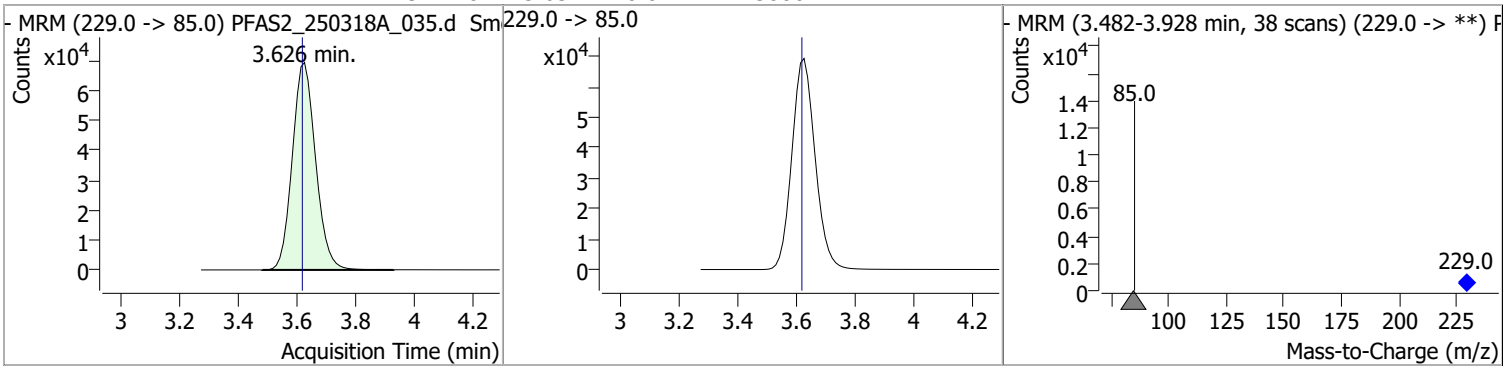
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.09	0.01	132668				



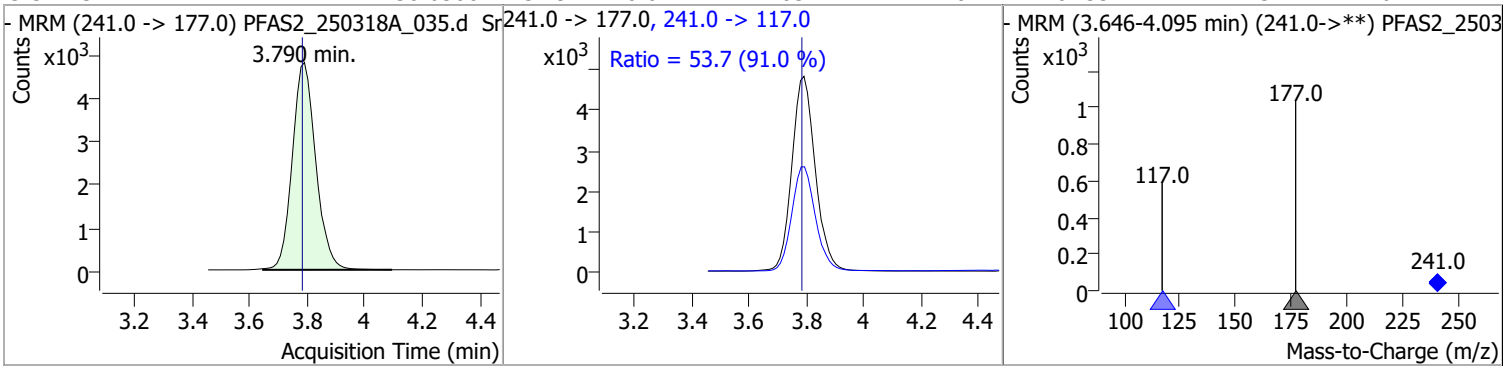
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	39.0082	3.08	0.00	1017671				



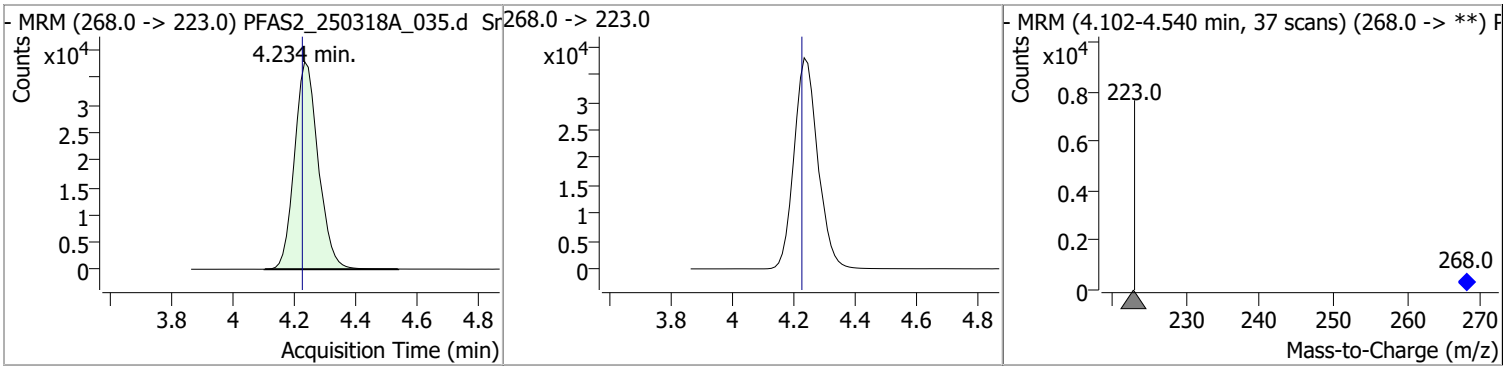
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.2418	3.63	0.01	380044				



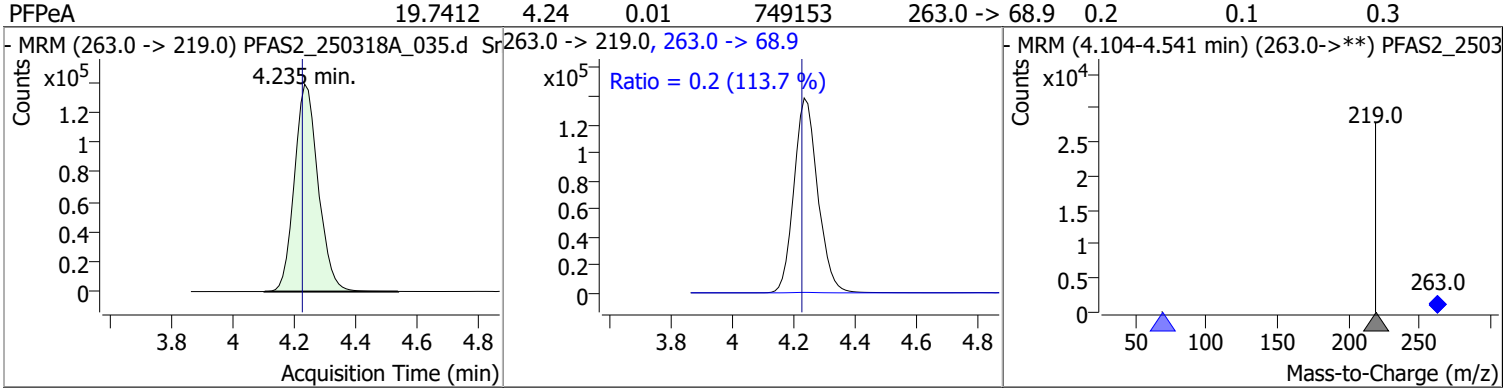
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	38.6500	3.79	0.01	27032	241.0 -> 117.0	53.7	41.3	76.7



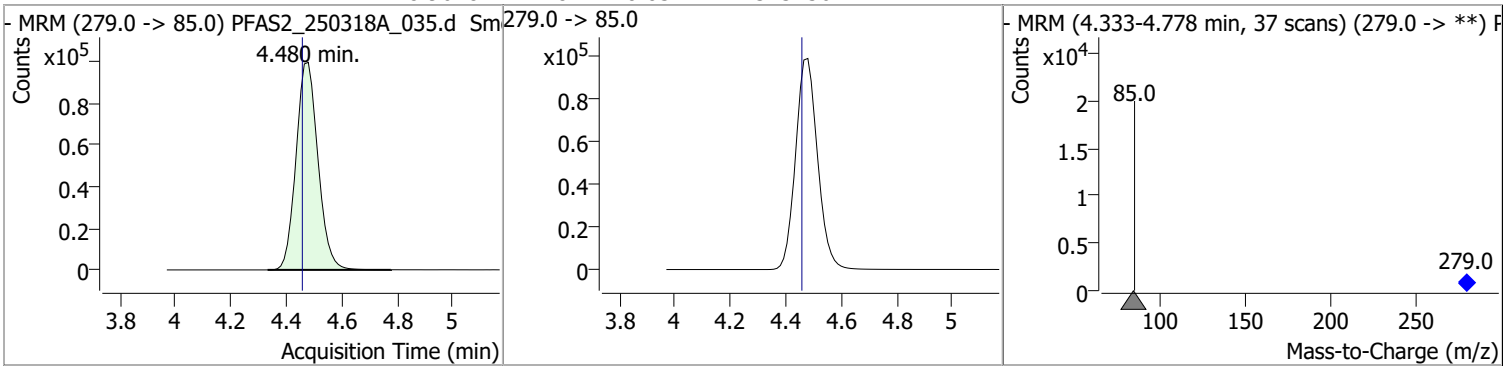
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7273	4.23	0.01	205025				



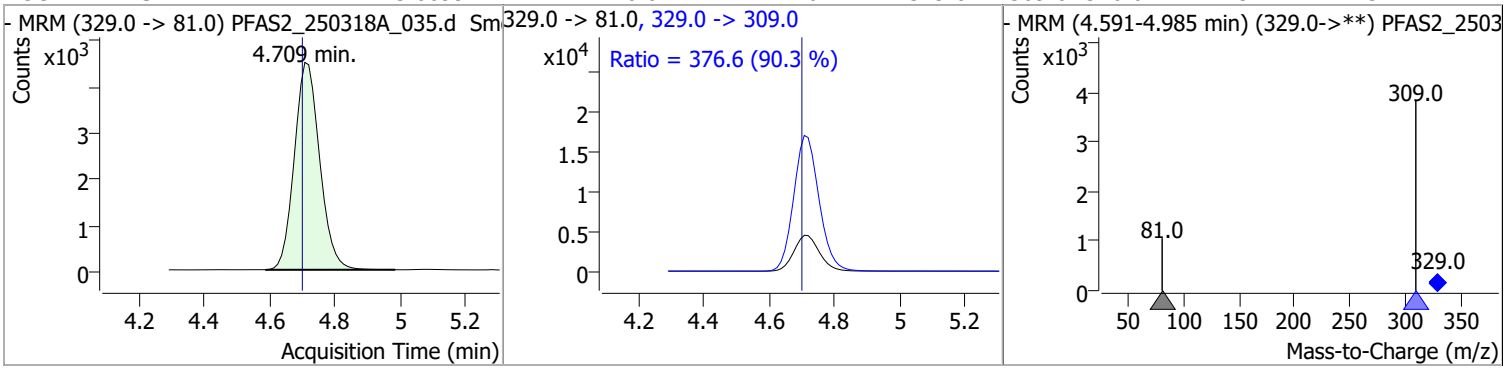
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.7412	4.24	0.01	749153	263.0 -> 68.9	0.2	0.1	0.3



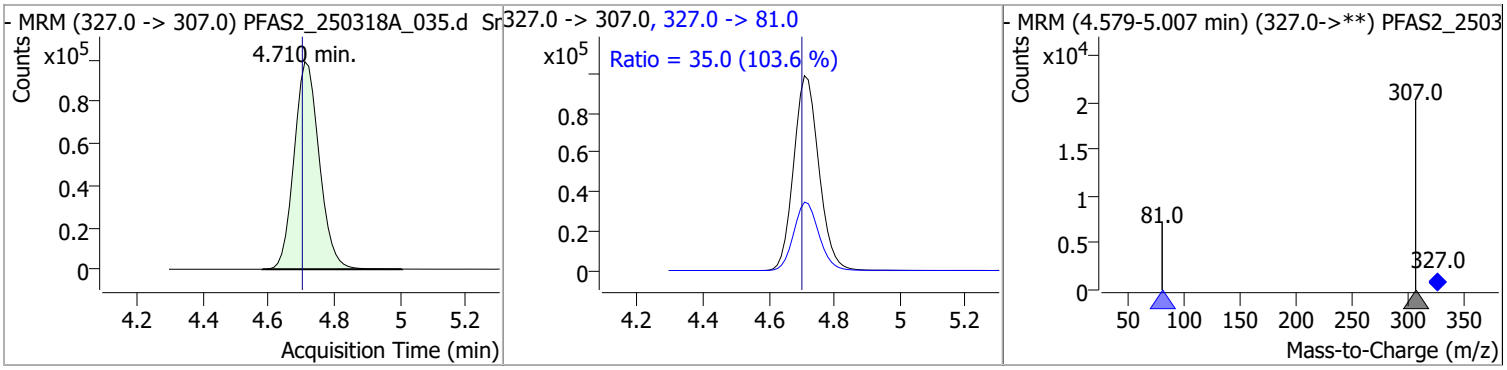
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.9648	4.48	0.03	545756				



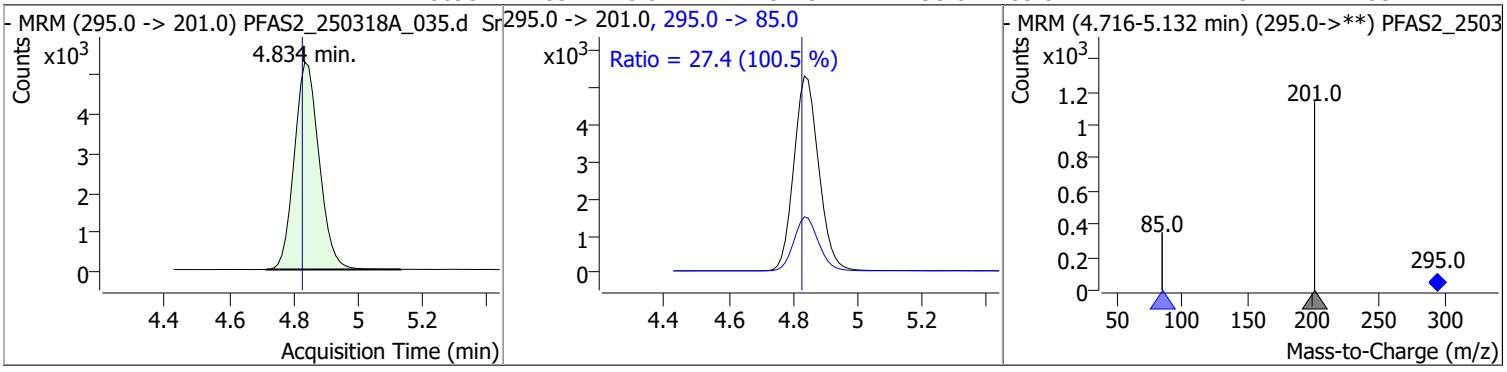
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.0099	4.71	0.01	24176	329.0 -> 309.0	376.6	292.1	542.4



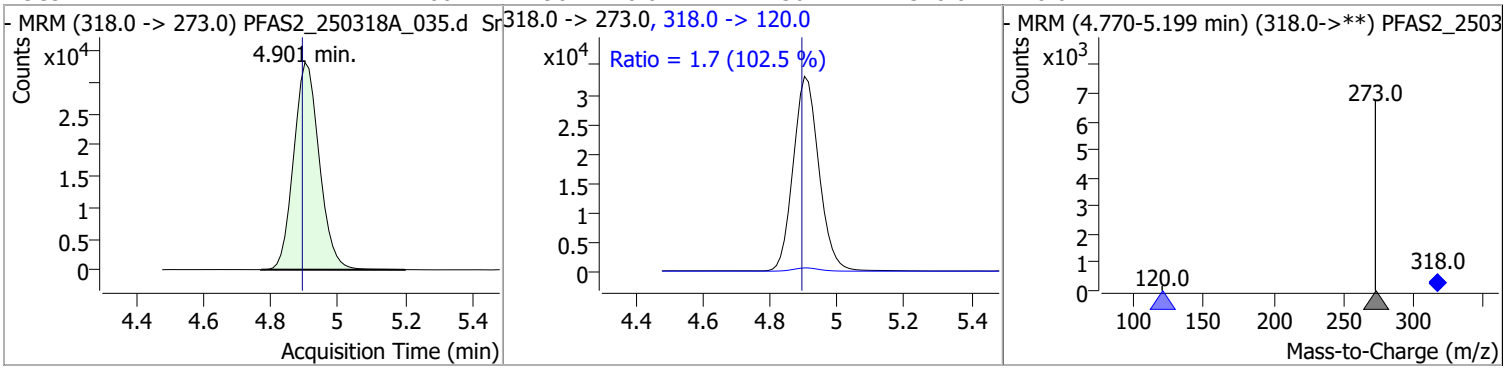
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.0253	4.71	0.01	529321	327.0 -> 81.0	35.0	23.6	43.9



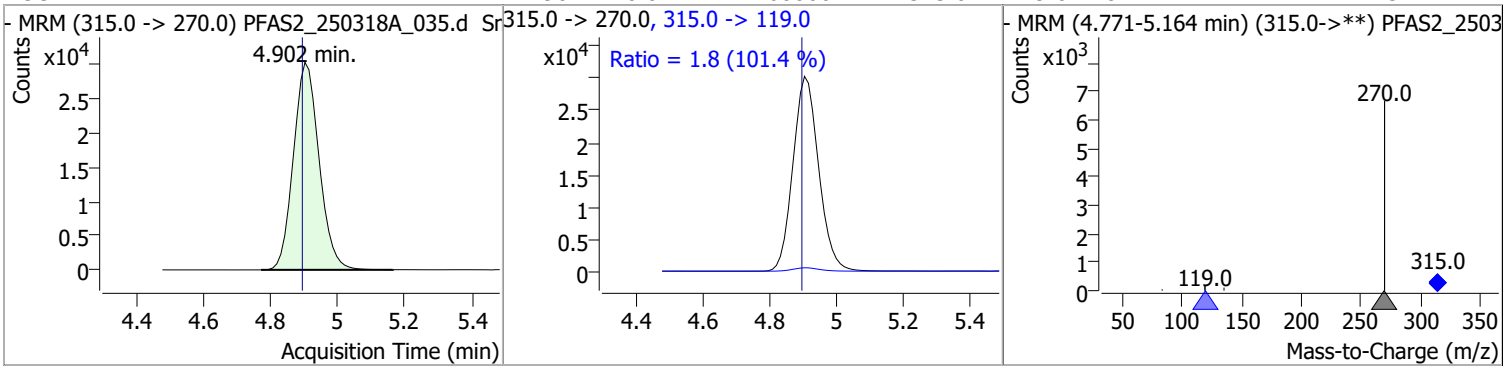
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	21.8693	4.83	0.01	28245	295.0 -> 85.0	27.4	19.1	35.4



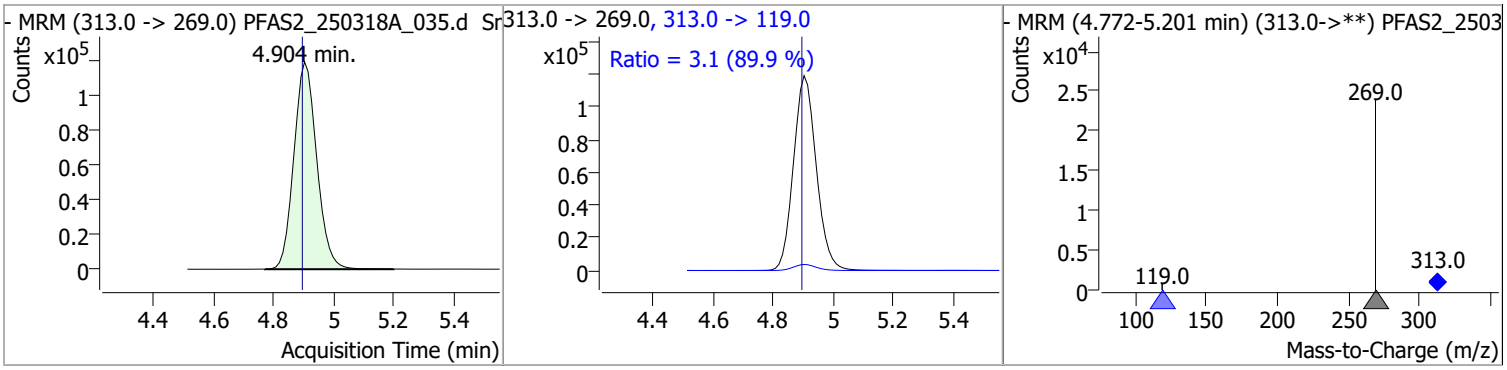
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4804	4.90	0.01	175611	318.0 -> 120.0	1.7	1.1	2.1



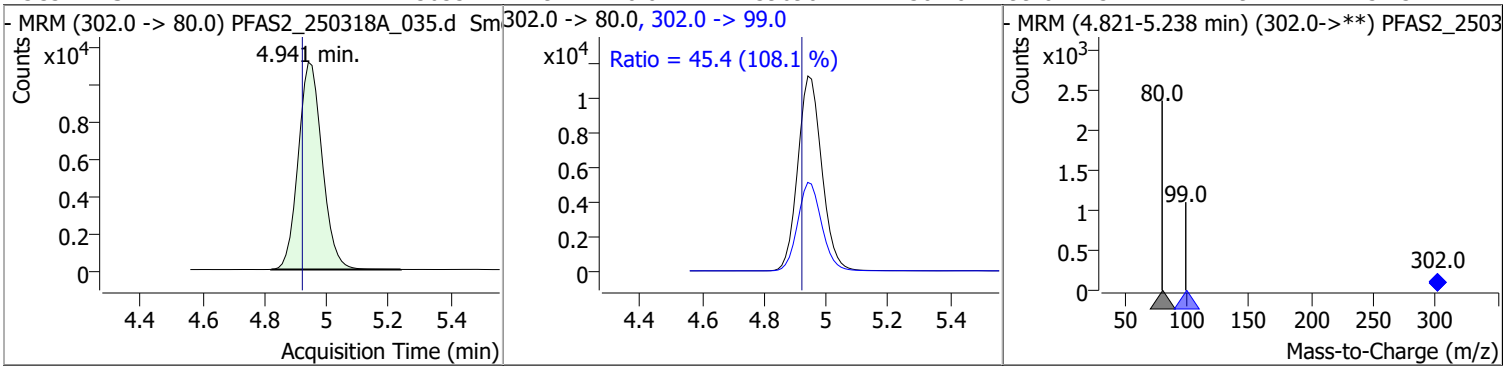
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	160800	315.0 -> 119.0	1.8	1.2	2.3



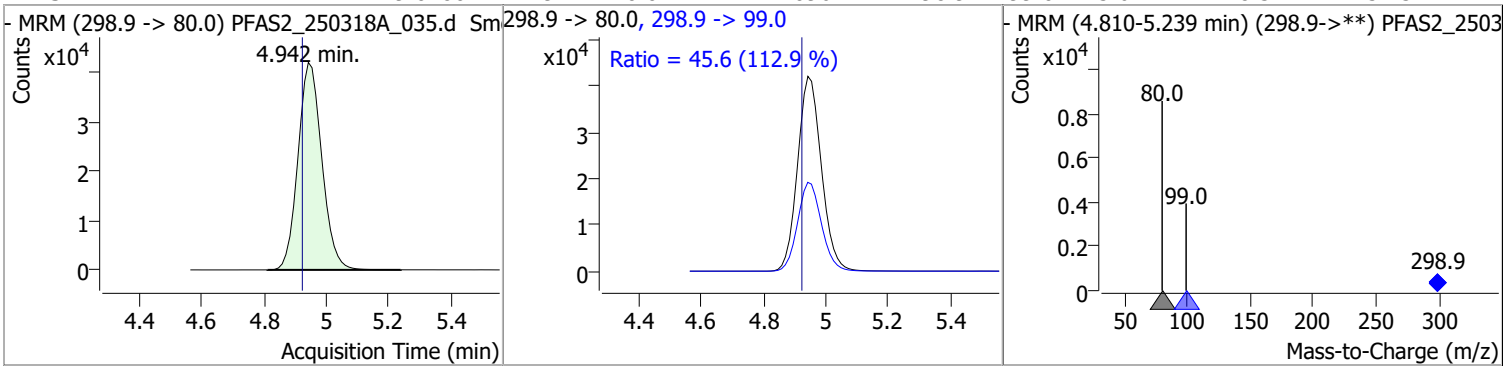
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	10.0229	4.90	0.01	629831	313.0 -> 119.0	3.1	2.4	4.5



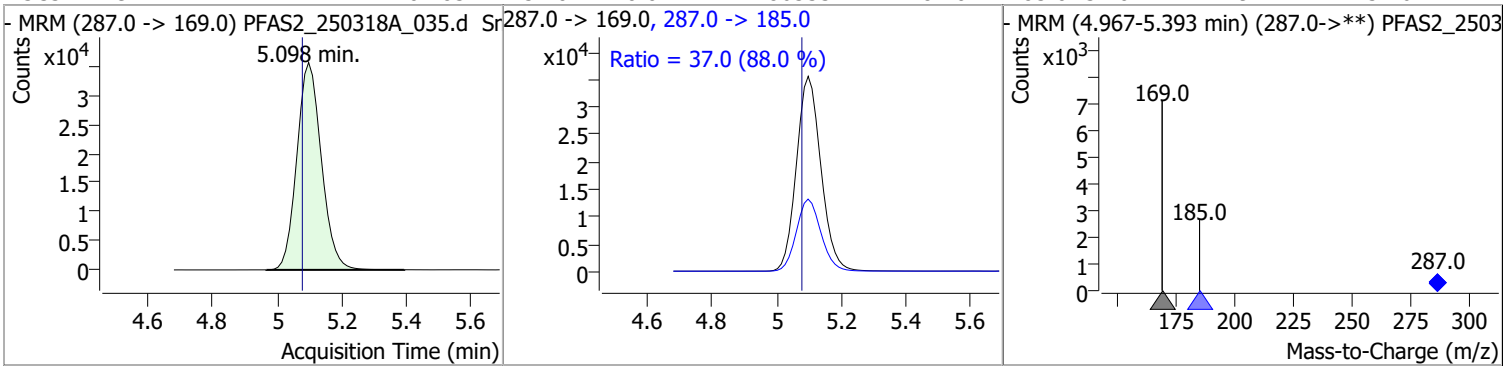
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5655	4.94	0.02	59690	302.0 -> 99.0	45.4	29.4	54.5



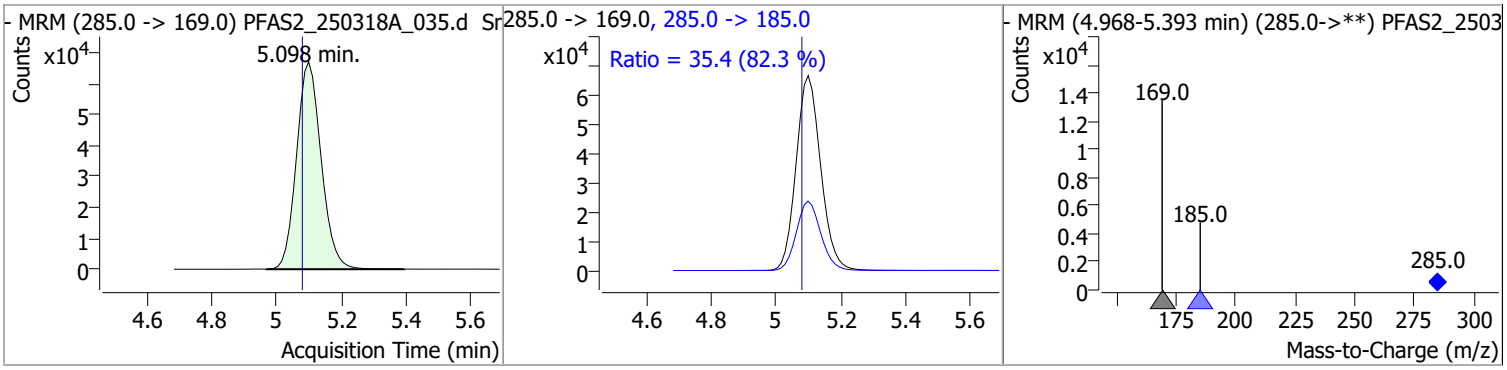
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	9.0480	4.94	0.02	224096	298.9 -> 99.0	45.6	28.3	52.5



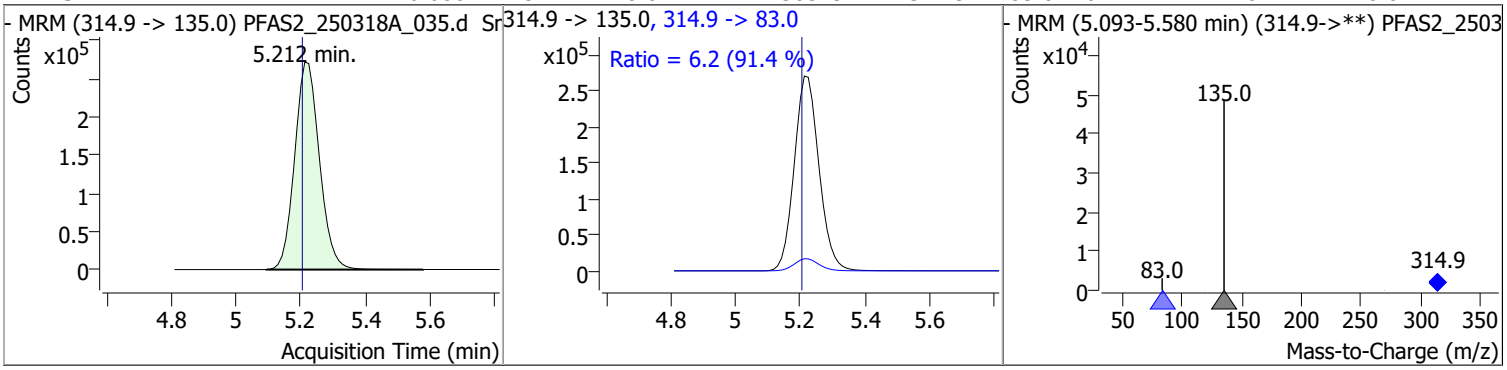
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.1831	5.10	0.02	186533	287.0 -> 185.0	37.0	29.4	54.6



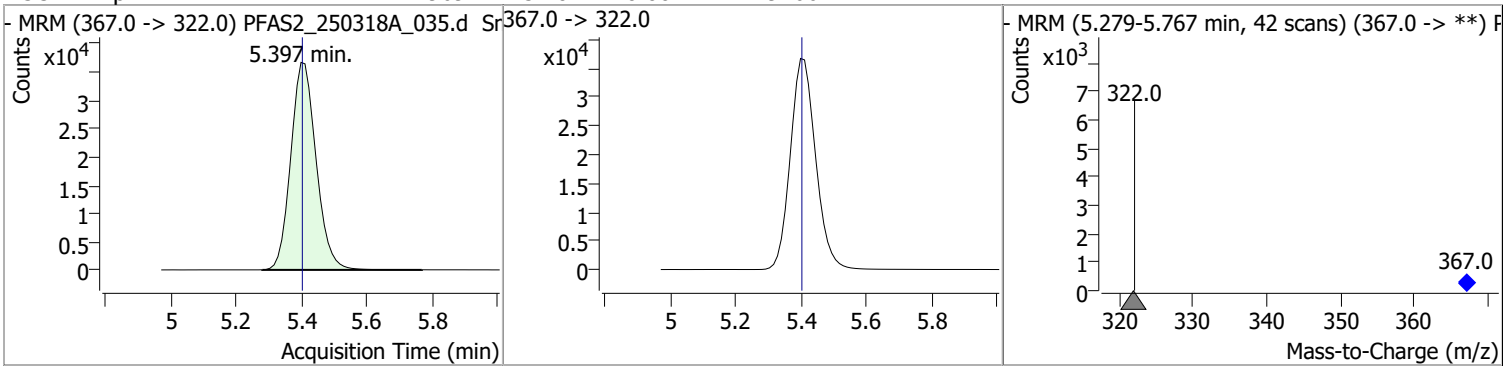
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	21.3357	5.10	0.02	353096	285.0 -> 185.0	35.4	30.1	56.0



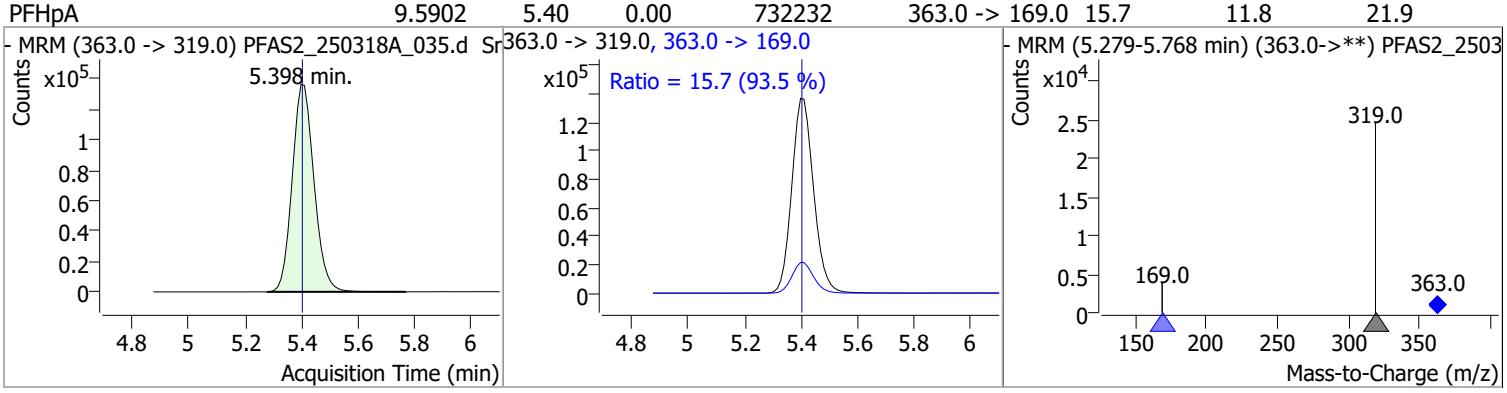
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	16.6887	5.21	0.01	1450529	314.9 -> 83.0	6.2	4.8	8.8



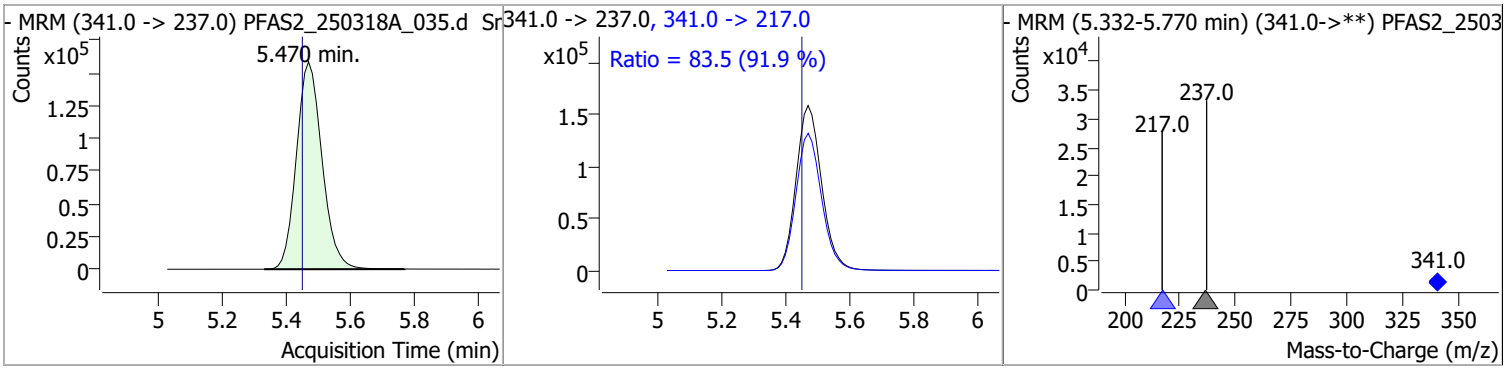
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4969	5.40	0.00	197662				



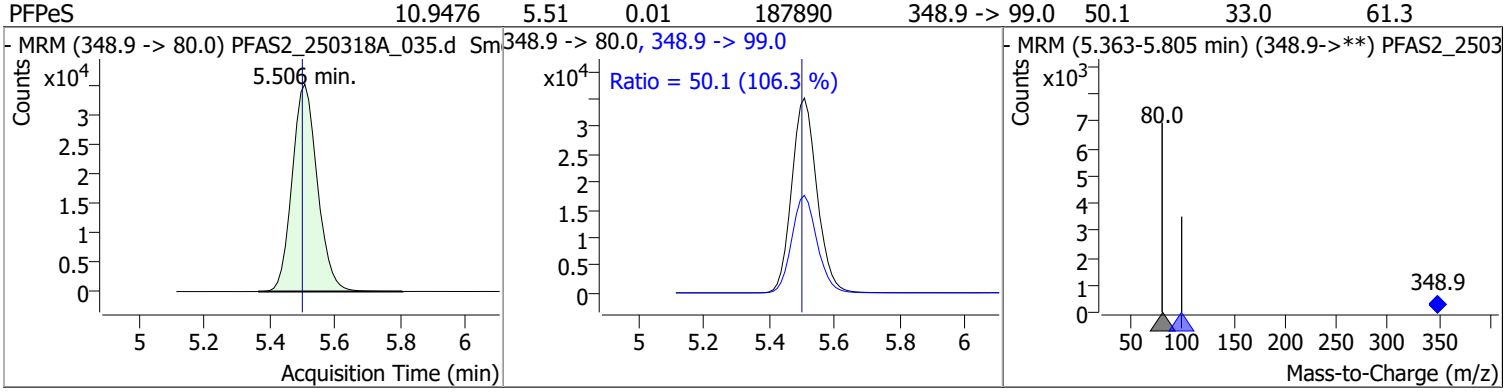
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.5902	5.40	0.00	732232	363.0 -> 169.0	15.7	11.8	21.9



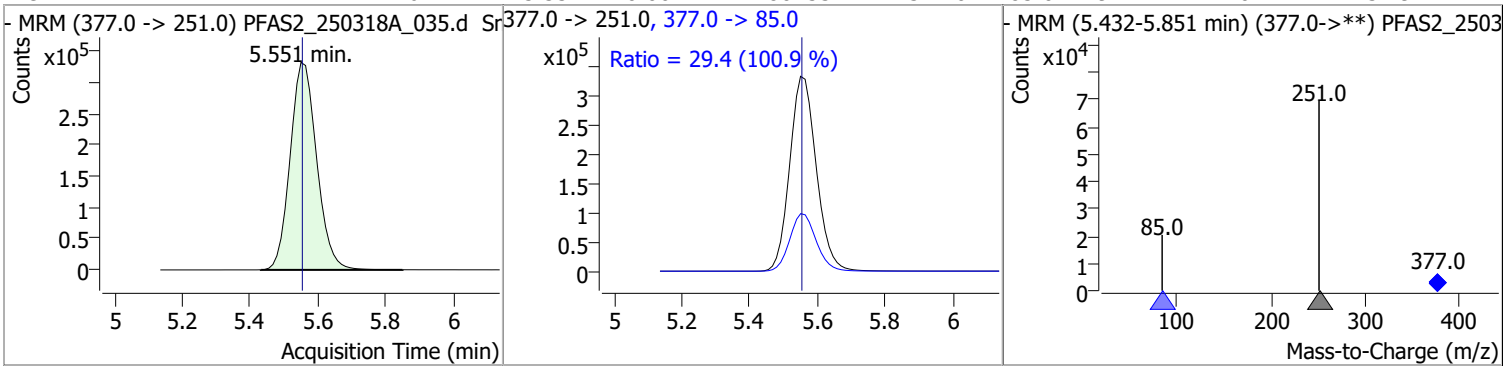
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	177.1489	5.47	0.02	877468	341.0 -> 217.0	83.5	63.6	118.1



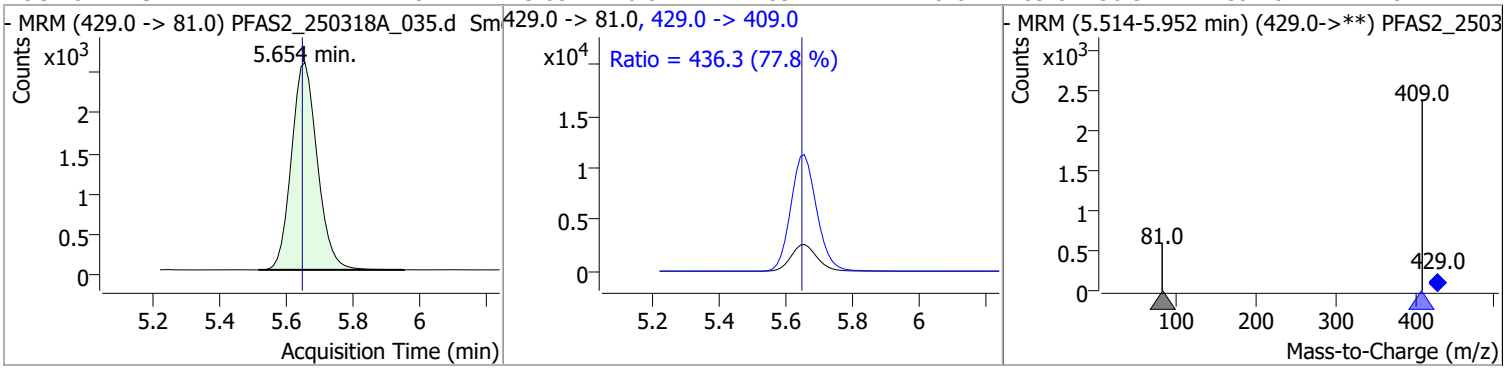
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	10.9476	5.51	0.01	187890	348.9 -> 99.0	50.1	33.0	61.3



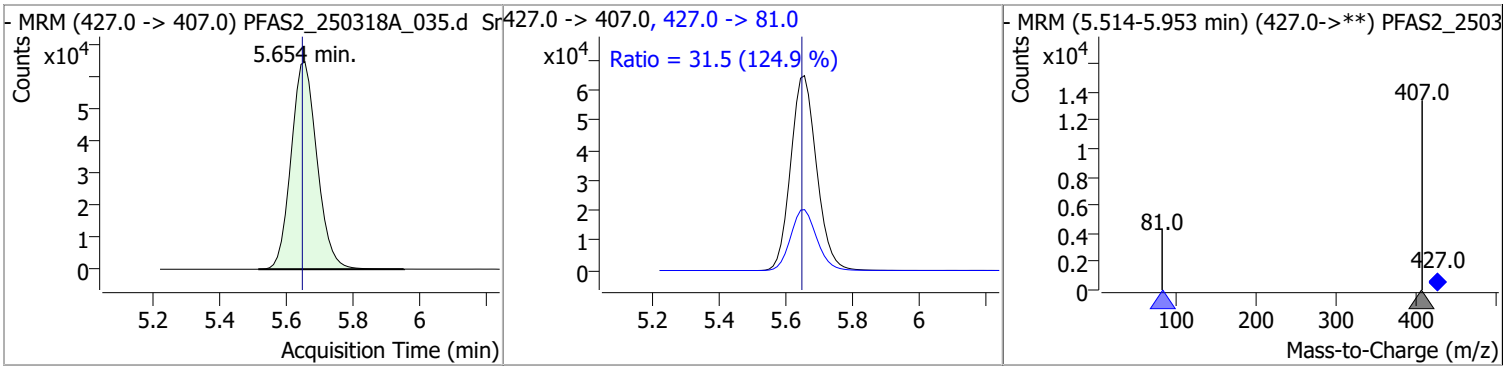
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	16.4172	5.55	0.00	1804537	377.0 -> 85.0	29.4	20.4	37.9



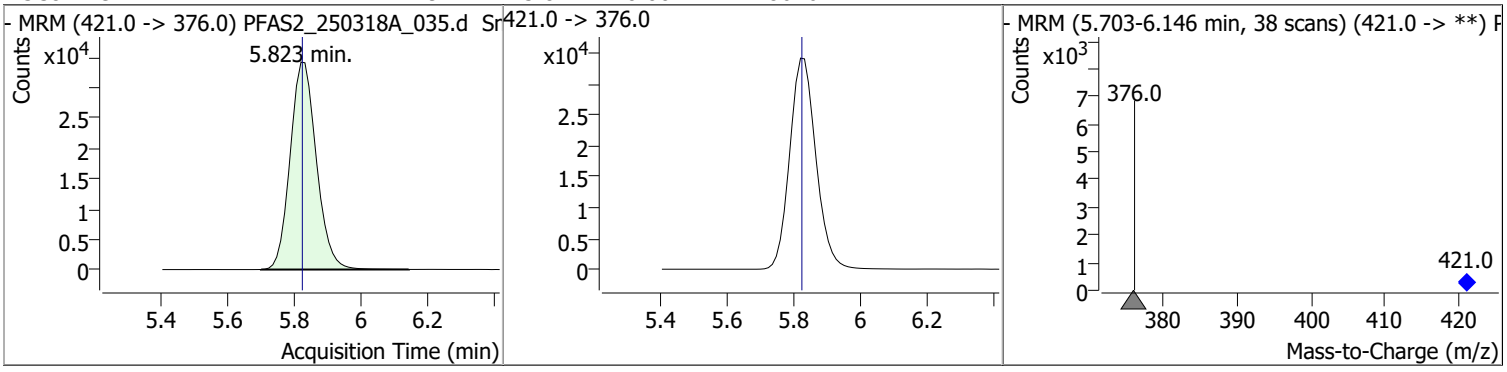
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9274	5.65	0.01	13941	429.0 -> 409.0	436.3	392.8	729.4



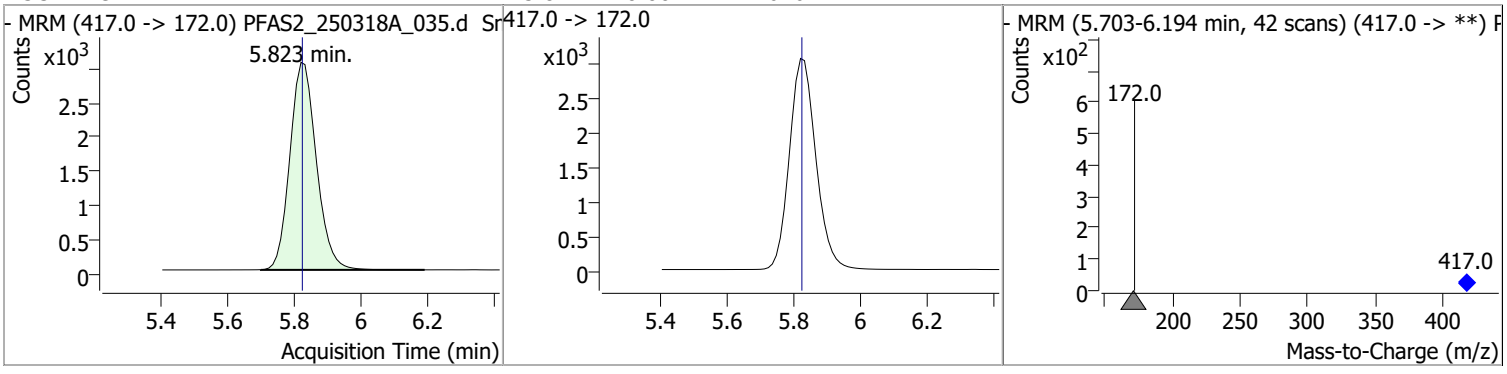
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	36.4672	5.65	0.01	350683	427.0 -> 81.0	31.5	17.7	32.8



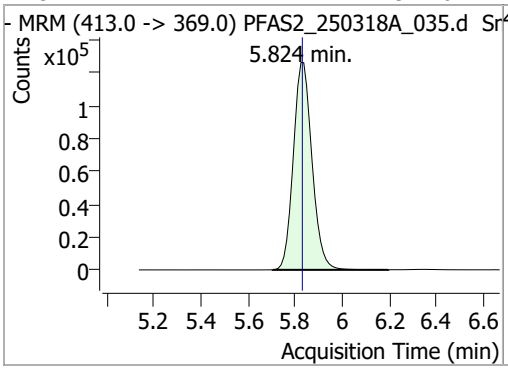
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4917	5.82	0.00	186764				

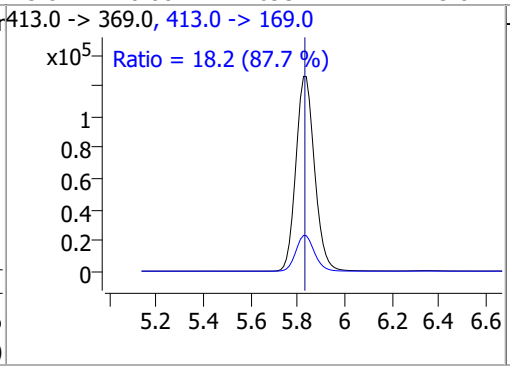


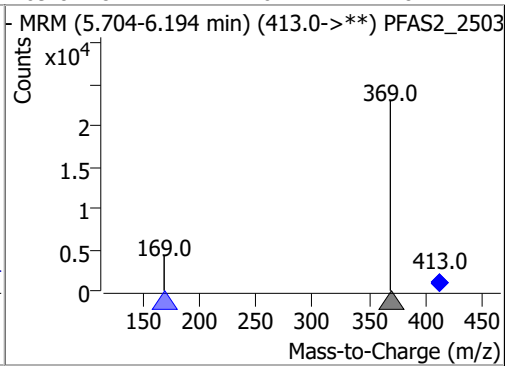
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16761				



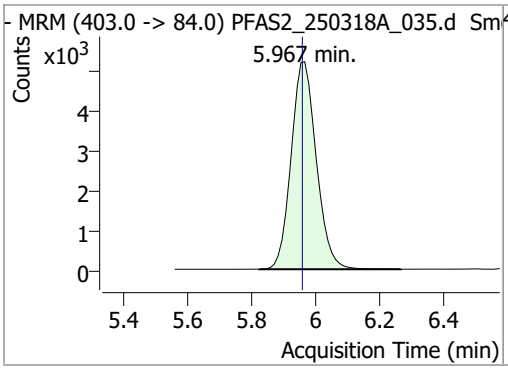
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.4267	5.82	0.00	695747	413.0 -> 169.0	18.2	14.6	27.0

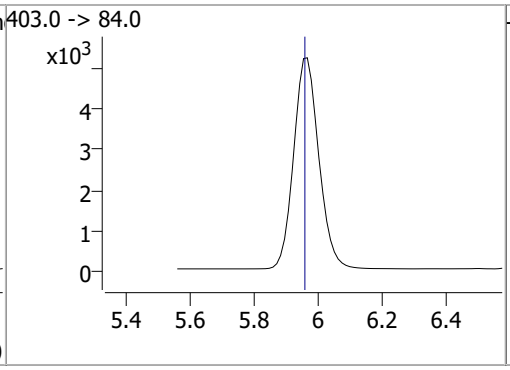


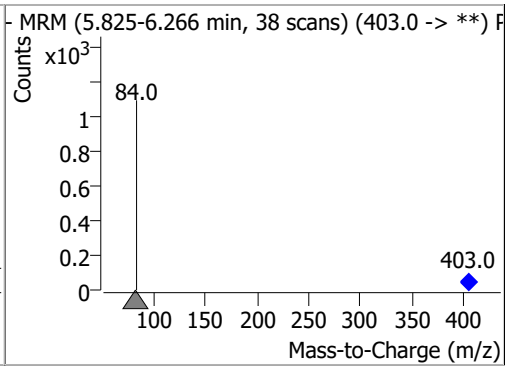




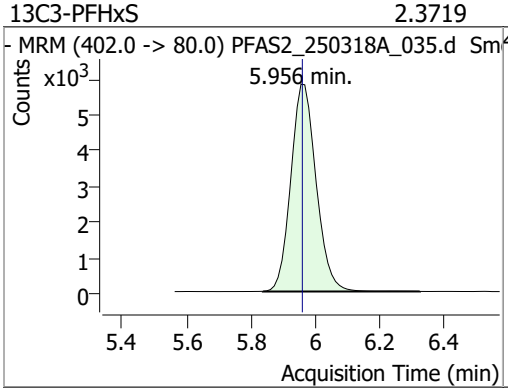
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	28412				

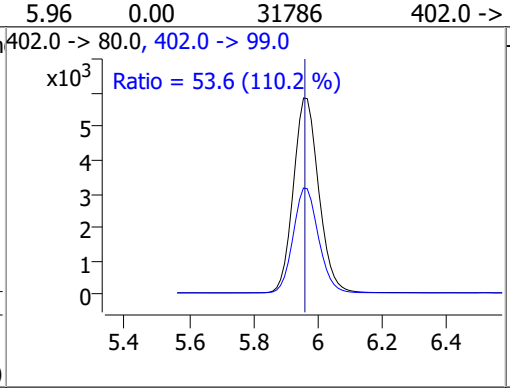


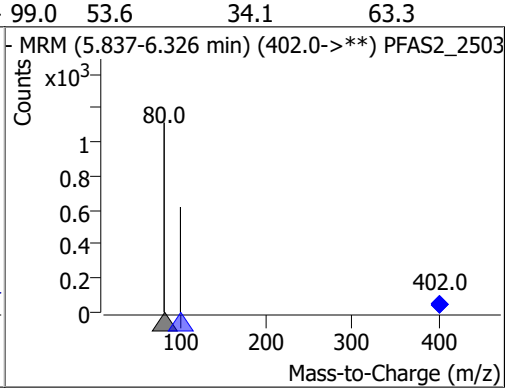




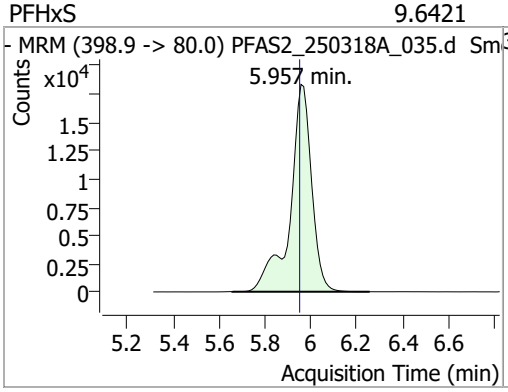
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3719	5.96	0.00	31786	402.0 -> 99.0	53.6	34.1	63.3

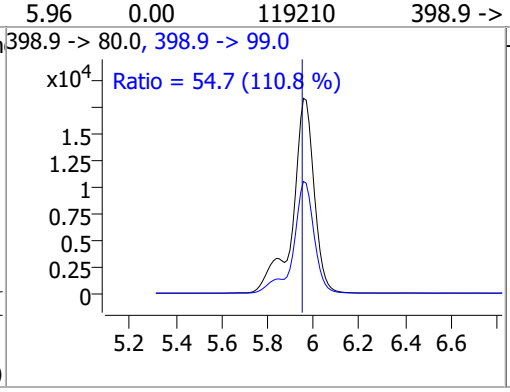


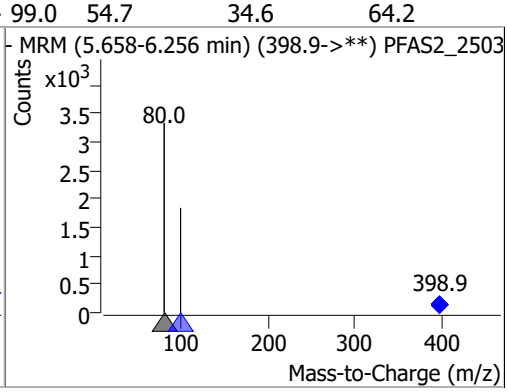




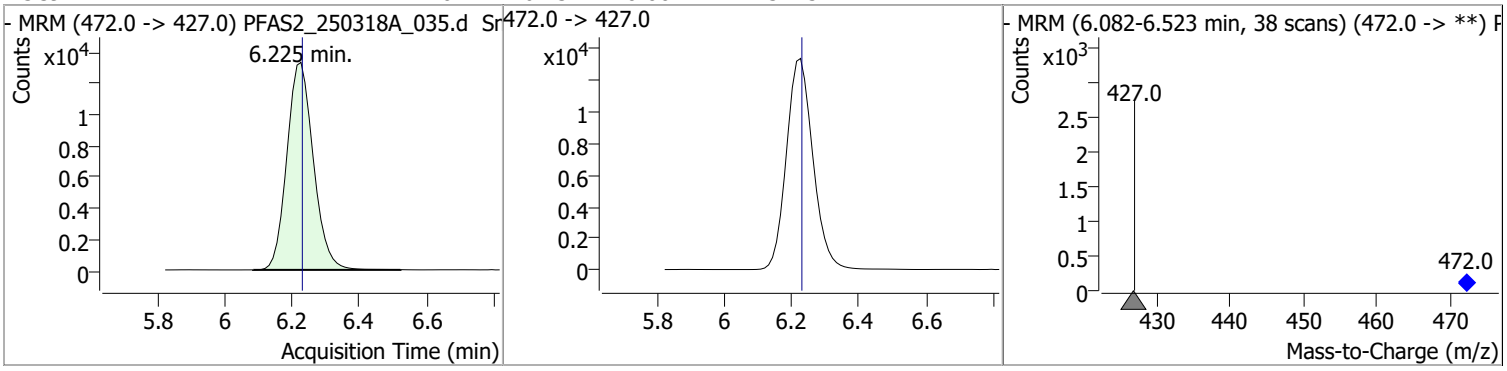
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.6421	5.96	0.00	119210	398.9 -> 99.0	54.7	34.6	64.2



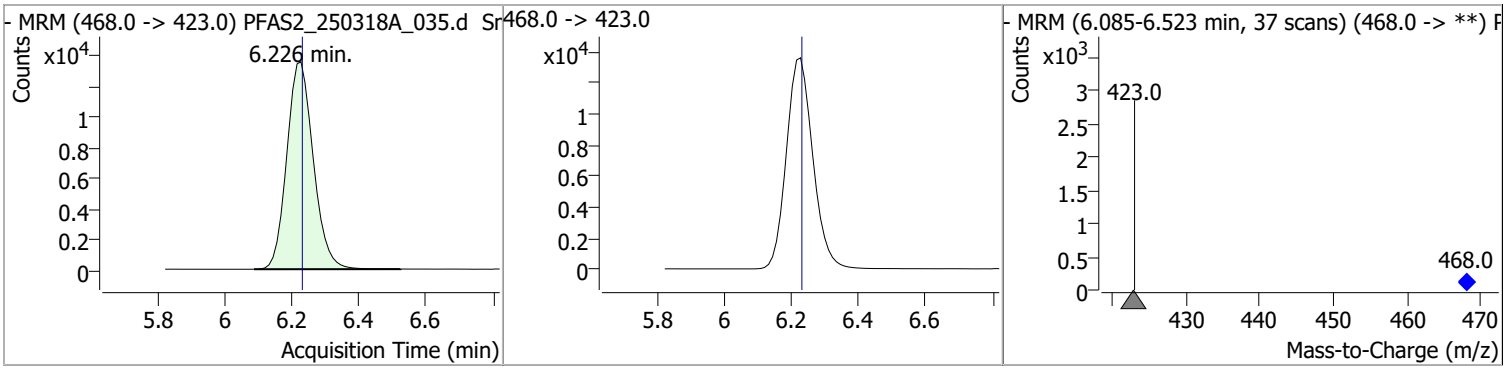




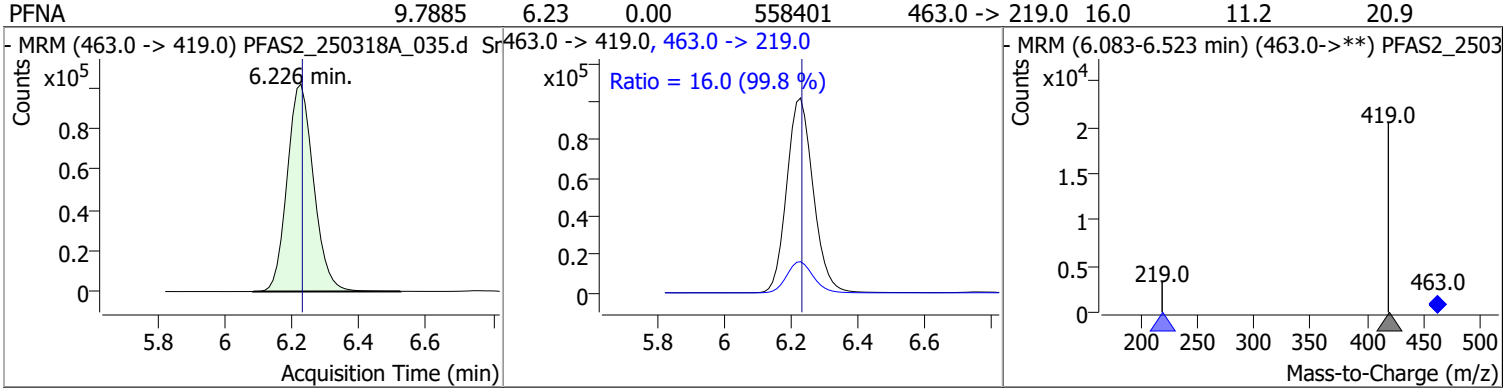
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2401	6.23	0.00	73115				



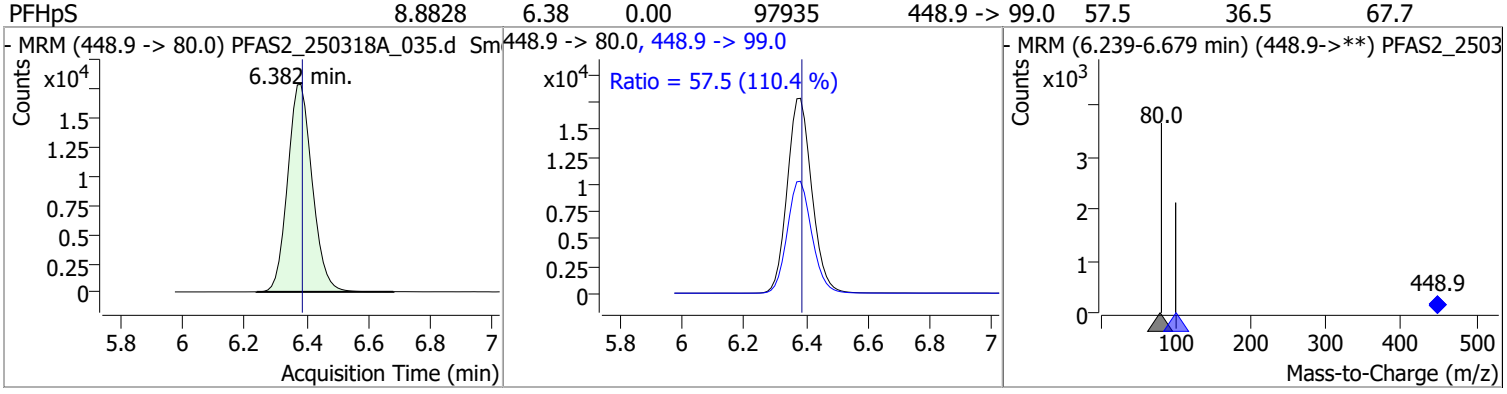
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	74407				



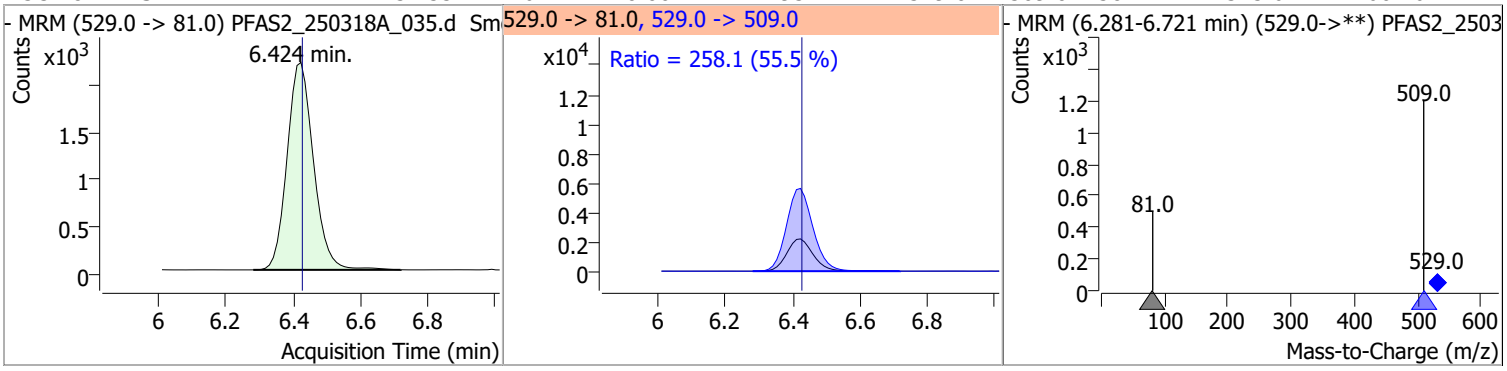
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.7885	6.23	0.00	558401	463.0 -> 219.0	16.0	11.2	20.9



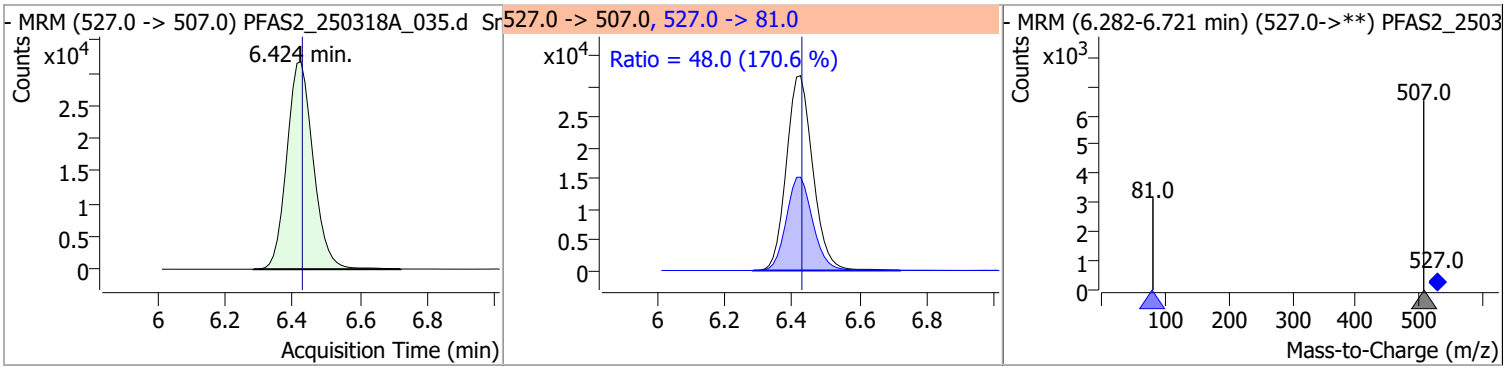
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	8.8828	6.38	0.00	97935	448.9 -> 99.0	57.5	36.5	67.7



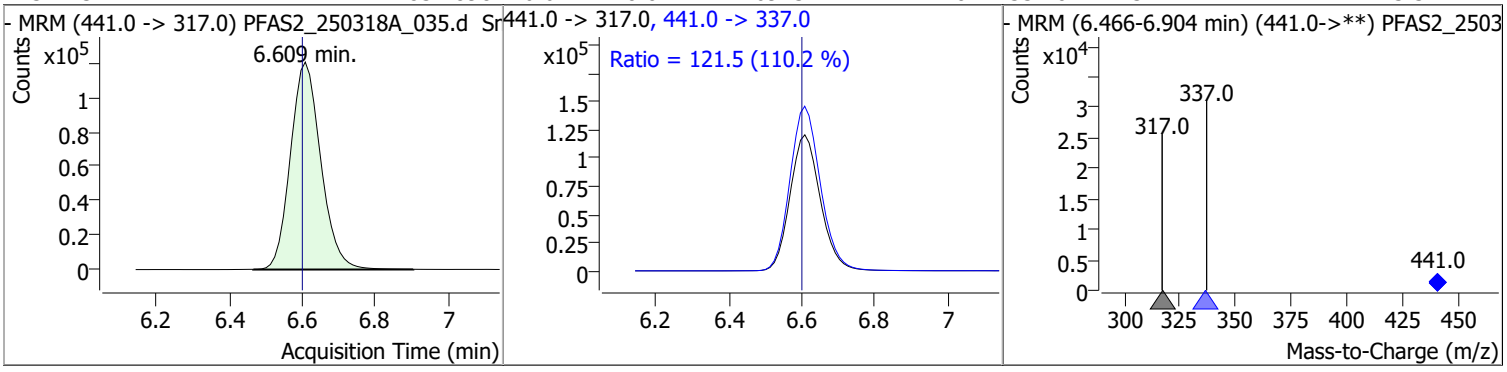
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2554	6.42	0.00	11954	529.0 -> 509.0	258.1	325.6	604.6



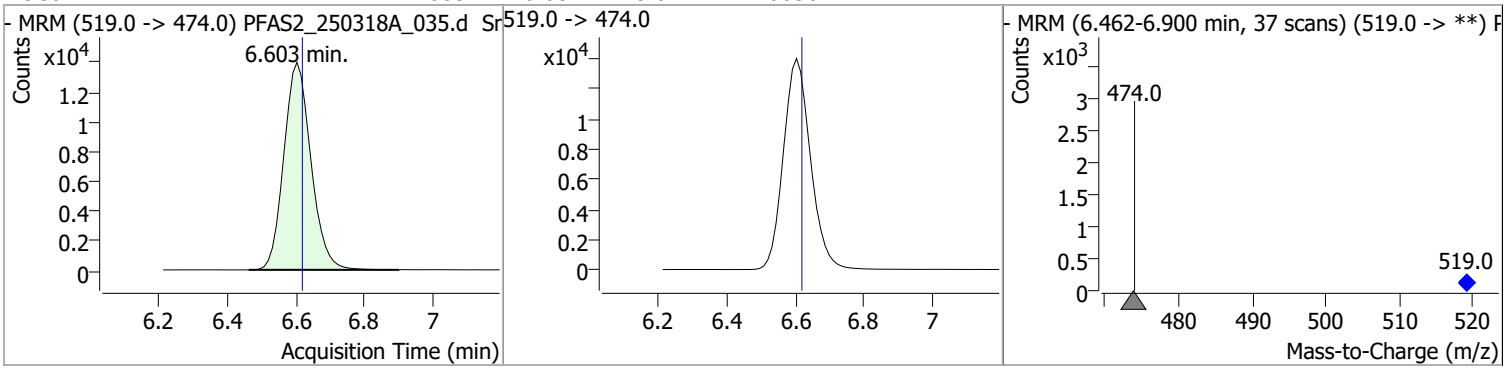
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	32.7940	6.42	0.00	173620	527.0 -> 81.0	48.0	19.7	36.6



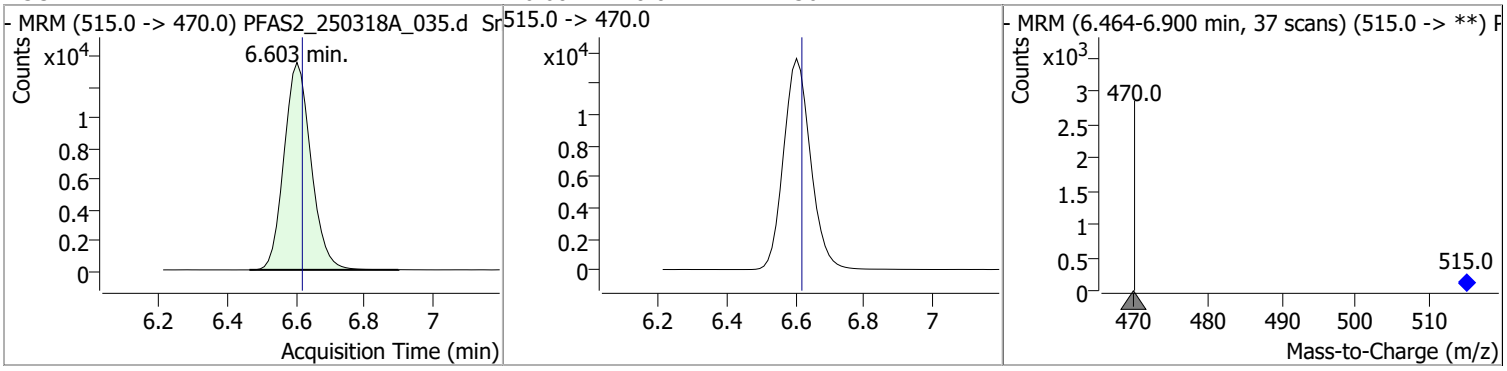
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	183.4898	6.61	0.01	694372	441.0 -> 337.0	121.5	77.1	143.3



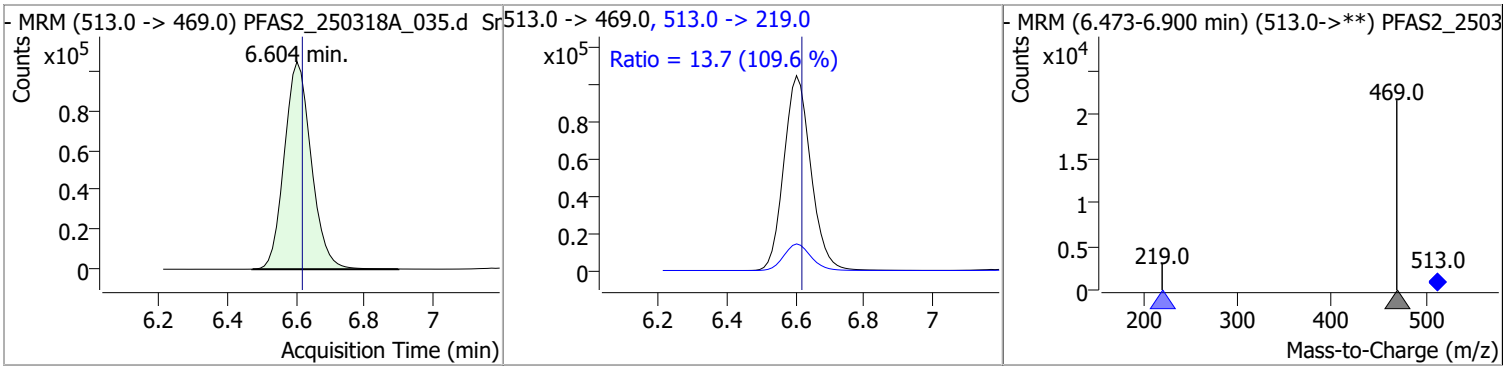
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2685	6.60	-0.01	76630				



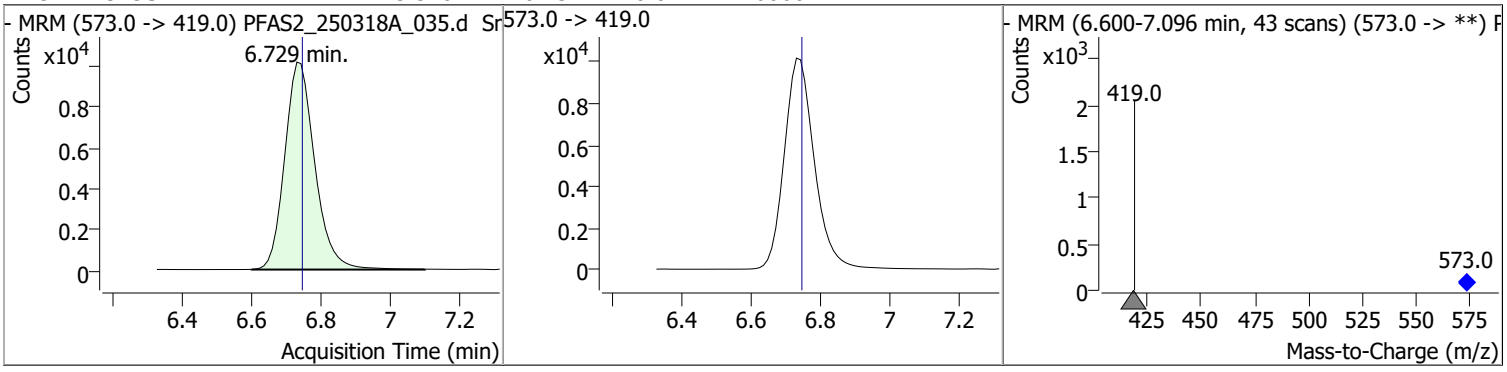
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	74236				



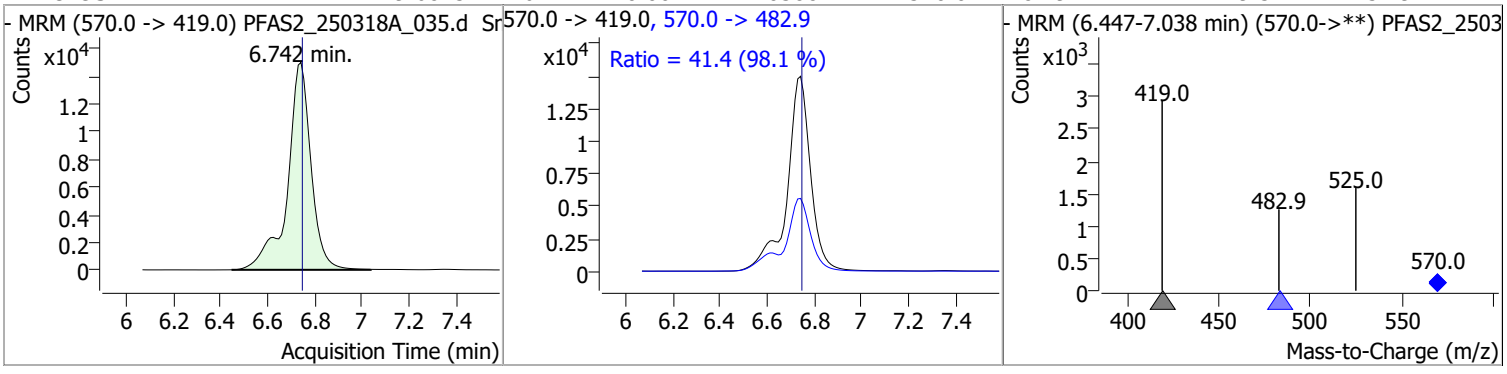
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	10.0924	6.60	-0.01	572153	513.0 -> 219.0	13.7	8.7	16.2



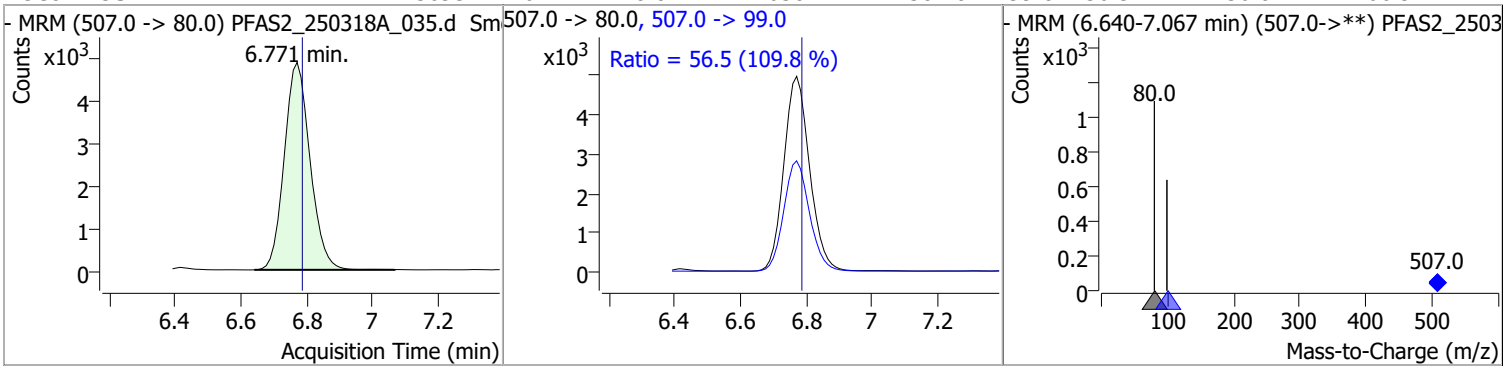
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.3201	6.73	-0.01	60681				



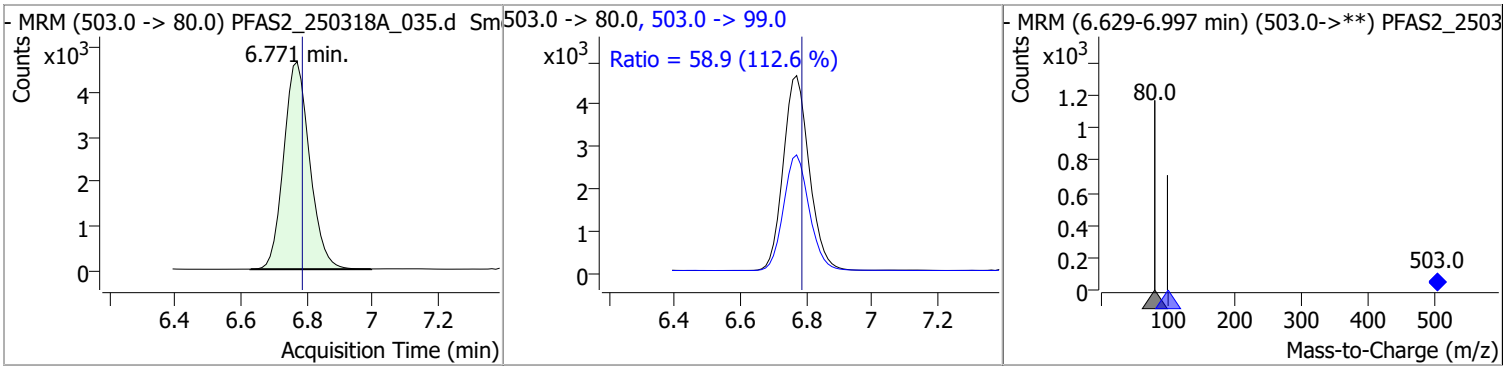
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.6825	6.74	0.00	103882	570.0 -> 482.9	41.4	29.5	54.9



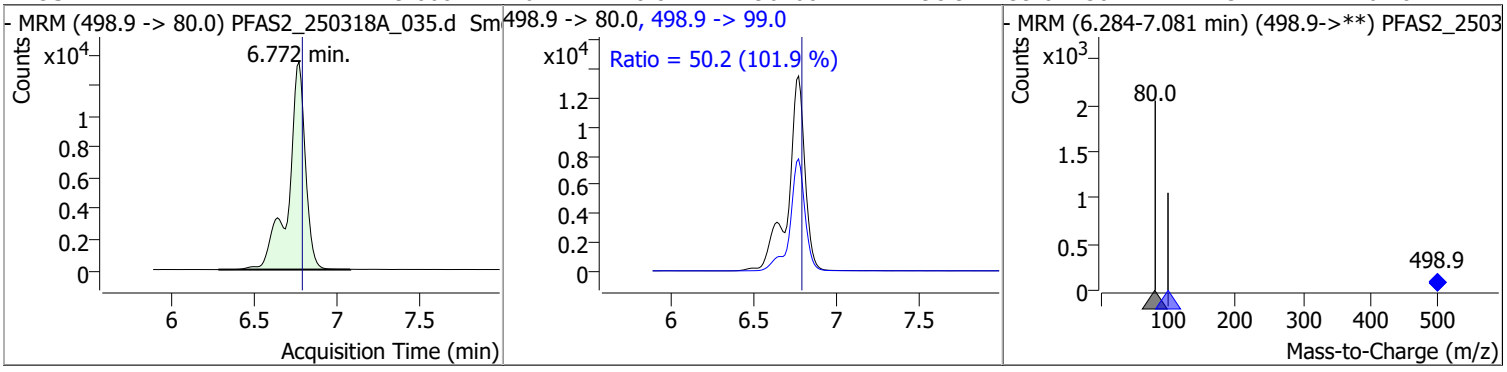
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5693	6.77	-0.01	26507	507.0 -> 99.0	56.5	36.0	66.9



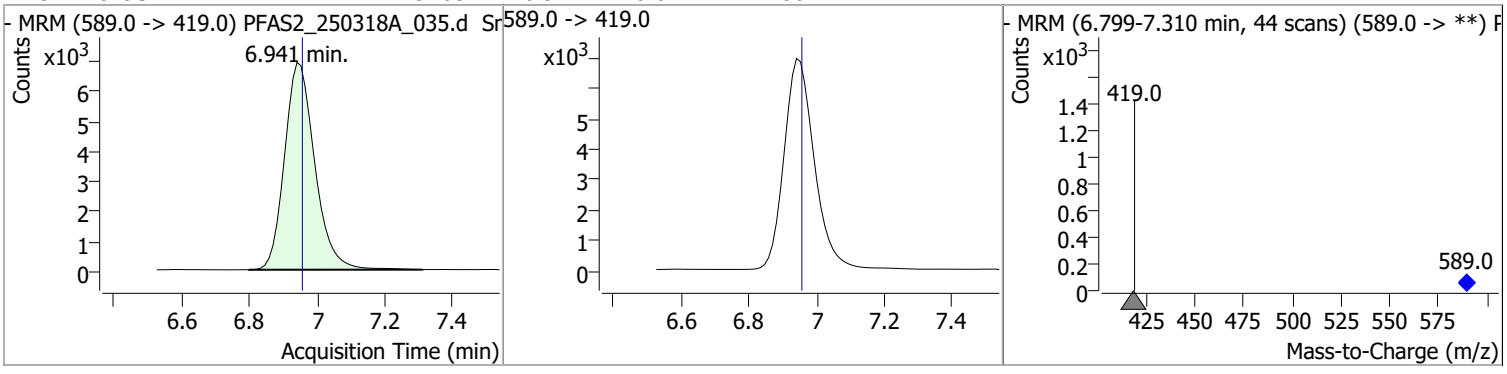
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	25420	503.0 -> 99.0	58.9	36.6	67.9



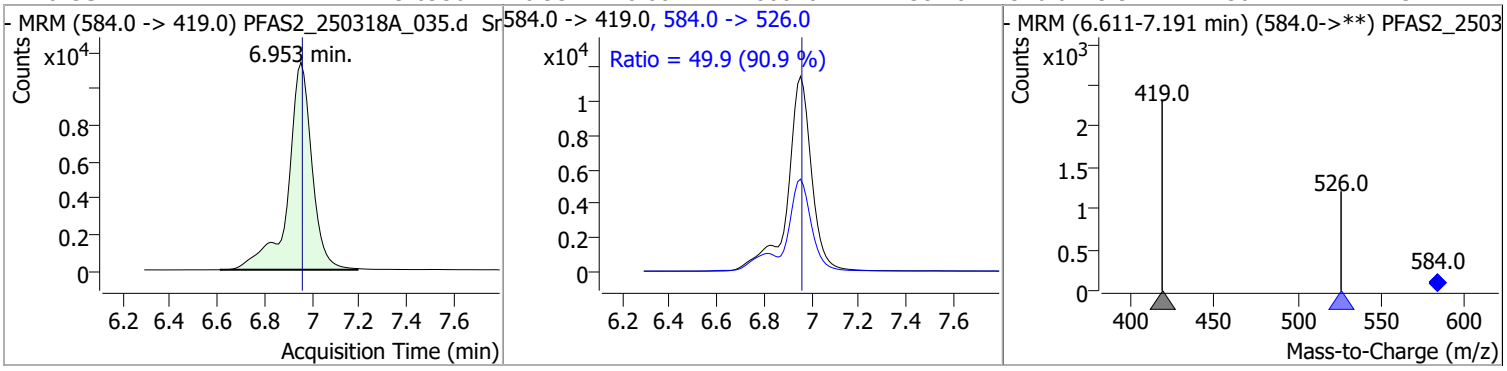
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	9.0607	6.77	-0.01	96460	498.9 -> 99.0	50.2	34.4	64.0



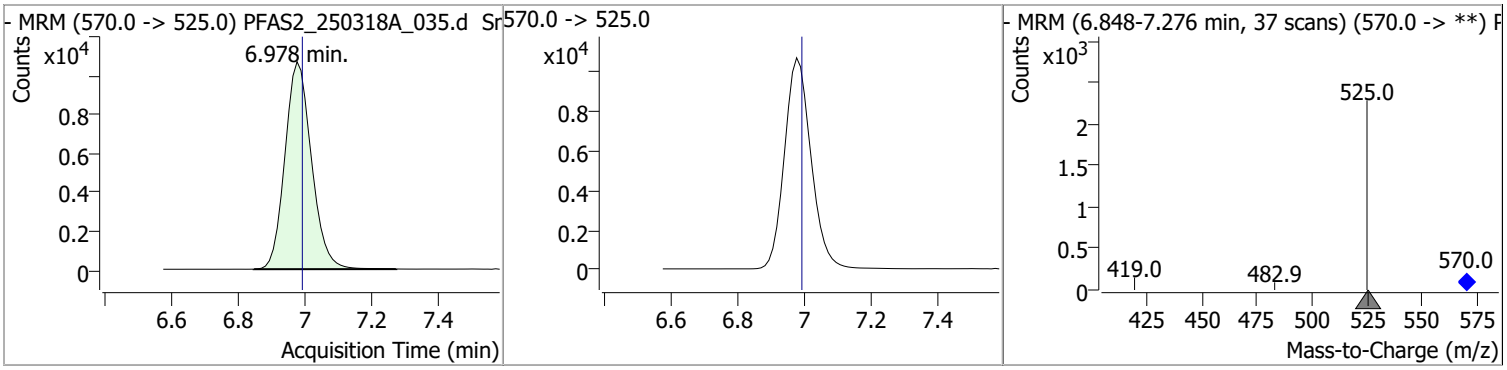
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9705	6.94	-0.01	42802				



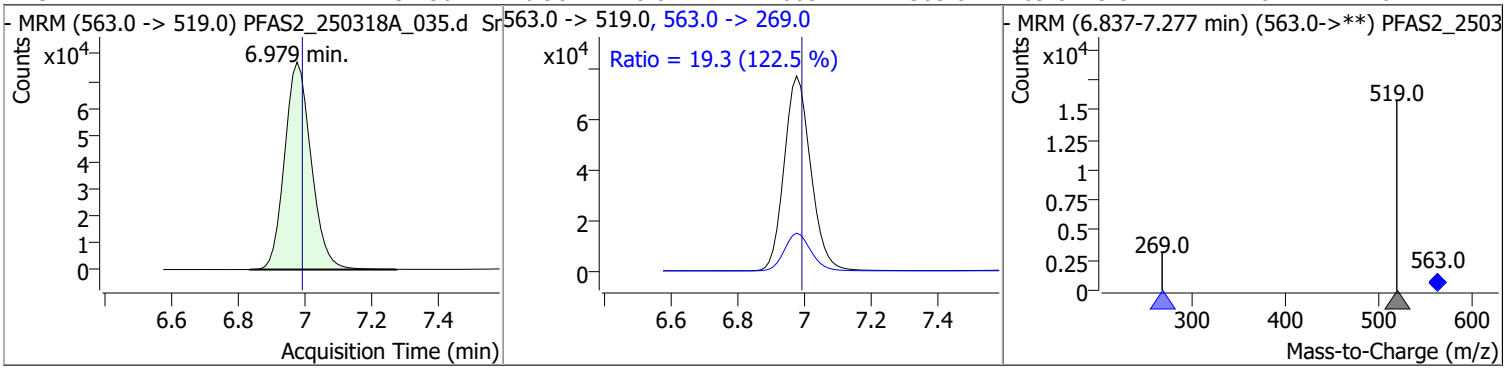
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.8936	6.95	0.00	80048	584.0 -> 526.0	49.9	38.4	71.3



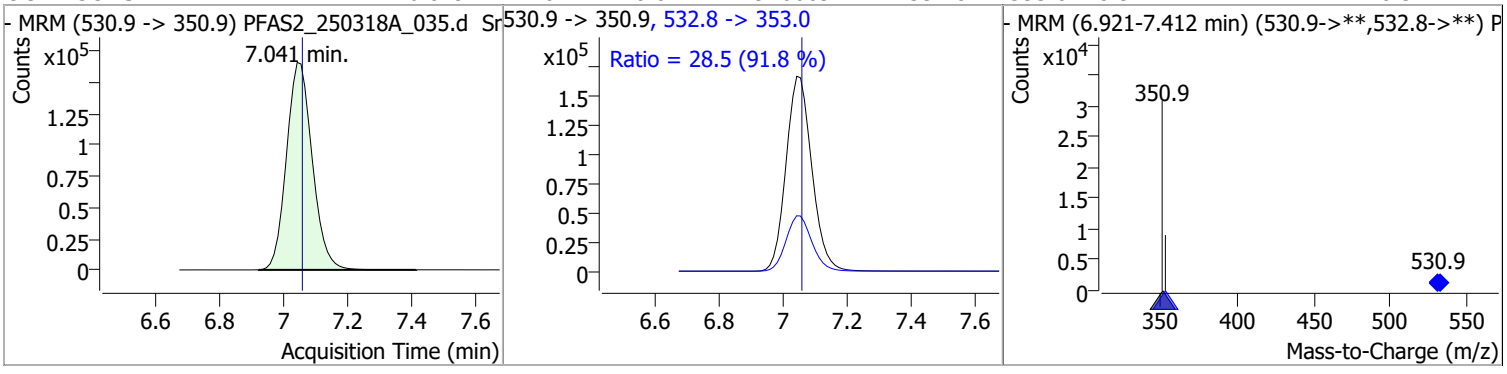
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2373	6.98	-0.01	58905				



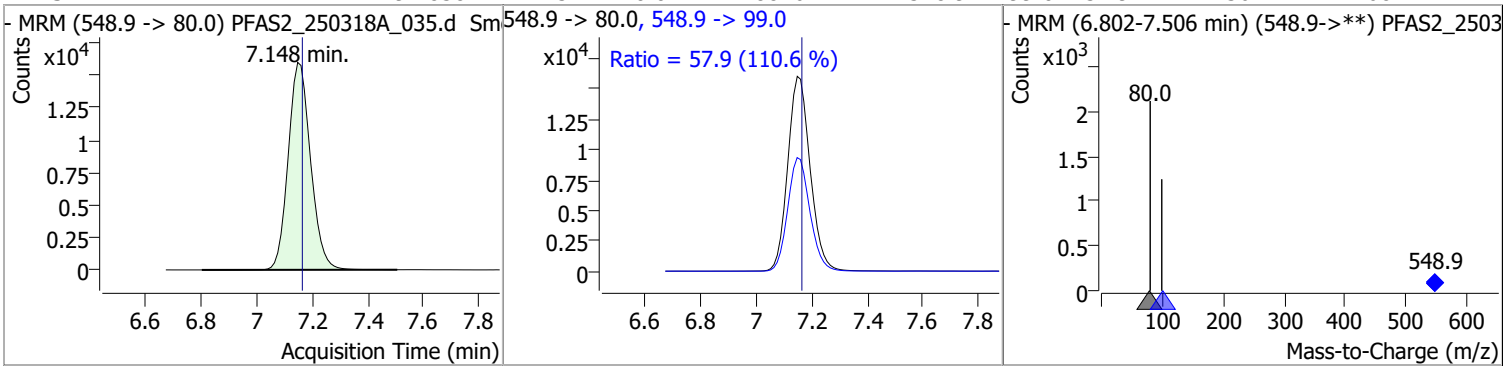
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.7367	6.98	-0.01	426634	563.0 -> 269.0	19.3	11.0	20.4



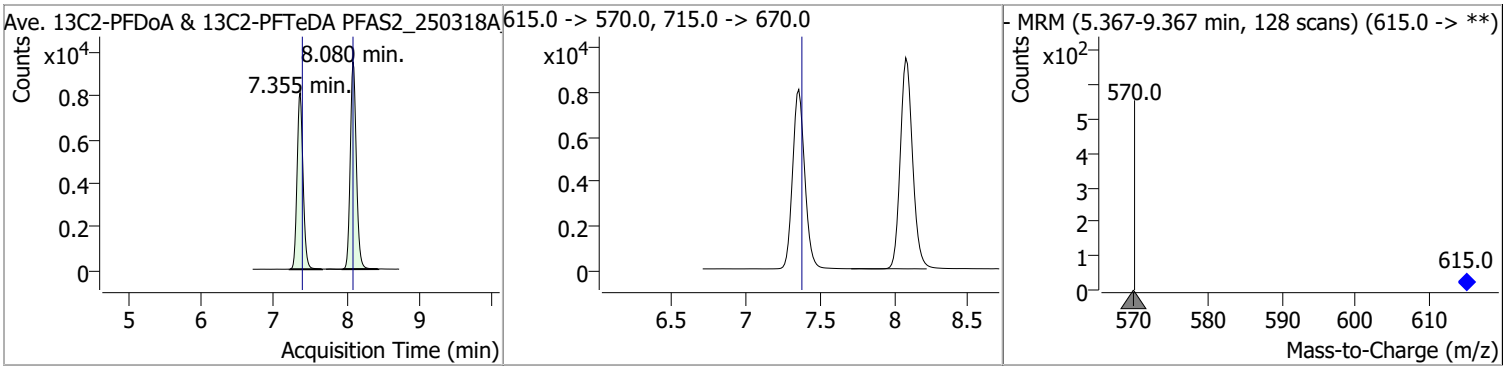
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	16.0791	7.04	-0.01	926689	532.8 -> 353.0	28.5	21.7	40.3



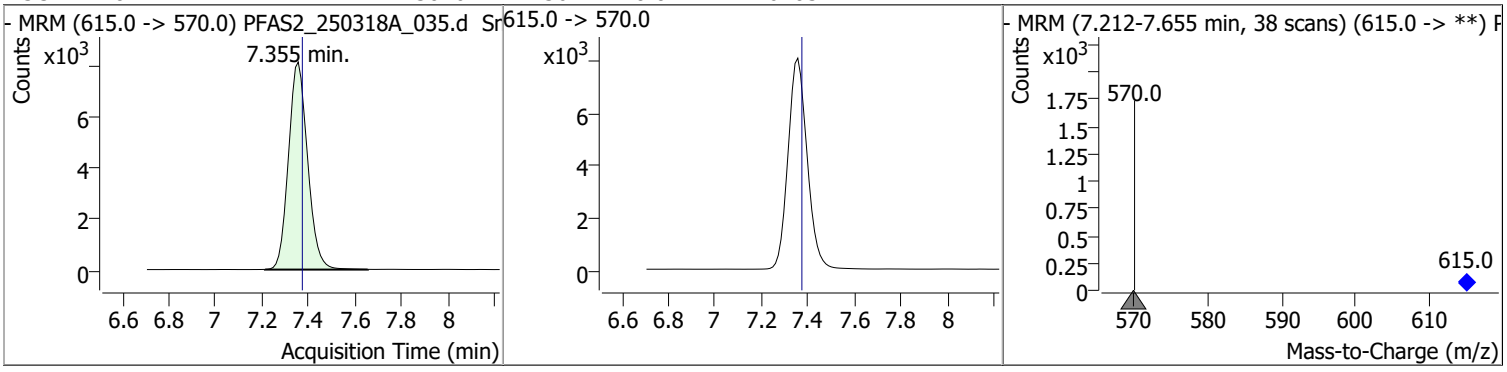
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.7838	7.15	-0.01	88467	548.9 -> 99.0	57.9	36.7	68.1



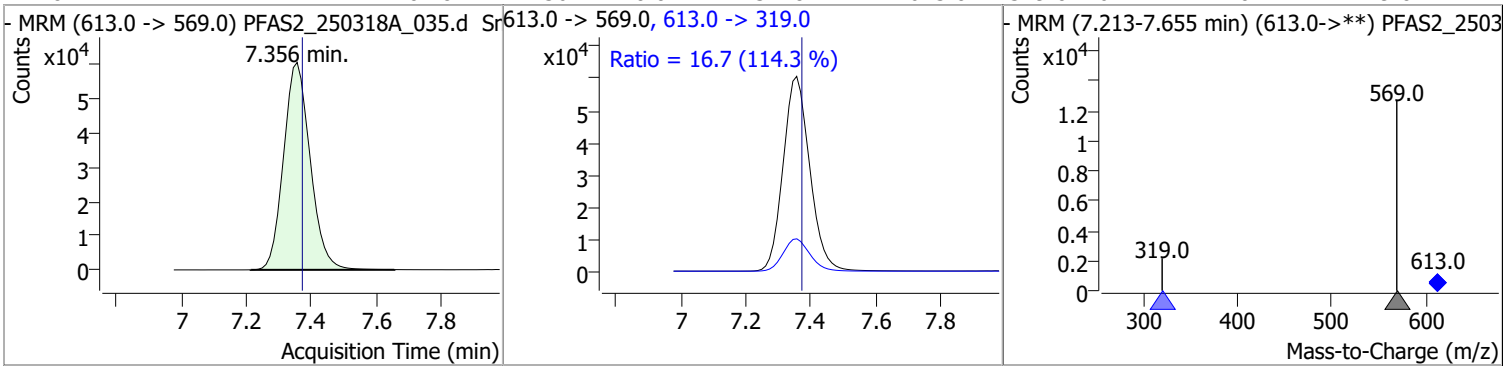
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2903	7.72	0.35	50631				



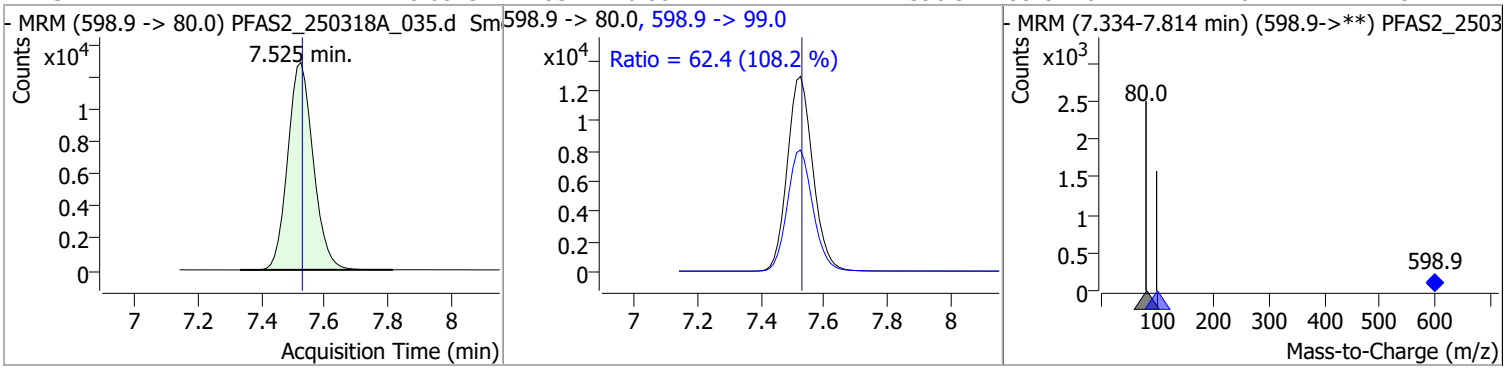
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3026	7.36	-0.01	46203				



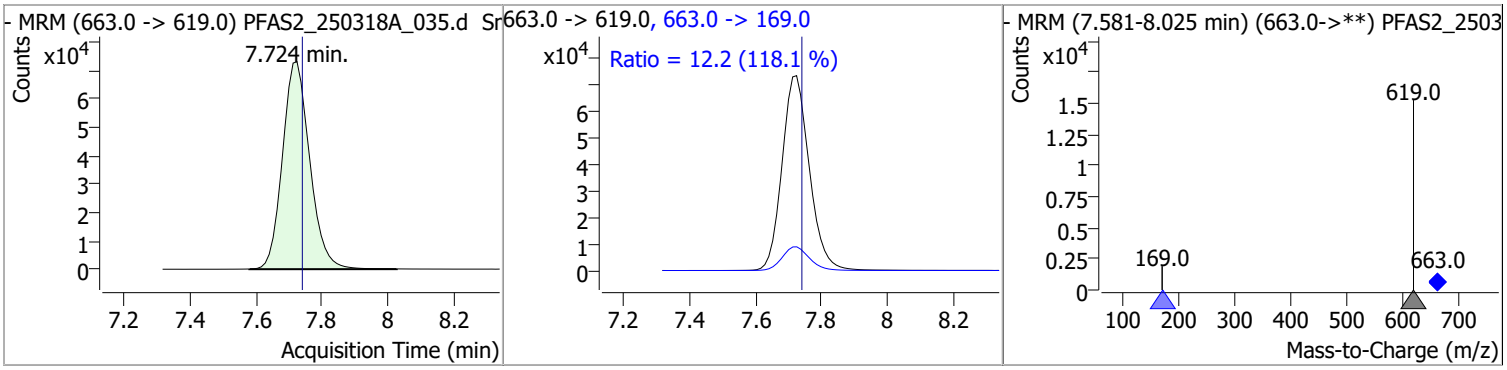
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.1811	7.36	-0.01	344841	613.0 -> 319.0	16.7	10.2	19.0



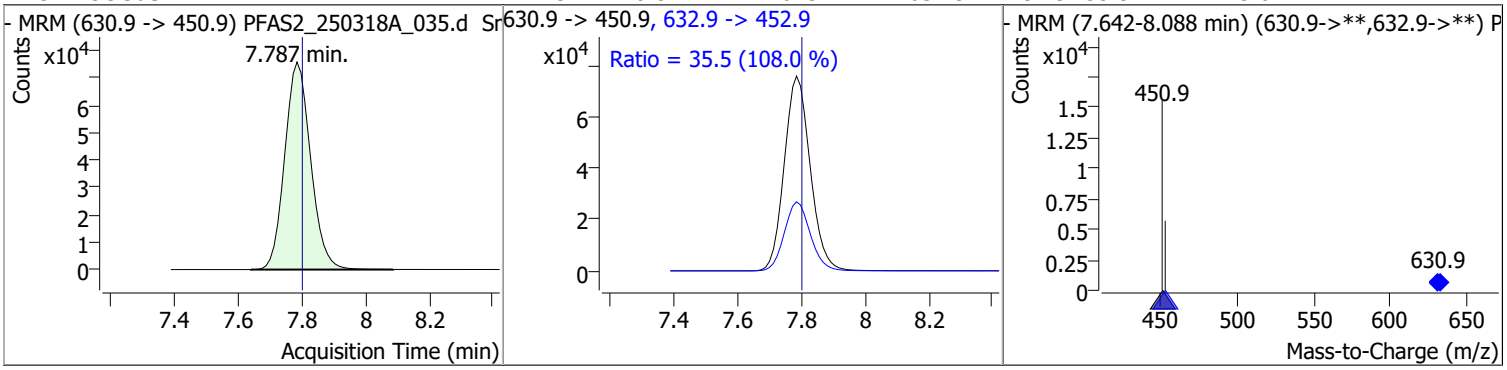
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.6823	7.53	0.00	72171	598.9 -> 99.0	62.4	40.4	74.9



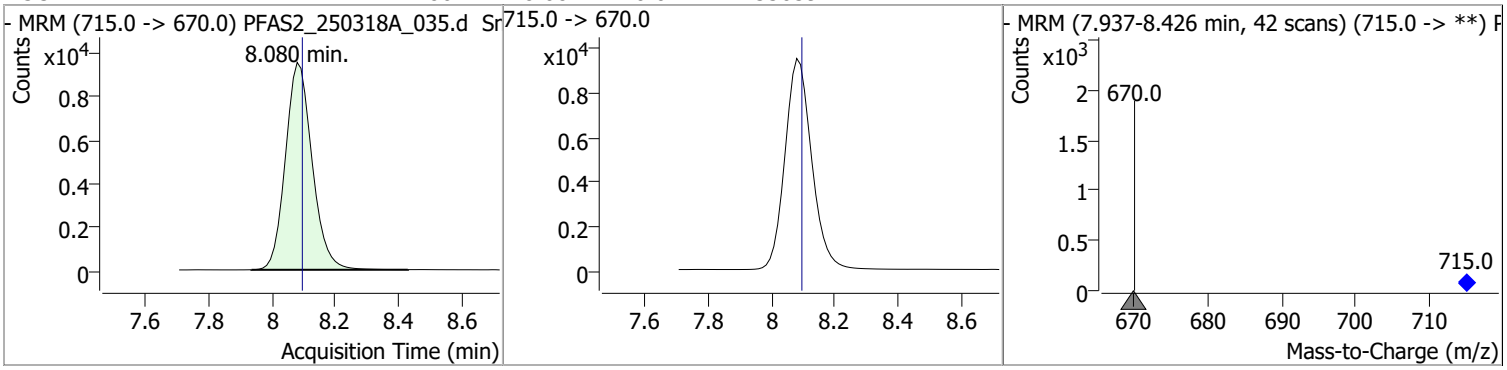
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.9326	7.72	-0.01	417070	663.0 -> 169.0	12.2	7.2	13.4



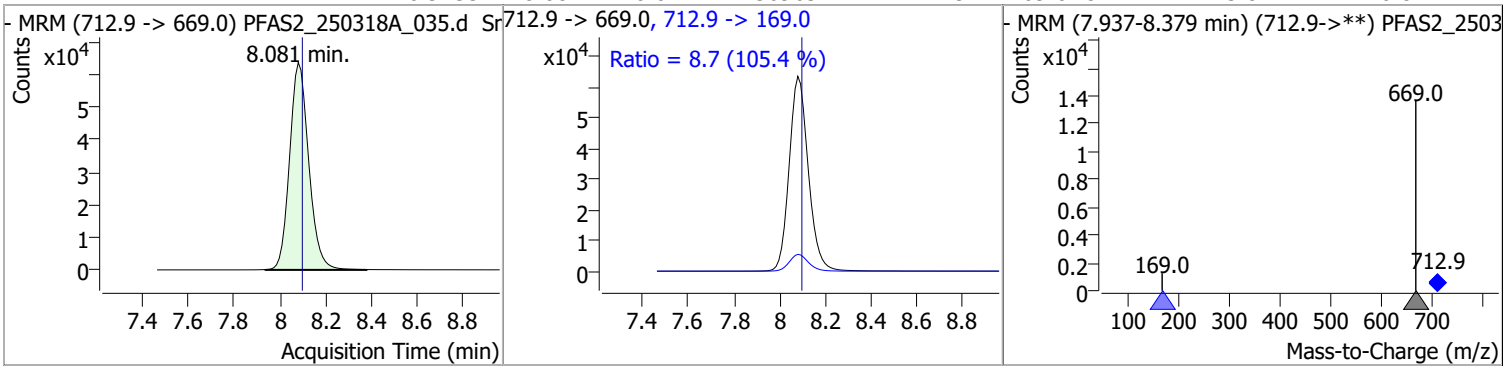
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	17.2472	7.79	-0.01	426137	632.9 -> 452.9	35.5	23.0	42.7



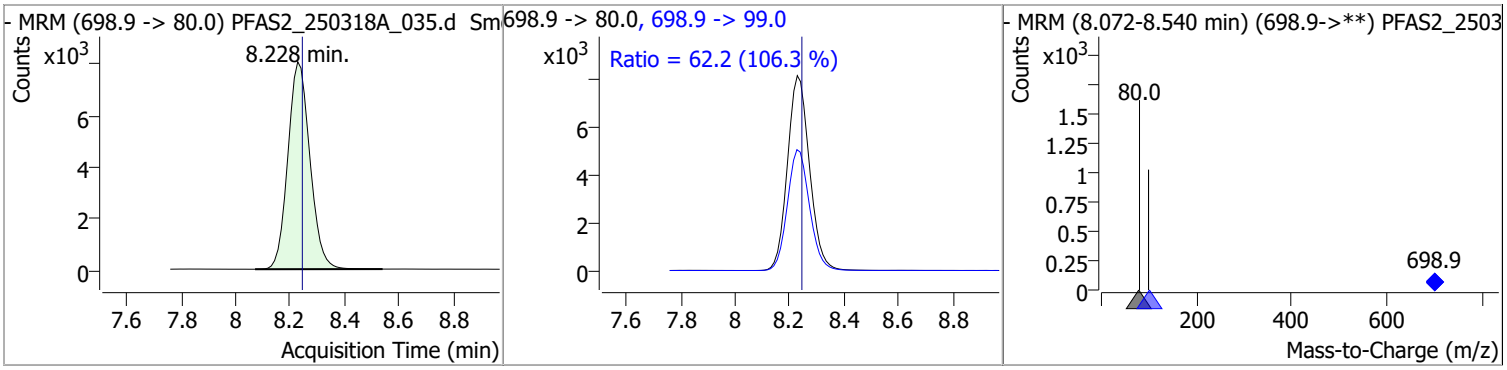
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2801	8.08	-0.01	55059				



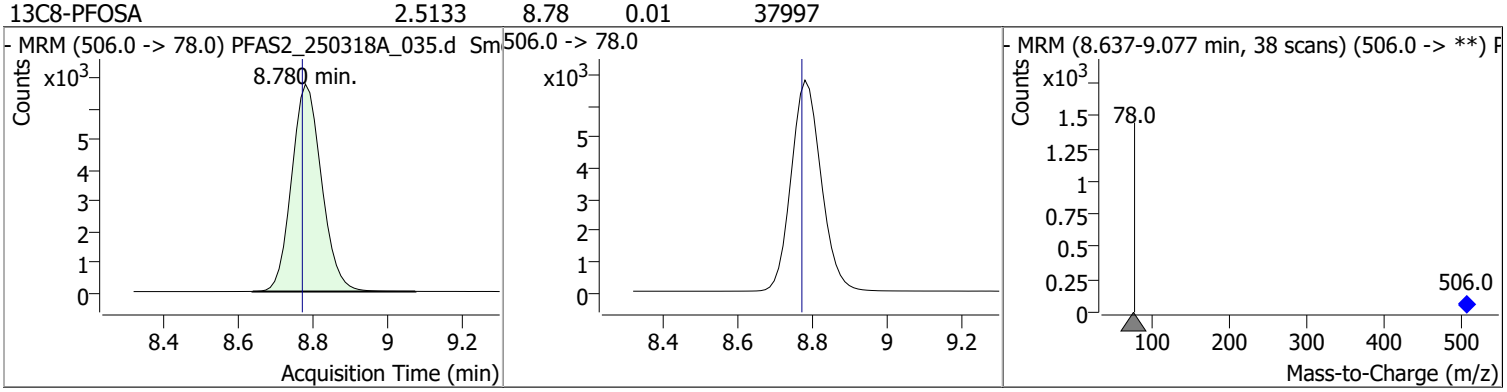
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.9735	8.08	-0.01	369697	712.9 -> 169.0	8.7	5.8	10.8



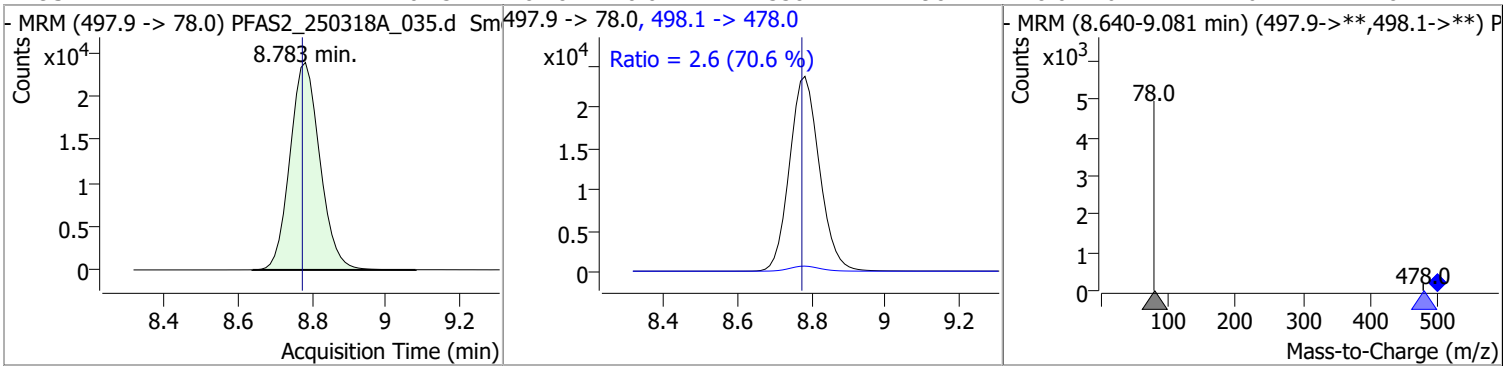
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.5482	8.23	-0.01	45109	698.9 -> 99.0	62.2	41.0	76.1



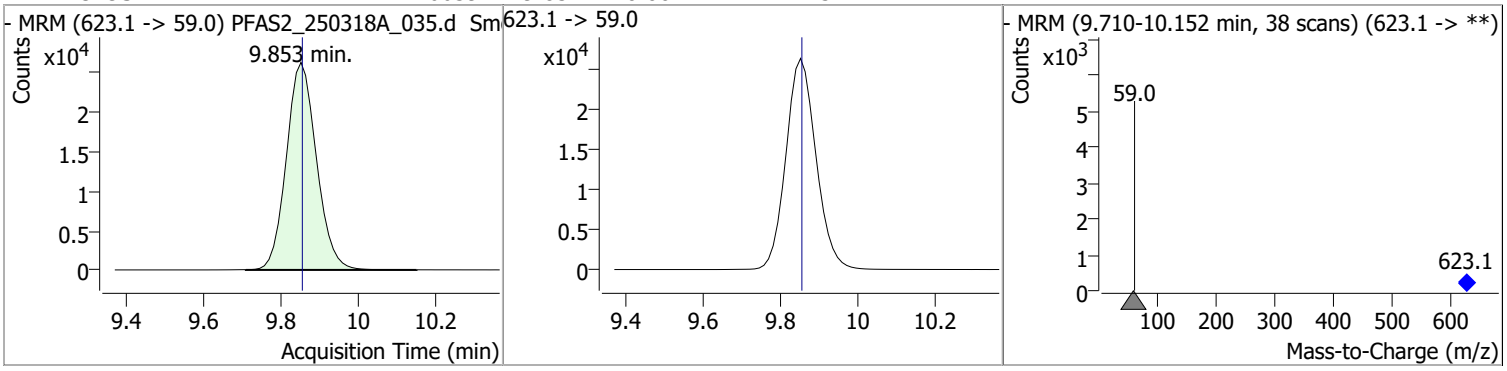
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5133	8.78	0.01	37997				



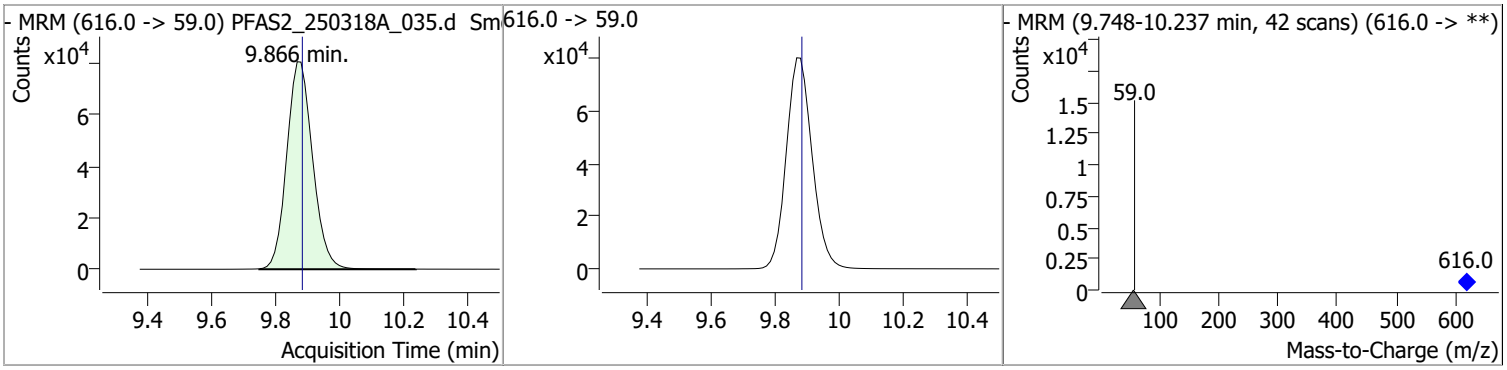
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	10.1377	8.78	0.01	133874	498.1 -> 478.0	2.6	2.6	4.8



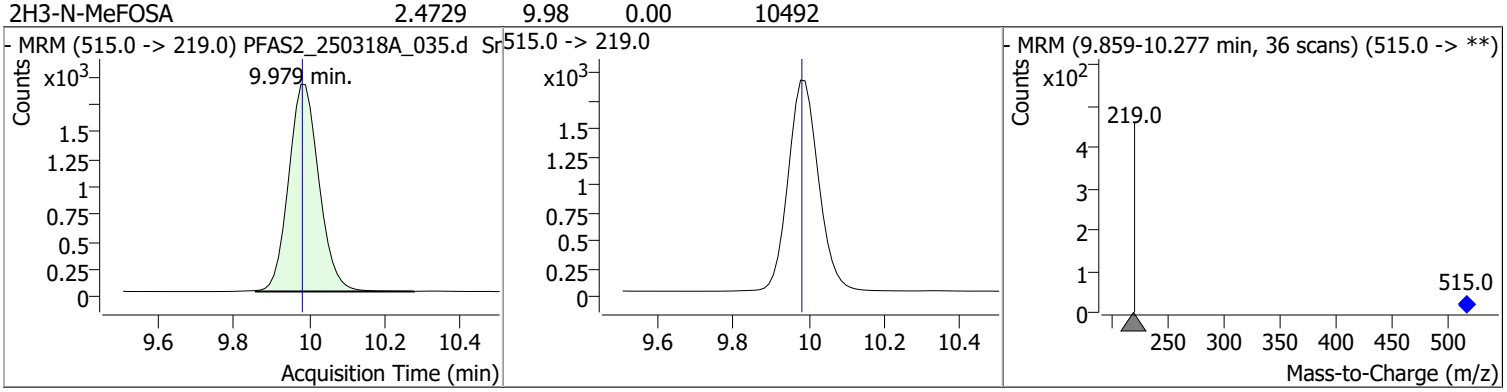
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	27.6639	9.85	0.00	141775				



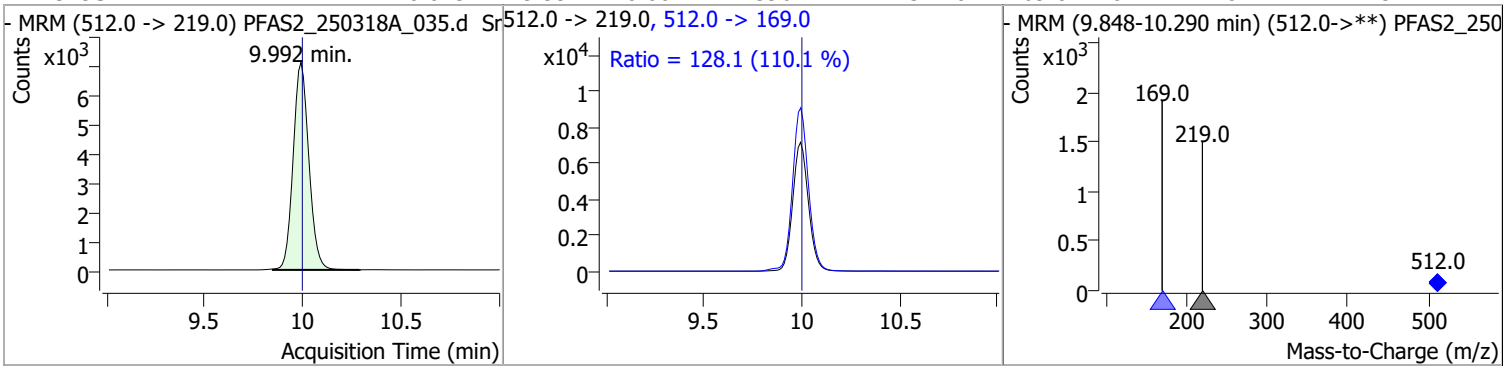
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	106.4479	9.87	-0.01	451273				



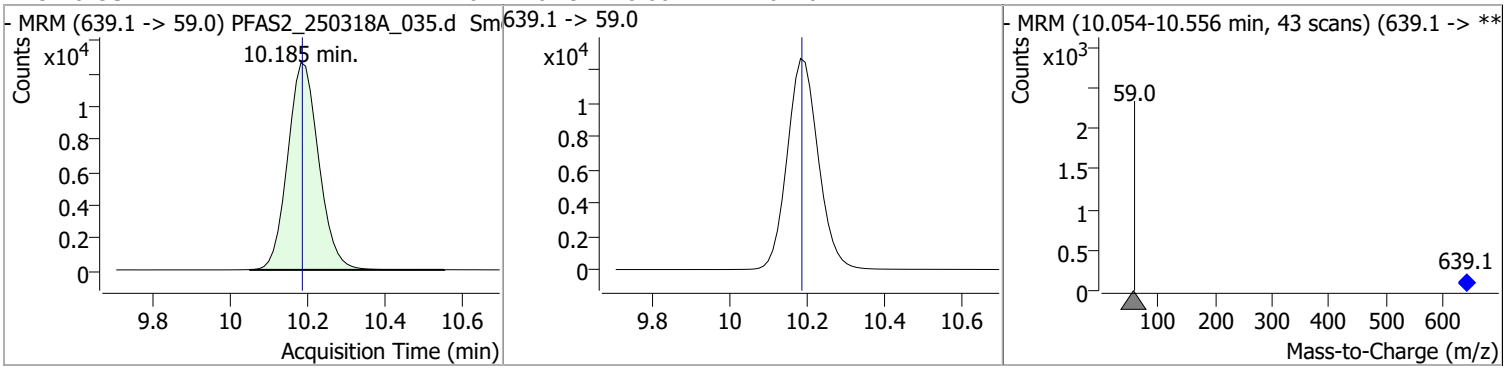
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4729	9.98	0.00	10492				



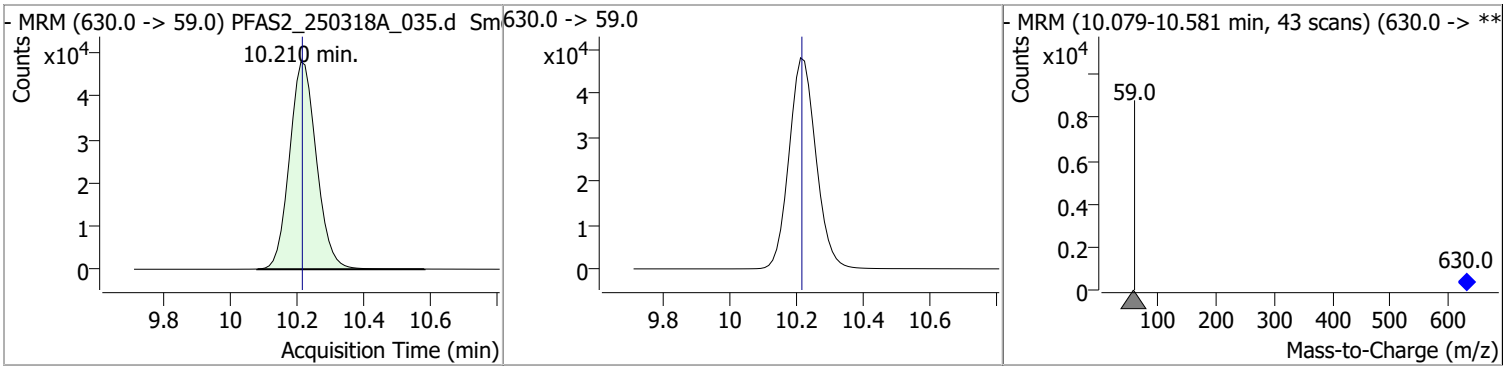
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	10.0451	9.99	0.00	39641	512.0 -> 169.0	128.1	81.4	151.2



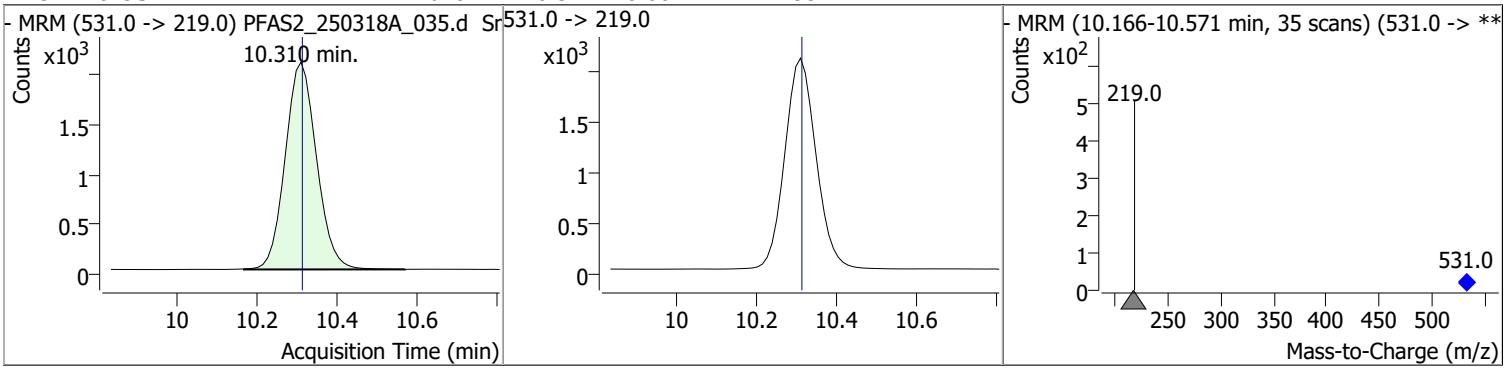
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	27.1728	10.19	0.00	70470				



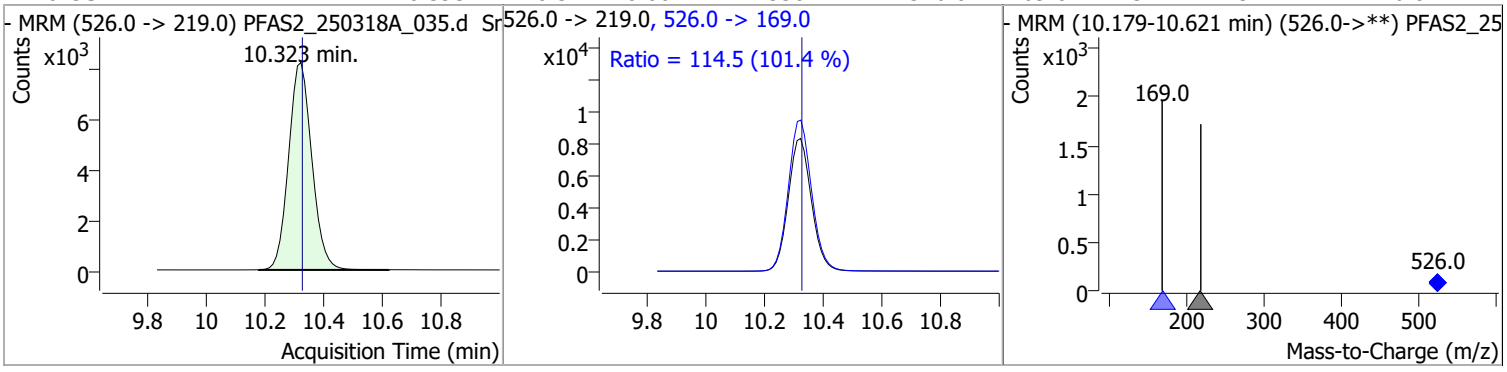
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	107.9646	10.21	0.00	269708				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4628	10.31	0.00	11299				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.3954	10.32	0.00	45304	526.0 -> 169.0	114.5	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_015.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-LCV1 ( )	Injection Time:	19:34

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
PFBA	0.800	0.84		30317.5			30
PFPeA	0.400	0.41		41674.3			30
PFHxA	0.200	0.20		66451.35			30
PFHpA	0.200	0.20		77667.45			30
PFOA	0.200	0.24		72776.75			30
PFNA	0.200	0.20		58718.8			30
PFDA	0.200	0.19		56194.4			30
PFUnA	0.200	0.20		45459.69			30
PFDoA	0.200	0.19		35500.99			30
PFTrDA	0.200	0.20		39663.74			30
PFTeDA	0.200	0.20		33830.845			30
PFBS	0.177	0.17		7889.101694915			30
PFPeS	0.188	0.20		2887.925531914			30
PFHxS	0.183	0.20		16789.131147541			30
PFHpS	0.191	0.18		2036.010471204			30
PFOS	0.186	0.22		2385.596774193			30
PFNS	0.192	0.18		713.5416666666			30
PFDS	0.193	0.21		367.8756476683			30
PFDoS	0.194	0.20		515.4639175257			30
4:2FTS	0.750	0.73		7835.146666666			30
6:2FTS	0.760	0.92		3122.253536545			30
8:2FTS	0.768	0.81		5712.45703125			30
PFOSA	0.200	0.20		14463.585			30
NMeFOSA	0.200	0.21		4725.661			30
NEtFOSA	0.200	0.20		5096.645			30
NMeFOSAA	0.200	0.22		11909.245			30
NEtFOSAA	0.200	0.22		9349.05			30
NMeFOSE	2.00	2.03		4601.0055			30
NEtFOSE	2.00	2.03		2647.19			30
HFPO-DA	0.400	0.40		17859.8475			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_015.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-LCV1 ( )	Injection Time:	19:34

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
ADONA	0.378	0.44		15310.47619047			30
9CL-PF3ONS	0.374	0.44		3372.941176470			30
11CL-PF3OUdS	0.378	0.46		1800.634920634			30
3:3FTCA	0.800	0.71		739.541			30
5:3FTCA	4.00	4.09		5015.5625			30
7:3FTCA	4.00	4.39		4032.93			30
PFEESA	0.356	0.40		1929.101123595			30
PFMPA	0.400	0.44		21581.0025			30
PFMBA	0.400	0.41		30781.15			30
NFDHA	0.400	0.43		1462.99325			30
13C4-PFBA	10.0	9.89		.1241985373441			30
13C5-PFPeA	5.00	4.96		66872835415269			30
13C5-PFHxA	2.50	2.42		.0668806660659			30
13C4-PFHpA	2.50	2.59		1.275918158184			30
13C8-PFOA	2.50	2.43		0.856990750533			30
13C9-PFNA	1.25	1.20		95397633748126			30
13C6-PFDA	1.25	1.30		1.054791592475			30
13C7-PFUnA	1.25	1.32		8439867149793			30
13C2-PFDoA	1.25	1.39		66514823468605			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.32		70024727707354			30
13C2-PFTeDA	1.25	1.27		73534618920551			30
13C3-PFBS	2.50	2.53		.0720907018241			30
13C3-PFHxS	2.50	2.50		.1780963147023			30
13C8-PFOS	2.50	2.57		.0411631736013			30
13C2-4:2FTS	5.00	5.32		45156405971187			30
13C2-6:2FTS	5.00	5.18		25812196693738			30
13C2-8:2FTS	5.00	4.88		19528880974100			30
13C8-PFOSA	2.50	2.45		.4600240112509			30
D3-NMeFOSA	2.50	2.42		40367612252598			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_015.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0702	Injection Date:	03/18/25
Lab Sample ID:	S25C0702-LCV1 ( )	Injection Time:	19:34

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.51		45356978698590			30
D3-NMeFOSAA	5.00	4.90		.0982955441978			30
D5-NEtFOSAA	5.00	4.85		82159983535142			30
D7-NMeFOSE	25.0	25.1		50522313312523			30
D9-NEtFOSE	25.0	24.5		25005049223064			30
13C3-HFPO-DA	10.0	10.1		28692900306028			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_015.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:34:03 PM
Sample Name	SEQ-LCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

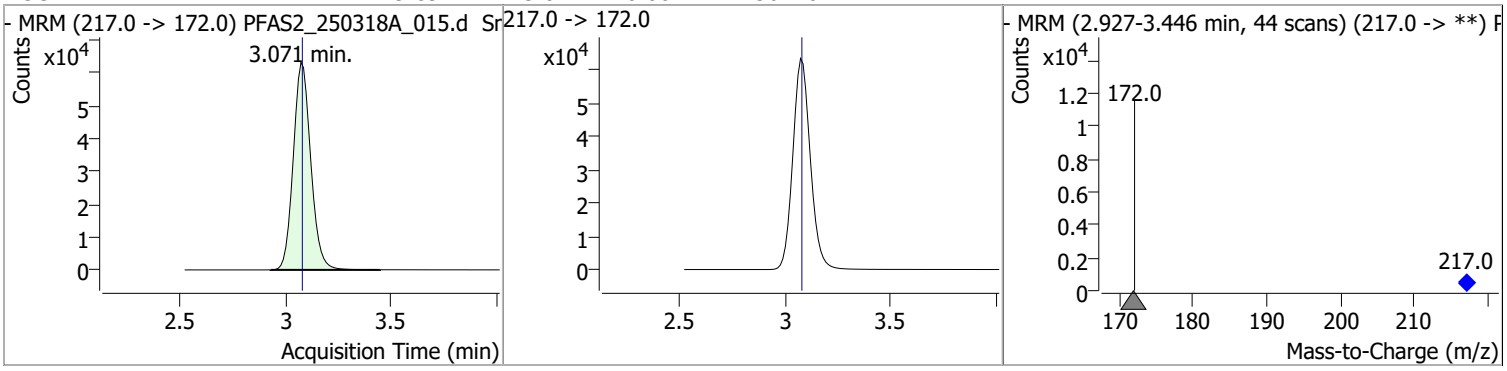
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	161938	5.0000	µg/L		18.339
13C2-PFHxA	4.890	315.0 -> 270.0	173677	2.5000	µg/L		13.200
18O2-PFHxS	5.955	403.0 -> 84.0	33580	2.5000	µg/L		13.331
13C4-PFOA	5.823	417.0 -> 172.0	16924	2.5000	µg/L		9.556
13C5-PFNA	6.226	468.0 -> 423.0	83358	1.2500	µg/L		17.121
13C2-PFDA	6.615	515.0 -> 470.0	76772	1.2500	µg/L		14.797
13C4-PFOS	6.783	503.0 -> 80.0	29153	2.5000	µg/L		17.037
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	364102	10.0000	µg/L		17.138
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.94%			
13C5-PFPeA	4.222	268.0 -> 223.0	232285	5.0000	µg/L		12.259
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.17%			
13C5-PFPeA	4.222	268.0 -> 223.0	232285	5.0000	µg/L		12.259
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.17%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	30327	5.0000	µg/L		20.037
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.35%			
13C5-PFHxA	4.889	318.0 -> 273.0	185292	2.5000	µg/L		9.741
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.92%			
13C5-PFHxA	4.889	318.0 -> 273.0	185292	2.5000	µg/L		9.741
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.92%			
13C3-PFBS	4.917	302.0 -> 80.0	69581	2.5000	µg/L		14.586
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.21%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	199331	10.0000	µg/L		14.053
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.75%			
13C4-PFHpA	5.397	367.0 -> 322.0	221597	2.5000	µg/L		17.317
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.67%			
13C3-PFHxS	5.956	402.0 -> 80.0	39560	2.5000	µg/L		13.196
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.91%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	17335	5.0000	µg/L	#	17.380
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.69%			
13C8-PFOA	5.823	421.0 -> 376.0	183746	2.5000	µg/L		6.371
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.11%			
13C3-PFHxS	5.956	402.0 -> 80.0	39560	2.5000	µg/L		13.196
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.91%			
13C9-PFNA	6.225	472.0 -> 427.0	79522	1.2500	µg/L		12.854
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.31%			
13C8-PFOS	6.782	507.0 -> 80.0	30353	2.5000	µg/L		20.050
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.61%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	13116	5.0000	µg/L	#	10.721
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.57%			
13C6-PFDA	6.615	519.0 -> 474.0	80979	1.2500	µg/L		19.156
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.70%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	64037	5.0000	µg/L		14.724
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.91%			
13C8-PFOS	6.782	507.0 -> 80.0	30353	2.5000	µg/L		20.050

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.61%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	47904	5.0000	µg/L		13.599
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.01%			
13C7-PFUnDA	6.990	570.0 -> 525.0	64795	1.2500	µg/L		20.879
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 105.28%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	53760	1.2500	µg/L		21.862
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 105.98%			
13C2-PFDoDA	7.367	615.0 -> 570.0	51065	1.2500	µg/L		27.837
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 111.37%			
13C2-PFTDA	8.092	715.0 -> 670.0	56454	1.2500	µg/L		16.919
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.54%			
13C8-PFOSA	8.768	506.0 -> 78.0	42564	2.5000	µg/L		15.159
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.20%			
2H7-MeFOSE	9.853	623.1 -> 59.0	147288	25.0000	µg/L		17.226
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.24%			
2H3-N-MeFOSA	9.979	515.0 -> 219.0	11768	2.5000	µg/L		13.493
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.74%			
2H9-EtFOSE	10.185	639.1 -> 59.0	72897	25.0000	µg/L		14.782
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.04%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	13223	2.5000	µg/L		17.640
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.53%			
Target Compounds							**QValue**
PFBA	3.079	213.0 -> 169.0	24254	0.8398	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 104.98%			
PFMPA	3.614	229.0 -> 85.0	8632	0.4397	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 109.93%			
3-3 FTCA	3.778	241.0 -> 177.0	592	0.7118	µg/L		94
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 88.98%			
PFPeA	4.223	263.0 -> 219.0	16670	0.4119	µg/L	#	100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 102.97%			
PFMBA	4.453	279.0 -> 85.0	12312	0.4107	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 102.66%			
4-2 FTSA	4.698	327.0 -> 307.0	13376	0.7257	µg/L		96
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 96.76%			
NFDHA	4.823	295.0 -> 201.0	585	0.4294	µg/L	#	77
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 107.36%			
PFHxA	4.892	313.0 -> 269.0	13290	0.2004	µg/L		100
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.22%			
PFBS	4.918	298.9 -> 80.0	4936	0.1710	µg/L		95
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 96.38%			
HFPO-DA	5.075	285.0 -> 169.0	7144	0.4040	µg/L		86
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 100.99%			
PFEESA	5.201	314.9 -> 135.0	32727	0.3965	µg/L		100
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 111.38%			
PFHpA	5.398	363.0 -> 319.0	15533	0.2024	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 101.18%			
5-3 FTCA	5.447	341.0 -> 237.0	20062	4.0873	µg/L		95
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 102.18%			
PFPeS	5.494	348.9 -> 80.0	4303	0.2014	µg/L		90
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 107.04%			
DONA	5.551	377.0 -> 251.0	43587	0.4370	µg/L		98
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 115.62%			
6-2 FTSA	5.642	427.0 -> 407.0	9973	0.9222	µg/L		96
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 121.34%			

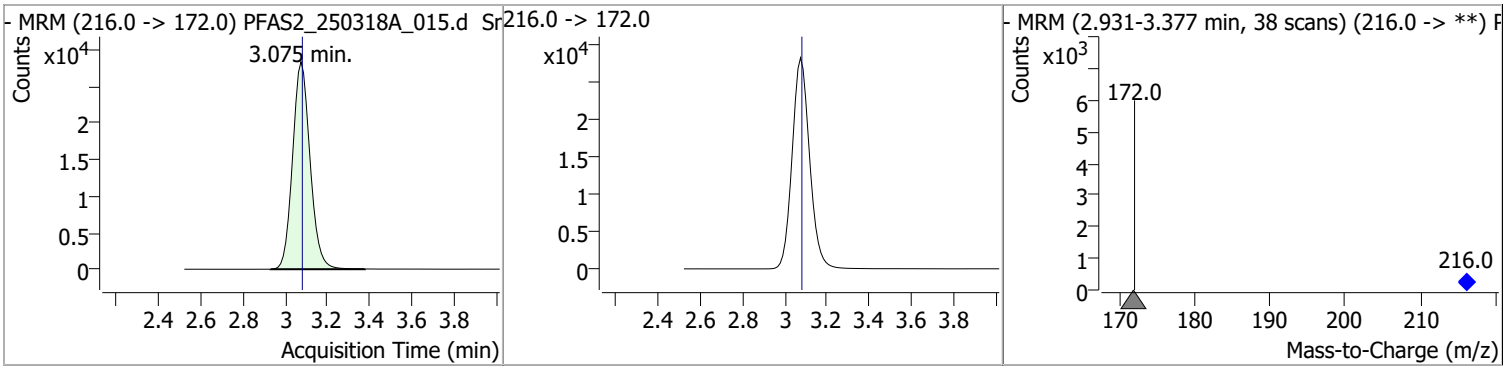
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFOA	5.824	413.0 -> 369.0	14555	0.2360	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 118.01%			
PFHxS	5.957	398.9 -> 80.0	3072	0.1997	µg/L		91
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 109.23%			
PFNA	6.226	463.0 -> 419.0	11744	0.1959	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.96%			
PFHpS	6.382	448.9 -> 80.0	2299	0.1821	µg/L		85
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 95.53%			
8-2 FTSA	6.424	527.0 -> 507.0	4387	0.8054	µg/L	#	62
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 104.87%			
7-3 FTCA	6.597	441.0 -> 317.0	16132	4.3946	µg/L		99
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 109.87%			
PFDA	6.615	513.0 -> 469.0	11239	0.1866	µg/L		93
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 93.29%			
N-MeFOSAA	6.742	570.0 -> 419.0	2382	0.2182	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 109.11%			
PFOS	6.784	498.9 -> 80.0	2304	0.2195	µg/L		100
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 118.27%			
N-EtFOSAA	6.953	584.0 -> 419.0	1870	0.2174	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.68%			
PFUnDA	6.991	563.0 -> 519.0	9092	0.2016	µg/L		90
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.81%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	23701	0.4397	µg/L		95
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 117.57%			
PFNS	7.159	548.9 -> 80.0	1865	0.1801	µg/L		80
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 93.62%			
PFDoDA	7.368	613.0 -> 569.0	7100	0.1897	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 94.83%			
PFDS	7.525	598.9 -> 80.0	1615	0.2088	µg/L		100
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 108.16%			
PFTrDA	7.736	663.0 -> 619.0	7933	0.1958	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.92%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	12021	0.4553	µg/L		94
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 120.44%			
PFTDA	8.093	712.9 -> 669.0	6766	0.2015	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.73%			
PFDoS	8.240	698.9 -> 80.0	1070	0.1978	µg/L		94
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 101.95%			
PFOSA	8.771	497.9 -> 78.0	2893	0.1955	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.77%			
MeFOSE	9.878	616.0 -> 59.0	9202	2.0289	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.45%			
N-MeFOSA	9.992	512.0 -> 219.0	945	0.2135	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 106.76%			
EtFOSE	10.210	630.0 -> 59.0	5294	2.0318	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.59%			
N-EtFOSA	10.323	526.0 -> 219.0	1019	0.1999	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 99.93%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

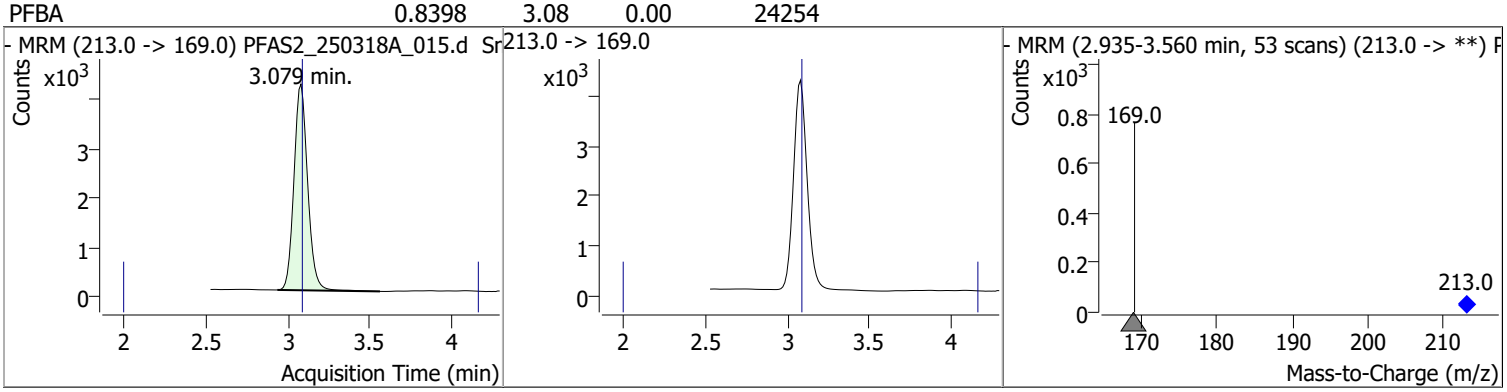
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8941	3.07	0.00	364102				



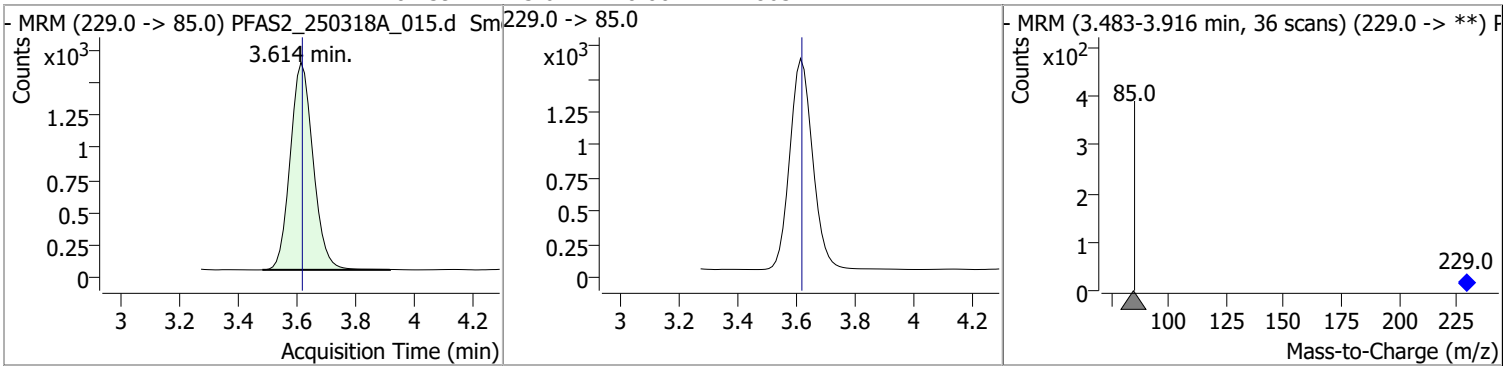
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	161938				



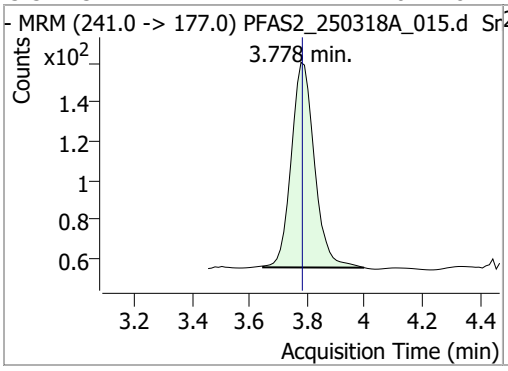
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8398	3.08	0.00	24254				

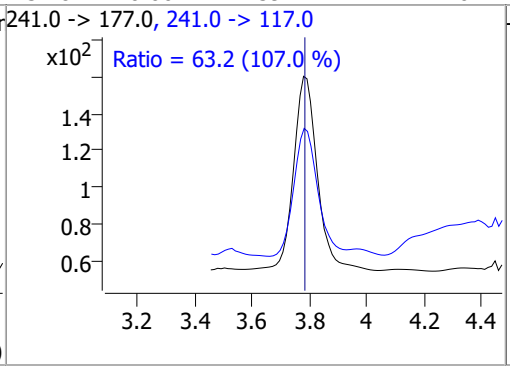


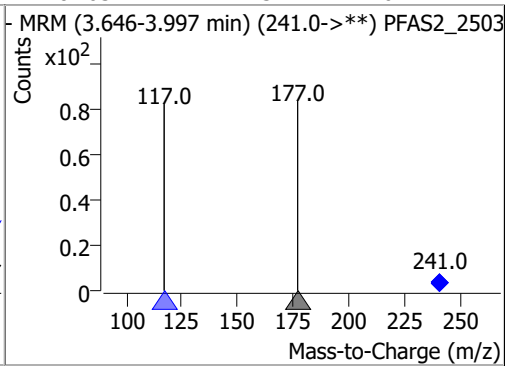
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4397	3.61	0.00	8632				



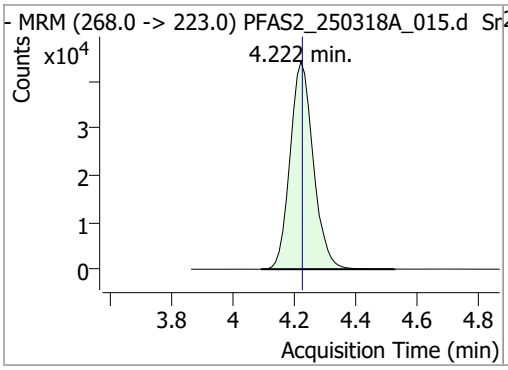
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.7118	3.78	0.00	592	241.0 -> 117.0	63.2	41.3	76.7

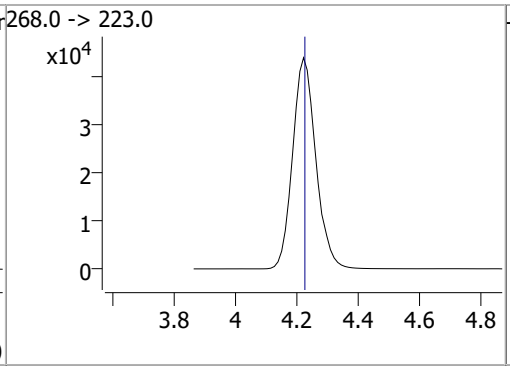


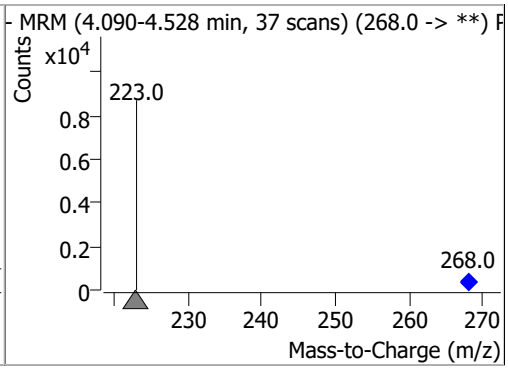




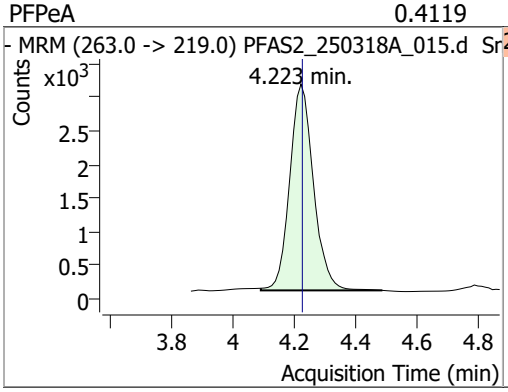
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9587	4.22	0.00	232285				

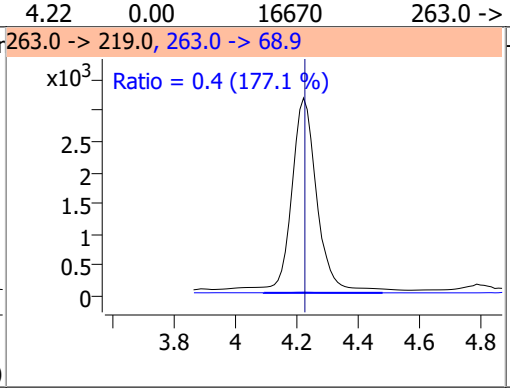


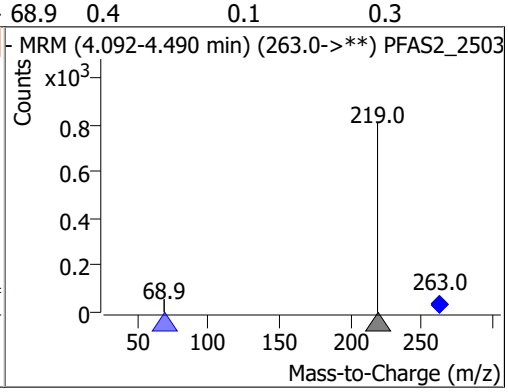




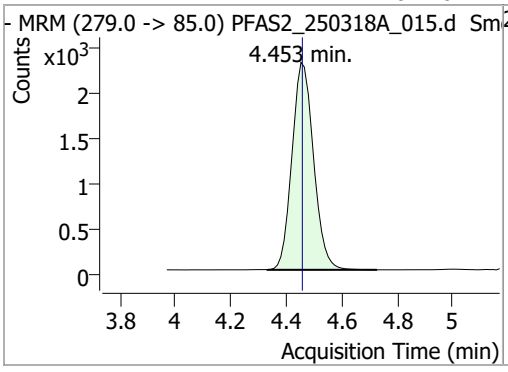
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4119	4.22	0.00	16670	263.0 -> 68.9	0.4	0.1	0.3

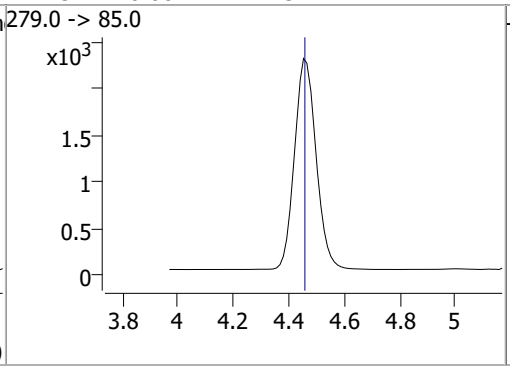


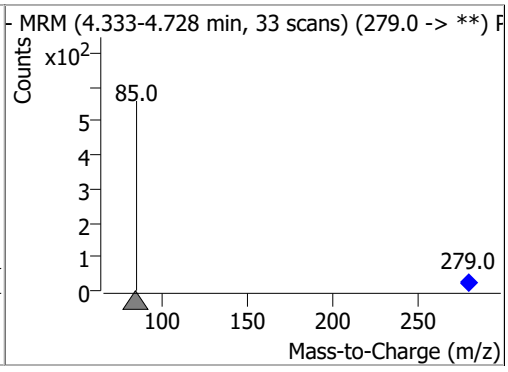




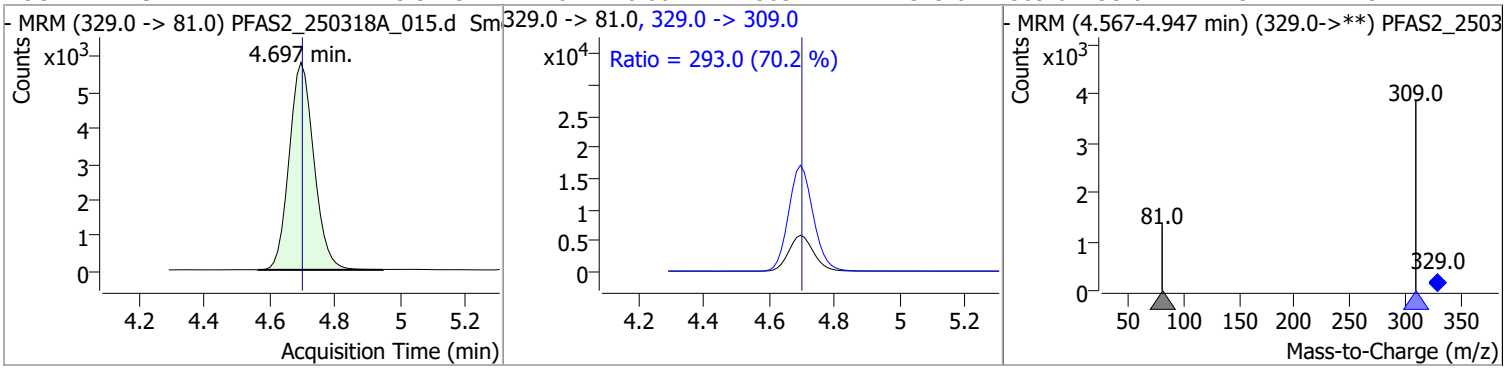
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4107	4.45	0.00	12312				



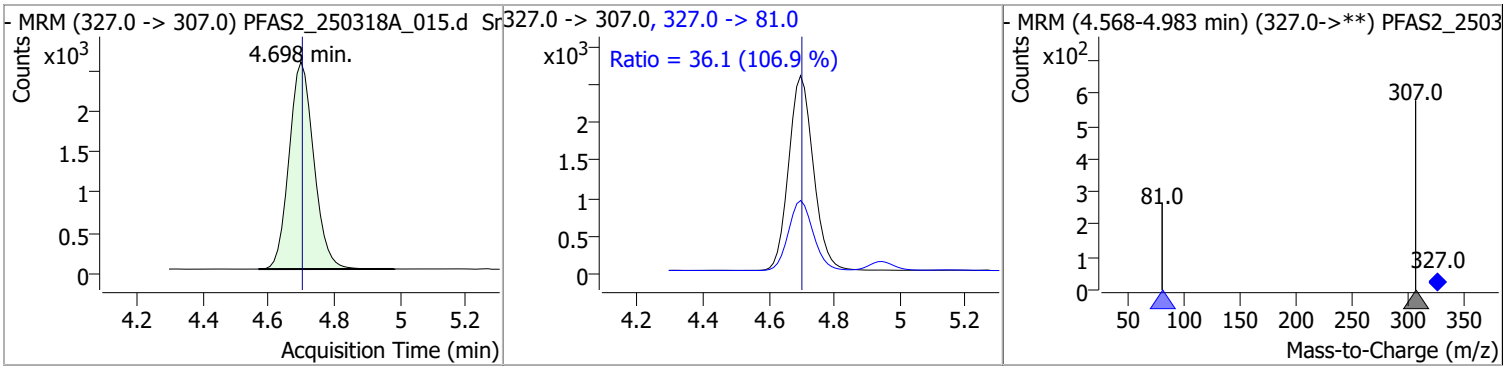




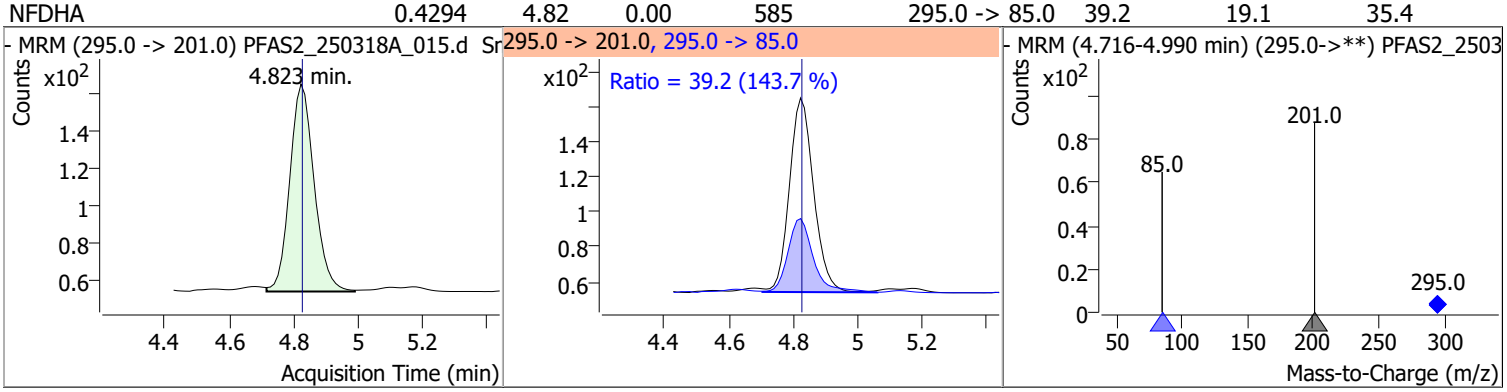
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3173	4.70	0.00	30327	329.0 -> 309.0	293.0	292.1	542.4



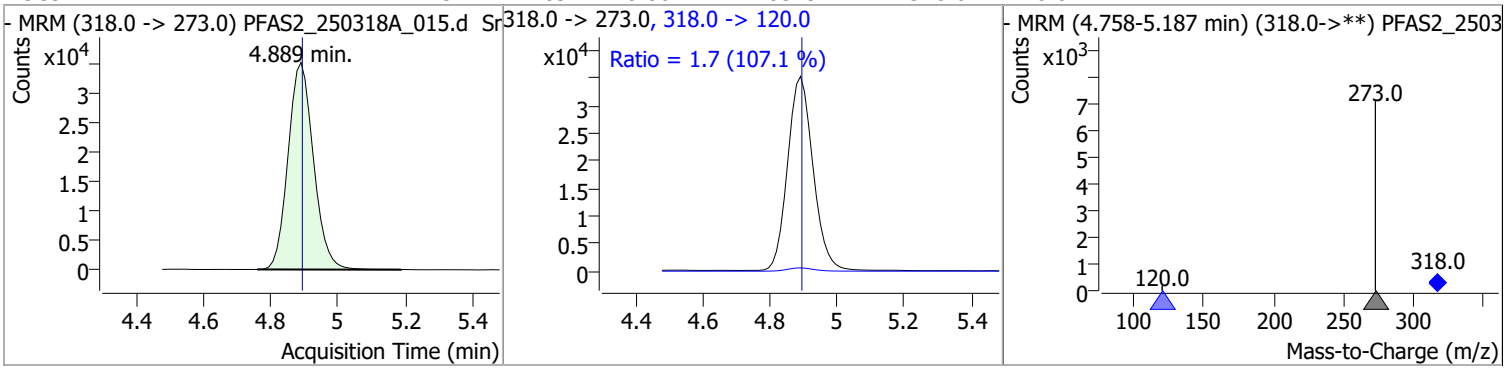
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7257	4.70	0.00	13376	327.0 -> 81.0	36.1	23.6	43.9



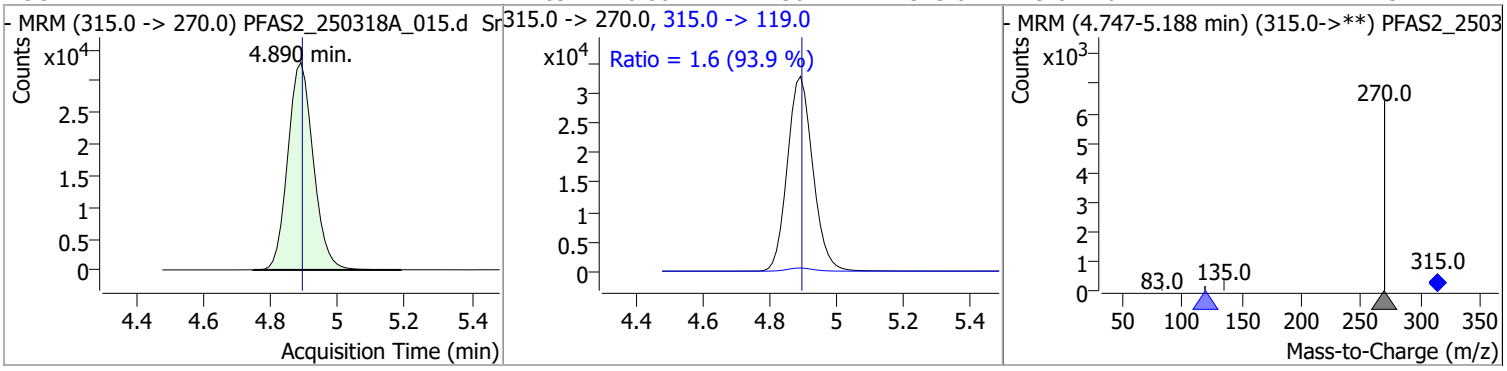
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.4294	4.82	0.00	585	295.0 -> 85.0	39.2	19.1	35.4



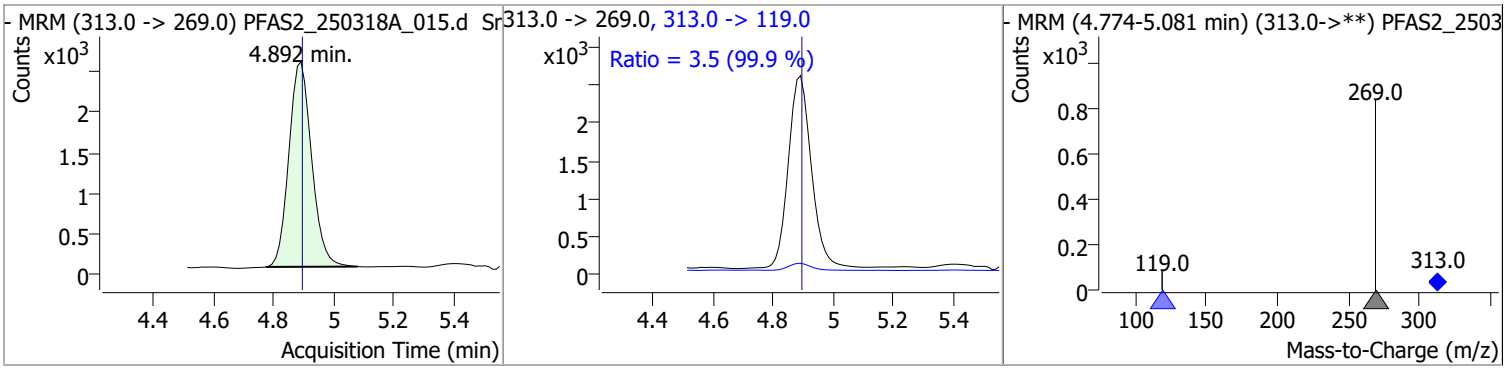
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4231	4.89	0.00	185292	318.0 -> 120.0	1.7	1.1	2.1



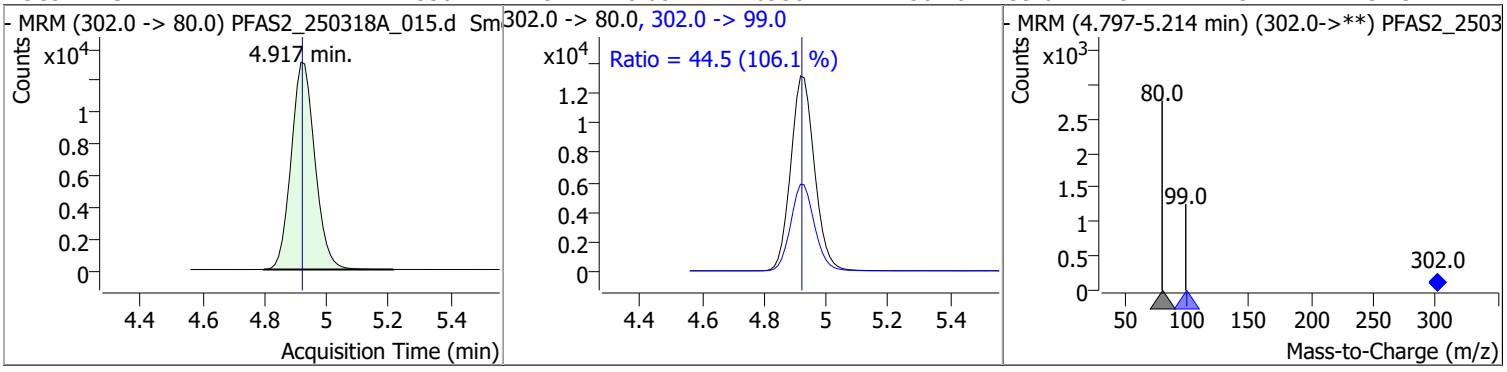
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	173677	315.0 -> 119.0	1.6	1.2	2.3



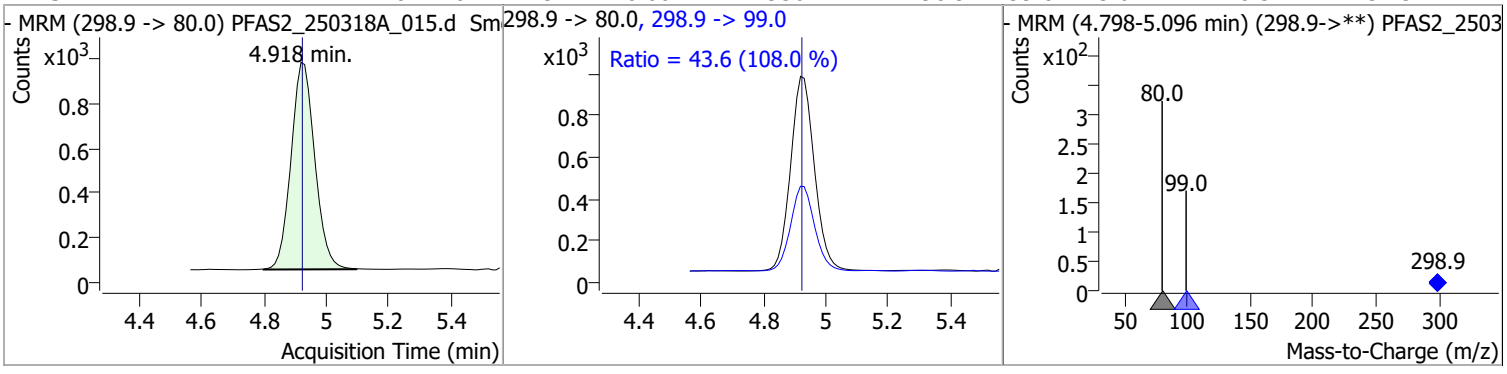
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2004	4.89	0.00	13290	313.0 -> 119.0	3.5	2.4	4.5



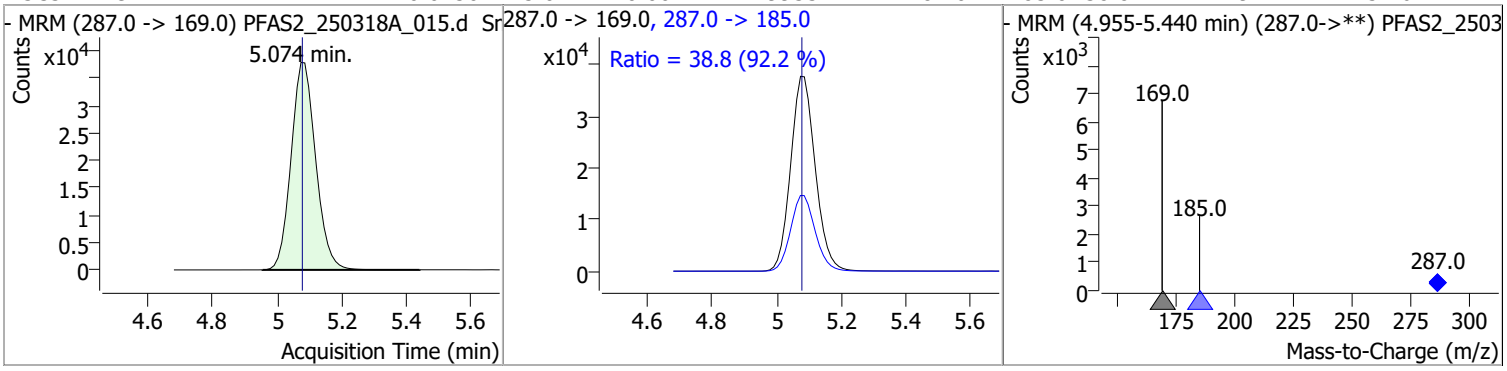
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5304	4.92	0.00	69581	302.0 -> 99.0	44.5	29.4	54.5



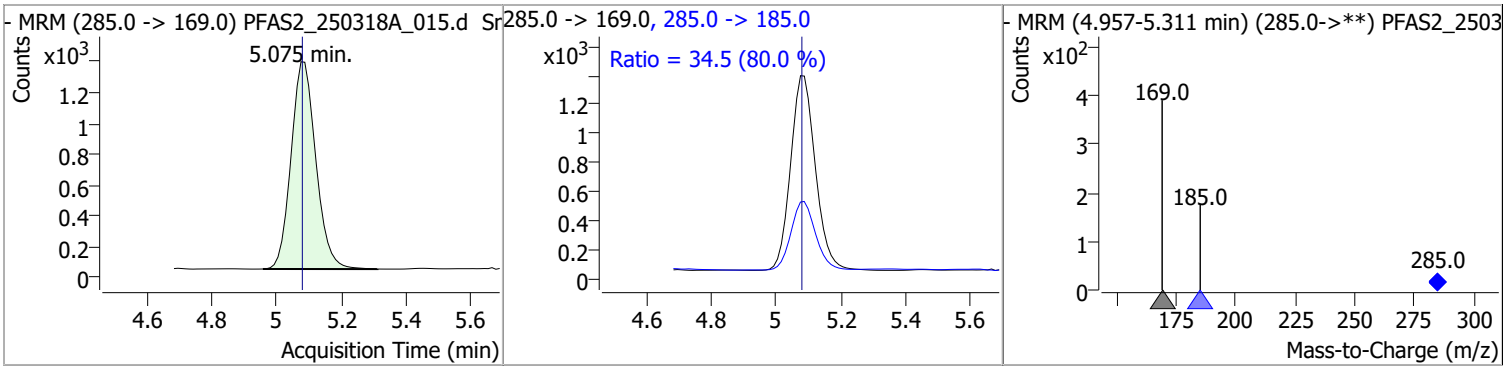
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1710	4.92	0.00	4936	298.9 -> 99.0	43.6	28.3	52.5



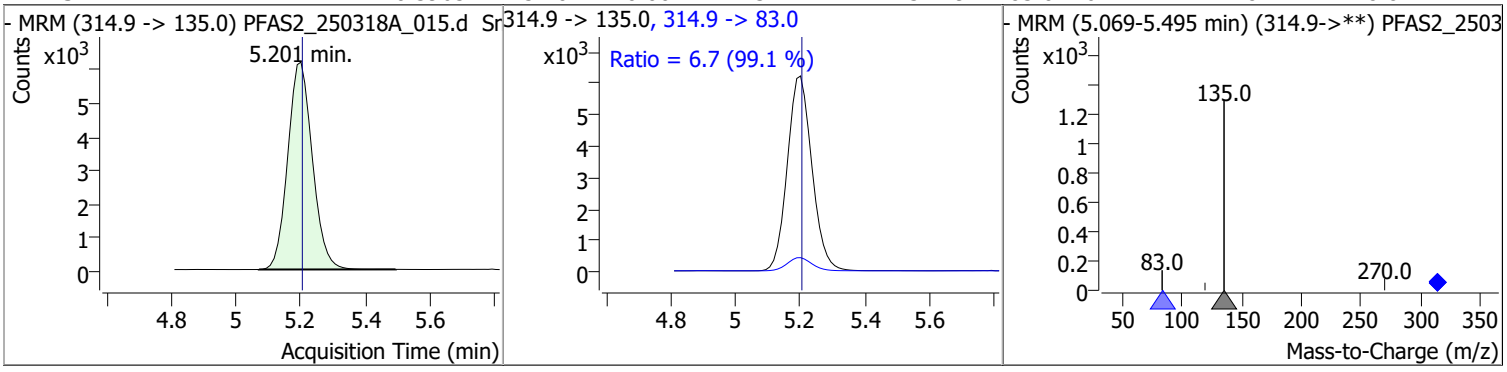
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0750	5.07	0.00	199331	287.0 -> 185.0	38.8	29.4	54.6



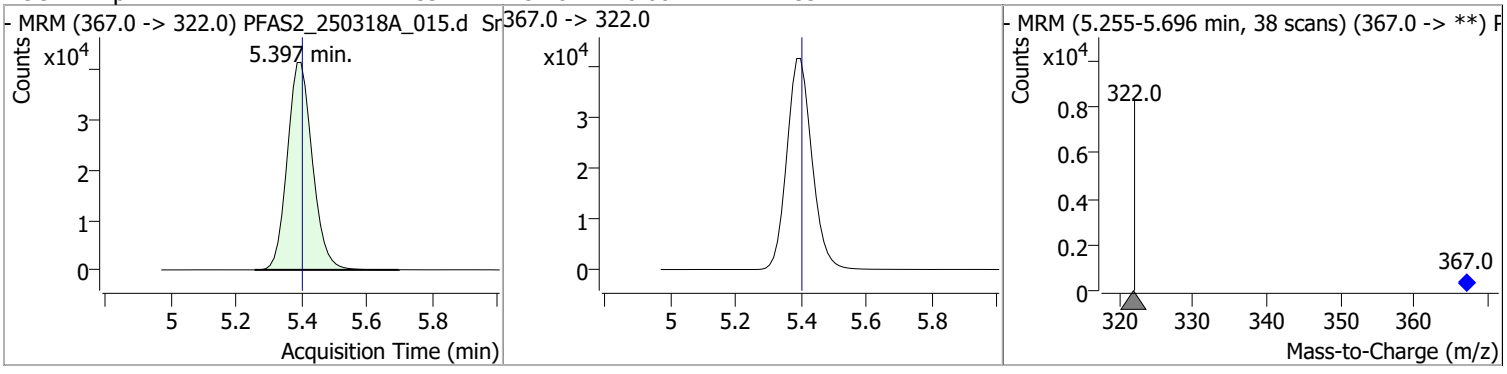
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.4040	5.07	0.00	7144	285.0 -> 185.0	34.5	30.1	56.0



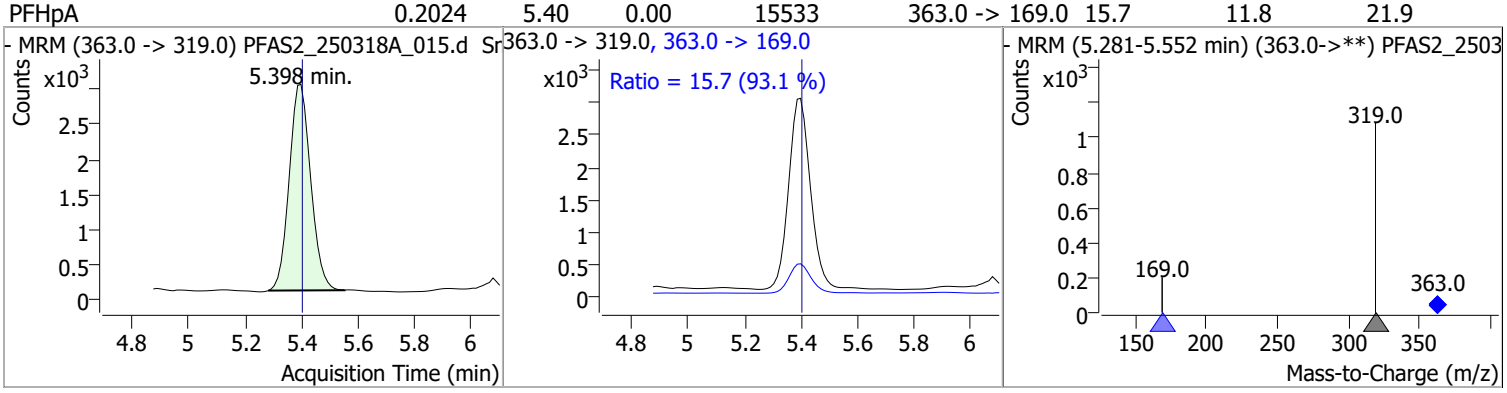
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.3965	5.20	0.00	32727	314.9 -> 83.0	6.7	4.8	8.8



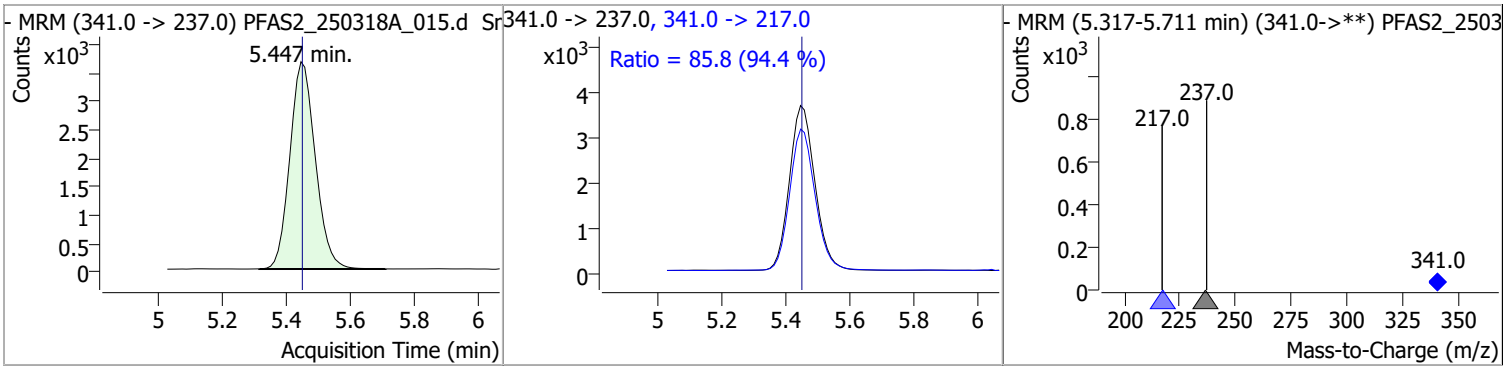
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5917	5.40	0.00	221597				



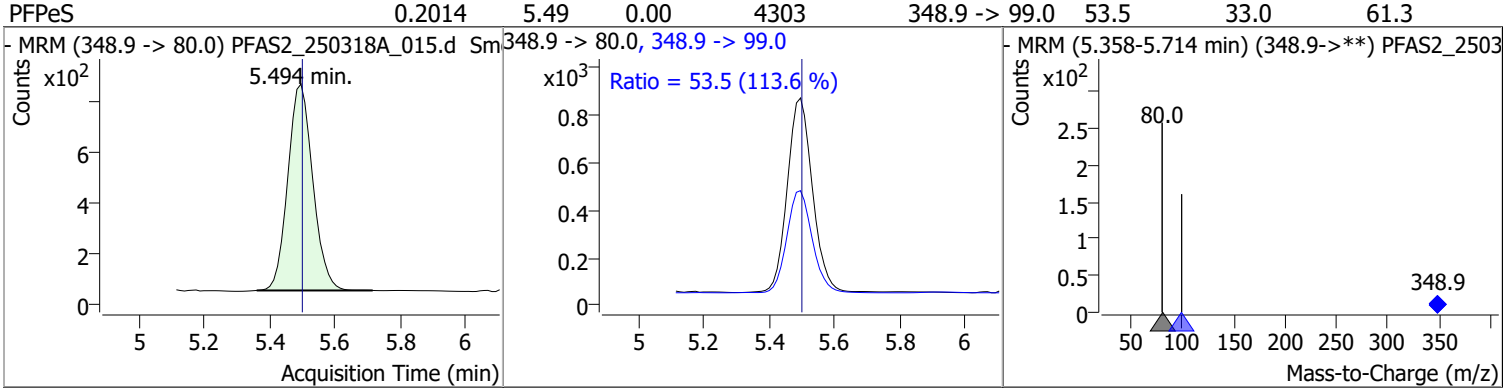
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2024	5.40	0.00	15533	363.0 -> 169.0	15.7	11.8	21.9



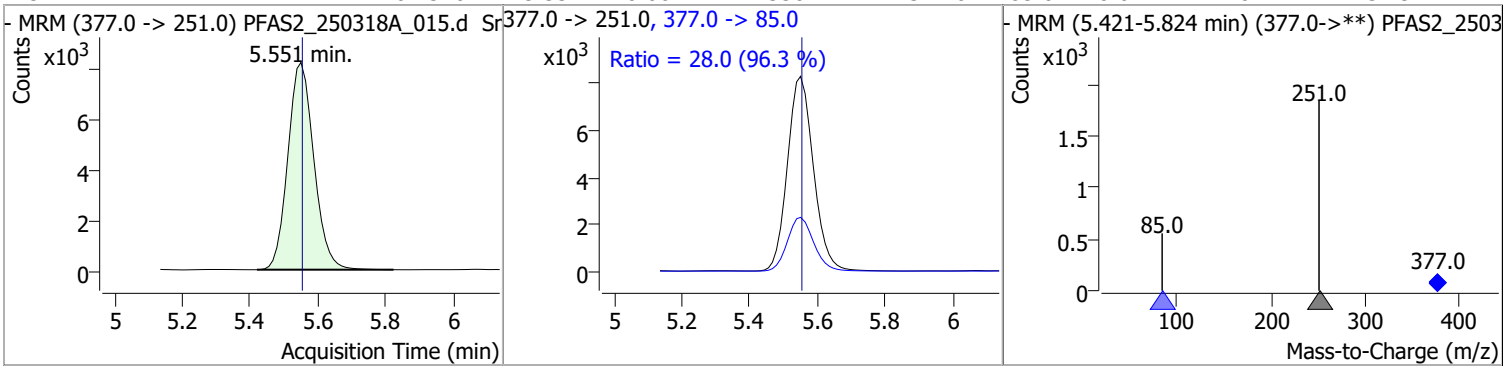
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	4.0873	5.45	0.00	20062	341.0 -> 217.0	85.8	63.6	118.1



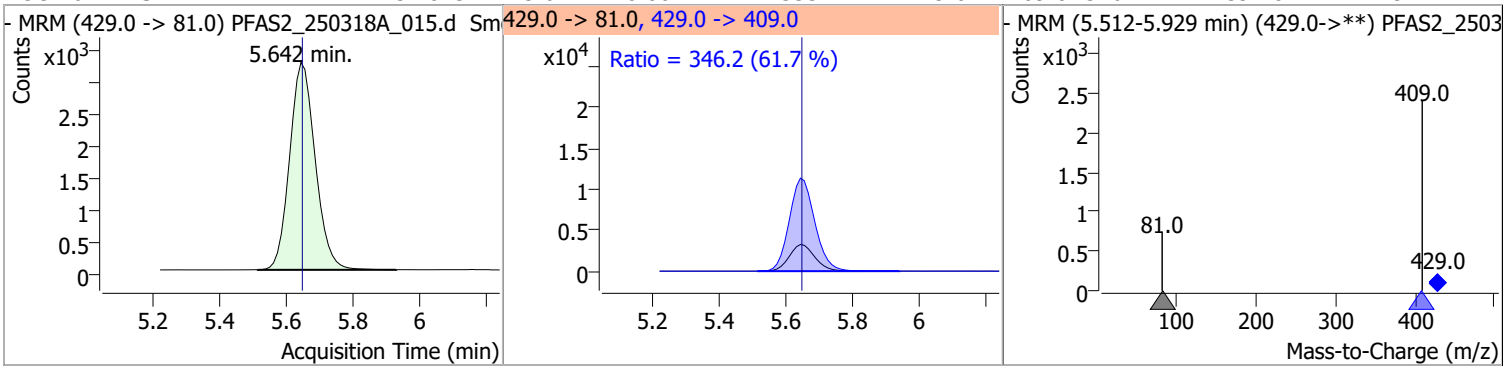
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.2014	5.49	0.00	4303	348.9 -> 99.0	53.5	33.0	61.3



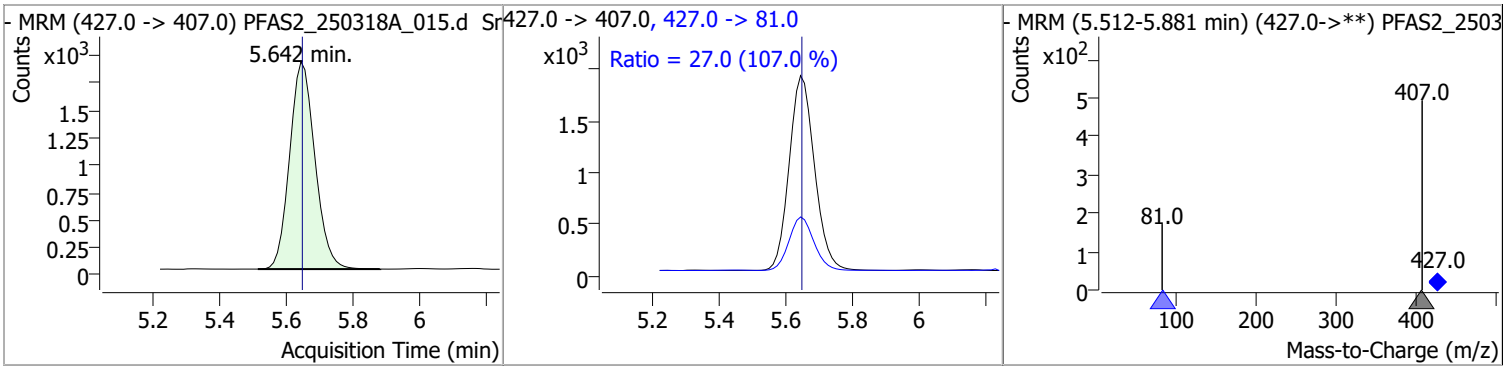
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.4370	5.55	0.00	43587	377.0 -> 85.0	28.0	20.4	37.9



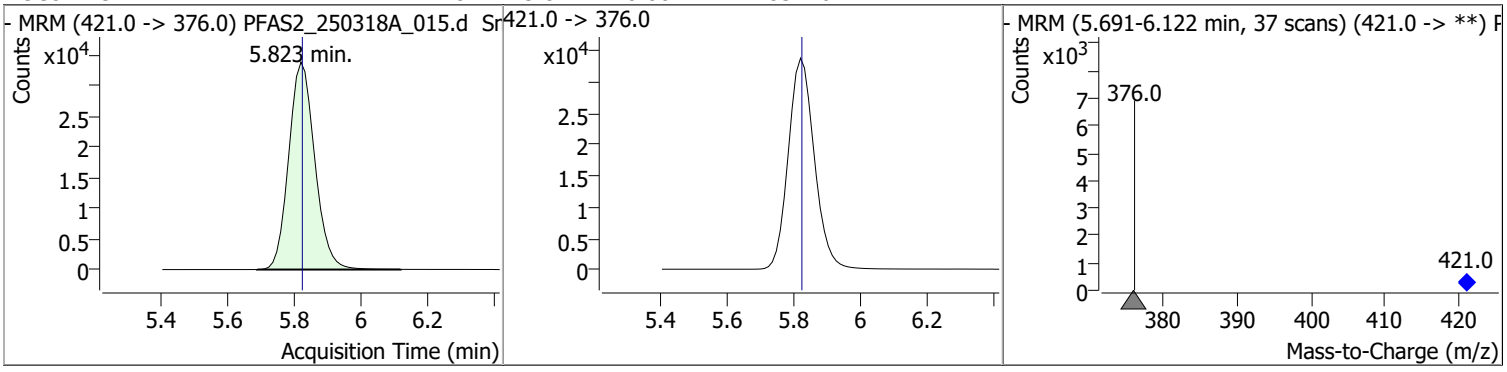
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.1843	5.64	0.00	17335	429.0 -> 409.0	346.2	392.8	729.4



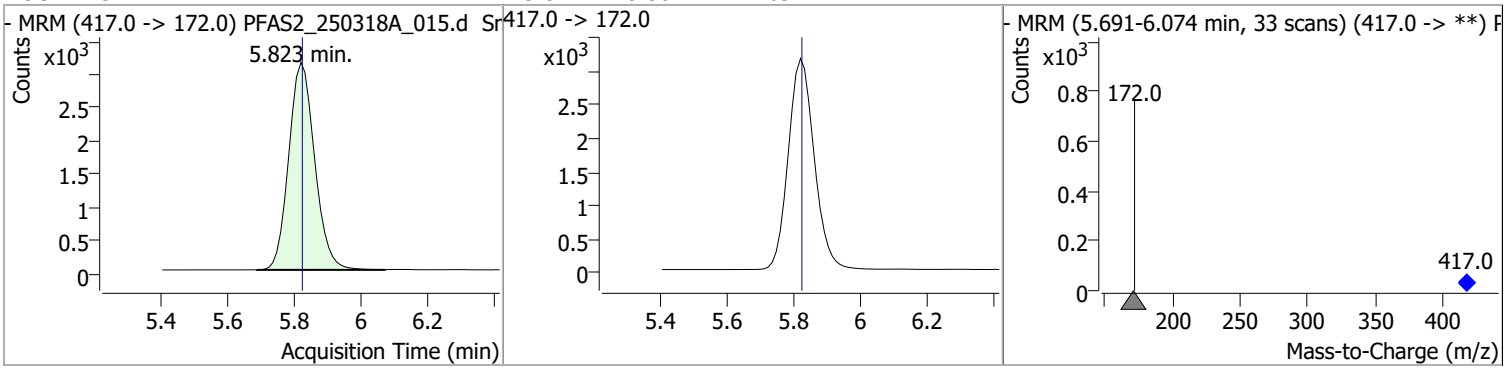
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.9222	5.64	0.00	9973	427.0 -> 81.0	27.0	17.7	32.8



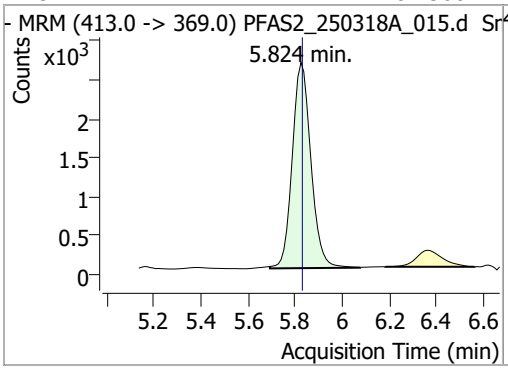
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4278	5.82	0.00	183746				

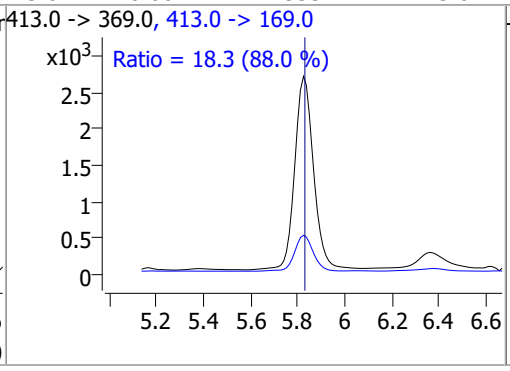


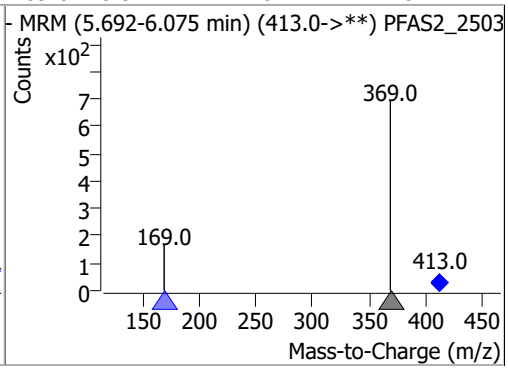
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16924				



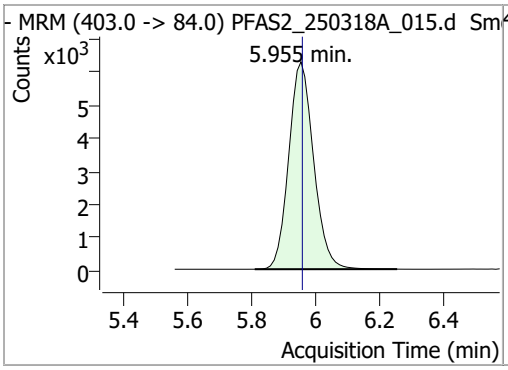
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2360	5.82	0.00	14555	413.0 -> 169.0	18.3	14.6	27.0

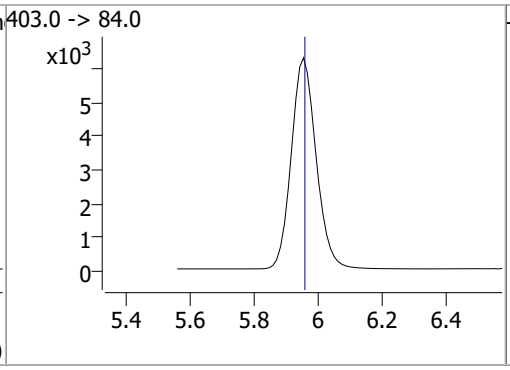


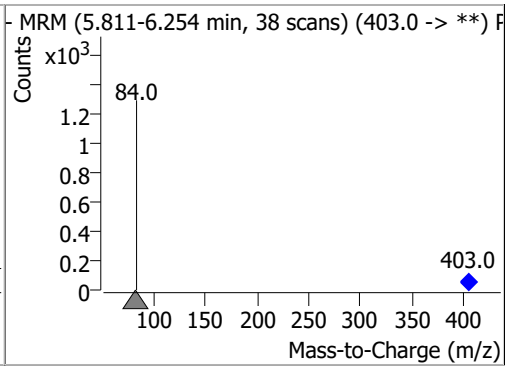




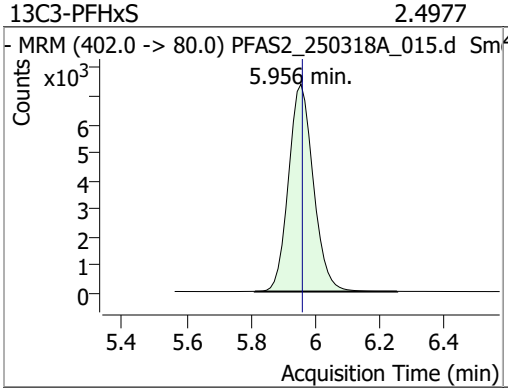
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	33580				

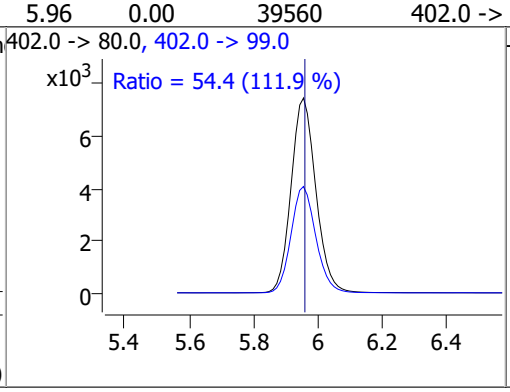


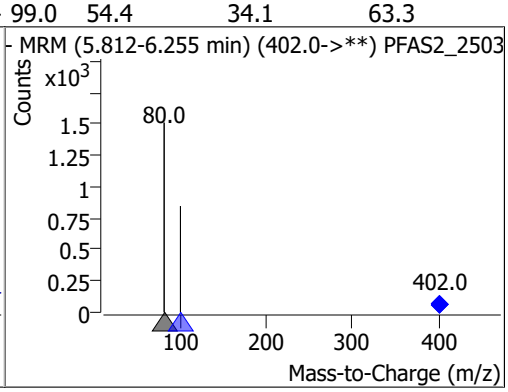




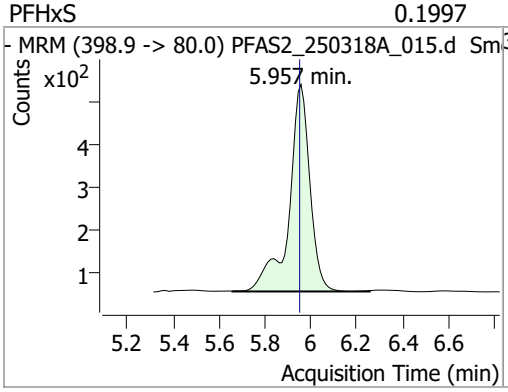
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4977	5.96	0.00	39560	402.0 -> 99.0	54.4	34.1	63.3

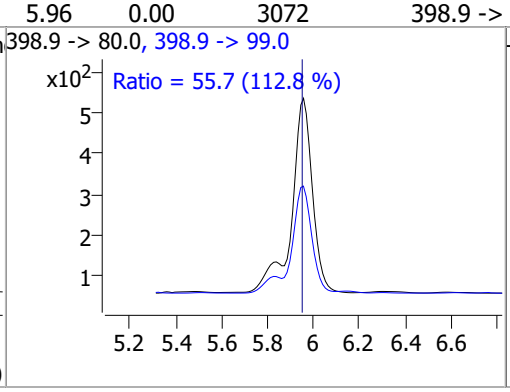


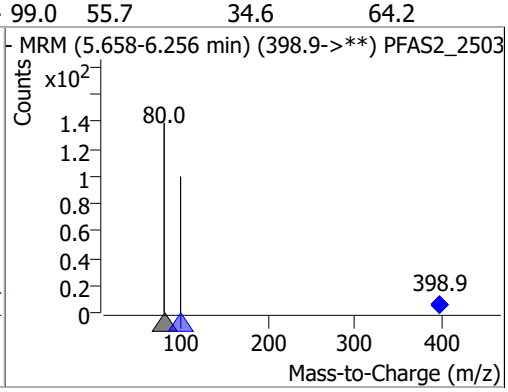




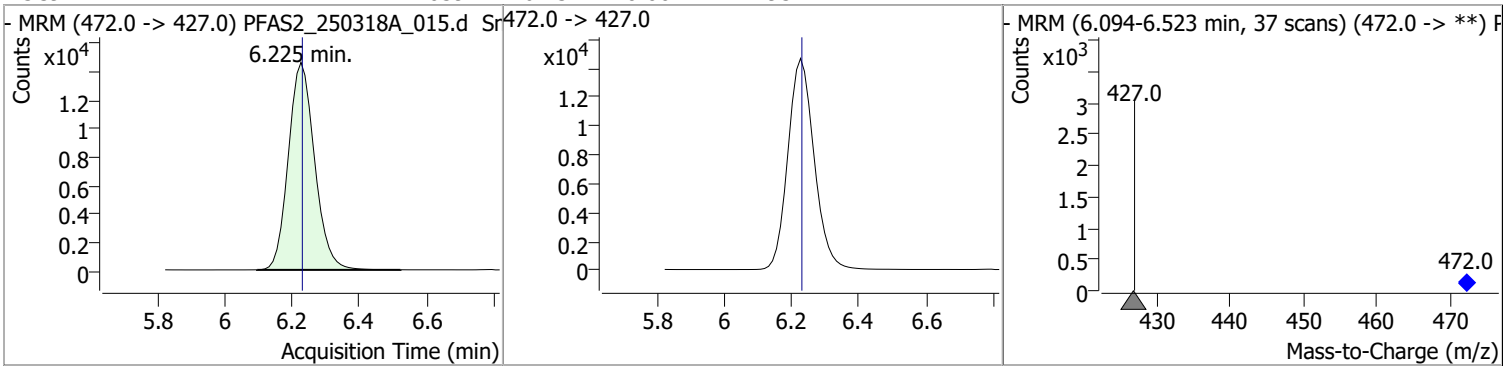
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1997	5.96	0.00	3072	398.9 -> 99.0	55.7	34.6	64.2



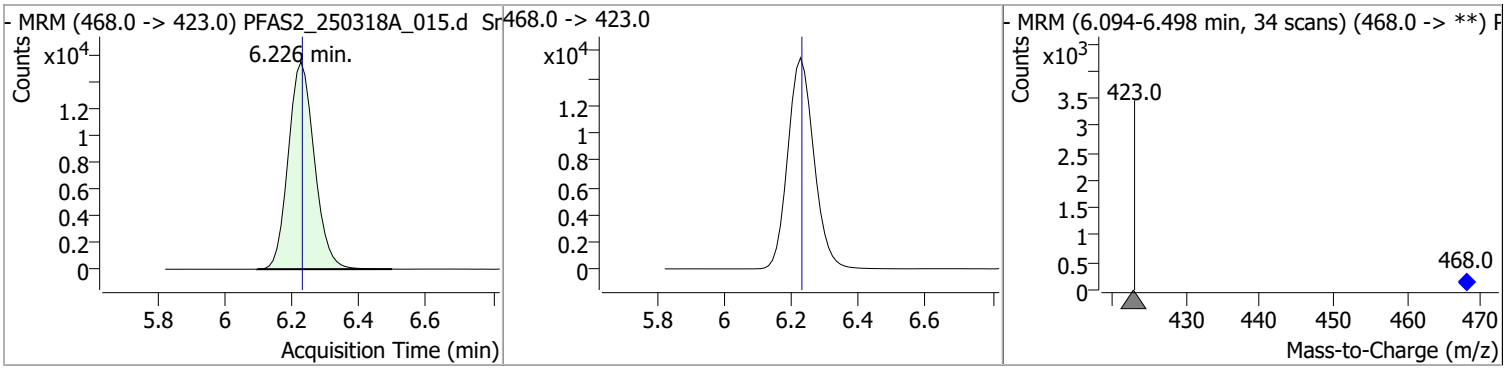




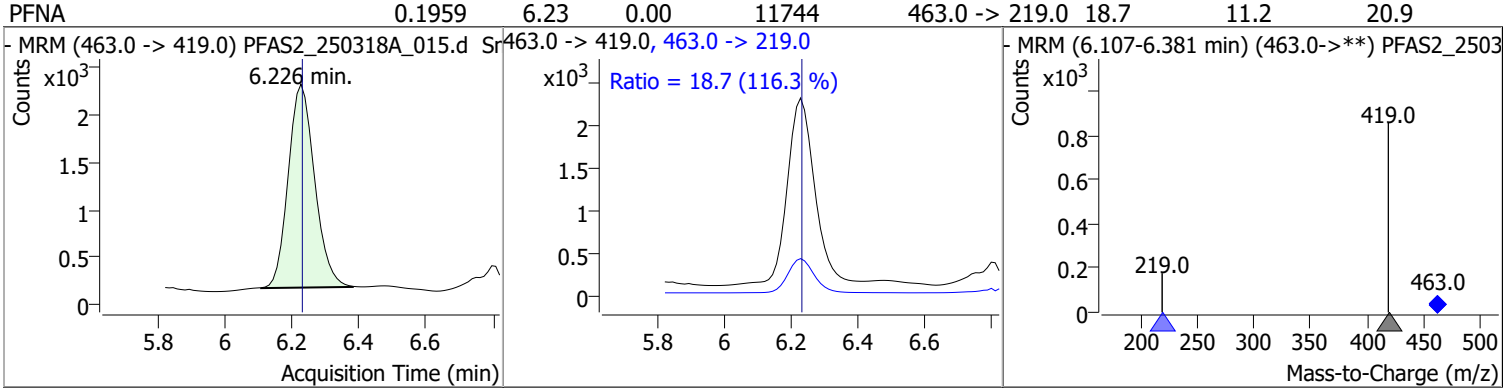
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2039	6.23	0.00	79522				



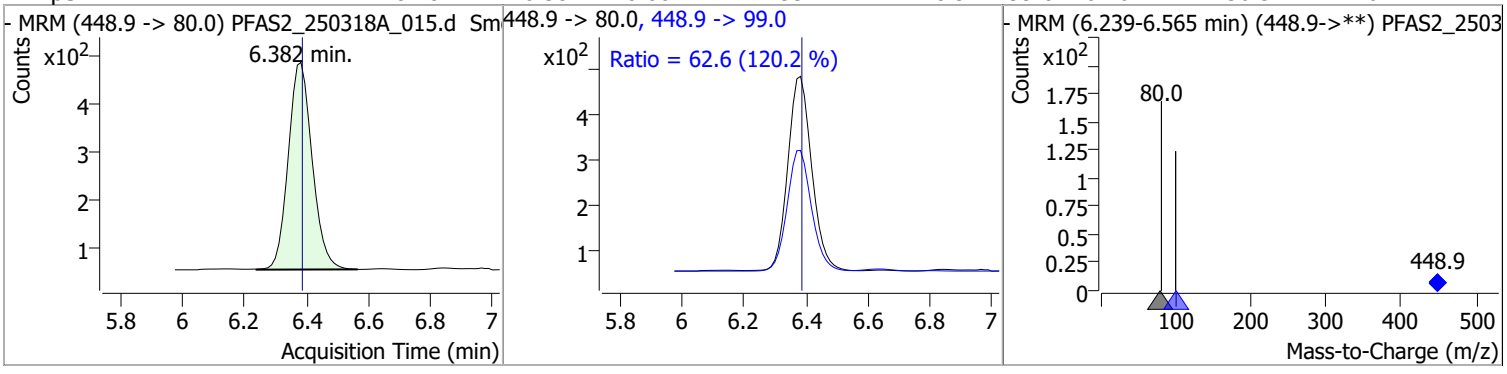
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	83358				



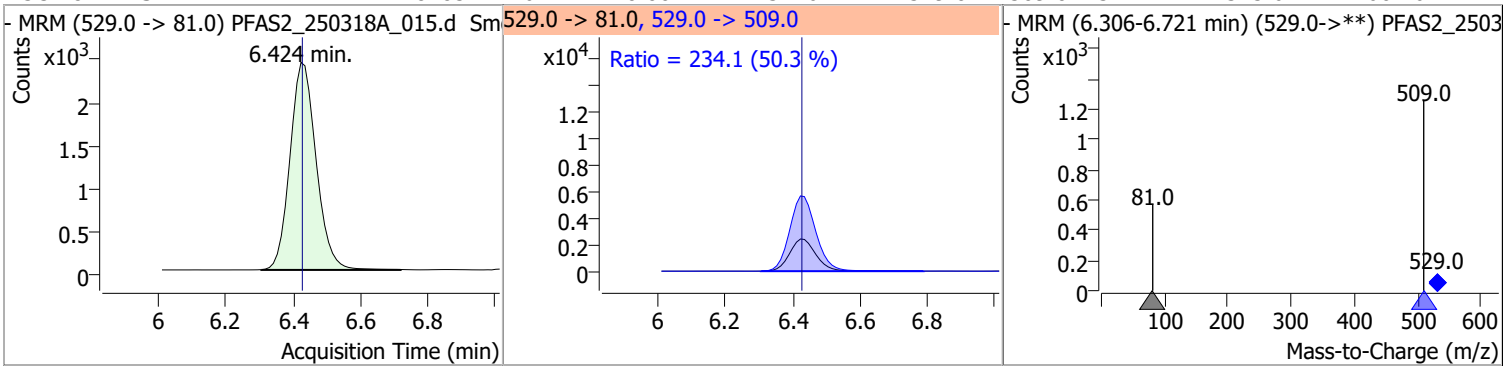
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.1959	6.23	0.00	11744	463.0 -> 219.0	18.7	11.2	20.9



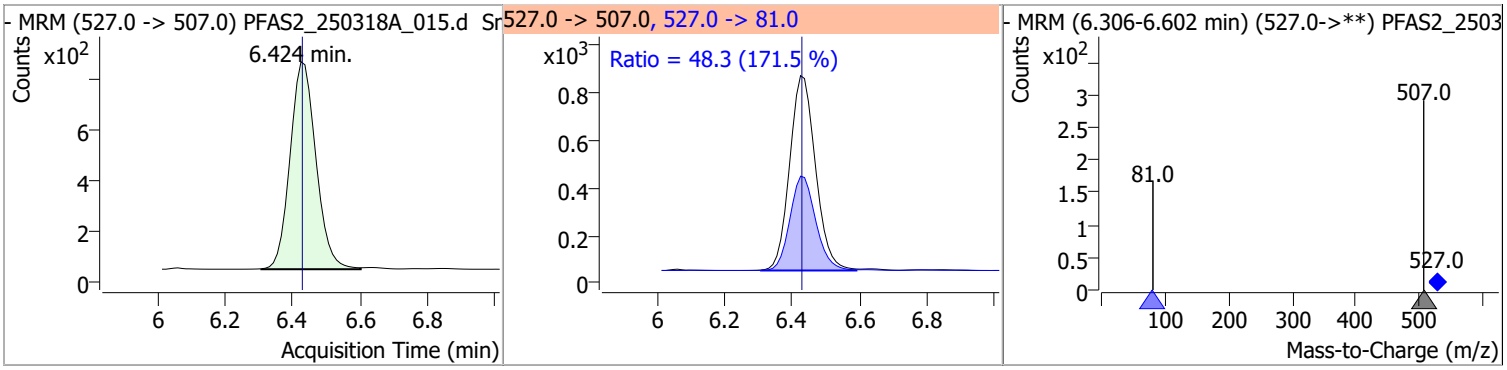
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1821	6.38	0.00	2299	448.9 -> 99.0	62.6	36.5	67.7



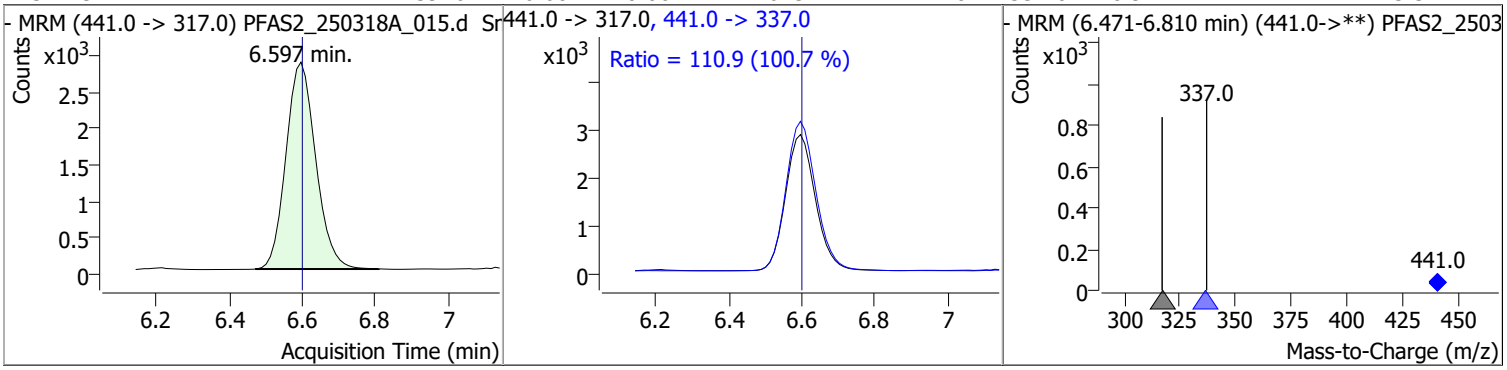
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8785	6.42	0.00	13116	529.0 -> 509.0	234.1	325.6	604.6



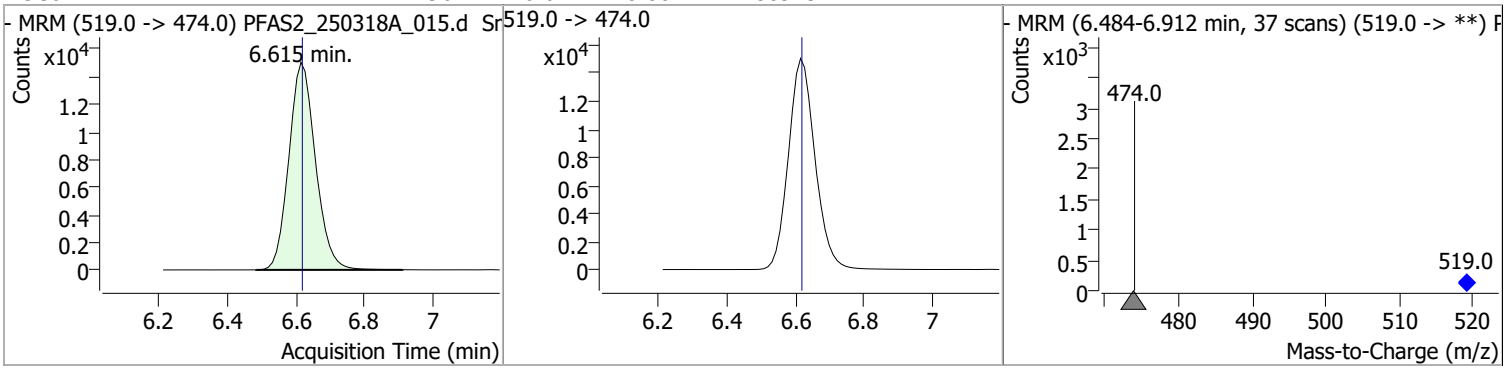
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.8054	6.42	0.00	4387	527.0 -> 81.0	48.3	19.7	36.6



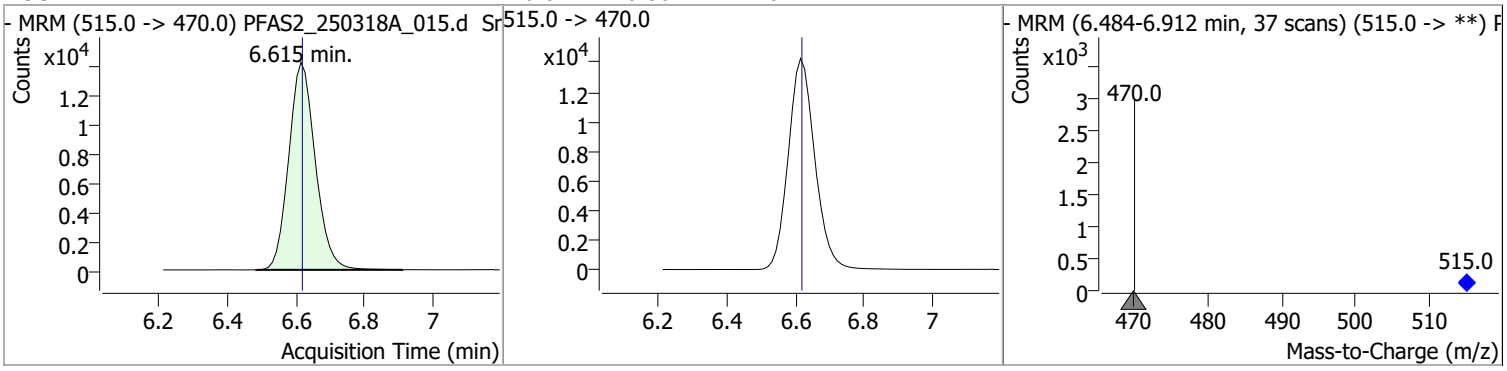
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.3946	6.60	0.00	16132	441.0 -> 337.0	110.9	77.1	143.3



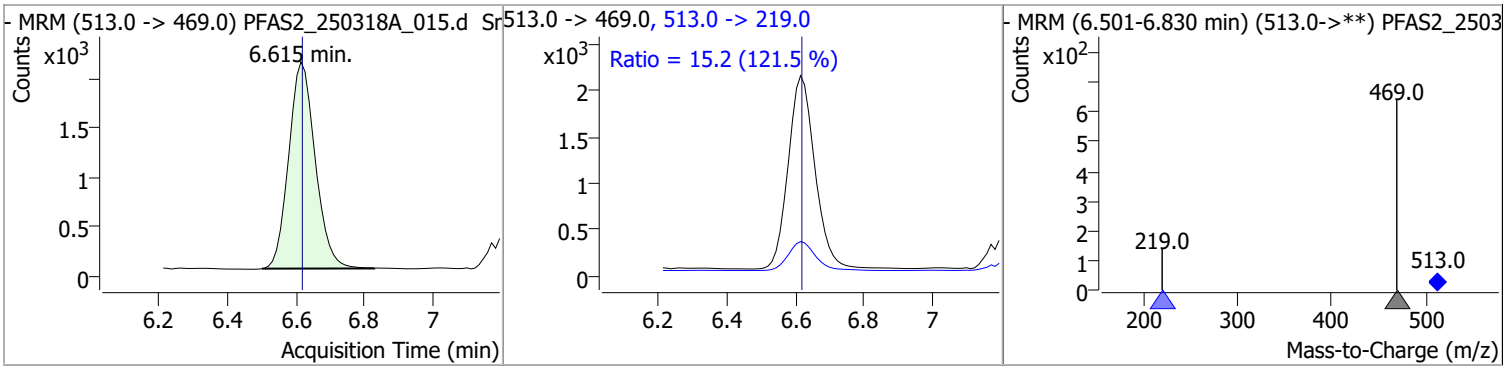
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2962	6.61	0.00	80979				



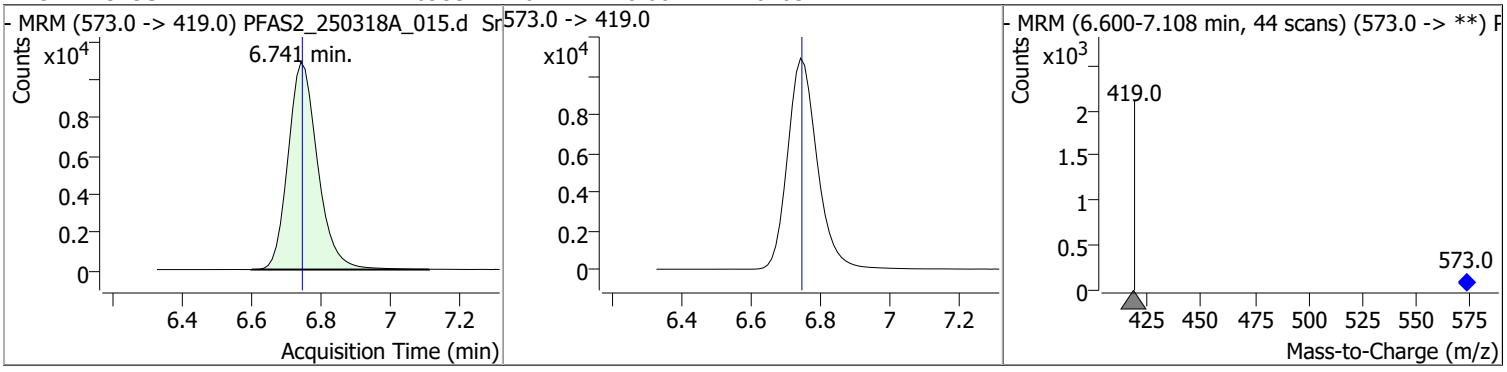
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	76772				



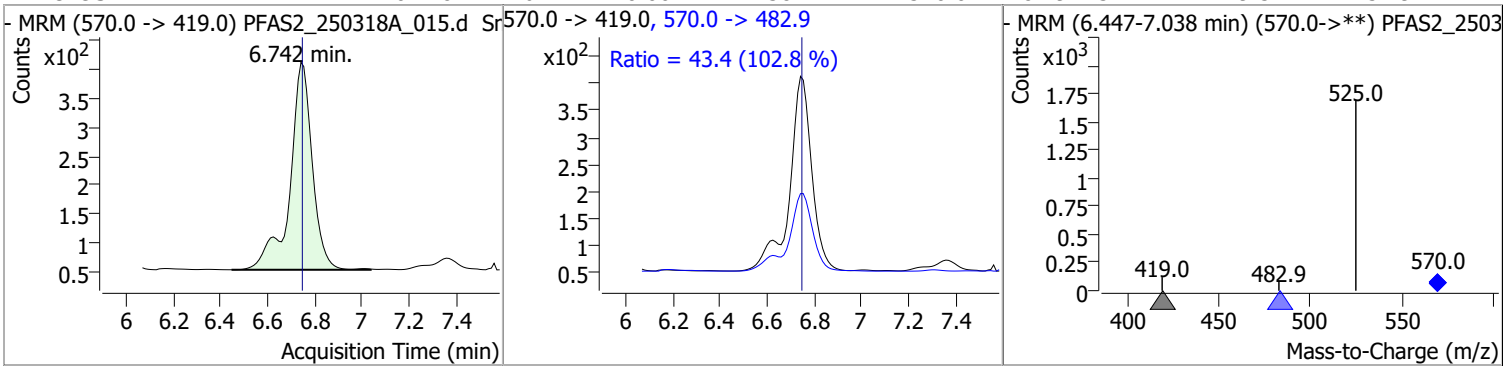
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.1866	6.62	0.00	11239	513.0 -> 219.0	15.2	8.7	16.2



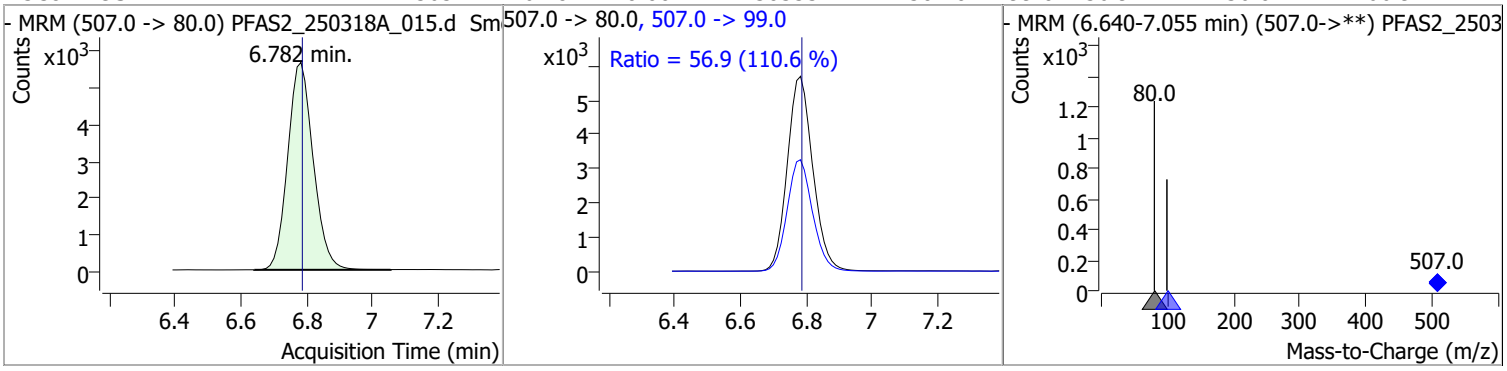
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8955	6.74	0.00	64037				



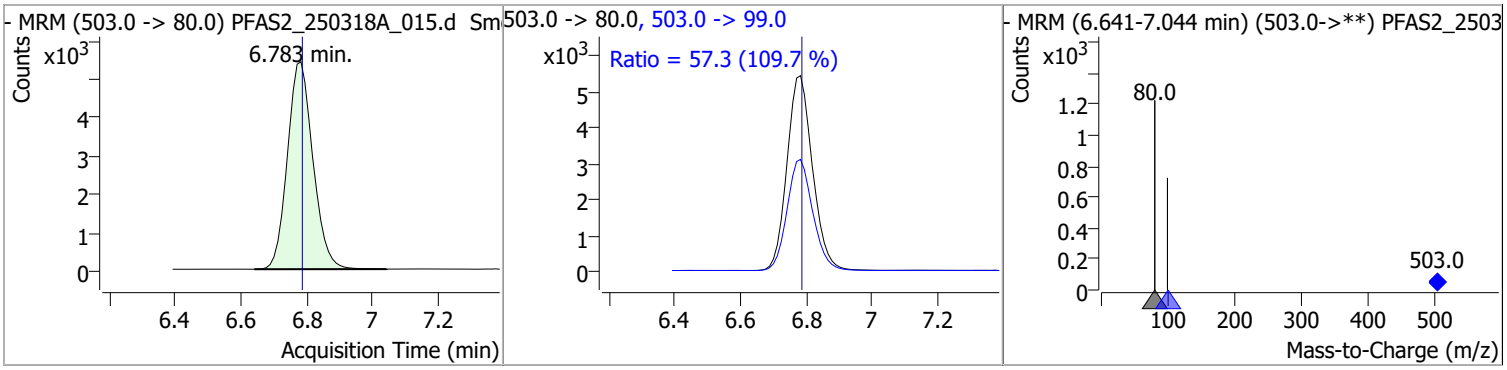
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.2182	6.74	0.00	2382	570.0 -> 482.9	43.4	29.5	54.9



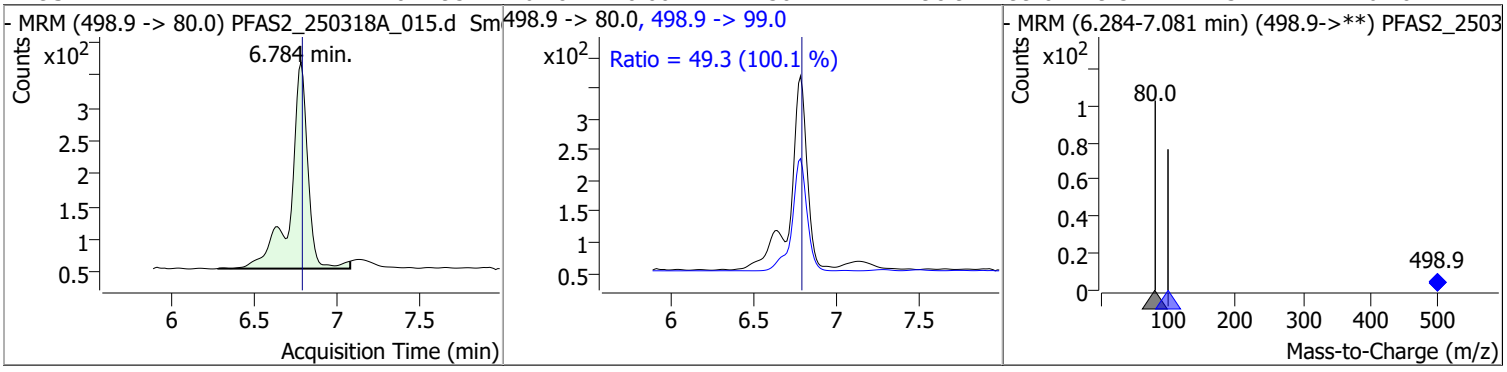
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5654	6.78	0.00	30353	507.0 -> 99.0	56.9	36.0	66.9



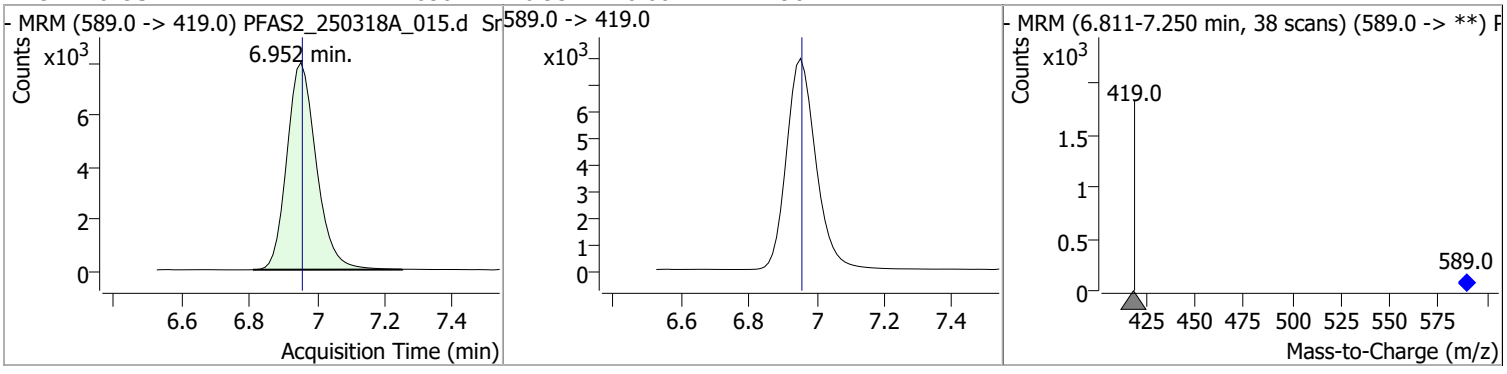
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	29153	503.0 -> 99.0	57.3	36.6	67.9



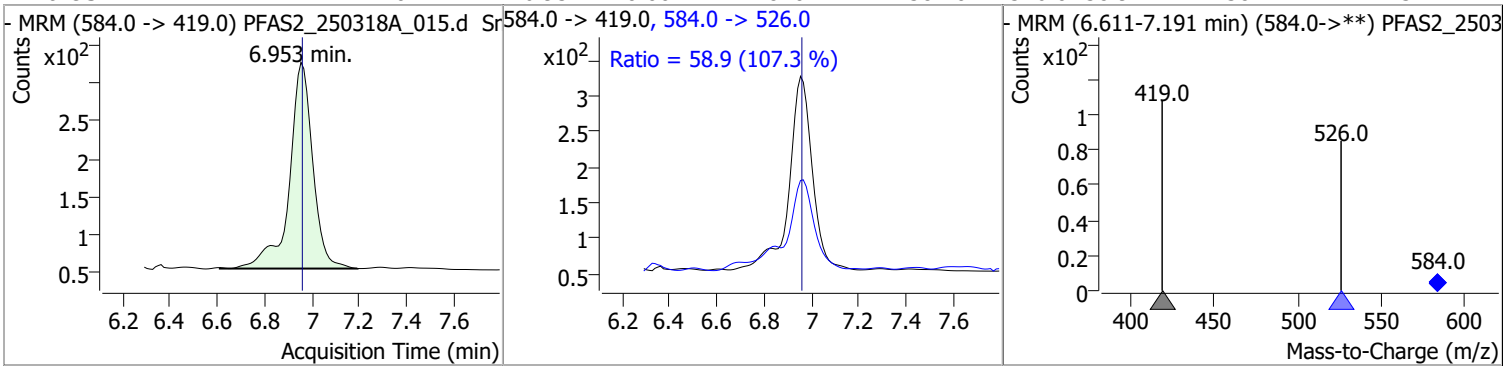
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.2195	6.78	0.00	2304	498.9 -> 99.0	49.3	34.4	64.0



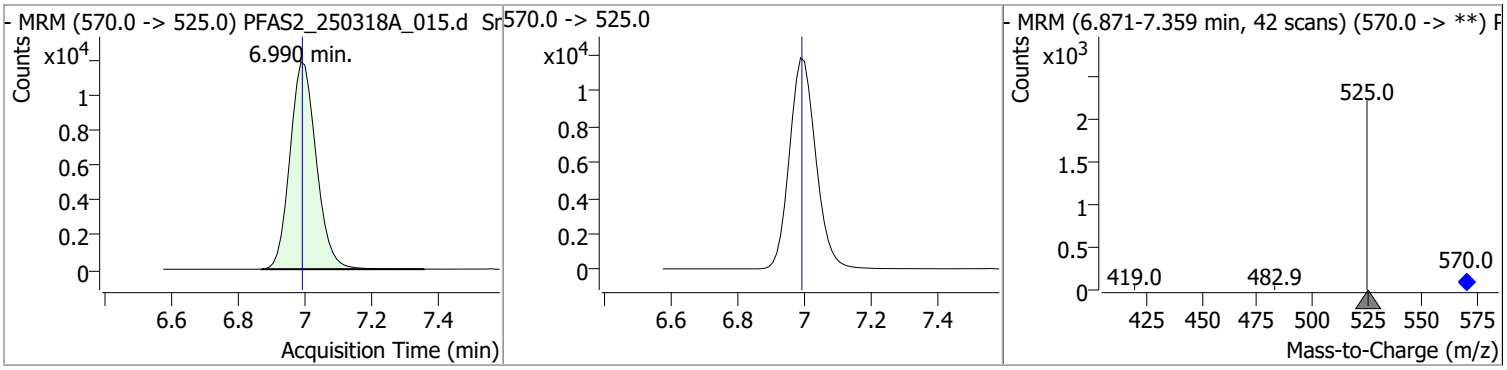
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8507	6.95	0.00	47904				



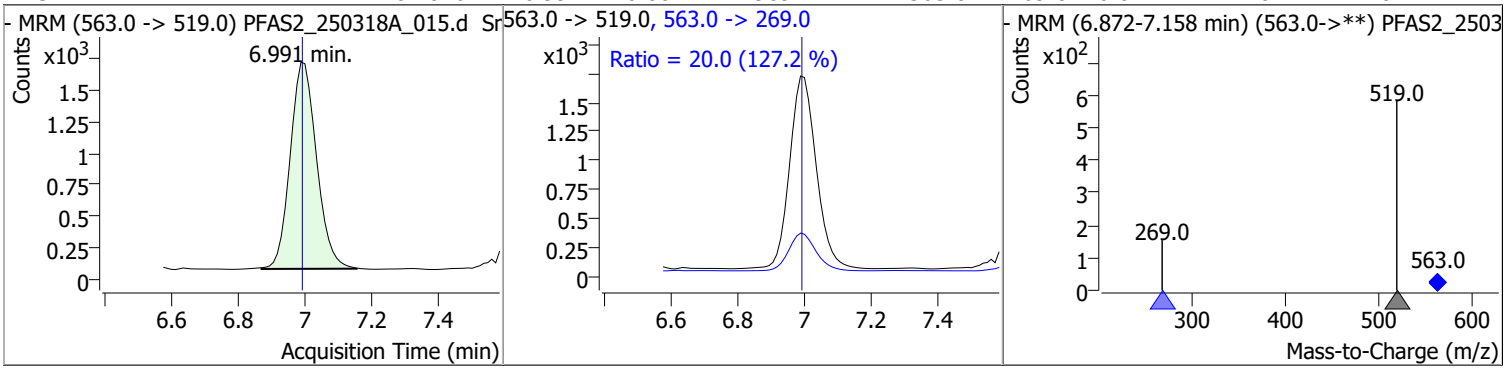
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.2174	6.95	0.00	1870	584.0 -> 526.0	58.9	38.4	71.3



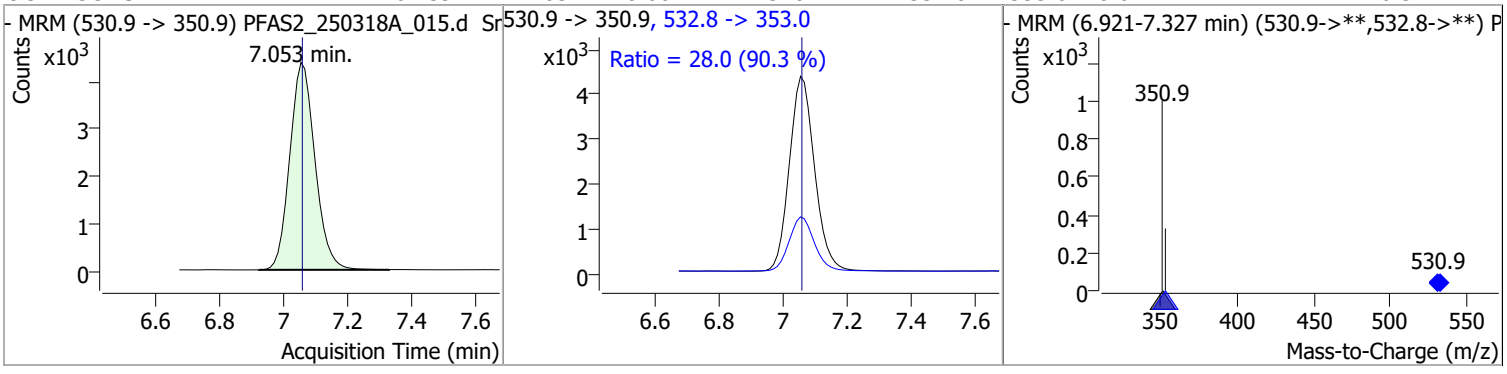
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3160	6.99	0.00	64795				



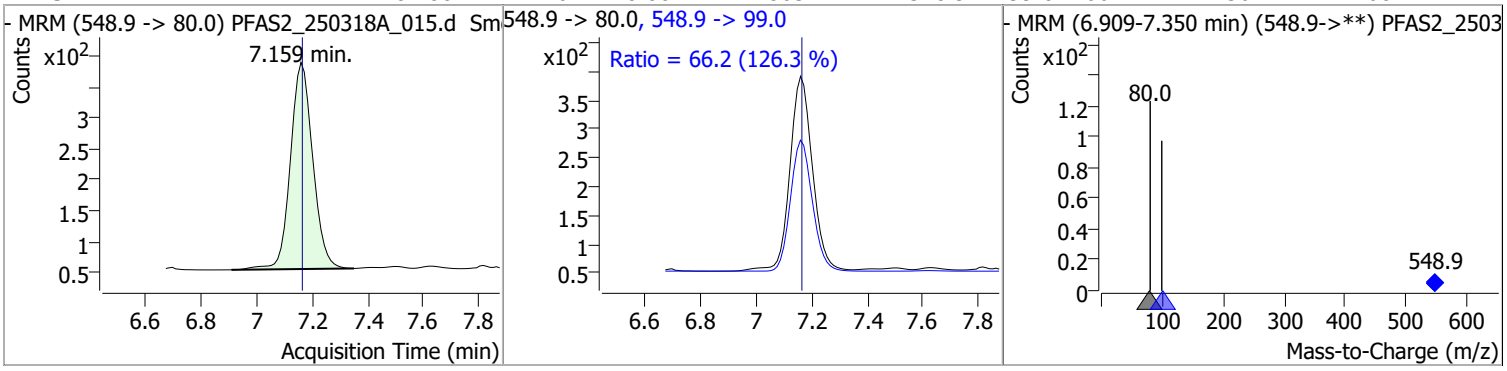
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.2016	6.99	0.00	9092	563.0 -> 269.0	20.0	11.0	20.4



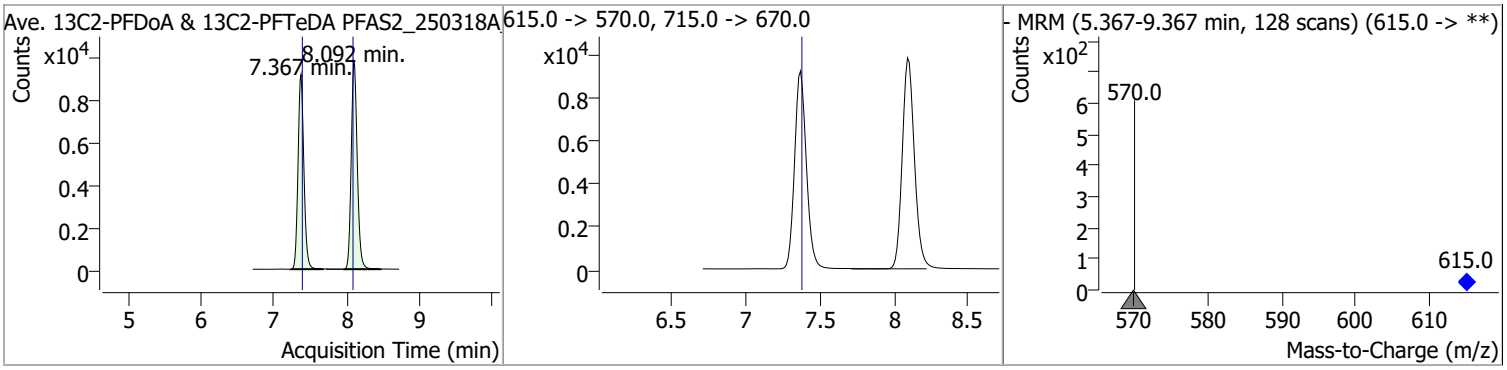
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.4397	7.05	0.00	23701	532.8 -> 353.0	28.0	21.7	40.3



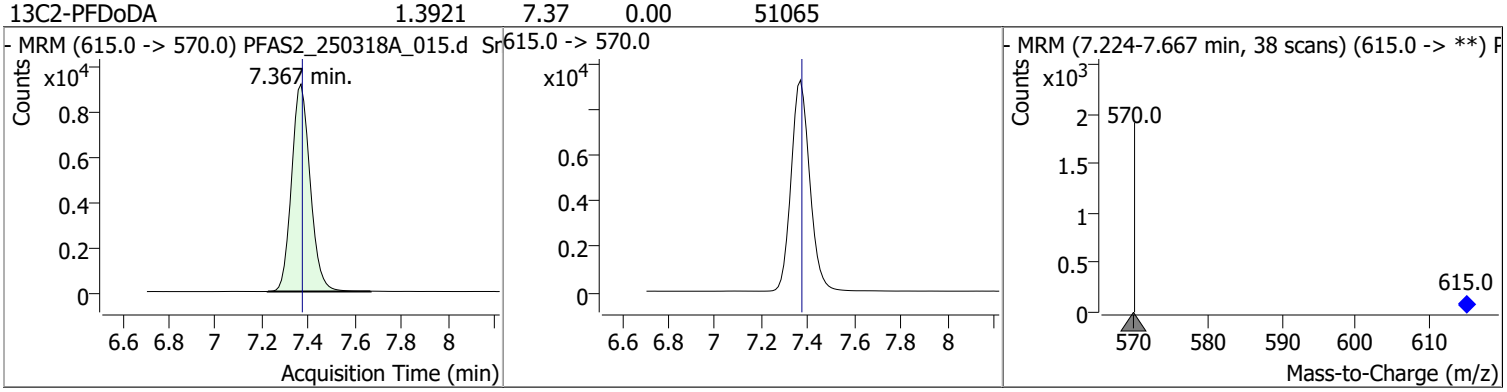
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.1801	7.16	0.00	1865	548.9 -> 99.0	66.2	36.7	68.1



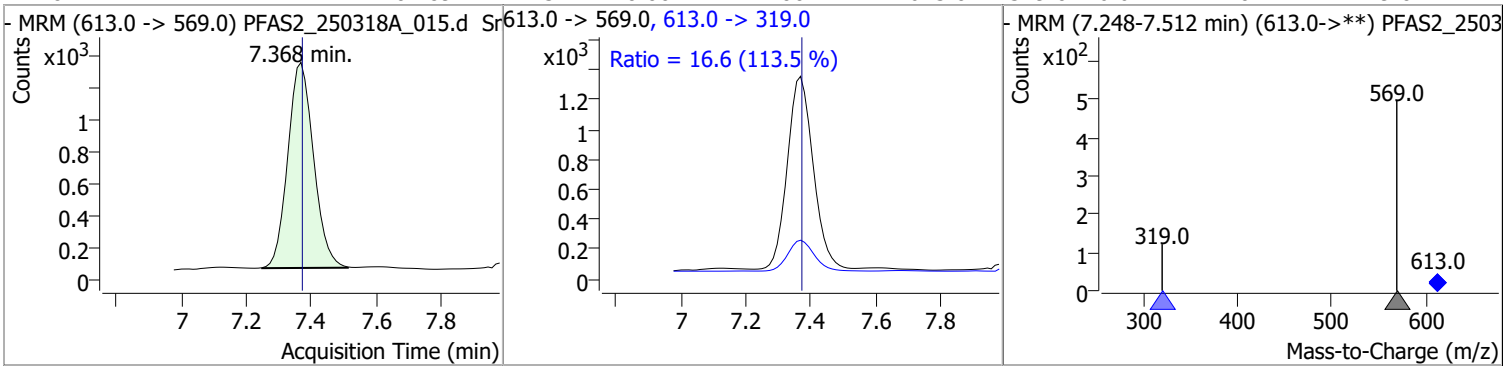
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3248	7.73	0.36	53760				



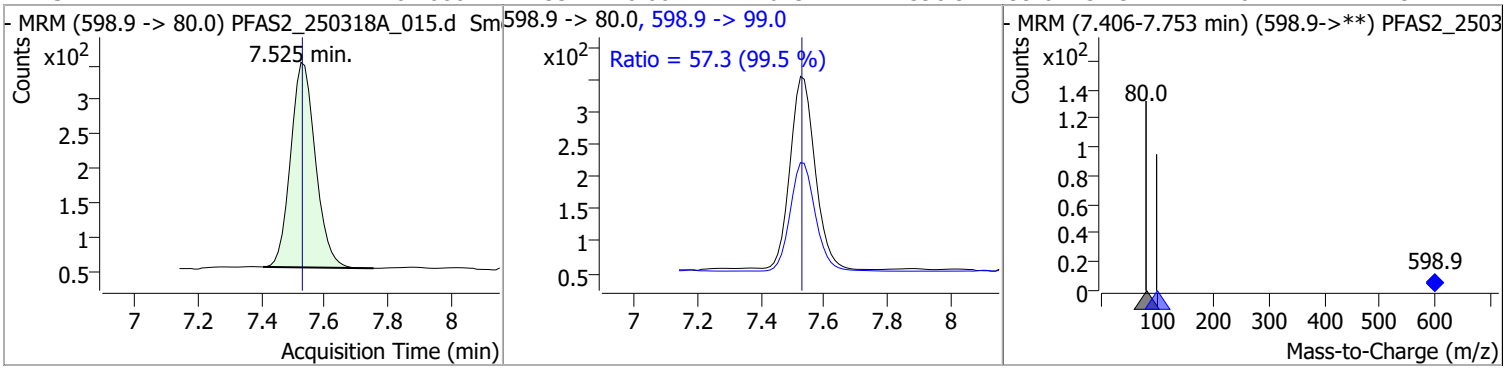
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3921	7.37	0.00	51065				



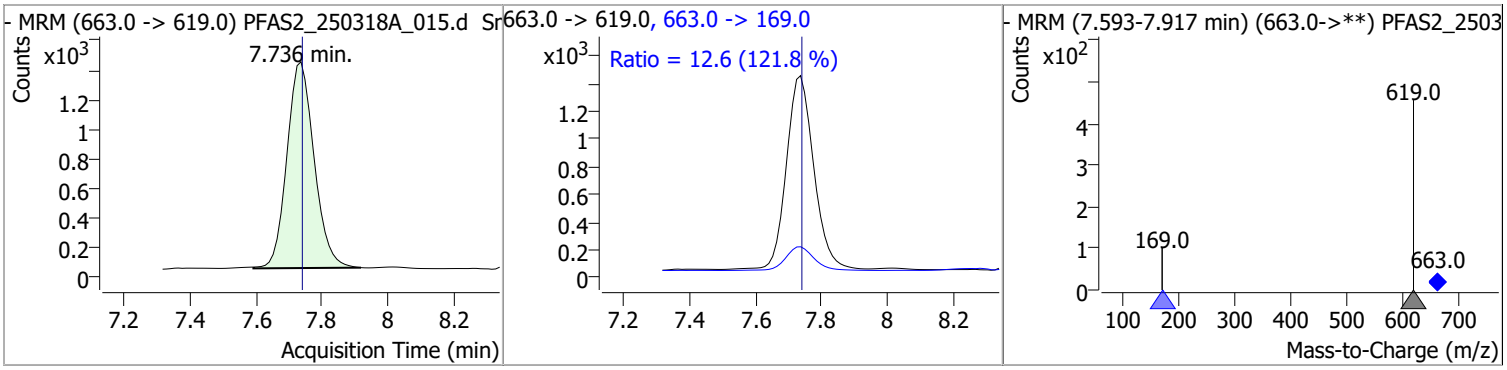
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.1897	7.37	0.00	7100	613.0 -> 319.0	16.6	10.2	19.0



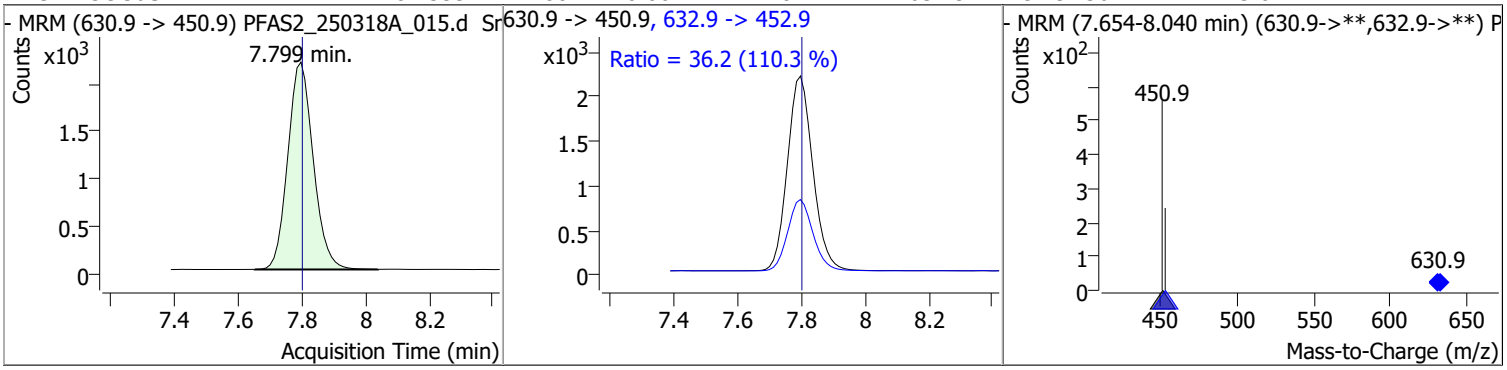
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.2088	7.53	0.00	1615	598.9 -> 99.0	57.3	40.4	74.9



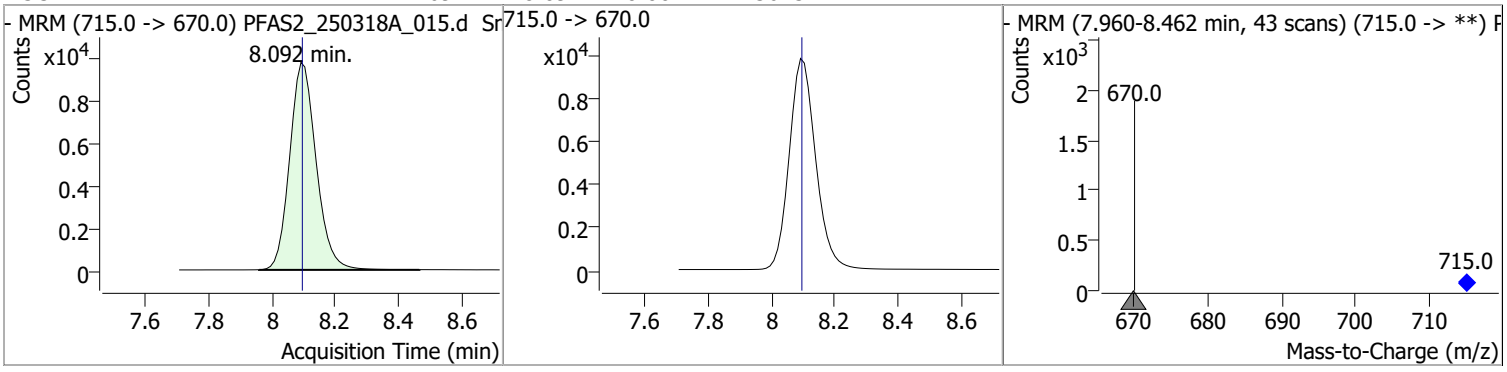
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.1958	7.74	0.00	7933	663.0 -> 169.0	12.6	7.2	13.4



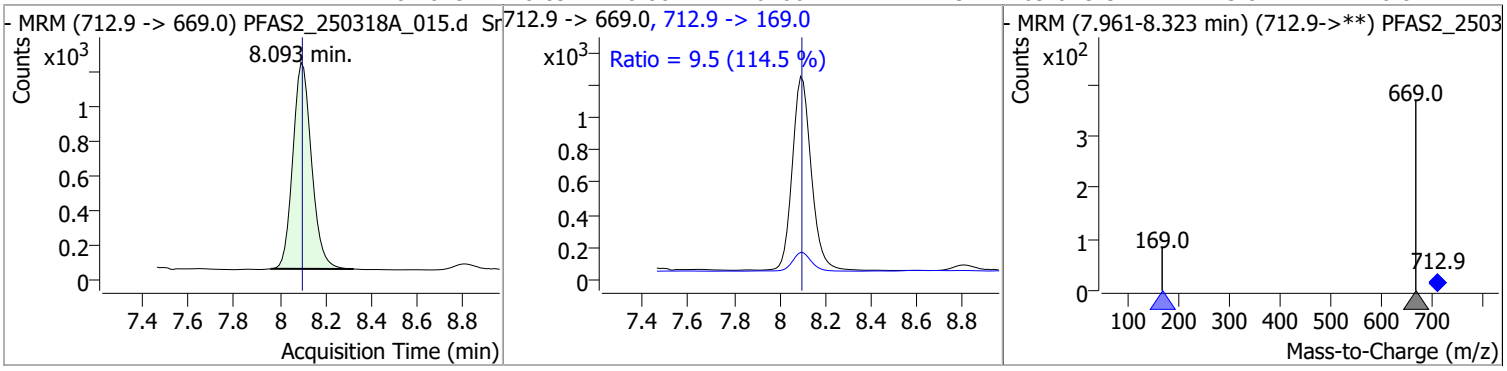
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.4553	7.80	0.00	12021	632.9 -> 452.9	36.2	23.0	42.7



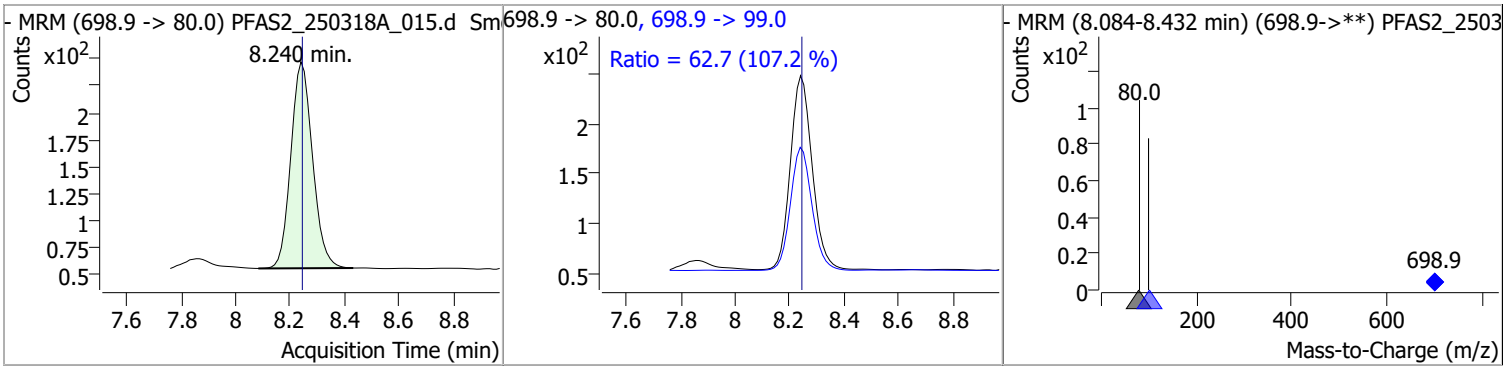
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2692	8.09	0.00	56454				



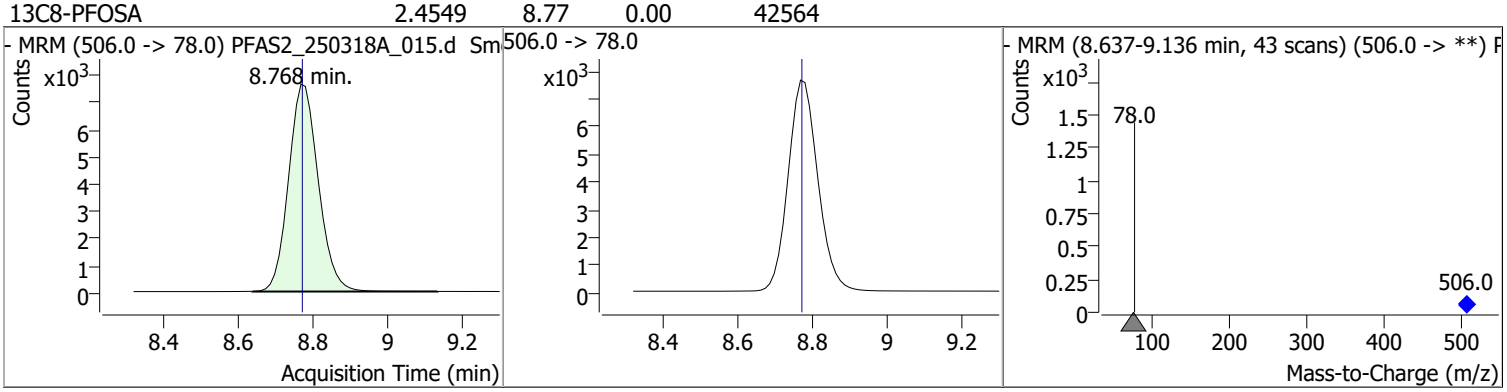
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.2015	8.09	0.00	6766	712.9 -> 169.0	9.5	5.8	10.8



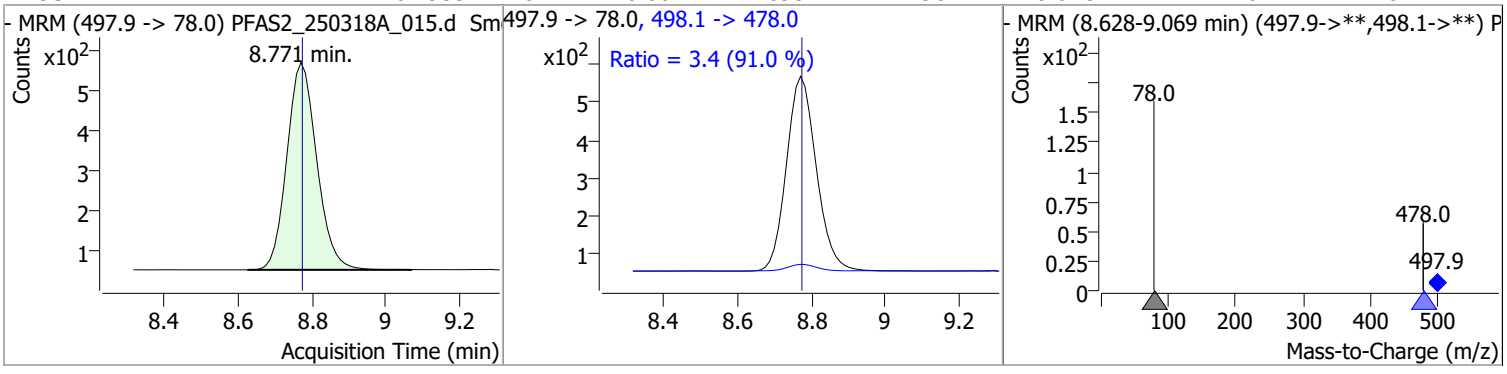
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.1978	8.24	0.00	1070	698.9 -> 99.0	62.7	41.0	76.1



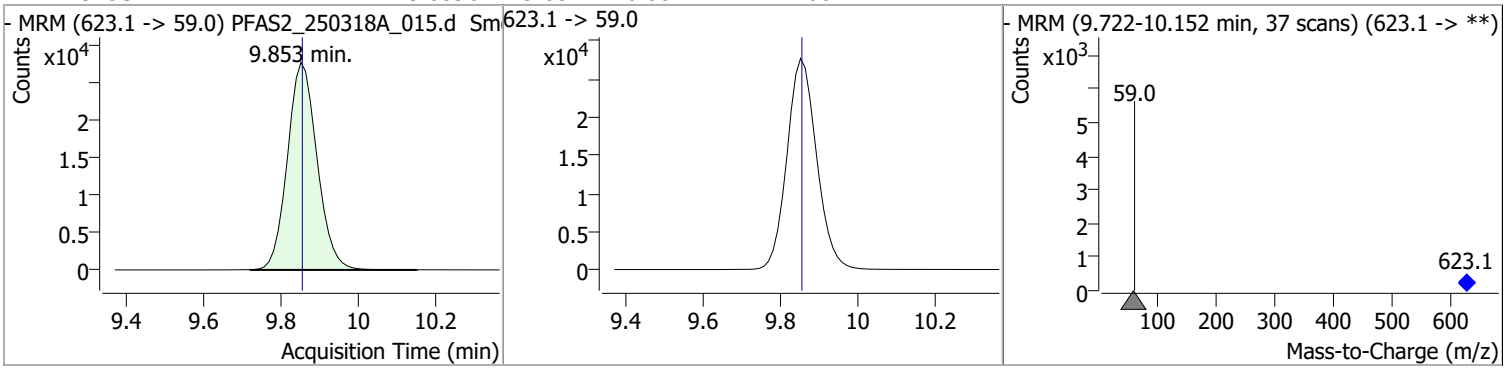
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4549	8.77	0.00	42564				



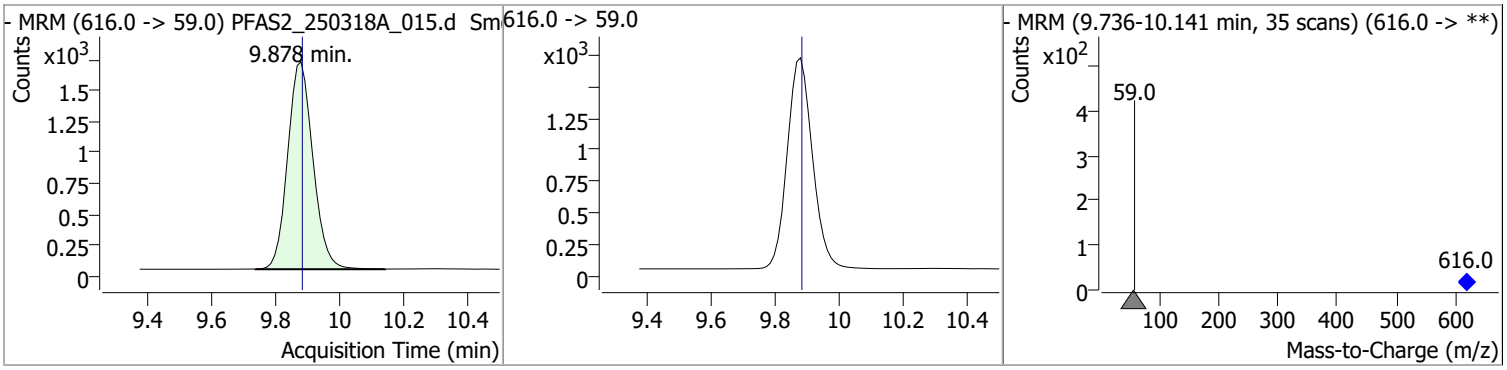
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.1955	8.77	0.00	2893	498.1 -> 478.0	3.4	2.6	4.8



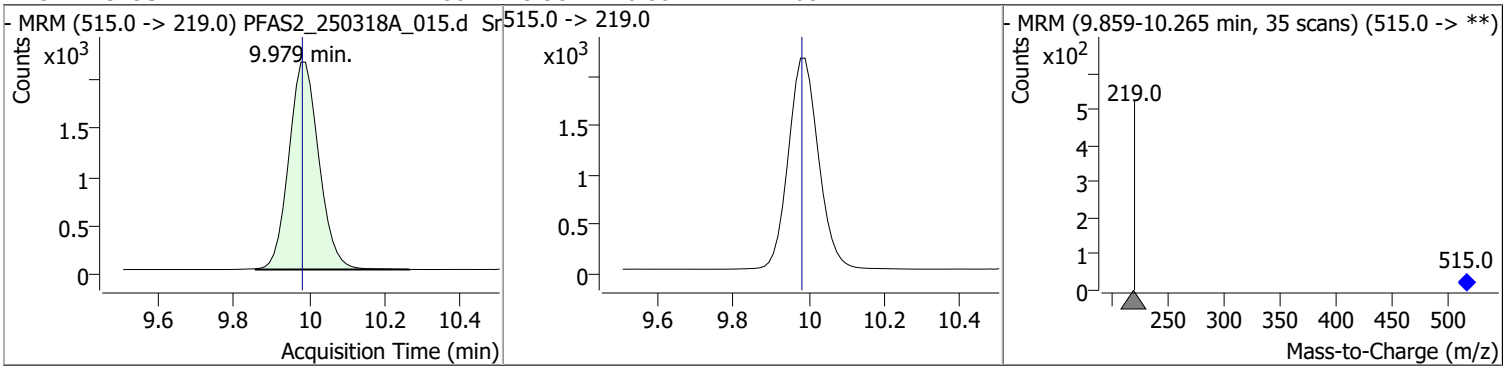
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.0596	9.85	0.00	147288				



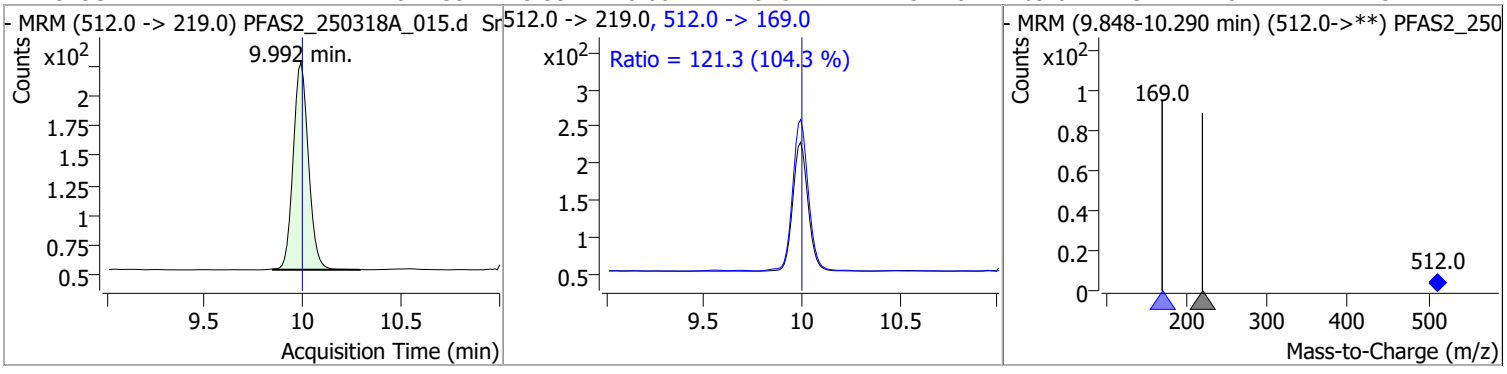
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	2.0289	9.88	0.00	9202				



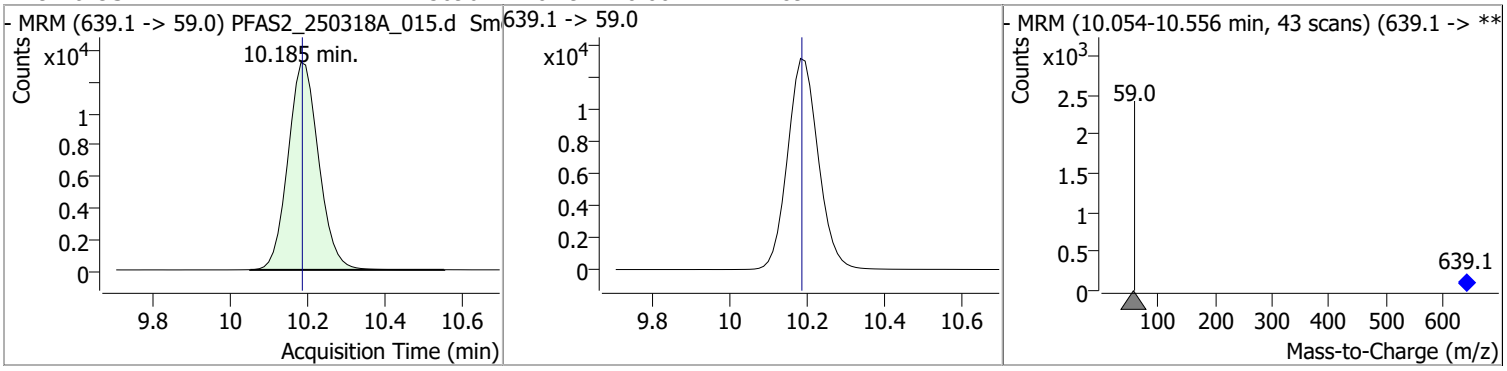
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4186	9.98	0.00	11768				



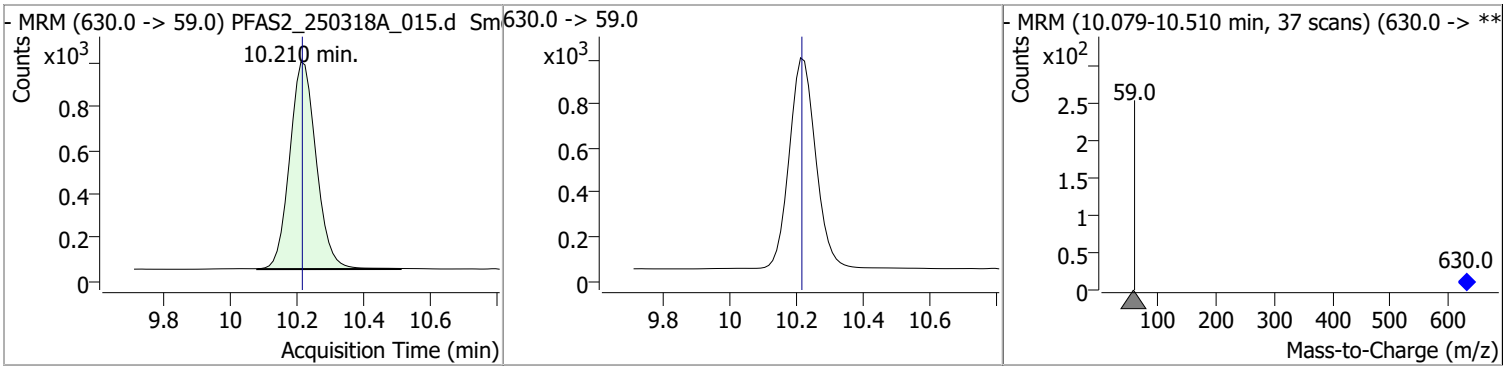
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.2135	9.99	0.00	945	512.0 -> 169.0	121.3	81.4	151.2



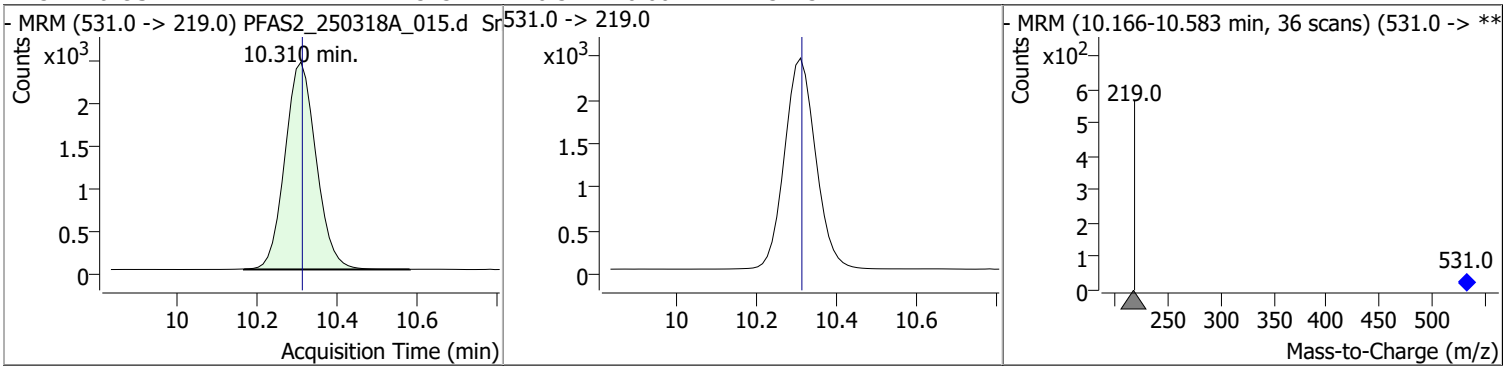
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.5096	10.19	0.00	72897				



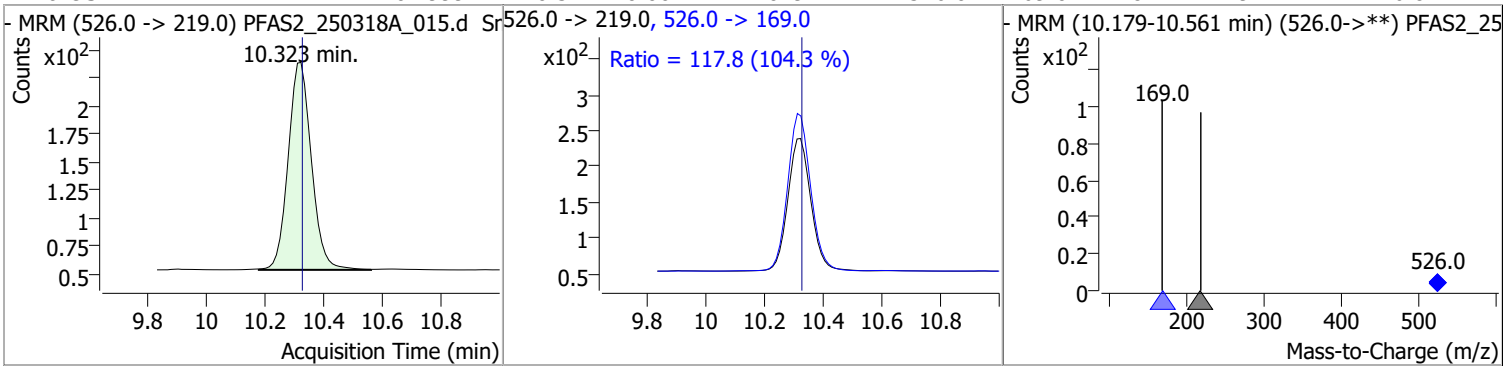
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	2.0318	10.21	0.00	5294				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5132	10.31	0.00	13223				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.1999	10.32	0.00	1019	526.0 -> 169.0	117.8	79.1	146.8



INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0643 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
ICV (S25C0643-ICV1)			*Lab File ID: PFAS2_250318A_013.d*		*Analyzed: 03/18/25 19:01*				
13C3-PFBA	144462.2	3.074767	148035.9	3.074767	98	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	166287	4.890067	163643.5	4.890067	102	30 - 150	0.0000	+/-0.10	
13C4-PFOA	15904.91	5.83505	16039.33	5.823216	99	30 - 150	0.0118	+/-0.10	
13C5-PFNA	73853.07	6.237333	75887.94	6.225533	97	30 - 150	0.0118	+/-0.10	
13C2-PFDA	70623.87	6.62685	72539.38	6.615083	97	30 - 150	0.0118	+/-0.10	
18O2-PFHxS	29900.95	5.966967	31564.37	5.95515	95	30 - 150	0.0118	+/-0.10	
13C4-PFOS	25682.89	6.782967	27120.01	6.782967	95	30 - 150	0.0000	+/-0.10	

* Values outside of QC limits

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CCV (S25C0702-CCV1)			*Lab File ID: PFAS2_250318A_016.d*		*Analyzed: 03/18/25 19:15*				
13C3-PFBA	136842.3	3.074767	148035.9	3.074767	92	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	153424.7	4.890067	163643.5	4.890067	94	30 - 150	0.0000	+/-0.10	
13C4-PFOA	15447.95	5.83505	16039.33	5.823216	96	30 - 150	0.0118	+/-0.10	
13C5-PFNA	71172.24	6.225533	75887.94	6.225533	94	30 - 150	0.0000	+/-0.10	
13C2-PFDA	66876.34	6.615083	72539.38	6.615083	92	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	29630	5.966967	31564.37	5.95515	94	30 - 150	0.0118	+/-0.10	
13C4-PFOS	24909.19	6.782967	27120.01	6.782967	92	30 - 150	0.0000	+/-0.10	
CCB (S25C0702-CCB1)			*Lab File ID: PFAS2_250318A_014.d*		*Analyzed: 03/18/25 19:17*				
13C3-PFBA	139655.8	3.050767	136842.3	3.074767	102	30 - 150	-0.0240	+/-0.10	
13C2-PFHxA	144512.7	4.878233	153424.7	4.890067	94	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	14134.37	5.823216	15447.95	5.83505	91	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	70295.86	6.225533	71172.24	6.225533	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	64842.19	6.615083	66876.34	6.615083	97	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	29121.51	5.94335	29630	5.966967	98	30 - 150	-0.0236	+/-0.10	
13C4-PFOS	25553.1	6.771217	24909.19	6.782967	103	30 - 150	-0.0118	+/-0.10	
LCV (S25C0702-LCV1)			*Lab File ID: PFAS2_250318A_015.d*		*Analyzed: 03/18/25 19:34*				
13C3-PFBA	161938.3	3.074767	136842.3	3.074767	118	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	173676.5	4.890067	153424.7	4.890067	113	30 - 150	0.0000	+/-0.10	
13C4-PFOA	16924.22	5.823216	15447.95	5.83505	110	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	83357.99	6.225533	71172.24	6.225533	117	30 - 150	0.0000	+/-0.10	
13C2-PFDA	76772.18	6.615083	66876.34	6.615083	115	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	33579.92	5.95515	29630	5.966967	113	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	29153	6.782967	24909.19	6.782967	117	30 - 150	0.0000	+/-0.10	
CCV (S25C0702-CCV2)			*Lab File ID: PFAS2_250318A_016.d*		*Analyzed: 03/18/25 19:50*				
13C3-PFBA	151194.9	3.074767	136842.3	3.074767	110	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	168748.2	4.890067	153424.7	4.890067	110	30 - 150	0.0000	+/-0.10	
13C4-PFOA	17519.52	5.83505	15447.95	5.83505	113	30 - 150	0.0000	+/-0.10	
13C5-PFNA	82515.44	6.225533	71172.24	6.225533	116	30 - 150	0.0000	+/-0.10	
13C2-PFDA	70497.77	6.615083	66876.34	6.615083	105	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	32640.7	5.966967	29630	5.966967	110	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26471.69	6.782967	24909.19	6.782967	106	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
IFB (S25C0702-IFB1)			*Lab File ID: PFAS2_250318A_017.d*		*Analyzed: 03/18/25 20:06*				
13C3-PFBA	3.061446	3.12275	151194.9	3.074767	0	30 - 150	0.0480	+/-0.10	*
13C2-PFHxA	14.00963	4.865317	168748.2	4.890067	0	30 - 150	-0.0248	+/-0.10	*
13C4-PFOA	2.807306	5.87055	17519.52	5.83505	0	30 - 150	0.0355	+/-0.10	*
13C5-PFNA	1.874645	6.106433	82515.44	6.225533	0	30 - 150	-0.1191	+/-0.10	*
13C2-PFDA	25.39664	6.5433	70497.77	6.615083	0	30 - 150	-0.0718	+/-0.10	*
18O2-PFHxS	2.378519	5.95515	32640.7	5.966967	0	30 - 150	-0.0118	+/-0.10	*
13C4-PFOS	37.6825	7.020333	26471.69	6.782967	0	30 - 150	0.2374	+/-0.10	*
IFA (S25C0702-IFA1)			*Lab File ID: PFAS2_250318A_018.d*		*Analyzed: 03/18/25 20:22*				
13C3-PFBA			151194.9	3.074767		30 - 150	-3.0748	+/-0.10	*
13C2-PFHxA			168748.2	4.890067		30 - 150	-4.8901	+/-0.10	*
13C4-PFOA			17519.52	5.83505		30 - 150	-5.8351	+/-0.10	*
13C5-PFNA			82515.44	6.225533		30 - 150	-6.2255	+/-0.10	*
13C2-PFDA			70497.77	6.615083		30 - 150	-6.6151	+/-0.10	*
18O2-PFHxS			32640.7	5.966967		30 - 150	-5.9670	+/-0.10	*
13C4-PFOS			26471.69	6.782967		30 - 150	-6.7830	+/-0.10	*
CCB (S25C0702-CCB2)			*Lab File ID: PFAS2_250318A_019.d*		*Analyzed: 03/18/25 20:39*				
13C3-PFBA	129305.1	3.050767	151194.9	3.074767	86	30 - 150	-0.0240	+/-0.10	
13C2-PFHxA	144169.8	4.878233	168748.2	4.890067	85	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	14600.83	5.823216	17519.52	5.83505	83	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	70629.91	6.21375	82515.44	6.225533	86	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	65305.95	6.6033	70497.77	6.615083	93	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	27429.54	5.95515	32640.7	5.966967	84	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	23223.96	6.771217	26471.69	6.782967	88	30 - 150	-0.0118	+/-0.10	
BLK (B25C0783-BLK1)			*Lab File ID: PFAS2_250318A_020.d*		*Analyzed: 03/18/25 20:57*				
13C3-PFBA	121666.3	3.062767	151194.9	3.074767	80	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	136106.3	4.9019	168748.2	4.890067	81	30 - 150	0.0118	+/-0.10	
13C4-PFOA	14264.42	5.823216	17519.52	5.83505	81	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	68512.71	6.225533	82515.44	6.225533	83	30 - 150	0.0000	+/-0.10	
13C2-PFDA	59841.96	6.615083	70497.77	6.615083	85	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	26848.35	5.95515	32640.7	5.966967	82	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	21329.02	6.771217	26471.69	6.782967	81	30 - 150	-0.0118	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
BS (B25C0783-BS1)			*Lab File ID: PFAS2_250318A_021.d*		*Analyzed: 03/18/25 21:14*				
13C3-PFBA	121442	3.074767	151194.9	3.074767	80	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	133959.2	4.9019	168748.2	4.890067	79	30 - 150	0.0118	+/-0.10	
13C4-PFOA	14443.35	5.823216	17519.52	5.83505	82	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	65921.35	6.225533	82515.44	6.225533	80	30 - 150	0.0000	+/-0.10	
13C2-PFDA	62114.03	6.615083	70497.77	6.615083	88	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	26634.79	5.95515	32640.7	5.966967	82	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	23240.46	6.771217	26471.69	6.782967	88	30 - 150	-0.0118	+/-0.10	
BS (B25C0783-BS2)			*Lab File ID: PFAS2_250318A_022.d*		*Analyzed: 03/18/25 21:32*				
13C3-PFBA	120182.7	3.074767	151194.9	3.074767	79	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	138969.7	4.9019	168748.2	4.890067	82	30 - 150	0.0118	+/-0.10	
13C4-PFOA	14561.11	5.823216	17519.52	5.83505	83	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	68137.78	6.225533	82515.44	6.225533	83	30 - 150	0.0000	+/-0.10	
13C2-PFDA	58004.76	6.615083	70497.77	6.615083	82	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	26318.74	5.95515	32640.7	5.966967	81	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	22745.46	6.771217	26471.69	6.782967	86	30 - 150	-0.0118	+/-0.10	
MS (B25C0783-MS1)			*Lab File ID: PFAS2_250318A_023.d*		*Analyzed: 03/18/25 21:49*				
13C3-PFBA	117573.1	3.062767	151194.9	3.074767	78	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	136434.4	4.890067	168748.2	4.890067	81	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13812.47	5.823216	17519.52	5.83505	79	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	68297.79	6.225533	82515.44	6.225533	83	30 - 150	0.0000	+/-0.10	
13C2-PFDA	61974.12	6.6033	70497.77	6.615083	88	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	25223.06	5.95515	32640.7	5.966967	77	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	21333.88	6.771217	26471.69	6.782967	81	30 - 150	-0.0118	+/-0.10	
MSD (B25C0783-MSD1)			*Lab File ID: PFAS2_250318A_024.d*		*Analyzed: 03/18/25 22:05*				
13C3-PFBA	121369.1	3.062767	151194.9	3.074767	80	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	132393.4	4.890067	168748.2	4.890067	78	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13831.2	5.83505	17519.52	5.83505	79	30 - 150	0.0000	+/-0.10	
13C5-PFNA	66087.48	6.225533	82515.44	6.225533	80	30 - 150	0.0000	+/-0.10	
13C2-PFDA	61635.97	6.6033	70497.77	6.615083	87	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	24706.83	5.95515	32640.7	5.966967	76	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	21458.28	6.771217	26471.69	6.782967	81	30 - 150	-0.0118	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW03RA-GW031225 (O25C0550-01)			*Lab File ID: PFAS2_250318A_025.d*		*Analyzed: 03/18/25 22:21*				
13C3-PFBA	114834.9	3.062767	151194.9	3.074767	76	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	130692.7	4.890067	168748.2	4.890067	77	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13789.71	5.823216	17519.52	5.83505	79	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	65862.31	6.21375	82515.44	6.225533	80	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	59423.82	6.6033	70497.77	6.615083	84	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	26353.83	5.95515	32640.7	5.966967	81	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	22384.38	6.771217	26471.69	6.782967	85	30 - 150	-0.0118	+/-0.10	
MW03RB-GW031225 (O25C0550-02)			*Lab File ID: PFAS2_250318A_026.d*		*Analyzed: 03/18/25 22:37*				
13C3-PFBA	122760	3.062767	151194.9	3.074767	81	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	140433.5	4.9019	168748.2	4.890067	83	30 - 150	0.0118	+/-0.10	
13C4-PFOA	14494.76	5.83505	17519.52	5.83505	83	30 - 150	0.0000	+/-0.10	
13C5-PFNA	68309.7	6.225533	82515.44	6.225533	83	30 - 150	0.0000	+/-0.10	
13C2-PFDA	60408.33	6.615083	70497.77	6.615083	86	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	27170.52	5.966967	32640.7	5.966967	83	30 - 150	0.0000	+/-0.10	
13C4-PFOS	24300.53	6.771217	26471.69	6.782967	92	30 - 150	-0.0118	+/-0.10	
MW03RC-GW031225 (O25C0550-03)			*Lab File ID: PFAS2_250318A_027.d*		*Analyzed: 03/18/25 22:53*				
13C3-PFBA	131102	3.062767	151194.9	3.074767	87	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	146539.1	4.890067	168748.2	4.890067	87	30 - 150	0.0000	+/-0.10	
13C4-PFOA	16233.09	5.823216	17519.52	5.83505	93	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	76978.11	6.21375	82515.44	6.225533	93	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	65470.59	6.6033	70497.77	6.615083	93	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	28843.26	5.95515	32640.7	5.966967	88	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	24626.91	6.771217	26471.69	6.782967	93	30 - 150	-0.0118	+/-0.10	
MW05R-GW031125 (O25C0550-04)			*Lab File ID: PFAS2_250318A_028.d*		*Analyzed: 03/18/25 23:10*				
13C3-PFBA	132161	3.062767	151194.9	3.074767	87	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	148448.3	4.890067	168748.2	4.890067	88	30 - 150	0.0000	+/-0.10	
13C4-PFOA	15697.74	5.823216	17519.52	5.83505	90	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	73509.34	6.21375	82515.44	6.225533	89	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	66846.73	6.6033	70497.77	6.615083	95	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	29902.12	5.95515	32640.7	5.966967	92	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	24263.82	6.771217	26471.69	6.782967	92	30 - 150	-0.0118	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW29A-GW031125 (O25C0550-05)			*Lab File ID: PFAS2_250318A_029.d*		*Analyzed: 03/18/25 23:26*				
13C3-PFBA	119554.2	3.062767	151194.9	3.074767	79	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	135861.3	4.890067	168748.2	4.890067	81	30 - 150	0.0000	+/-0.10	
13C4-PFOA	14917.79	5.823216	17519.52	5.83505	85	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	75519.81	6.225533	82515.44	6.225533	92	30 - 150	0.0000	+/-0.10	
13C2-PFDA	62776.39	6.6033	70497.77	6.615083	89	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	25057.87	5.95515	32640.7	5.966967	77	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	23196.94	6.771217	26471.69	6.782967	88	30 - 150	-0.0118	+/-0.10	
FD01-GW031225 (O25C0550-06)			*Lab File ID: PFAS2_250318A_030.d*		*Analyzed: 03/18/25 23:42*				
13C3-PFBA	124619.1	3.062767	151194.9	3.074767	82	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	139702.6	4.890067	168748.2	4.890067	83	30 - 150	0.0000	+/-0.10	
13C4-PFOA	14695.22	5.823216	17519.52	5.83505	84	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	68504.13	6.225533	82515.44	6.225533	83	30 - 150	0.0000	+/-0.10	
13C2-PFDA	64287.67	6.6033	70497.77	6.615083	91	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	27554.29	5.95515	32640.7	5.966967	84	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	22996.66	6.771217	26471.69	6.782967	87	30 - 150	-0.0118	+/-0.10	
MW29B-GW031125 (O25C0550-07)			*Lab File ID: PFAS2_250318A_031.d*		*Analyzed: 03/18/25 23:58*				
13C3-PFBA	112213.2	3.062767	151194.9	3.074767	74	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	124864	4.890067	168748.2	4.890067	74	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13083.24	5.823216	17519.52	5.83505	75	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	64852.83	6.21375	82515.44	6.225533	79	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	56763.65	6.591516	70497.77	6.615083	81	30 - 150	-0.0236	+/-0.10	
18O2-PFHxS	23989.29	5.95515	32640.7	5.966967	73	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	20930.42	6.759467	26471.69	6.782967	79	30 - 150	-0.0235	+/-0.10	
MW29C-GW031125 (O25C0550-08)			*Lab File ID: PFAS2_250318A_032.d*		*Analyzed: 03/19/25 00:15*				
13C3-PFBA	118812.1	3.062767	151194.9	3.074767	79	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	133679	4.890067	168748.2	4.890067	79	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13945.47	5.823216	17519.52	5.83505	80	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	68054.51	6.225533	82515.44	6.225533	82	30 - 150	0.0000	+/-0.10	
13C2-PFDA	62330.75	6.6033	70497.77	6.615083	88	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	25559.89	5.95515	32640.7	5.966967	78	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	21973.3	6.771217	26471.69	6.782967	83	30 - 150	-0.0118	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0550
Project: Salt Lake City VA PFAS

Sequence: S25C0702 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW30RA-GW031125 (O25C0550-09)			*Lab File ID: PFAS2_250318A_033.d*		*Analyzed: 03/19/25 00:31*				
13C3-PFBA	128682.6	3.074767	151194.9	3.074767	85	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	144563.2	4.9019	168748.2	4.890067	86	30 - 150	0.0118	+/-0.10	
13C4-PFOA	15270.25	5.83505	17519.52	5.83505	87	30 - 150	0.0000	+/-0.10	
13C5-PFNA	71740.2	6.225533	82515.44	6.225533	87	30 - 150	0.0000	+/-0.10	
13C2-PFDA	64641.99	6.6033	70497.77	6.615083	92	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	27214.09	5.966967	32640.7	5.966967	83	30 - 150	0.0000	+/-0.10	
13C4-PFOS	22505.55	6.771217	26471.69	6.782967	85	30 - 150	-0.0118	+/-0.10	
MW30RB-GW031125 (O25C0550-10)			*Lab File ID: PFAS2_250318A_034.d*		*Analyzed: 03/19/25 00:47*				
13C3-PFBA	116474.8	3.062767	151194.9	3.074767	77	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	133719.5	4.890067	168748.2	4.890067	79	30 - 150	0.0000	+/-0.10	
13C4-PFOA	13806.35	5.823216	17519.52	5.83505	79	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	66057.52	6.21375	82515.44	6.225533	80	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	63184.8	6.6033	70497.77	6.615083	90	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	25159.51	5.95515	32640.7	5.966967	77	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	21946.13	6.759467	26471.69	6.782967	83	30 - 150	-0.0235	+/-0.10	
CCV (S25C0702-CCV3)			*Lab File ID: PFAS2_250318A_035.d*		*Analyzed: 03/19/25 01:03*				
13C3-PFBA	132668.5	3.086767	151194.9	3.074767	88	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	160800.3	4.9019	168748.2	4.890067	95	30 - 150	0.0118	+/-0.10	
13C4-PFOA	16760.62	5.823216	17519.52	5.83505	96	30 - 150	-0.0118	+/-0.10	
13C5-PFNA	74406.98	6.225533	82515.44	6.225533	90	30 - 150	0.0000	+/-0.10	
13C2-PFDA	74236.27	6.6033	70497.77	6.615083	105	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	28411.66	5.966967	32640.7	5.966967	87	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25420.15	6.771217	26471.69	6.782967	96	30 - 150	-0.0118	+/-0.10	
CCB (S25C0702-CCB3)			*Lab File ID: PFAS2_250318A_036.d*		*Analyzed: 03/19/25 01:19*				
13C3-PFBA	127544.9	3.050767	132668.5	3.086767	96	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	141458.4	4.890067	160800.3	4.9019	88	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	14649.49	5.823216	16760.62	5.823216	87	30 - 150	0.0000	+/-0.10	
13C5-PFNA	73550.26	6.21375	74406.98	6.225533	99	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	66706.37	6.6033	74236.27	6.6033	90	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	27322.1	5.95515	28411.66	5.966967	96	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	23772.89	6.759467	25420.15	6.771217	94	30 - 150	-0.0118	+/-0.10	

* Values outside of QC limits

PREPARATION BENCH SHEET
LC-MS-MS

B25C0783

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25C0783-BLK1	1633 PFAS	3/14/25 11:13	500.00	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C0783-BS1	1633 PFAS	3/14/25 11:13	500.00	5.00		24110390	13	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C0783-BS2	1633 PFAS	3/14/25 11:13	500.00	5.00		24110390	125	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C0783-MS1	1633 PFAS	3/14/25 11:13	512.33	5.00	O25C0550-10	24110390	50	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C0783-MSD1	1633 PFAS	3/14/25 11:13	512.98	5.00	O25C0550-10	24110390	50	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0299-01	1633 PFAS	3/14/25 11:13	464.60	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-01	1633 PFAS	3/14/25 11:13	491.95	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-02	1633 PFAS	3/14/25 11:13	492.32	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-03	1633 PFAS	3/14/25 11:13	512.23	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-04	1633 PFAS	3/14/25 11:13	524.14	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-05	1633 PFAS	3/14/25 11:13	514.88	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-06	1633 PFAS	3/14/25 11:13	512.90	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

PREPARATION BENCH SHEET
LC-MS-MS

B25C0783

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0550-07	1633 PFAS	3/14/25 11:13	517.17	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-08	1633 PFAS	3/14/25 11:13	510.90	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-09	1633 PFAS	3/14/25 11:13	519.00	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0550-10	1633 PFAS	3/14/25 11:13	520.59	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

Batch Comments:

PREPARATION BENCH SHEET
LC-MS-MS

B25C0783

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments

Spiking Solution(s)
24110390 1633 ICV/LCS 200ppb

Reagents / Equipment

Standard	Description	LotNum
2030281	Captiva Econofilter, PP 25mm 0.2um	281048011
2090746	Acetic Acid, Glacial	0000281454
23120417	Transfer Pipet 1.5 mL	10072023
24051279	Water From Type I DI System	NA
24070607	pH Test Paper 5.5 - 8	234623
24080587	15mL Centrifuge Tube	15C3G1198B
24080850	Oasis WAX 200mg 60um/GCB 50mg [WATER]	KIT034116A
24110399	Formic Acid	STBL4128
24110696	15mL Centrifuge Tube	15C3I1099B
24120430	5 mL Norm-Ject Syringe	22K12C8
24120530	Methanolic 1:1	Refer Stock
24120570	0.3M Formic Acid	Refer Stock
25010049	3% Ammonium Hydroxide	NA
25020123	1% Methanolic Ammonium Hydroxide	NA

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0643	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard (STD # 25010541)	S25C0643-CAL1	PFAS2_250318A_003.d	03/18/25 16:19
Cal Standard (STD # 24110473)	S25C0643-CAL1	PFAS2_250318A_003.d	03/18/25 16:19
Cal Standard (STD # 24110475)	S25C0643-CAL2	PFAS2_250318A_004.d	03/18/25 16:35
Cal Standard (STD # 25010541)	S25C0643-CAL2	PFAS2_250318A_004.d	03/18/25 16:35
Cal Standard (STD # 24110476)	S25C0643-CAL3	PFAS2_250318A_005.d	03/18/25 16:51
Cal Standard (STD # 25010541)	S25C0643-CAL3	PFAS2_250318A_005.d	03/18/25 16:51
Cal Standard (STD # 24110477)	S25C0643-CAL4	PFAS2_250318A_006.d	03/18/25 17:07
Cal Standard (STD # 25010541)	S25C0643-CAL4	PFAS2_250318A_006.d	03/18/25 17:07
Cal Standard (STD # 25010541)	S25C0643-CAL5	PFAS2_250318A_007.d	03/18/25 17:24
Cal Standard (STD # 24110478)	S25C0643-CAL5	PFAS2_250318A_007.d	03/18/25 17:24
Cal Standard (STD # 25010541)	S25C0643-CAL6	PFAS2_250318A_008.d	03/18/25 17:40
Cal Standard (STD # 24110479)	S25C0643-CAL6	PFAS2_250318A_008.d	03/18/25 17:40
Cal Standard (STD # 24110480)	S25C0643-CAL7	PFAS2_250318A_009.d	03/18/25 17:56
Cal Standard (STD # 25010541)	S25C0643-CAL7	PFAS2_250318A_009.d	03/18/25 17:56
Cal Standard (STD # 24110481)	S25C0643-CAL8	PFAS2_250318A_010.d	03/18/25 18:12
Cal Standard (STD # 25010541)	S25C0643-CAL8	PFAS2_250318A_010.d	03/18/25 18:12
Cal Standard (STD # 24110482)	S25C0643-CAL9	PFAS2_250318A_011.d	03/18/25 18:29
Cal Standard (STD # 25010541)	S25C0643-CAL9	PFAS2_250318A_011.d	03/18/25 18:29
Cal Standard (STD # 24110483)	S25C0643-CAL10	PFAS2_250318A_012.d	03/18/25 18:45
Cal Standard (STD # 25010541)	S25C0643-CAL10	PFAS2_250318A_012.d	03/18/25 18:45
Initial Cal Check (STD # 25010541)	S25C0643-ICV1	PFAS2_250318A_013.d	03/18/25 19:01
Initial Cal Check (STD # 24110484)	S25C0643-ICV1	PFAS2_250318A_013.d	03/18/25 19:01

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0702	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check (STD # 25010541)	S25C0702-CCV1	PFAS2_250318A_016.d	03/18/25 19:15
Calibration Check (STD # 24110479)	S25C0702-CCV1	PFAS2_250318A_016.d	03/18/25 19:15
Calibration Blank (STD # 24051382)	S25C0702-CCB1	PFAS2_250318A_014.d	03/18/25 19:17
Calibration Blank (STD # 25010541)	S25C0702-CCB1	PFAS2_250318A_014.d	03/18/25 19:17
Low Cal Check (STD # 25010541)	S25C0702-LCV1	PFAS2_250318A_015.d	03/18/25 19:34
Low Cal Check (STD # 24110473)	S25C0702-LCV1	PFAS2_250318A_015.d	03/18/25 19:34
Calibration Check (STD # 25010541)	S25C0702-CCV2	PFAS2_250318A_016.d	03/18/25 19:50
Calibration Check (STD # 24110479)	S25C0702-CCV2	PFAS2_250318A_016.d	03/18/25 19:50
Interference Check B (STD # 24110455)	S25C0702-IFB1	PFAS2_250318A_017.d	03/18/25 20:06
Interference Check B (STD # 25010541)	S25C0702-IFB1	PFAS2_250318A_017.d	03/18/25 20:06
Interference Check A (STD # 25010541)	S25C0702-IFA1	PFAS2_250318A_018.d	03/18/25 20:22
Interference Check A (STD # 24110454)	S25C0702-IFA1	PFAS2_250318A_018.d	03/18/25 20:22
Calibration Blank (STD # 24051382)	S25C0702-CCB2	PFAS2_250318A_019.d	03/18/25 20:39
Calibration Blank (STD # 25010541)	S25C0702-CCB2	PFAS2_250318A_019.d	03/18/25 20:39
Blank (STD # 25010541)	B25C0783-BLK1	PFAS2_250318A_020.d	03/18/25 20:57
Blank (STD # 24110510)	B25C0783-BLK1	PFAS2_250318A_020.d	03/18/25 20:57
LCS (STD # 25010541)	B25C0783-BS1	PFAS2_250318A_021.d	03/18/25 21:14
LCS (STD # 24110510)	B25C0783-BS1	PFAS2_250318A_021.d	03/18/25 21:14
LCS (STD # 24110390)	B25C0783-BS1	PFAS2_250318A_021.d	03/18/25 21:14
LCS (STD # 25010541)	B25C0783-BS2	PFAS2_250318A_022.d	03/18/25 21:32
LCS (STD # 24110510)	B25C0783-BS2	PFAS2_250318A_022.d	03/18/25 21:32
LCS (STD # 24110390)	B25C0783-BS2	PFAS2_250318A_022.d	03/18/25 21:32
MW30RB-GW031125	B25C0783-MS1	PFAS2_250318A_023.d	03/18/25 21:49
MW30RB-GW031125	B25C0783-MS1	PFAS2_250318A_023.d	03/18/25 21:49
MW30RB-GW031125	B25C0783-MS1	PFAS2_250318A_023.d	03/18/25 21:49
MW30RB-GW031125	B25C0783-MSD1	PFAS2_250318A_024.d	03/18/25 22:05
MW30RB-GW031125	B25C0783-MSD1	PFAS2_250318A_024.d	03/18/25 22:05
MW30RB-GW031125	B25C0783-MSD1	PFAS2_250318A_024.d	03/18/25 22:05
MW03RA-GW031225	O25C0550-01	PFAS2_250318A_025.d	03/18/25 22:21
MW03RB-GW031225	O25C0550-02	PFAS2_250318A_026.d	03/18/25 22:37
MW03RC-GW031225	O25C0550-03	PFAS2_250318A_027.d	03/18/25 22:53
MW05R-GW031125	O25C0550-04	PFAS2_250318A_028.d	03/18/25 23:10

ANALYSIS SEQUENCE SUMMARY

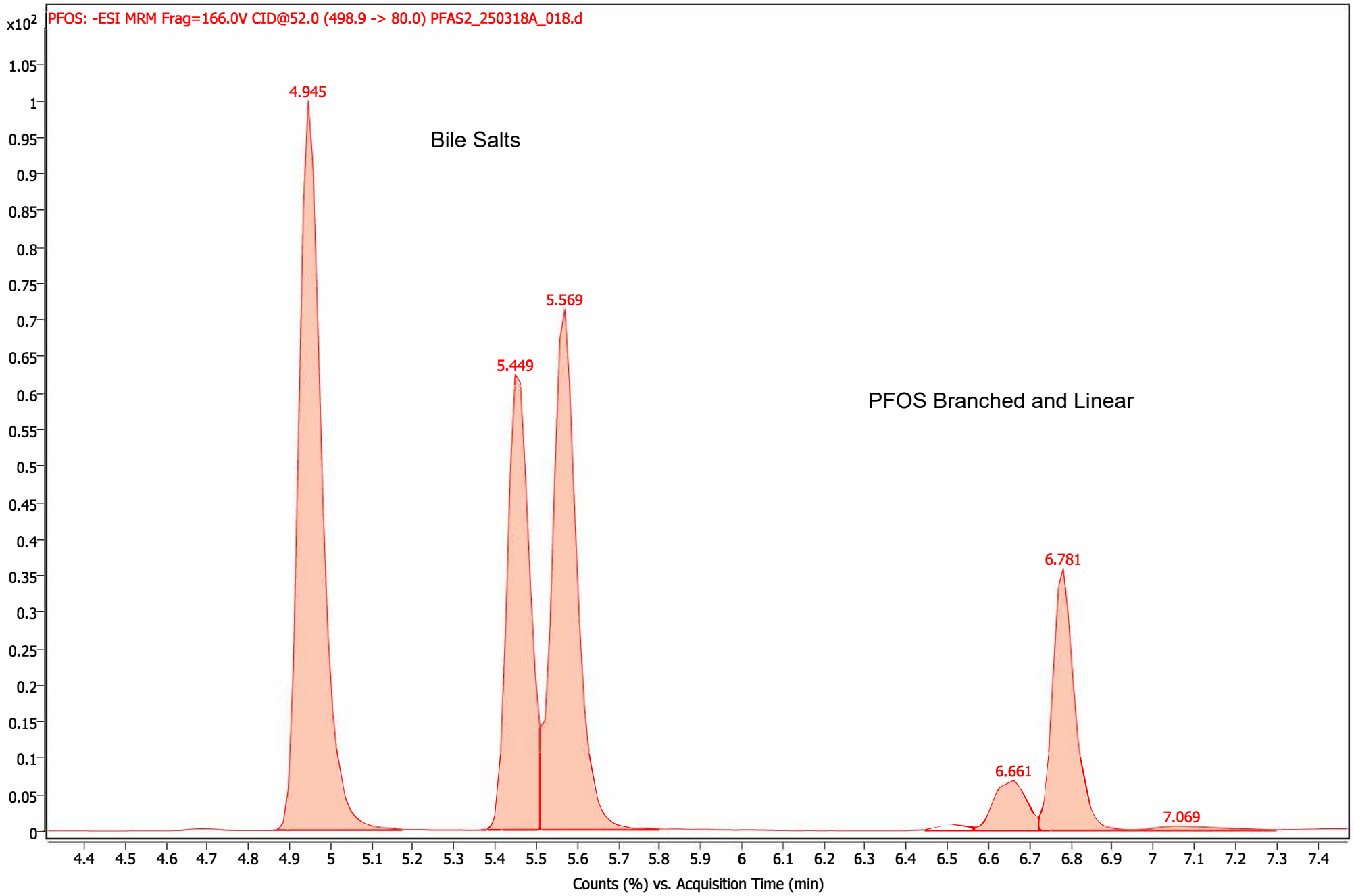
PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0702	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MW29A-GW031125	O25C0550-05	PFAS2_250318A_029.d	03/18/25 23:26
FD01-GW031225	O25C0550-06	PFAS2_250318A_030.d	03/18/25 23:42
MW29B-GW031125	O25C0550-07	PFAS2_250318A_031.d	03/18/25 23:58
MW29C-GW031125	O25C0550-08	PFAS2_250318A_032.d	03/19/25 00:15
MW30RA-GW031125	O25C0550-09	PFAS2_250318A_033.d	03/19/25 00:31
MW30RB-GW031125	O25C0550-10	PFAS2_250318A_034.d	03/19/25 00:47
Calibration Check (STD # 24110479)	S25C0702-CCV3	PFAS2_250318A_035.d	03/19/25 01:03
Calibration Check (STD # 25010541)	S25C0702-CCV3	PFAS2_250318A_035.d	03/19/25 01:03
Calibration Blank (STD # 25010541)	S25C0702-CCB3	PFAS2_250318A_036.d	03/19/25 01:19
Calibration Blank (STD # 24051382)	S25C0702-CCB3	PFAS2_250318A_036.d	03/19/25 01:19

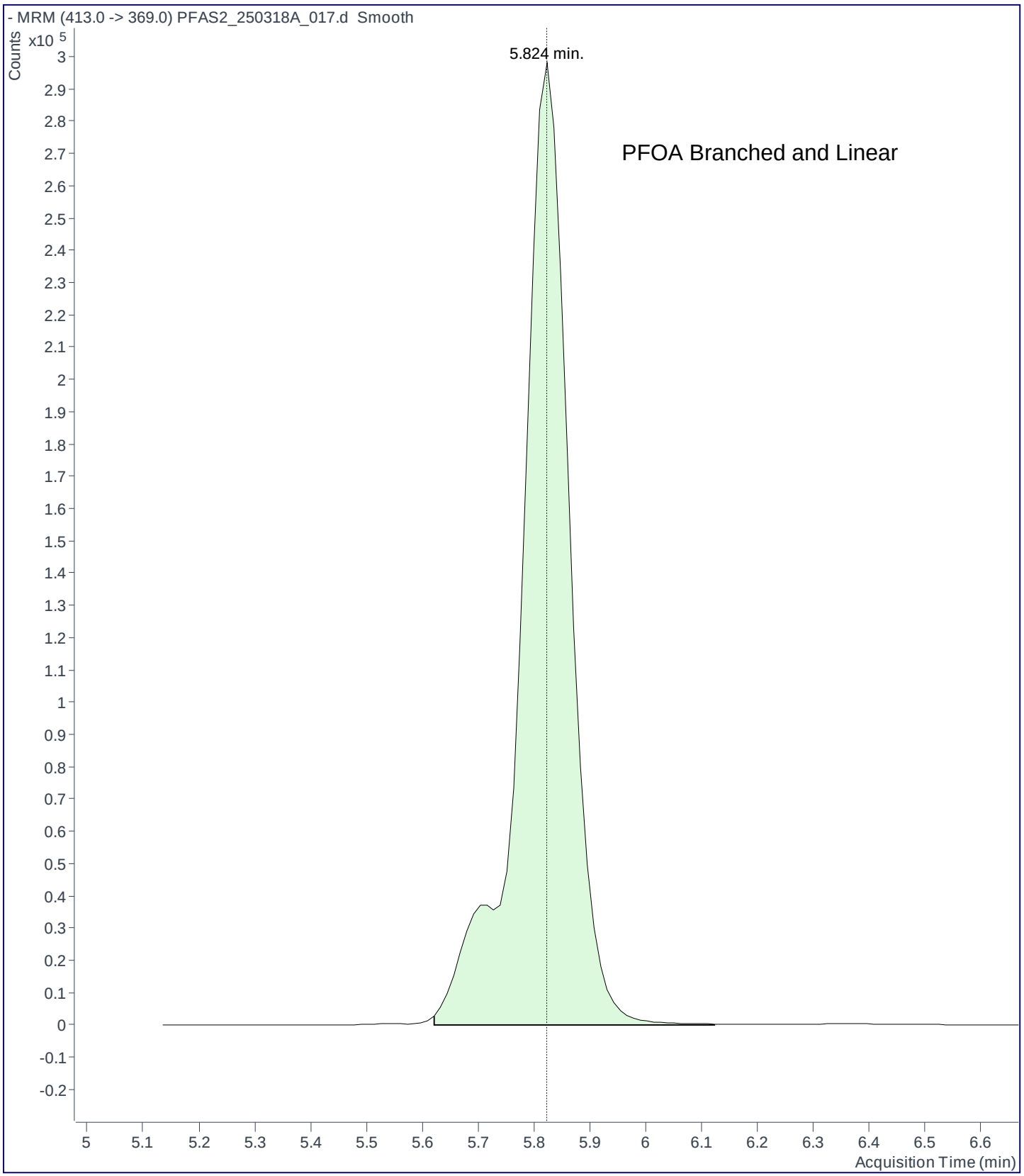
Bile Salts Interference Check



Compound Information Window

Agilent Technologies

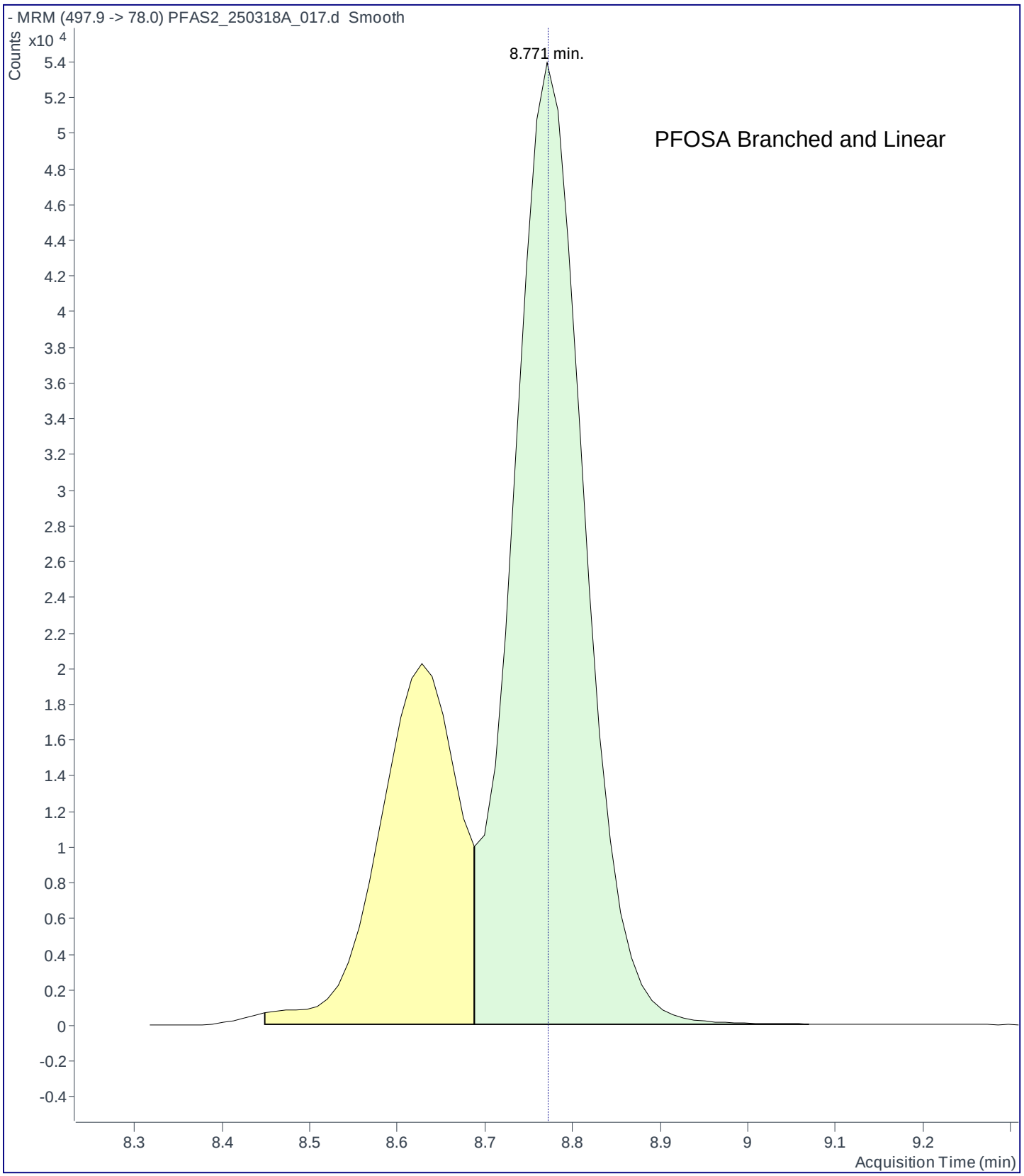
Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2

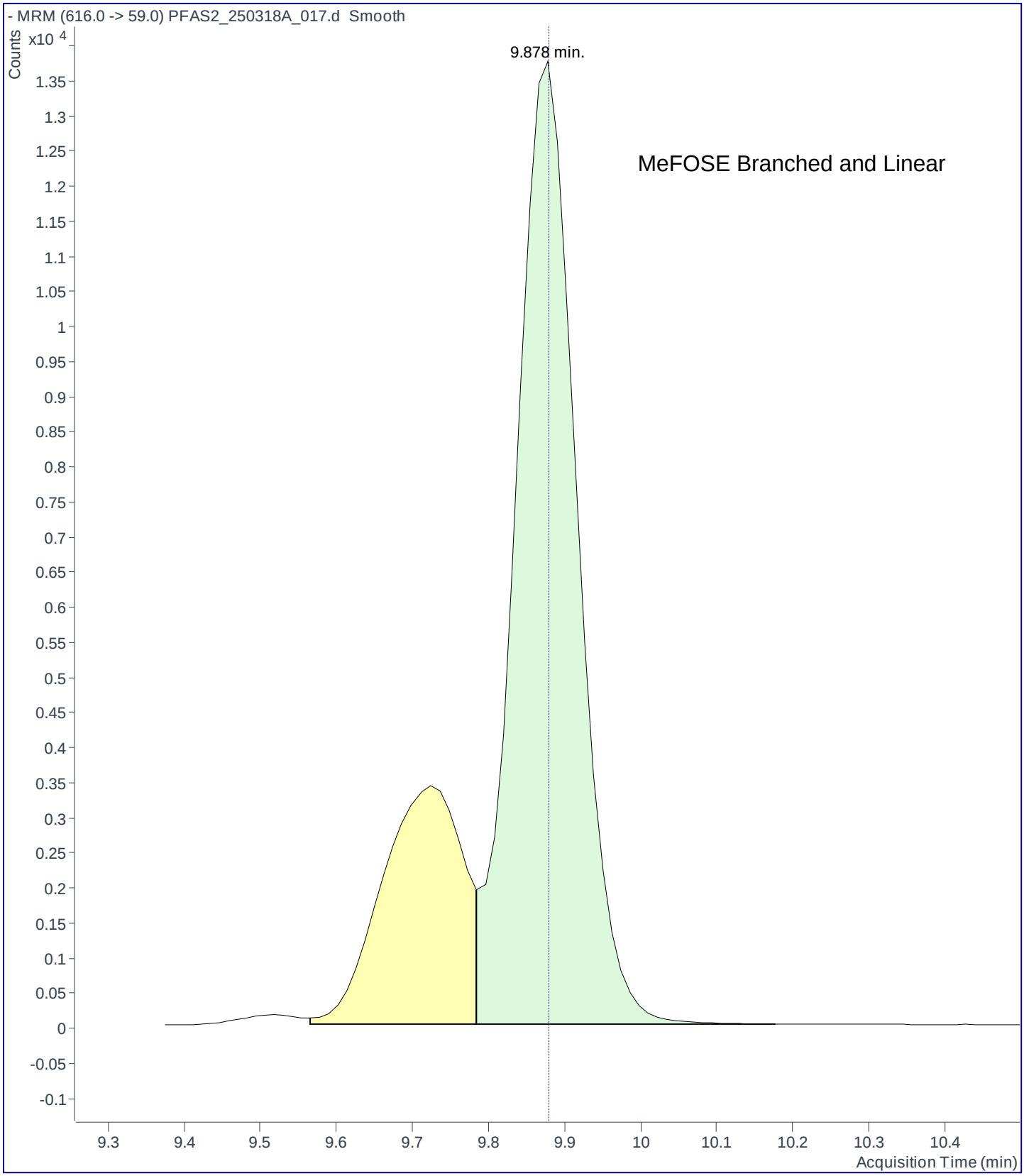


Generated at 2:34 PM on 3/21/2025

Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2

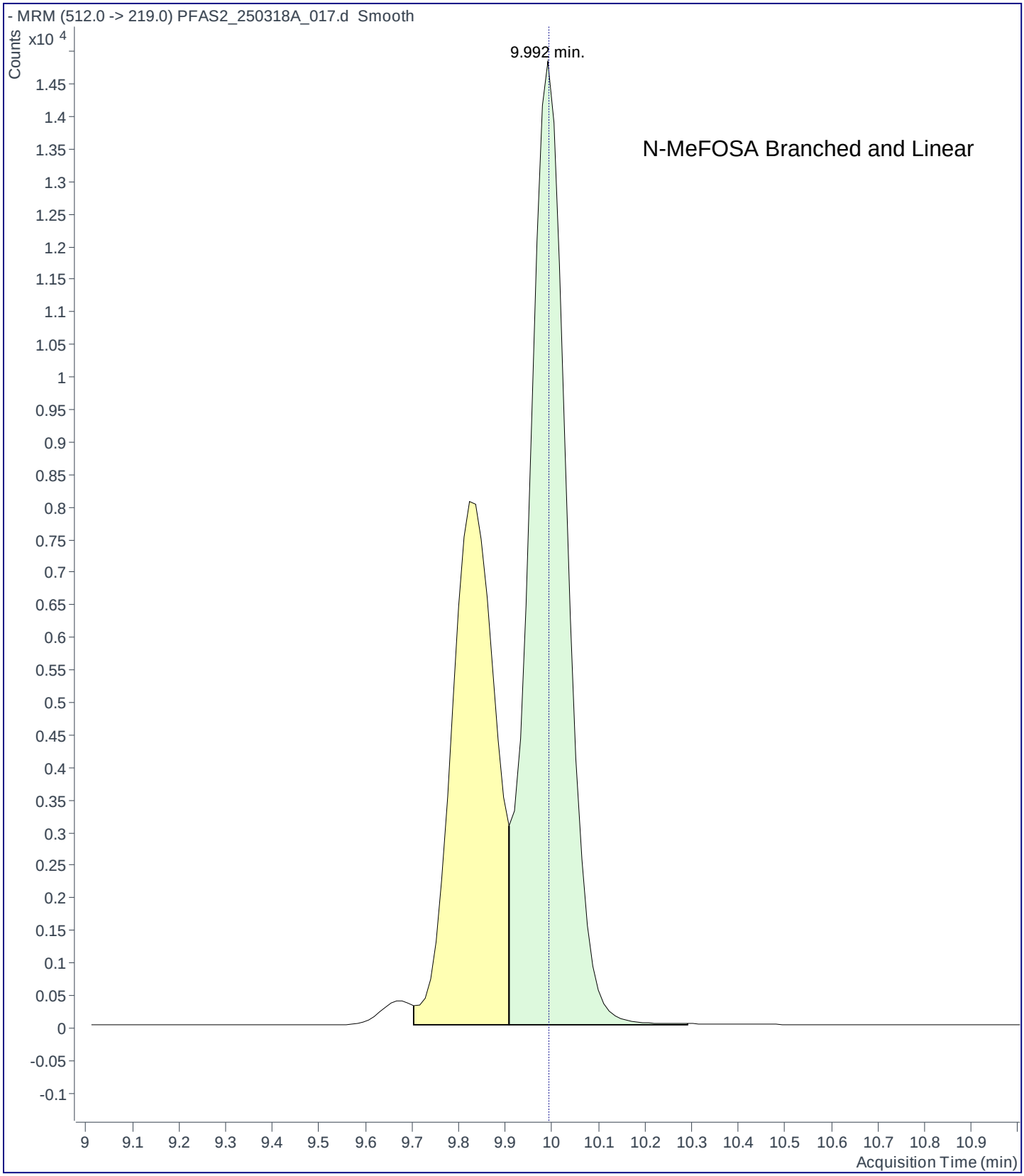


Generated at 2:35 PM on 3/21/2025

Compound Information Window

Agilent Technologies

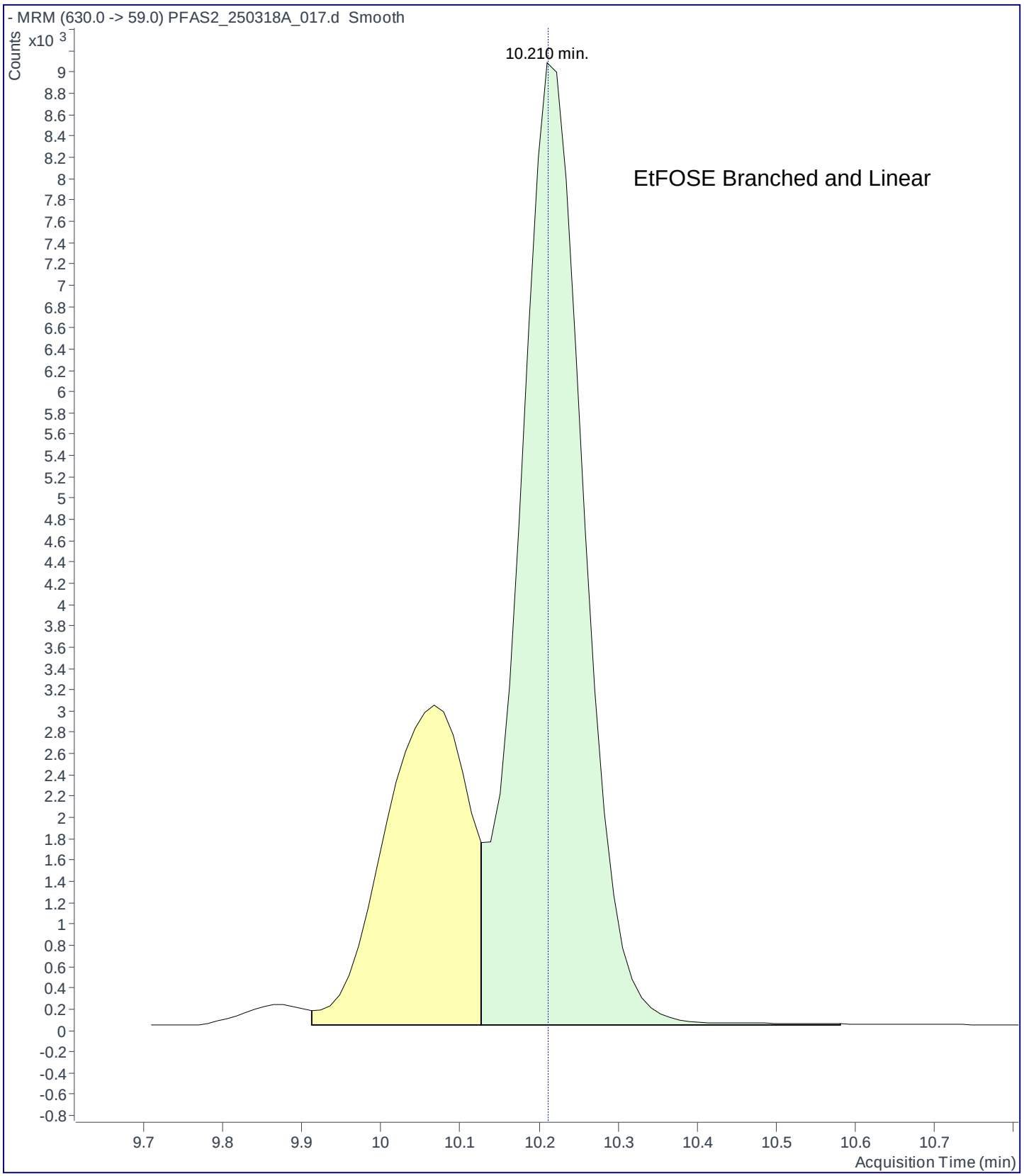
Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

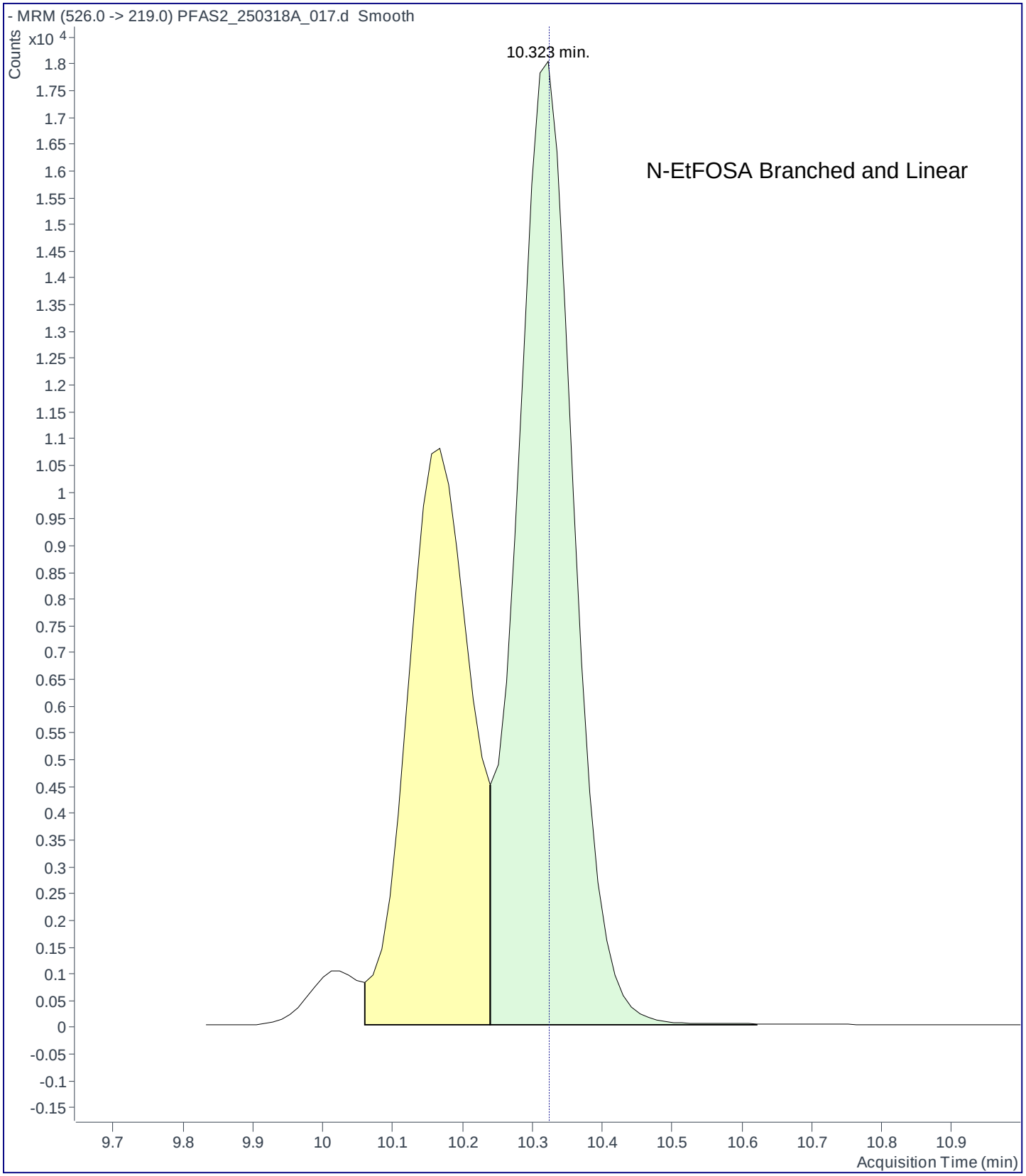
Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Generated at 2:35 PM on 3/21/2025

Manual Integration and Raw Data Qualifiers and Definitions

H	Only half of the peak was integrated. A manual integration was performed to include the whole peak.
I	The peak was mis-identified. A manual integration was performed to pick the correct peak.
N	The peak was not integrated. A manual integration was performed to integrate the correct peak.
T	The peak was integrated with excessive tailing. A manual integration was performed to eliminate the excessive tailing.
C	The peak was cut off too soon. A manual integration was performed to include the rest of the peak.
B	The baseline was drawn incorrectly. A manual integration was performed to correct the baseline.
M	Two or more peaks were merged. A manual integration was performed to separate the peaks
d	The peak was deleted because it was mis-identified.

Analysis Class: Wet Chemistry

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW03RA-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-01	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 14:10	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW03RB-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-02	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 11:15	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW03RC-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-03	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 13:54	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW05R-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-04	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 11:34	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW29A-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-05	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 17:14	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

FD01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-06	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 10:00	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW29B-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-07	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 14:51	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW29C-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-08	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 17:45	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW30RA-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-09	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 15:42	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW30RB-GW031125

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0550-10	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/11/25 17:05	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-BLK1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	0.2
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		0.400	0.800	10.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-BS1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	988	2.00	4.00	10.0	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	2
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	2,340	4.00	8.00	10.0	P

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25C0550
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP2	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	9.00	2.00	4.00	10.0	

DUPLICATES

Lagoon Water

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP1
Batch:	B25C0901	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	1,660	ND P		*	10

* Values outside of QC limits

DUPLICATES

MW30RB-GW031125

Laboratory:	Sterling Labs	SDG:	O25C0550
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP2
Batch:	B25C0901	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	ND	ND			10

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SM2540D 2011

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	No Prep 2540
Prep Batch:	B25C0901	Lab Sample ID:	B25C0901-BS1

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Suspended Solids (Residue, Non-filterable)	1,020	988	97	85 - 115

* Values outside of QC limits

`B25C0901~

TSS/VSS Analysis Worksheet

Standard Methods 2540 D-2011
Total Suspended Solids Dried at 103-105°C

$$TSS = \frac{(\text{Dry Pan} + \text{Filter} + \text{Sample}) - (\text{Pan} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Standard Methods 2540 E-2011
Fixed and Volatile Solids Ignited at 550° C

$$VSS = \frac{(\text{Ash Pan} + \text{Fiter} + \text{Sample}) - (\text{Dry Pan} + \text{sample} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Batch ID: B25C0901

Instrument: Balance 5

Acceptance limit : +/-0.1%

INITIAL Balance #	INITIAL Beginning check: 20.0000g =	INITIAL Beginning check: : 2.0000g=	INITIAL End Verification: 20.0000g=	INITIAL End Verification 2.0000g=	Final TSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=
5	19.9996	1.9999	19.9994	1.9998	5	19.9991	1.9996	19.9991	1.9994

Final VSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=	TSS Oven	VSS Furnace
					1	

Date/Time IN:	Date/Time IN:
3/17/2025 18:30	

Date/Time OUT	Date/Time OUT
3/18/2025 6:00	

Default Vol ml: 100

Analyst: OA1

*BLK and BS use Tare wt and not Dry Pan for VSS

Pan #	SampID	Client ID Source ID	Initial Volume	Pan + Filter Tare Wt. (gms)	Dry Pan + Filter + Sample Weight (g)	Ash Pan + Filter + Sample Weight (g)	units mg/L	TSS	VSS	Dilution	Comments
ABC	B25C0901-BLK1	Blank	500	6.9127	6.9117		mg/L	-2.0000		0.200	
TIS	B25C0901-BS1	LCS	100	6.8055	6.9043		mg/L	988.0000		1.000	
MOP	O25C0114-01	Treated Water	100	6.8856	6.8859		mg/L	3.0000		1.000	
RAM	O25C0114-02	Lagoon Water	50	6.8019	6.8848		mg/L	1658.0000		2.000	
LOL	B25C0901-DUP1	Duplicate O25C0114-02	50	6.8050	6.9221		mg/L	2342.0000		2.000	
ORG	O25C0114-03	Raw Water	50	6.8167	6.9006		mg/L	1678.0000		2.000	
CAB	O25C0522-01	MONDI-EOP EVC	100	6.8084	6.8180		mg/L	96.0000		1.000	
O7A	O25C0535-01	2A FPC	100	6.7772	6.7974		mg/L	202.0000		1.000	
DIL	O25C0550-01	MW03RA-GW031225	100	6.8801	6.8807		mg/L	6.0000		1.000	
MAR	O25C0550-02	MW03RB-GW031225	100	6.8201	6.8202		mg/L	1.0000		1.000	
IVA	O25C0550-03	MW03RC-GW031225	100	6.7949	6.7947		mg/L	-2.0000		1.000	
156	O25C0550-04	MW05R-GW031125	100	6.8955	6.8955		mg/L	0.0000		1.000	
AGE	O25C0550-05	MW29A-GW031125	100	6.7849	6.7849		mg/L	0.0000		1.000	
K06	O25C0550-06	FD01-GW031225	100	6.9026	6.9025		mg/L	-1.0000		1.000	
ING	O25C0550-07	MW29B-GW031125	100	6.8395	6.8398		mg/L	3.0000		1.000	
ZZA	O25C0550-08	MW29C-GW031125	100	6.8688	6.8683		mg/L	-5.0000		1.000	
374	O25C0550-09	MW30RA-GW031125	100	6.7874	6.7878		mg/L	4.0000		1.000	
551	O25C0550-10	MW30RB-GW031125	100	6.8807	6.8805		mg/L	-2.0000		1.000	
ROC	B25C0901-DUP2	Duplicate O25C0550-10	100	6.8830	6.8839		mg/L	9.0000		1.000	
INE	O25C0558-01	1A EVC	50	6.8825	6.9042		mg/L	434.0000		2.000	
EHJ	O25C0608-01	MW03RD-GW031225	100	6.7639	6.7641		mg/L	2.0000		1.000	
ESS	O25C0608-02	MW24-GW031325	100	6.8107	6.8115		mg/L	8.0000		1.000	
COM	O25C0608-03	FD02-GW031325	100	6.8191	6.8189		mg/L	-2.0000		1.000	
VOL	O25C0608-04	MW30C-GW031225	100	6.8384	6.8386		mg/L	2.0000		1.000	

= VSS is greater than TSS, all TSS is VSS

`B25C0901~

TSS/VSS Analysis Worksheet

Standard Methods 2540 D-2011
Total Suspended Solids Dried at 103-105°C

$$TSS = \frac{(\text{Dry Pan} + \text{Filter} + \text{Sample}) - (\text{Pan} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Standard Methods 2540 E-2011
Fixed and Volatile Solids Ignited at 550° C

$$VSS = \frac{(\text{Ash Pan} + \text{Fiter} + \text{Sample}) - (\text{Dry Pan} + \text{sample} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Batch ID: B25C0901

Instrument: Balance 5

Acceptance limit : +/-0.1%

INITIAL Balance #	INITIAL Beginning check: 20.0000g =	INITIAL Beginning check: : 2.0000g=	INITIAL End Verification: 20.0000g=	INITIAL End Verification 2.0000g=	Final TSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=
5	19.9996	1.9999	19.9994	1.9998	5	19.9991	1.9996	19.9991	1.9994

Final VSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=	TSS Oven	VSS Furnace
5	19.9991	1.9996	19.9992	1.9998	1	1
					Date/Time IN:	Date/Time IN:
					3/17/2025 18:30	3/18/2025 10:10
					Date/Time OUT	Date/Time OUT
					3/18/2025 6:00	3/18/2025 14:10

Default Vol ml: 100

Analyst: OA1

*BLK and BS use Tare wt and not Dry Pan for VSS

Pan #	SampID	Client ID Source ID	Initial Volume	Pan + Filter Tare Wt. (gms)	Dry Pan + Filter + Sample Weight (g)	Ash Pan + Filter + Sample Weight (g)	units mg/L	TSS	VSS	Dilution	Comments
ABC	B25C0901-BLK1	Blank	500	6.9127	6.9117	6.9102	mg/L	-2.0000	5.0000	0.200	
TIS	B25C0901-BS1	LCS	100	6.8055	6.9043	6.9040	mg/L	988.0000	985.0000	1.000	
MOP	O25C0114-01	Treated Water	100	6.8856	6.8859		mg/L	3.0000		1.000	
RAM	O25C0114-02	Lagoon Water	50	6.8019	6.8848	6.8067	mg/L	1658.0000	1562.0000	2.000	
LOL	B25C0901-DUP1	Duplicate O25C0114-02	50	6.8050	6.9221	6.8105	mg/L	2342.0000	2232.0000	2.000	
ORG	O25C0114-03	Raw Water	50	6.8167	6.9006	6.8183	mg/L	1678.0000	1646.0000	2.000	
CAB	O25C0522-01	MONDI-EOP EVC	100	6.8084	6.8180		mg/L	96.0000		1.000	
O7A	O25C0535-01	2A FPC	100	6.7772	6.7974		mg/L	202.0000		1.000	
DIL	O25C0550-01	MW03RA-GW031225	100	6.8801	6.8807		mg/L	6.0000		1.000	
MAR	O25C0550-02	MW03RB-GW031225	100	6.8201	6.8202		mg/L	1.0000		1.000	
IVA	O25C0550-03	MW03RC-GW031225	100	6.7949	6.7947		mg/L	-2.0000		1.000	
156	O25C0550-04	MW05R-GW031125	100	6.8955	6.8955		mg/L	0.0000		1.000	
AGE	O25C0550-05	MW29A-GW031125	100	6.7849	6.7849		mg/L	0.0000		1.000	
K06	O25C0550-06	FD01-GW031225	100	6.9026	6.9025		mg/L	-1.0000		1.000	
ING	O25C0550-07	MW29B-GW031125	100	6.8395	6.8398		mg/L	3.0000		1.000	
ZZA	O25C0550-08	MW29C-GW031125	100	6.8688	6.8683		mg/L	-5.0000		1.000	
374	O25C0550-09	MW30RA-GW031125	100	6.7874	6.7878		mg/L	4.0000		1.000	
551	O25C0550-10	MW30RB-GW031125	100	6.8807	6.8805		mg/L	-2.0000		1.000	
ROC	B25C0901-DUP2	Duplicate O25C0550-10	100	6.8830	6.8839		mg/L	9.0000		1.000	
INE	O25C0558-01	1A EVC	50	6.8825	6.9042		mg/L	434.0000		2.000	
EHJ	O25C0608-01	MW03RD-GW031225	100	6.7639	6.7641		mg/L	2.0000		1.000	
ESS	O25C0608-02	MW24-GW031325	100	6.8107	6.8115		mg/L	8.0000		1.000	
COM	O25C0608-03	FD02-GW031325	100	6.8191	6.8189		mg/L	-2.0000		1.000	
VOL	O25C0608-04	MW30C-GW031225	100	6.8384	6.8386		mg/L	2.0000		1.000	

= VSS is greater than TSS, all TSS is VSS

PREPARATION BENCH SHEET
WC

B25C0901

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25C0901-BLK1	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-BS1	2540D TSS	3/17/25 17:25	100.00	100.00		25030402	100000			
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-DUP1	160.4 VSS	3/17/25 17:25	100.00	100.00	O25C0114-02					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-DUP2	2540D TSS	3/17/25 17:25	100.00	100.00	O25C0550-10					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-02	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-03	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0522-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0535-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

PREPARATION BENCH SHEET
WC

B25C0901

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0550-02	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-03	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-04	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-05	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-06	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-07	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-08	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-09	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-10	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0558-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

PREPARATION BENCH SHEET
WC

B25C0901

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0608-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-02	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-03	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-04	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

Batch Comments:

Spiking Solution(s)

25030402	Solids working LCS_TSS

Reagents / Equipment

Standard	Description	LotNum
23100251	TSS Filters	17909304

sterling labs - O'Hare Location

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Analytical Report

Cherie Zakowski
CDM Federal Programs Corporation
10560 Arrowhead Drive, Suite 500
Fairfax, VA 22030

March 31, 2025

Work Order: O25C0608

RE: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Dear Cherie Zakowski:

Enclosed are the analytical reports for the Sterling Labs Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Olga Karplyuk
Project Manager
okarplyuk@TheSterlingLab.com
Approved: 3/31/2025 5:24:09PM

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable..

Department of Defense, Accredited by PJLA, Cert No. 75537

PJLA Testing DoD ELAP Accreditation No. 75537

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Sample Summary

Sample ID	Laboratory	Laboratory ID	Matrix	Date Sampled	Date Received
MW03RD-GW031225	Sterling Labs	O25C0608-01	Groundwater	03/12/25 17:25	03/14/25 09:37
MW24-GW031325	Sterling Labs	O25C0608-02	Groundwater	03/13/25 10:17	03/14/25 09:37
FD02-GW031325	Sterling Labs	O25C0608-03	Groundwater	03/13/25 09:30	03/14/25 09:37
MW30C-GW031225	Sterling Labs	O25C0608-04	Groundwater	03/12/25 13:50	03/14/25 09:37
FB01-GW031225	Sterling Labs	O25C0608-05	Water	03/12/25 17:40	03/14/25 09:37
EB01-GW031225	Sterling Labs	O25C0608-06	Water	03/12/25 17:15	03/14/25 09:37

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Case Narrative

Work Order: O25C0608
The samples were received on 3/14/2025 9:37:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
2025-54	3.4

The samples were received in good condition and were properly preserved.

Organics LC-MS-MS

1633_PFAS
Sequence CCV1 is only a place holder for the averaged NIS responses from the calibration to correct data in LIMS to have the proper internal reference (duplicate of CCV2). Current LIMS configuration only targets one selected calibration standard or opening CCV, so this is needed to have correct recoveries in LIMS based on averaged responses. The instrument reports are correct and recoveries are based on averages of calibration.

ISTD summary form for ICV reference responses listed are based on the LIMS target of the mid-point calibration standard. Responses for the analytical sequences corrected for averaged response factors and are in second summary report (CCV1 place holder correction). ICV responses are verified to be within acceptance limits for the method. The ISTD form results for the IFA and IFB are not applicable-qualitative checks only (if included and show qualifiers).

O25C0608-01 and 04 had one or more extracted isotopes recover outside the acceptance limits and the affected target compounds are "Q" qualified. All non-extracted isotopes for the sample recoveries are acceptable. As all other batch and sequence QC is acceptable, this is most likely due to the spiked sample matrices.

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Client Sample Results

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: MW03RD-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:25
Matrix: Groundwater
Lab ID: O25C0608-01

Sterling Labs

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.06	6.11	U	ng/L	0.46	3.06	03/25/25 17:42	B25C1367	CP1	1
PFPeA	< 1.53	3.06	U	ng/L	0.13	1.53	03/25/25 17:42	B25C1367	CP1	1
PFHxA	**0.62**	1.53	J	ng/L	0.12	0.76	03/25/25 17:42	B25C1367	CP1	1
PFHpA	**0.68**	1.53	J	ng/L	0.15	0.76	03/25/25 17:42	B25C1367	CP1	1
PFOA	**0.43**	1.53	J	ng/L	0.11	0.76	03/25/25 17:42	B25C1367	CP1	1
PFNA	< 0.76	1.53	U	ng/L	0.09	0.76	03/25/25 17:42	B25C1367	CP1	1
PFDA	< 0.76	1.53	U	ng/L	0.12	0.76	03/25/25 17:42	B25C1367	CP1	1
PFUnA	< 0.76	1.53	U	ng/L	0.18	0.76	03/25/25 17:42	B25C1367	CP1	1
PFDoA	< 0.76	1.53	U	ng/L	0.11	0.76	03/25/25 17:42	B25C1367	CP1	1
PFTrDA	< 0.76	1.53	U	ng/L	0.07	0.76	03/25/25 17:42	B25C1367	CP1	1
PFTeDA	< 0.76	1.53	U	ng/L	0.11	0.76	03/25/25 17:42	B25C1367	CP1	1
PFBS	< 0.68	1.36	U	ng/L	0.18	0.68	03/25/25 17:42	B25C1367	CP1	1
PFPeS	< 0.72	1.44	U	ng/L	0.20	0.72	03/25/25 17:42	B25C1367	CP1	1
PFHxS	< 0.70	1.39	U	ng/L	0.22	0.70	03/25/25 17:42	B25C1367	CP1	1
PFHpS	< 0.73	1.45	U	ng/L	0.39	0.73	03/25/25 17:42	B25C1367	CP1	1
PFOS	**0.60**	1.78	J	ng/L	0.21	0.89	03/25/25 17:42	B25C1367	CP1	1
PFNS	< 0.74	1.47	U	ng/L	0.19	0.74	03/25/25 17:42	B25C1367	CP1	1
PFDS	< 0.74	1.47	U	ng/L	0.13	0.74	03/25/25 17:42	B25C1367	CP1	1
PFDoS	< 0.74	1.48	U	ng/L	0.08	0.74	03/25/25 17:42	B25C1367	CP1	1
4:2FTS	< 2.86	5.73	U	ng/L	0.39	2.86	03/25/25 17:42	B25C1367	CP1	1
6:2FTS	< 2.90	5.81	U	ng/L	2.65	2.90	03/25/25 17:42	B25C1367	CP1	1
8:2FTS	< 2.93	5.86	U	ng/L	0.58	2.93	03/25/25 17:42	B25C1367	CP1	1
PFOSA	< 0.76	1.53	U	ng/L	0.10	0.76	03/25/25 17:42	B25C1367	CP1	1
NMeFOSA	< 0.76	1.53	U	ng/L	0.25	0.76	03/25/25 17:42	B25C1367	CP1	1
NEtFOSA	< 0.76	1.53	U	ng/L	0.30	0.76	03/25/25 17:42	B25C1367	CP1	1
NMeFOSAA	< 0.76	1.53	U	ng/L	0.42	0.76	03/25/25 17:42	B25C1367	CP1	1
NEtFOSAA	< 0.76	1.53	U, Q	ng/L	0.28	0.76	03/25/25 17:42	B25C1367	CP1	1
NMeFOSE	< 7.64	15.3	U	ng/L	0.96	7.64	03/25/25 17:42	B25C1367	CP1	1
NEtFOSE	< 7.64	15.3	U	ng/L	1.20	7.64	03/25/25 17:42	B25C1367	CP1	1
HFPO-DA	< 1.53	3.06	U	ng/L	0.39	1.53	03/25/25 17:42	B25C1367	CP1	1
ADONA	< 1.44	2.88	U	ng/L	0.14	1.44	03/25/25 17:42	B25C1367	CP1	1
9CL-PF3ONS	< 1.43	2.86	U	ng/L	0.17	1.43	03/25/25 17:42	B25C1367	CP1	1
11CL-PF3OUdS	< 1.44	2.88	U	ng/L	0.30	1.44	03/25/25 17:42	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: MW03RD-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:25
Matrix: Groundwater
Lab ID: O25C0608-01 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.06	6.11	U	ng/L	0.63	3.06	03/25/25 17:42	B25C1367	CP1	1
5:3FTCA	< 15.3	30.6	U	ng/L	3.49	15.3	03/25/25 17:42	B25C1367	CP1	1
7:3FTCA	< 15.3	30.6	U	ng/L	2.92	15.3	03/25/25 17:42	B25C1367	CP1	1
PFEESA	< 1.36	2.72	U	ng/L	0.16	1.36	03/25/25 17:42	B25C1367	CP1	1
PFMPA	< 1.53	3.06	U	ng/L	0.11	1.53	03/25/25 17:42	B25C1367	CP1	1
PFMBA	< 1.53	3.06	U	ng/L	0.11	1.53	03/25/25 17:42	B25C1367	CP1	1
NFDHA	< 1.53	3.06	U	ng/L	0.43	1.53	03/25/25 17:42	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 63%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 101%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 106%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 90%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 76%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 124%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 92%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 91%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 90%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA			*S*	*Recovery: 210%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 51%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 86%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 101%*	*Limits: 20-150*		*03/25/25 17:42*	*B25C1367*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: MW24-GW031325
Report Date: 03/31/2025
Collection Date: 03/13/2025 10:17
Matrix: Groundwater
Lab ID: O25C0608-02

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.03**	6.16	J	ng/L	0.46	3.08	03/25/25 17:58	B25C1367	CP1	1
PFPeA	**3.49**	3.08		ng/L	0.13	1.54	03/25/25 17:58	B25C1367	CP1	1
PFHxA	**2.38**	1.54		ng/L	0.13	0.77	03/25/25 17:58	B25C1367	CP1	1
PFHpA	**0.91**	1.54	J	ng/L	0.15	0.77	03/25/25 17:58	B25C1367	CP1	1
PFOA	**0.62**	1.54	J	ng/L	0.12	0.77	03/25/25 17:58	B25C1367	CP1	1
PFNA	< 0.77	1.54	U	ng/L	0.09	0.77	03/25/25 17:58	B25C1367	CP1	1
PFDA	< 0.77	1.54	U	ng/L	0.13	0.77	03/25/25 17:58	B25C1367	CP1	1
PFUnA	< 0.77	1.54	U	ng/L	0.18	0.77	03/25/25 17:58	B25C1367	CP1	1
PFDoA	< 0.77	1.54	U	ng/L	0.11	0.77	03/25/25 17:58	B25C1367	CP1	1
PFTrDA	< 0.77	1.54	U	ng/L	0.07	0.77	03/25/25 17:58	B25C1367	CP1	1
PFTeDA	< 0.77	1.54	U	ng/L	0.12	0.77	03/25/25 17:58	B25C1367	CP1	1
PFBS	**6.29**	1.37		ng/L	0.18	0.68	03/25/25 17:58	B25C1367	CP1	1
PFPeS	**0.36**	1.45	J	ng/L	0.20	0.73	03/25/25 17:58	B25C1367	CP1	1
PFHxS	**2.74**	1.40		ng/L	0.22	0.70	03/25/25 17:58	B25C1367	CP1	1
PFHpS	< 0.73	1.46	U	ng/L	0.39	0.73	03/25/25 17:58	B25C1367	CP1	1
PFOS	**0.85**	1.79	J	ng/L	0.21	0.89	03/25/25 17:58	B25C1367	CP1	1
PFNS	< 0.74	1.48	U	ng/L	0.19	0.74	03/25/25 17:58	B25C1367	CP1	1
PFDS	< 0.74	1.48	U	ng/L	0.13	0.74	03/25/25 17:58	B25C1367	CP1	1
PFDoS	< 0.75	1.49	U	ng/L	0.08	0.75	03/25/25 17:58	B25C1367	CP1	1
4:2FTS	< 2.89	5.77	U	ng/L	0.39	2.89	03/25/25 17:58	B25C1367	CP1	1
6:2FTS	< 2.92	5.85	U	ng/L	2.67	2.92	03/25/25 17:58	B25C1367	CP1	1
8:2FTS	< 2.95	5.91	U	ng/L	0.59	2.95	03/25/25 17:58	B25C1367	CP1	1
PFOSA	< 0.77	1.54	U	ng/L	0.10	0.77	03/25/25 17:58	B25C1367	CP1	1
NMeFOSA	< 0.77	1.54	U	ng/L	0.25	0.77	03/25/25 17:58	B25C1367	CP1	1
NEtFOSA	< 0.77	1.54	U	ng/L	0.30	0.77	03/25/25 17:58	B25C1367	CP1	1
NMeFOSAA	< 0.77	1.54	U	ng/L	0.42	0.77	03/25/25 17:58	B25C1367	CP1	1
NEtFOSAA	< 0.77	1.54	U	ng/L	0.28	0.77	03/25/25 17:58	B25C1367	CP1	1
NMeFOSE	< 7.70	15.4	U	ng/L	0.97	7.70	03/25/25 17:58	B25C1367	CP1	1
NEtFOSE	< 7.70	15.4	U	ng/L	1.21	7.70	03/25/25 17:58	B25C1367	CP1	1
HFPO-DA	< 1.54	3.08	U	ng/L	0.39	1.54	03/25/25 17:58	B25C1367	CP1	1
ADONA	< 1.45	2.91	U	ng/L	0.14	1.45	03/25/25 17:58	B25C1367	CP1	1
9CL-PF3ONS	< 1.44	2.88	U	ng/L	0.17	1.44	03/25/25 17:58	B25C1367	CP1	1
11CL-PF3OUdS	< 1.45	2.91	U	ng/L	0.30	1.45	03/25/25 17:58	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: MW24-GW031325
Report Date: 03/31/2025
Collection Date: 03/13/2025 10:17
Matrix: Groundwater
Lab ID: O25C0608-02 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.08	6.16	U	ng/L	0.64	3.08	03/25/25 17:58	B25C1367	CP1	1
5:3FTCA	< 15.4	30.8	U	ng/L	3.52	15.4	03/25/25 17:58	B25C1367	CP1	1
7:3FTCA	< 15.4	30.8	U	ng/L	2.94	15.4	03/25/25 17:58	B25C1367	CP1	1
PFEESA	< 1.37	2.74	U	ng/L	0.16	1.37	03/25/25 17:58	B25C1367	CP1	1
PFMPA	< 1.54	3.08	U	ng/L	0.11	1.54	03/25/25 17:58	B25C1367	CP1	1
PFMBA	< 1.54	3.08	U	ng/L	0.12	1.54	03/25/25 17:58	B25C1367	CP1	1
NFDHA	< 1.54	3.08	U	ng/L	0.43	1.54	03/25/25 17:58	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 69%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 102%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 105%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 89%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 75%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 116%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 86%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 89%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 86%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 49%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 86%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 17:58*	*B25C1367*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: FD02-GW031325
Report Date: 03/31/2025
Collection Date: 03/13/2025 09:30
Matrix: Groundwater
Lab ID: O25C0608-03

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**4.10**	6.21	J	ng/L	0.47	3.11	03/25/25 18:15	B25C1367	CP1	1
PFPeA	**3.35**	3.11		ng/L	0.14	1.55	03/25/25 18:15	B25C1367	CP1	1
PFHxA	**2.48**	1.55		ng/L	0.13	0.78	03/25/25 18:15	B25C1367	CP1	1
PFHpA	**0.84**	1.55	J	ng/L	0.16	0.78	03/25/25 18:15	B25C1367	CP1	1
PFOA	**0.67**	1.55	J	ng/L	0.12	0.78	03/25/25 18:15	B25C1367	CP1	1
PFNA	< 0.78	1.55	U	ng/L	0.09	0.78	03/25/25 18:15	B25C1367	CP1	1
PFDA	< 0.78	1.55	U	ng/L	0.13	0.78	03/25/25 18:15	B25C1367	CP1	1
PFUnA	< 0.78	1.55	U	ng/L	0.18	0.78	03/25/25 18:15	B25C1367	CP1	1
PFDoA	< 0.78	1.55	U	ng/L	0.11	0.78	03/25/25 18:15	B25C1367	CP1	1
PFTrDA	< 0.78	1.55	U	ng/L	0.07	0.78	03/25/25 18:15	B25C1367	CP1	1
PFTeDA	< 0.78	1.55	U	ng/L	0.12	0.78	03/25/25 18:15	B25C1367	CP1	1
PFBS	**6.19**	1.38		ng/L	0.18	0.69	03/25/25 18:15	B25C1367	CP1	1
PFPeS	**0.35**	1.47	J	ng/L	0.20	0.73	03/25/25 18:15	B25C1367	CP1	1
PFHxS	**2.78**	1.42		ng/L	0.22	0.71	03/25/25 18:15	B25C1367	CP1	1
PFHpS	< 0.74	1.48	U	ng/L	0.40	0.74	03/25/25 18:15	B25C1367	CP1	1
PFOS	**0.85**	1.81	J	ng/L	0.21	0.90	03/25/25 18:15	B25C1367	CP1	1
PFNS	< 0.75	1.49	U	ng/L	0.19	0.75	03/25/25 18:15	B25C1367	CP1	1
PFDS	< 0.75	1.49	U	ng/L	0.14	0.75	03/25/25 18:15	B25C1367	CP1	1
PFDoS	< 0.75	1.50	U	ng/L	0.08	0.75	03/25/25 18:15	B25C1367	CP1	1
4:2FTS	< 2.91	5.82	U	ng/L	0.40	2.91	03/25/25 18:15	B25C1367	CP1	1
6:2FTS	< 2.95	5.90	U	ng/L	2.69	2.95	03/25/25 18:15	B25C1367	CP1	1
8:2FTS	< 2.98	5.96	U	ng/L	0.59	2.98	03/25/25 18:15	B25C1367	CP1	1
PFOSA	< 0.78	1.55	U	ng/L	0.10	0.78	03/25/25 18:15	B25C1367	CP1	1
NMeFOSA	< 0.78	1.55	U	ng/L	0.25	0.78	03/25/25 18:15	B25C1367	CP1	1
NEtFOSA	< 0.78	1.55	U	ng/L	0.30	0.78	03/25/25 18:15	B25C1367	CP1	1
NMeFOSAA	< 0.78	1.55	U	ng/L	0.43	0.78	03/25/25 18:15	B25C1367	CP1	1
NEtFOSAA	< 0.78	1.55	U	ng/L	0.28	0.78	03/25/25 18:15	B25C1367	CP1	1
NMeFOSE	< 7.76	15.5	U	ng/L	0.98	7.76	03/25/25 18:15	B25C1367	CP1	1
NEtFOSE	< 7.76	15.5	U	ng/L	1.22	7.76	03/25/25 18:15	B25C1367	CP1	1
HFPO-DA	< 1.55	3.11	U	ng/L	0.40	1.55	03/25/25 18:15	B25C1367	CP1	1
ADONA	< 1.47	2.93	U	ng/L	0.15	1.47	03/25/25 18:15	B25C1367	CP1	1
9CL-PF3ONS	< 1.45	2.90	U	ng/L	0.17	1.45	03/25/25 18:15	B25C1367	CP1	1
11CL-PF3OUdS	< 1.47	2.93	U	ng/L	0.30	1.47	03/25/25 18:15	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: FD02-GW031325
Report Date: 03/31/2025
Collection Date: 03/13/2025 09:30
Matrix: Groundwater
Lab ID: O25C0608-03 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.11	6.21	U	ng/L	0.64	3.11	03/25/25 18:15	B25C1367	CP1	1
5:3FTCA	< 15.5	31.1	U	ng/L	3.55	15.5	03/25/25 18:15	B25C1367	CP1	1
7:3FTCA	< 15.5	31.1	U	ng/L	2.97	15.5	03/25/25 18:15	B25C1367	CP1	1
PFEESA	< 1.38	2.77	U	ng/L	0.16	1.38	03/25/25 18:15	B25C1367	CP1	1
PFMPA	< 1.55	3.11	U	ng/L	0.11	1.55	03/25/25 18:15	B25C1367	CP1	1
PFMBA	< 1.55	3.11	U	ng/L	0.12	1.55	03/25/25 18:15	B25C1367	CP1	1
NFDHA	< 1.55	3.11	U	ng/L	0.44	1.55	03/25/25 18:15	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 74%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 108%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 81%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 69%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 92%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 92%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 88%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 87%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 87%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 89%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 47%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 80%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 108%*	*Limits: 20-150*		*03/25/25 18:15*	*B25C1367*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: MW30C-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 13:50
Matrix: Groundwater
Lab ID: O25C0608-04

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 10.0	10.0		mg/L	2.00	4.00	03/18/25 06:00	B25C0901	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	**22.4**	6.42		ng/L	0.48	3.21	03/25/25 18:31	B25C1367	CP1	1
PFPeA	**15.8**	3.21		ng/L	0.14	1.61	03/25/25 18:31	B25C1367	CP1	1
PFHxA	**7.40**	1.61		ng/L	0.13	0.80	03/25/25 18:31	B25C1367	CP1	1
PFHpA	**2.83**	1.61		ng/L	0.16	0.80	03/25/25 18:31	B25C1367	CP1	1
PFOA	**3.51**	1.61		ng/L	0.12	0.80	03/25/25 18:31	B25C1367	CP1	1
PFNA	**0.85**	1.61	J	ng/L	0.09	0.80	03/25/25 18:31	B25C1367	CP1	1
PFDA	**0.45**	1.61	J	ng/L	0.13	0.80	03/25/25 18:31	B25C1367	CP1	1
PFUnA	< 0.80	1.61	U	ng/L	0.19	0.80	03/25/25 18:31	B25C1367	CP1	1
PFDoA	< 0.80	1.61	U	ng/L	0.11	0.80	03/25/25 18:31	B25C1367	CP1	1
PFTrDA	< 0.80	1.61	U	ng/L	0.07	0.80	03/25/25 18:31	B25C1367	CP1	1
PFTeDA	< 0.80	1.61	U	ng/L	0.12	0.80	03/25/25 18:31	B25C1367	CP1	1
PFBS	**2.36**	1.42		ng/L	0.19	0.71	03/25/25 18:31	B25C1367	CP1	1
PFPeS	**0.59**	1.52	J	ng/L	0.21	0.76	03/25/25 18:31	B25C1367	CP1	1
PFHxS	**1.21**	1.47	J	ng/L	0.23	0.73	03/25/25 18:31	B25C1367	CP1	1
PFHpS	< 0.76	1.53	U	ng/L	0.41	0.76	03/25/25 18:31	B25C1367	CP1	1
PFOS	**1.47**	1.87	J	ng/L	0.22	0.93	03/25/25 18:31	B25C1367	CP1	1
PFNS	< 0.77	1.55	U	ng/L	0.20	0.77	03/25/25 18:31	B25C1367	CP1	1
PFDS	< 0.77	1.55	U	ng/L	0.14	0.77	03/25/25 18:31	B25C1367	CP1	1
PFDoS	< 0.78	1.56	U	ng/L	0.08	0.78	03/25/25 18:31	B25C1367	CP1	1
4:2FTS	< 3.01	6.02	Q, U	ng/L	0.41	3.01	03/25/25 18:31	B25C1367	CP1	1
6:2FTS	< 3.05	6.10	U	ng/L	2.78	3.05	03/25/25 18:31	B25C1367	CP1	1
8:2FTS	< 3.08	6.16	U	ng/L	0.61	3.08	03/25/25 18:31	B25C1367	CP1	1
PFOSA	< 0.80	1.61	U	ng/L	0.10	0.80	03/25/25 18:31	B25C1367	CP1	1
NMeFOSA	< 0.80	1.61	U	ng/L	0.26	0.80	03/25/25 18:31	B25C1367	CP1	1
NEtFOSA	< 0.80	1.61	U	ng/L	0.31	0.80	03/25/25 18:31	B25C1367	CP1	1
NMeFOSAA	< 0.80	1.61	U	ng/L	0.44	0.80	03/25/25 18:31	B25C1367	CP1	1
NEtFOSAA	< 0.80	1.61	U	ng/L	0.29	0.80	03/25/25 18:31	B25C1367	CP1	1
NMeFOSE	< 8.03	16.1	U	ng/L	1.01	8.03	03/25/25 18:31	B25C1367	CP1	1
NEtFOSE	< 8.03	16.1	U	ng/L	1.26	8.03	03/25/25 18:31	B25C1367	CP1	1
HFPO-DA	< 1.61	3.21	U	ng/L	0.41	1.61	03/25/25 18:31	B25C1367	CP1	1
ADONA	< 1.52	3.03	U	ng/L	0.15	1.52	03/25/25 18:31	B25C1367	CP1	1
9CL-PF3ONS	< 1.50	3.00	U	ng/L	0.18	1.50	03/25/25 18:31	B25C1367	CP1	1
11CL-PF3OUdS	< 1.52	3.03	U	ng/L	0.31	1.52	03/25/25 18:31	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: MW30C-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 13:50
Matrix: Groundwater
Lab ID: O25C0608-04 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.21	6.42	U	ng/L	0.66	3.21	03/25/25 18:31	B25C1367	CP1	1
5:3FTCA	< 16.1	32.1	U	ng/L	3.67	16.1	03/25/25 18:31	B25C1367	CP1	1
7:3FTCA	< 16.1	32.1	U	ng/L	3.07	16.1	03/25/25 18:31	B25C1367	CP1	1
PFEESA	< 1.43	2.86	U	ng/L	0.17	1.43	03/25/25 18:31	B25C1367	CP1	1
PFMPA	**0.70**	3.21	J	ng/L	0.11	1.61	03/25/25 18:31	B25C1367	CP1	1
PFMBA	**0.37**	3.21	J	ng/L	0.12	1.61	03/25/25 18:31	B25C1367	CP1	1
NFDHA	< 1.61	3.21	U	ng/L	0.45	1.61	03/25/25 18:31	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 37%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 101%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 89%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 76%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 91%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS			*S*	*Recovery: 172%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 134%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 109%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 84%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 88%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 45%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 75%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 106%*	*Limits: 20-150*		*03/25/25 18:31*	*B25C1367*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: FB01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:40
Matrix: Water
Lab ID: O25C0608-05

Sterling Labs

PFAS Substances by LC-MS-MS

Method: E1633

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
PFBA	< 3.04	6.08	U	ng/L	0.46	3.04	03/25/25 18:47	B25C1367	CP1	1
PFPeA	< 1.52	3.04	U	ng/L	0.13	1.52	03/25/25 18:47	B25C1367	CP1	1
PFHxA	< 0.76	1.52	U	ng/L	0.12	0.76	03/25/25 18:47	B25C1367	CP1	1
PFHpA	< 0.76	1.52	U	ng/L	0.15	0.76	03/25/25 18:47	B25C1367	CP1	1
PFOA	< 0.76	1.52	U	ng/L	0.11	0.76	03/25/25 18:47	B25C1367	CP1	1
PFNA	< 0.76	1.52	U	ng/L	0.09	0.76	03/25/25 18:47	B25C1367	CP1	1
PFDA	< 0.76	1.52	U	ng/L	0.12	0.76	03/25/25 18:47	B25C1367	CP1	1
PFUnA	< 0.76	1.52	U	ng/L	0.18	0.76	03/25/25 18:47	B25C1367	CP1	1
PFDoA	< 0.76	1.52	U	ng/L	0.10	0.76	03/25/25 18:47	B25C1367	CP1	1
PFTrDA	< 0.76	1.52	U	ng/L	0.07	0.76	03/25/25 18:47	B25C1367	CP1	1
PFTeDA	< 0.76	1.52	U	ng/L	0.11	0.76	03/25/25 18:47	B25C1367	CP1	1
PFBS	< 0.67	1.35	U	ng/L	0.18	0.67	03/25/25 18:47	B25C1367	CP1	1
PFPeS	< 0.72	1.44	U	ng/L	0.20	0.72	03/25/25 18:47	B25C1367	CP1	1
PFHxS	< 0.69	1.39	U	ng/L	0.22	0.69	03/25/25 18:47	B25C1367	CP1	1
PFHpS	< 0.72	1.44	U	ng/L	0.39	0.72	03/25/25 18:47	B25C1367	CP1	1
PFOS	**0.65**	1.77	J	ng/L	0.21	0.88	03/25/25 18:47	B25C1367	CP1	1
PFNS	< 0.73	1.46	U	ng/L	0.19	0.73	03/25/25 18:47	B25C1367	CP1	1
PFDS	< 0.73	1.46	U	ng/L	0.13	0.73	03/25/25 18:47	B25C1367	CP1	1
PFDoS	< 0.74	1.47	U	ng/L	0.08	0.74	03/25/25 18:47	B25C1367	CP1	1
4:2FTS	< 2.85	5.70	U	ng/L	0.39	2.85	03/25/25 18:47	B25C1367	CP1	1
6:2FTS	< 2.89	5.78	U	ng/L	2.63	2.89	03/25/25 18:47	B25C1367	CP1	1
8:2FTS	< 2.92	5.84	U	ng/L	0.58	2.92	03/25/25 18:47	B25C1367	CP1	1
PFOSA	< 0.76	1.52	U	ng/L	0.10	0.76	03/25/25 18:47	B25C1367	CP1	1
NMeFOSA	< 0.76	1.52	U	ng/L	0.25	0.76	03/25/25 18:47	B25C1367	CP1	1
NEtFOSA	< 0.76	1.52	U	ng/L	0.29	0.76	03/25/25 18:47	B25C1367	CP1	1
NMeFOSAA	< 0.76	1.52	U	ng/L	0.42	0.76	03/25/25 18:47	B25C1367	CP1	1
NEtFOSAA	< 0.76	1.52	U	ng/L	0.28	0.76	03/25/25 18:47	B25C1367	CP1	1
NMeFOSE	< 7.60	15.2	U	ng/L	0.96	7.60	03/25/25 18:47	B25C1367	CP1	1
NEtFOSE	< 7.60	15.2	U	ng/L	1.20	7.60	03/25/25 18:47	B25C1367	CP1	1
HFPO-DA	< 1.52	3.04	U	ng/L	0.39	1.52	03/25/25 18:47	B25C1367	CP1	1
ADONA	< 1.44	2.87	U	ng/L	0.14	1.44	03/25/25 18:47	B25C1367	CP1	1
9CL-PF3ONS	< 1.42	2.84	U	ng/L	0.17	1.42	03/25/25 18:47	B25C1367	CP1	1
11CL-PF3OUdS	< 1.44	2.87	U	ng/L	0.29	1.44	03/25/25 18:47	B25C1367	CP1	1
3:3FTCA	< 3.04	6.08	U	ng/L	0.63	3.04	03/25/25 18:47	B25C1367	CP1	1
5:3FTCA	< 15.2	30.4	U	ng/L	3.48	15.2	03/25/25 18:47	B25C1367	CP1	1
7:3FTCA	< 15.2	30.4	U	ng/L	2.91	15.2	03/25/25 18:47	B25C1367	CP1	1
PFEESA	< 1.35	2.71	U	ng/L	0.16	1.35	03/25/25 18:47	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: FB01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:40
Matrix: Water
Lab ID: O25C0608-05 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
PFMPA	< 1.52	3.04	U	ng/L	0.10	1.52	03/25/25 18:47	B25C1367	CP1	1
PFMBA	< 1.52	3.04	U	ng/L	0.11	1.52	03/25/25 18:47	B25C1367	CP1	1
NFDHA	< 1.52	3.04	U	ng/L	0.43	1.52	03/25/25 18:47	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 55%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 103%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 96%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 104%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 110%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 115%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 76%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 90%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 110%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 101%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 88%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 92%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 93%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 50%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 84%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 101%*	*Limits: 20-150*		*03/25/25 18:47*	*B25C1367*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Client Sample ID: EB01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:15
Matrix: Water
Lab ID: O25C0608-06

Sterling Labs

PFAS Substances by LC-MS-MS

Method: E1633

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
PFBA	< 3.05	6.10	U	ng/L	0.46	3.05	03/25/25 19:03	B25C1367	CP1	1
PFPeA	< 1.52	3.05	U	ng/L	0.13	1.52	03/25/25 19:03	B25C1367	CP1	1
PFHxA	< 0.76	1.52	U	ng/L	0.12	0.76	03/25/25 19:03	B25C1367	CP1	1
PFHpA	< 0.76	1.52	U	ng/L	0.15	0.76	03/25/25 19:03	B25C1367	CP1	1
PFOA	< 0.76	1.52	U	ng/L	0.11	0.76	03/25/25 19:03	B25C1367	CP1	1
PFNA	< 0.76	1.52	U	ng/L	0.09	0.76	03/25/25 19:03	B25C1367	CP1	1
PFDA	< 0.76	1.52	U	ng/L	0.12	0.76	03/25/25 19:03	B25C1367	CP1	1
PFUnA	< 0.76	1.52	U	ng/L	0.18	0.76	03/25/25 19:03	B25C1367	CP1	1
PFDoA	< 0.76	1.52	U	ng/L	0.10	0.76	03/25/25 19:03	B25C1367	CP1	1
PFTrDA	< 0.76	1.52	U	ng/L	0.07	0.76	03/25/25 19:03	B25C1367	CP1	1
PFTeDA	< 0.76	1.52	U	ng/L	0.11	0.76	03/25/25 19:03	B25C1367	CP1	1
PFBS	< 0.68	1.35	U	ng/L	0.18	0.68	03/25/25 19:03	B25C1367	CP1	1
PFPeS	< 0.72	1.44	U	ng/L	0.20	0.72	03/25/25 19:03	B25C1367	CP1	1
PFHxS	< 0.70	1.39	U	ng/L	0.22	0.70	03/25/25 19:03	B25C1367	CP1	1
PFHpS	< 0.72	1.45	U	ng/L	0.39	0.72	03/25/25 19:03	B25C1367	CP1	1
PFOS	**0.71**	1.77	J	ng/L	0.21	0.89	03/25/25 19:03	B25C1367	CP1	1
PFNS	< 0.73	1.47	U	ng/L	0.19	0.73	03/25/25 19:03	B25C1367	CP1	1
PFDS	< 0.73	1.47	U	ng/L	0.13	0.73	03/25/25 19:03	B25C1367	CP1	1
PFDoS	< 0.74	1.48	U	ng/L	0.08	0.74	03/25/25 19:03	B25C1367	CP1	1
4:2FTS	< 2.86	5.71	U	ng/L	0.39	2.86	03/25/25 19:03	B25C1367	CP1	1
6:2FTS	< 2.90	5.79	U	ng/L	2.64	2.90	03/25/25 19:03	B25C1367	CP1	1
8:2FTS	< 2.92	5.85	U	ng/L	0.58	2.92	03/25/25 19:03	B25C1367	CP1	1
PFOSA	< 0.76	1.52	U	ng/L	0.10	0.76	03/25/25 19:03	B25C1367	CP1	1
NMeFOSA	< 0.76	1.52	U	ng/L	0.25	0.76	03/25/25 19:03	B25C1367	CP1	1
NEtFOSA	< 0.76	1.52	U	ng/L	0.30	0.76	03/25/25 19:03	B25C1367	CP1	1
NMeFOSAA	< 0.76	1.52	U	ng/L	0.42	0.76	03/25/25 19:03	B25C1367	CP1	1
NEtFOSAA	< 0.76	1.52	U	ng/L	0.28	0.76	03/25/25 19:03	B25C1367	CP1	1
NMeFOSE	< 7.62	15.2	U	ng/L	0.96	7.62	03/25/25 19:03	B25C1367	CP1	1
NEtFOSE	< 7.62	15.2	U	ng/L	1.20	7.62	03/25/25 19:03	B25C1367	CP1	1
HFPO-DA	< 1.52	3.05	U	ng/L	0.39	1.52	03/25/25 19:03	B25C1367	CP1	1
ADONA	< 1.44	2.88	U	ng/L	0.14	1.44	03/25/25 19:03	B25C1367	CP1	1
9CL-PF3ONS	< 1.42	2.85	U	ng/L	0.17	1.42	03/25/25 19:03	B25C1367	CP1	1
11CL-PF3OUdS	< 1.44	2.88	U	ng/L	0.30	1.44	03/25/25 19:03	B25C1367	CP1	1
3:3FTCA	< 3.05	6.10	U	ng/L	0.63	3.05	03/25/25 19:03	B25C1367	CP1	1
5:3FTCA	< 15.2	30.5	U	ng/L	3.49	15.2	03/25/25 19:03	B25C1367	CP1	1
7:3FTCA	< 15.2	30.5	U	ng/L	2.91	15.2	03/25/25 19:03	B25C1367	CP1	1
PFEESA	< 1.36	2.71	U	ng/L	0.16	1.36	03/25/25 19:03	B25C1367	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1
Superfund Site
Work Order: O25C0608

Client Sample ID: EB01-GW031225
Report Date: 03/31/2025
Collection Date: 03/12/2025 17:15
Matrix: Water
Lab ID: O25C0608-06 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
PFMPA	< 1.52	3.05	U	ng/L	0.10	1.52	03/25/25 19:03	B25C1367	CP1	1
PFMBA	< 1.52	3.05	U	ng/L	0.11	1.52	03/25/25 19:03	B25C1367	CP1	1
NFDHA	< 1.52	3.05	U	ng/L	0.43	1.52	03/25/25 19:03	B25C1367	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 29%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 100%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 98%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 109%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 116%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 121%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 77%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 91%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 94%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 107%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 90%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 92%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 99%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 102%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 97%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 48%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 79%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 106%*	*Limits: 20-150*		*03/25/25 19:03*	*B25C1367*	*CP1*	1

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Dates Report

Client: CDM Federal Programs Corporation

Report Date: 03/31/2025

Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0608

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
O25C0608-01	MW03RD-GW031225	03/12/25	Groundwater	Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
				Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/25/25 10:02	03/25/25 17:42	B25C1367	S25C0909
O25C0608-02	MW24-GW031325	03/13/25		Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
				Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/25/25 10:02	03/25/25 17:58	B25C1367	S25C0909
O25C0608-03	FD02-GW031325	03/13/25		Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
				Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/25/25 10:02	03/25/25 18:15	B25C1367	S25C0909
O25C0608-04	MW30C-GW031225	03/12/25		Total Suspended Solids (TSS)		03/17/25 17:25	03/18/25 06:00	B25C0901	
				Per and Polyfluoroalkyl Substances (PFAS)	03/17/25 17:25	03/25/25 10:02	03/25/25 18:31	B25C1367	S25C0909
O25C0608-05	FB01-GW031225	03/12/25	Water	Per and Polyfluoroalkyl Substances (PFAS)		03/25/25 10:02	03/25/25 18:47		
O25C0608-06	EB01-GW031225	03/12/25		Per and Polyfluoroalkyl Substances (PFAS)		03/25/25 10:02	03/25/25 19:03		

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Quality Control

Client: Cherie Zakowski
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Report Date: 03/31/2025
Matrix: Water

Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C0901											
(B25C0901-BLK1), Blank				*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	<0.800	10.0	mg/L								0.2
(B25C0901-BS1), LCS				*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	988	10.0	mg/L	1,020		97	85-115				1
(B25C0901-DUP1), Duplicate		**Source: O25C0114-02**		*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	2,340	10.0	mg/L		1,660			34	10	P	2
(B25C0901-DUP2), Duplicate		**Source: O25C0550-10**		*Prepared: 03/17/2025 17:25*			*Analyzed: 03/18/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	9.00	10.0	mg/L		ND				10		1

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Quality Control

(Continued)

Client: Cherie Zakowski
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25C0608

Report Date: 03/31/2025
Matrix: Water

PFAS Substances by LC-MS-MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367											
(B25C1367-BLK1), Blank				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 16:46*				
PFBA	<3.20	6.40	ng/L							U	1
PFPeA	<1.60	3.20	ng/L							U	1
PFHxA	<0.80	1.60	ng/L							U	1
PFHpA	<0.80	1.60	ng/L							U	1
PFOA	0.44	1.60	ng/L							J	1
PFNA	<0.80	1.60	ng/L							U	1
PFDA	<0.80	1.60	ng/L							U	1
PFUnA	<0.80	1.60	ng/L							U	1
PFDoA	<0.80	1.60	ng/L							U	1
PFTrDA	<0.80	1.60	ng/L							U	1
PFTeDA	<0.80	1.60	ng/L							U	1
PFBS	<0.71	1.42	ng/L							U	1
PFPeS	<0.76	1.51	ng/L							U	1
PFHxS	<0.73	1.46	ng/L							U	1
PFHpS	<0.76	1.52	ng/L							U	1
PFOS	0.66	1.86	ng/L							J	1
PFNS	<0.77	1.54	ng/L							U	1
PFDS	<0.77	1.54	ng/L							U	1
PFDoS	<0.78	1.55	ng/L							U	1
4:2FTS	<3.00	6.00	ng/L							U	1
6:2FTS	<3.04	6.08	ng/L							U	1
8:2FTS	<3.07	6.14	ng/L							U	1
PFOSA	<0.80	1.60	ng/L							U	1
NMeFOSA	<0.80	1.60	ng/L							U	1
NEtFOSA	<0.80	1.60	ng/L							U	1
NMeFOSAA	<0.80	1.60	ng/L							U	1
NEtFOSAA	<0.80	1.60	ng/L							U	1
NMeFOSE	<8.00	16.0	ng/L							U	1
NEtFOSE	<8.00	16.0	ng/L							U	1
HFPO-DA	<1.60	3.20	ng/L							U	1
ADONA	<1.51	3.02	ng/L							U	1
9CL-PF3ONS	<1.50	2.99	ng/L							U	1
11CL-PF3OUdS	<1.51	3.02	ng/L							U	1
3:3FTCA	<3.20	6.40	ng/L							U	1
5:3FTCA	<16.0	32.0	ng/L							U	1
7:3FTCA	<16.0	32.0	ng/L							U	1
PFEESA	<1.42	2.85	ng/L							U	1
PFMPA	<1.60	3.20	ng/L							U	1
PFMBA	<1.60	3.20	ng/L							U	1
NFDHA	<1.60	3.20	ng/L							U	1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0608

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367 *(Continued)*											
(B25C1367-BLK1), Blank (Continued)				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 16:46*				
Surrogate: 13C4-PFBA	*55.9*		*ng/L*	*100*		*56*	*20-150*				*1*
Surrogate: 13C5-PFPeA	*51.6*		*ng/L*	*50.0*		*103*	*20-150*				*1*
Surrogate: 13C5-PFHxA	*24.8*		*ng/L*	*25.0*		*99*	*20-150*				*1*
Surrogate: 13C4-PFHpA	*26.7*		*ng/L*	*25.0*		*107*	*20-150*				*1*
Surrogate: 13C8-PFOA	*25.5*		*ng/L*	*25.0*		*102*	*20-150*				*1*
Surrogate: 13C9-PFNA	*12.5*		*ng/L*	*12.5*		*100*	*20-150*				*1*
Surrogate: 13C6-PFDA	*13.4*		*ng/L*	*12.5*		*107*	*20-150*				*1*
Surrogate: 13C7-PFUnA	*13.3*		*ng/L*	*12.5*		*107*	*20-150*				*1*
Surrogate: 13C2-PFDoA	*14.2*		*ng/L*	*12.5*		*113*	*20-150*				*1*
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*11.1*		*ng/L*	*12.5*		*89*	*20-150*				*1*
Surrogate: 13C2-PFTeDA	*8.55*		*ng/L*	*12.5*		*68*	*20-150*				*1*
Surrogate: 13C3-PFBS	*24.9*		*ng/L*	*25.0*		*100*	*20-150*				*1*
Surrogate: 13C3-PFHxS	*24.5*		*ng/L*	*25.0*		*98*	*20-150*				*1*
Surrogate: 13C8-PFOS	*25.9*		*ng/L*	*25.0*		*104*	*20-150*				*1*
Surrogate: 13C2-4:2FTS	*60.8*		*ng/L*	*50.0*		*122*	*20-150*				*1*
Surrogate: 13C2-6:2FTS	*57.0*		*ng/L*	*50.0*		*114*	*20-150*				*1*
Surrogate: 13C2-8:2FTS	*49.8*		*ng/L*	*50.0*		*100*	*20-150*				*1*
Surrogate: 13C8-PFOSA	*25.6*		*ng/L*	*25.0*		*102*	*20-150*				*1*
Surrogate: D3-NMeFOSA	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				*1*
Surrogate: D5-NEtFOSA	*25.1*		*ng/L*	*25.0*		*100*	*20-150*				*1*
Surrogate: D3-NMeFOSAA	*50.9*		*ng/L*	*50.0*		*102*	*20-150*				*1*
Surrogate: D5-NEtFOSAA	*49.5*		*ng/L*	*50.0*		*99*	*20-150*				*1*
Surrogate: D7-NMeFOSE	*133*		*ng/L*	*250*		*53*	*20-150*				*1*
Surrogate: D9-NEtFOSE	*221*		*ng/L*	*250*		*88*	*20-150*				*1*
Surrogate: 13C3-HFPO-DA	*102*		*ng/L*	*100*		*102*	*20-150*				*1*
(B25C1367-BS1), LLCS				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:04*				
PFBA	21.4	6.40	ng/L	20.0		107	40-150				1
PFPeA	10.6	3.20	ng/L	10.0		106	40-150				1
PFHxA	5.47	1.60	ng/L	5.00		109	40-150				1
PFHpA	5.04	1.60	ng/L	5.00		101	40-150				1
PFOA	5.40	1.60	ng/L	5.00		108	40-150				1
PFNA	4.98	1.60	ng/L	5.00		100	40-150				1
PFDA	5.12	1.60	ng/L	5.00		102	40-150				1
PFUnA	5.61	1.60	ng/L	5.00		112	40-150				1
PFDoA	5.44	1.60	ng/L	5.00		109	40-150				1
PFTrDA	5.90	1.60	ng/L	5.00		118	40-150				1
PFTeDA	5.95	1.60	ng/L	5.00		119	40-150				1
PFBS	5.03	1.42	ng/L	4.42		114	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0608

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367 *(Continued)*											
(B25C1367-BS1), LLCS (Continued)				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:04*				
PFPeS	5.12	1.51	ng/L	4.70		109	40-150				1
PFHxS	5.43	1.46	ng/L	4.58		119	40-150				1
PFHpS	5.35	1.52	ng/L	4.78		112	40-150				1
PFOS	6.13	1.86	ng/L	4.65		132	40-150				1
PFNS	5.57	1.54	ng/L	4.80		116	40-150				1
PFDS	6.06	1.54	ng/L	4.82		126	40-150				1
PFDoS	4.99	1.55	ng/L	4.85		103	40-150				1
4:2FTS	19.2	6.00	ng/L	18.8		102	40-150				1
6:2FTS	19.8	6.08	ng/L	19.0		104	40-150				1
8:2FTS	19.7	6.14	ng/L	19.2		103	40-150				1
PFOSA	5.22	1.60	ng/L	5.00		104	40-150				1
NMeFOSA	5.08	1.60	ng/L	5.00		102	40-150				1
NEtFOSA	5.03	1.60	ng/L	5.00		101	40-150				1
NMeFOSAA	5.48	1.60	ng/L	5.00		110	40-150				1
NEtFOSAA	4.88	1.60	ng/L	5.00		98	40-150				1
NMeFOSE	62.1	16.0	ng/L	50.0		124	40-150				1
NEtFOSE	53.4	16.0	ng/L	50.0		107	40-150				1
HFPO-DA	10.9	3.20	ng/L	10.0		109	40-150				1
ADONA	9.43	3.02	ng/L	9.45		100	40-150				1
9CL-PF3ONS	10.3	2.99	ng/L	9.35		111	40-150				1
11CL-PF3OUdS	11.6	3.02	ng/L	9.45		123	40-150				1
3:3FTCA	13.7	6.40	ng/L	20.0		69	40-150				1
5:3FTCA	87.7	32.0	ng/L	100		88	40-150				1
7:3FTCA	92.9	32.0	ng/L	100		93	40-150				1
PFEESA	10.5	2.85	ng/L	8.90		118	40-150				1
PFMPA	8.63	3.20	ng/L	10.0		86	40-150				1
PFMBA	10.1	3.20	ng/L	10.0		101	40-150				1
NFDHA	12.2	3.20	ng/L	10.0		122	40-150				1
Surrogate: 13C4-PFBA	*53.8*		*ng/L*	*100*		*54*	*20-150*				1
Surrogate: 13C5-PFPeA	*49.8*		*ng/L*	*50.0*		*100*	*20-150*				1
Surrogate: 13C5-PFHxA	*23.9*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: 13C4-PFHpA	*25.6*		*ng/L*	*25.0*		*102*	*20-150*				1
Surrogate: 13C8-PFOA	*25.0*		*ng/L*	*25.0*		*100*	*20-150*				1
Surrogate: 13C9-PFNA	*12.6*		*ng/L*	*12.5*		*101*	*20-150*				1
Surrogate: 13C6-PFDA	*12.9*		*ng/L*	*12.5*		*103*	*20-150*				1
Surrogate: 13C7-PFUnA	*13.3*		*ng/L*	*12.5*		*107*	*20-150*				1
Surrogate: 13C2-PFDoA	*14.3*		*ng/L*	*12.5*		*114*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*11.8*		*ng/L*	*12.5*		*94*	*20-150*				1
Surrogate: 13C2-PFTeDA	*9.74*		*ng/L*	*12.5*		*78*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0608

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367 *(Continued)*											
(B25C1367-BS1), LLCS (Continued)				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:04*				
Surrogate: 13C3-PFBS	*23.2*		*ng/L*	*25.0*		*93*	*20-150*				1
Surrogate: 13C3-PFHxS	*23.9*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C8-PFOS	*23.7*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C2-4:2FTS	*57.6*		*ng/L*	*50.0*		*115*	*20-150*				1
Surrogate: 13C2-6:2FTS	*54.9*		*ng/L*	*50.0*		*110*	*20-150*				1
Surrogate: 13C2-8:2FTS	*50.4*		*ng/L*	*50.0*		*101*	*20-150*				1
Surrogate: 13C8-PFOSA	*26.1*		*ng/L*	*25.0*		*105*	*20-150*				1
Surrogate: D3-NMeFOSA	*23.0*		*ng/L*	*25.0*		*92*	*20-150*				1
Surrogate: D5-NEtFOSA	*23.9*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: D3-NMeFOSAA	*49.0*		*ng/L*	*50.0*		*98*	*20-150*				1
Surrogate: D5-NEtFOSAA	*49.4*		*ng/L*	*50.0*		*99*	*20-150*				1
Surrogate: D7-NMeFOSE	*131*		*ng/L*	*250*		*52*	*20-150*				1
Surrogate: D9-NEtFOSE	*222*		*ng/L*	*250*		*89*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*104*		*ng/L*	*100*		*104*	*20-150*				1
(B25C1367-BS2), HLCS				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:24*				
PFBA	217	6.40	ng/L	200		108	40-150				1
PFPeA	107	3.20	ng/L	100		107	40-150				1
PFHxA	55.6	1.60	ng/L	50.0		111	40-150				1
PFHpA	54.2	1.60	ng/L	50.0		108	40-150				1
PFOA	54.0	1.60	ng/L	50.0		108	40-150				1
PFNA	50.7	1.60	ng/L	50.0		101	40-150				1
PFDA	56.2	1.60	ng/L	50.0		112	40-150				1
PFUnA	57.5	1.60	ng/L	50.0		115	40-150				1
PFDoA	58.2	1.60	ng/L	50.0		116	40-150				1
PFTrDA	66.7	1.60	ng/L	50.0		133	40-150				1
PFTeDA	66.6	1.60	ng/L	50.0		133	40-150				1
PFBS	51.4	1.42	ng/L	44.2		116	40-150				1
PFPeS	51.8	1.51	ng/L	47.0		110	40-150				1
PFHxS	51.9	1.46	ng/L	45.8		113	40-150				1
PFHpS	55.4	1.52	ng/L	47.8		116	40-150				1
PFOS	55.2	1.86	ng/L	46.5		119	40-150				1
PFNS	60.9	1.54	ng/L	48.0		127	40-150				1
PFDS	61.9	1.54	ng/L	48.2		128	40-150				1
PFDoS	45.1	1.55	ng/L	48.5		93	40-150				1
4:2FTS	211	6.00	ng/L	188		113	40-150				1
6:2FTS	202	6.08	ng/L	190		106	40-150				1
8:2FTS	202	6.14	ng/L	192		105	40-150				1
PFOSA	55.7	1.60	ng/L	50.0		111	40-150				1
NMeFOSA	52.4	1.60	ng/L	50.0		105	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 03/31/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25C0608

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367 *(Continued)*											
(B25C1367-BS2), HLCS (Continued)				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:24*				
NEtFOSA	52.7	1.60	ng/L	50.0		105	40-150				1
NMeFOSAA	52.9	1.60	ng/L	50.0		106	40-150				1
NEtFOSAA	54.3	1.60	ng/L	50.0		109	40-150				1
NMeFOSE	660	16.0	ng/L	500		132	40-150				1
NEtFOSE	563	16.0	ng/L	500		113	40-150				1
HFPO-DA	112	3.20	ng/L	100		112	40-150				1
ADONA	93.5	3.02	ng/L	94.5		99	40-150				1
9CL-PF3ONS	96.5	2.99	ng/L	93.5		103	40-150				1
11CL-PF3OUdS	108	3.02	ng/L	94.5		115	40-150				1
3:3FTCA	148	6.40	ng/L	200		74	40-150				1
5:3FTCA	905	32.0	ng/L	1,000		90	40-150				1
7:3FTCA	1,030	32.0	ng/L	1,000		103	40-150				1
PFEESA	101	2.85	ng/L	89.0		113	40-150				1
PFMPA	84.0	3.20	ng/L	100		84	40-150				1
PFMBA	103	3.20	ng/L	100		103	40-150				1
NFDHA	124	3.20	ng/L	100		124	40-150				1
Surrogate: 13C4-PFBA	*49.0*		*ng/L*	*100*		*49*	*20-150*				1
Surrogate: 13C5-PFPeA	*48.3*		*ng/L*	*50.0*		*97*	*20-150*				1
Surrogate: 13C5-PFHxA	*24.1*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: 13C4-PFHpA	*24.2*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C8-PFOA	*25.8*		*ng/L*	*25.0*		*103*	*20-150*				1
Surrogate: 13C9-PFNA	*12.5*		*ng/L*	*12.5*		*100*	*20-150*				1
Surrogate: 13C6-PFDA	*13.3*		*ng/L*	*12.5*		*107*	*20-150*				1
Surrogate: 13C7-PFUnA	*12.9*		*ng/L*	*12.5*		*103*	*20-150*				1
Surrogate: 13C2-PFDoA	*13.0*		*ng/L*	*12.5*		*104*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.8*		*ng/L*	*12.5*		*86*	*20-150*				1
Surrogate: 13C2-PFTeDA	*8.92*		*ng/L*	*12.5*		*71*	*20-150*				1
Surrogate: 13C3-PFBS	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C3-PFHxS	*25.2*		*ng/L*	*25.0*		*101*	*20-150*				1
Surrogate: 13C8-PFOS	*24.9*		*ng/L*	*25.0*		*100*	*20-150*				1
Surrogate: 13C2-4:2FTS	*53.1*		*ng/L*	*50.0*		*106*	*20-150*				1
Surrogate: 13C2-6:2FTS	*46.0*		*ng/L*	*50.0*		*92*	*20-150*				1
Surrogate: 13C2-8:2FTS	*46.9*		*ng/L*	*50.0*		*94*	*20-150*				1
Surrogate: 13C8-PFOSA	*27.6*		*ng/L*	*25.0*		*111*	*20-150*				1
Surrogate: D3-NMeFOSA	*25.3*		*ng/L*	*25.0*		*101*	*20-150*				1
Surrogate: D5-NEtFOSA	*26.0*		*ng/L*	*25.0*		*104*	*20-150*				1
Surrogate: D3-NMeFOSAA	*49.9*		*ng/L*	*50.0*		*100*	*20-150*				1
Surrogate: D5-NEtFOSAA	*49.4*		*ng/L*	*50.0*		*99*	*20-150*				1
Surrogate: D7-NMeFOSE	*141*		*ng/L*	*250*		*56*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski
Report Date: 03/31/2025
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Matrix: Water
Work Order: O25C0608

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25C1367 *(Continued)*											
(B25C1367-BS2), HLCS (Continued)				*Prepared: 03/25/2025 10:02*			*Analyzed: 03/25/2025 17:24*				
Surrogate: D9-NEtFOSE	*228*		*ng/L*	*250*		*91*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*105*		*ng/L*	*100*		*105*	*20-150*				1

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Qualifiers and Definitions

Item	Description
J	The reported result is an estimated value.
P	The quality control sample %RPD is above the laboratory control limit.
Q	One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).
S	The quality control sample recovery is outside of the laboratory control limits.
U	Analyte included in the analysis, but not detected
%Rec	Percent Recovery

sterling labs
509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663
2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (3
info@thesterlinglab.com

O25C0608
PM: Olga Karplyuk
CDM Federal Programs Corporation

CHAIN OF C

No: 104802 Page : 1 of 1

Company: CdM Smith
Project Number: 275859 Client Tracking No.:
Project Name: 700 S 1600 E PCE Plume
Project Location: Salt Lake City, Utah
Sampler(s): M. Mitton, J. Borgerding, L. Lytle, R. Panas
Report To: Cherie Zakowski Phone: 1-720-264-1109
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 X e-mail: ZakowskiCA@cdmsmith.com

P.O. No.:
Quote No.:
Turn Around Time (Days): 1 2 3 4 5-7 10
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	PFASs (Method 1633)	Remarks	Lab No.:
MW03RD-GW031225	3/12/25	1725	GW		X	A	3	X		01A-C
MW24-GW031325	3/13/25	1017	GW		X	A	3	X		02A-C
FD02-GW031325	3/13/25	0930	GW		X	A	3	X		03A-C
MW30C-GW031225	3/12/25	1350	GW		X	A	3	X		04A-C
FB01-GW031225	3/12/25	1740	W		X	A	2	X		05A-B
EB01-GW031225	3/12/25	1715	W		X	A	2	X		06A-B

Relinquished by: (Signature) Melissa Mitton Date/Time: 3/13/25 1202
Received by: (Signature) [signature] Date/Time: 3-14-25 0937
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: O25C0608

Received on Ice: Yes X No

Temperature: 3.4 °C

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Sample Receipt Checklist

Work Order: O25C0608

Printed: 3/14/2025 12:37:43PM

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Date Due: Friday, March 28, 2025

Received By: Aana K. Patel
Logged In By: Aana K. Patel

Date Received: 3/14/2025 9:37:00AM
Date Logged In: 3/14/2025 12:36:00PM

Cooler Name: 2025-54

How were samples received: FedEx

Cooler temperature at of below 6 degrees Celsius: Yes

Chain of Custody present and properly completed : Yes

Turnaround Time is indicated and specified: Yes

Chain of Custody agrees with sample labels: Yes

Samples received within hold time: Yes

Proper sample containers received intact: Yes

Sufficient sample volume: Yes

Containers properly preserved: Yes

Custody seals present: Yes Intact? Yes

Volatile water vials received: No

Samples going out of hold time within 24 hours:

_____

_____

_____

_____

Sample Receipt Comments

Work Order: O25C0608

The samples were received on 3/14/2025 9:37:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
2025-54	3.4

The samples were received in good condition and were properly preserved.

Reviewed By: _____ Date: 03-14-25

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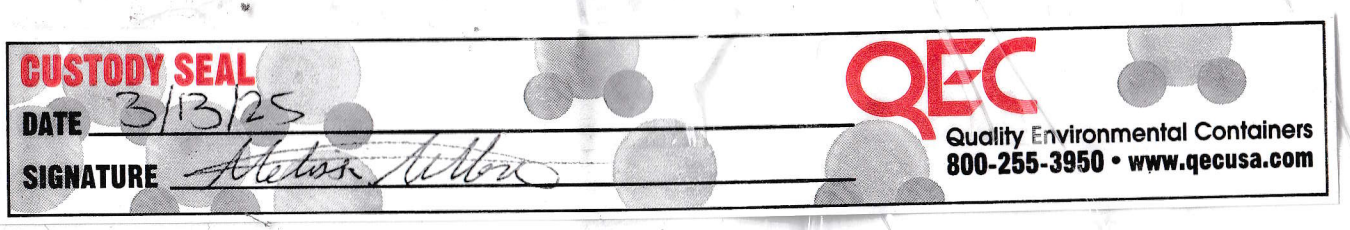

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sterling labs
509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663
2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (3
info@thesterlinglab.com

O25C0608
PM: Olga Karplyuk
CDM Federal Programs Corporation

CHAIN OF C

No: 104802 Page : 1 of 1

Company: CdM Smith
Project Number: 275859 Client Tracking No.:
Project Name: 700 S 1600 E PCE Plume
Project Location: Salt Lake City, Utah
Sampler(s): M. Mitton, J. Borgerding, L. Lytle, R. Panas
Report To: Cherie Zakowski Phone: 1-720-264-1109
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 X e-mail: ZakowskiCA@cdmsmith.com

P.O. No.:
Quote No.:
Turn Around Time (Days): 1 2 3 4 5-7 (10)
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	PFAS (Method 1633)	Remarks	Lab No.:
MW03RD-GW031225	3/12/25	1725	GW		X	A	3	X		01A-C
MW24-GW031325	3/13/25	1017	GW		X	A	3	X		02A-C
FD02-GW031325	3/13/25	0930	GW		X	A	3	X		03A-C
MW30C-GW031225	3/12/25	1350	GW		X	A	3	X		04A-C
FB01-GW031225	3/12/25	1740	W		X	A	2	X		05A-B
EB01-GW031225	3/12/25	1715	W		X	A	2	X		06A-B

Relinquished by: (Signature) Melissa Mitton Date/Time: 3/13/25 1202
Received by: (Signature) Lena Patel Date/Time: 3-14-25 0937
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: O25C0608

Received on Ice: Yes [X] No [ ]
Temperature: 3.4 °C

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Sample Receipt Checklist

Work Order: O25C0608

Printed: 3/14/2025 12:37:43PM

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Date Due: Friday, March 28, 2025

Received By: Aana K. Patel
Logged In By: Aana K. Patel

Date Received: 3/14/2025 9:37:00AM
Date Logged In: 3/14/2025 12:36:00PM

Cooler Name: 2025-54

How were samples received: FedEx

Cooler temperature at of below 6 degrees Celsius: Yes

Chain of Custody present and properly completed : Yes

Turnaround Time is indicated and specified: Yes

Chain of Custody agrees with sample labels: Yes

Samples received within hold time: Yes

Proper sample containers received intact: Yes

Sufficient sample volume: Yes

Containers properly preserved: Yes

Custody seals present: Yes Intact? Yes

Volatile water vials received: No

Samples going out of hold time within 24 hours:

_____

_____

_____

_____

Sample Receipt Comments

Work Order: O25C0608

The samples were received on 3/14/2025 9:37:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
2025-54	3.4

The samples were received in good condition and were properly preserved.

Reviewed By: _____ Date: 03-14-25

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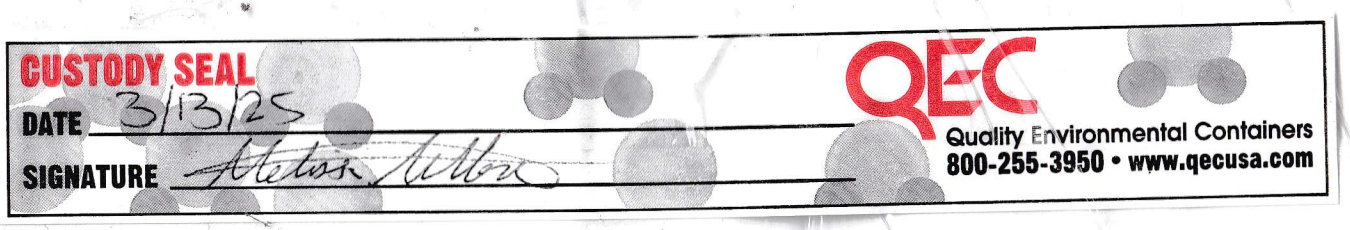

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Analysis Class: LC-MS-MS 1633

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW03RD-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-01	File ID:	PFAS2_250325_014.d
Sampled:	03/12/25 17:25	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:42
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	523.6282 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.46	3.06	6.11	U
2706-90-3	PFPeA		0.13	1.53	3.06	U
307-24-4	PFHxA	0.62	0.12	0.76	1.53	J
375-85-9	PFHpA	0.68	0.15	0.76	1.53	J
335-67-1	PFOA	0.43	0.11	0.76	1.53	J
375-95-1	PFNA		0.09	0.76	1.53	U
335-76-2	PFDA		0.12	0.76	1.53	U
2058-94-8	PFUnA		0.18	0.76	1.53	U
307-55-1	PFDoA		0.11	0.76	1.53	U
72629-94-8	PFTrDA		0.07	0.76	1.53	U
376-06-7	PFTeDA		0.11	0.76	1.53	U
375-73-5	PFBS		0.18	0.68	1.36	U
2706-91-4	PFPeS		0.20	0.72	1.44	U
355-46-4	PFHxS		0.22	0.70	1.39	U
375-92-8	PFHpS		0.39	0.73	1.45	U
1763-23-1	PFOS	0.60	0.21	0.89	1.78	J
68259-12-1	PFNS		0.19	0.74	1.47	U
335-77-3	PFDS		0.13	0.74	1.47	U
79780-39-5	PFDoS		0.08	0.74	1.48	U
757124-72-4	4:2FTS		0.39	2.86	5.73	U
27619-97-2	6:2FTS		2.65	2.90	5.81	U
39108-34-4	8:2FTS		0.58	2.93	5.86	U
754-91-6	PFOSA		0.10	0.76	1.53	U
31506-32-8	NMeFOSA		0.25	0.76	1.53	U
4151-50-2	NEtFOSA		0.30	0.76	1.53	U
2355-31-9	NMeFOSAA		0.42	0.76	1.53	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW03RD-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-01	File ID:	PFAS2_250325_014.d
Sampled:	03/12/25 17:25	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:42
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	523.6282 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.76	1.53	U, Q
24448-09-7	NMeFOSE		0.96	7.64	15.3	U
1691-99-2	NEtFOSE		1.20	7.64	15.3	U
13252-13-6	HFPO-DA		0.39	1.53	3.06	U
919005-14-4	ADONA		0.14	1.44	2.88	U
756426-58-1	9CL-PF3ONS		0.17	1.43	2.86	U
763051-92-9	11CL-PF3OUdS		0.30	1.44	2.88	U
356-02-5	3:3FTCA		0.63	3.06	6.11	U
914637-49-3	5:3FTCA		3.49	15.3	30.6	U
812-70-4	7:3FTCA		2.92	15.3	30.6	U
113507-82-7	PFEESA		0.16	1.36	2.72	U
377-73-1	PFMPA		0.11	1.53	3.06	U
863090-89-5	PFMBA		0.11	1.53	3.06	U
151772-58-6	NFDHA		0.43	1.53	3.06	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_014.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:42:31 PM
Sample Name	O25C0608-01	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

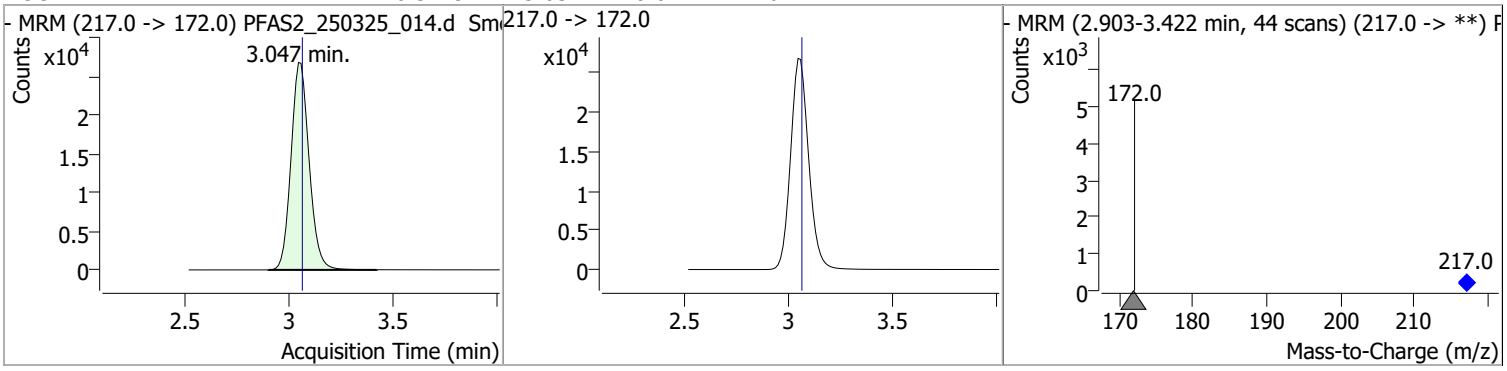
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112168	5.0000	µg/L		-18.031
13C2-PFHxA	4.890	315.0 -> 270.0	131936	2.5000	µg/L		-14.006
18O2-PFHxS	5.955	403.0 -> 84.0	25544	2.5000	µg/L		-13.791
13C4-PFOA	5.823	417.0 -> 172.0	13034	2.5000	µg/L		-15.625
13C5-PFNA	6.214	468.0 -> 423.0	65102	1.2500	µg/L		-8.529
13C2-PFDA	6.592	515.0 -> 470.0	58076	1.2500	µg/L		-13.159
13C4-PFOS	6.759	503.0 -> 80.0	22635	2.5000	µg/L		-9.130
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	161222	10.0000	µg/L		-48.132
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 63.25%			
13C5-PFPeA	4.222	268.0 -> 223.0	172074	5.0000	µg/L		-16.840
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.71%			
13C5-PFPeA	4.222	268.0 -> 223.0	172074	5.0000	µg/L		-16.840
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.71%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27003	5.0000	µg/L	#	6.880
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 124.48%			
13C5-PFHxA	4.889	318.0 -> 273.0	136184	2.5000	µg/L		-19.344
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.77%			
13C5-PFHxA	4.889	318.0 -> 273.0	136184	2.5000	µg/L		-19.344
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.77%			
13C3-PFBS	4.929	302.0 -> 80.0	51792	2.5000	µg/L		-14.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.04%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	151341	10.0000	µg/L		-13.406
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.69%			
13C4-PFHpA	5.385	367.0 -> 322.0	158119	2.5000	µg/L		-16.289
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%			
13C3-PFHxS	5.944	402.0 -> 80.0	28765	2.5000	µg/L		-17.693
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.50%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13595	5.0000	µg/L	#	-7.944
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.90%			
13C8-PFOA	5.823	421.0 -> 376.0	150928	2.5000	µg/L		-12.627
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.57%			
13C3-PFHxS	5.944	402.0 -> 80.0	28765	2.5000	µg/L		-17.693
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.50%			
13C9-PFNA	6.213	472.0 -> 427.0	64883	1.2500	µg/L		-7.920
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.62%			
13C8-PFOS	6.759	507.0 -> 80.0	21808	2.5000	µg/L		-13.746
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.96%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9397	5.0000	µg/L	#	-20.668
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.90%			
13C6-PFDA	6.591	519.0 -> 474.0	61700	1.2500	µg/L		-9.211
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.45%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49146	5.0000	µg/L		-11.954
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21808	2.5000	µg/L		-13.746

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.96%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	80594	5.0000	µg/L		91.120
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 210.22%		*	
13C7-PFUnDA	6.966	570.0 -> 525.0	49575	1.2500	µg/L		-7.515
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.48%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	34603	1.2500	µg/L		-21.561
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.18%			
13C2-PFDoDA	7.344	615.0 -> 570.0	37083	1.2500	µg/L		-7.166
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.91%			
13C2-PFTDA	8.068	715.0 -> 670.0	32124	1.2500	µg/L		-33.470
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.38%			
13C8-PFOSA	8.792	506.0 -> 78.0	33516	2.5000	µg/L		-9.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.59%			
13C8-PFOSA	8.792	506.0 -> 78.0	33516	2.5000	µg/L		-9.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.59%			
2H7-MeFOSE	9.865	623.1 -> 59.0	58619	25.0000	µg/L		-53.346
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 51.38%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8627	2.5000	µg/L		-16.805
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.34%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49496	25.0000	µg/L		-22.065
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.74%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9213	2.5000	µg/L		-18.038
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.21%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.431	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.742	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.503	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.787	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	3149	0.0646	µg/L		99
PFBS	4.930	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	3070	0.0715	µg/L		97
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.470	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.326	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	541	0.0454	µg/L	#	86
PFHxS	5.945	398.9 -> 80.0	153	0.0137	µg/L		97
PFNA	6.381	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.394	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.412	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.580	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.716	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.707	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	274	0.0623	µg/L	#	44
N-EtFOSAA	6.717	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.955	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.649	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.135	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	

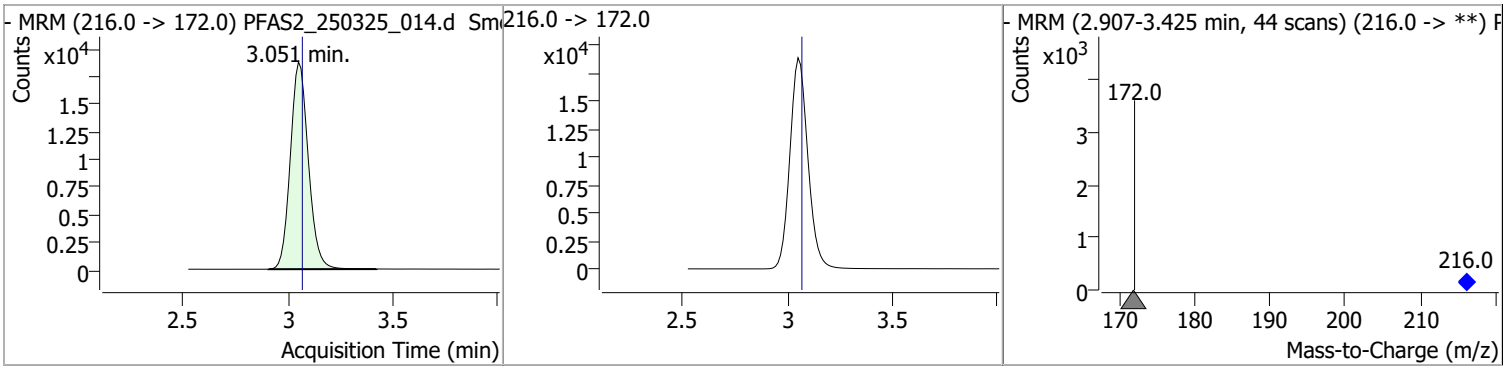
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.478	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.713	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.763	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.069	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.156	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	55	0.0000	µg/L		100
N-MeFOSA	9.968	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	51	0.0381	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

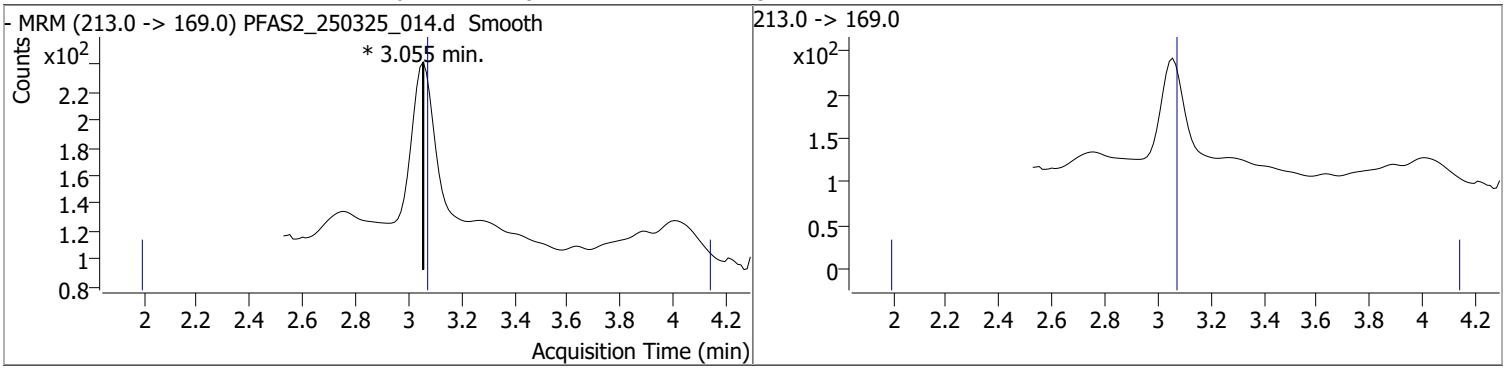
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.3249	3.05	-0.01	161222				



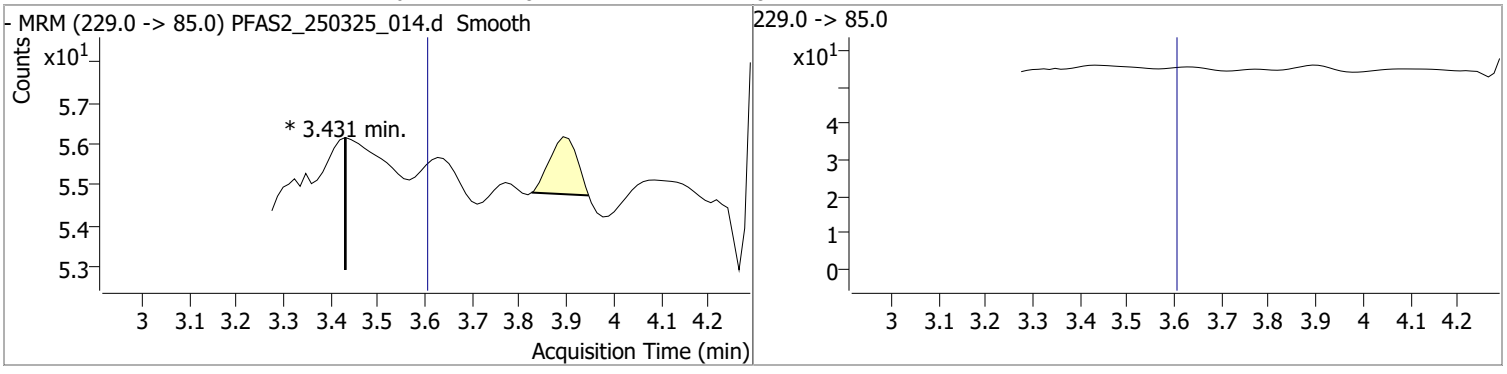
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112168				



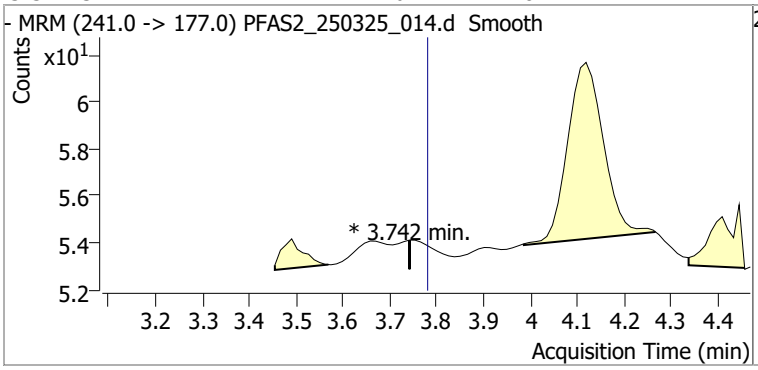
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

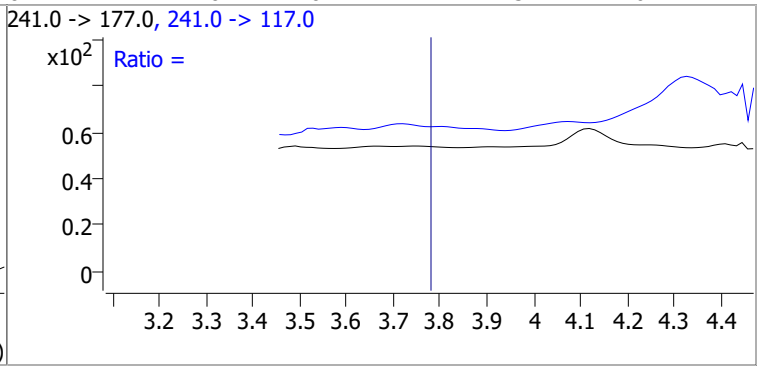


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

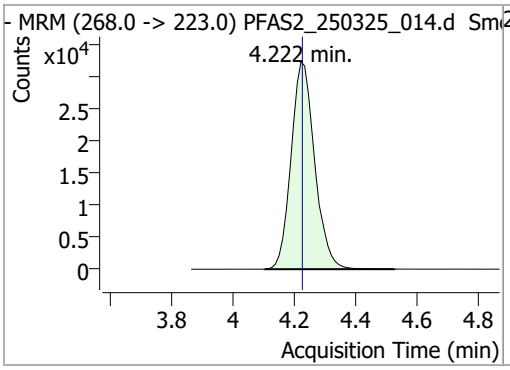


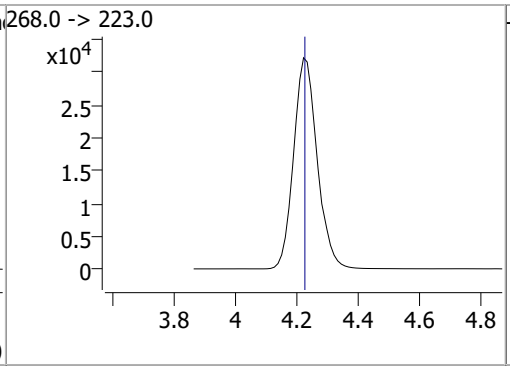
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

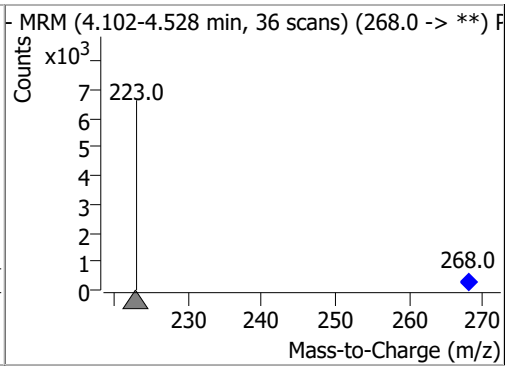




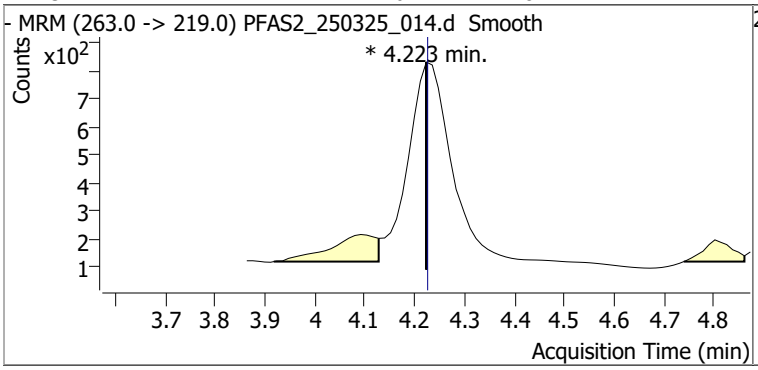
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8355	4.22	0.00	172074				

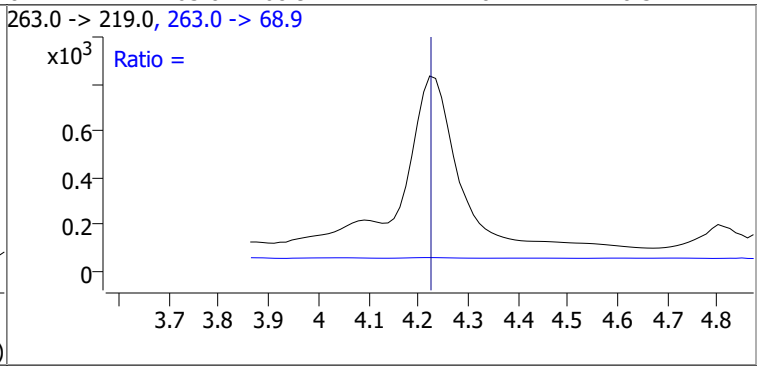




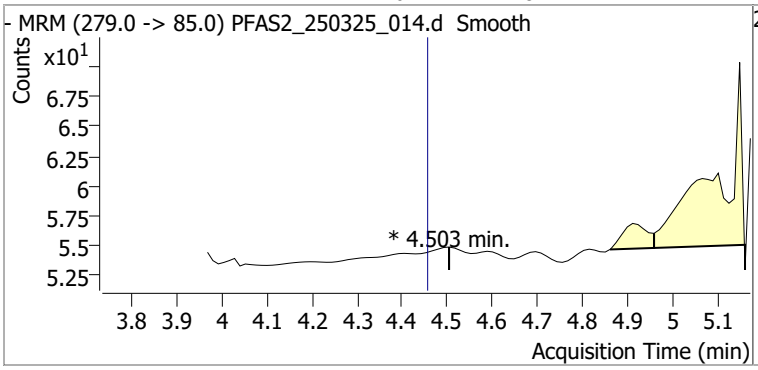


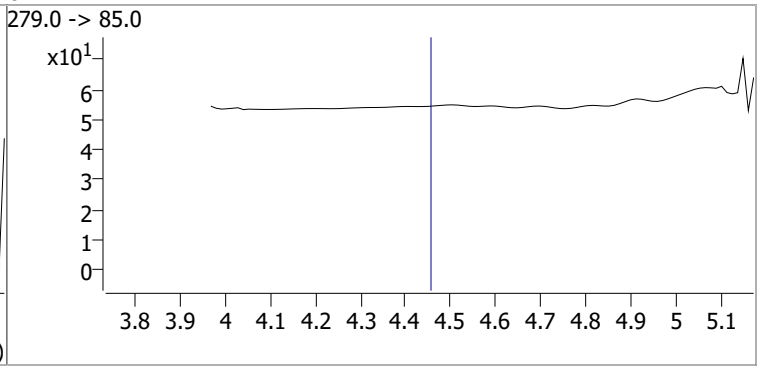
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



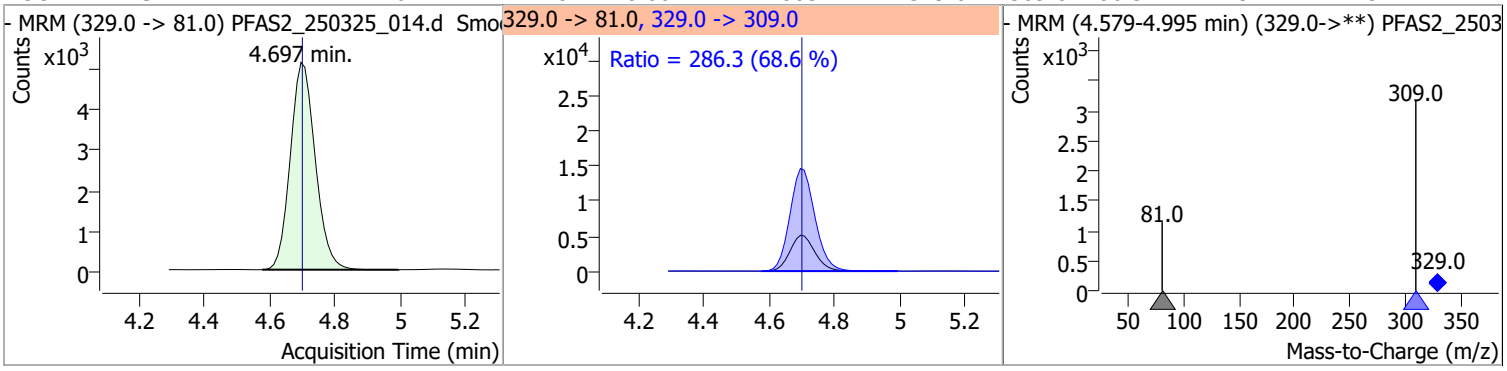


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

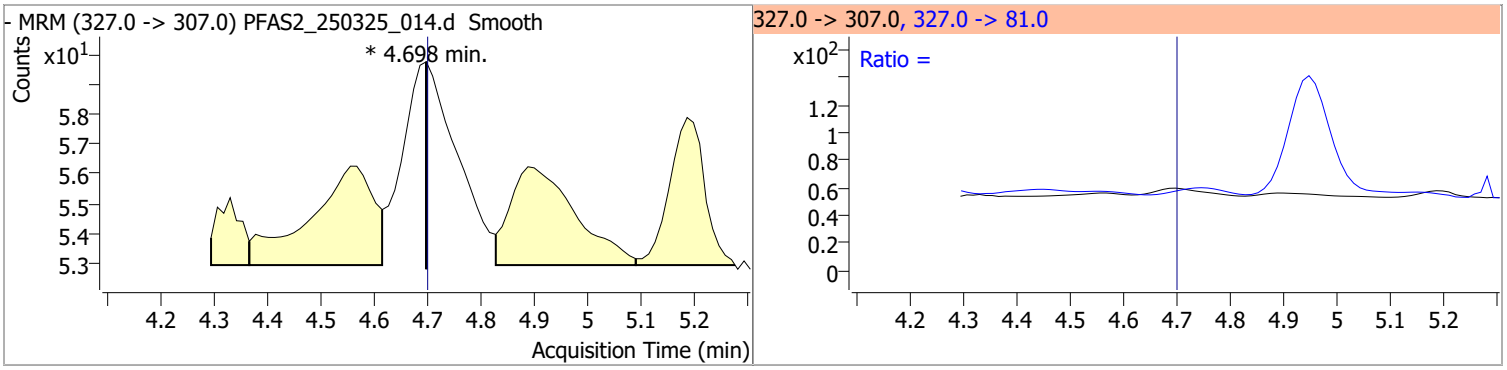




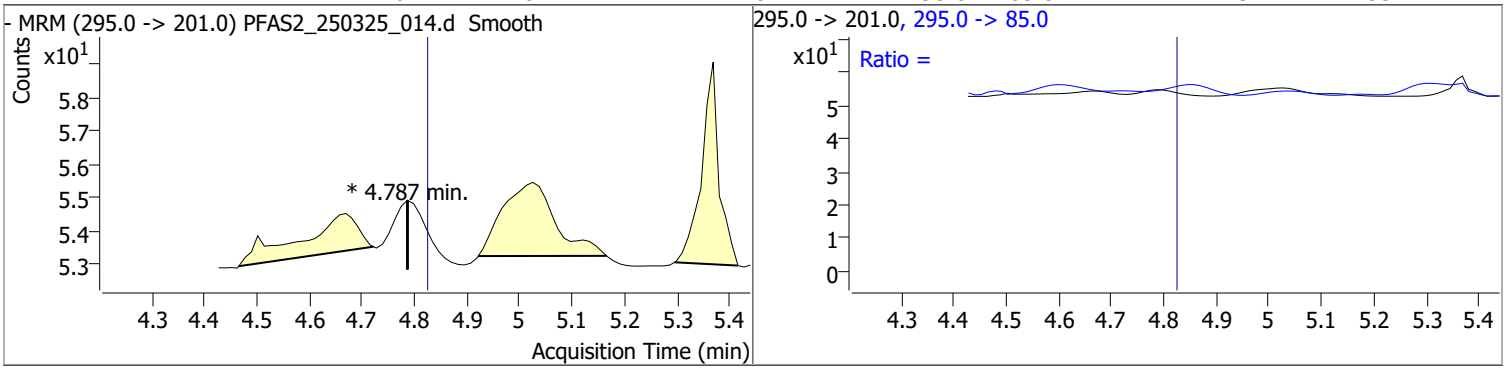
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2241	4.70	0.00	27003	329.0 -> 309.0	286.3	292.1	542.4



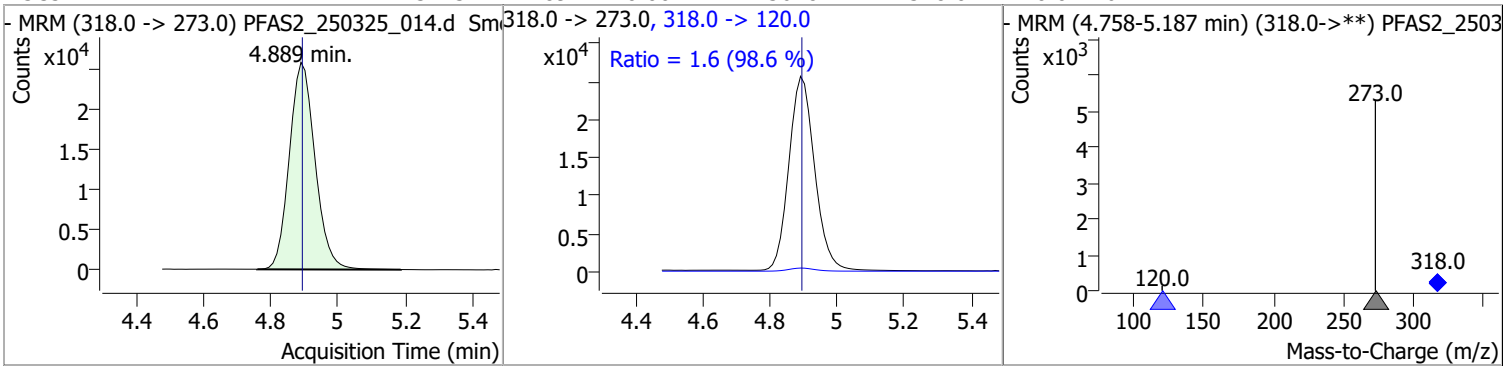
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



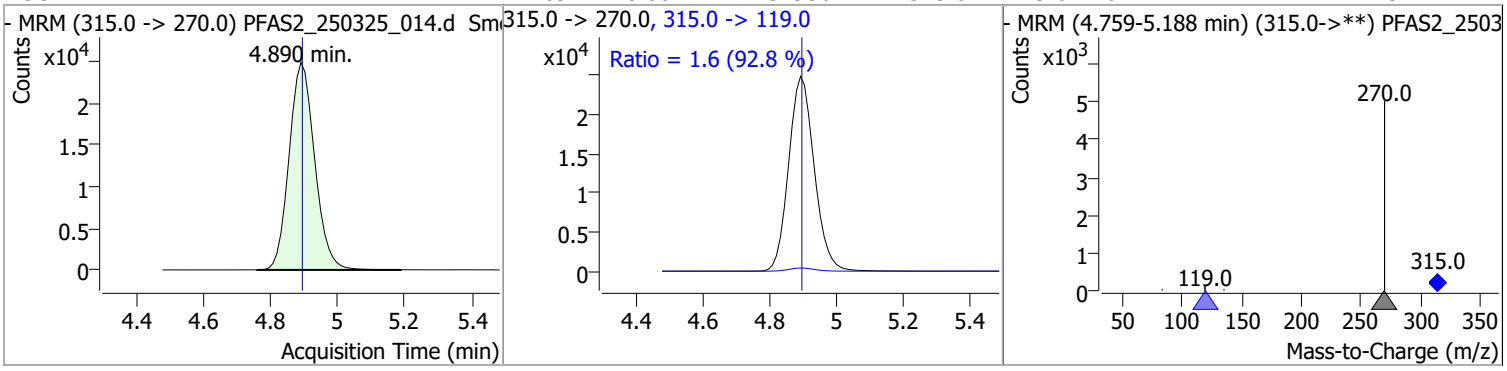
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



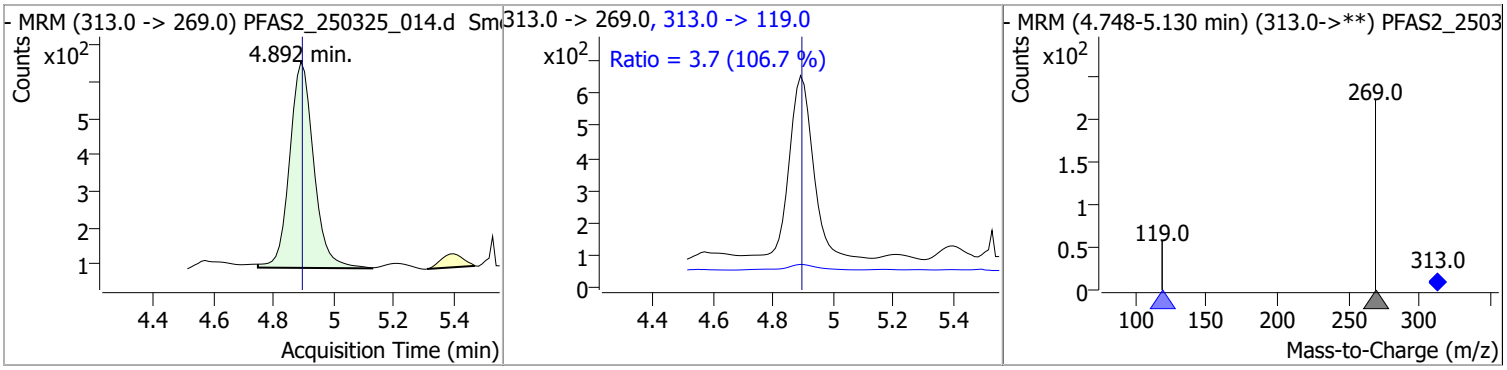
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3443	4.89	0.00	136184	318.0 -> 120.0	1.6	1.1	2.1



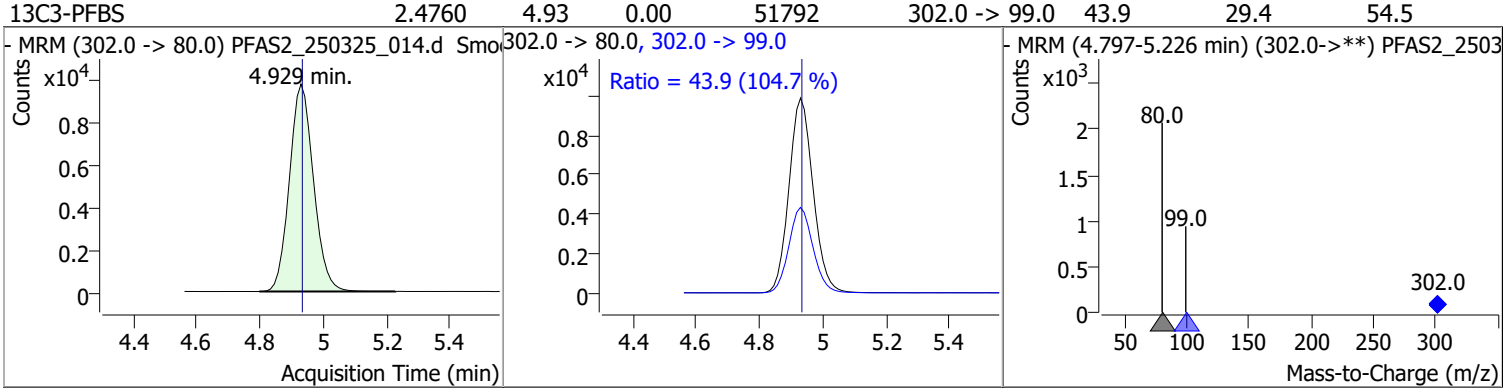
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	131936	315.0 -> 119.0	1.6	1.2	2.3



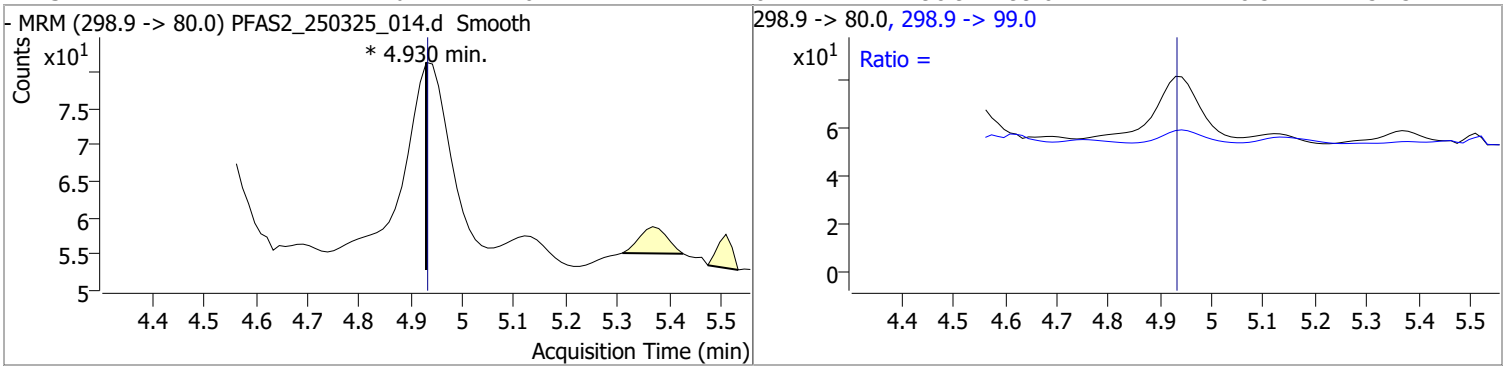
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0646	4.89	0.00	3149	313.0 -> 119.0	3.7	2.4	4.5



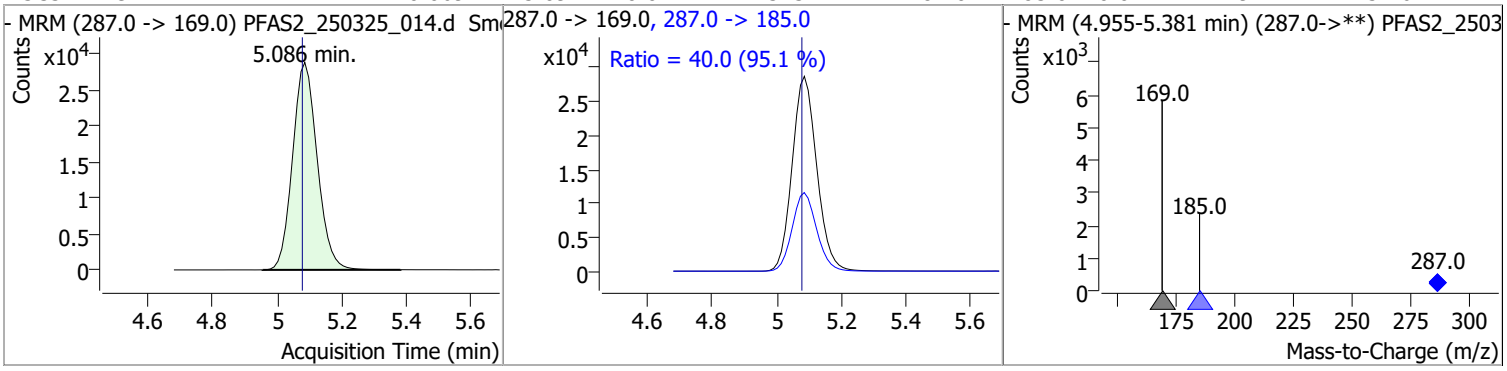
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4760	4.93	0.00	51792	302.0 -> 99.0	43.9	29.4	54.5



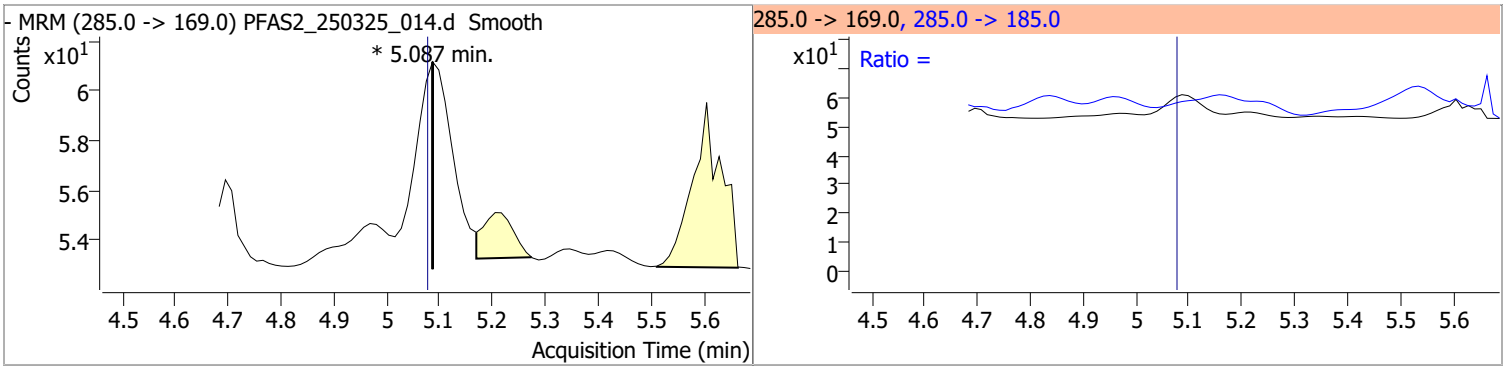
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



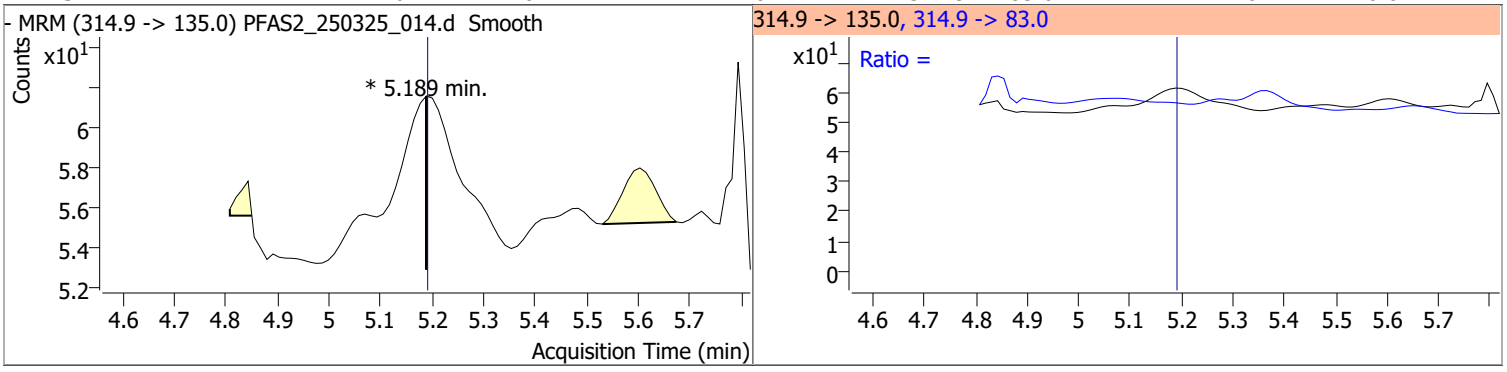
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0694	5.09	0.01	151341	287.0 -> 185.0	40.0	29.4	54.6



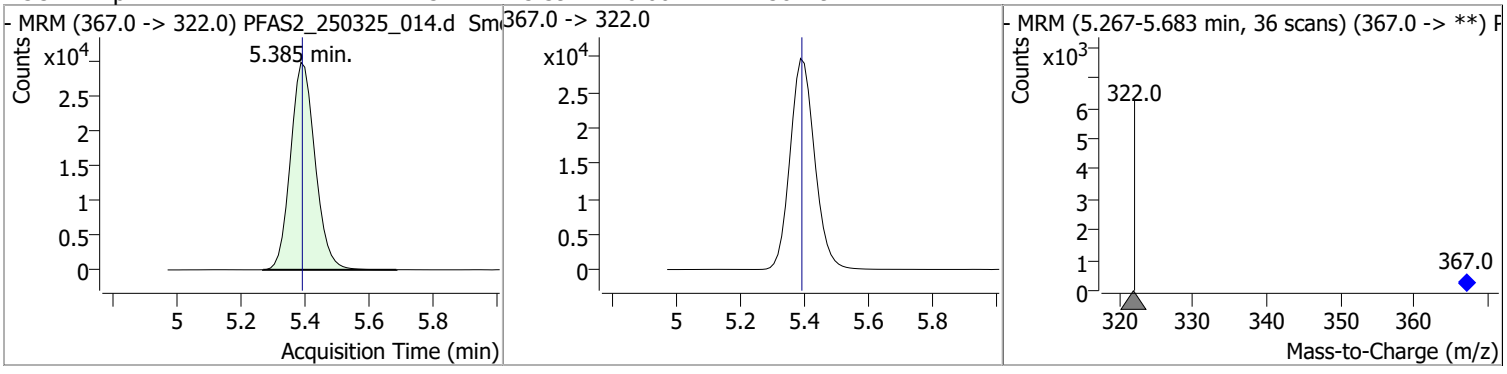
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



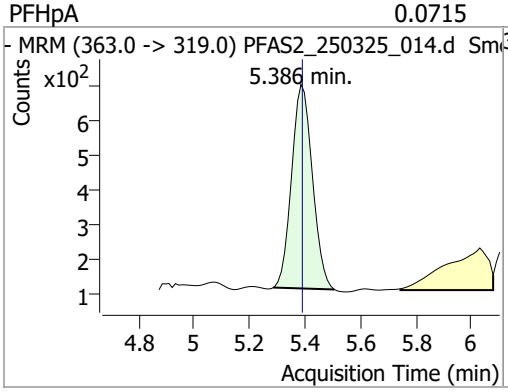
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

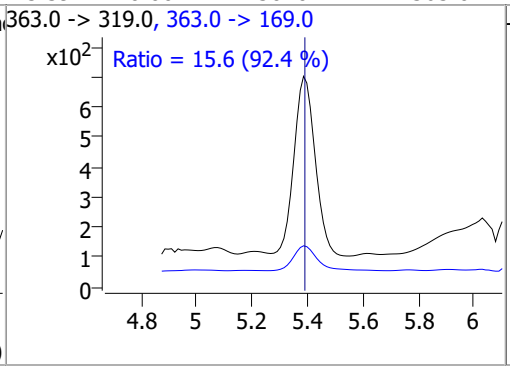


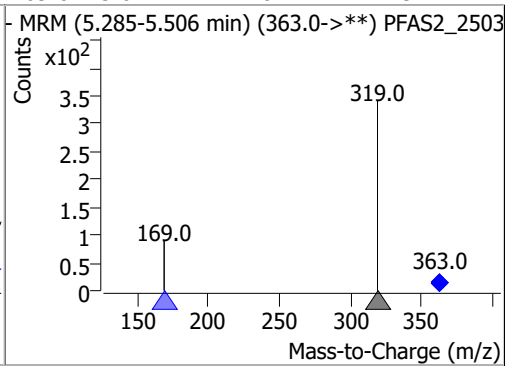
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4344	5.39	0.00	158119				



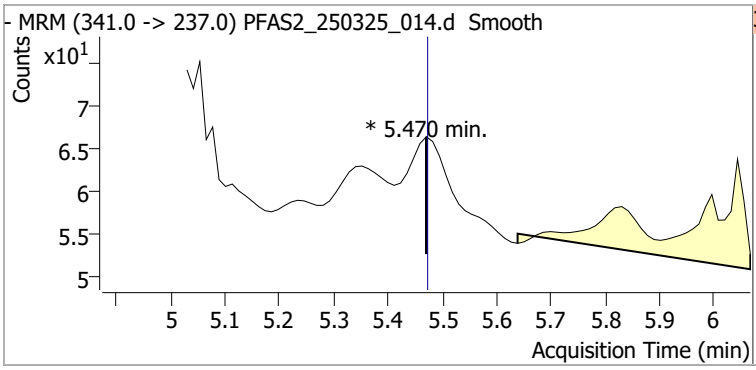
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0715	5.39	0.00	3070	363.0 -> 169.0	15.6	11.8	21.9

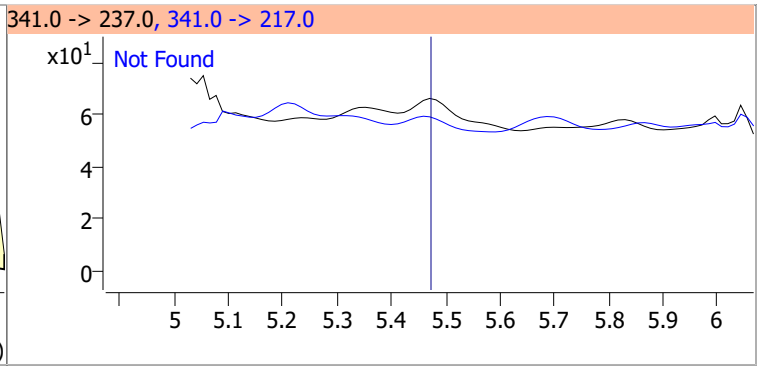




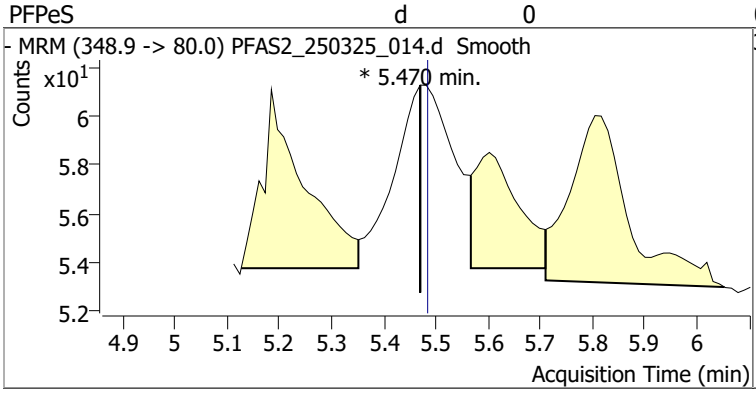


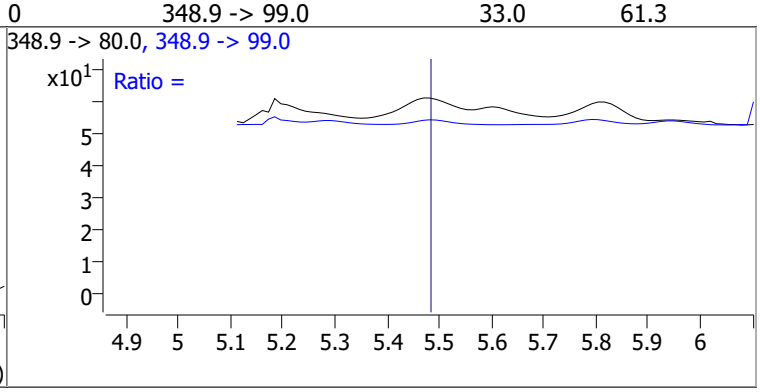
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



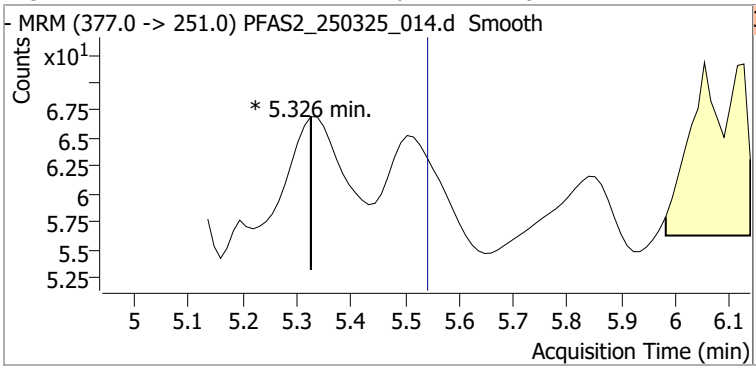


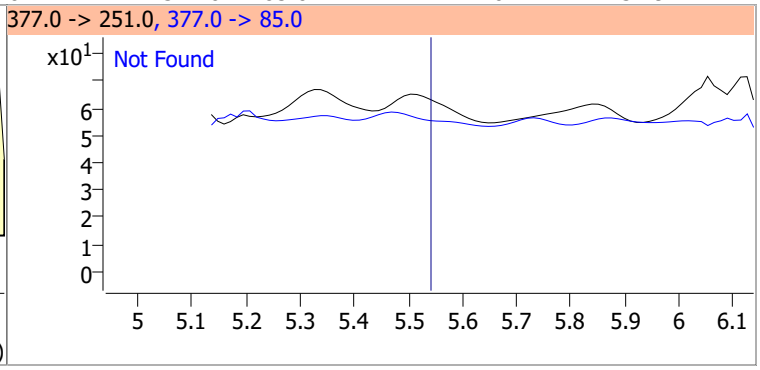
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



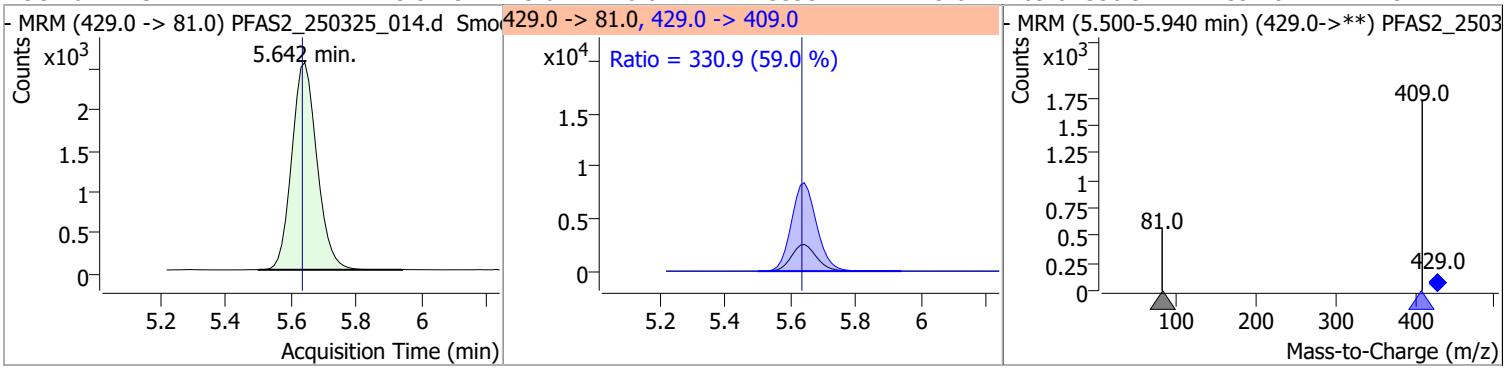


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

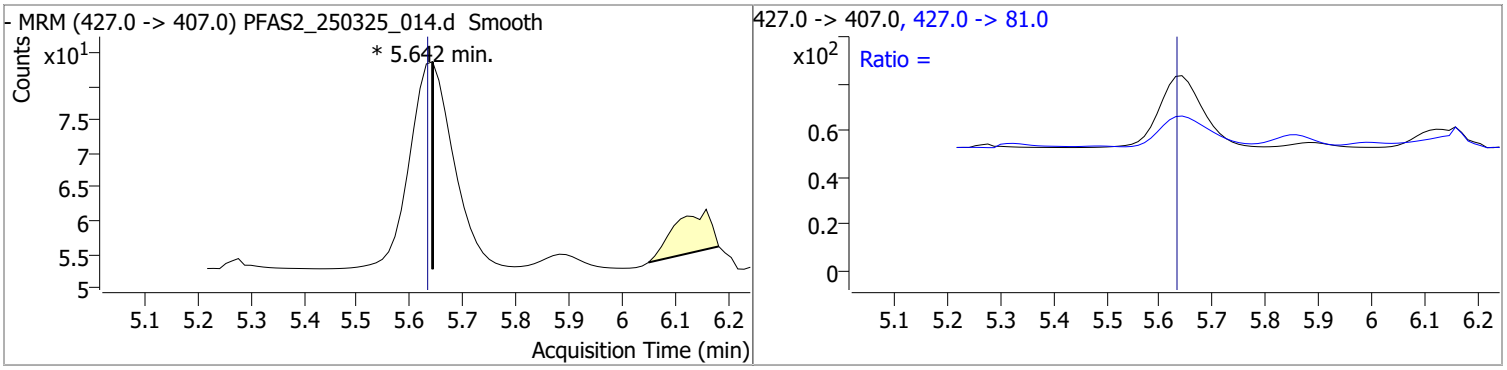




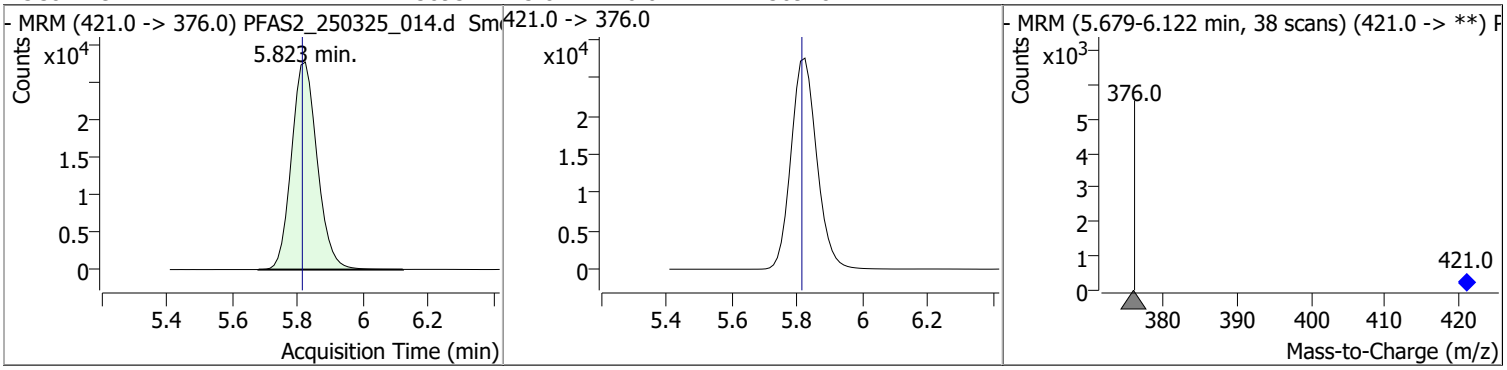
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3449	5.64	0.01	13595	429.0 -> 409.0	330.9	392.8	729.4



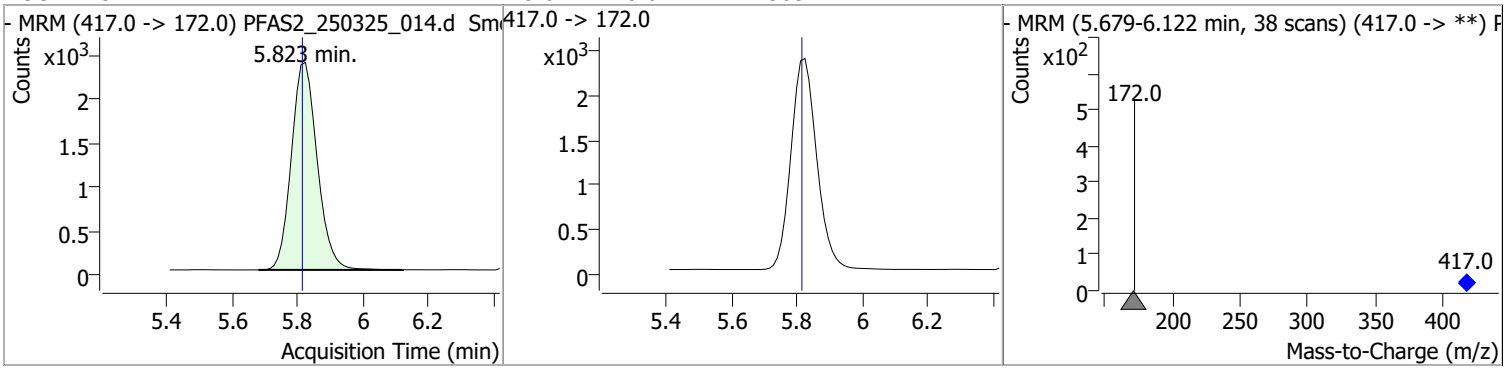
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



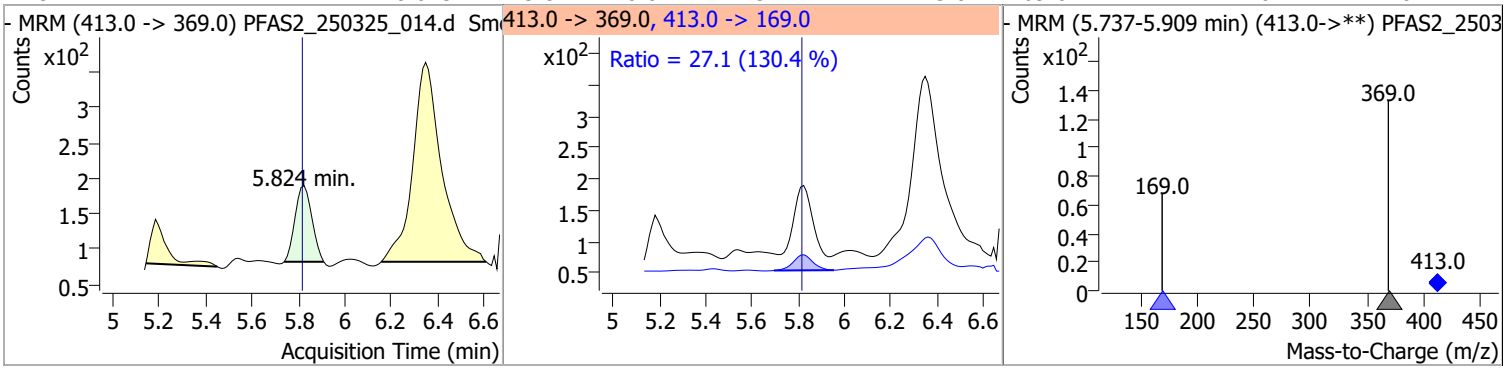
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5893	5.82	0.01	150928				



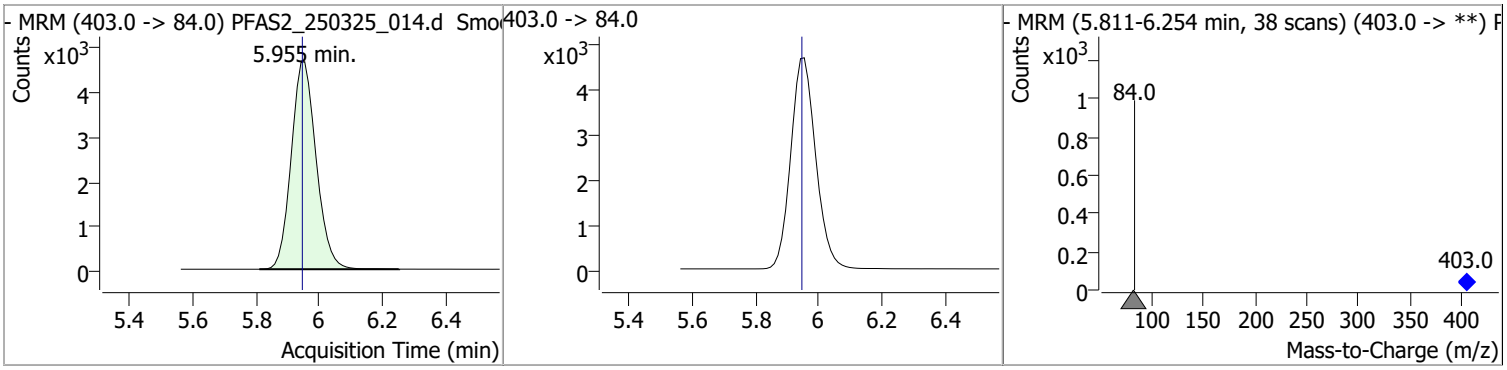
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13034				



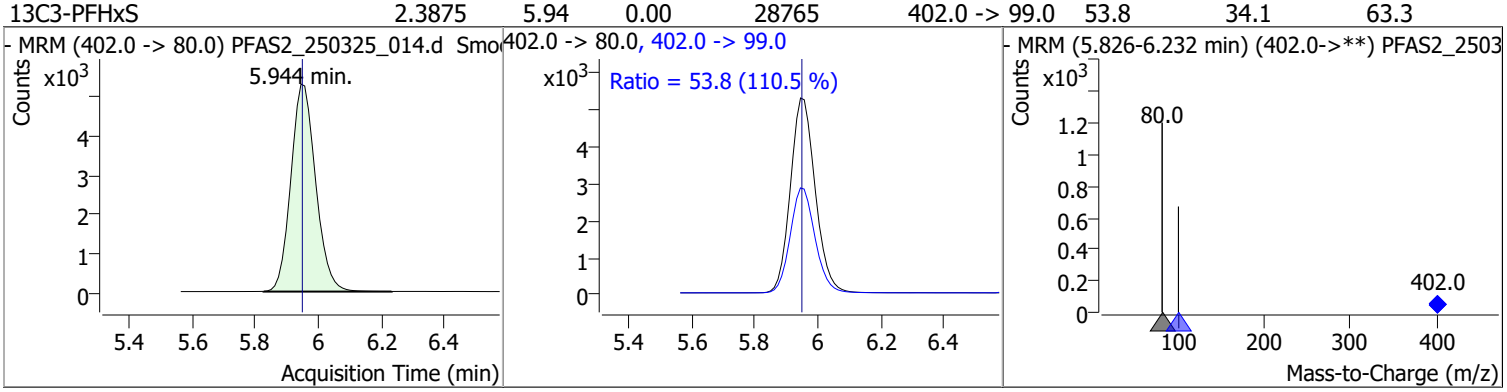
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0454	5.82	0.01	541	413.0 -> 169.0	27.1	14.6	27.0



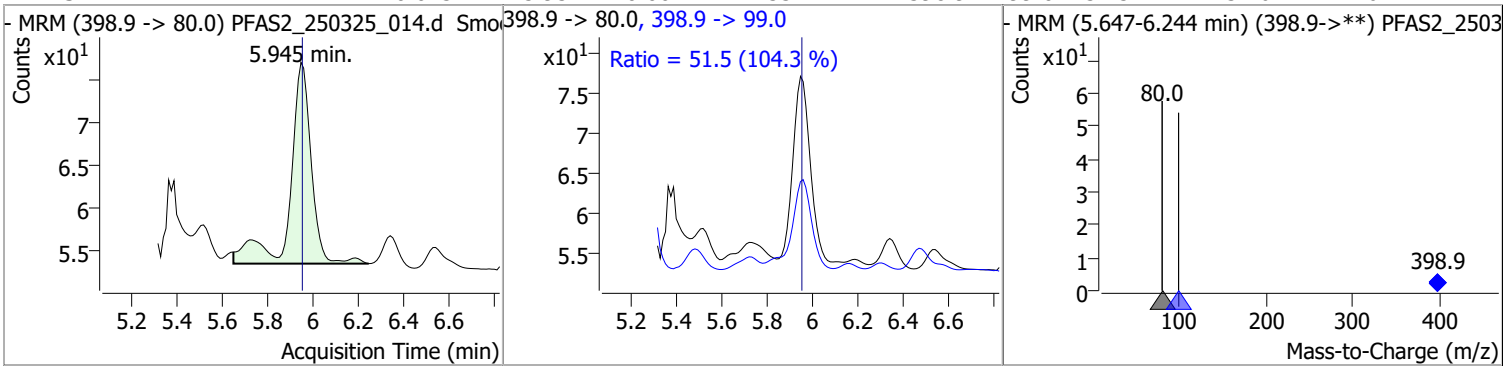
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	25544				



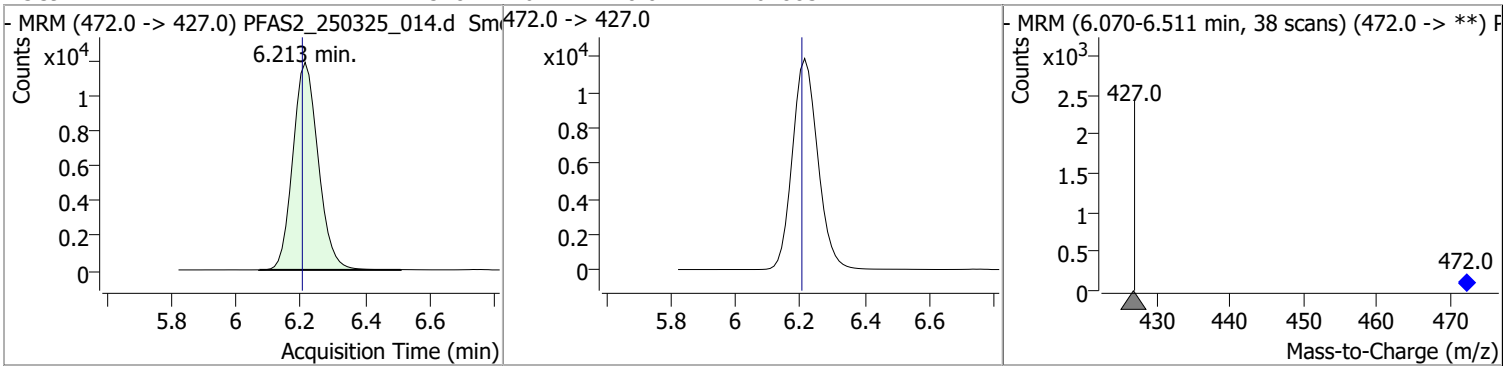
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3875	5.94	0.00	28765	402.0 -> 99.0	53.8	34.1	63.3



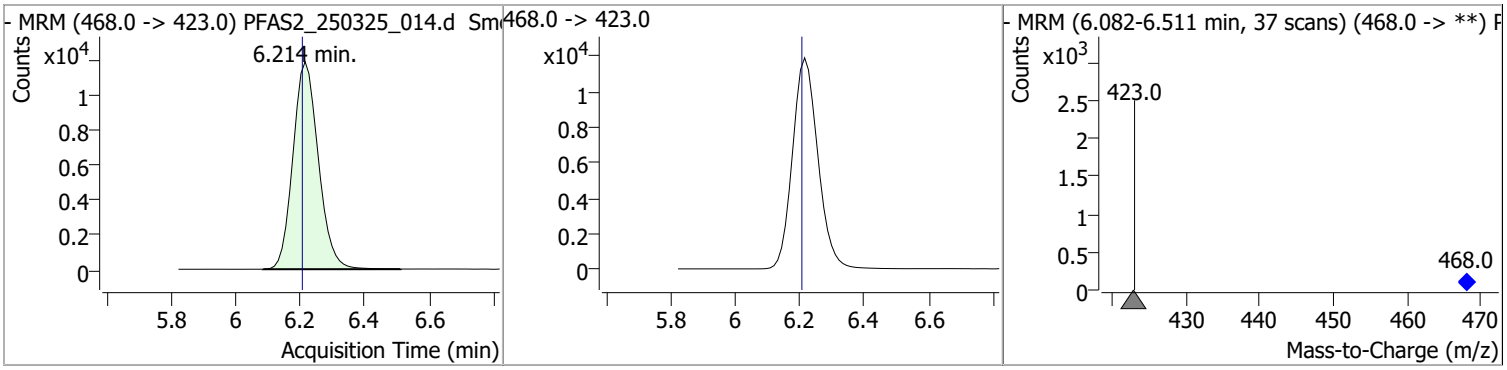
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0137	5.95	0.00	153	398.9 -> 99.0	51.5	34.6	64.2



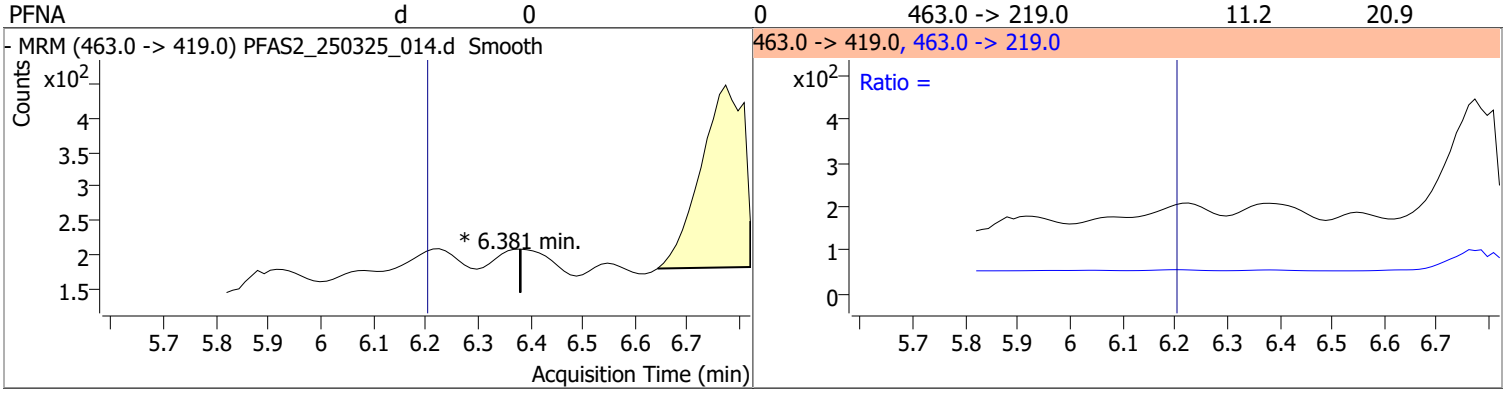
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2578	6.21	0.01	64883				



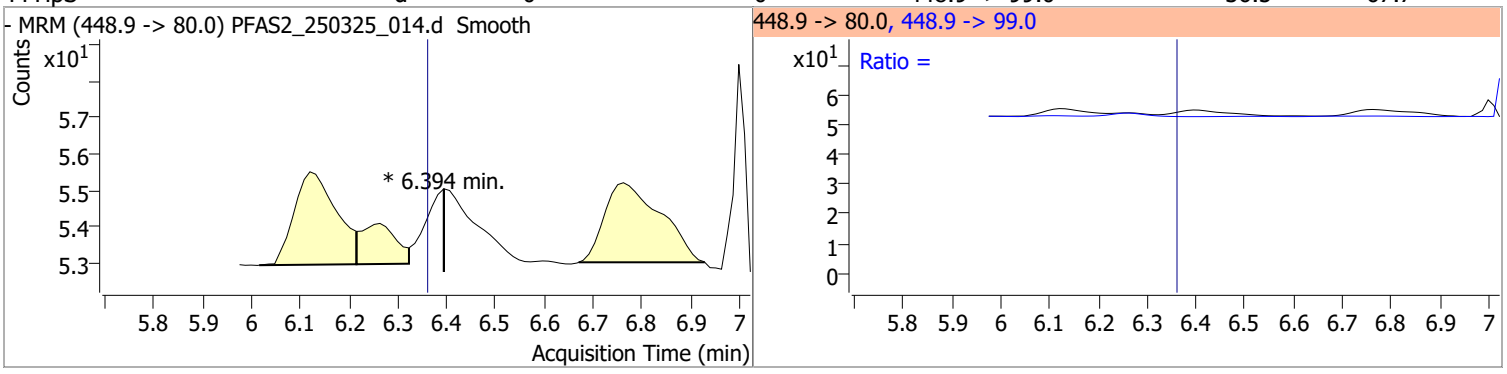
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	65102				



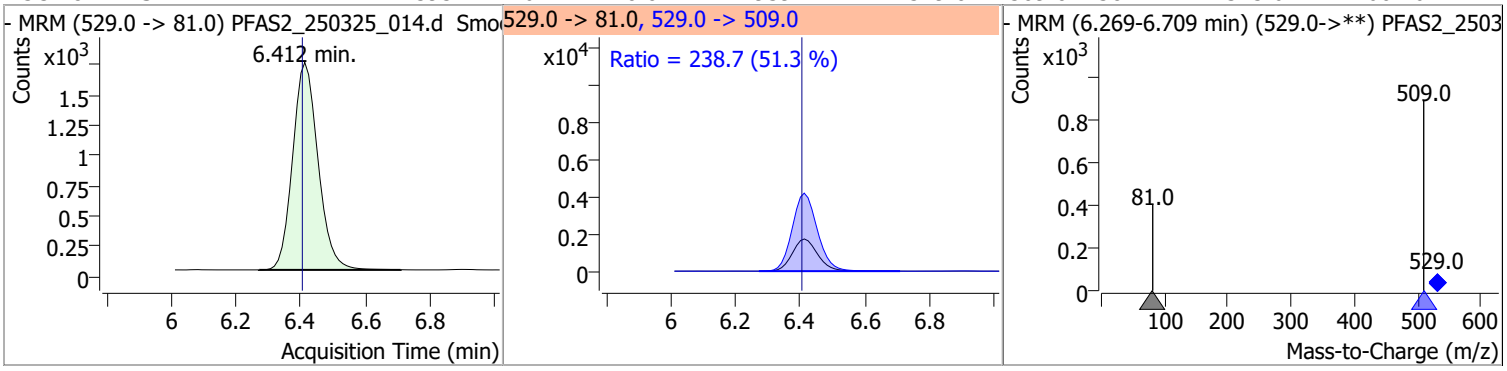
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



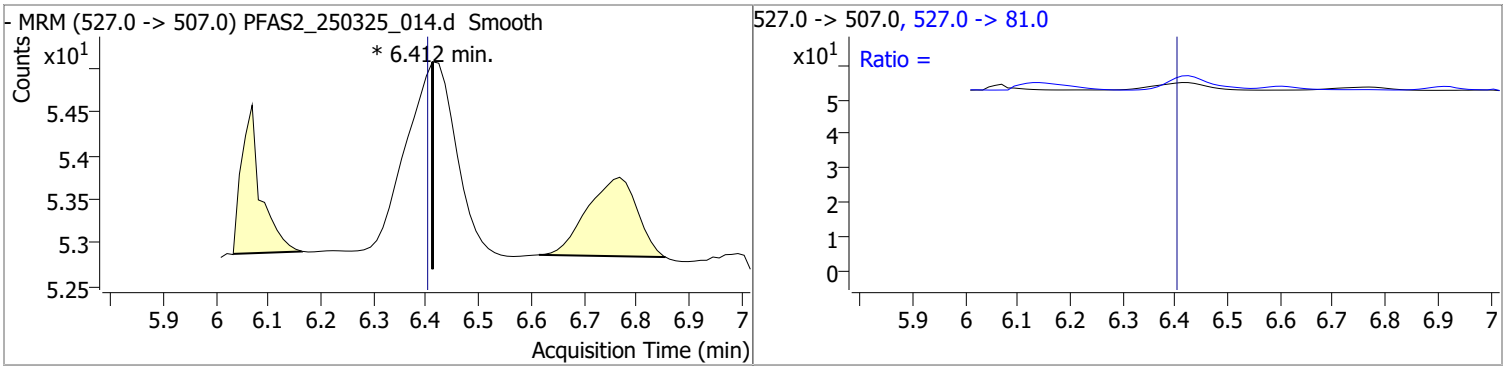
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



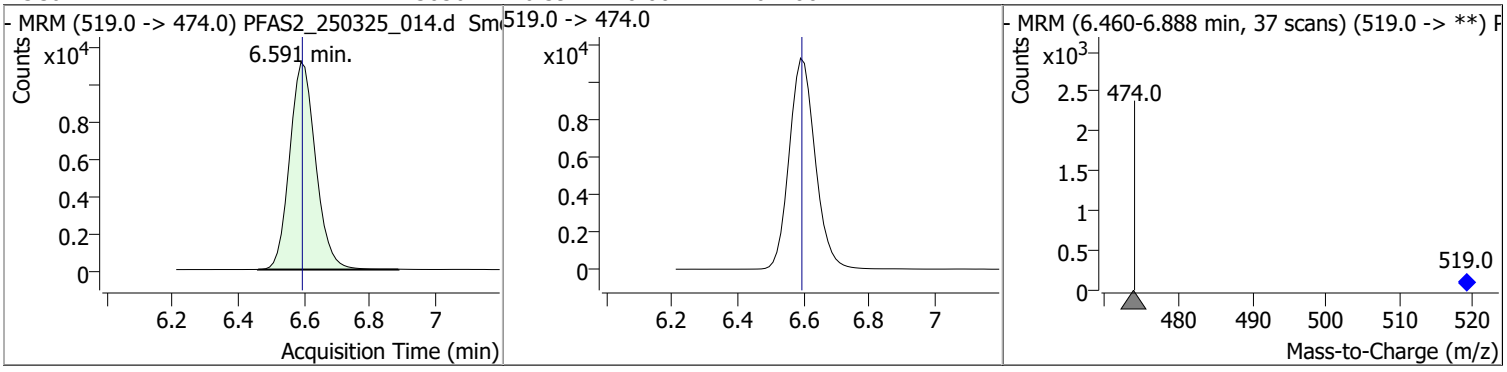
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5952	6.41	0.01	9397	529.0 -> 509.0	238.7	325.6	604.6



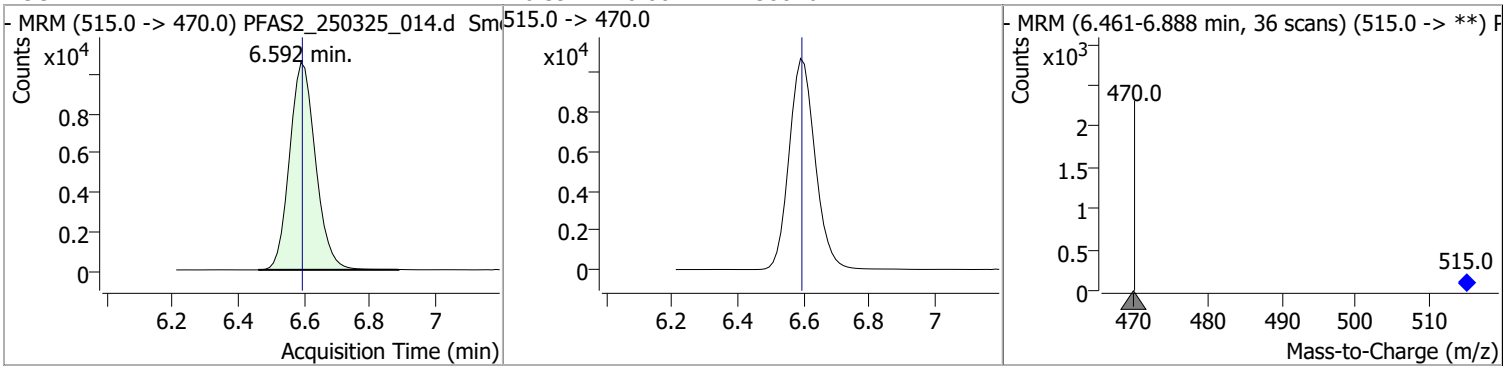
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



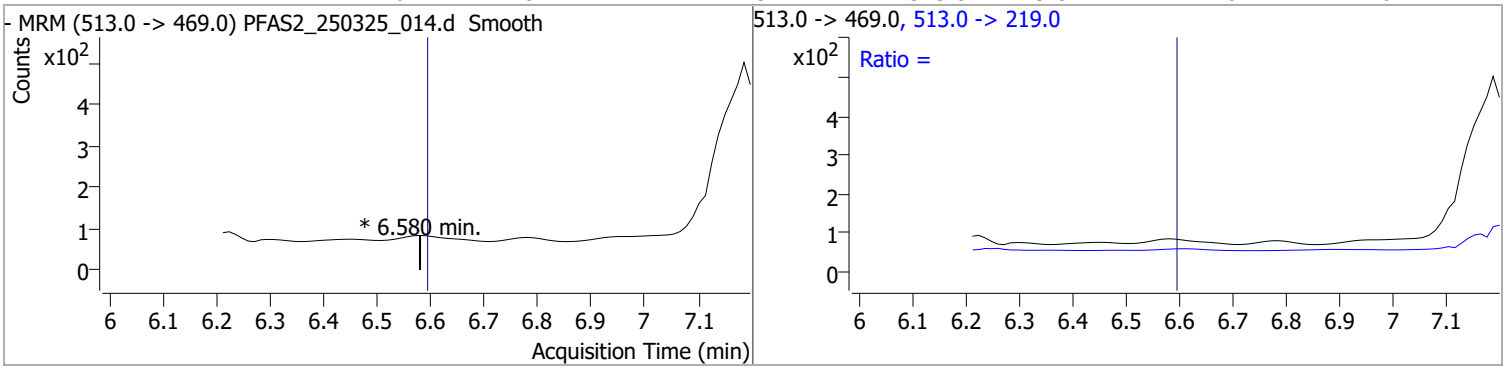
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3056	6.59	0.00	61700				



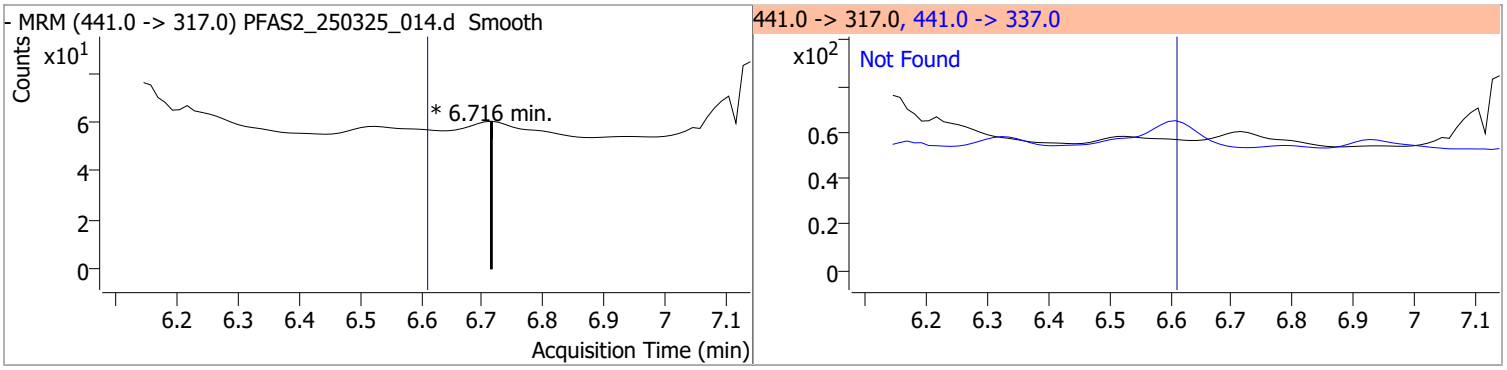
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	58076				



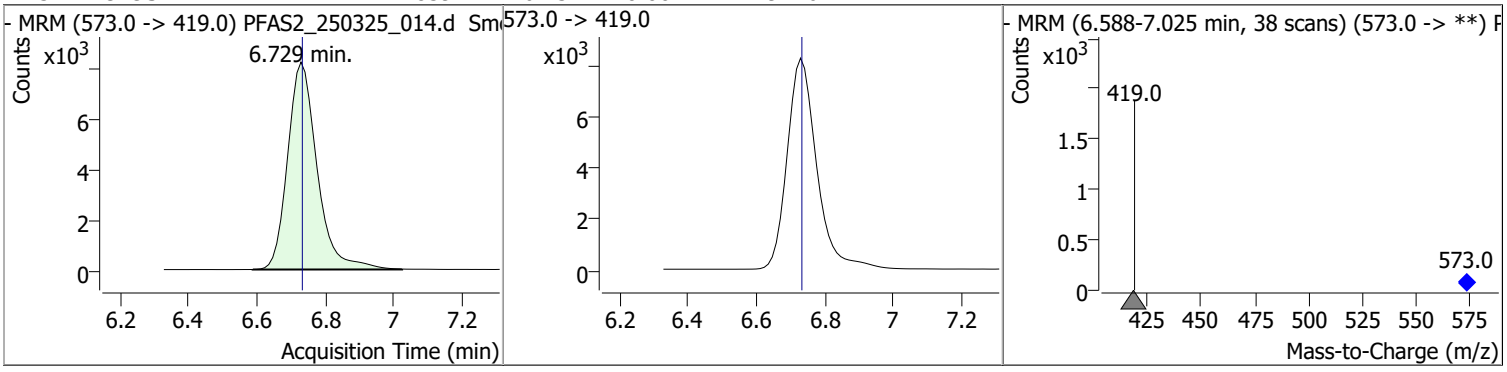
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



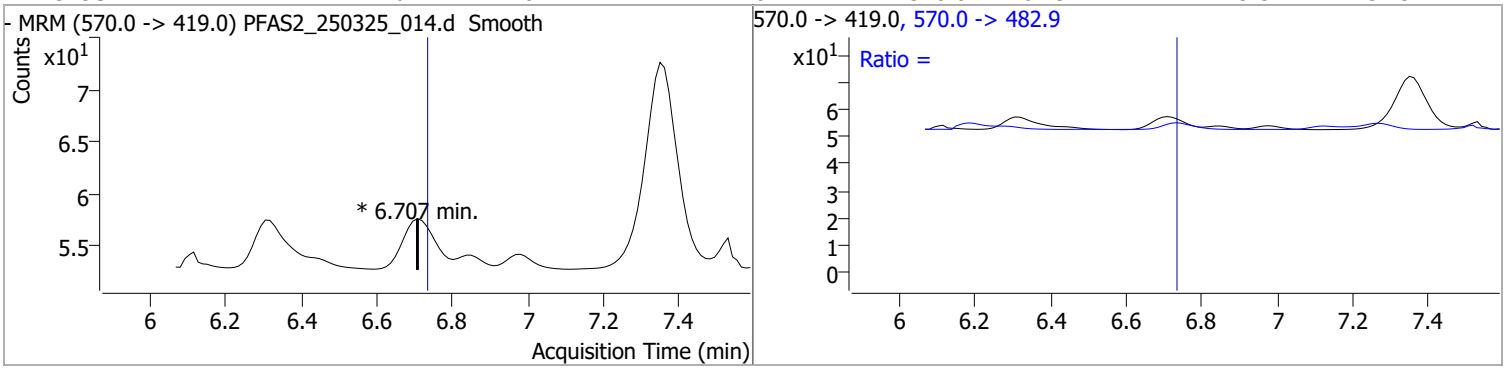
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



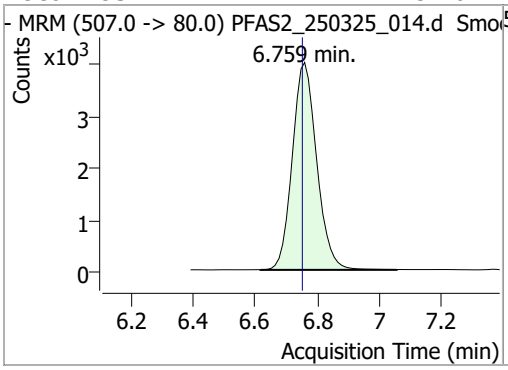
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8391	6.73	0.00	49146				

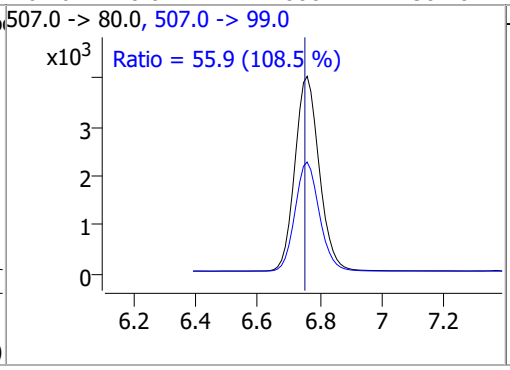


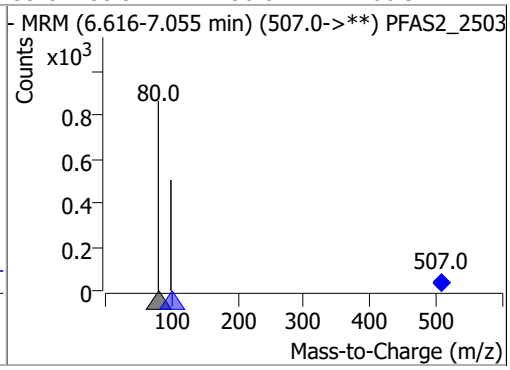
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



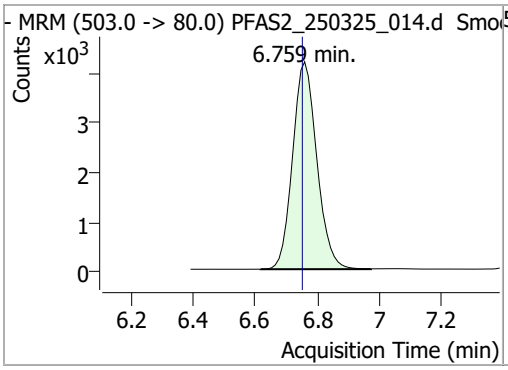
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3740	6.76	0.01	21808	507.0 -> 99.0	55.9	36.0	66.9

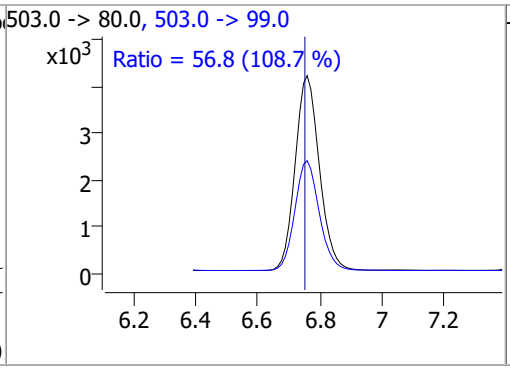


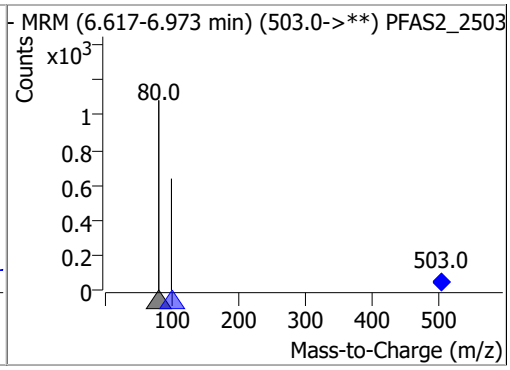




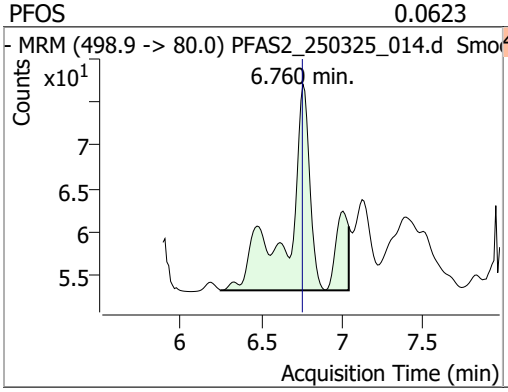
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	22635	503.0 -> 99.0	56.8	36.6	67.9

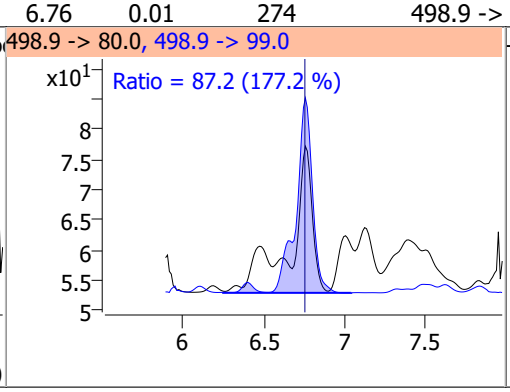


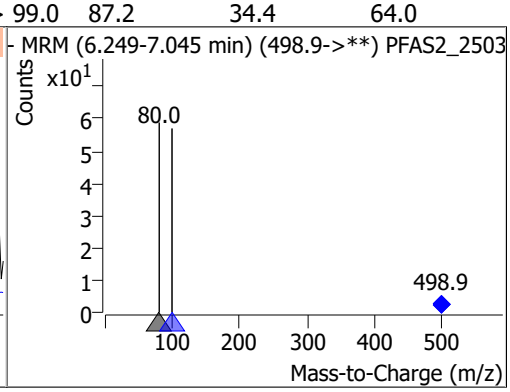




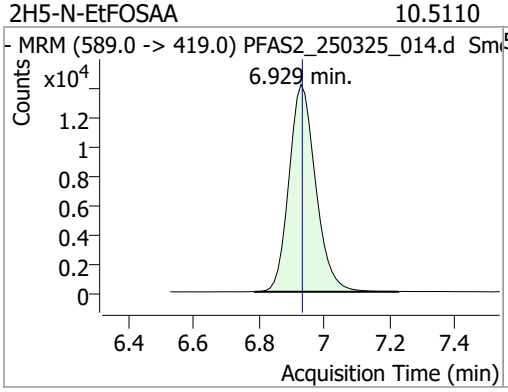
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0623	6.76	0.01	274	498.9 -> 99.0	87.2	34.4	64.0

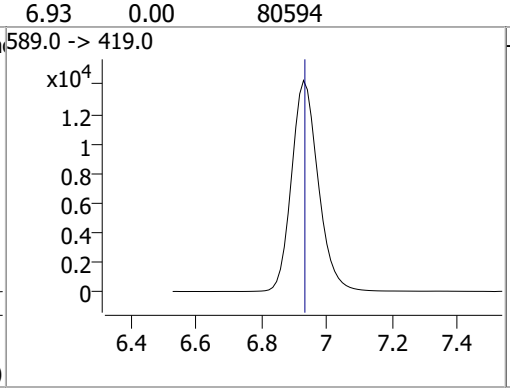


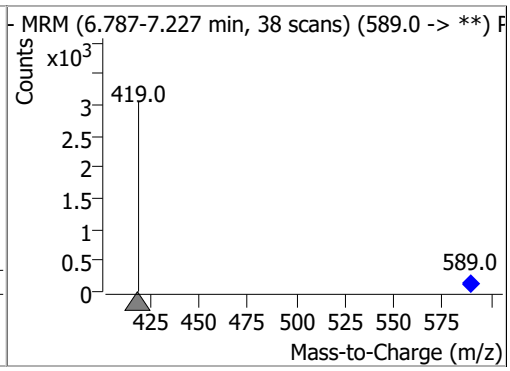




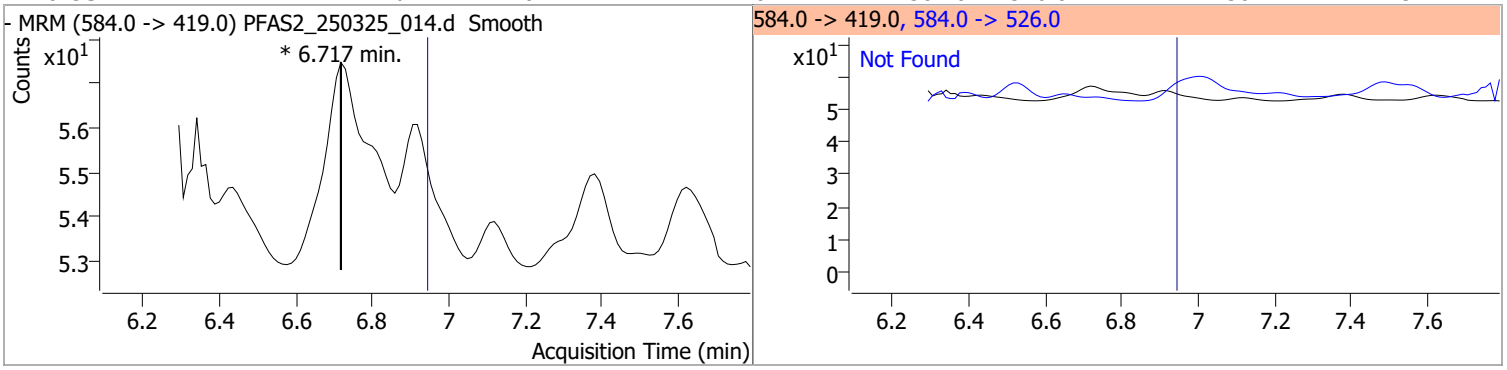
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	10.5110	6.93	0.00	80594				



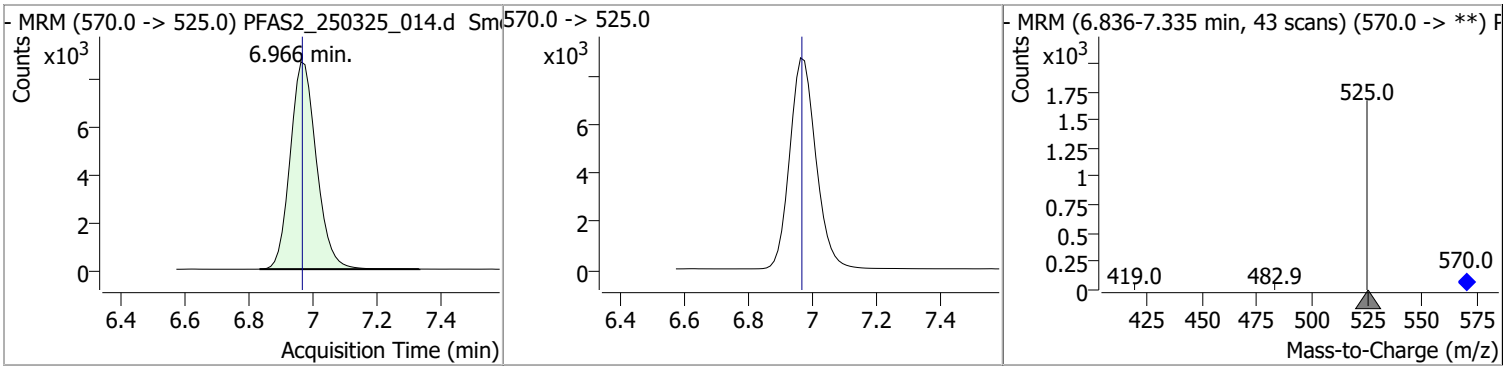




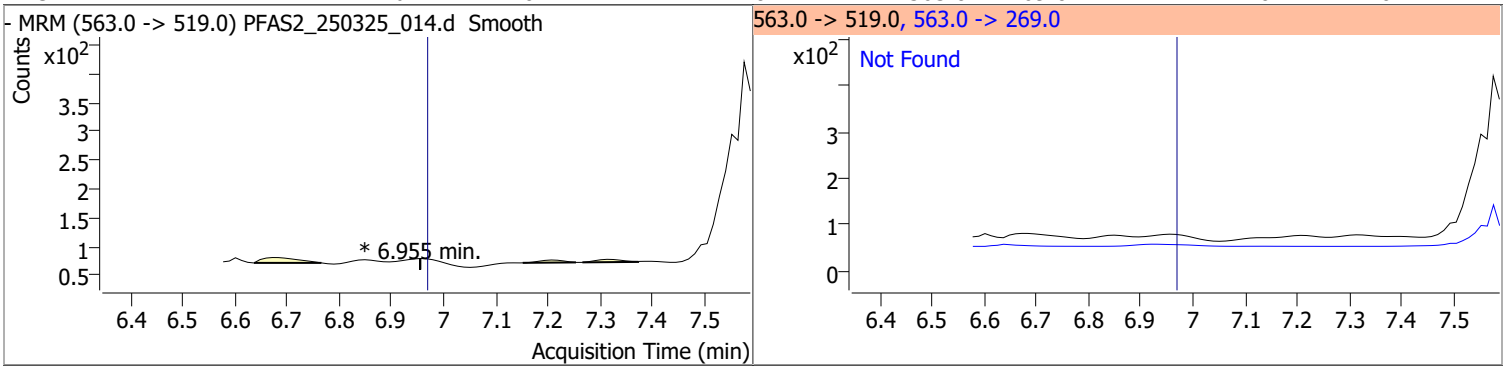
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



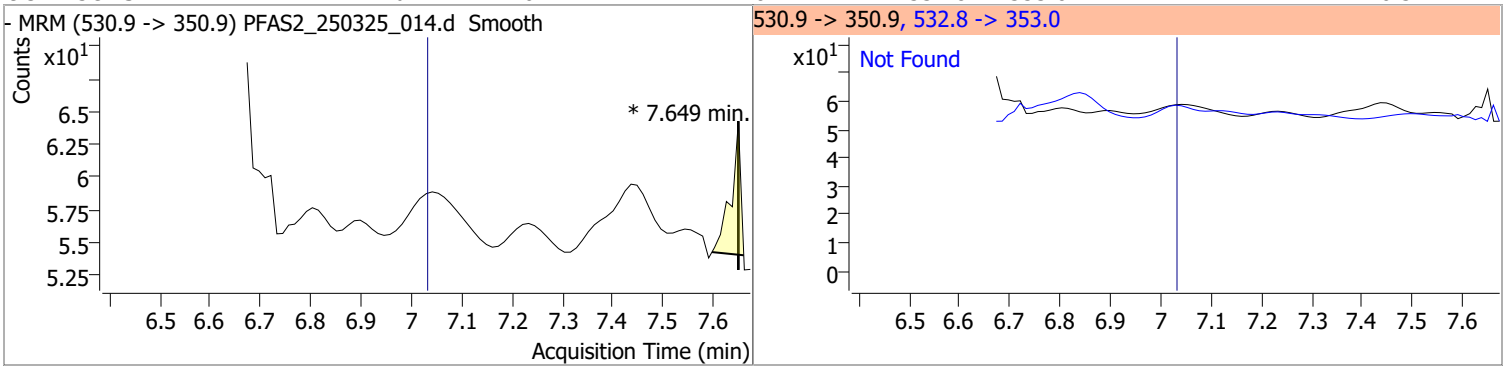
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3311	6.97	0.00	49575				



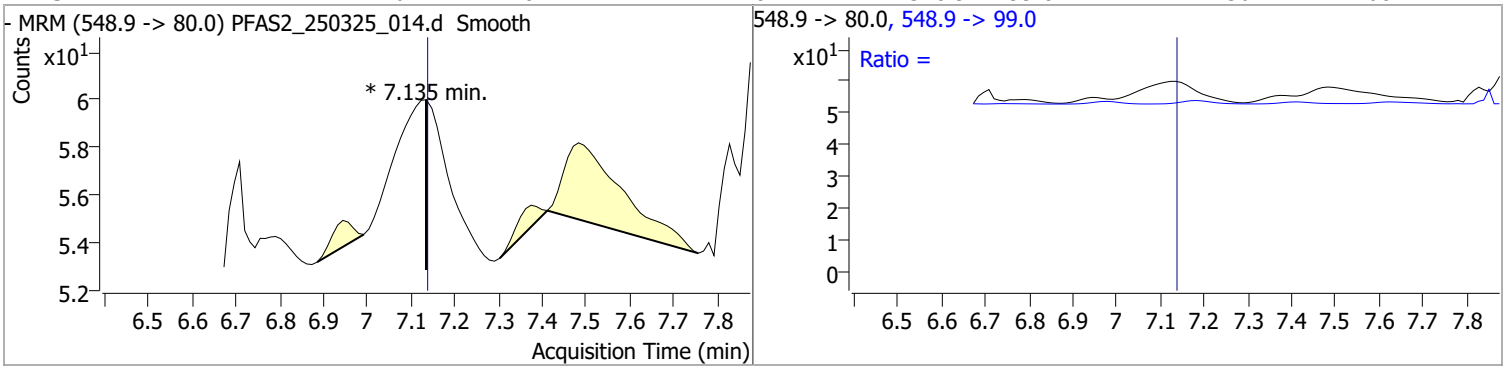
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



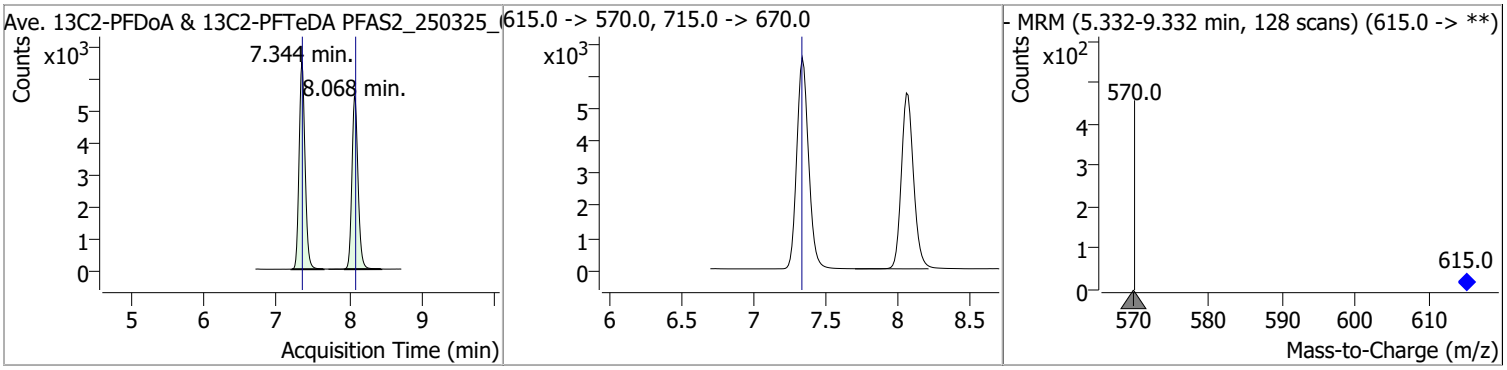
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



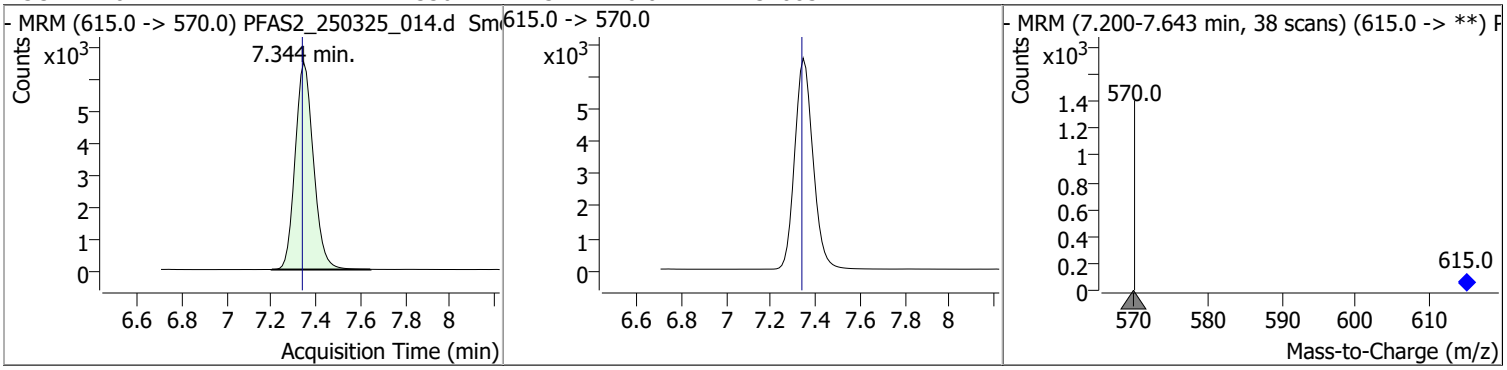
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



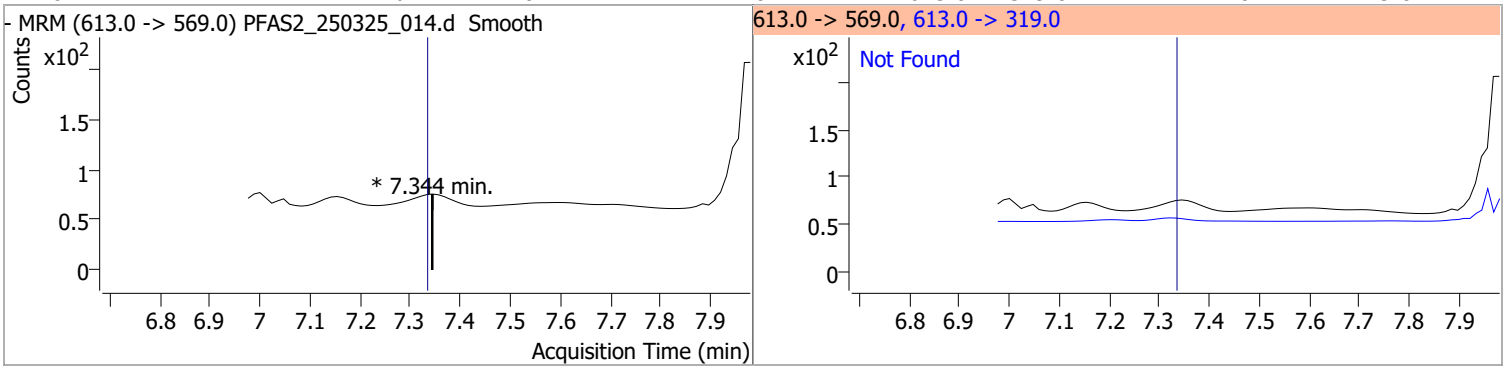
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1272	7.71	0.37	34603				



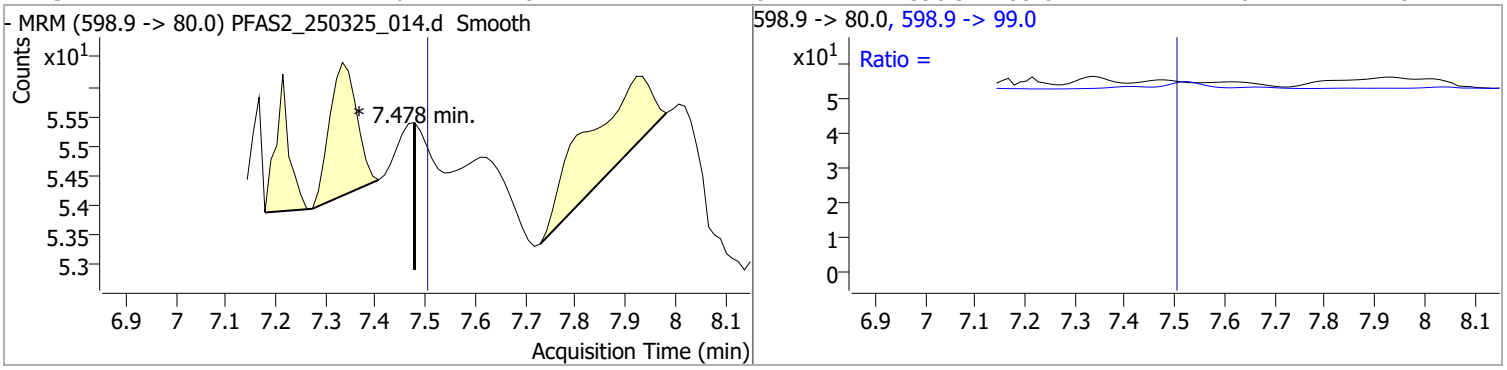
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3364	7.34	0.01	37083				



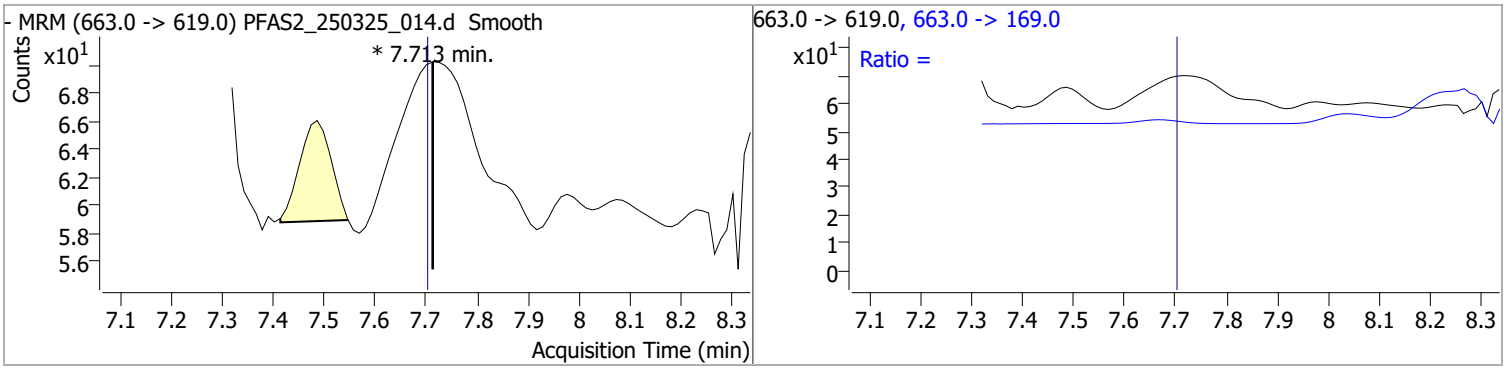
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



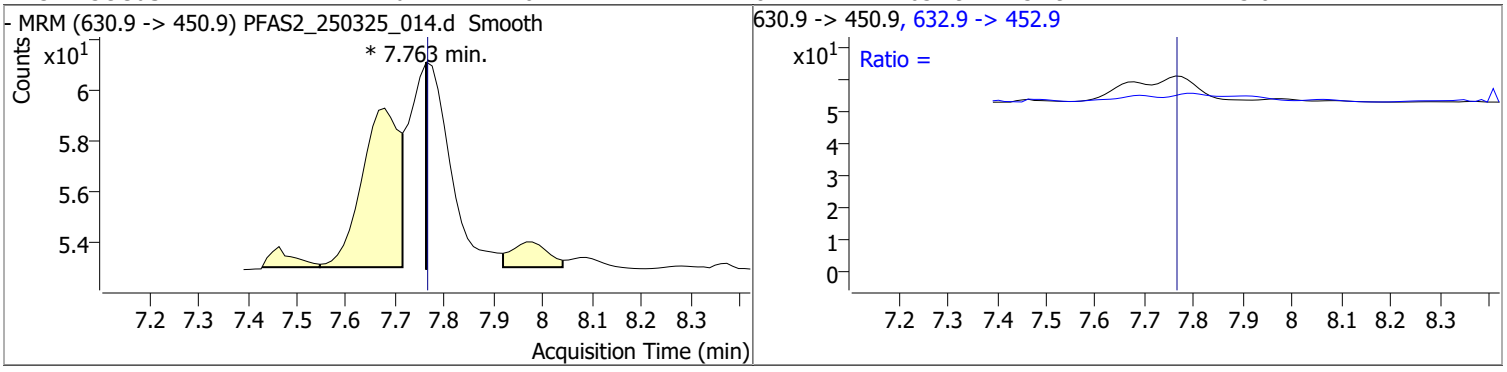
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



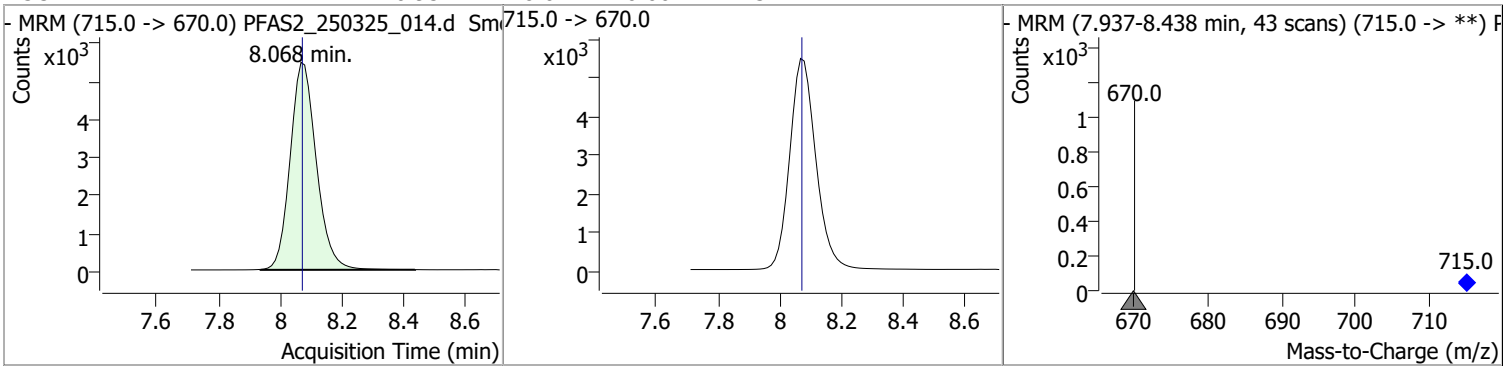
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



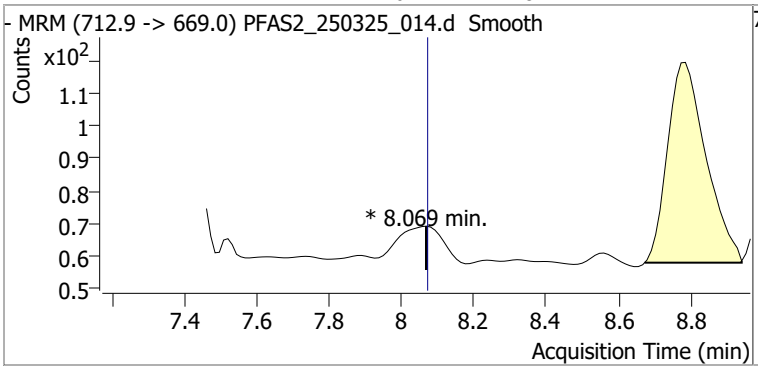
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

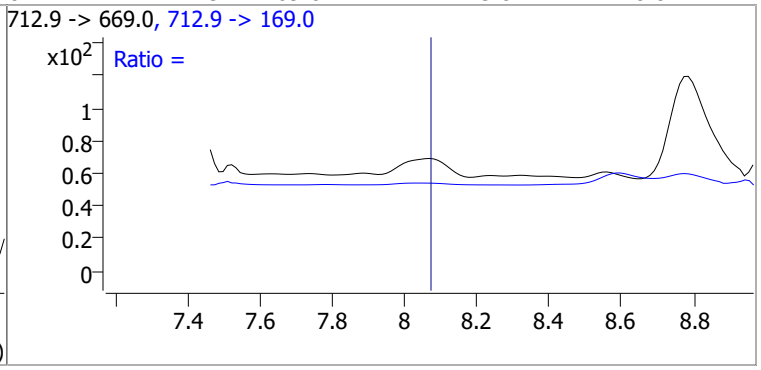


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9547	8.07	0.00	32124				

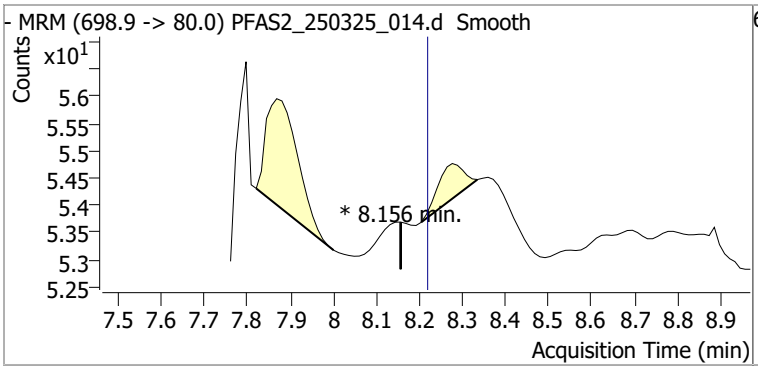


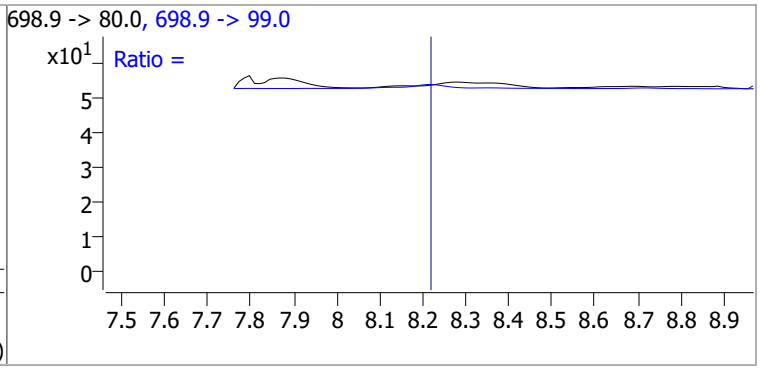
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



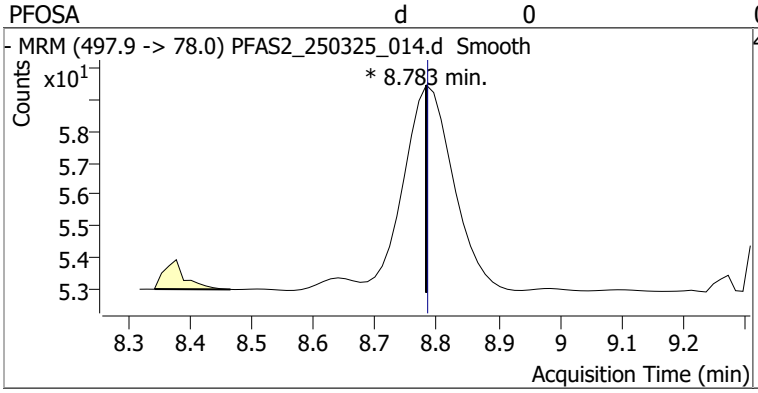


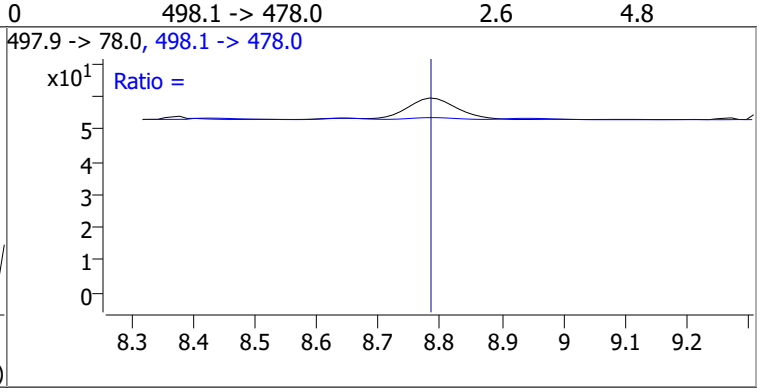
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



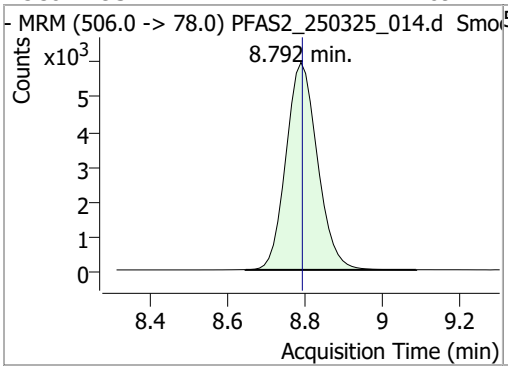


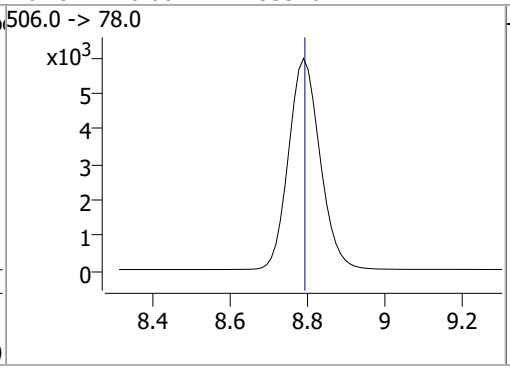
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

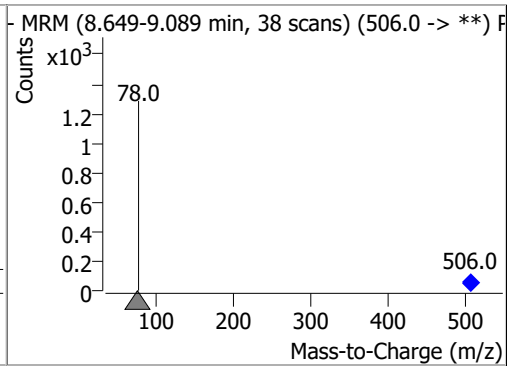




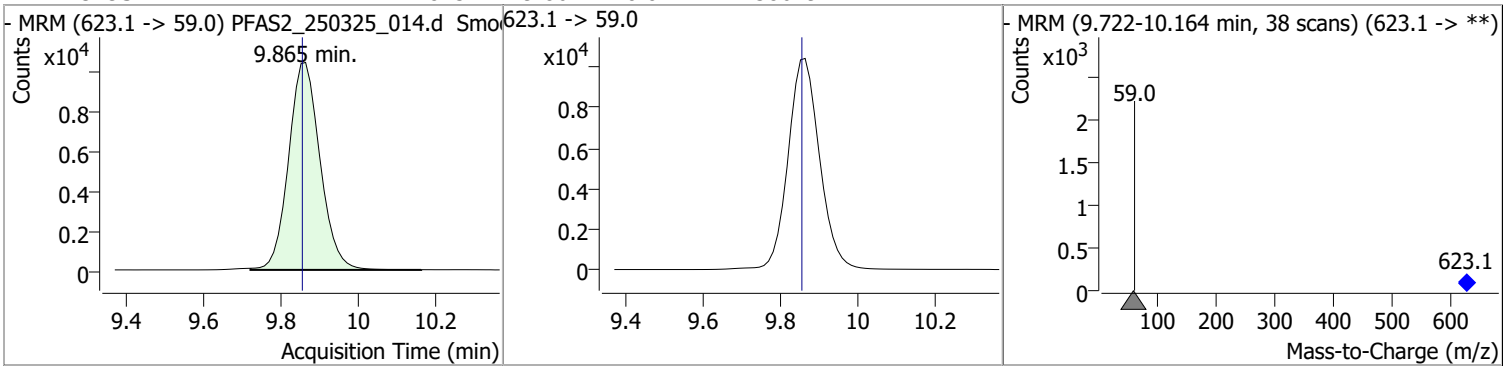
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4897	8.79	0.00	33516				



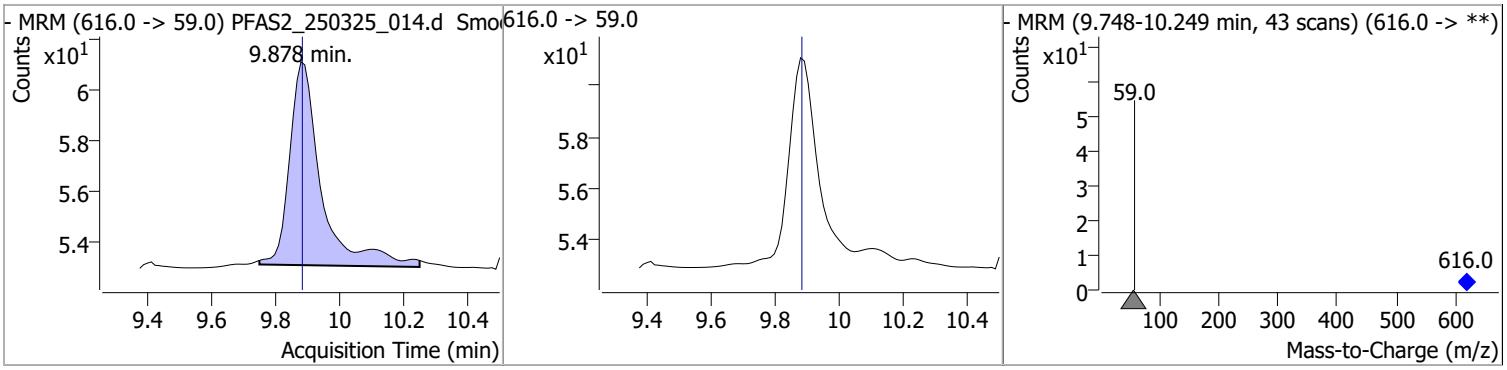




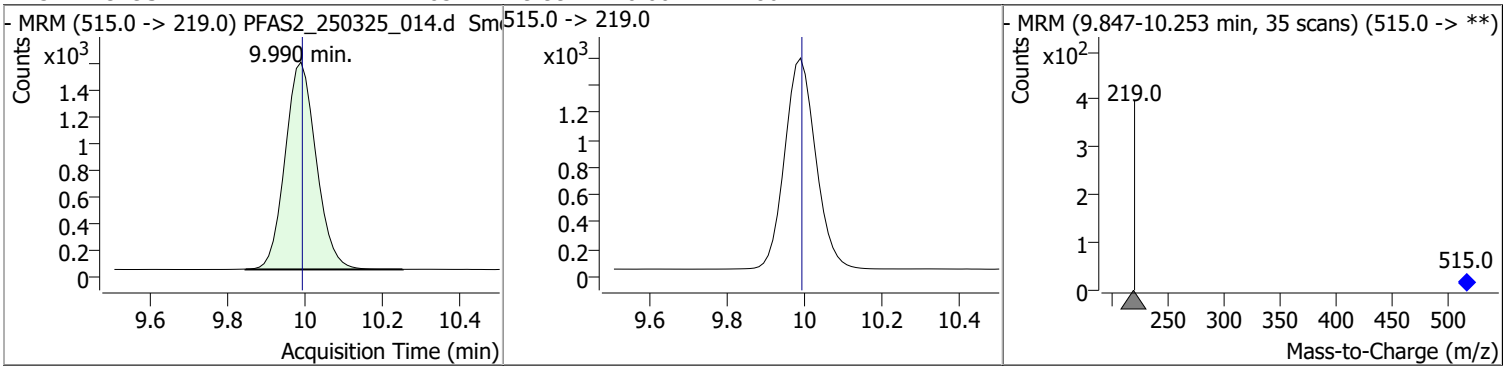
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.8454	9.86	0.01	58619				



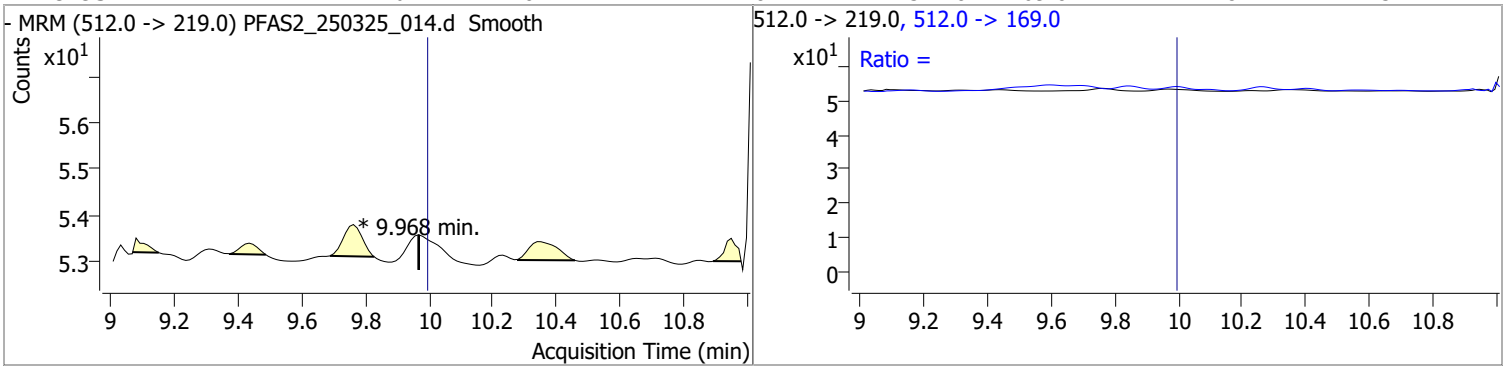
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	55				



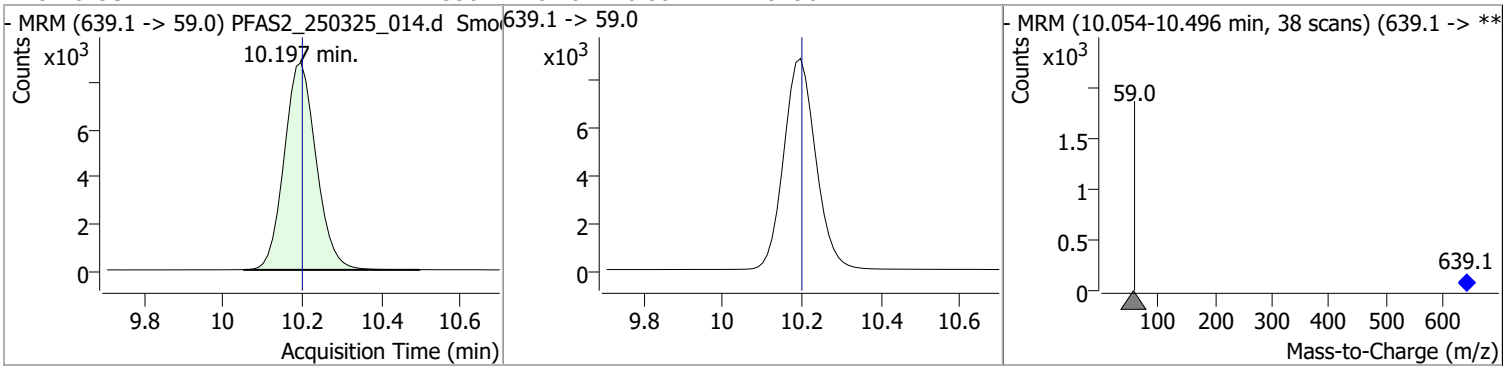
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2834	9.99	0.00	8627				



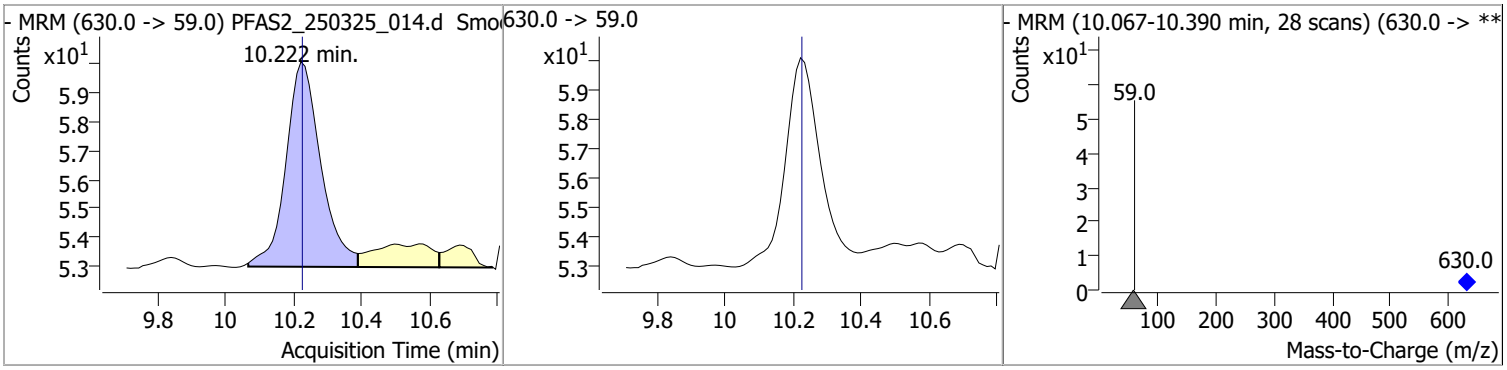
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



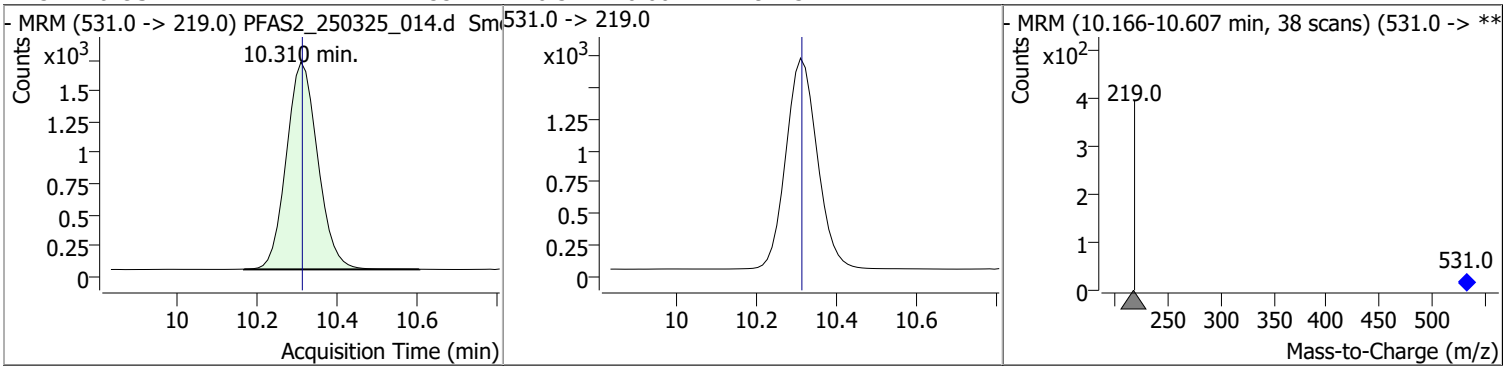
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4338	10.20	0.00	49496				



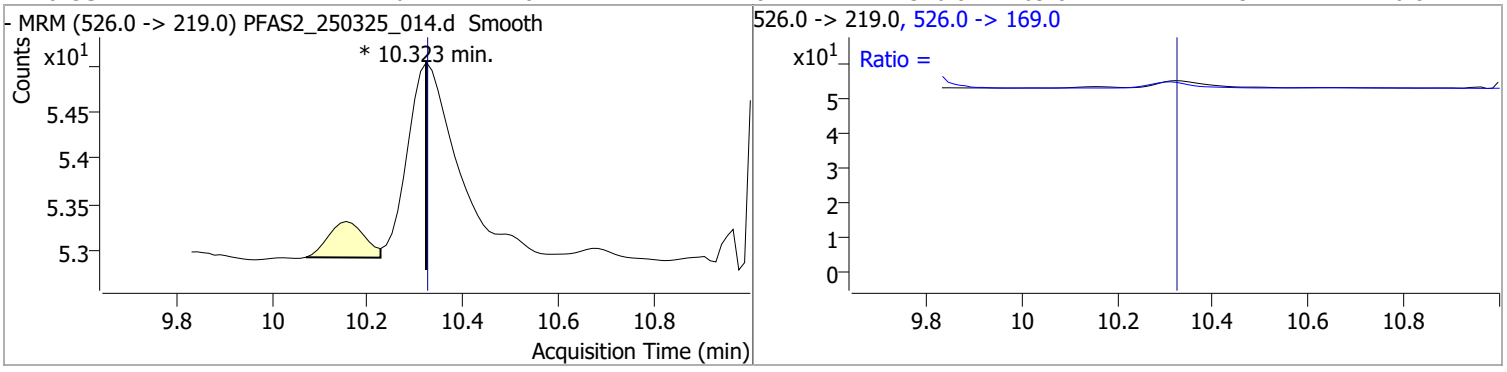
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0381	10.22	0.00	51				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2552	10.31	0.00	9213				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_014.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:42:31 PM
Sample Name	O25C0608-01	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

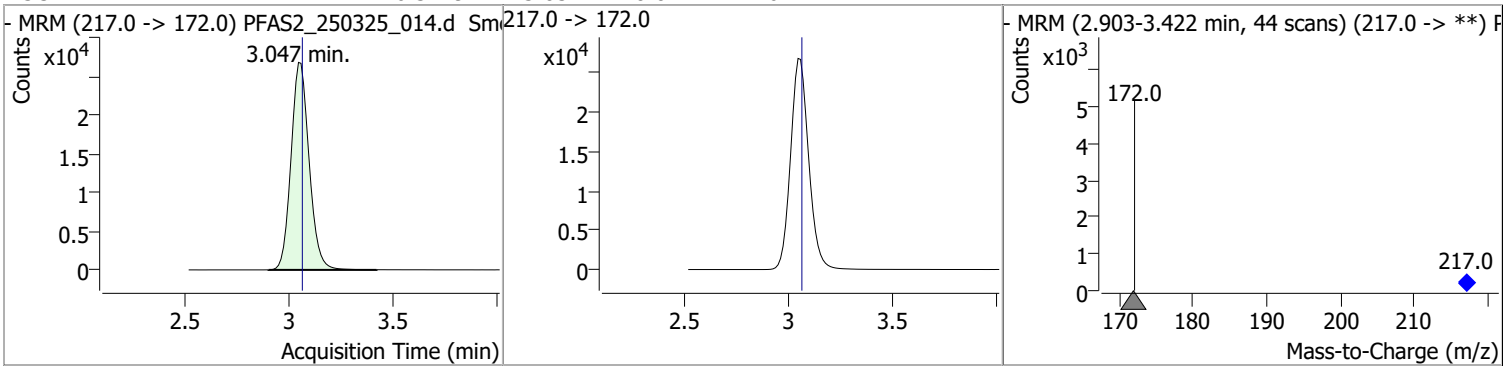
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112168	5.0000	µg/L		-18.031
13C2-PFHxA	4.890	315.0 -> 270.0	131936	2.5000	µg/L		-14.006
18O2-PFHxS	5.955	403.0 -> 84.0	25544	2.5000	µg/L		-13.791
13C4-PFOA	5.823	417.0 -> 172.0	13034	2.5000	µg/L		-15.625
13C5-PFNA	6.214	468.0 -> 423.0	65102	1.2500	µg/L		-8.529
13C2-PFDA	6.592	515.0 -> 470.0	58076	1.2500	µg/L		-13.159
13C4-PFOS	6.759	503.0 -> 80.0	22635	2.5000	µg/L		-9.130
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	161222	10.0000	µg/L		-48.132
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 63.25%			
13C5-PFPeA	4.222	268.0 -> 223.0	172074	5.0000	µg/L		-16.840
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.71%			
13C5-PFPeA	4.222	268.0 -> 223.0	172074	5.0000	µg/L		-16.840
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.71%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	27003	5.0000	µg/L	#	6.880
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 124.48%			
13C5-PFHxA	4.889	318.0 -> 273.0	136184	2.5000	µg/L		-19.344
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.77%			
13C5-PFHxA	4.889	318.0 -> 273.0	136184	2.5000	µg/L		-19.344
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.77%			
13C3-PFBS	4.929	302.0 -> 80.0	51792	2.5000	µg/L		-14.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.04%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	151341	10.0000	µg/L		-13.406
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.69%			
13C4-PFHpA	5.385	367.0 -> 322.0	158119	2.5000	µg/L		-16.289
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%			
13C3-PFHxS	5.944	402.0 -> 80.0	28765	2.5000	µg/L		-17.693
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.50%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13595	5.0000	µg/L	#	-7.944
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.90%			
13C8-PFOA	5.823	421.0 -> 376.0	150928	2.5000	µg/L		-12.627
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.57%			
13C3-PFHxS	5.944	402.0 -> 80.0	28765	2.5000	µg/L		-17.693
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.50%			
13C9-PFNA	6.213	472.0 -> 427.0	64883	1.2500	µg/L		-7.920
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.62%			
13C8-PFOS	6.759	507.0 -> 80.0	21808	2.5000	µg/L		-13.746
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.96%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9397	5.0000	µg/L	#	-20.668
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.90%			
13C6-PFDA	6.591	519.0 -> 474.0	61700	1.2500	µg/L		-9.211
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.45%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49146	5.0000	µg/L		-11.954
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21808	2.5000	µg/L		-13.746

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.96%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	80594	5.0000	µg/L		91.120
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 210.22%		*	
13C7-PFUnDA	6.966	570.0 -> 525.0	49575	1.2500	µg/L		-7.515
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.48%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	34603	1.2500	µg/L		-21.561
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.18%			
13C2-PFDoDA	7.344	615.0 -> 570.0	37083	1.2500	µg/L		-7.166
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.91%			
13C2-PFTDA	8.068	715.0 -> 670.0	32124	1.2500	µg/L		-33.470
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.38%			
13C8-PFOSA	8.792	506.0 -> 78.0	33516	2.5000	µg/L		-9.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.59%			
13C8-PFOSA	8.792	506.0 -> 78.0	33516	2.5000	µg/L		-9.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.59%			
2H7-MeFOSE	9.865	623.1 -> 59.0	58619	25.0000	µg/L		-53.346
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 51.38%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8627	2.5000	µg/L		-16.805
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.34%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49496	25.0000	µg/L		-22.065
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.74%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9213	2.5000	µg/L		-18.038
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.21%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	650	0.1270	µg/L		100
PFMPA	3.431	229.0 -> 85.0	8	0.0555	µg/L		100
3-3 FTCA	3.742	241.0 -> 177.0	7	0.0000	µg/L	#	1
PFPeA	4.223	263.0 -> 219.0	4303	0.1596	µg/L	#	100
PFMBA	4.503	279.0 -> 85.0	4	0.0338	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	49	0.0030	µg/L		41
NFDHA	4.787	295.0 -> 201.0	5	0.0053	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	3149	0.0646	µg/L		99
PFBS	4.930	298.9 -> 80.0	143	0.0066	µg/L	#	65
HFPO-DA	5.087	285.0 -> 169.0	46	0.0034	µg/L		33
PFEESA	5.189	314.9 -> 135.0	36	0.0521	µg/L		80
PFHpA	5.386	363.0 -> 319.0	3070	0.0715	µg/L		97
5-3 FTCA	5.470	341.0 -> 237.0	78	0.1973	µg/L		4
PFPeS	5.470	348.9 -> 80.0	59	0.0038	µg/L	#	49
DONA	5.326	377.0 -> 251.0	128	0.0689	µg/L		46
6-2 FTSA	5.642	427.0 -> 407.0	126	0.1231	µg/L	#	11
PFOA	5.824	413.0 -> 369.0	541	0.0454	µg/L	#	86
PFHxS	5.945	398.9 -> 80.0	153	0.0137	µg/L		97
PFNA	6.381	463.0 -> 419.0	198	0.0107	µg/L		62
PFHpS	6.394	448.9 -> 80.0	15	0.0016	µg/L		26
8-2 FTSA	6.412	527.0 -> 507.0	14	0.0757	µg/L	#	1
PFDA	6.580	513.0 -> 469.0	56	0.0000	µg/L	#	42
7-3 FTCA	6.716	441.0 -> 317.0	26	0.2534	µg/L		1
N-MeFOSAA	6.707	570.0 -> 419.0	45	0.0133	µg/L		85
PFOS	6.760	498.9 -> 80.0	274	0.0623	µg/L	#	44
N-EtFOSAA	6.717	584.0 -> 419.0	59	0.0150	µg/L		24
PFUnDA	6.955	563.0 -> 519.0	47	0.0145	µg/L		63
9Cl-PF3ONS	7.649	530.9 -> 350.9	10	0.0652	µg/L		44
PFNS	7.135	548.9 -> 80.0	51	0.0069	µg/L	#	42
PFDoDA	7.344	613.0 -> 569.0	58	0.0021	µg/L		65

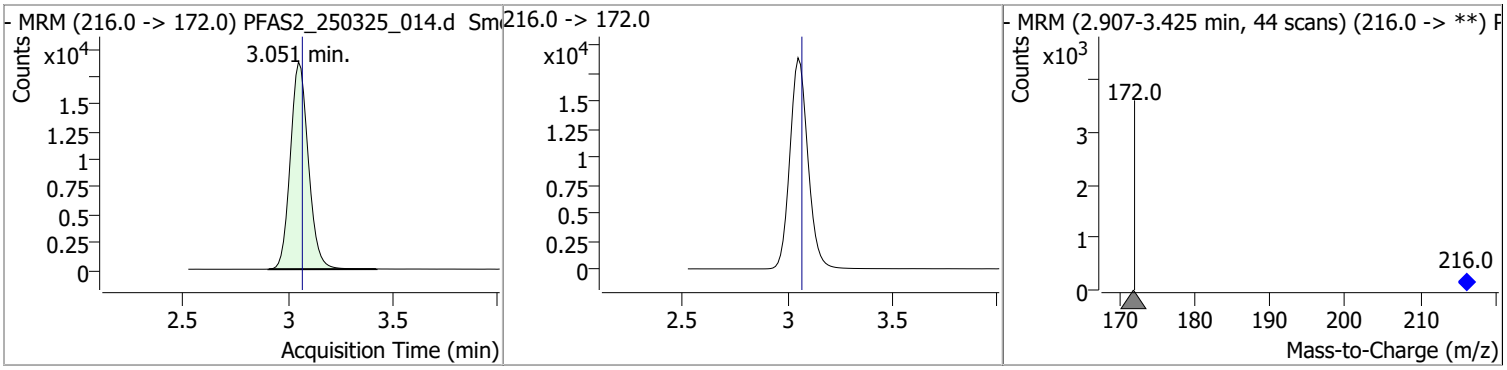
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.478	598.9 -> 80.0	3	0.0005	µg/L	#	1
PFTrDA	7.713	663.0 -> 619.0	108	0.0041	µg/L		97
11Cl-PF3OUdS	7.763	630.9 -> 450.9	47	0.0023	µg/L	#	63
PFTDA	8.069	712.9 -> 669.0	81	0.0098	µg/L	#	89
PFDoS	8.156	698.9 -> 80.0	2	0.0005	µg/L	#	1
PFOSA	8.783	497.9 -> 78.0	36	0.0031	µg/L	#	83
MeFOSE	9.878	616.0 -> 59.0	55	0.0000	µg/L		100
N-MeFOSA	9.968	512.0 -> 219.0	3	0.0010	µg/L	#	1
EtFOSE	10.222	630.0 -> 59.0	51	0.0381	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	17	0.0046	µg/L	#	53

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

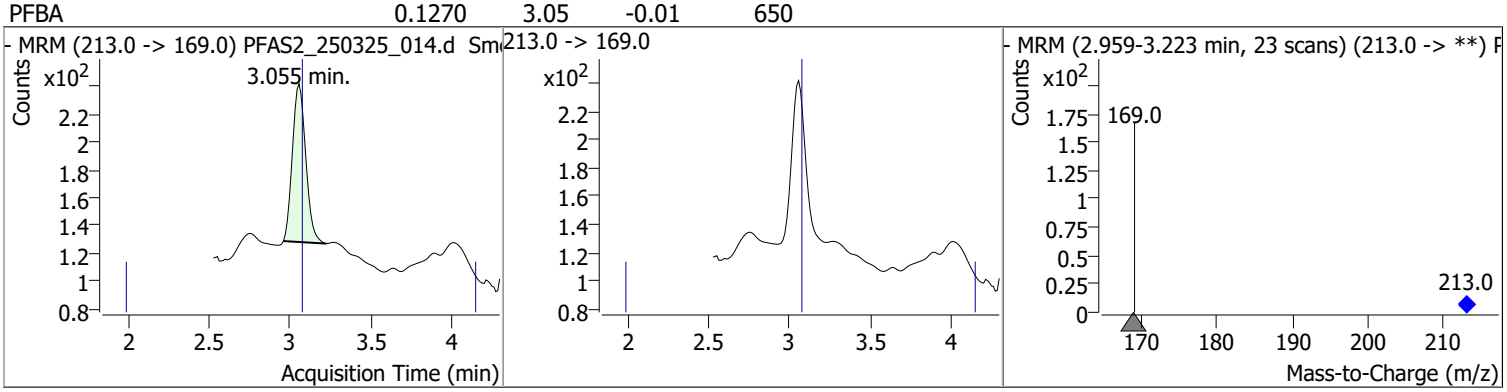
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.3249	3.05	-0.01	161222				



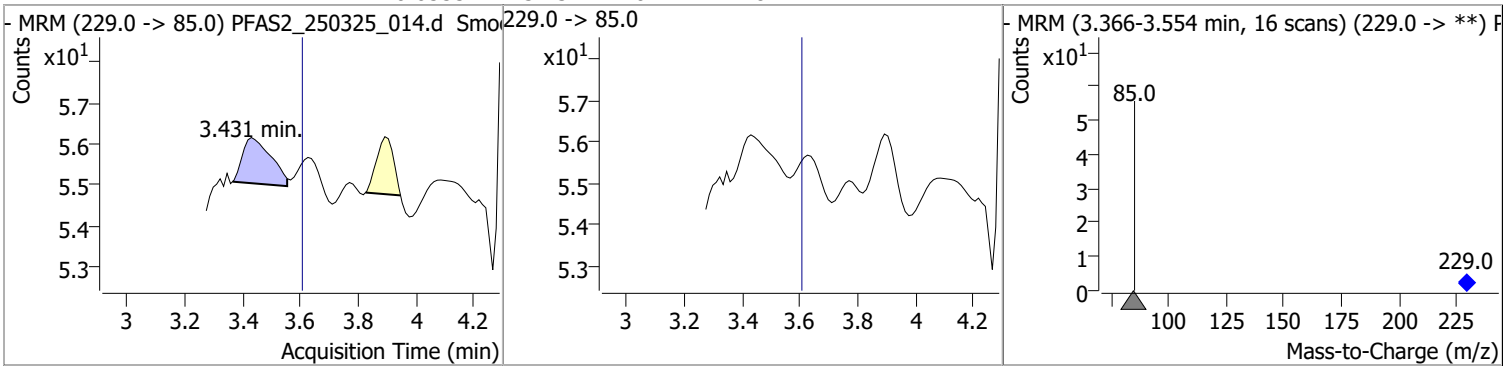
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112168				



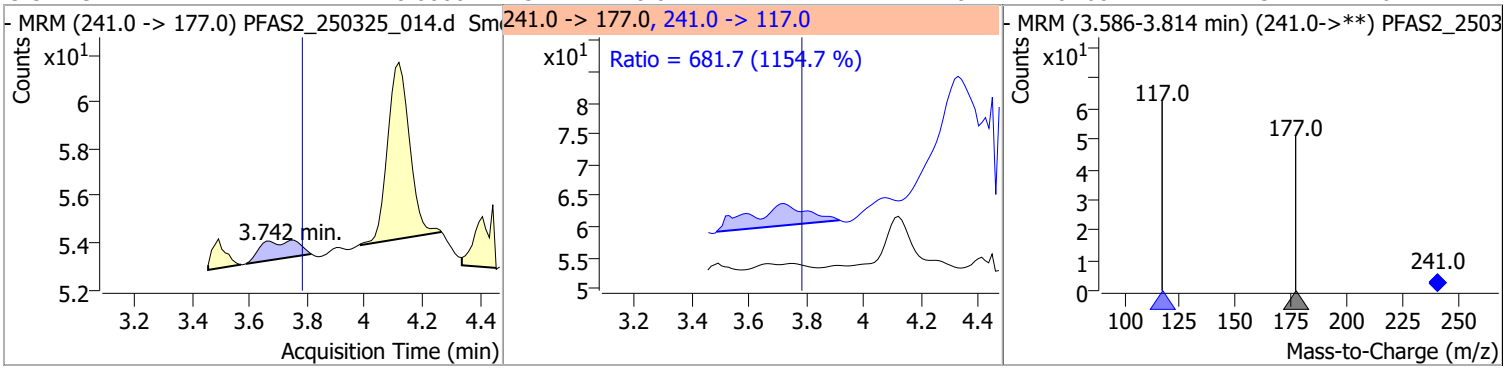
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.1270	3.05	-0.01	650				



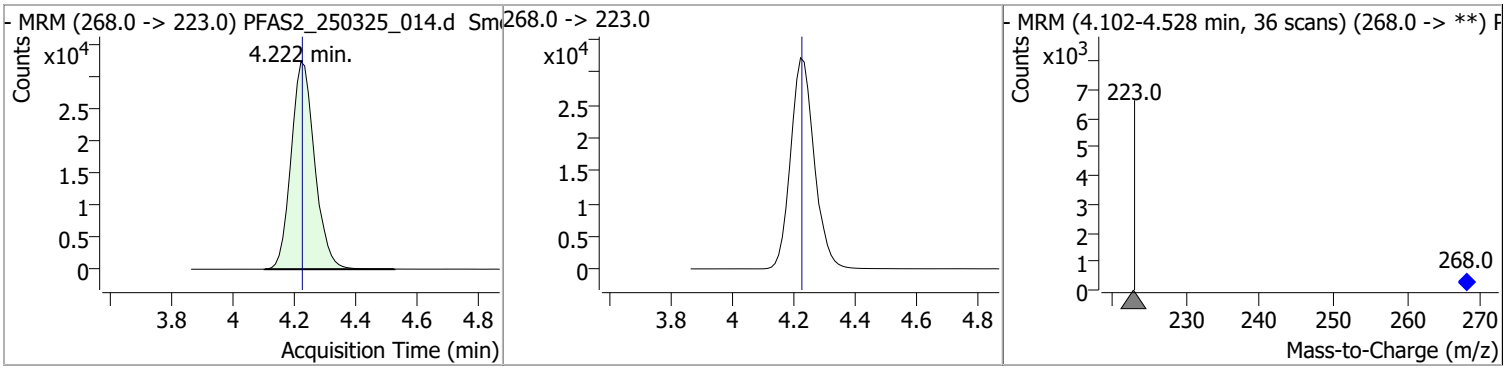
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0555	3.43	-0.17	8				



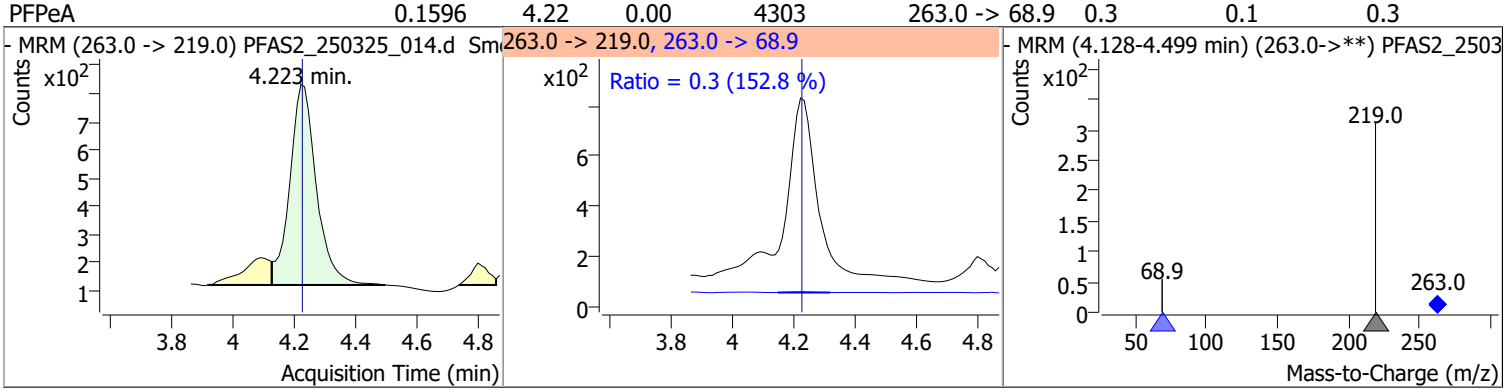
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.74	-0.04	7	241.0 -> 117.0	681.7	41.3	76.7



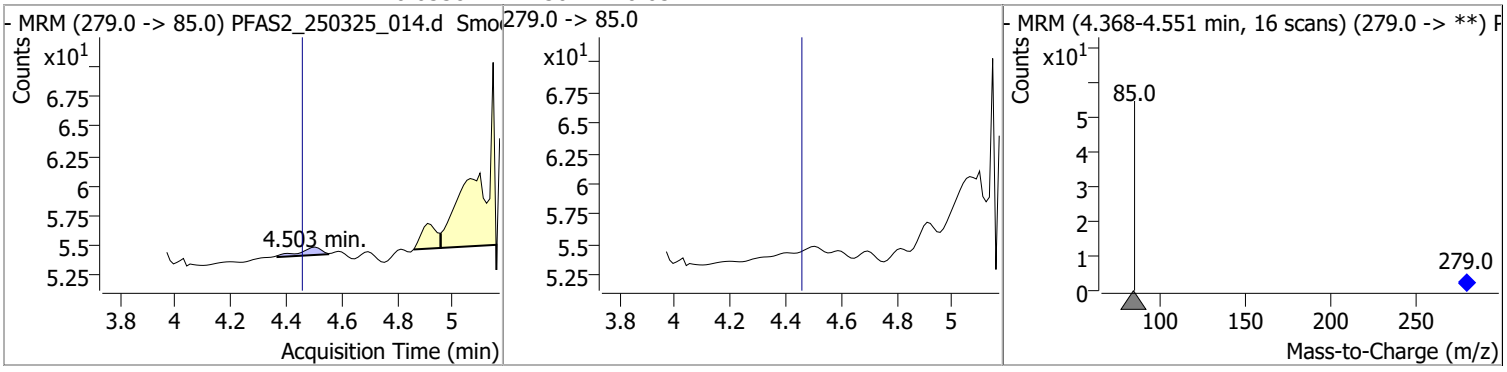
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8355	4.22	0.00	172074				



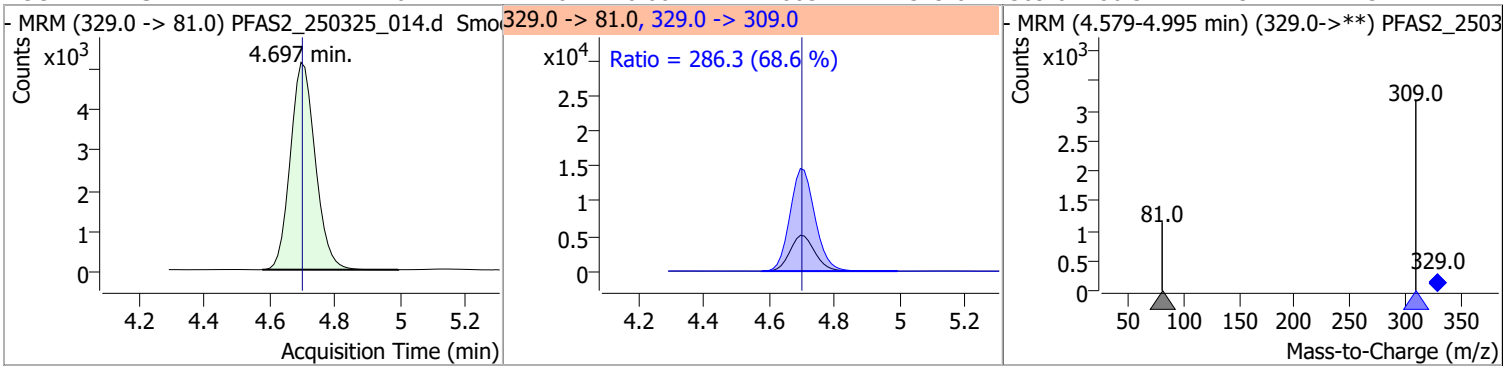
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.1596	4.22	0.00	4303	263.0 -> 68.9	0.3	0.1	0.3



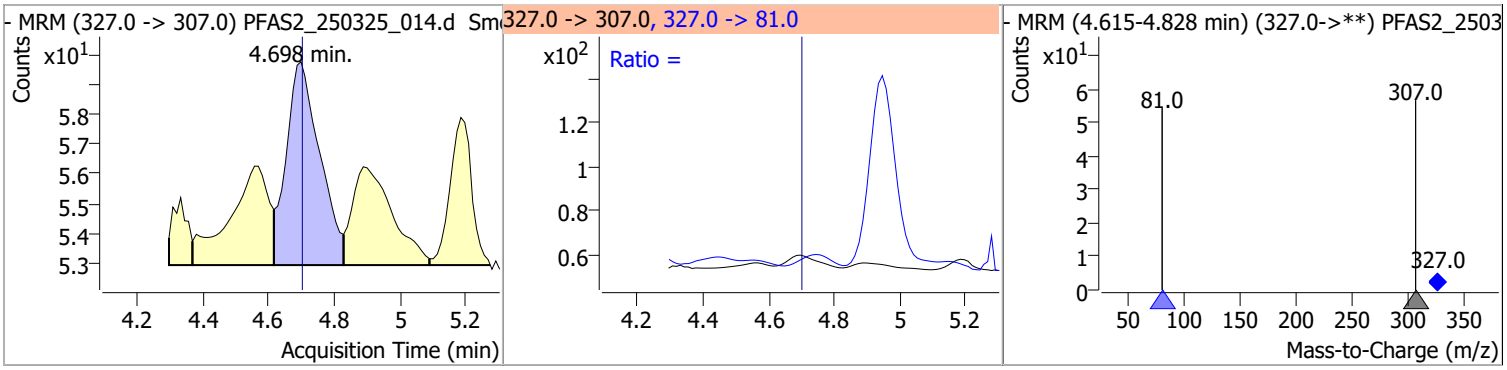
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0338	4.50	0.05	4				



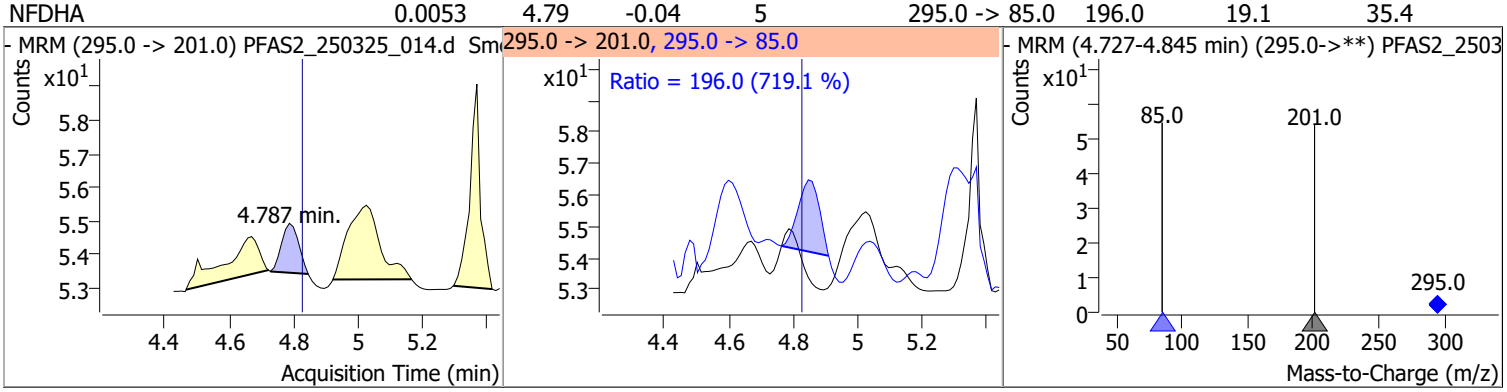
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2241	4.70	0.00	27003	329.0 -> 309.0	286.3	292.1	542.4



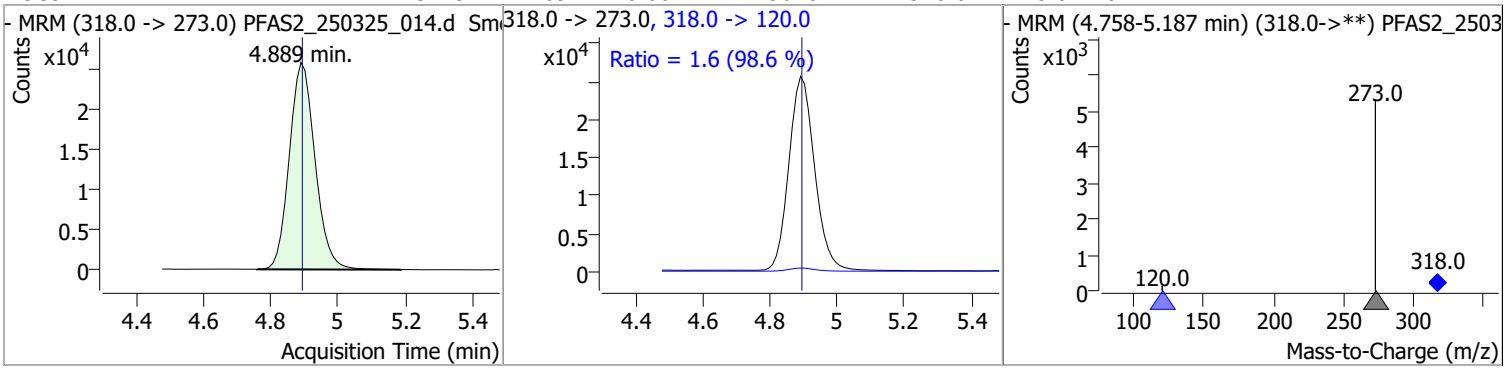
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0030	4.70	0.00	49	327.0 -> 81.0		23.6	43.9



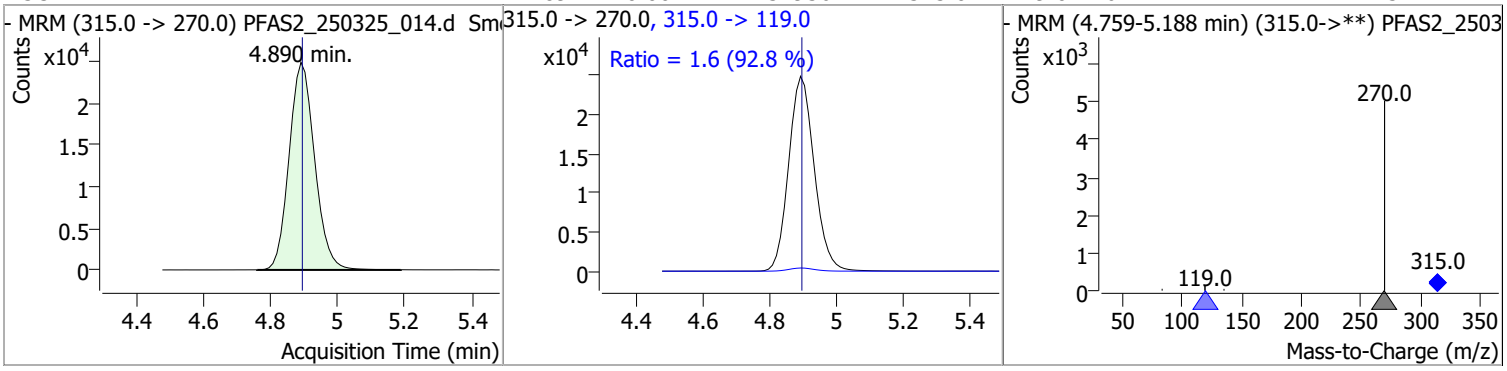
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0053	4.79	-0.04	5	295.0 -> 85.0	196.0	19.1	35.4



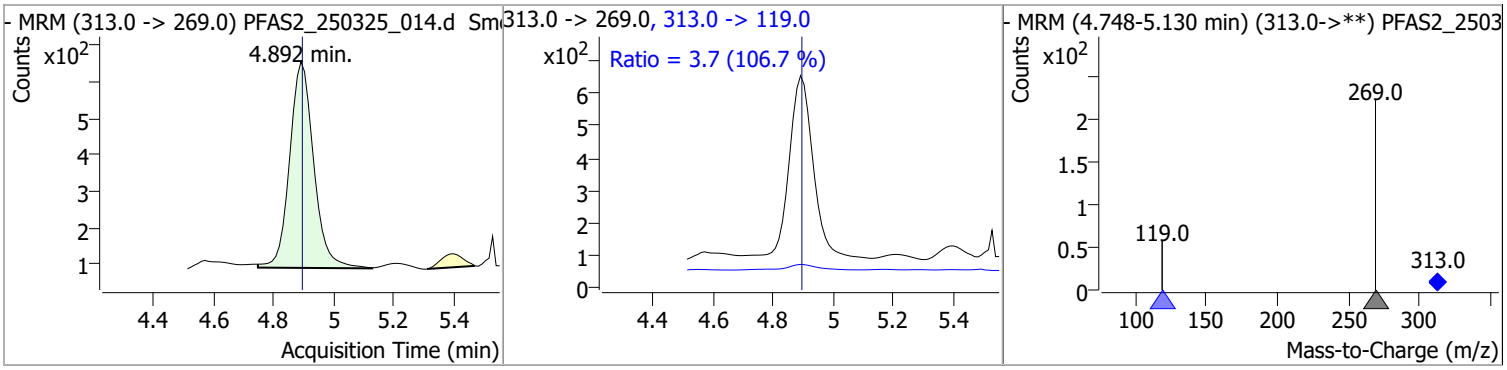
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3443	4.89	0.00	136184	318.0 -> 120.0	1.6	1.1	2.1



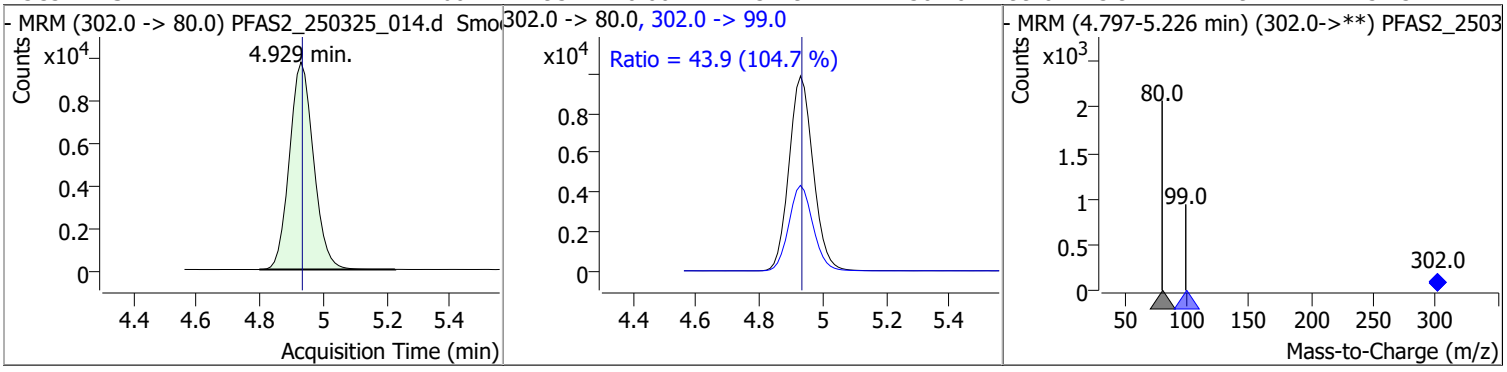
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	131936	315.0 -> 119.0	1.6	1.2	2.3



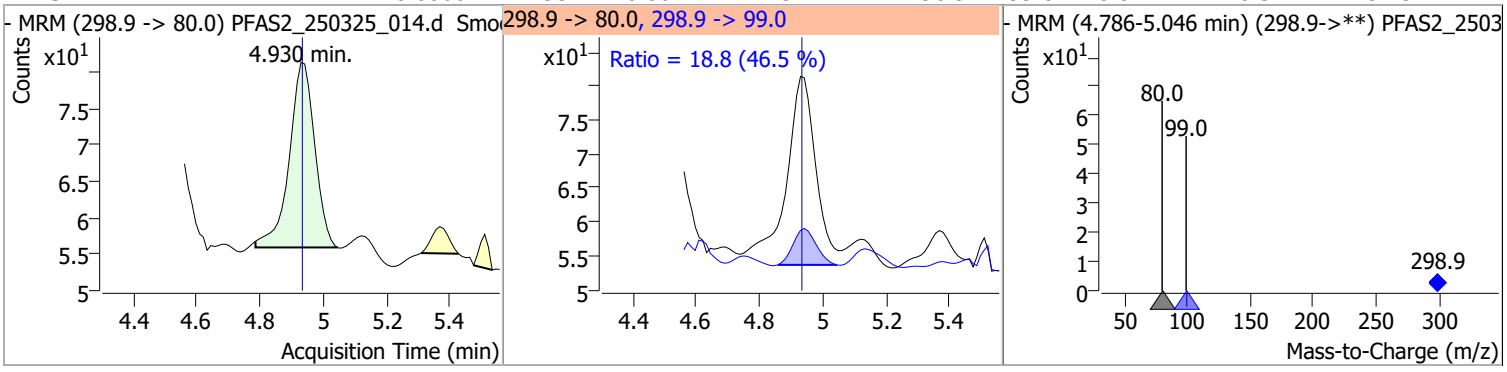
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0646	4.89	0.00	3149	313.0 -> 119.0	3.7	2.4	4.5



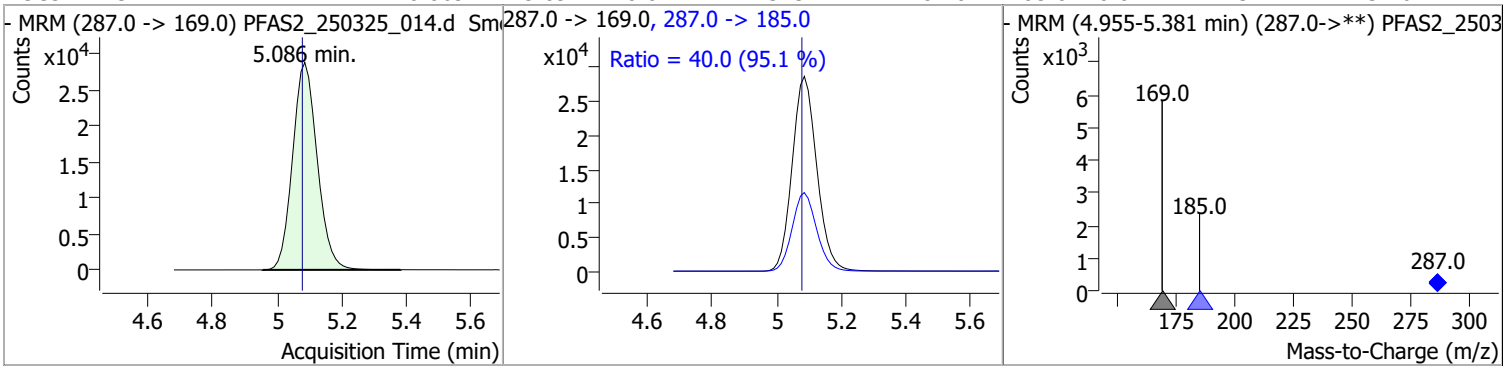
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4760	4.93	0.00	51792	302.0 -> 99.0	43.9	29.4	54.5



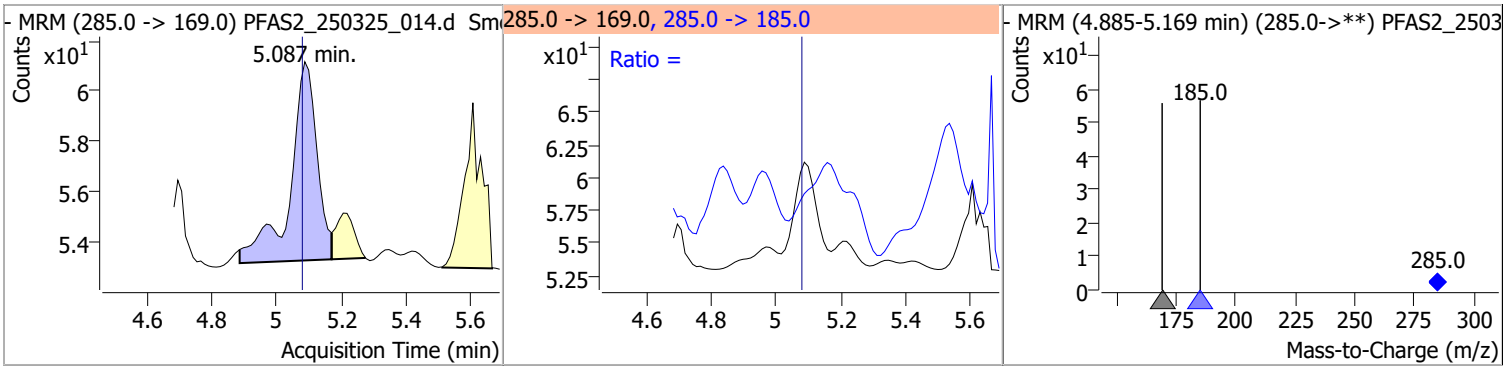
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0066	4.93	0.00	143	298.9 -> 99.0	18.8	28.3	52.5



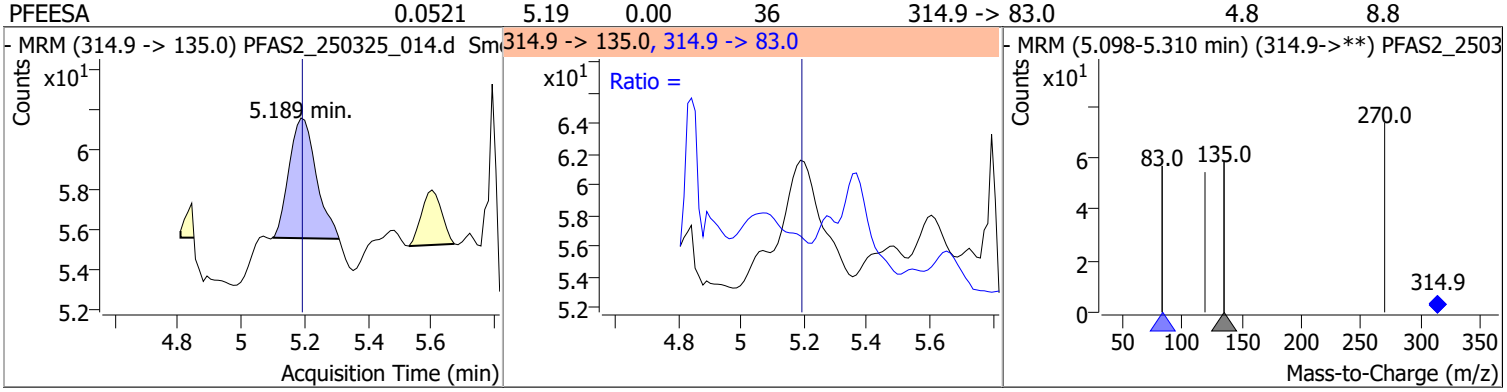
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0694	5.09	0.01	151341	287.0 -> 185.0	40.0	29.4	54.6



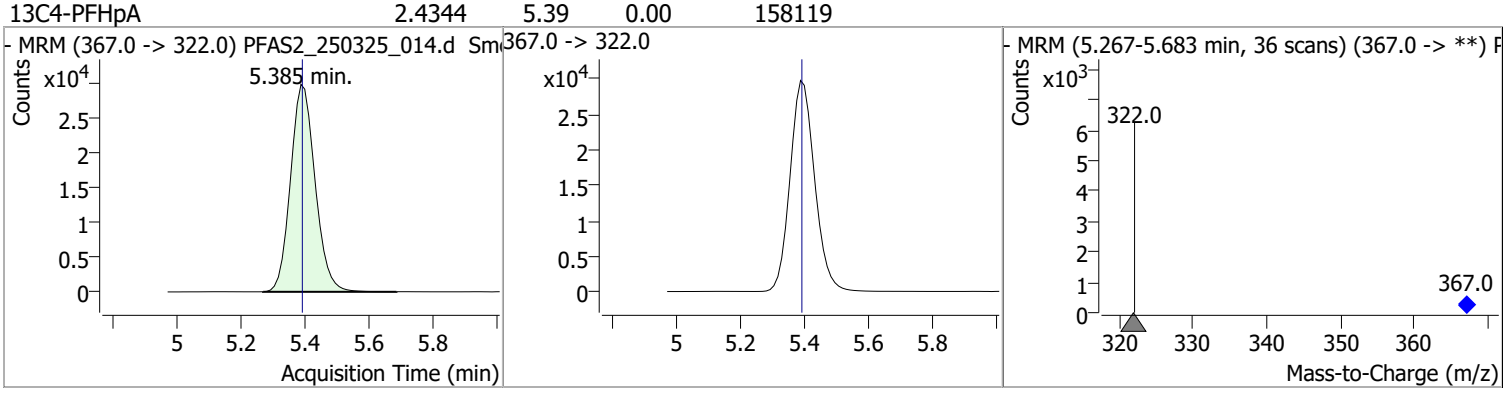
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0034	5.09	0.01	46	285.0 -> 185.0		30.1	56.0



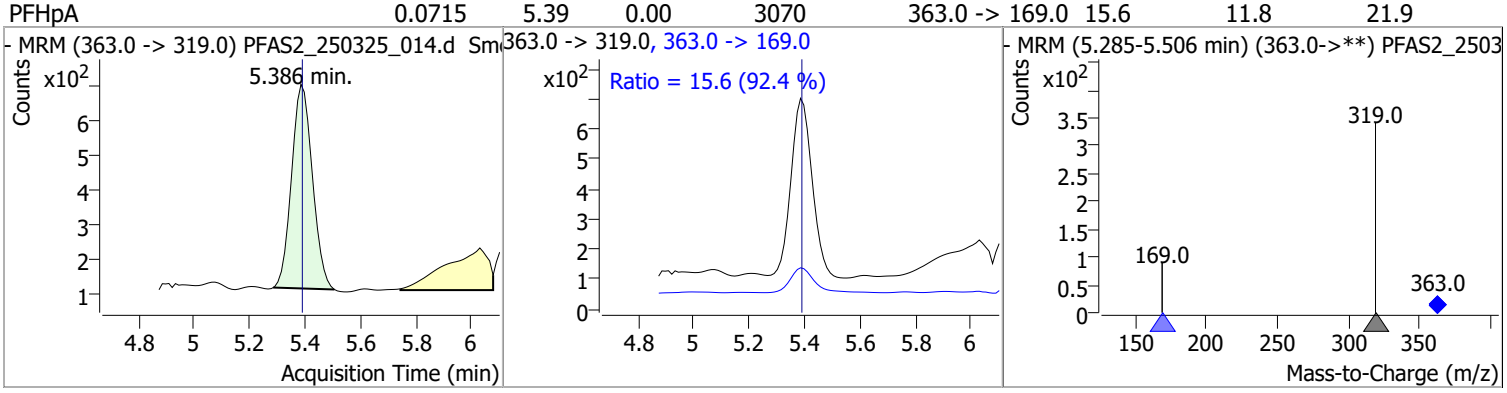
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0521	5.19	0.00	36	314.9 -> 83.0		4.8	8.8



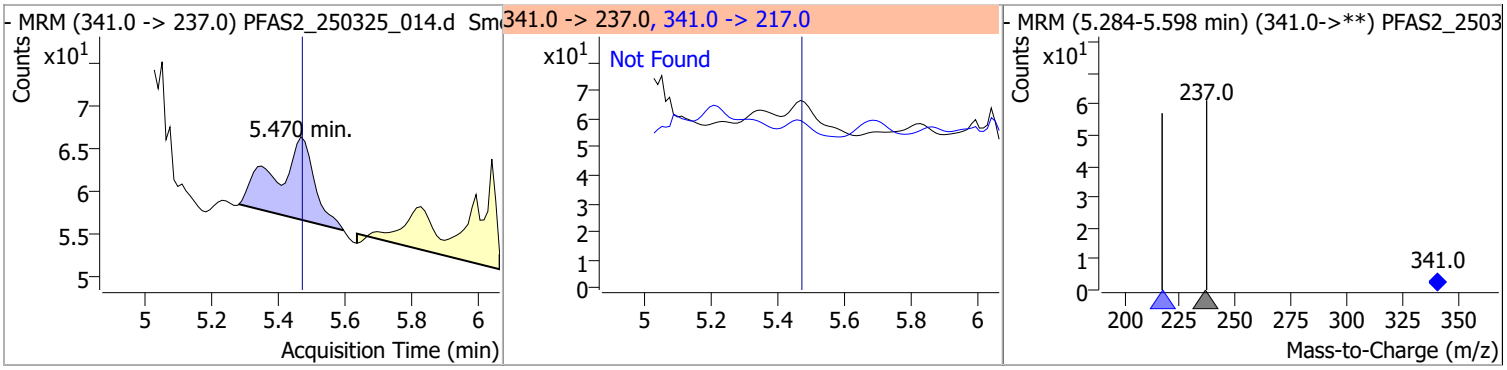
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4344	5.39	0.00	158119				



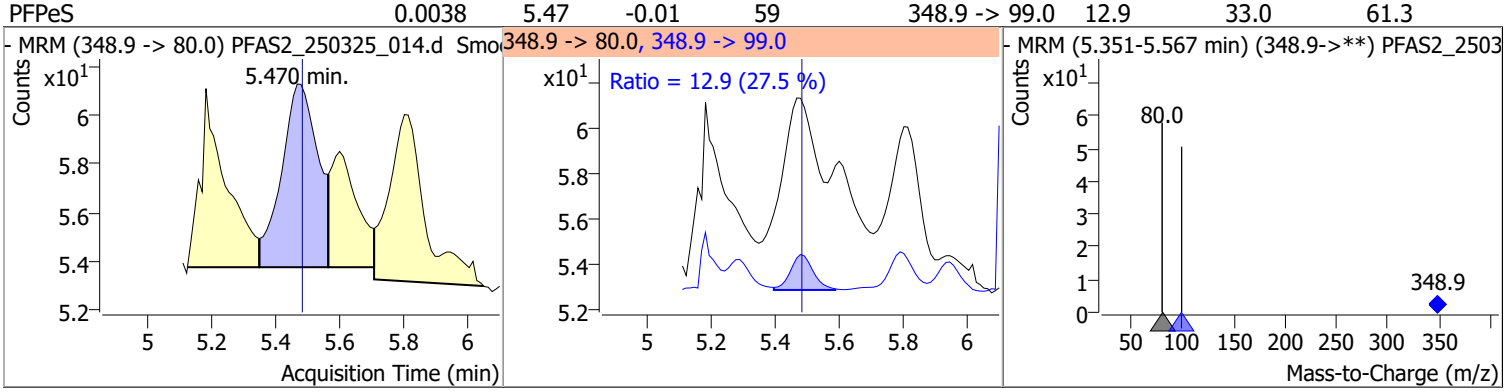
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0715	5.39	0.00	3070	363.0 -> 169.0	15.6	11.8	21.9



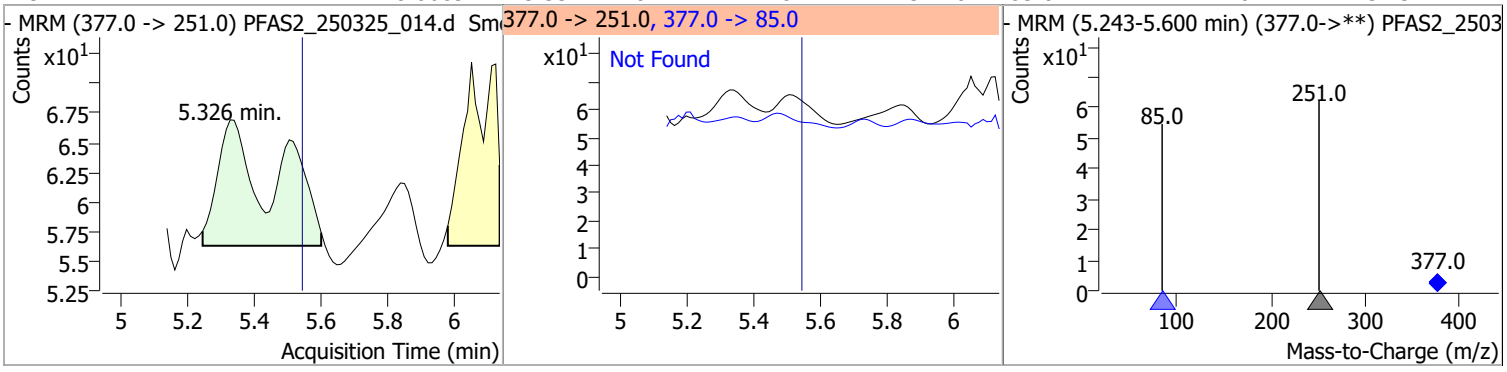
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1973	5.47	0.00	78	341.0 -> 217.0		63.6	118.1



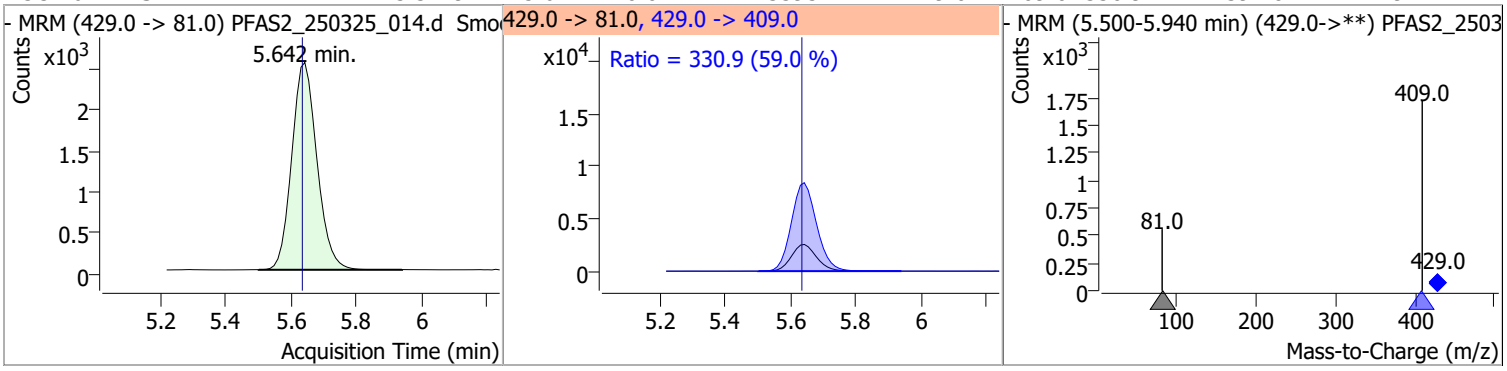
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0038	5.47	-0.01	59	348.9 -> 99.0	12.9	33.0	61.3



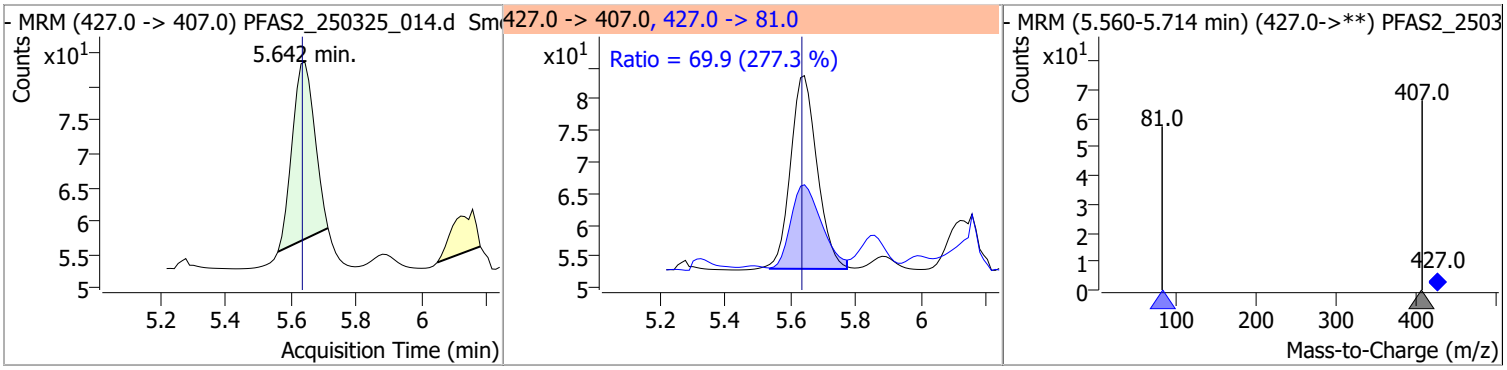
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0689	5.33	-0.21	128	377.0 -> 85.0		20.4	37.9



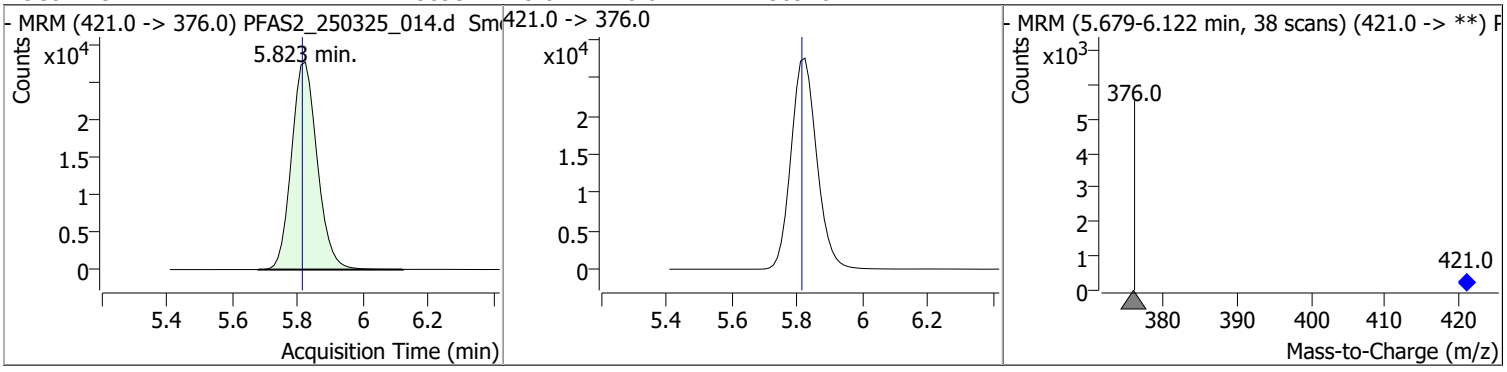
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3449	5.64	0.01	13595	429.0 -> 409.0	330.9	392.8	729.4



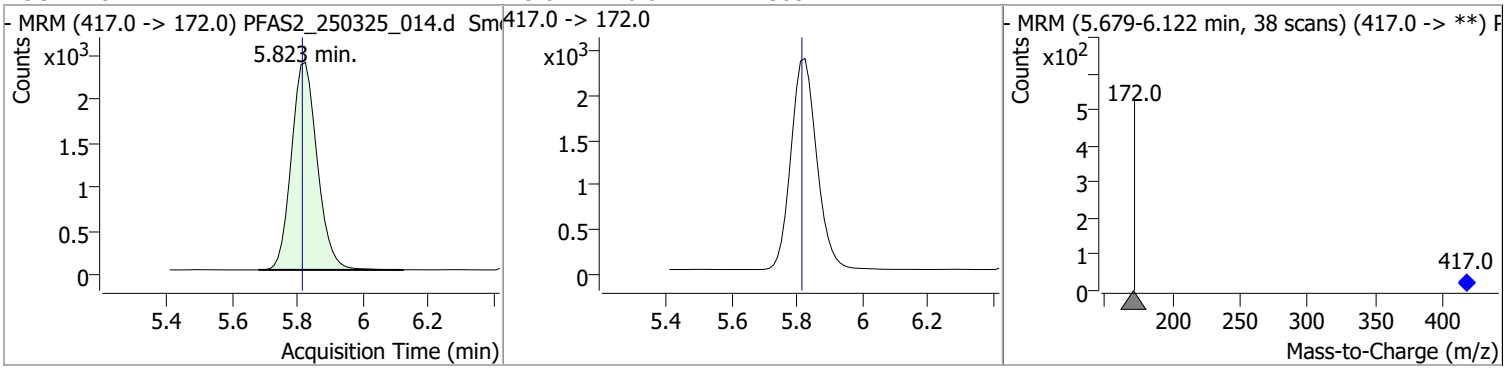
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1231	5.64	0.01	126	427.0 -> 81.0	69.9	17.7	32.8



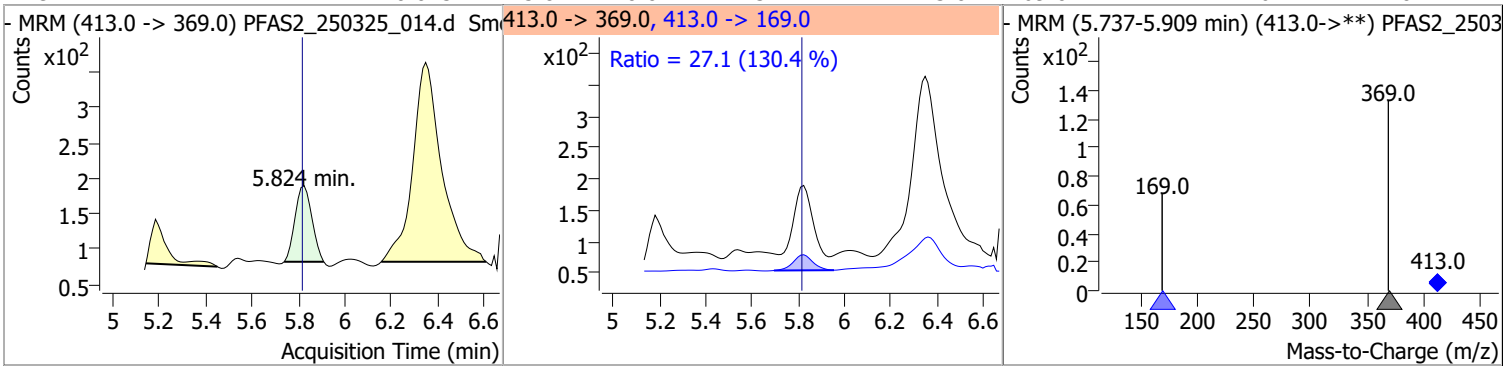
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5893	5.82	0.01	150928				



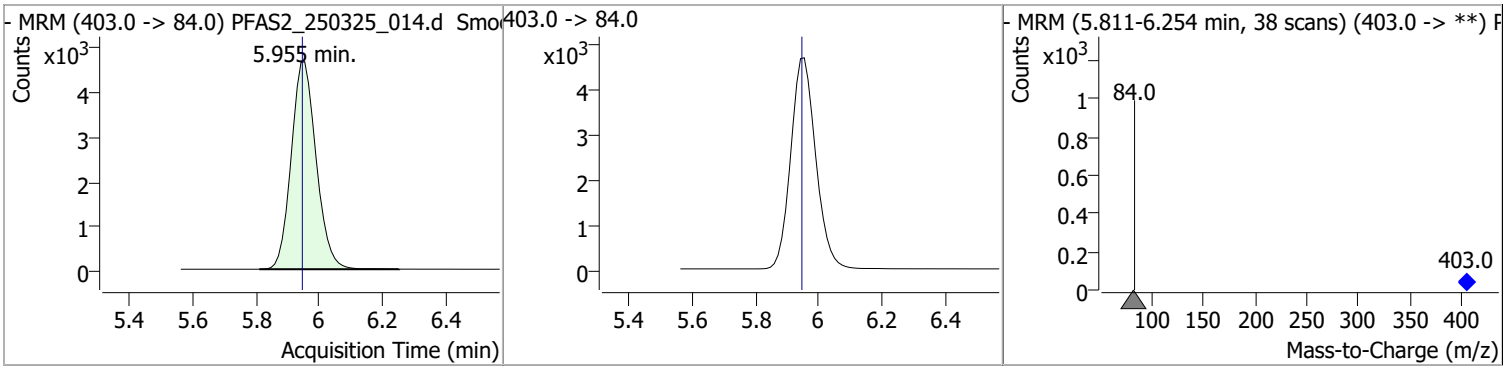
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13034				



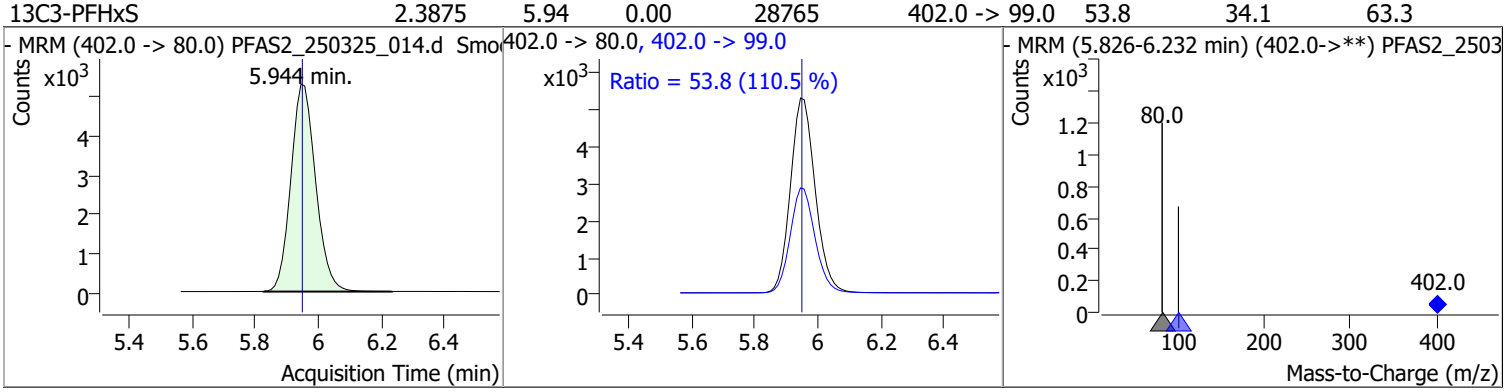
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0454	5.82	0.01	541	413.0 -> 169.0	27.1	14.6	27.0



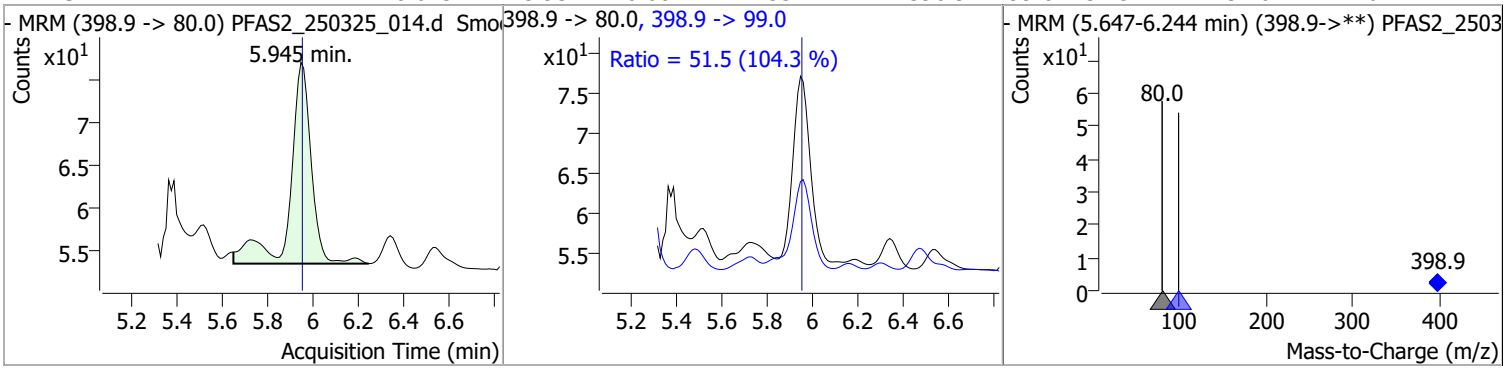
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	25544				



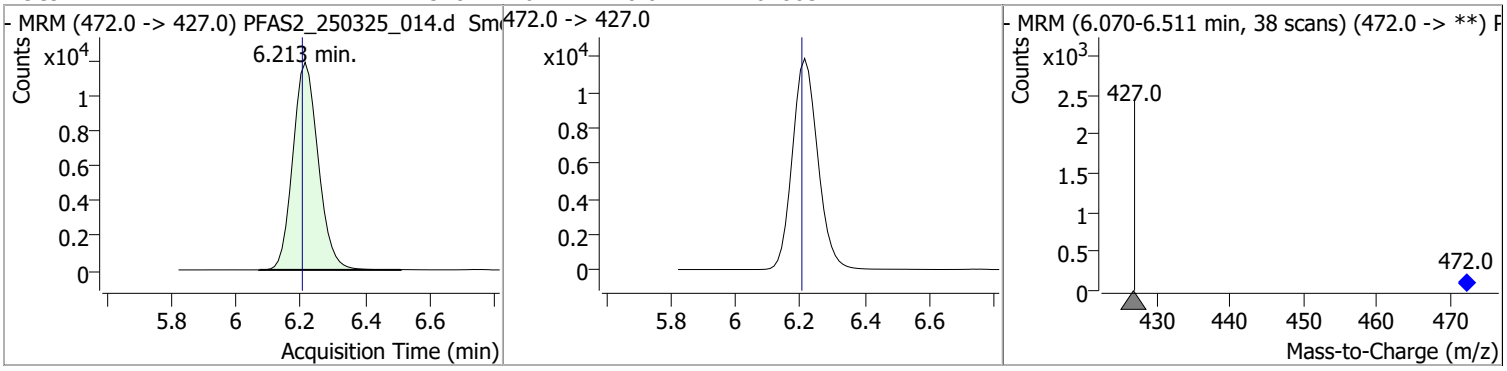
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3875	5.94	0.00	28765	402.0 -> 99.0	53.8	34.1	63.3



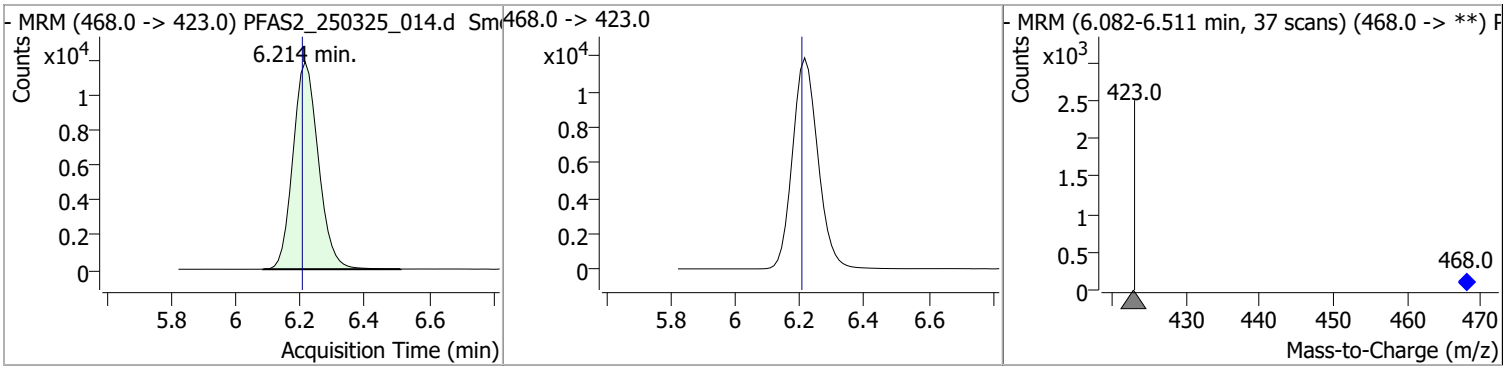
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0137	5.95	0.00	153	398.9 -> 99.0	51.5	34.6	64.2



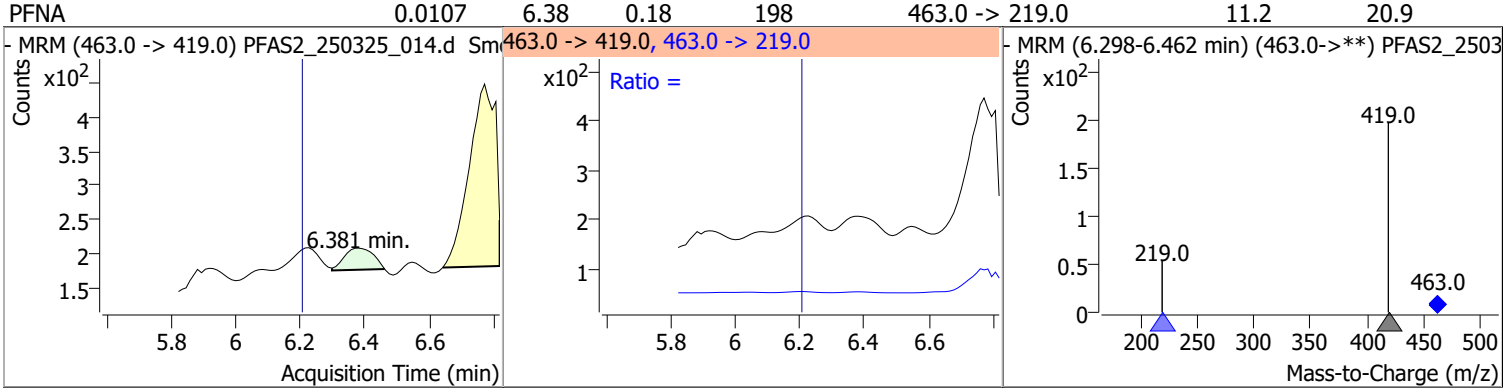
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2578	6.21	0.01	64883				



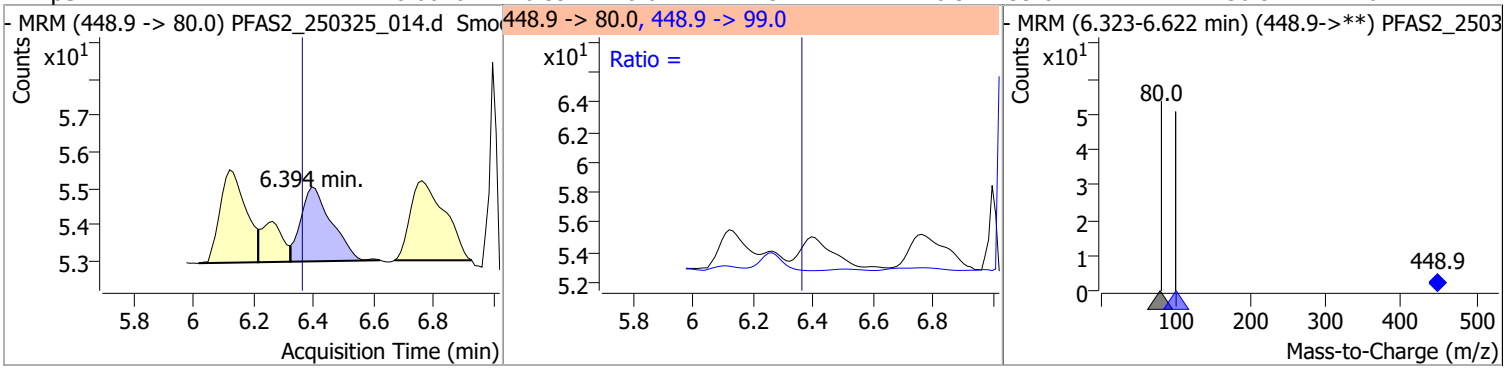
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	65102				



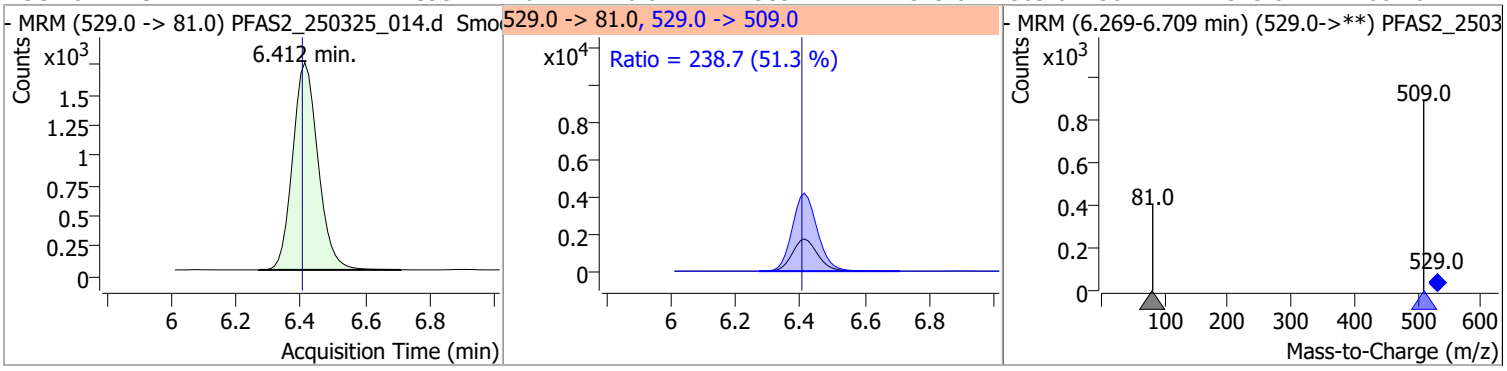
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0107	6.38	0.18	198	463.0 -> 219.0		11.2	20.9



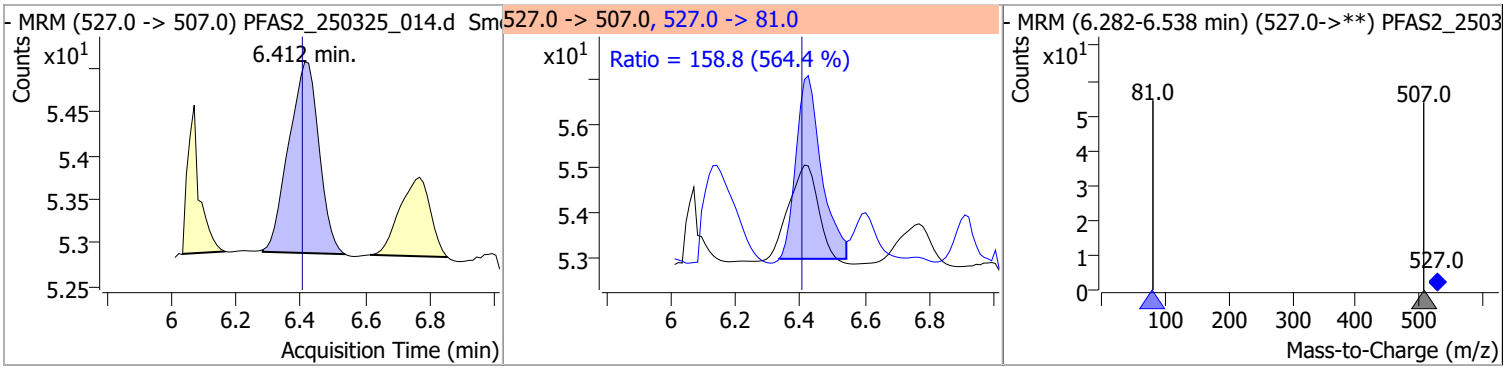
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0016	6.39	0.04	15	448.9 -> 99.0		36.5	67.7



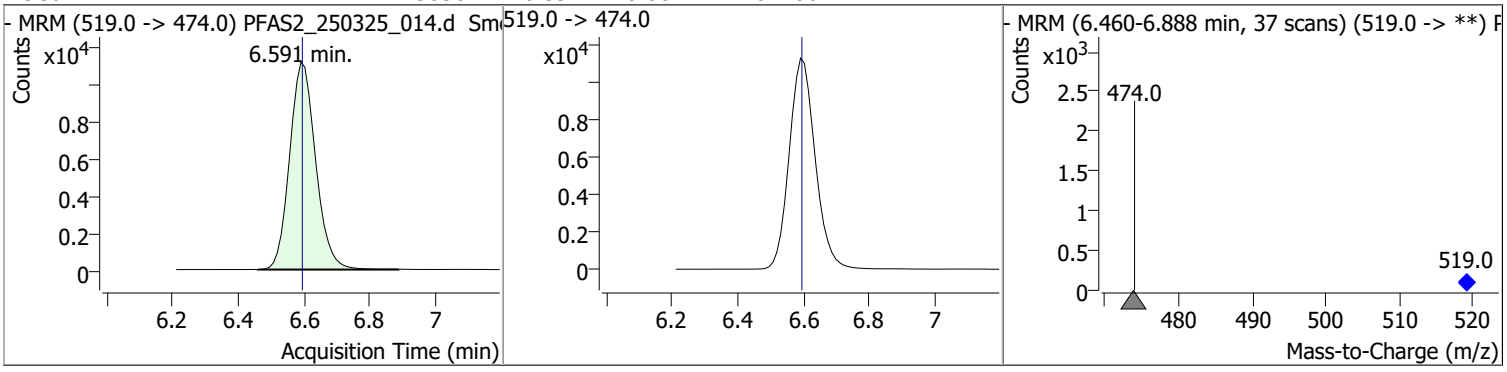
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5952	6.41	0.01	9397	529.0 -> 509.0	238.7	325.6	604.6



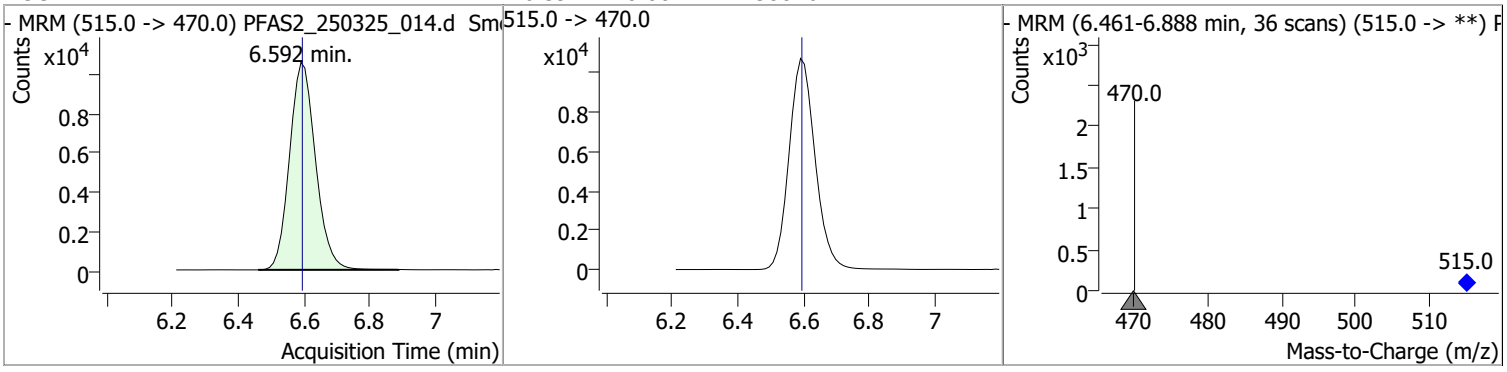
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0757	6.41	0.01	14	527.0 -> 81.0	158.8	19.7	36.6



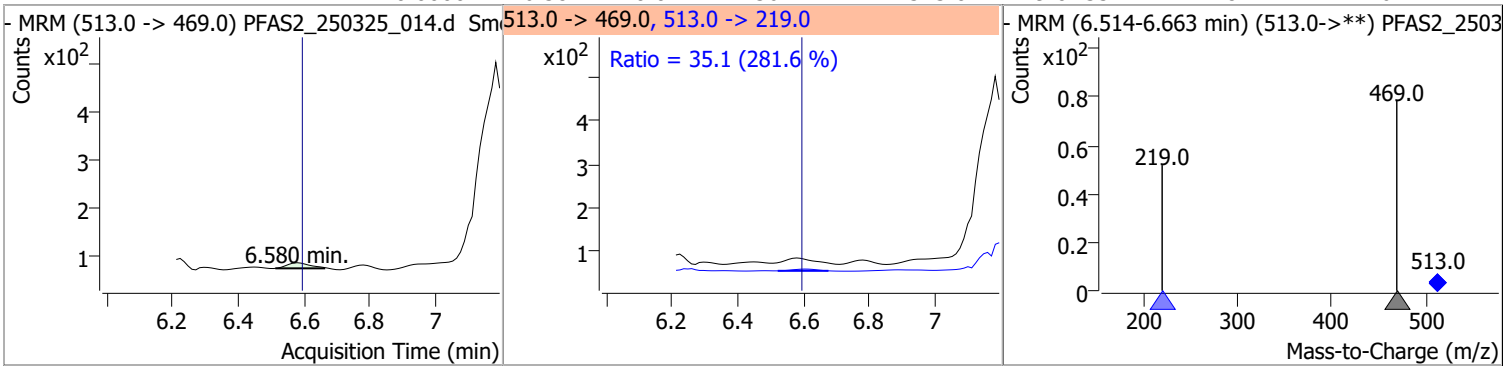
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3056	6.59	0.00	61700				



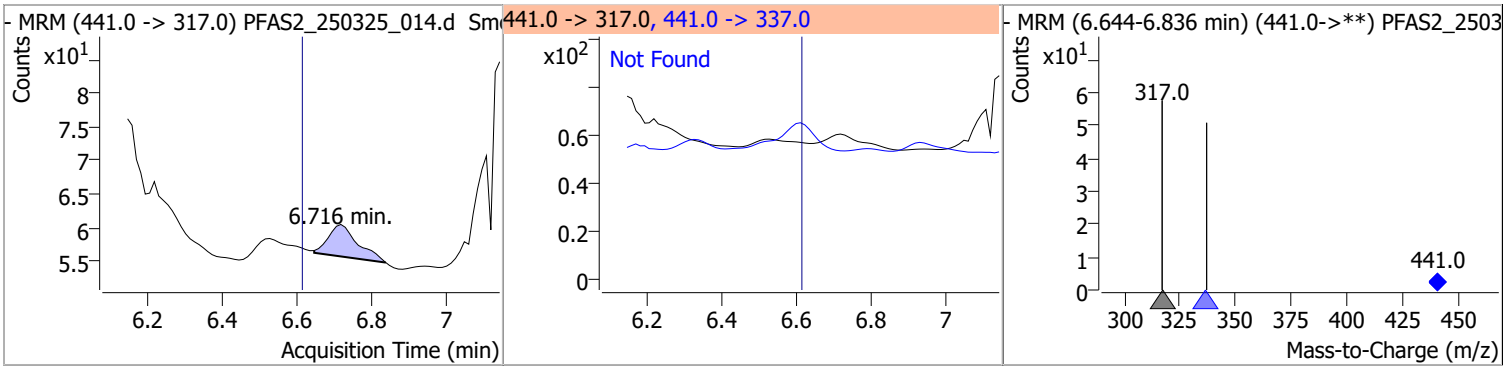
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	58076				



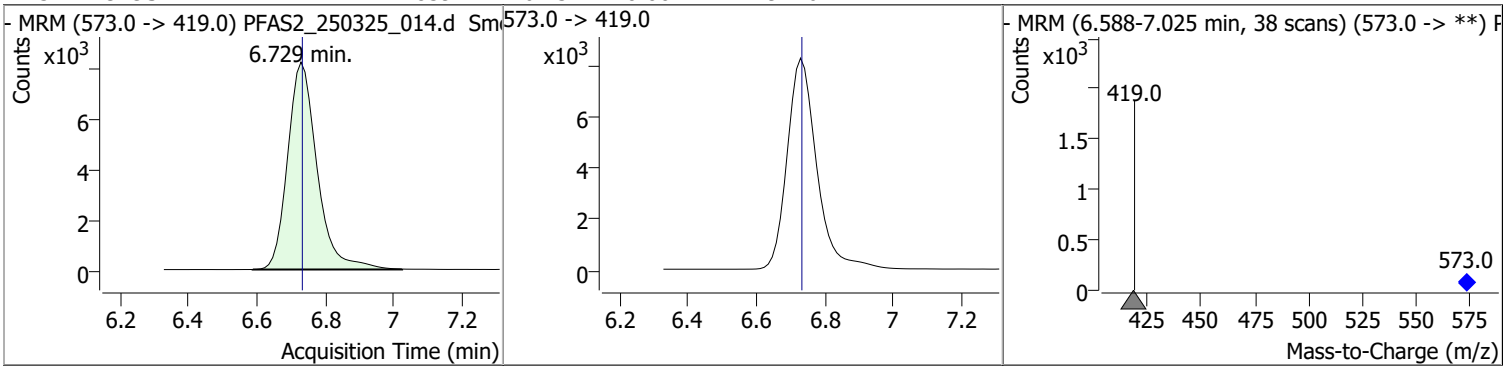
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.58	-0.01	56	513.0 -> 219.0	35.1	8.7	16.2



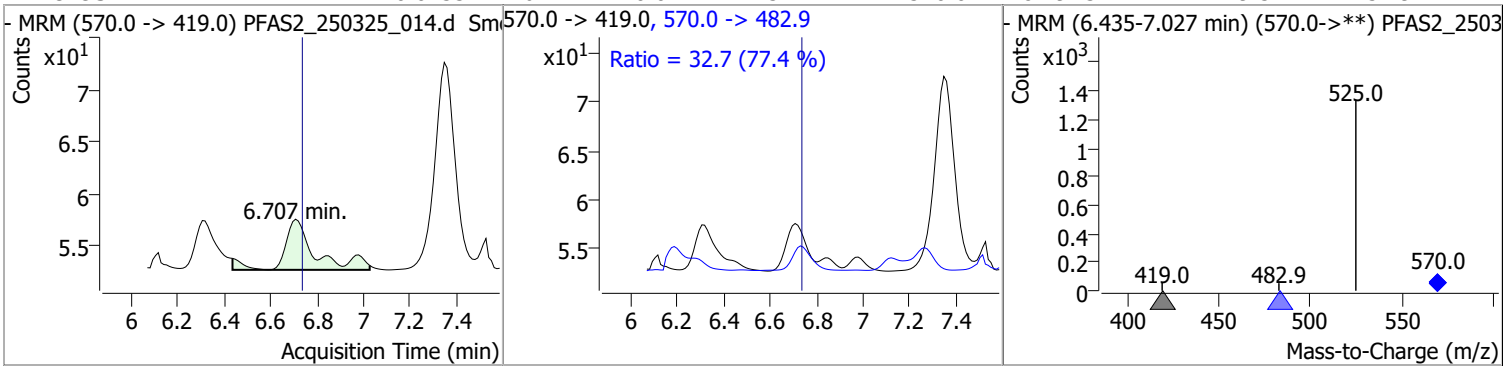
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2534	6.72	0.11	26	441.0 -> 337.0		77.1	143.3



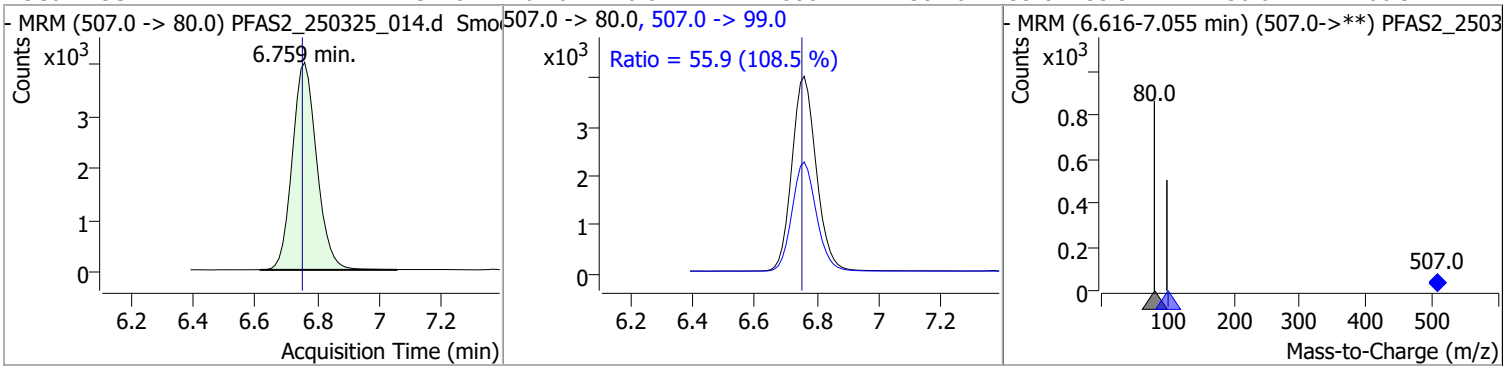
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8391	6.73	0.00	49146				



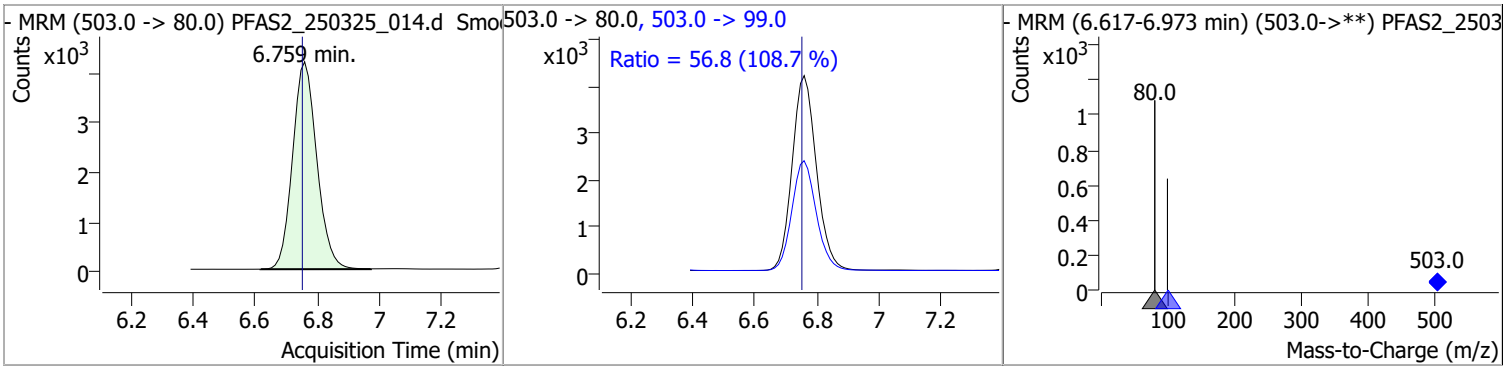
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0133	6.71	-0.02	45	570.0 -> 482.9	32.7	29.5	54.9



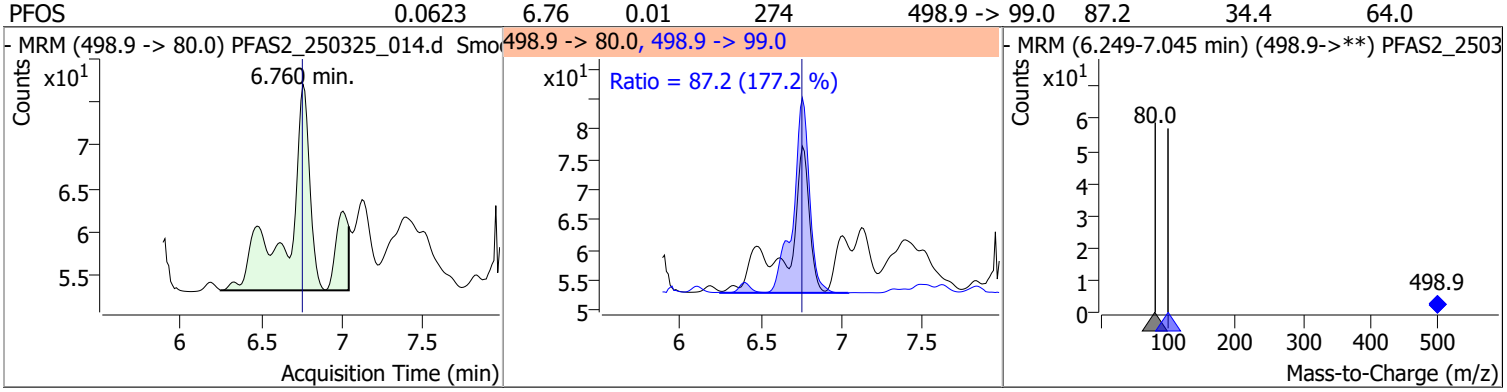
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3740	6.76	0.01	21808	507.0 -> 99.0	55.9	36.0	66.9



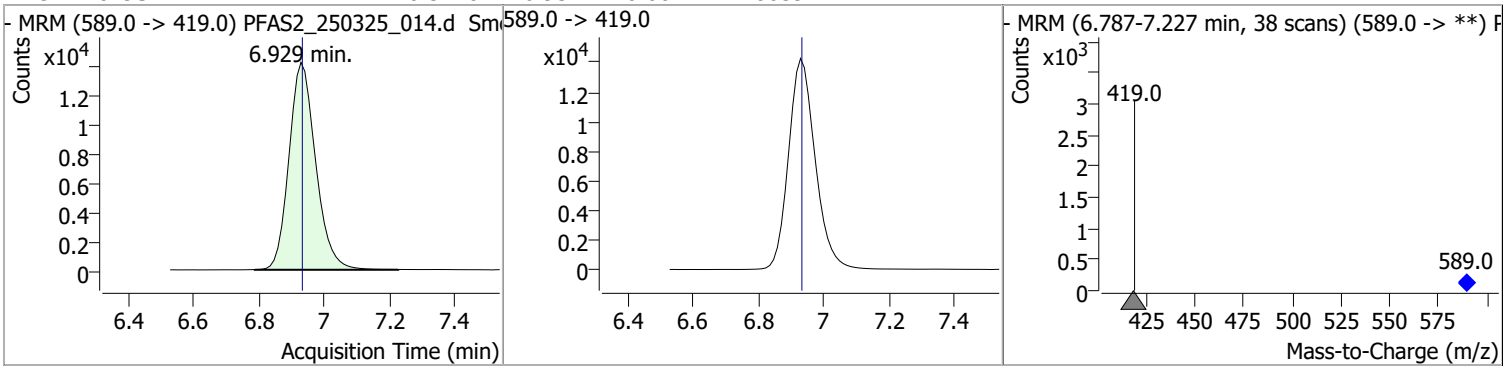
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	22635	503.0 -> 99.0	56.8	36.6	67.9



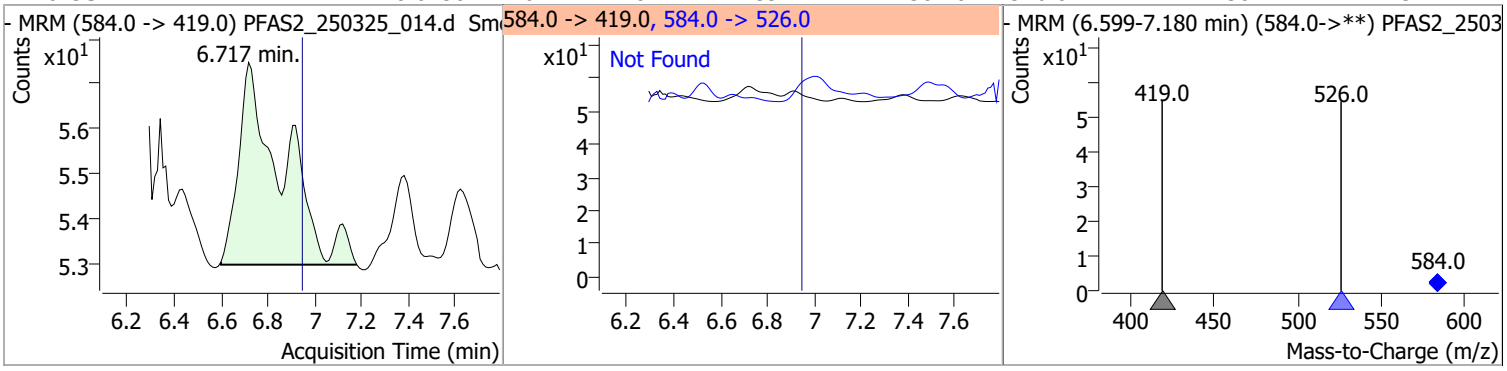
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0623	6.76	0.01	274	498.9 -> 99.0	87.2	34.4	64.0



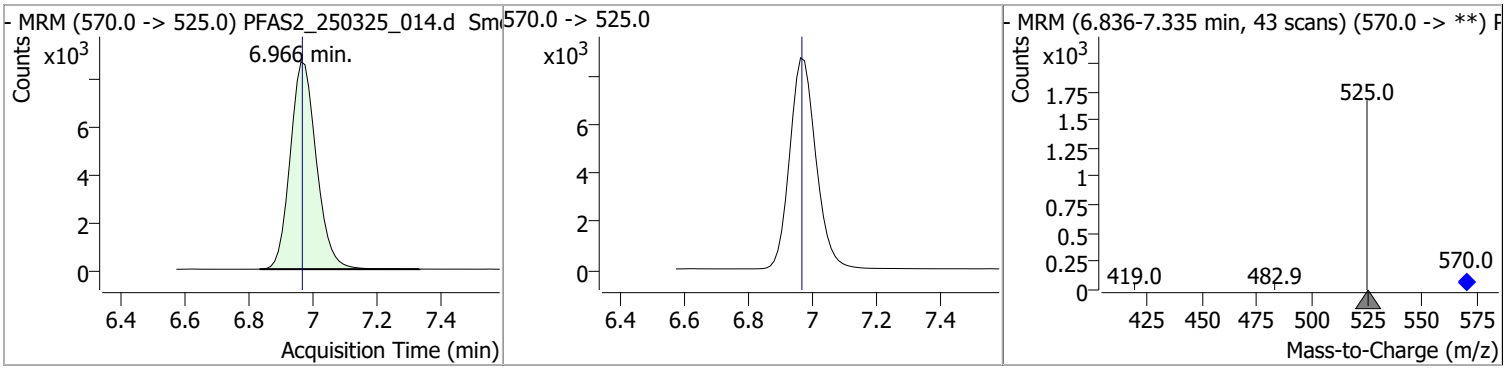
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	10.5110	6.93	0.00	80594				



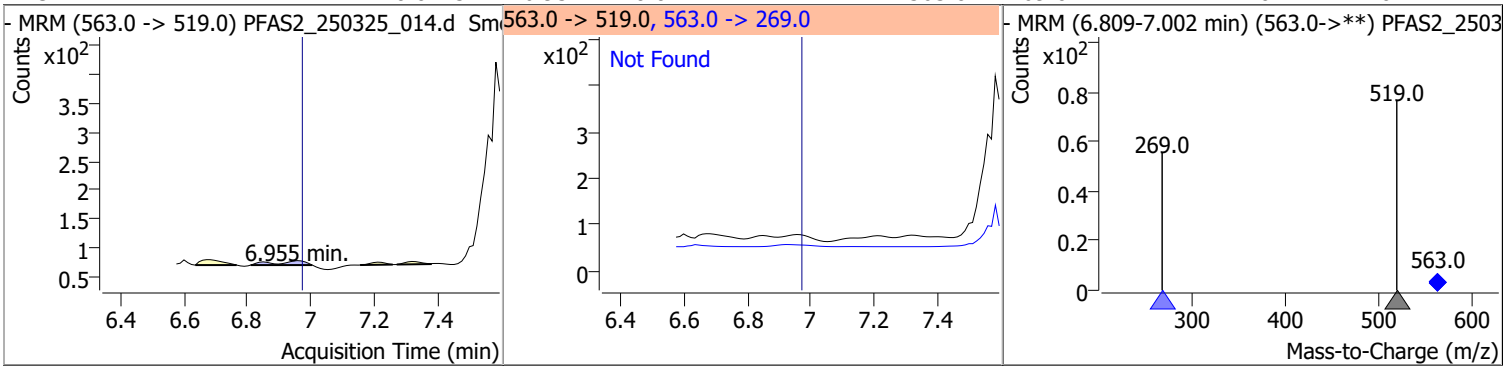
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0150	6.72	-0.22	59	584.0 -> 526.0		38.4	71.3



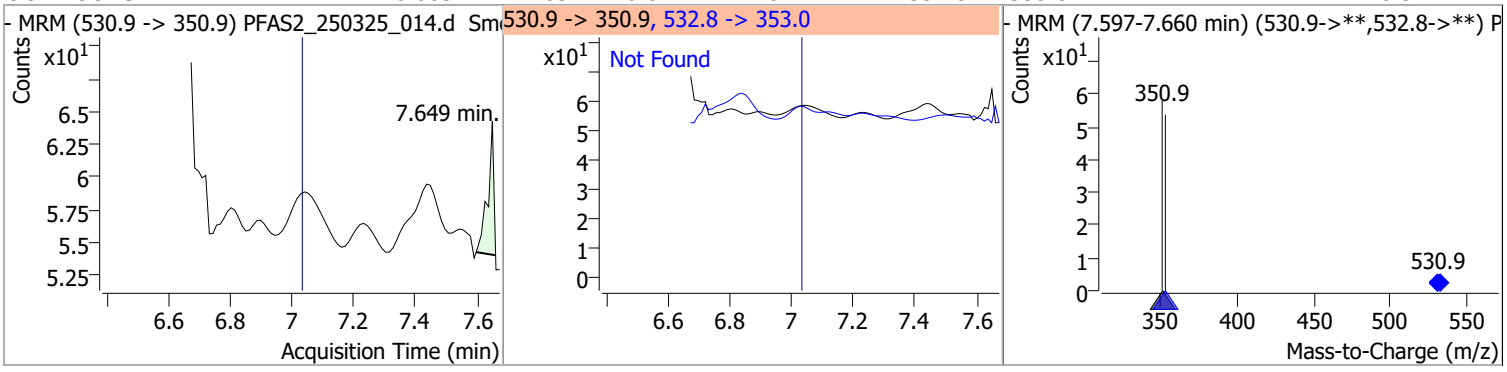
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3311	6.97	0.00	49575				



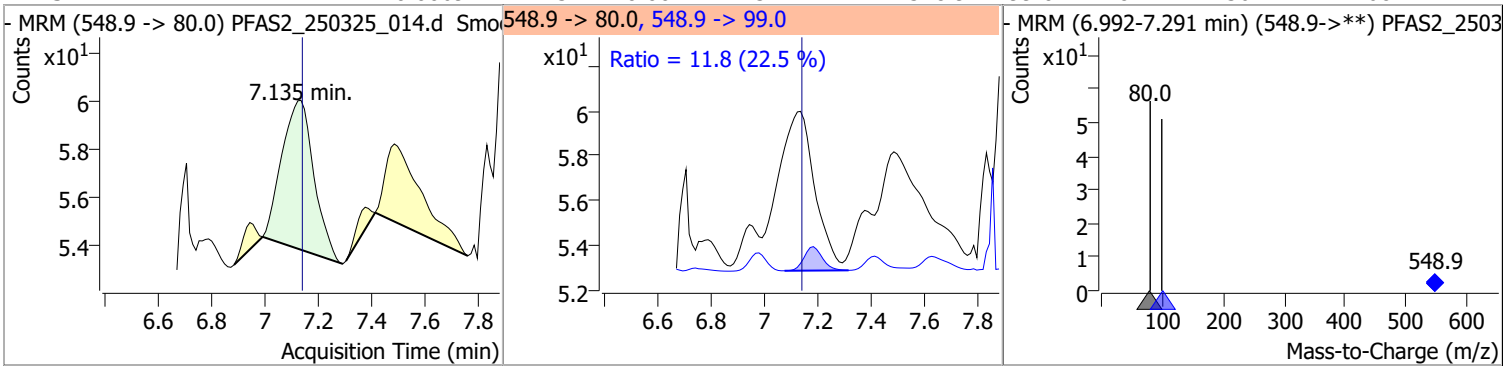
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0145	6.95	-0.01	47	563.0 -> 269.0		11.0	20.4



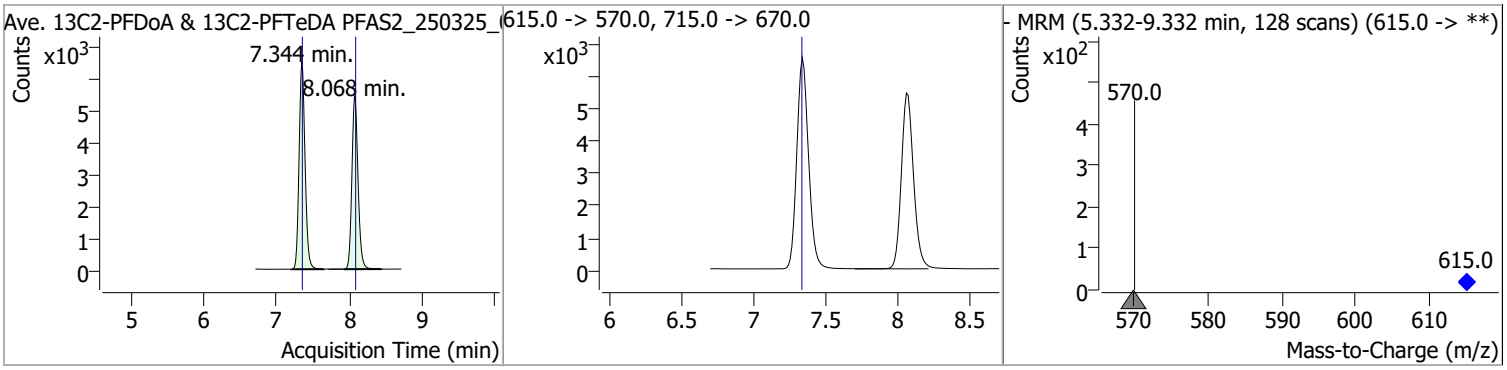
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0652	7.65	0.62	10	532.8 -> 353.0		21.7	40.3



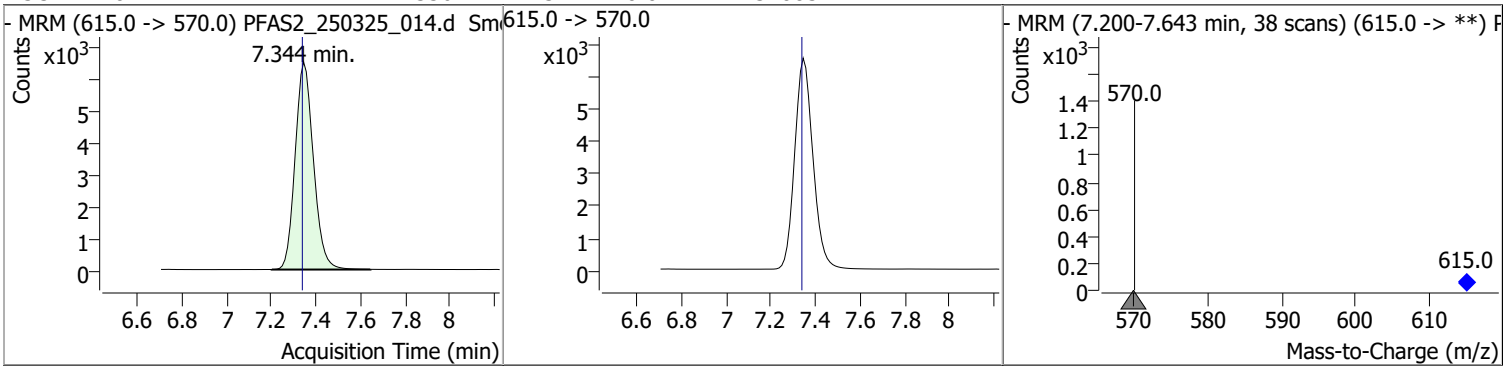
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0069	7.13	0.00	51	548.9 -> 99.0	11.8	36.7	68.1



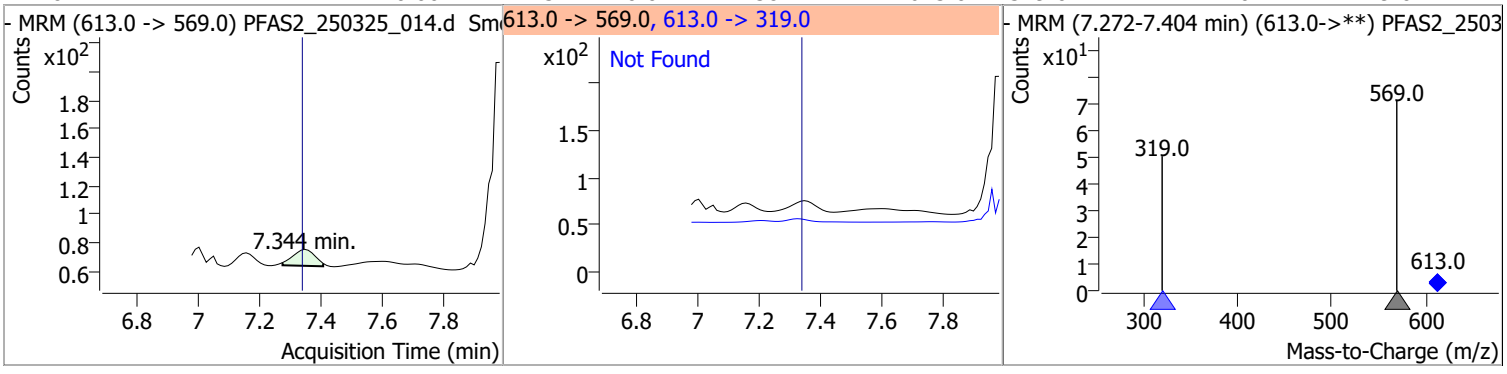
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1272	7.71	0.37	34603				



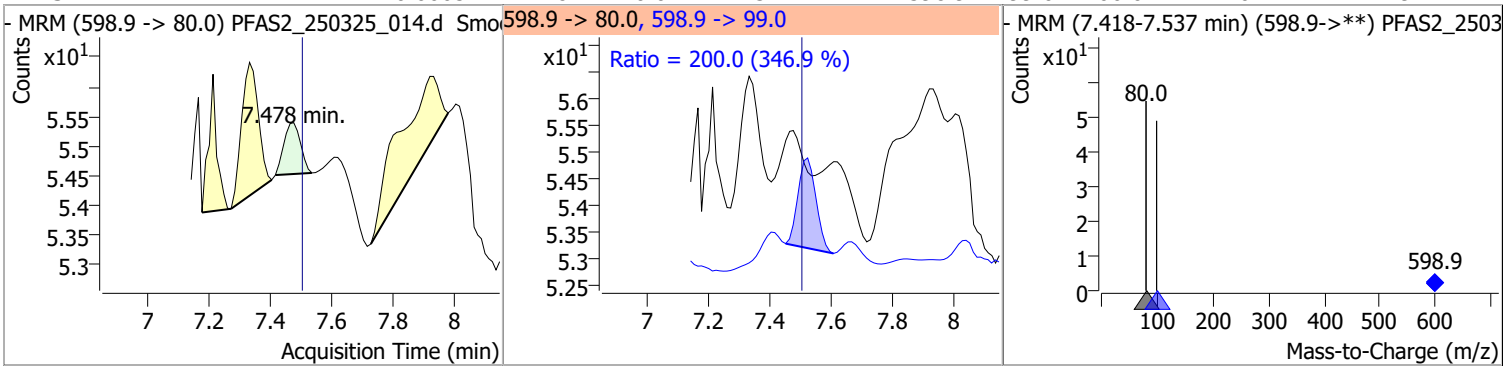
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3364	7.34	0.01	37083				



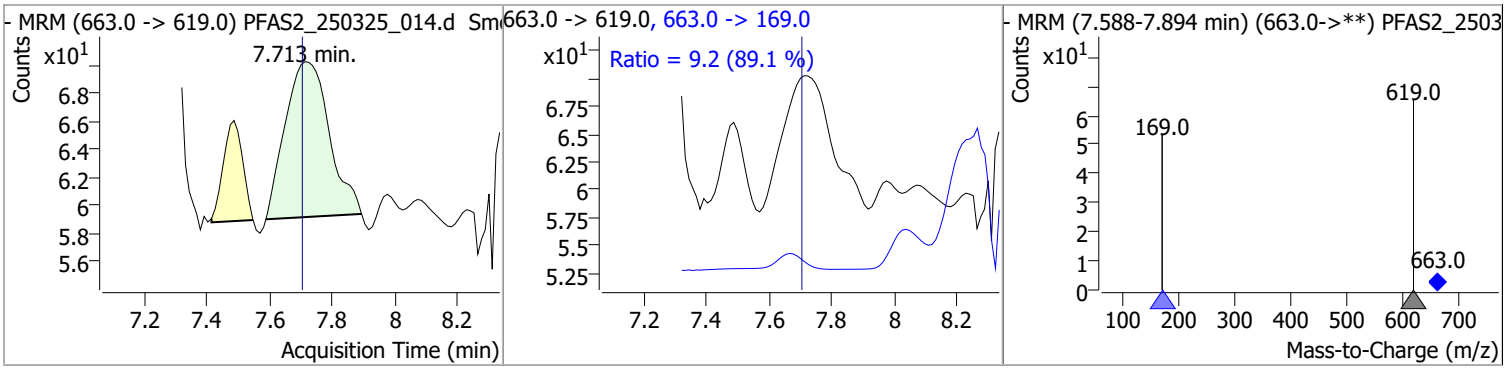
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0021	7.34	0.01	58	613.0 -> 319.0		10.2	19.0



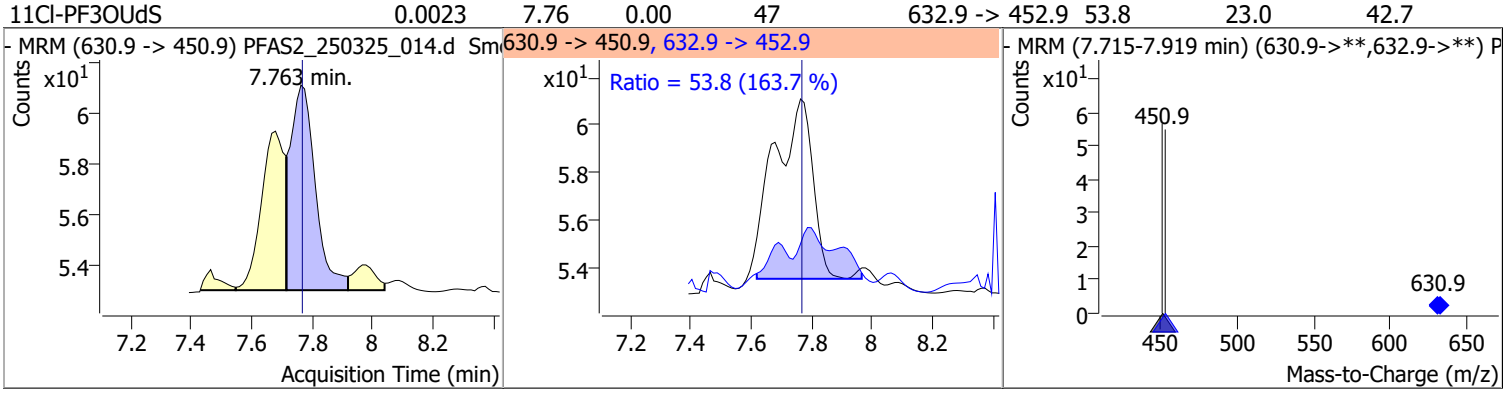
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0005	7.48	-0.02	3	598.9 -> 99.0	200.0	40.4	74.9



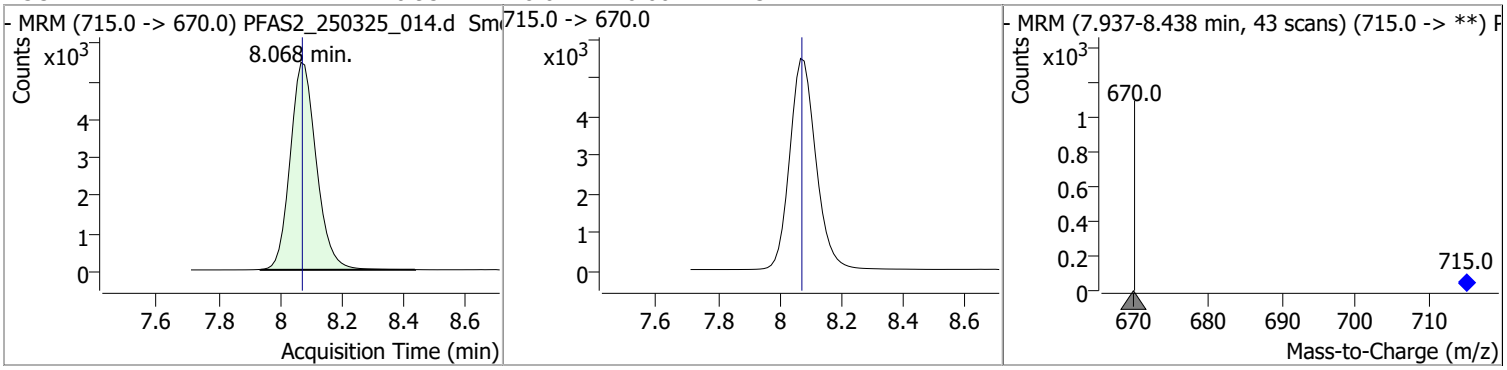
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0041	7.71	0.01	108	663.0 -> 169.0	9.2	7.2	13.4



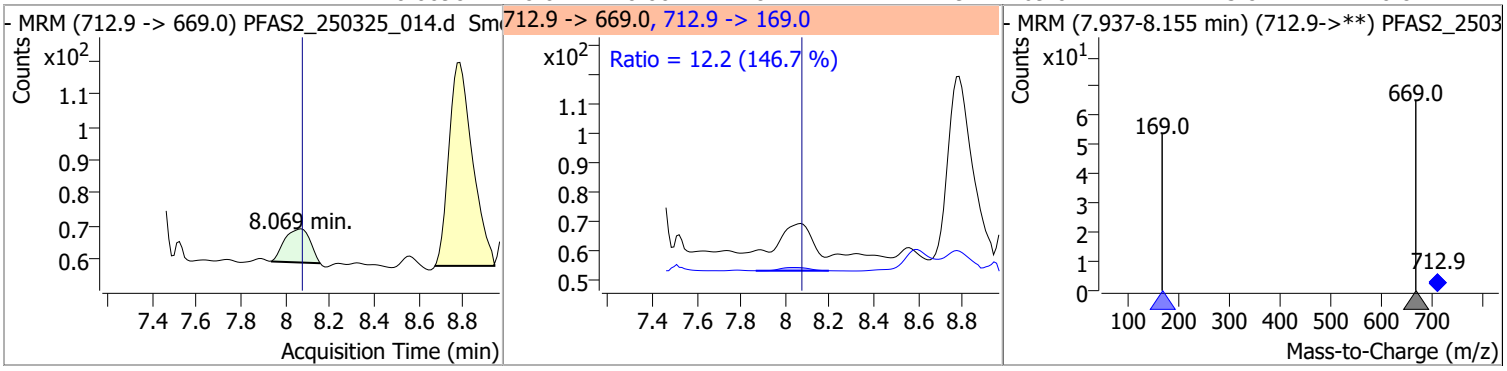
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0023	7.76	0.00	47	632.9 -> 452.9	53.8	23.0	42.7



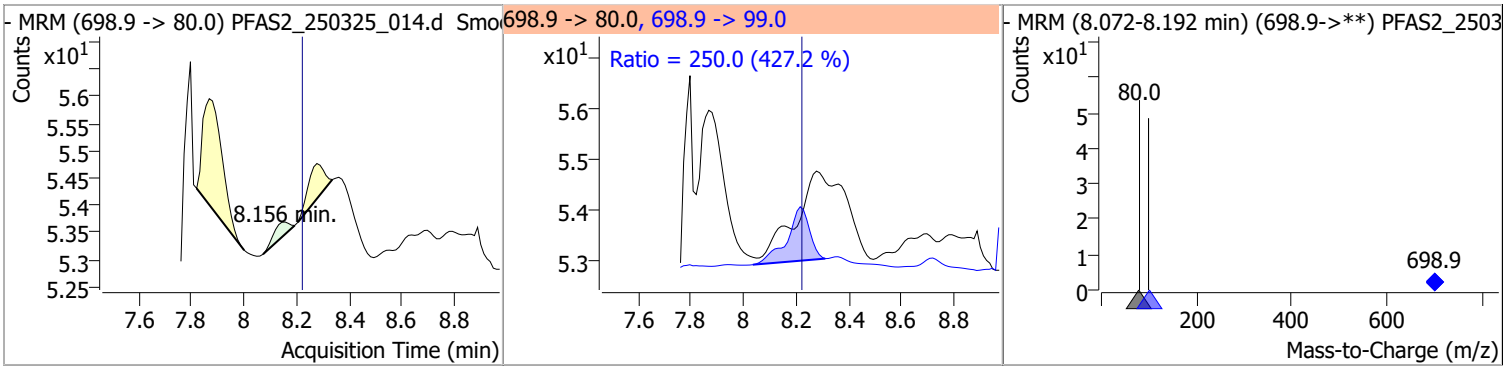
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9547	8.07	0.00	32124				



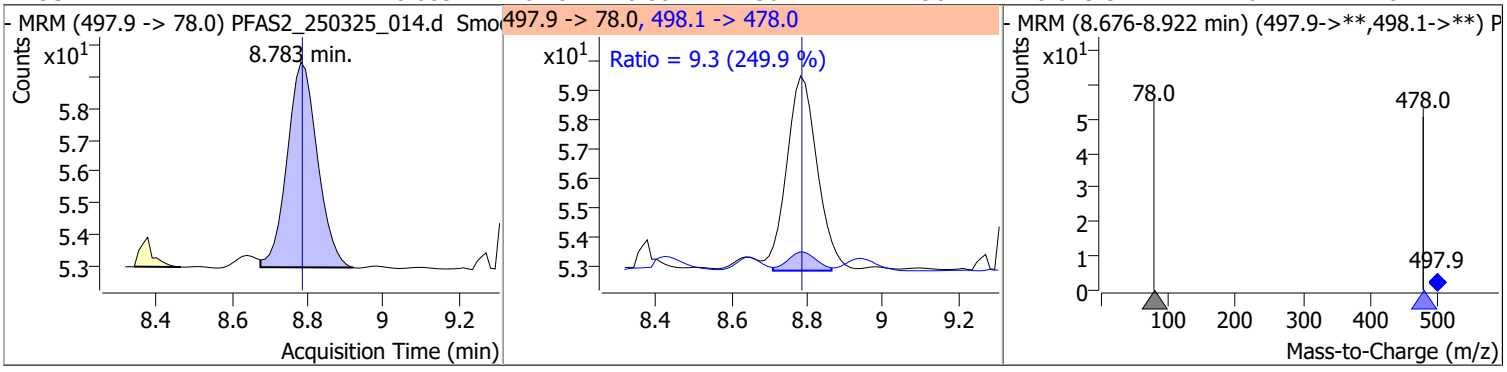
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0098	8.07	0.00	81	712.9 -> 169.0	12.2	5.8	10.8



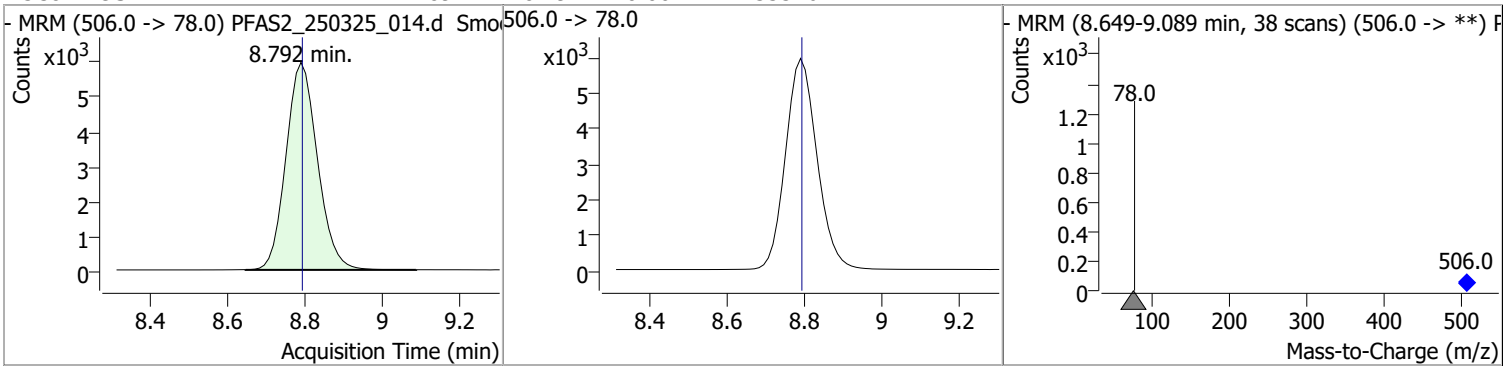
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0005	8.16	-0.06	2	698.9 -> 99.0	250.0	41.0	76.1



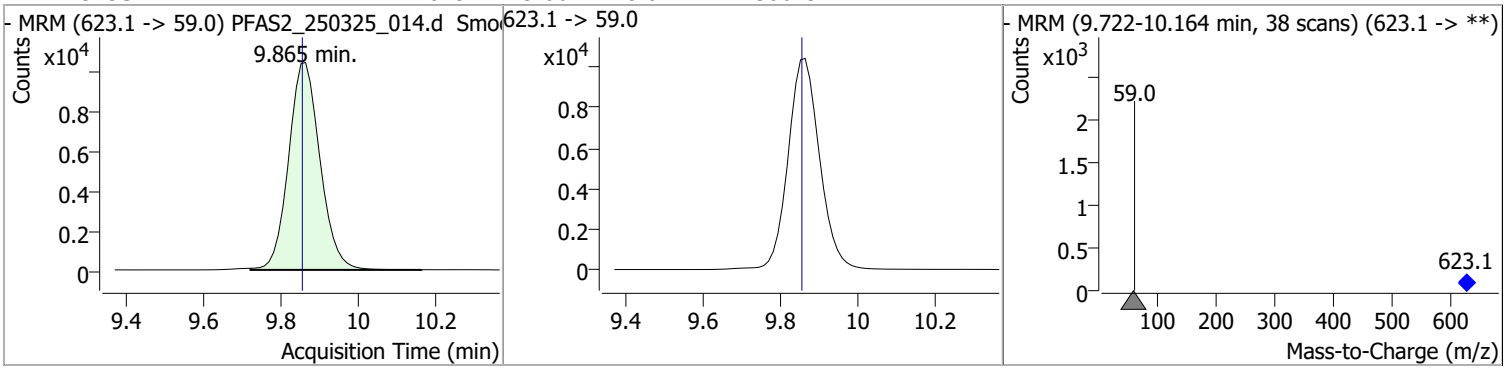
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0031	8.78	0.00	36	498.1 -> 478.0	9.3	2.6	4.8



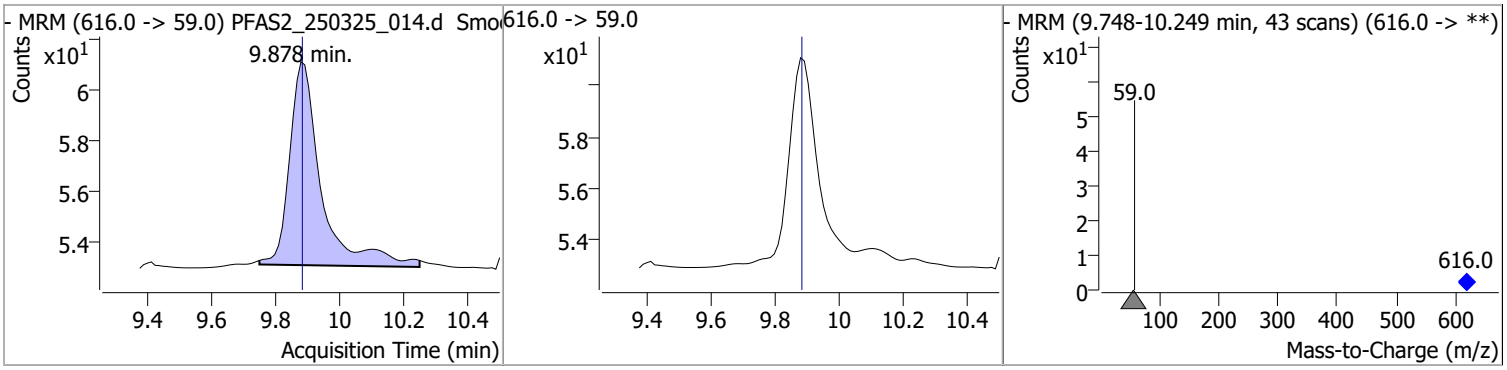
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4897	8.79	0.00	33516				



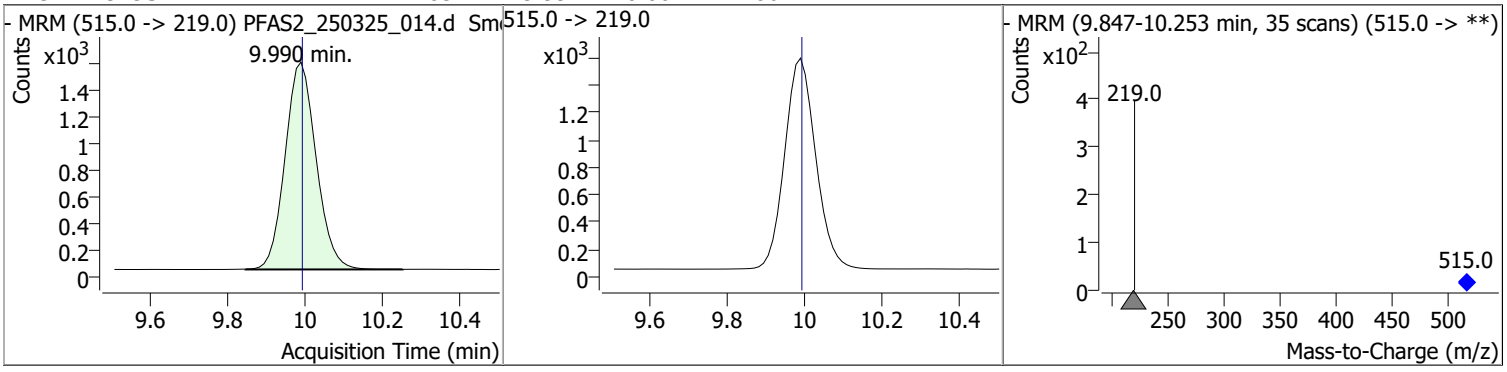
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.8454	9.86	0.01	58619				



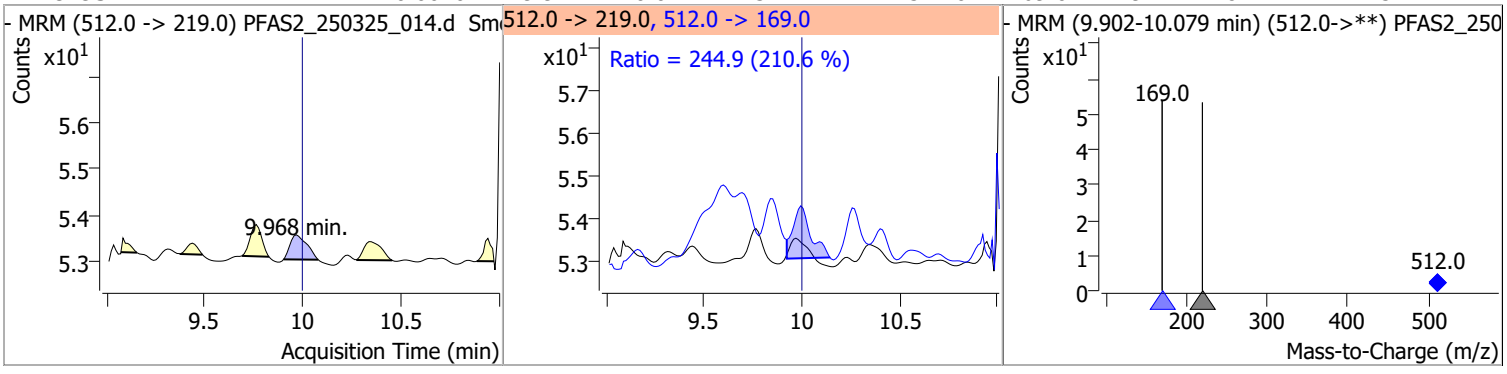
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	55				



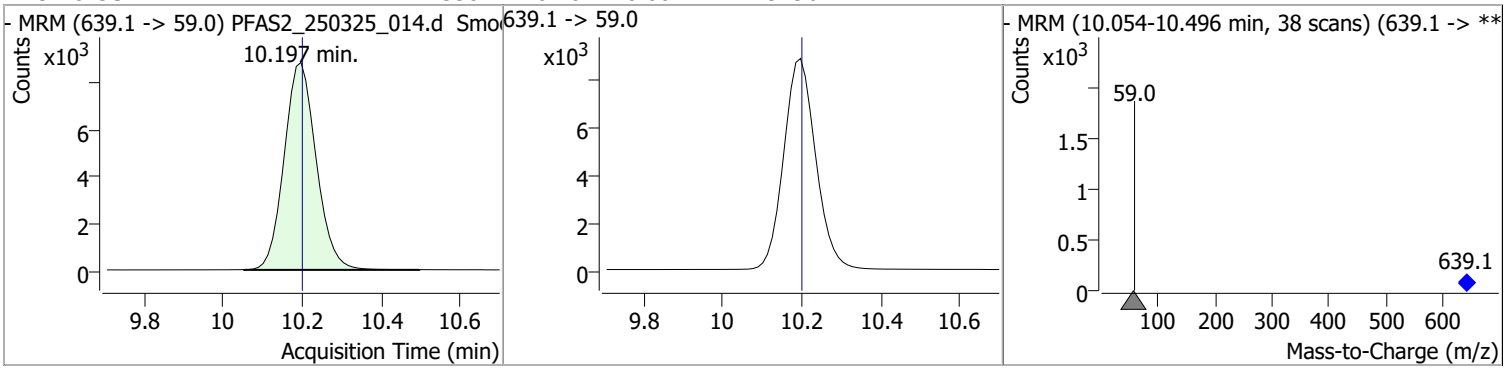
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2834	9.99	0.00	8627				



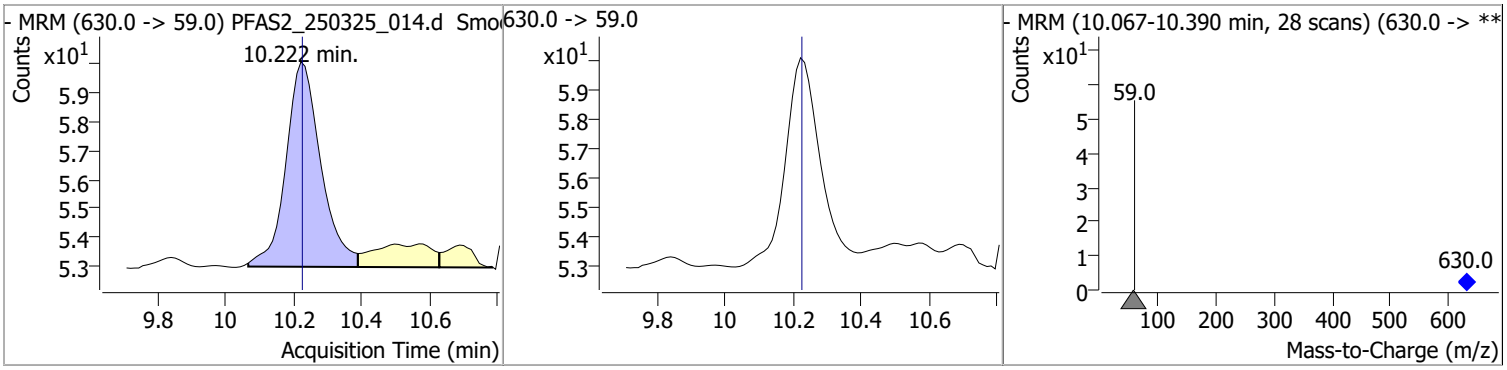
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0010	9.97	-0.02	3	512.0 -> 169.0	244.9	81.4	151.2



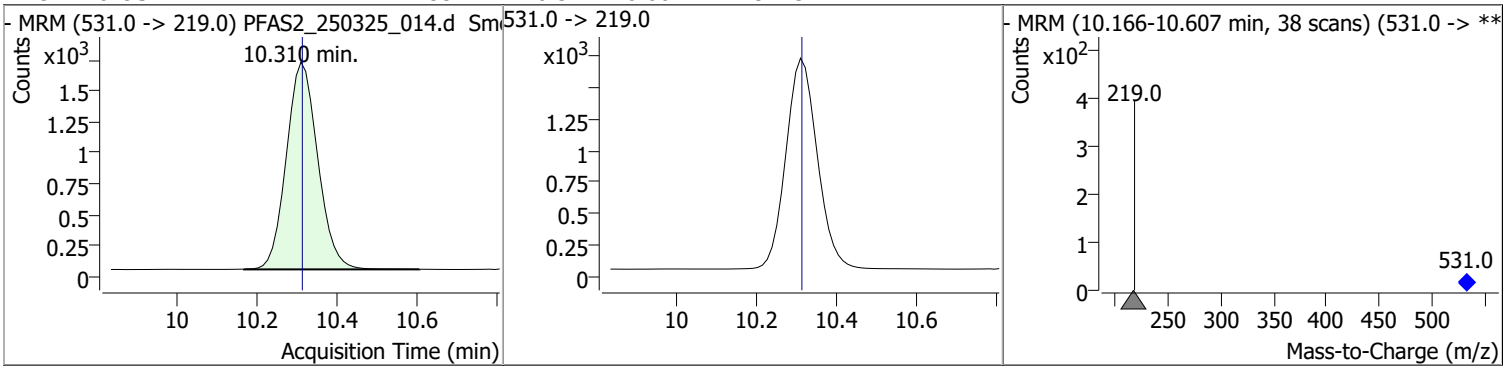
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4338	10.20	0.00	49496				



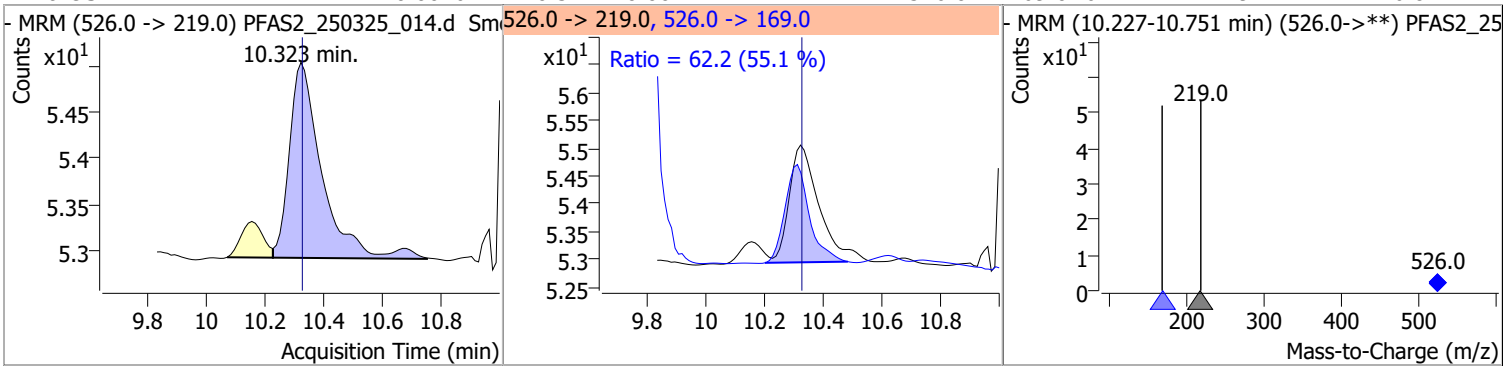
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0381	10.22	0.00	51				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2552	10.31	0.00	9213				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0046	10.32	0.00	17	526.0 -> 169.0	62.2	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW24-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-02	File ID:	PFAS2_250325_015.d
Sampled:	03/13/25 10:17	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:58
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	519.6719 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.03	0.46	3.08	6.16	J
2706-90-3	PFPeA	3.49	0.13	1.54	3.08	
307-24-4	PFHxA	2.38	0.13	0.77	1.54	
375-85-9	PFHpA	0.91	0.15	0.77	1.54	J
335-67-1	PFOA	0.62	0.12	0.77	1.54	J
375-95-1	PFNA		0.09	0.77	1.54	U
335-76-2	PFDA		0.13	0.77	1.54	U
2058-94-8	PFUnA		0.18	0.77	1.54	U
307-55-1	PFDoA		0.11	0.77	1.54	U
72629-94-8	PFTrDA		0.07	0.77	1.54	U
376-06-7	PFTeDA		0.12	0.77	1.54	U
375-73-5	PFBS	6.29	0.18	0.68	1.37	
2706-91-4	PFPeS	0.36	0.20	0.73	1.45	J
355-46-4	PFHxS	2.74	0.22	0.70	1.40	
375-92-8	PFHpS		0.39	0.73	1.46	U
1763-23-1	PFOS	0.85	0.21	0.89	1.79	J
68259-12-1	PFNS		0.19	0.74	1.48	U
335-77-3	PFDS		0.13	0.74	1.48	U
79780-39-5	PFDoS		0.08	0.75	1.49	U
757124-72-4	4:2FTS		0.39	2.89	5.77	U
27619-97-2	6:2FTS		2.67	2.92	5.85	U
39108-34-4	8:2FTS		0.59	2.95	5.91	U
754-91-6	PFOSA		0.10	0.77	1.54	U
31506-32-8	NMeFOSA		0.25	0.77	1.54	U
4151-50-2	NEtFOSA		0.30	0.77	1.54	U
2355-31-9	NMeFOSAA		0.42	0.77	1.54	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW24-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-02	File ID:	PFAS2_250325_015.d
Sampled:	03/13/25 10:17	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:58
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	519.6719 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.77	1.54	U
24448-09-7	NMeFOSE		0.97	7.70	15.4	U
1691-99-2	NEtFOSE		1.21	7.70	15.4	U
13252-13-6	HFPO-DA		0.39	1.54	3.08	U
919005-14-4	ADONA		0.14	1.45	2.91	U
756426-58-1	9CL-PF3ONS		0.17	1.44	2.88	U
763051-92-9	11CL-PF3OUdS		0.30	1.45	2.91	U
356-02-5	3:3FTCA		0.64	3.08	6.16	U
914637-49-3	5:3FTCA		3.52	15.4	30.8	U
812-70-4	7:3FTCA		2.94	15.4	30.8	U
113507-82-7	PFEESA		0.16	1.37	2.74	U
377-73-1	PFMPA		0.11	1.54	3.08	U
863090-89-5	PFMBA		0.12	1.54	3.08	U
151772-58-6	NFDHA		0.43	1.54	3.08	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_015.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:58:53 PM
Sample Name	O25C0608-02	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

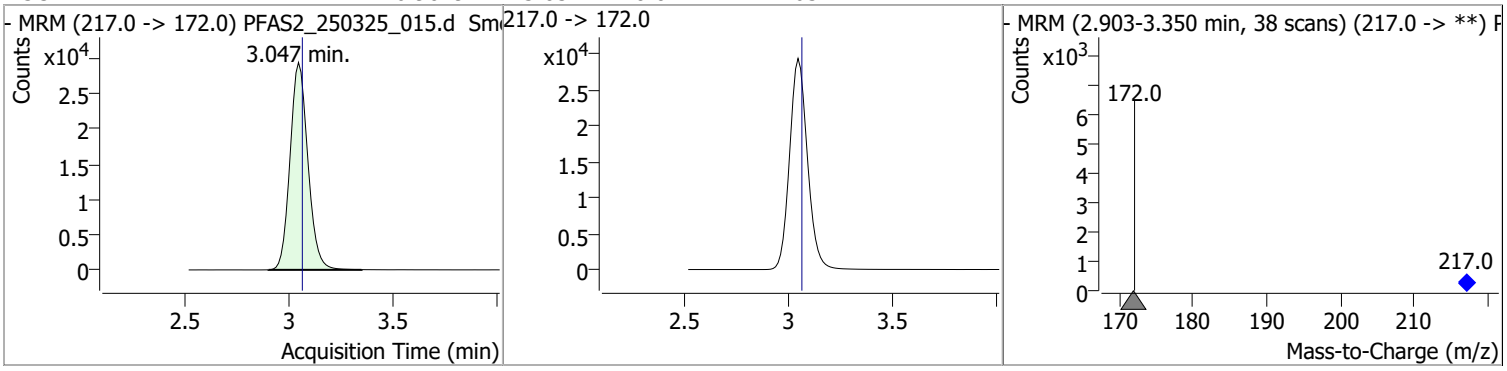
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	111329	5.0000	µg/L		-18.644
13C2-PFHxA	4.890	315.0 -> 270.0	126109	2.5000	µg/L		-17.804
18O2-PFHxS	5.955	403.0 -> 84.0	26238	2.5000	µg/L		-11.449
13C4-PFOA	5.823	417.0 -> 172.0	13578	2.5000	µg/L		-12.103
13C5-PFNA	6.214	468.0 -> 423.0	64193	1.2500	µg/L		-9.806
13C2-PFDA	6.592	515.0 -> 470.0	55819	1.2500	µg/L		-16.534
13C4-PFOS	6.759	503.0 -> 80.0	22680	2.5000	µg/L		-8.950
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	174637	10.0000	µg/L		-43.816
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 69.03%			
13C5-PFPeA	4.222	268.0 -> 223.0	174310	5.0000	µg/L		-15.759
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	174310	5.0000	µg/L		-15.759
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25827	5.0000	µg/L		2.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.91%			
13C5-PFHxA	4.889	318.0 -> 273.0	136124	2.5000	µg/L		-19.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.06%			
13C5-PFHxA	4.889	318.0 -> 273.0	136124	2.5000	µg/L		-19.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.06%			
13C3-PFBS	4.929	302.0 -> 80.0	51354	2.5000	µg/L		-15.430
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.61%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	148857	10.0000	µg/L		-14.827
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 103.62%			
13C4-PFHpA	5.385	367.0 -> 322.0	153851	2.5000	µg/L		-18.549
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.13%			
13C3-PFHxS	5.944	402.0 -> 80.0	28906	2.5000	µg/L		-17.290
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.43%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12847	5.0000	µg/L	#	-13.013
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.34%			
13C8-PFOA	5.823	421.0 -> 376.0	148205	2.5000	µg/L		-14.204
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.63%			
13C3-PFHxS	5.944	402.0 -> 80.0	28906	2.5000	µg/L		-17.290
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.43%			
13C9-PFNA	6.213	472.0 -> 427.0	63816	1.2500	µg/L		-9.435
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.37%			
13C8-PFOS	6.759	507.0 -> 80.0	21930	2.5000	µg/L		-13.264
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9045	5.0000	µg/L	#	-23.639
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 86.12%			
13C6-PFDA	6.591	519.0 -> 474.0	60550	1.2500	µg/L		-10.903
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.64%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47731	5.0000	µg/L		-14.489
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.81%			
13C8-PFOS	6.759	507.0 -> 80.0	21930	2.5000	µg/L		-13.264

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36053	5.0000	µg/L		-14.504
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.85%			
13C7-PFUnDA	6.978	570.0 -> 525.0	47826	1.2500	µg/L		-10.778
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.88%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	32794	1.2500	µg/L		-25.662
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.92%			
13C2-PFDoDA	7.344	615.0 -> 570.0	35136	1.2500	µg/L		-12.040
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.39%			
13C2-PFTDA	8.068	715.0 -> 670.0	30452	1.2500	µg/L		-36.932
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 75.33%			
13C8-PFOSA	8.792	506.0 -> 78.0	31427	2.5000	µg/L		-14.973
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.20%			
13C8-PFOSA	8.792	506.0 -> 78.0	31427	2.5000	µg/L		-14.973
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.20%			
2H7-MeFOSE	9.865	623.1 -> 59.0	55688	25.0000	µg/L		-55.678
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 48.72%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8459	2.5000	µg/L		-18.419
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.39%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49647	25.0000	µg/L		-21.827
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.83%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8834	2.5000	µg/L		-21.406
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.33%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	5180	0.4190	µg/L		100
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.682	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	10907	0.3623	µg/L		100
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.787	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	12071	0.2478	µg/L		100
PFBS	4.918	298.9 -> 80.0	13926	0.6535	µg/L		91
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.165	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	4391	0.0950	µg/L		98
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.494	348.9 -> 80.0	584	0.0374	µg/L		91
DONA	5.468	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	0.000		0	N.D.			
PFOA	5.824	413.0 -> 369.0	1670	0.0647	µg/L	#m	85
PFHxS	5.945	398.9 -> 80.0	3202	0.2848	µg/L		93
PFNA	6.773	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.227	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.507	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.567	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.597	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.719	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	502	0.0880	µg/L	#	77
N-EtFOSAA	6.989	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.967	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.304	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.111	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.368	613.0 -> 569.0	0	0.0000	µg/L	md	

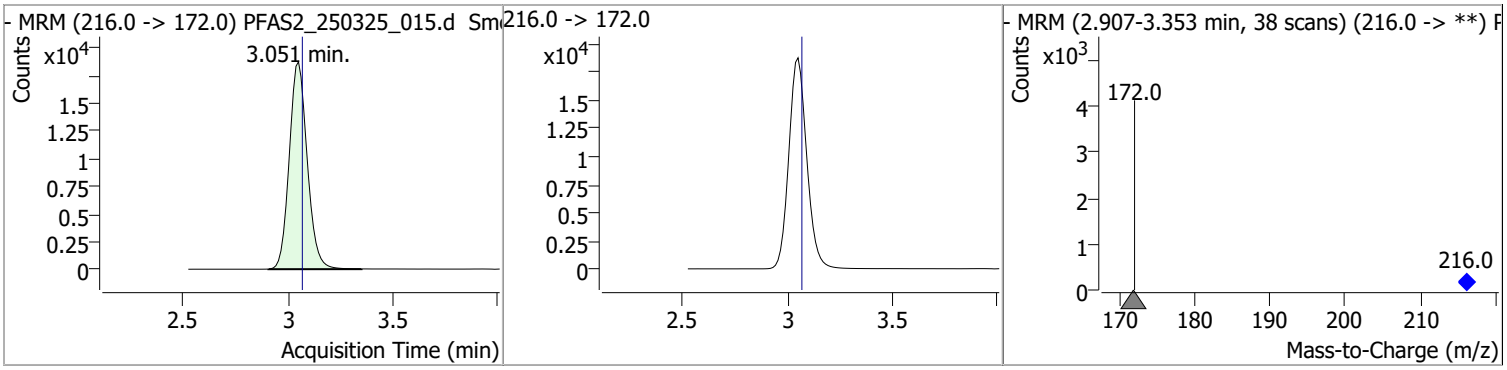
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.478	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.593	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.763	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.093	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.252	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	45	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	35	0.0289	µg/L		100
N-EtFOSA	10.406	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

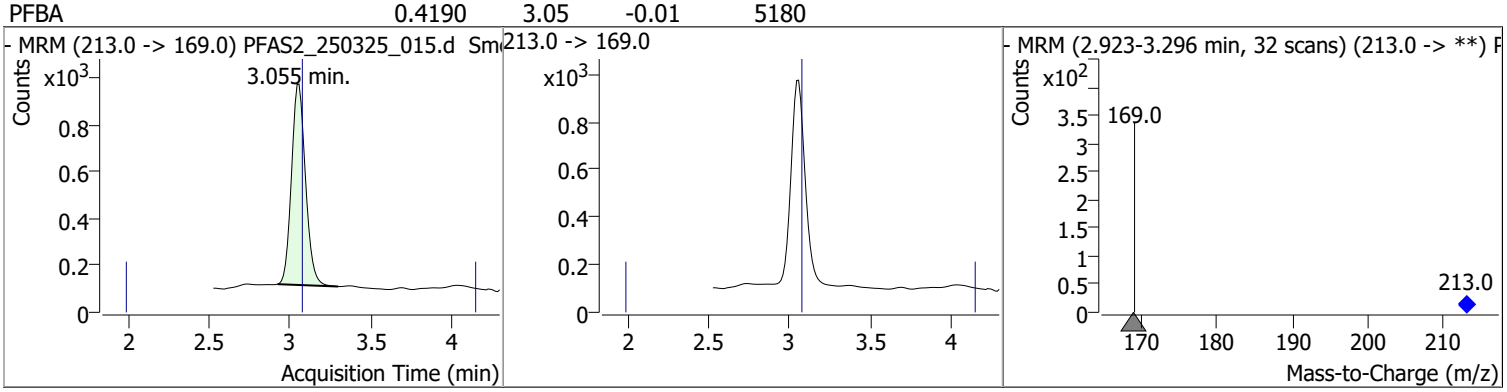
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.9029	3.05	-0.01	174637				



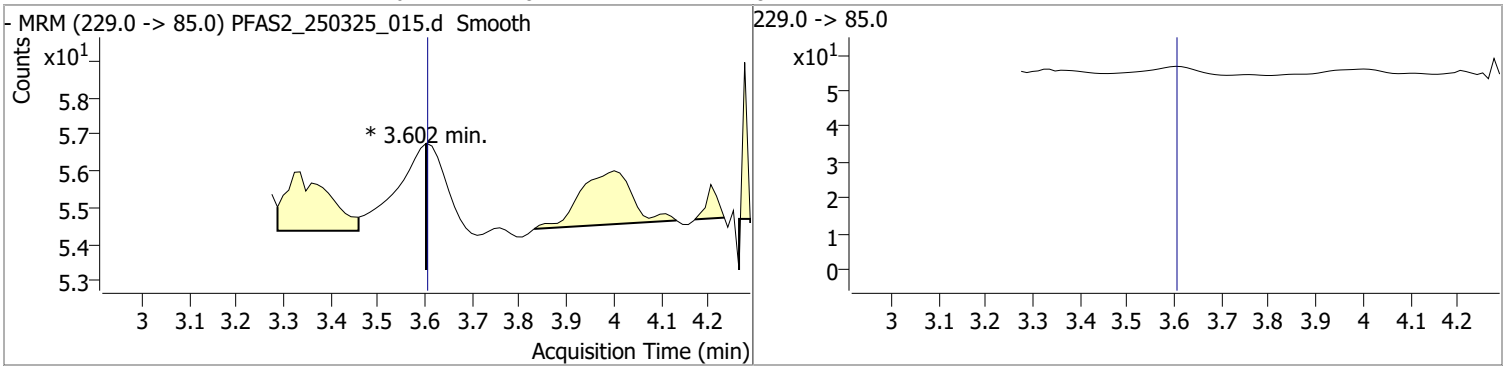
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	111329				



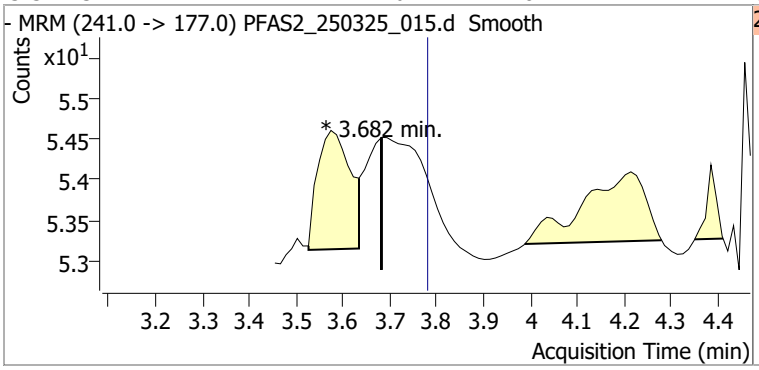
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4190	3.05	-0.01	5180				

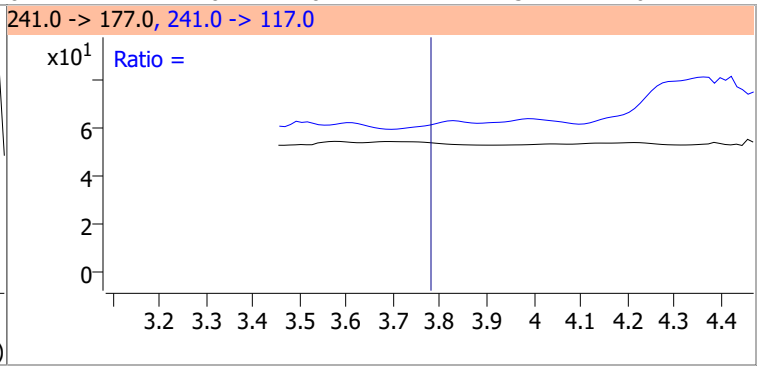


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

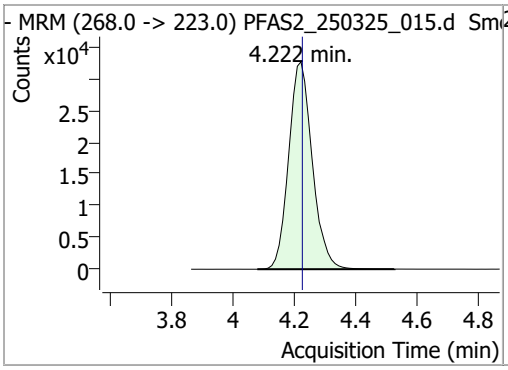


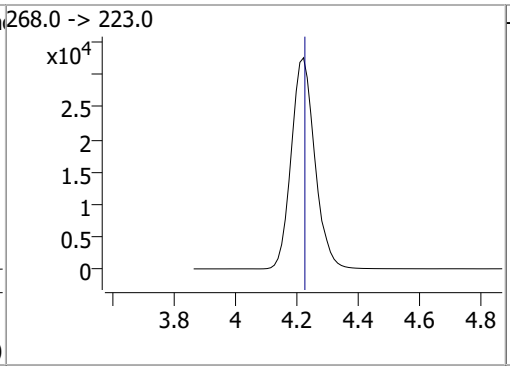
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

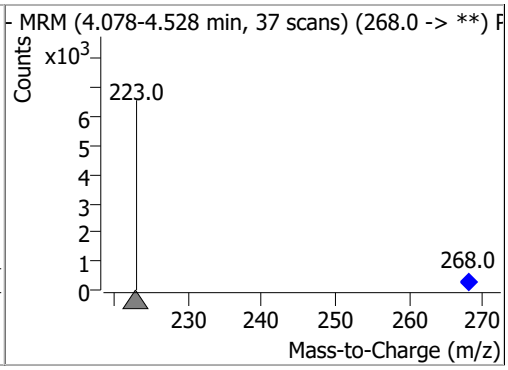




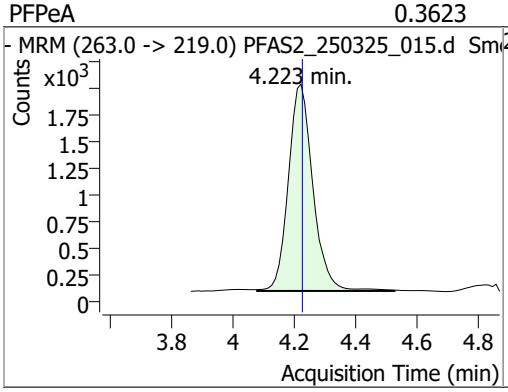
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1247	4.22	0.00	174310				

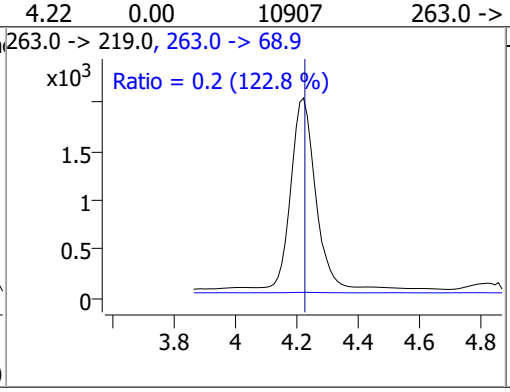


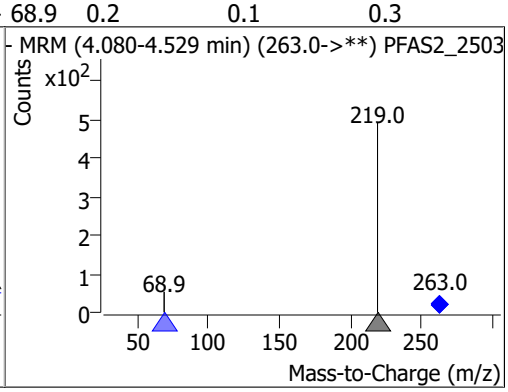




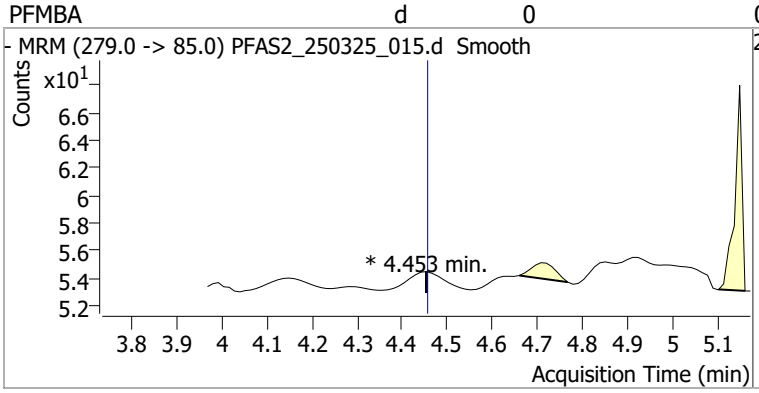
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.3623	4.22	0.00	10907	263.0 -> 68.9	0.2	0.1	0.3

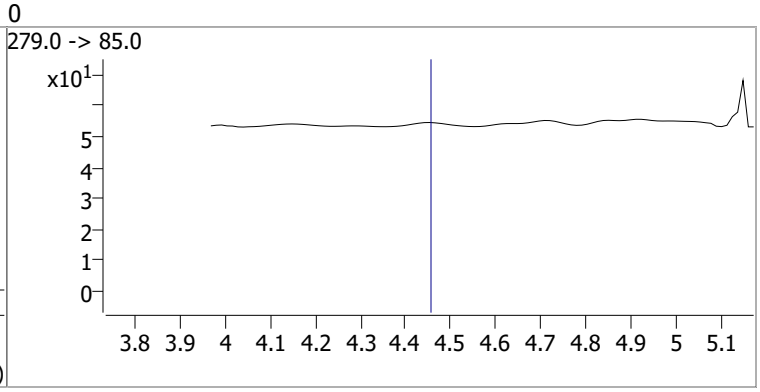




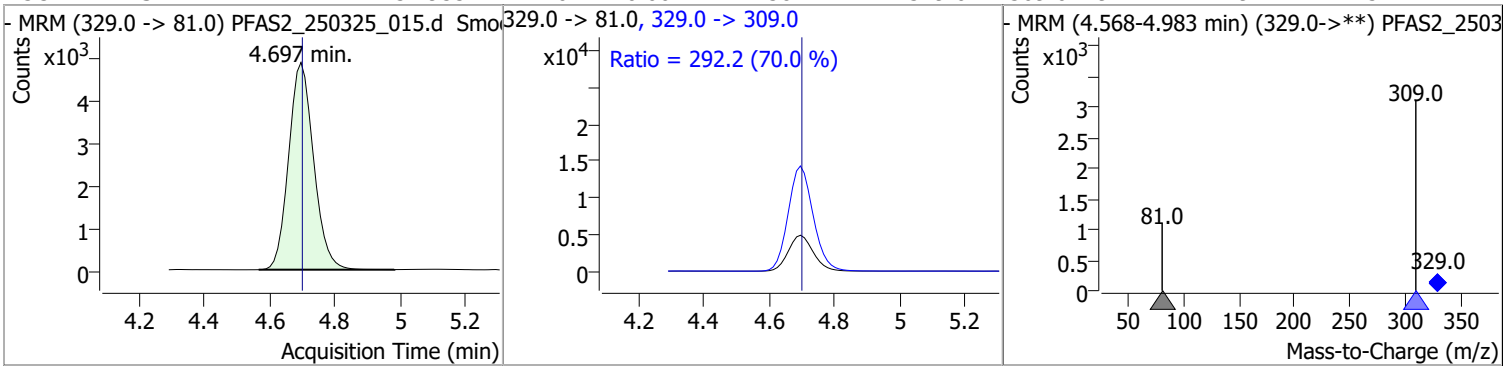


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

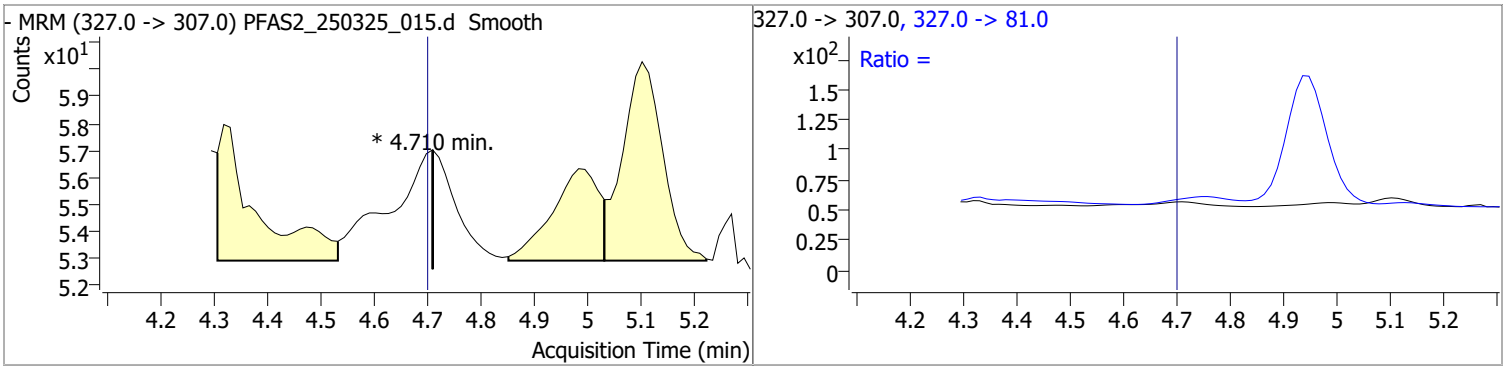




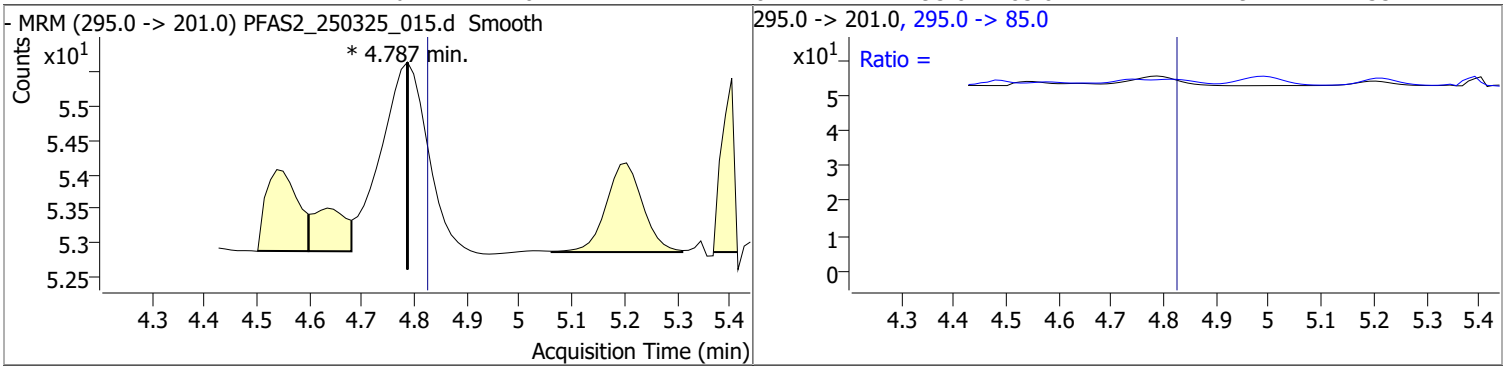
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7955	4.70	0.00	25827	329.0 -> 309.0	292.2	292.1	542.4



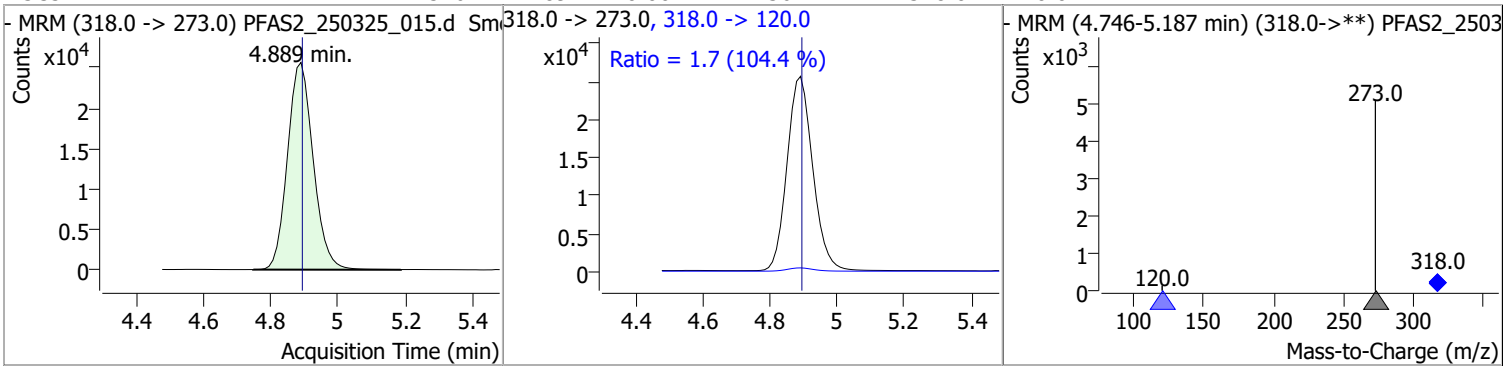
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



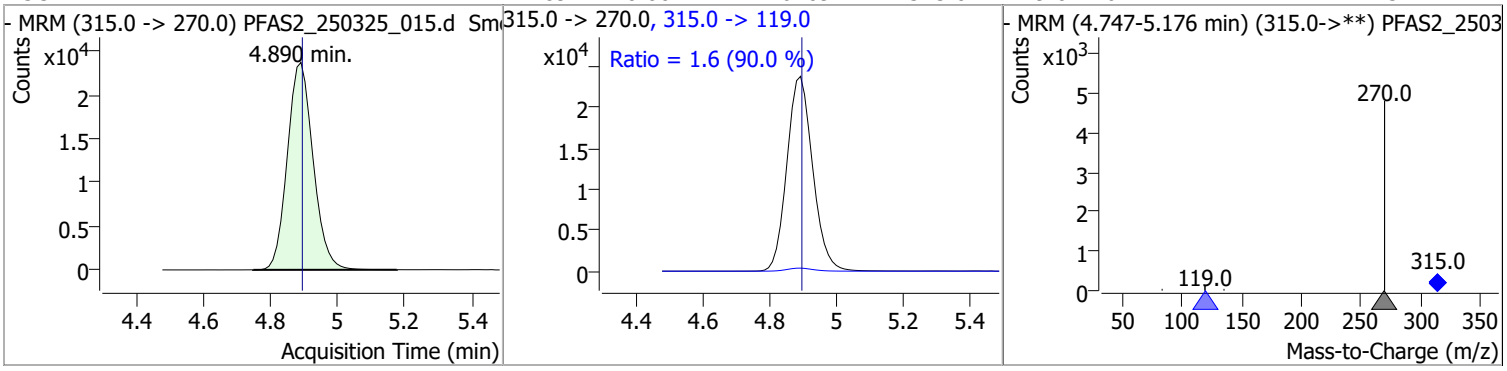
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



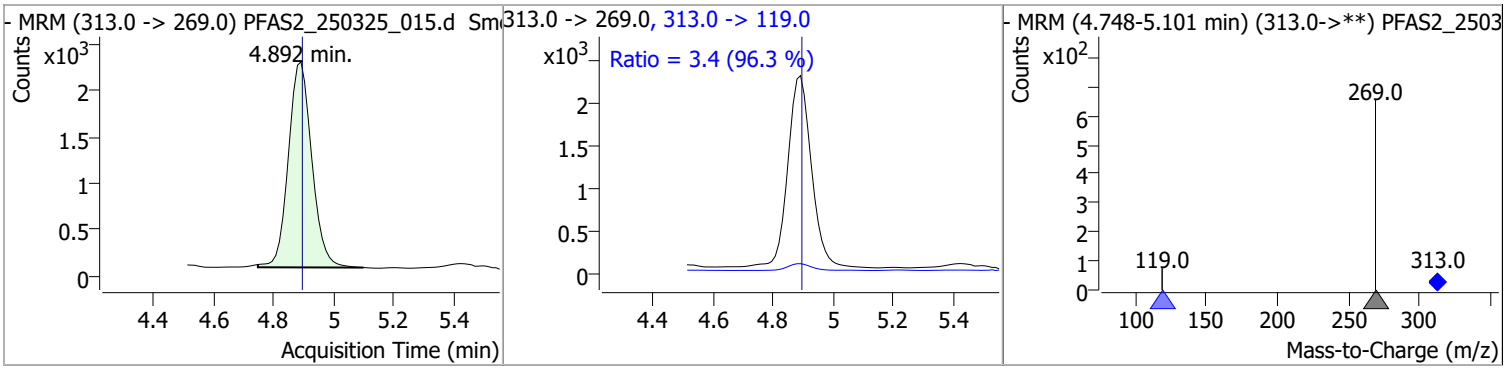
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4516	4.89	0.00	136124	318.0 -> 120.0	1.7	1.1	2.1



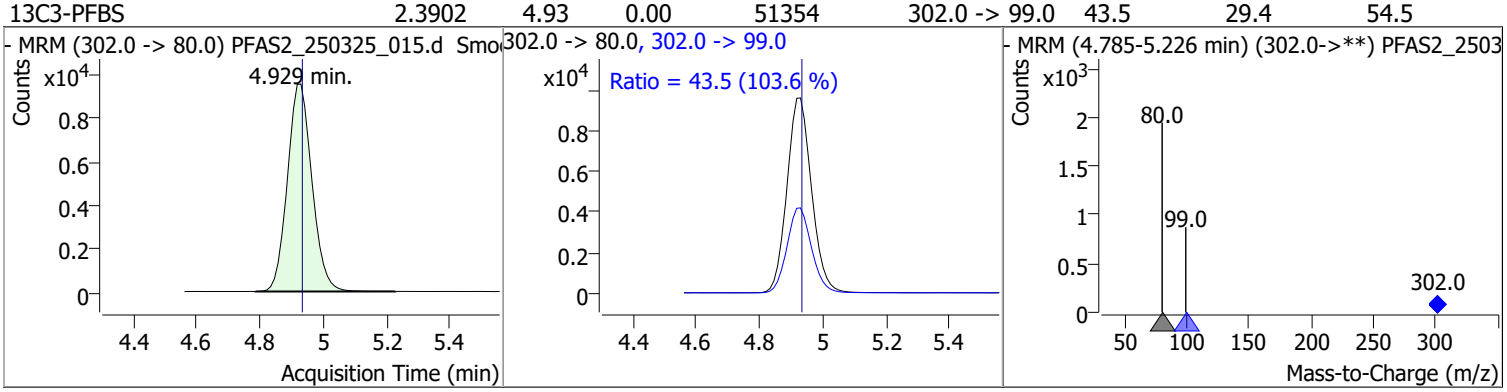
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	126109	315.0 -> 119.0	1.6	1.2	2.3



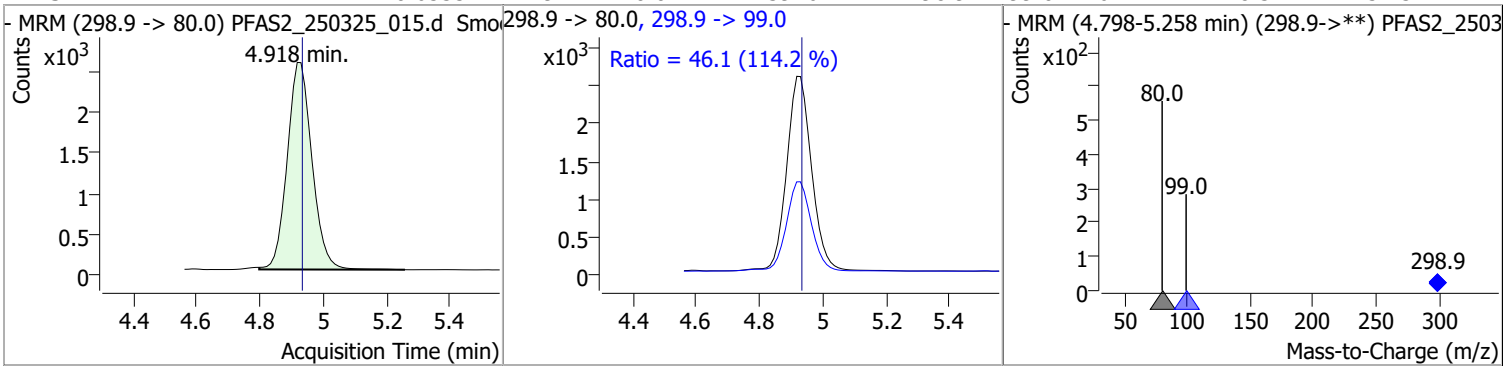
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2478	4.89	0.00	12071	313.0 -> 119.0	3.4	2.4	4.5



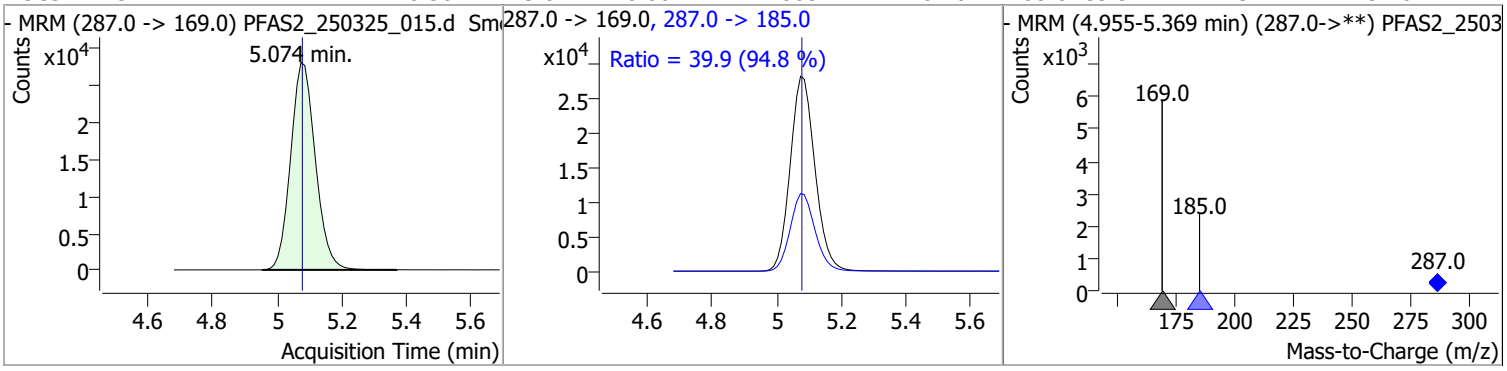
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3902	4.93	0.00	51354	302.0 -> 99.0	43.5	29.4	54.5



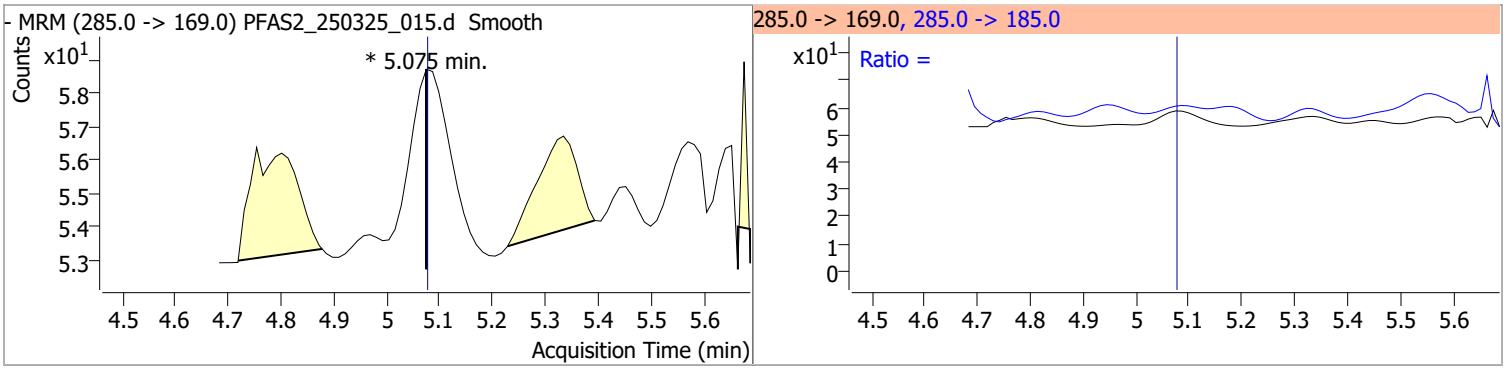
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6535	4.92	-0.01	13926	298.9 -> 99.0	46.1	28.3	52.5



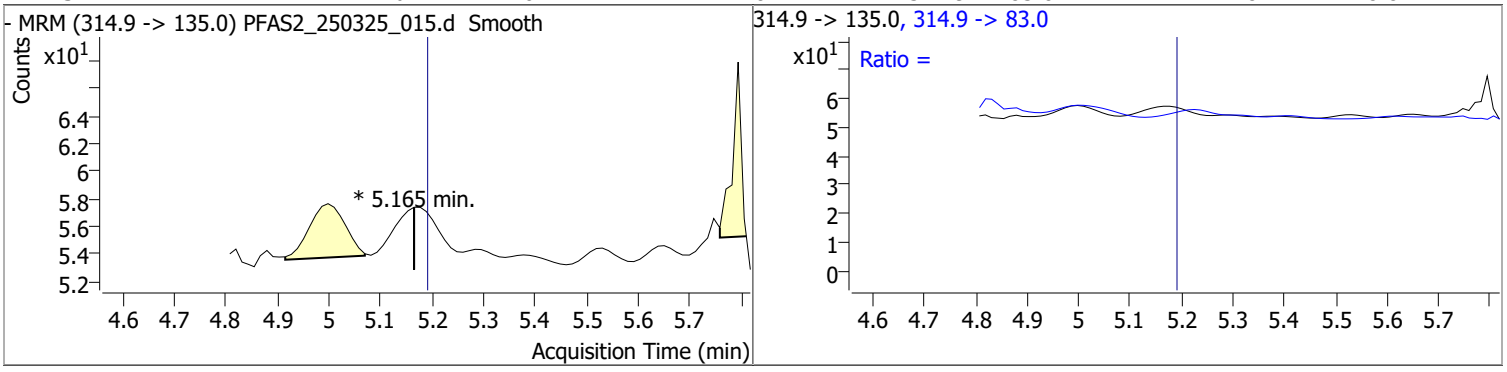
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3617	5.07	0.00	148857	287.0 -> 185.0	39.9	29.4	54.6



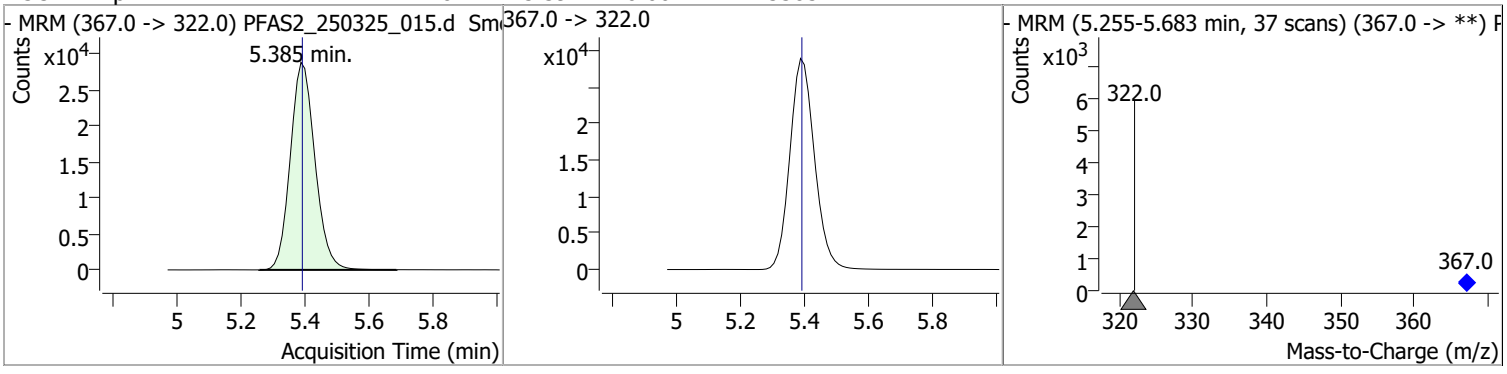
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



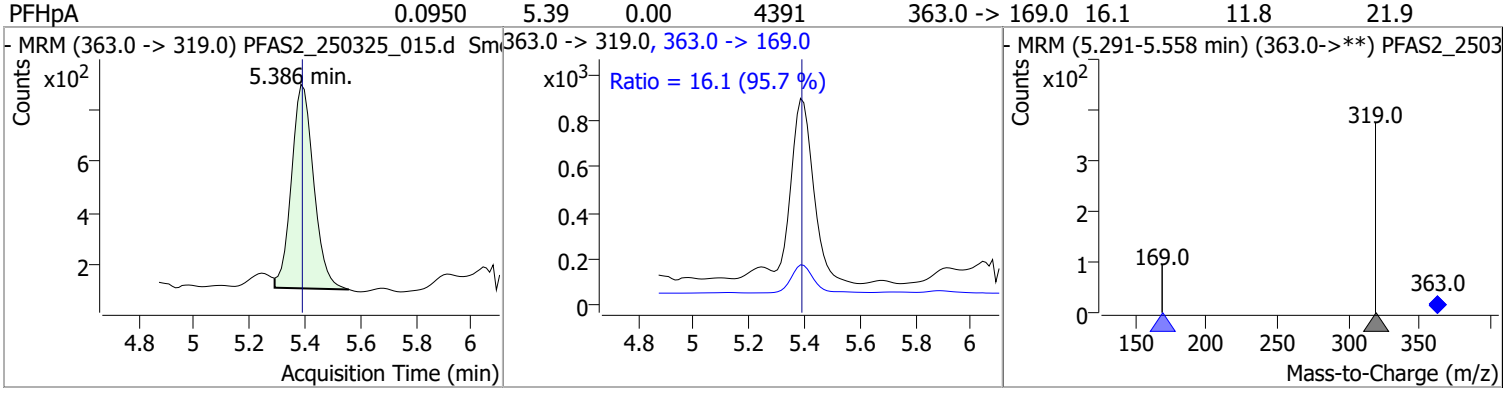
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



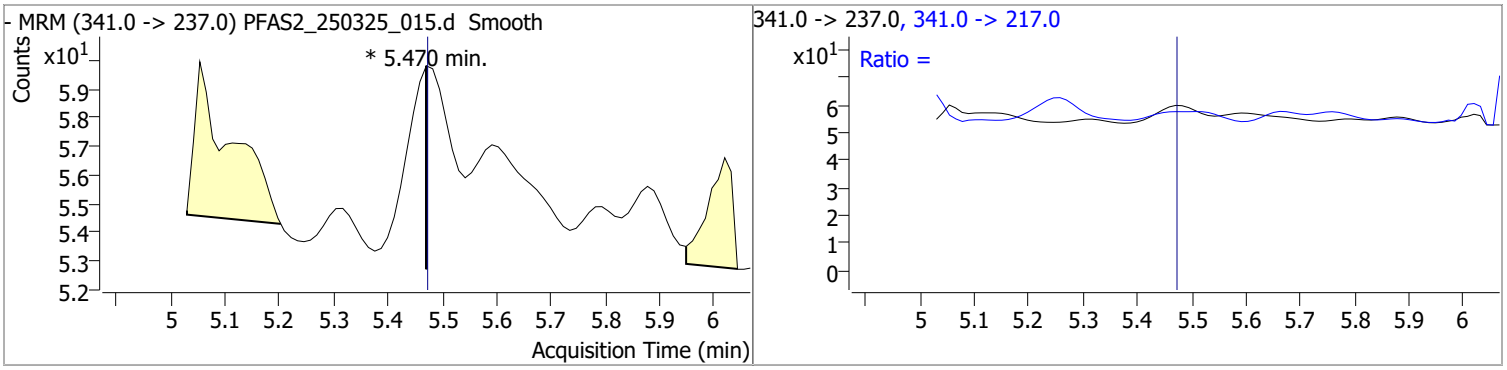
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4781	5.39	0.00	153851				



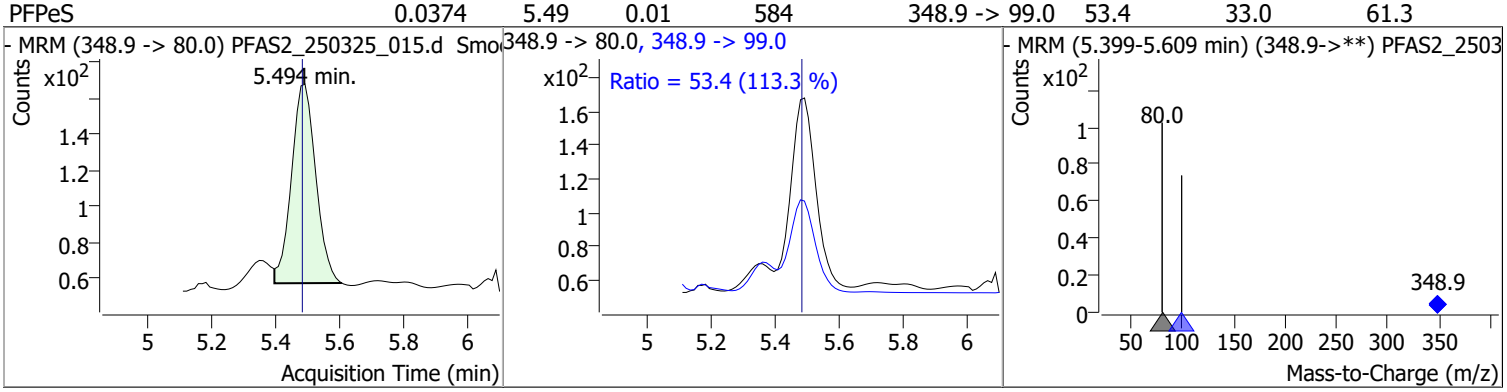
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0950	5.39	0.00	4391	363.0 -> 169.0	16.1	11.8	21.9



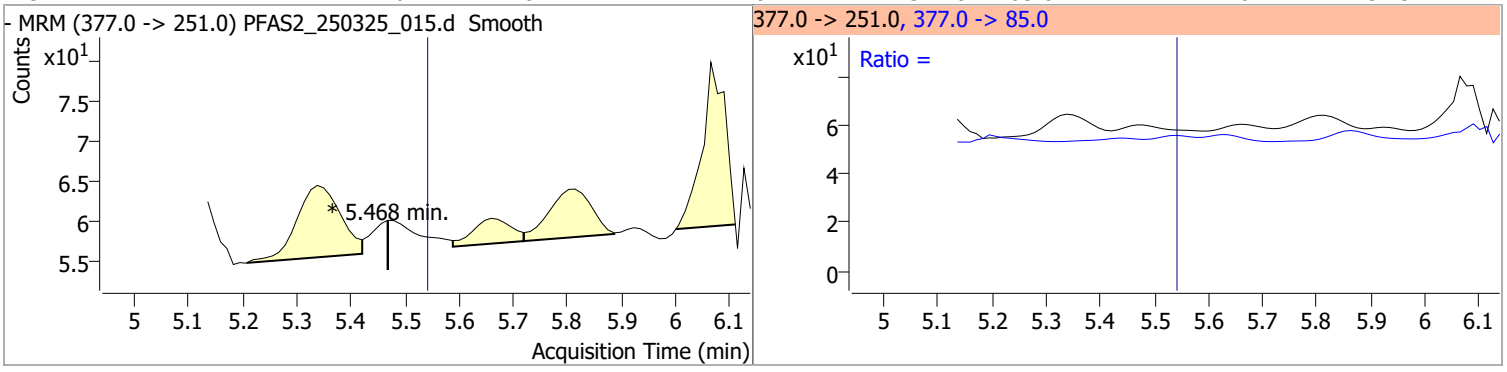
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



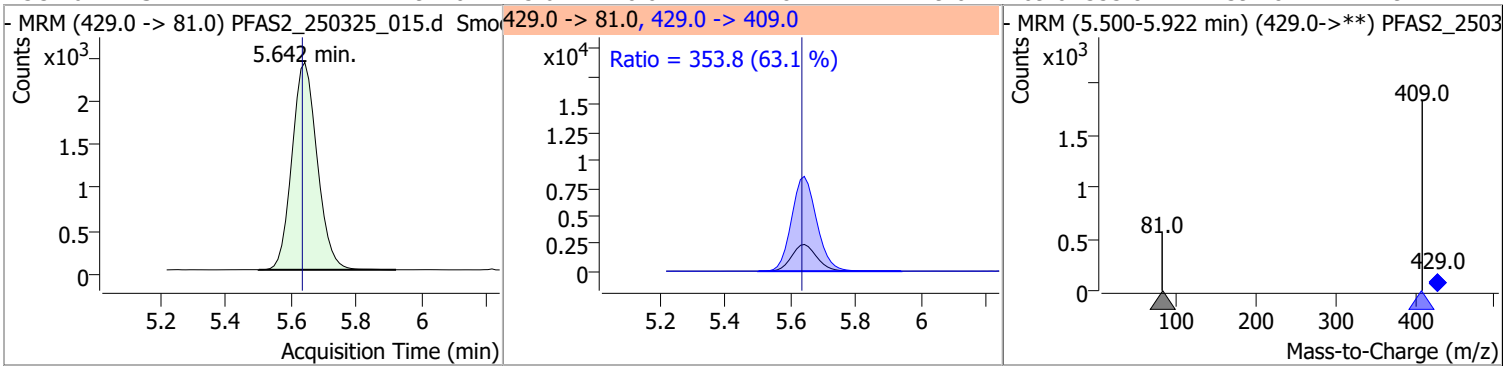
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0374	5.49	0.01	584	348.9 -> 99.0	53.4	33.0	61.3



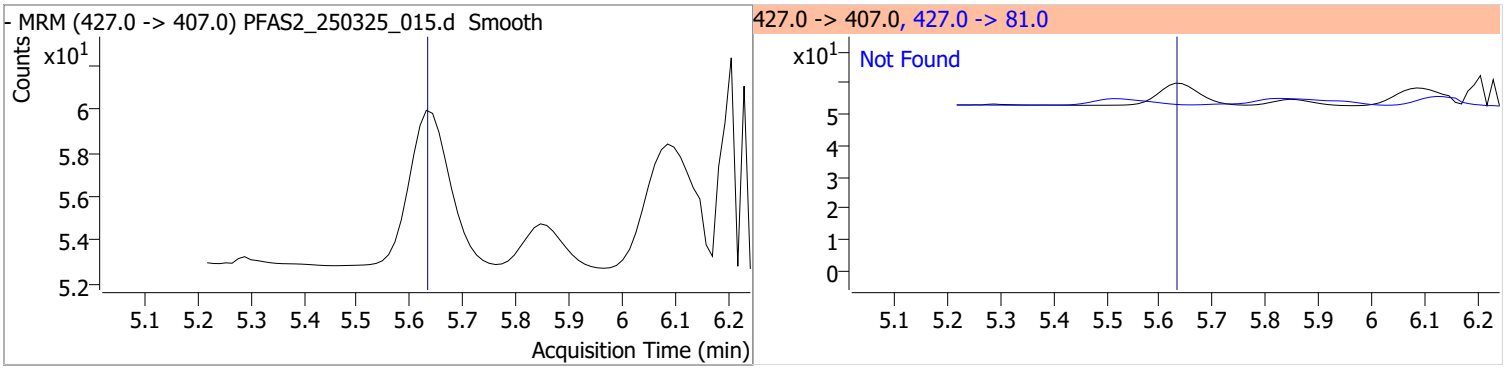
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



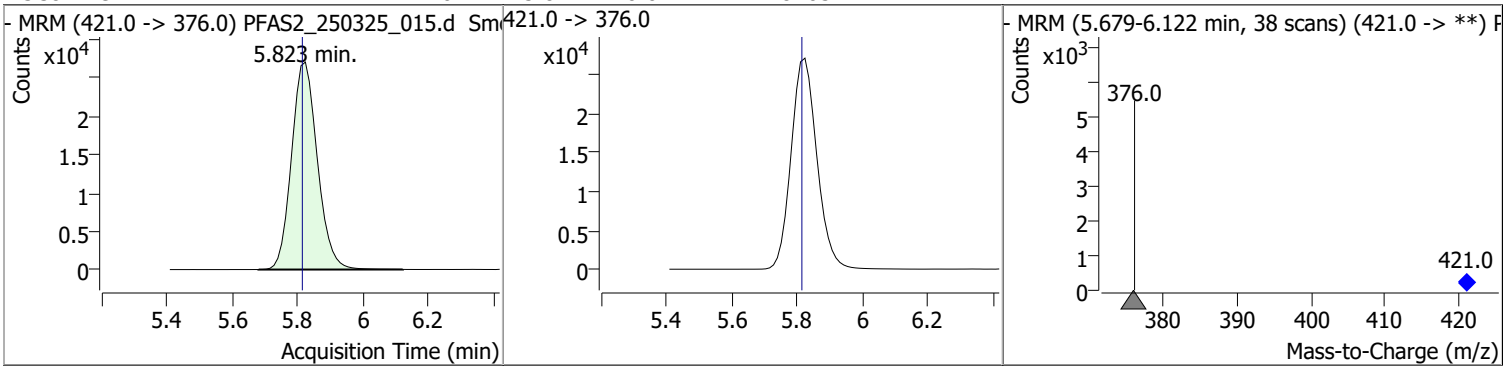
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9170	5.64	0.01	12847	429.0 -> 409.0	353.8	392.8	729.4



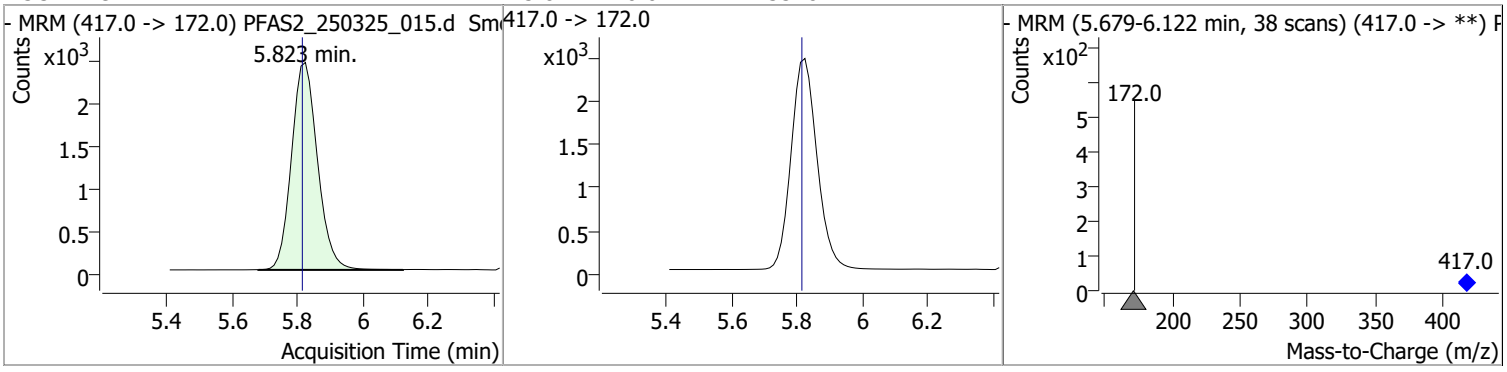
Compound	Conc.	Exp RT	QIon	Exp Ratio
6-2 FTSA	N.D.	5.63	427.0 -> 81.0	25.2



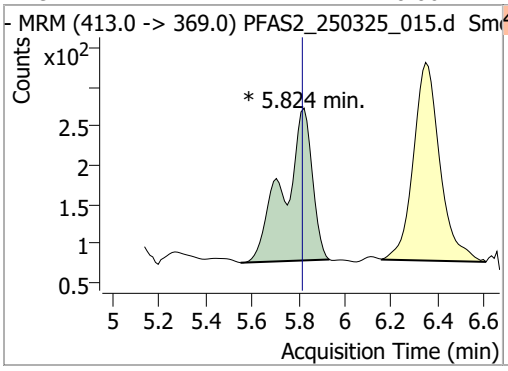
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4407	5.82	0.01	148205				

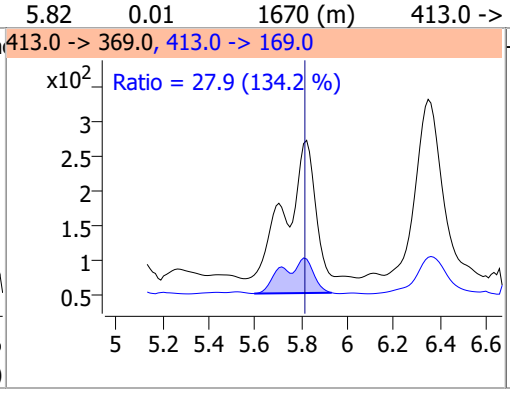


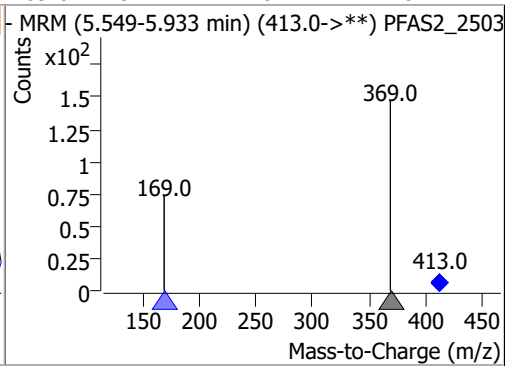
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13578				



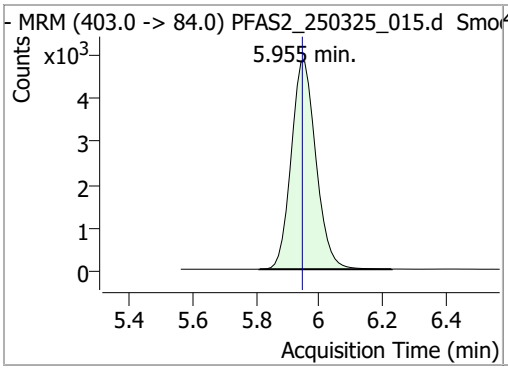
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0647	5.82	0.01	1670 (m)	413.0 -> 169.0	27.9	14.6	27.0

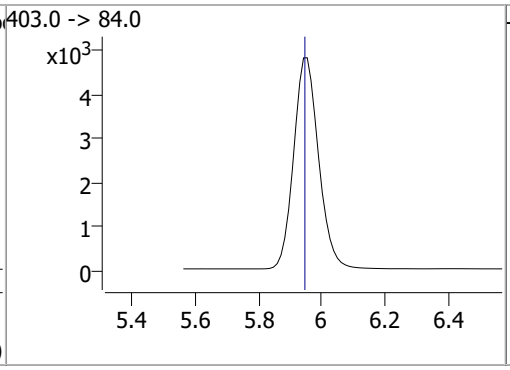


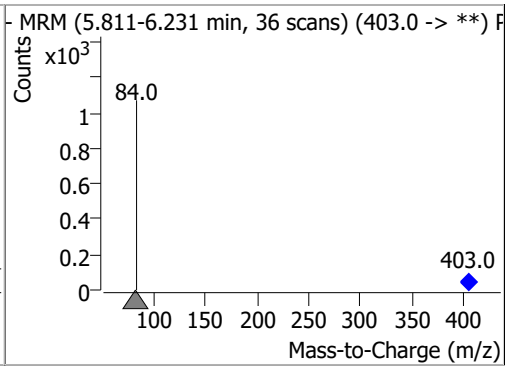




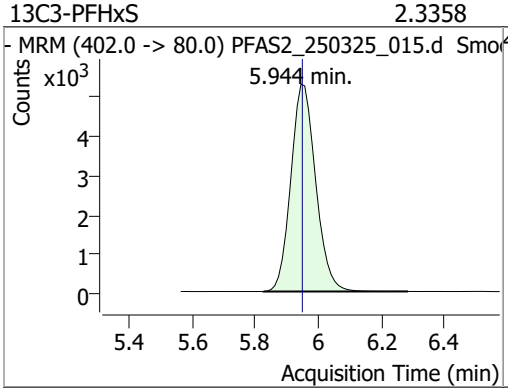
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	26238				

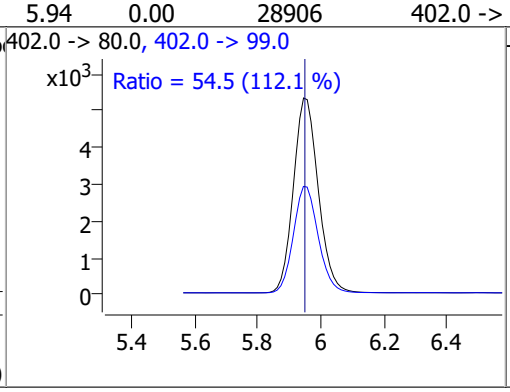


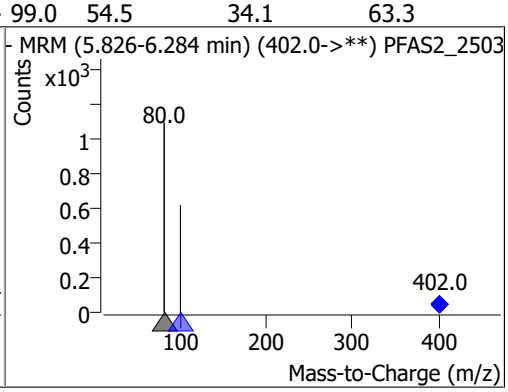




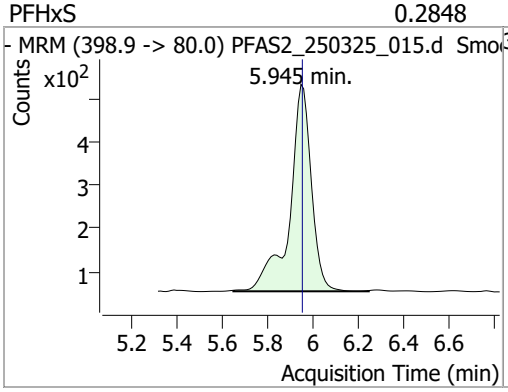
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3358	5.94	0.00	28906	402.0 -> 99.0	54.5	34.1	63.3

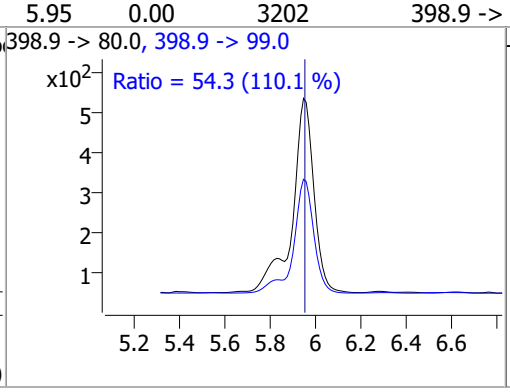


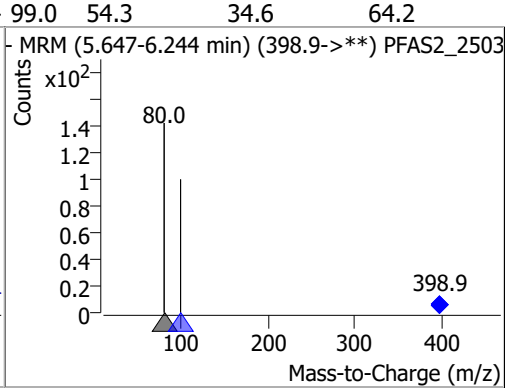




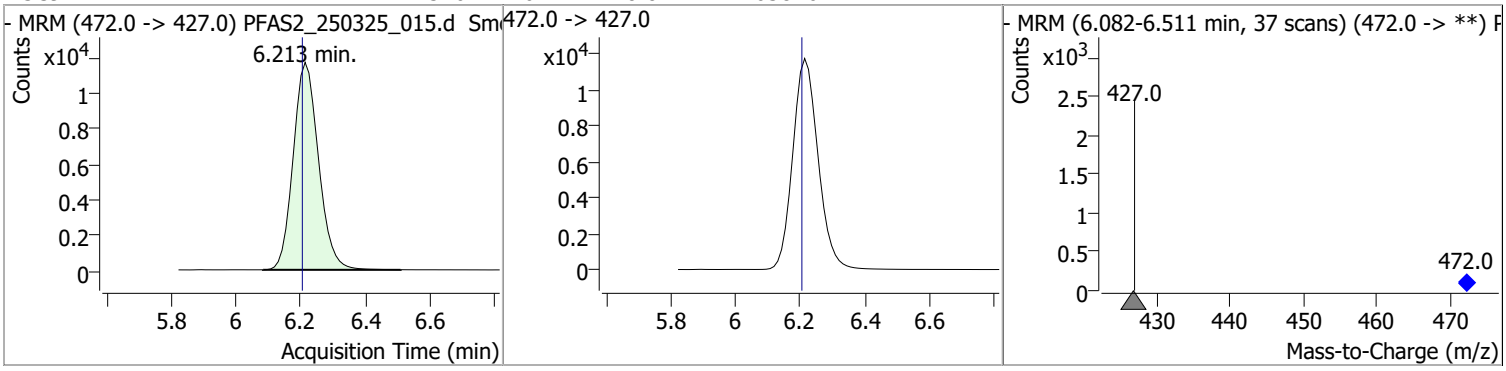
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2848	5.95	0.00	3202	398.9 -> 99.0	54.3	34.6	64.2



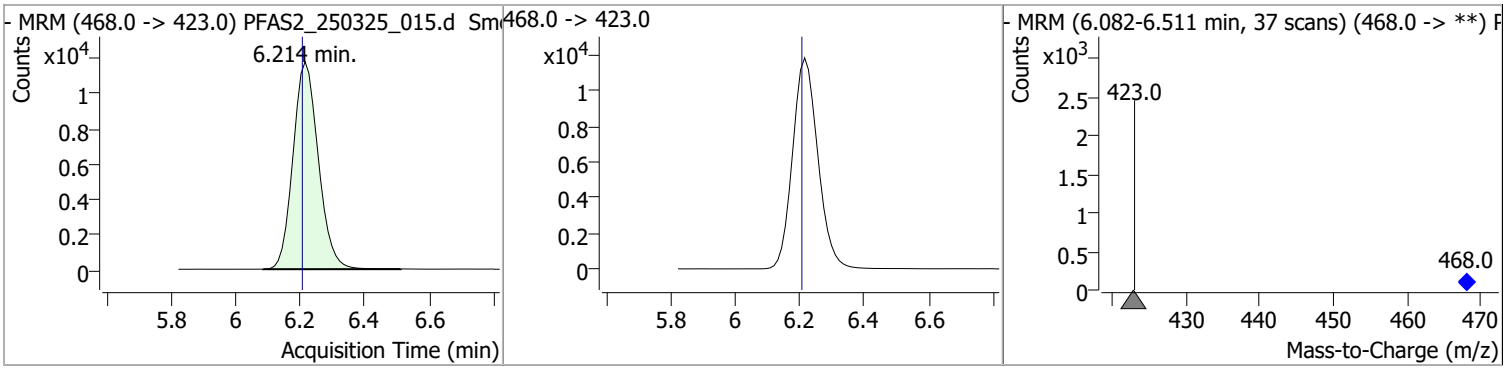




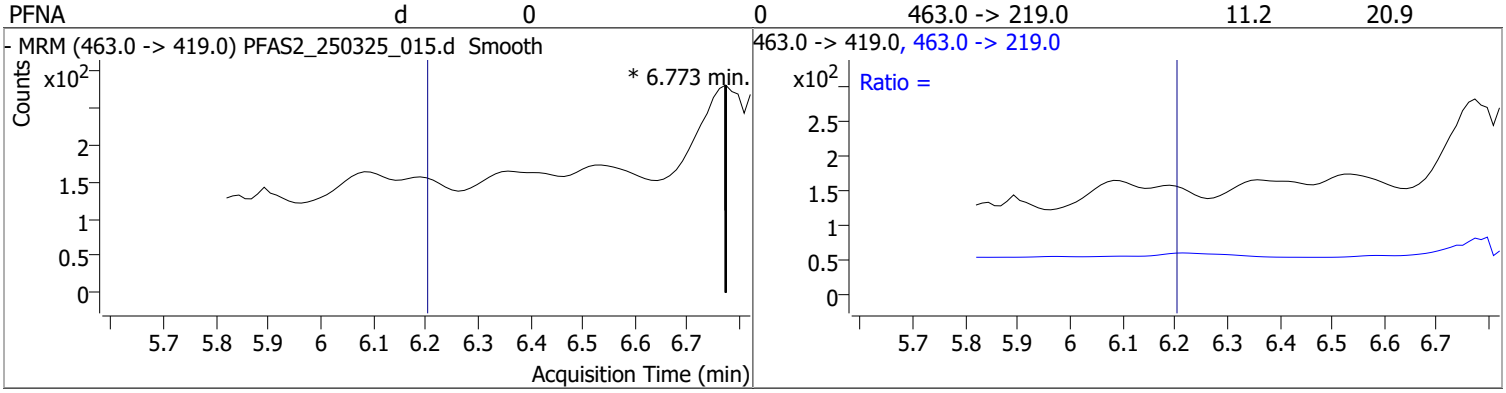
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2546	6.21	0.01	63816				



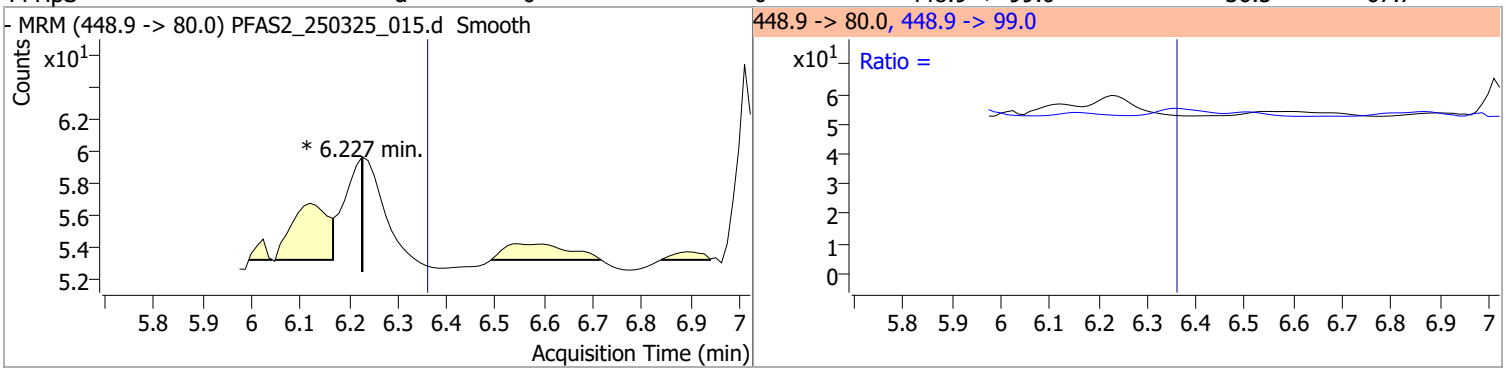
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	64193				



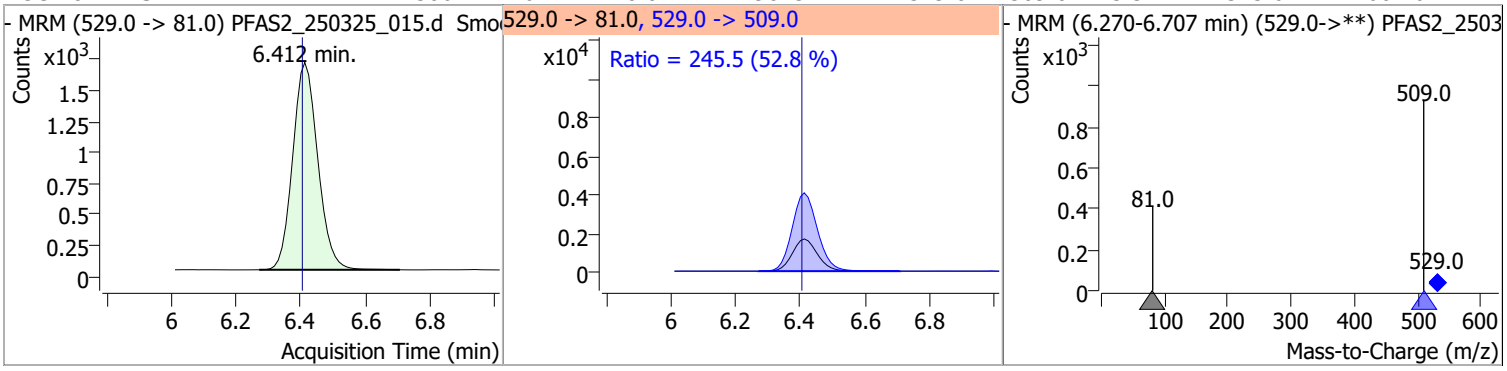
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



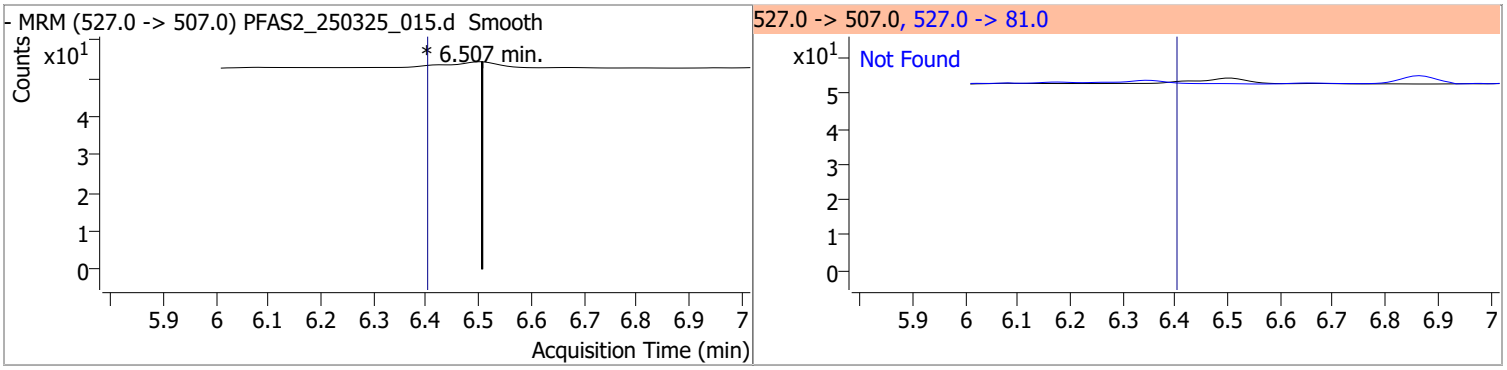
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



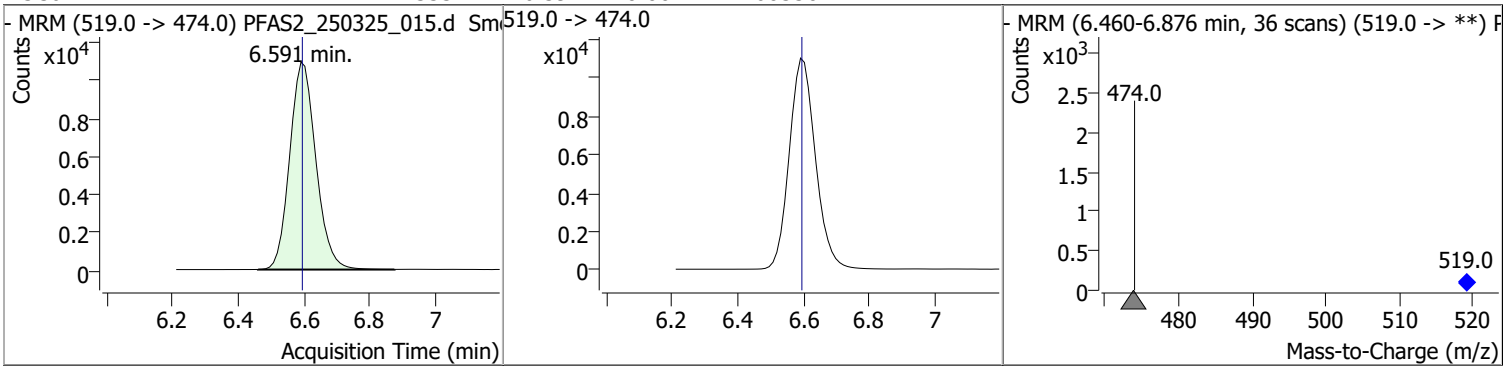
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.3061	6.41	0.01	9045	529.0 -> 509.0	245.5	325.6	604.6



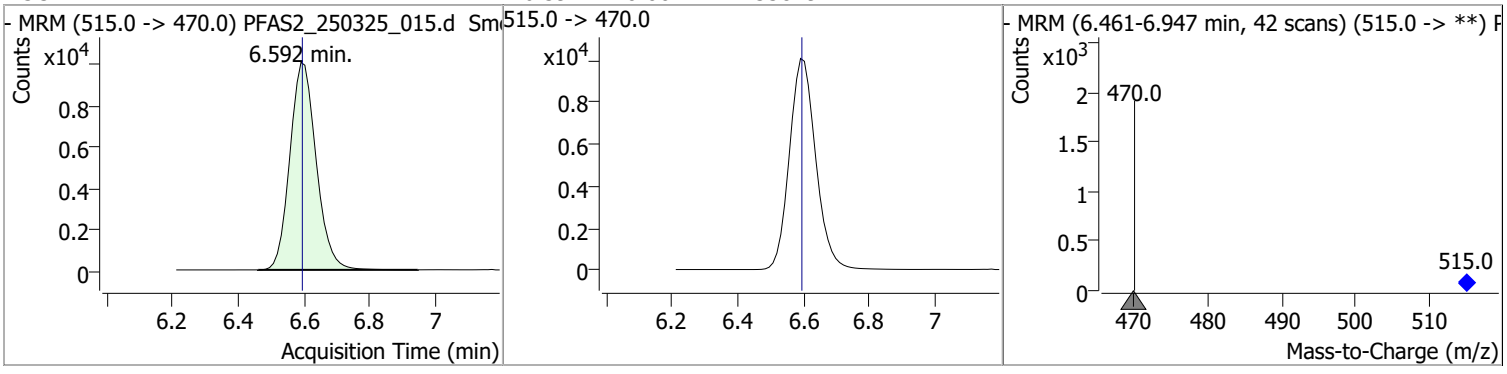
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



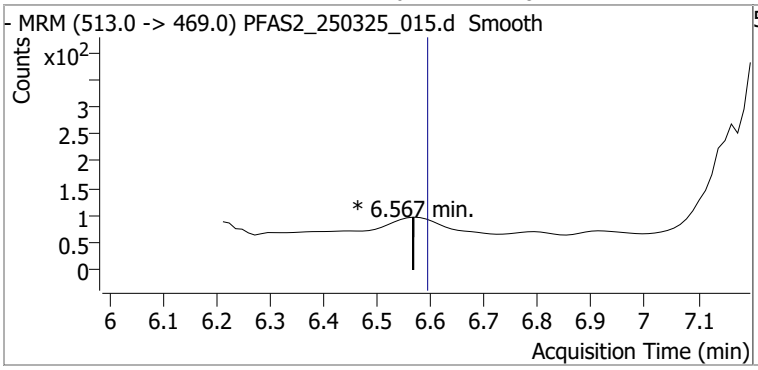
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3331	6.59	0.00	60550				

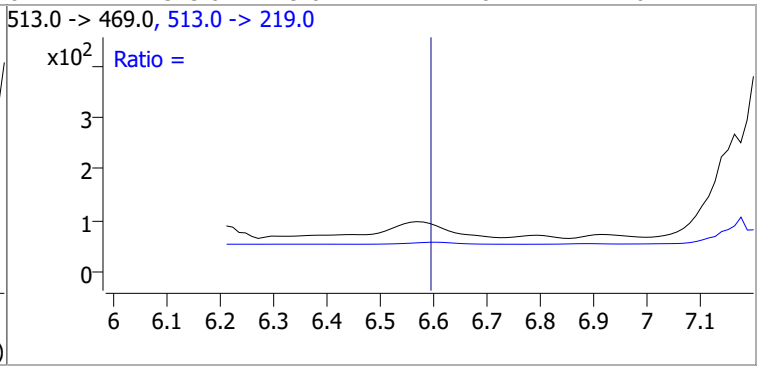


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	55819				

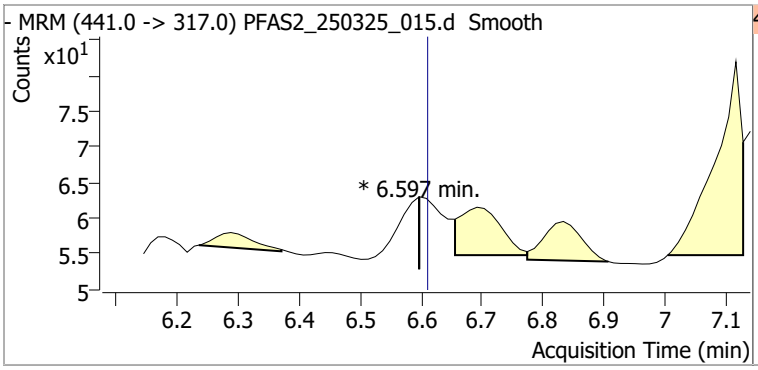


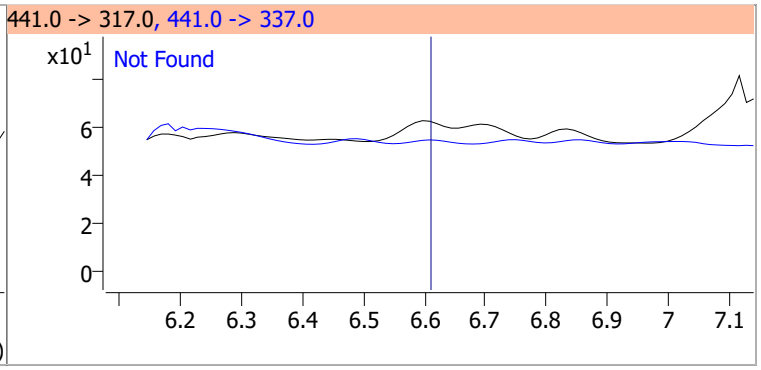
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



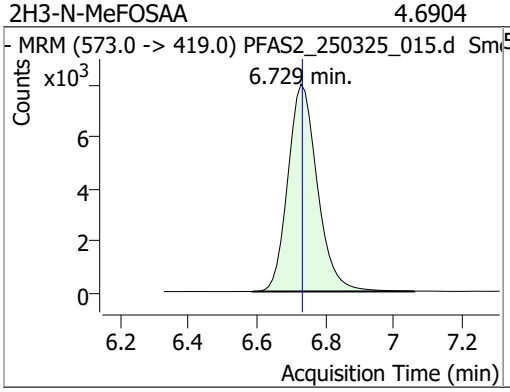


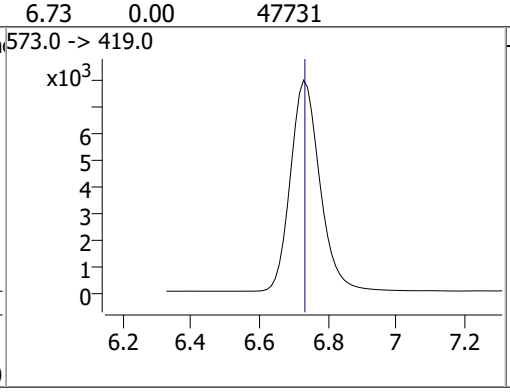
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

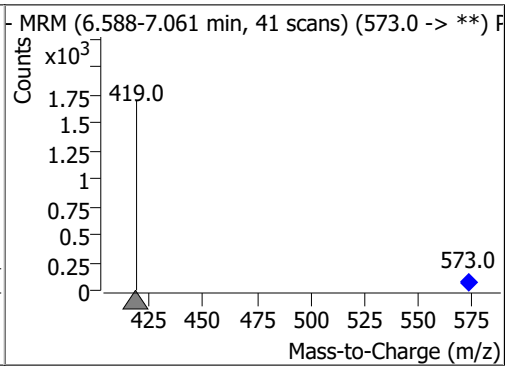




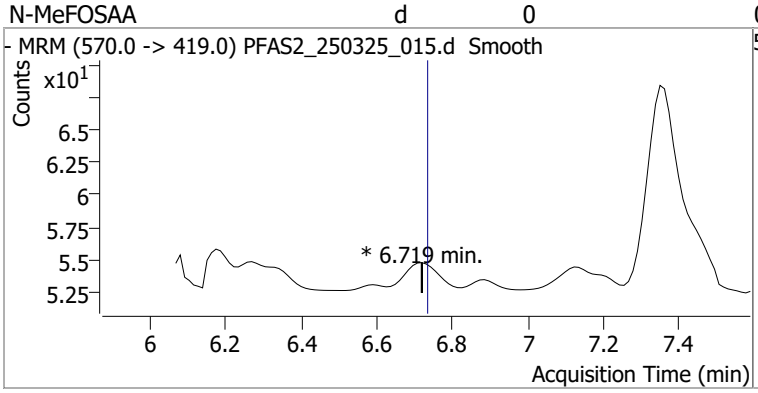
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6904	6.73	0.00	47731				

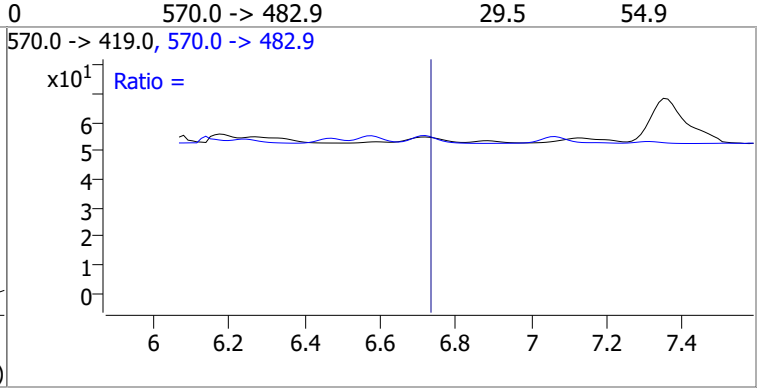




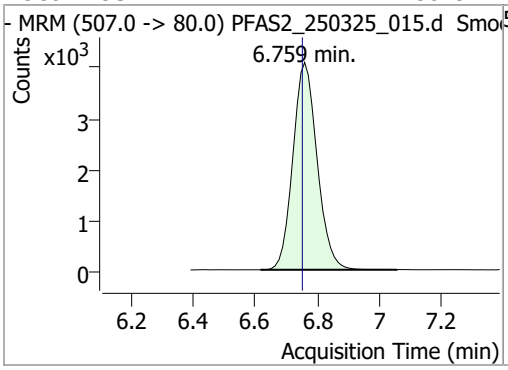


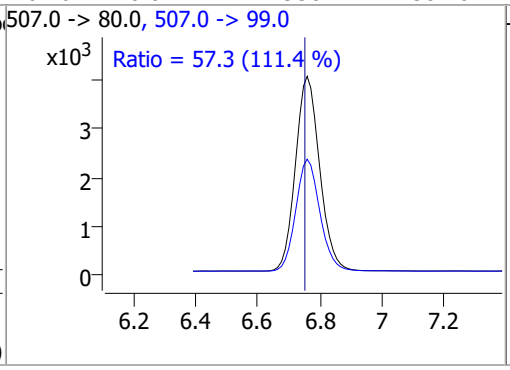
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

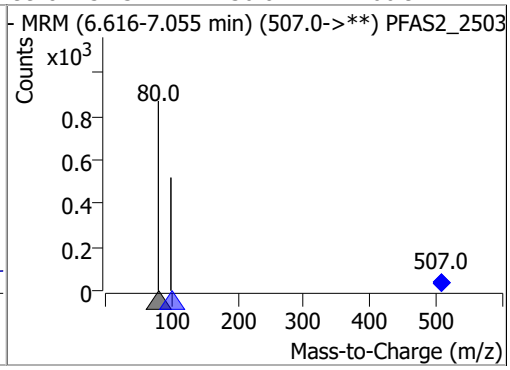




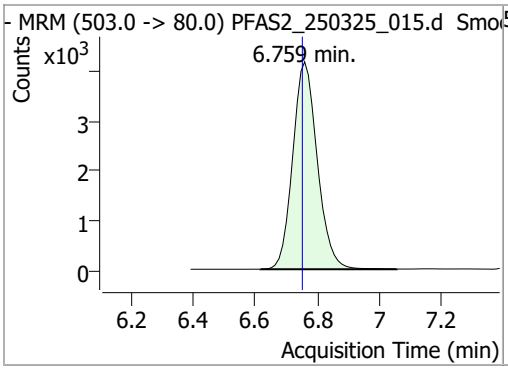
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3825	6.76	0.01	21930	507.0 -> 99.0	57.3	36.0	66.9

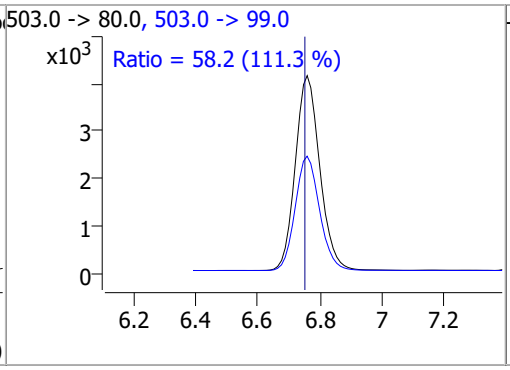


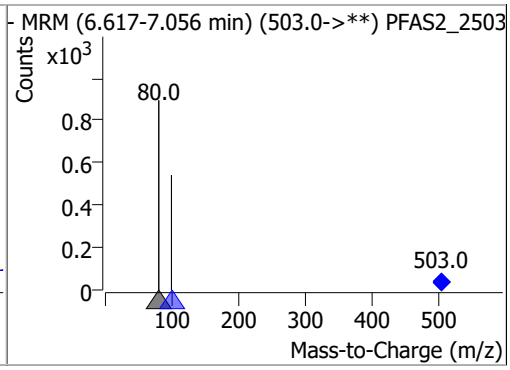




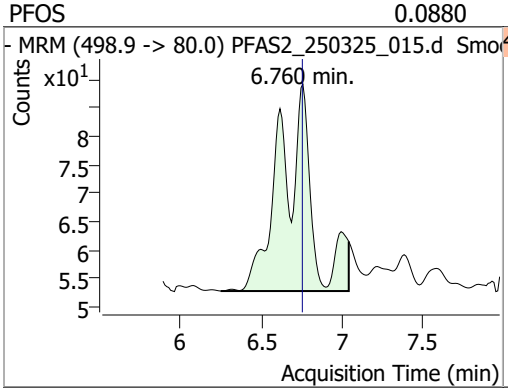
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	22680	503.0 -> 99.0	58.2	36.6	67.9

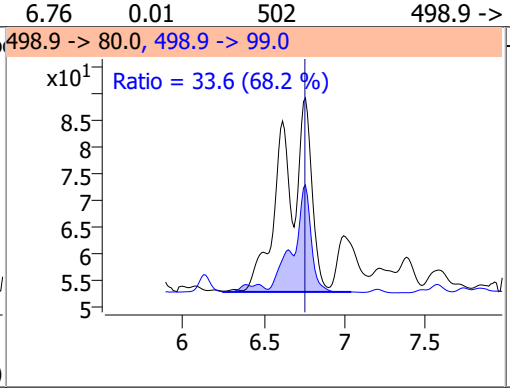


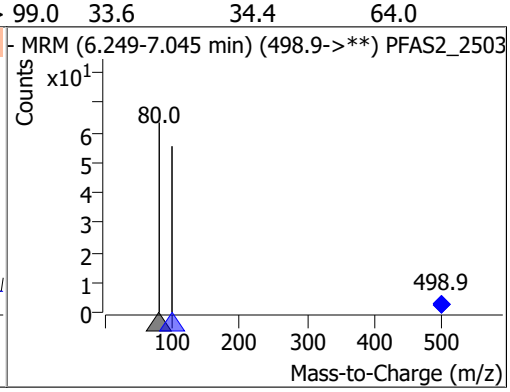




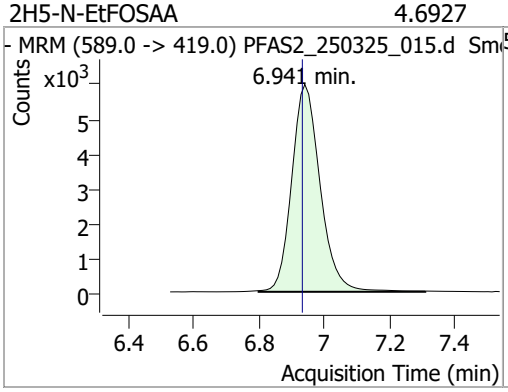
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0880	6.76	0.01	502	498.9 -> 99.0	33.6	34.4	64.0

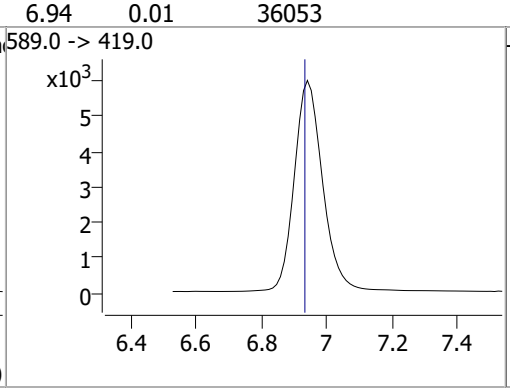


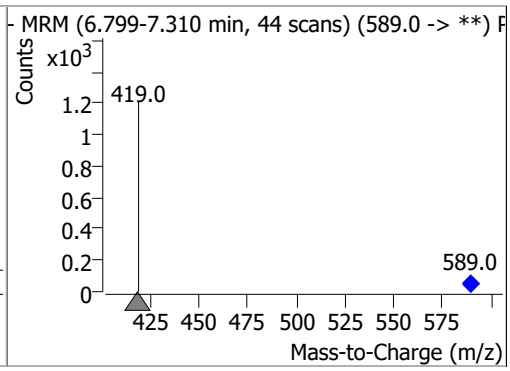




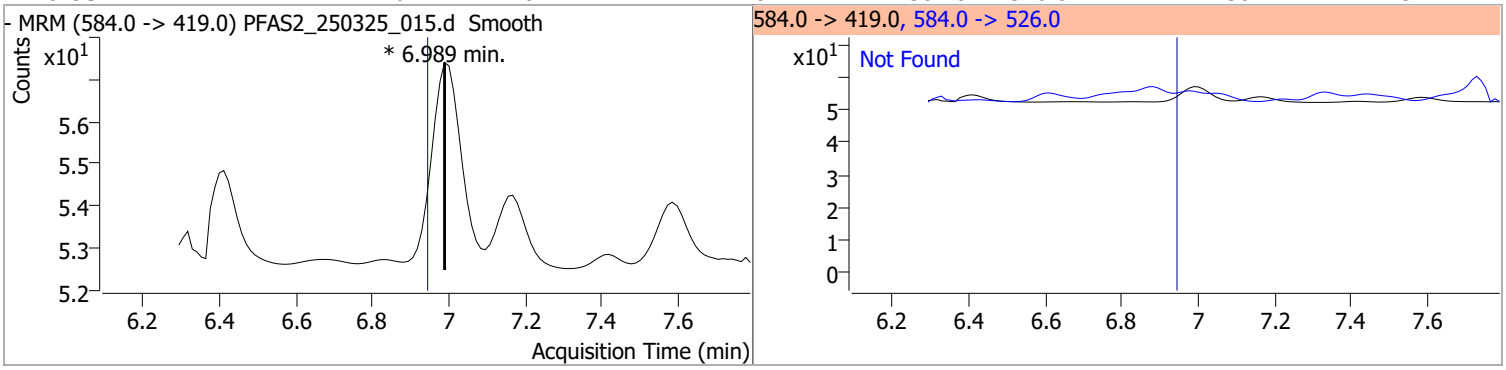
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6927	6.94	0.01	36053				



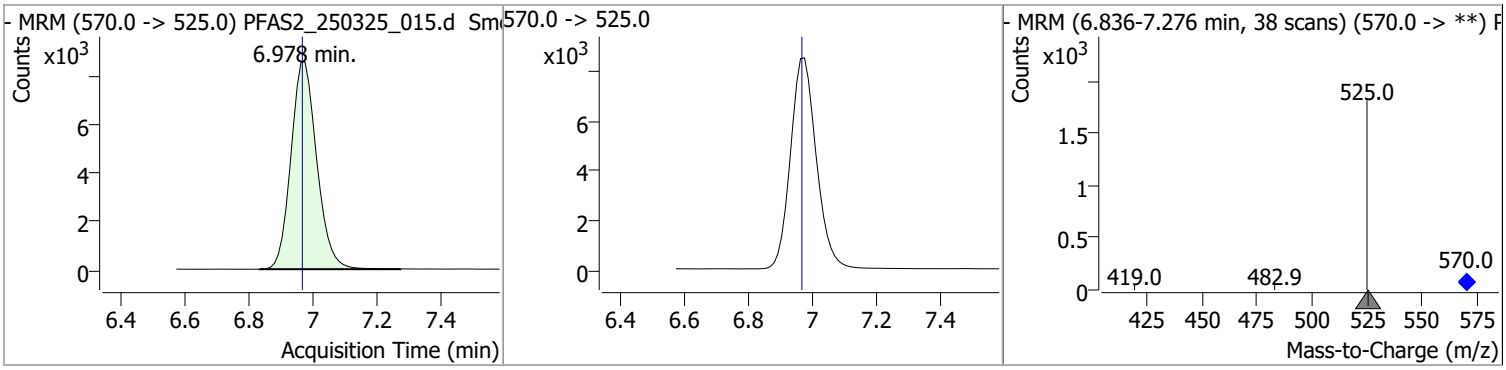




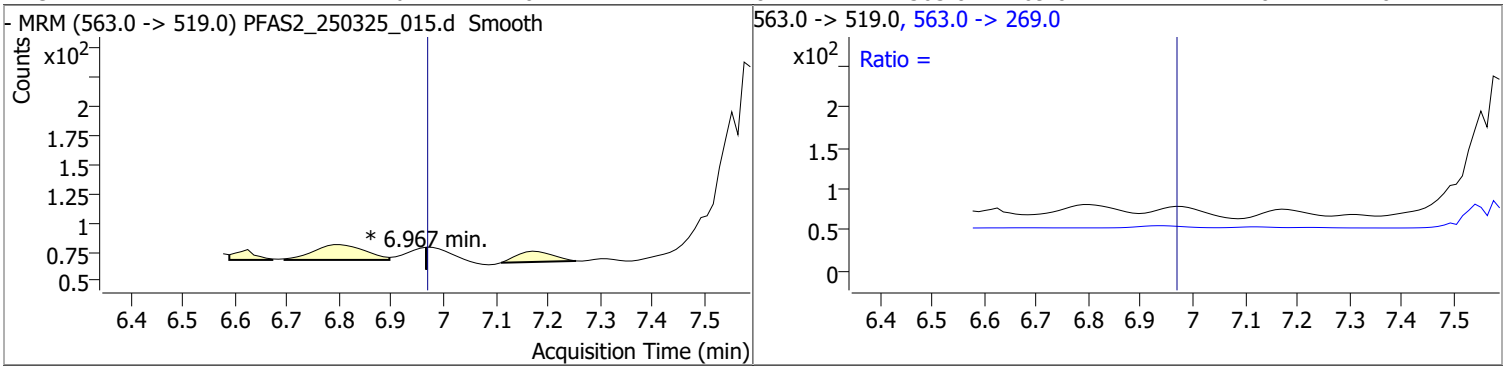
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



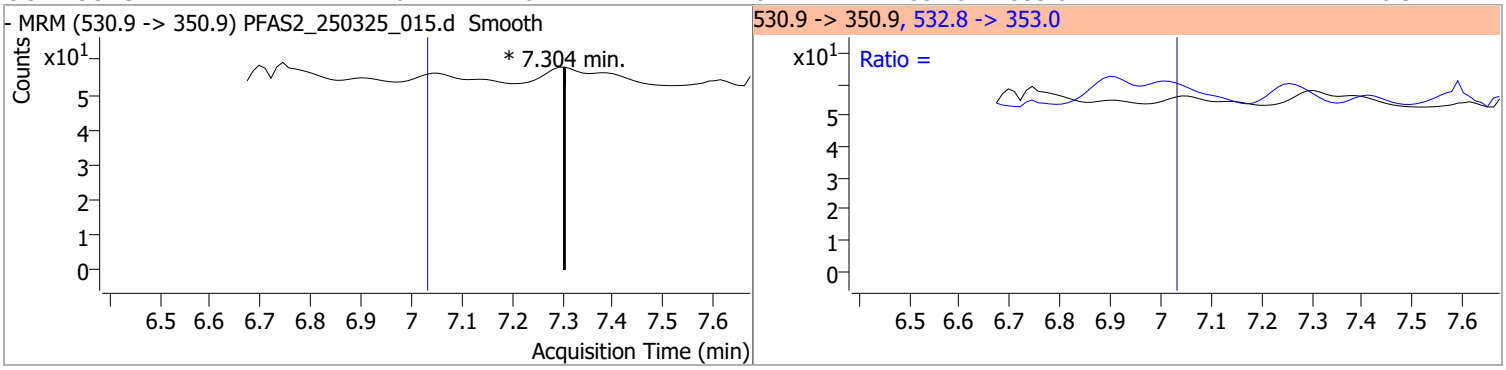
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3360	6.98	0.01	47826				



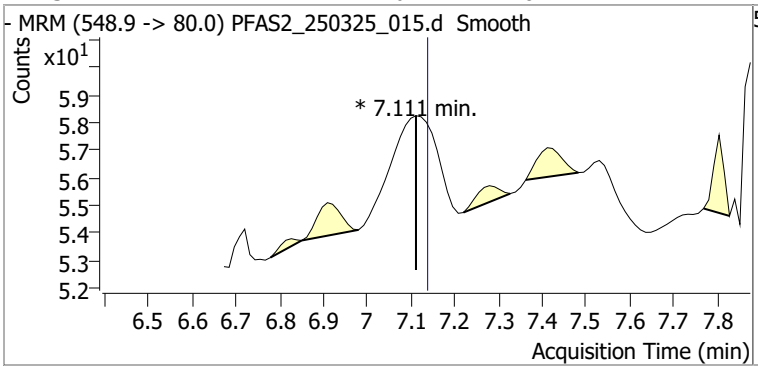
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4

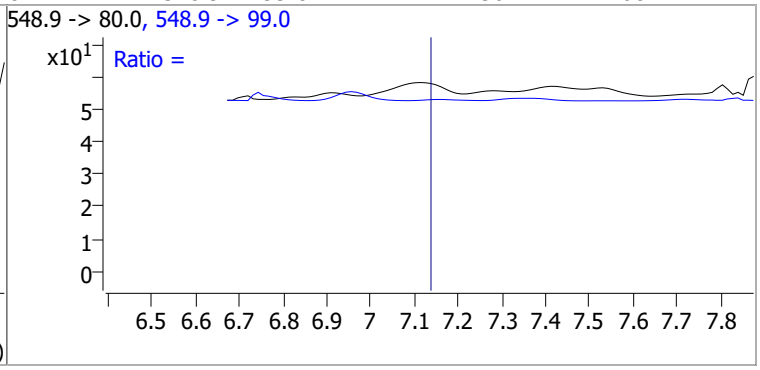


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

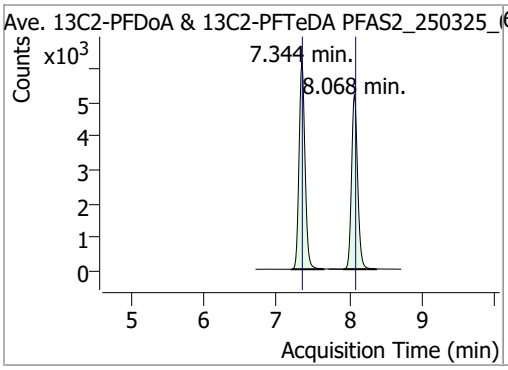


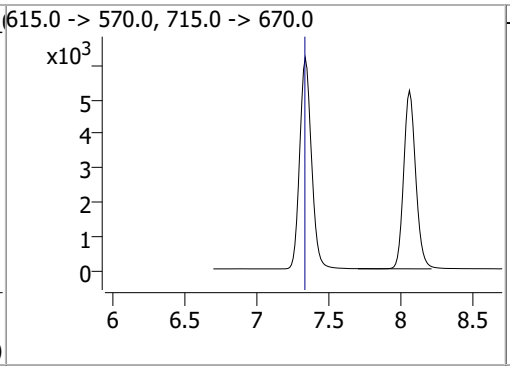
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

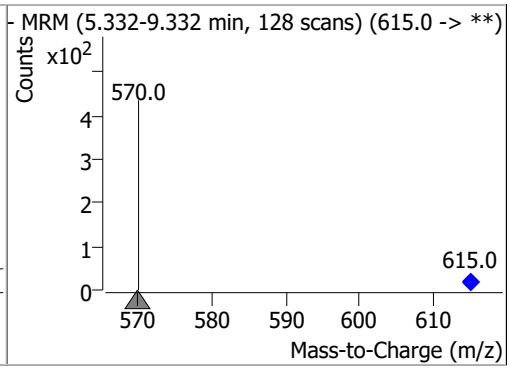




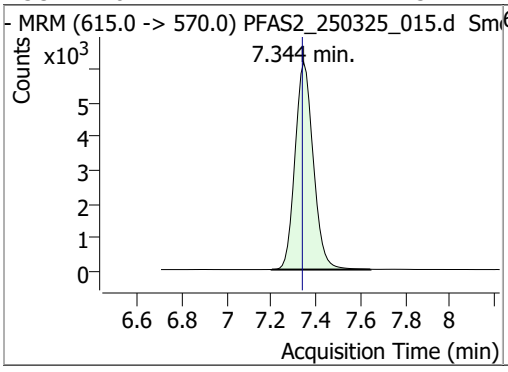
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1115	7.71	0.37	32794				

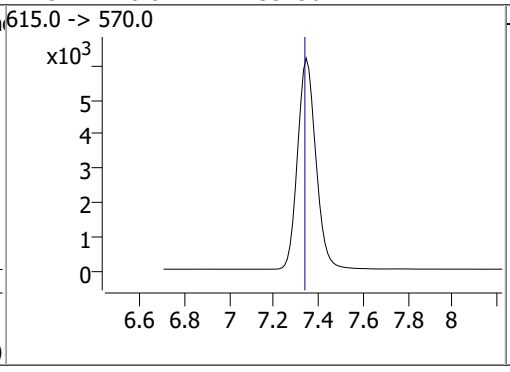


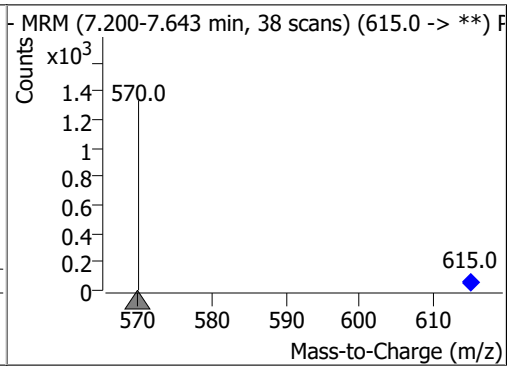




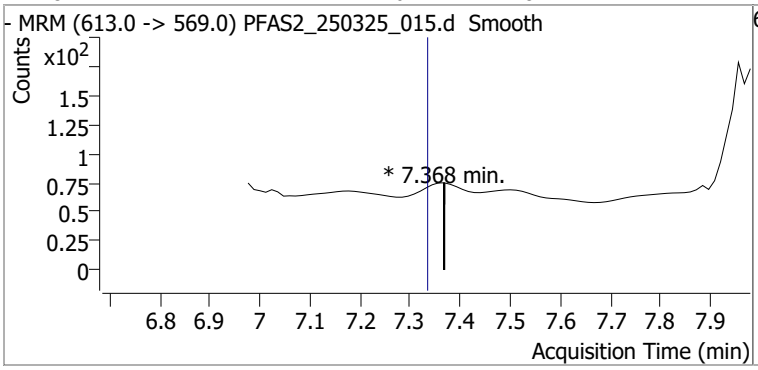
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3174	7.34	0.01	35136				

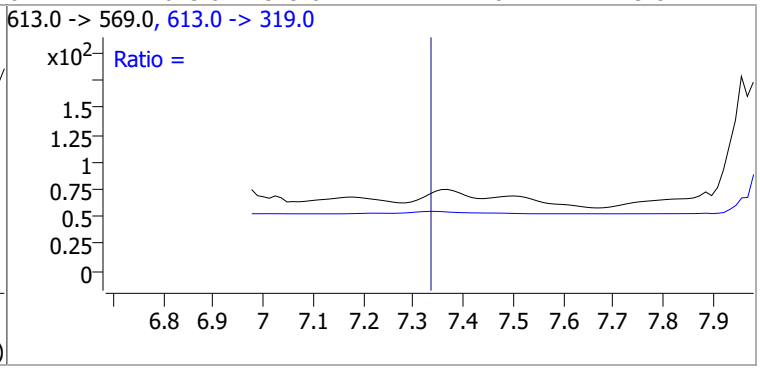




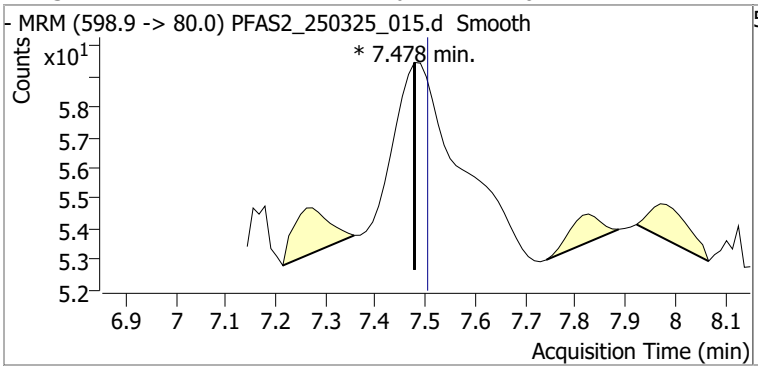


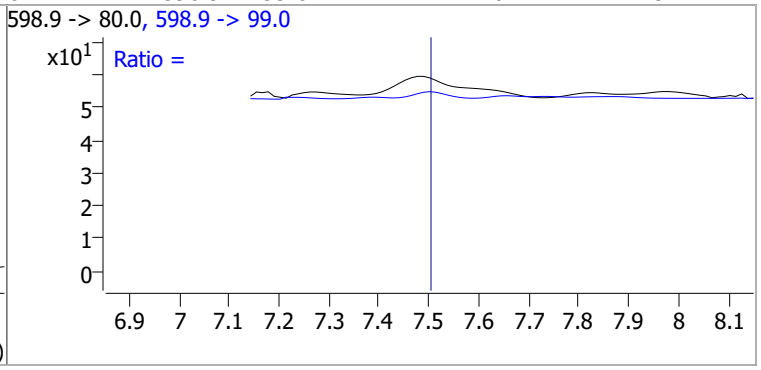
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



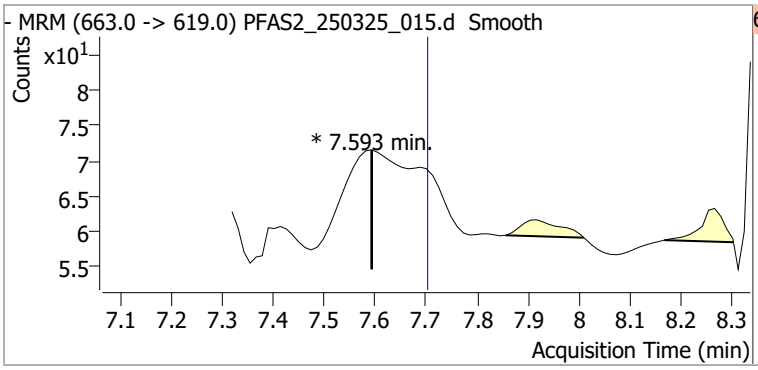


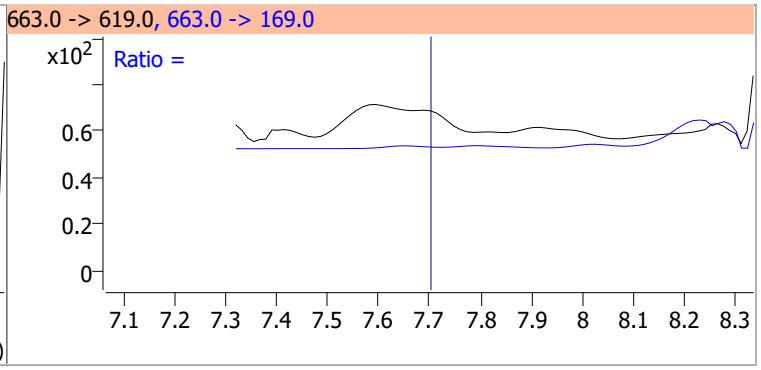
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



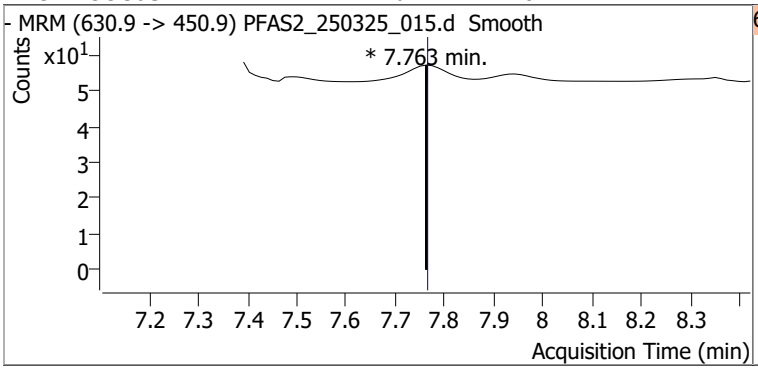


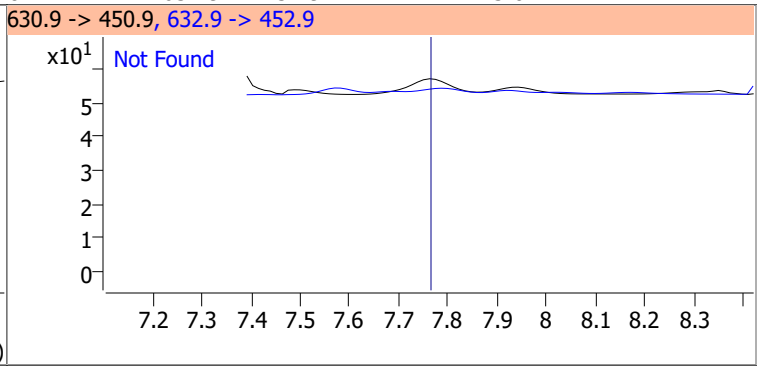
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



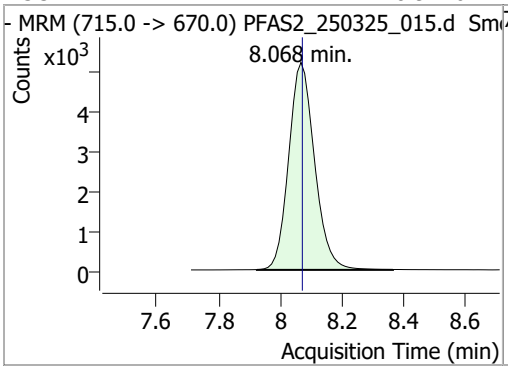


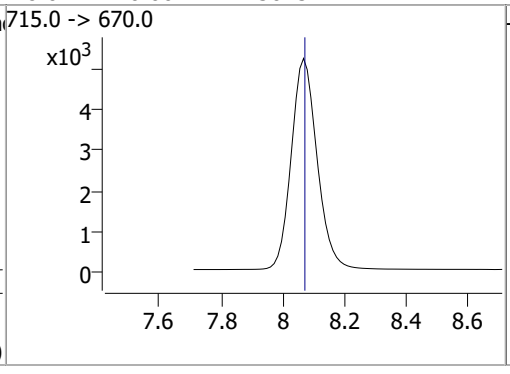
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

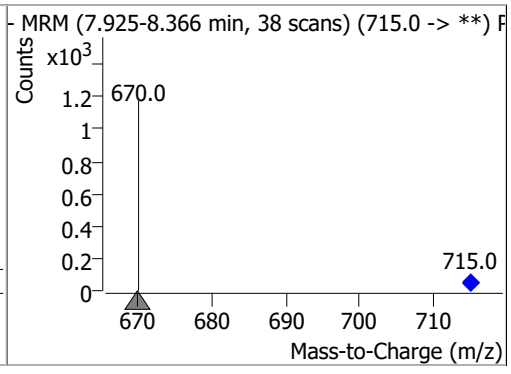




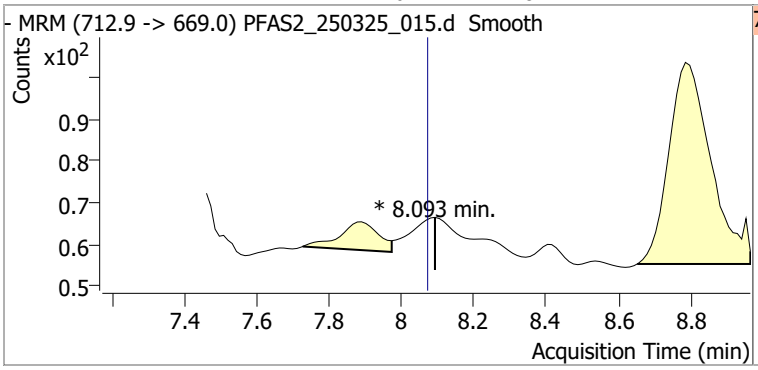
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9416	8.07	0.00	30452				

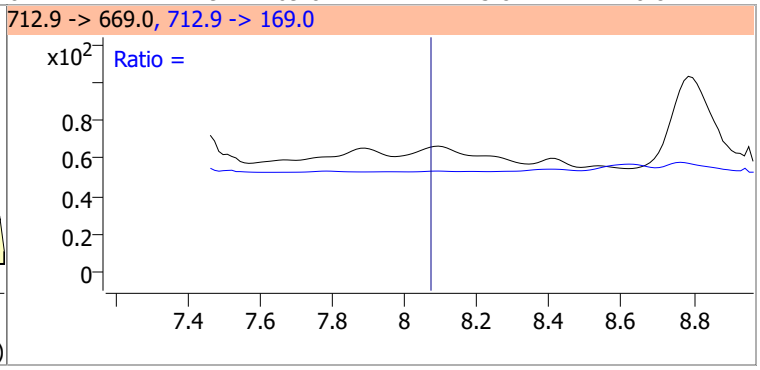




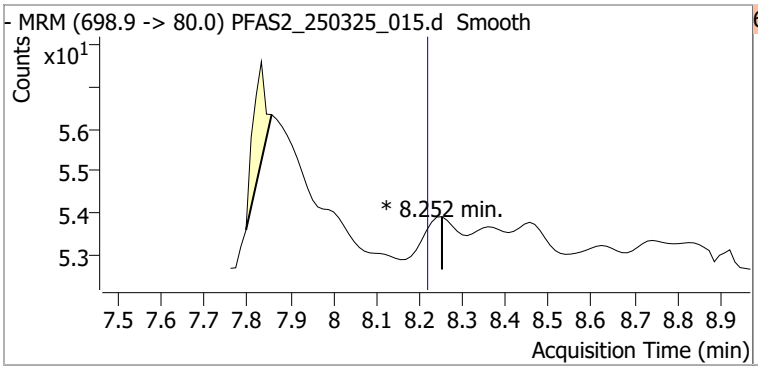


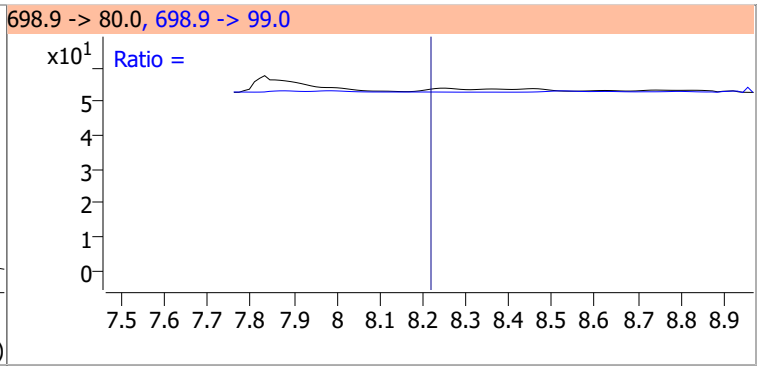
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



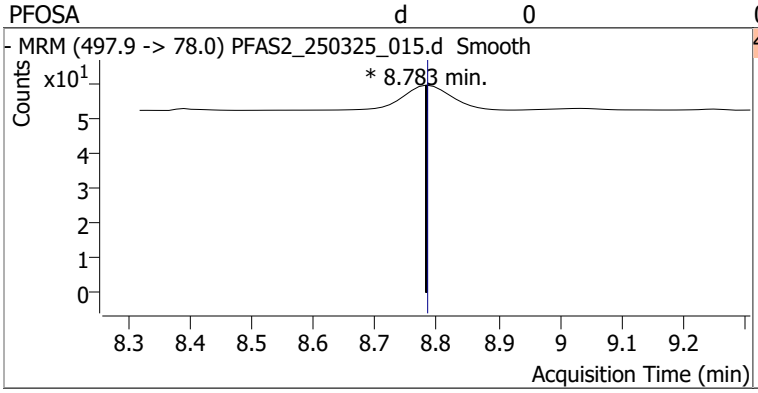


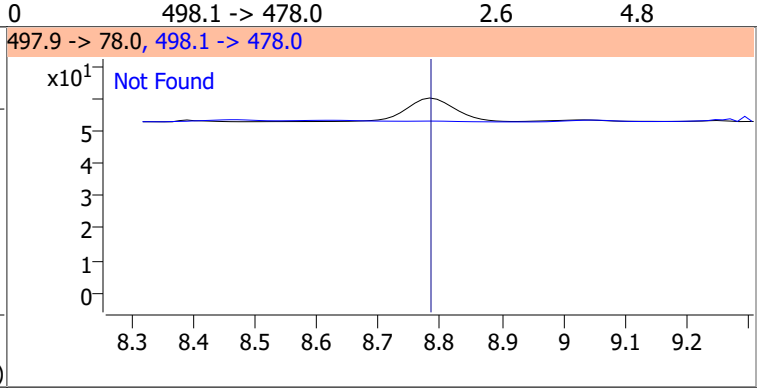
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



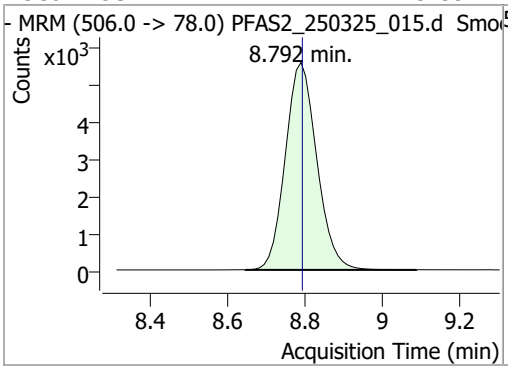


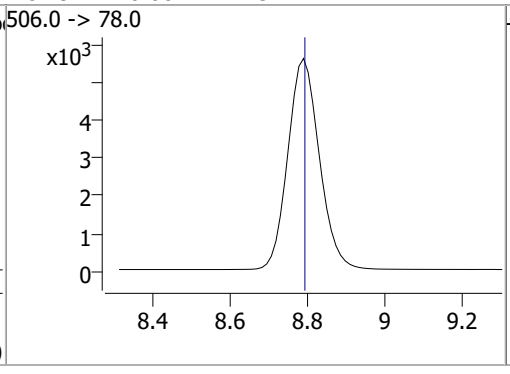
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

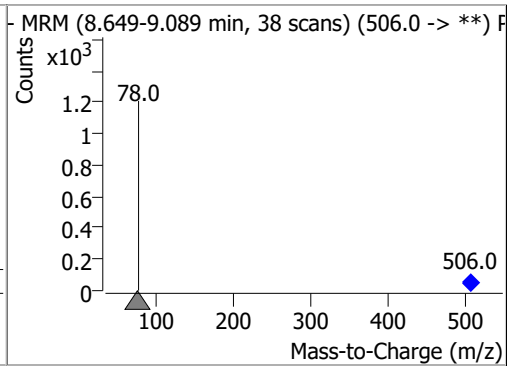




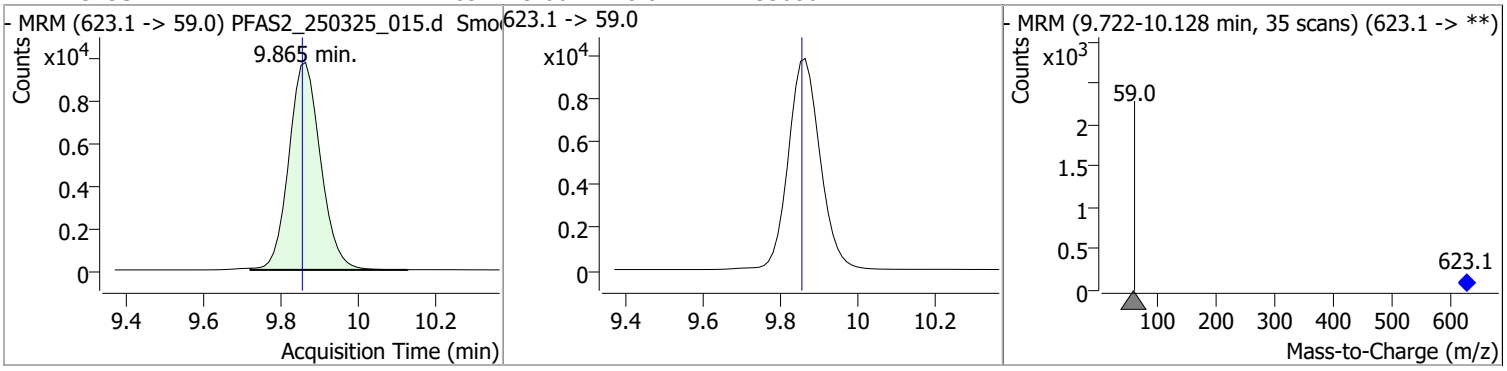
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3299	8.79	0.00	31427				



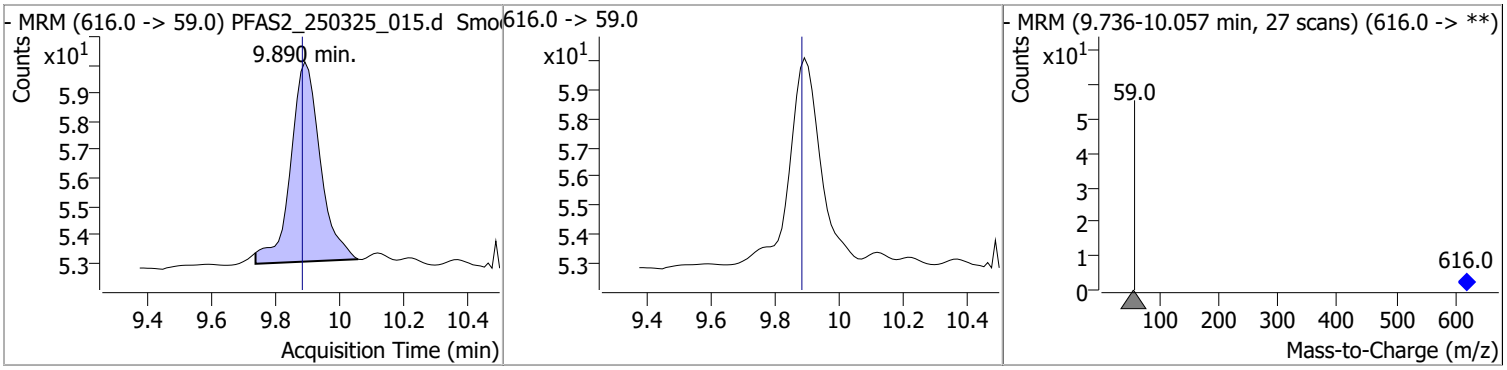




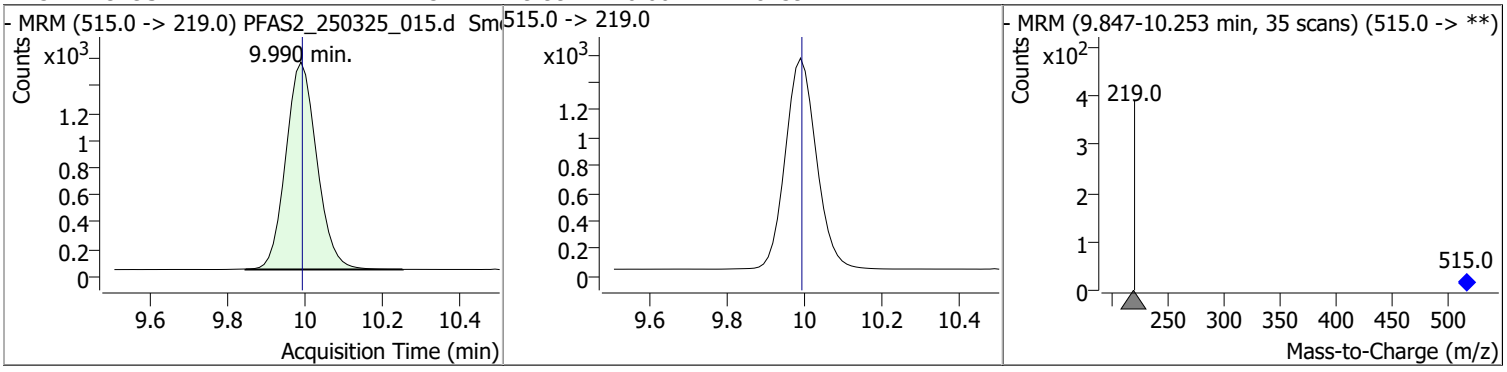
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.1789	9.86	0.01	55688				



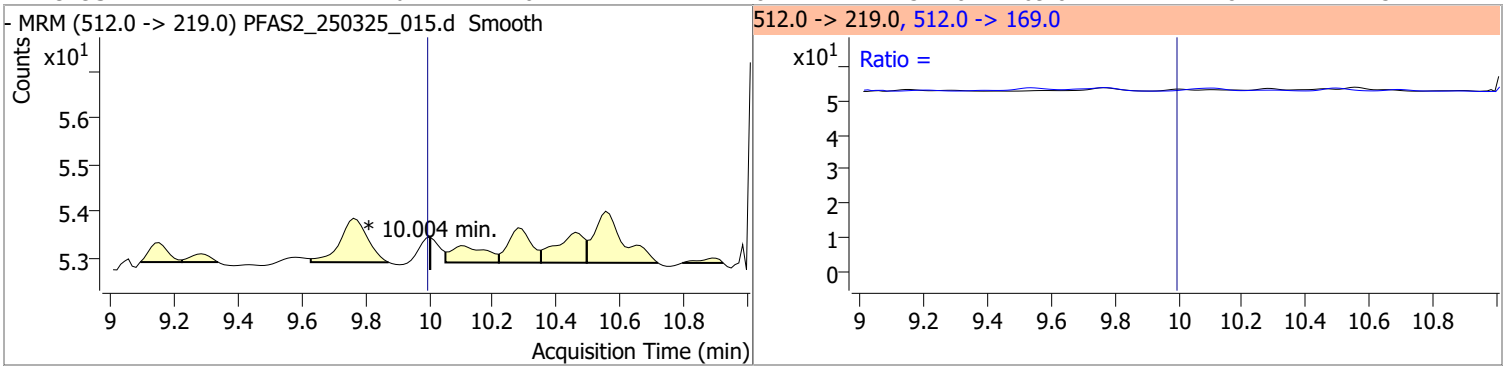
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	45				



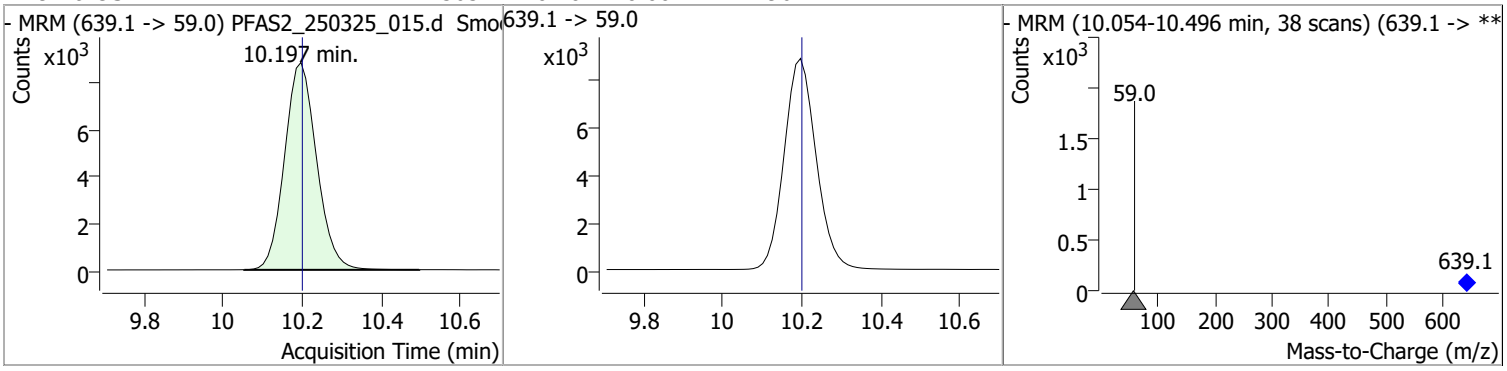
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2347	9.99	0.00	8459				



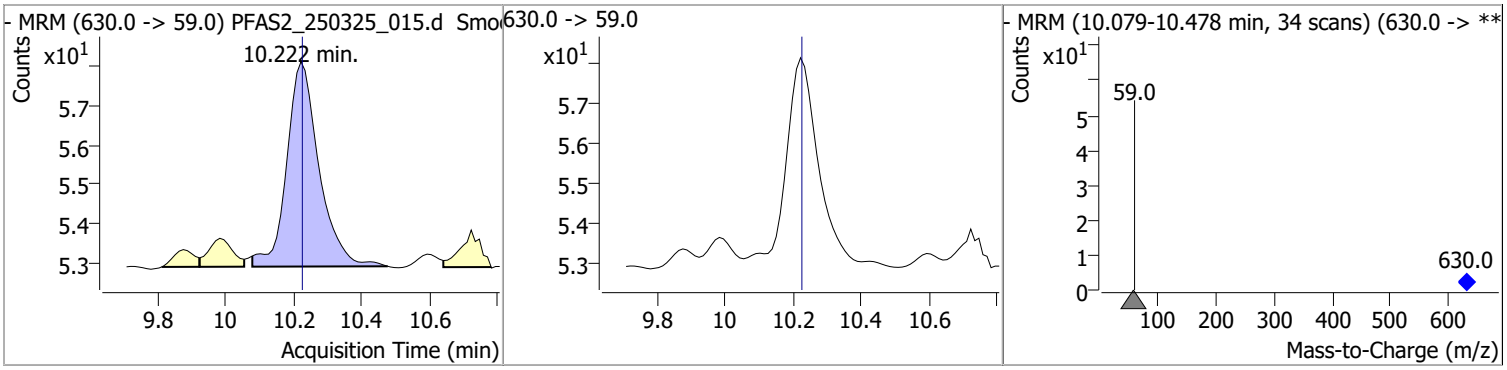
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



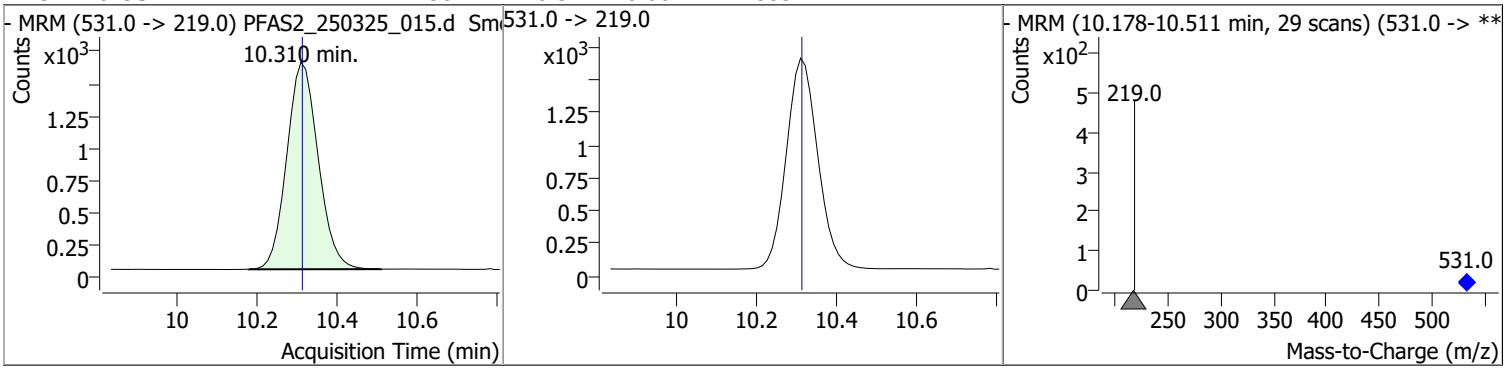
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4565	10.20	0.00	49647				



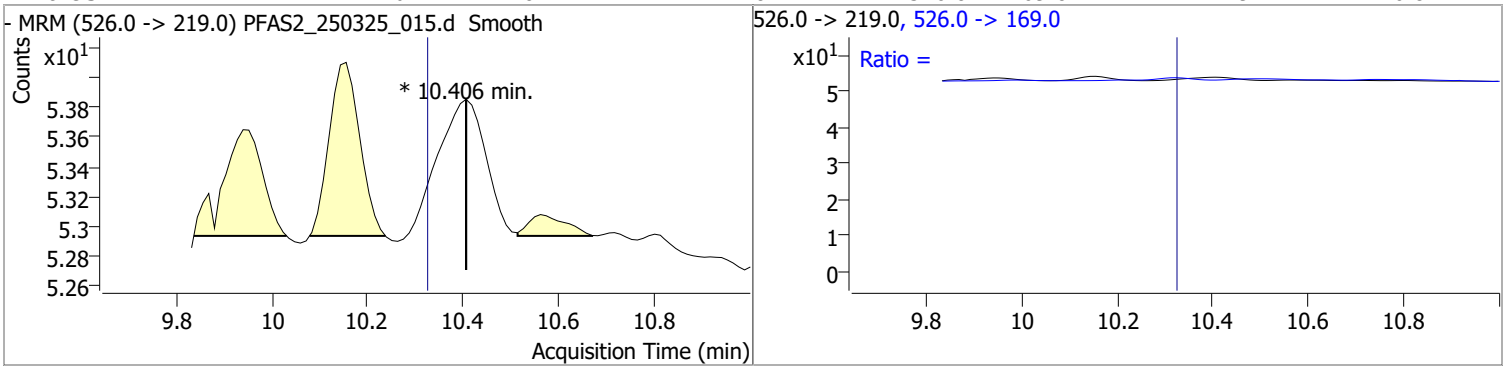
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0289	10.22	0.00	35				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1582	10.31	0.00	8834				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_015.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:58:53 PM
Sample Name	O25C0608-02	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

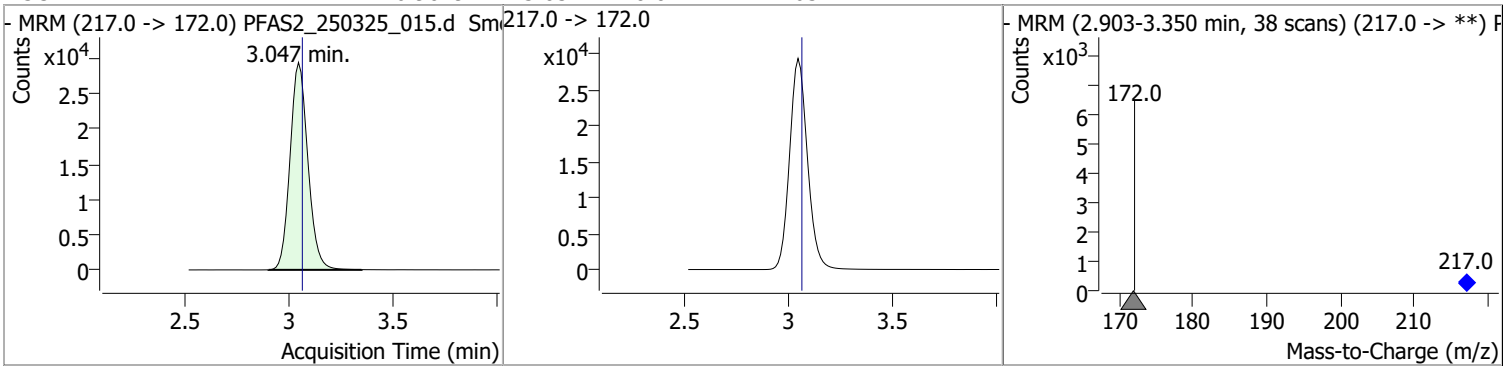
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	111329	5.0000	µg/L		-18.644
13C2-PFHxA	4.890	315.0 -> 270.0	126109	2.5000	µg/L		-17.804
18O2-PFHxS	5.955	403.0 -> 84.0	26238	2.5000	µg/L		-11.449
13C4-PFOA	5.823	417.0 -> 172.0	13578	2.5000	µg/L		-12.103
13C5-PFNA	6.214	468.0 -> 423.0	64193	1.2500	µg/L		-9.806
13C2-PFDA	6.592	515.0 -> 470.0	55819	1.2500	µg/L		-16.534
13C4-PFOS	6.759	503.0 -> 80.0	22680	2.5000	µg/L		-8.950
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	174637	10.0000	µg/L		-43.816
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 69.03%			
13C5-PFPeA	4.222	268.0 -> 223.0	174310	5.0000	µg/L		-15.759
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	174310	5.0000	µg/L		-15.759
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25827	5.0000	µg/L		2.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.91%			
13C5-PFHxA	4.889	318.0 -> 273.0	136124	2.5000	µg/L		-19.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.06%			
13C5-PFHxA	4.889	318.0 -> 273.0	136124	2.5000	µg/L		-19.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.06%			
13C3-PFBS	4.929	302.0 -> 80.0	51354	2.5000	µg/L		-15.430
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.61%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	148857	10.0000	µg/L		-14.827
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 103.62%			
13C4-PFHpA	5.385	367.0 -> 322.0	153851	2.5000	µg/L		-18.549
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.13%			
13C3-PFHxS	5.944	402.0 -> 80.0	28906	2.5000	µg/L		-17.290
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.43%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12847	5.0000	µg/L	#	-13.013
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.34%			
13C8-PFOA	5.823	421.0 -> 376.0	148205	2.5000	µg/L		-14.204
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.63%			
13C3-PFHxS	5.944	402.0 -> 80.0	28906	2.5000	µg/L		-17.290
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.43%			
13C9-PFNA	6.213	472.0 -> 427.0	63816	1.2500	µg/L		-9.435
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.37%			
13C8-PFOS	6.759	507.0 -> 80.0	21930	2.5000	µg/L		-13.264
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9045	5.0000	µg/L	#	-23.639
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 86.12%			
13C6-PFDA	6.591	519.0 -> 474.0	60550	1.2500	µg/L		-10.903
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.64%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47731	5.0000	µg/L		-14.489
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.81%			
13C8-PFOS	6.759	507.0 -> 80.0	21930	2.5000	µg/L		-13.264

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.30%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36053	5.0000	µg/L		-14.504
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.85%			
13C7-PFUnDA	6.978	570.0 -> 525.0	47826	1.2500	µg/L		-10.778
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.88%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	32794	1.2500	µg/L		-25.662
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.92%			
13C2-PFDoDA	7.344	615.0 -> 570.0	35136	1.2500	µg/L		-12.040
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.39%			
13C2-PFTDA	8.068	715.0 -> 670.0	30452	1.2500	µg/L		-36.932
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 75.33%			
13C8-PFOSA	8.792	506.0 -> 78.0	31427	2.5000	µg/L		-14.973
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.20%			
13C8-PFOSA	8.792	506.0 -> 78.0	31427	2.5000	µg/L		-14.973
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.20%			
2H7-MeFOSE	9.865	623.1 -> 59.0	55688	25.0000	µg/L		-55.678
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 48.72%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8459	2.5000	µg/L		-18.419
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.39%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49647	25.0000	µg/L		-21.827
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 85.83%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	8834	2.5000	µg/L		-21.406
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.33%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	5180	0.4190	µg/L		100
PFMPA	3.602	229.0 -> 85.0	17	0.0560	µg/L		100
3-3 FTCA	3.682	241.0 -> 177.0	12	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	10907	0.3623	µg/L		100
PFMBA	4.453	279.0 -> 85.0	5	0.0339	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	34	0.0022	µg/L	#	1
NFDHA	4.787	295.0 -> 201.0	17	0.0169	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	12071	0.2478	µg/L		100
PFBS	4.918	298.9 -> 80.0	13926	0.6535	µg/L		91
HFPO-DA	5.075	285.0 -> 169.0	23	0.0017	µg/L		33
PFEESA	5.165	314.9 -> 135.0	17	0.0518	µg/L	#	1
PFHpA	5.386	363.0 -> 319.0	4391	0.0950	µg/L		98
5-3 FTCA	5.470	341.0 -> 237.0	78	0.1974	µg/L	#	36
PFPeS	5.494	348.9 -> 80.0	584	0.0374	µg/L		91
DONA	5.468	377.0 -> 251.0	23	0.0678	µg/L		46
6-2 FTSA	0.000		0	N.D.			
PFOA	5.824	413.0 -> 369.0	1075	0.0546	µg/L		88
PFHxS	5.945	398.9 -> 80.0	3202	0.2848	µg/L		93
PFNA	6.773	463.0 -> 419.0	423	0.0153	µg/L	#	66
PFHpS	6.227	448.9 -> 80.0	34	0.0037	µg/L		26
8-2 FTSA	6.507	527.0 -> 507.0	11	0.0750	µg/L		47
PFDA	6.567	513.0 -> 469.0	172	0.0007	µg/L		100
7-3 FTCA	6.597	441.0 -> 317.0	40	0.2582	µg/L		1
N-MeFOSAA	6.719	570.0 -> 419.0	19	0.0104	µg/L	#	1
PFOS	6.760	498.9 -> 80.0	502	0.0880	µg/L	#	77
N-EtFOSAA	6.989	584.0 -> 419.0	32	0.0158	µg/L		24
PFUnDA	6.967	563.0 -> 519.0	57	0.0148	µg/L	#	75
9Cl-PF3ONS	7.304	530.9 -> 350.9	31	0.0656	µg/L	#	2
PFNS	7.111	548.9 -> 80.0	28	0.0037	µg/L	#	41
PFDoDA	7.368	613.0 -> 569.0	43	0.0017	µg/L	#	29

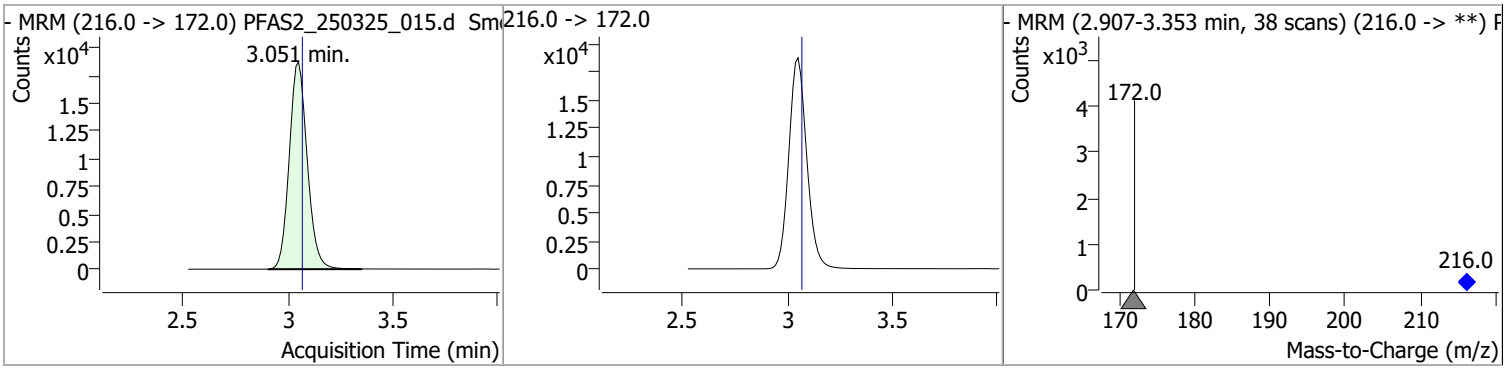
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.478	598.9 -> 80.0	53	0.0095	µg/L	#	45
PFTrDA	7.593	663.0 -> 619.0	119	0.0048	µg/L		72
11Cl-PF3OUdS	7.763	630.9 -> 450.9	21	0.0011	µg/L		42
PFTDA	8.093	712.9 -> 669.0	106	0.0114	µg/L		77
PFDoS	8.252	698.9 -> 80.0	4	0.0010	µg/L		22
PFOSA	8.783	497.9 -> 78.0	39	0.0036	µg/L		89
MeFOSE	9.890	616.0 -> 59.0	45	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	2	0.0007	µg/L		1
EtFOSE	10.222	630.0 -> 59.0	35	0.0289	µg/L		100
N-EtFOSA	10.406	526.0 -> 219.0	6	0.0019	µg/L	#	52

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

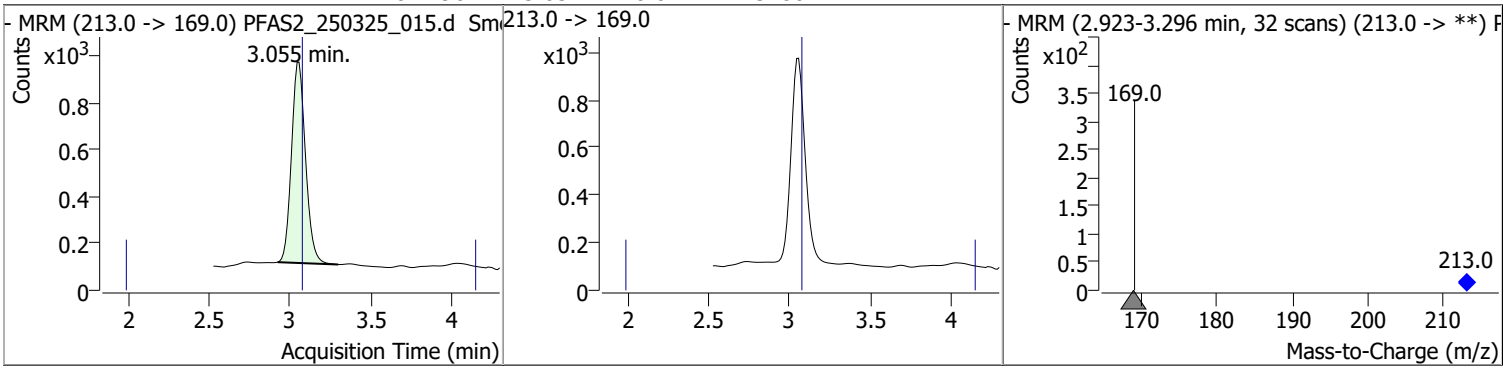
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.9029	3.05	-0.01	174637				



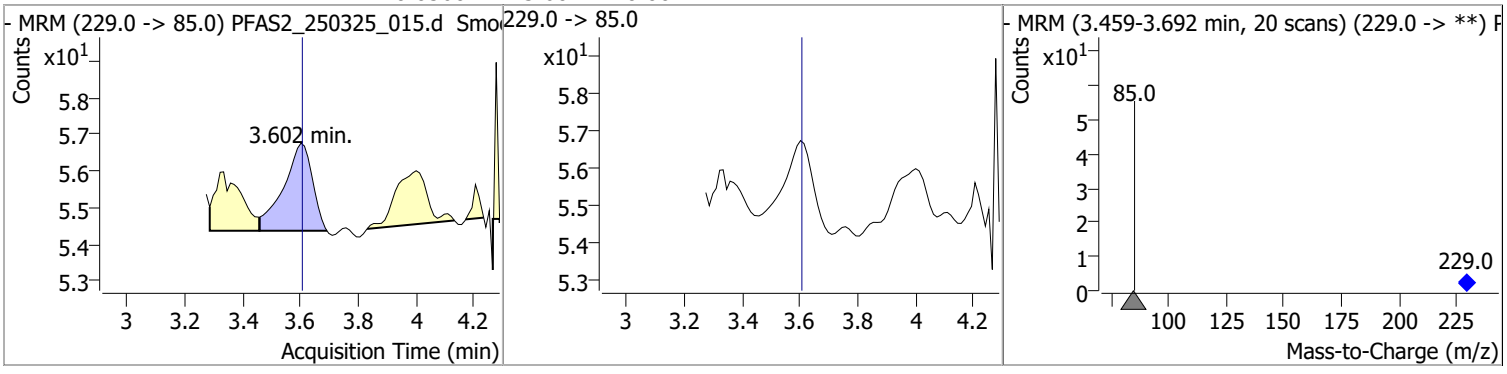
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	111329				



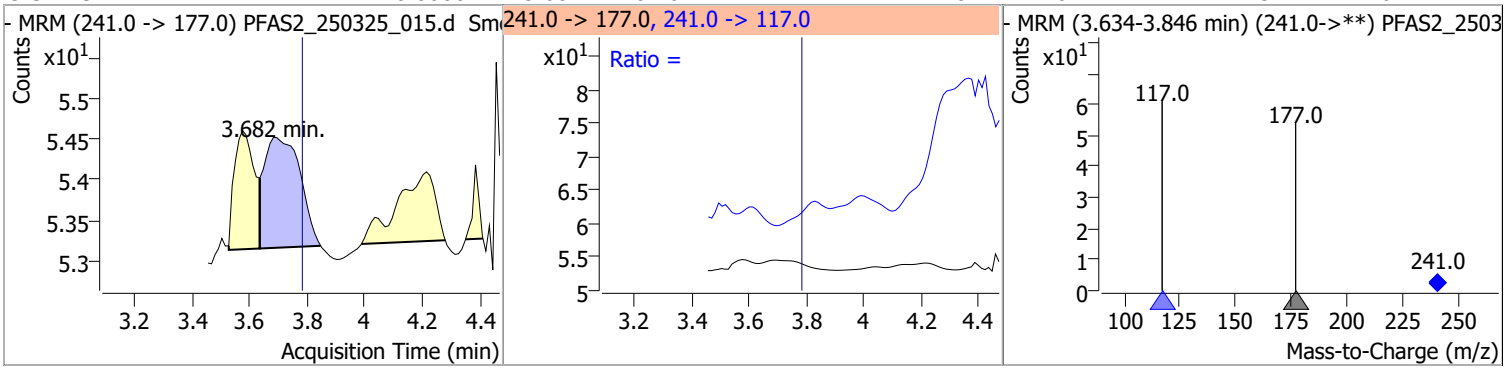
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4190	3.05	-0.01	5180				



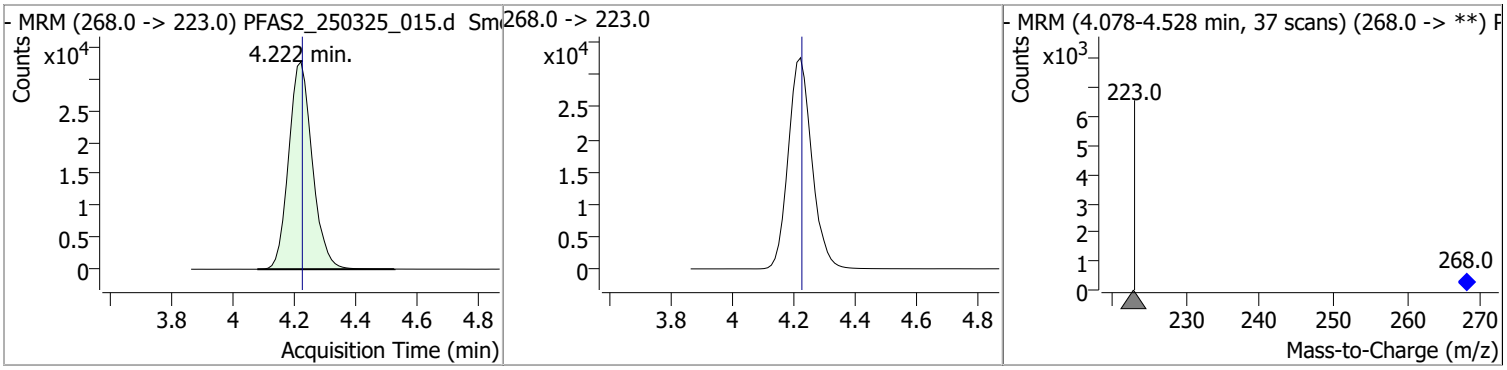
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0560	3.60	0.00	17				



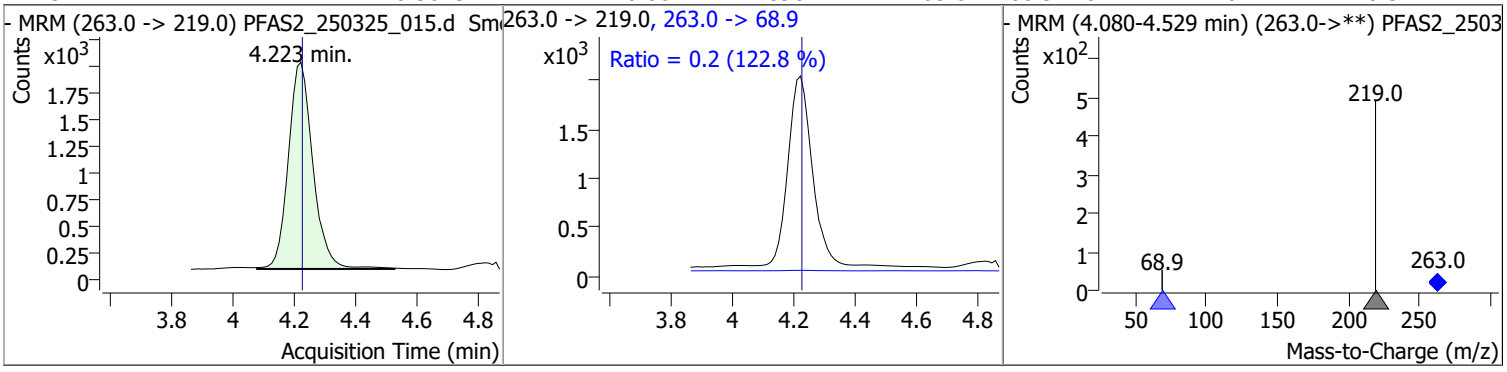
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.68	-0.10	12	241.0 -> 117.0		41.3	76.7



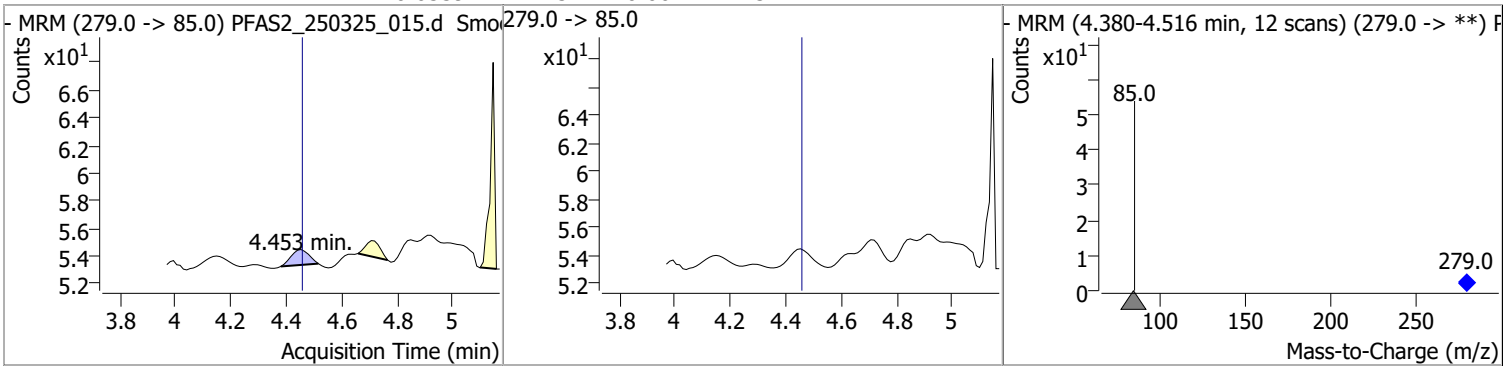
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1247	4.22	0.00	174310				



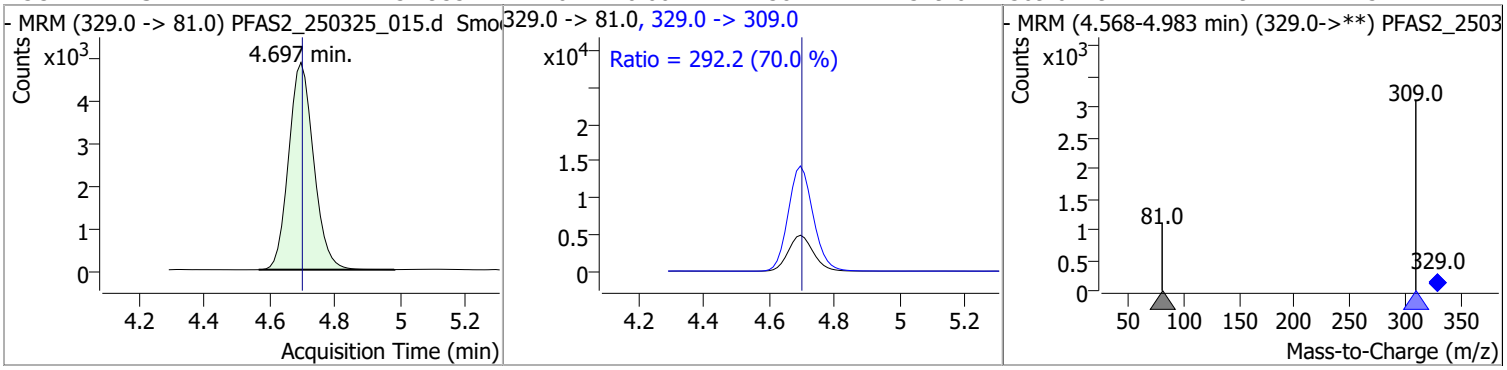
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.3623	4.22	0.00	10907	263.0 -> 68.9	0.2	0.1	0.3



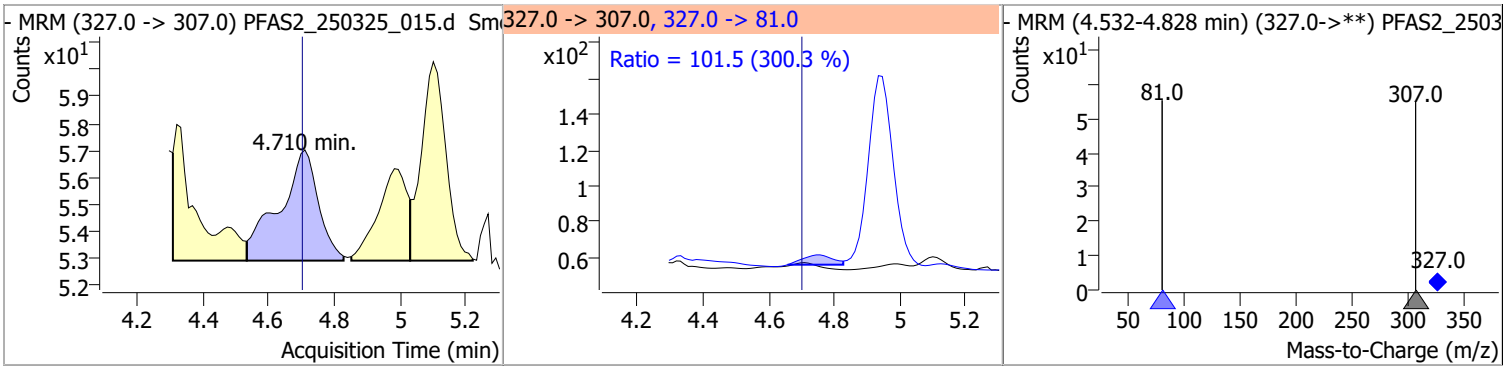
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0339	4.45	0.00	5				



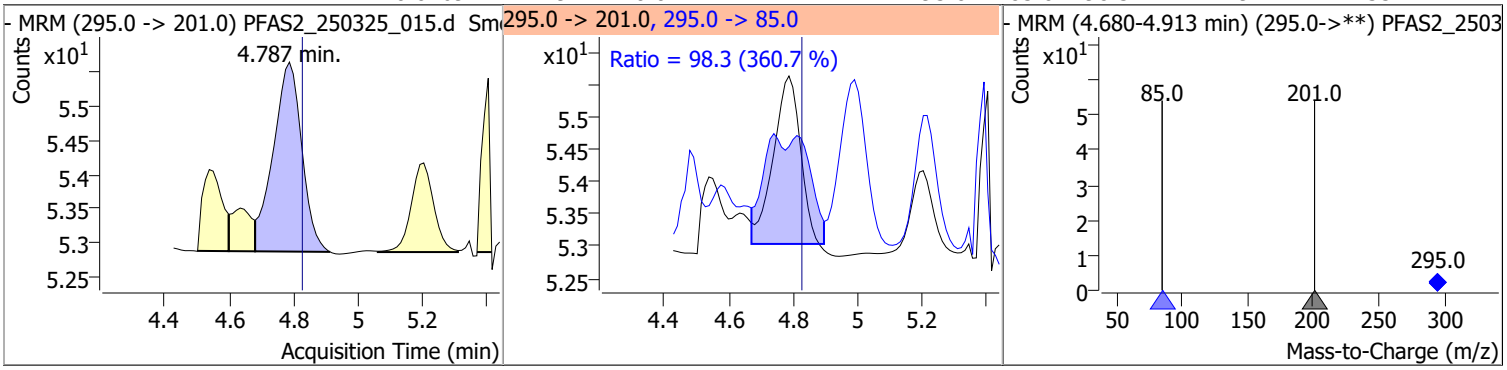
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7955	4.70	0.00	25827	329.0 -> 309.0	292.2	292.1	542.4



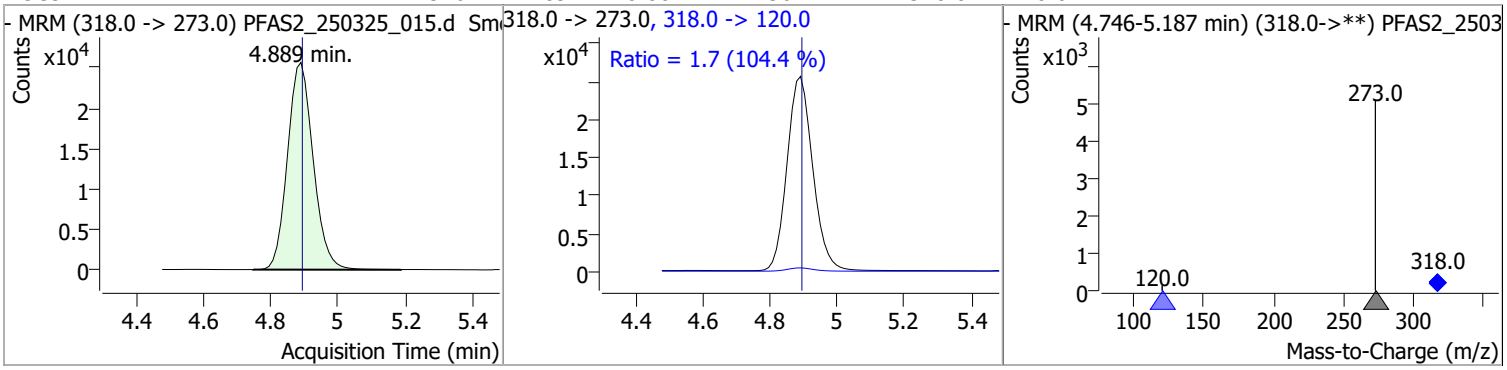
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0022	4.71	0.01	34	327.0 -> 81.0	101.5	23.6	43.9



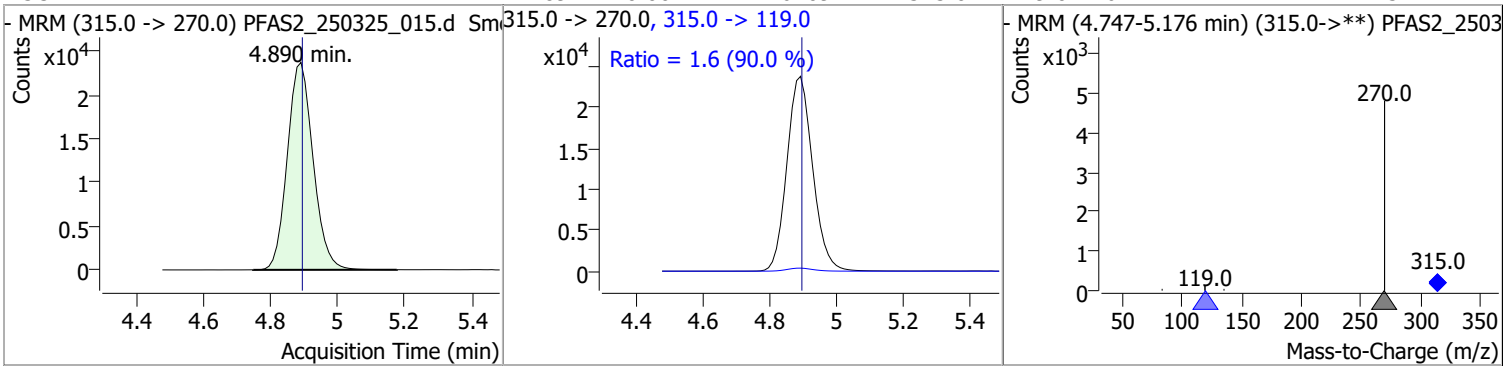
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0169	4.79	-0.04	17	295.0 -> 85.0	98.3	19.1	35.4



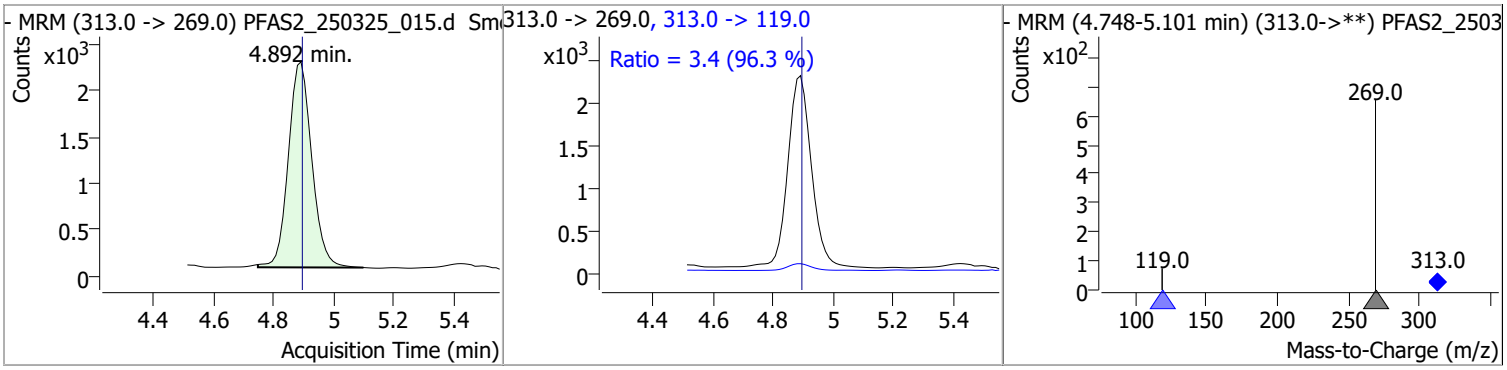
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4516	4.89	0.00	136124	318.0 -> 120.0	1.7	1.1	2.1



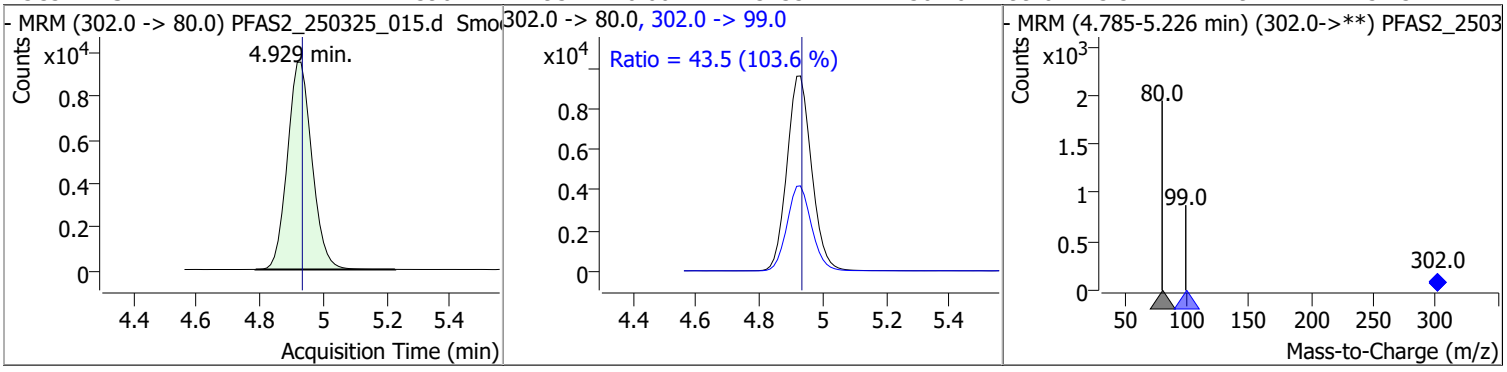
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	126109	315.0 -> 119.0	1.6	1.2	2.3



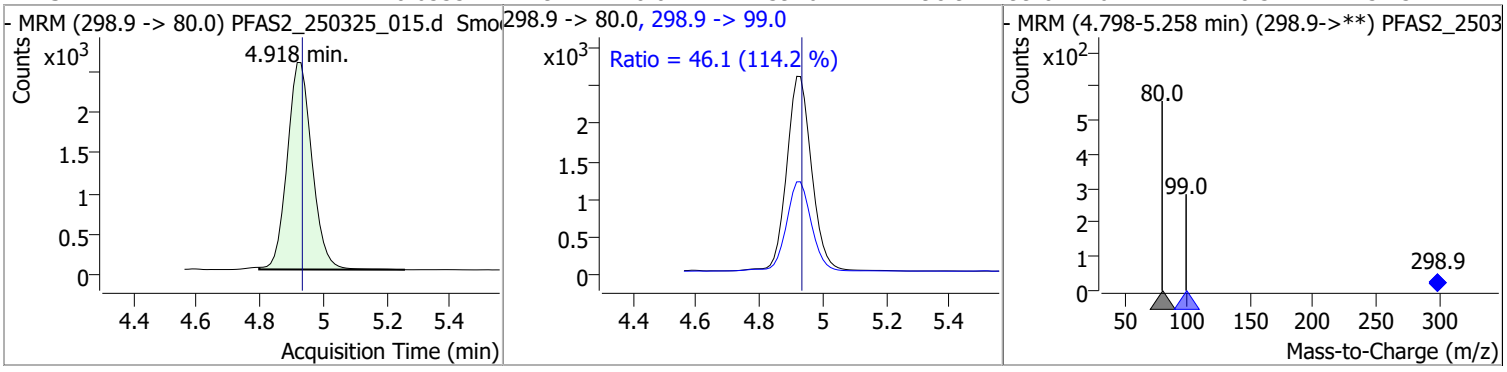
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2478	4.89	0.00	12071	313.0 -> 119.0	3.4	2.4	4.5



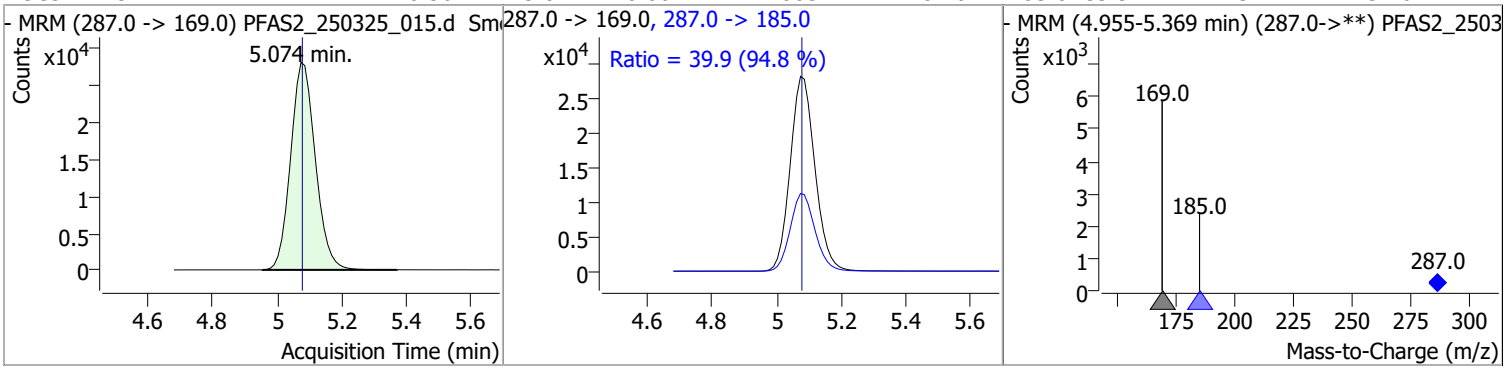
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3902	4.93	0.00	51354	302.0 -> 99.0	43.5	29.4	54.5



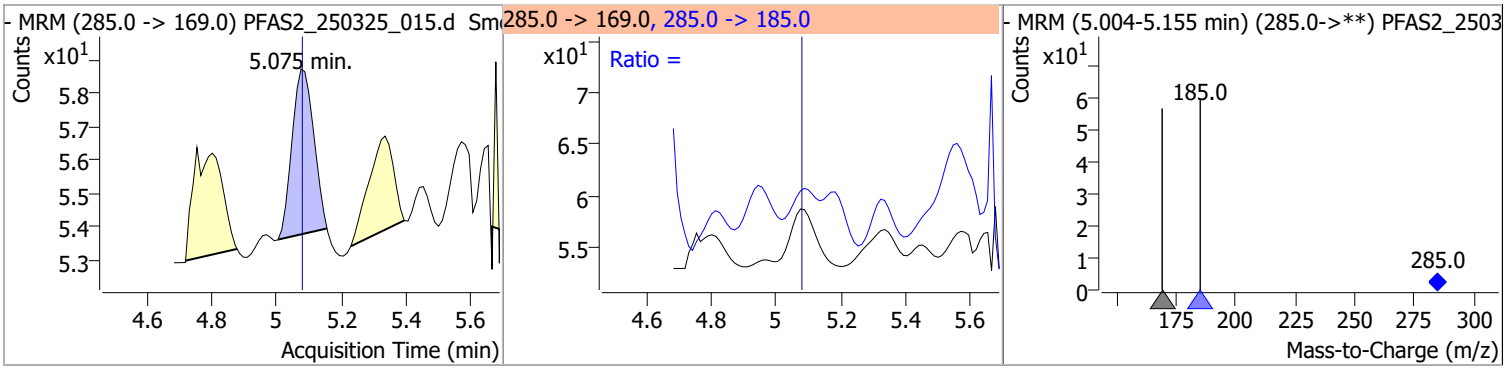
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6535	4.92	-0.01	13926	298.9 -> 99.0	46.1	28.3	52.5



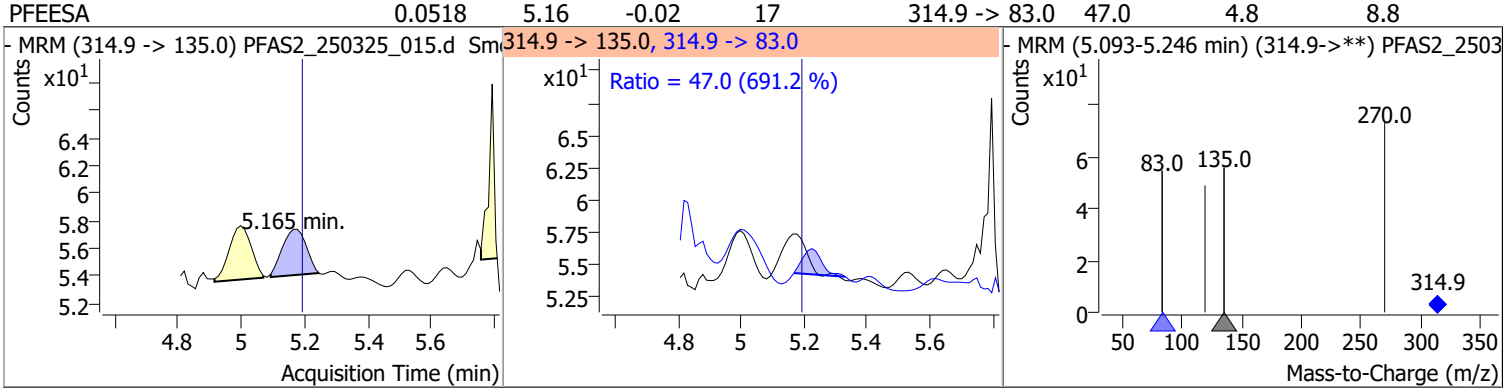
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3617	5.07	0.00	148857	287.0 -> 185.0	39.9	29.4	54.6



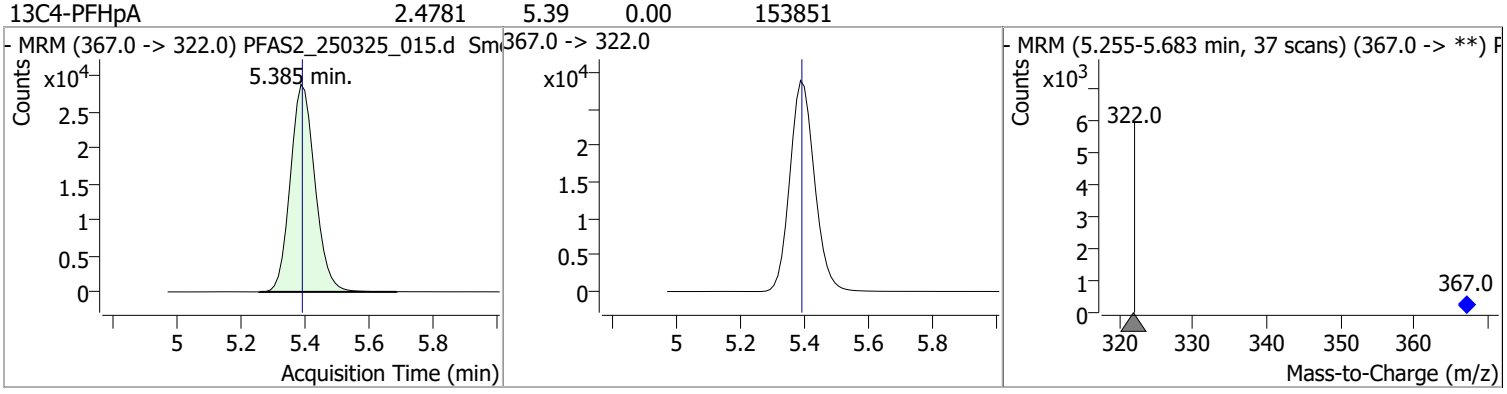
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0017	5.07	0.00	23	285.0 -> 185.0		30.1	56.0



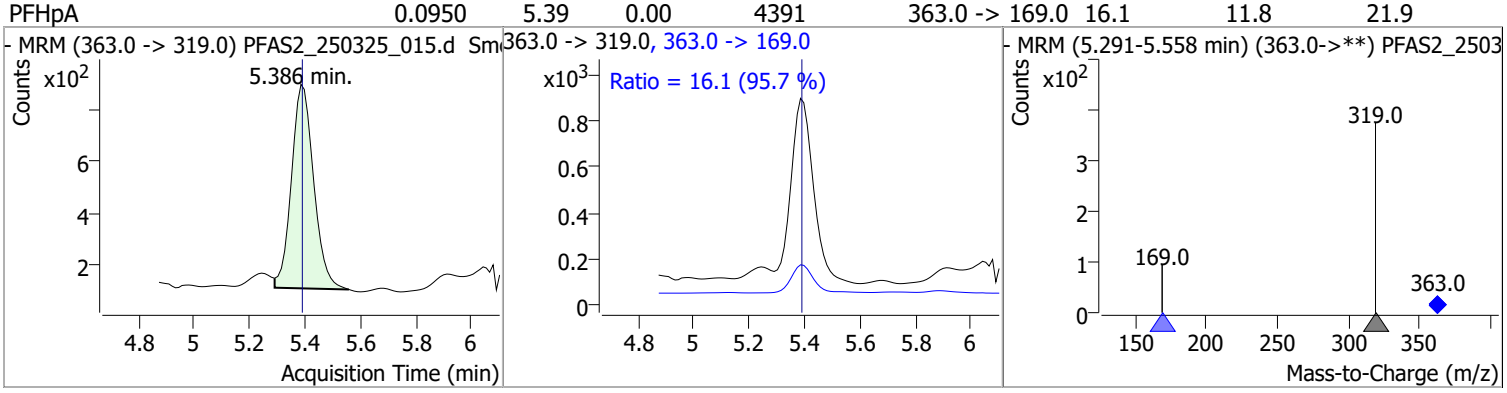
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0518	5.16	-0.02	17	314.9 -> 83.0	47.0	4.8	8.8



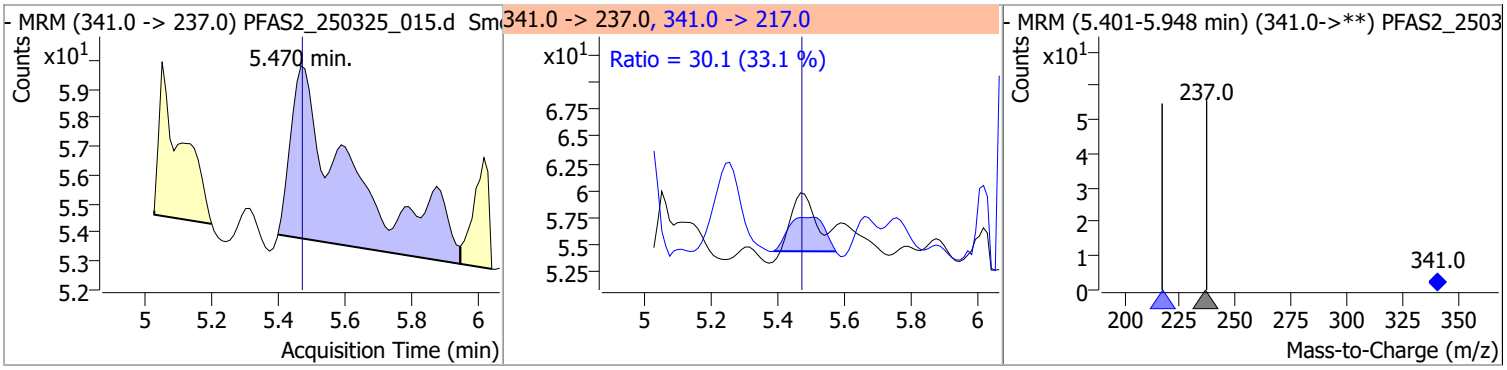
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4781	5.39	0.00	153851				



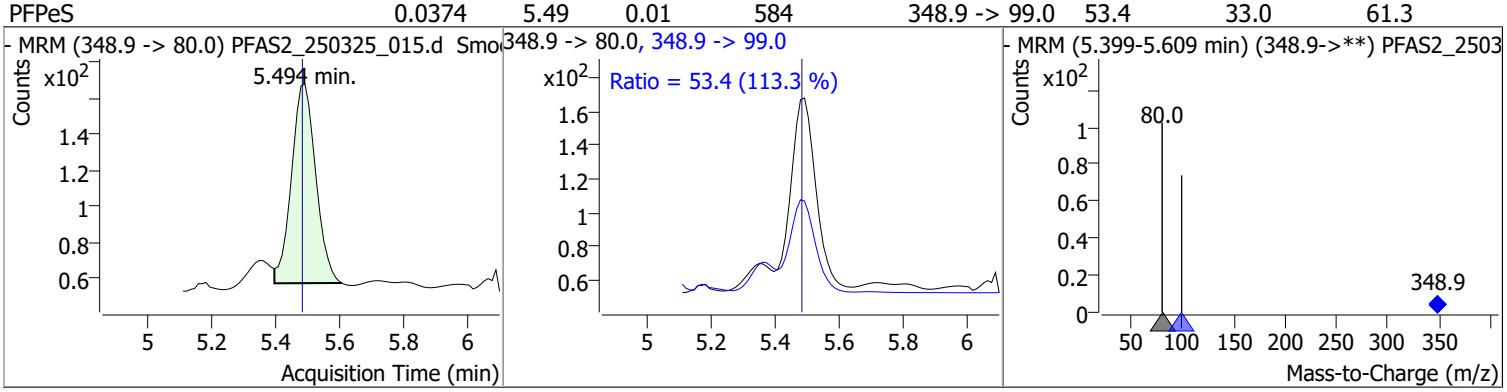
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0950	5.39	0.00	4391	363.0 -> 169.0	16.1	11.8	21.9



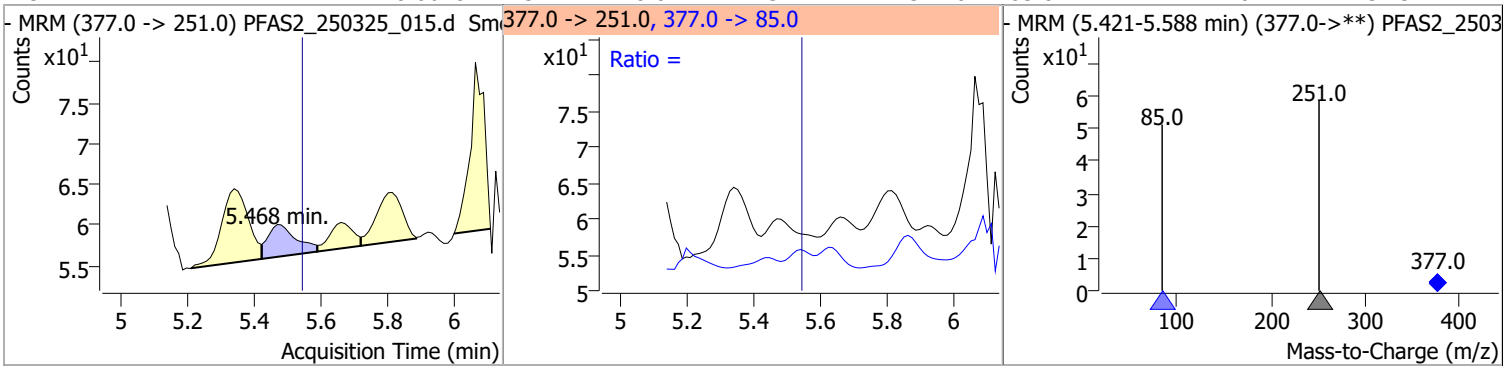
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1974	5.47	0.00	78	341.0 -> 217.0	30.1	63.6	118.1



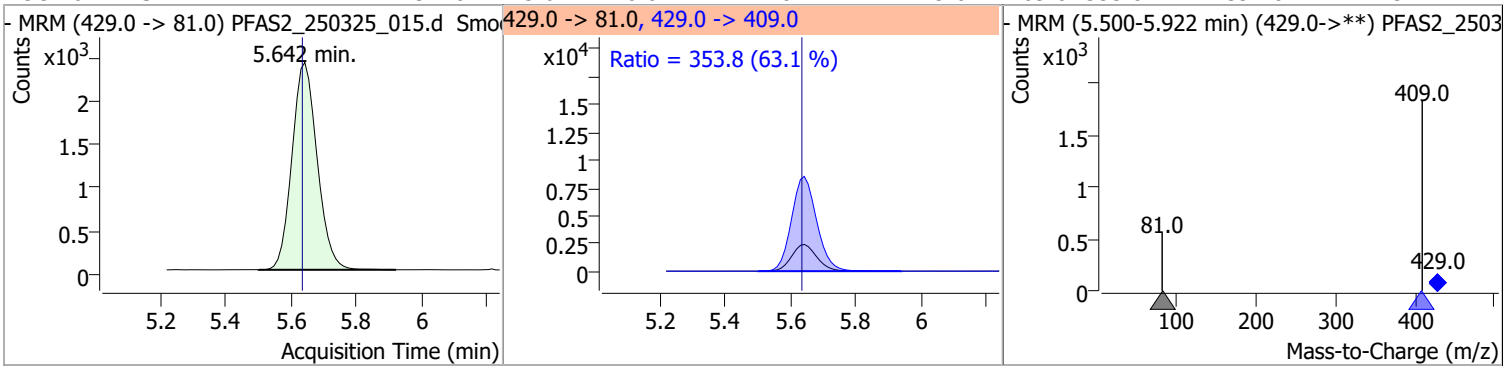
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0374	5.49	0.01	584	348.9 -> 99.0	53.4	33.0	61.3



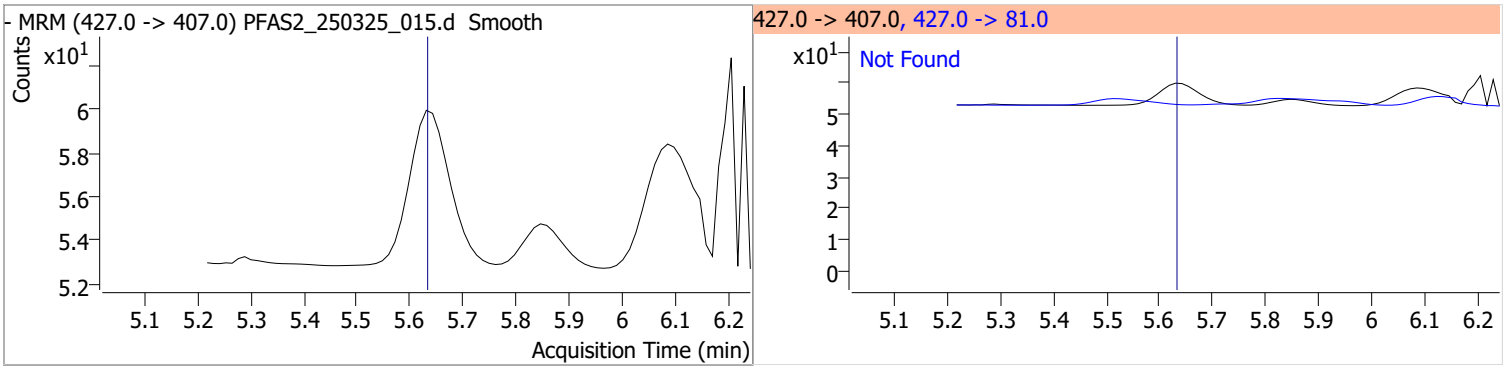
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0678	5.47	-0.07	23	377.0 -> 85.0		20.4	37.9



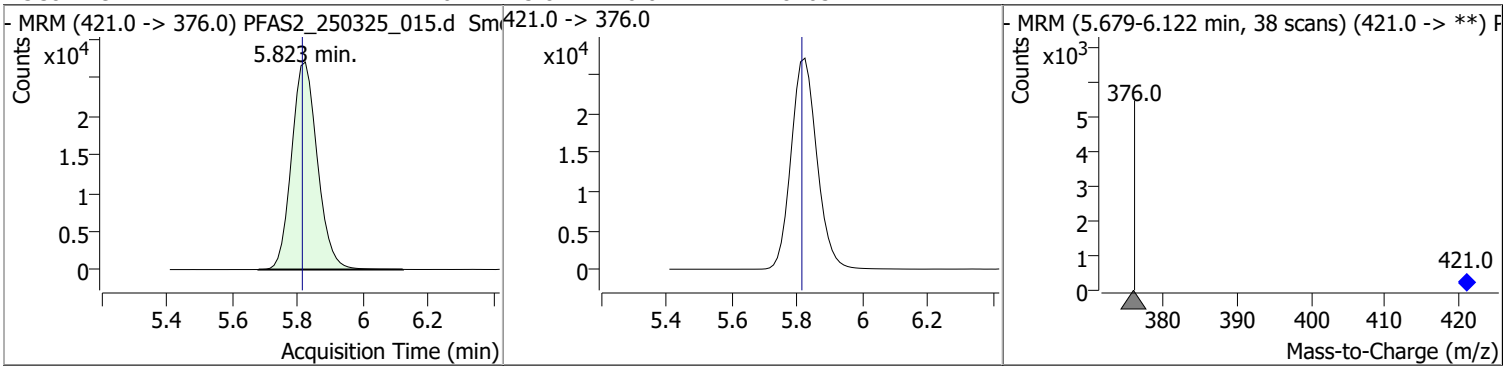
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9170	5.64	0.01	12847	429.0 -> 409.0	353.8	392.8	729.4



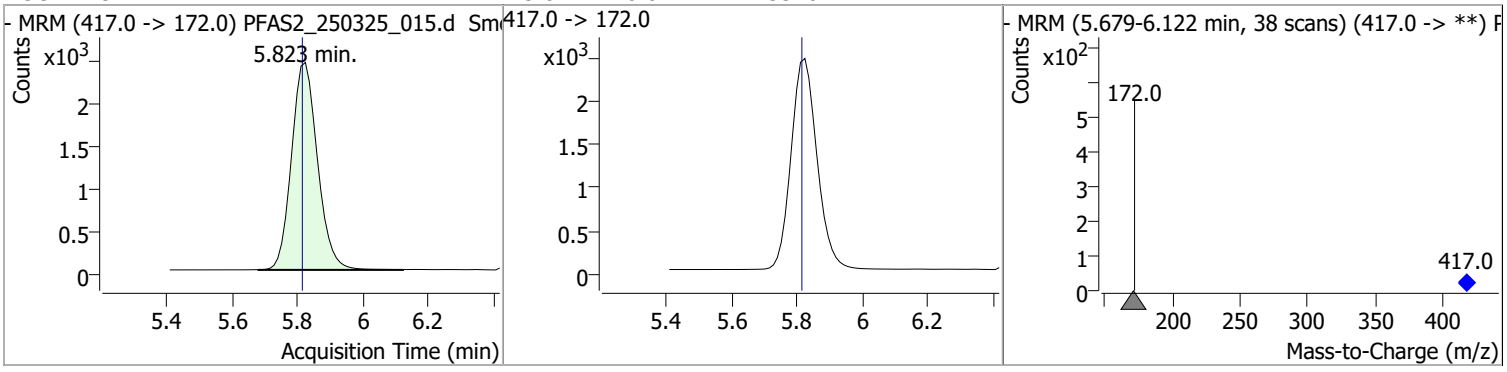
Compound	Conc.	Exp RT	QIon	Exp Ratio
6-2 FTSA	N.D.	5.63	427.0 -> 81.0	25.2



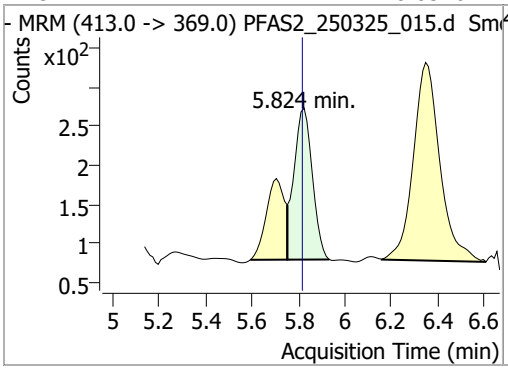
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4407	5.82	0.01	148205				

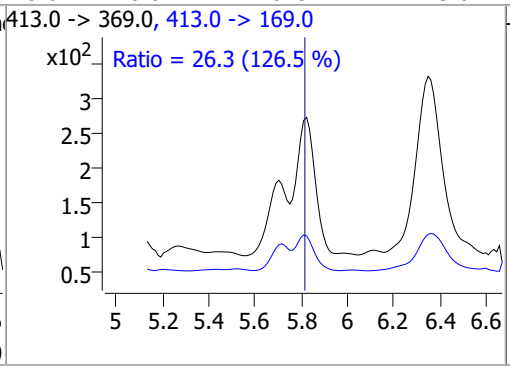


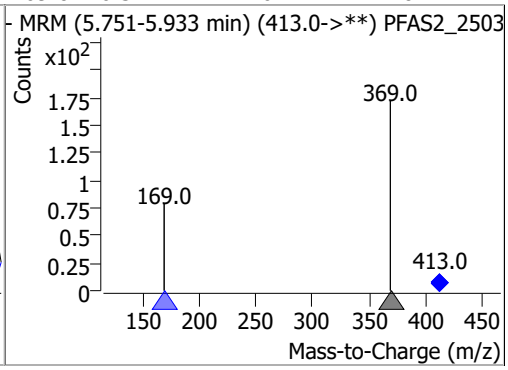
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13578				



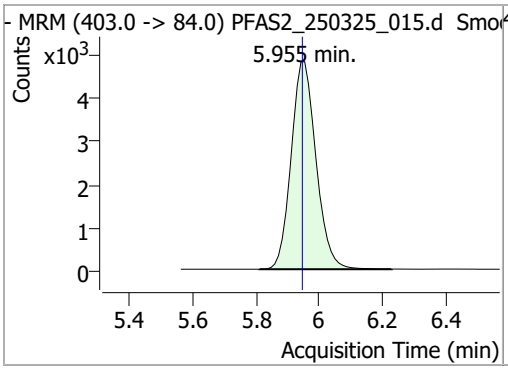
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0546	5.82	0.01	1075	413.0 -> 169.0	26.3	14.6	27.0

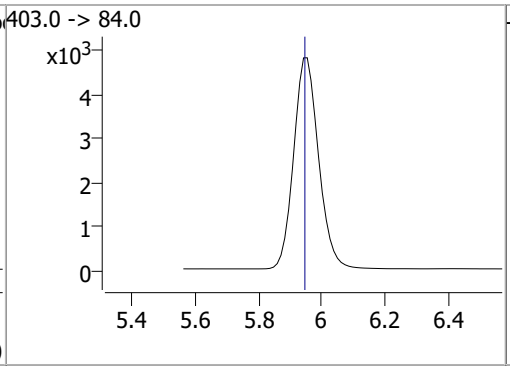


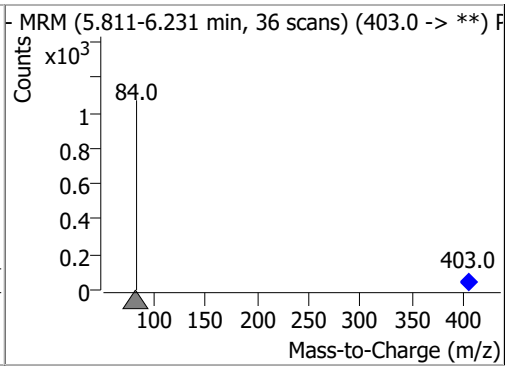




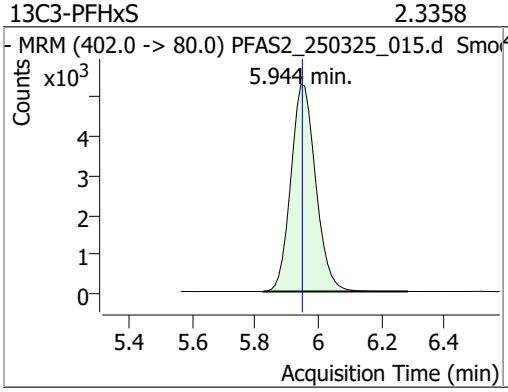
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	26238				

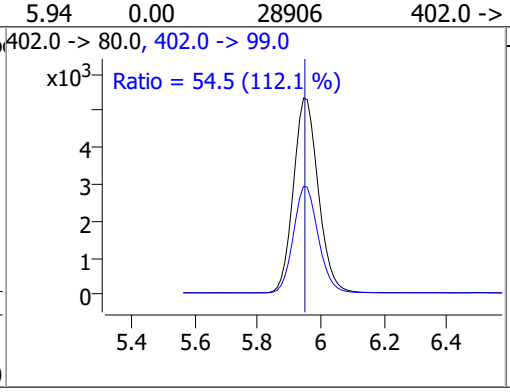


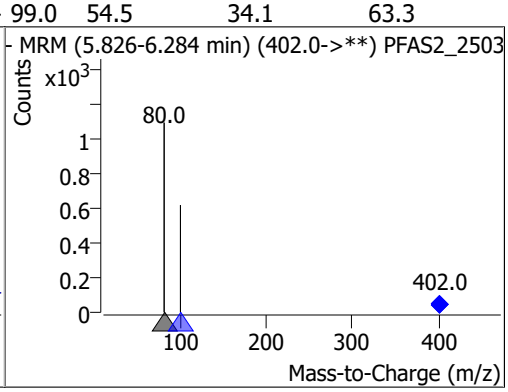




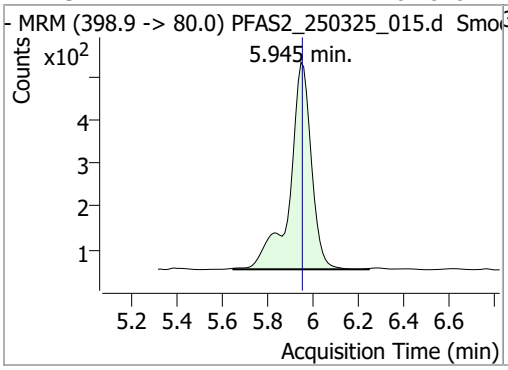
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3358	5.94	0.00	28906	402.0 -> 99.0	54.5	34.1	63.3

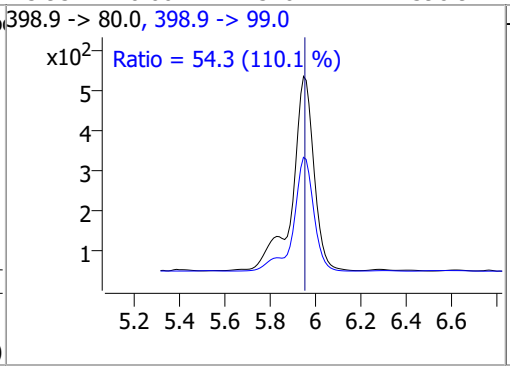


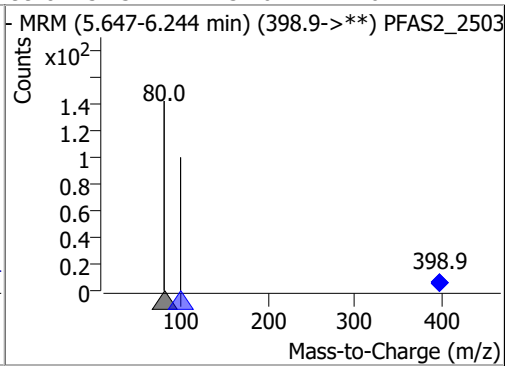




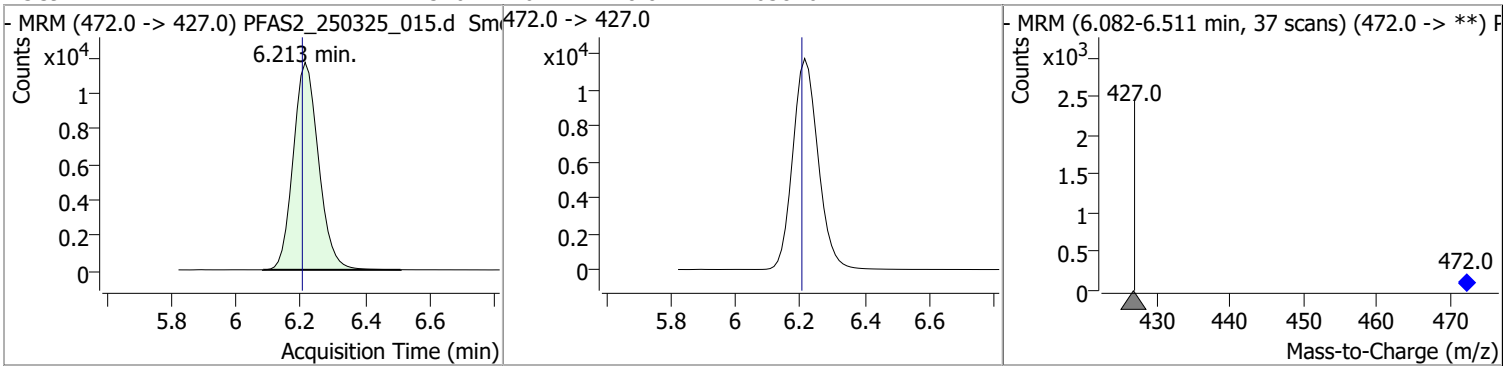
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2848	5.95	0.00	3202	398.9 -> 99.0	54.3	34.6	64.2



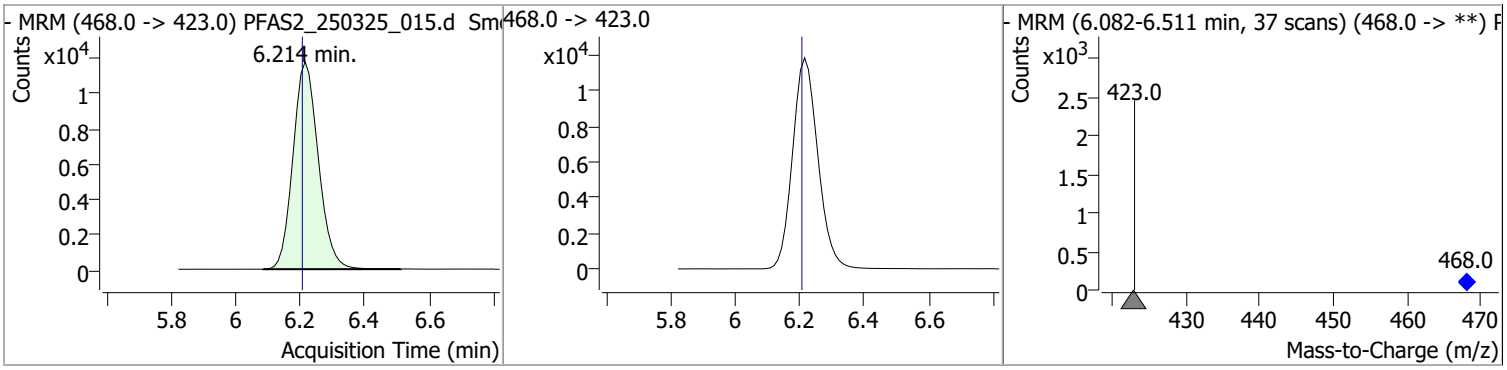




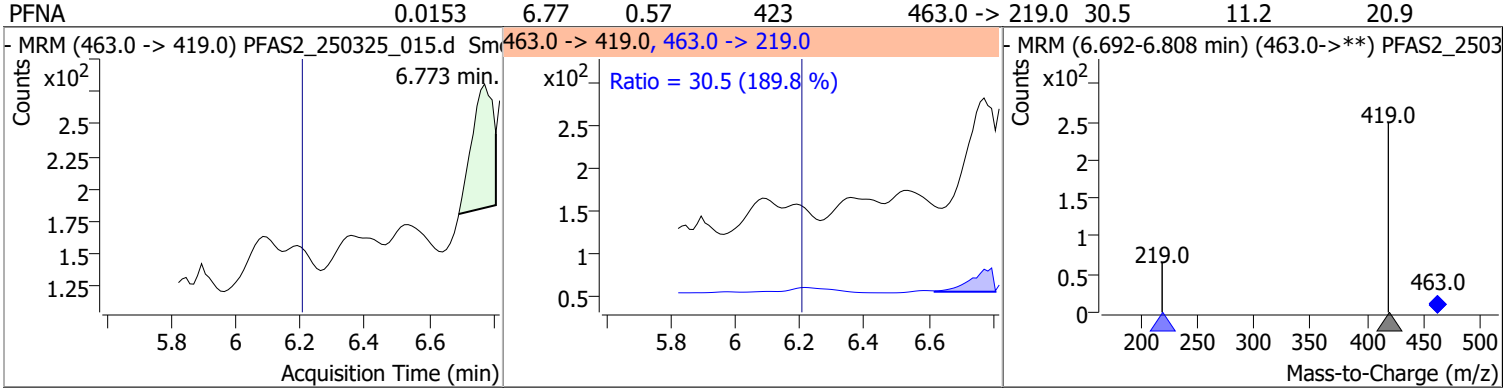
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2546	6.21	0.01	63816				



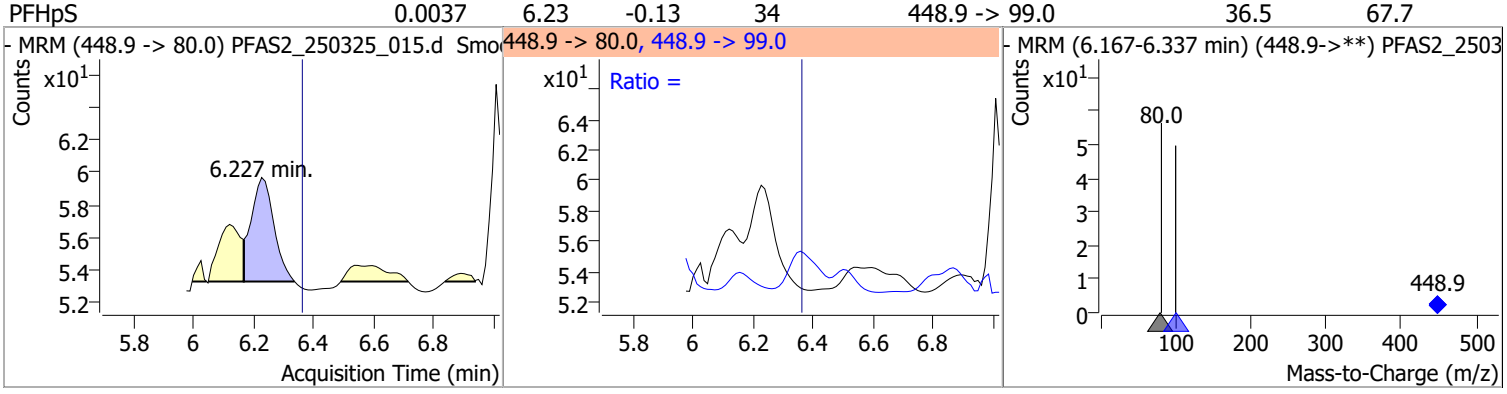
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	64193				



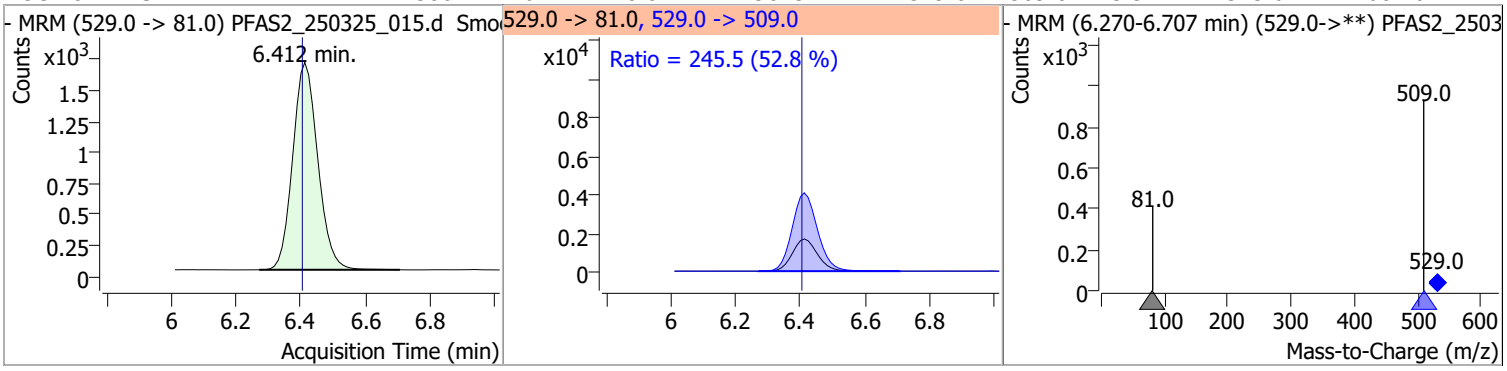
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0153	6.77	0.57	423	463.0 -> 219.0	30.5	11.2	20.9



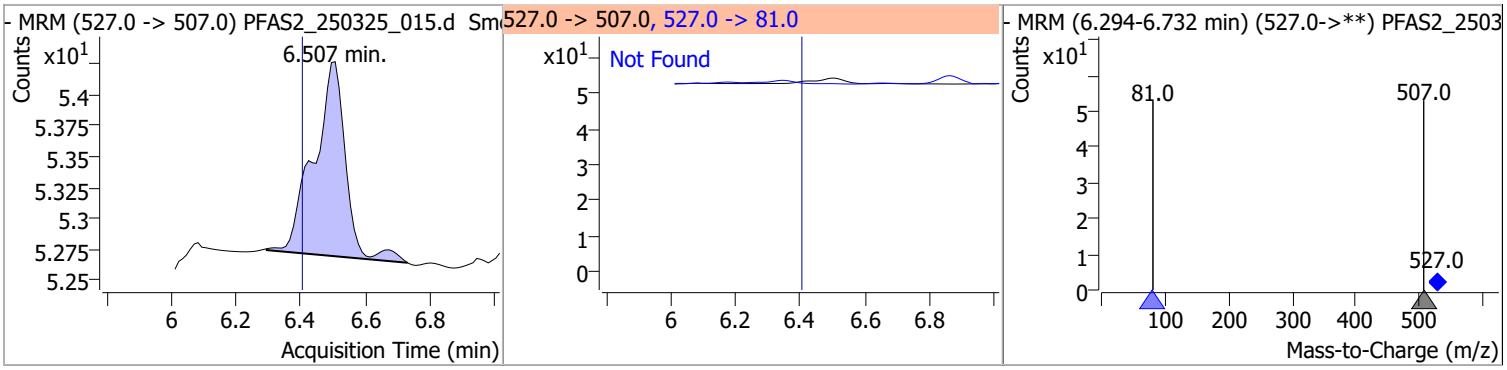
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0037	6.23	-0.13	34	448.9 -> 99.0		36.5	67.7



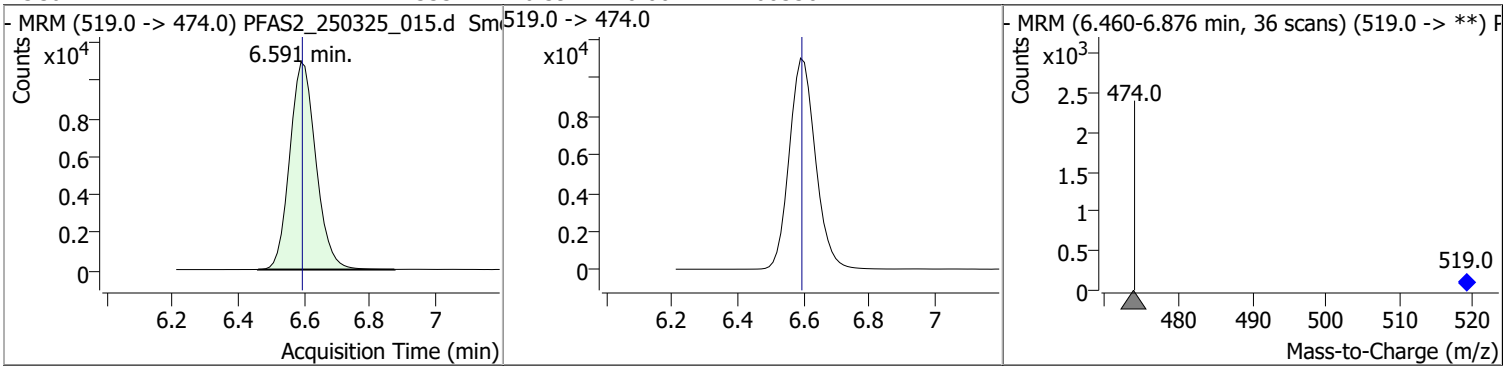
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.3061	6.41	0.01	9045	529.0 -> 509.0	245.5	325.6	604.6



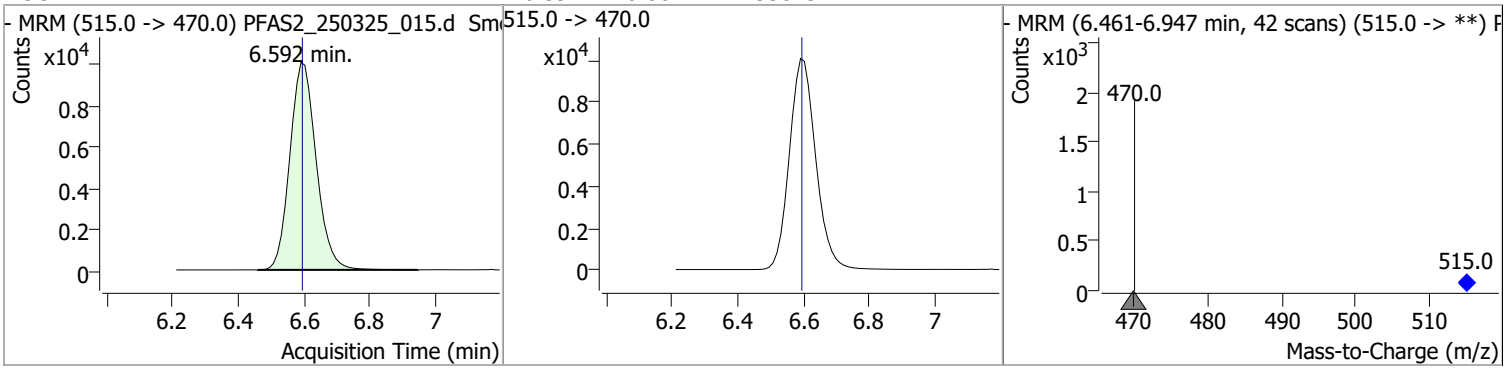
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0750	6.51	0.11	11	527.0 -> 81.0		19.7	36.6



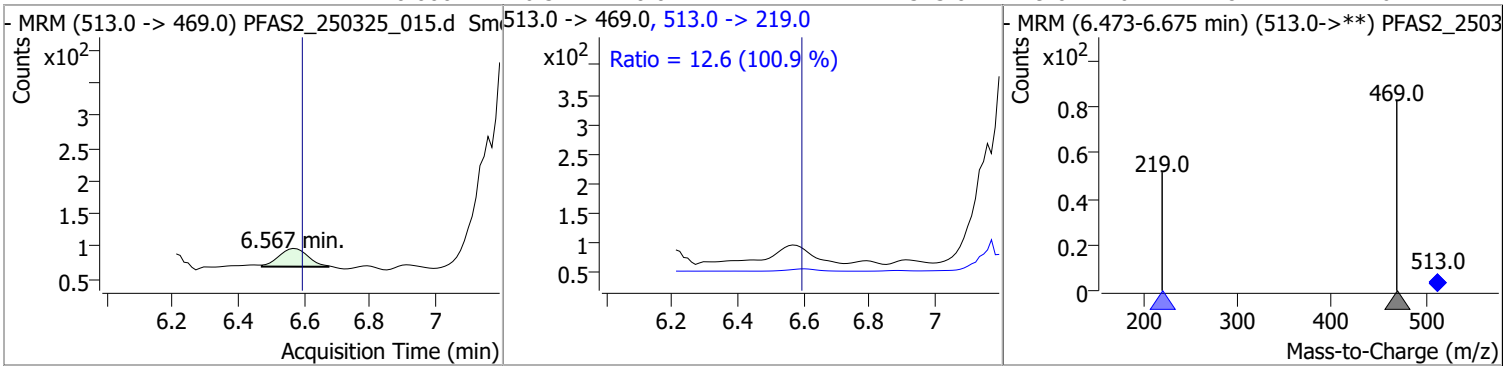
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3331	6.59	0.00	60550				



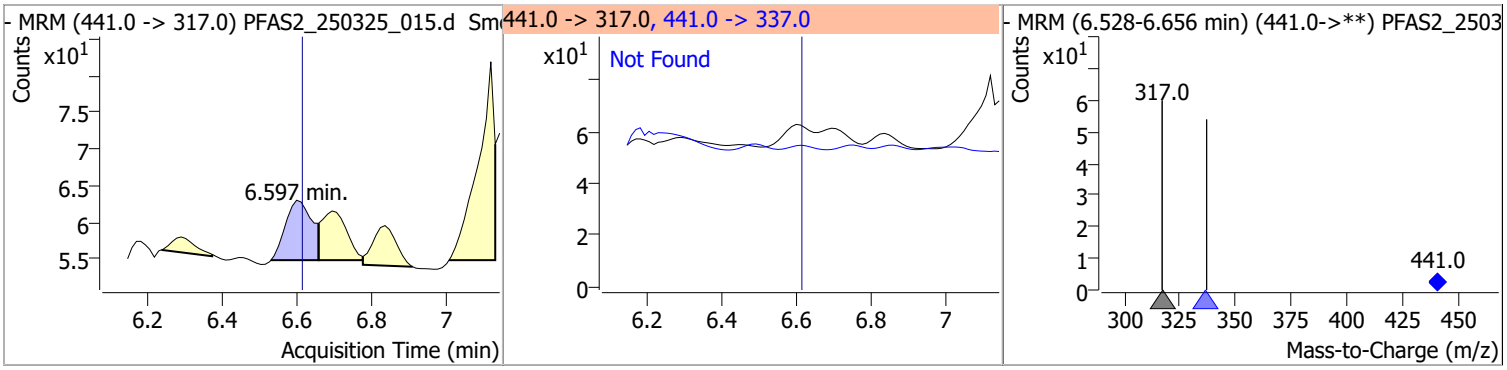
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	55819				



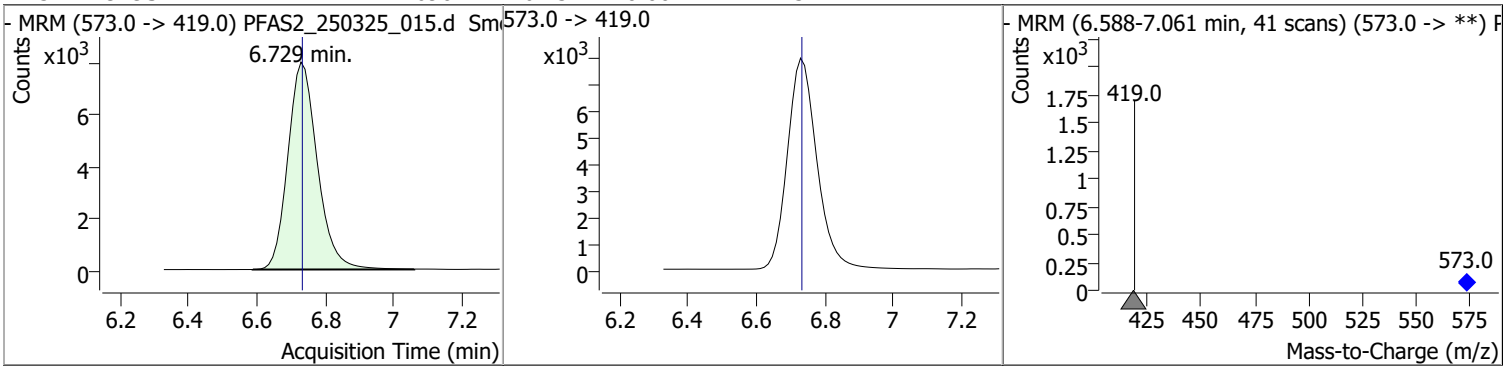
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0007	6.57	-0.02	172	513.0 -> 219.0	12.6	8.7	16.2



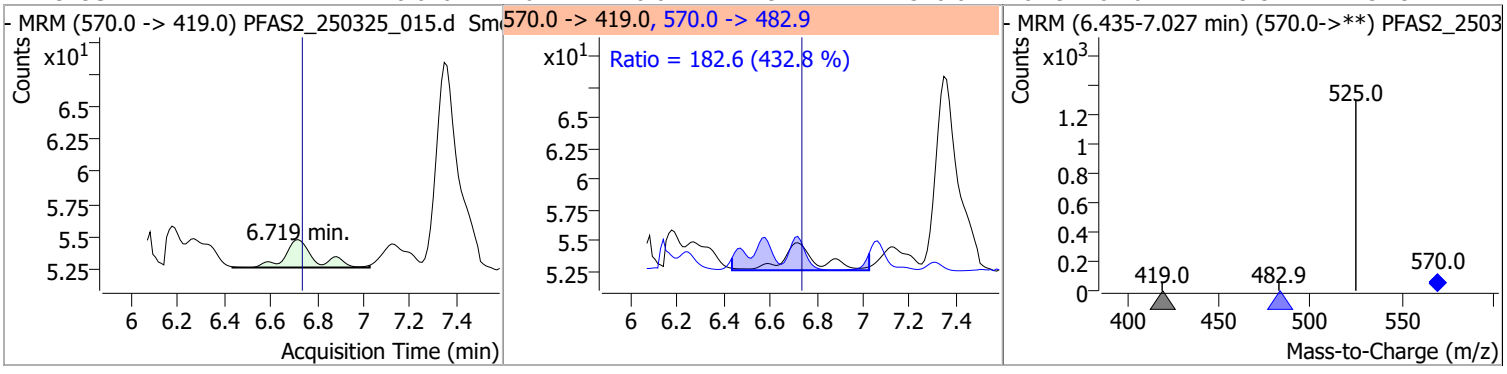
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2582	6.60	-0.01	40	441.0 -> 337.0		77.1	143.3



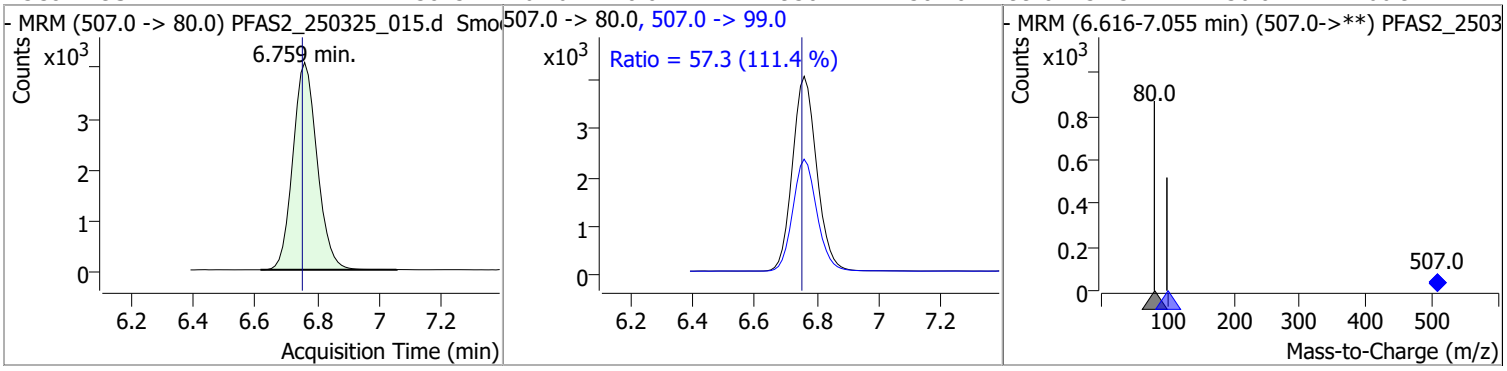
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6904	6.73	0.00	47731				



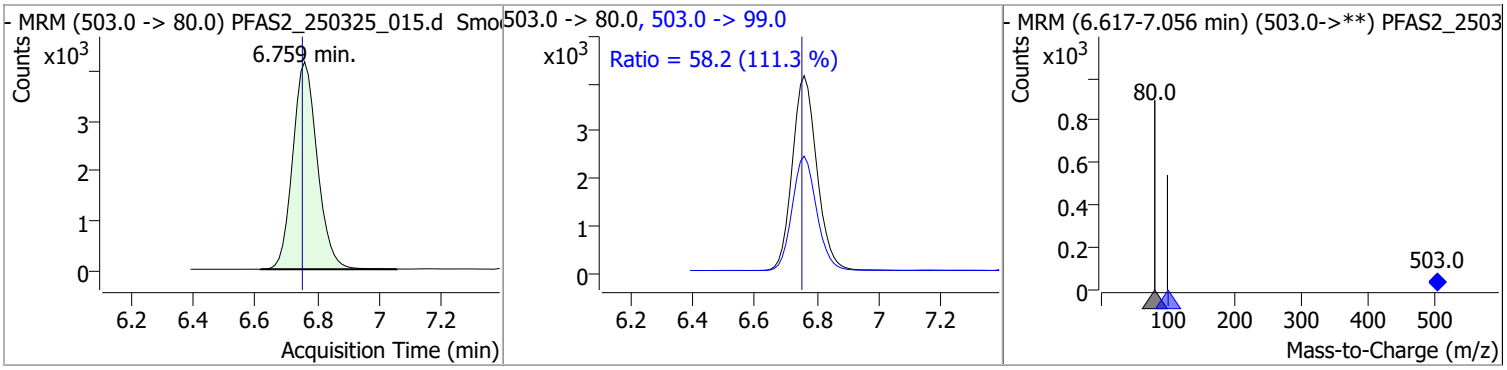
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0104	6.72	-0.01	19	570.0 -> 482.9	182.6	29.5	54.9



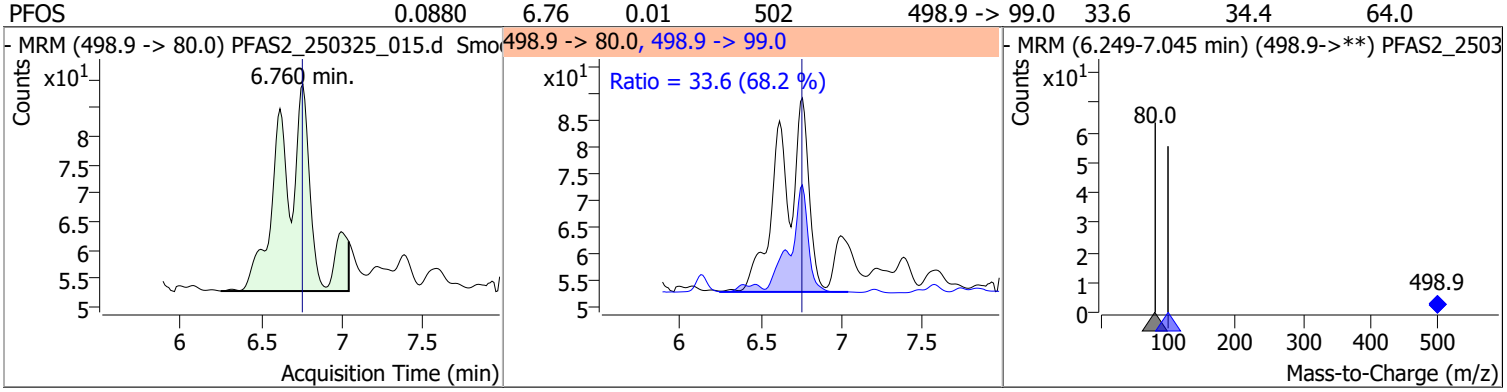
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3825	6.76	0.01	21930	507.0 -> 99.0	57.3	36.0	66.9



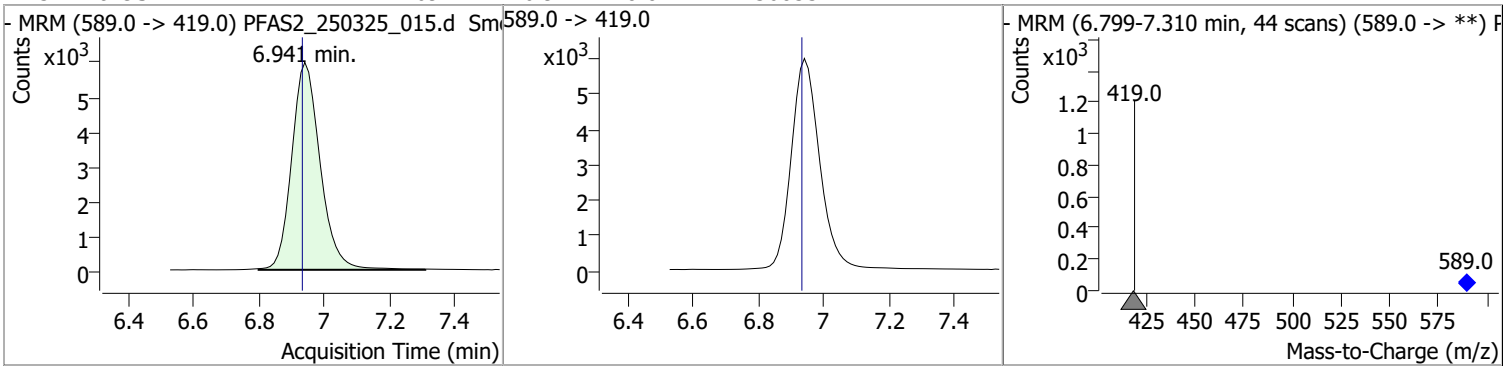
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	22680	503.0 -> 99.0	58.2	36.6	67.9



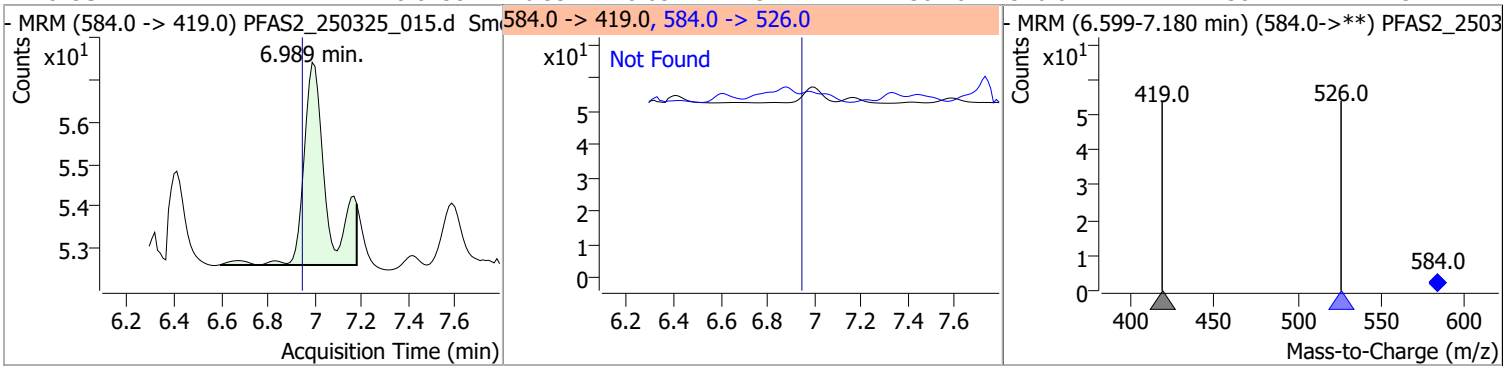
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0880	6.76	0.01	502	498.9 -> 99.0	33.6	34.4	64.0



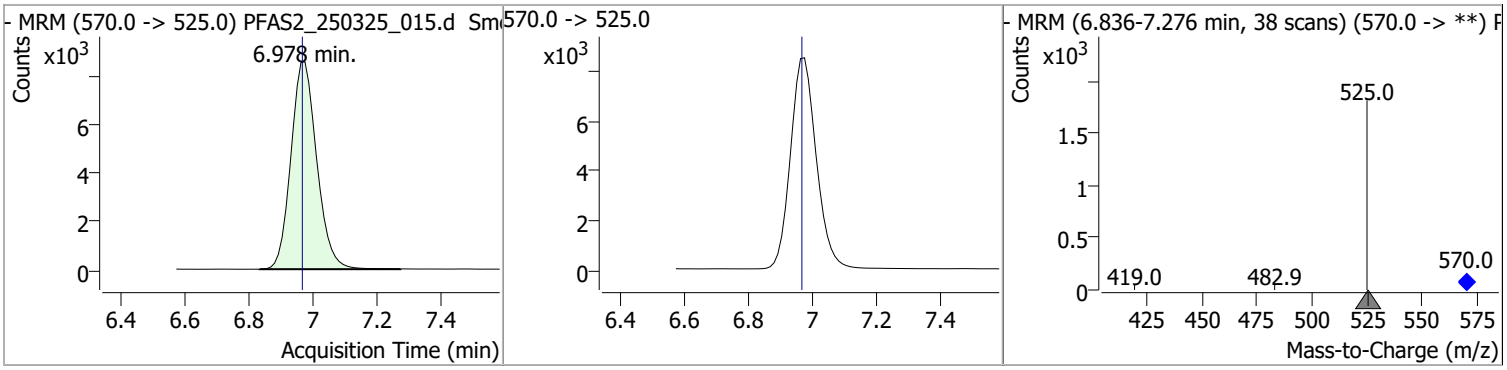
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6927	6.94	0.01	36053				



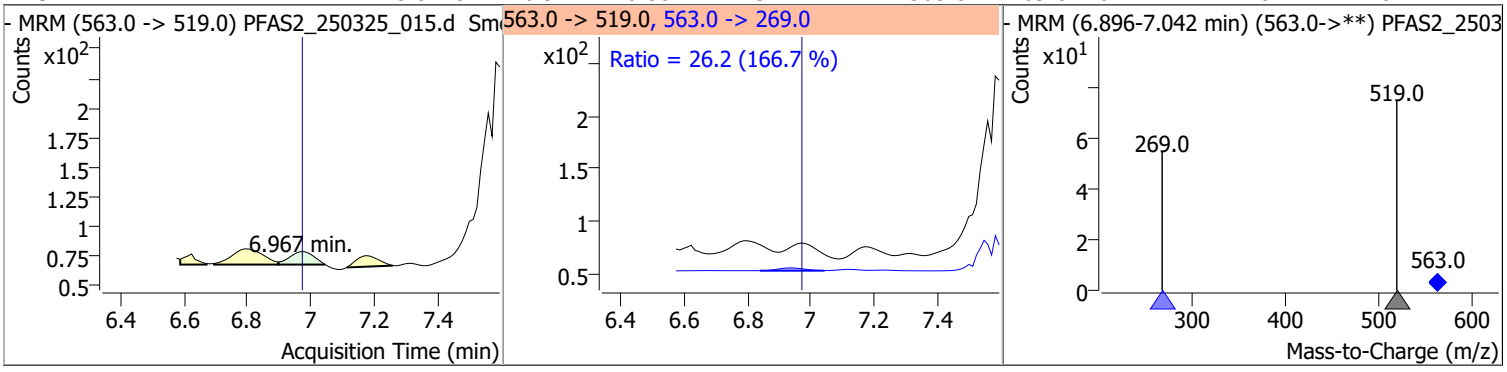
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0158	6.99	0.05	32	584.0 -> 526.0		38.4	71.3



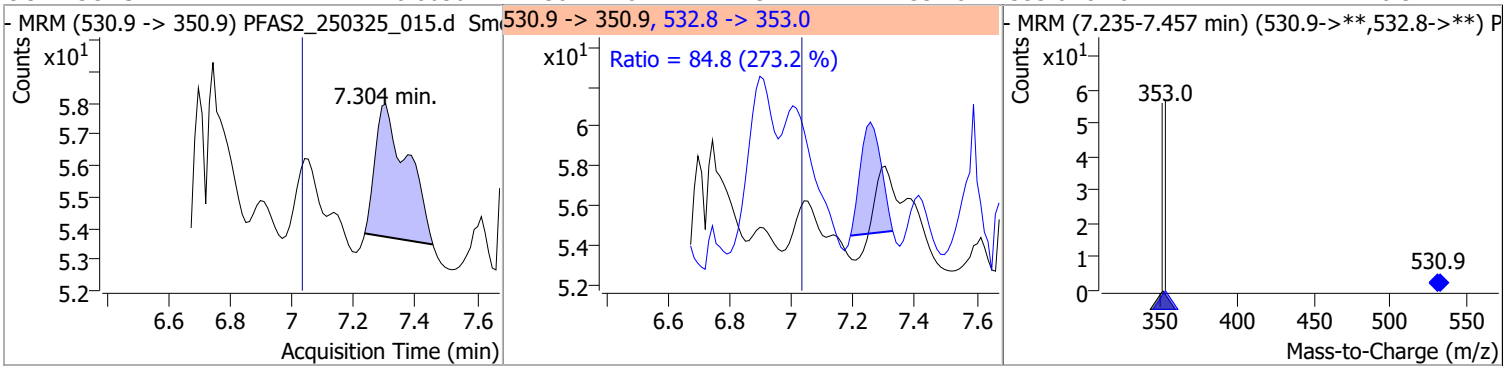
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3360	6.98	0.01	47826				



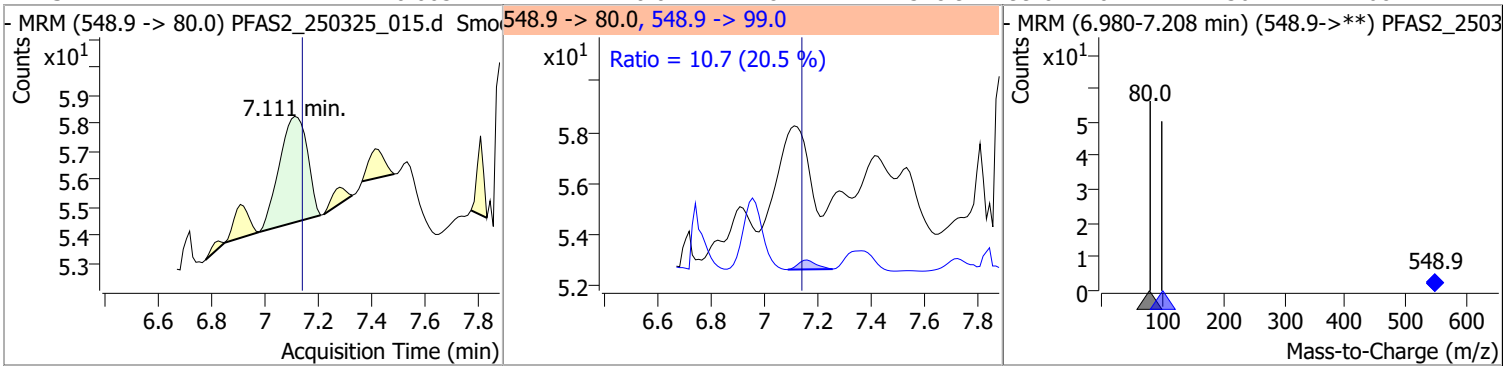
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0148	6.97	0.00	57	563.0 -> 269.0	26.2	11.0	20.4



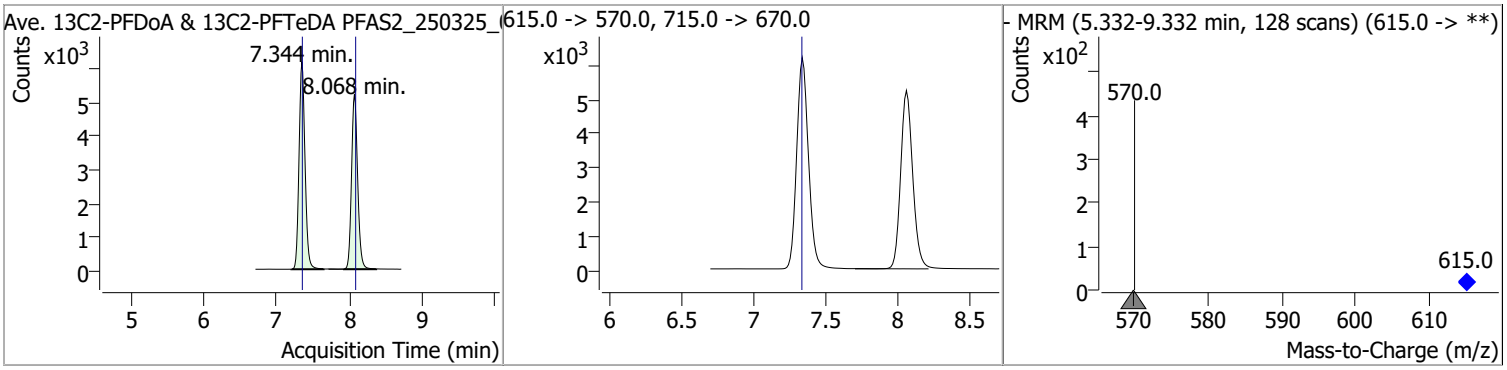
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0656	7.30	0.27	31	532.8 -> 353.0	84.8	21.7	40.3



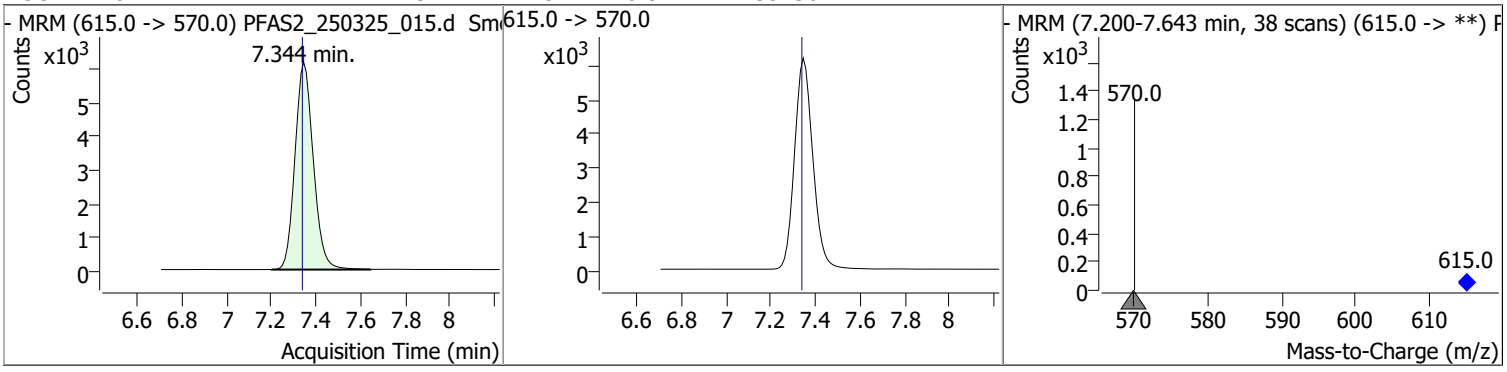
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0037	7.11	-0.02	28	548.9 -> 99.0	10.7	36.7	68.1



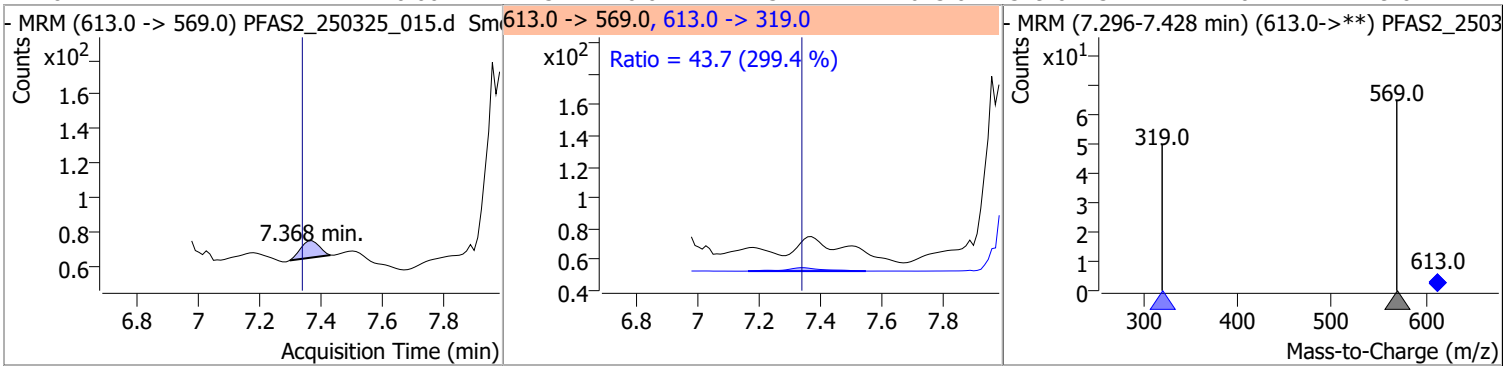
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1115	7.71	0.37	32794				



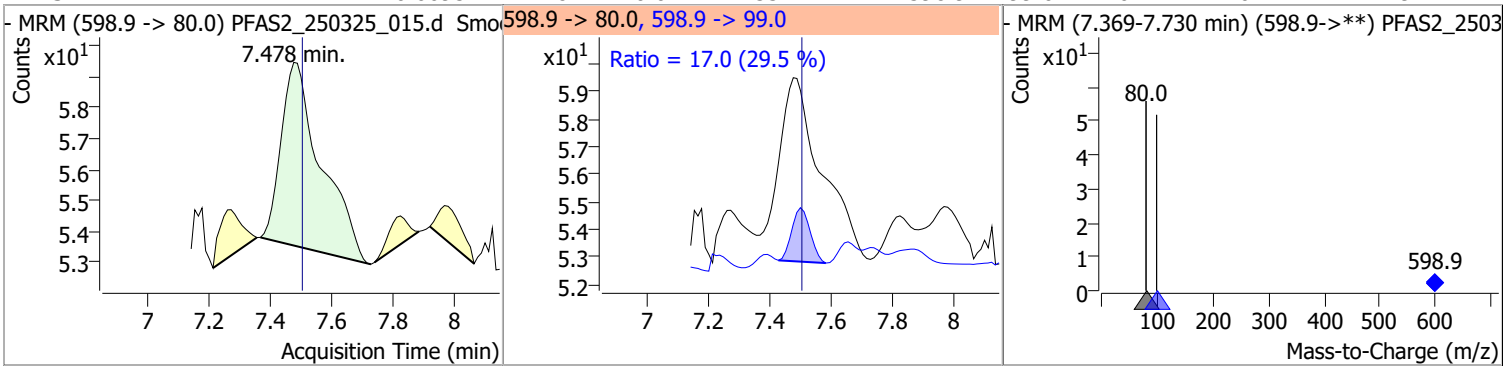
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3174	7.34	0.01	35136				



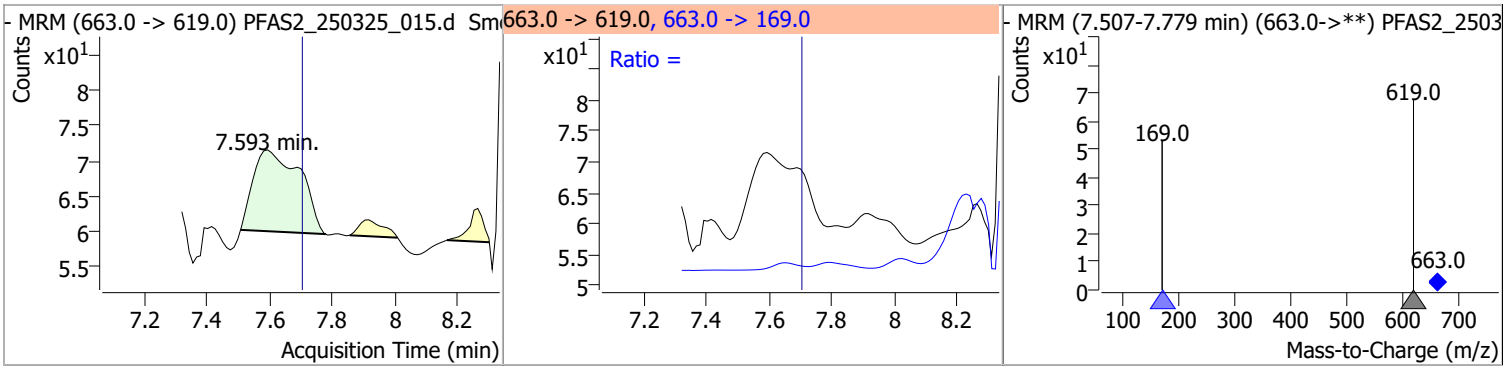
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0017	7.37	0.04	43	613.0 -> 319.0	43.7	10.2	19.0



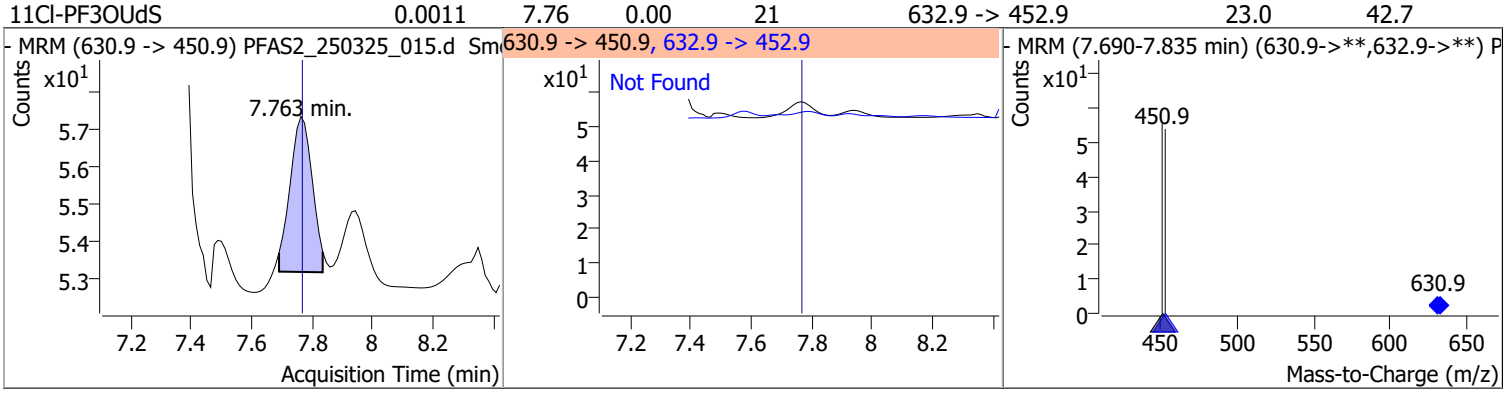
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0095	7.48	-0.02	53	598.9 -> 99.0	17.0	40.4	74.9



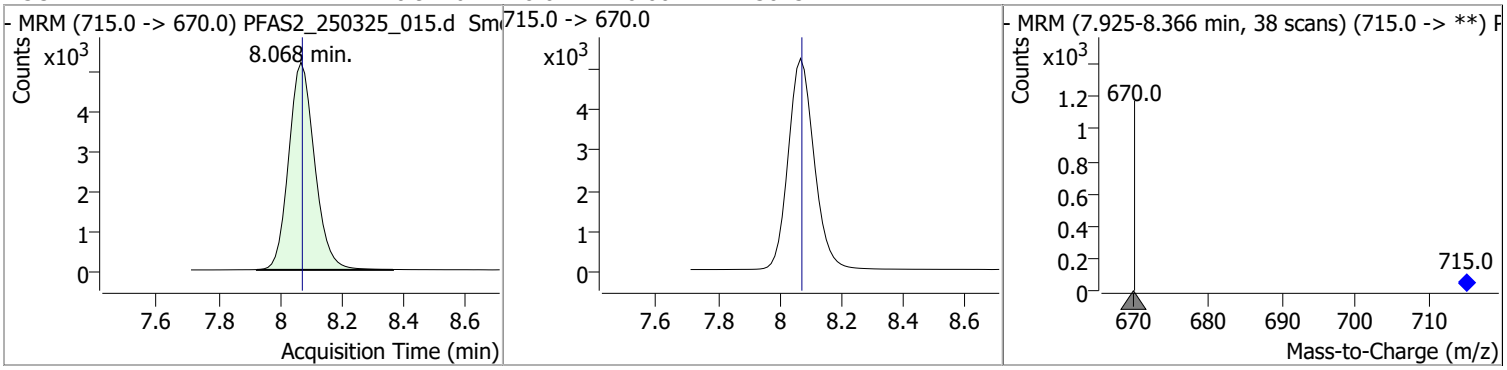
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0048	7.59	-0.11	119	663.0 -> 169.0		7.2	13.4



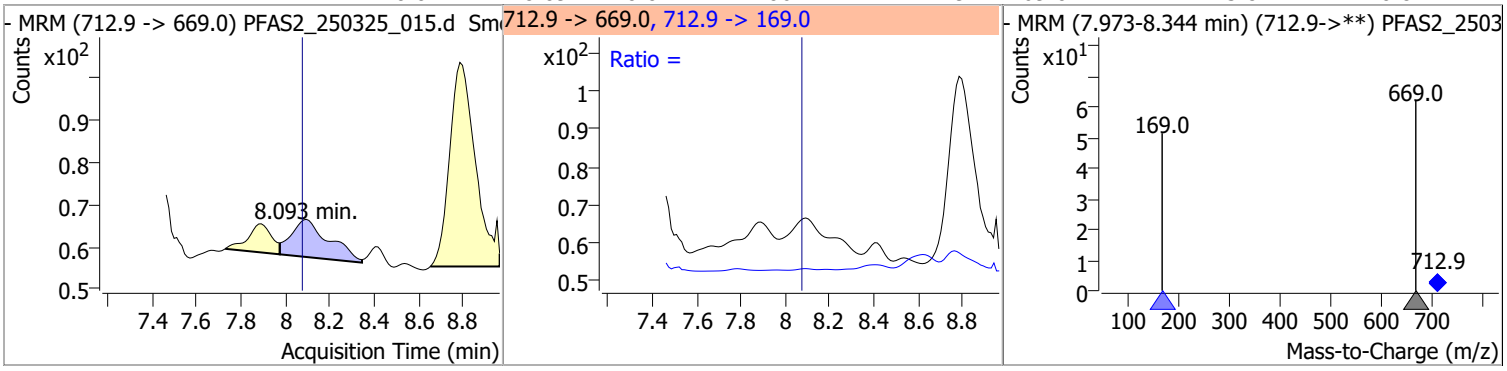
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0011	7.76	0.00	21	632.9 -> 452.9		23.0	42.7



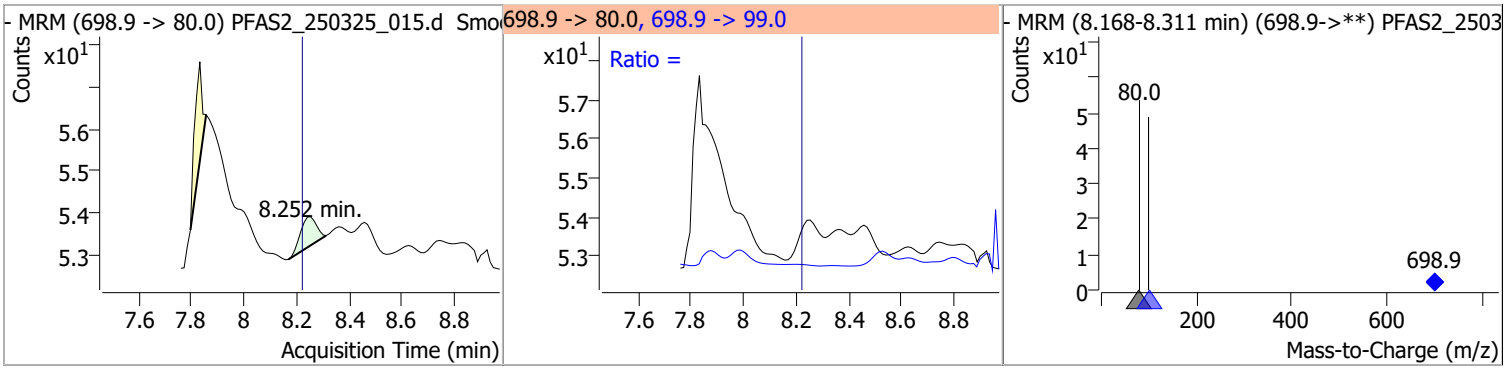
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9416	8.07	0.00	30452				



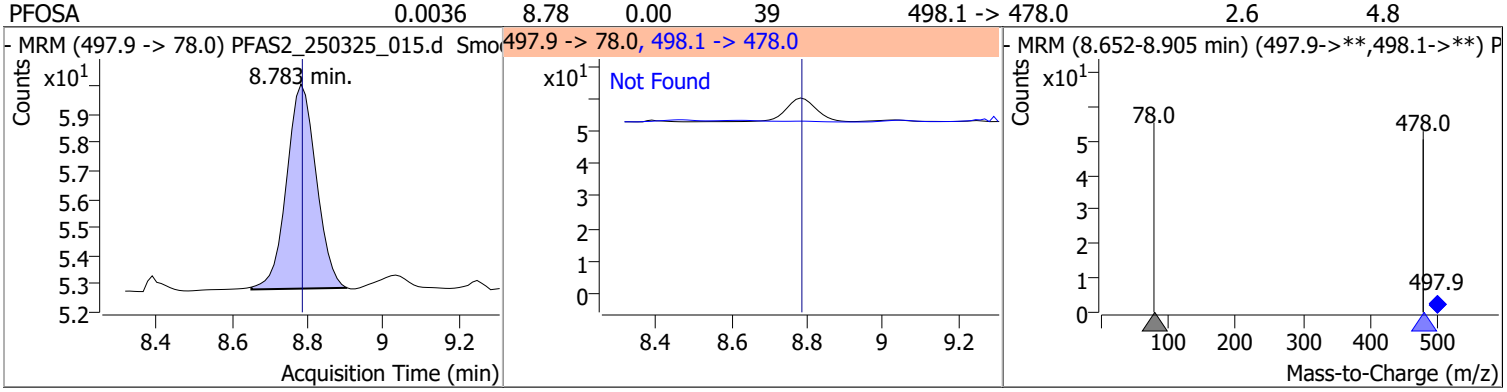
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0114	8.09	0.02	106	712.9 -> 169.0		5.8	10.8



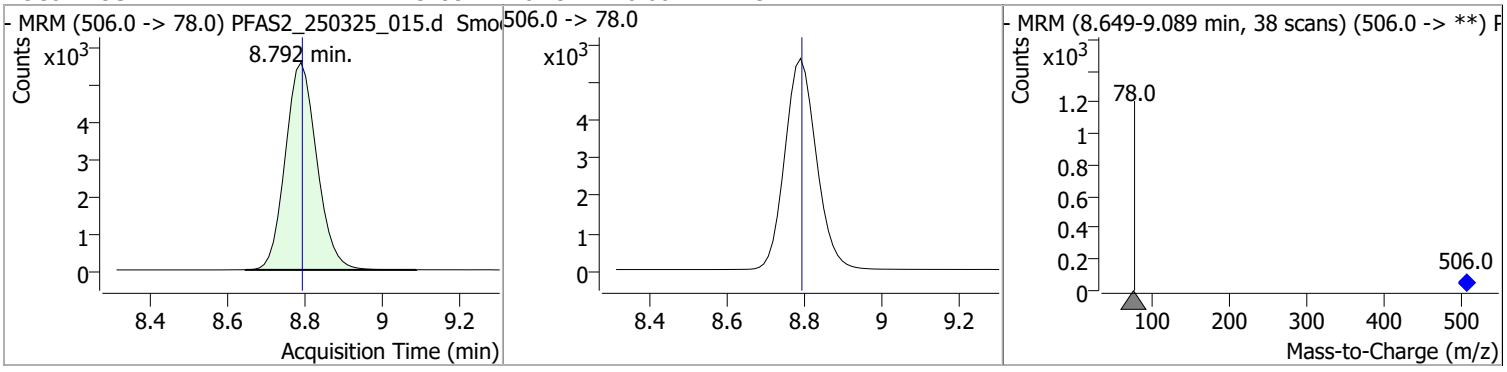
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0010	8.25	0.04	4	698.9 -> 99.0		41.0	76.1



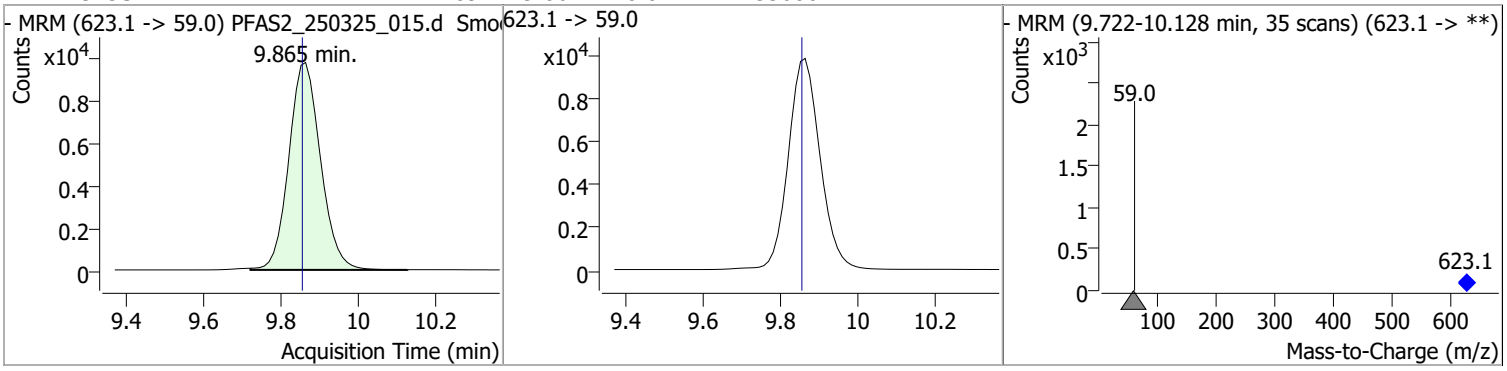
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0036	8.78	0.00	39	498.1 -> 478.0		2.6	4.8



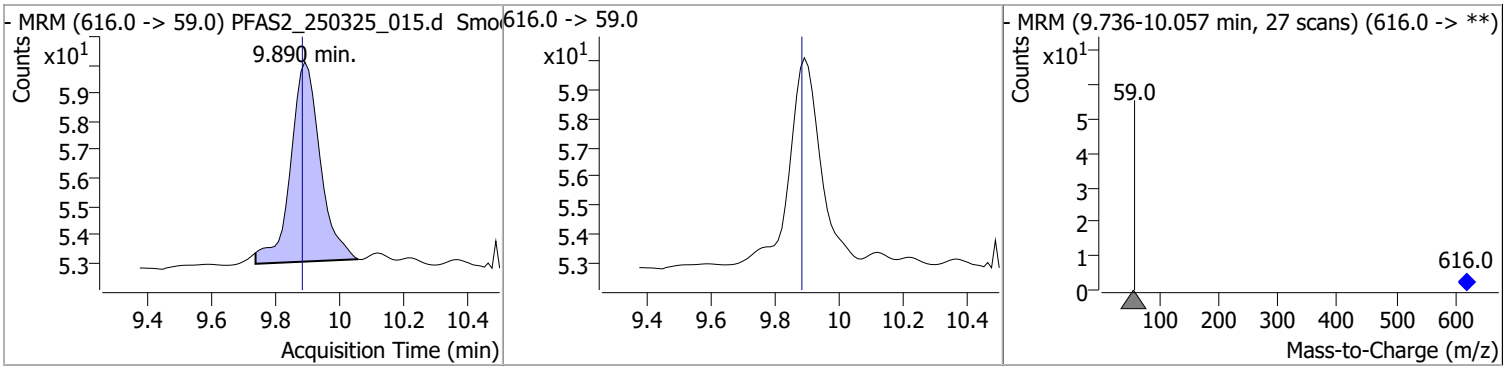
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3299	8.79	0.00	31427				



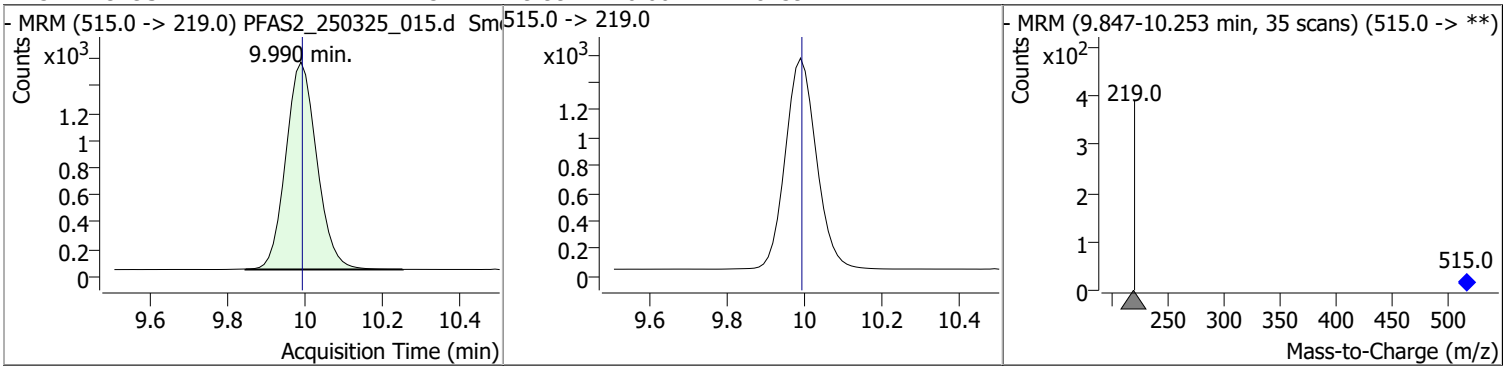
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.1789	9.86	0.01	55688				



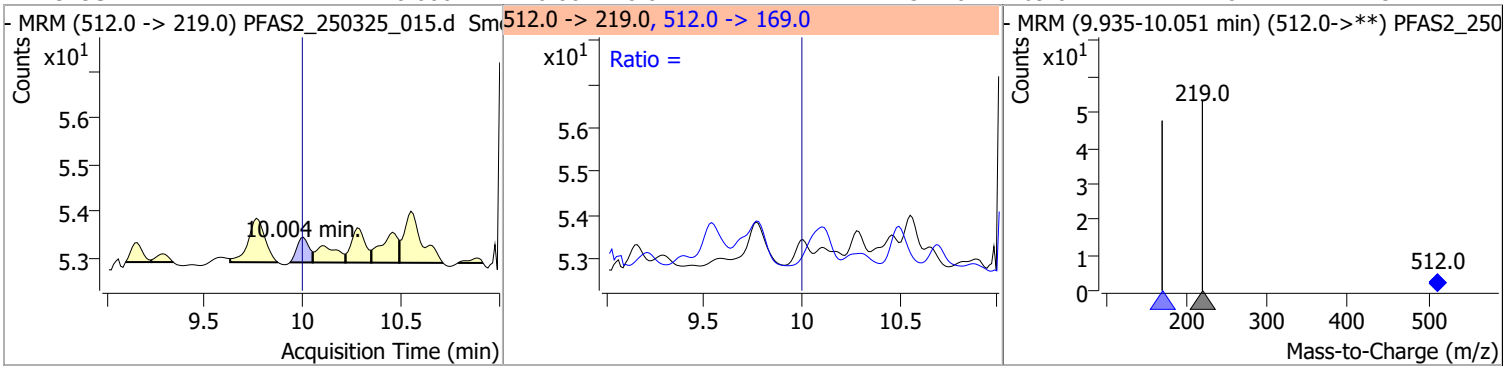
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	45				



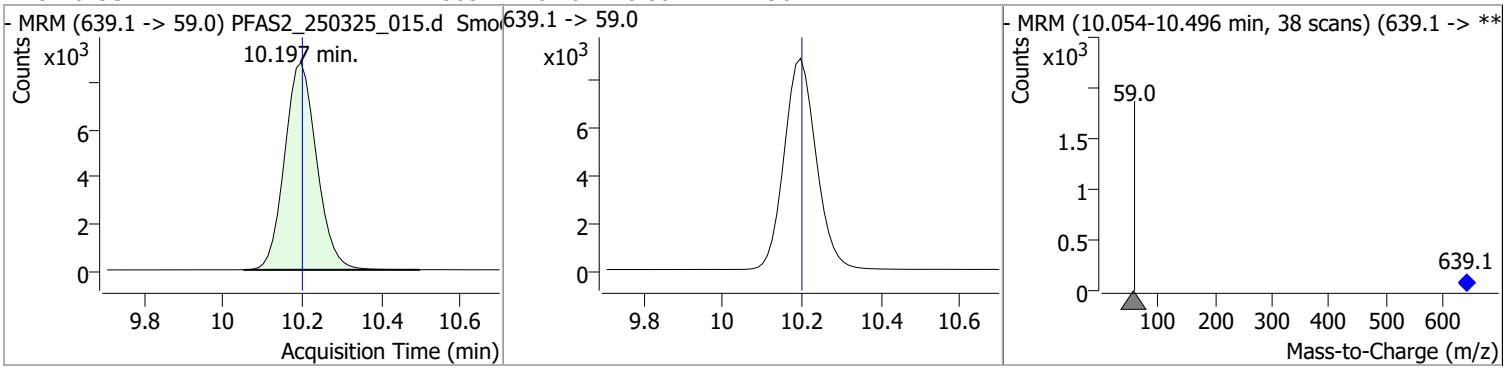
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2347	9.99	0.00	8459				



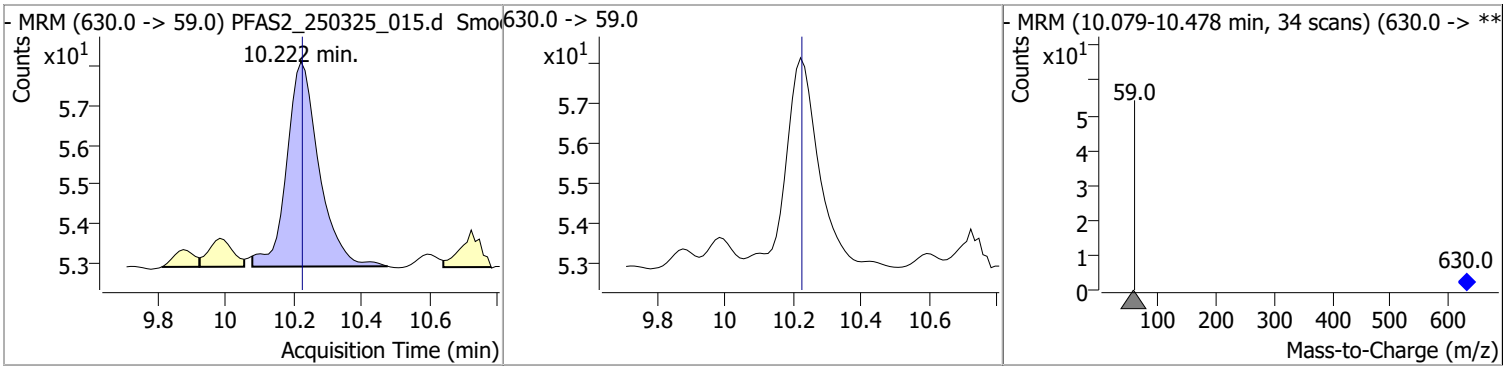
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0007	10.00	0.01	2	512.0 -> 169.0		81.4	151.2



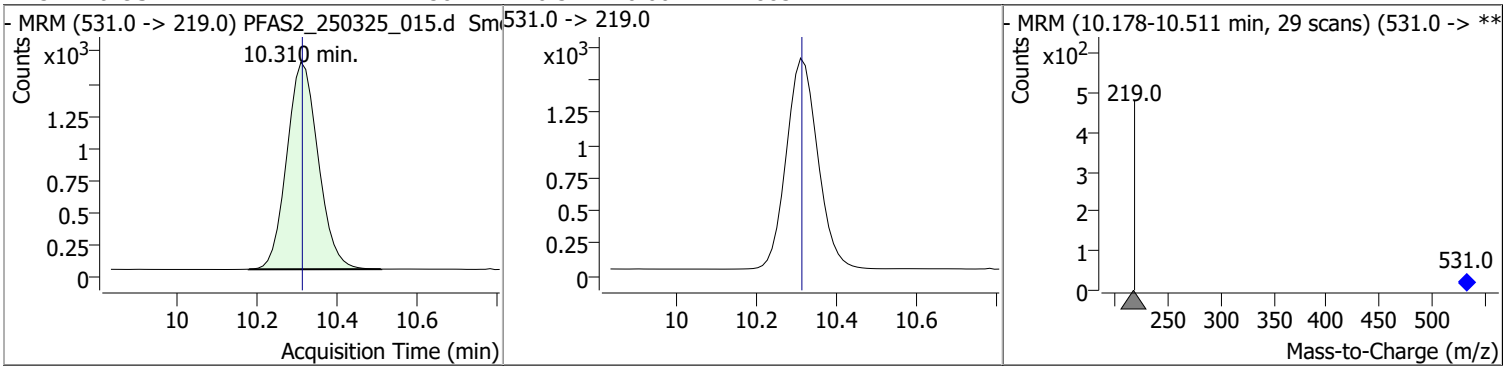
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.4565	10.20	0.00	49647				



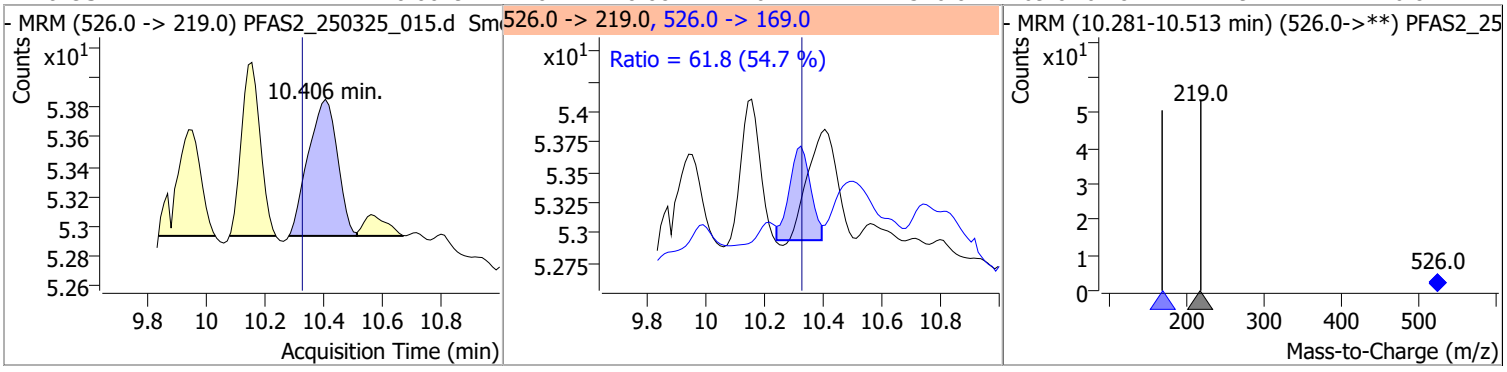
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0289	10.22	0.00	35				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1582	10.31	0.00	8834				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0019	10.41	0.08	6	526.0 -> 169.0	61.8	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

FD02-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-03	File ID:	PFAS2_250325_016.d
Sampled:	03/13/25 09:30	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:15
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	515.2188 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	4.10	0.47	3.11	6.21	J
2706-90-3	PFPeA	3.35	0.14	1.55	3.11	
307-24-4	PFHxA	2.48	0.13	0.78	1.55	
375-85-9	PFHpA	0.84	0.16	0.78	1.55	J
335-67-1	PFOA	0.67	0.12	0.78	1.55	J
375-95-1	PFNA		0.09	0.78	1.55	U
335-76-2	PFDA		0.13	0.78	1.55	U
2058-94-8	PFUnA		0.18	0.78	1.55	U
307-55-1	PFDoA		0.11	0.78	1.55	U
72629-94-8	PFTrDA		0.07	0.78	1.55	U
376-06-7	PFTeDA		0.12	0.78	1.55	U
375-73-5	PFBS	6.19	0.18	0.69	1.38	
2706-91-4	PFPeS	0.35	0.20	0.73	1.47	J
355-46-4	PFHxS	2.78	0.22	0.71	1.42	
375-92-8	PFHpS		0.40	0.74	1.48	U
1763-23-1	PFOS	0.85	0.21	0.90	1.81	J
68259-12-1	PFNS		0.19	0.75	1.49	U
335-77-3	PFDS		0.14	0.75	1.49	U
79780-39-5	PFDoS		0.08	0.75	1.50	U
757124-72-4	4:2FTS		0.40	2.91	5.82	U
27619-97-2	6:2FTS		2.69	2.95	5.90	U
39108-34-4	8:2FTS		0.59	2.98	5.96	U
754-91-6	PFOSA		0.10	0.78	1.55	U
31506-32-8	NMeFOSA		0.25	0.78	1.55	U
4151-50-2	NEtFOSA		0.30	0.78	1.55	U
2355-31-9	NMeFOSAA		0.43	0.78	1.55	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

FD02-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-03	File ID:	PFAS2_250325_016.d
Sampled:	03/13/25 09:30	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:15
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	515.2188 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.55	U
24448-09-7	NMeFOSE		0.98	7.76	15.5	U
1691-99-2	NEtFOSE		1.22	7.76	15.5	U
13252-13-6	HFPO-DA		0.40	1.55	3.11	U
919005-14-4	ADONA		0.15	1.47	2.93	U
756426-58-1	9CL-PF3ONS		0.17	1.45	2.90	U
763051-92-9	11CL-PF3OUdS		0.30	1.47	2.93	U
356-02-5	3:3FTCA		0.64	3.11	6.21	U
914637-49-3	5:3FTCA		3.55	15.5	31.1	U
812-70-4	7:3FTCA		2.97	15.5	31.1	U
113507-82-7	PFEESA		0.16	1.38	2.77	U
377-73-1	PFMPA		0.11	1.55	3.11	U
863090-89-5	PFMBA		0.12	1.55	3.11	U
151772-58-6	NFDHA		0.44	1.55	3.11	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_016.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:15:10 PM
Sample Name	O25C0608-03	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

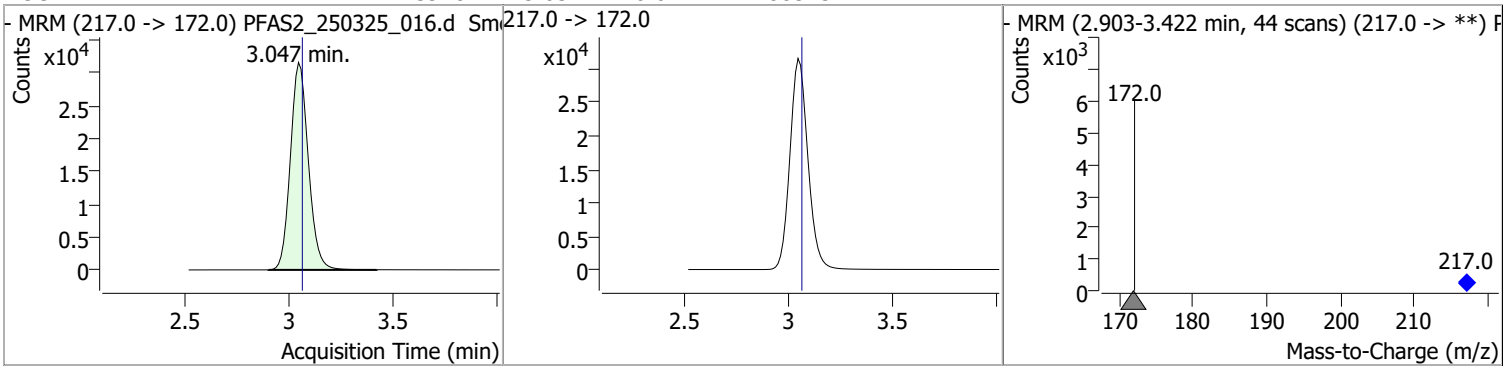
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112137	5.0000	µg/L		-18.054
13C2-PFHxA	4.890	315.0 -> 270.0	125296	2.5000	µg/L		-18.334
18O2-PFHxS	5.943	403.0 -> 84.0	27284	2.5000	µg/L		-7.917
13C4-PFOA	5.823	417.0 -> 172.0	13301	2.5000	µg/L		-13.896
13C5-PFNA	6.214	468.0 -> 423.0	63156	1.2500	µg/L		-11.263
13C2-PFDA	6.592	515.0 -> 470.0	59807	1.2500	µg/L		-10.571
13C4-PFOS	6.759	503.0 -> 80.0	24227	2.5000	µg/L		-2.737
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	188515	10.0000	µg/L		-39.351
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 73.98%			
13C5-PFPeA	4.222	268.0 -> 223.0	175219	5.0000	µg/L		-15.320
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.70%			
13C5-PFPeA	4.222	268.0 -> 223.0	175219	5.0000	µg/L		-15.320
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.70%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24832	5.0000	µg/L	#	-1.712
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.17%			
13C5-PFHxA	4.889	318.0 -> 273.0	134474	2.5000	µg/L		-20.356
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.50%			
13C5-PFHxA	4.889	318.0 -> 273.0	134474	2.5000	µg/L		-20.356
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.50%			
13C3-PFBS	4.929	302.0 -> 80.0	51667	2.5000	µg/L		-14.915
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154249	10.0000	µg/L		-11.742
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 108.07%			
13C4-PFHpA	5.385	367.0 -> 322.0	166145	2.5000	µg/L		-12.040
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.74%			
13C3-PFHxS	5.944	402.0 -> 80.0	31143	2.5000	µg/L		-10.890
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13469	5.0000	µg/L	#	-8.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.15%			
13C8-PFOA	5.823	421.0 -> 376.0	147678	2.5000	µg/L		-14.508
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.31%			
13C3-PFHxS	5.944	402.0 -> 80.0	31143	2.5000	µg/L		-10.890
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C9-PFNA	6.213	472.0 -> 427.0	62830	1.2500	µg/L		-10.833
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.44%			
13C8-PFOS	6.759	507.0 -> 80.0	22976	2.5000	µg/L		-9.126
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.47%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10061	5.0000	µg/L	#	-15.069
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.11%			
13C6-PFDA	6.591	519.0 -> 474.0	58259	1.2500	µg/L		-14.275
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.77%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47422	5.0000	µg/L		-15.042
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.25%			
13C8-PFOS	6.759	507.0 -> 80.0	22976	2.5000	µg/L		-9.126

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.47%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36568	5.0000	µg/L		-13.283
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.11%			
13C7-PFUnDA	6.966	570.0 -> 525.0	47498	1.2500	µg/L		-11.390
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	32204	1.2500	µg/L		-27.001
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.50%			
13C2-PFDoDA	7.344	615.0 -> 570.0	34512	1.2500	µg/L		-13.602
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.62%			
13C2-PFTDA	8.068	715.0 -> 670.0	29896	1.2500	µg/L		-38.085
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 69.02%			
13C8-PFOSA	8.792	506.0 -> 78.0	31648	2.5000	µg/L		-14.374
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.86%			
13C8-PFOSA	8.792	506.0 -> 78.0	31648	2.5000	µg/L		-14.374
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.86%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57281	25.0000	µg/L		-54.410
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 46.91%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8817	2.5000	µg/L		-14.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.22%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49517	25.0000	µg/L		-22.031
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.13%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9137	2.5000	µg/L		-18.714
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.58%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	5643	0.4221	µg/L		100
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.634	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	10395	0.3448	µg/L	#	100
PFMBA	4.441	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	12321	0.2560	µg/L		99
PFBS	4.930	298.9 -> 80.0	13665	0.6374	µg/L		93
HFPO-DA	5.110	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	4229	0.0870	µg/L		96
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	602	0.0358	µg/L		91
DONA	5.432	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	1908	0.0689	µg/L	#m	82
PFHxS	5.945	398.9 -> 80.0	3473	0.2867	µg/L		100
PFNA	6.226	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.620	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.719	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	526	0.0880	µg/L	#	65
N-EtFOSAA	6.965	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.065	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	6.921	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	

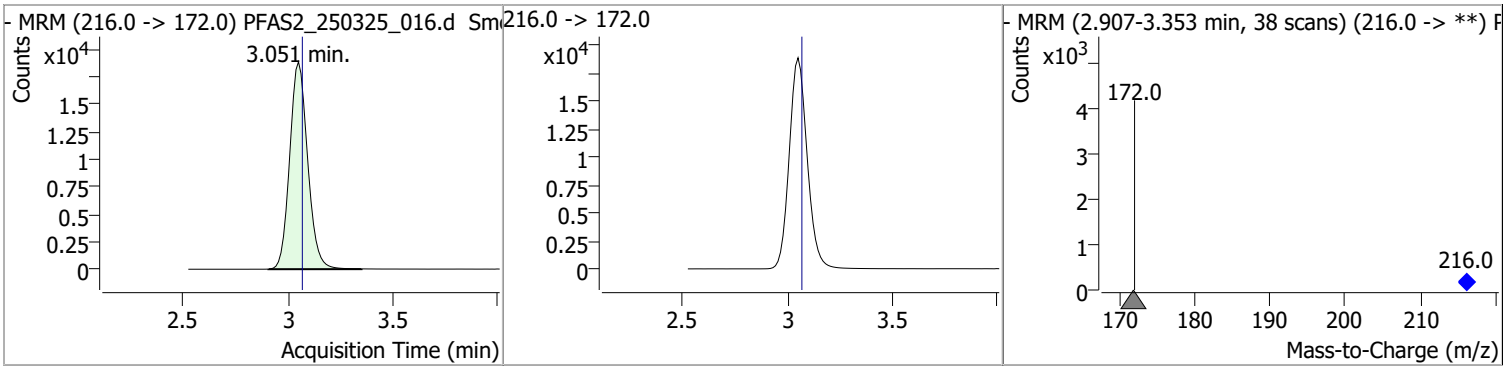
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	0.000		0	N.D.			
11Cl-PF3OUdS	7.823	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.773	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.264	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.866	616.0 -> 59.0	18	0.0000	µg/L		100
N-MeFOSA	9.944	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	19	0.0200	µg/L		100
N-EtFOSA	10.263	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

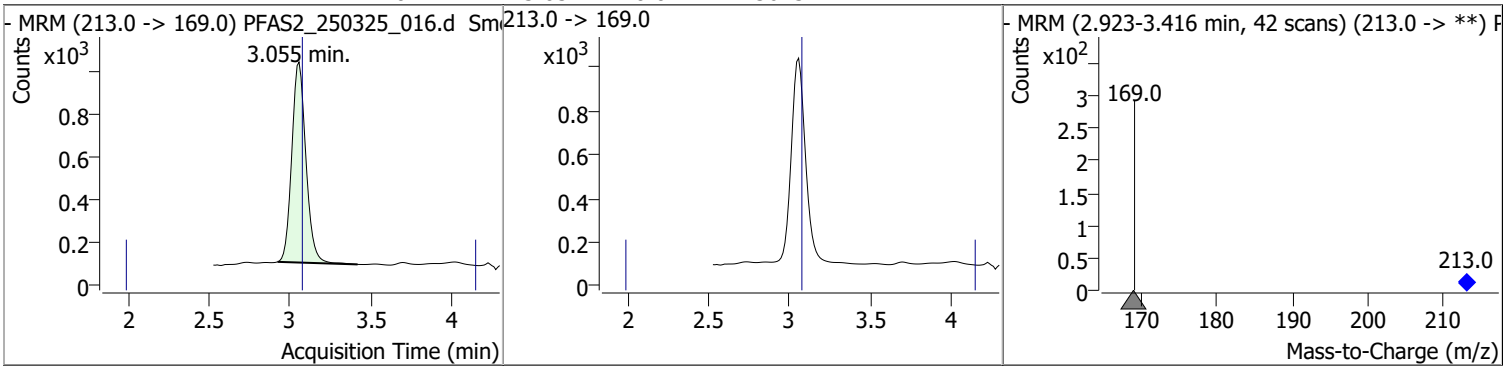
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.3978	3.05	-0.01	188515				



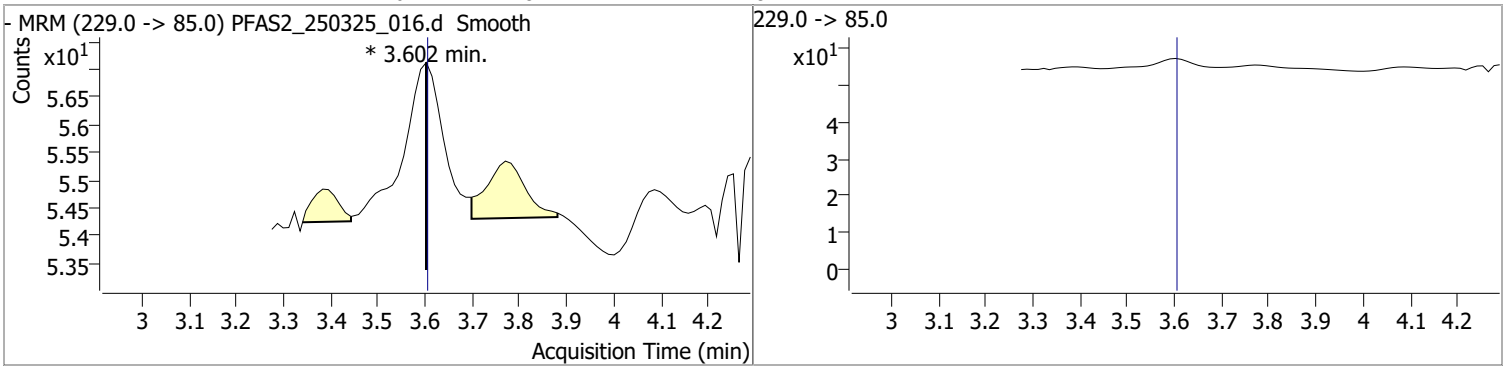
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112137				



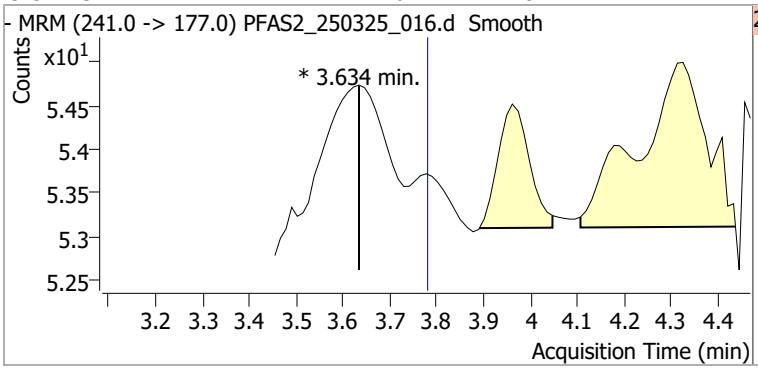
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4221	3.05	-0.01	5643				

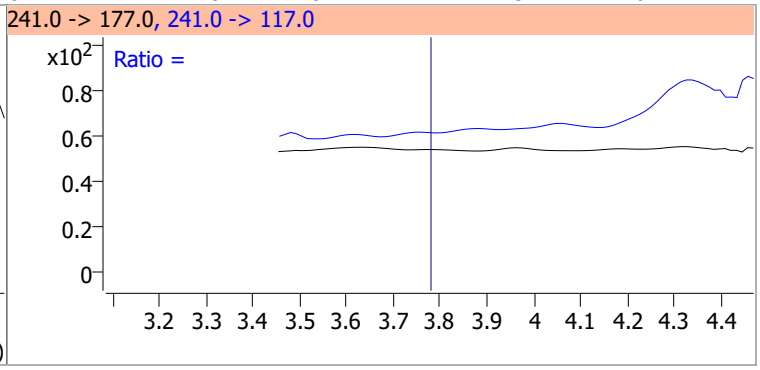


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

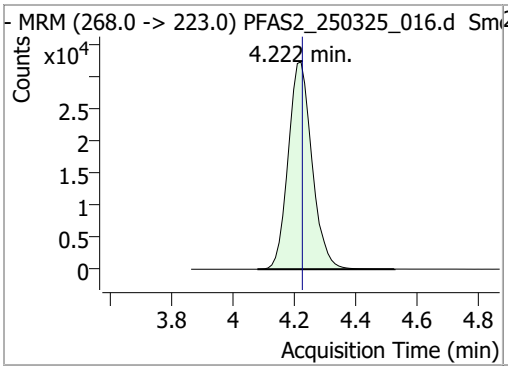


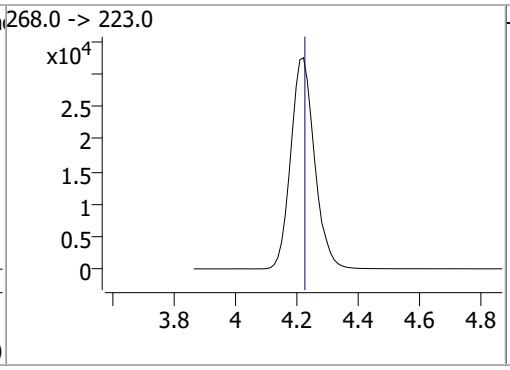
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

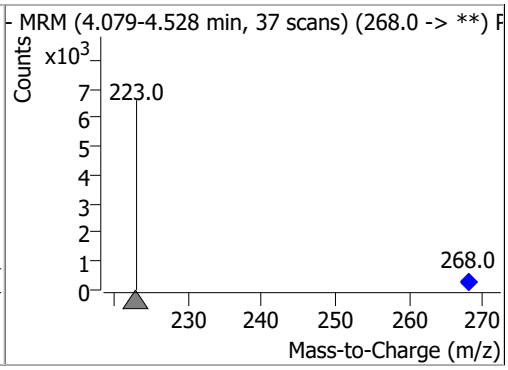




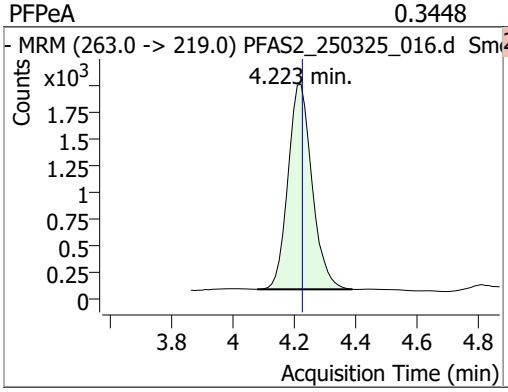
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1848	4.22	0.00	175219				

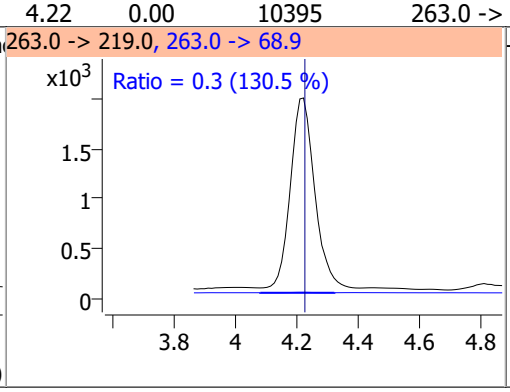


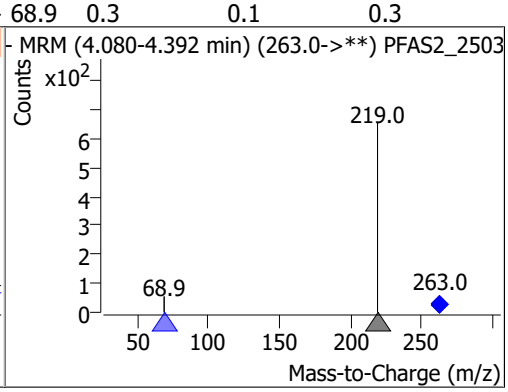




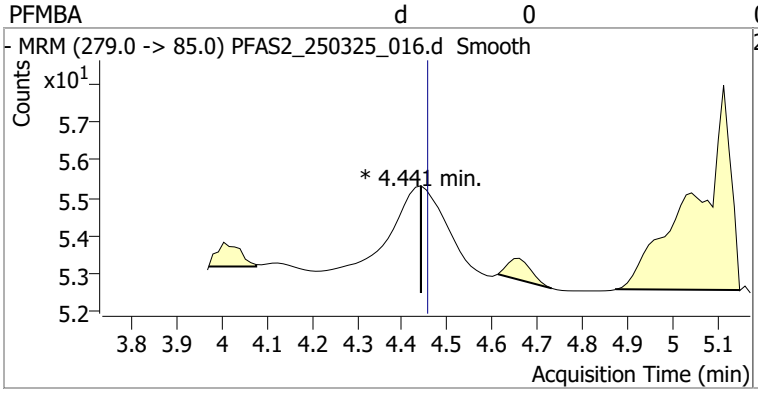
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.3448	4.22	0.00	10395	263.0 -> 68.9	0.3	0.1	0.3

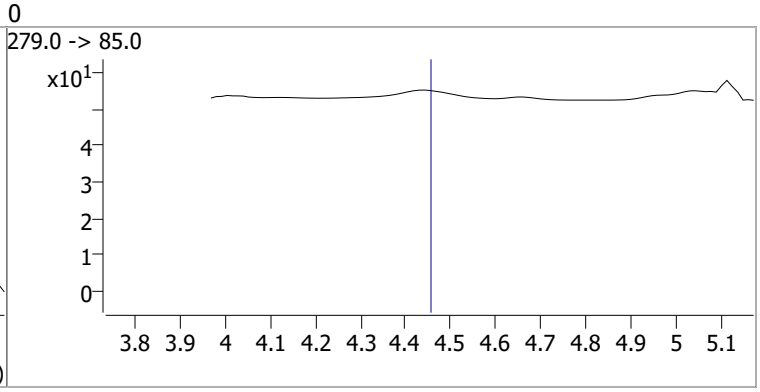




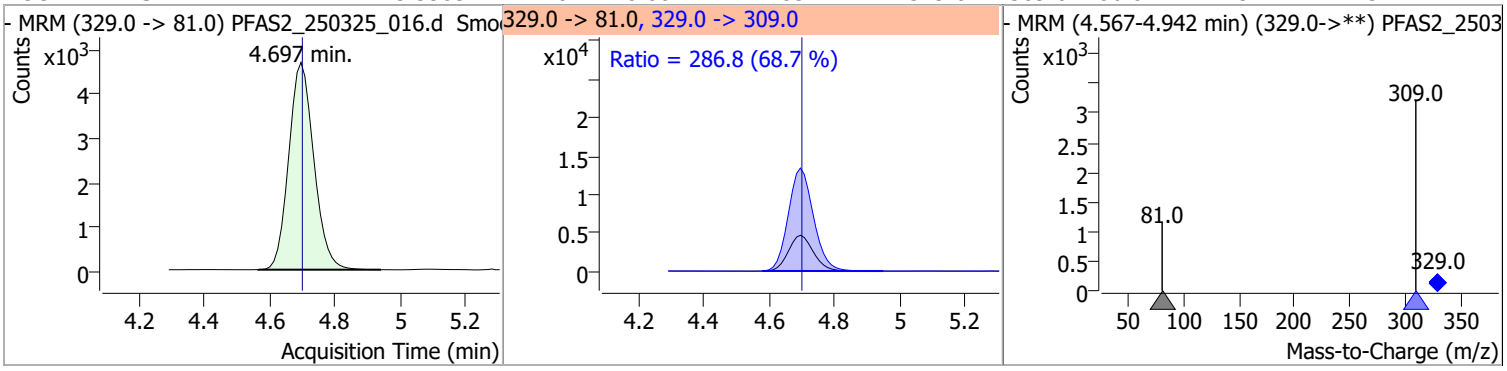


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

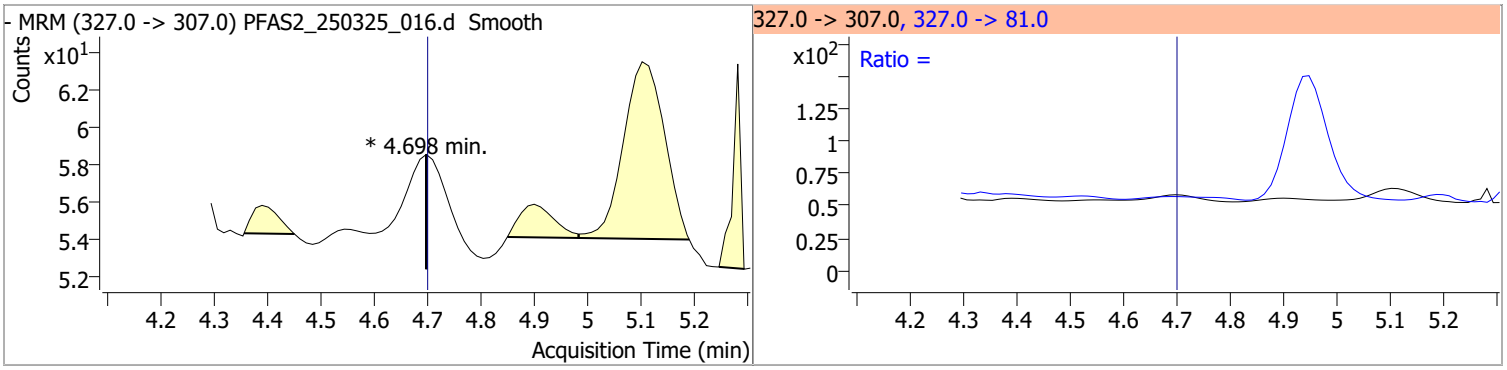




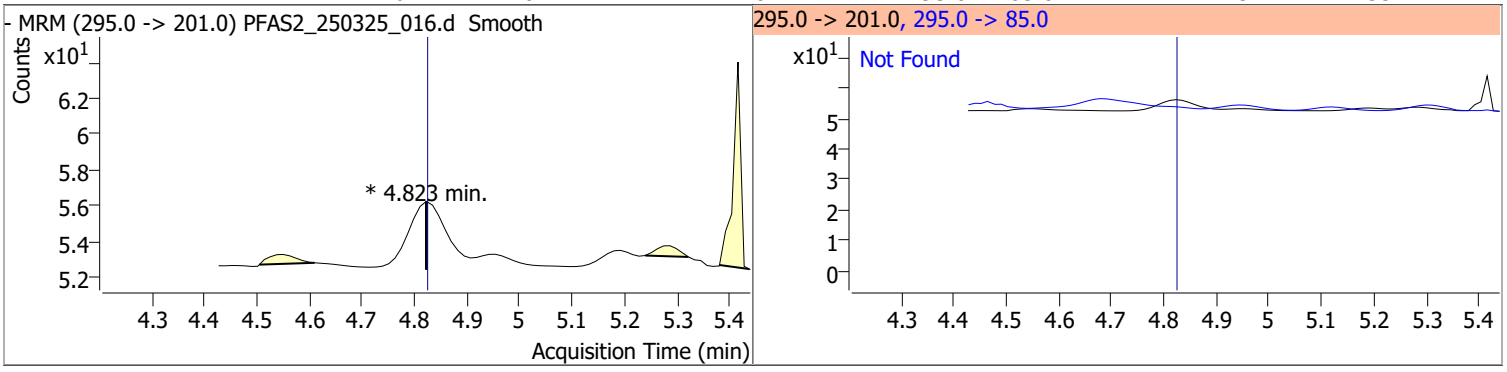
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3585	4.70	0.00	24832	329.0 -> 309.0	286.8	292.1	542.4



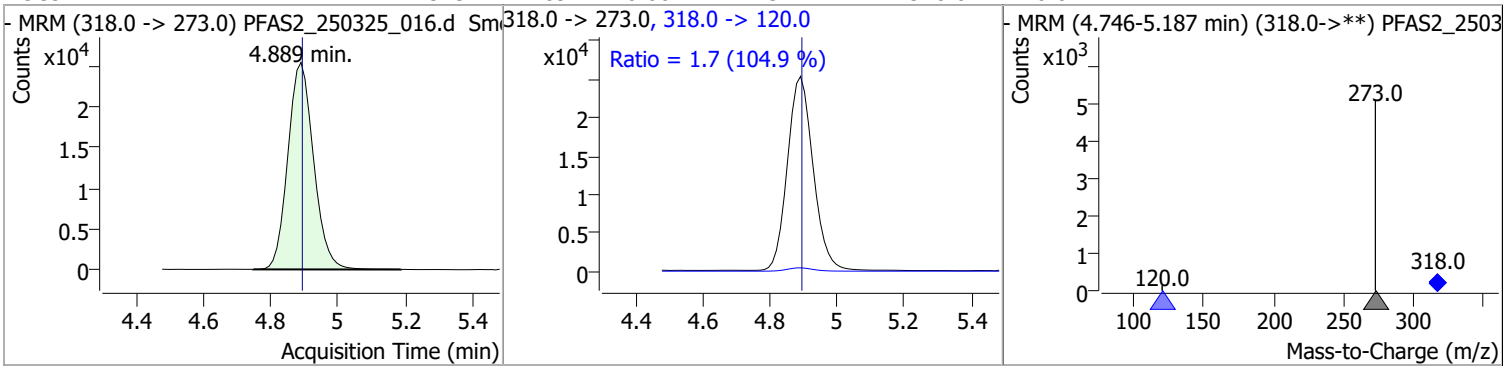
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



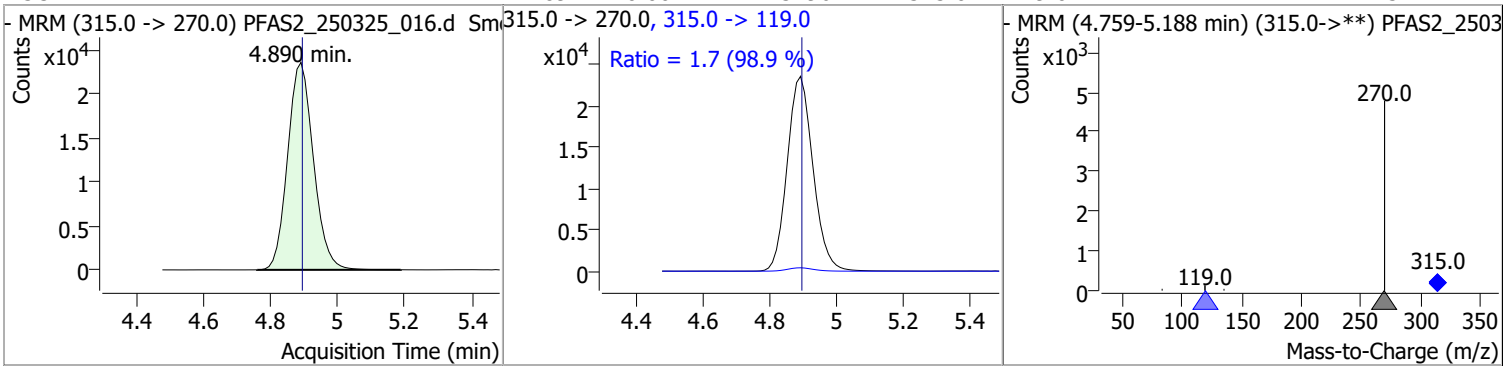
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



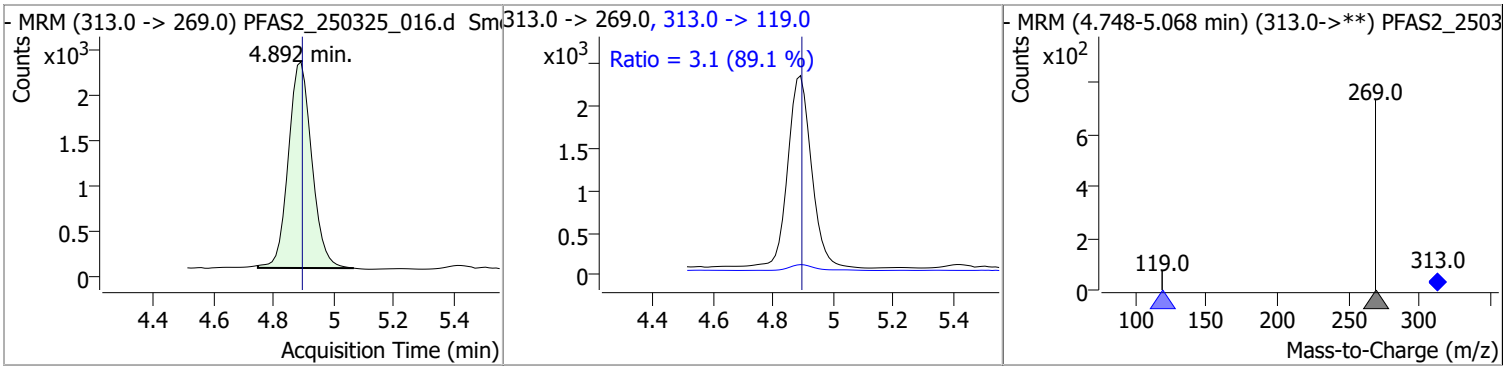
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4375	4.89	0.00	134474	318.0 -> 120.0	1.7	1.1	2.1



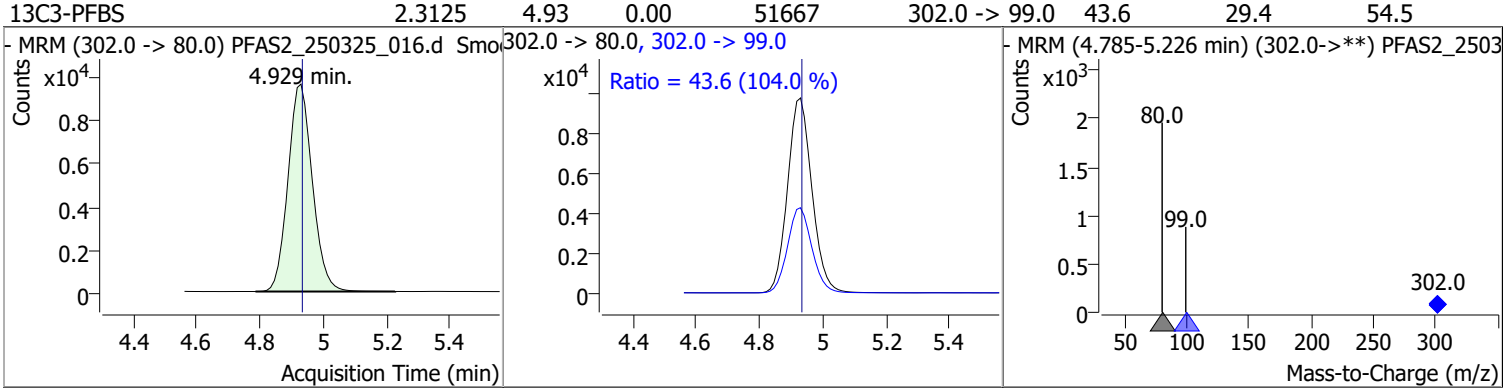
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	125296	315.0 -> 119.0	1.7	1.2	2.3



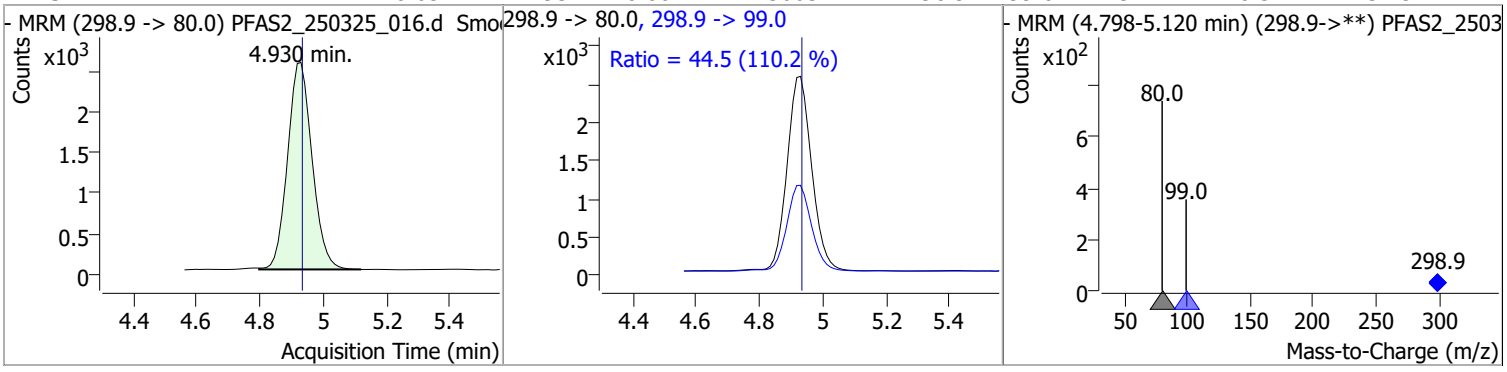
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2560	4.89	0.00	12321	313.0 -> 119.0	3.1	2.4	4.5



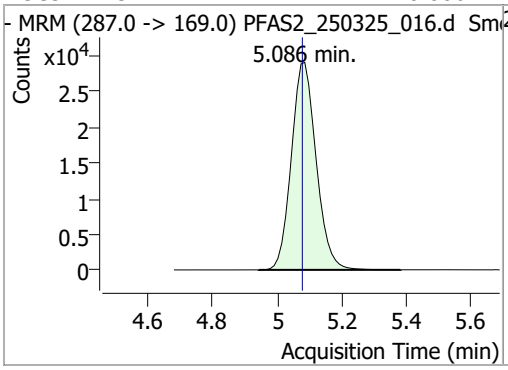
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3125	4.93	0.00	51667	302.0 -> 99.0	43.6	29.4	54.5

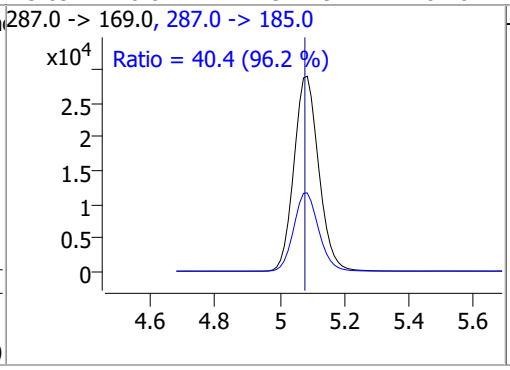


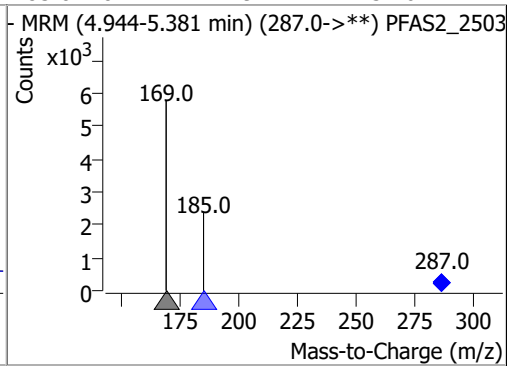
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6374	4.93	0.00	13665	298.9 -> 99.0	44.5	28.3	52.5



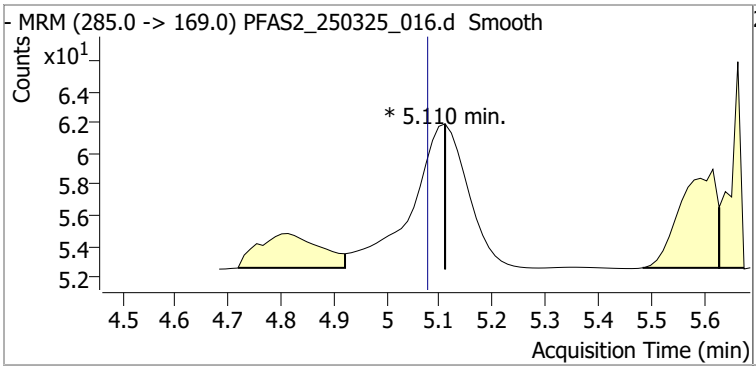
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.8067	5.09	0.01	154249	287.0 -> 185.0	40.4	29.4	54.6

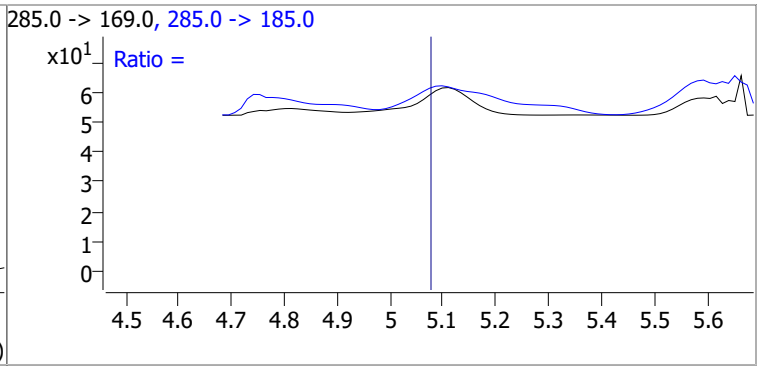




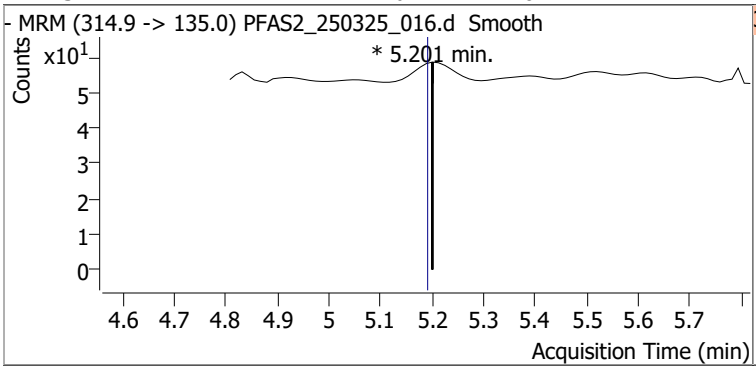


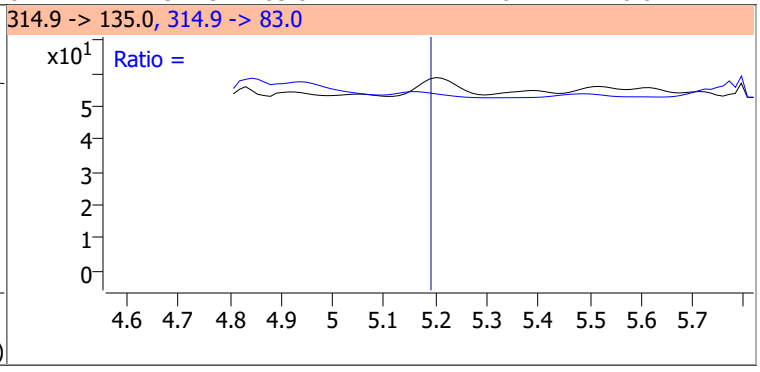
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



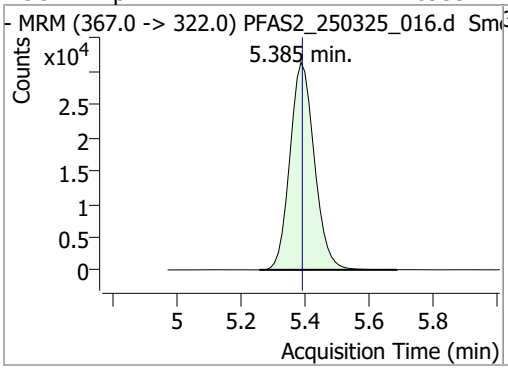


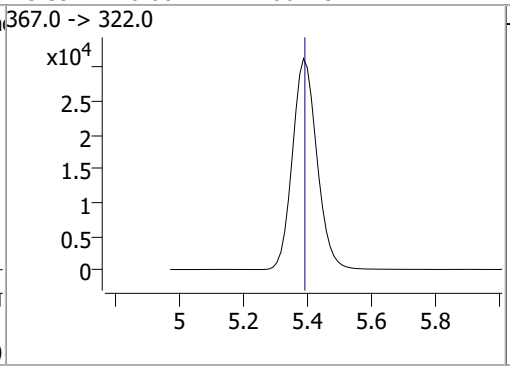
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

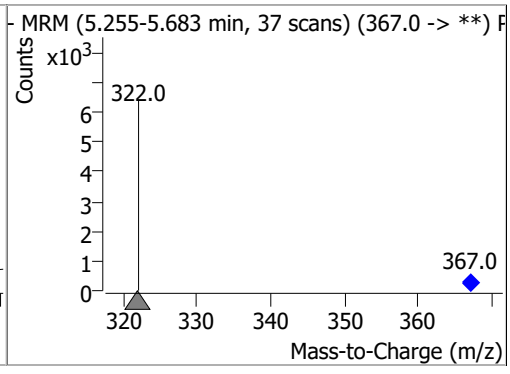




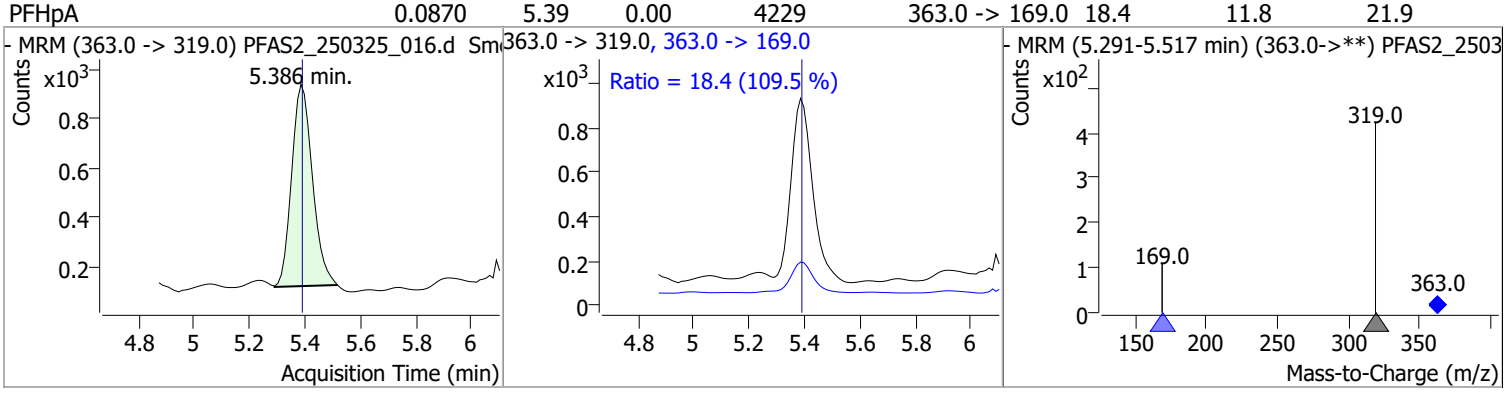
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6935	5.39	0.00	166145				



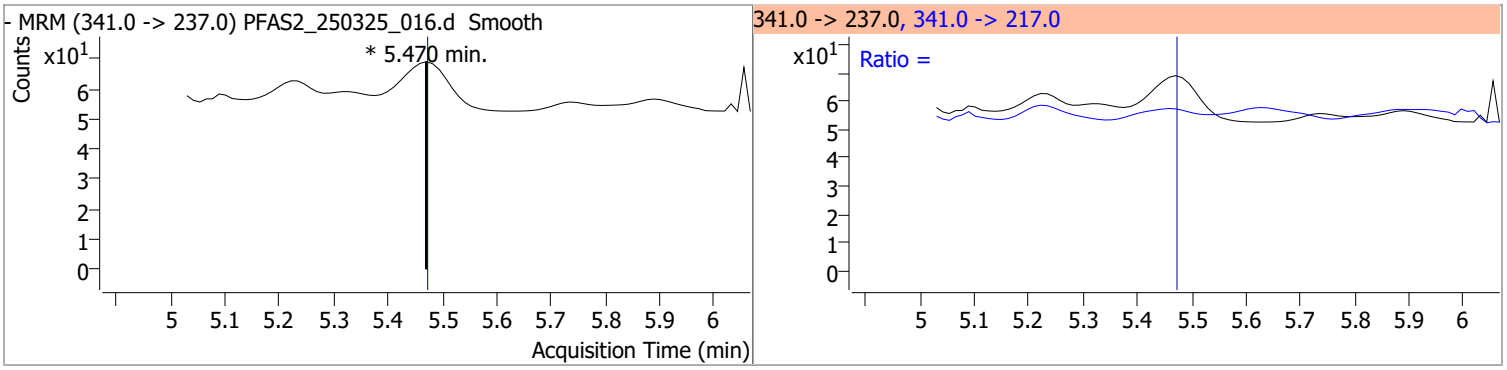




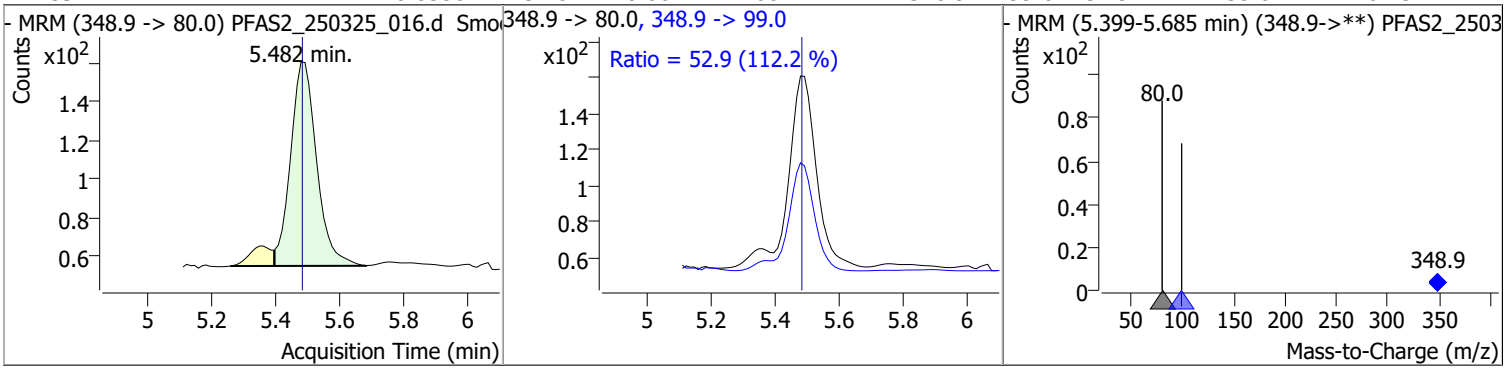
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0870	5.39	0.00	4229	363.0 -> 169.0	18.4	11.8	21.9



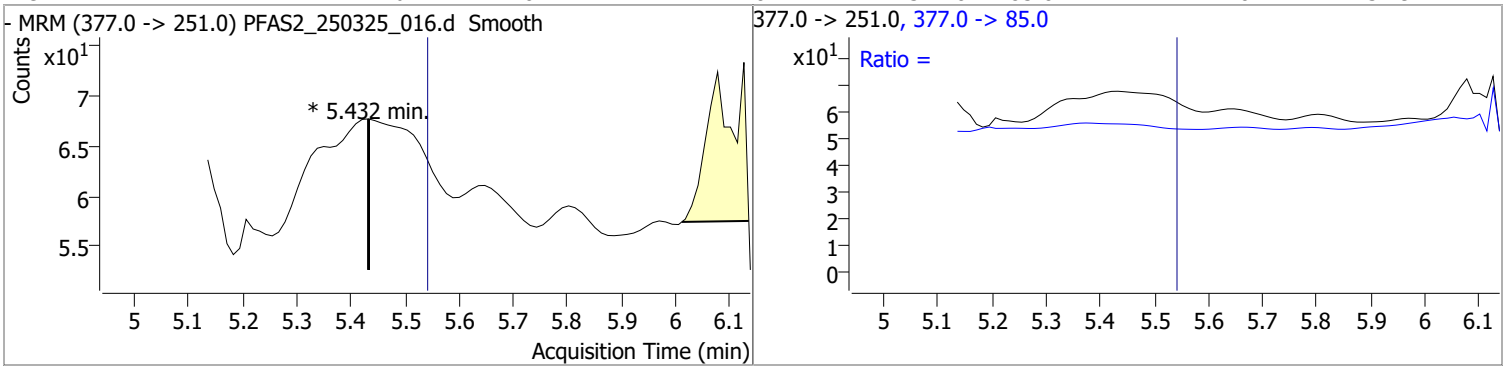
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



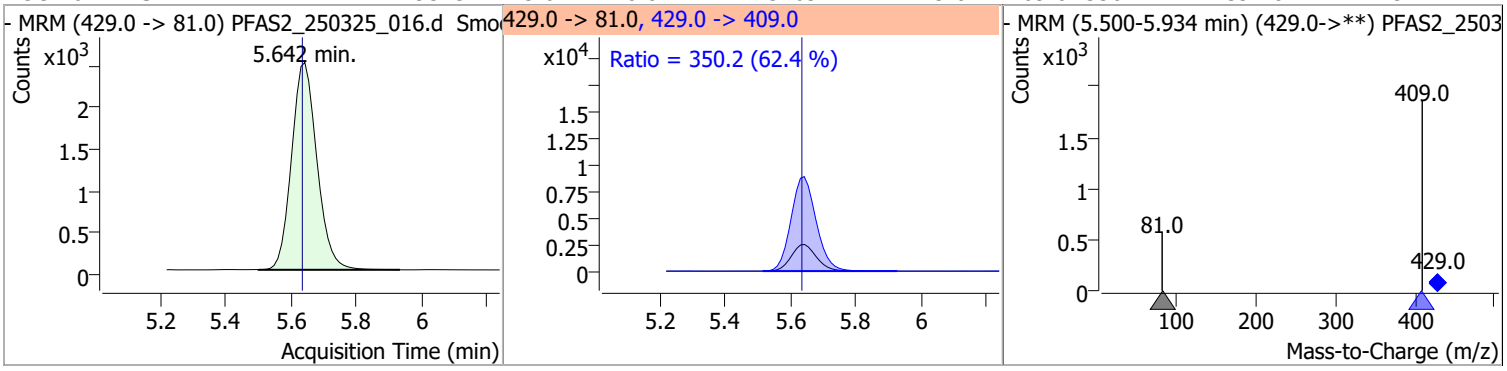
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0358	5.48	0.00	602	348.9 -> 99.0	52.9	33.0	61.3



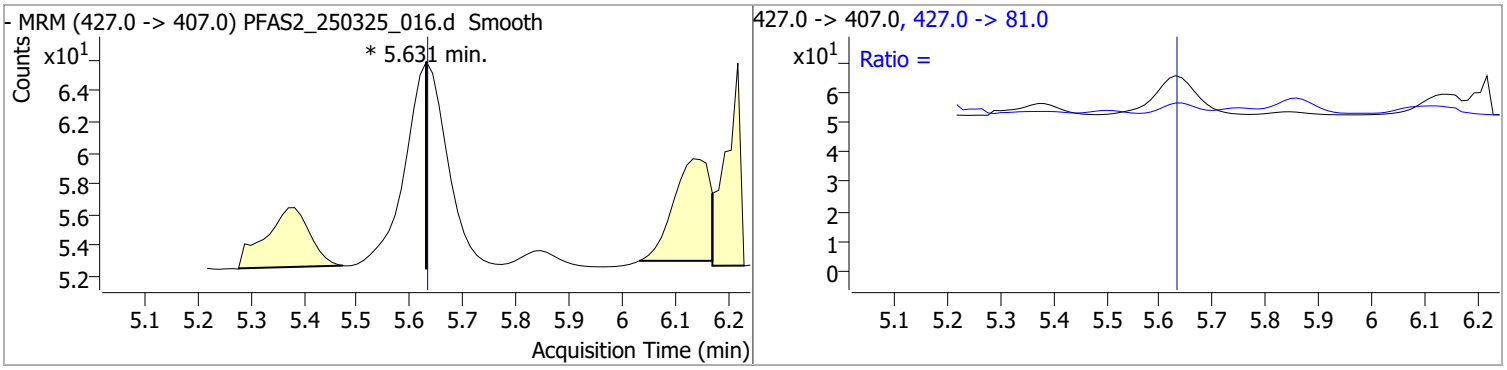
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



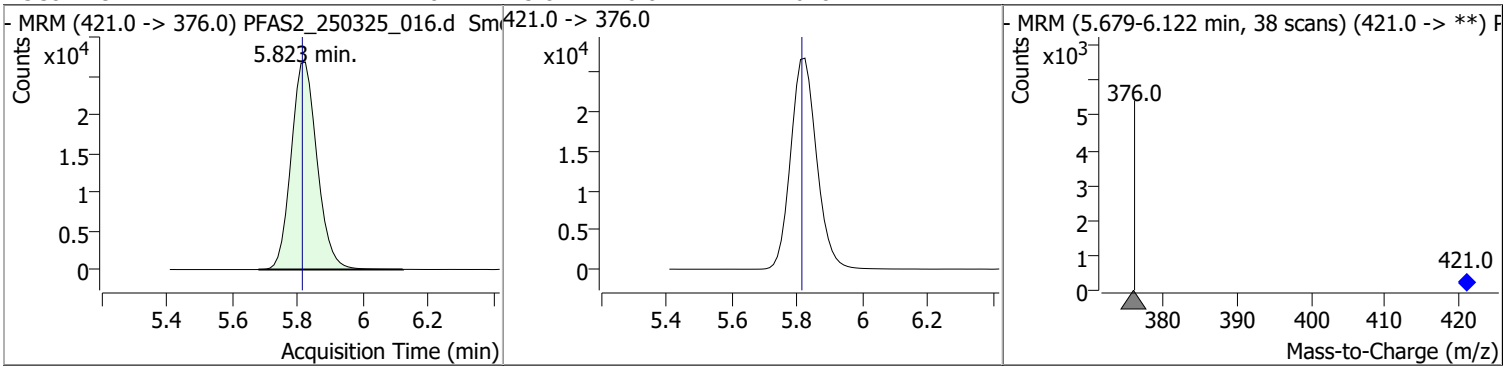
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9575	5.64	0.01	13469	429.0 -> 409.0	350.2	392.8	729.4



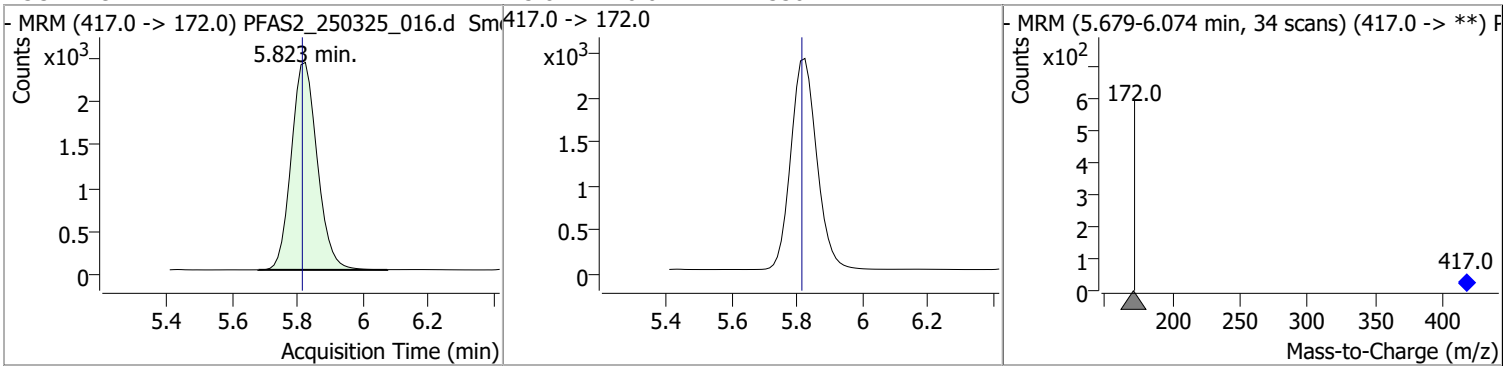
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



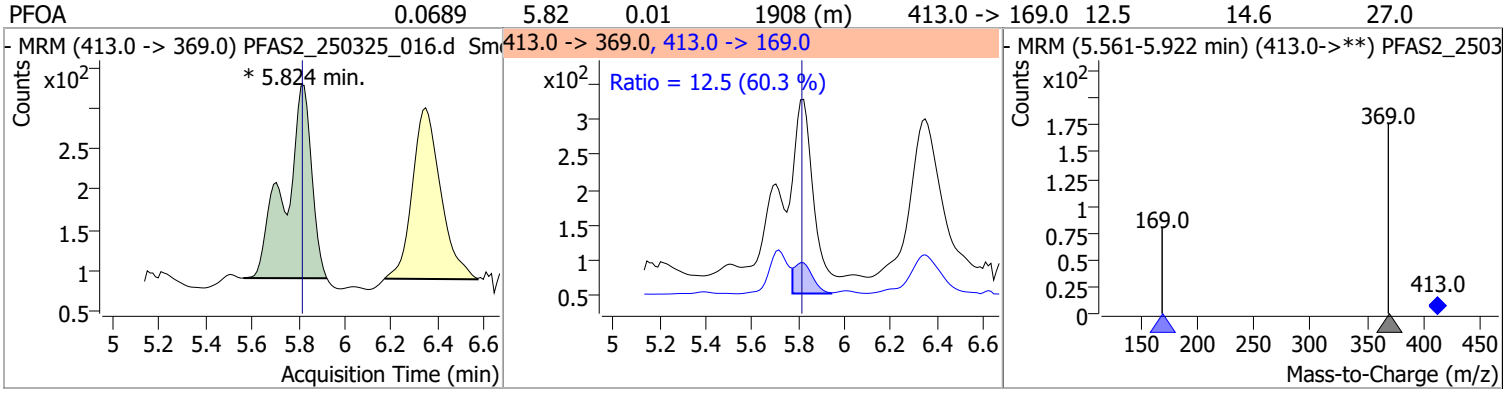
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4827	5.82	0.01	147678				



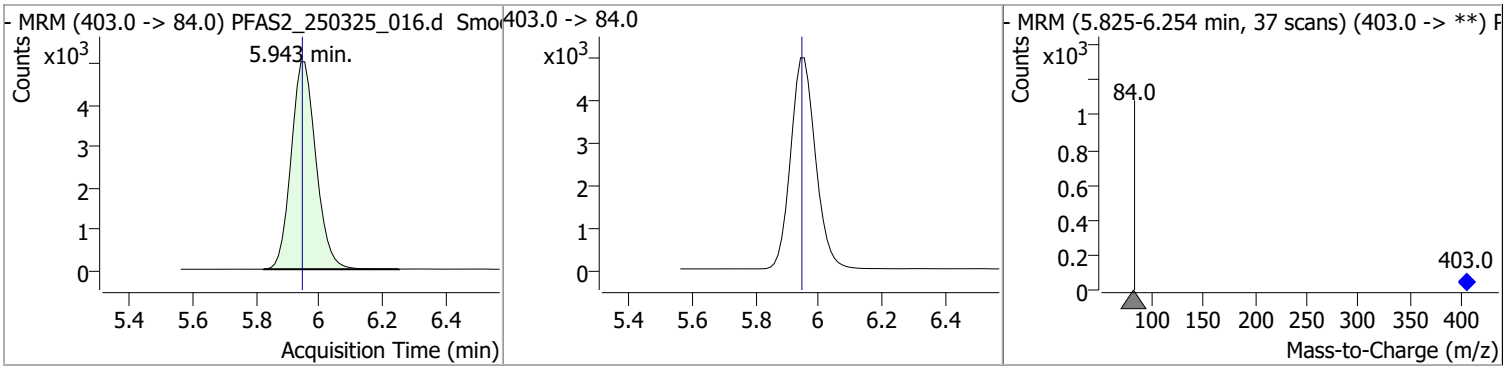
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13301				



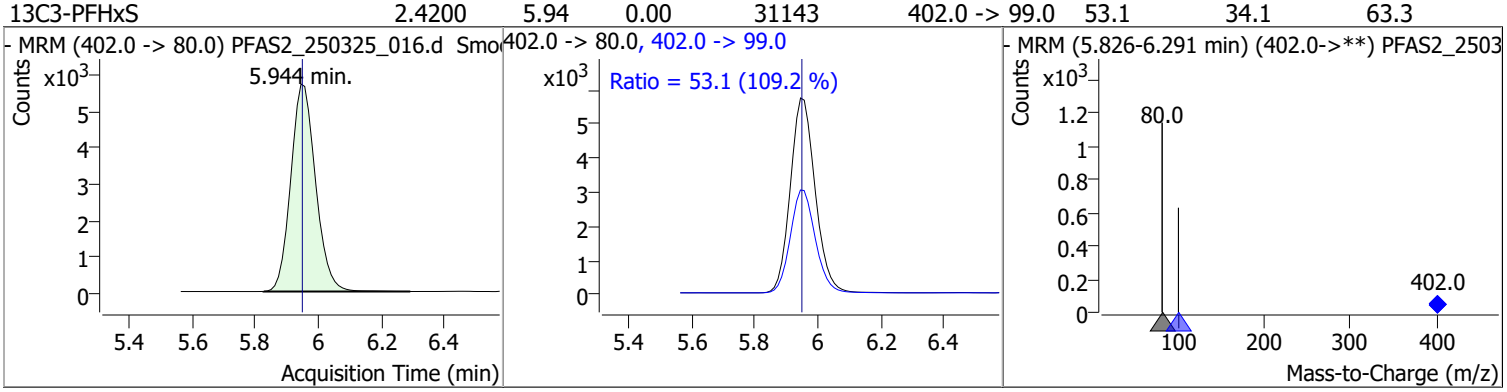
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0689	5.82	0.01	1908 (m)	413.0 -> 169.0	12.5	14.6	27.0



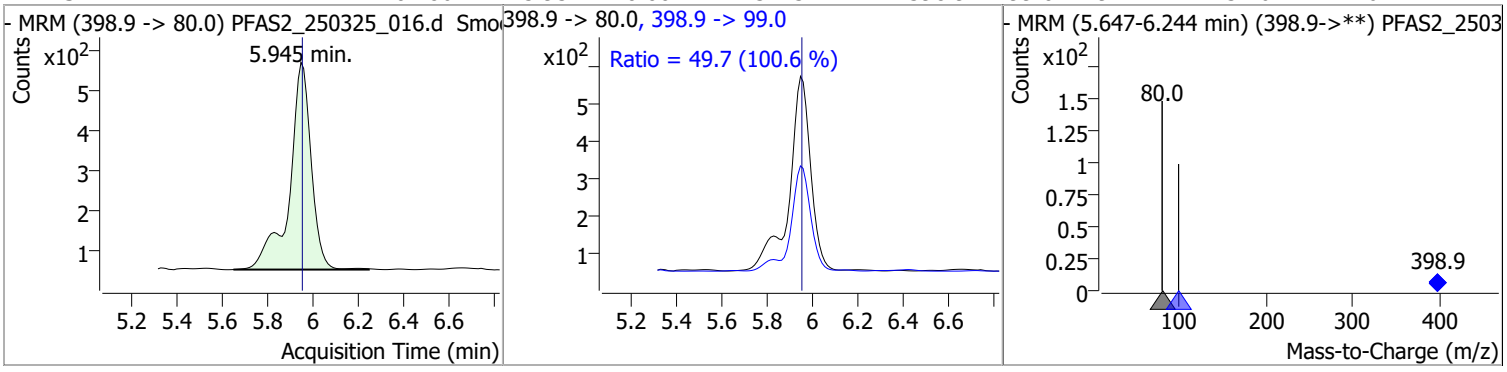
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	27284				



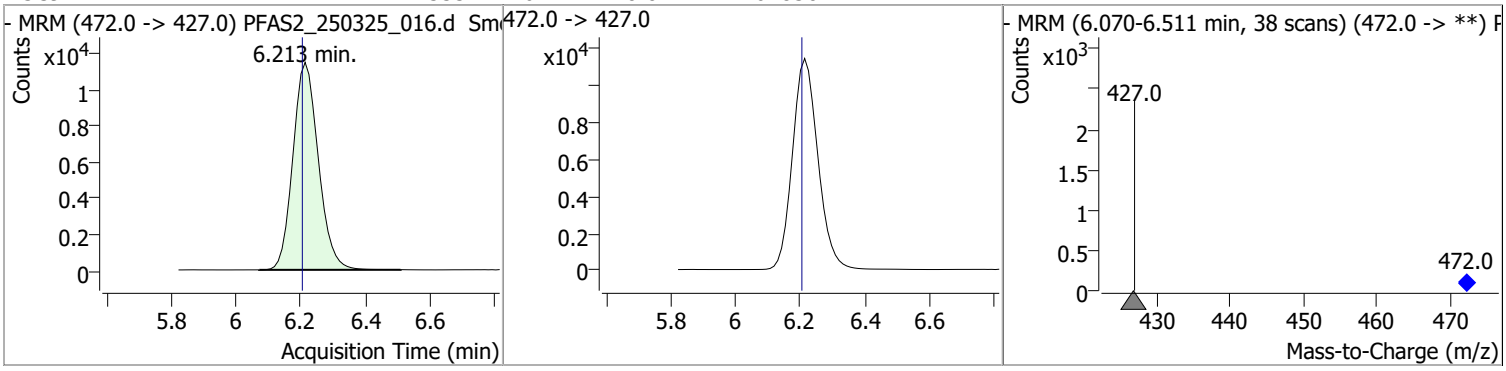
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4200	5.94	0.00	31143	402.0 -> 99.0	53.1	34.1	63.3



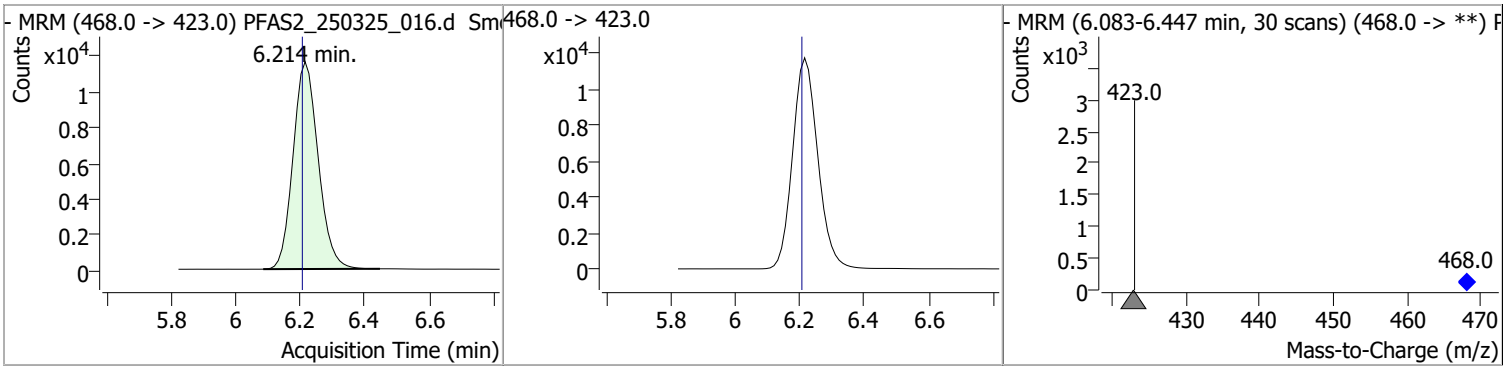
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2867	5.95	0.00	3473	398.9 -> 99.0	49.7	34.6	64.2



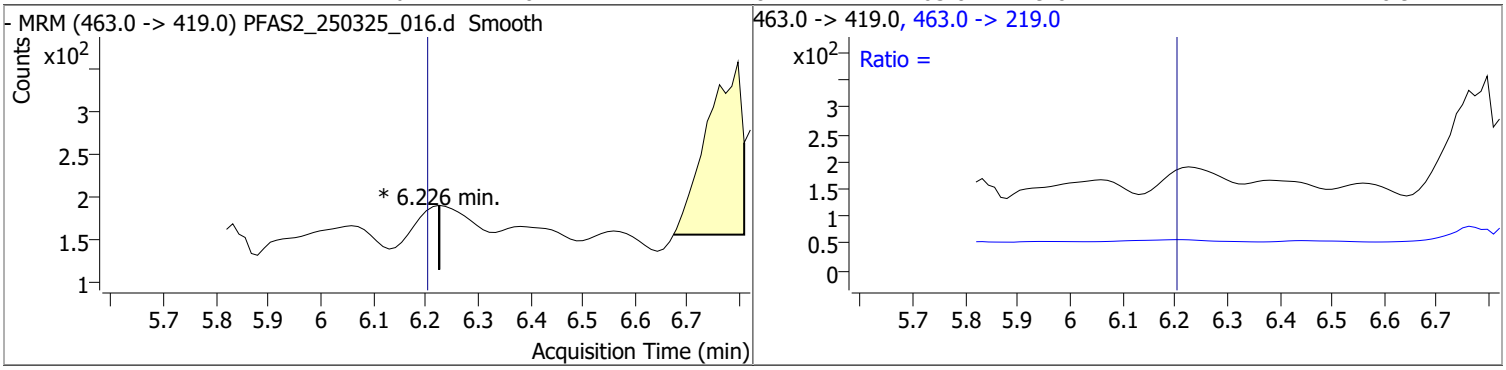
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2555	6.21	0.01	62830				



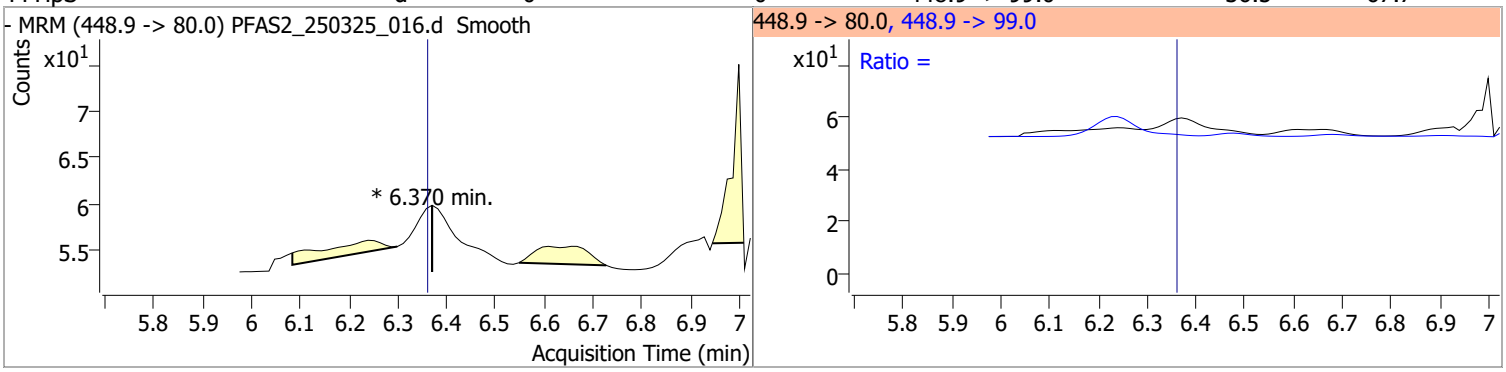
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	63156				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

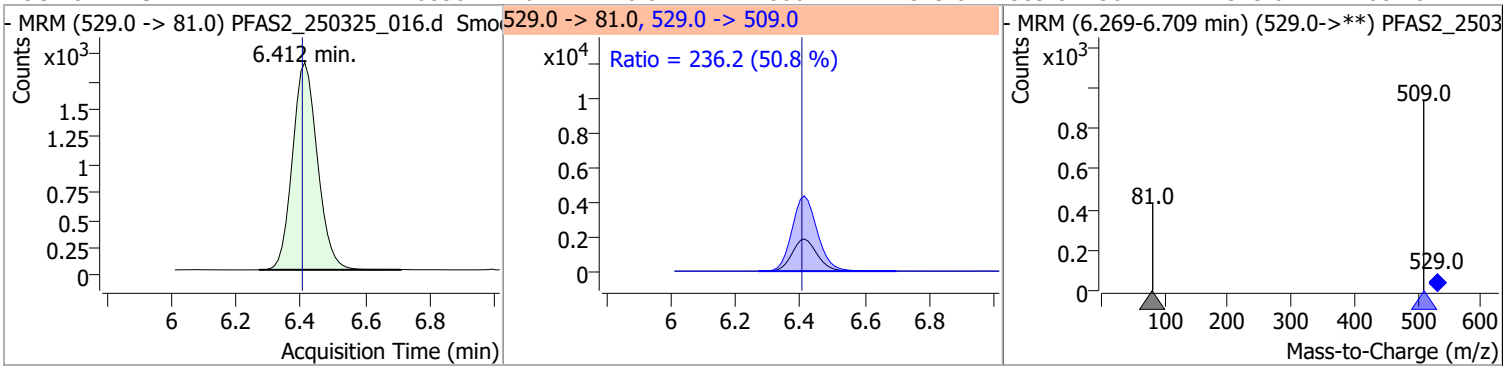


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

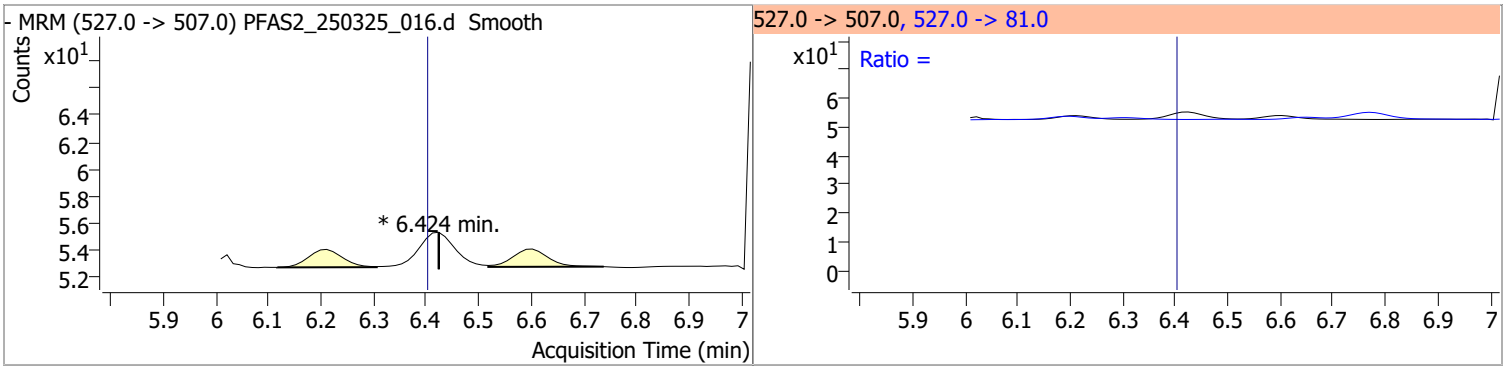


Quantitation Results Report (QT Reviewed)

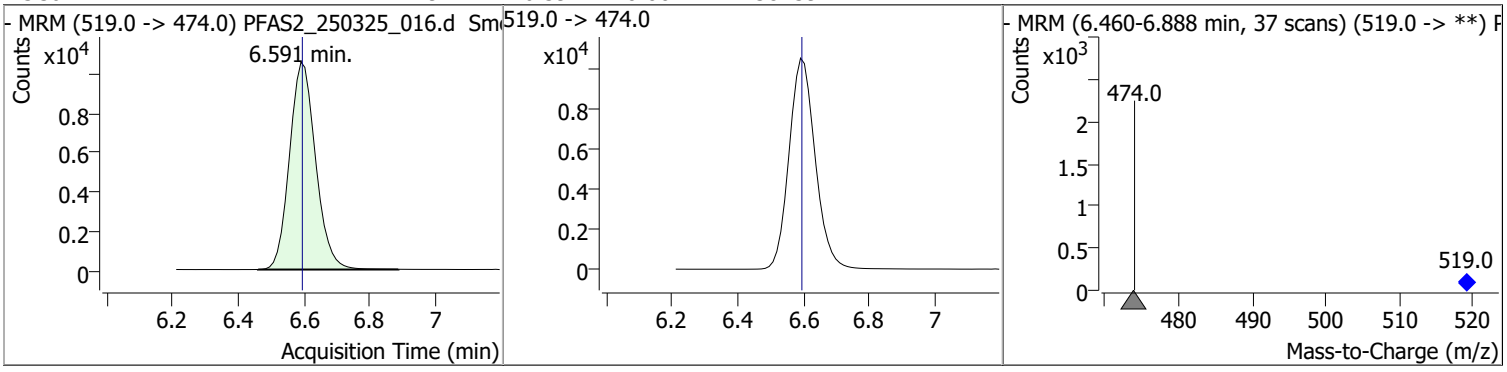
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.6056	6.41	0.01	10061	529.0 -> 509.0	236.2	325.6	604.6



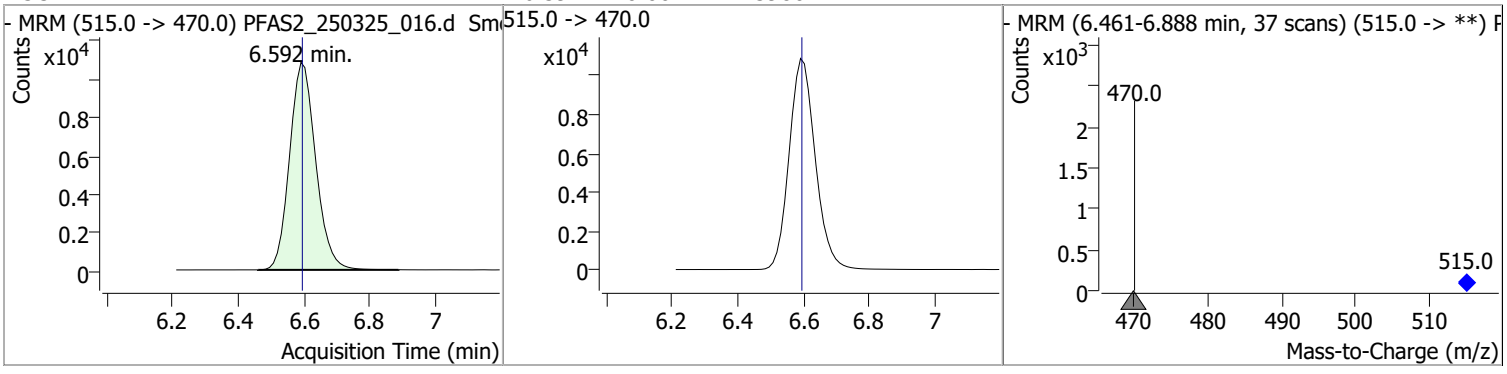
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



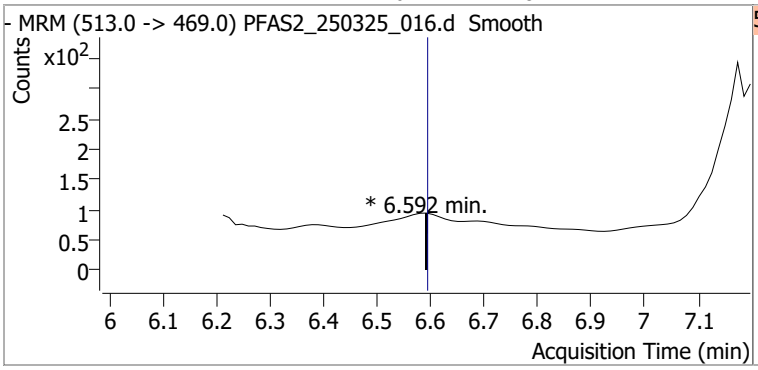
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1971	6.59	0.00	58259				

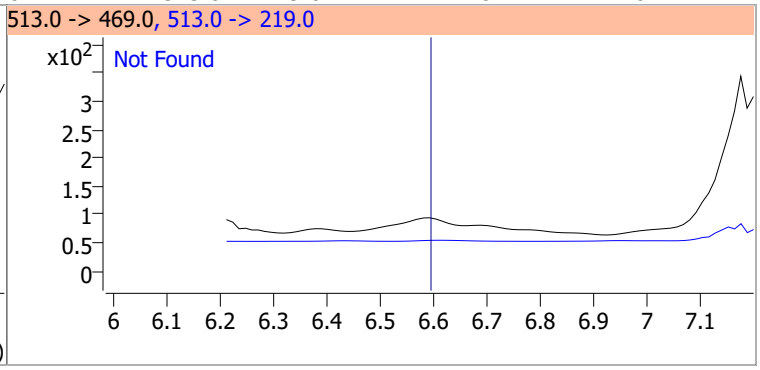


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59807				

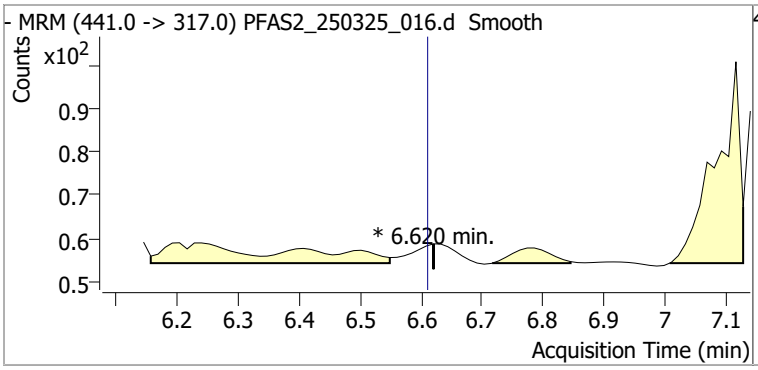


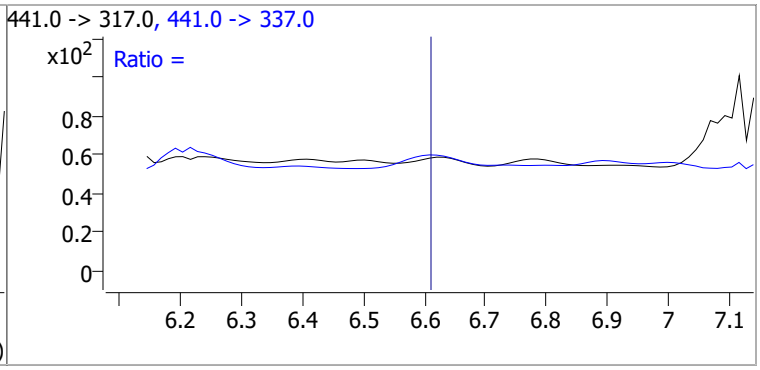
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



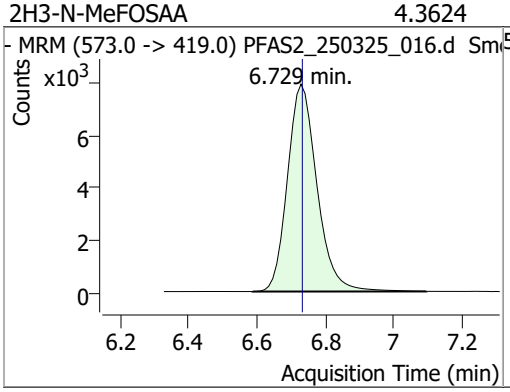


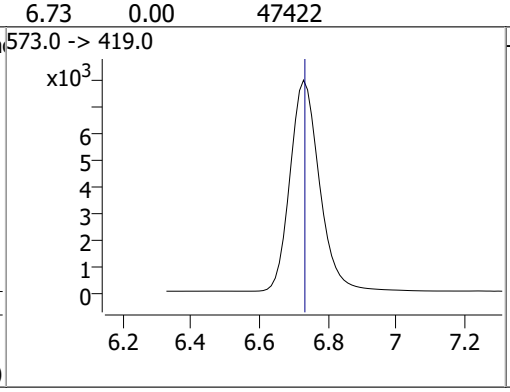
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

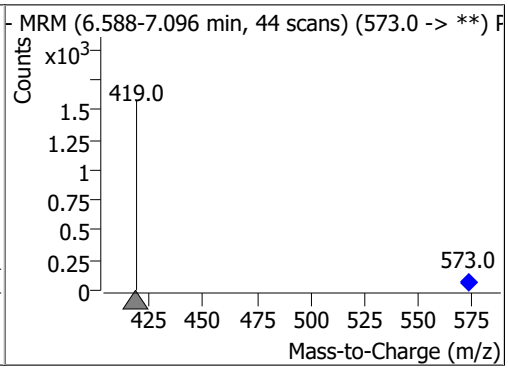




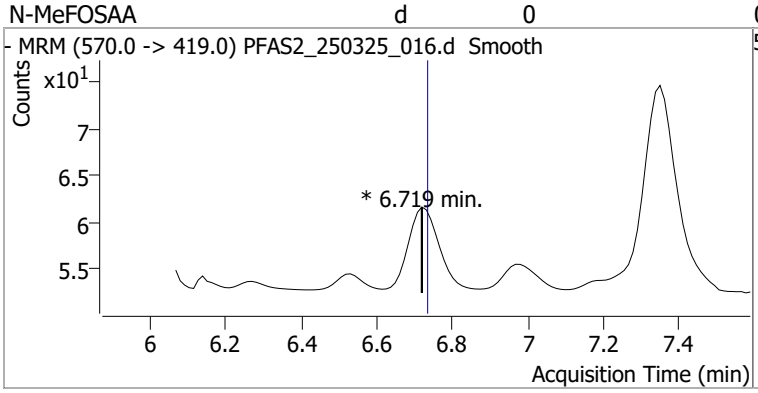
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.3624	6.73	0.00	47422				

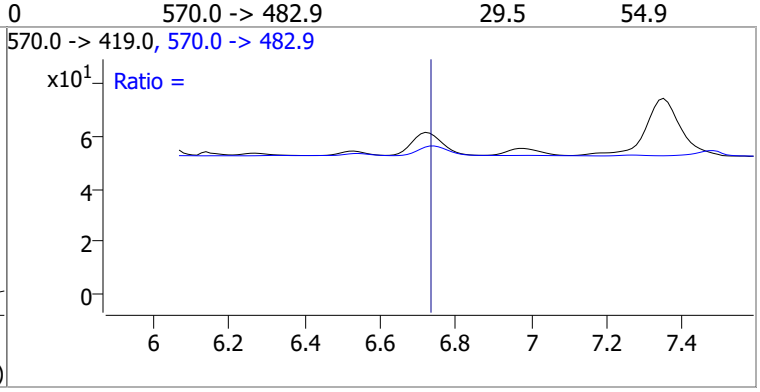




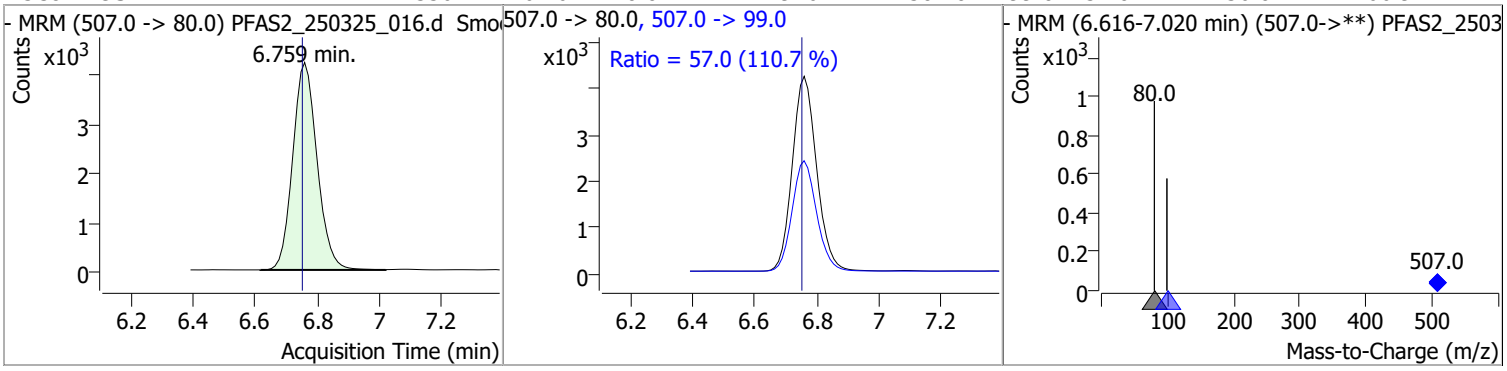


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

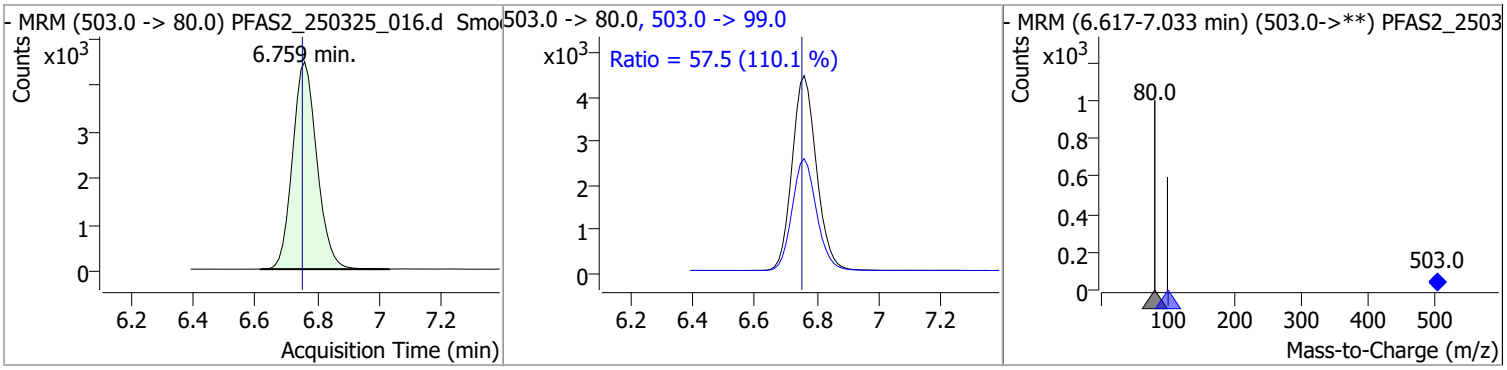




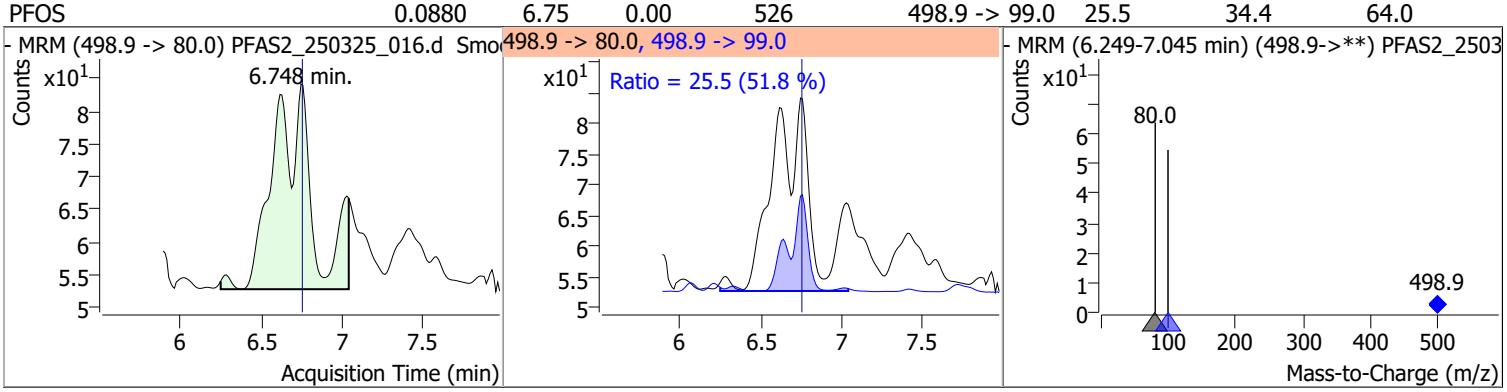
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3367	6.76	0.01	22976	507.0 -> 99.0	57.0	36.0	66.9



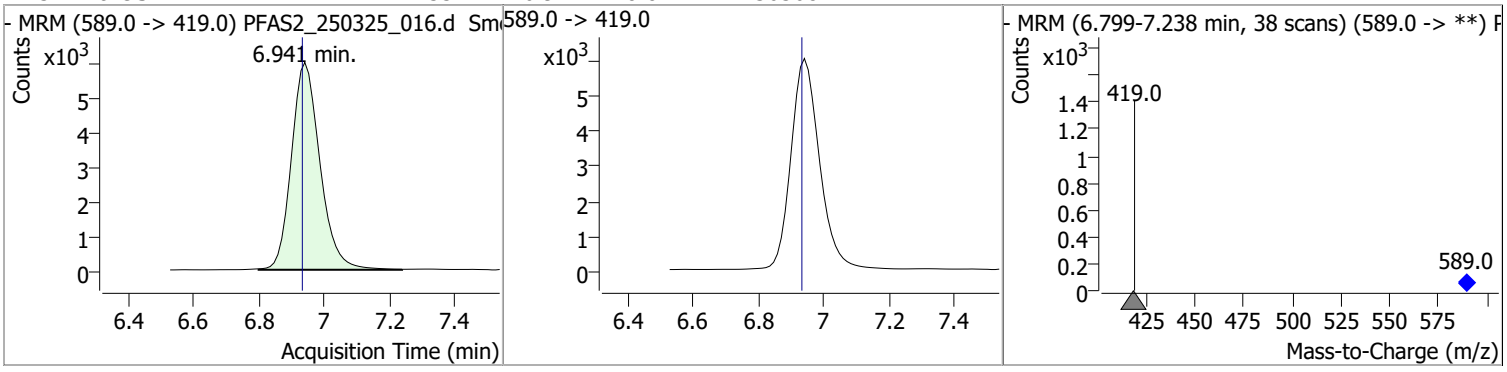
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	24227	503.0 -> 99.0	57.5	36.6	67.9



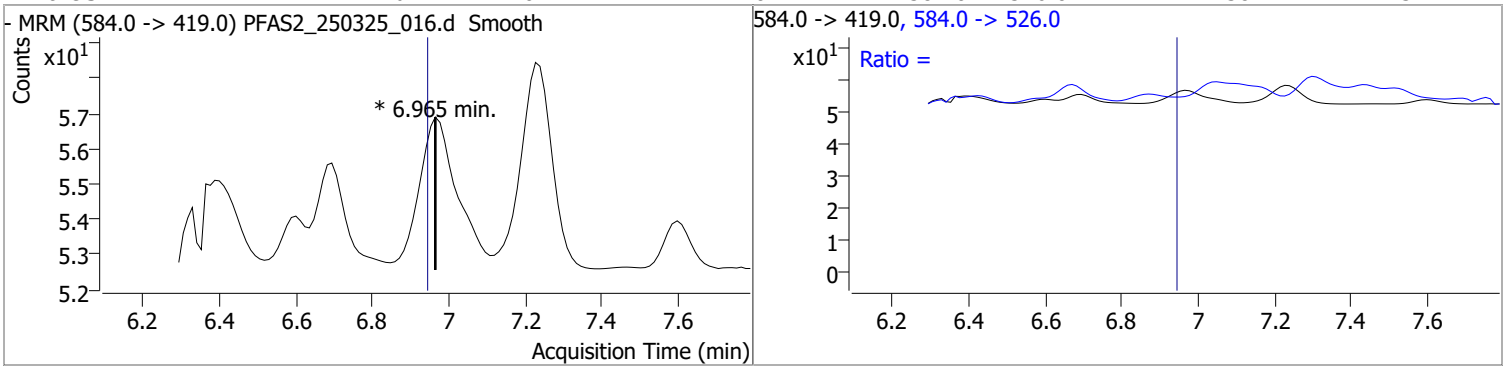
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0880	6.75	0.00	526	498.9 -> 99.0	25.5	34.4	64.0



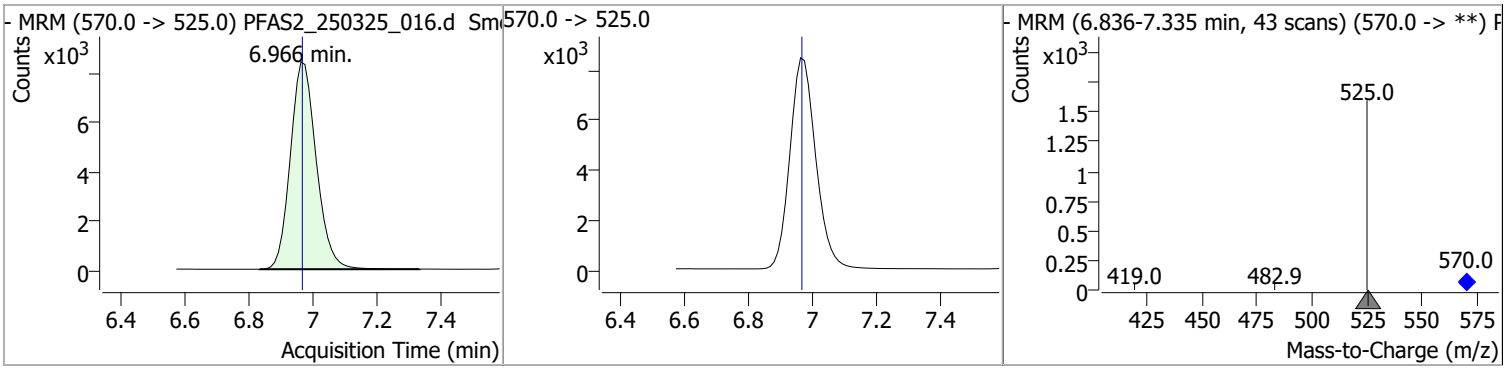
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.4557	6.94	0.01	36568				



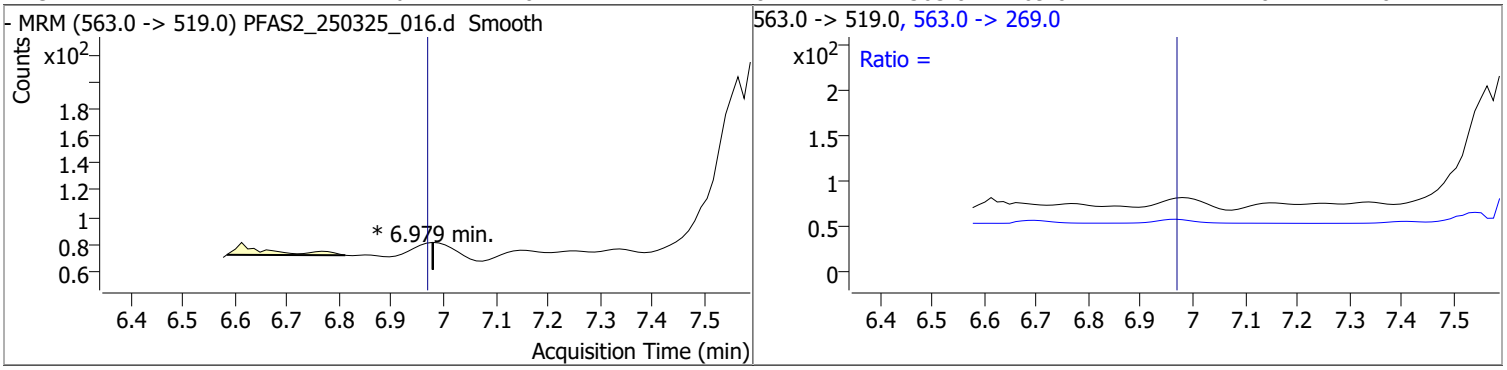
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



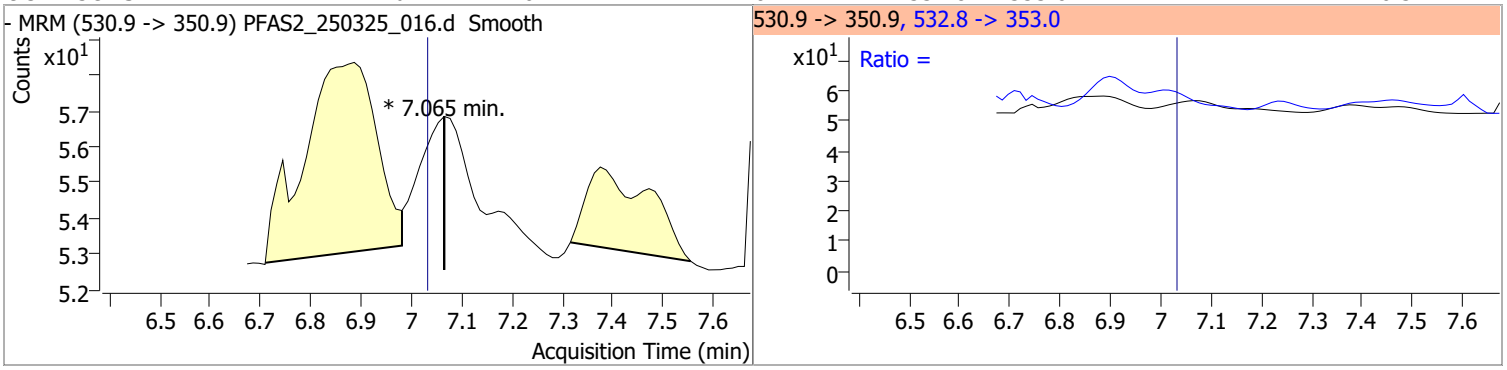
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2384	6.97	0.00	47498				



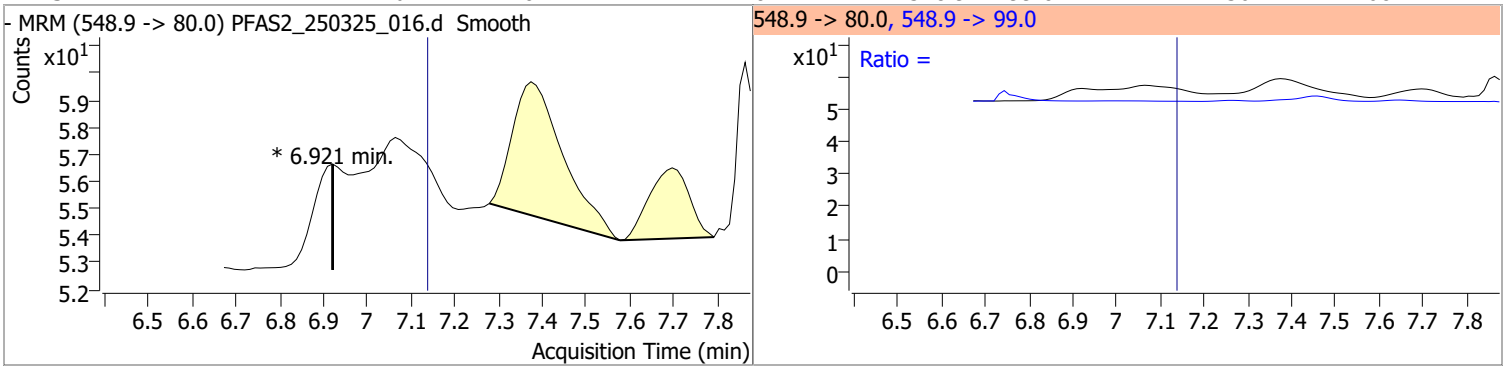
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



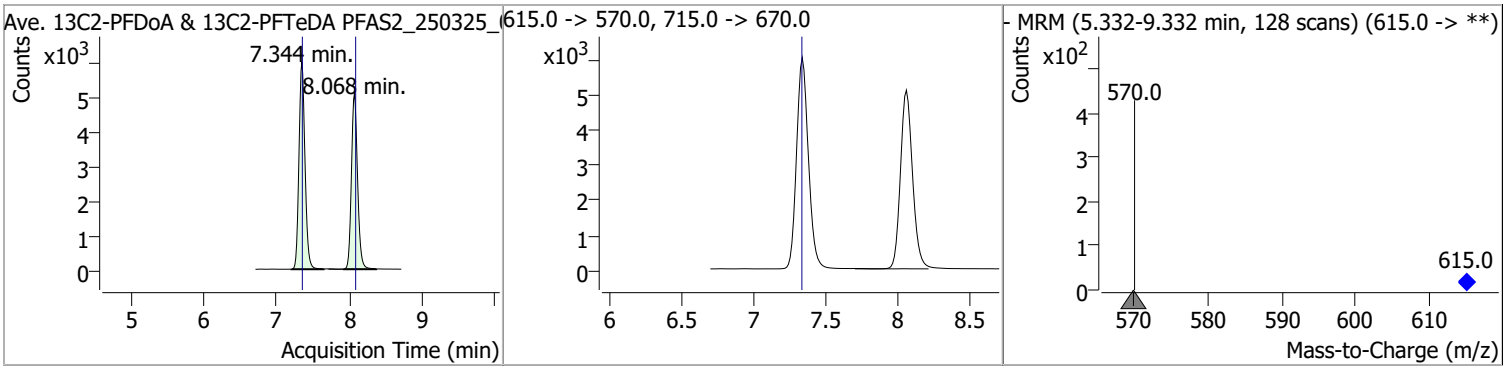
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



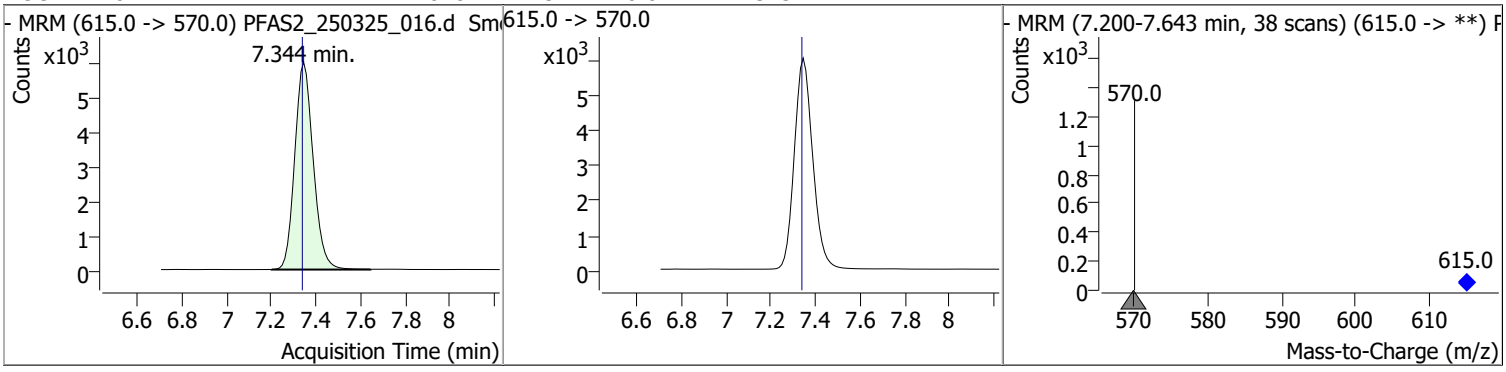
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



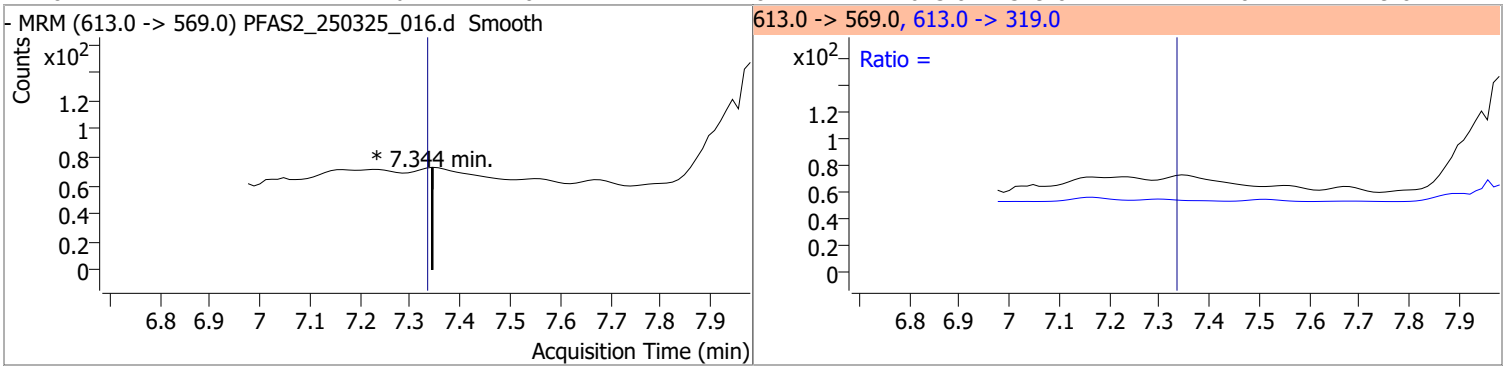
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0187	7.71	0.37	32204				



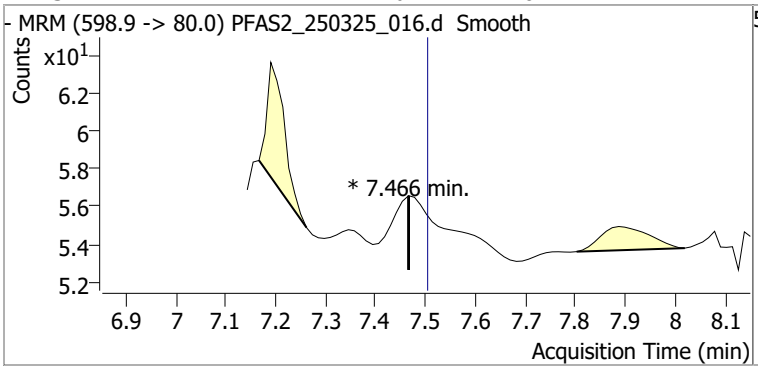
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2078	7.34	0.01	34512				

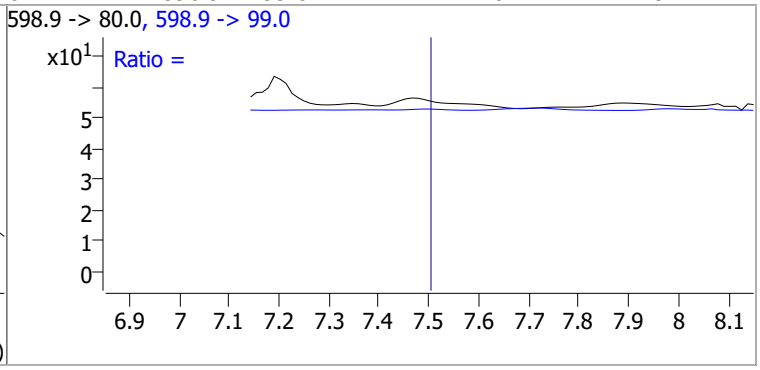


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

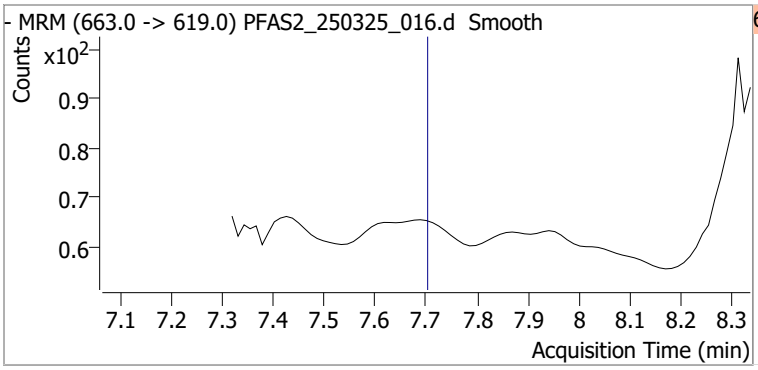


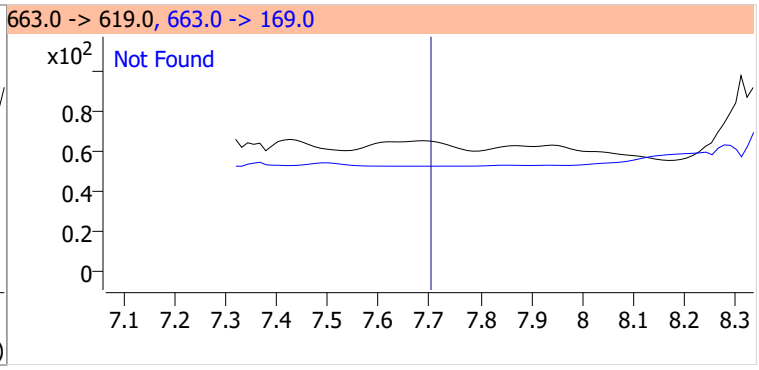
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



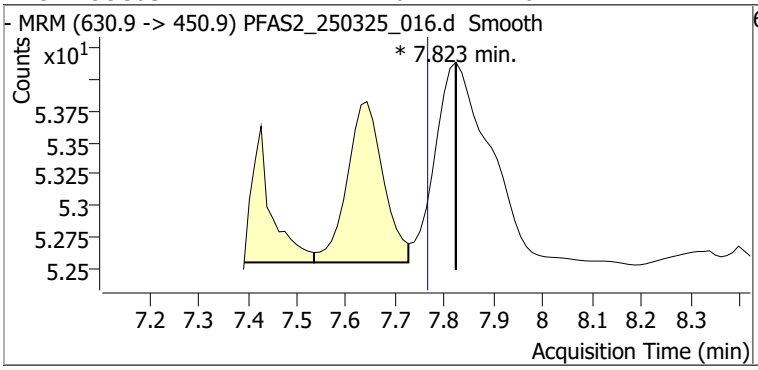


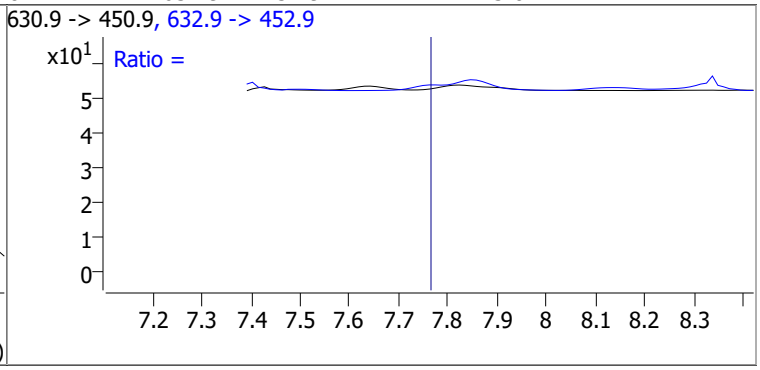
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.70	663.0 -> 169.0	10.3



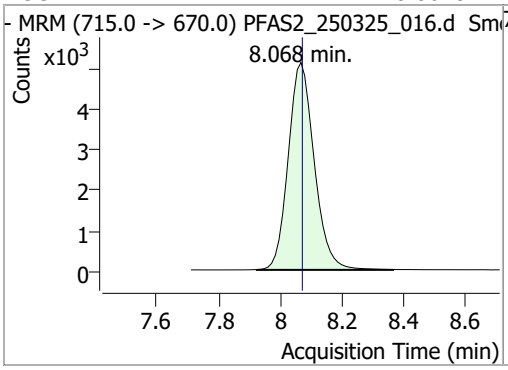


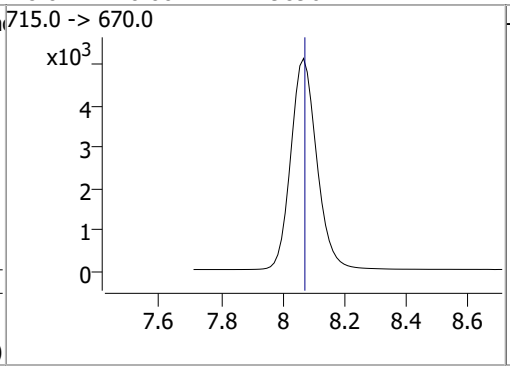
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

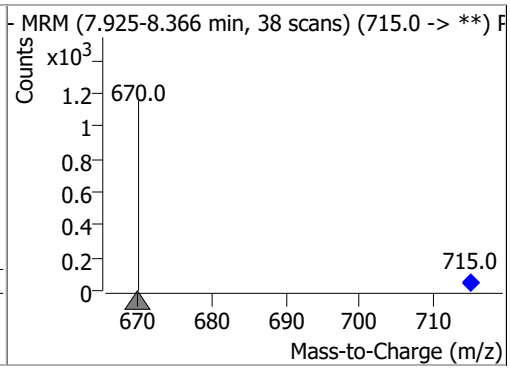




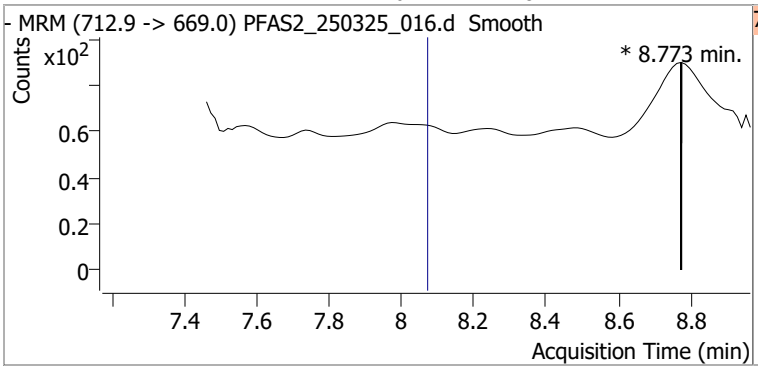
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8628	8.07	0.00	29896				

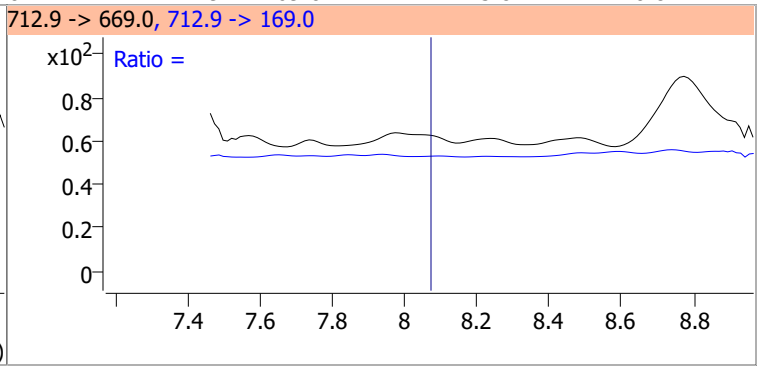




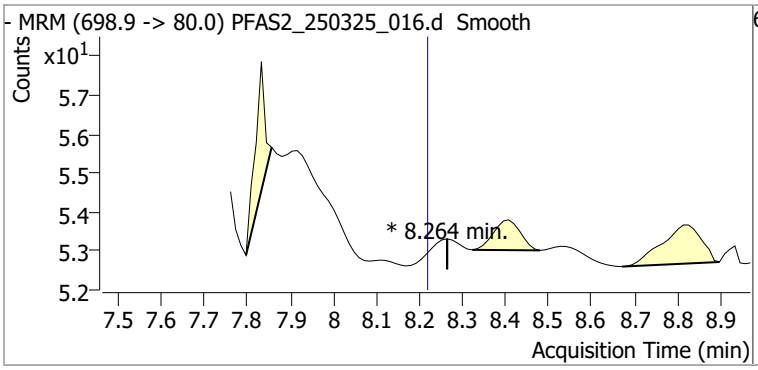


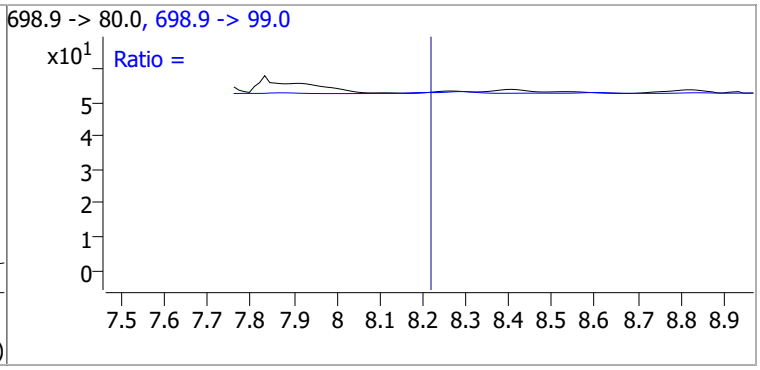
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



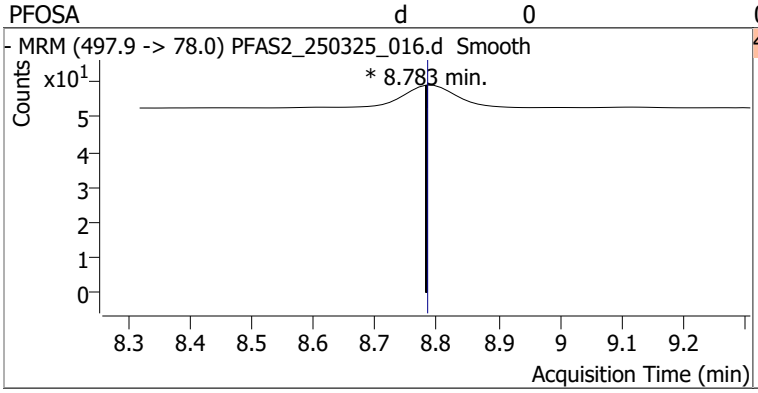


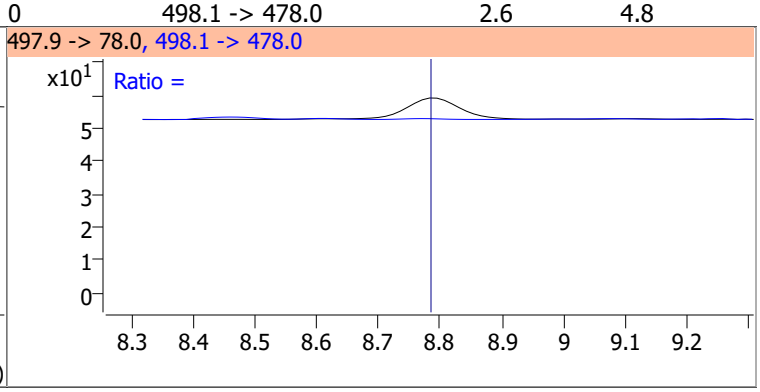
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



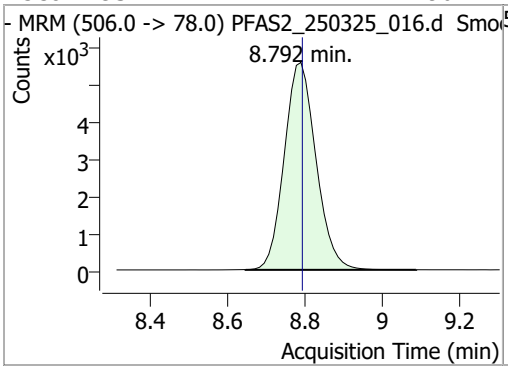


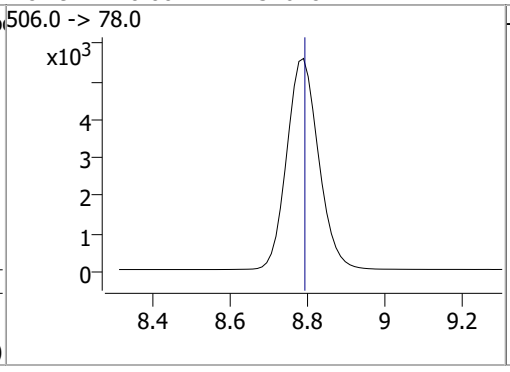
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

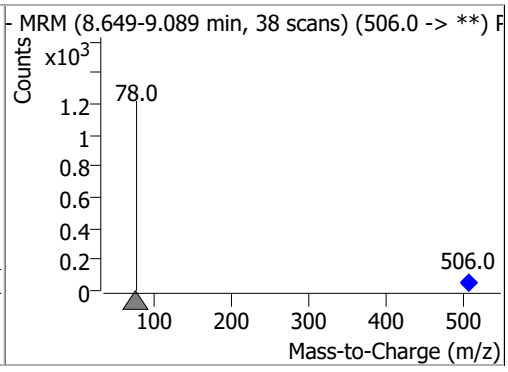




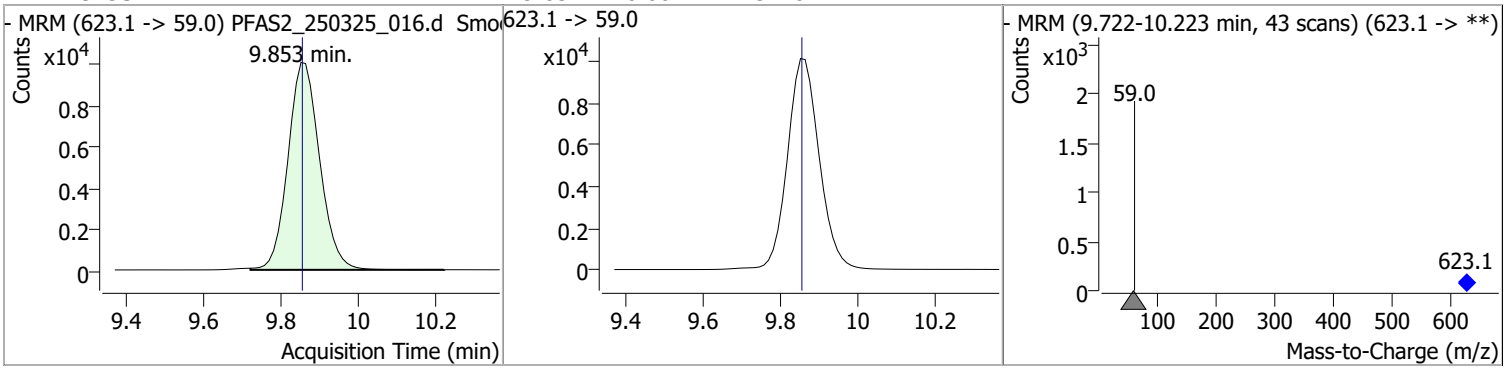
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1964	8.79	0.00	31648				



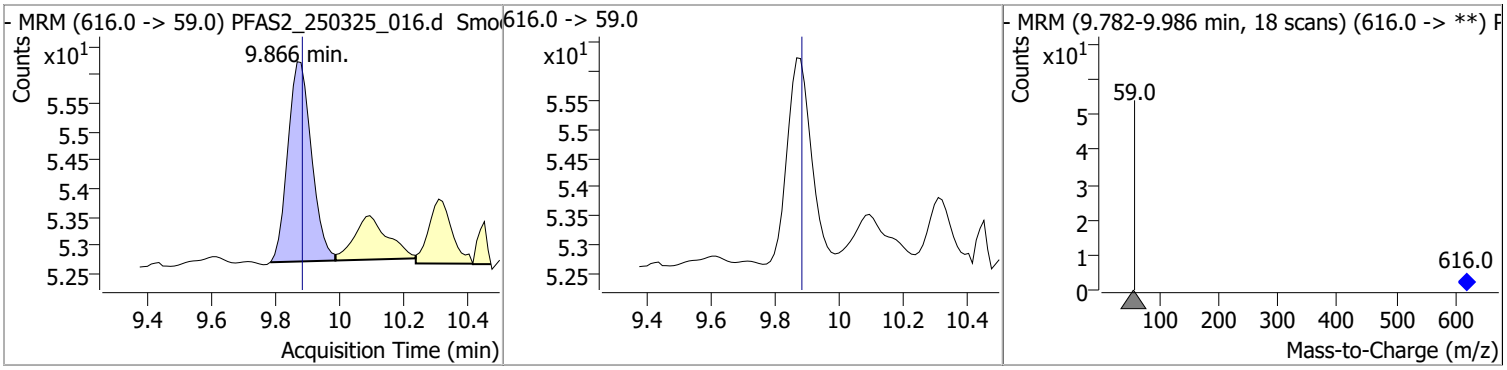




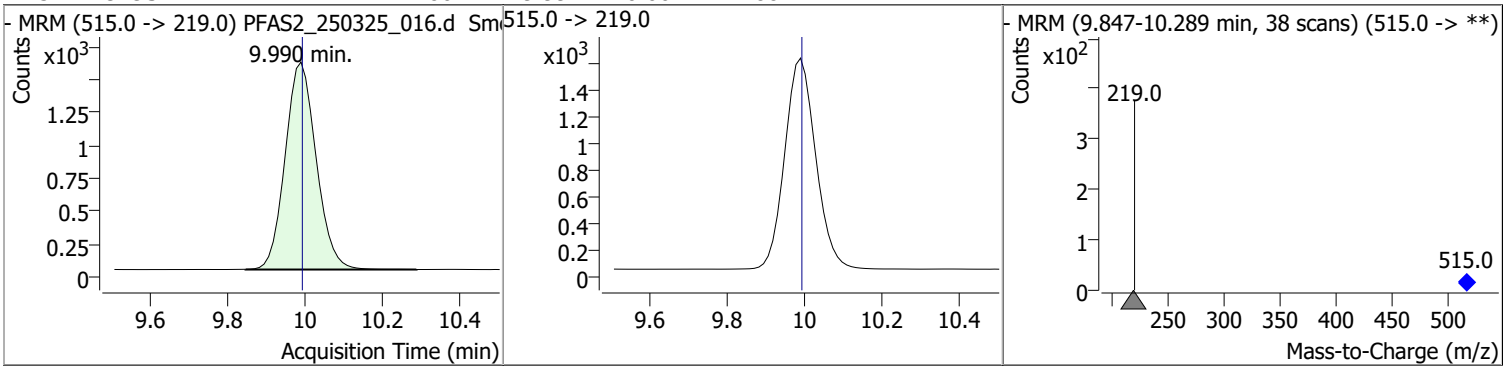
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	11.7272	9.85	0.00	57281				



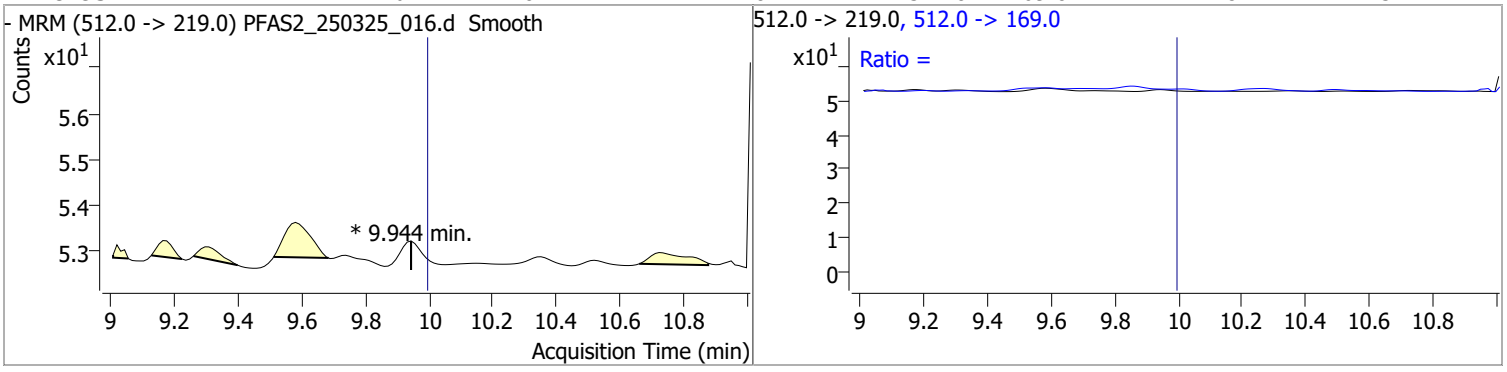
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.87	-0.01	18				



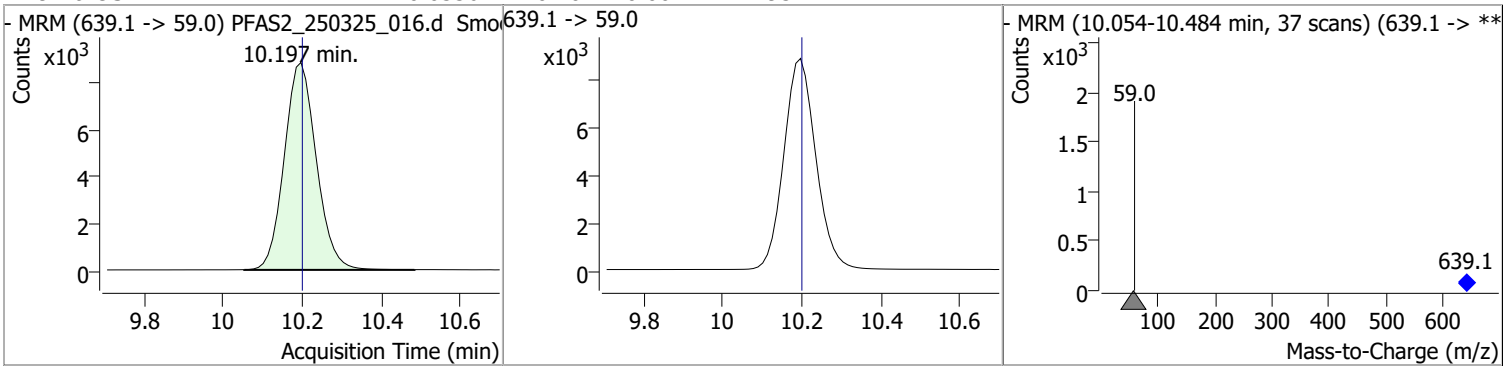
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1804	9.99	0.00	8817				



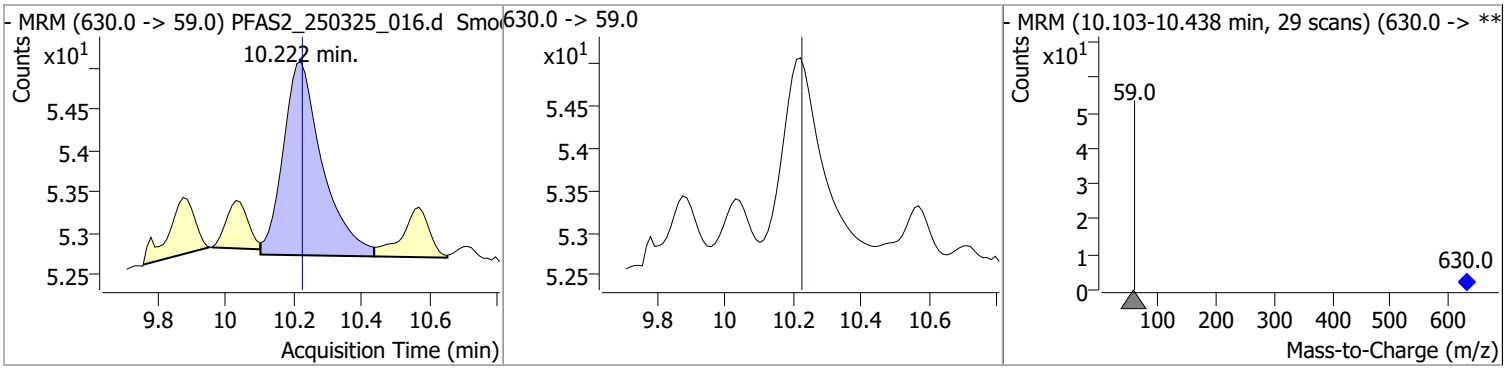
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



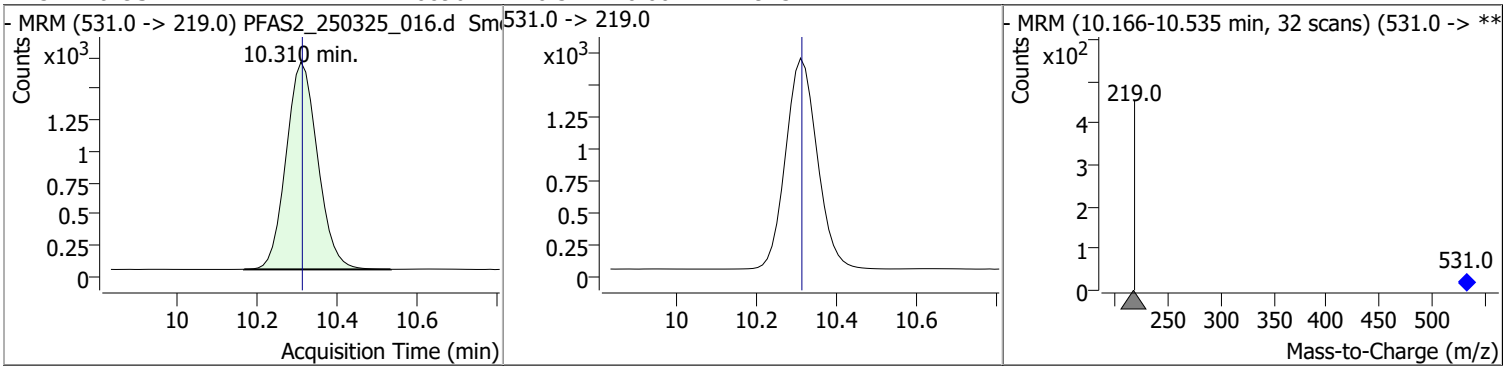
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0336	10.20	0.00	49517				



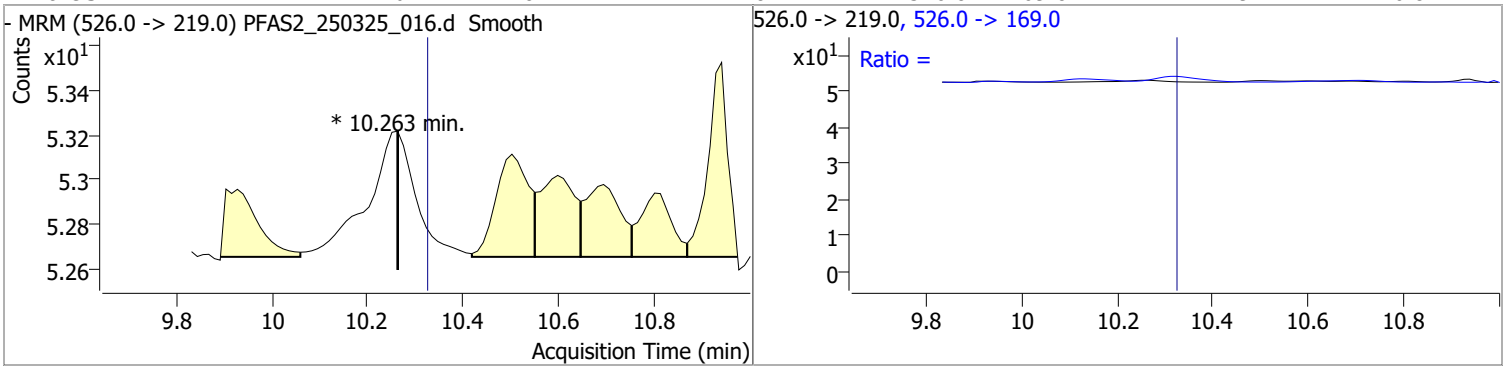
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0200	10.22	0.00	19				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0896	10.31	0.00	9137				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_016.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:15:10 PM
Sample Name	O25C0608-03	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

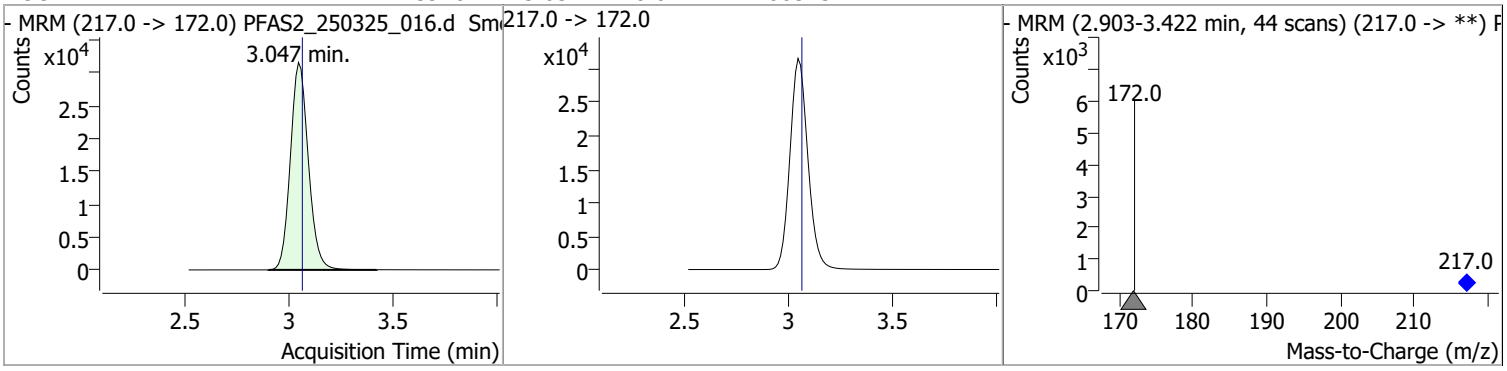
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112137	5.0000	µg/L		-18.054
13C2-PFHxA	4.890	315.0 -> 270.0	125296	2.5000	µg/L		-18.334
18O2-PFHxS	5.943	403.0 -> 84.0	27284	2.5000	µg/L		-7.917
13C4-PFOA	5.823	417.0 -> 172.0	13301	2.5000	µg/L		-13.896
13C5-PFNA	6.214	468.0 -> 423.0	63156	1.2500	µg/L		-11.263
13C2-PFDA	6.592	515.0 -> 470.0	59807	1.2500	µg/L		-10.571
13C4-PFOS	6.759	503.0 -> 80.0	24227	2.5000	µg/L		-2.737
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	188515	10.0000	µg/L		-39.351
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 73.98%			
13C5-PFPeA	4.222	268.0 -> 223.0	175219	5.0000	µg/L		-15.320
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.70%			
13C5-PFPeA	4.222	268.0 -> 223.0	175219	5.0000	µg/L		-15.320
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.70%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24832	5.0000	µg/L	#	-1.712
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.17%			
13C5-PFHxA	4.889	318.0 -> 273.0	134474	2.5000	µg/L		-20.356
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.50%			
13C5-PFHxA	4.889	318.0 -> 273.0	134474	2.5000	µg/L		-20.356
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.50%			
13C3-PFBS	4.929	302.0 -> 80.0	51667	2.5000	µg/L		-14.915
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	154249	10.0000	µg/L		-11.742
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 108.07%			
13C4-PFHpA	5.385	367.0 -> 322.0	166145	2.5000	µg/L		-12.040
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.74%			
13C3-PFHxS	5.944	402.0 -> 80.0	31143	2.5000	µg/L		-10.890
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13469	5.0000	µg/L	#	-8.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.15%			
13C8-PFOA	5.823	421.0 -> 376.0	147678	2.5000	µg/L		-14.508
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.31%			
13C3-PFHxS	5.944	402.0 -> 80.0	31143	2.5000	µg/L		-10.890
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.80%			
13C9-PFNA	6.213	472.0 -> 427.0	62830	1.2500	µg/L		-10.833
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.44%			
13C8-PFOS	6.759	507.0 -> 80.0	22976	2.5000	µg/L		-9.126
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.47%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10061	5.0000	µg/L	#	-15.069
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.11%			
13C6-PFDA	6.591	519.0 -> 474.0	58259	1.2500	µg/L		-14.275
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.77%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47422	5.0000	µg/L		-15.042
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.25%			
13C8-PFOS	6.759	507.0 -> 80.0	22976	2.5000	µg/L		-9.126

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.47%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36568	5.0000	µg/L		-13.283
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.11%			
13C7-PFUnDA	6.966	570.0 -> 525.0	47498	1.2500	µg/L		-11.390
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	32204	1.2500	µg/L		-27.001
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.50%			
13C2-PFDoDA	7.344	615.0 -> 570.0	34512	1.2500	µg/L		-13.602
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.62%			
13C2-PFTDA	8.068	715.0 -> 670.0	29896	1.2500	µg/L		-38.085
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 69.02%			
13C8-PFOSA	8.792	506.0 -> 78.0	31648	2.5000	µg/L		-14.374
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.86%			
13C8-PFOSA	8.792	506.0 -> 78.0	31648	2.5000	µg/L		-14.374
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.86%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57281	25.0000	µg/L		-54.410
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 46.91%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8817	2.5000	µg/L		-14.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.22%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49517	25.0000	µg/L		-22.031
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.13%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9137	2.5000	µg/L		-18.714
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.58%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	5643	0.4221	µg/L		100
PFMPA	3.602	229.0 -> 85.0	17	0.0560	µg/L		100
3-3 FTCA	3.634	241.0 -> 177.0	18	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	10395	0.3448	µg/L	#	100
PFMBA	4.441	279.0 -> 85.0	16	0.0343	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	20	0.0013	µg/L		41
NFDHA	4.823	295.0 -> 201.0	14	0.0138	µg/L		48
PFHxA	4.892	313.0 -> 269.0	12321	0.2560	µg/L		99
PFBS	4.930	298.9 -> 80.0	13665	0.6374	µg/L		93
HFPO-DA	5.110	285.0 -> 169.0	69	0.0050	µg/L	#	59
PFEESA	5.201	314.9 -> 135.0	21	0.0519	µg/L	#	42
PFHpA	5.386	363.0 -> 319.0	4229	0.0870	µg/L		96
5-3 FTCA	5.470	341.0 -> 237.0	117	0.2082	µg/L	#	37
PFPeS	5.482	348.9 -> 80.0	602	0.0358	µg/L		91
DONA	5.432	377.0 -> 251.0	164	0.0693	µg/L	#	67
6-2 FTSA	5.631	427.0 -> 407.0	67	0.1170	µg/L	#	73
PFOA	5.824	413.0 -> 369.0	1284	0.0583	µg/L		95
PFHxS	5.945	398.9 -> 80.0	3473	0.2867	µg/L		100
PFNA	6.226	463.0 -> 419.0	191	0.0107	µg/L		97
PFHpS	6.370	448.9 -> 80.0	20	0.0021	µg/L		26
8-2 FTSA	6.424	527.0 -> 507.0	12	0.0750	µg/L		47
PFDA	6.592	513.0 -> 469.0	177	0.0009	µg/L		68
7-3 FTCA	6.620	441.0 -> 317.0	22	0.2521	µg/L		72
N-MeFOSAA	6.719	570.0 -> 419.0	72	0.0167	µg/L		89
PFOS	6.748	498.9 -> 80.0	526	0.0880	µg/L	#	65
N-EtFOSAA	6.965	584.0 -> 419.0	46	0.0178	µg/L	#	1
PFUnDA	6.979	563.0 -> 519.0	38	0.0143	µg/L	#	24
9Cl-PF3ONS	7.065	530.9 -> 350.9	24	0.0655	µg/L		44
PFNS	6.921	548.9 -> 80.0	8	0.0010	µg/L		26
PFDoDA	7.344	613.0 -> 569.0	167	0.0066	µg/L	#	68

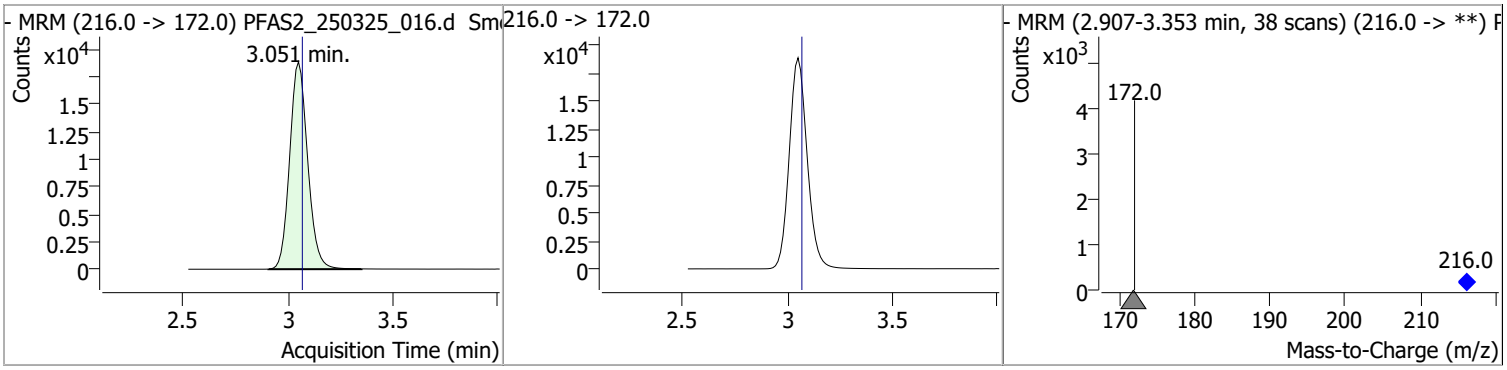
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	21	0.0036	µg/L	#	41
PFTrDA	0.000		0	N.D.			
11Cl-PF3OUdS	7.823	630.9 -> 450.9	12	0.0006	µg/L	#	1
PFTDA	8.773	712.9 -> 669.0	300	0.0221	µg/L		95
PFDoS	8.264	698.9 -> 80.0	2	0.0005	µg/L	#	44
PFOSA	8.783	497.9 -> 78.0	39	0.0035	µg/L	#	95
MeFOSE	9.866	616.0 -> 59.0	18	0.0000	µg/L		100
N-MeFOSA	9.944	512.0 -> 219.0	2	0.0006	µg/L	#	1
EtFOSE	10.222	630.0 -> 59.0	19	0.0200	µg/L		100
N-EtFOSA	10.263	526.0 -> 219.0	4	0.0011	µg/L	#	1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

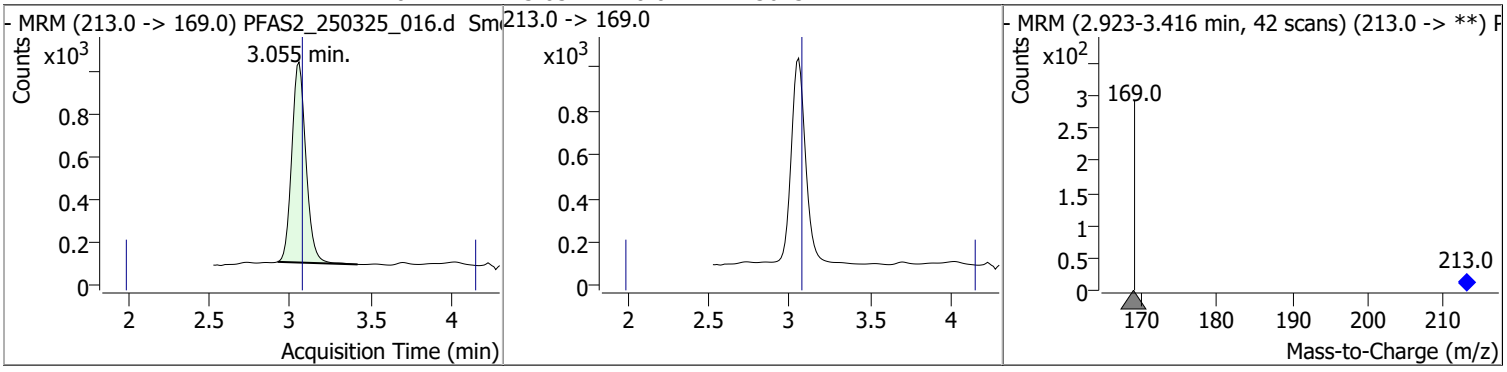
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	7.3978	3.05	-0.01	188515				



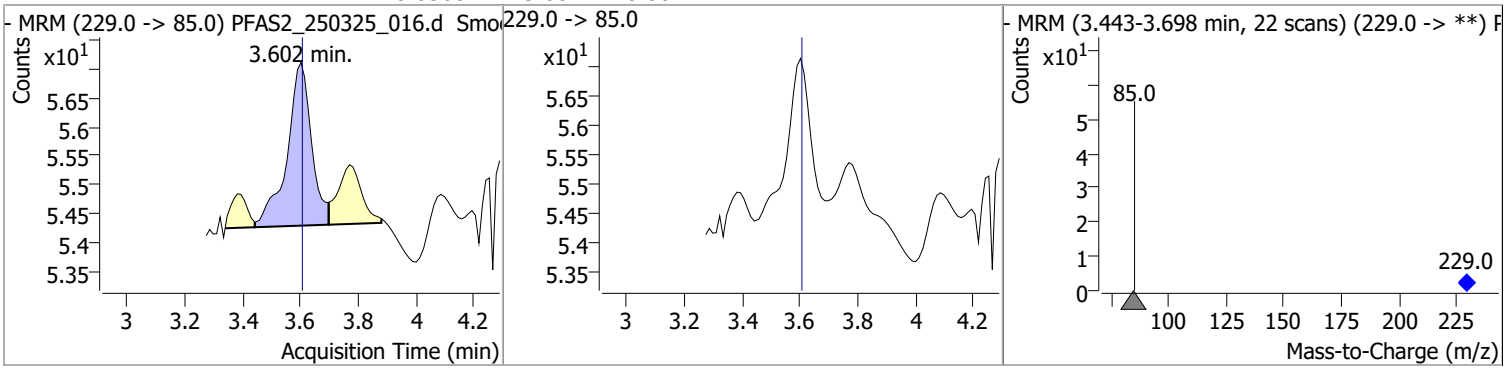
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112137				



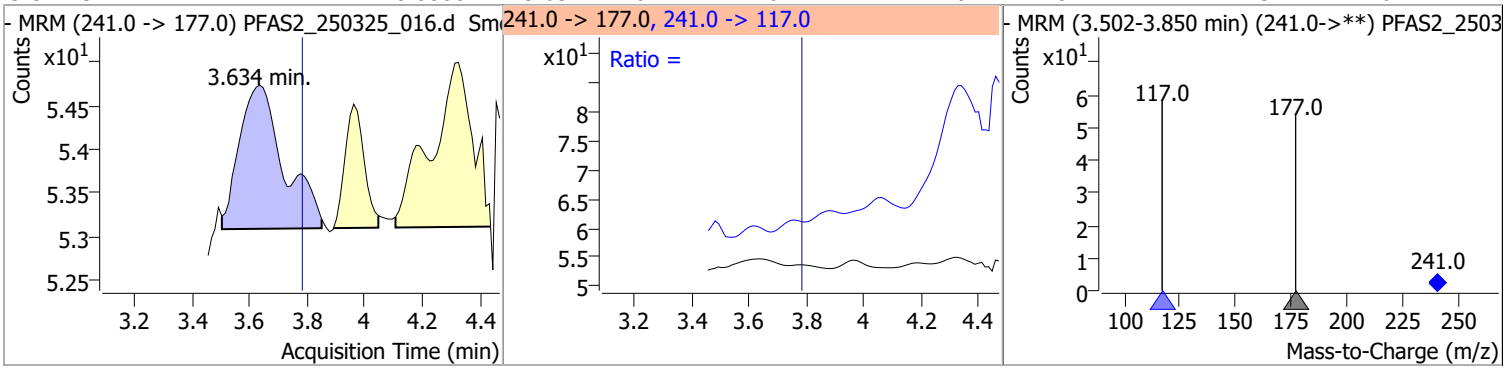
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.4221	3.05	-0.01	5643				



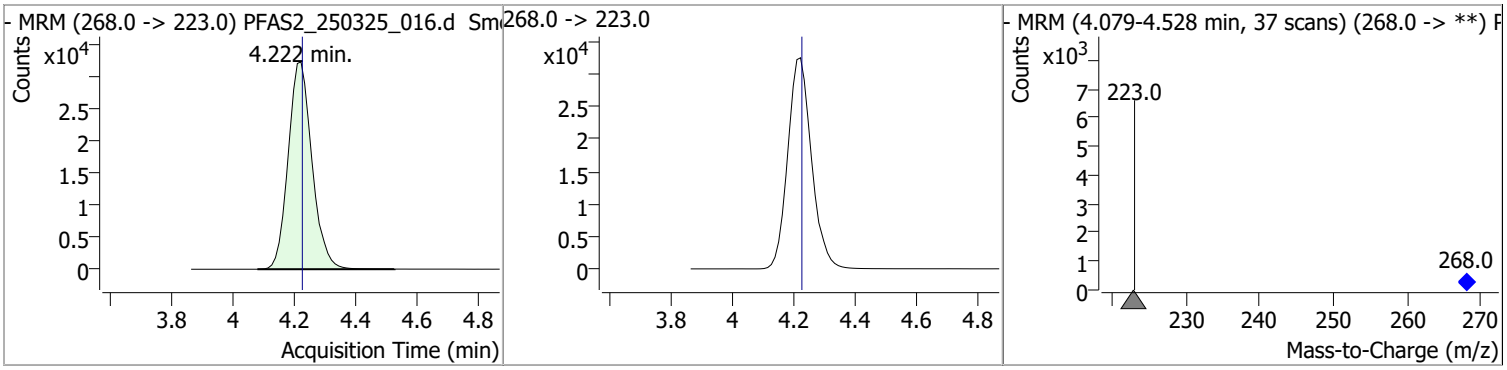
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0560	3.60	0.00	17				



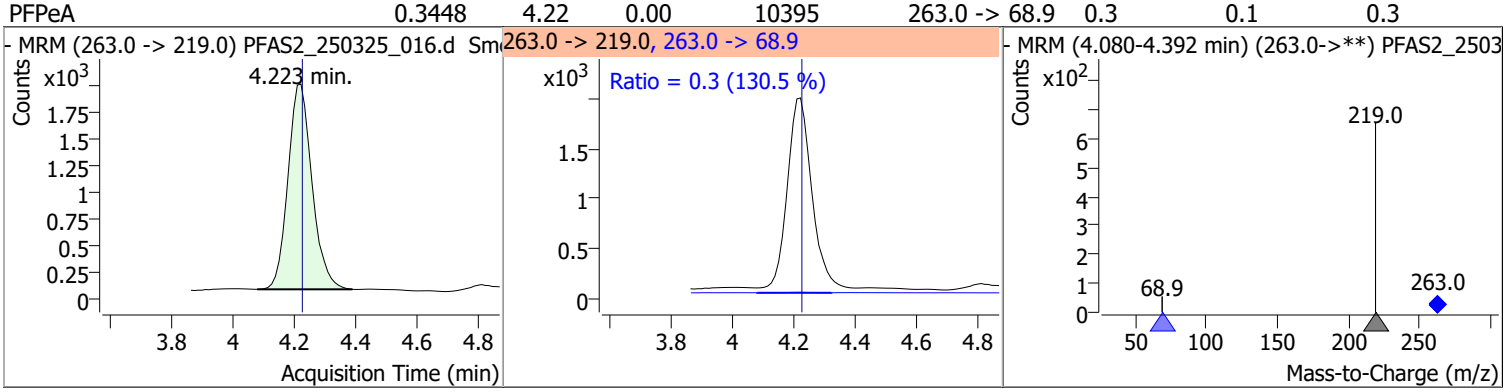
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.63	-0.14	18	241.0 -> 117.0		41.3	76.7



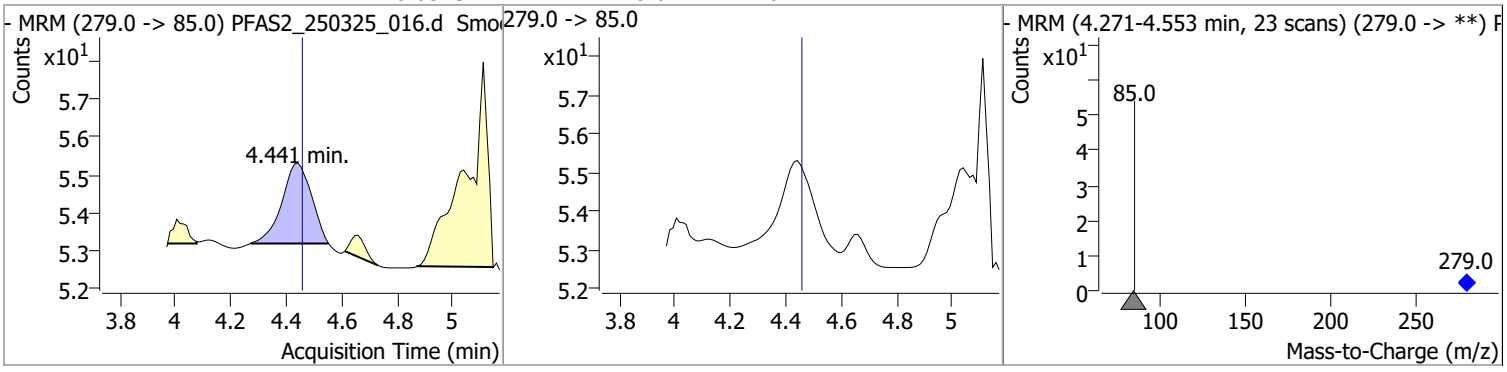
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1848	4.22	0.00	175219				



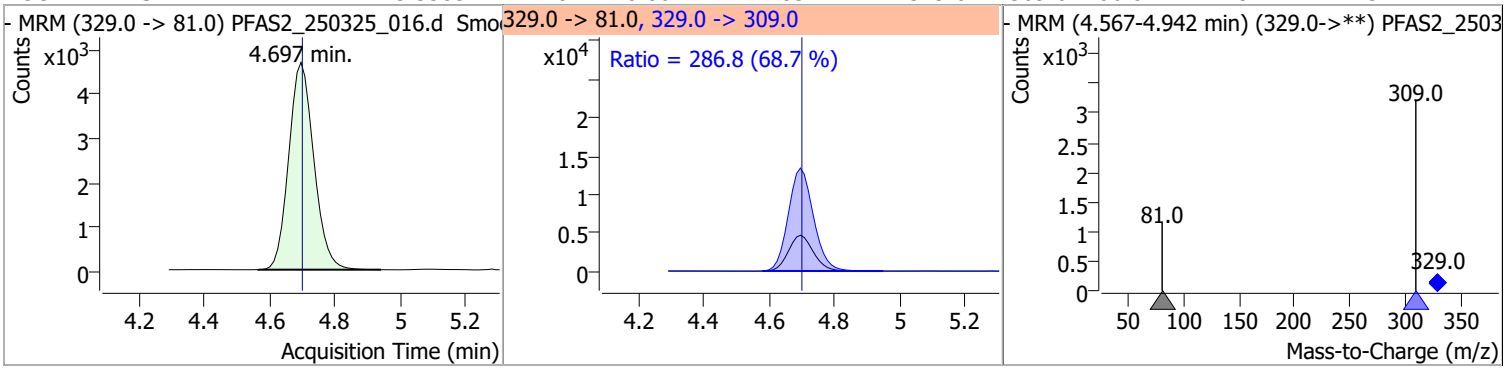
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.3448	4.22	0.00	10395	263.0 -> 68.9	0.3	0.1	0.3



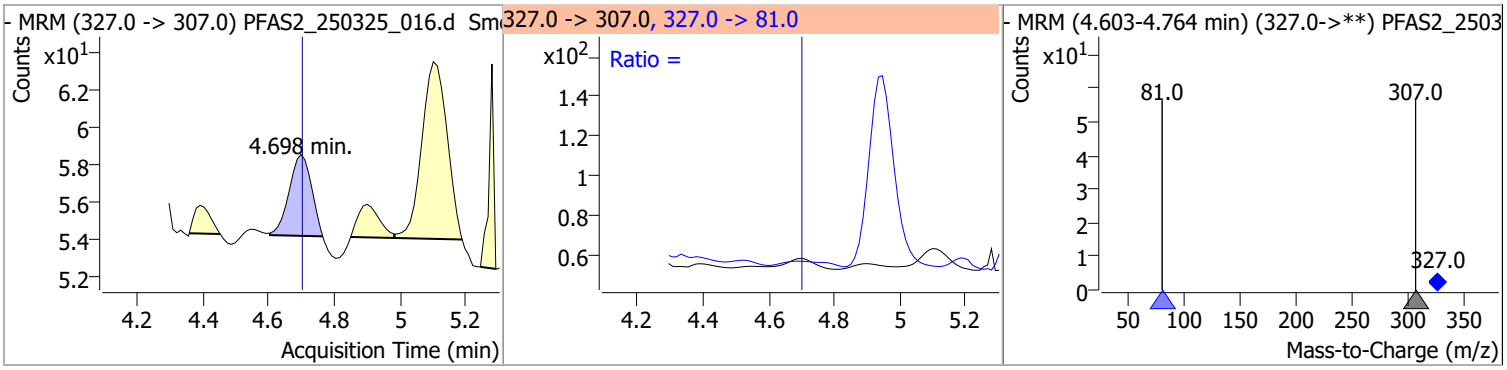
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0343	4.44	-0.01	16				



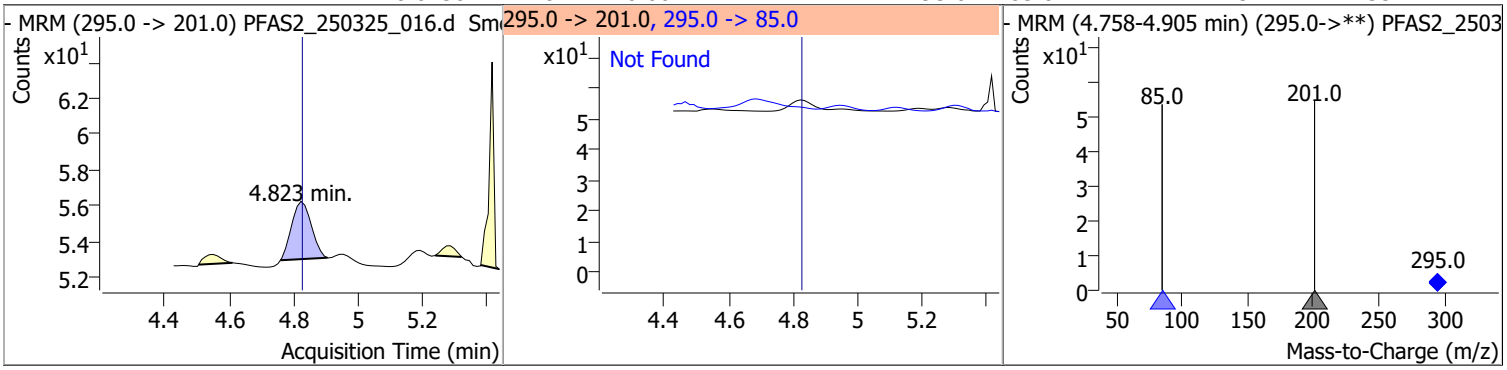
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3585	4.70	0.00	24832	329.0 -> 309.0	286.8	292.1	542.4



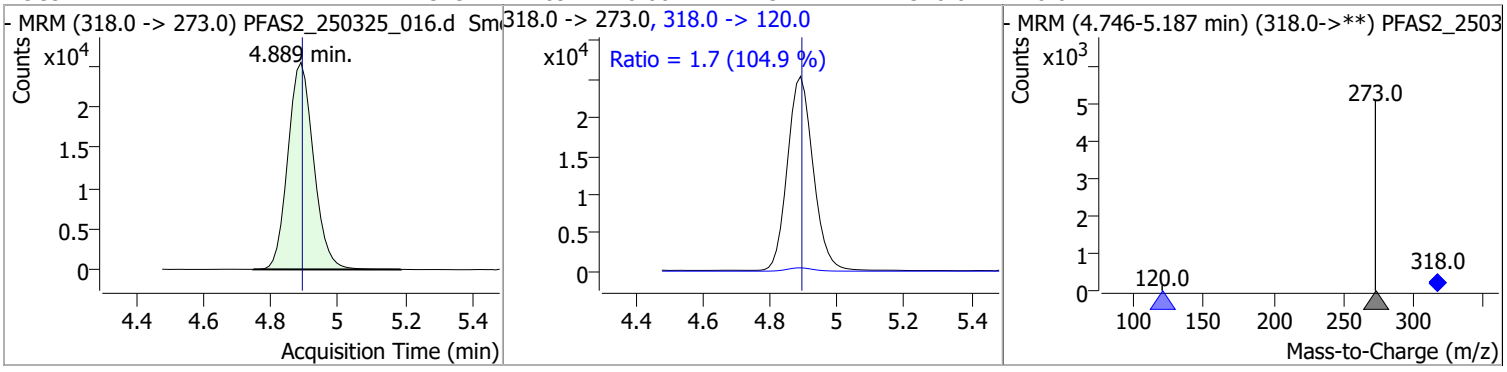
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0013	4.70	0.00	20	327.0 -> 81.0		23.6	43.9



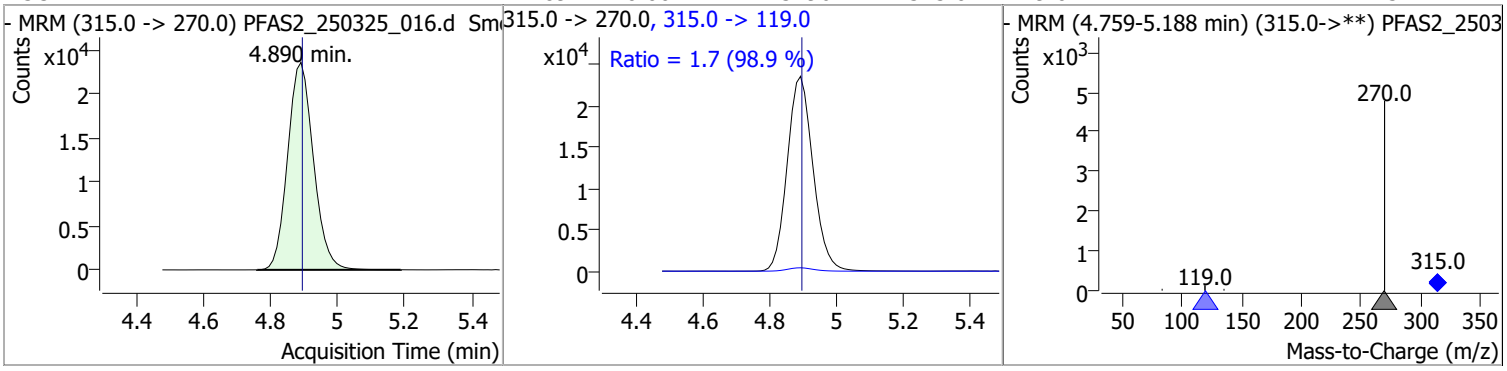
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0138	4.82	0.00	14	295.0 -> 85.0		19.1	35.4



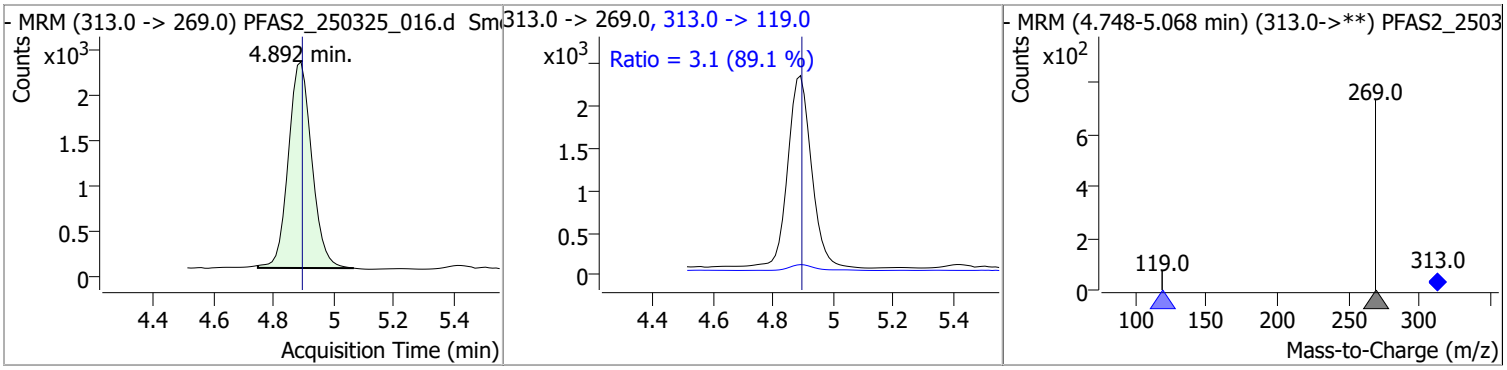
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4375	4.89	0.00	134474	318.0 -> 120.0	1.7	1.1	2.1



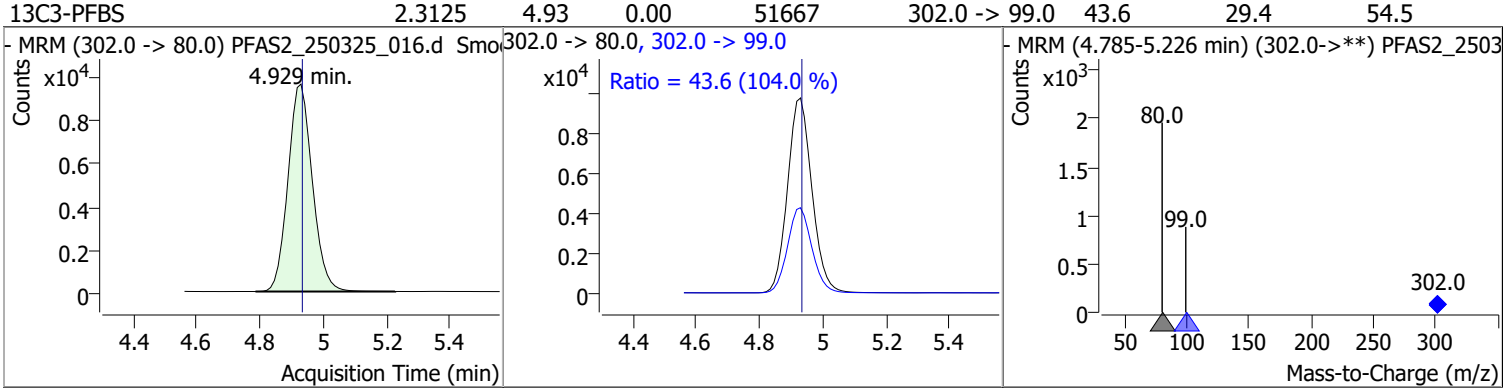
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	125296	315.0 -> 119.0	1.7	1.2	2.3



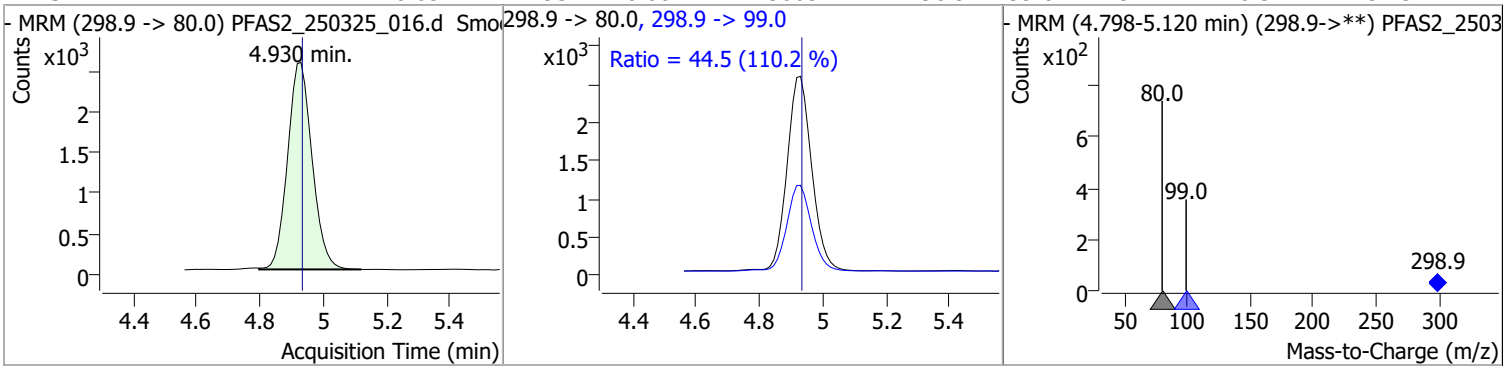
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2560	4.89	0.00	12321	313.0 -> 119.0	3.1	2.4	4.5



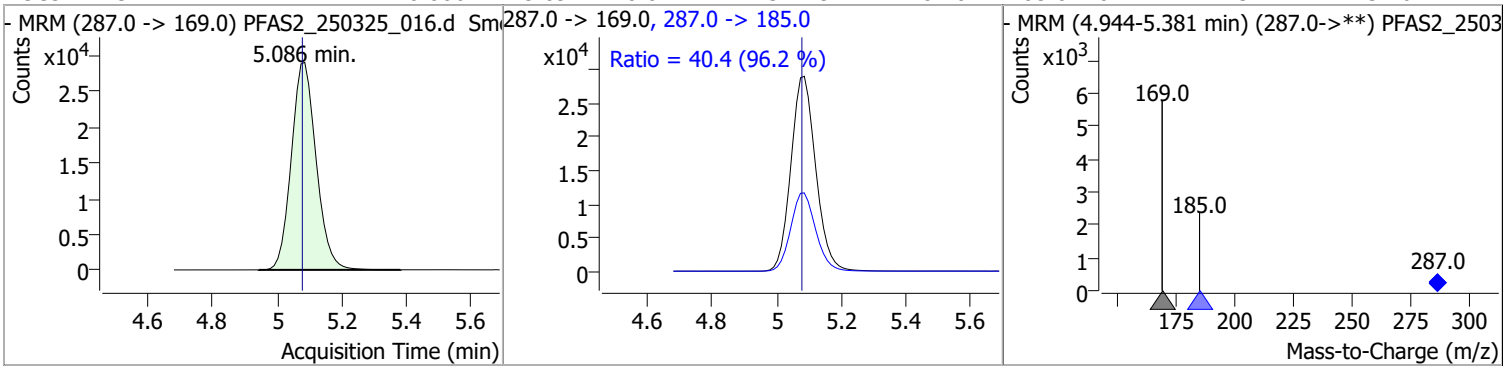
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3125	4.93	0.00	51667	302.0 -> 99.0	43.6	29.4	54.5



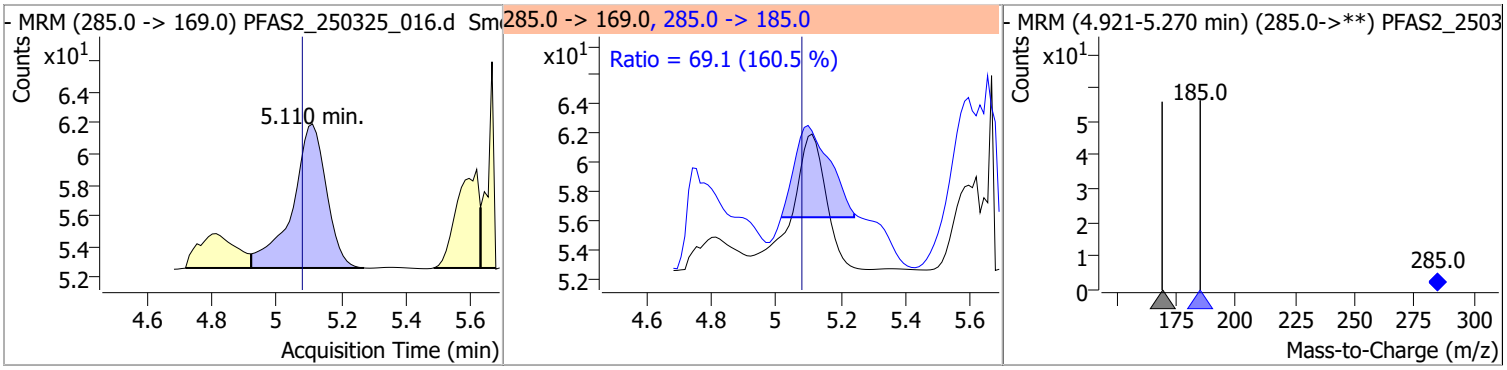
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.6374	4.93	0.00	13665	298.9 -> 99.0	44.5	28.3	52.5



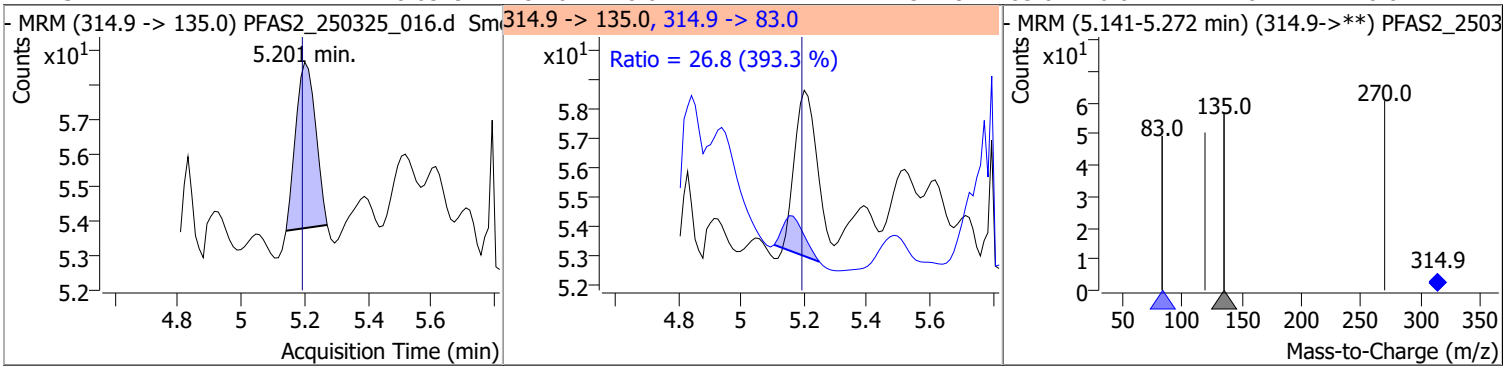
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.8067	5.09	0.01	154249	287.0 -> 185.0	40.4	29.4	54.6



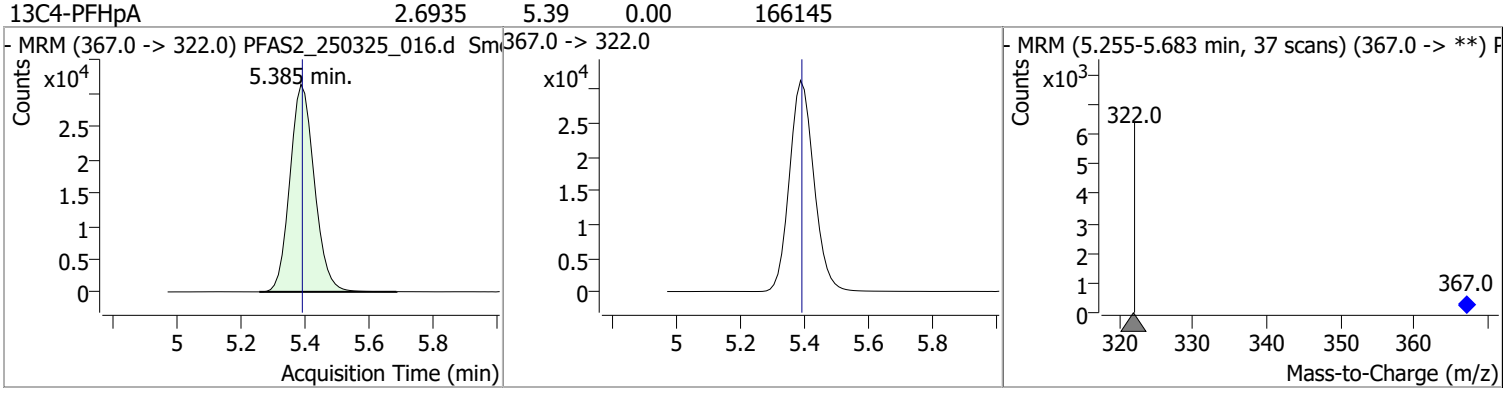
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0050	5.11	0.04	69	285.0 -> 185.0	69.1	30.1	56.0



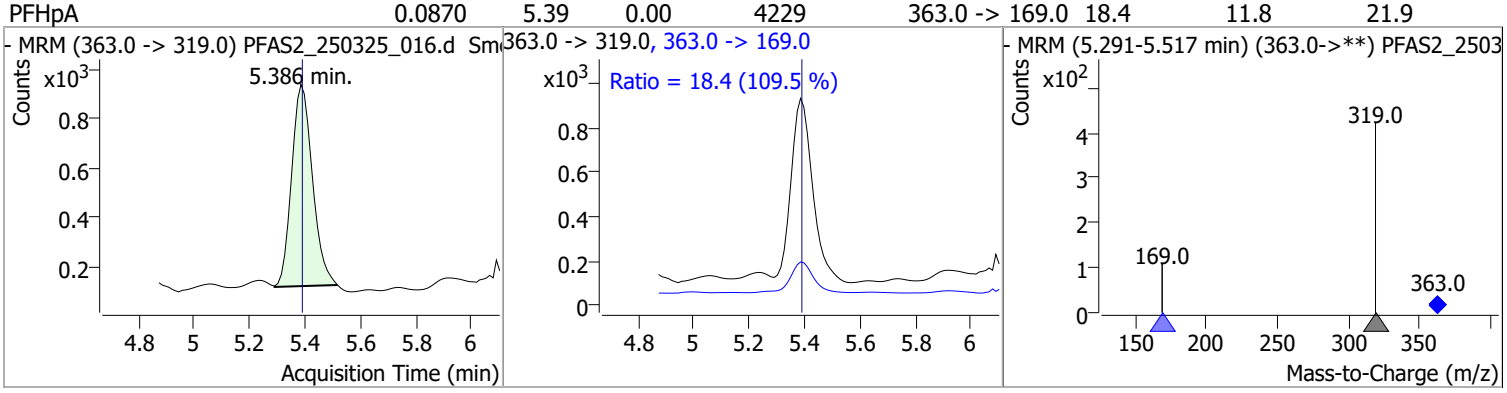
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0519	5.20	0.01	21	314.9 -> 83.0	26.8	4.8	8.8



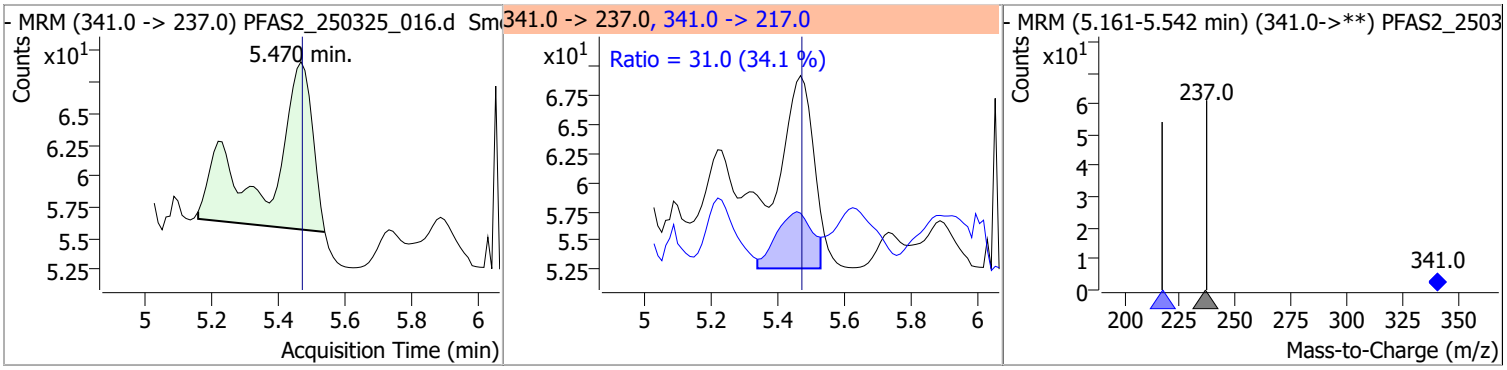
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6935	5.39	0.00	166145				



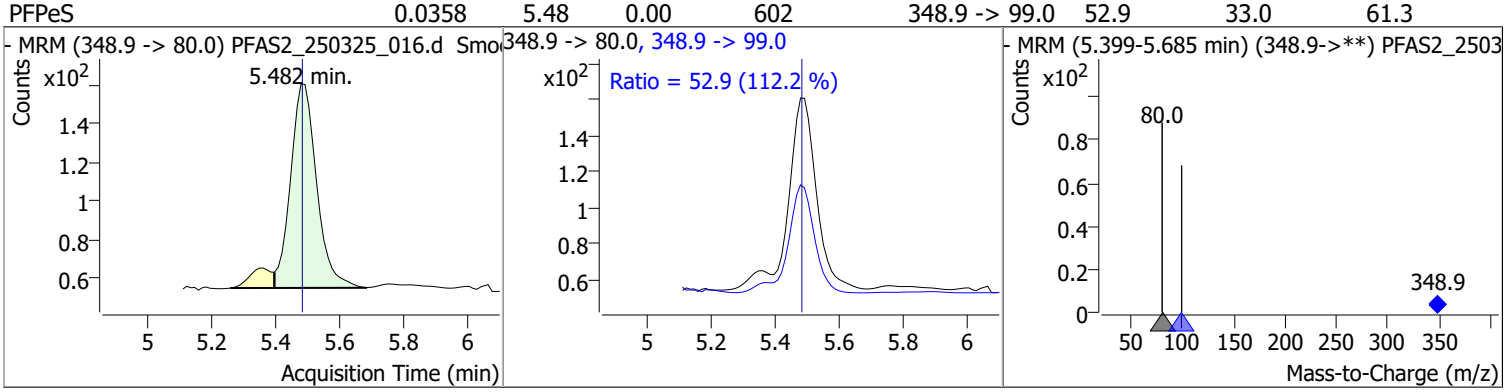
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0870	5.39	0.00	4229	363.0 -> 169.0	18.4	11.8	21.9



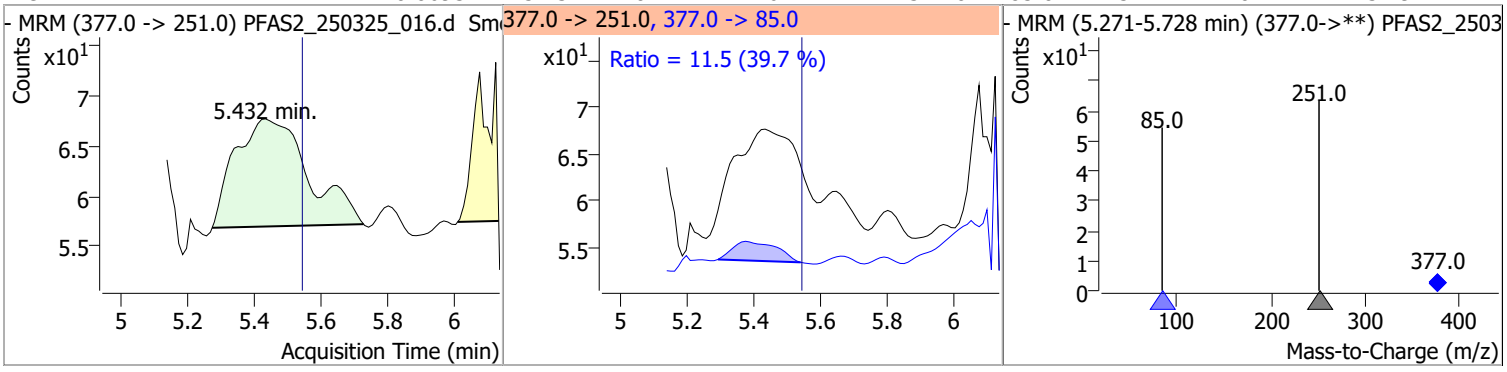
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2082	5.47	0.00	117	341.0 -> 217.0	31.0	63.6	118.1



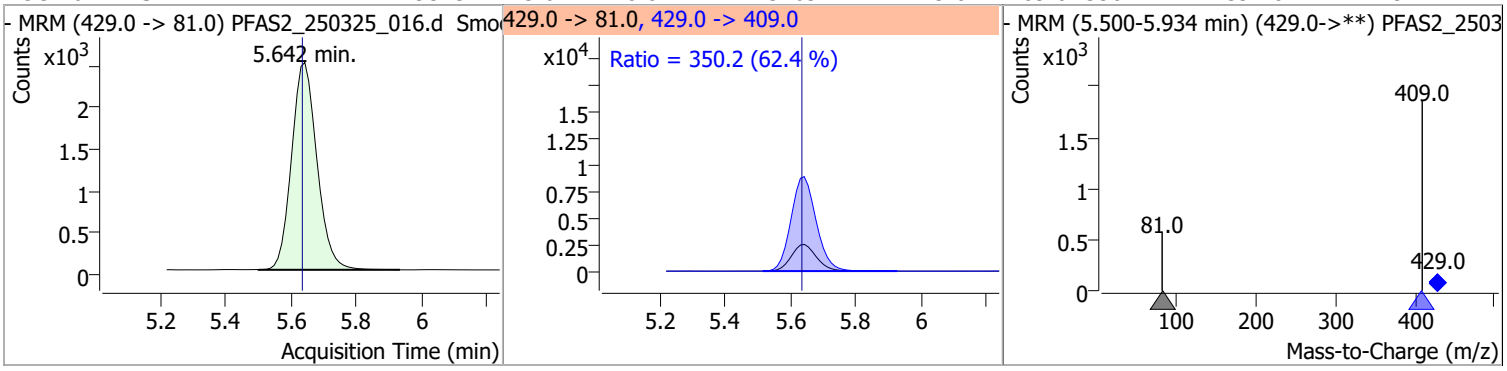
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0358	5.48	0.00	602	348.9 -> 99.0	52.9	33.0	61.3



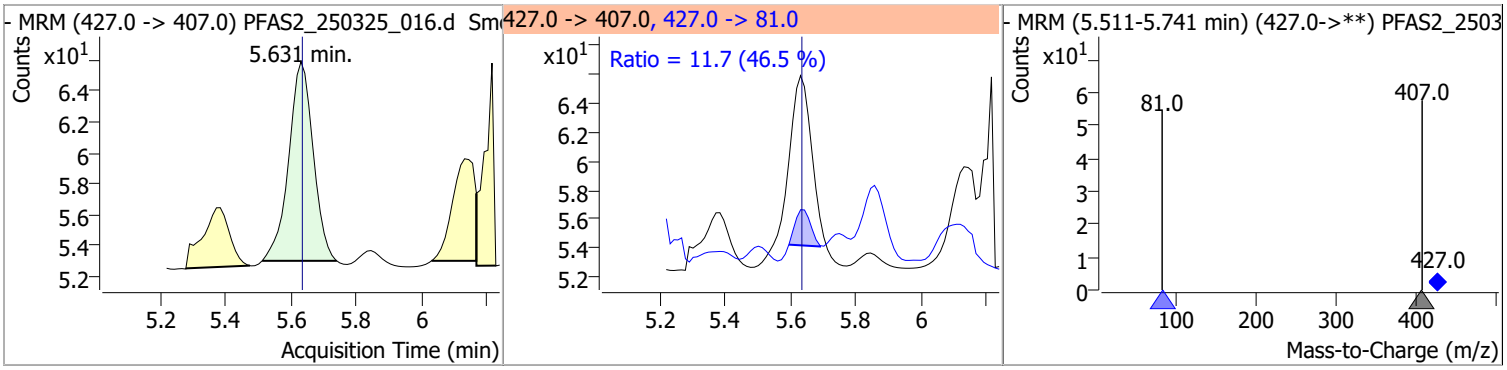
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0693	5.43	-0.11	164	377.0 -> 85.0	11.5	20.4	37.9



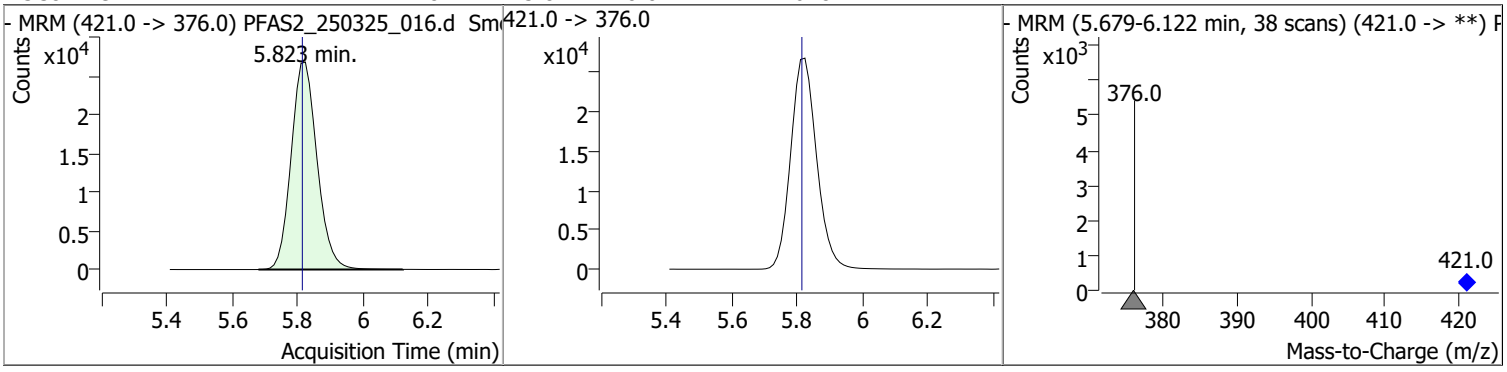
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9575	5.64	0.01	13469	429.0 -> 409.0	350.2	392.8	729.4



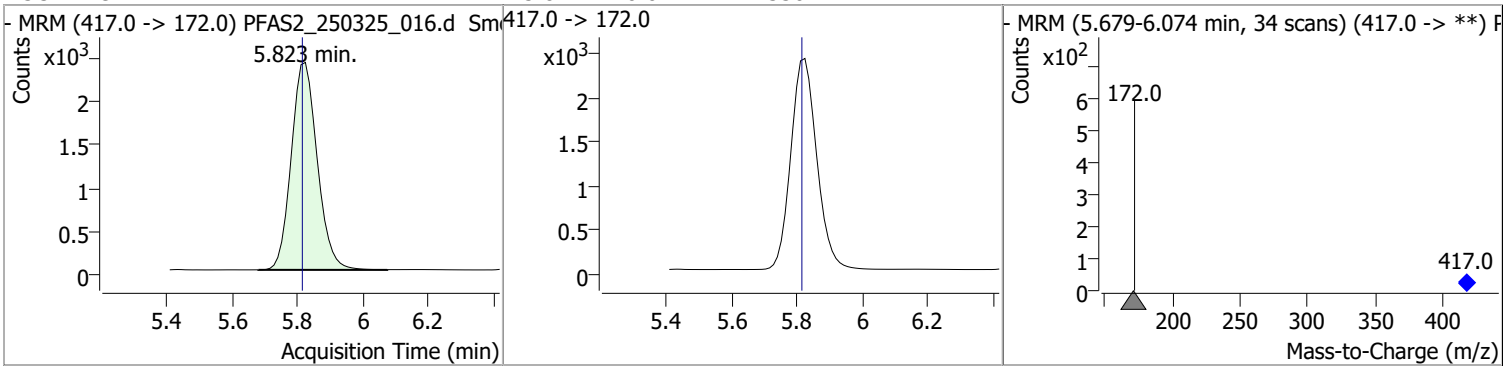
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1170	5.63	0.00	67	427.0 -> 81.0	11.7	17.7	32.8



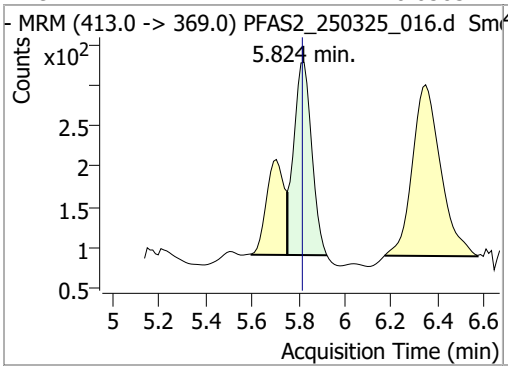
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4827	5.82	0.01	147678				

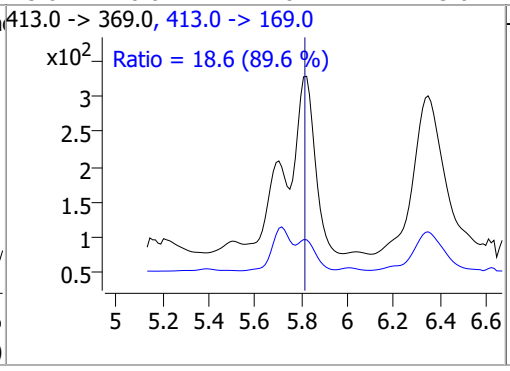


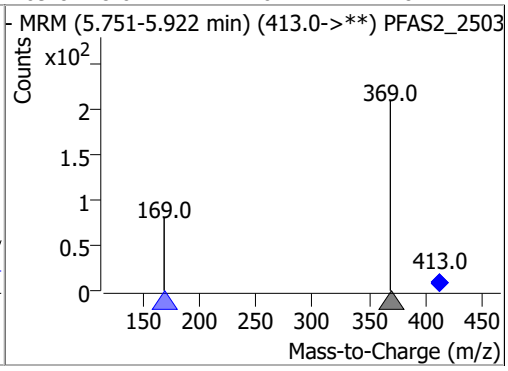
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13301				



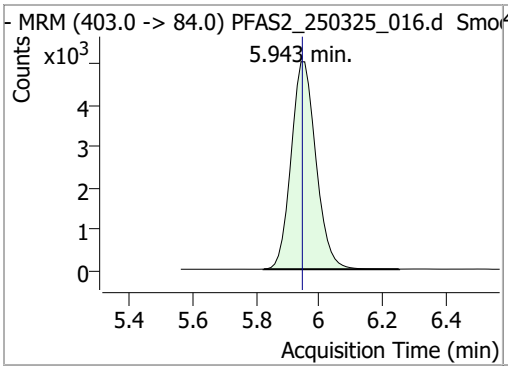
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0583	5.82	0.01	1284	413.0 -> 169.0	18.6	14.6	27.0

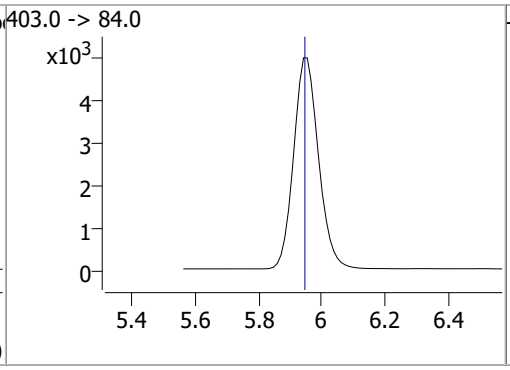


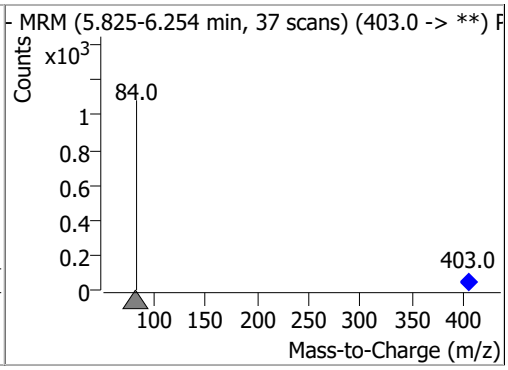




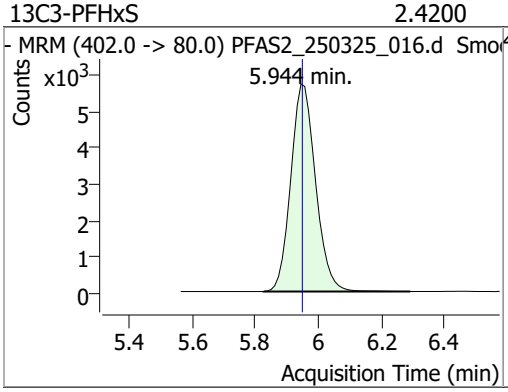
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	27284				

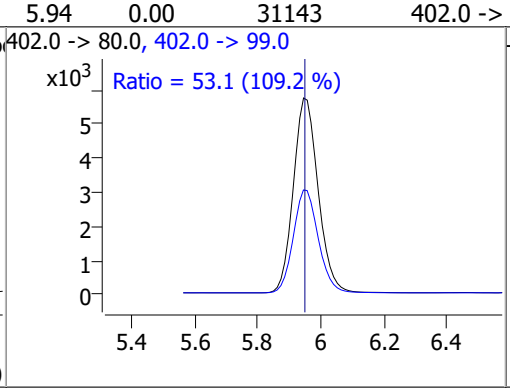


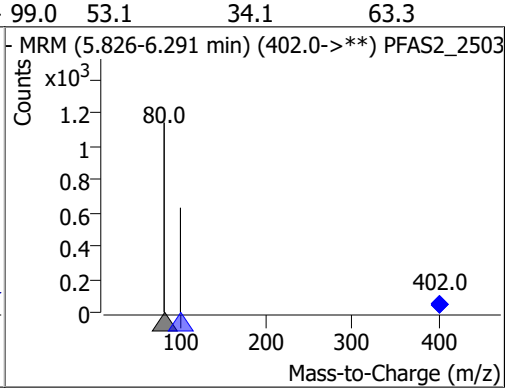




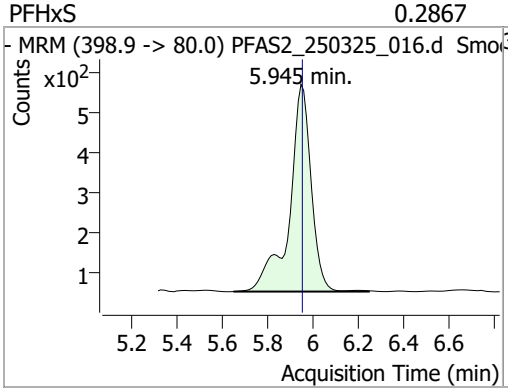
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4200	5.94	0.00	31143	402.0 -> 99.0	53.1	34.1	63.3

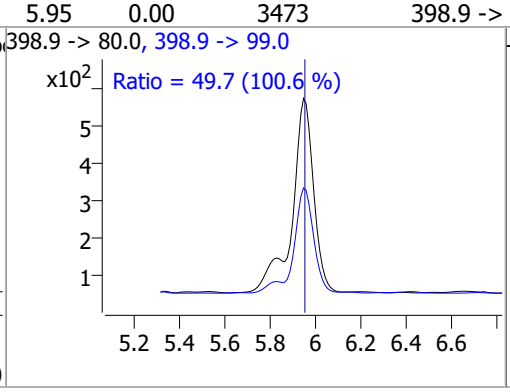


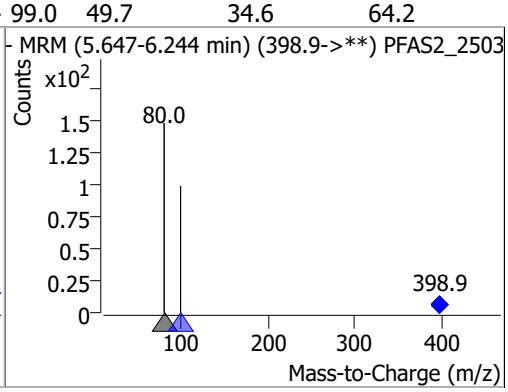




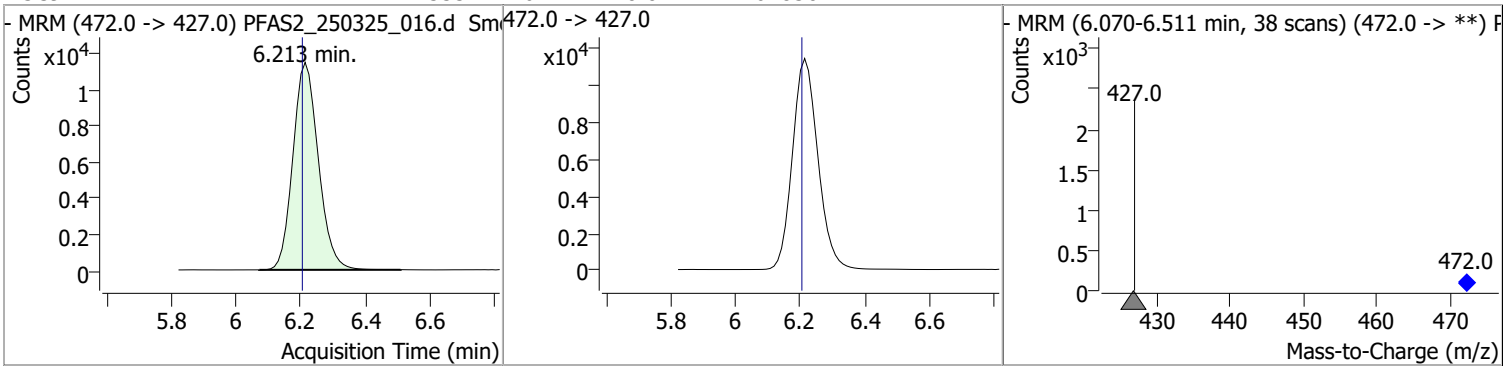
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.2867	5.95	0.00	3473	398.9 -> 99.0	49.7	34.6	64.2



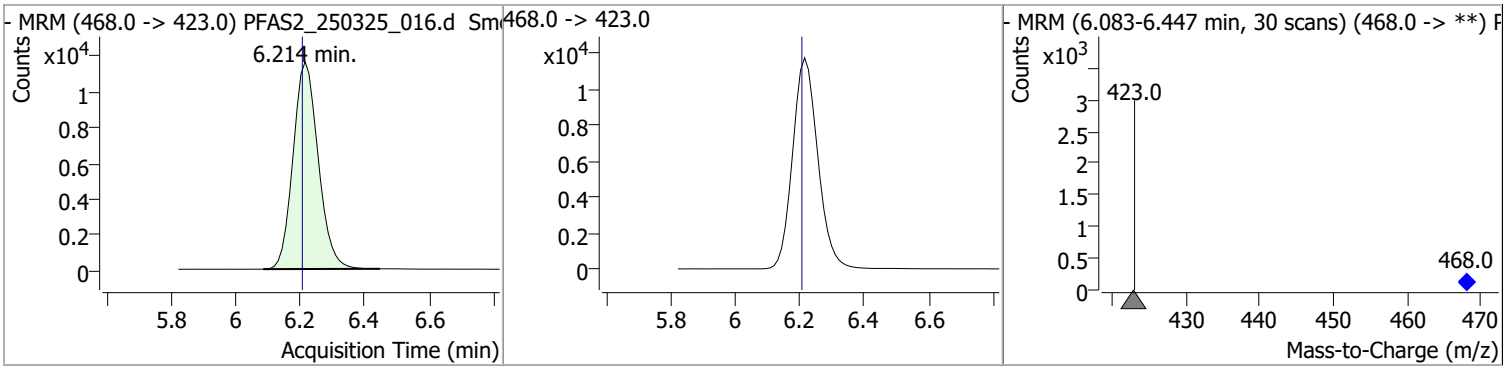




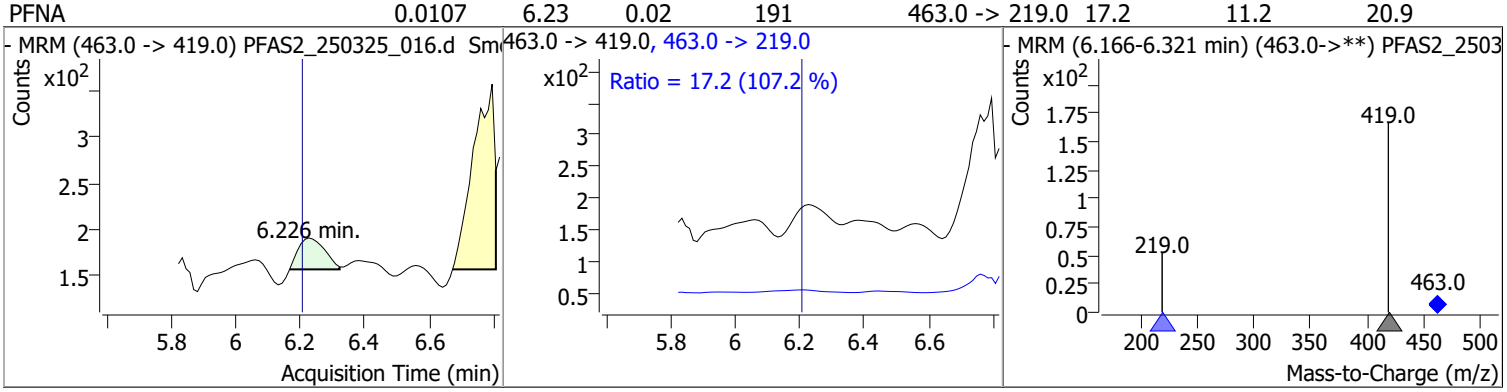
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2555	6.21	0.01	62830				



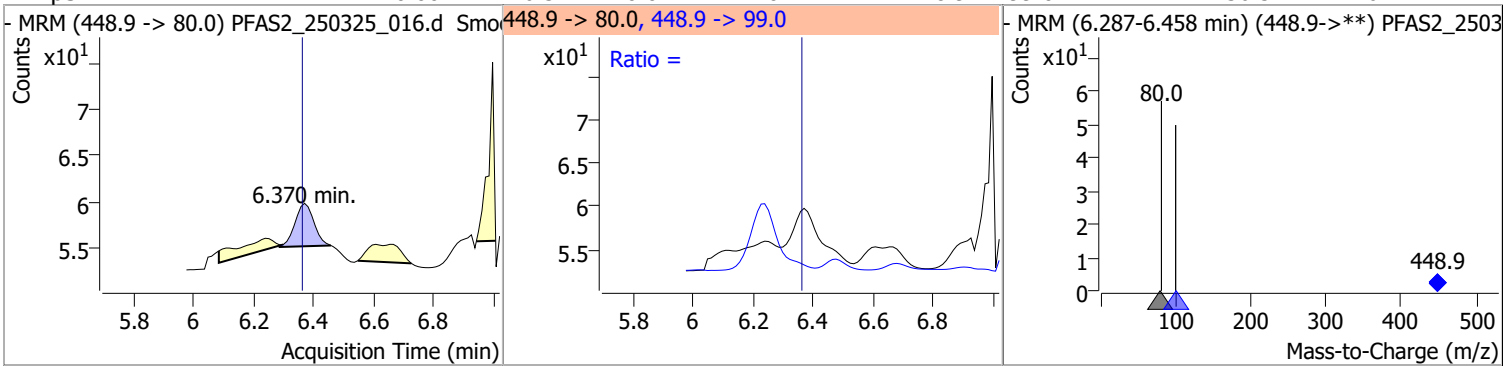
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	63156				



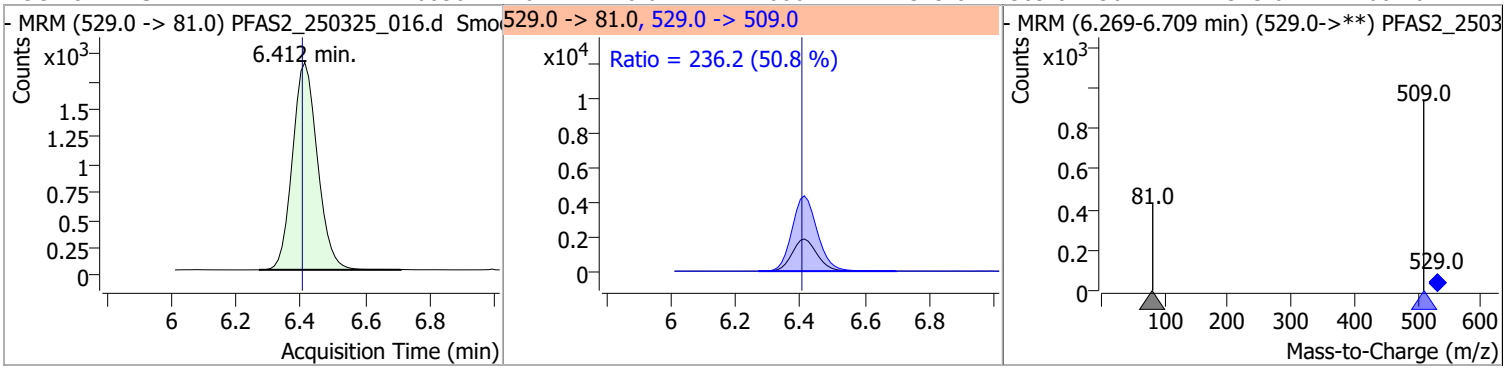
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0107	6.23	0.02	191	463.0 -> 219.0	17.2	11.2	20.9



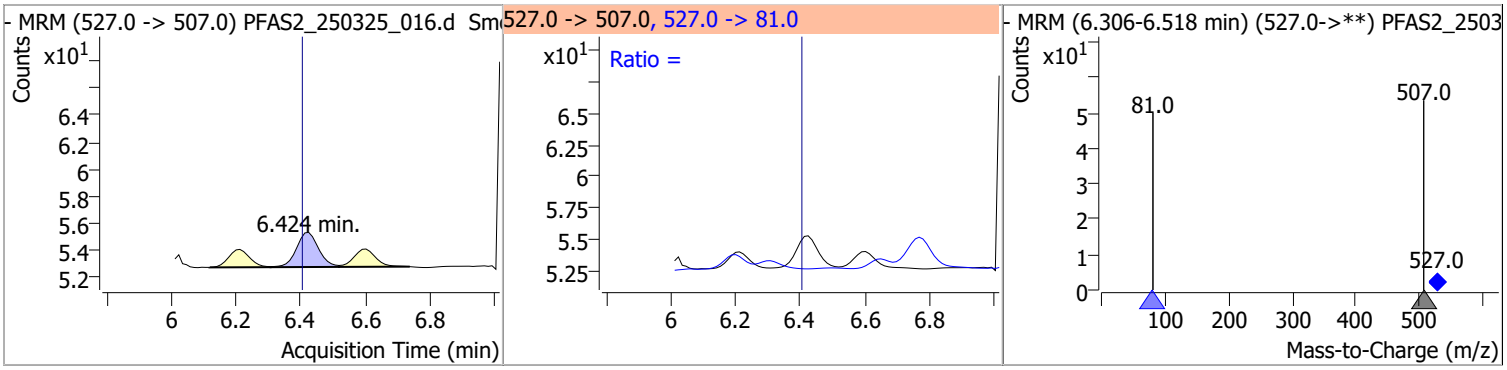
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0021	6.37	0.01	20	448.9 -> 99.0		36.5	67.7



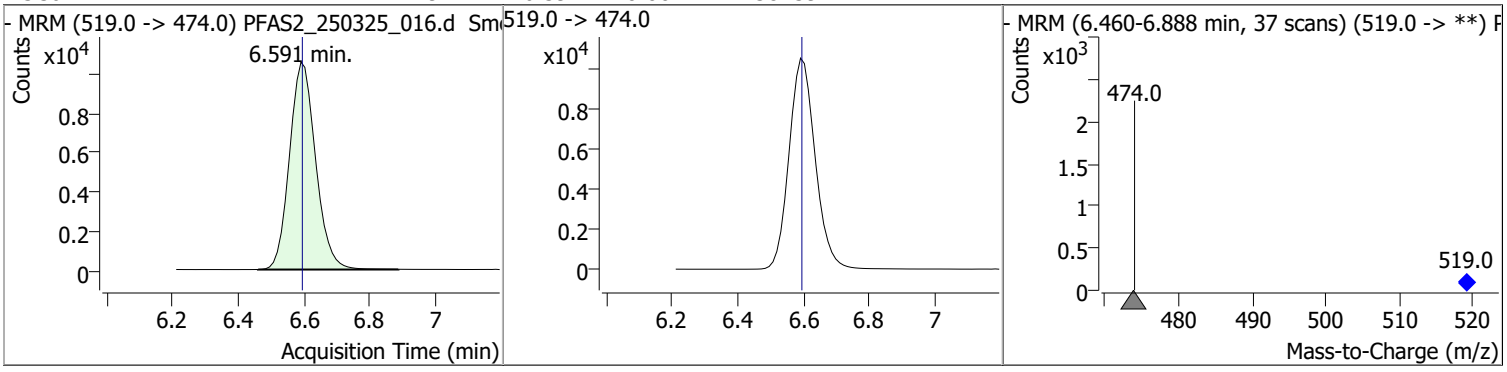
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.6056	6.41	0.01	10061	529.0 -> 509.0	236.2	325.6	604.6



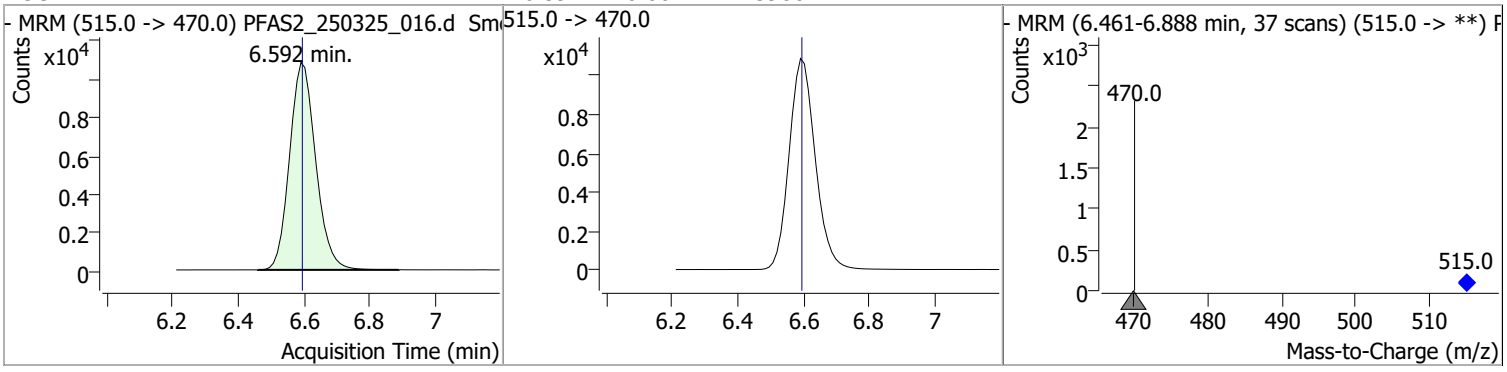
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0750	6.42	0.02	12	527.0 -> 81.0		19.7	36.6



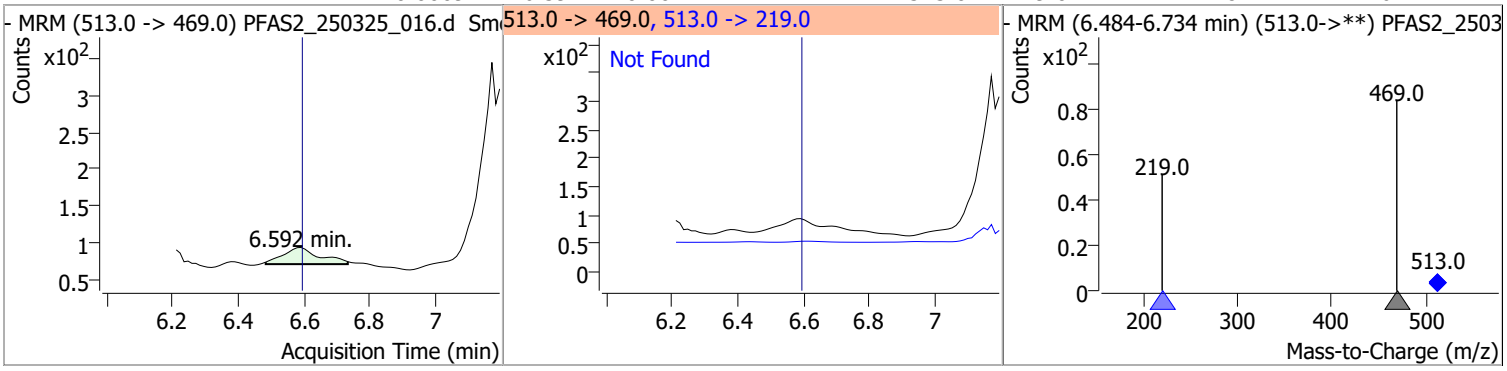
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1971	6.59	0.00	58259				



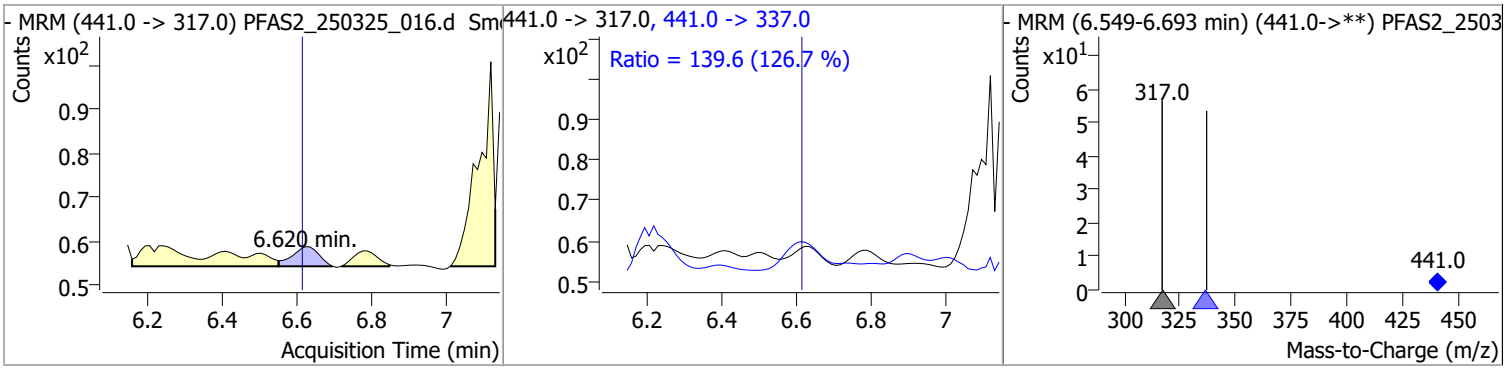
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59807				



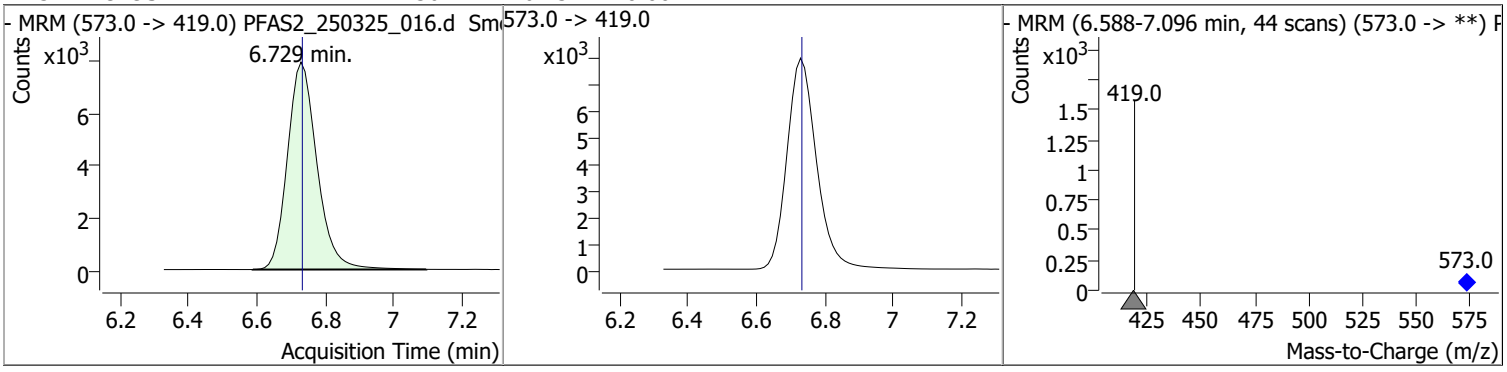
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0009	6.59	0.00	177	513.0 -> 219.0		8.7	16.2



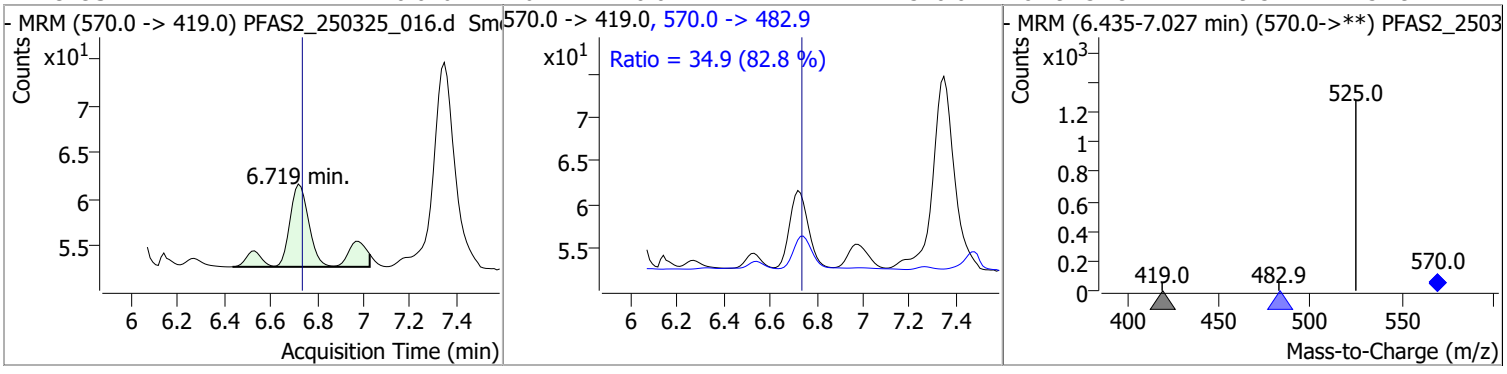
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2521	6.62	0.01	22	441.0 -> 337.0	139.6	77.1	143.3



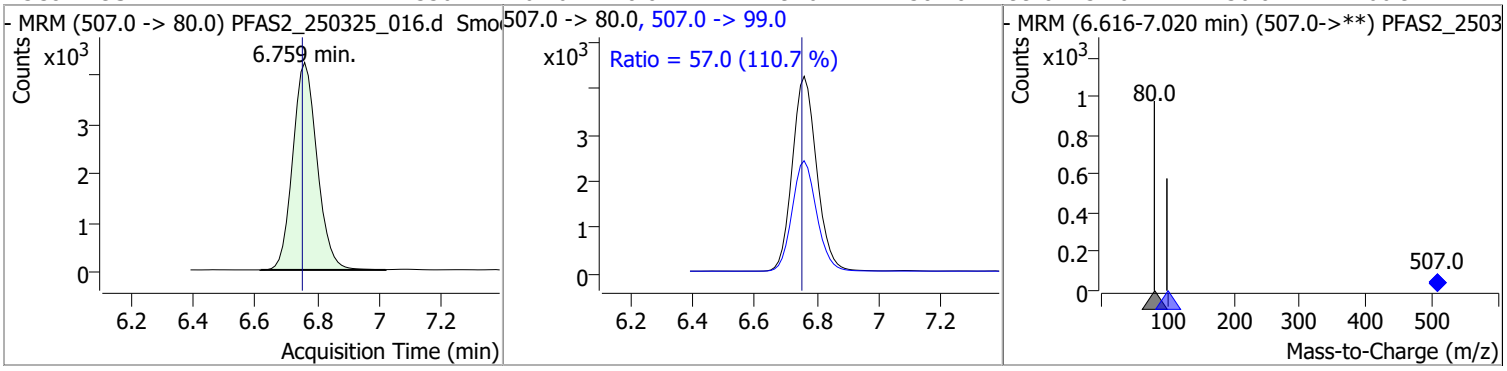
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.3624	6.73	0.00	47422				



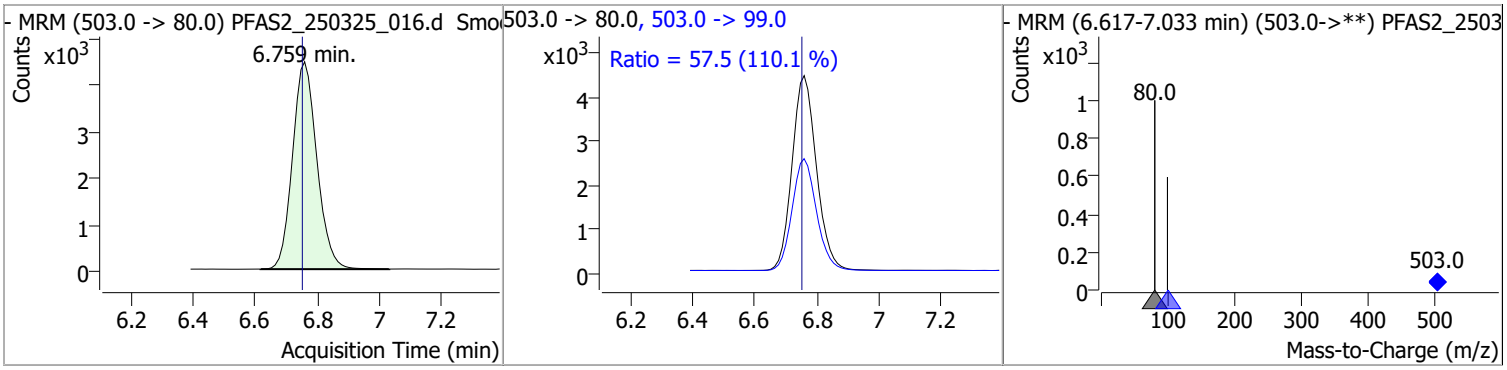
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0167	6.72	-0.01	72	570.0 -> 482.9	34.9	29.5	54.9



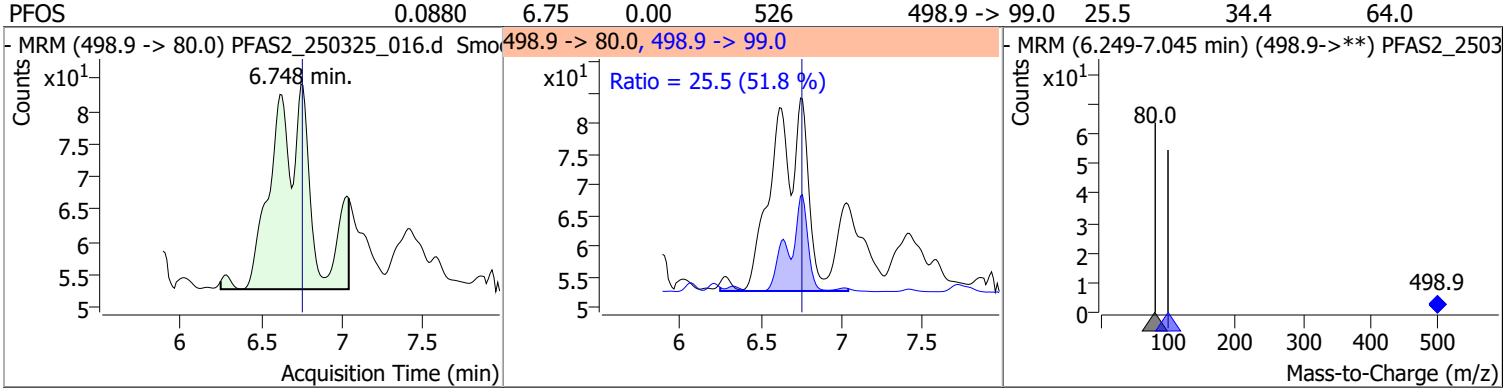
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3367	6.76	0.01	22976	507.0 -> 99.0	57.0	36.0	66.9



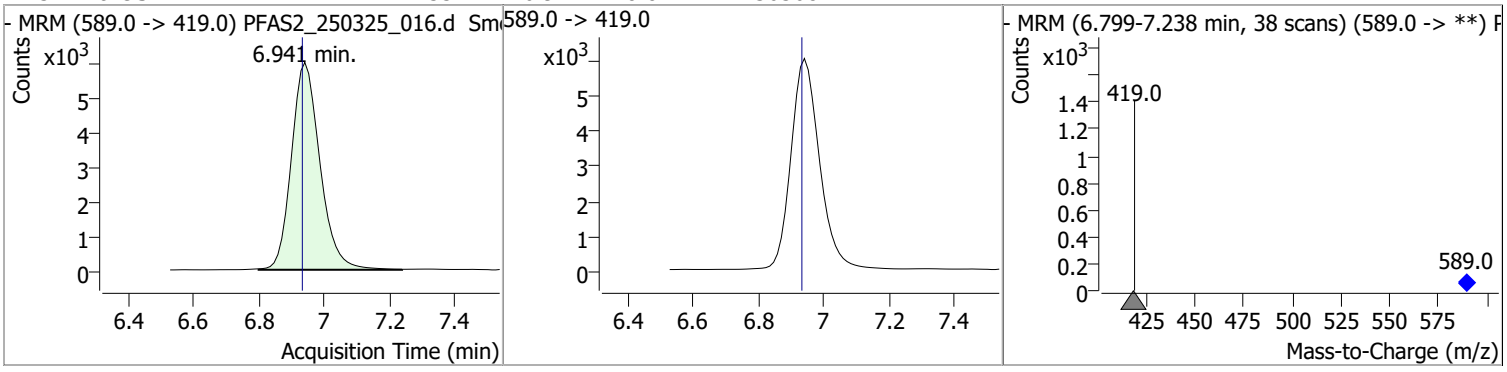
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	24227	503.0 -> 99.0	57.5	36.6	67.9



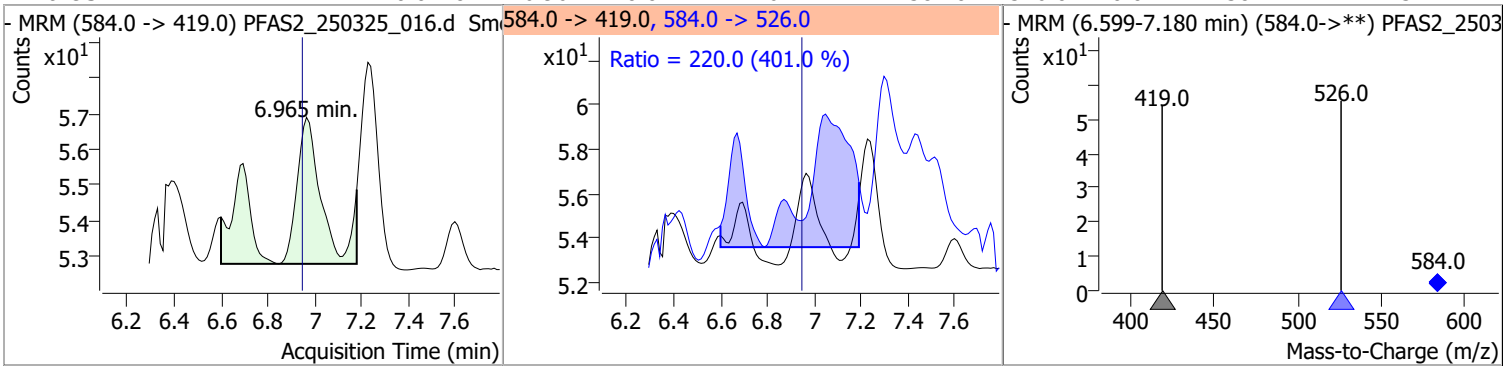
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0880	6.75	0.00	526	498.9 -> 99.0	25.5	34.4	64.0



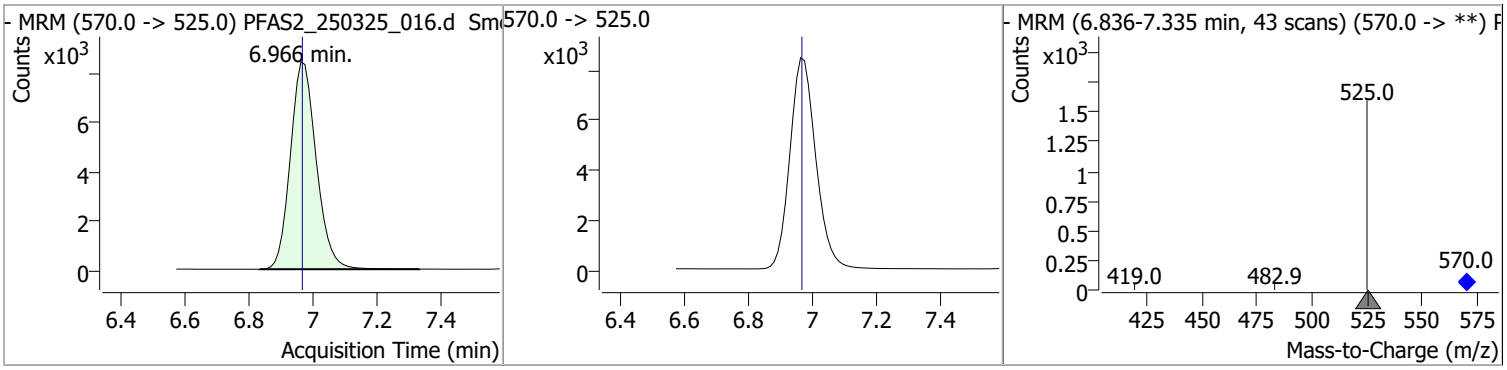
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.4557	6.94	0.01	36568				



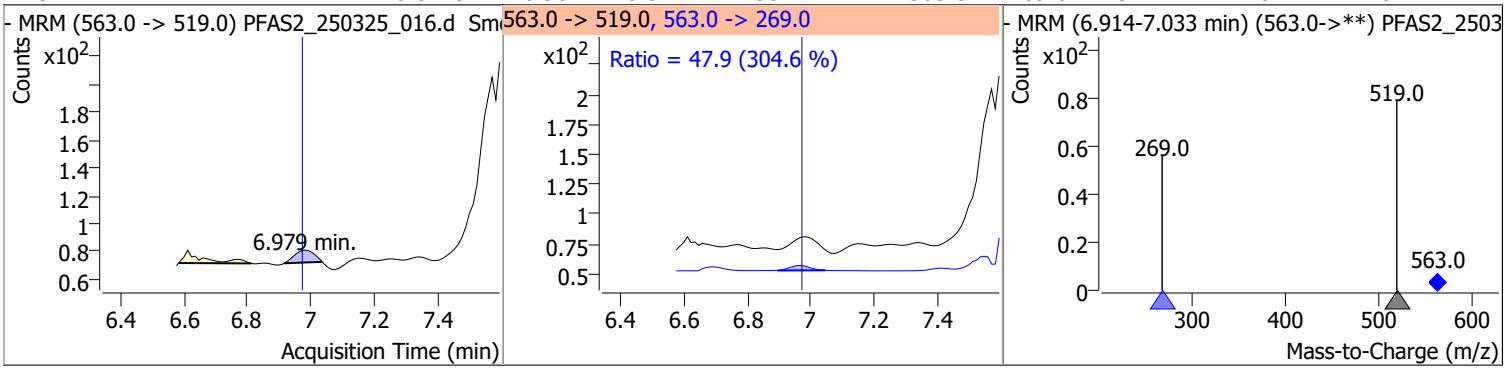
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0178	6.96	0.02	46	584.0 -> 526.0	220.0	38.4	71.3



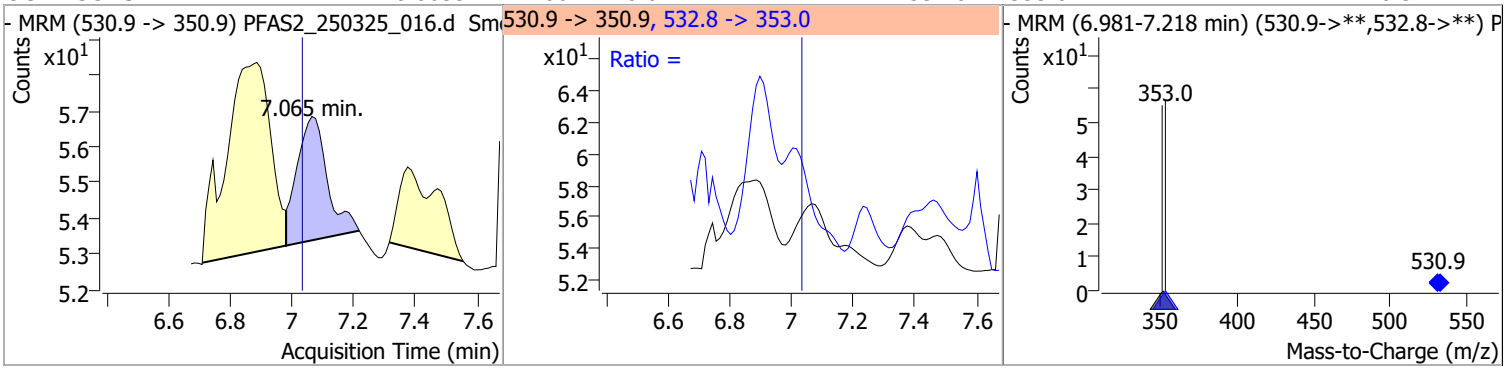
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2384	6.97	0.00	47498				



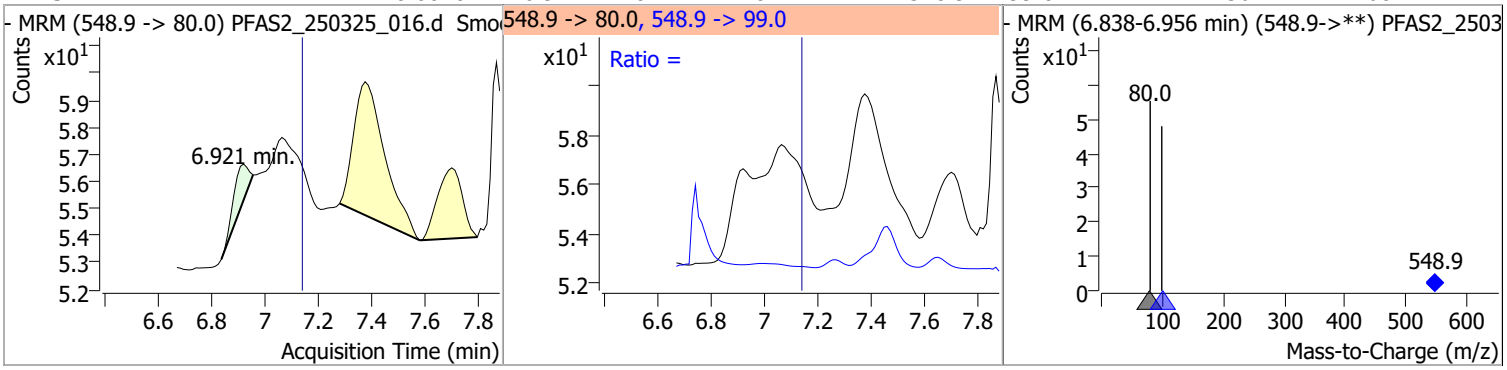
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0143	6.98	0.01	38	563.0 -> 269.0	47.9	11.0	20.4



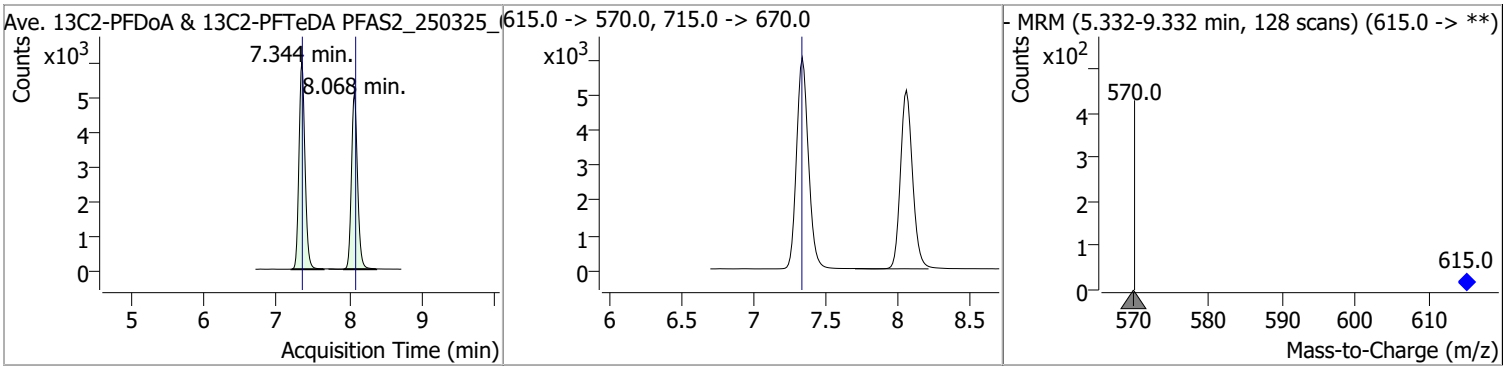
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0655	7.06	0.04	24	532.8 -> 353.0		21.7	40.3



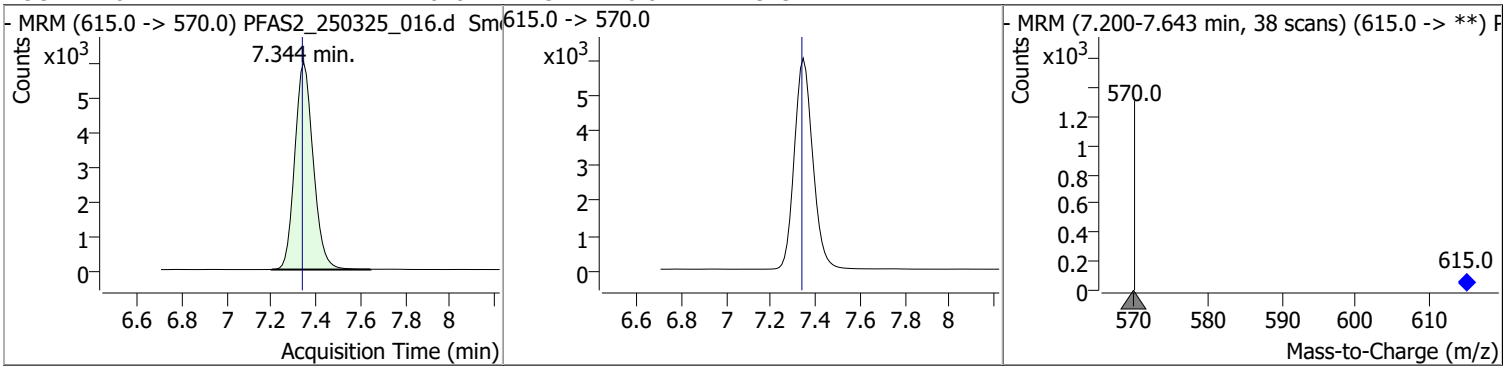
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0010	6.92	-0.21	8	548.9 -> 99.0		36.7	68.1



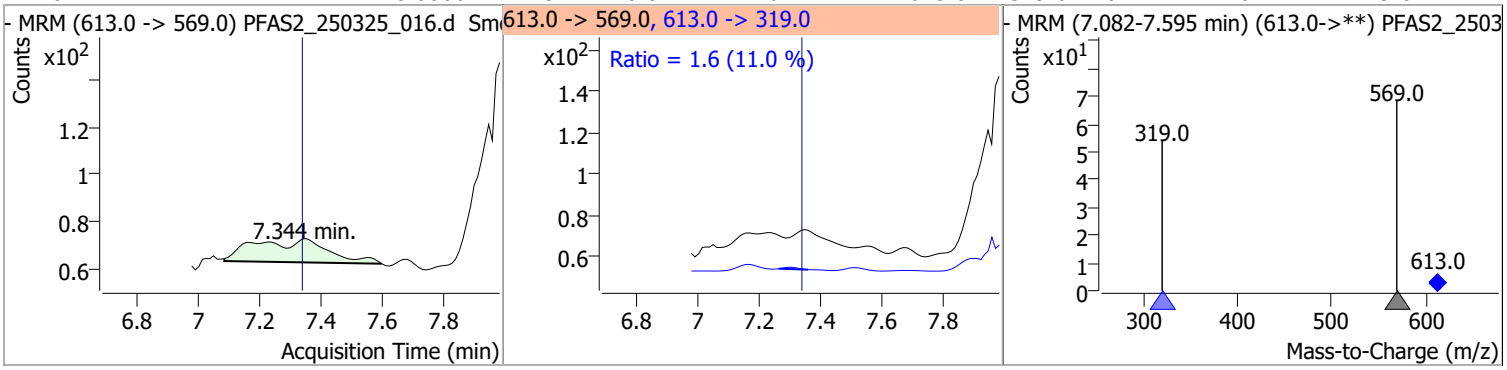
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0187	7.71	0.37	32204				



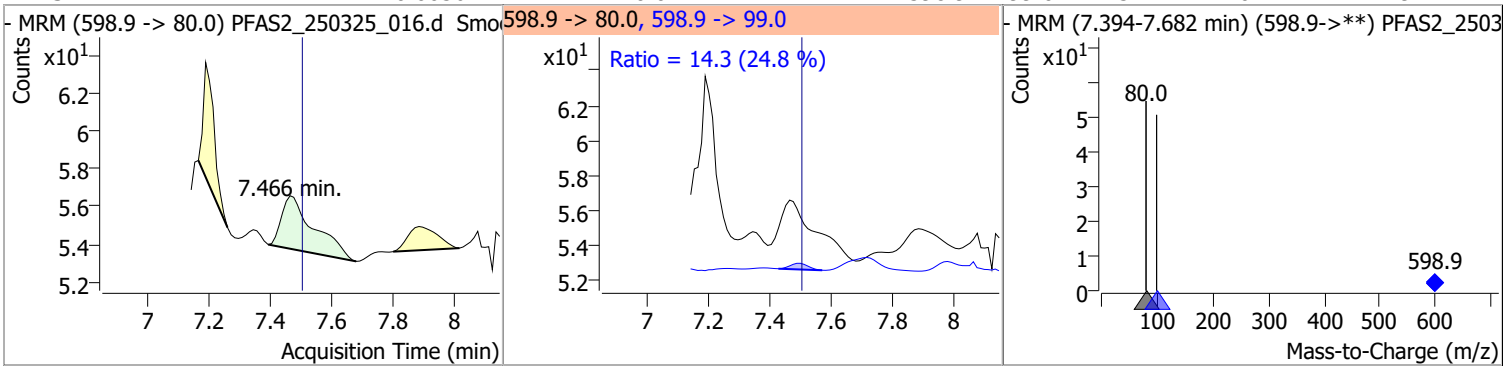
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2078	7.34	0.01	34512				



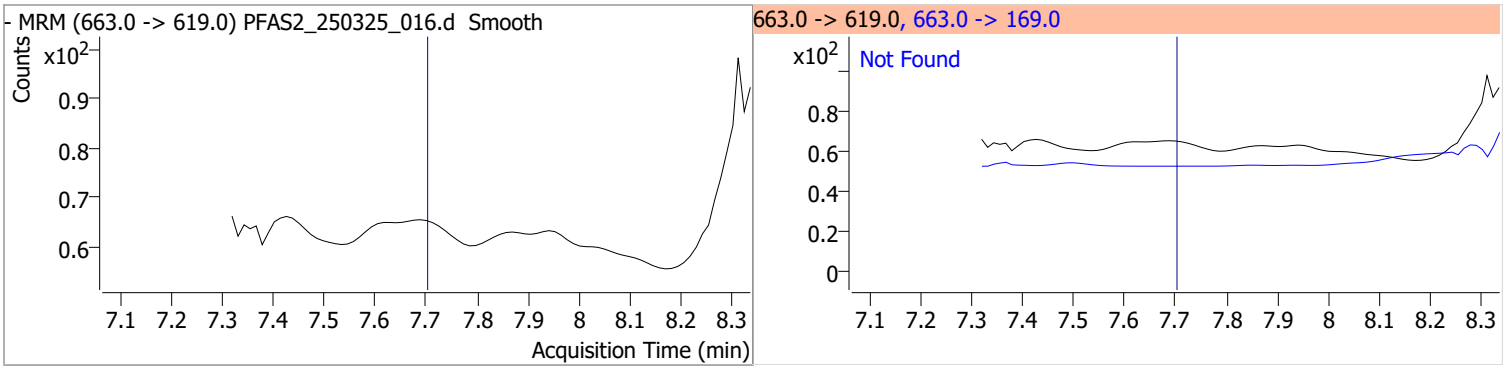
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0066	7.34	0.01	167	613.0 -> 319.0	1.6	10.2	19.0



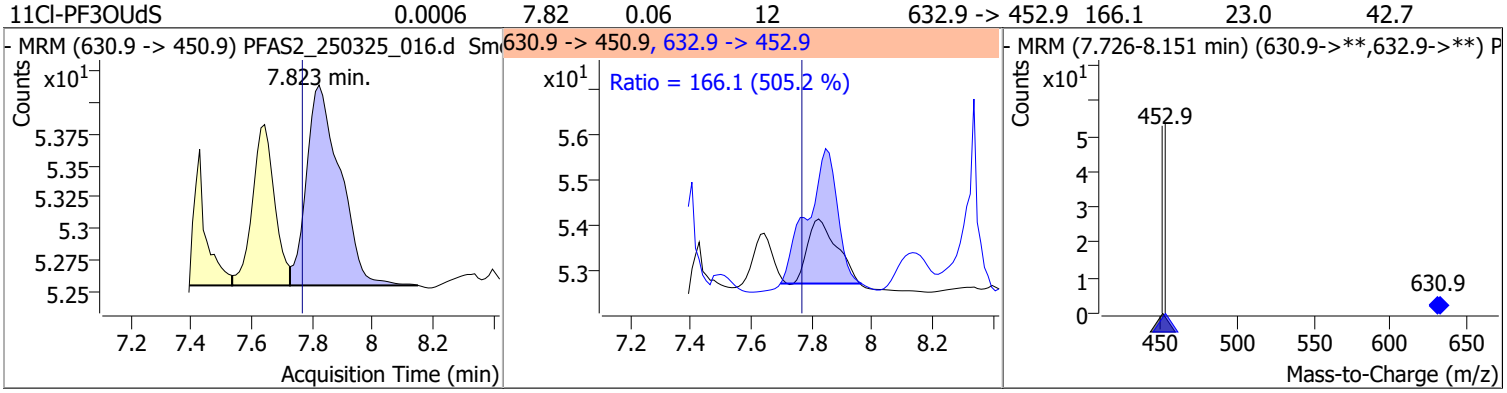
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0036	7.47	-0.04	21	598.9 -> 99.0	14.3	40.4	74.9



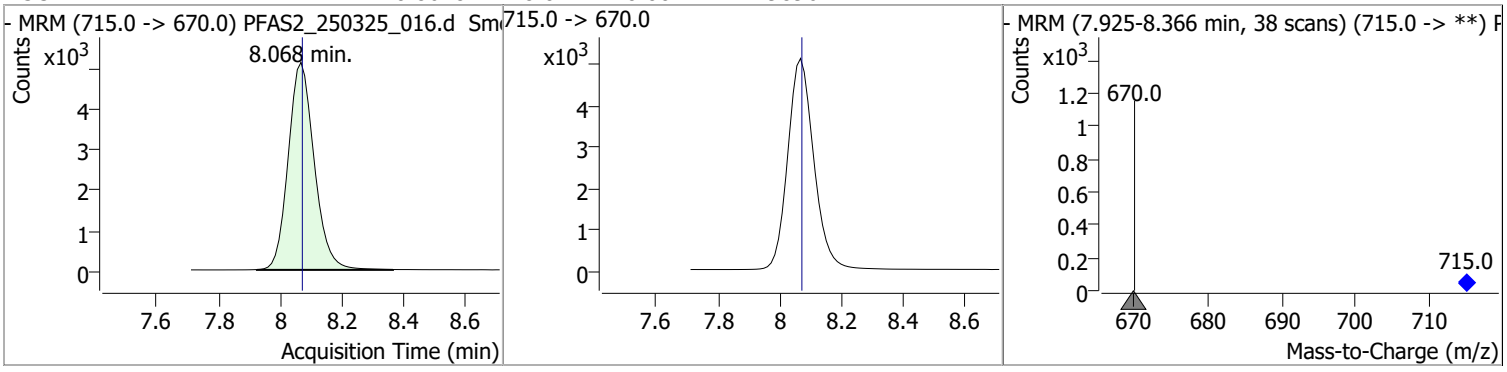
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.70	663.0 -> 169.0	10.3



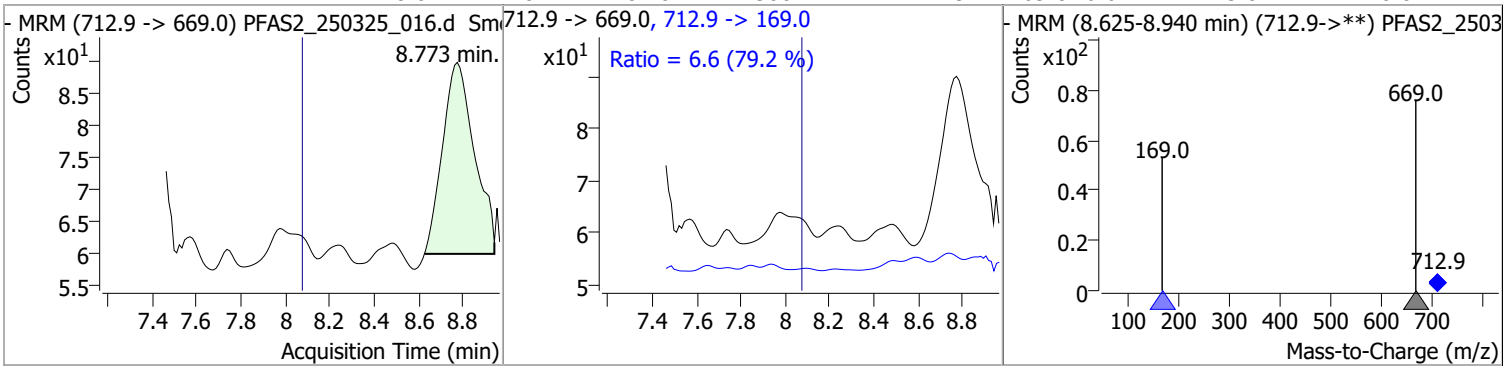
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0006	7.82	0.06	12	632.9 -> 452.9	166.1	23.0	42.7



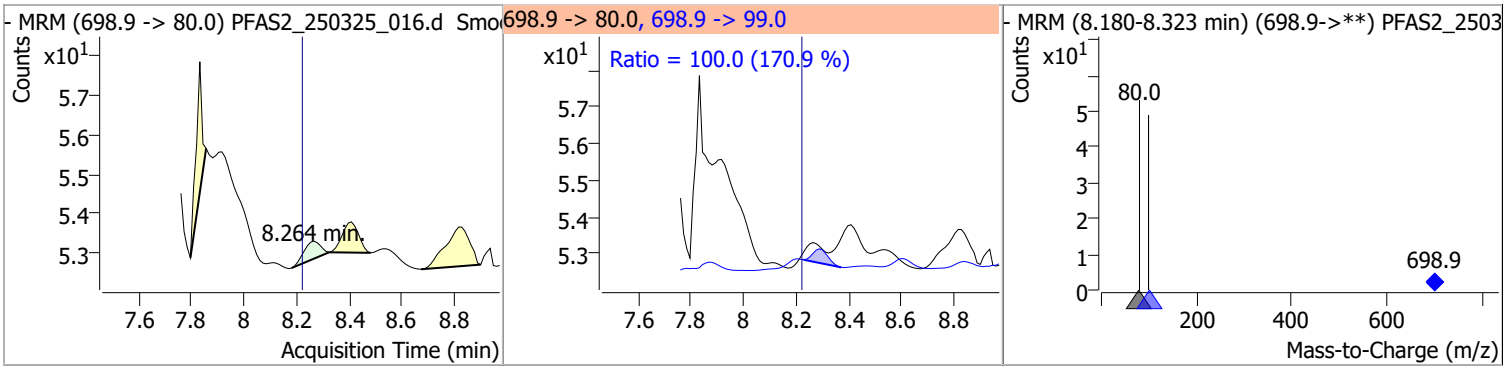
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8628	8.07	0.00	29896				



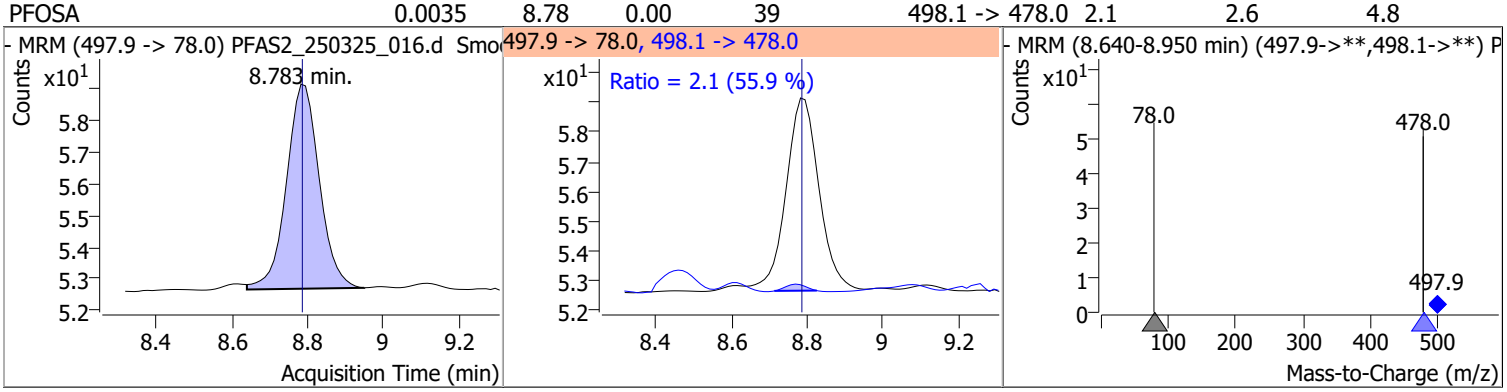
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0221	8.77	0.70	300	712.9 -> 169.0	6.6	5.8	10.8



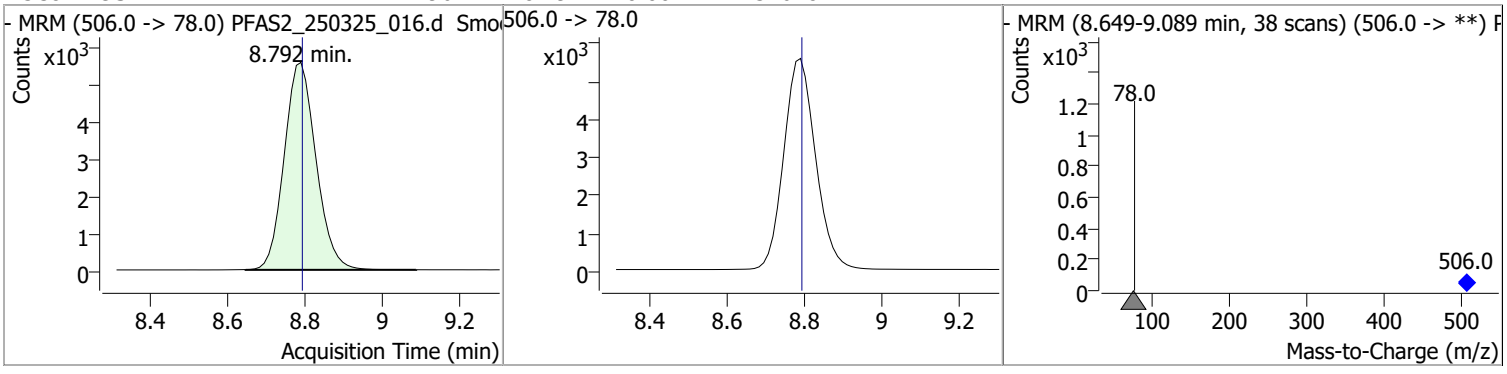
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0005	8.26	0.05	2	698.9 -> 99.0	100.0	41.0	76.1



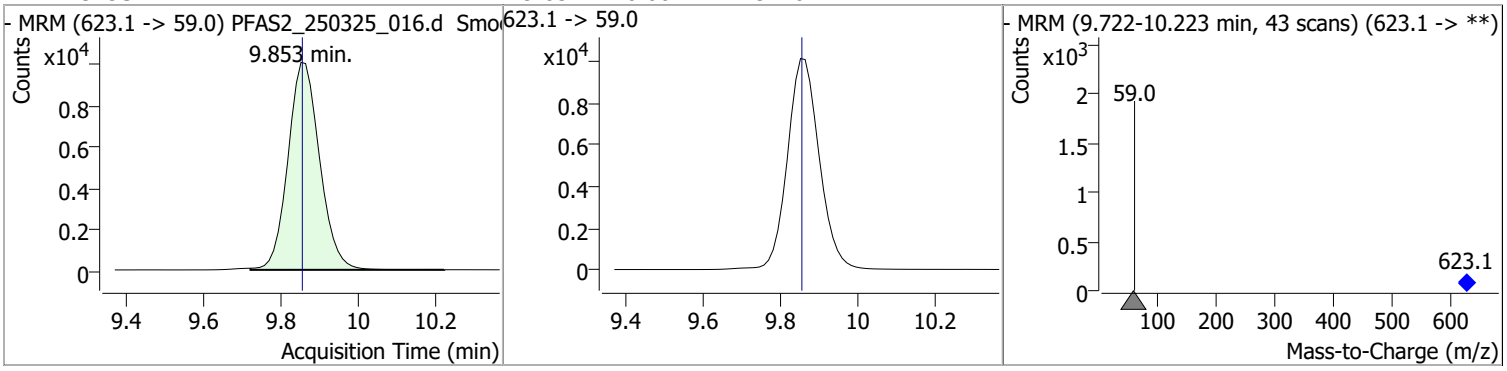
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0035	8.78	0.00	39	498.1 -> 478.0	2.1	2.6	4.8



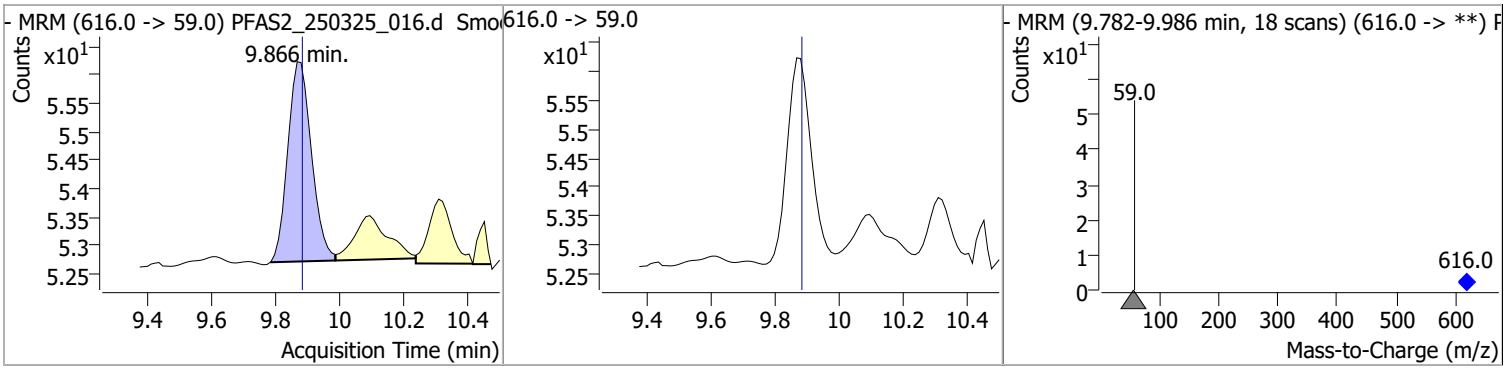
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1964	8.79	0.00	31648				



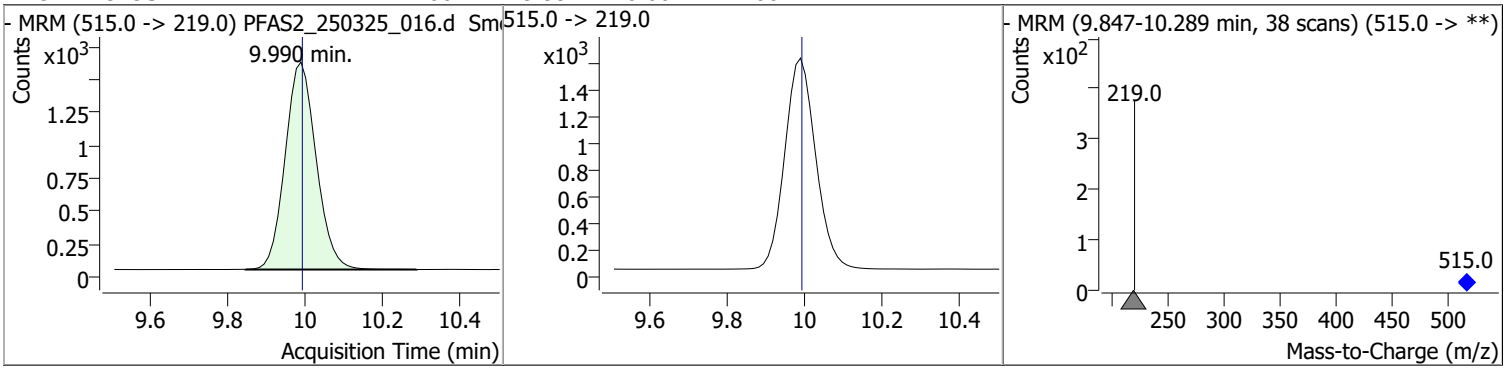
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	11.7272	9.85	0.00	57281				



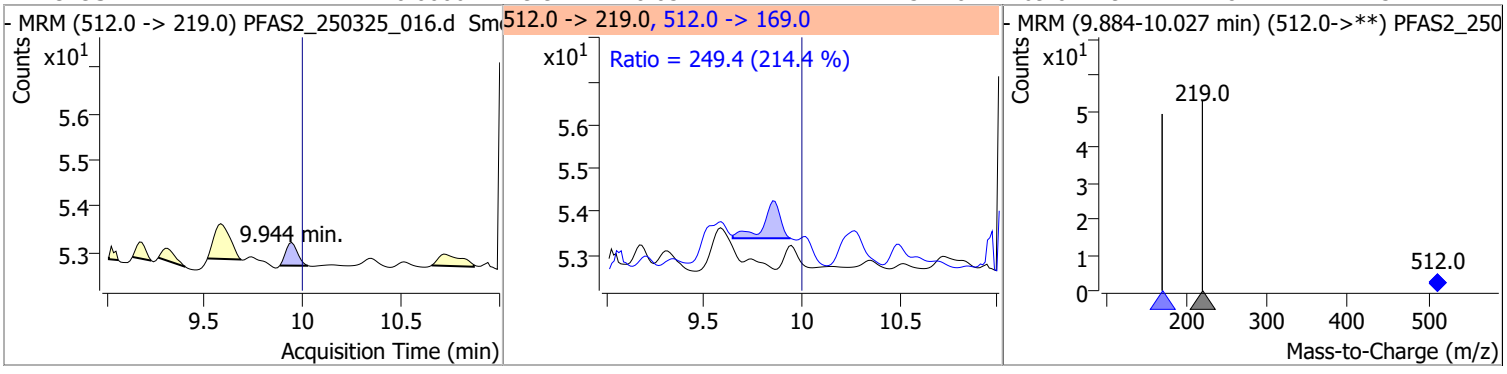
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.87	-0.01	18				



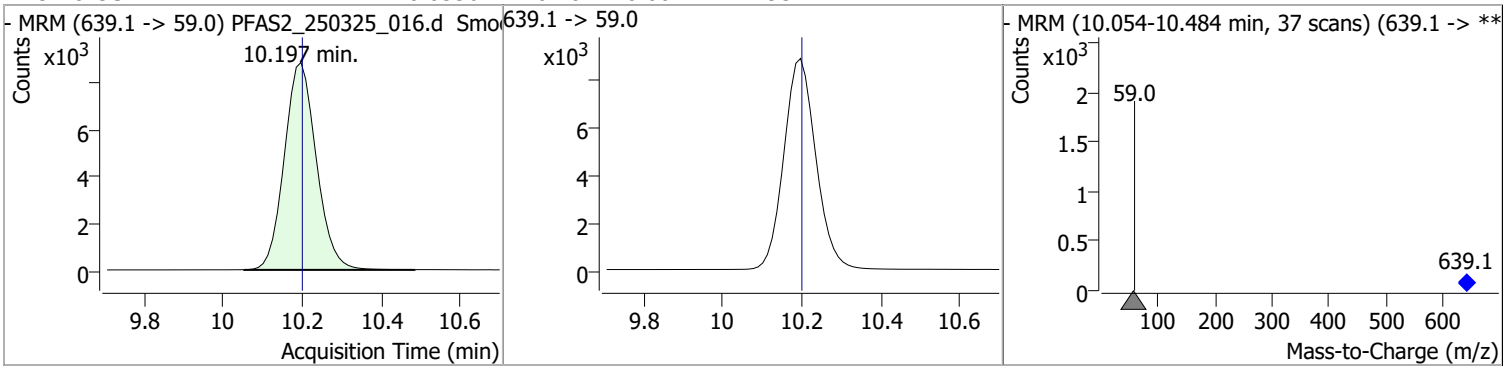
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1804	9.99	0.00	8817				



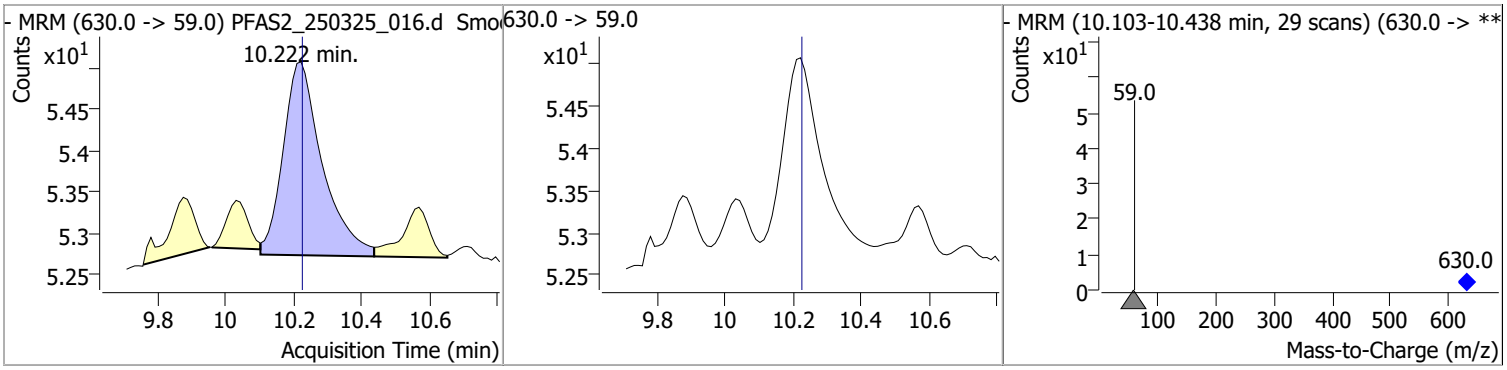
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0006	9.94	-0.05	2	512.0 -> 169.0	249.4	81.4	151.2



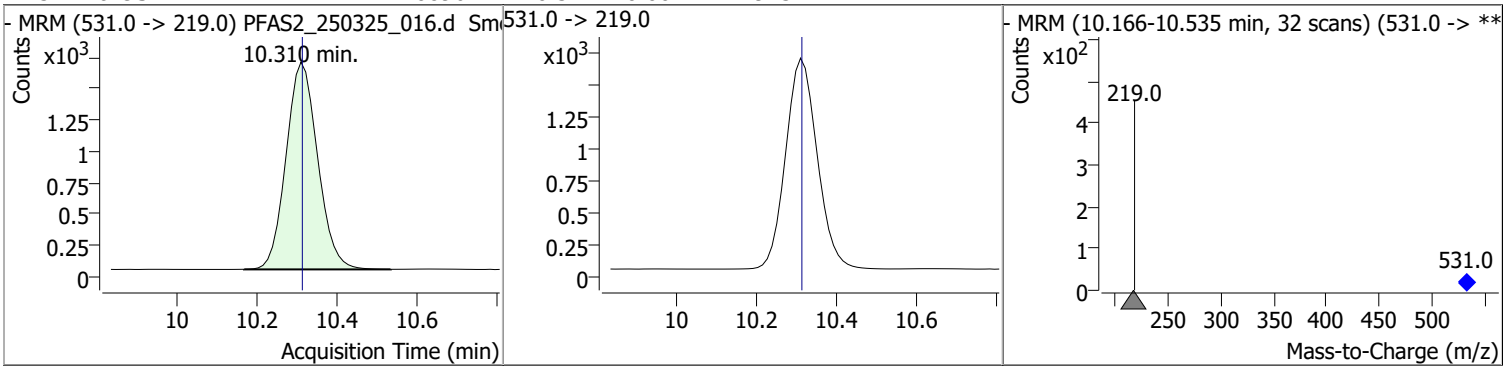
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0336	10.20	0.00	49517				



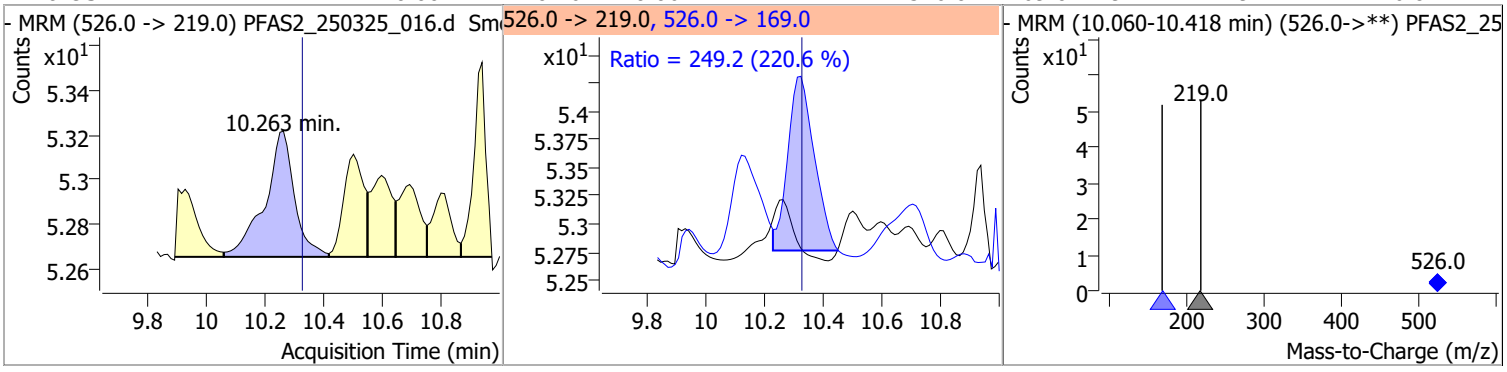
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0200	10.22	0.00	19				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0896	10.31	0.00	9137				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0011	10.26	-0.06	4	526.0 -> 169.0	249.2	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW30C-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-04	File ID:	PFAS2_250325_017.d
Sampled:	03/12/25 13:50	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:31
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	498.2858 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	22.4	0.48	3.21	6.42	
2706-90-3	PFPeA	15.8	0.14	1.61	3.21	
307-24-4	PFHxA	7.40	0.13	0.80	1.61	
375-85-9	PFHpA	2.83	0.16	0.80	1.61	
335-67-1	PFOA	3.51	0.12	0.80	1.61	
375-95-1	PFNA	0.85	0.09	0.80	1.61	J
335-76-2	PFDA	0.45	0.13	0.80	1.61	J
2058-94-8	PFUnA		0.19	0.80	1.61	U
307-55-1	PFDoA		0.11	0.80	1.61	U
72629-94-8	PFTrDA		0.07	0.80	1.61	U
376-06-7	PFTeDA		0.12	0.80	1.61	U
375-73-5	PFBS	2.36	0.19	0.71	1.42	
2706-91-4	PFPeS	0.59	0.21	0.76	1.52	J
355-46-4	PFHxS	1.21	0.23	0.73	1.47	J
375-92-8	PFHpS		0.41	0.76	1.53	U
1763-23-1	PFOS	1.47	0.22	0.93	1.87	J
68259-12-1	PFNS		0.20	0.77	1.55	U
335-77-3	PFDS		0.14	0.77	1.55	U
79780-39-5	PFDoS		0.08	0.78	1.56	U
757124-72-4	4:2FTS		0.41	3.01	6.02	U, Q
27619-97-2	6:2FTS		2.78	3.05	6.10	U
39108-34-4	8:2FTS		0.61	3.08	6.16	U
754-91-6	PFOSA		0.10	0.80	1.61	U
31506-32-8	NMeFOSA		0.26	0.80	1.61	U
4151-50-2	NEtFOSA		0.31	0.80	1.61	U
2355-31-9	NMeFOSAA		0.44	0.80	1.61	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

MW30C-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-04	File ID:	PFAS2_250325_017.d
Sampled:	03/12/25 13:50	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:31
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	498.2858 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.80	1.61	U
24448-09-7	NMeFOSE		1.01	8.03	16.1	U
1691-99-2	NEtFOSE		1.26	8.03	16.1	U
13252-13-6	HFPO-DA		0.41	1.61	3.21	U
919005-14-4	ADONA		0.15	1.52	3.03	U
756426-58-1	9CL-PF3ONS		0.18	1.50	3.00	U
763051-92-9	11CL-PF3OUdS		0.31	1.52	3.03	U
356-02-5	3:3FTCA		0.66	3.21	6.42	U
914637-49-3	5:3FTCA		3.67	16.1	32.1	U
812-70-4	7:3FTCA		3.07	16.1	32.1	U
113507-82-7	PFEESA		0.17	1.43	2.86	U
377-73-1	PFMPA	0.70	0.11	1.61	3.21	J
863090-89-5	PFMBA	0.37	0.12	1.61	3.21	J
151772-58-6	NFDHA		0.45	1.61	3.21	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_017.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:31:23 PM
Sample Name	O25C0608-04	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

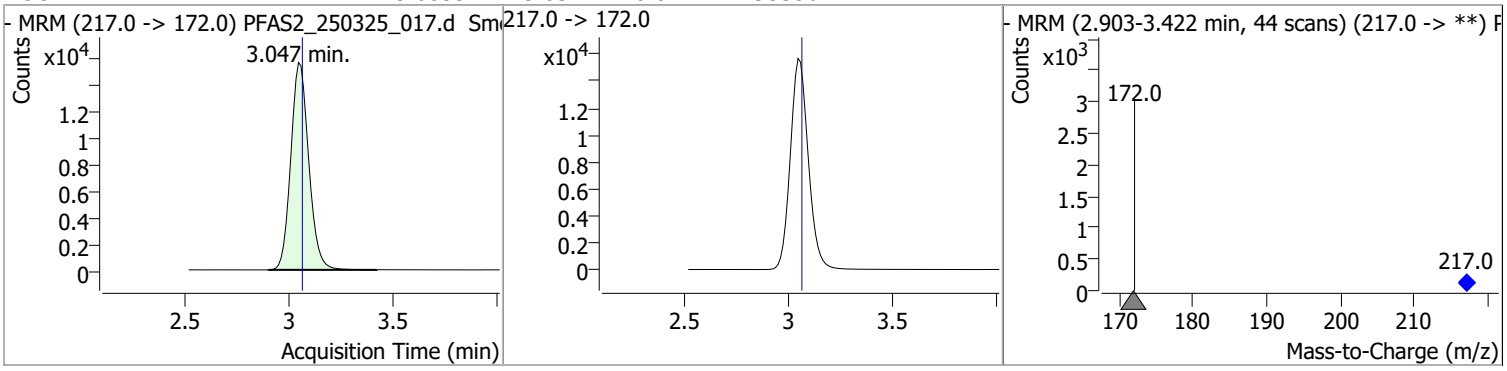
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	111472	5.0000	µg/L		-18.540
13C2-PFHxA	4.890	315.0 -> 270.0	128194	2.5000	µg/L		-16.445
18O2-PFHxS	5.943	403.0 -> 84.0	27191	2.5000	µg/L		-8.232
13C4-PFOA	5.810	417.0 -> 172.0	13915	2.5000	µg/L		-9.920
13C5-PFNA	6.214	468.0 -> 423.0	67142	1.2500	µg/L		-5.663
13C2-PFDA	6.592	515.0 -> 470.0	62957	1.2500	µg/L		-5.860
13C4-PFOS	6.759	503.0 -> 80.0	23446	2.5000	µg/L		-5.874
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	93356	10.0000	µg/L		-69.966
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 36.85%			
13C5-PFPeA	4.222	268.0 -> 223.0	168136	5.0000	µg/L		-18.743
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	168136	5.0000	µg/L		-18.743
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.26%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	39637	5.0000	µg/L	#	56.886
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 171.65%		*	
13C5-PFHxA	4.889	318.0 -> 273.0	135018	2.5000	µg/L		-20.034
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.68%			
13C5-PFHxA	4.889	318.0 -> 273.0	135018	2.5000	µg/L		-20.034
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.68%			
13C3-PFBS	4.929	302.0 -> 80.0	50728	2.5000	µg/L		-16.460
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.13%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	154357	10.0000	µg/L		-11.680
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 105.70%			
13C4-PFHpA	5.385	367.0 -> 322.0	163901	2.5000	µg/L		-13.228
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.88%			
13C3-PFHxS	5.944	402.0 -> 80.0	30827	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	18086	5.0000	µg/L	#	22.461
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 133.59%			
13C8-PFOA	5.809	421.0 -> 376.0	153424	2.5000	µg/L		-11.182
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.62%			
13C3-PFHxS	5.944	402.0 -> 80.0	30827	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C9-PFNA	6.213	472.0 -> 427.0	63066	1.2500	µg/L		-10.499
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.83%			
13C8-PFOS	6.759	507.0 -> 80.0	22628	2.5000	µg/L		-10.503
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.12%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11913	5.0000	µg/L	#	0.566
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.45%			
13C6-PFDA	6.591	519.0 -> 474.0	64095	1.2500	µg/L		-5.688
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.09%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51339	5.0000	µg/L		-8.026
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.60%			
13C8-PFOS	6.759	507.0 -> 80.0	22628	2.5000	µg/L		-10.503

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.12%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	39075	5.0000	µg/L		-7.338
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.40%			
13C7-PFUnDA	6.966	570.0 -> 525.0	51047	1.2500	µg/L		-4.768
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.15%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	36990	1.2500	µg/L		-16.151
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.92%			
13C2-PFDoDA	7.344	615.0 -> 570.0	39259	1.2500	µg/L		-1.717
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.41%			
13C2-PFTDA	8.068	715.0 -> 670.0	34721	1.2500	µg/L		-28.092
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.15%			
13C8-PFOSA	8.792	506.0 -> 78.0	34324	2.5000	µg/L		-7.135
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.46%			
13C8-PFOSA	8.792	506.0 -> 78.0	34324	2.5000	µg/L		-7.135
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.46%			
2H7-MeFOSE	9.853	623.1 -> 59.0	53614	25.0000	µg/L		-57.328
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 45.37%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8210	2.5000	µg/L		-20.820
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.92%			
2H9-EtFOSE	10.197	639.1 -> 59.0	44589	25.0000	µg/L		-29.791
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 74.56%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9308	2.5000	µg/L		-17.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.98%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	17612	2.2298	µg/L		100
PFMPA	3.602	229.0 -> 85.0	234	0.0694	µg/L		100
3-3 FTCA	3.718	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	48295	1.5746	µg/L		100
PFMBA	4.453	279.0 -> 85.0	81	0.0371	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	0.000		0	N.D.			
PFHxA	4.892	313.0 -> 269.0	35636	0.7376	µg/L		99
PFBS	4.930	298.9 -> 80.0	4946	0.2350	µg/L		92
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	0.000		0	N.D.			
PFHpA	5.386	363.0 -> 319.0	16526	0.2818	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	976	0.0587	µg/L	#	78
DONA	6.064	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.810	413.0 -> 369.0	19071	0.3497	µg/L		100
PFHxS	5.945	398.9 -> 80.0	1452	0.1211	µg/L		99
PFNA	6.214	463.0 -> 419.0	3845	0.0849	µg/L		94
PFHpS	6.358	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.592	513.0 -> 469.0	2242	0.0446	µg/L	#	89
7-3 FTCA	6.620	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	1051	0.1464	µg/L		94
N-EtFOSAA	6.776	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.160	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.064	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.332	613.0 -> 569.0	0	0.0000	µg/L	md	

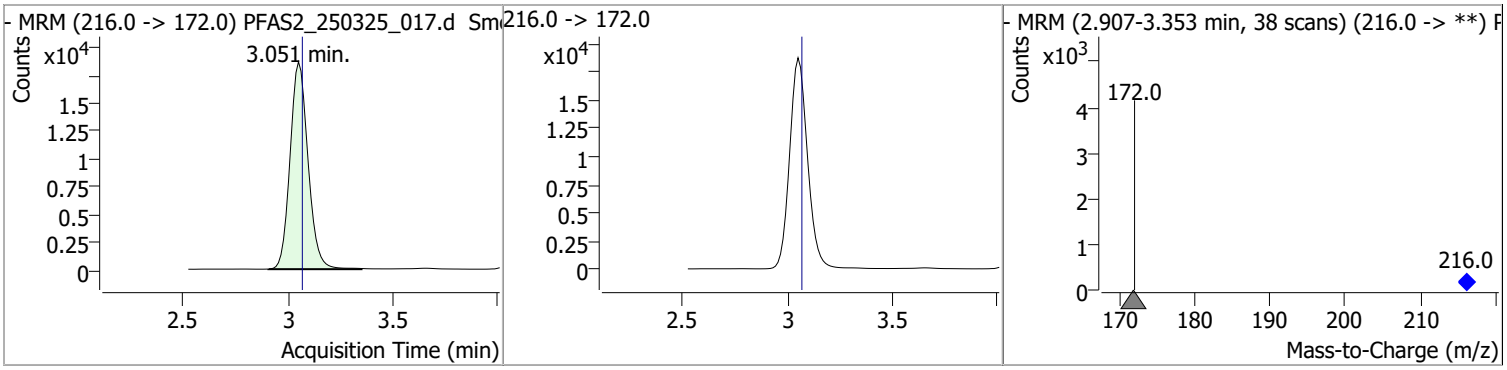
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.525	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.629	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.775	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.069	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.216	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	66	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	52	0.0421	µg/L		100
N-EtFOSA	10.335	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

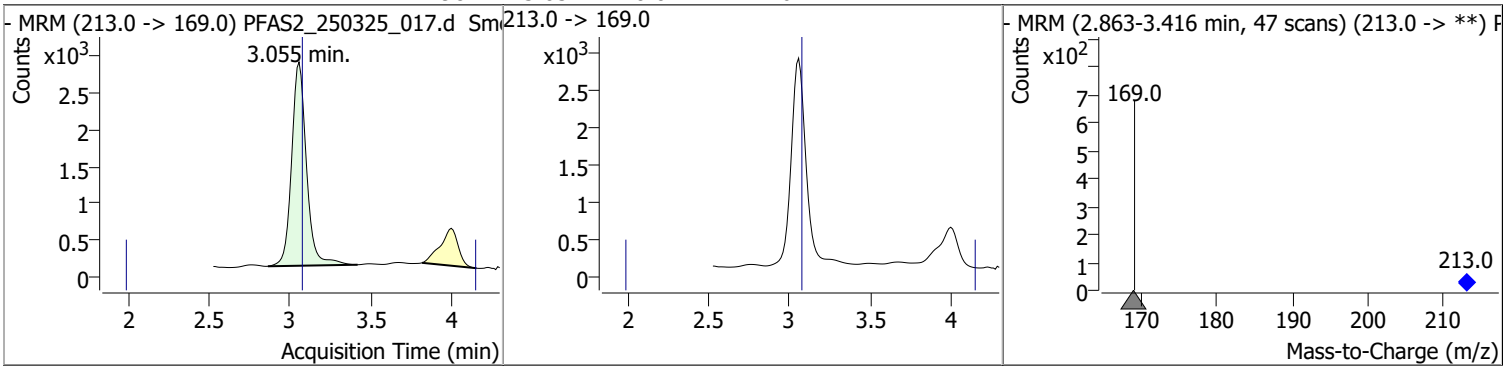
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	3.6853	3.05	-0.01	93356				



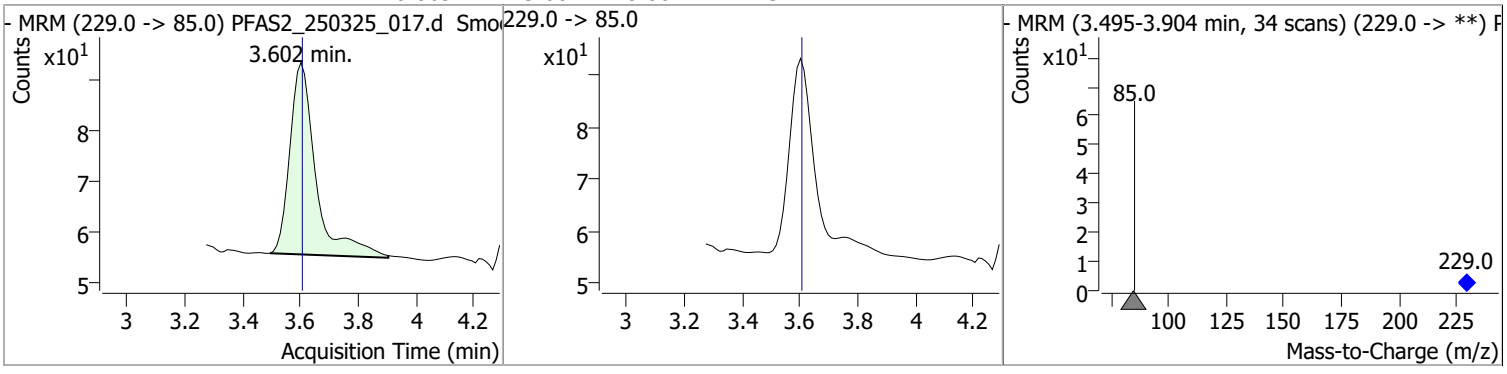
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	111472				



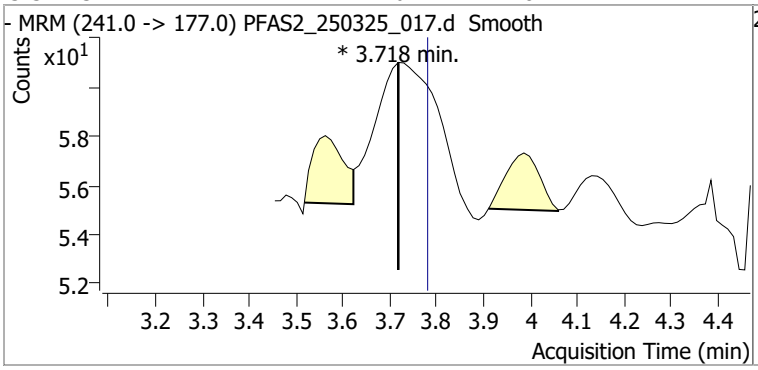
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.2298	3.05	-0.01	17612				

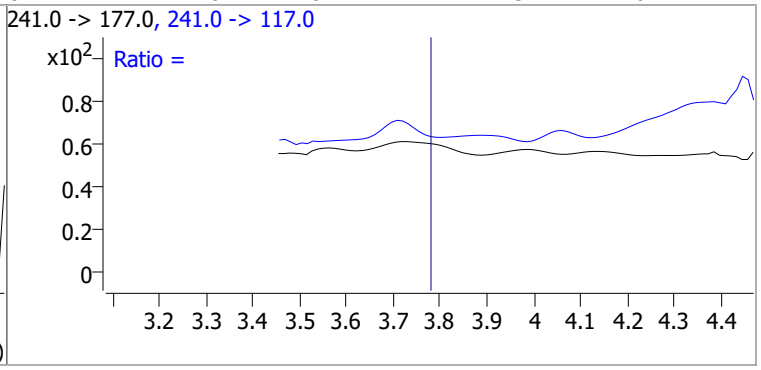


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0694	3.60	0.00	234				

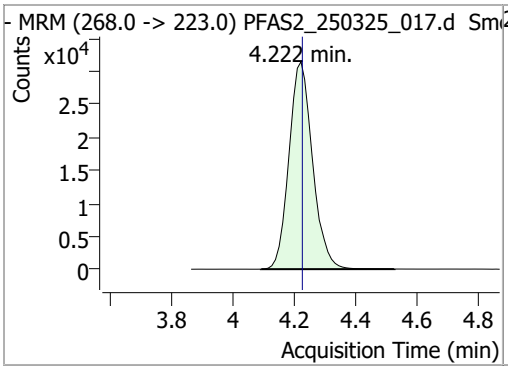


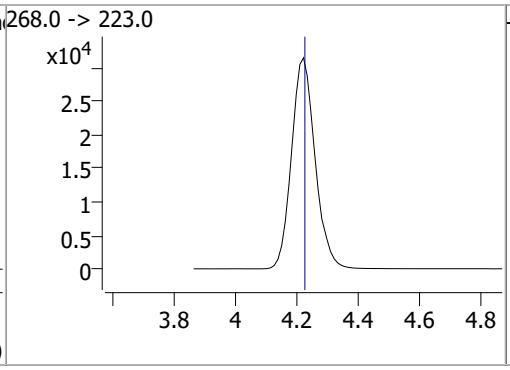
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

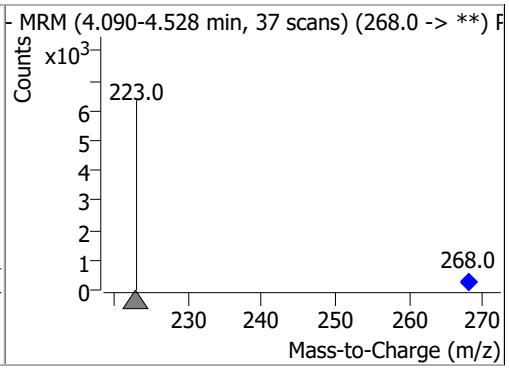




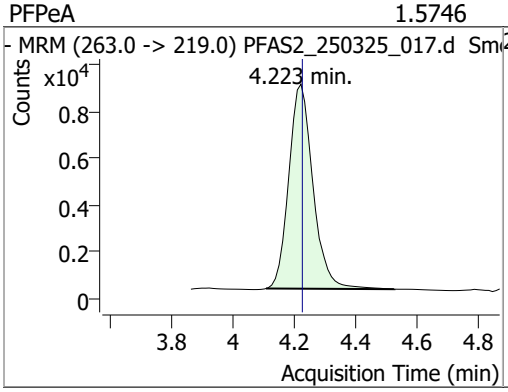
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8628	4.22	0.00	168136				

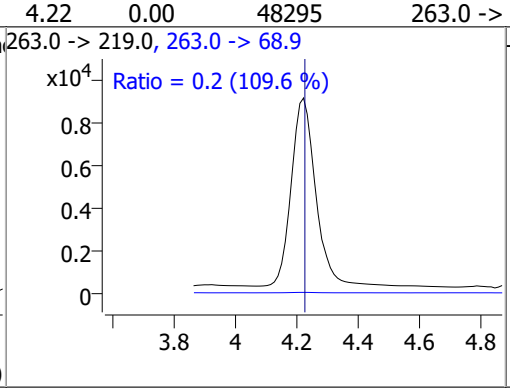


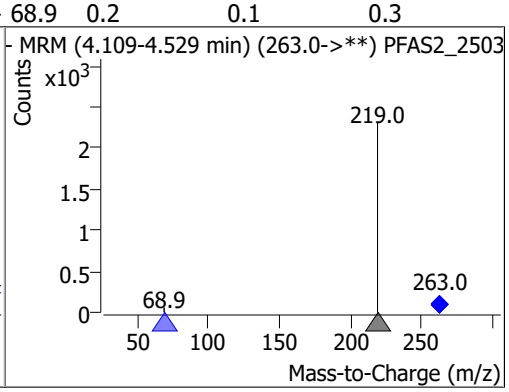




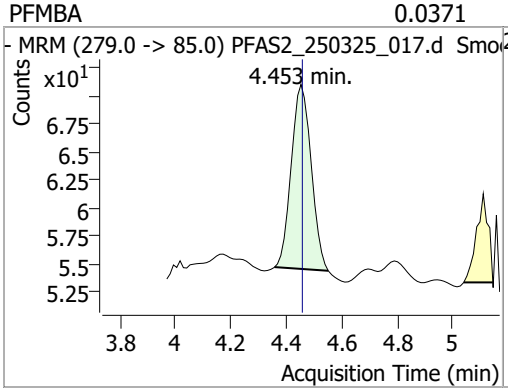
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.5746	4.22	0.00	48295	263.0 -> 68.9	0.2	0.1	0.3

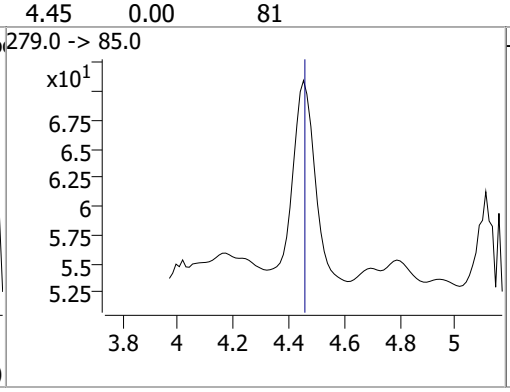


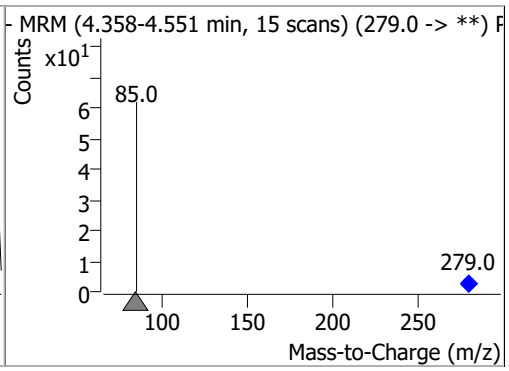




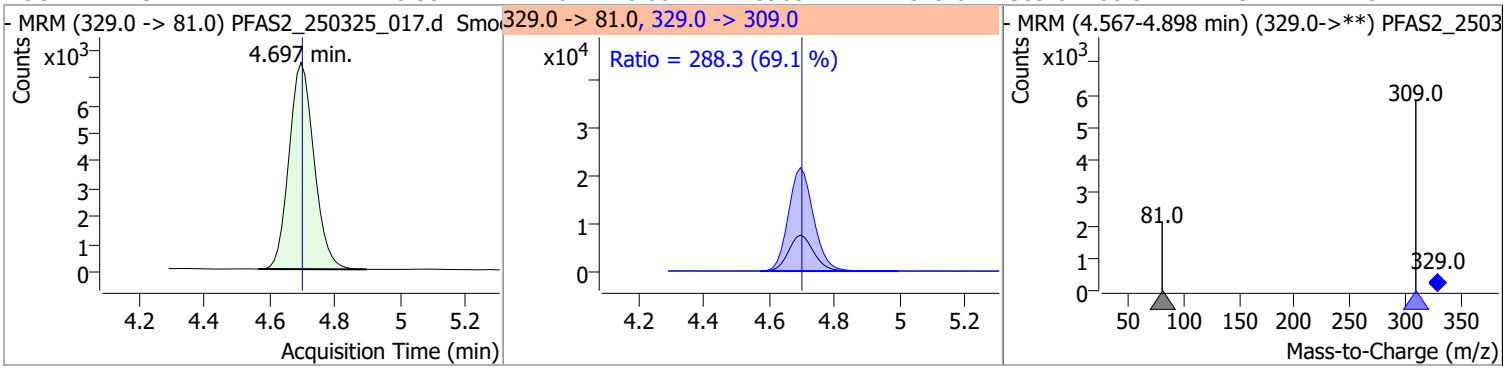
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0371	4.45	0.00	81				



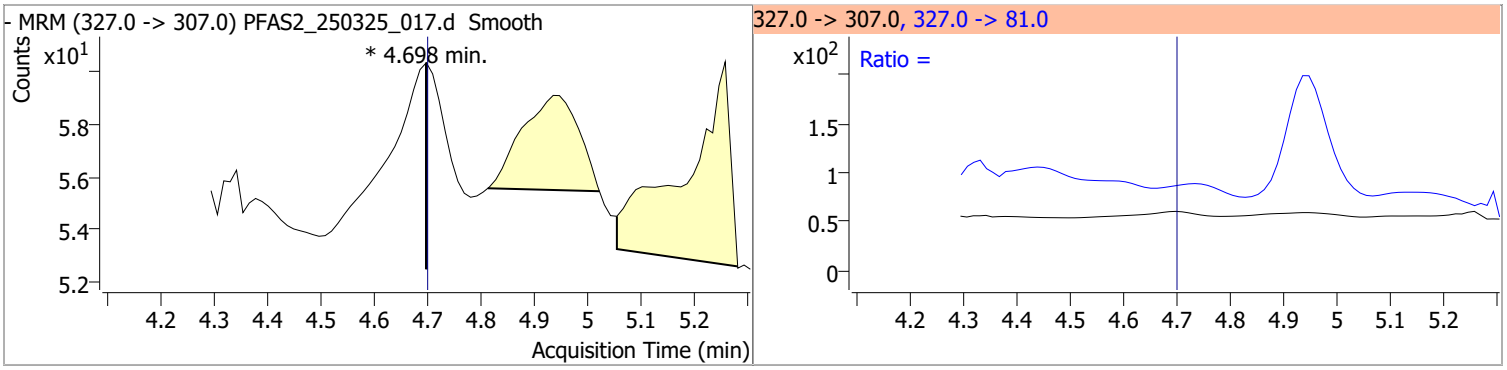




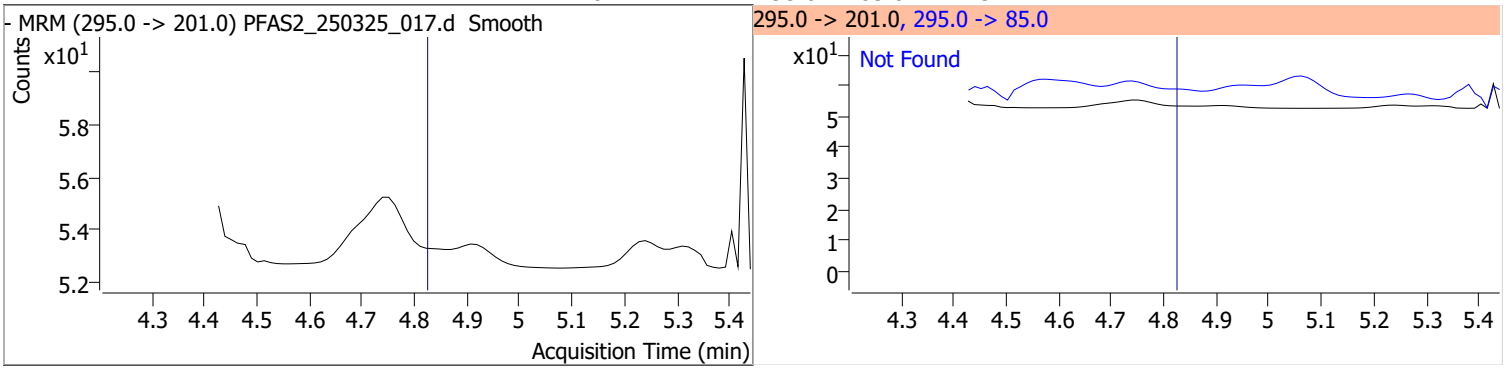
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	8.5827	4.70	0.00	39637	329.0 -> 309.0	288.3	292.1	542.4



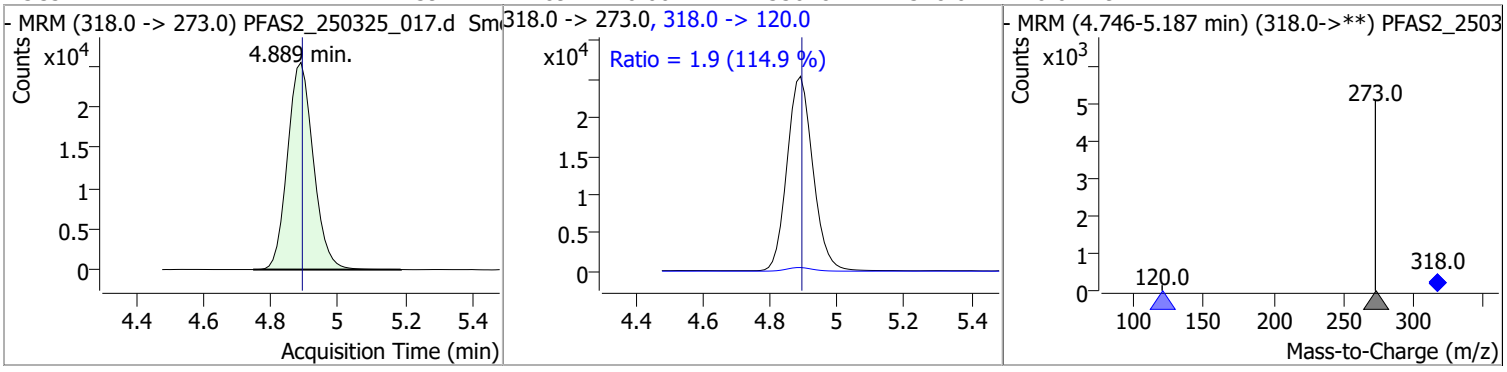
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



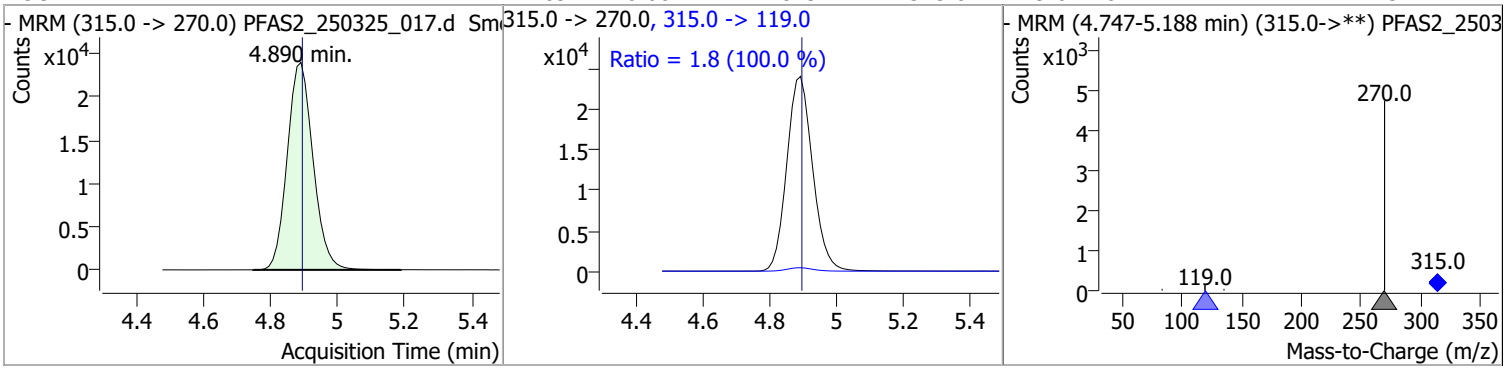
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



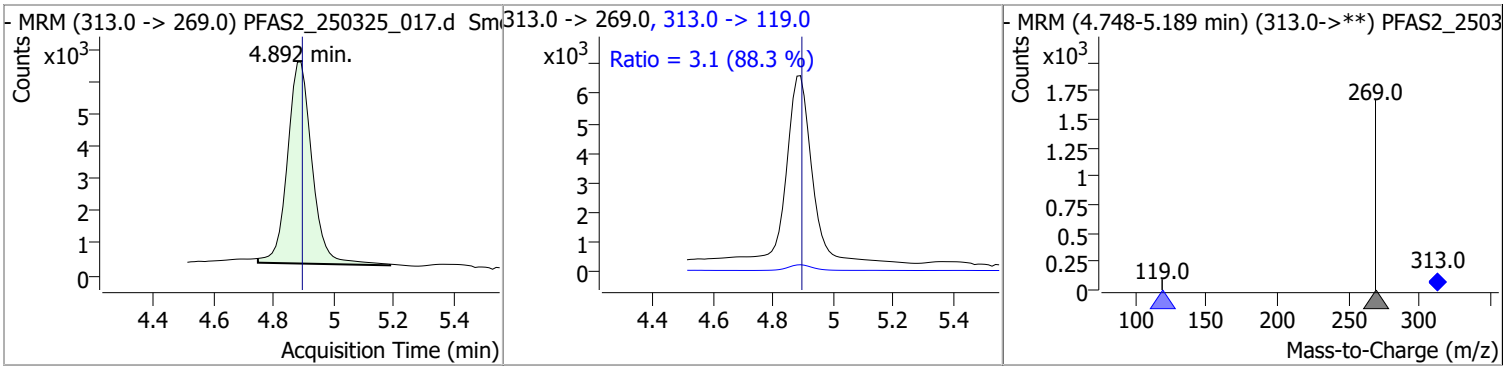
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3921	4.89	0.00	135018	318.0 -> 120.0	1.9	1.1	2.1



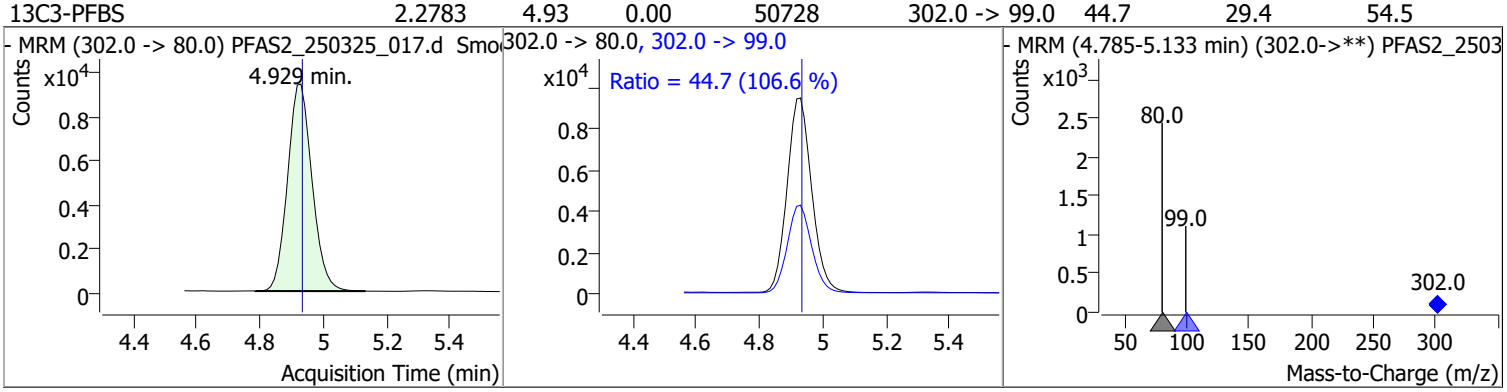
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	128194	315.0 -> 119.0	1.8	1.2	2.3



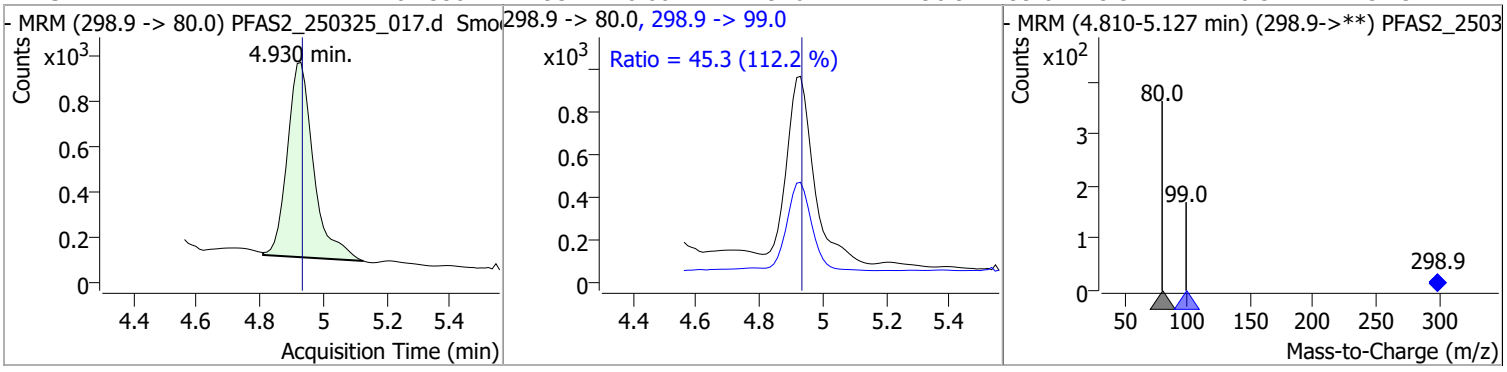
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.7376	4.89	0.00	35636	313.0 -> 119.0	3.1	2.4	4.5



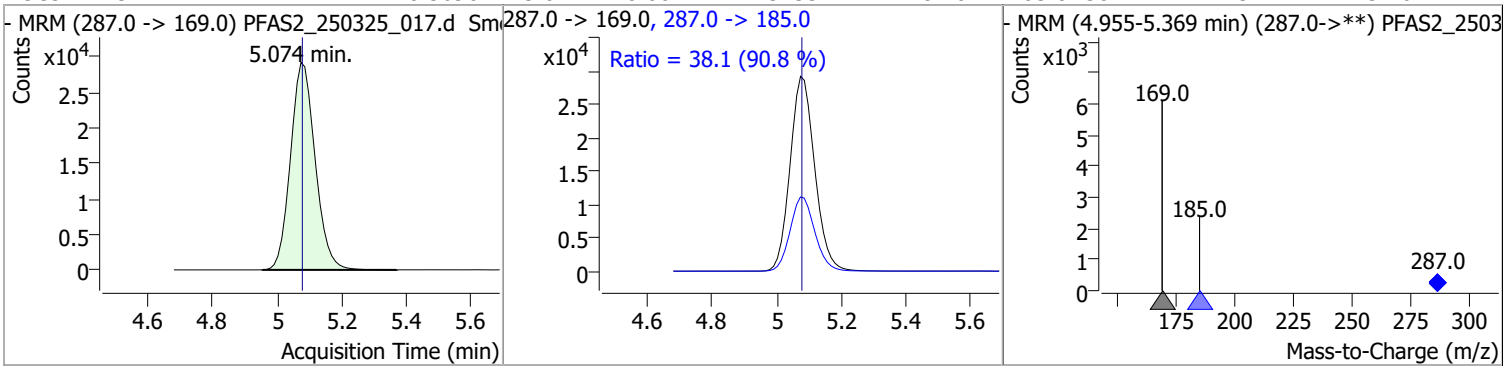
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2783	4.93	0.00	50728	302.0 -> 99.0	44.7	29.4	54.5



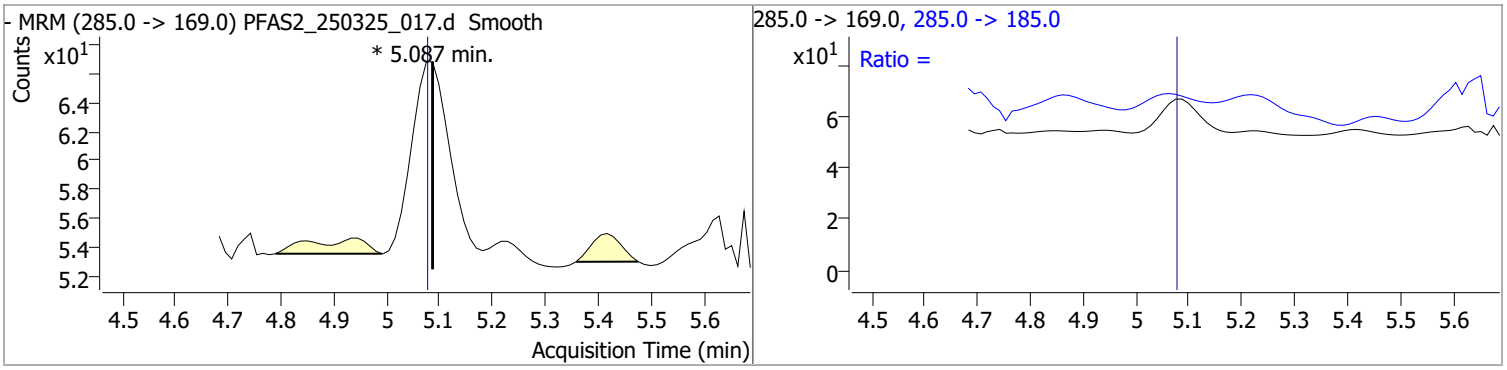
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.2350	4.93	0.00	4946	298.9 -> 99.0	45.3	28.3	52.5



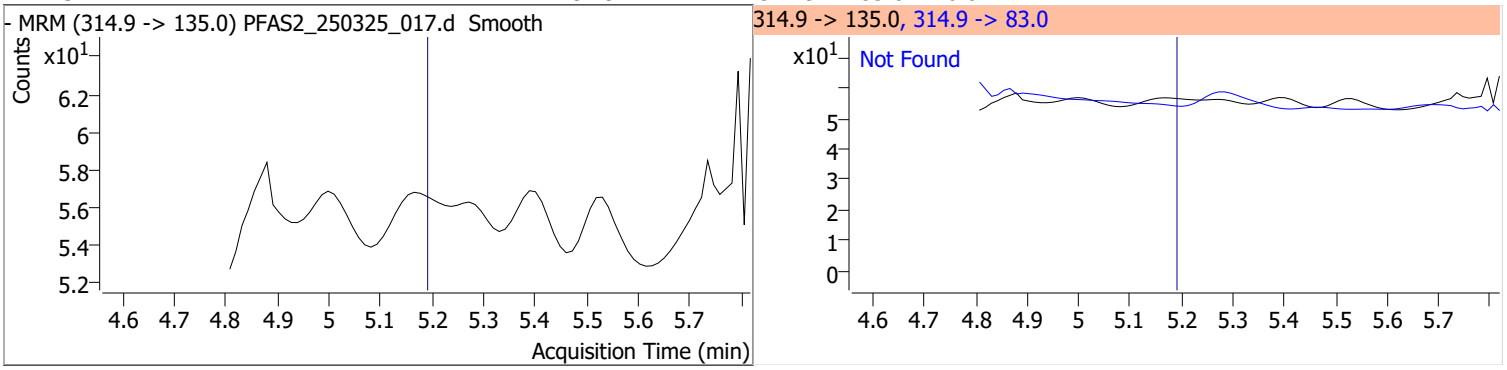
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.5698	5.07	0.00	154357	287.0 -> 185.0	38.1	29.4	54.6



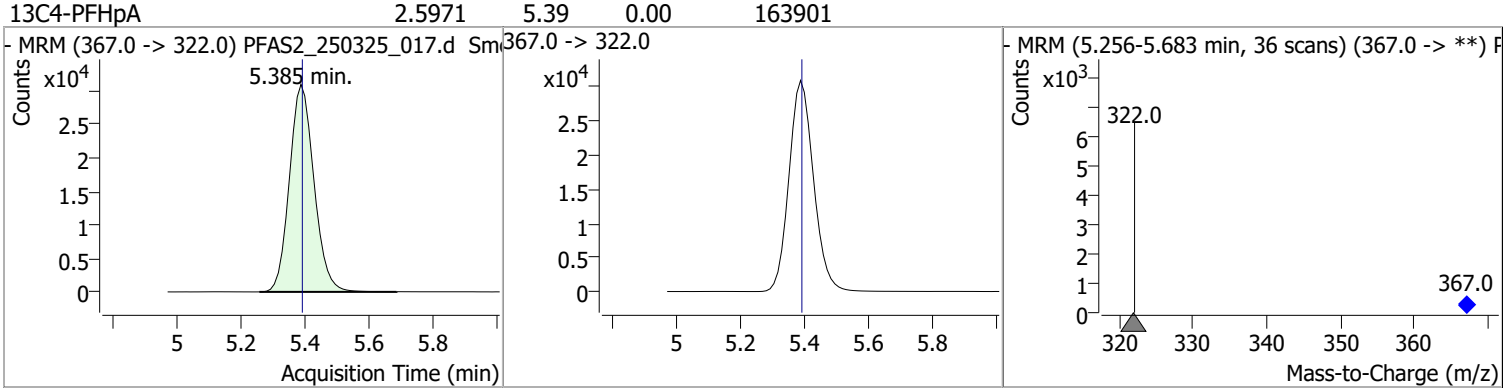
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



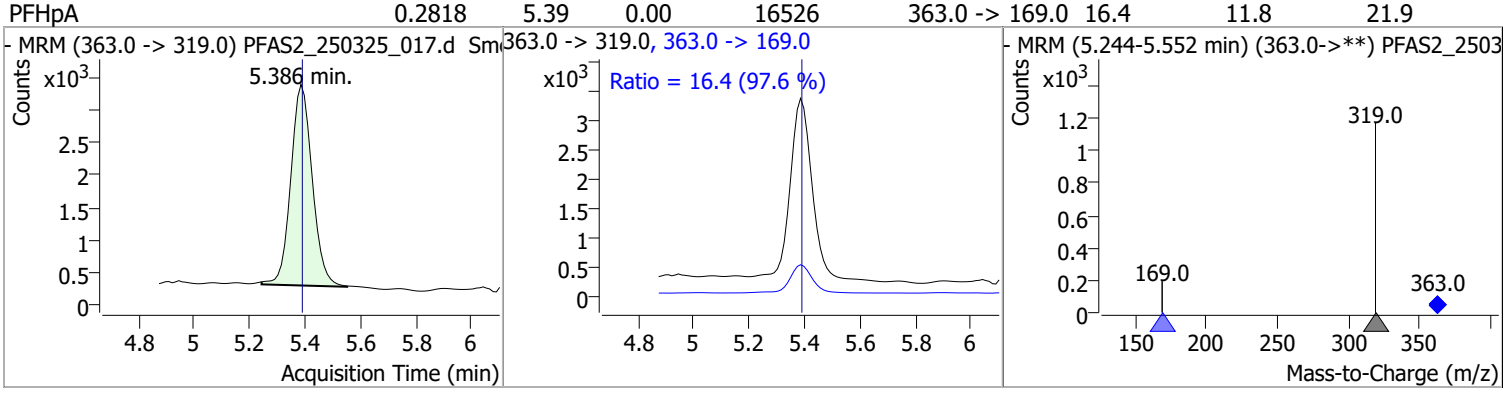
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.19	314.9 -> 83.0	6.8



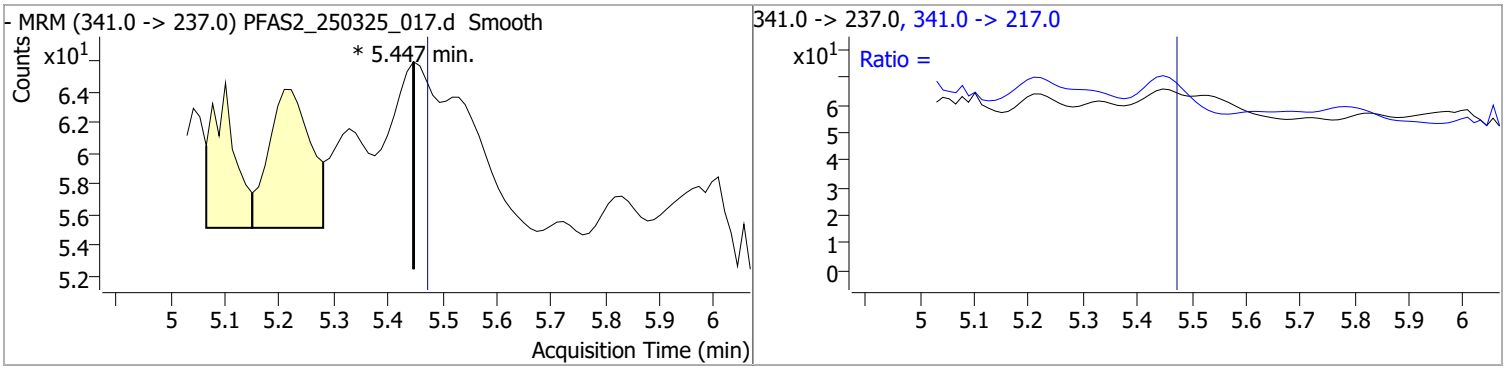
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5971	5.39	0.00	163901				



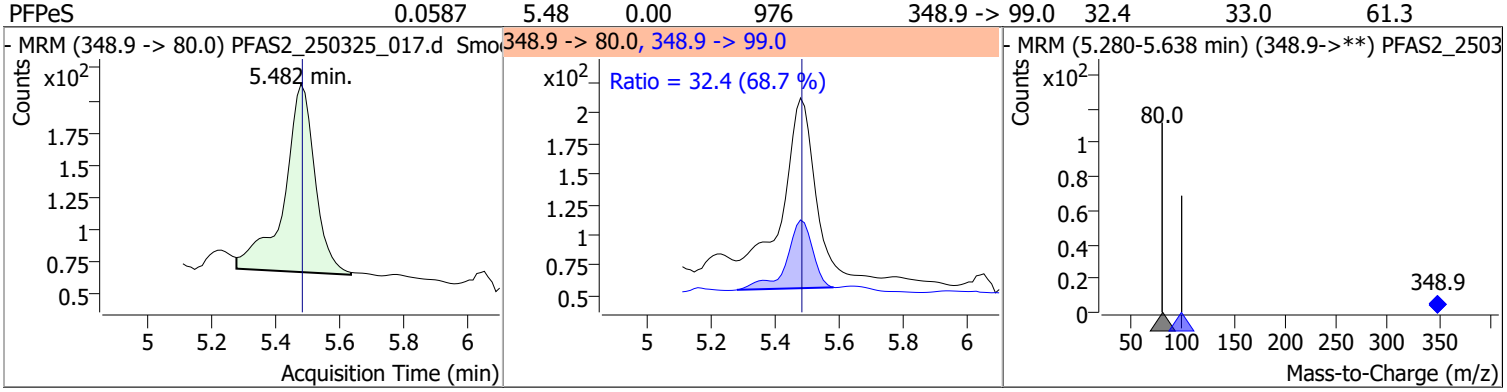
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2818	5.39	0.00	16526	363.0 -> 169.0	16.4	11.8	21.9



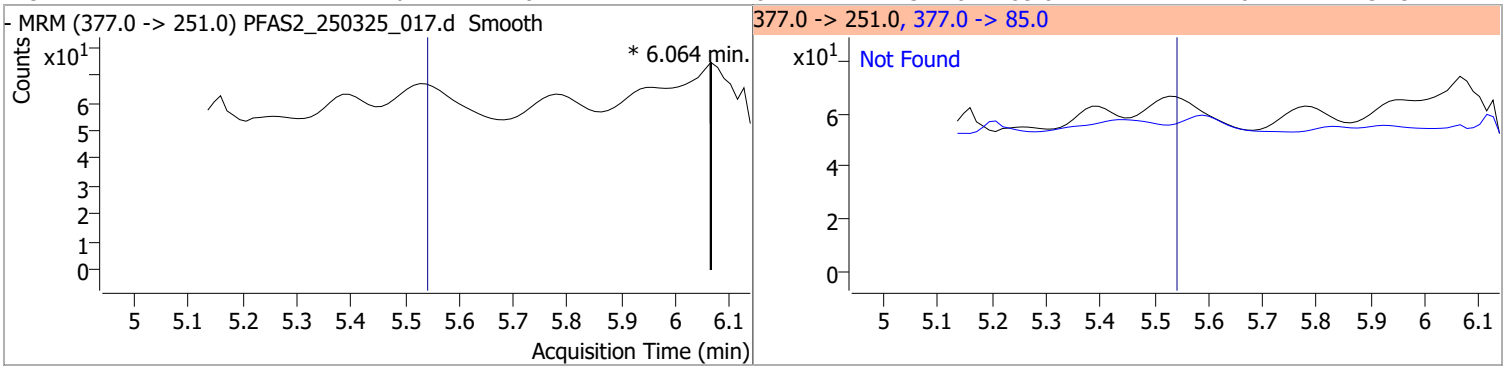
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



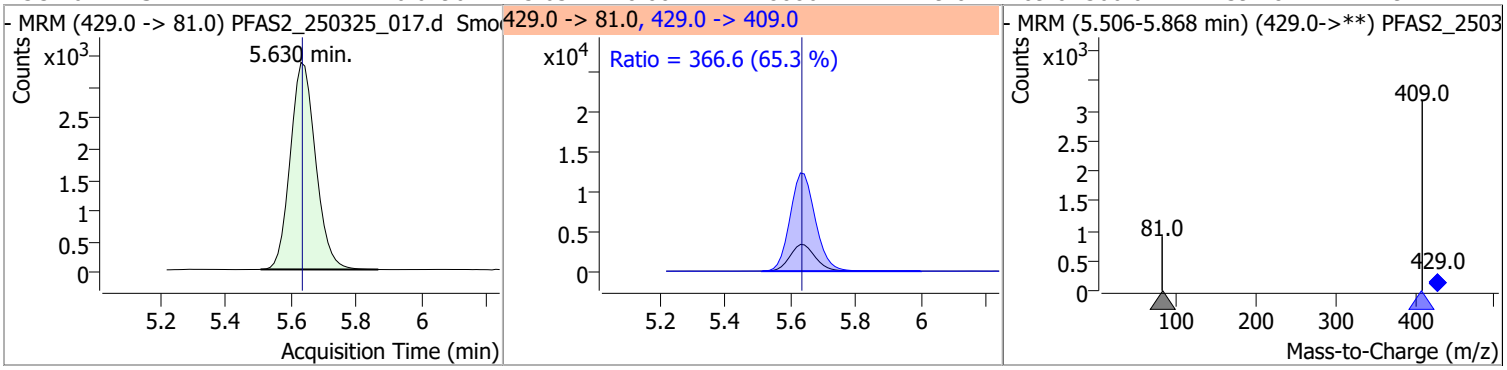
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0587	5.48	0.00	976	348.9 -> 99.0	32.4	33.0	61.3



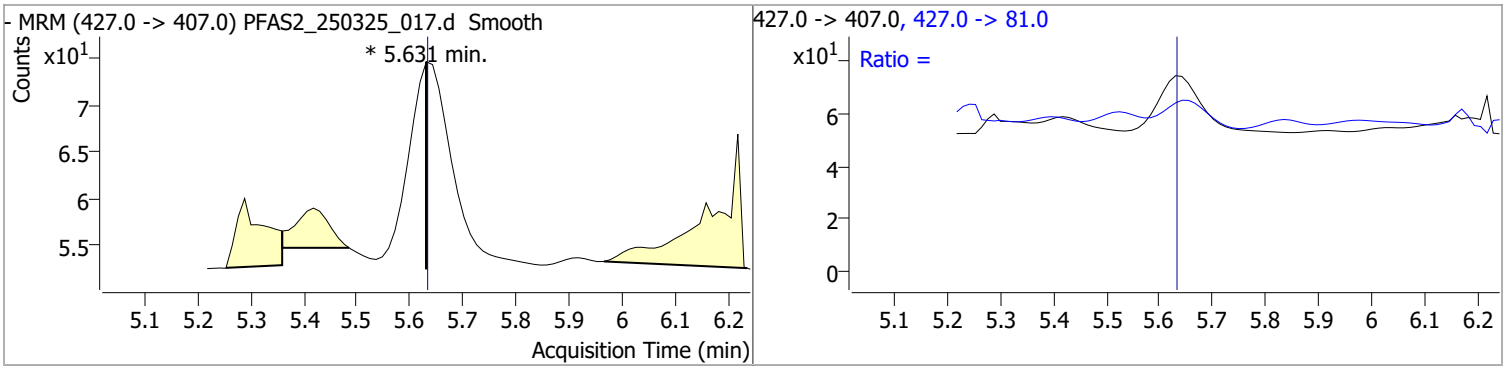
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



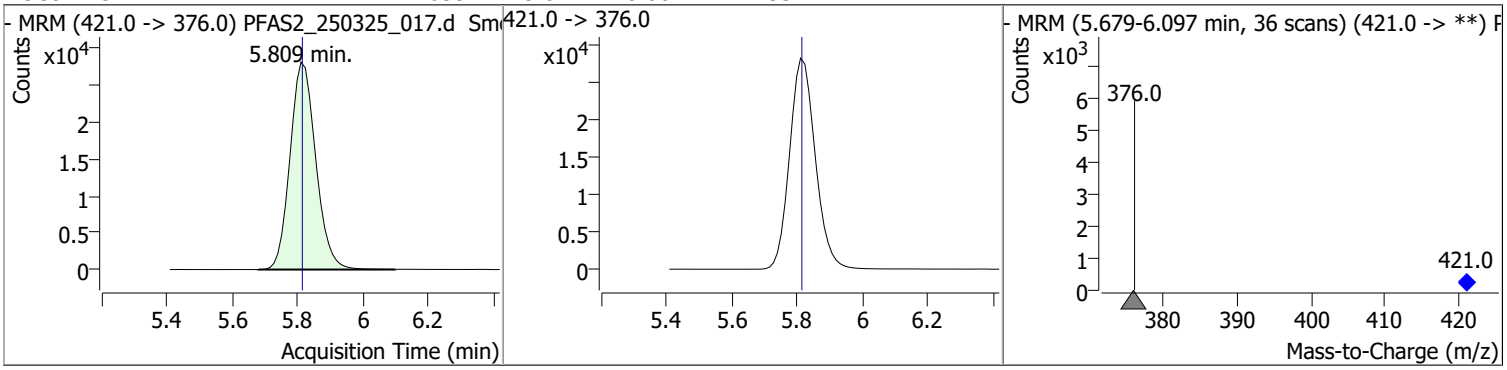
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.6796	5.63	0.00	18086	429.0 -> 409.0	366.6	392.8	729.4



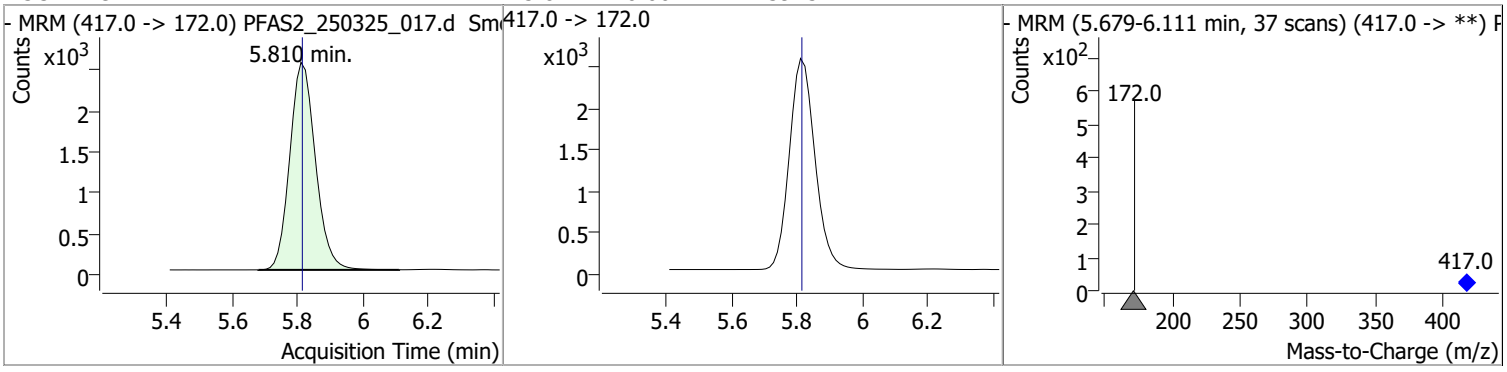
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



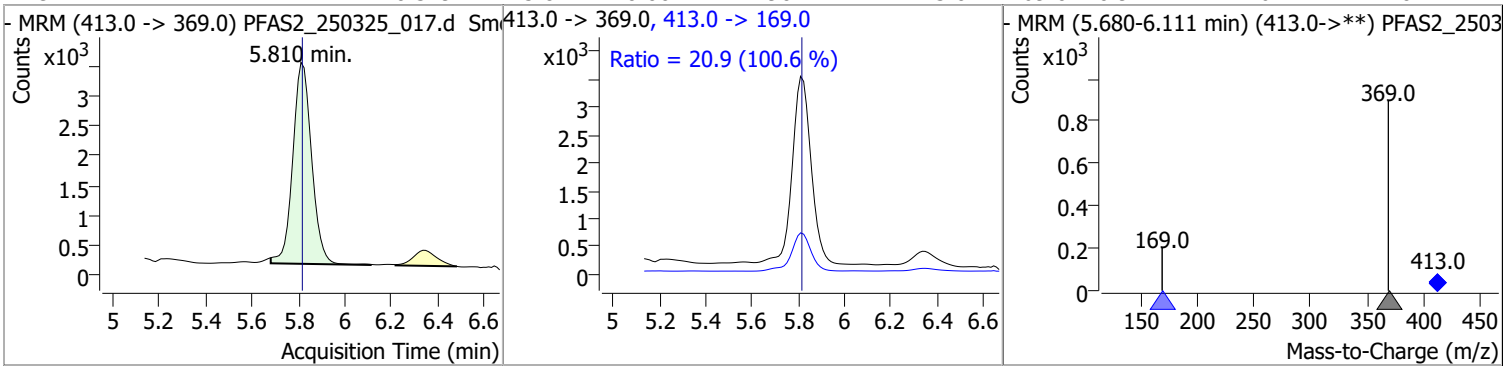
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4655	5.81	0.00	153424				



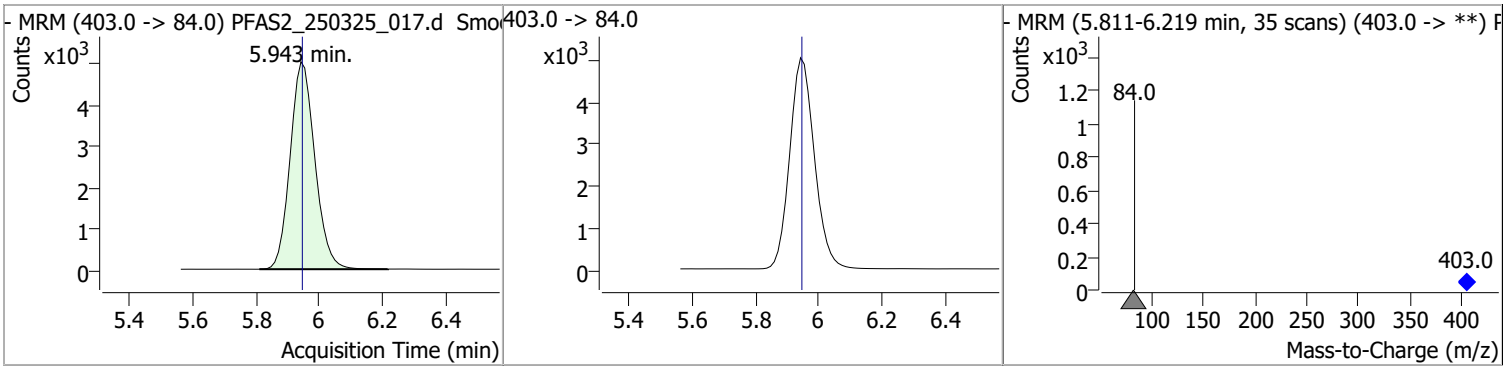
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	13915				



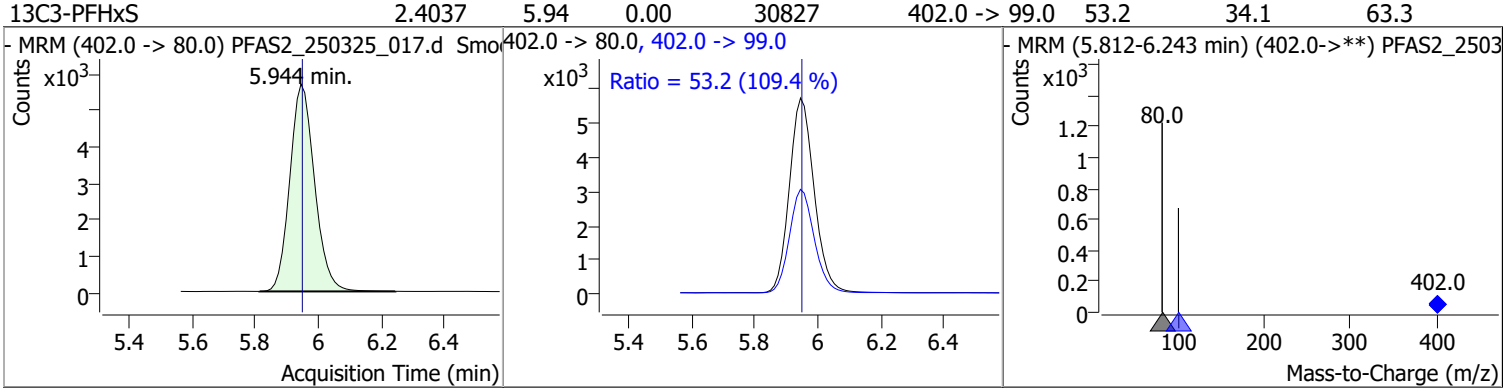
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.3497	5.81	0.00	19071	413.0 -> 169.0	20.9	14.6	27.0



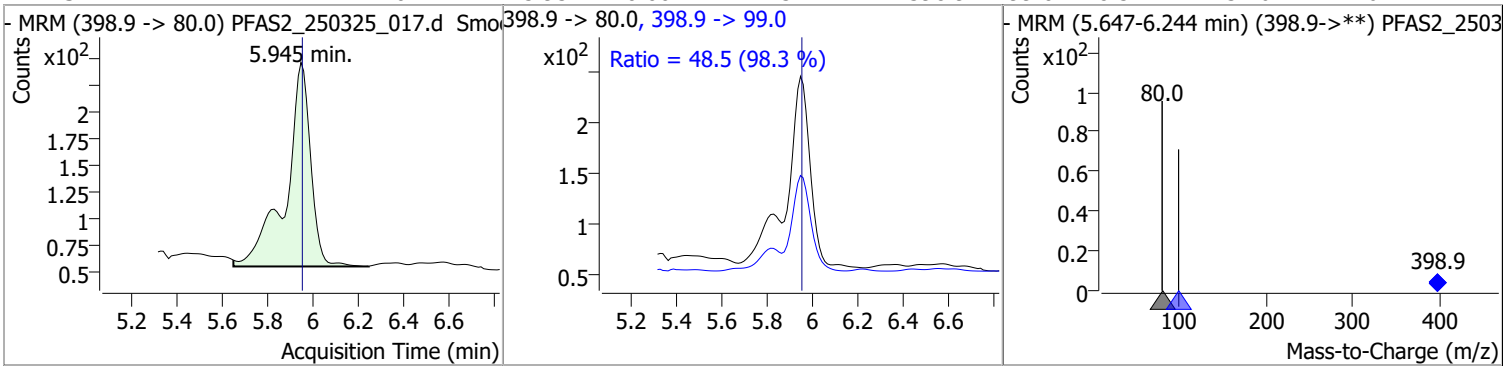
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	27191				



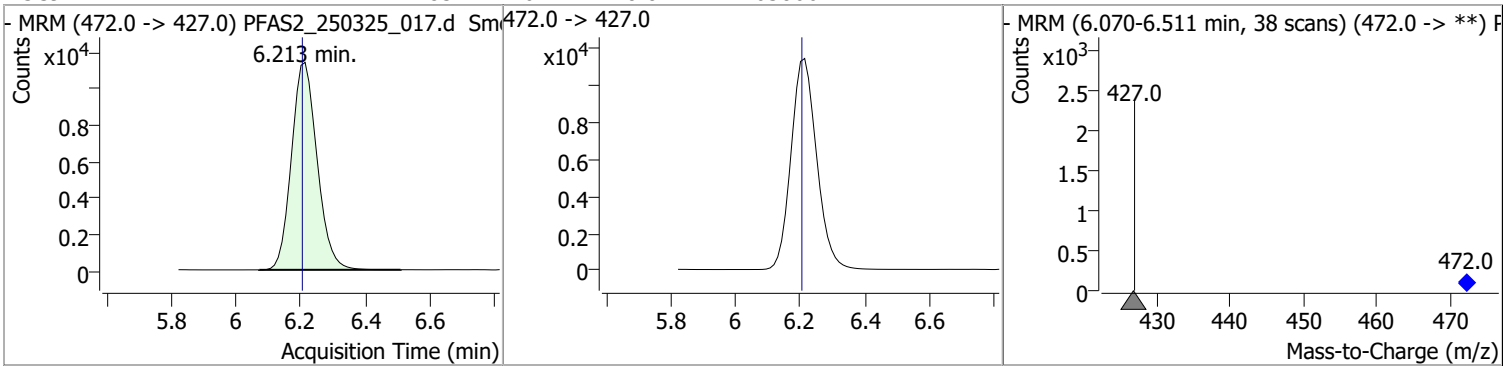
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4037	5.94	0.00	30827	402.0 -> 99.0	53.2	34.1	63.3



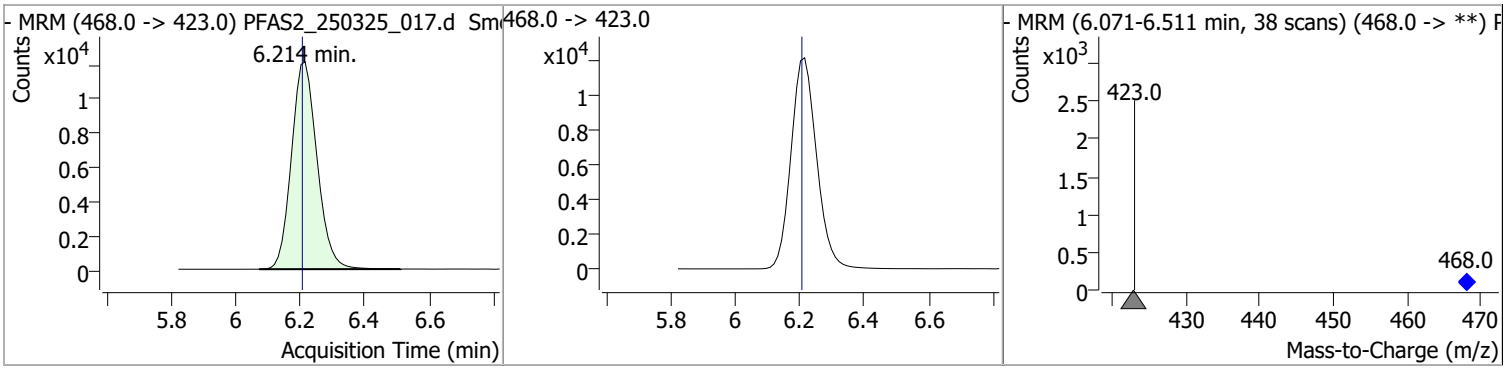
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1211	5.95	0.00	1452	398.9 -> 99.0	48.5	34.6	64.2



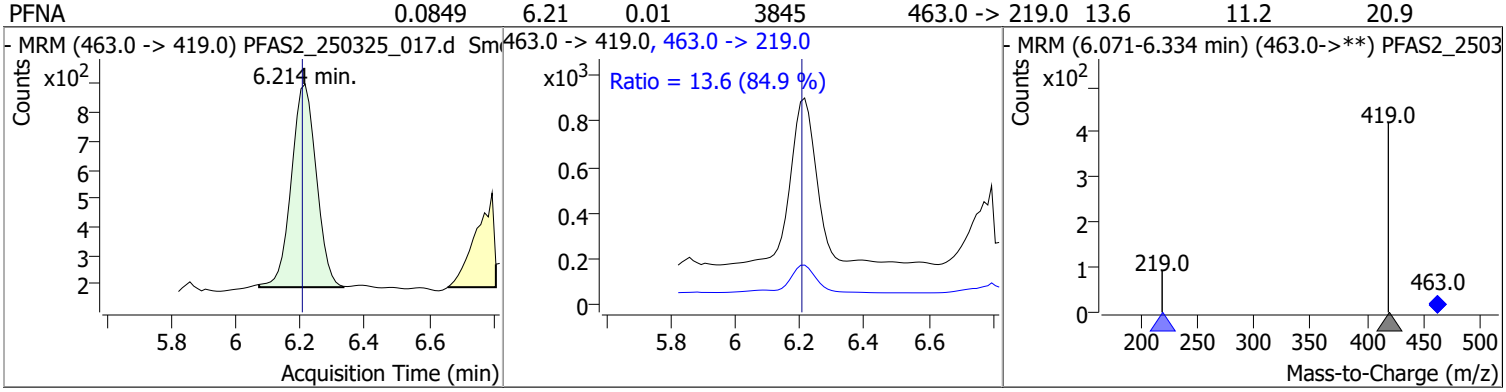
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1854	6.21	0.01	63066				



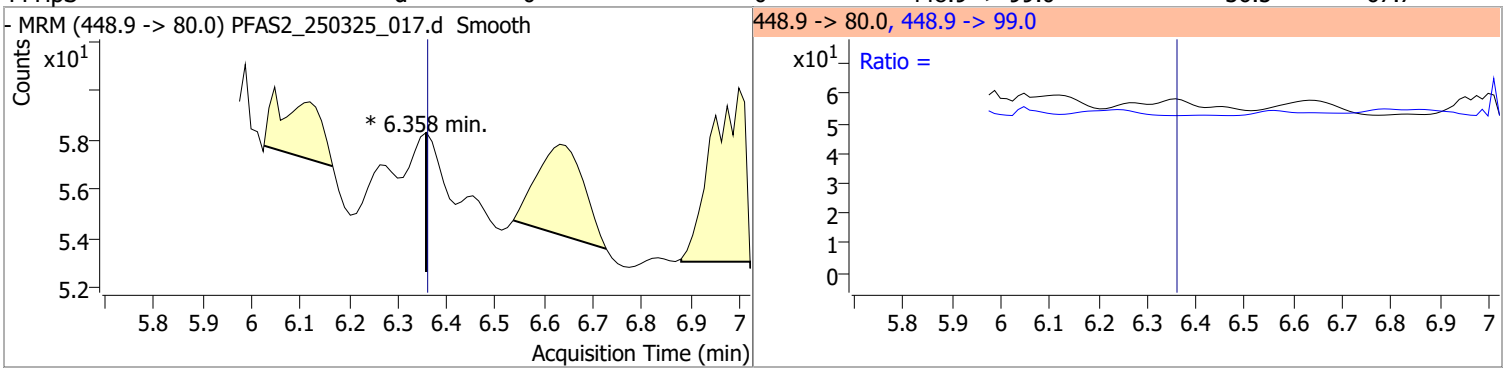
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	67142				



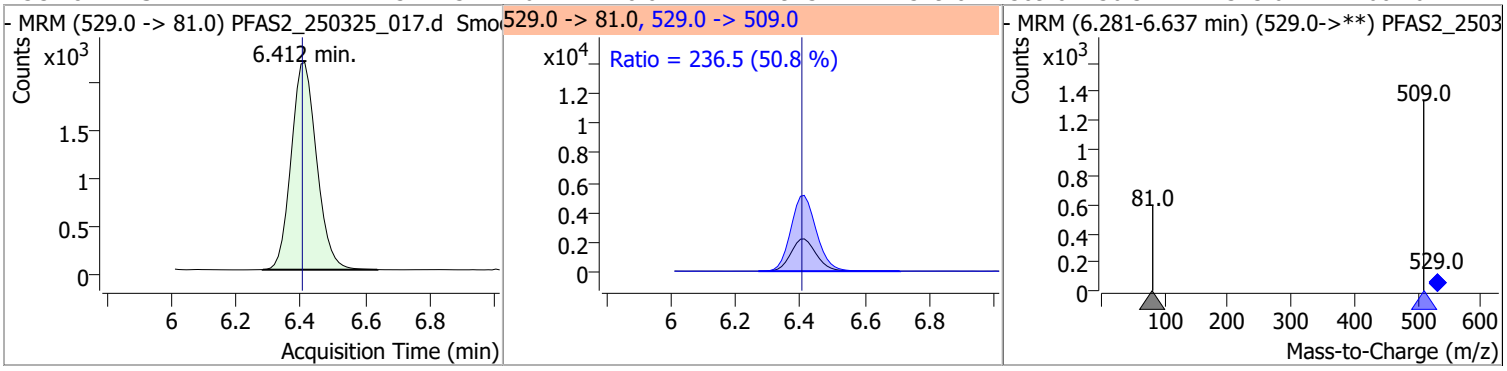
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0849	6.21	0.01	3845	463.0 -> 219.0	13.6	11.2	20.9



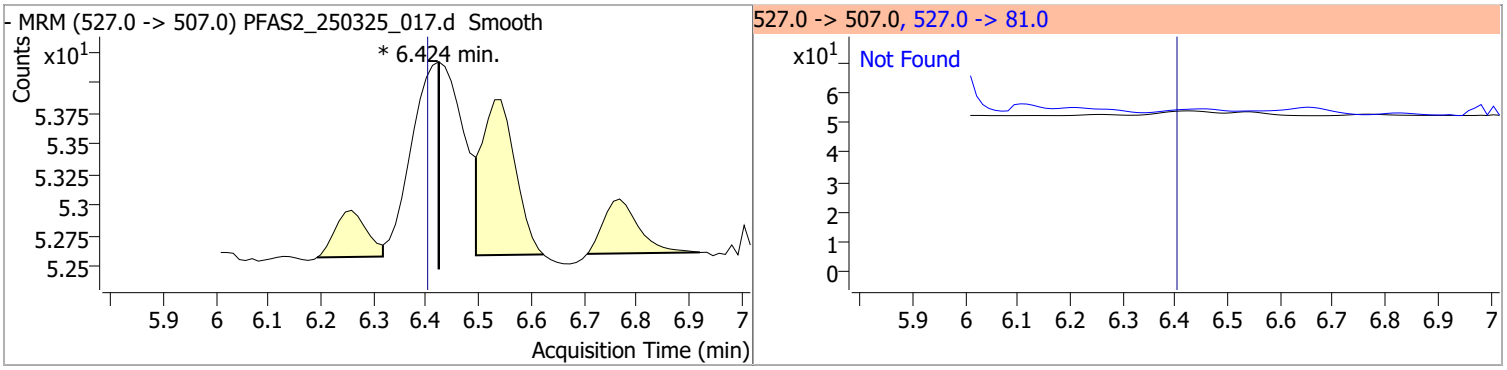
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



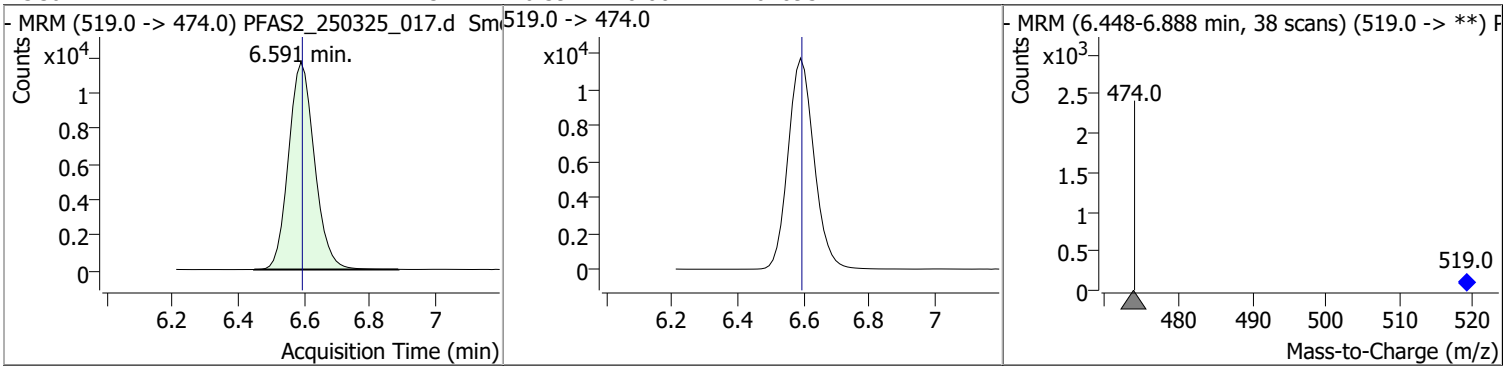
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.4723	6.41	0.01	11913	529.0 -> 509.0	236.5	325.6	604.6



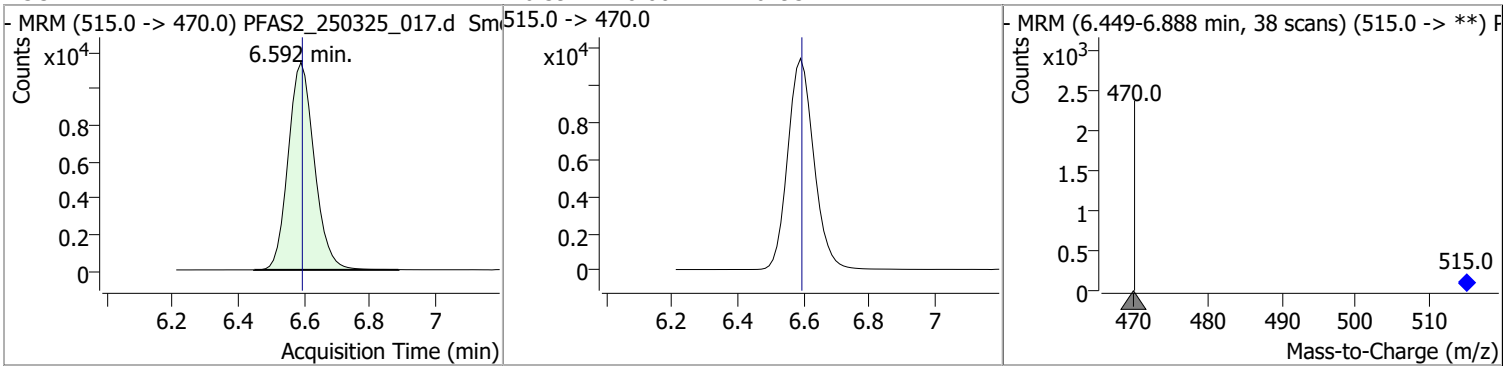
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



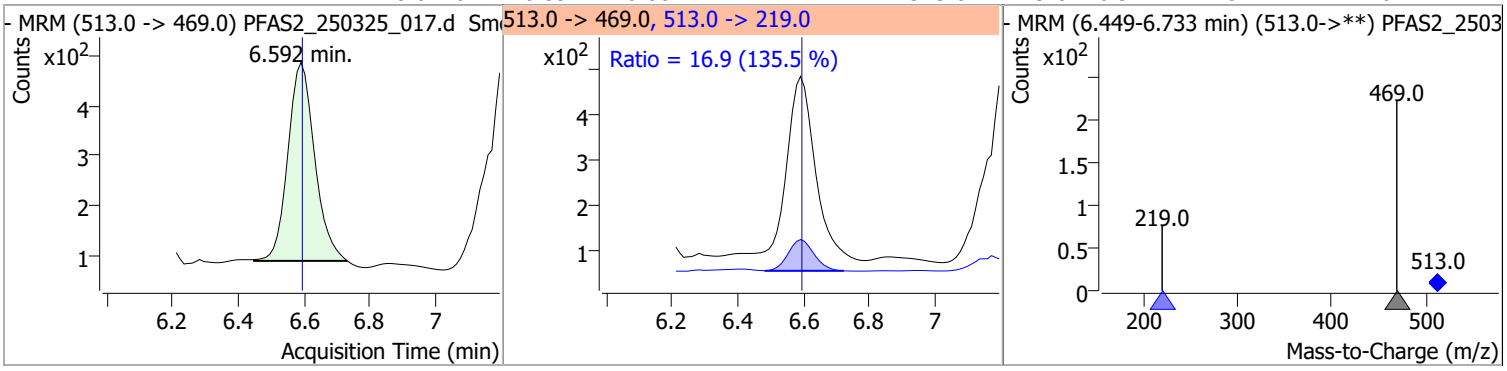
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2511	6.59	0.00	64095				



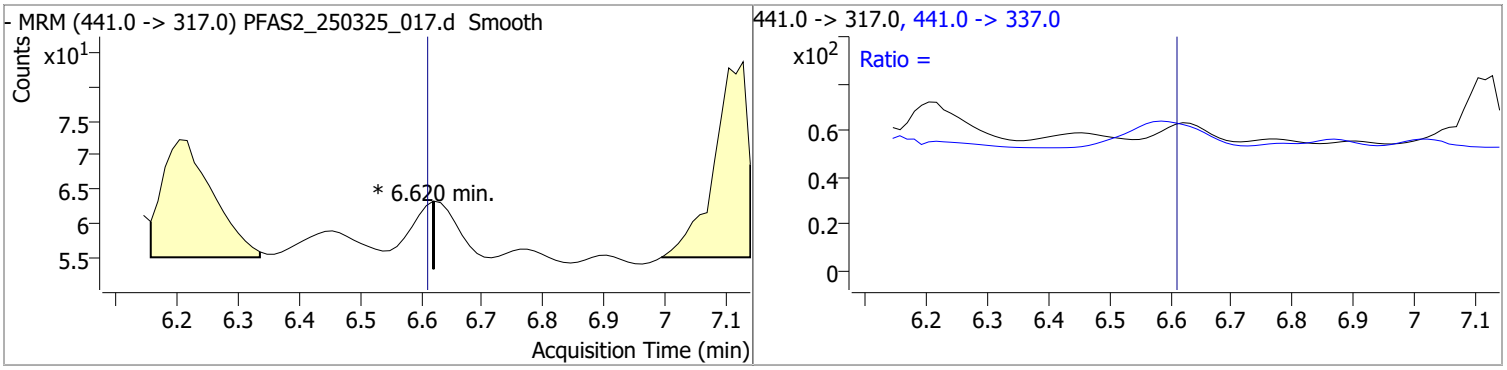
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	62957				



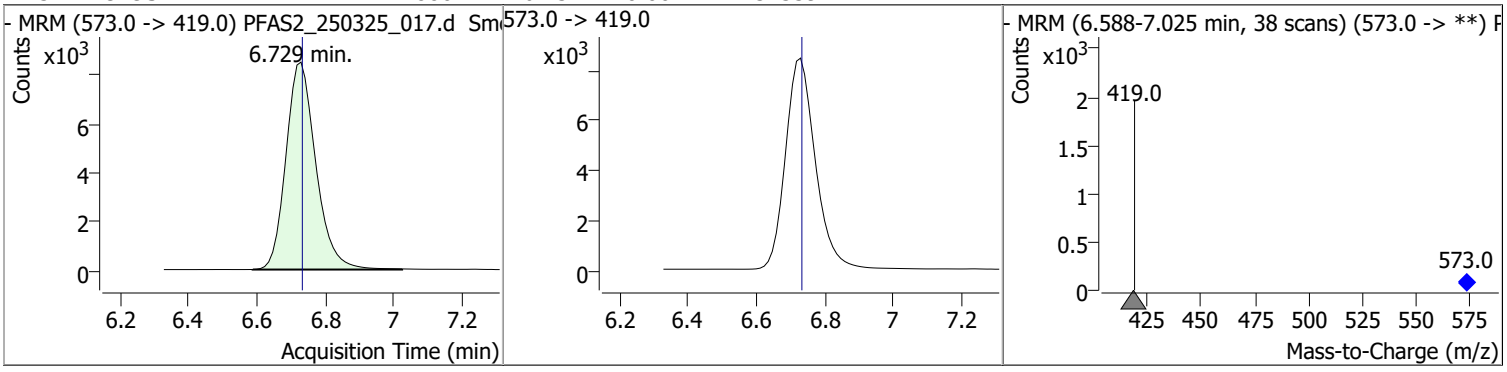
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0446	6.59	0.00	2242	513.0 -> 219.0	16.9	8.7	16.2



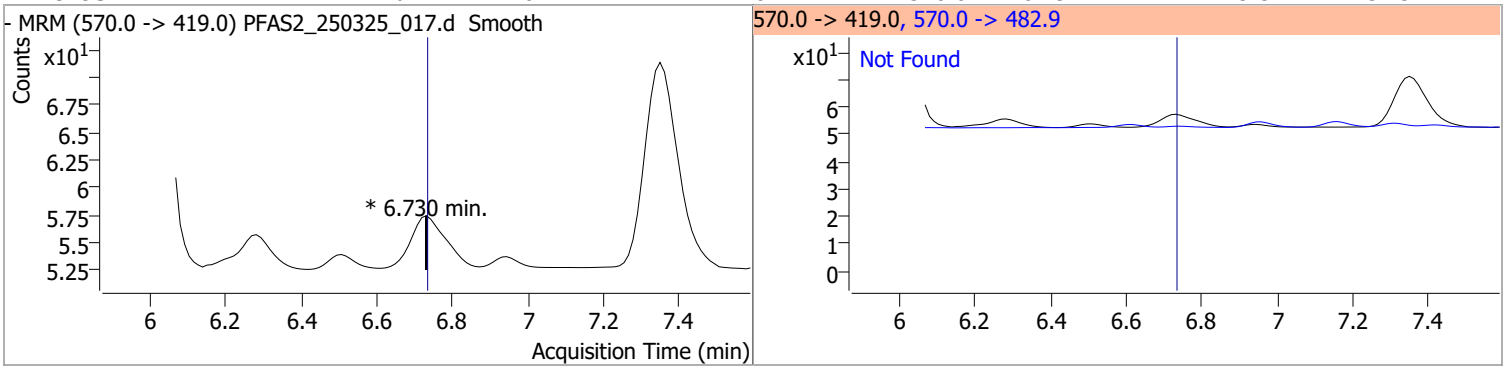
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



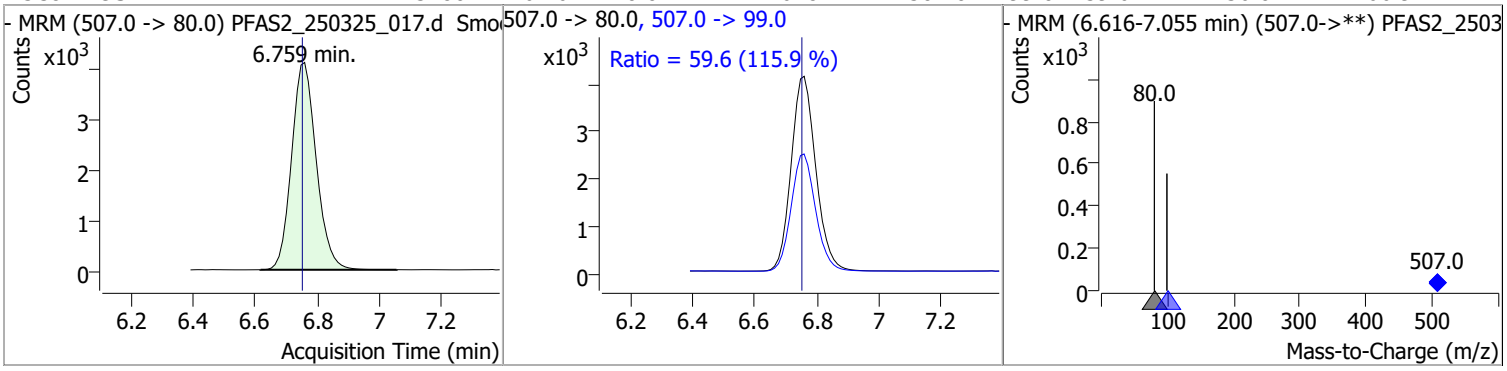
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8801	6.73	0.00	51339				



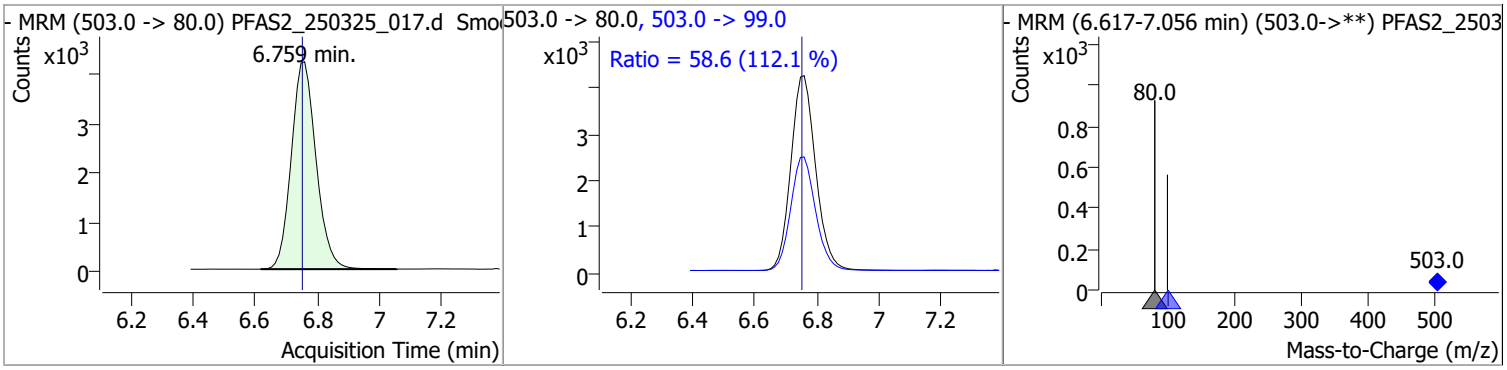
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



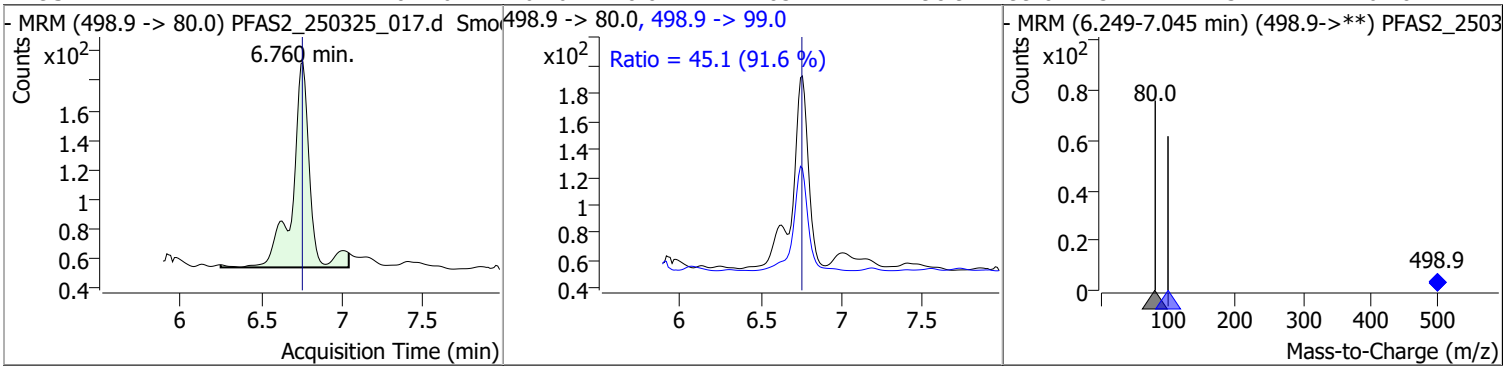
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3780	6.76	0.01	22628	507.0 -> 99.0	59.6	36.0	66.9



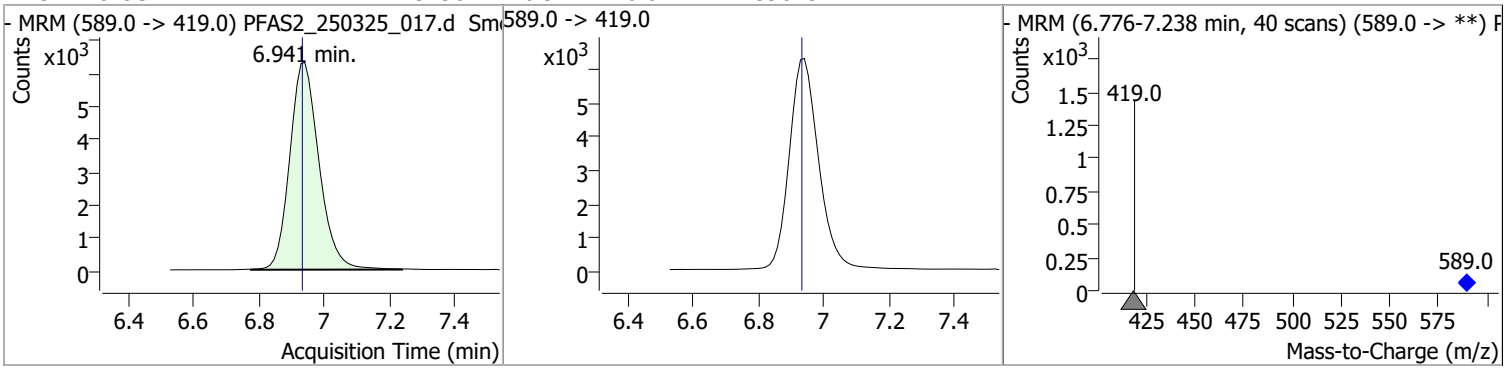
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23446	503.0 -> 99.0	58.6	36.6	67.9



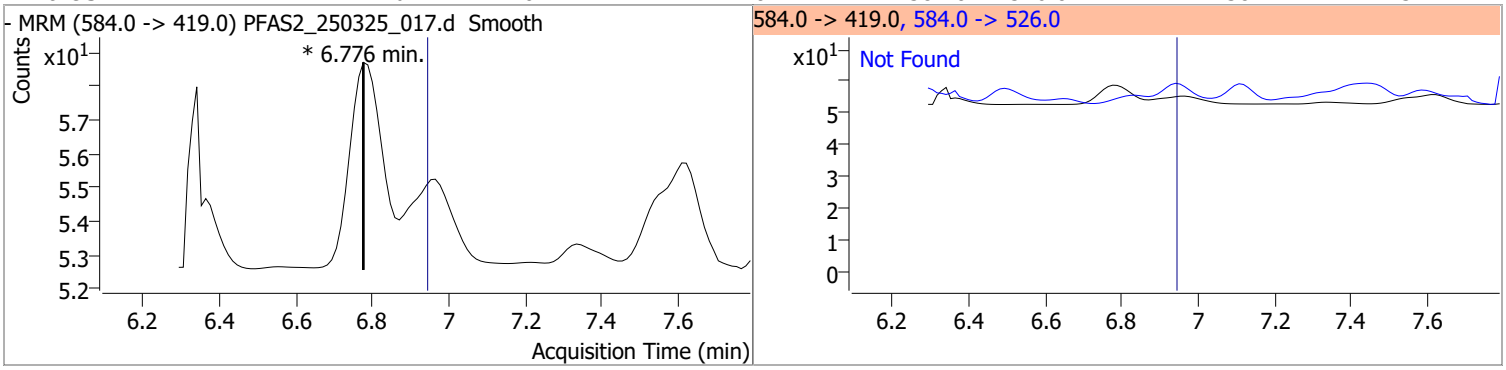
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1464	6.76	0.01	1051	498.9 -> 99.0	45.1	34.4	64.0



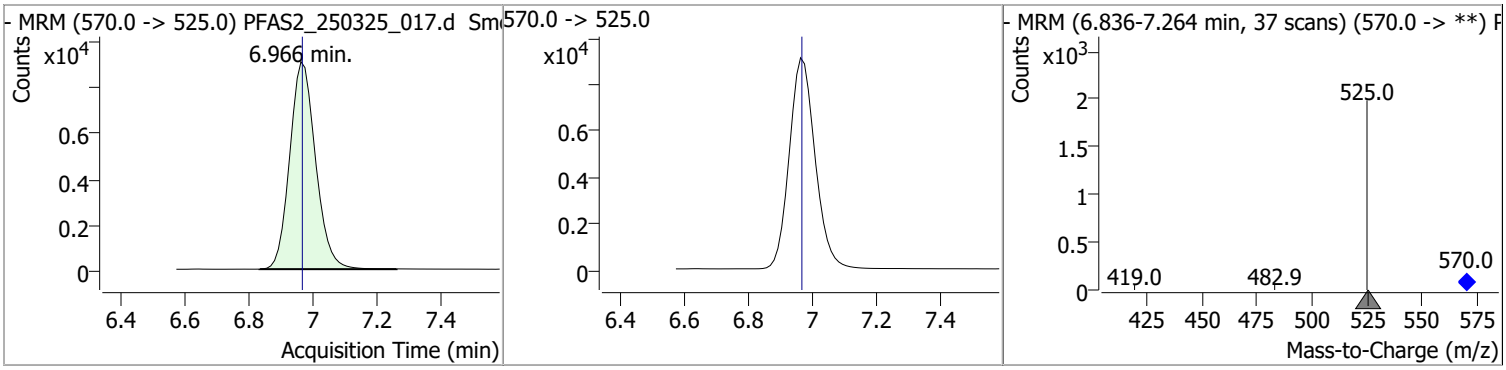
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9198	6.94	0.01	39075				



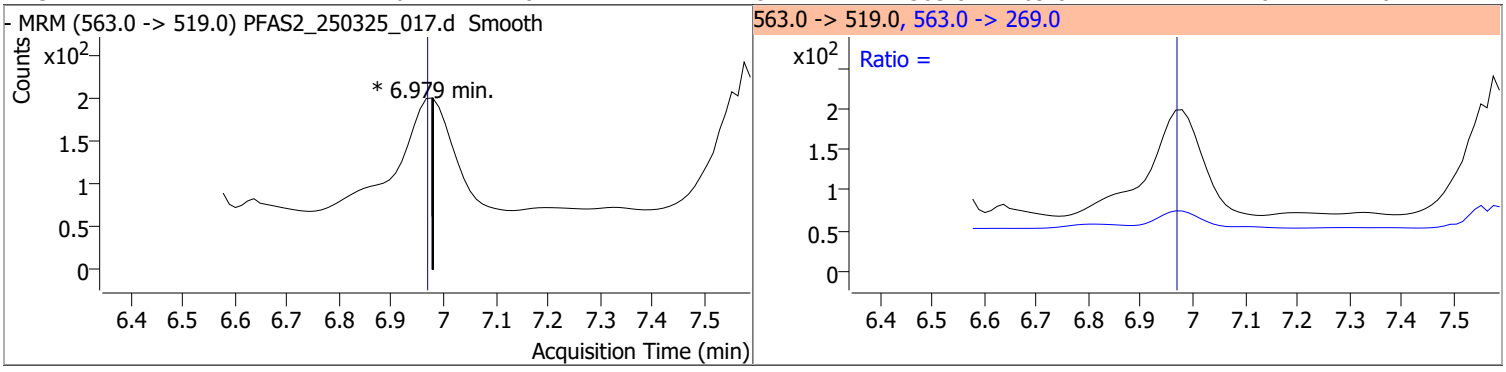
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



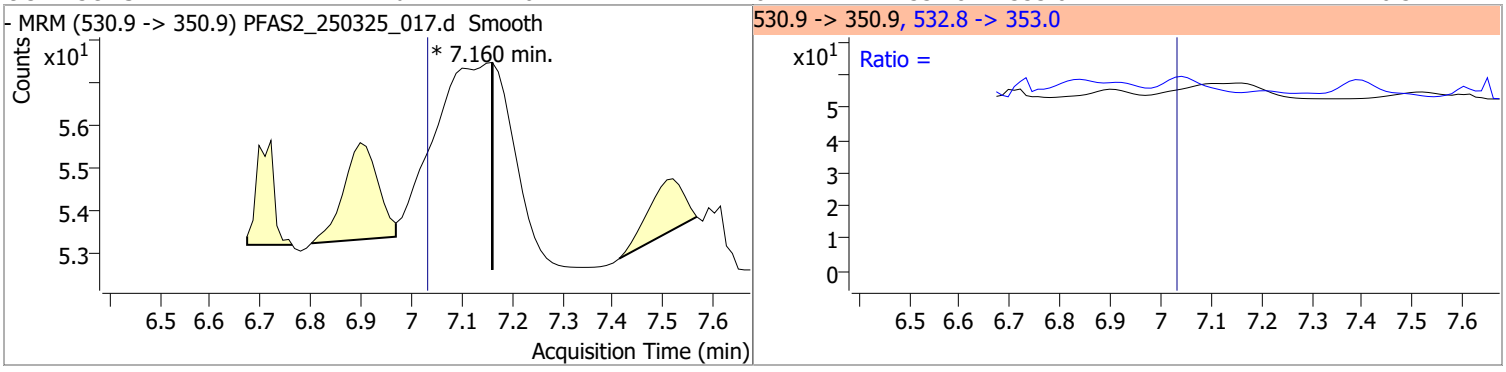
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2643	6.97	0.00	51047				



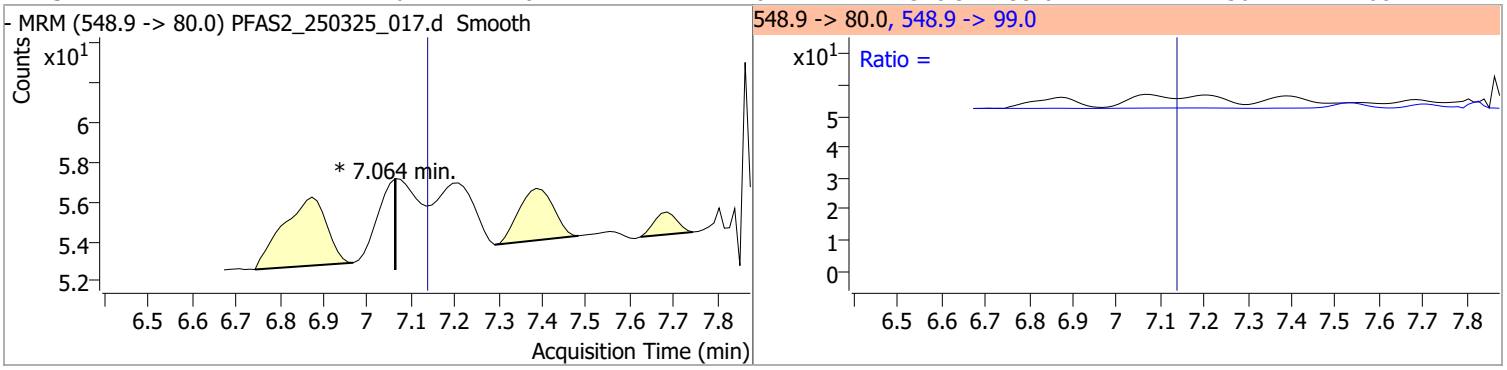
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



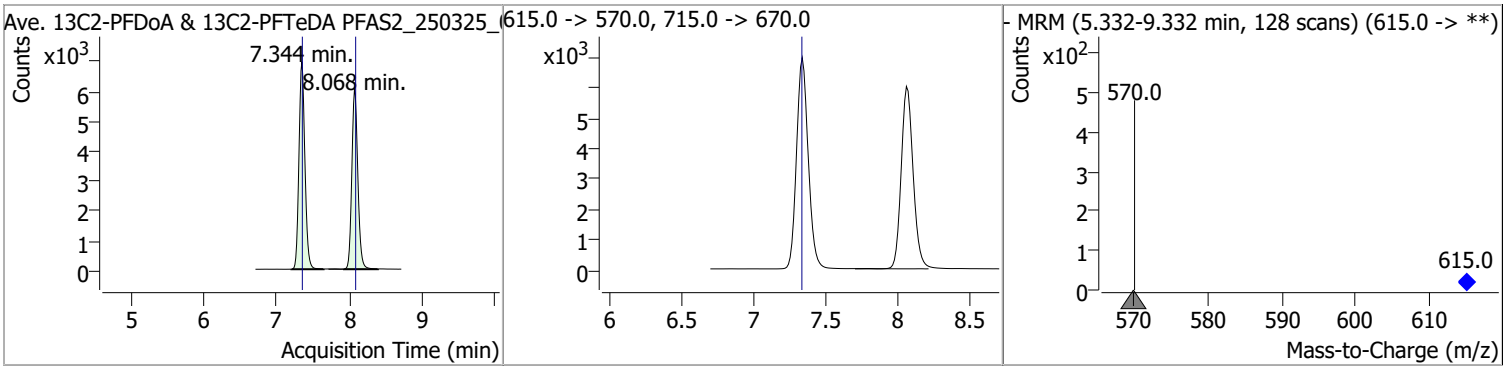
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



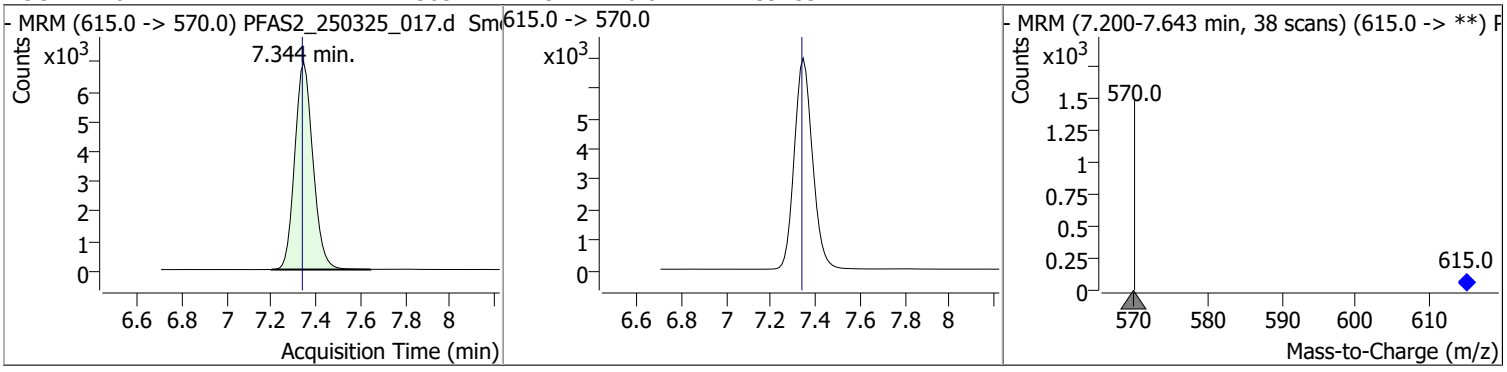
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



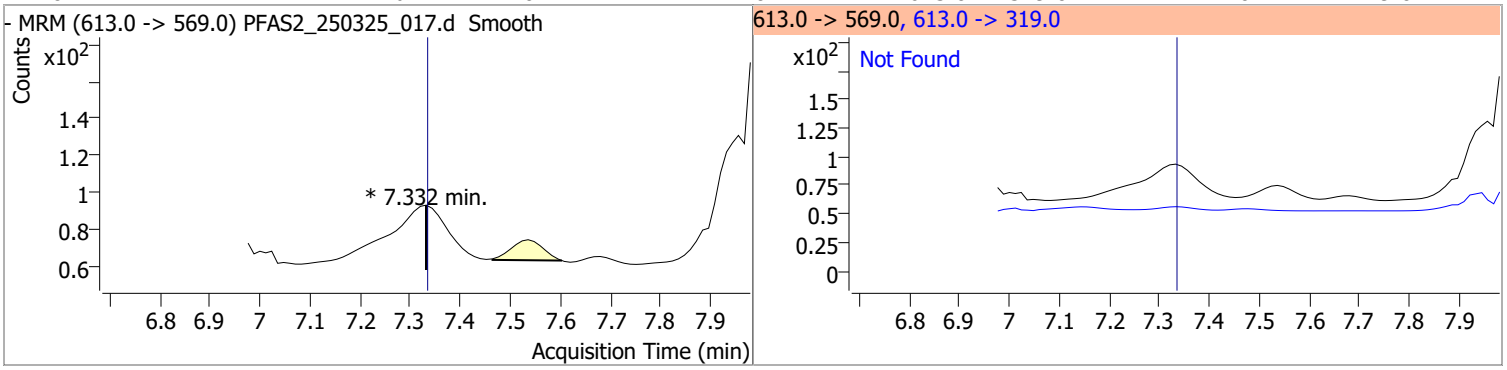
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1115	7.71	0.37	36990				



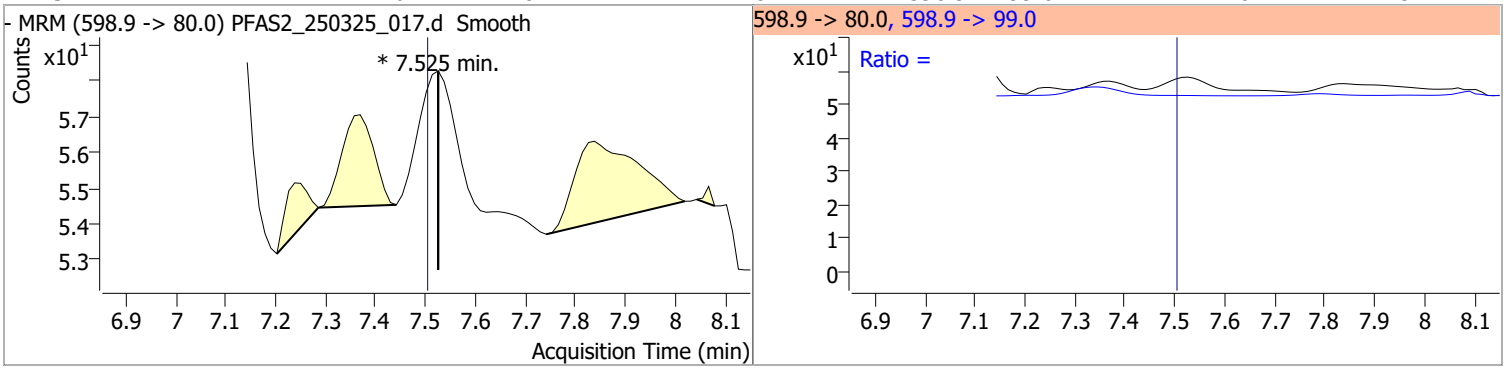
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3051	7.34	0.01	39259				



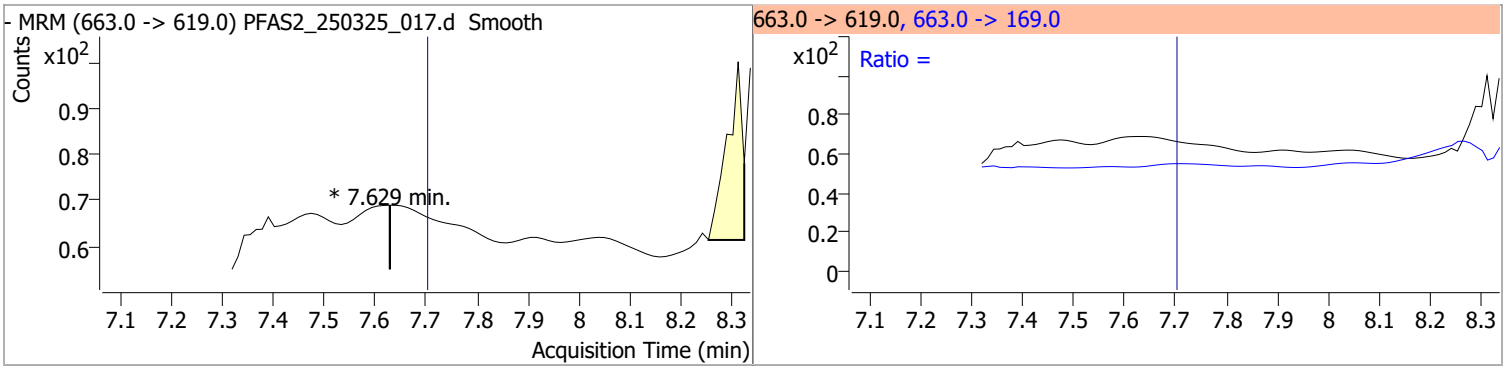
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



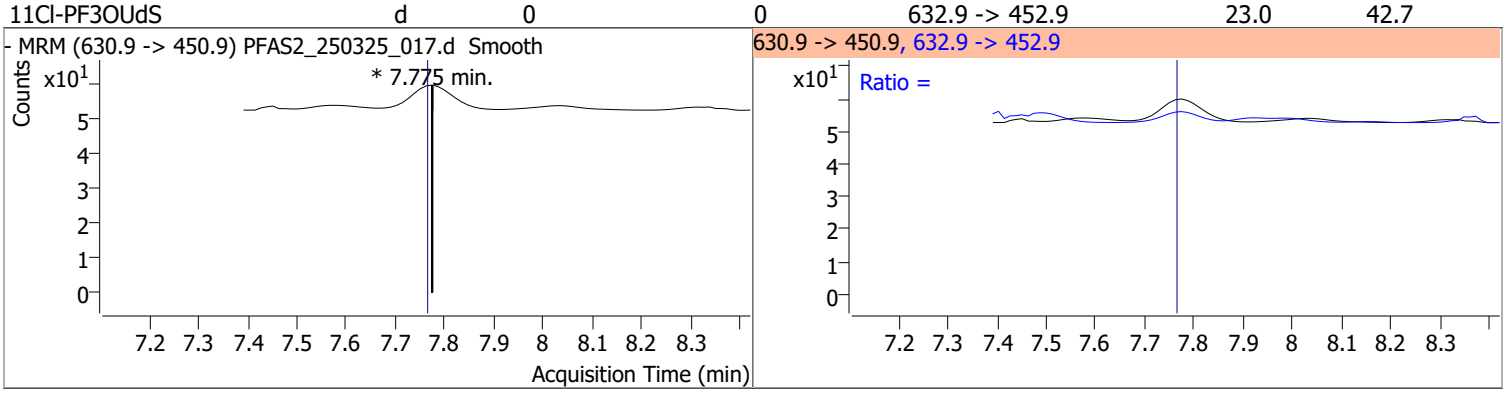
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



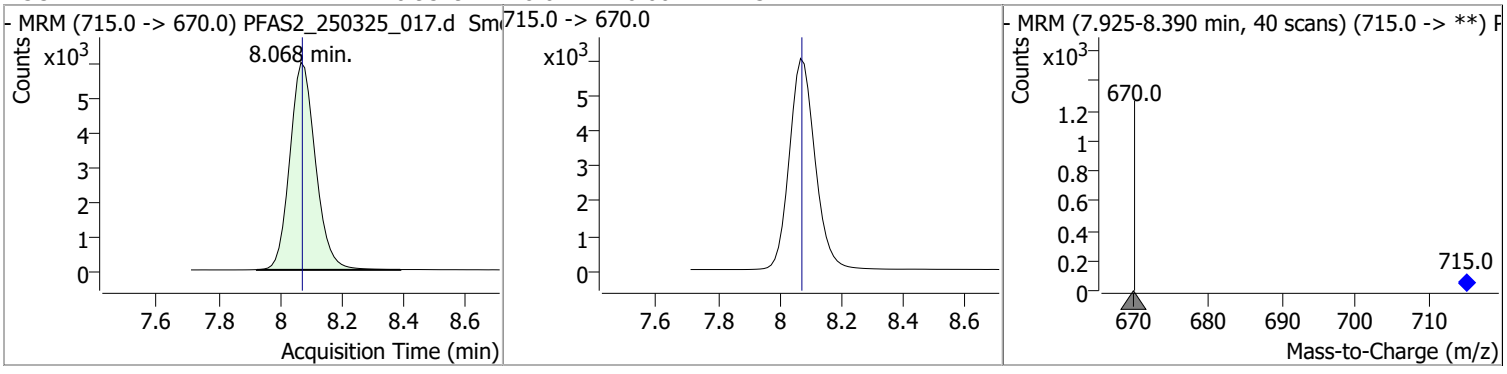
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



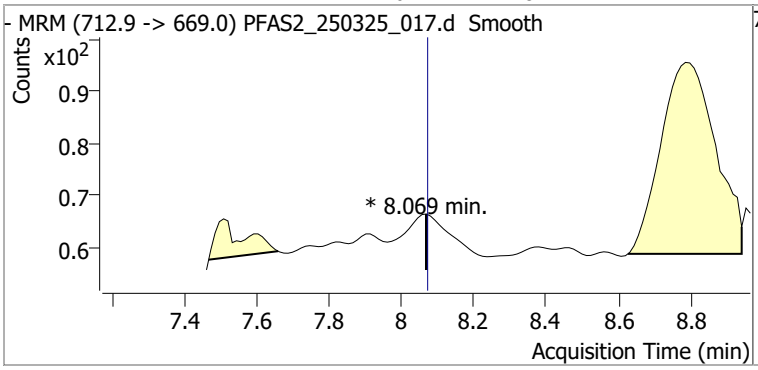
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

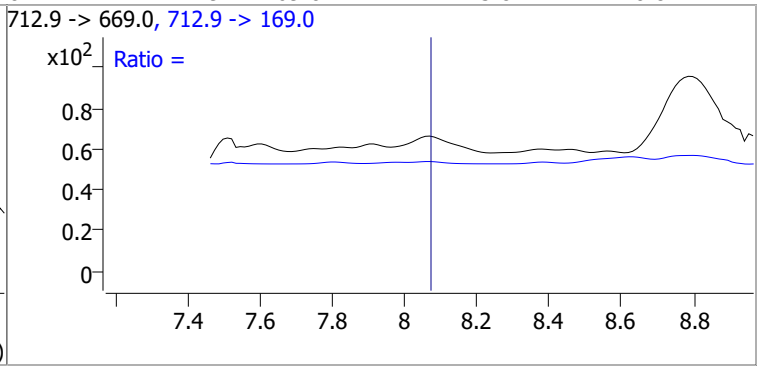


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9519	8.07	0.00	34721				

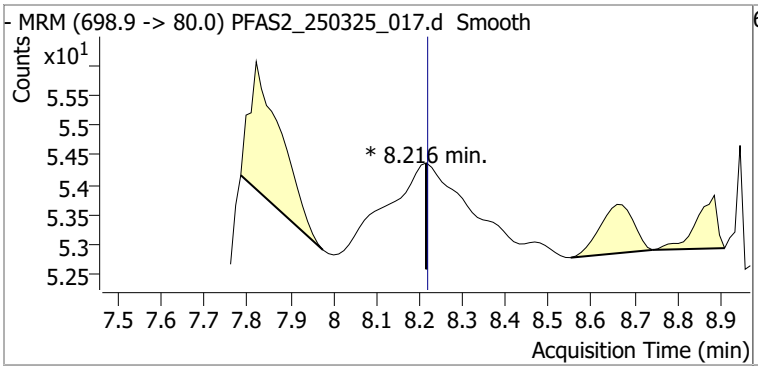


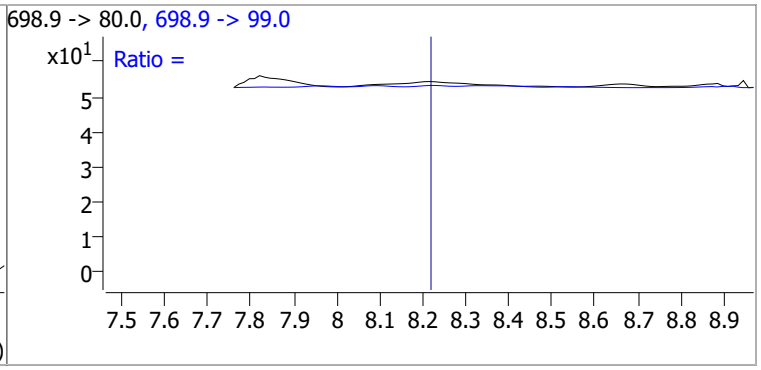
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



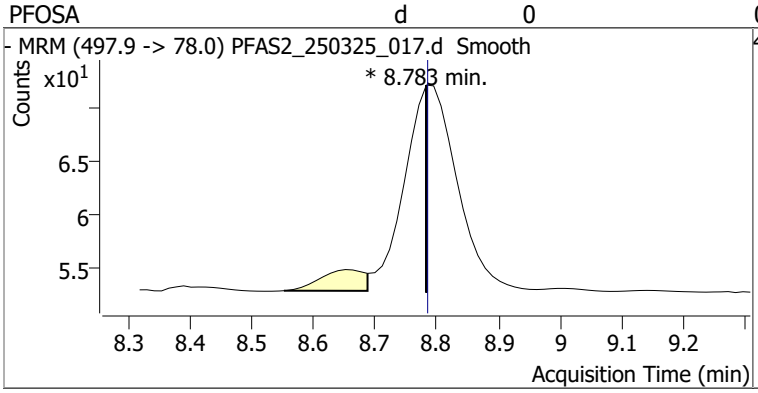


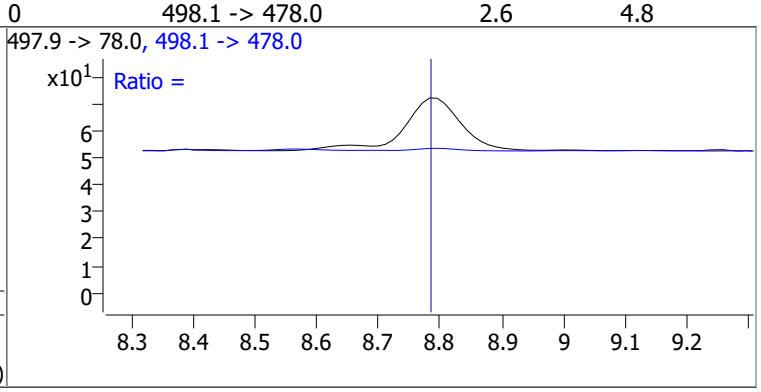
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



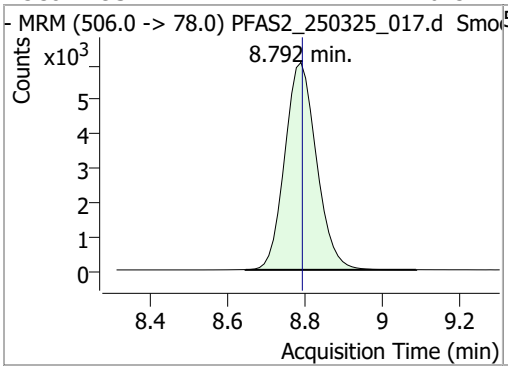


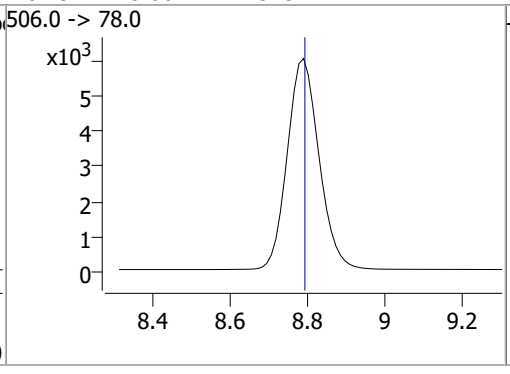
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

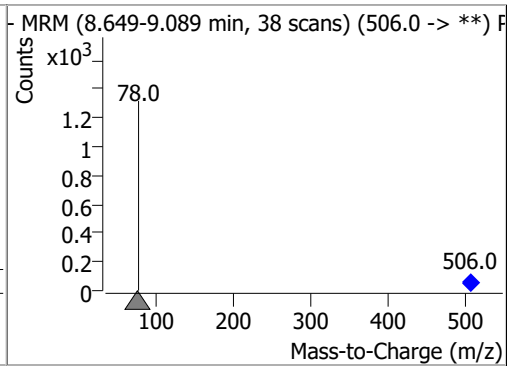




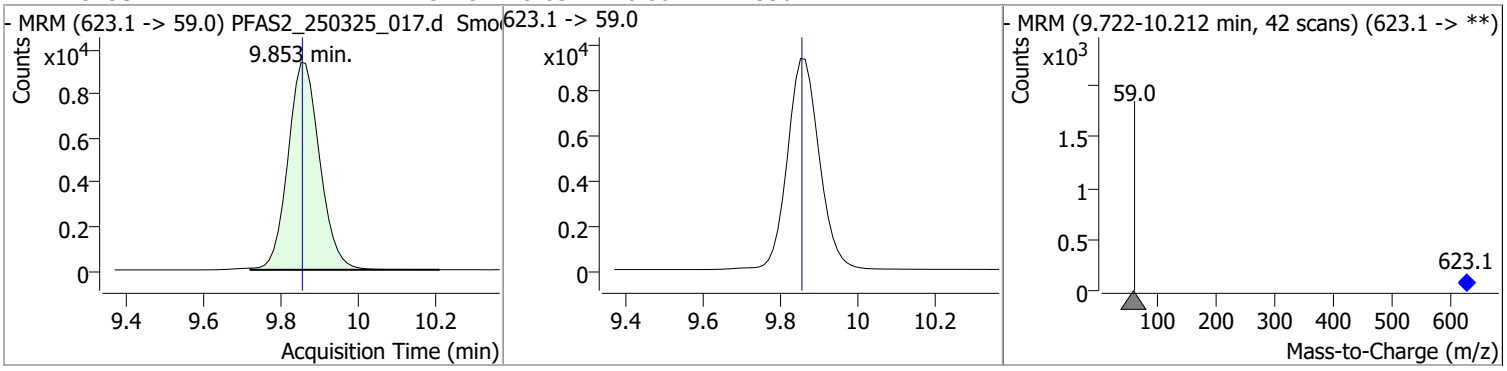
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4615	8.79	0.00	34324				



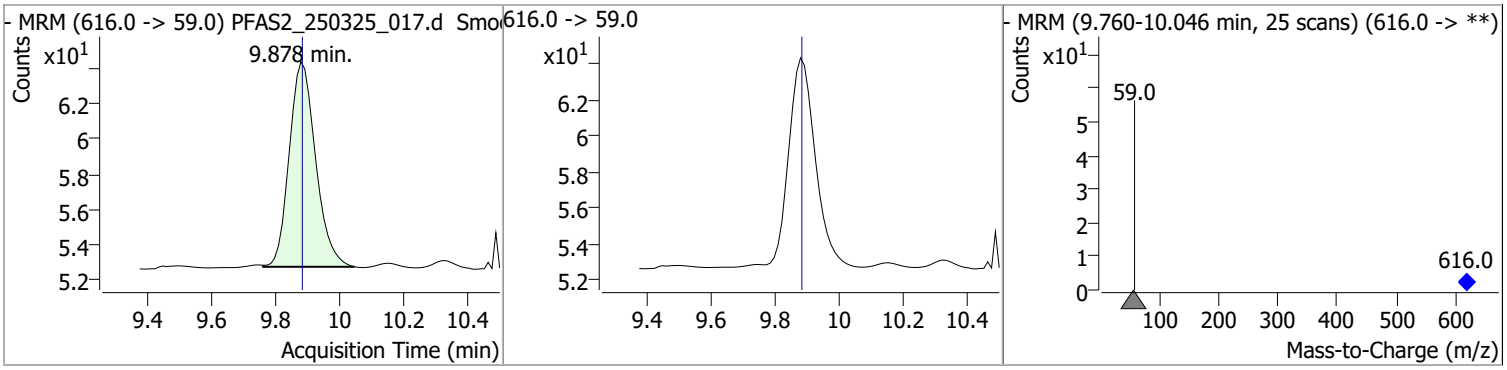




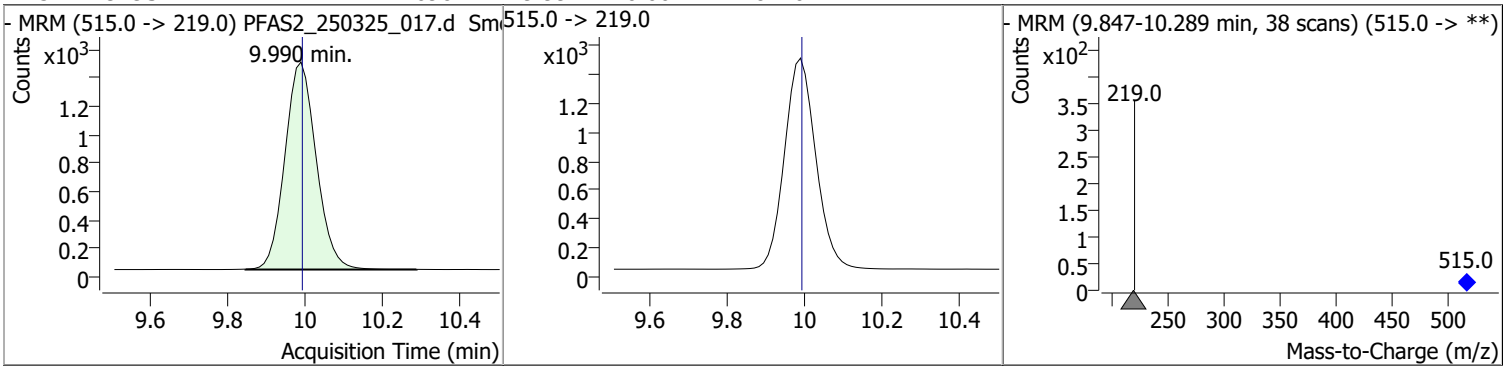
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	11.3423	9.85	0.00	53614				



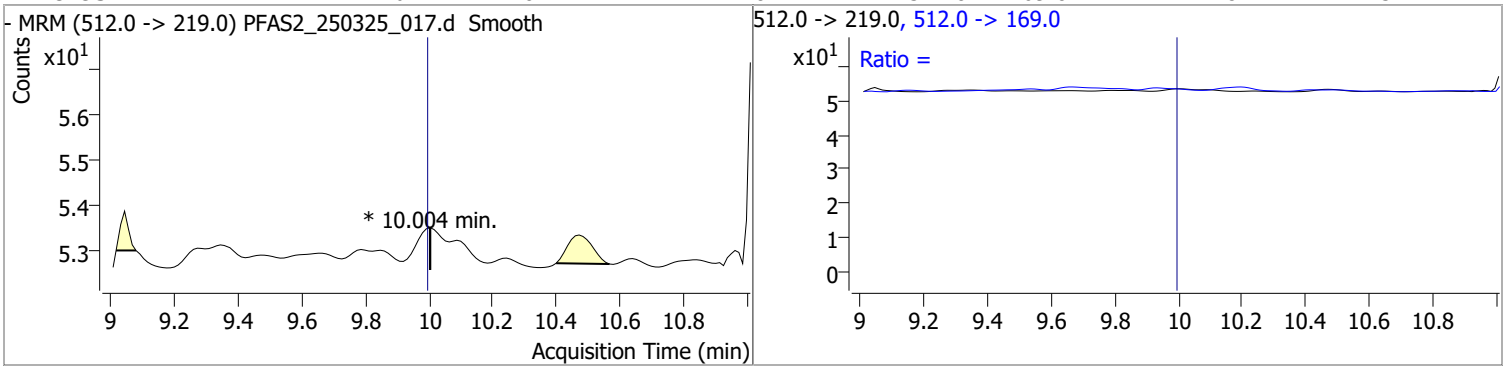
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	66				



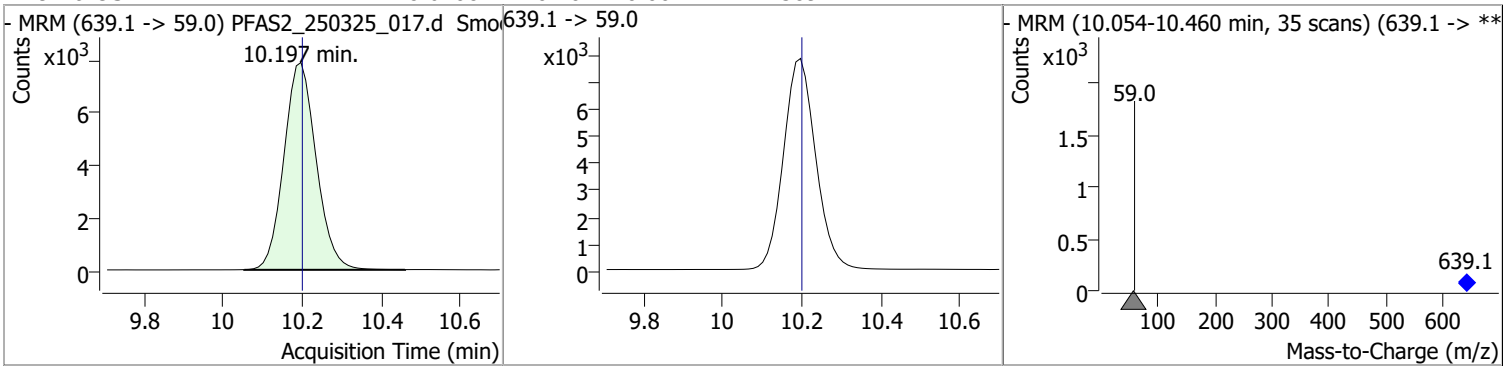
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0981	9.99	0.00	8210				



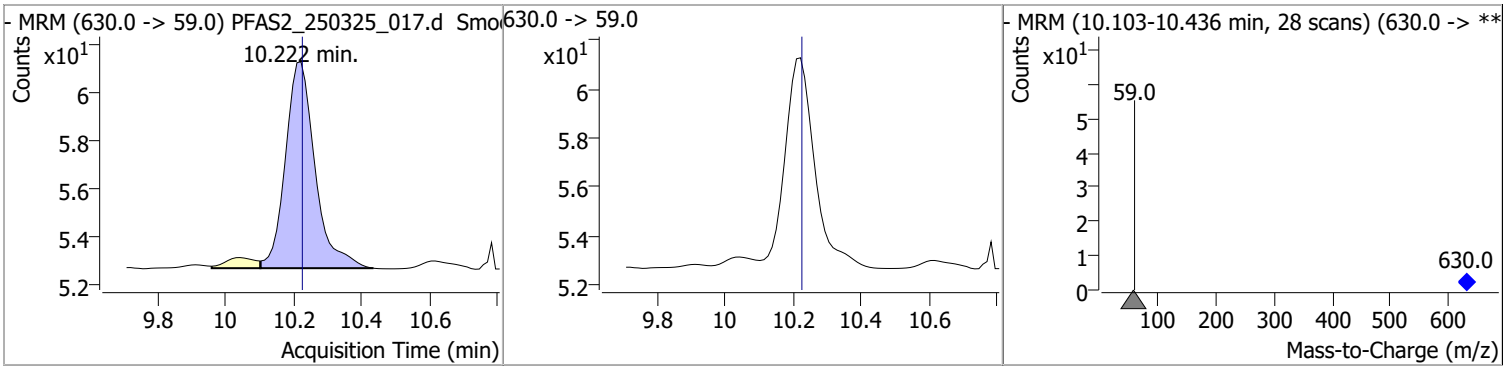
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



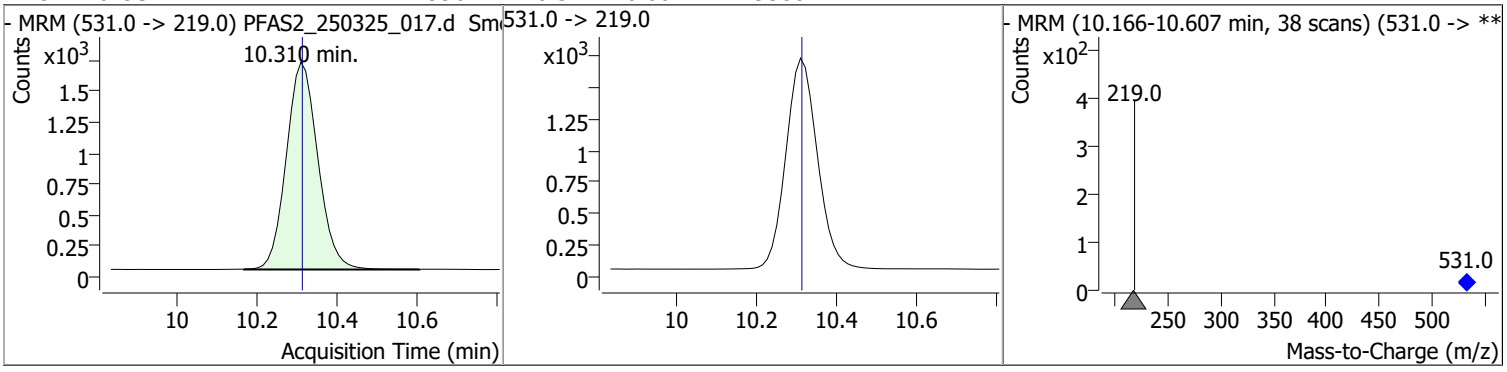
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	18.6408	10.20	0.00	44589				



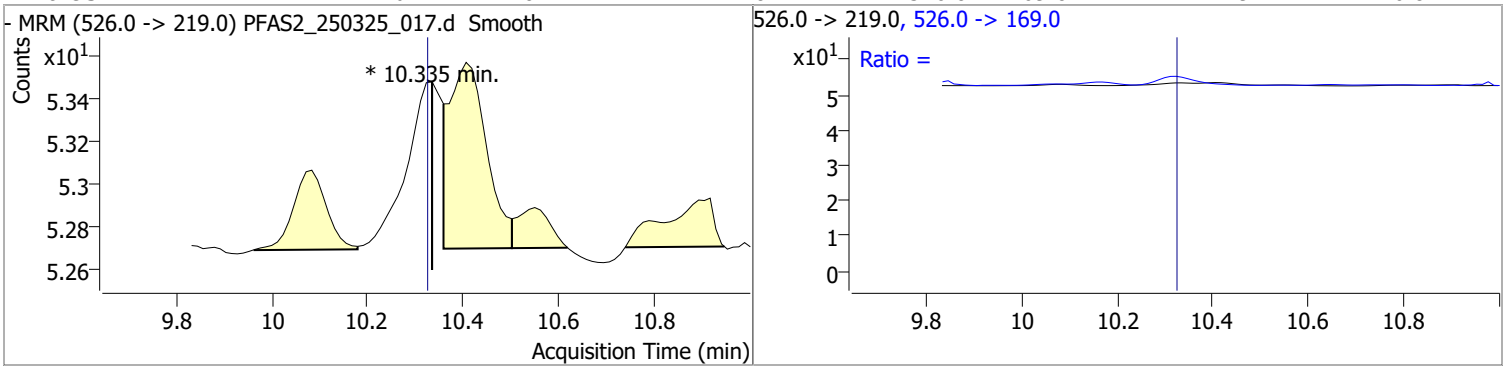
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0421	10.22	0.00	52				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1996	10.31	0.00	9308				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_017.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:31:23 PM
Sample Name	O25C0608-04	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

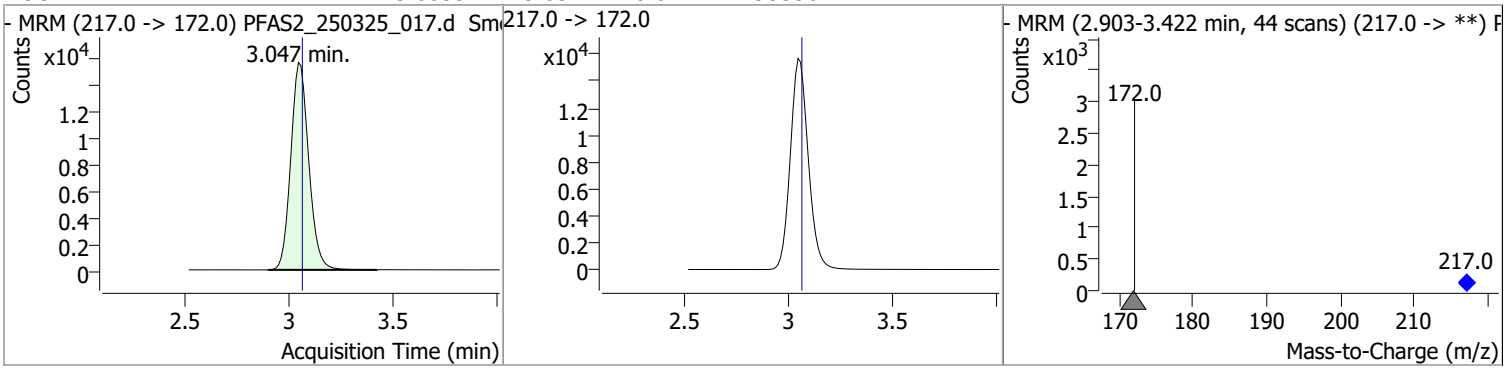
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	111472	5.0000	µg/L		-18.540
13C2-PFHxA	4.890	315.0 -> 270.0	128194	2.5000	µg/L		-16.445
18O2-PFHxS	5.943	403.0 -> 84.0	27191	2.5000	µg/L		-8.232
13C4-PFOA	5.810	417.0 -> 172.0	13915	2.5000	µg/L		-9.920
13C5-PFNA	6.214	468.0 -> 423.0	67142	1.2500	µg/L		-5.663
13C2-PFDA	6.592	515.0 -> 470.0	62957	1.2500	µg/L		-5.860
13C4-PFOS	6.759	503.0 -> 80.0	23446	2.5000	µg/L		-5.874
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	93356	10.0000	µg/L		-69.966
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 36.85%			
13C5-PFPeA	4.222	268.0 -> 223.0	168136	5.0000	µg/L		-18.743
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	168136	5.0000	µg/L		-18.743
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.26%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	39637	5.0000	µg/L	#	56.886
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 171.65%		*	
13C5-PFHxA	4.889	318.0 -> 273.0	135018	2.5000	µg/L		-20.034
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.68%			
13C5-PFHxA	4.889	318.0 -> 273.0	135018	2.5000	µg/L		-20.034
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.68%			
13C3-PFBS	4.929	302.0 -> 80.0	50728	2.5000	µg/L		-16.460
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.13%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	154357	10.0000	µg/L		-11.680
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 105.70%			
13C4-PFHpA	5.385	367.0 -> 322.0	163901	2.5000	µg/L		-13.228
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.88%			
13C3-PFHxS	5.944	402.0 -> 80.0	30827	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	18086	5.0000	µg/L	#	22.461
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 133.59%			
13C8-PFOA	5.809	421.0 -> 376.0	153424	2.5000	µg/L		-11.182
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.62%			
13C3-PFHxS	5.944	402.0 -> 80.0	30827	2.5000	µg/L		-11.792
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.15%			
13C9-PFNA	6.213	472.0 -> 427.0	63066	1.2500	µg/L		-10.499
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.83%			
13C8-PFOS	6.759	507.0 -> 80.0	22628	2.5000	µg/L		-10.503
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.12%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	11913	5.0000	µg/L	#	0.566
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.45%			
13C6-PFDA	6.591	519.0 -> 474.0	64095	1.2500	µg/L		-5.688
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.09%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51339	5.0000	µg/L		-8.026
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.60%			
13C8-PFOS	6.759	507.0 -> 80.0	22628	2.5000	µg/L		-10.503

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.12%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	39075	5.0000	µg/L		-7.338
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.40%			
13C7-PFUnDA	6.966	570.0 -> 525.0	51047	1.2500	µg/L		-4.768
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.15%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	36990	1.2500	µg/L		-16.151
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.92%			
13C2-PFDoDA	7.344	615.0 -> 570.0	39259	1.2500	µg/L		-1.717
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.41%			
13C2-PFTDA	8.068	715.0 -> 670.0	34721	1.2500	µg/L		-28.092
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.15%			
13C8-PFOSA	8.792	506.0 -> 78.0	34324	2.5000	µg/L		-7.135
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.46%			
13C8-PFOSA	8.792	506.0 -> 78.0	34324	2.5000	µg/L		-7.135
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.46%			
2H7-MeFOSE	9.853	623.1 -> 59.0	53614	25.0000	µg/L		-57.328
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 45.37%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8210	2.5000	µg/L		-20.820
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.92%			
2H9-EtFOSE	10.197	639.1 -> 59.0	44589	25.0000	µg/L		-29.791
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 74.56%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9308	2.5000	µg/L		-17.193
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.98%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	17612	2.2298	µg/L		100
PFMPA	3.602	229.0 -> 85.0	234	0.0694	µg/L		100
3-3 FTCA	3.718	241.0 -> 177.0	53	0.0361	µg/L		81
PFPeA	4.223	263.0 -> 219.0	48295	1.5746	µg/L		100
PFMBA	4.453	279.0 -> 85.0	81	0.0371	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	23	0.0009	µg/L		41
NFDHA	0.000		0	N.D.			
PFHxA	4.892	313.0 -> 269.0	35636	0.7376	µg/L		99
PFBS	4.930	298.9 -> 80.0	4946	0.2350	µg/L		92
HFPO-DA	5.087	285.0 -> 169.0	65	0.0047	µg/L	#	1
PFEESA	0.000		0	N.D.			
PFHpA	5.386	363.0 -> 319.0	16526	0.2818	µg/L		99
5-3 FTCA	5.447	341.0 -> 237.0	44	0.1885	µg/L		84
PFPeS	5.482	348.9 -> 80.0	976	0.0587	µg/L	#	78
DONA	6.064	377.0 -> 251.0	96	0.0685	µg/L		46
6-2 FTSA	5.631	427.0 -> 407.0	108	0.1184	µg/L	#	60
PFOA	5.810	413.0 -> 369.0	19071	0.3497	µg/L		100
PFHxS	5.945	398.9 -> 80.0	1452	0.1211	µg/L		99
PFNA	6.214	463.0 -> 419.0	3845	0.0849	µg/L		94
PFHpS	6.358	448.9 -> 80.0	10	0.0011	µg/L		26
8-2 FTSA	6.424	527.0 -> 507.0	11	0.0743	µg/L		47
PFDA	6.592	513.0 -> 469.0	2242	0.0446	µg/L	#	89
7-3 FTCA	6.620	441.0 -> 317.0	65	0.2672	µg/L		88
N-MeFOSAA	6.730	570.0 -> 419.0	42	0.0128	µg/L		33
PFOS	6.760	498.9 -> 80.0	1051	0.1464	µg/L		94
N-EtFOSAA	6.776	584.0 -> 419.0	57	0.0189	µg/L		24
PFUnDA	6.979	563.0 -> 519.0	900	0.0369	µg/L	#	88
9Cl-PF3ONS	7.160	530.9 -> 350.9	40	0.0658	µg/L		44
PFNS	7.064	548.9 -> 80.0	14	0.0018	µg/L		26
PFDoDA	7.332	613.0 -> 569.0	221	0.0077	µg/L		65

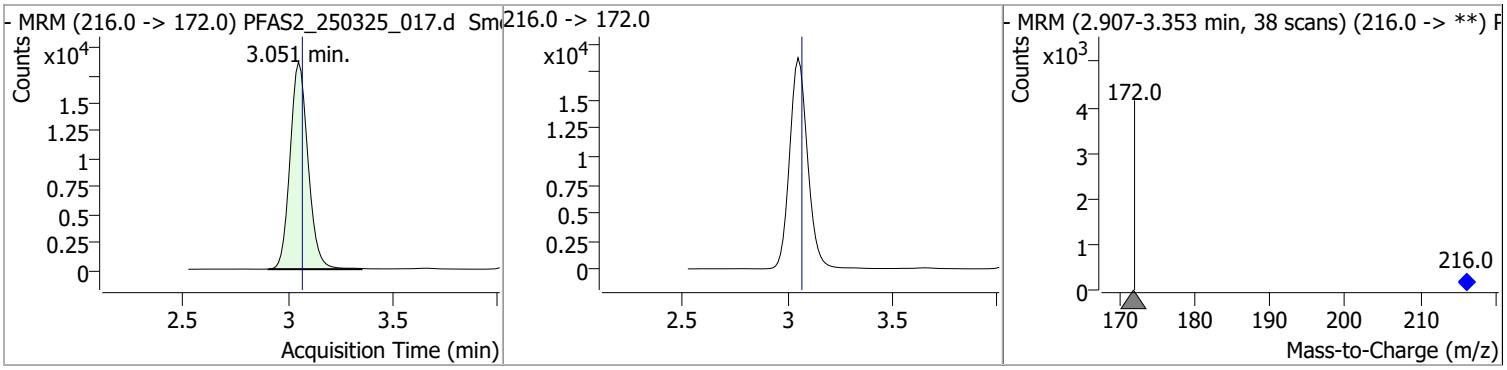
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.525	598.9 -> 80.0	19	0.0033	µg/L		22
PFTrDA	7.629	663.0 -> 619.0	308	0.0110	µg/L		72
11Cl-PF3OUdS	7.775	630.9 -> 450.9	37	0.0018	µg/L	#	78
PFTDA	8.069	712.9 -> 669.0	63	0.0086	µg/L	#	91
PFDoS	8.216	698.9 -> 80.0	17	0.0042	µg/L	#	30
PFOSA	8.783	497.9 -> 78.0	117	0.0098	µg/L	#	96
MeFOSE	9.878	616.0 -> 59.0	66	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	6	0.0018	µg/L	#	66
EtFOSE	10.222	630.0 -> 59.0	52	0.0421	µg/L		100
N-EtFOSA	10.335	526.0 -> 219.0	4	0.0011	µg/L	#	1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

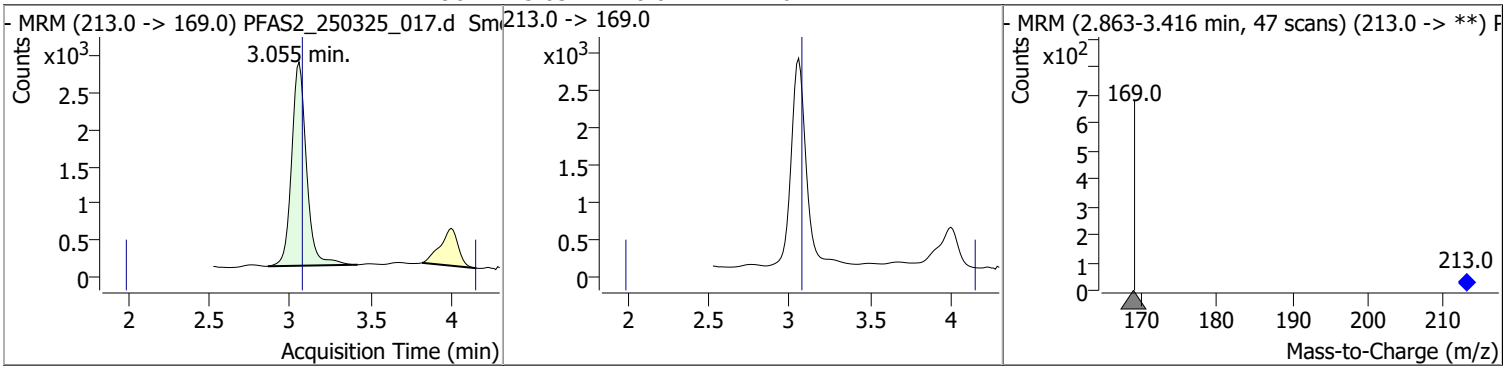
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	3.6853	3.05	-0.01	93356				



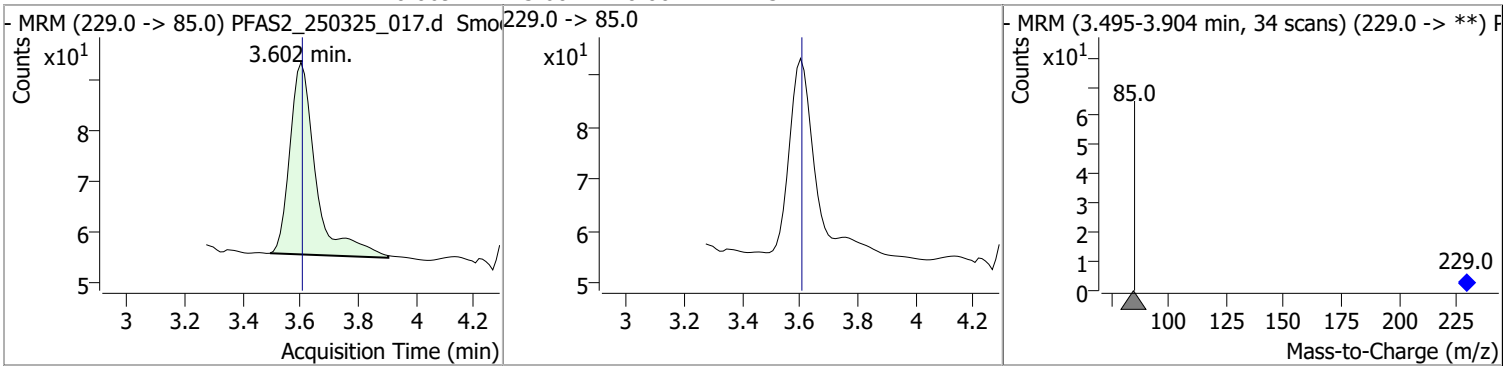
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	111472				



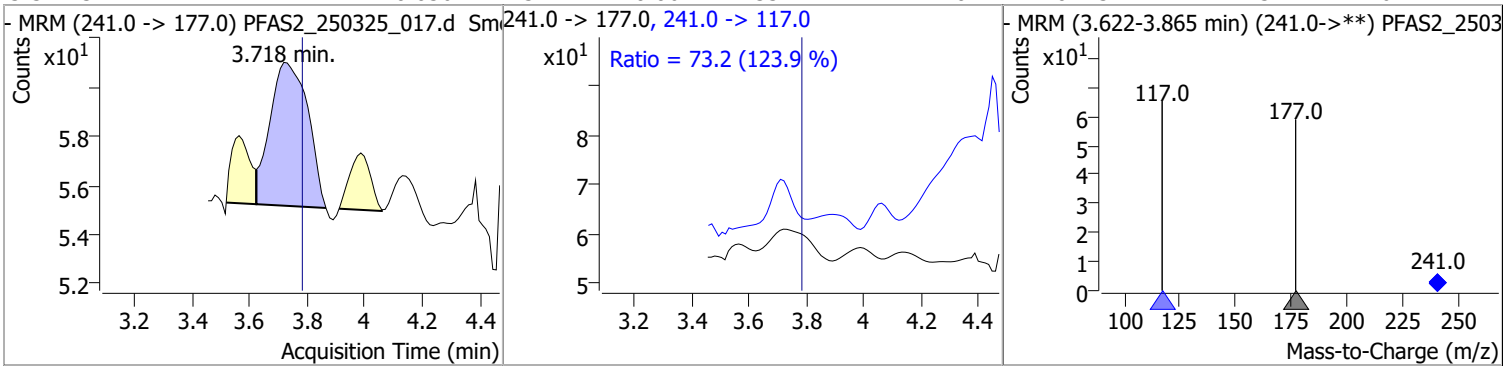
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.2298	3.05	-0.01	17612				



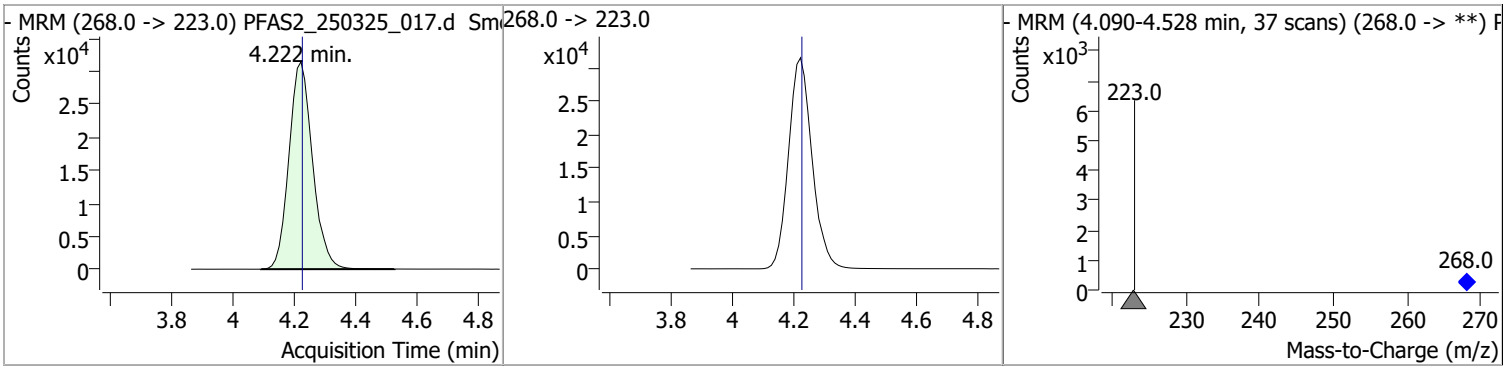
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0694	3.60	0.00	234				



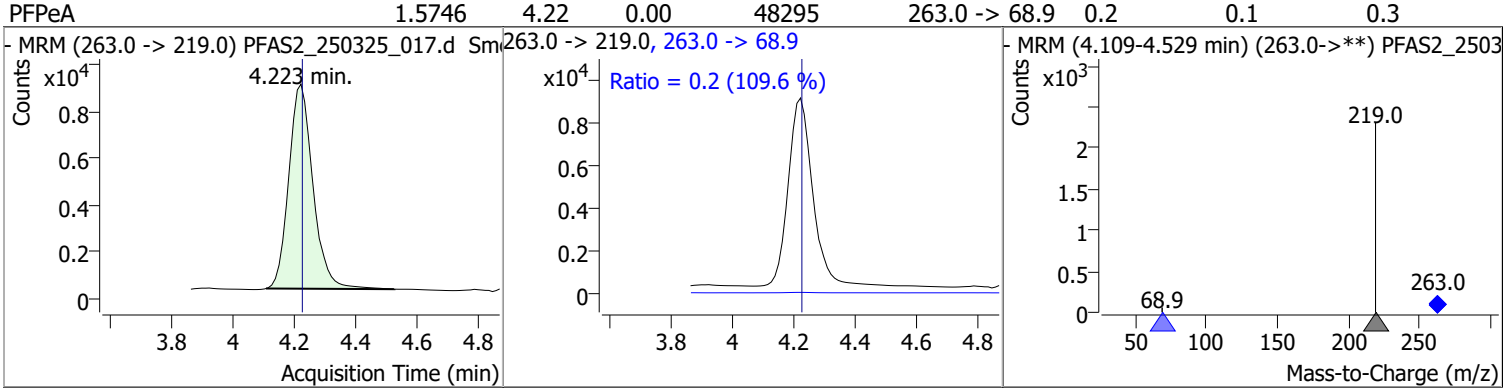
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0361	3.72	-0.06	53	241.0 -> 117.0	73.2	41.3	76.7



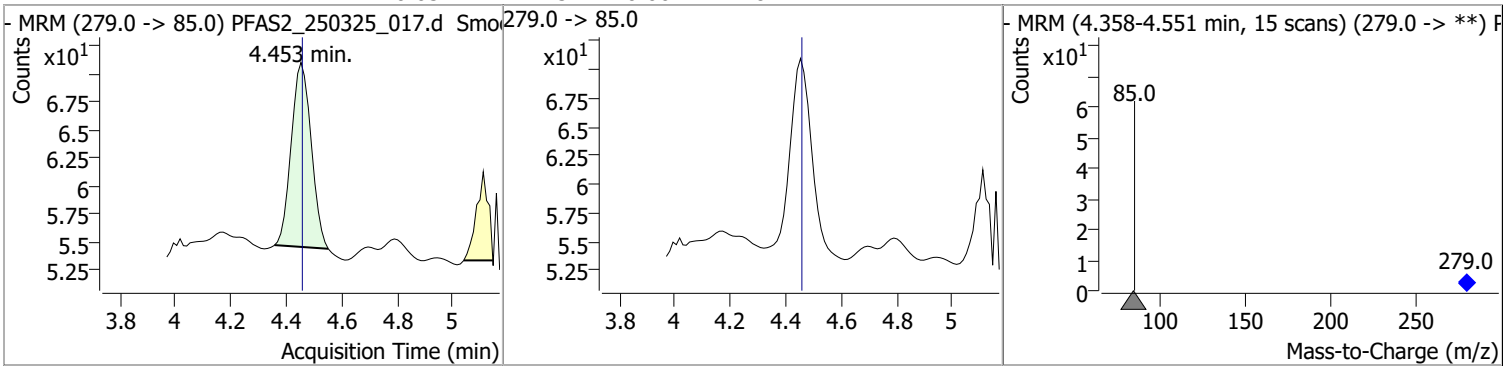
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8628	4.22	0.00	168136				



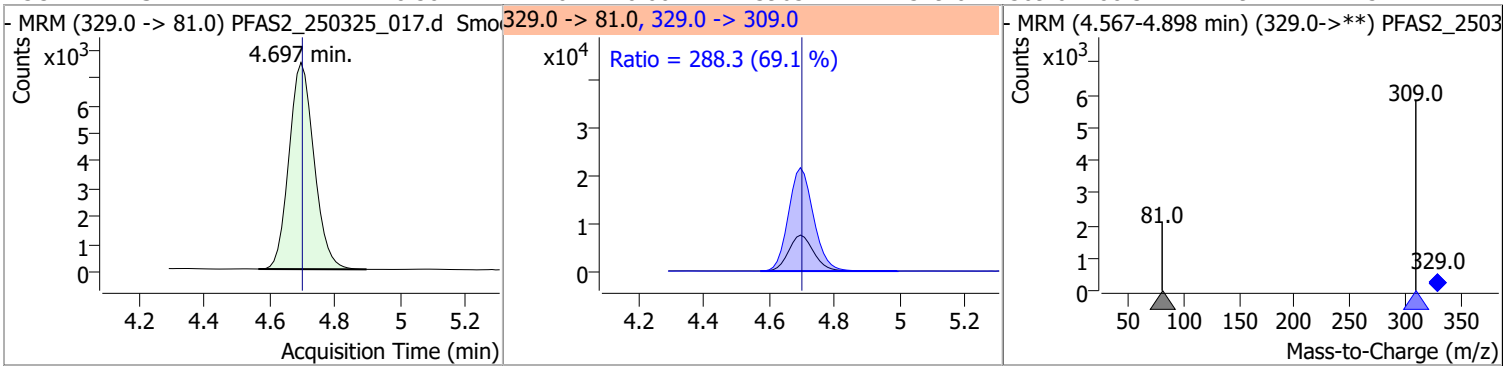
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.5746	4.22	0.00	48295	263.0 -> 68.9	0.2	0.1	0.3



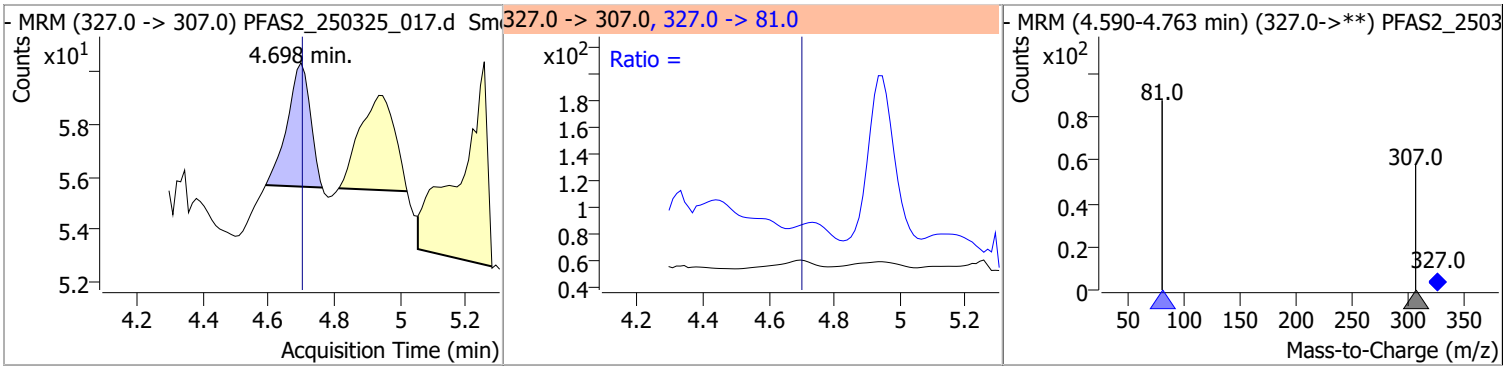
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0371	4.45	0.00	81				



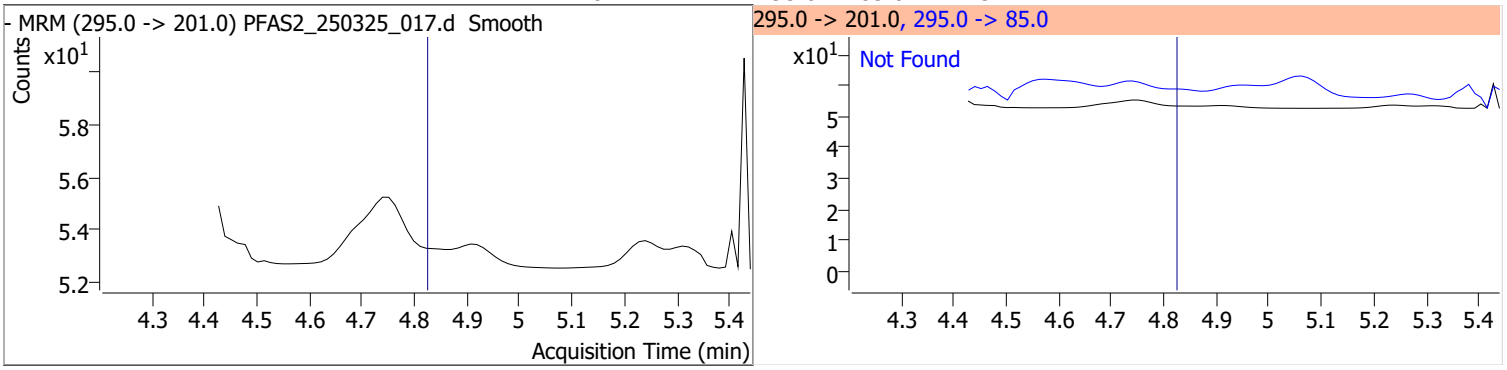
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	8.5827	4.70	0.00	39637	329.0 -> 309.0	288.3	292.1	542.4



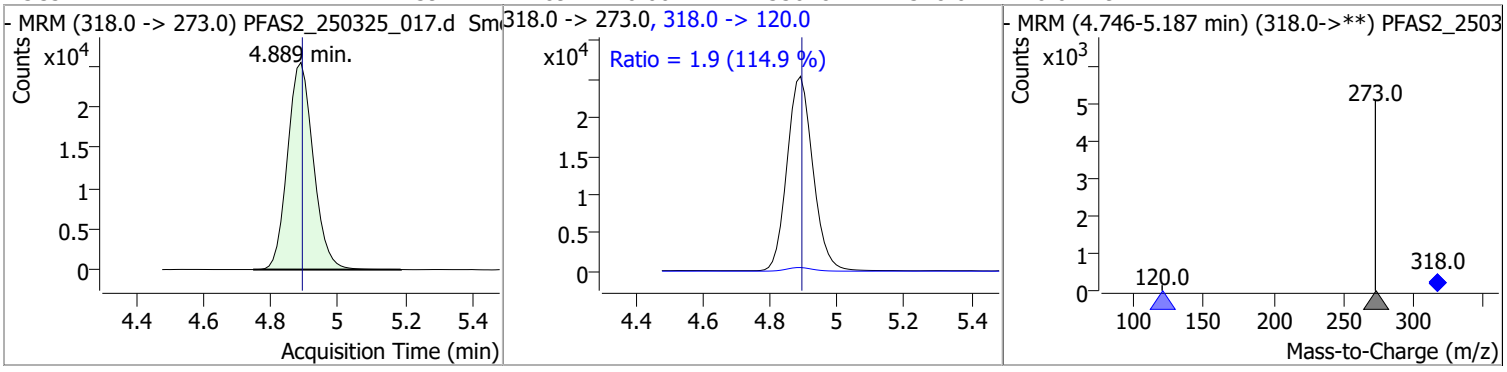
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0009	4.70	0.00	23	327.0 -> 81.0		23.6	43.9



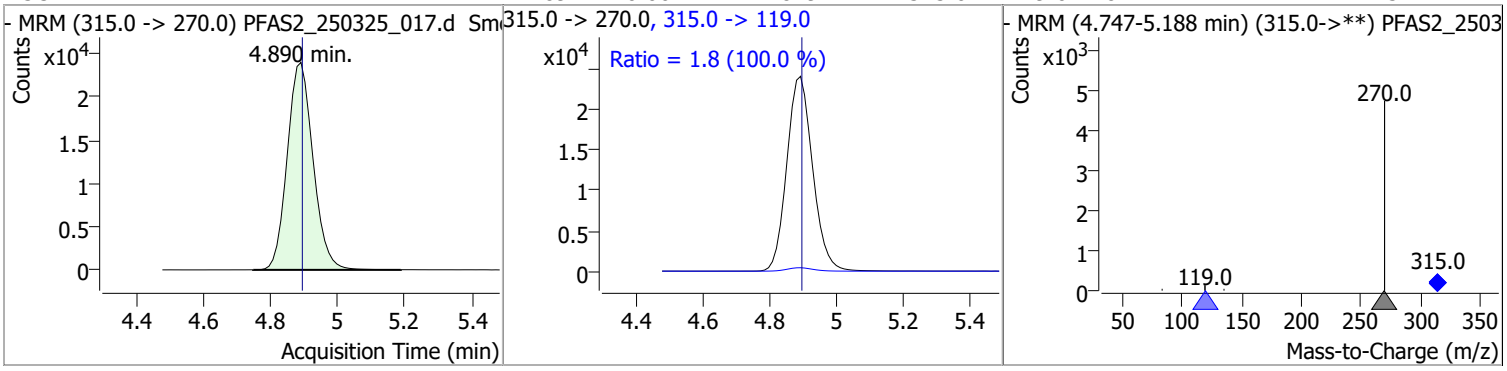
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



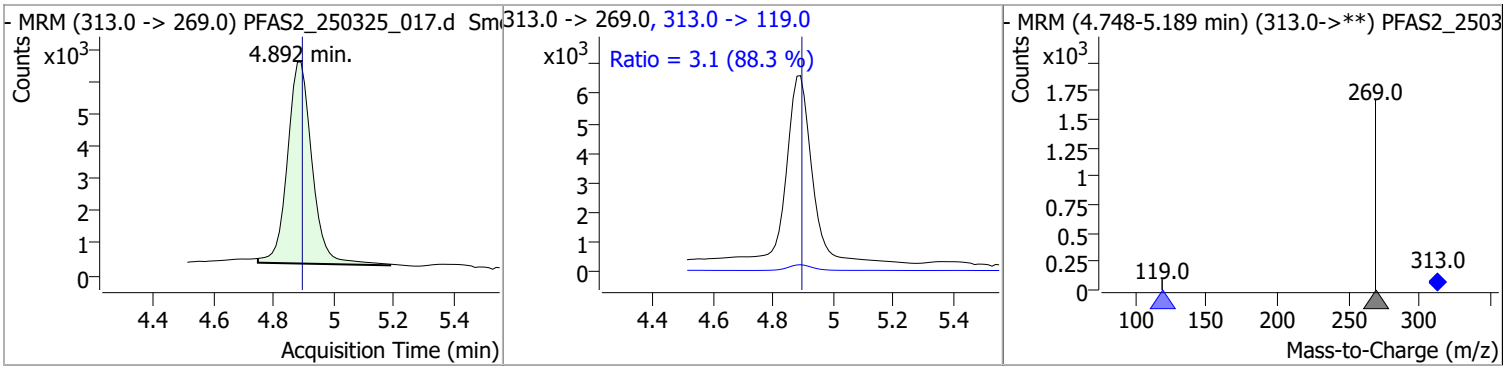
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3921	4.89	0.00	135018	318.0 -> 120.0	1.9	1.1	2.1



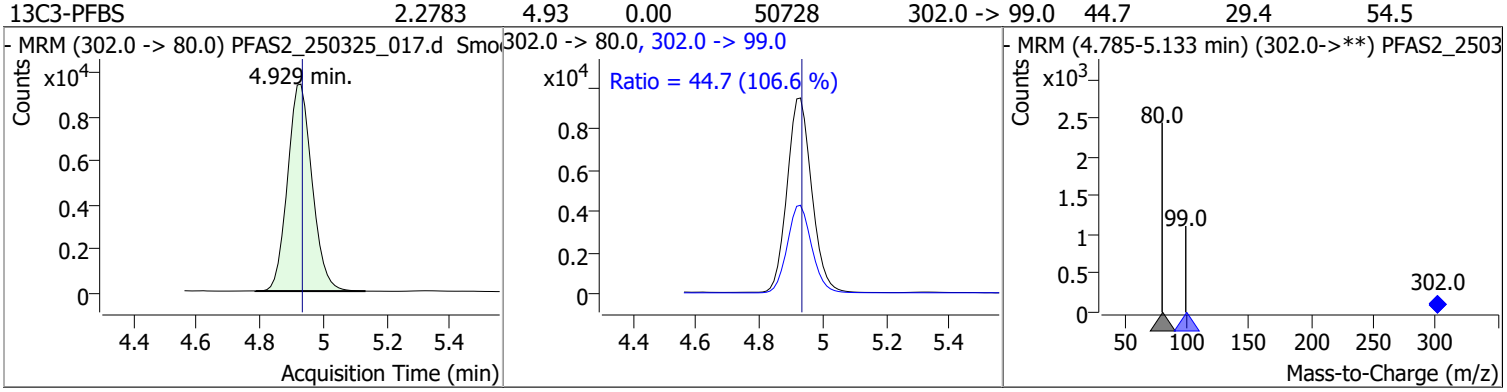
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	128194	315.0 -> 119.0	1.8	1.2	2.3



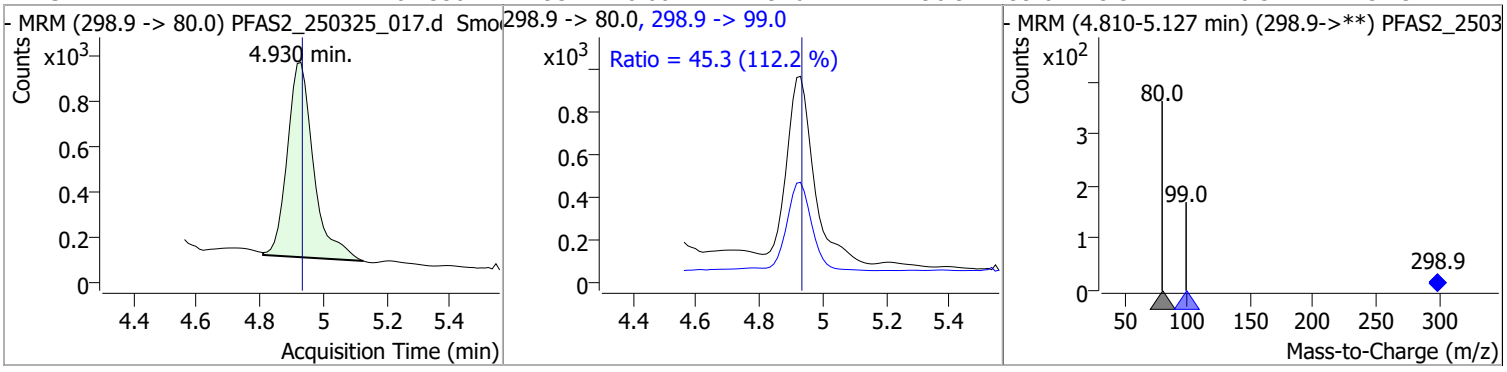
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.7376	4.89	0.00	35636	313.0 -> 119.0	3.1	2.4	4.5



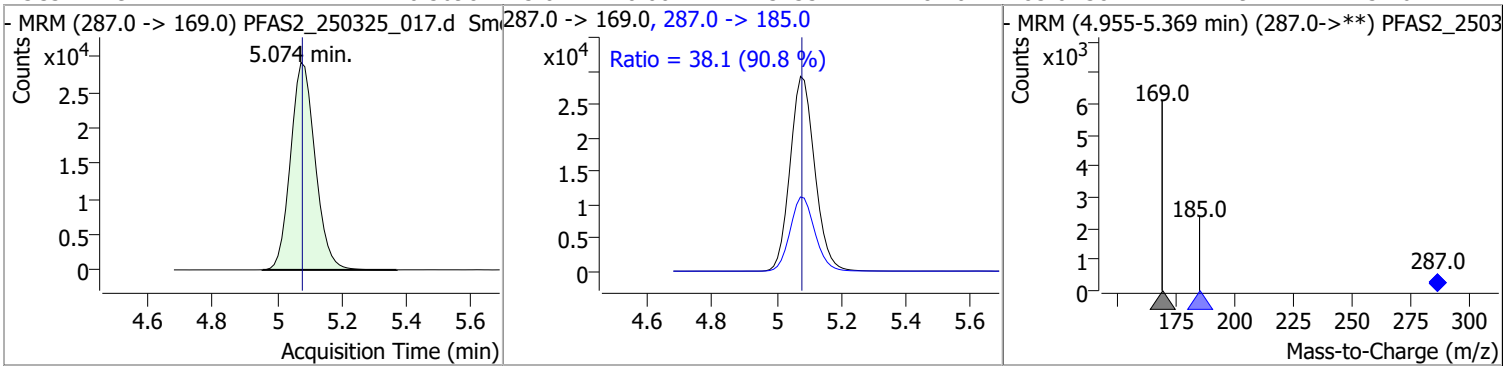
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2783	4.93	0.00	50728	302.0 -> 99.0	44.7	29.4	54.5



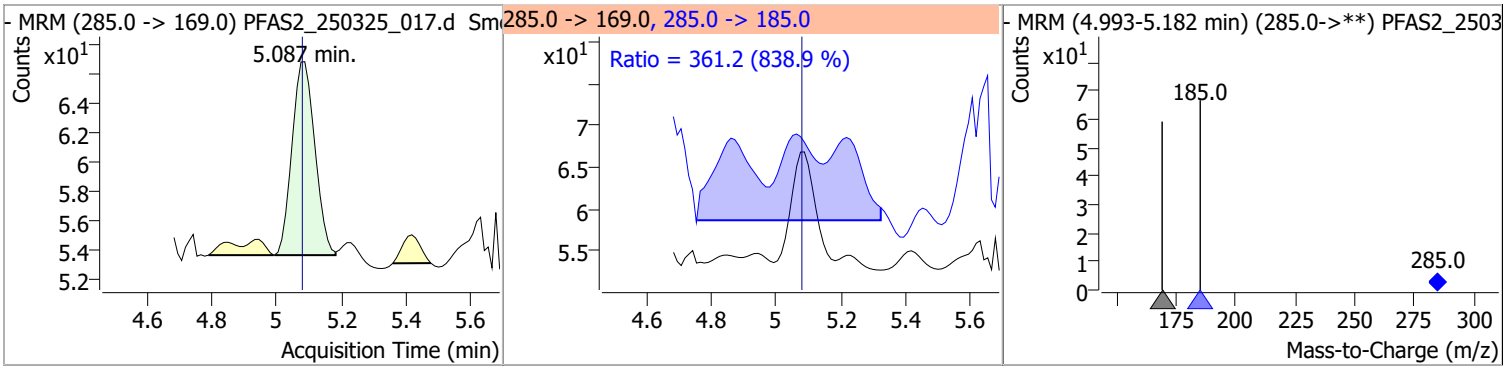
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.2350	4.93	0.00	4946	298.9 -> 99.0	45.3	28.3	52.5



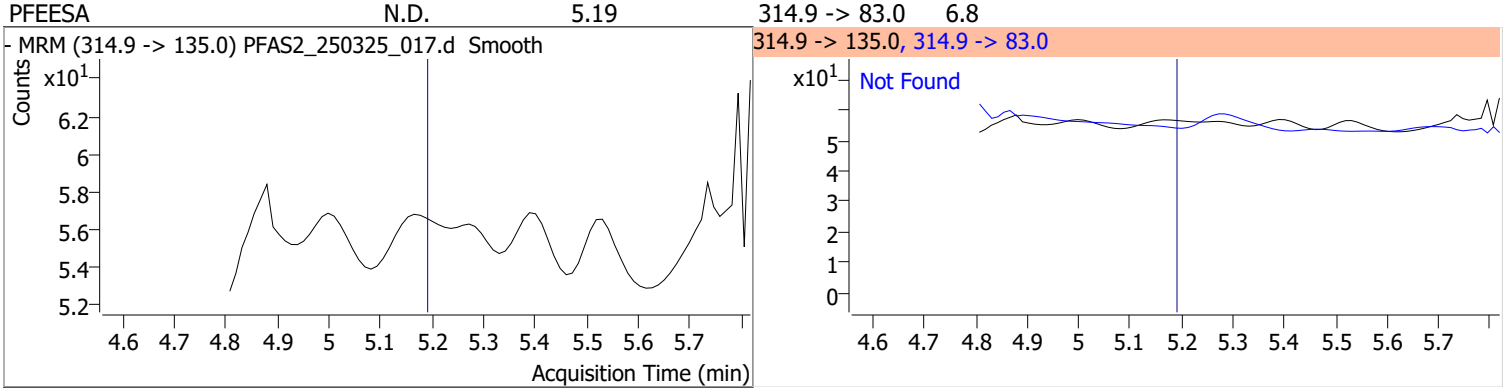
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.5698	5.07	0.00	154357	287.0 -> 185.0	38.1	29.4	54.6



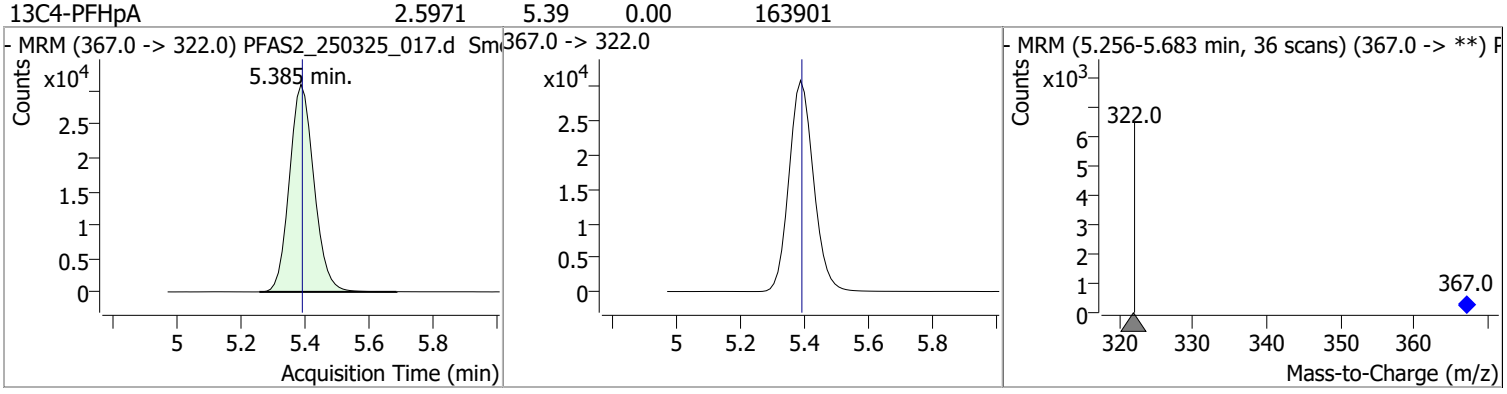
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0047	5.09	0.01	65	285.0 -> 185.0	361.2	30.1	56.0



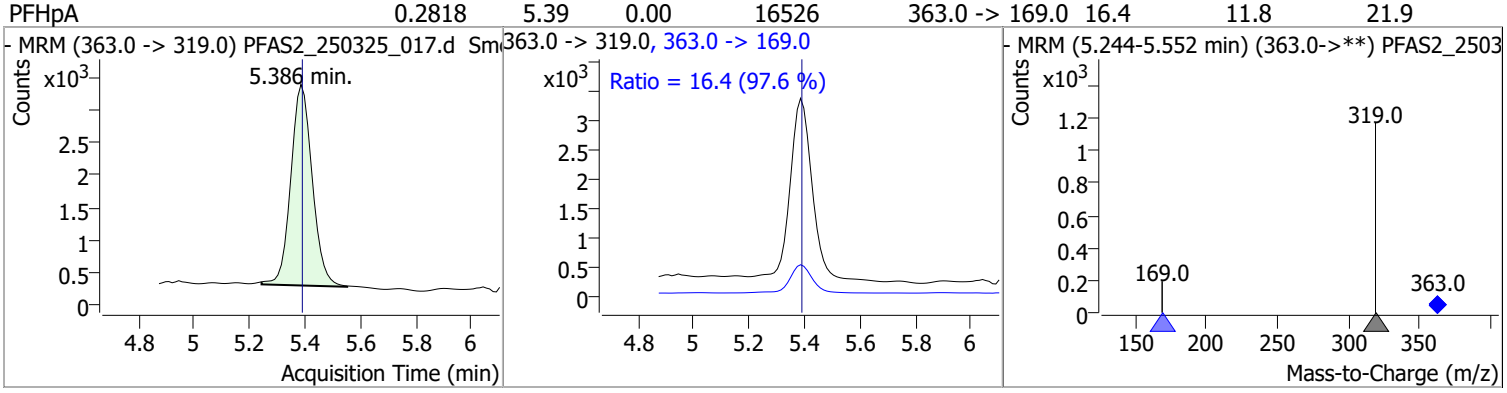
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.19	314.9 -> 83.0	6.8



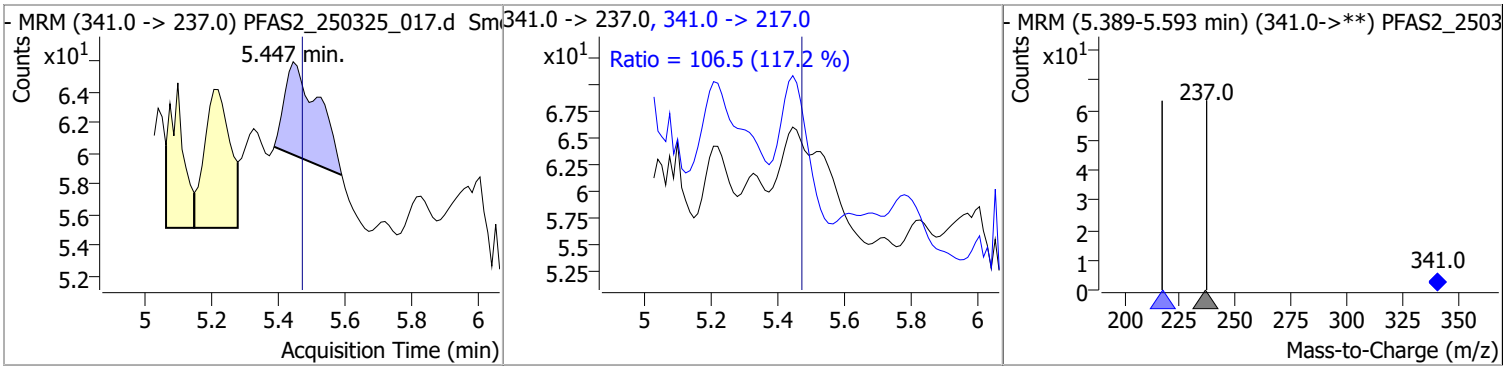
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5971	5.39	0.00	163901				



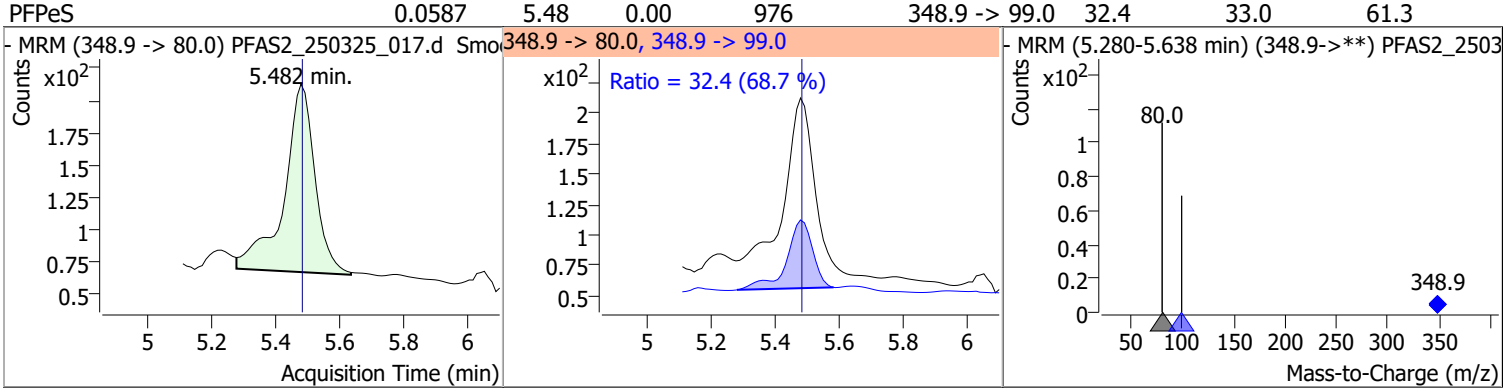
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2818	5.39	0.00	16526	363.0 -> 169.0	16.4	11.8	21.9



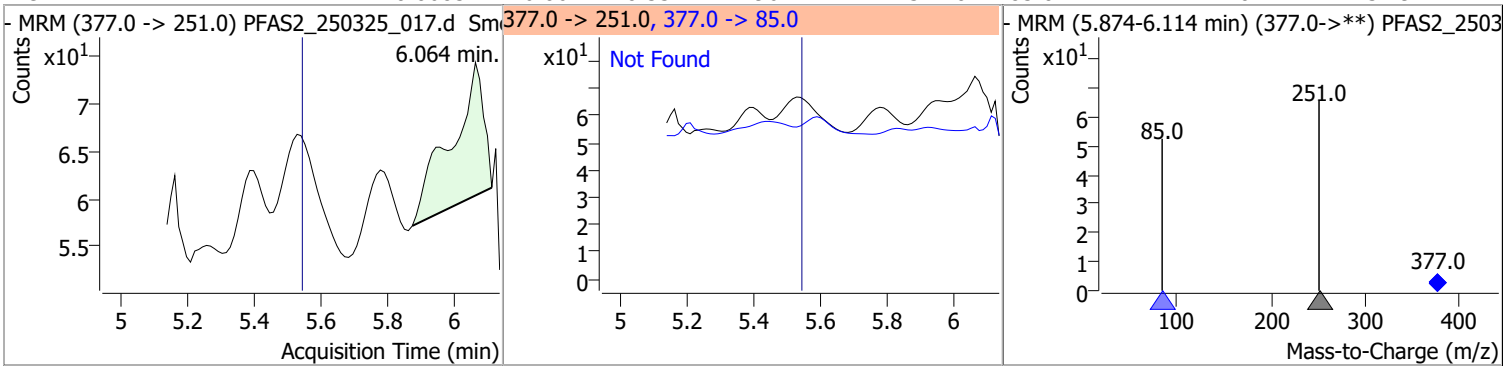
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1885	5.45	-0.02	44	341.0 -> 217.0	106.5	63.6	118.1



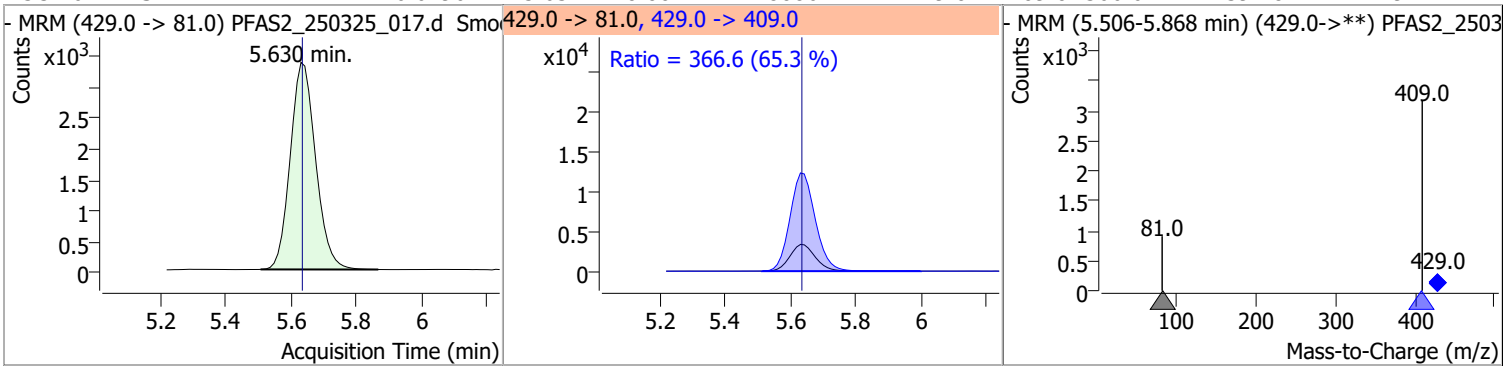
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0587	5.48	0.00	976	348.9 -> 99.0	32.4	33.0	61.3



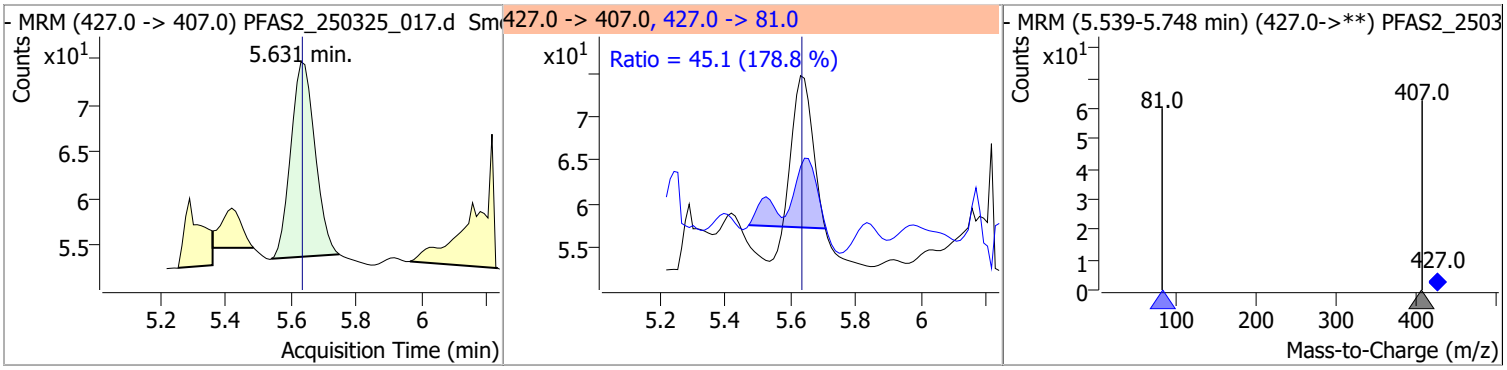
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0685	6.06	0.53	96	377.0 -> 85.0		20.4	37.9



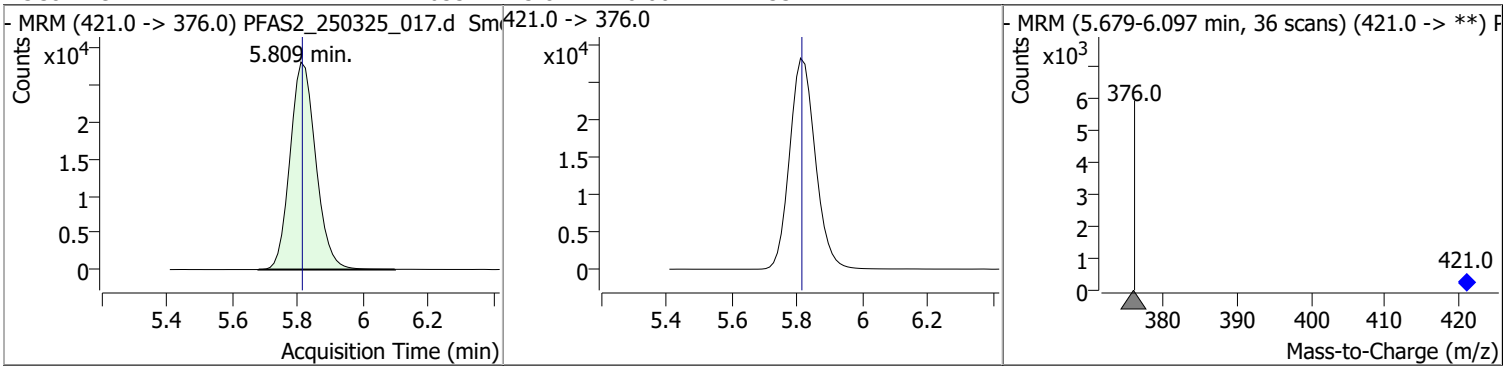
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.6796	5.63	0.00	18086	429.0 -> 409.0	366.6	392.8	729.4



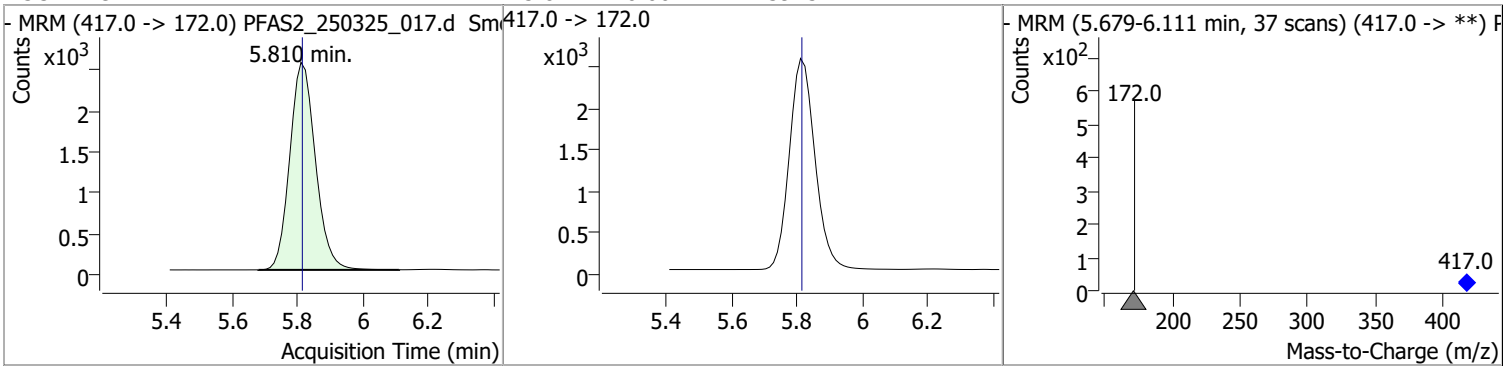
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1184	5.63	0.00	108	427.0 -> 81.0	45.1	17.7	32.8



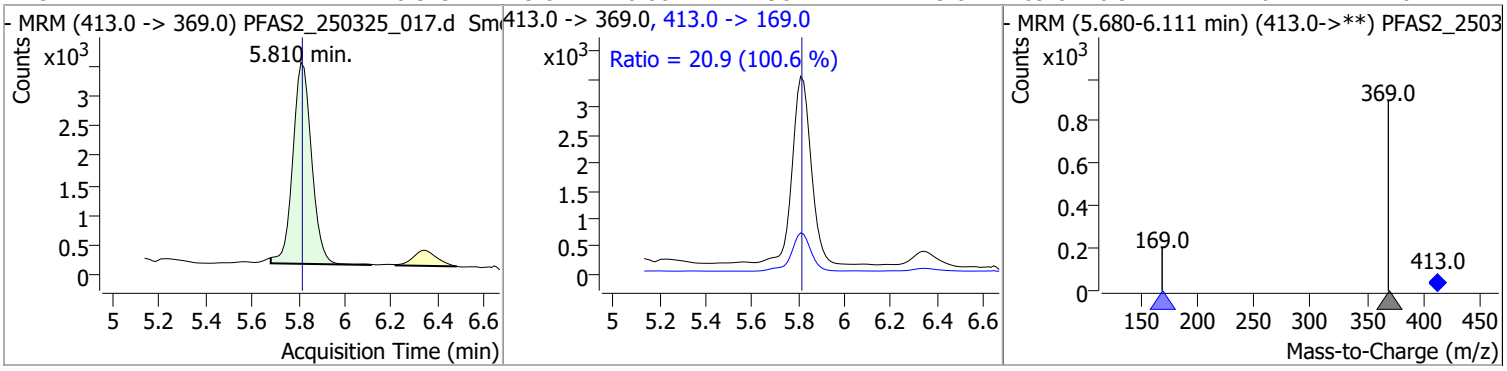
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4655	5.81	0.00	153424				



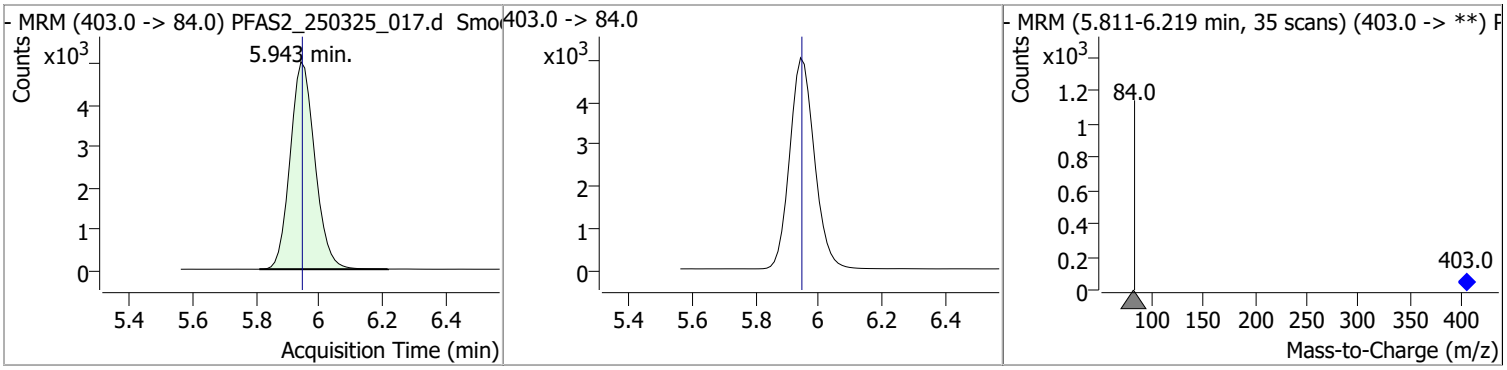
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	13915				



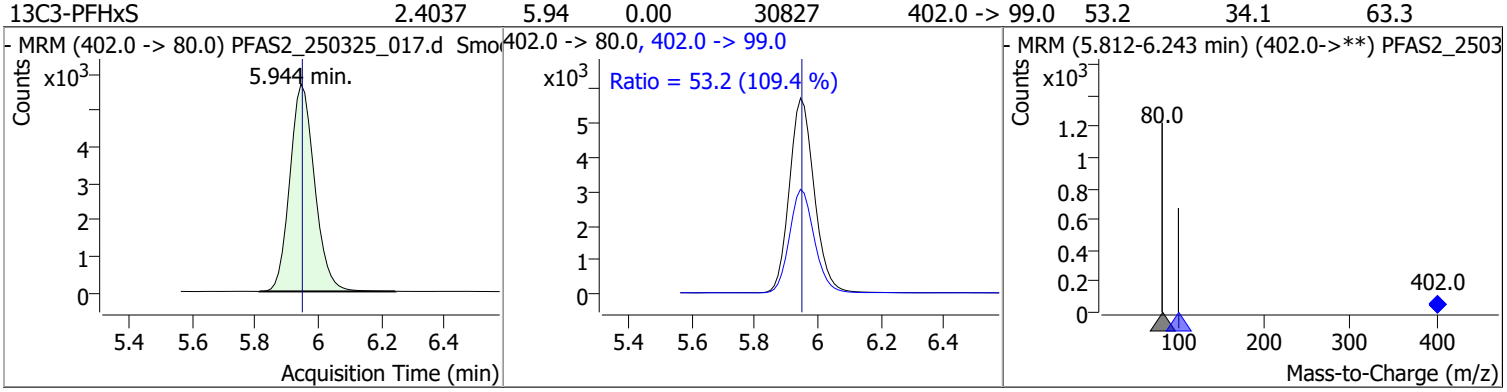
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.3497	5.81	0.00	19071	413.0 -> 169.0	20.9	14.6	27.0



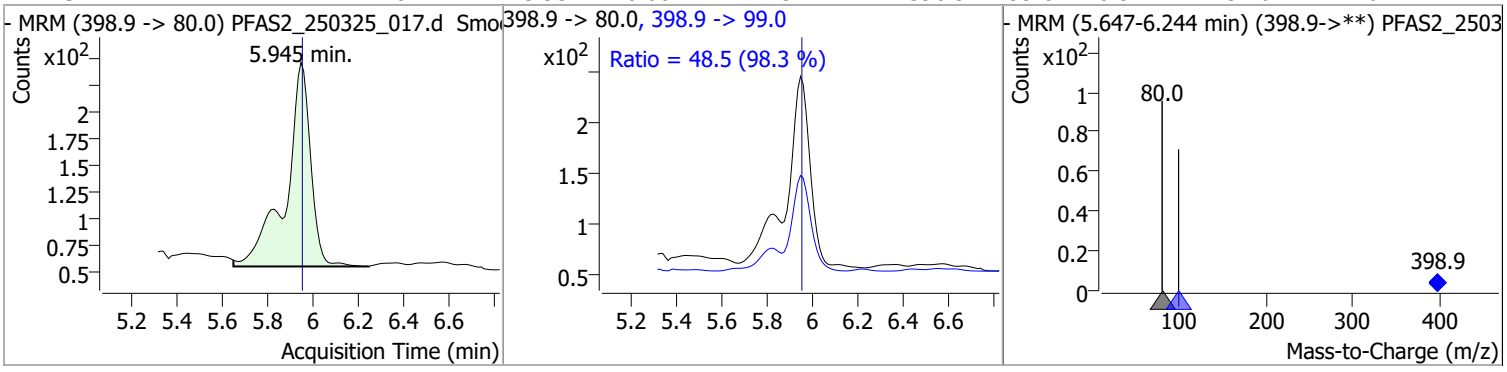
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	27191				



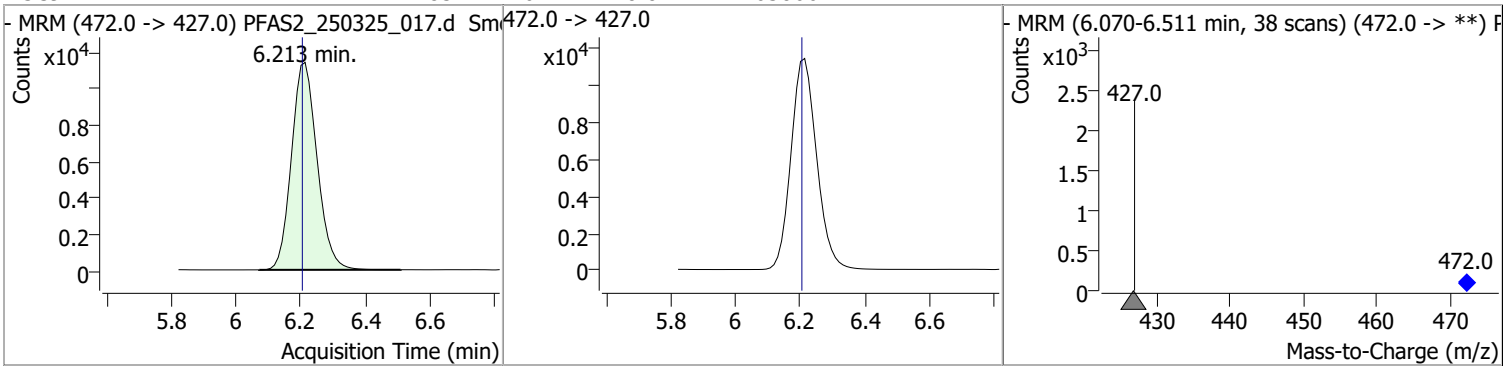
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4037	5.94	0.00	30827	402.0 -> 99.0	53.2	34.1	63.3



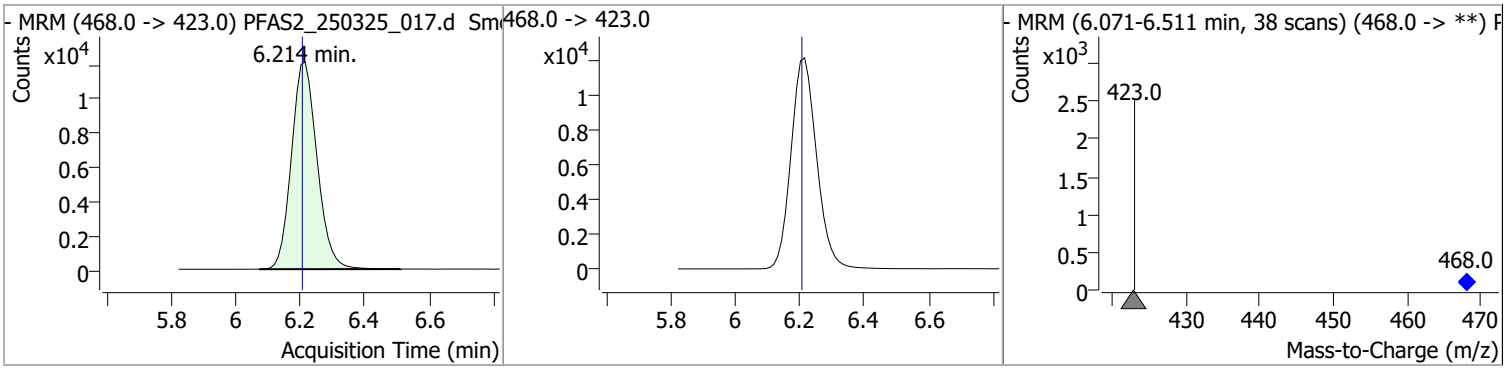
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1211	5.95	0.00	1452	398.9 -> 99.0	48.5	34.6	64.2



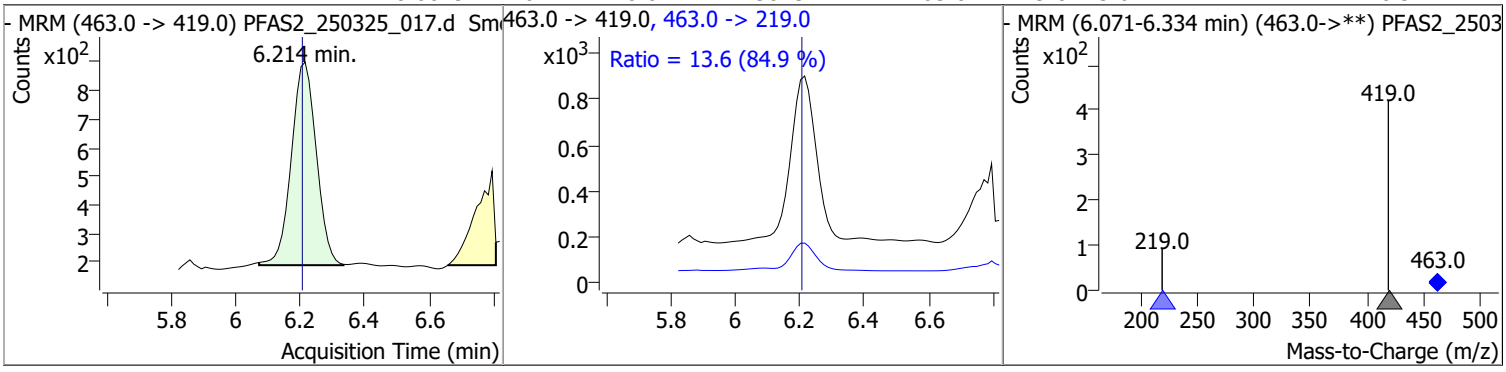
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1854	6.21	0.01	63066				



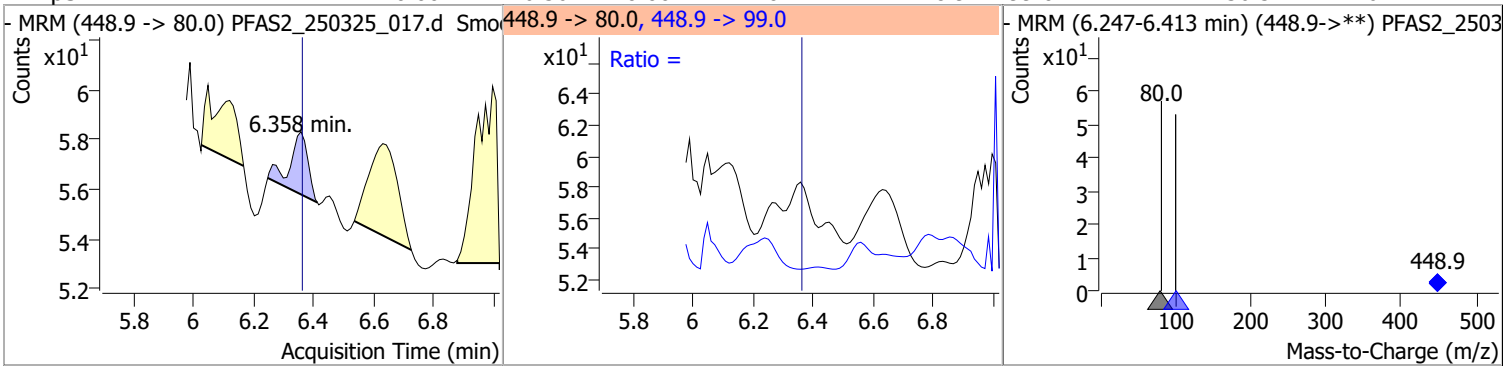
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	67142				



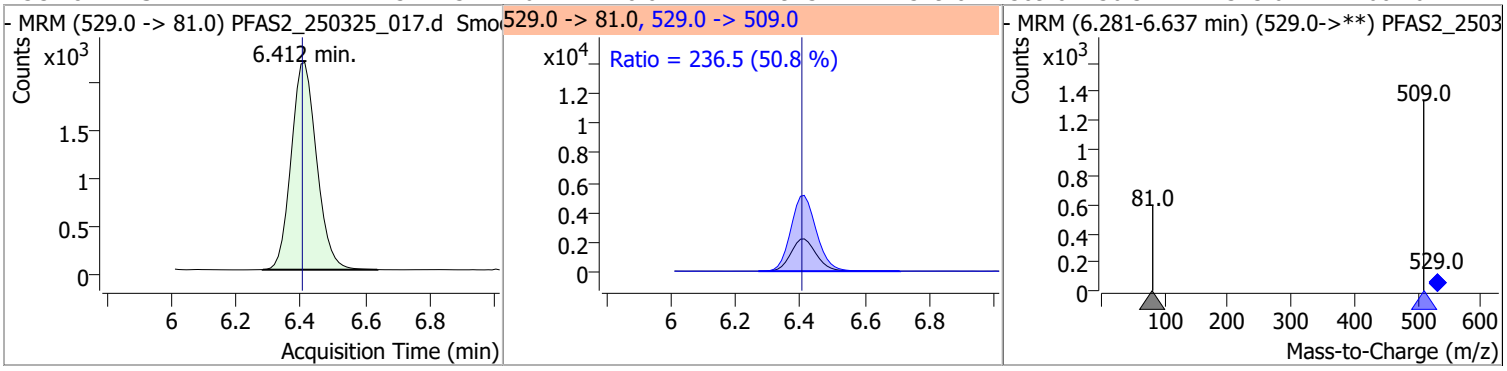
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0849	6.21	0.01	3845	463.0 -> 219.0	13.6	11.2	20.9



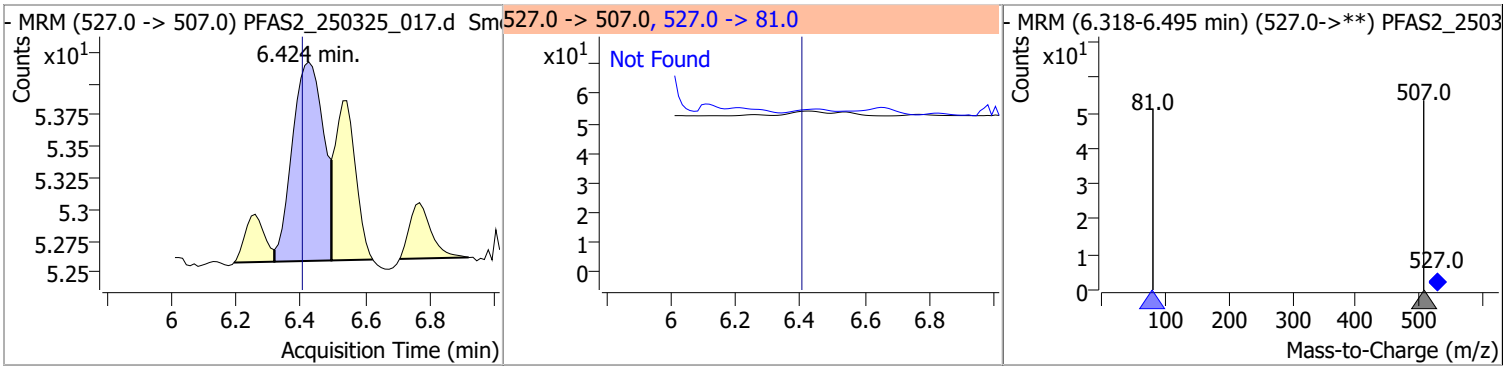
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0011	6.36	0.00	10	448.9 -> 99.0		36.5	67.7



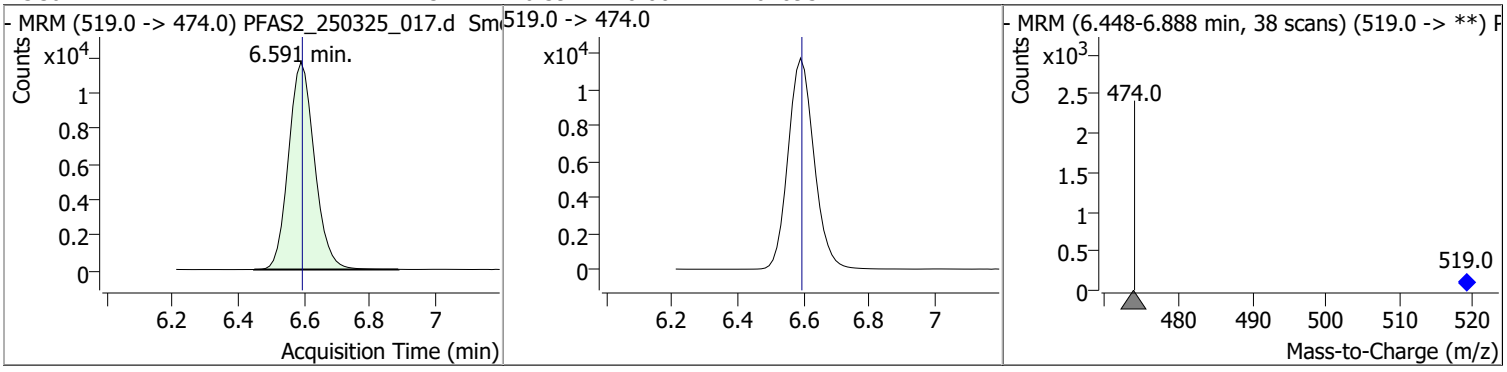
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.4723	6.41	0.01	11913	529.0 -> 509.0	236.5	325.6	604.6



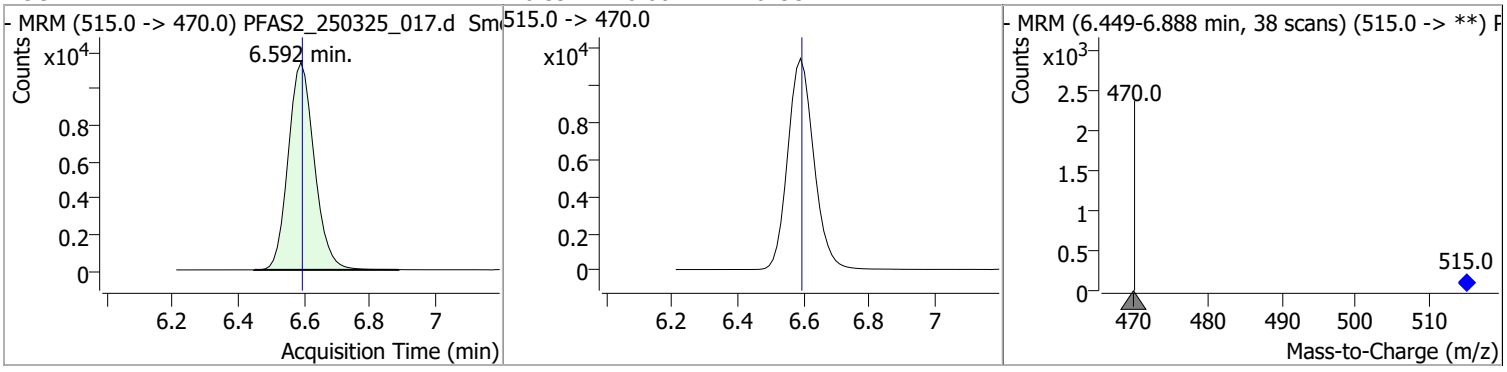
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0743	6.42	0.02	11	527.0 -> 81.0		19.7	36.6



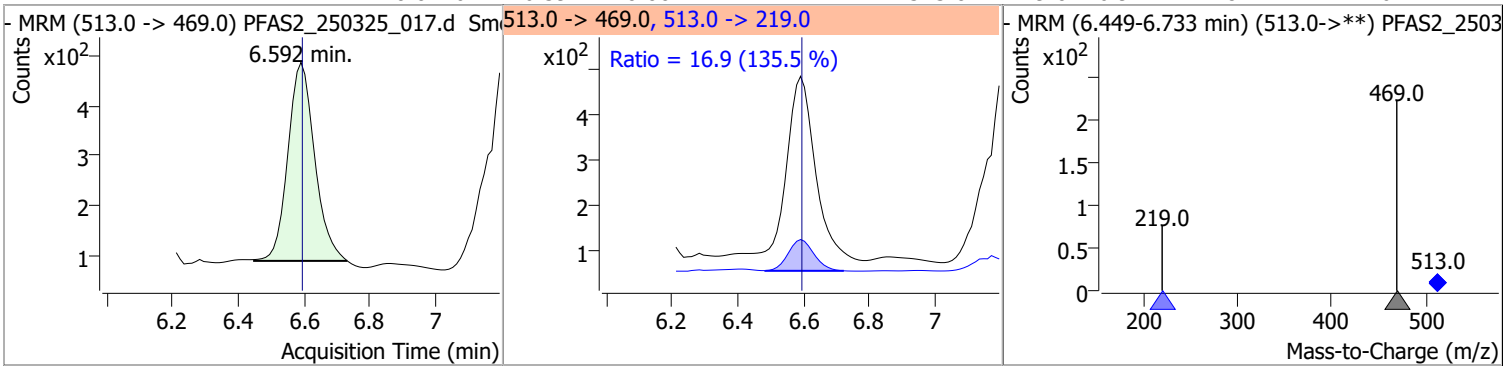
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2511	6.59	0.00	64095				



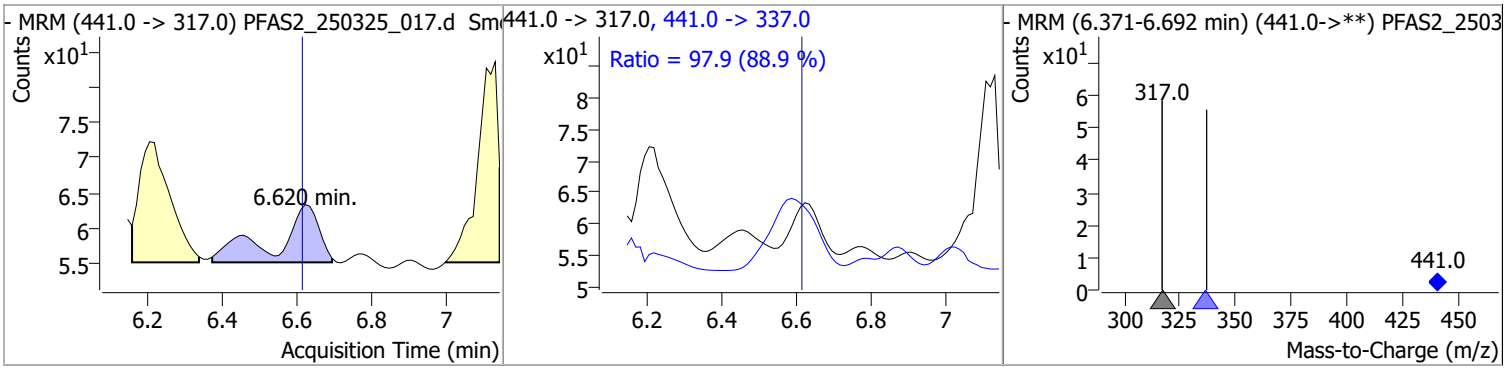
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	62957				



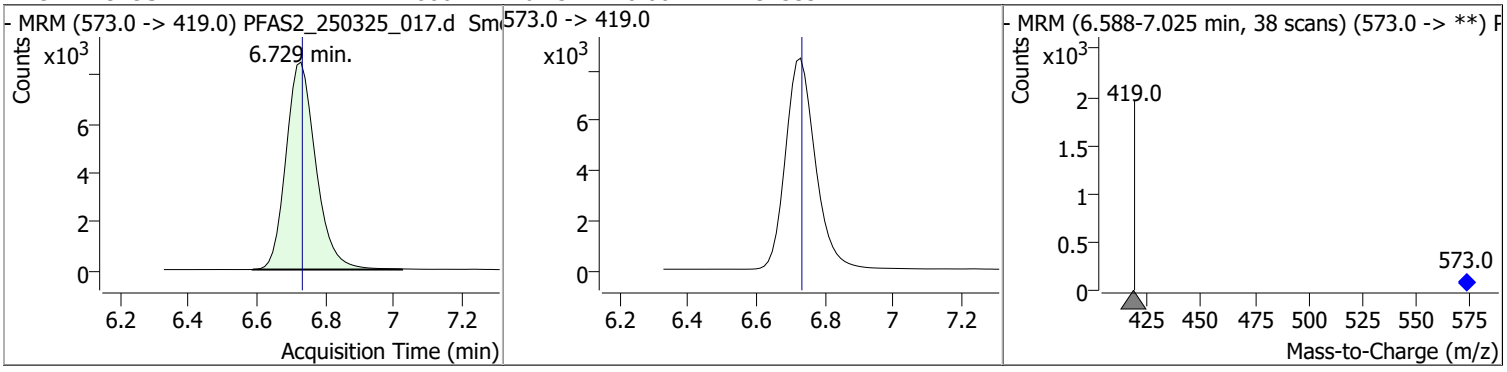
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0446	6.59	0.00	2242	513.0 -> 219.0	16.9	8.7	16.2



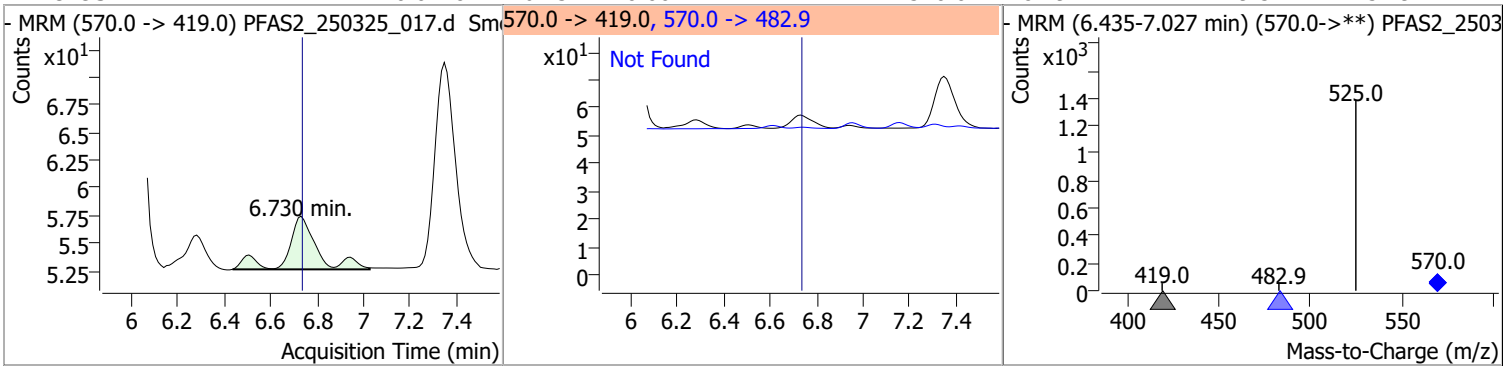
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2672	6.62	0.01	65	441.0 -> 337.0	97.9	77.1	143.3



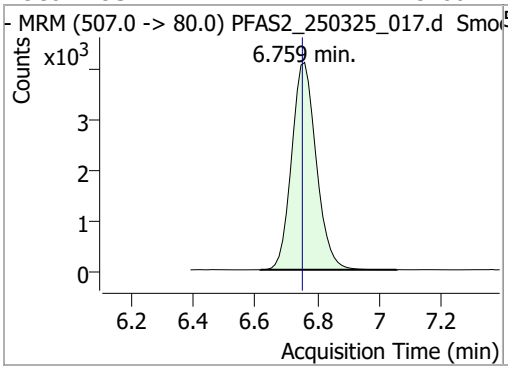
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8801	6.73	0.00	51339				

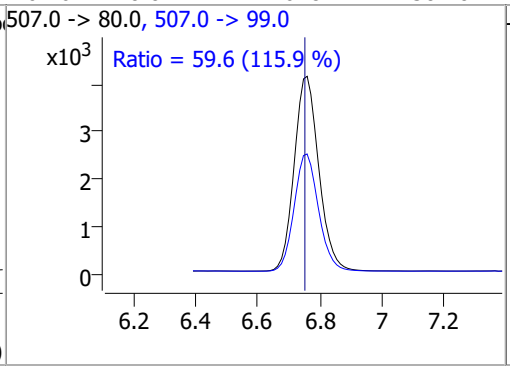


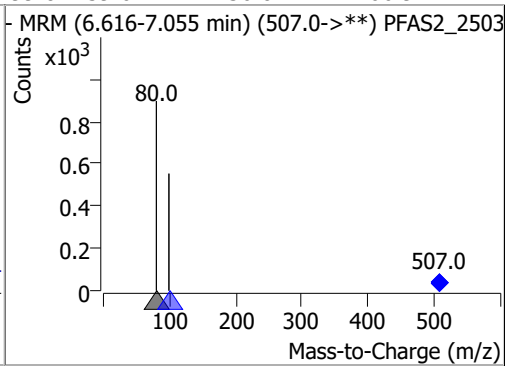
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0128	6.73	0.00	42	570.0 -> 482.9		29.5	54.9



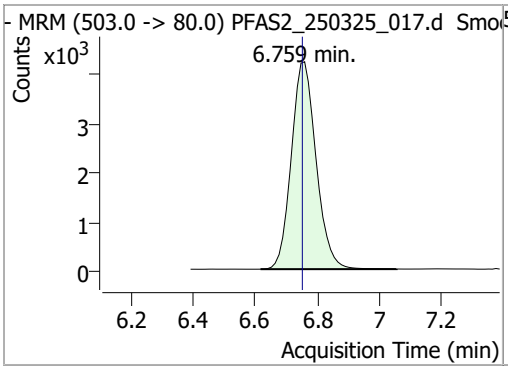
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3780	6.76	0.01	22628	507.0 -> 99.0	59.6	36.0	66.9

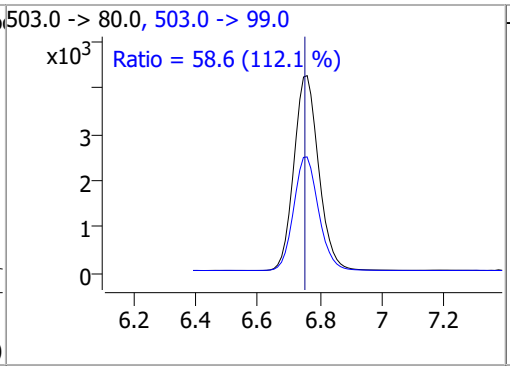


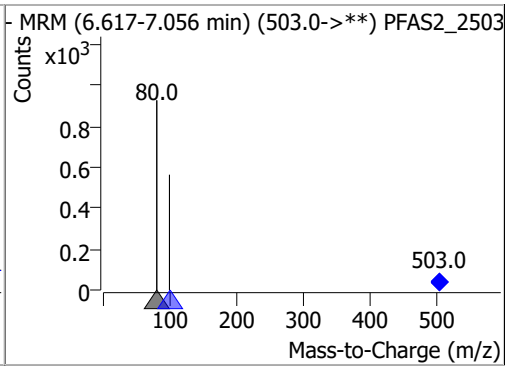




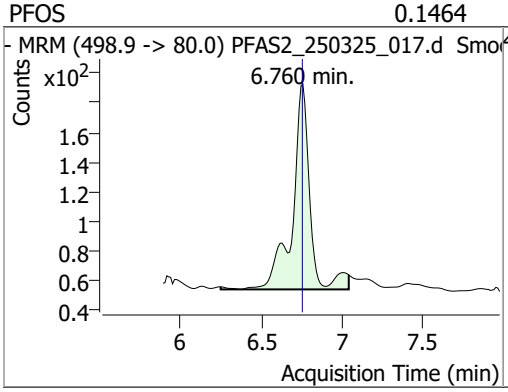
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23446	503.0 -> 99.0	58.6	36.6	67.9

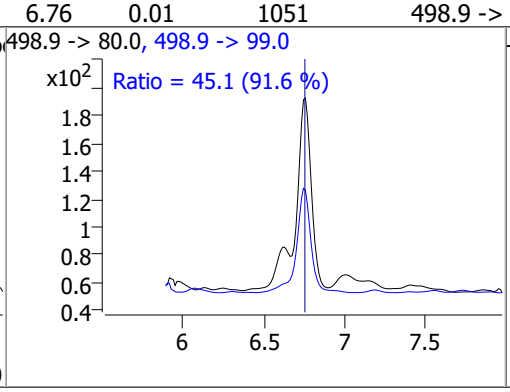


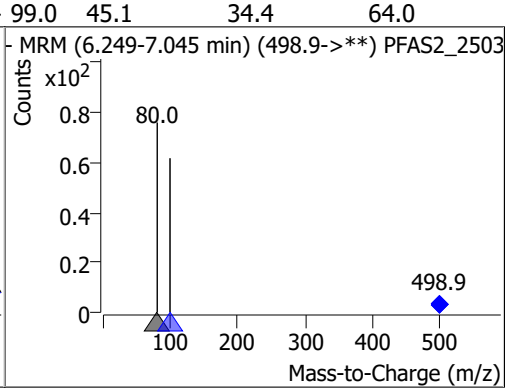




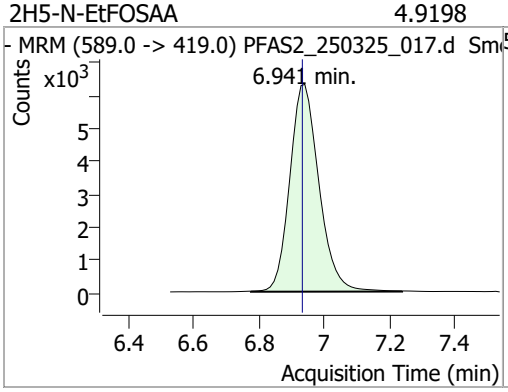
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1464	6.76	0.01	1051	498.9 -> 99.0	45.1	34.4	64.0

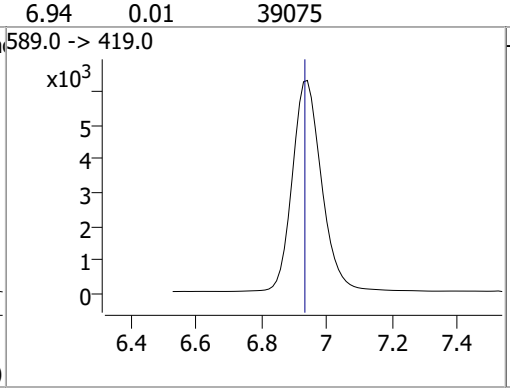


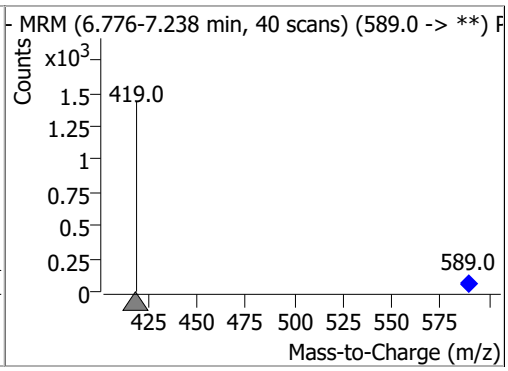




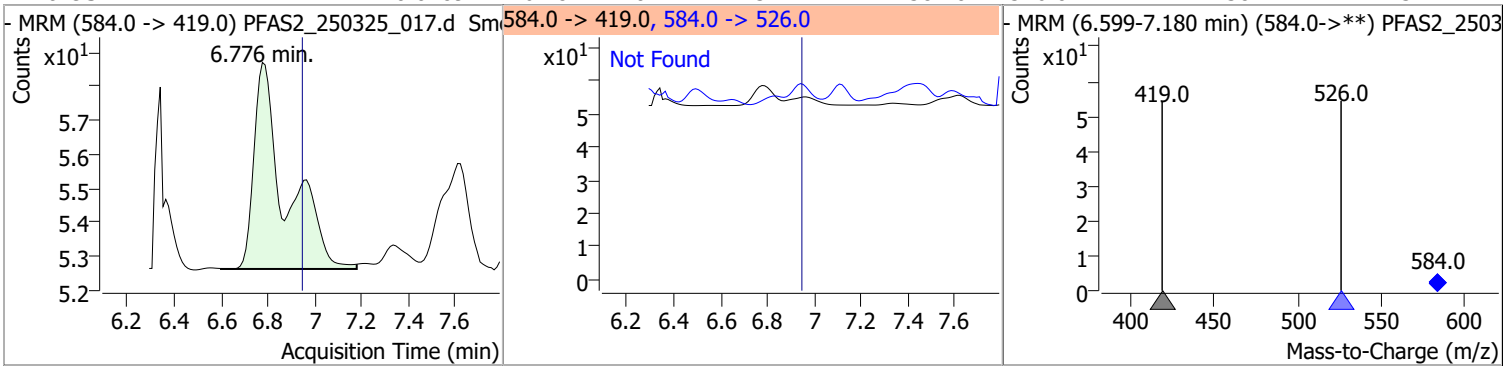
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9198	6.94	0.01	39075				



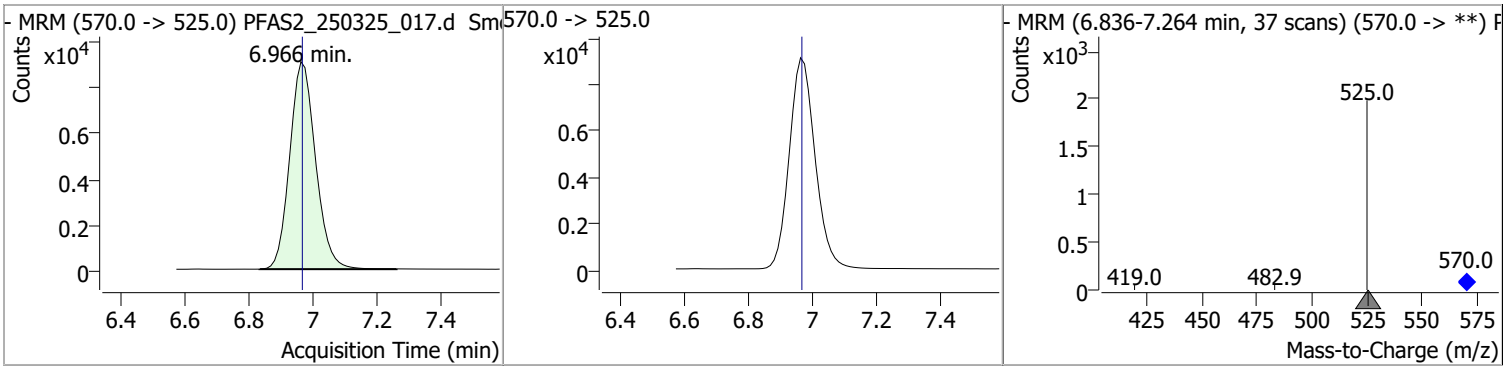




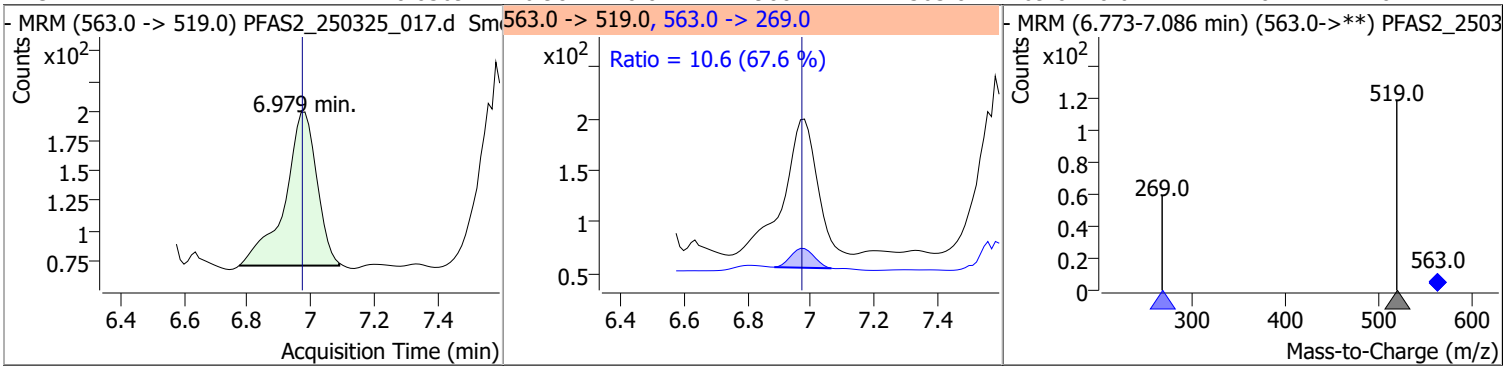
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0189	6.78	-0.17	57	584.0 -> 526.0		38.4	71.3



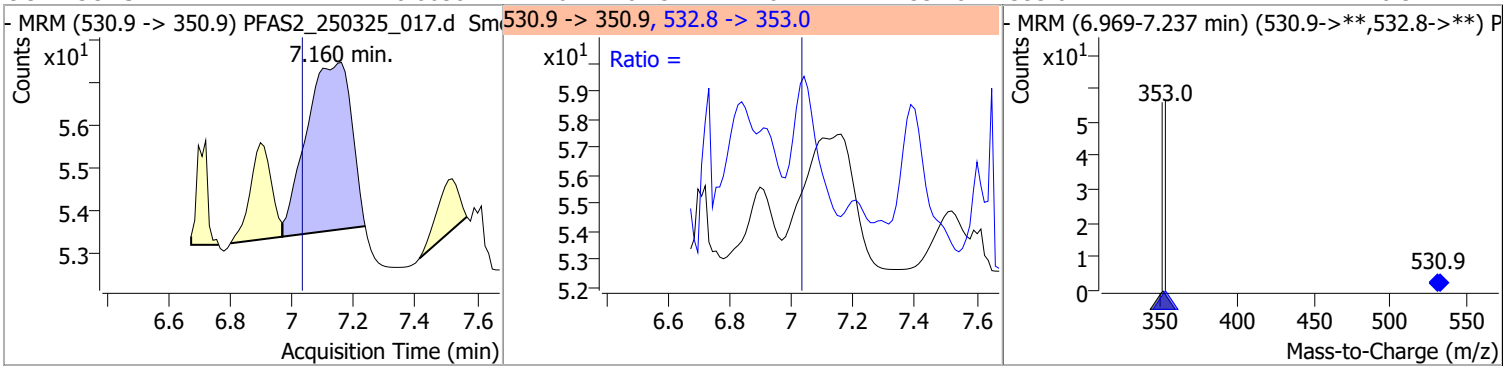
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2643	6.97	0.00	51047				



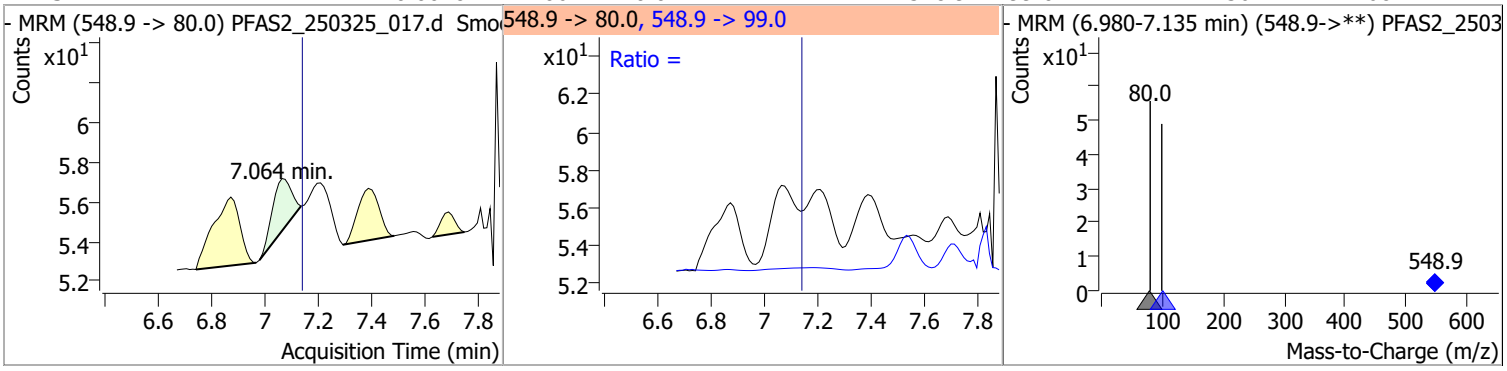
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0369	6.98	0.01	900	563.0 -> 269.0	10.6	11.0	20.4



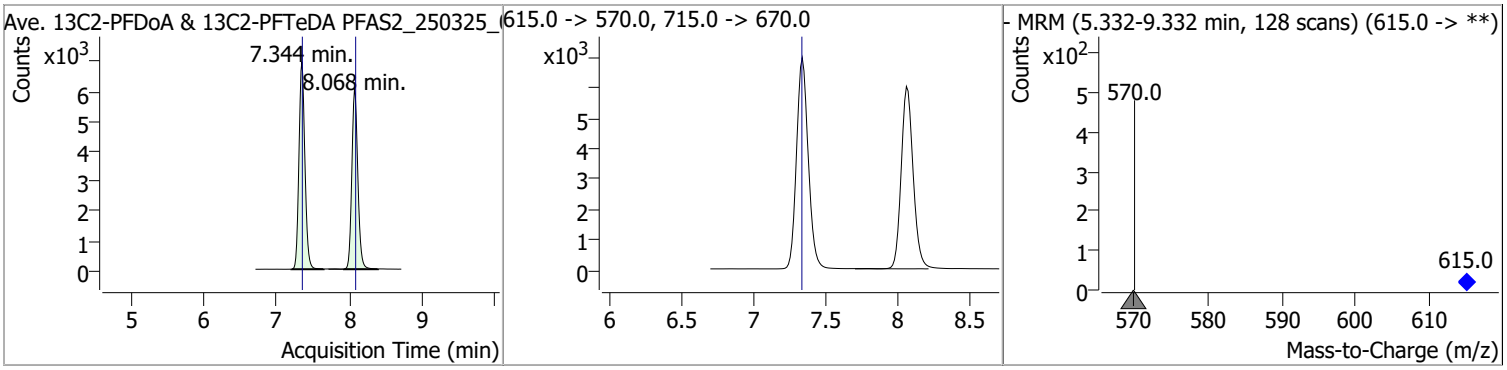
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0658	7.16	0.13	40	532.8 -> 353.0		21.7	40.3



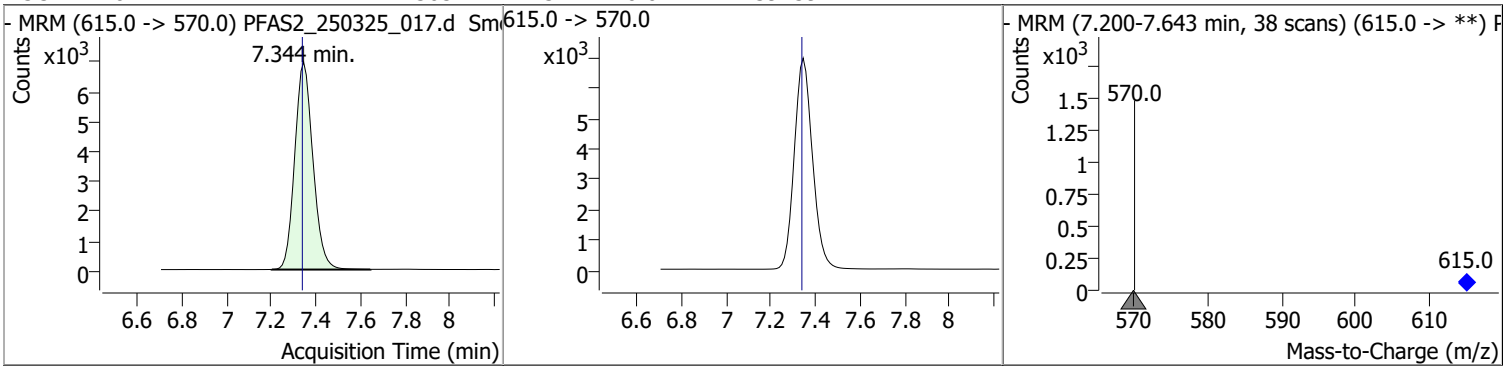
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0018	7.06	-0.07	14	548.9 -> 99.0		36.7	68.1



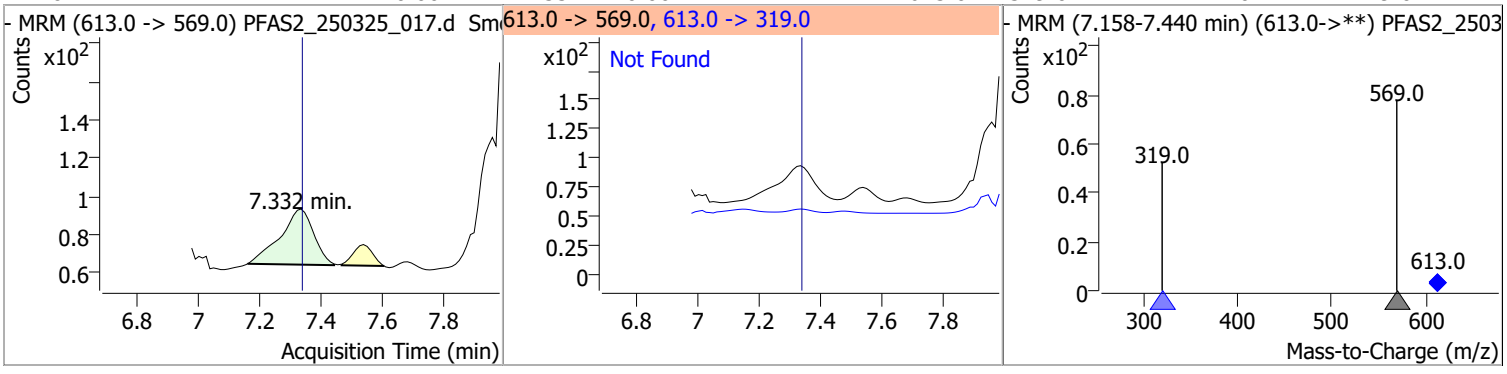
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1115	7.71	0.37	36990				



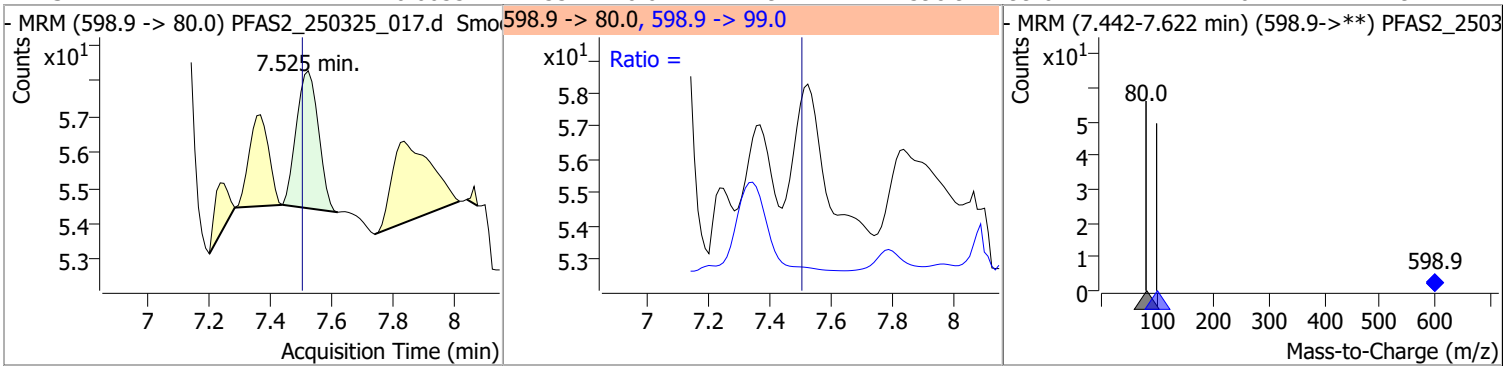
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3051	7.34	0.01	39259				



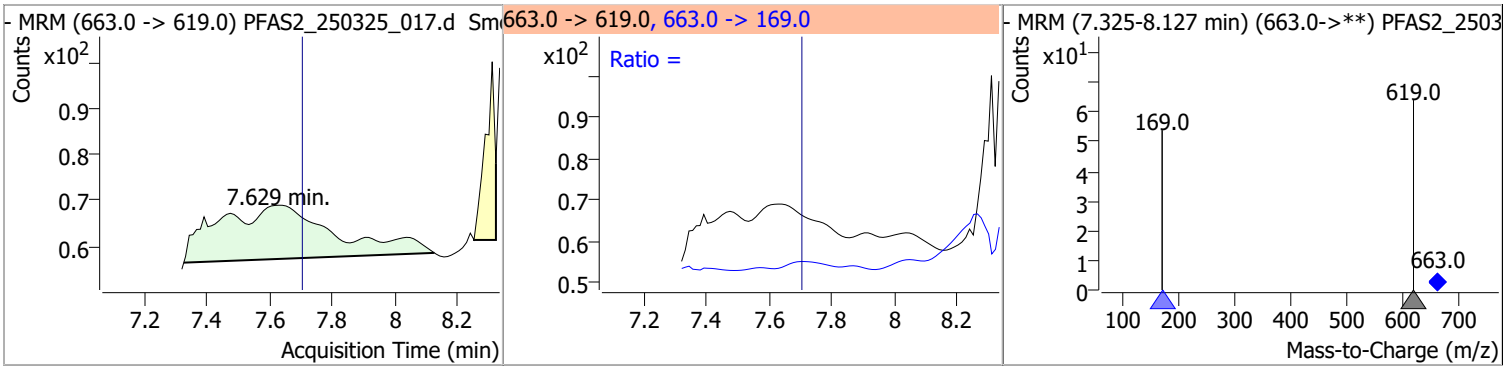
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0077	7.33	0.00	221	613.0 -> 319.0		10.2	19.0



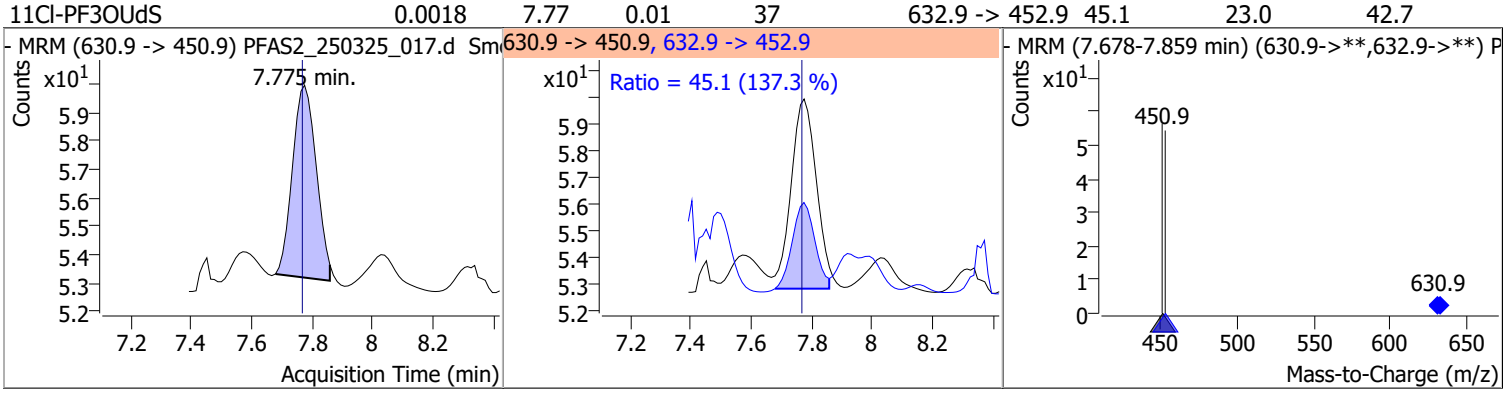
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0033	7.53	0.02	19	598.9 -> 99.0		40.4	74.9



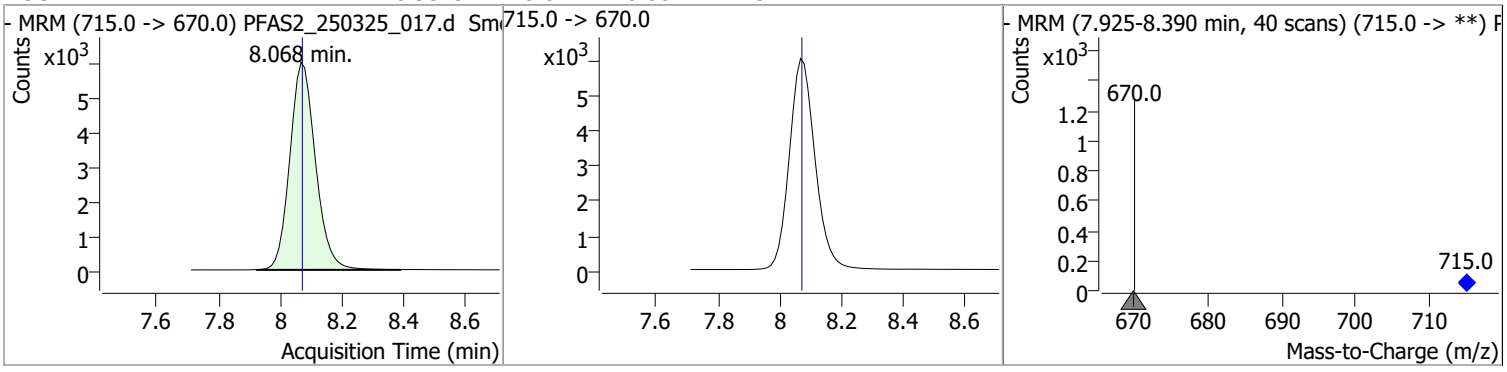
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0110	7.63	-0.07	308	663.0 -> 169.0		7.2	13.4



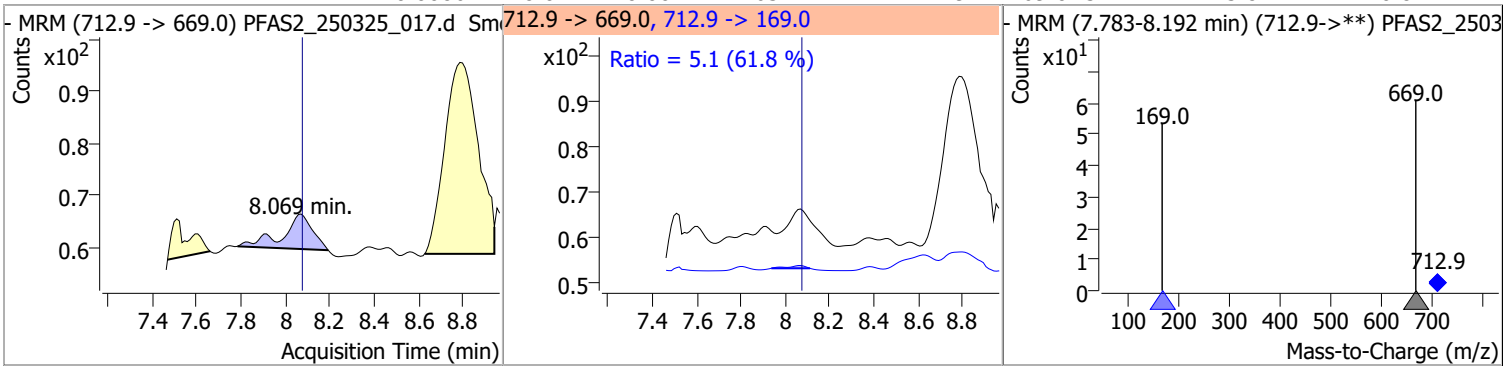
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0018	7.77	0.01	37	632.9 -> 452.9	45.1	23.0	42.7



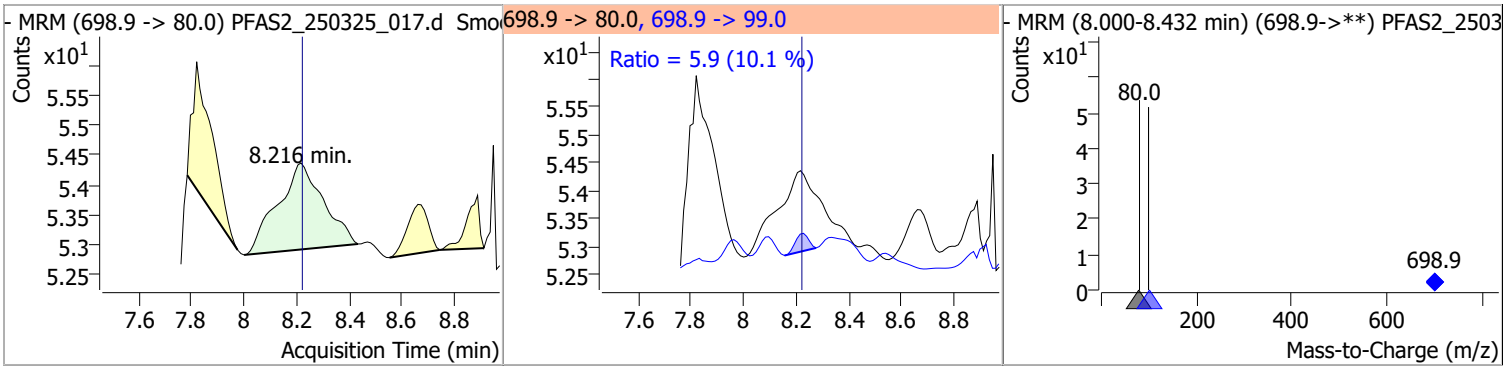
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9519	8.07	0.00	34721				



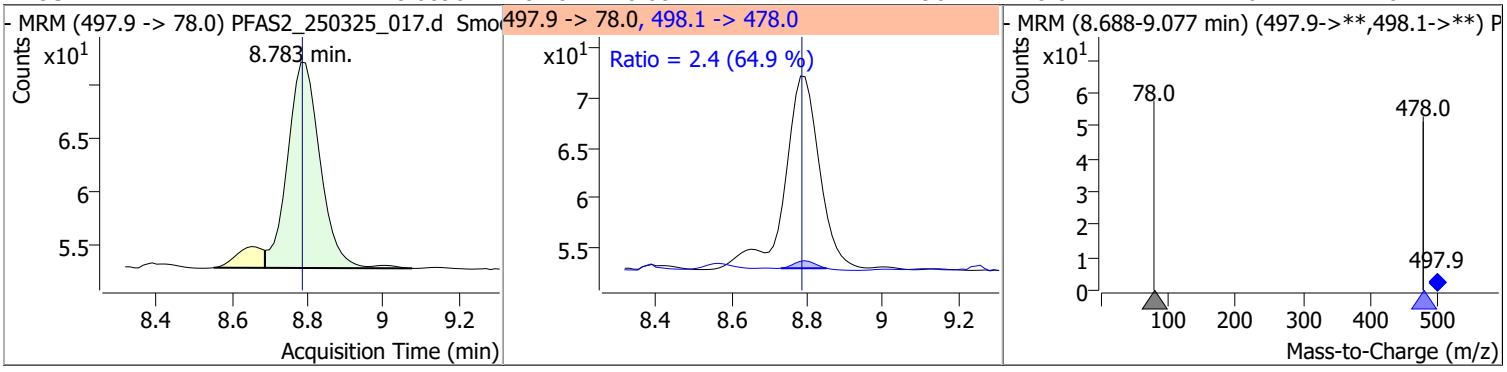
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0086	8.07	0.00	63	712.9 -> 169.0	5.1	5.8	10.8



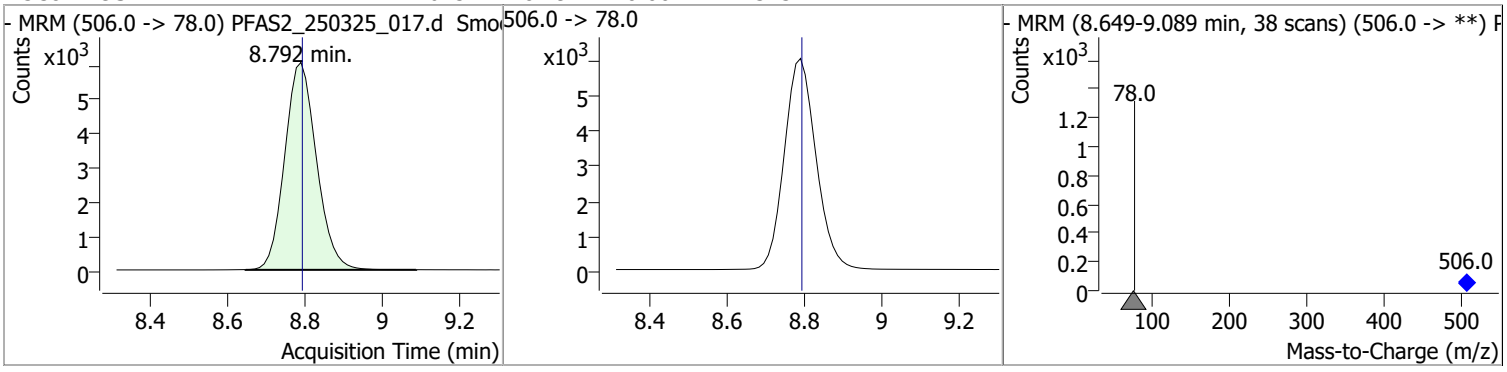
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0042	8.22	0.00	17	698.9 -> 99.0	5.9	41.0	76.1



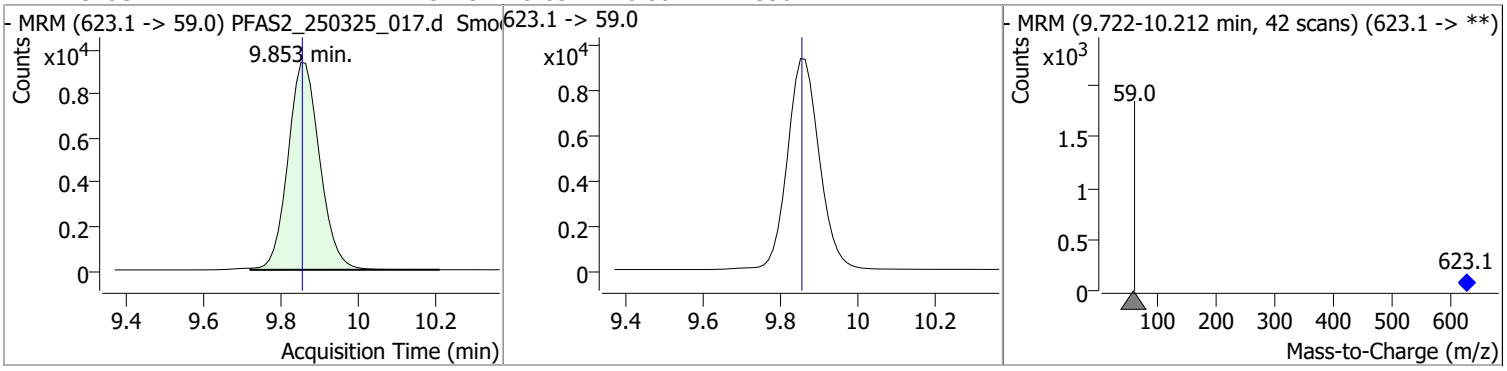
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0098	8.78	0.00	117	498.1 -> 478.0	2.4	2.6	4.8



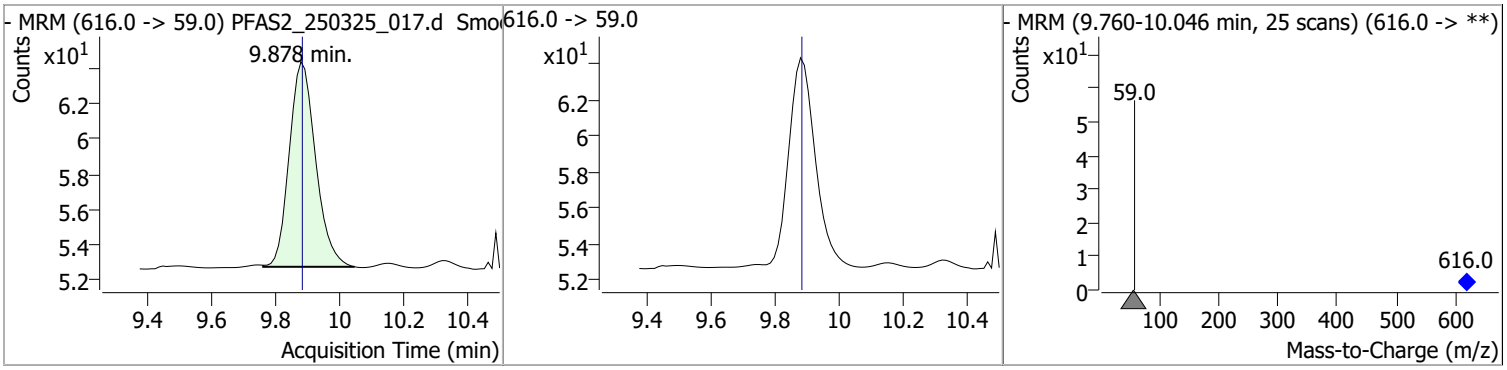
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4615	8.79	0.00	34324				



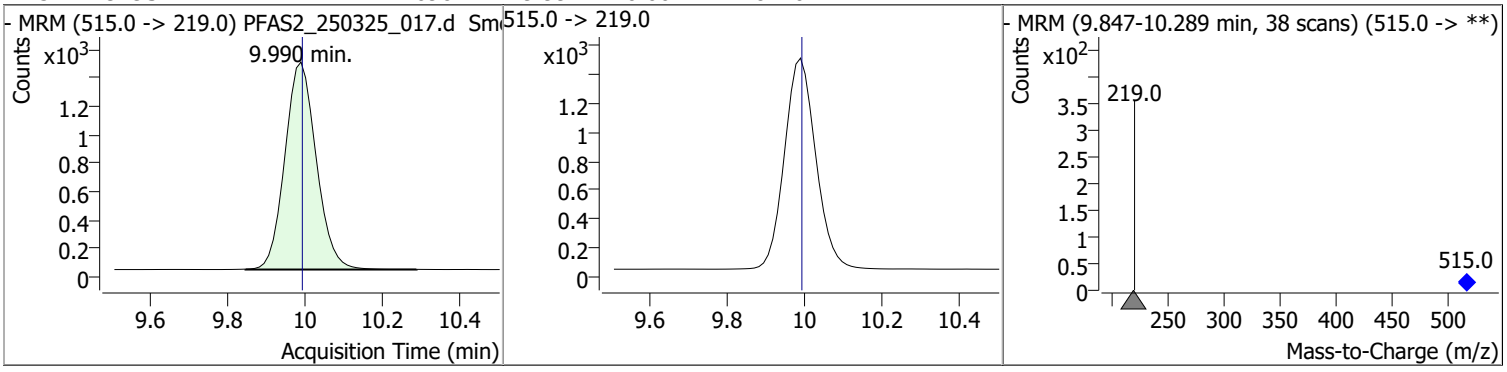
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	11.3423	9.85	0.00	53614				



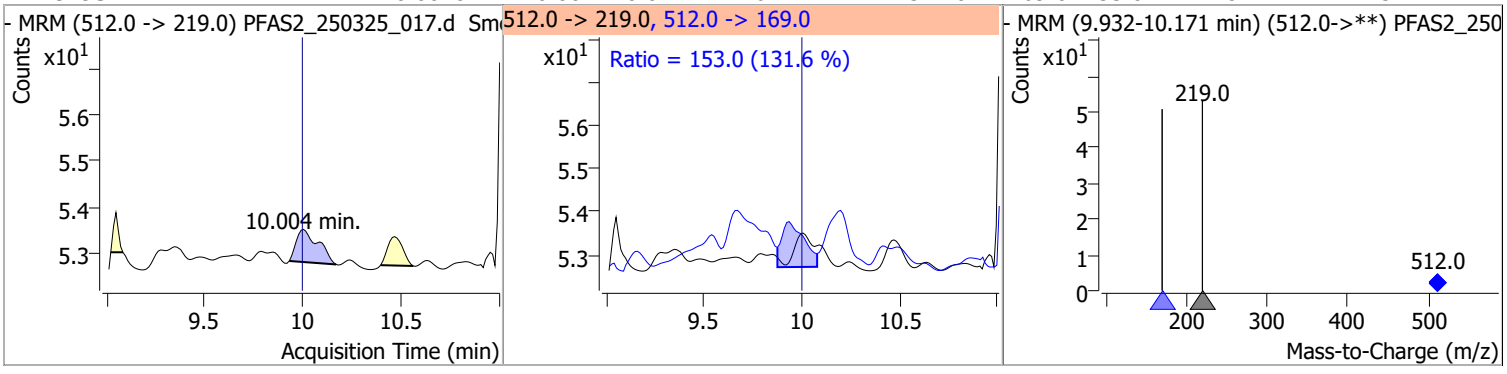
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	66				



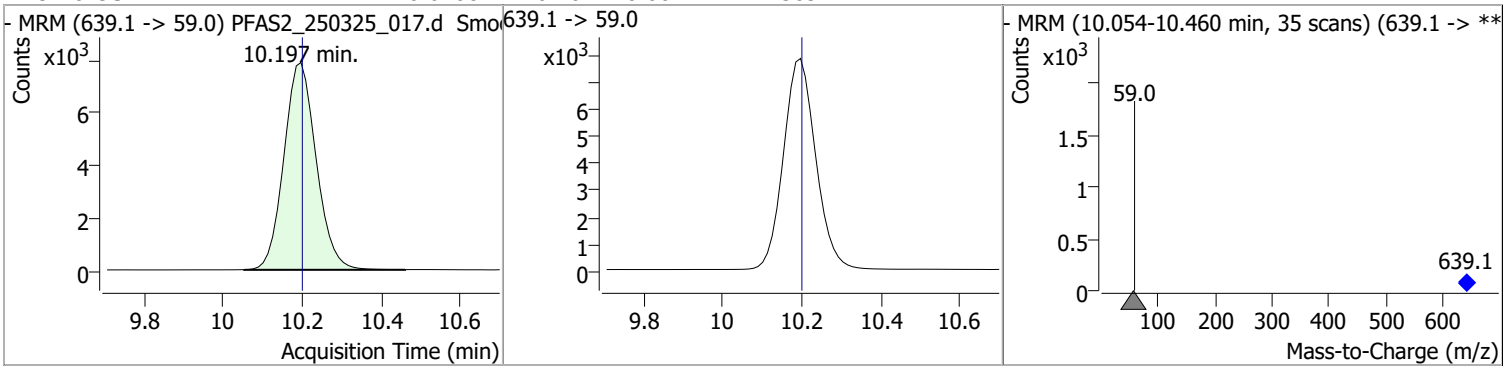
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0981	9.99	0.00	8210				



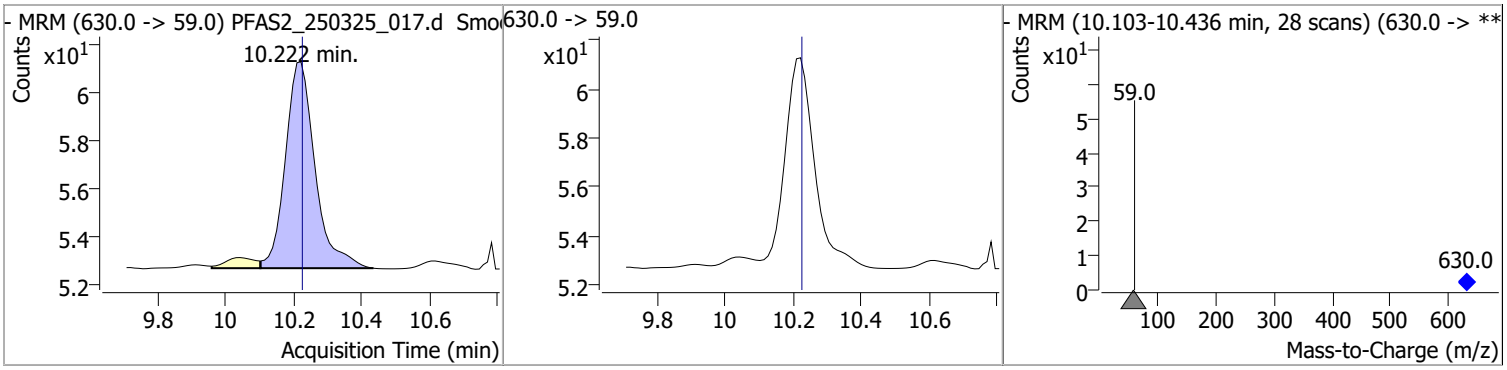
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0018	10.00	0.01	6	512.0 -> 169.0	153.0	81.4	151.2



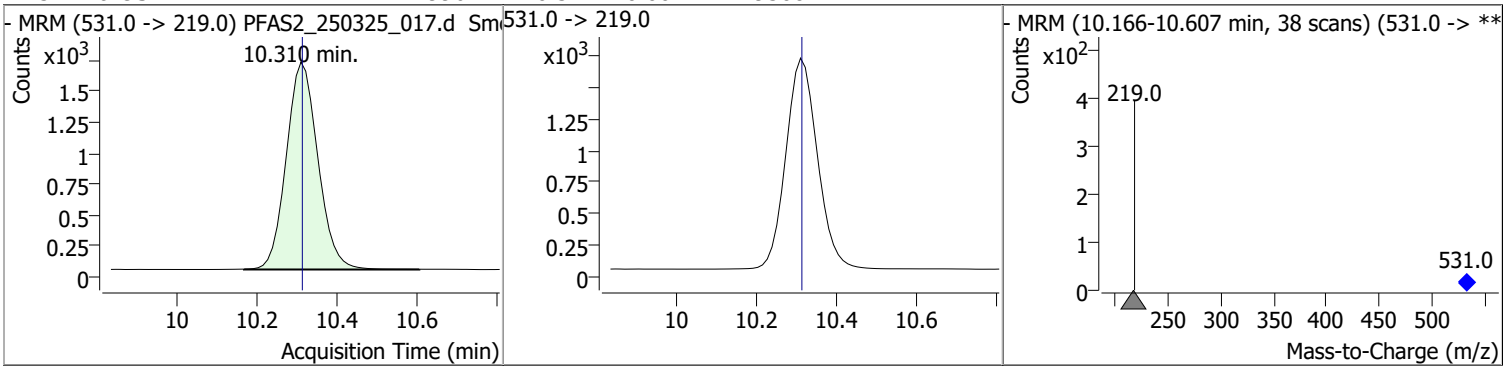
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	18.6408	10.20	0.00	44589				



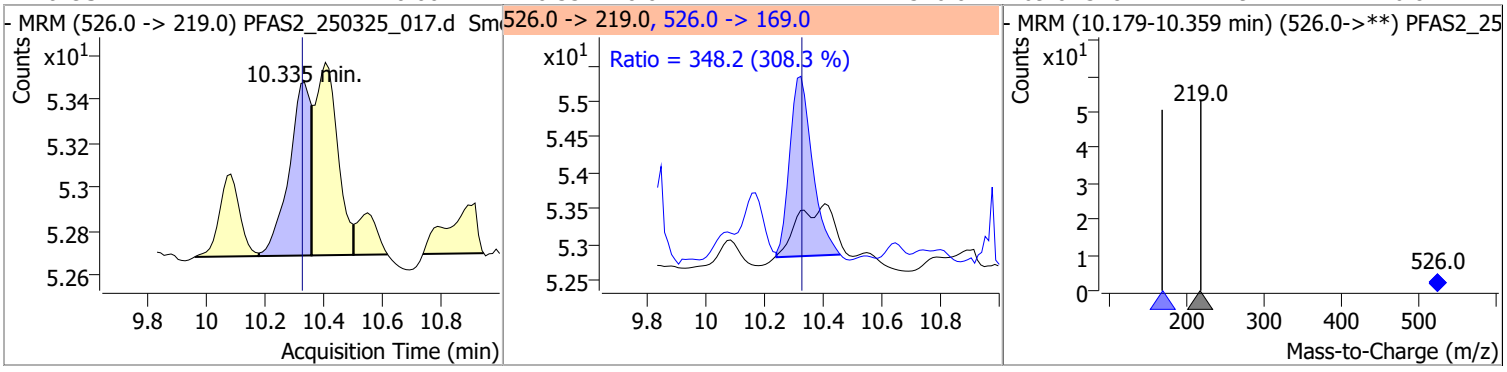
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0421	10.22	0.00	52				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1996	10.31	0.00	9308				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0011	10.33	0.01	4	526.0 -> 169.0	348.2	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

FB01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25C0608-05	File ID:	PFAS2_250325_018.d
Sampled:	03/12/25 17:40	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:47
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	526.103 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.46	3.04	6.08	U
2706-90-3	PFPeA		0.13	1.52	3.04	U
307-24-4	PFHxA		0.12	0.76	1.52	U
375-85-9	PFHpA		0.15	0.76	1.52	U
335-67-1	PFOA		0.11	0.76	1.52	U
375-95-1	PFNA		0.09	0.76	1.52	U
335-76-2	PFDA		0.12	0.76	1.52	U
2058-94-8	PFUnA		0.18	0.76	1.52	U
307-55-1	PFDoA		0.10	0.76	1.52	U
72629-94-8	PFTrDA		0.07	0.76	1.52	U
376-06-7	PFTeDA		0.11	0.76	1.52	U
375-73-5	PFBS		0.18	0.67	1.35	U
2706-91-4	PFPeS		0.20	0.72	1.44	U
355-46-4	PFHxS		0.22	0.69	1.39	U
375-92-8	PFHpS		0.39	0.72	1.44	U
1763-23-1	PFOS	0.65	0.21	0.88	1.77	J
68259-12-1	PFNS		0.19	0.73	1.46	U
335-77-3	PFDS		0.13	0.73	1.46	U
79780-39-5	PFDoS		0.08	0.74	1.47	U
757124-72-4	4:2FTS		0.39	2.85	5.70	U
27619-97-2	6:2FTS		2.63	2.89	5.78	U
39108-34-4	8:2FTS		0.58	2.92	5.84	U
754-91-6	PFOSA		0.10	0.76	1.52	U
31506-32-8	NMeFOSA		0.25	0.76	1.52	U
4151-50-2	NEtFOSA		0.29	0.76	1.52	U
2355-31-9	NMeFOSAA		0.42	0.76	1.52	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

FB01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25C0608-05	File ID:	PFAS2_250325_018.d
Sampled:	03/12/25 17:40	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 18:47
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	526.103 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.76	1.52	U
24448-09-7	NMeFOSE		0.96	7.60	15.2	U
1691-99-2	NEtFOSE		1.20	7.60	15.2	U
13252-13-6	HFPO-DA		0.39	1.52	3.04	U
919005-14-4	ADONA		0.14	1.44	2.87	U
756426-58-1	9CL-PF3ONS		0.17	1.42	2.84	U
763051-92-9	11CL-PF3OUdS		0.29	1.44	2.87	U
356-02-5	3:3FTCA		0.63	3.04	6.08	U
914637-49-3	5:3FTCA		3.48	15.2	30.4	U
812-70-4	7:3FTCA		2.91	15.2	30.4	U
113507-82-7	PFEESA		0.16	1.35	2.71	U
377-73-1	PFMPA		0.10	1.52	3.04	U
863090-89-5	PFMBA		0.11	1.52	3.04	U
151772-58-6	NFDHA		0.43	1.52	3.04	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_018.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:47:36 PM
Sample Name	O25C0608-05	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

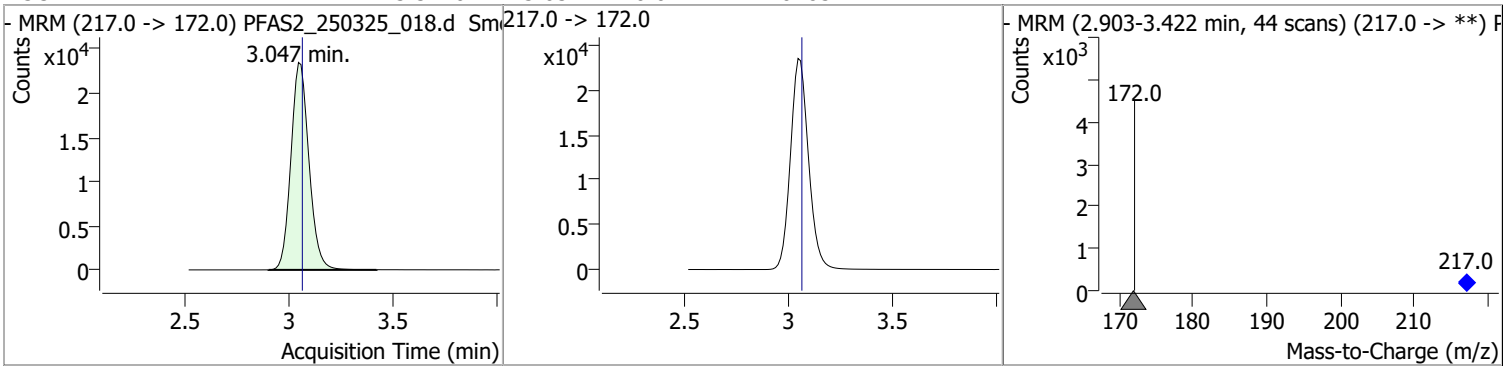
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112295	5.0000	µg/L		-17.938
13C2-PFHxA	4.890	315.0 -> 270.0	129758	2.5000	µg/L		-15.426
18O2-PFHxS	5.955	403.0 -> 84.0	27559	2.5000	µg/L		-6.991
13C4-PFOA	5.823	417.0 -> 172.0	14223	2.5000	µg/L		-7.929
13C5-PFNA	6.214	468.0 -> 423.0	65767	1.2500	µg/L		-7.594
13C2-PFDA	6.592	515.0 -> 470.0	59697	1.2500	µg/L		-10.736
13C4-PFOS	6.759	503.0 -> 80.0	24438	2.5000	µg/L		-1.892
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	140785	10.0000	µg/L		-54.707
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.17%			
13C5-PFPeA	4.222	268.0 -> 223.0	173024	5.0000	µg/L		-16.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C5-PFPeA	4.222	268.0 -> 223.0	173024	5.0000	µg/L		-16.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25702	5.0000	µg/L	#	1.729
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	134961	2.5000	µg/L		-20.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.49%			
13C5-PFHxA	4.889	318.0 -> 273.0	134961	2.5000	µg/L		-20.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.49%			
13C3-PFBS	4.929	302.0 -> 80.0	50884	2.5000	µg/L		-16.203
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.19%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	148987	10.0000	µg/L		-14.753
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.79%			
13C4-PFHpA	5.385	367.0 -> 322.0	164034	2.5000	µg/L		-13.158
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.71%			
13C3-PFHxS	5.944	402.0 -> 80.0	32016	2.5000	µg/L		-8.392
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.52%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13884	5.0000	µg/L	#	-5.990
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.19%			
13C8-PFOA	5.823	421.0 -> 376.0	152302	2.5000	µg/L		-11.832
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.78%			
13C3-PFHxS	5.944	402.0 -> 80.0	32016	2.5000	µg/L		-8.392
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.52%			
13C9-PFNA	6.213	472.0 -> 427.0	64811	1.2500	µg/L		-8.022
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.49%			
13C8-PFOS	6.759	507.0 -> 80.0	22952	2.5000	µg/L		-9.221
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.57%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9672	5.0000	µg/L	#	-18.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.67%			
13C6-PFDA	6.591	519.0 -> 474.0	63286	1.2500	µg/L		-6.877
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.22%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	50598	5.0000	µg/L		-9.354
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.29%			
13C8-PFOS	6.759	507.0 -> 80.0	22952	2.5000	µg/L		-9.221

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.57%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38461	5.0000	µg/L		-8.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.92%			
13C7-PFUnDA	6.966	570.0 -> 525.0	52440	1.2500	µg/L		-2.169
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 109.58%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	36980	1.2500	µg/L		-16.175
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.75%			
13C2-PFDoDA	7.344	615.0 -> 570.0	40961	1.2500	µg/L		2.543
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 114.89%			
13C2-PFTDA	8.068	715.0 -> 670.0	32998	1.2500	µg/L		-31.660
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.33%			
13C8-PFOSA	8.792	506.0 -> 78.0	33923	2.5000	µg/L		-8.219
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
13C8-PFOSA	8.792	506.0 -> 78.0	33923	2.5000	µg/L		-8.219
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
2H7-MeFOSE	9.865	623.1 -> 59.0	61632	25.0000	µg/L		-50.947
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 50.04%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10192	2.5000	µg/L		-1.706
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.95%			
2H9-EtFOSE	10.197	639.1 -> 59.0	52411	25.0000	µg/L		-17.475
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 84.09%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10286	2.5000	µg/L		-8.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.29%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	0.000		0	N.D.			
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.721	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.880	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.037	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	0.000		0	N.D.			
PFHpA	5.398	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.482	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.422	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.527	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.810	413.0 -> 369.0	0	0.0000	µg/L	md	
PFHxS	5.945	398.9 -> 80.0	159	0.0128	µg/L		81
PFNA	6.796	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.418	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.400	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.473	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.560	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.659	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	344	0.0683	µg/L		98
N-EtFOSAA	6.929	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.849	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	6.910	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.159	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.260	613.0 -> 569.0	0	0.0000	µg/L	md	

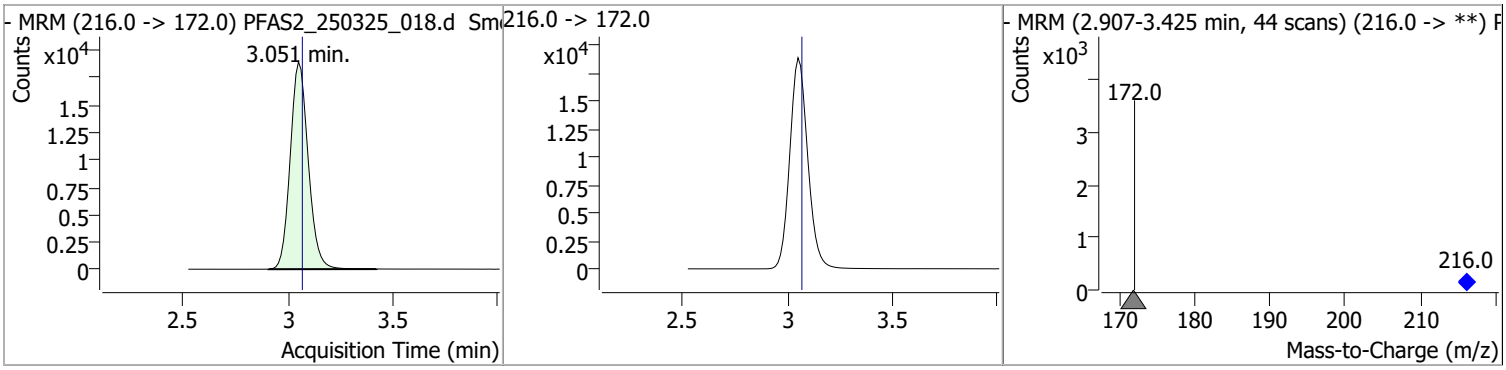
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.874	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.664	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.811	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.045	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.084	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.795	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	23	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.335	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

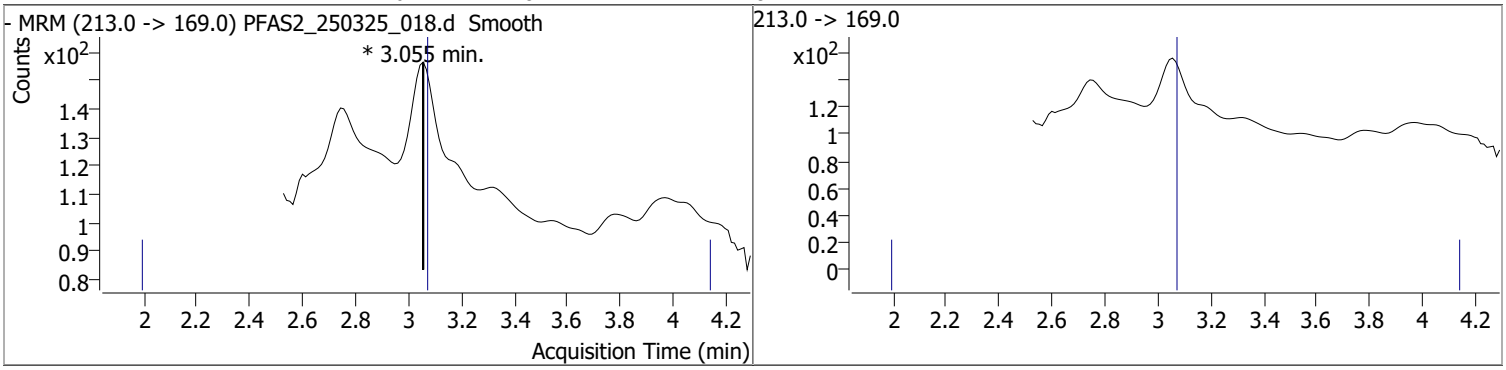
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5170	3.05	-0.01	140785				



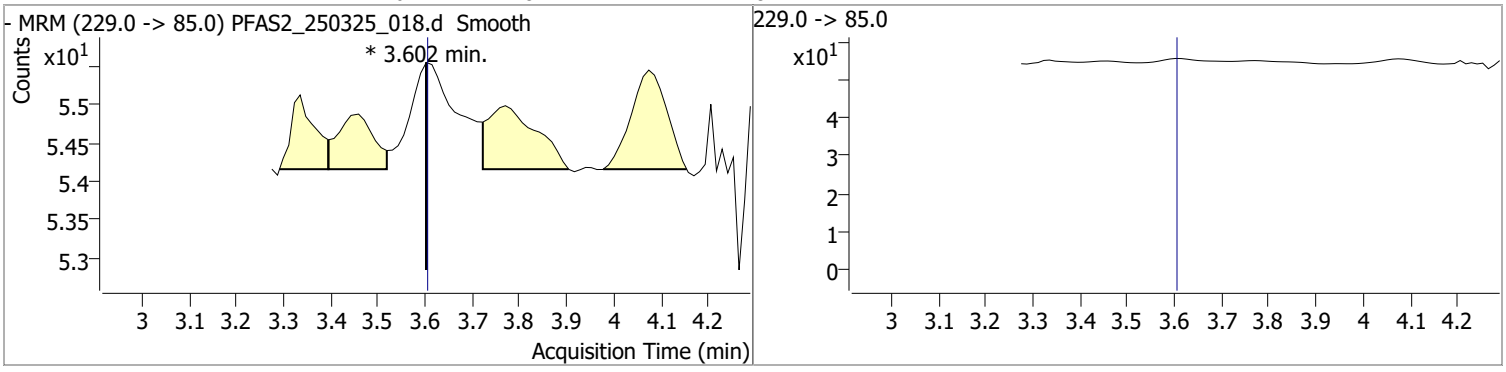
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112295				



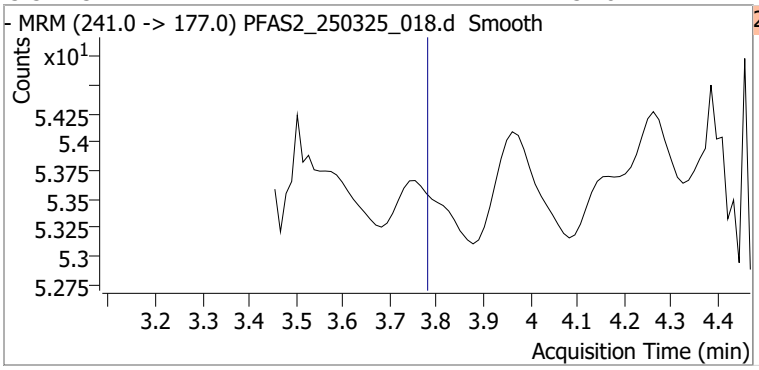
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

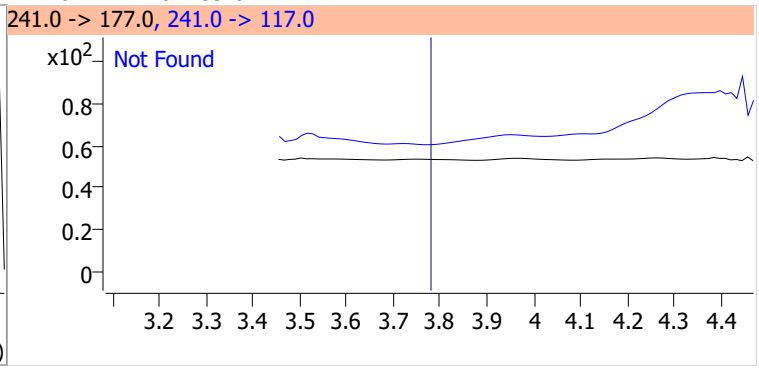


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

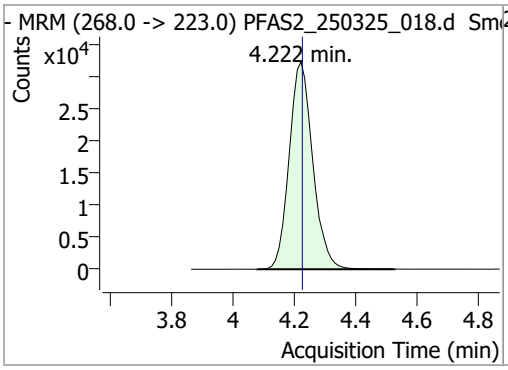


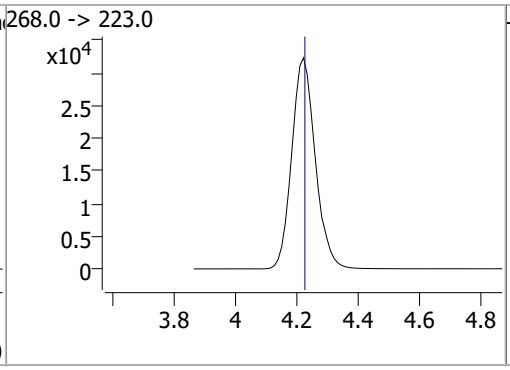
Compound	Conc.	Exp RT	QIon	Exp Ratio
3-3 FTCA	N.D.	3.78	241.0 -> 117.0	59.0

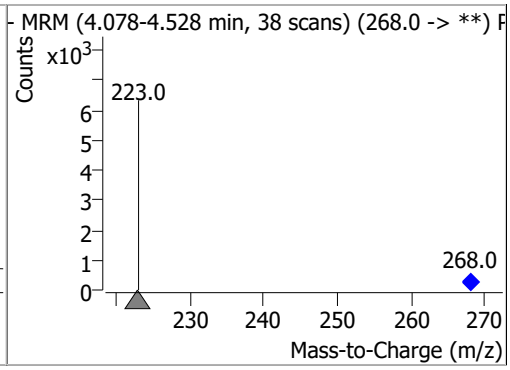




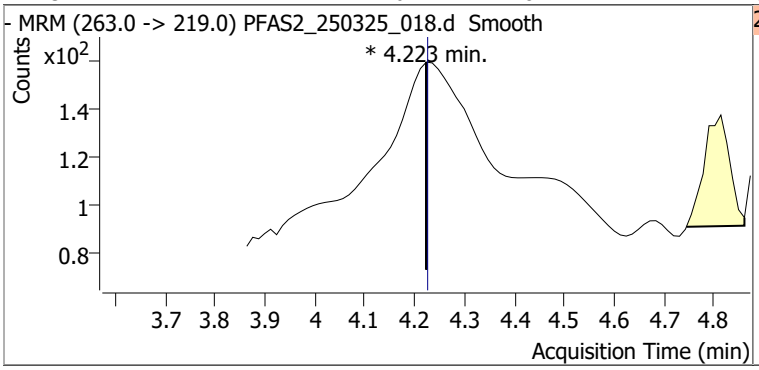
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9438	4.22	0.00	173024				

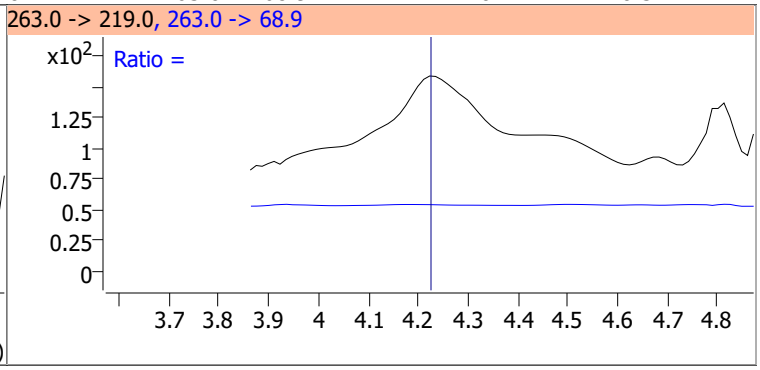




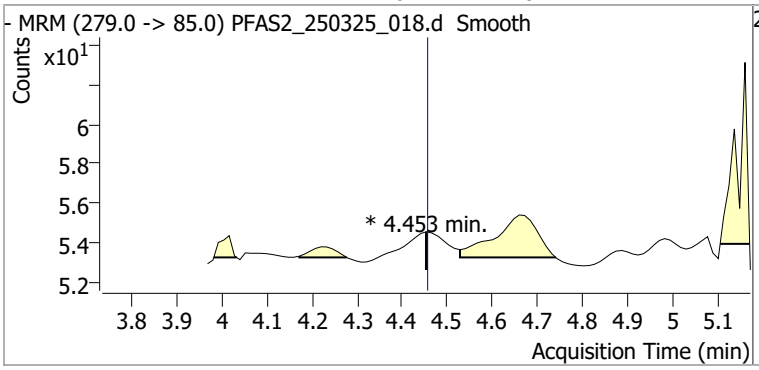


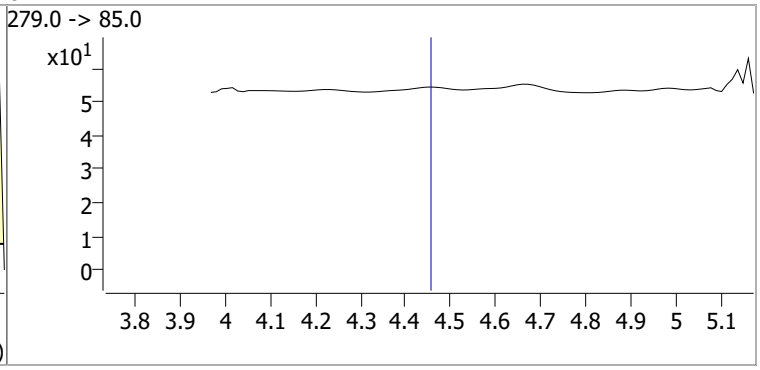
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



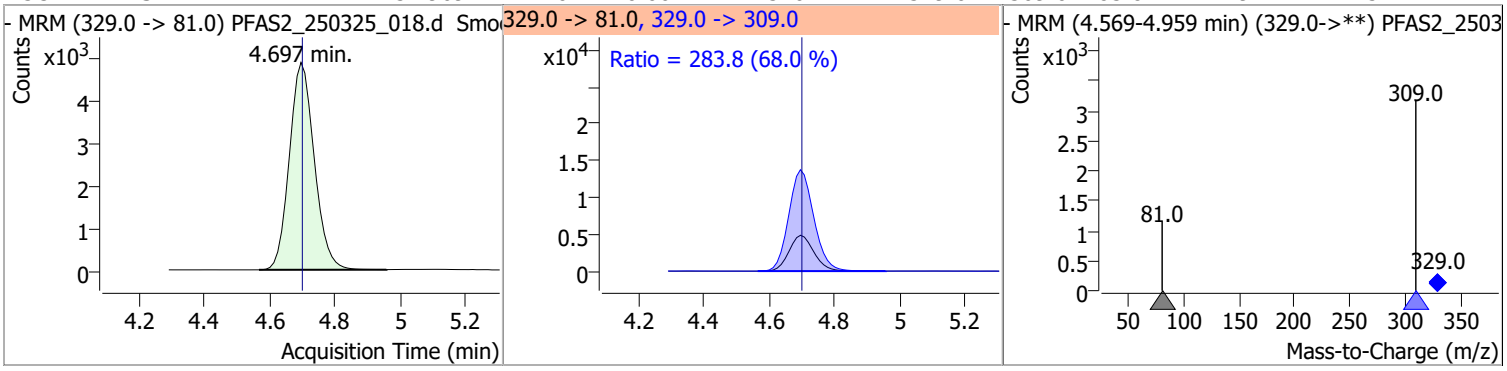


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

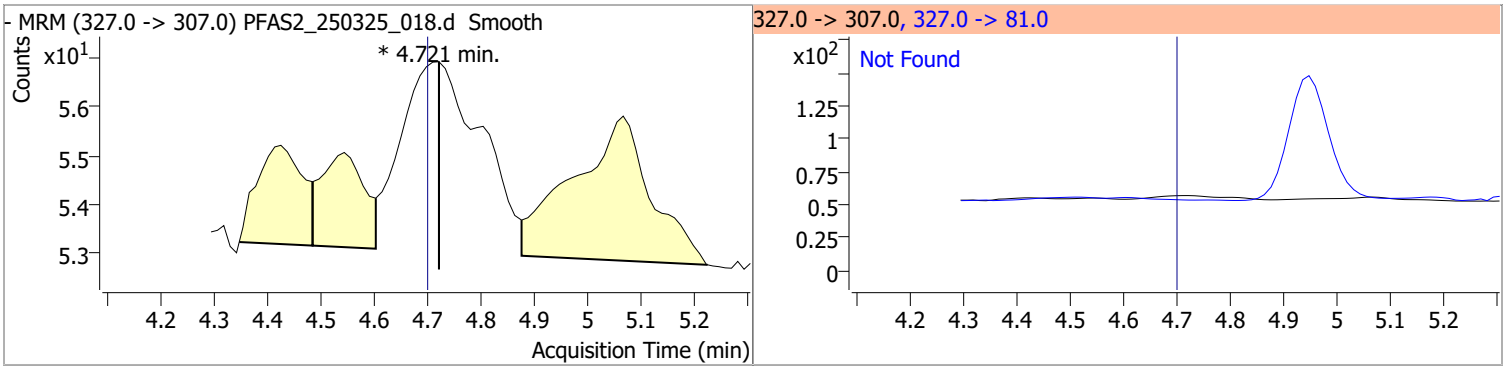




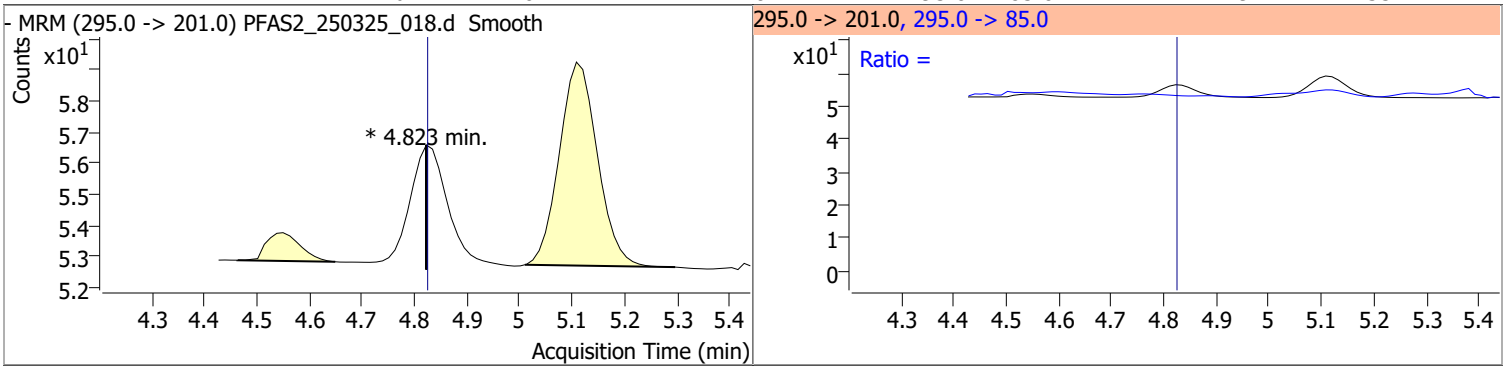
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.4909	4.70	0.00	25702	329.0 -> 309.0	283.8	292.1	542.4



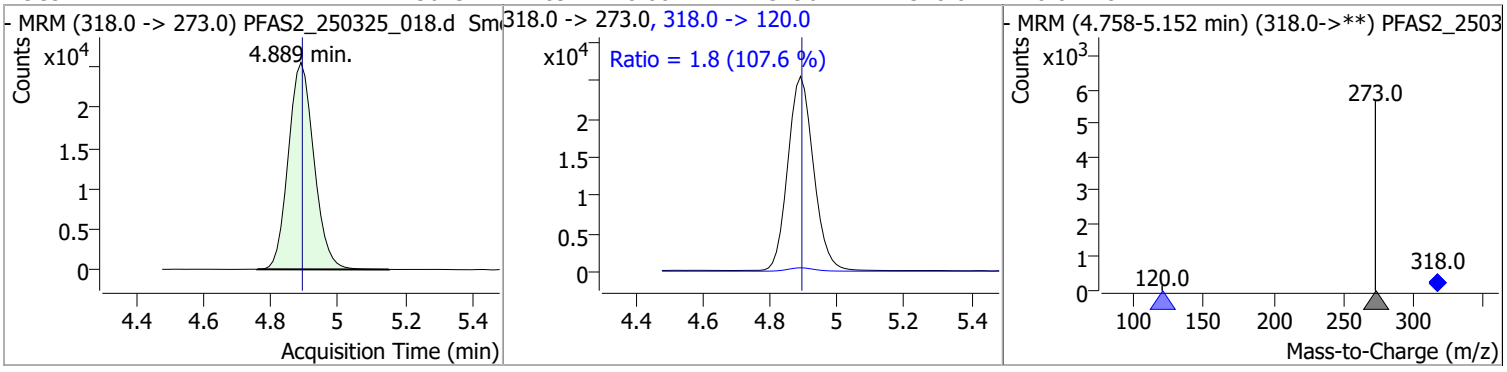
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



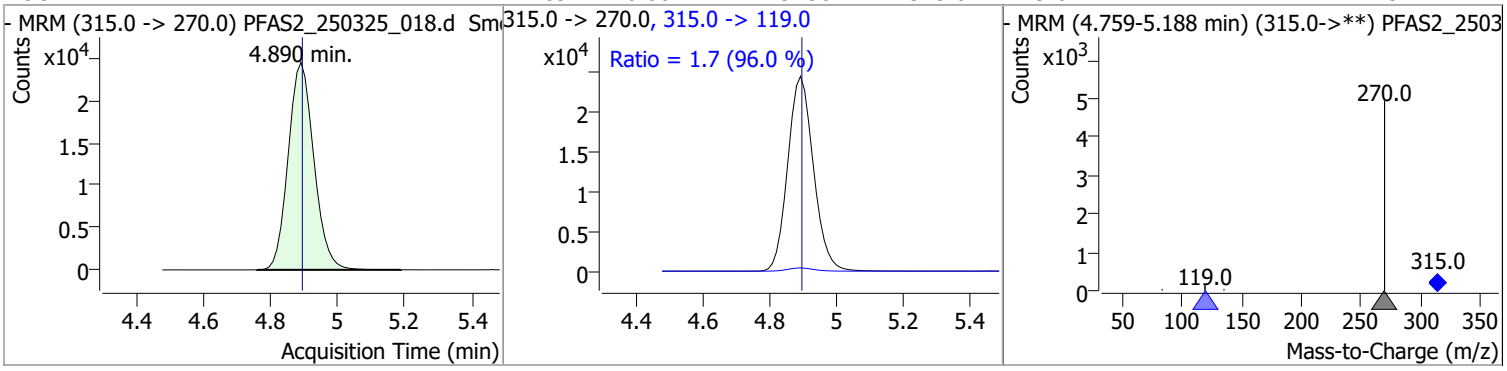
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



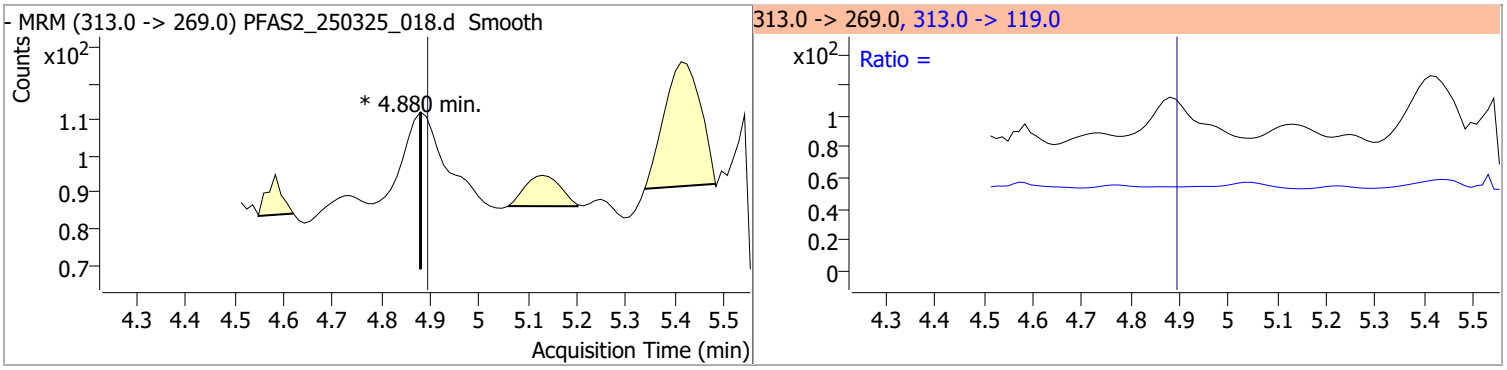
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3623	4.89	0.00	134961	318.0 -> 120.0	1.8	1.1	2.1



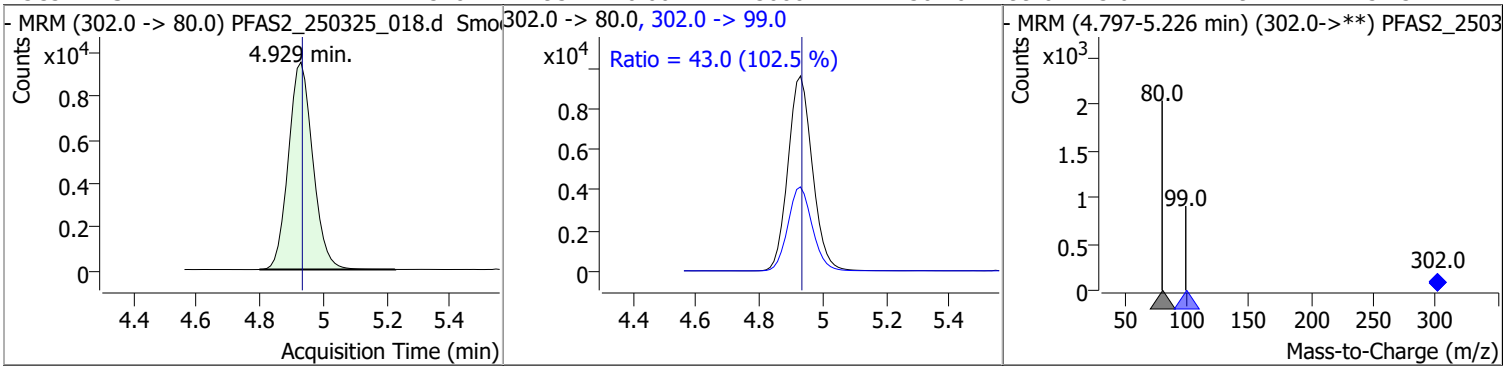
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	129758	315.0 -> 119.0	1.7	1.2	2.3



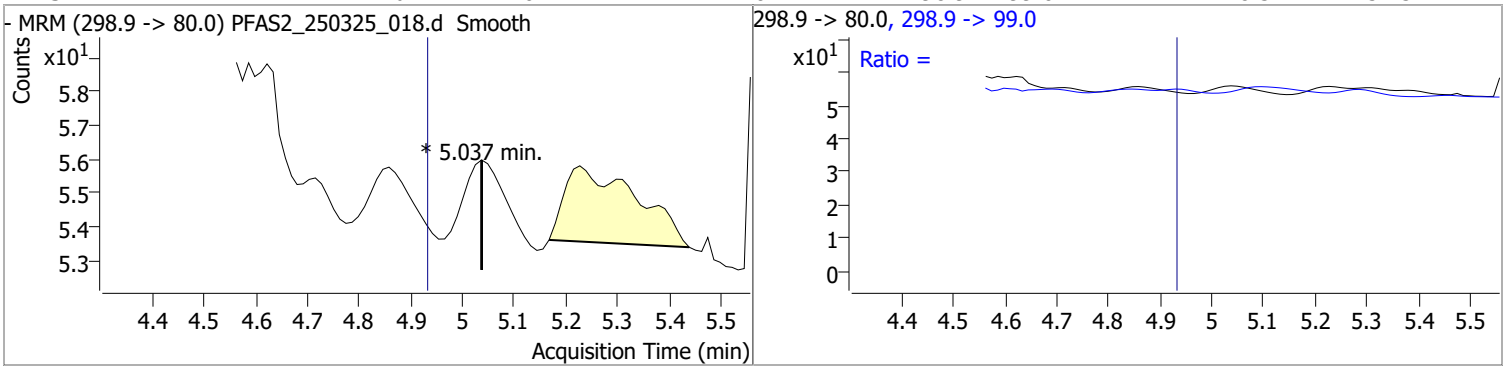
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



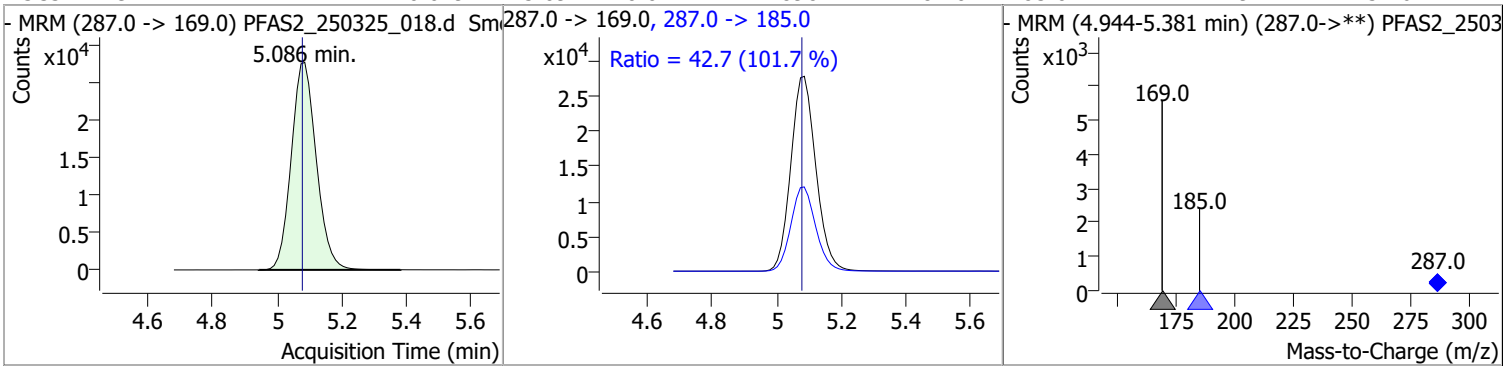
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2548	4.93	0.00	50884	302.0 -> 99.0	43.0	29.4	54.5



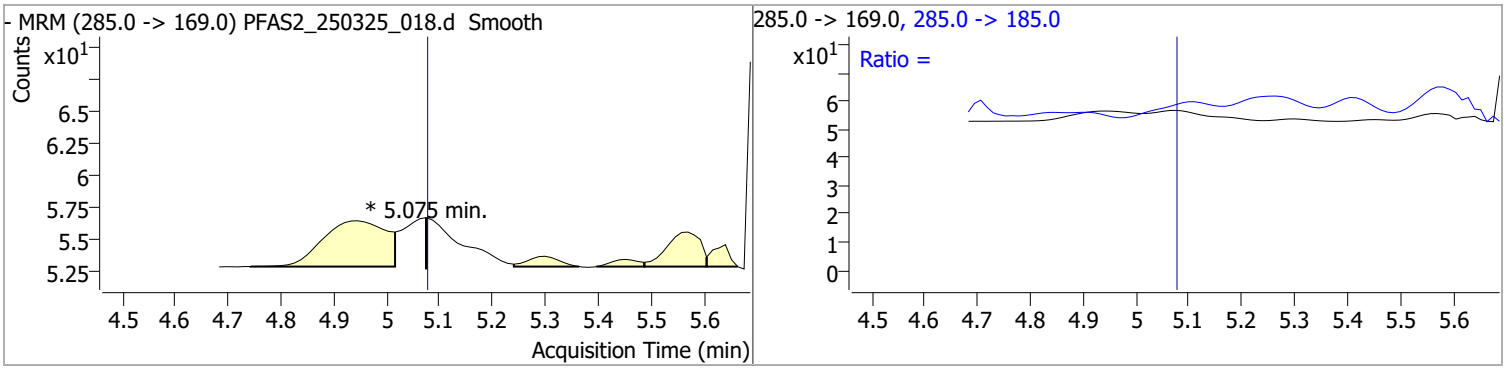
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



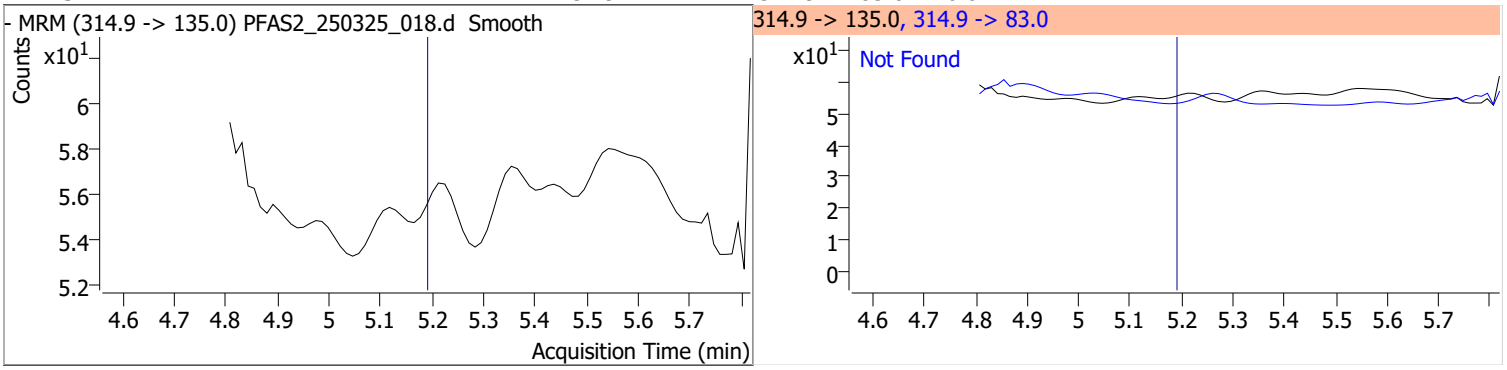
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0791	5.09	0.01	148987	287.0 -> 185.0	42.7	29.4	54.6



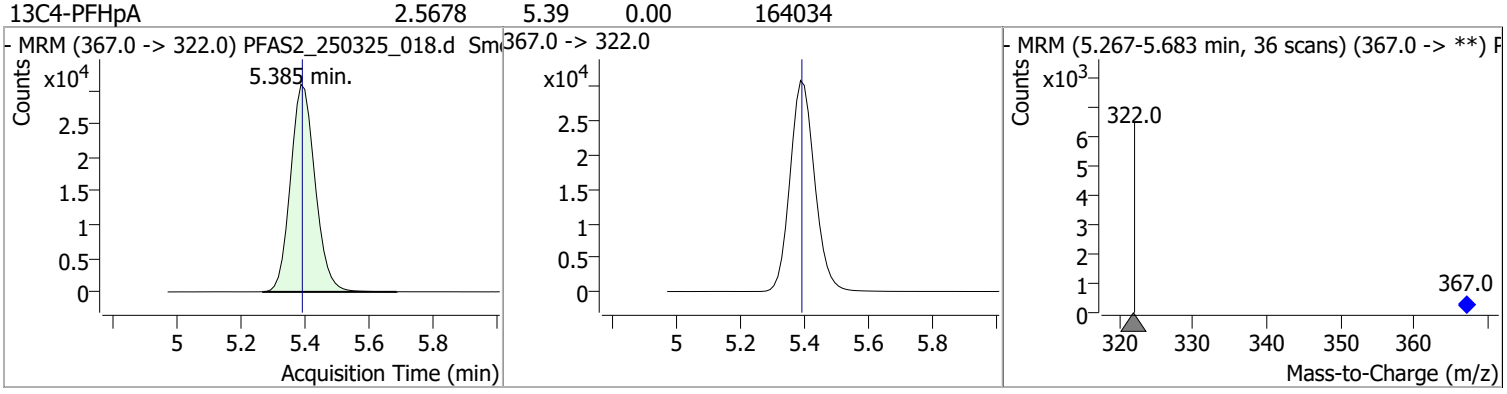
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



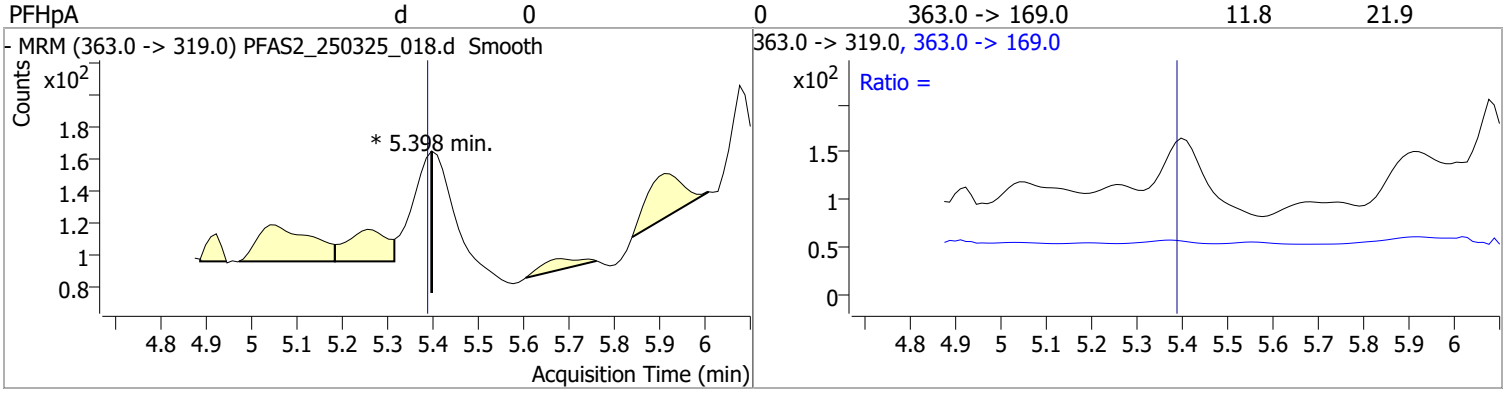
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.19	314.9 -> 83.0	6.8



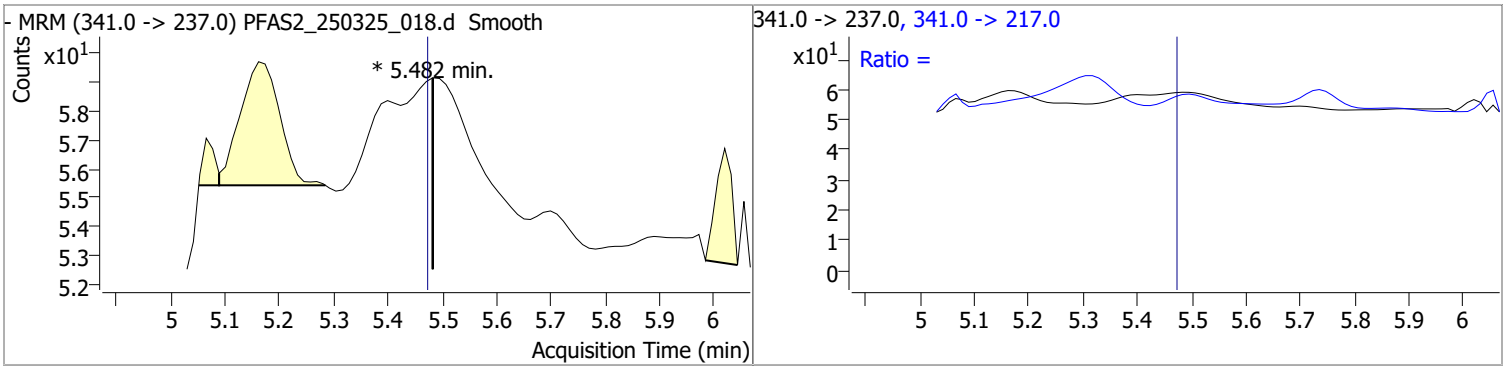
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5678	5.39	0.00	164034				



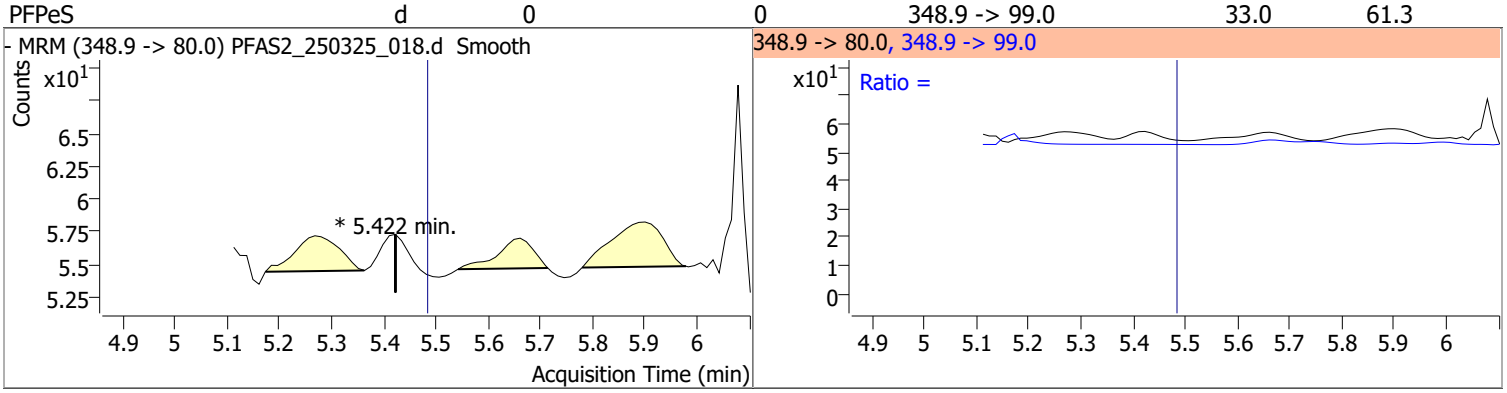
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



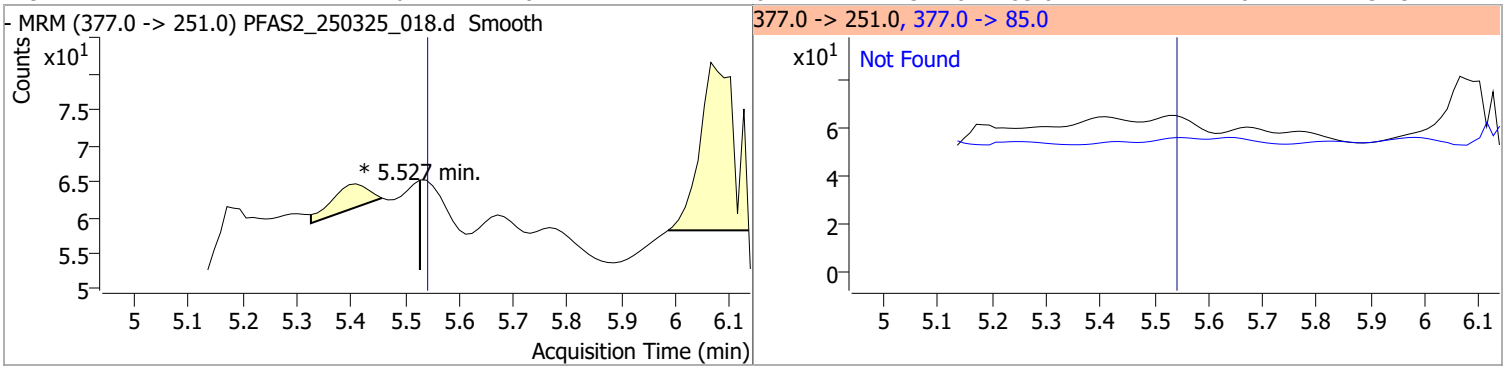
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



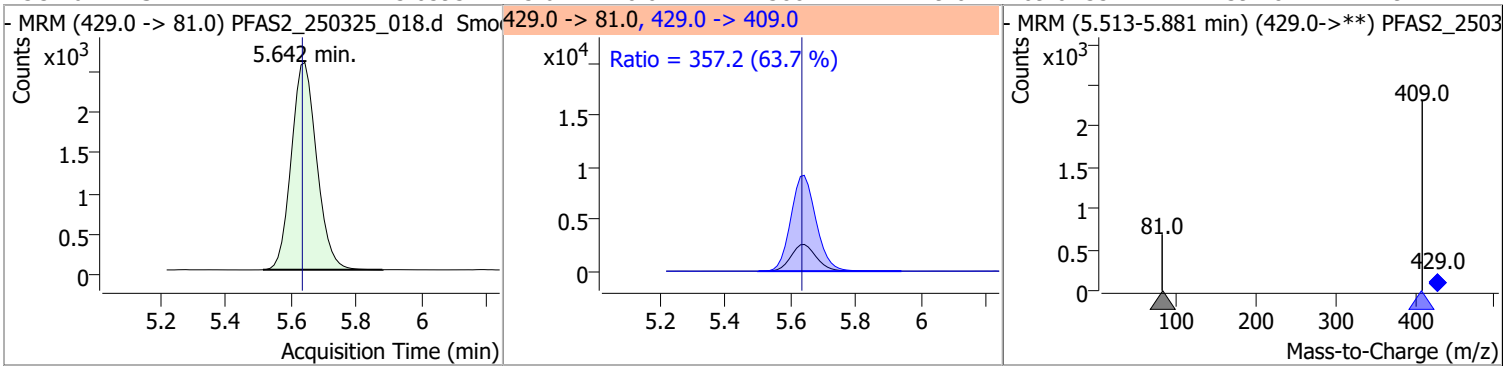
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



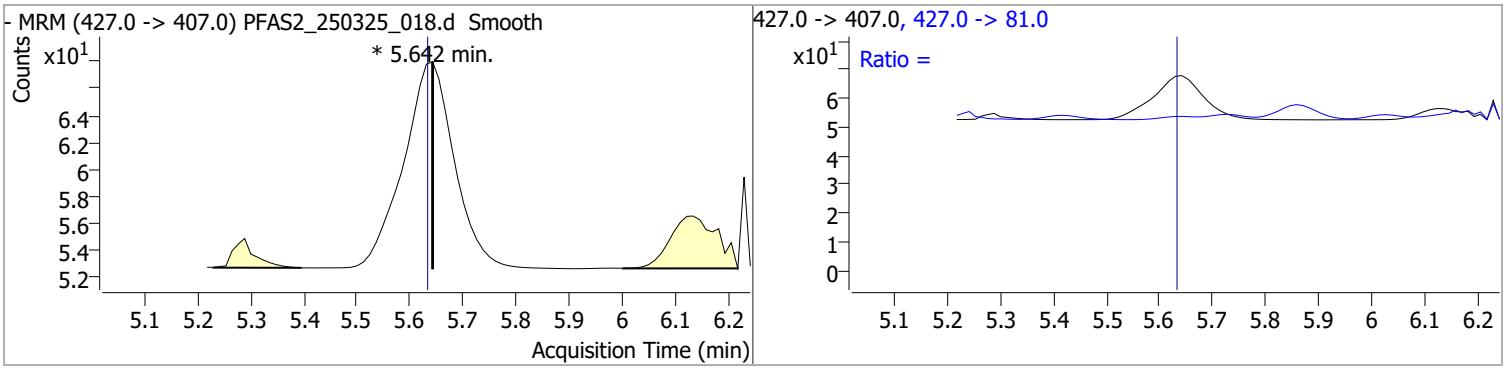
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



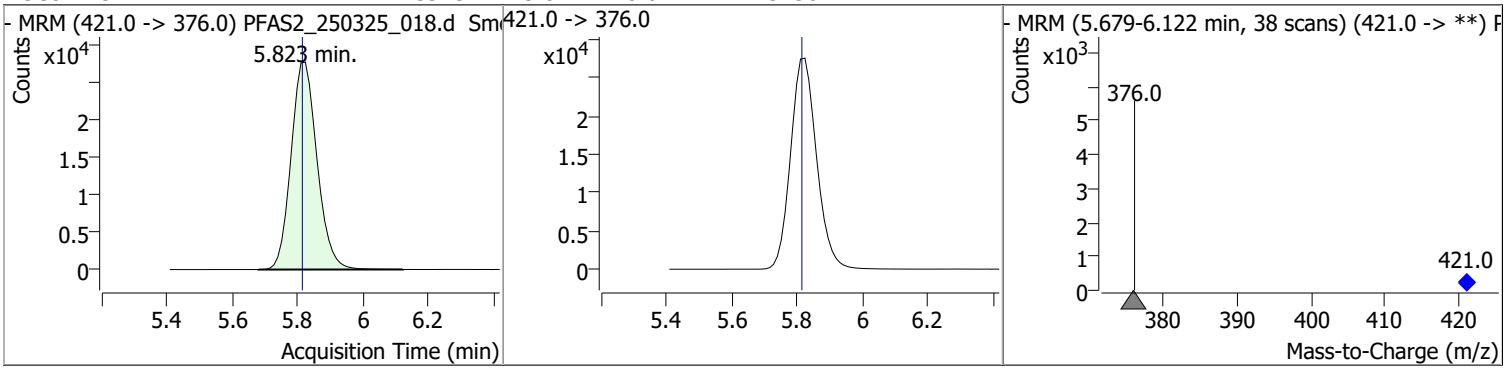
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.0593	5.64	0.01	13884	429.0 -> 409.0	357.2	392.8	729.4



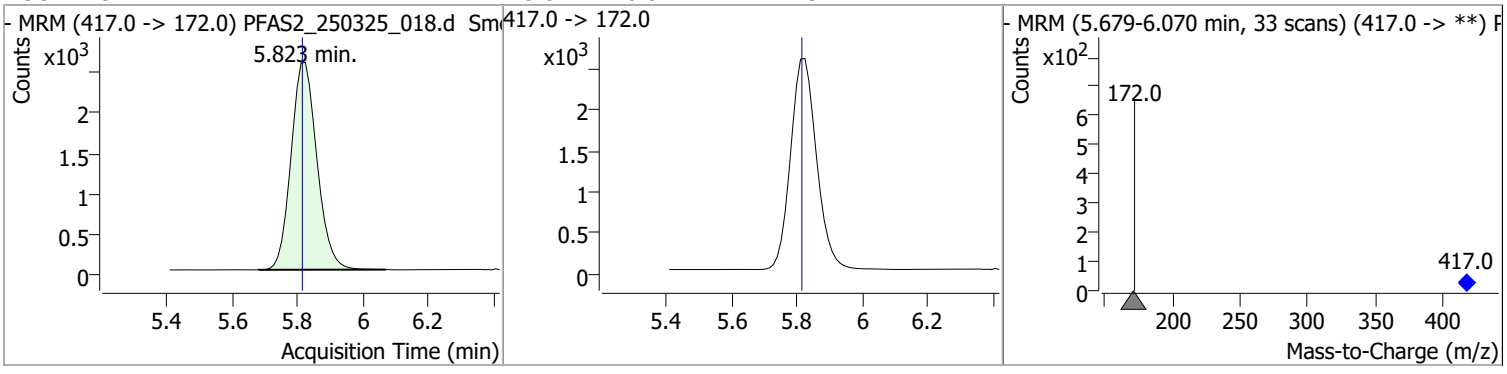
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



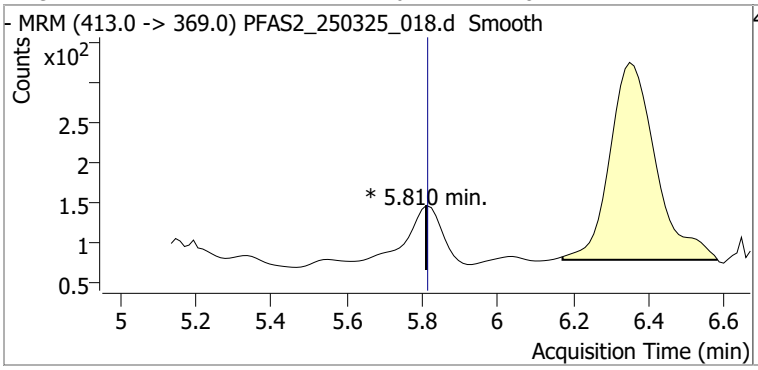
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3945	5.82	0.01	152302				

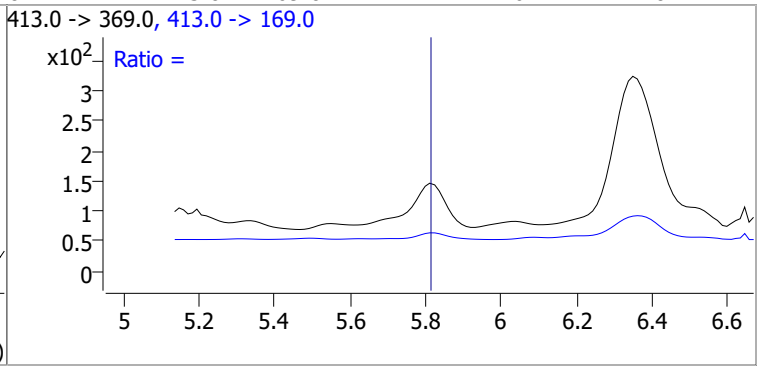


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	14223				

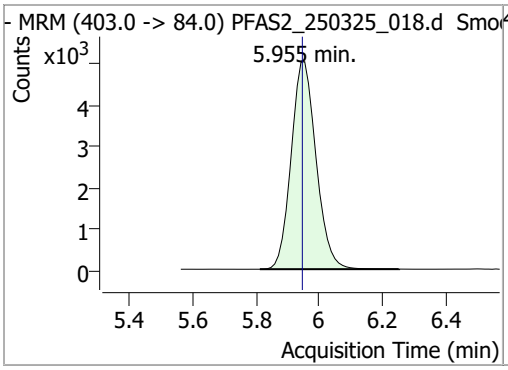


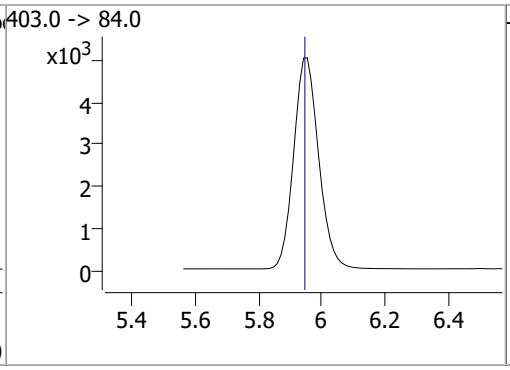
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	d	0		0	413.0 -> 169.0		14.6	27.0

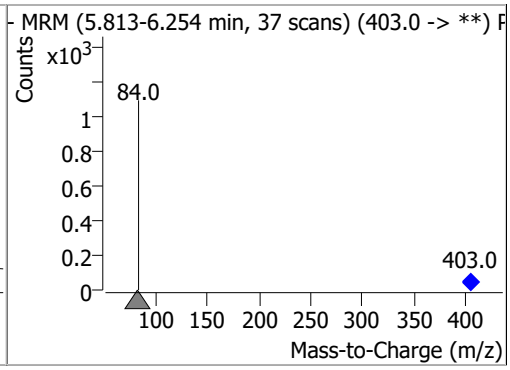




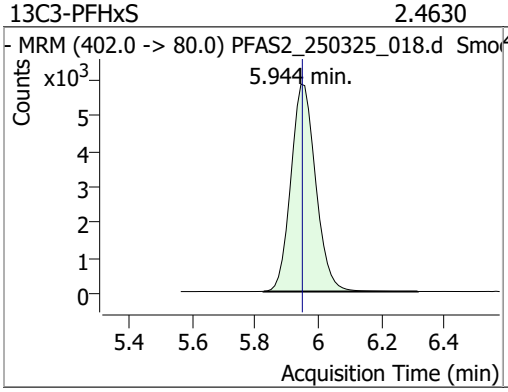
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	27559				

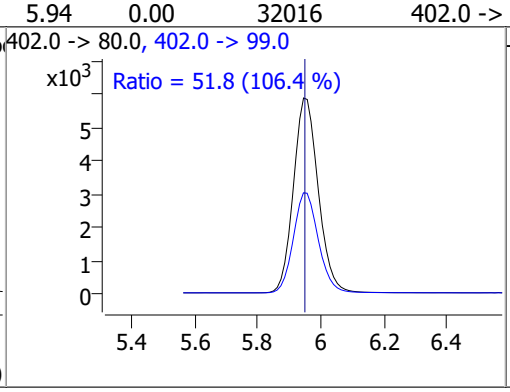


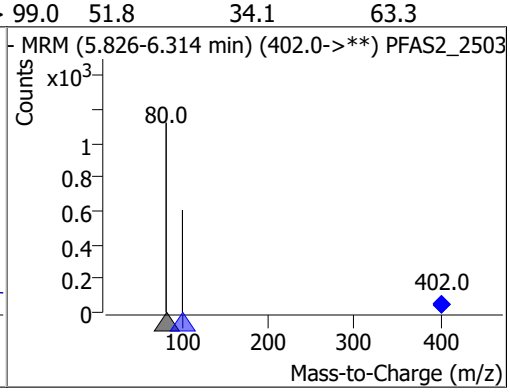




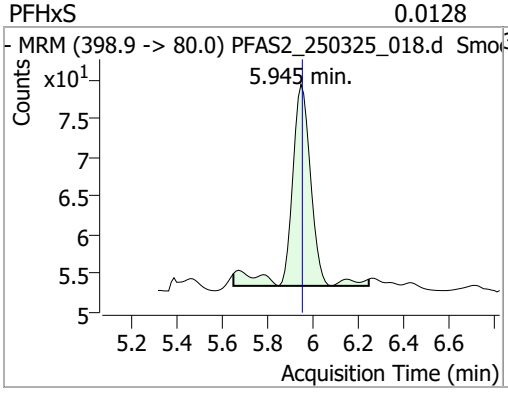
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4630	5.94	0.00	32016	402.0 -> 99.0	51.8	34.1	63.3

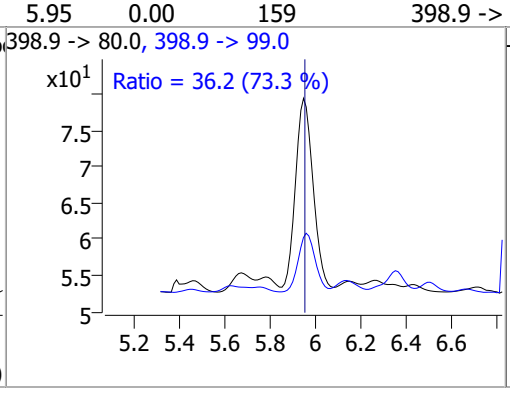


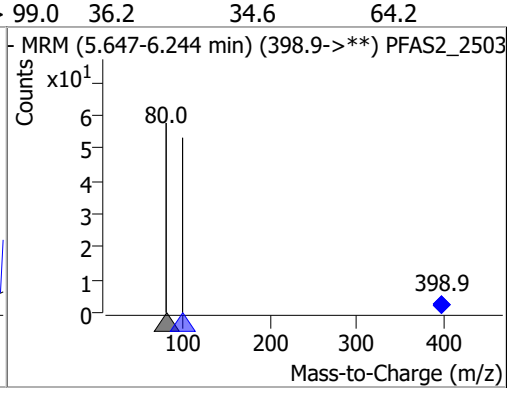




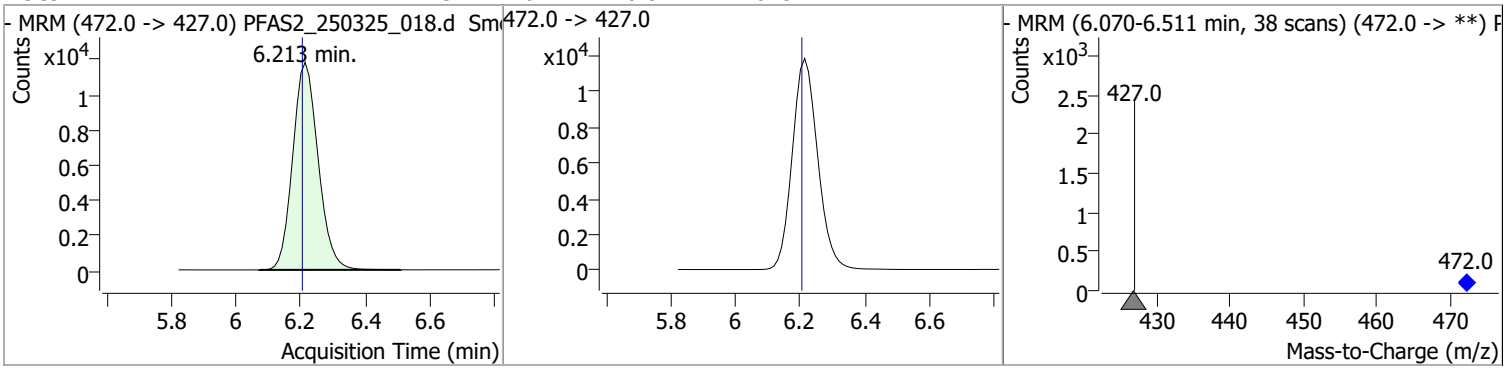
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.95	0.00	159	398.9 -> 99.0	36.2	34.6	64.2



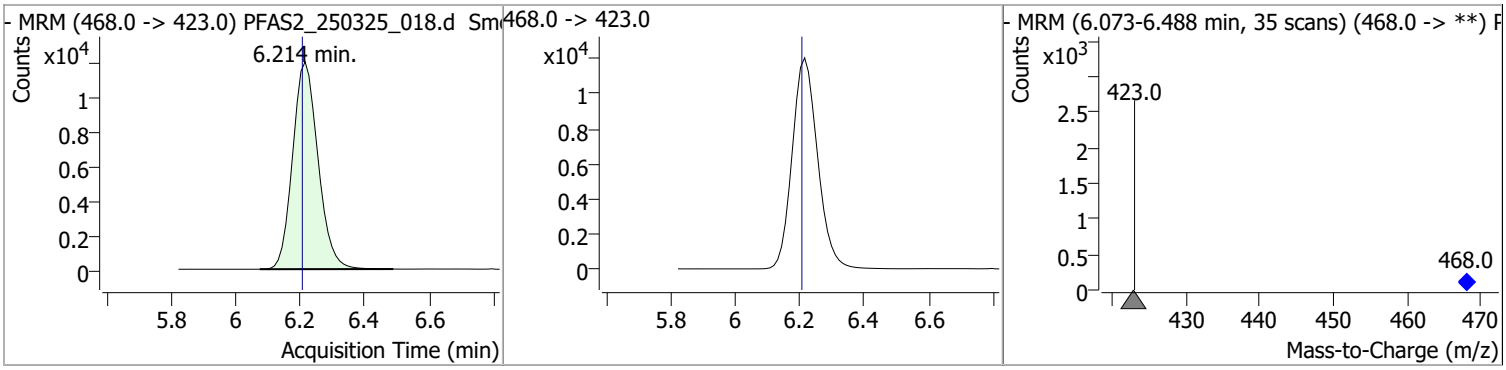




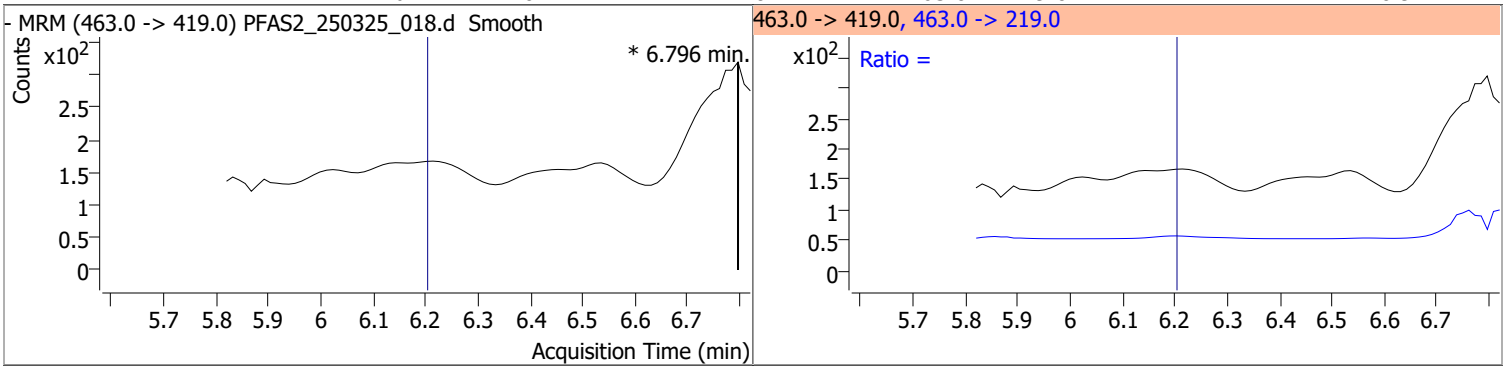
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2437	6.21	0.01	64811				



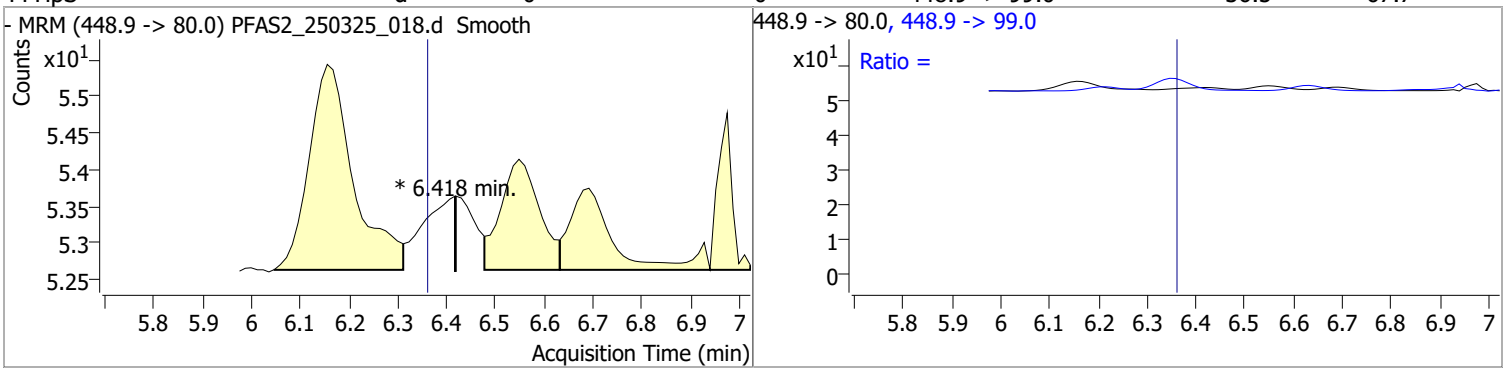
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	65767				



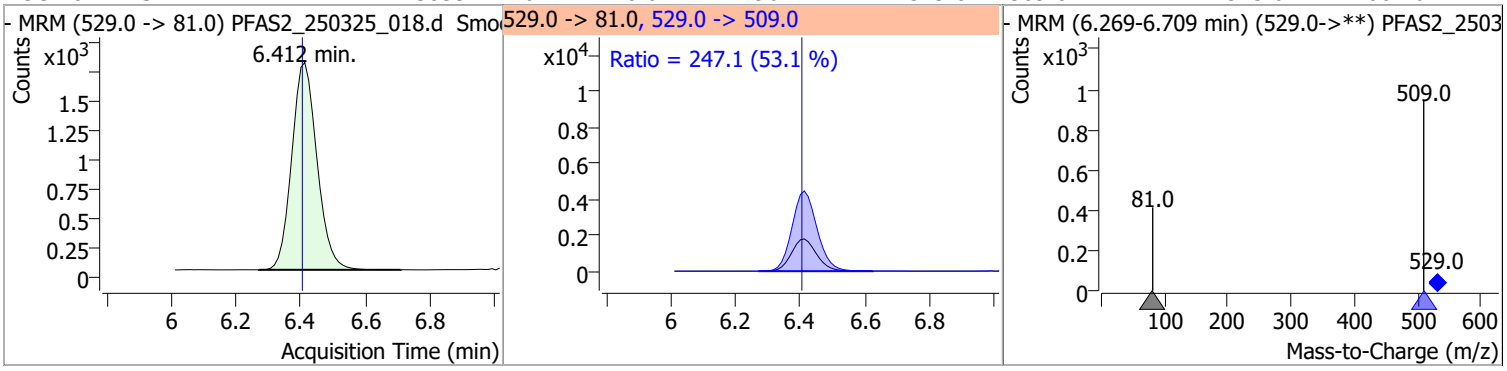
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



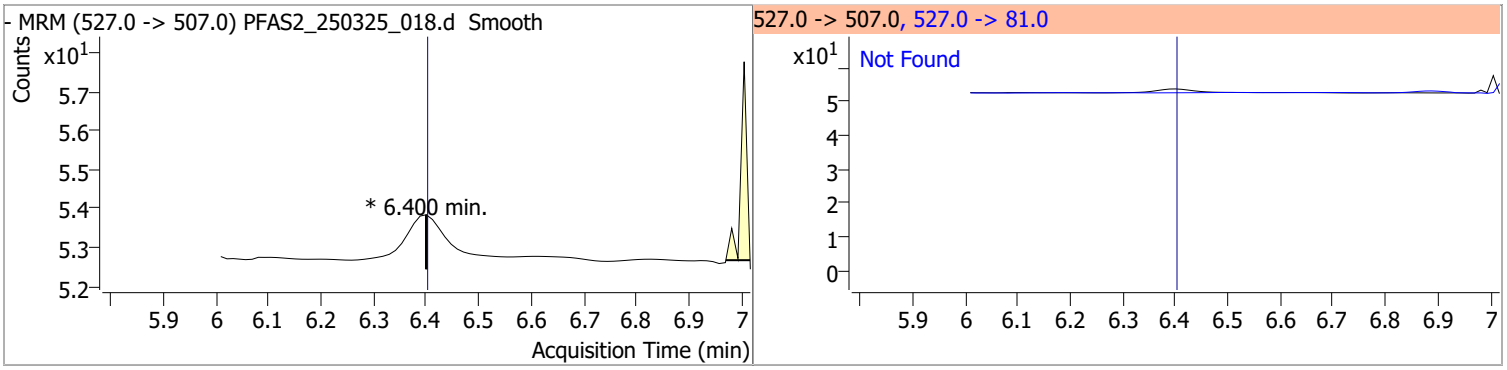
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



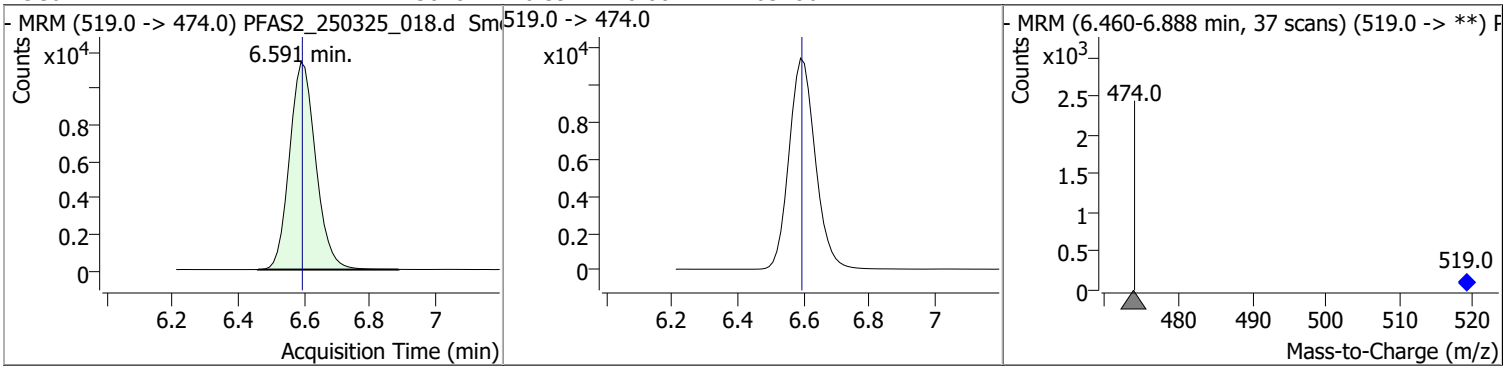
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.3835	6.41	0.01	9672	529.0 -> 509.0	247.1	325.6	604.6



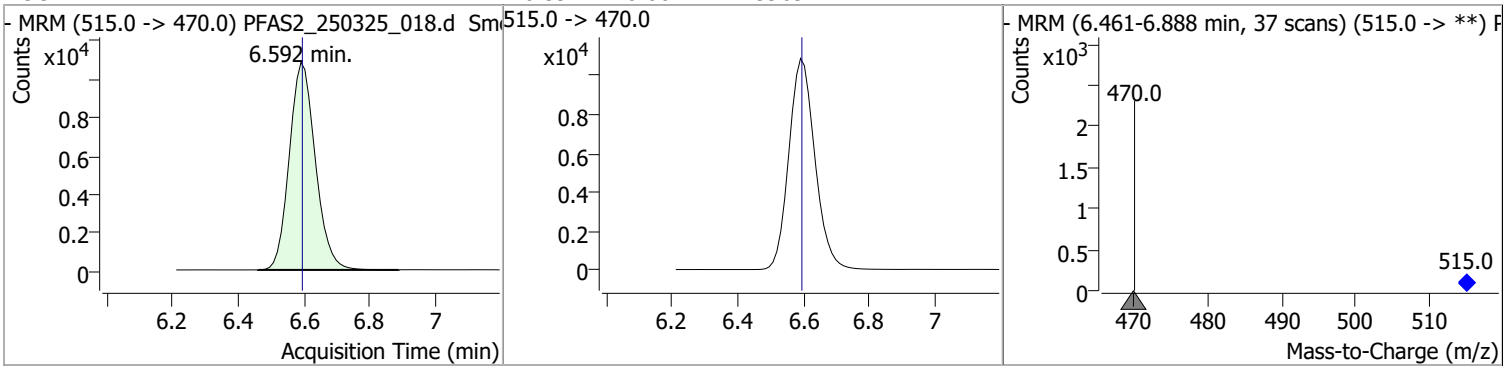
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



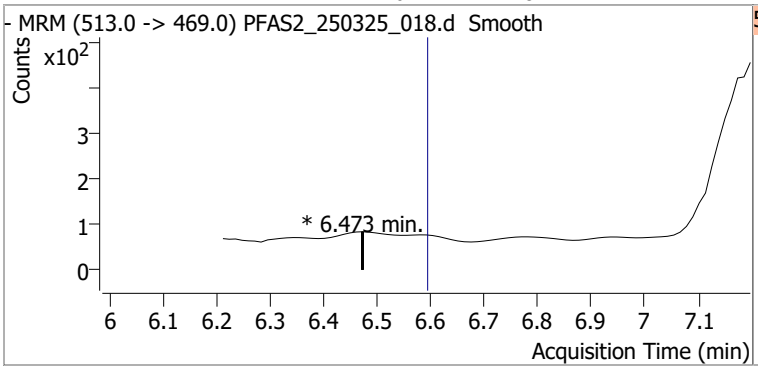
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3028	6.59	0.00	63286				

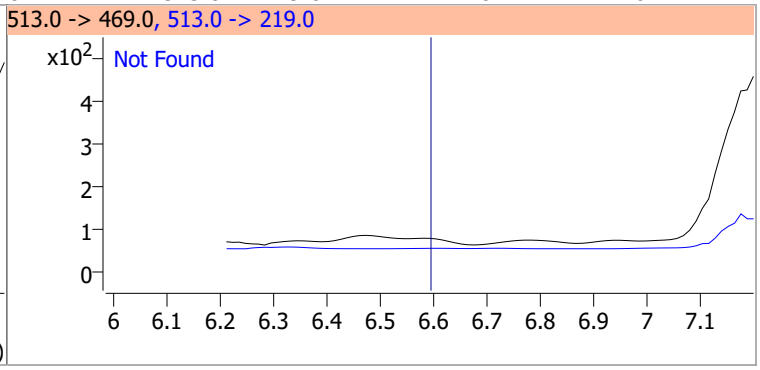


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59697				

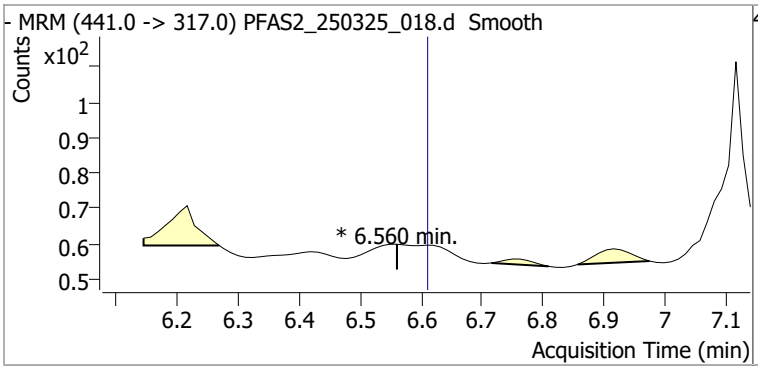


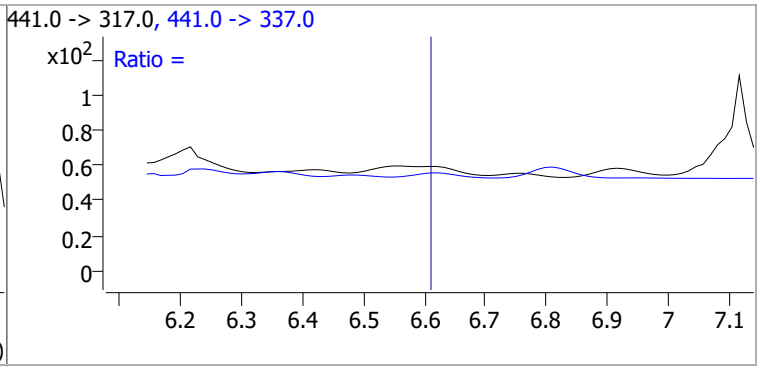
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



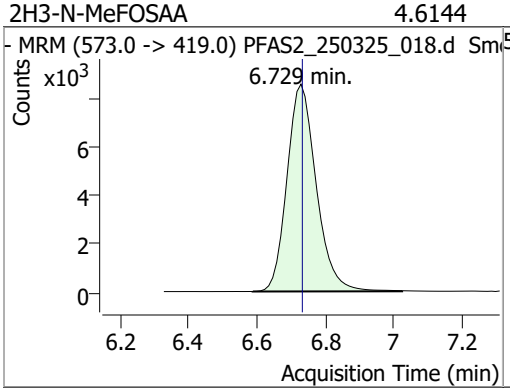


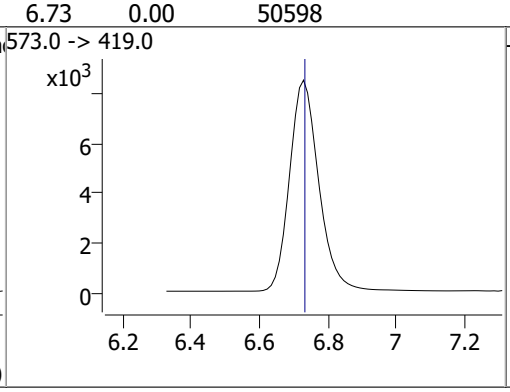
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

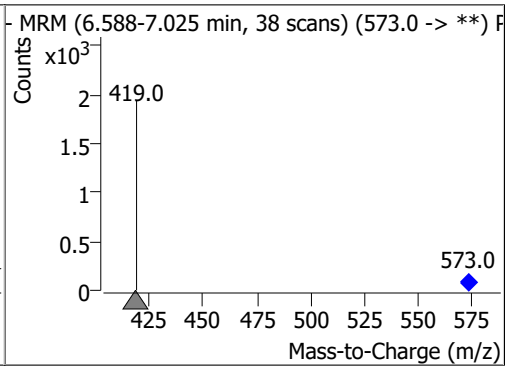




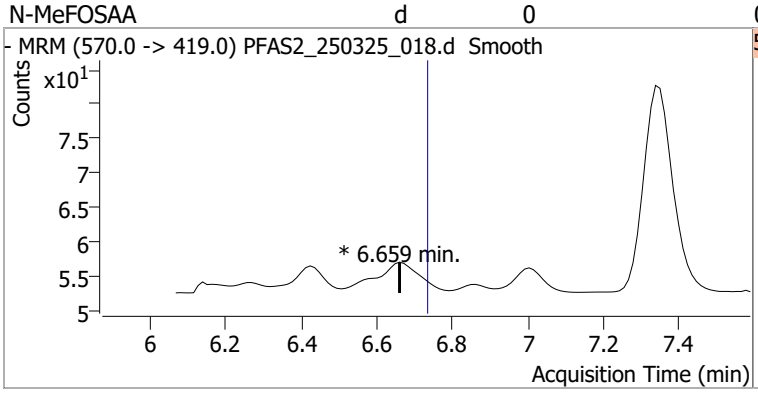
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6144	6.73	0.00	50598				

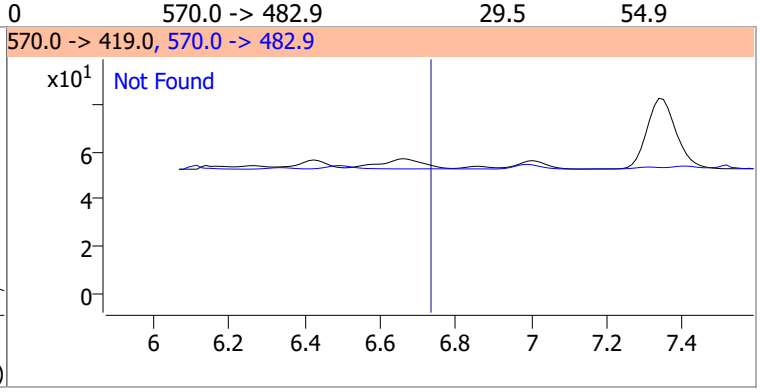




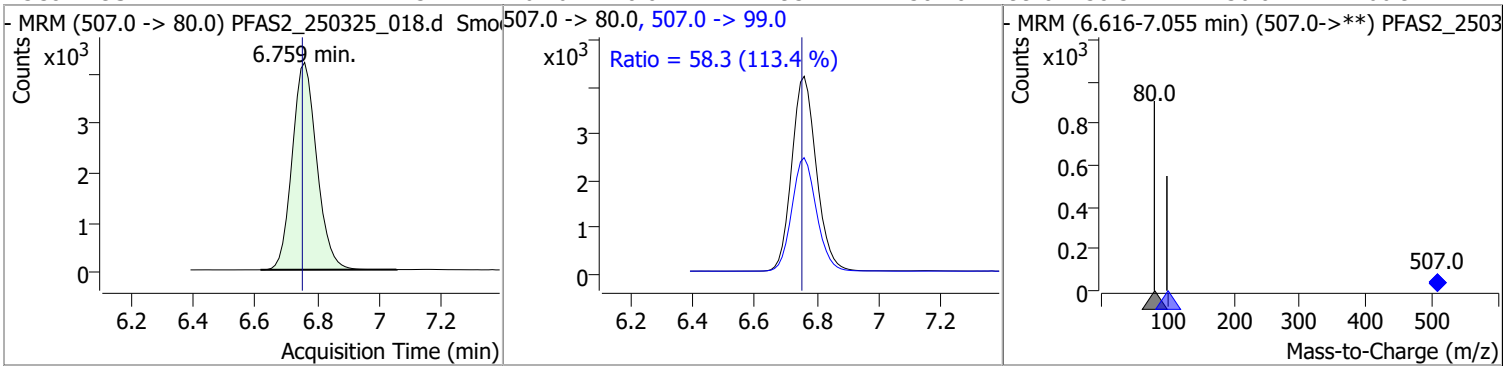


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

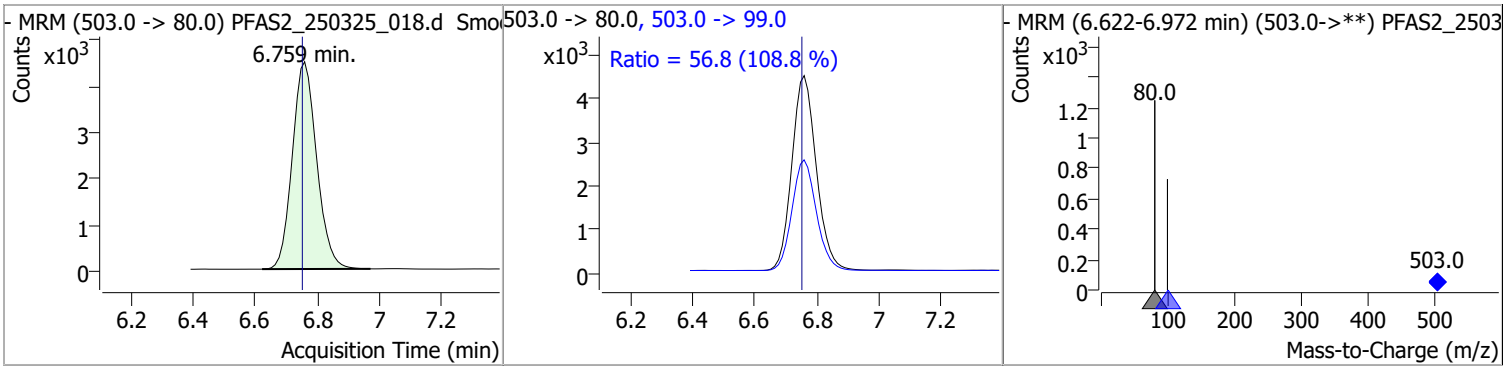




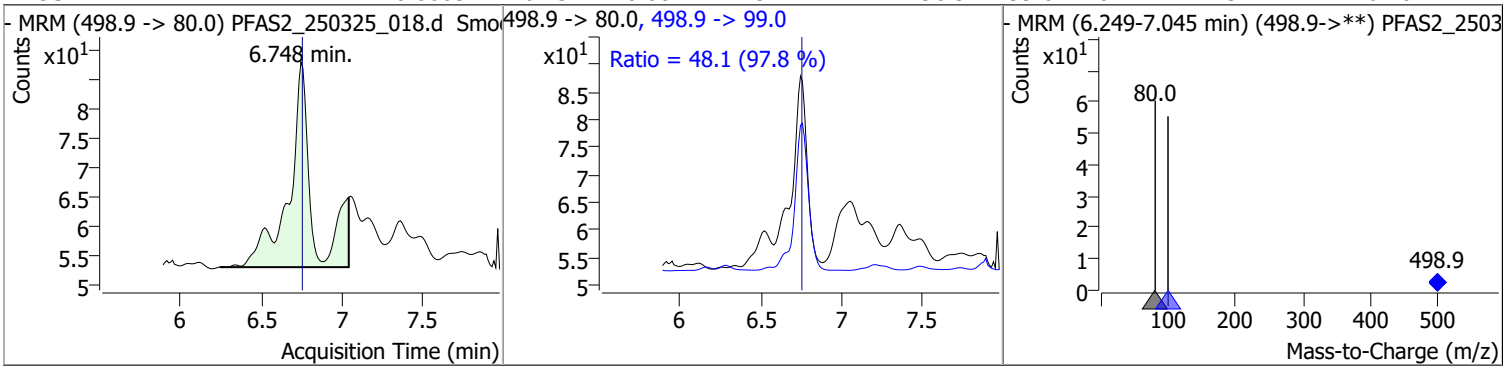
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3141	6.76	0.01	22952	507.0 -> 99.0	58.3	36.0	66.9



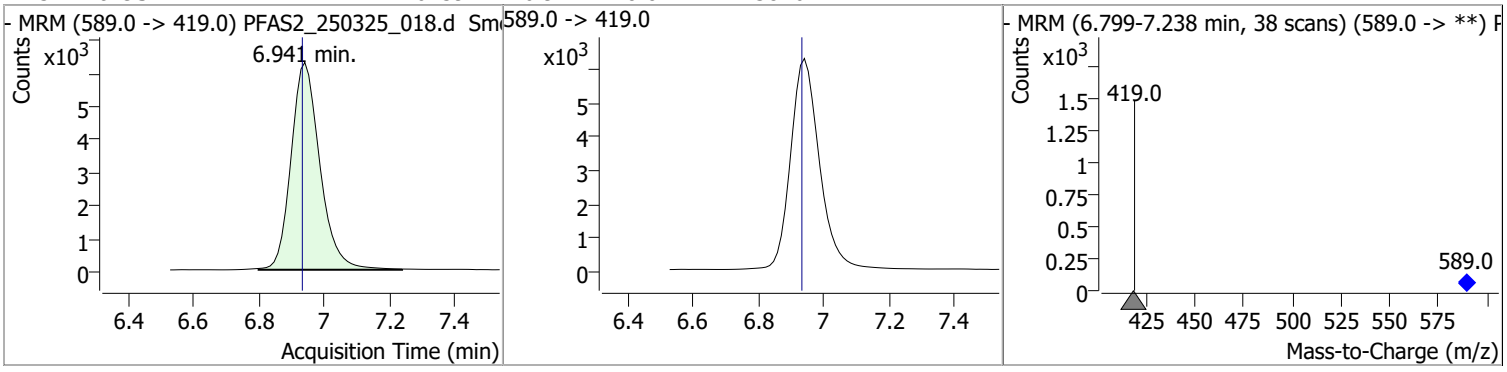
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	24438	503.0 -> 99.0	56.8	36.6	67.9



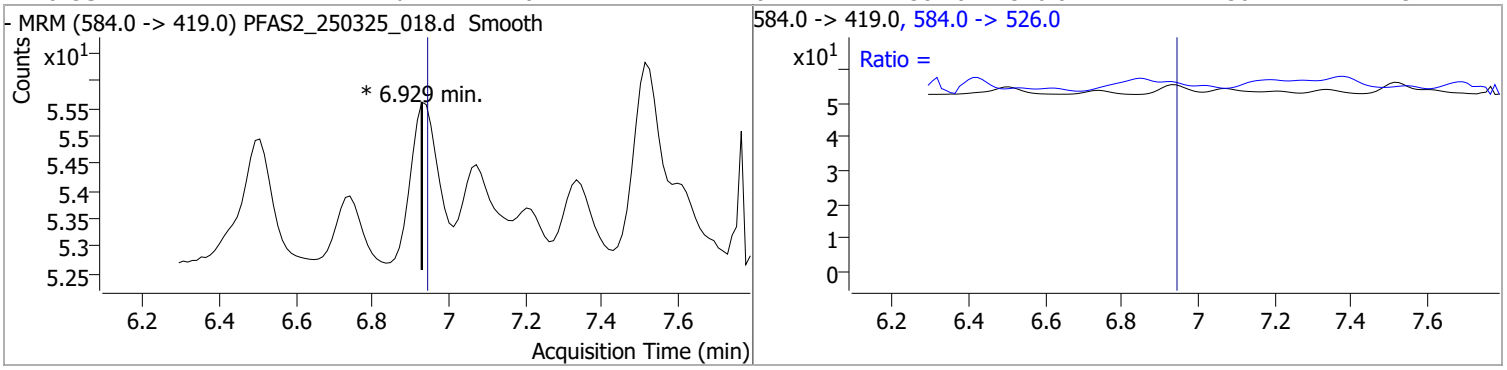
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0683	6.75	0.00	344	498.9 -> 99.0	48.1	34.4	64.0



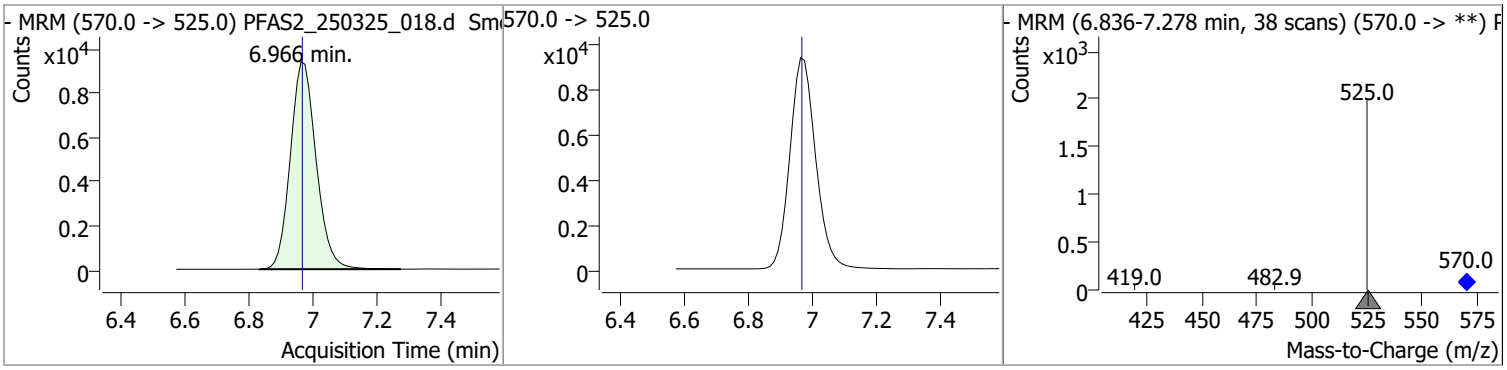
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6459	6.94	0.01	38461				



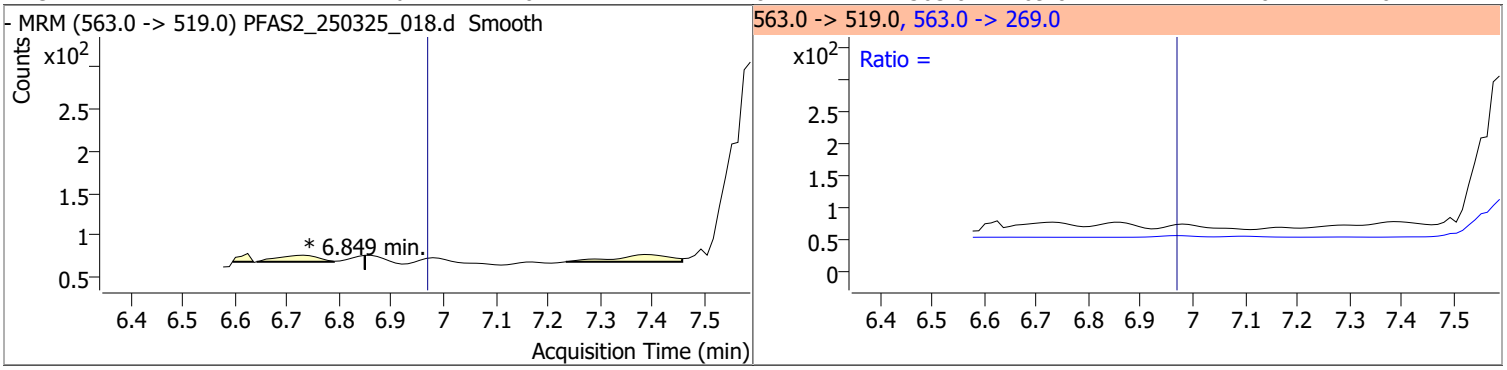
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



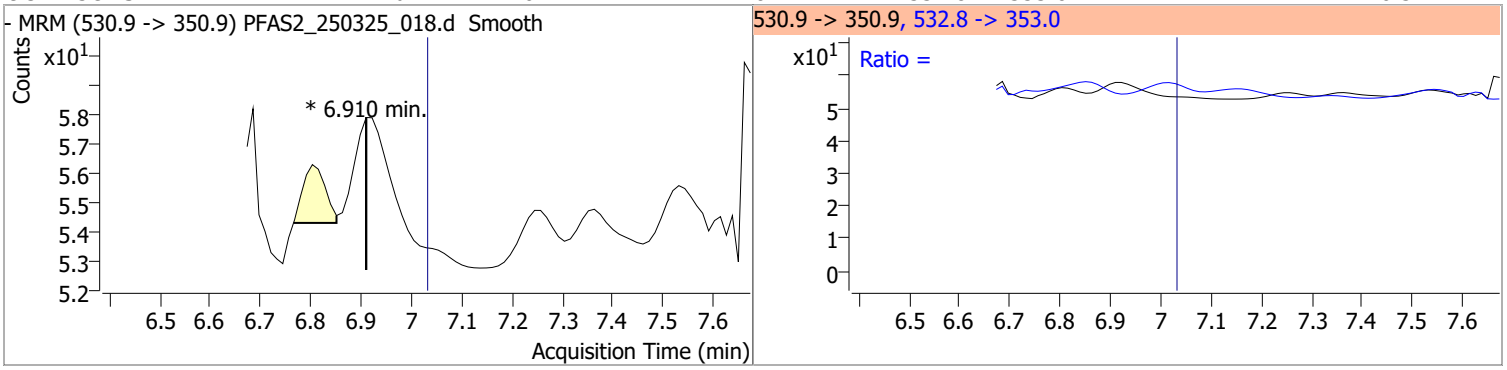
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3698	6.97	0.00	52440				



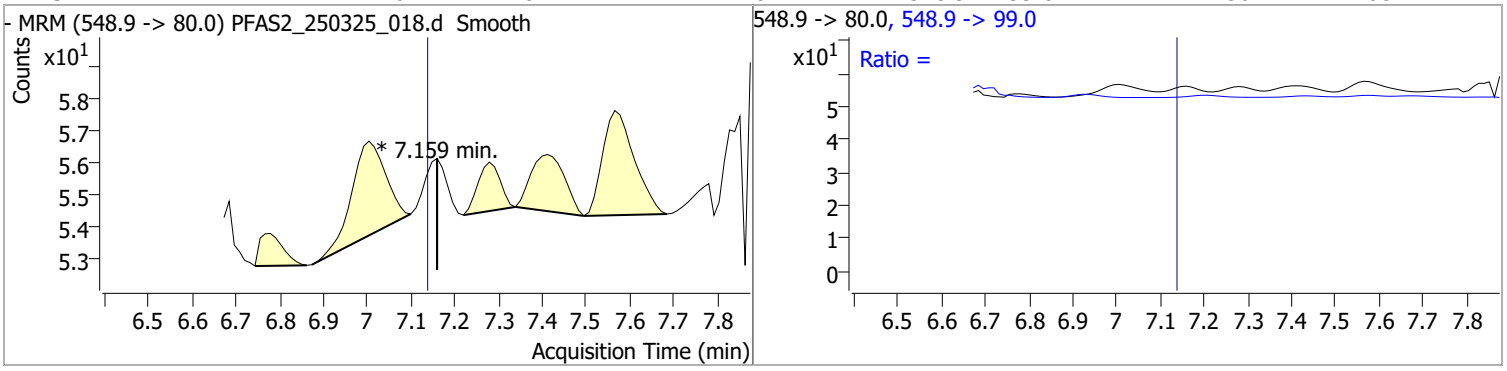
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



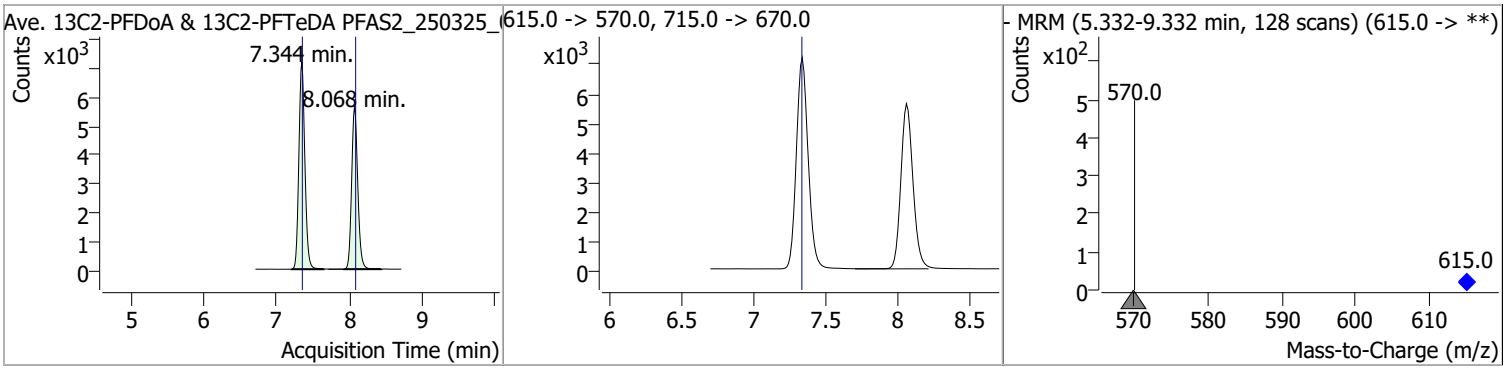
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



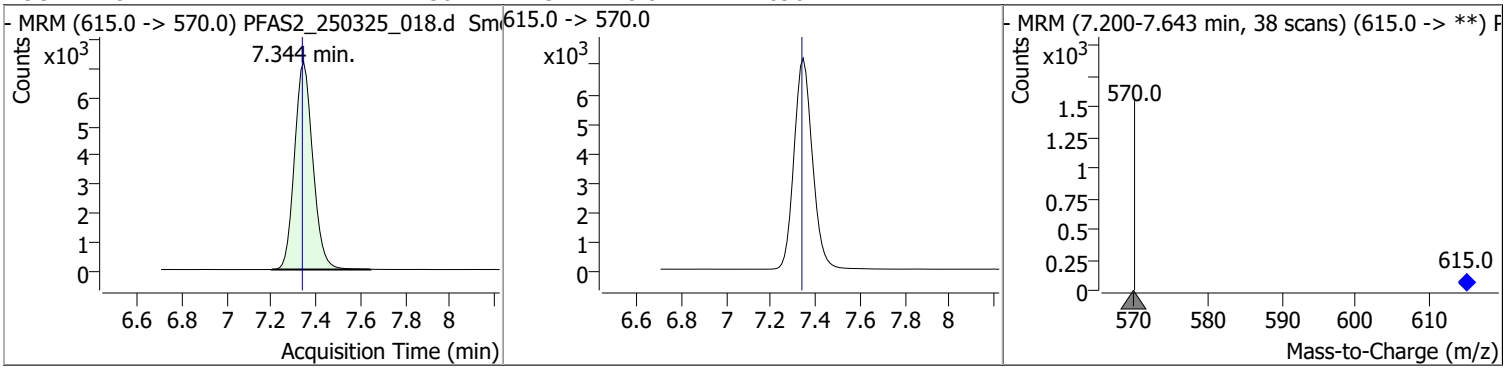
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



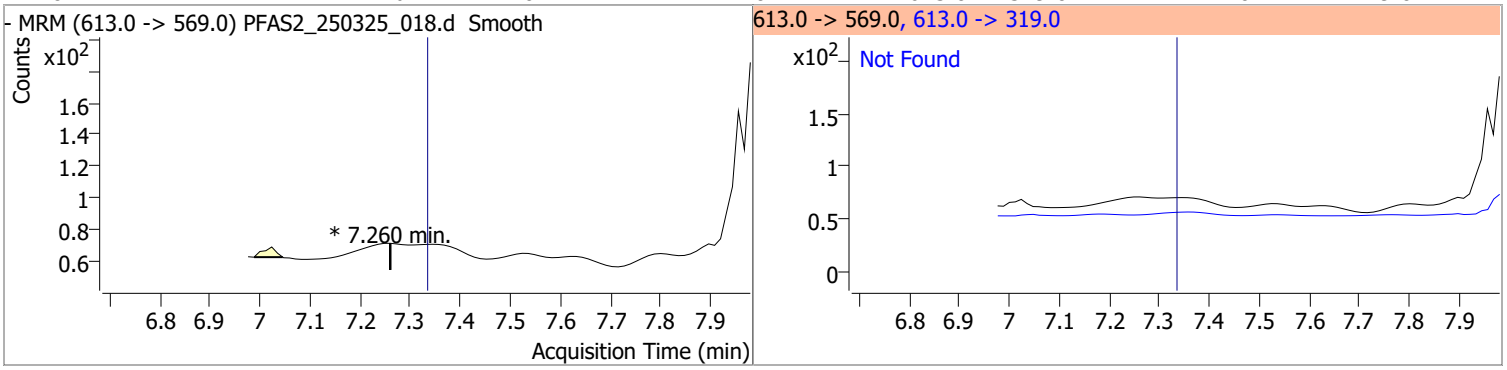
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1719	7.71	0.37	36980				



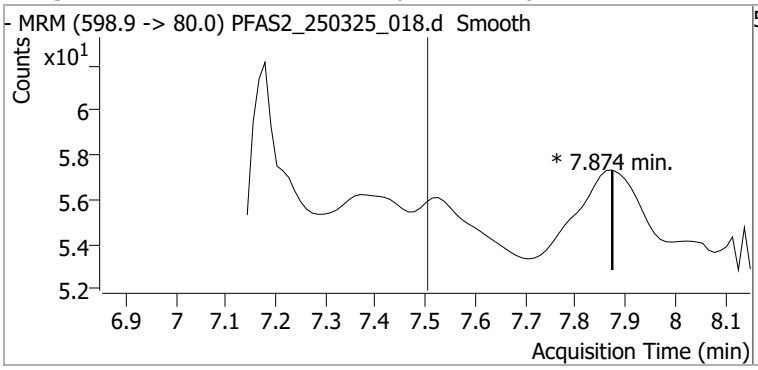
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4361	7.34	0.01	40961				

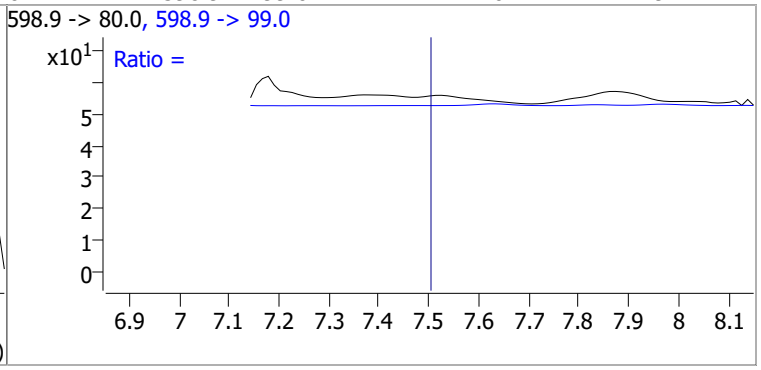


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

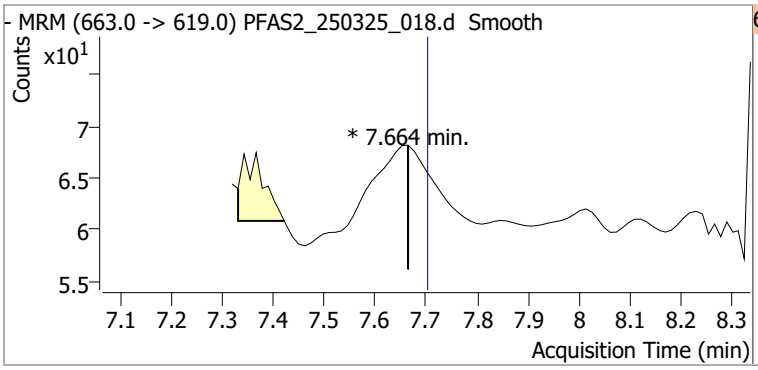


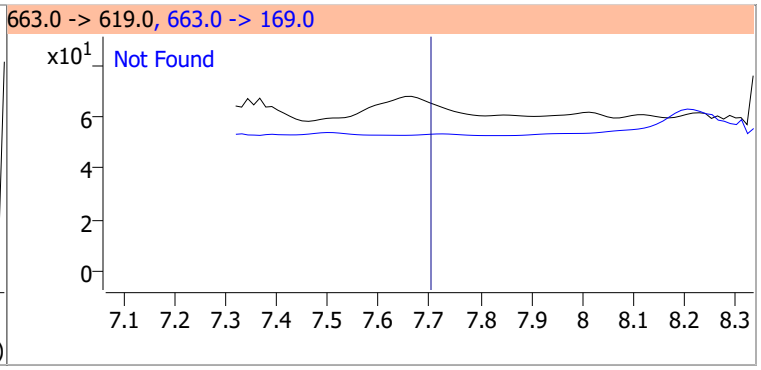
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



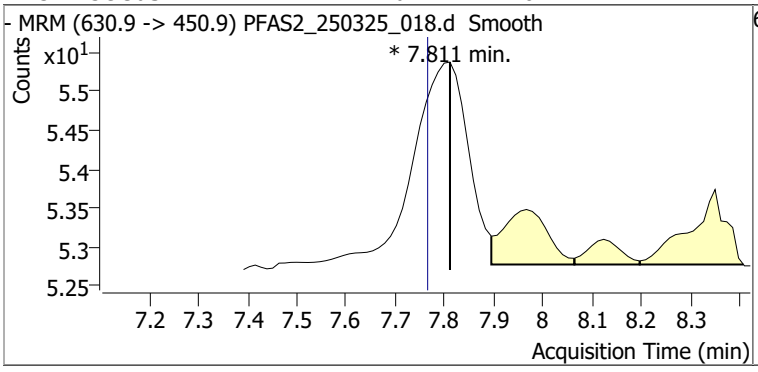


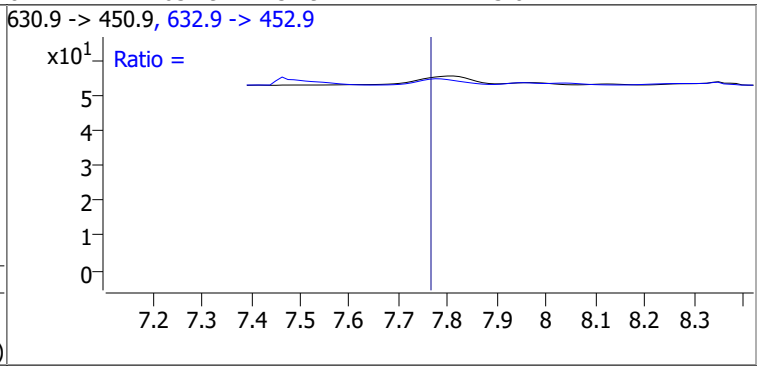
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



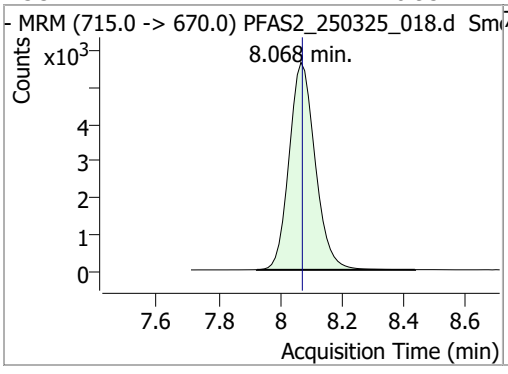


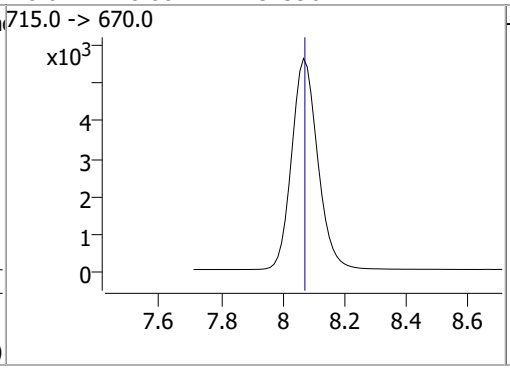
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

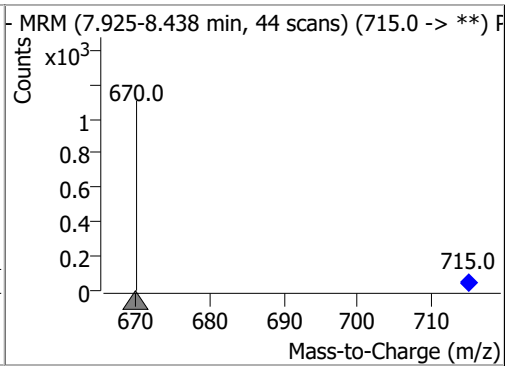




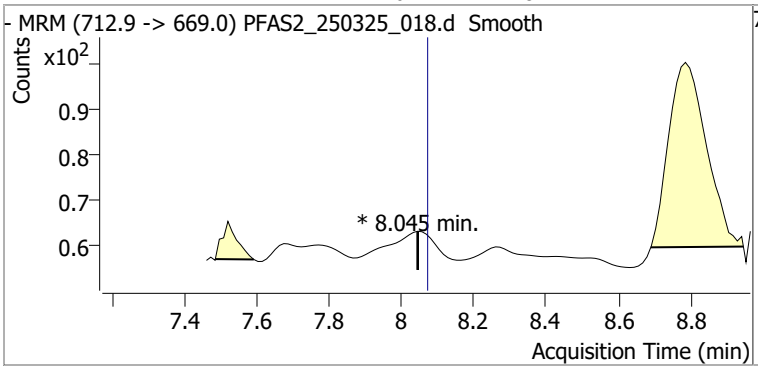
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9541	8.07	0.00	32998				

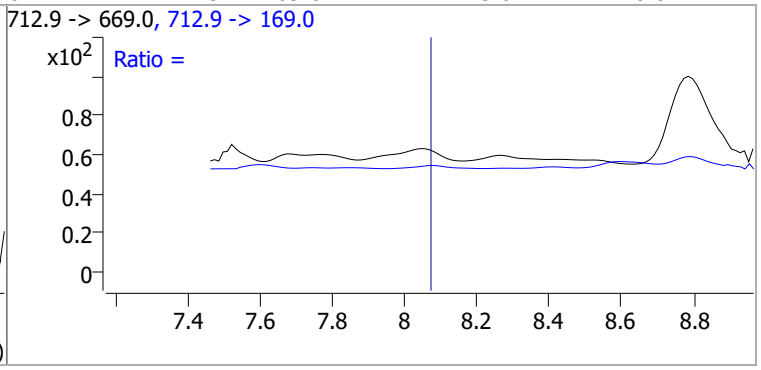




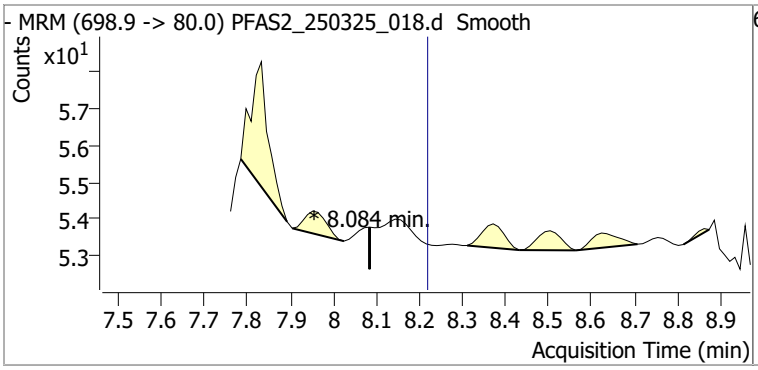


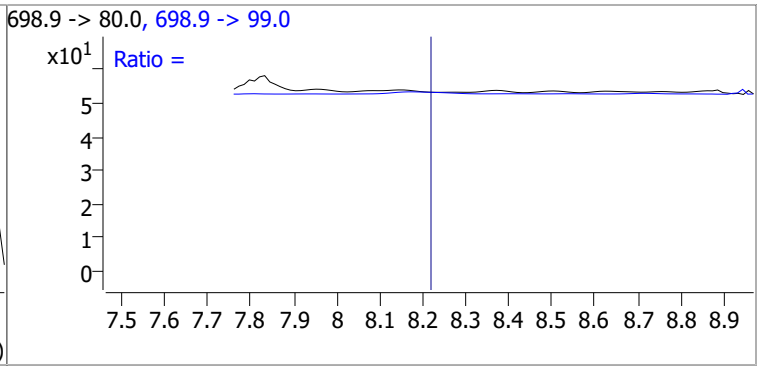
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



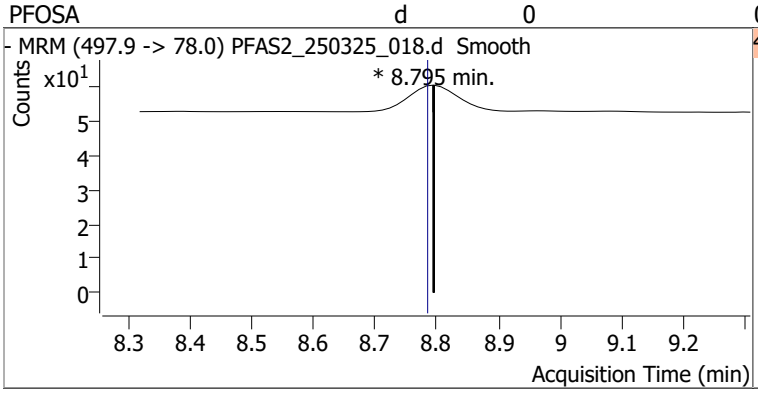


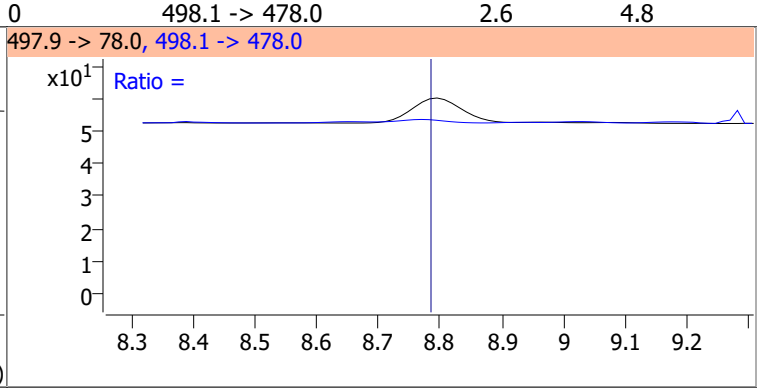
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



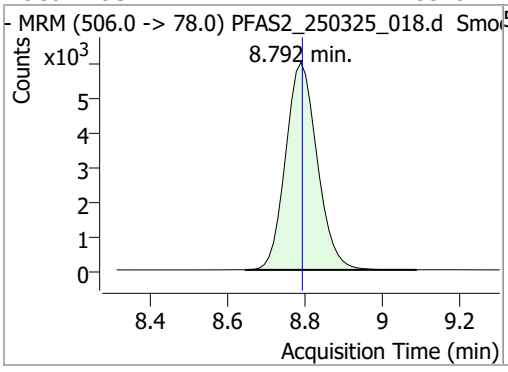


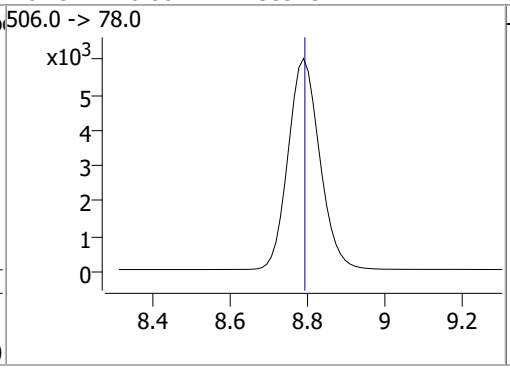
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

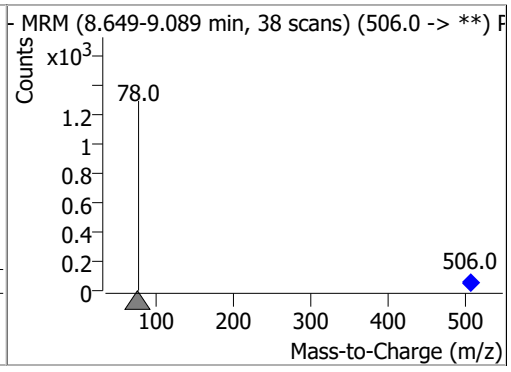




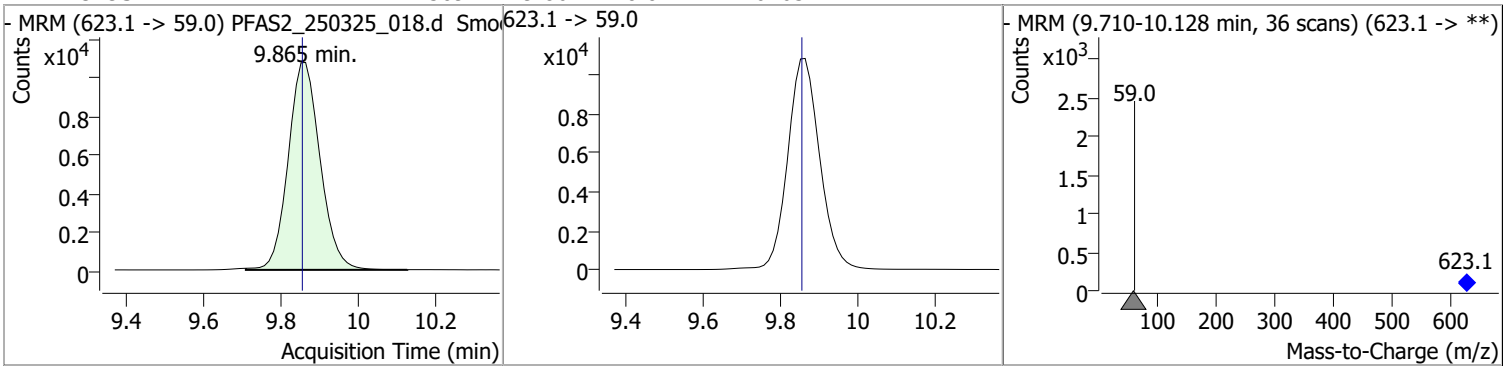
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3340	8.79	0.00	33923				



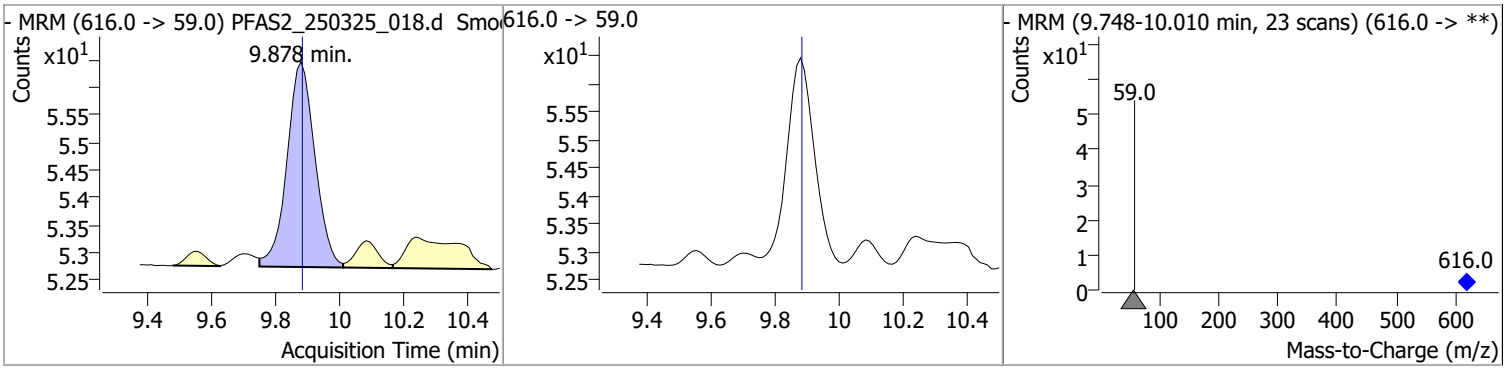




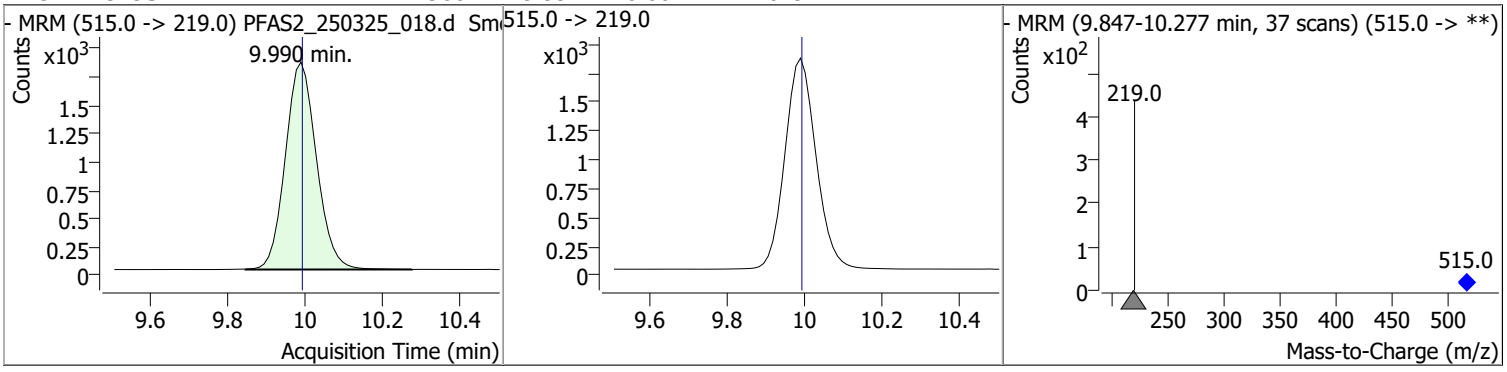
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.5094	9.86	0.01	61632				



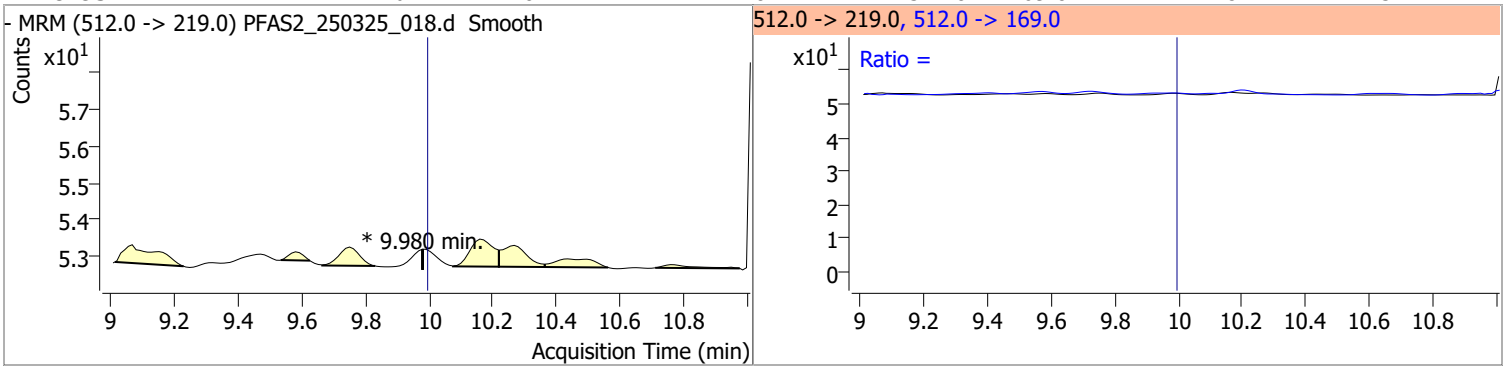
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	23				



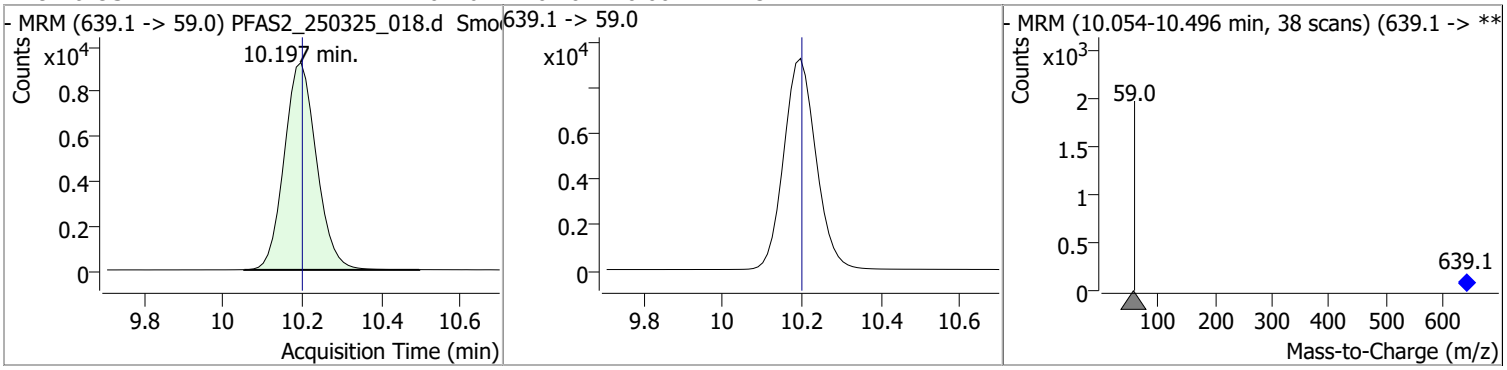
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4988	9.99	0.00	10192				



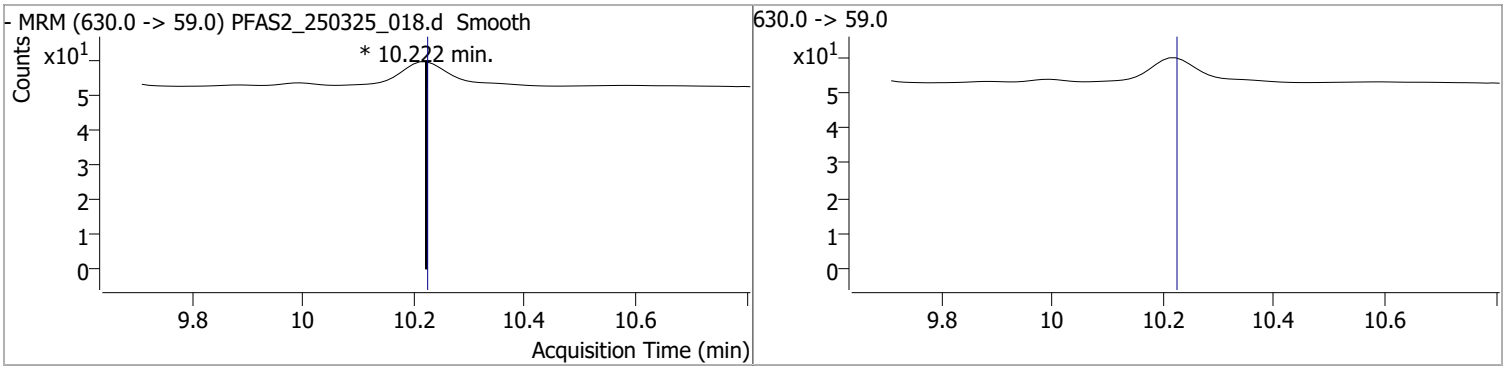
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



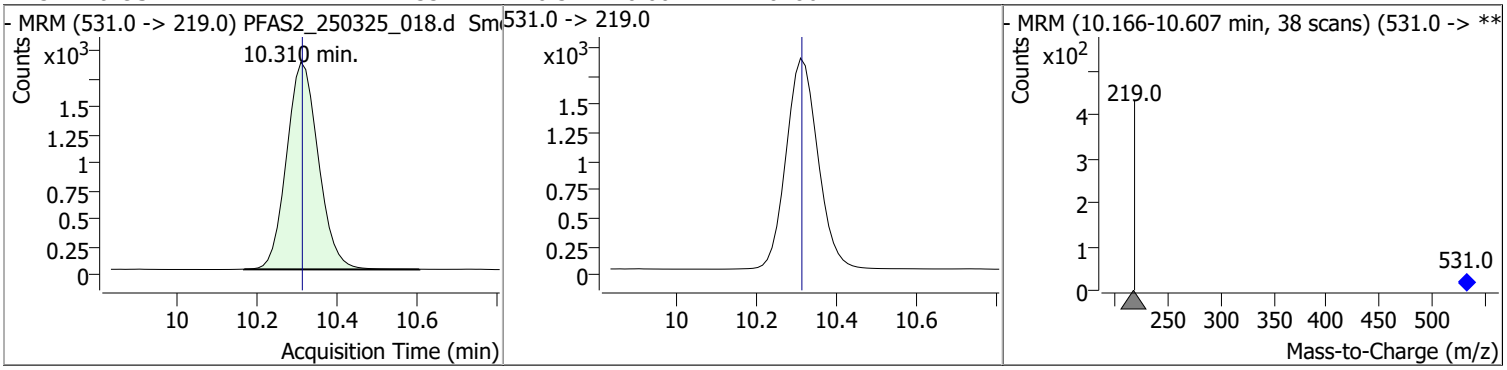
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.0216	10.20	0.00	52411				



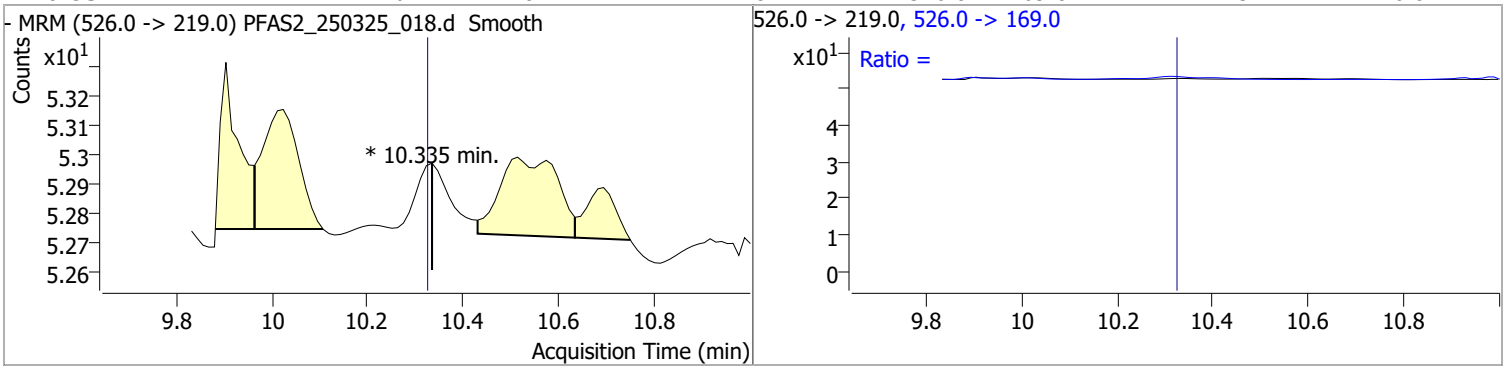
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3322	10.31	0.00	10286				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_018.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 6:47:36 PM
Sample Name	O25C0608-05	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

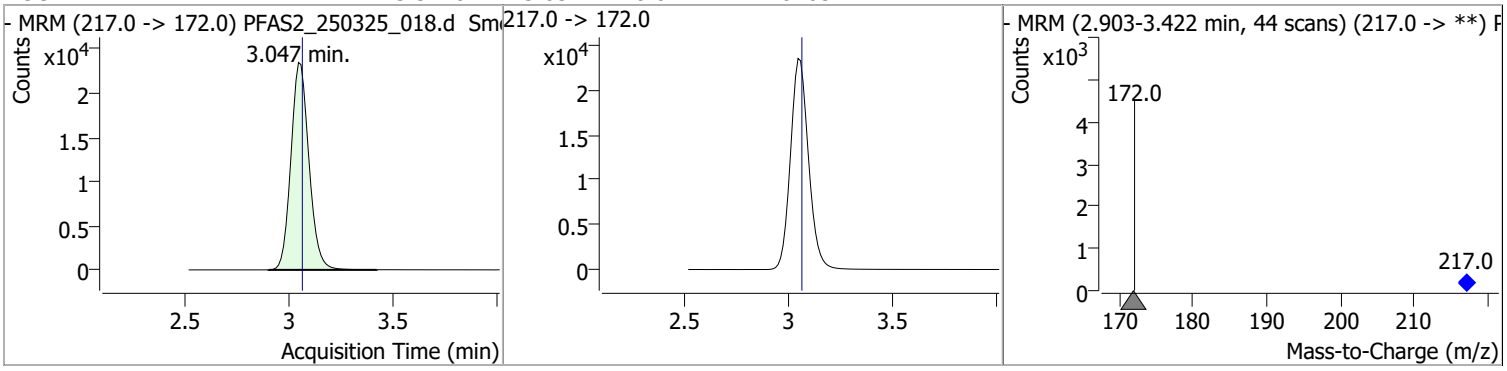
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	112295	5.0000	µg/L		-17.938
13C2-PFHxA	4.890	315.0 -> 270.0	129758	2.5000	µg/L		-15.426
18O2-PFHxS	5.955	403.0 -> 84.0	27559	2.5000	µg/L		-6.991
13C4-PFOA	5.823	417.0 -> 172.0	14223	2.5000	µg/L		-7.929
13C5-PFNA	6.214	468.0 -> 423.0	65767	1.2500	µg/L		-7.594
13C2-PFDA	6.592	515.0 -> 470.0	59697	1.2500	µg/L		-10.736
13C4-PFOS	6.759	503.0 -> 80.0	24438	2.5000	µg/L		-1.892
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	140785	10.0000	µg/L		-54.707
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.17%			
13C5-PFPeA	4.222	268.0 -> 223.0	173024	5.0000	µg/L		-16.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C5-PFPeA	4.222	268.0 -> 223.0	173024	5.0000	µg/L		-16.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25702	5.0000	µg/L	#	1.729
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	134961	2.5000	µg/L		-20.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.49%			
13C5-PFHxA	4.889	318.0 -> 273.0	134961	2.5000	µg/L		-20.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.49%			
13C3-PFBS	4.929	302.0 -> 80.0	50884	2.5000	µg/L		-16.203
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.19%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	148987	10.0000	µg/L		-14.753
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.79%			
13C4-PFHpA	5.385	367.0 -> 322.0	164034	2.5000	µg/L		-13.158
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.71%			
13C3-PFHxS	5.944	402.0 -> 80.0	32016	2.5000	µg/L		-8.392
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.52%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13884	5.0000	µg/L	#	-5.990
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.19%			
13C8-PFOA	5.823	421.0 -> 376.0	152302	2.5000	µg/L		-11.832
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.78%			
13C3-PFHxS	5.944	402.0 -> 80.0	32016	2.5000	µg/L		-8.392
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.52%			
13C9-PFNA	6.213	472.0 -> 427.0	64811	1.2500	µg/L		-8.022
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.49%			
13C8-PFOS	6.759	507.0 -> 80.0	22952	2.5000	µg/L		-9.221
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.57%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9672	5.0000	µg/L	#	-18.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.67%			
13C6-PFDA	6.591	519.0 -> 474.0	63286	1.2500	µg/L		-6.877
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.22%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	50598	5.0000	µg/L		-9.354
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.29%			
13C8-PFOS	6.759	507.0 -> 80.0	22952	2.5000	µg/L		-9.221

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.57%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38461	5.0000	µg/L		-8.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.92%			
13C7-PFUnDA	6.966	570.0 -> 525.0	52440	1.2500	µg/L		-2.169
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 109.58%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	36980	1.2500	µg/L		-16.175
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.75%			
13C2-PFDoDA	7.344	615.0 -> 570.0	40961	1.2500	µg/L		2.543
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 114.89%			
13C2-PFTDA	8.068	715.0 -> 670.0	32998	1.2500	µg/L		-31.660
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.33%			
13C8-PFOSA	8.792	506.0 -> 78.0	33923	2.5000	µg/L		-8.219
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
13C8-PFOSA	8.792	506.0 -> 78.0	33923	2.5000	µg/L		-8.219
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.36%			
2H7-MeFOSE	9.865	623.1 -> 59.0	61632	25.0000	µg/L		-50.947
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 50.04%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10192	2.5000	µg/L		-1.706
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.95%			
2H9-EtFOSE	10.197	639.1 -> 59.0	52411	25.0000	µg/L		-17.475
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 84.09%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10286	2.5000	µg/L		-8.489
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.29%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	201	0.0974	µg/L		100
PFMPA	3.602	229.0 -> 85.0	10	0.0556	µg/L		100
3-3 FTCA	0.000		0	N.D.			
PFPeA	4.223	263.0 -> 219.0	1113	0.0594	µg/L		100
PFMBA	4.453	279.0 -> 85.0	8	0.0340	µg/L		100
4-2 FTSA	4.721	327.0 -> 307.0	41	0.0026	µg/L		41
NFDHA	4.823	295.0 -> 201.0	18	0.0183	µg/L		48
PFHxA	4.880	313.0 -> 269.0	144	0.0030	µg/L		89
PFBS	5.037	298.9 -> 80.0	10	0.0005	µg/L	#	1
HFPO-DA	5.075	285.0 -> 169.0	29	0.0022	µg/L	#	30
PFEESA	0.000		0	N.D.			
PFHpA	5.398	363.0 -> 319.0	388	0.0274	µg/L	#	71
5-3 FTCA	5.482	341.0 -> 237.0	36	0.1865	µg/L		83
PFPeS	5.422	348.9 -> 80.0	9	0.0005	µg/L		30
DONA	5.527	377.0 -> 251.0	30	0.0678	µg/L		46
6-2 FTSA	5.642	427.0 -> 407.0	102	0.1204	µg/L	#	61
PFOA	5.810	413.0 -> 369.0	383	0.0427	µg/L	#	80
PFHxS	5.945	398.9 -> 80.0	159	0.0128	µg/L		81
PFNA	6.796	463.0 -> 419.0	927	0.0251	µg/L		91
PFHpS	6.418	448.9 -> 80.0	7	0.0008	µg/L	#	1
8-2 FTSA	6.400	527.0 -> 507.0	6	0.0738	µg/L		47
PFDA	6.473	513.0 -> 469.0	99	0.0000	µg/L		68
7-3 FTCA	6.560	441.0 -> 317.0	33	0.2561	µg/L	#	17
N-MeFOSAA	6.659	570.0 -> 419.0	54	0.0142	µg/L		33
PFOS	6.748	498.9 -> 80.0	344	0.0683	µg/L		98
N-EtFOSAA	6.929	584.0 -> 419.0	32	0.0155	µg/L	#	1
PFUnDA	6.849	563.0 -> 519.0	29	0.0140	µg/L		63
9Cl-PF3ONS	6.910	530.9 -> 350.9	15	0.0653	µg/L		44
PFNS	7.159	548.9 -> 80.0	6	0.0008	µg/L		80
PFDoDA	7.260	613.0 -> 569.0	100	0.0033	µg/L		65

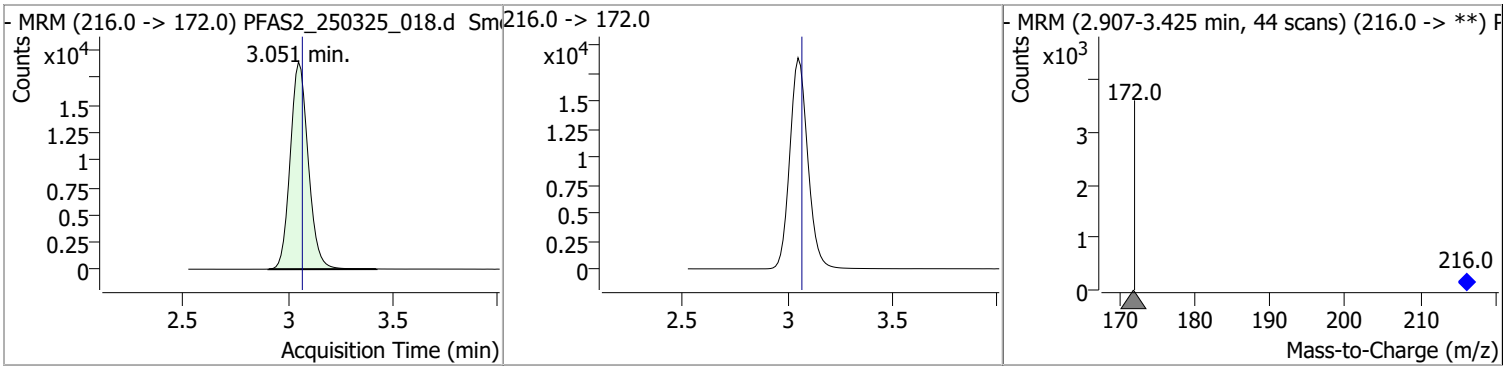
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.874	598.9 -> 80.0	27	0.0046	µg/L	#	27
PFTrDA	7.664	663.0 -> 619.0	54	0.0019	µg/L		72
11Cl-PF3OUdS	7.811	630.9 -> 450.9	20	0.0010	µg/L	#	60
PFTDA	8.045	712.9 -> 669.0	21	0.0068	µg/L	#	11
PFDoS	8.084	698.9 -> 80.0	1	0.0002	µg/L	#	1
PFOSA	8.795	497.9 -> 78.0	46	0.0039	µg/L	#	77
MeFOSE	9.878	616.0 -> 59.0	23	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	2	0.0006	µg/L		1
EtFOSE	10.222	630.0 -> 59.0	43	0.0323	µg/L		100
N-EtFOSA	10.335	526.0 -> 219.0	1	0.0003	µg/L	#	1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

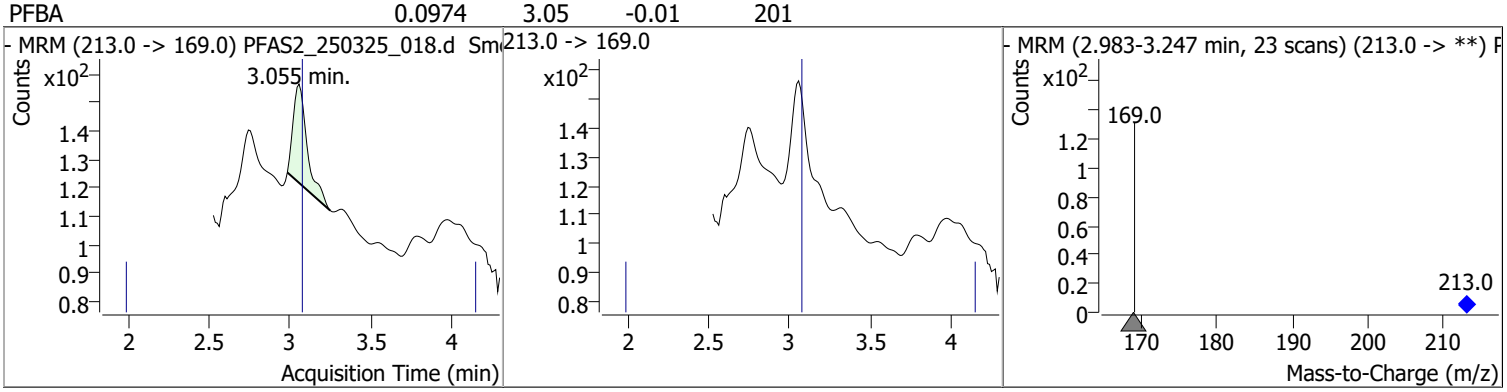
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5170	3.05	-0.01	140785				



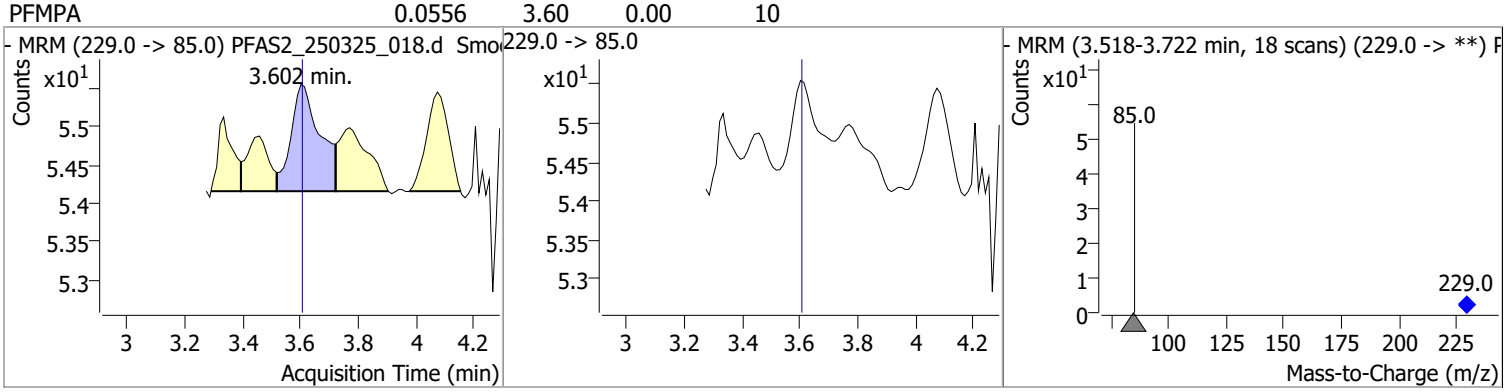
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	112295				



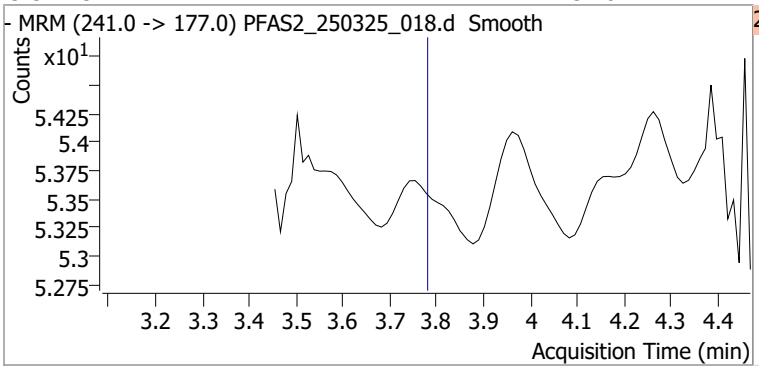
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0974	3.05	-0.01	201				

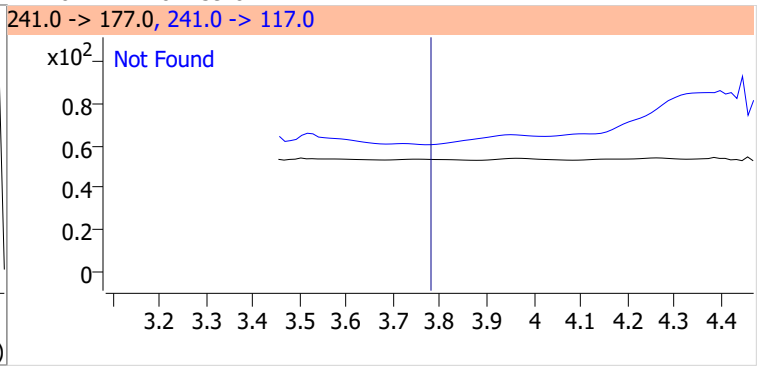


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0556	3.60	0.00	10				

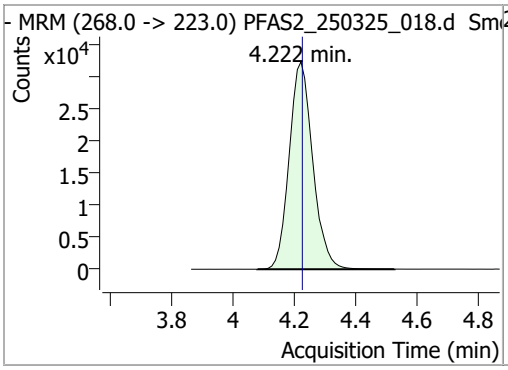


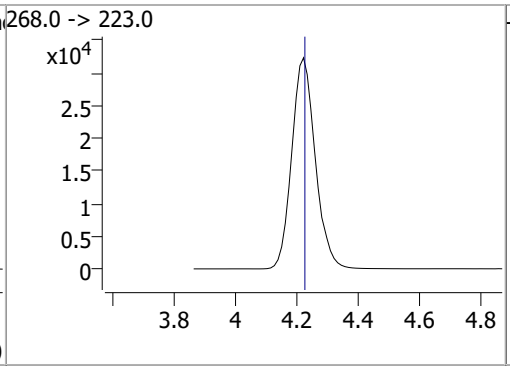
Compound	Conc.	Exp RT	QIon	Exp Ratio
3-3 FTCA	N.D.	3.78	241.0 -> 117.0	59.0

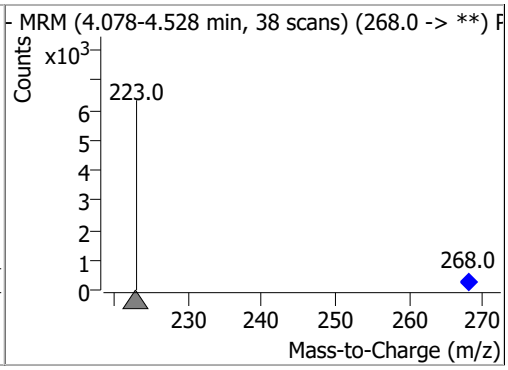




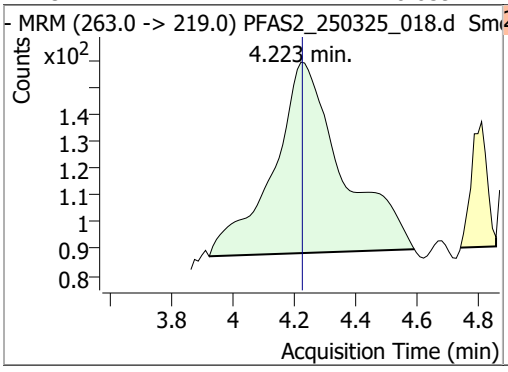
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9438	4.22	0.00	173024				

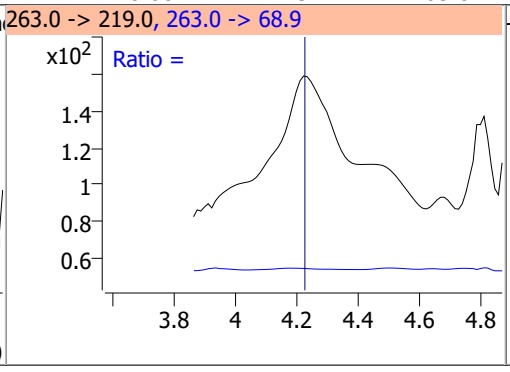


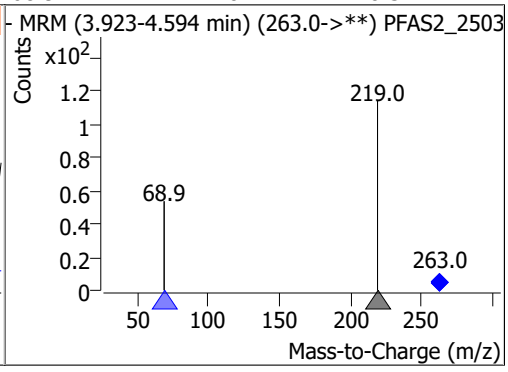




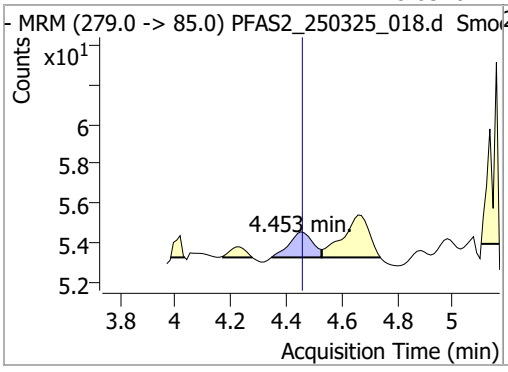
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0594	4.22	0.00	1113	263.0 -> 68.9		0.1	0.3

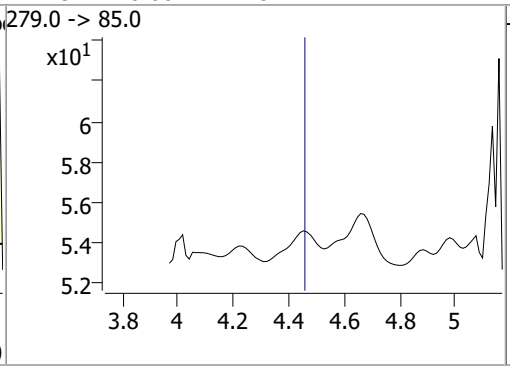


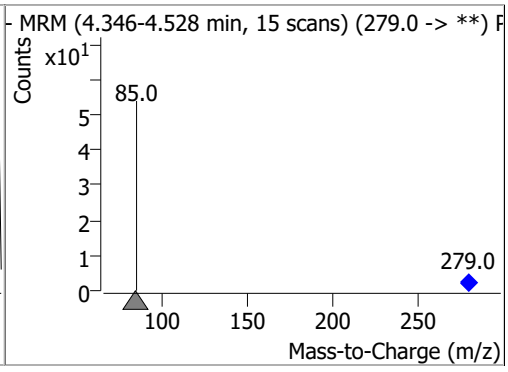




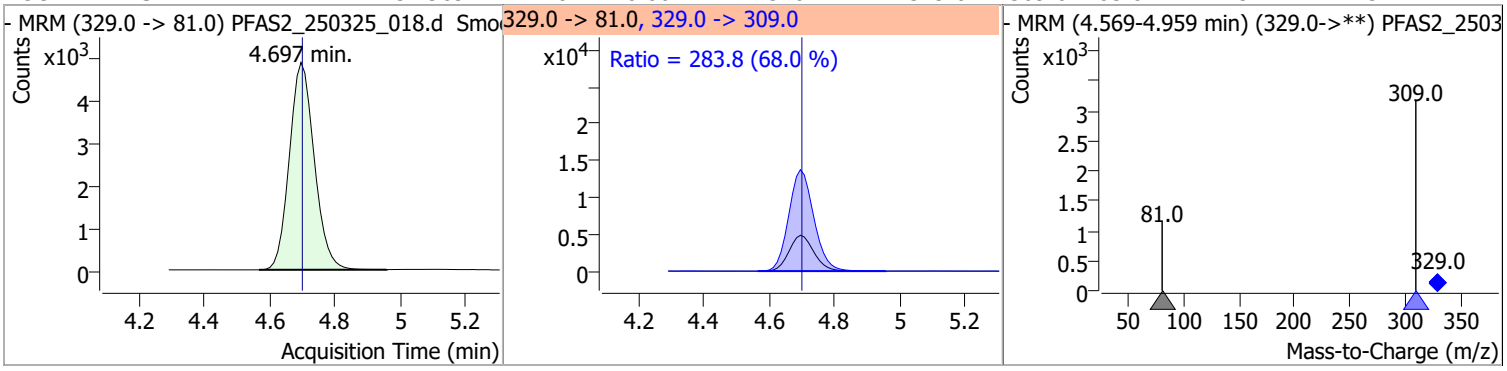
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0340	4.45	0.00	8				



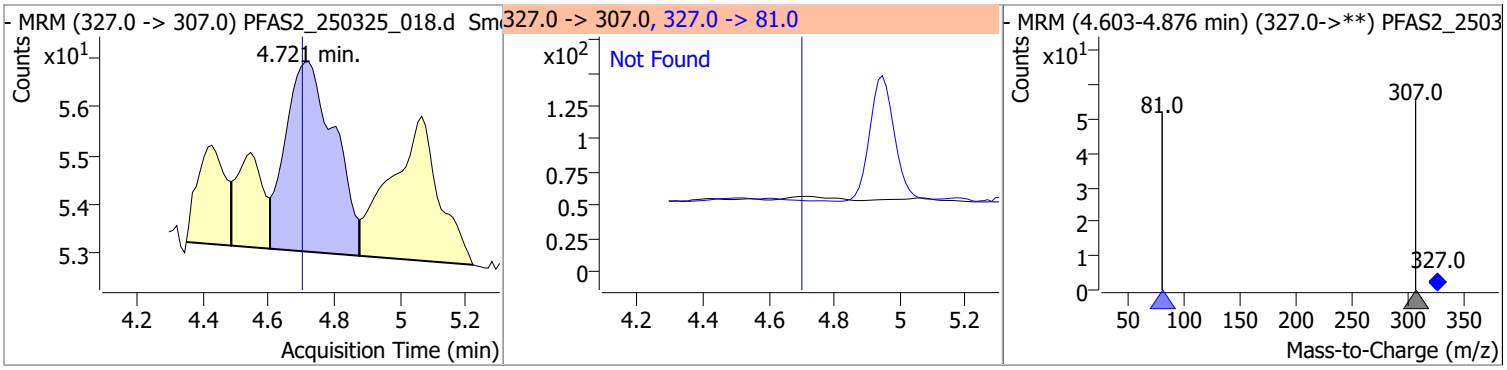




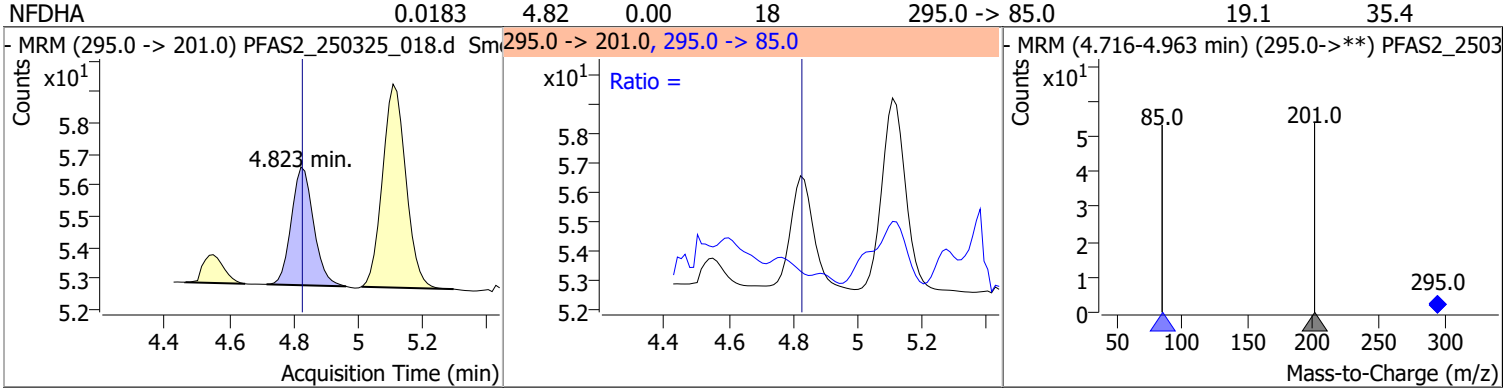
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.4909	4.70	0.00	25702	329.0 -> 309.0	283.8	292.1	542.4



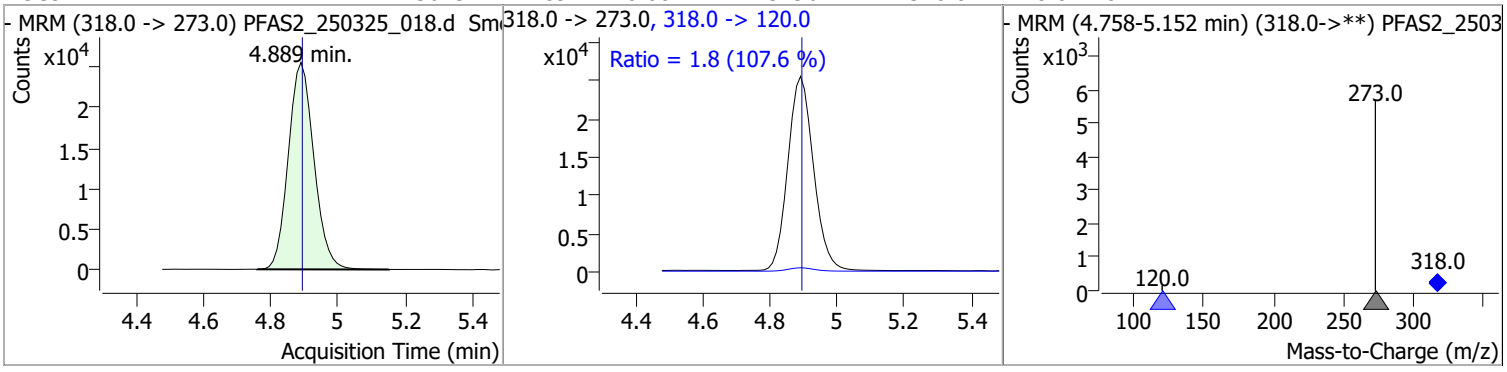
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0026	4.72	0.02	41	327.0 -> 81.0		23.6	43.9



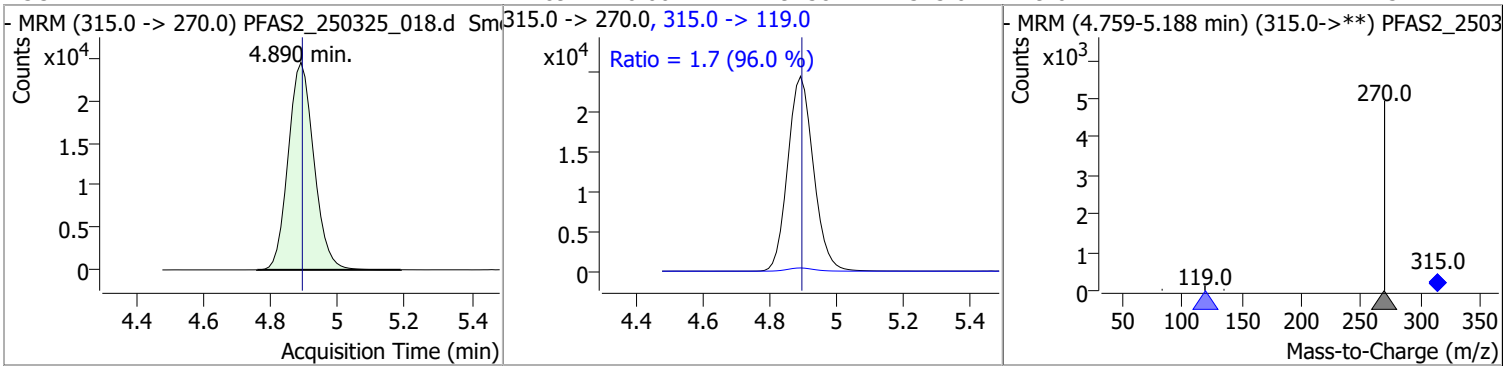
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0183	4.82	0.00	18	295.0 -> 85.0		19.1	35.4



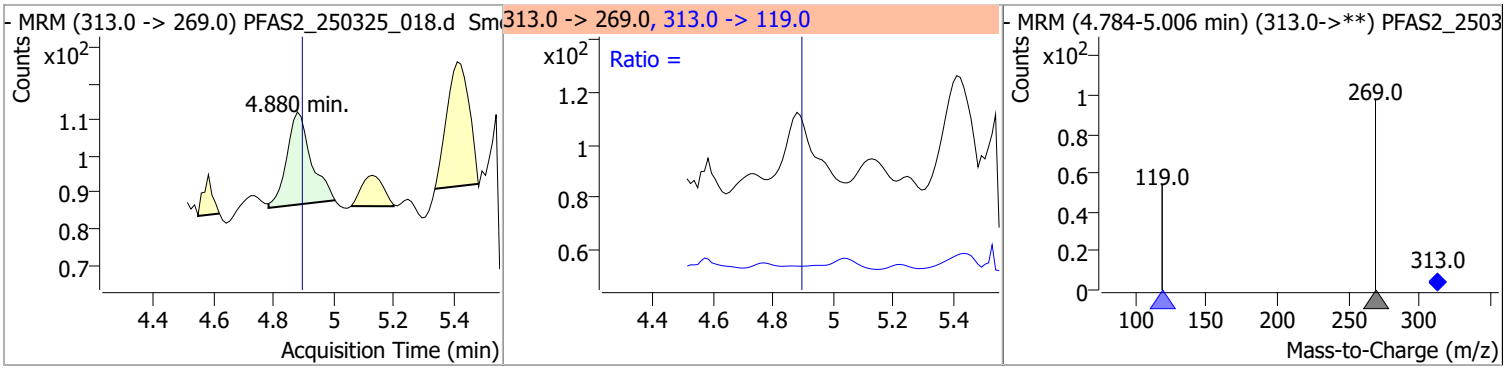
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3623	4.89	0.00	134961	318.0 -> 120.0	1.8	1.1	2.1



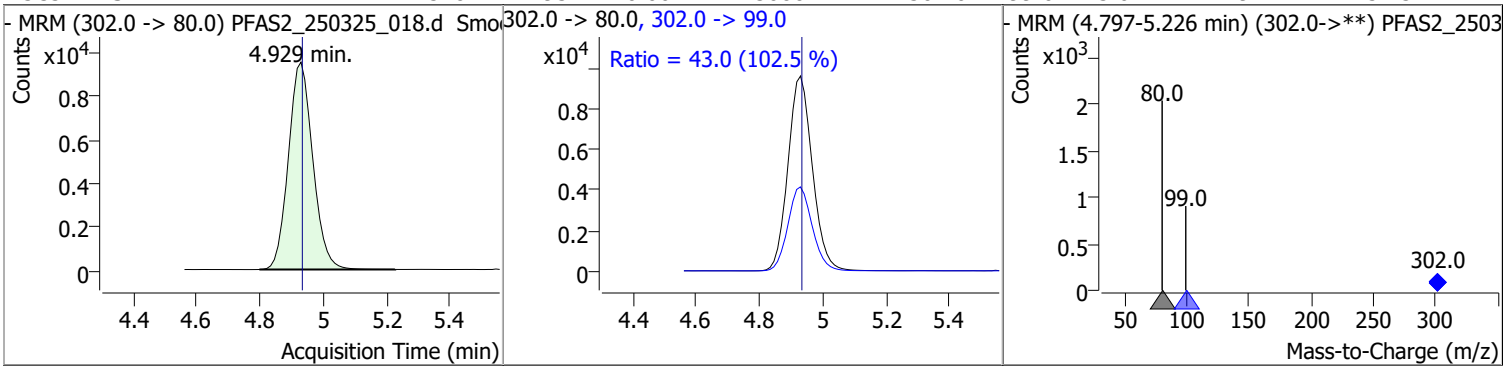
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	129758	315.0 -> 119.0	1.7	1.2	2.3



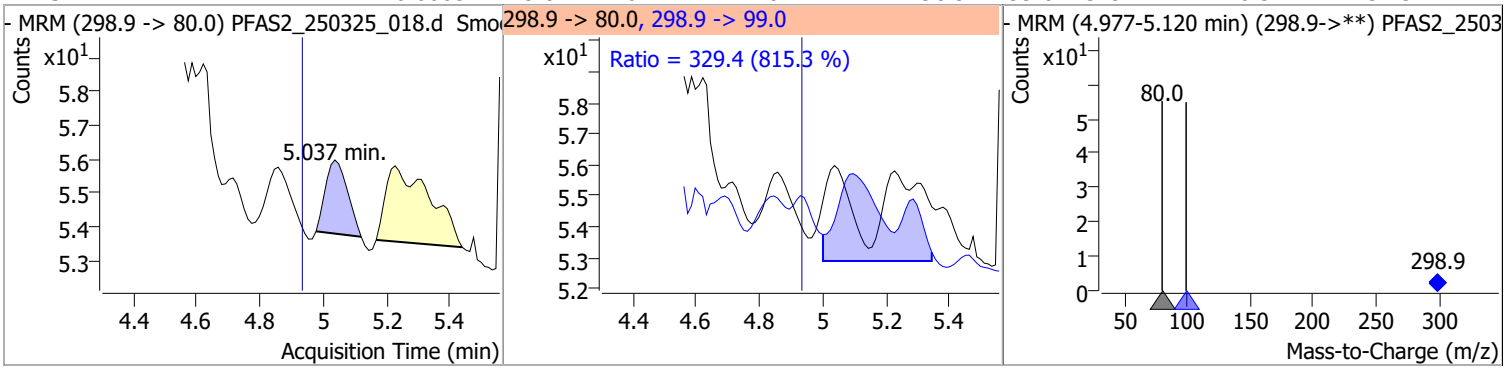
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0030	4.88	-0.01	144	313.0 -> 119.0		2.4	4.5



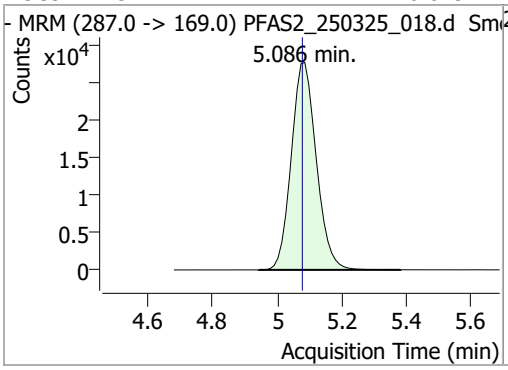
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2548	4.93	0.00	50884	302.0 -> 99.0	43.0	29.4	54.5

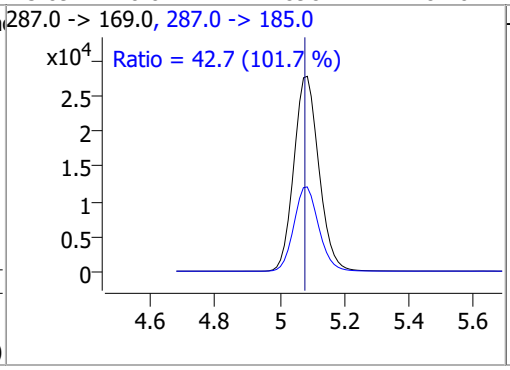


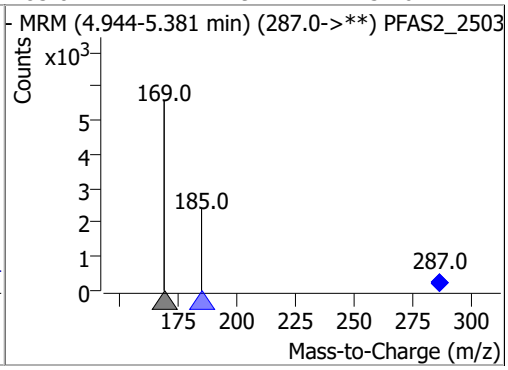
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0005	5.04	0.11	10	298.9 -> 99.0	329.4	28.3	52.5



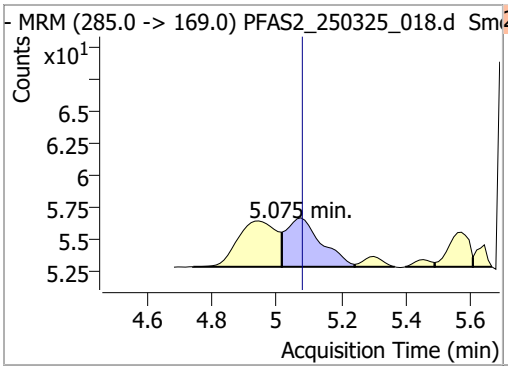
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0791	5.09	0.01	148987	287.0 -> 185.0	42.7	29.4	54.6

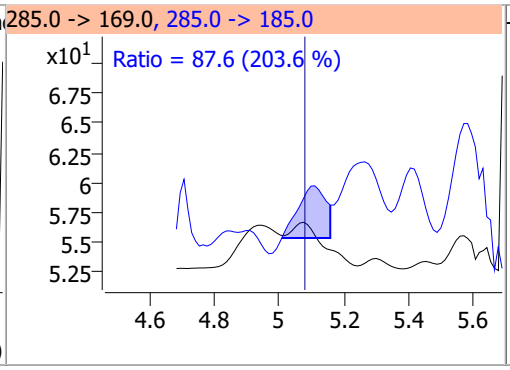


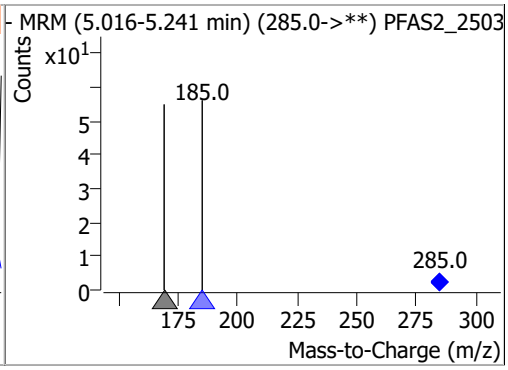




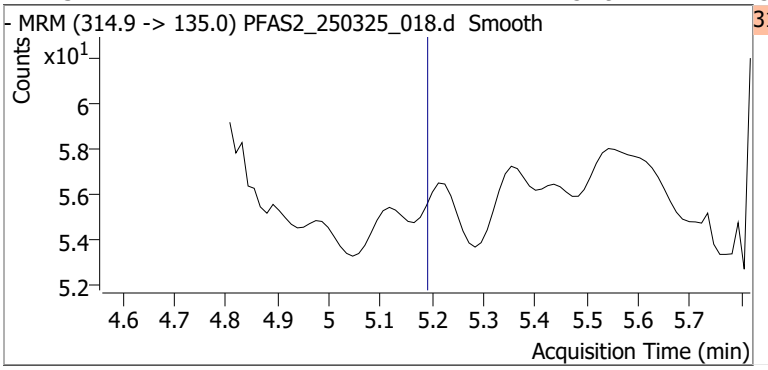
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0022	5.07	0.00	29	285.0 -> 185.0	87.6	30.1	56.0

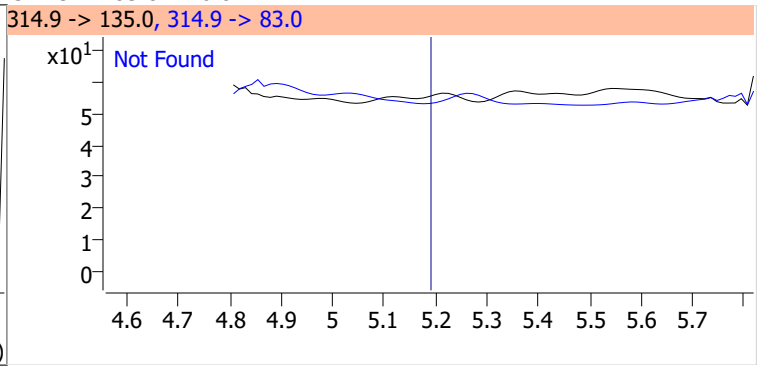




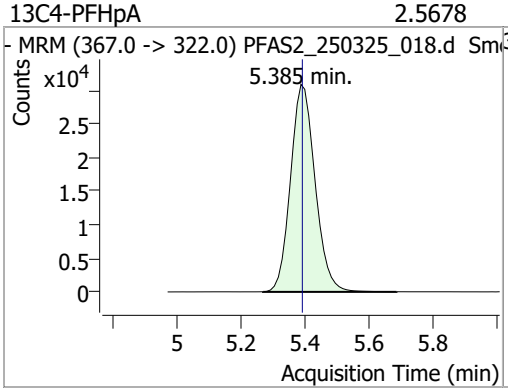


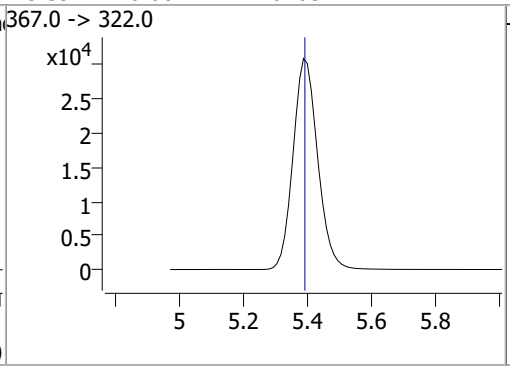
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFEESA	N.D.	5.19	314.9 -> 83.0	6.8

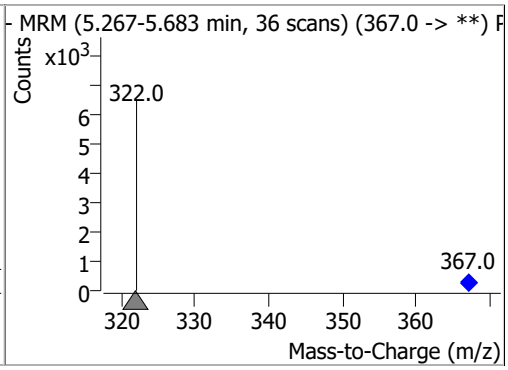




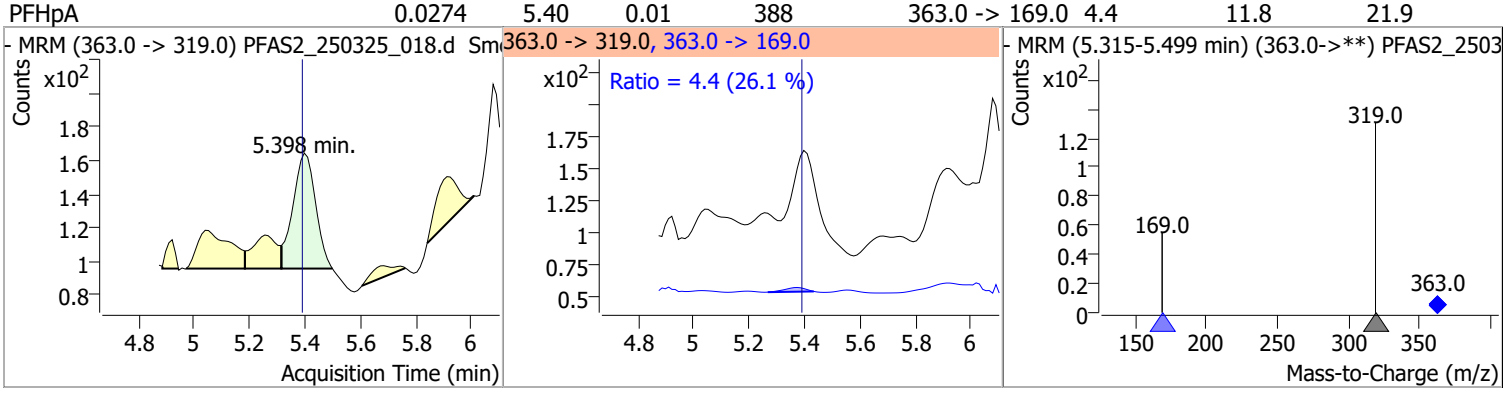
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5678	5.39	0.00	164034				



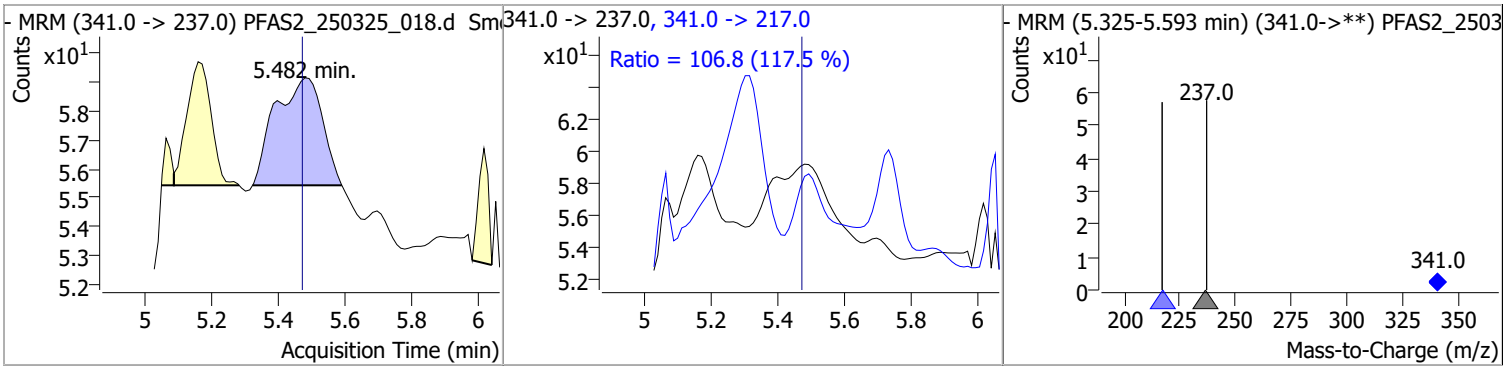




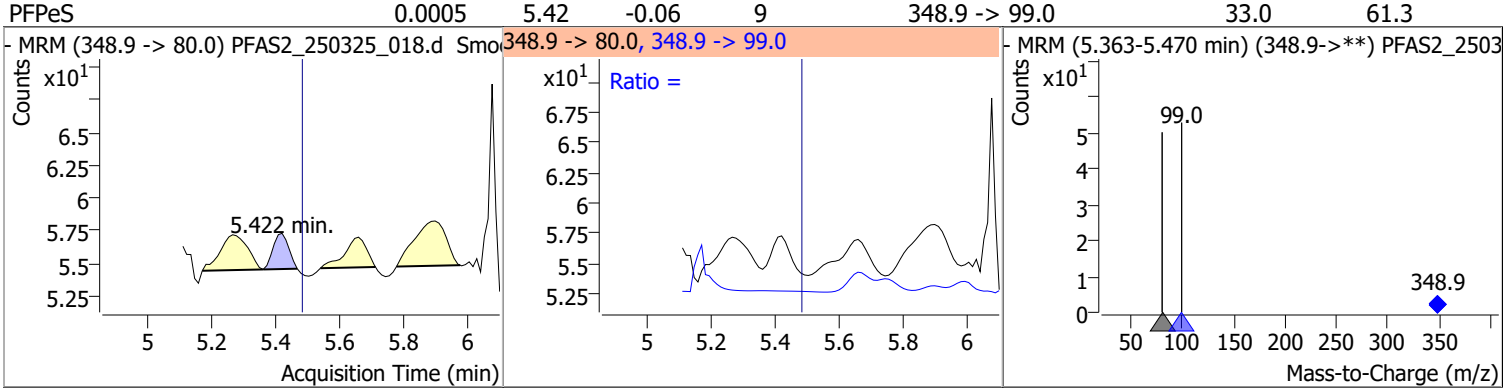
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0274	5.40	0.01	388	363.0 -> 169.0	4.4	11.8	21.9



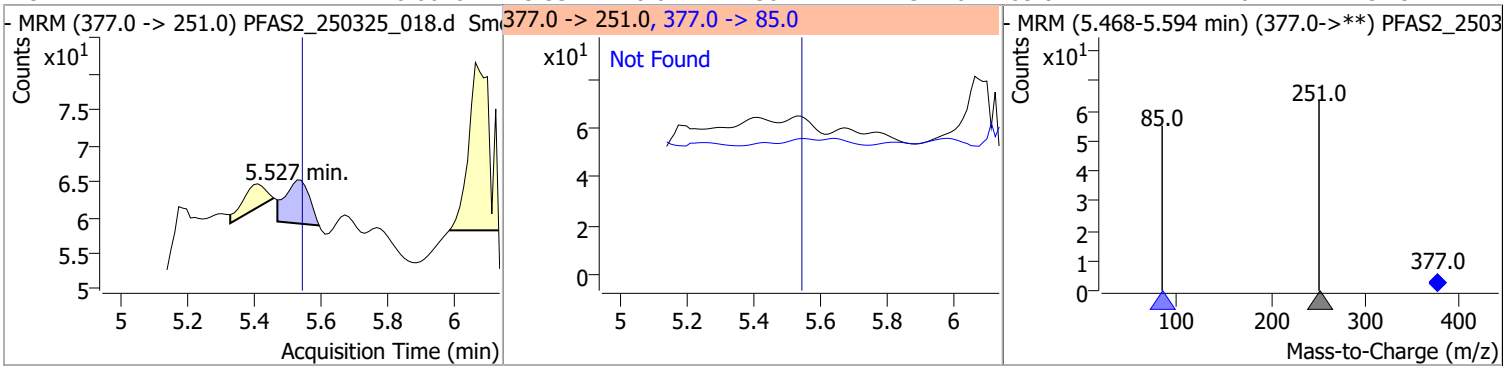
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1865	5.48	0.01	36	341.0 -> 217.0	106.8	63.6	118.1



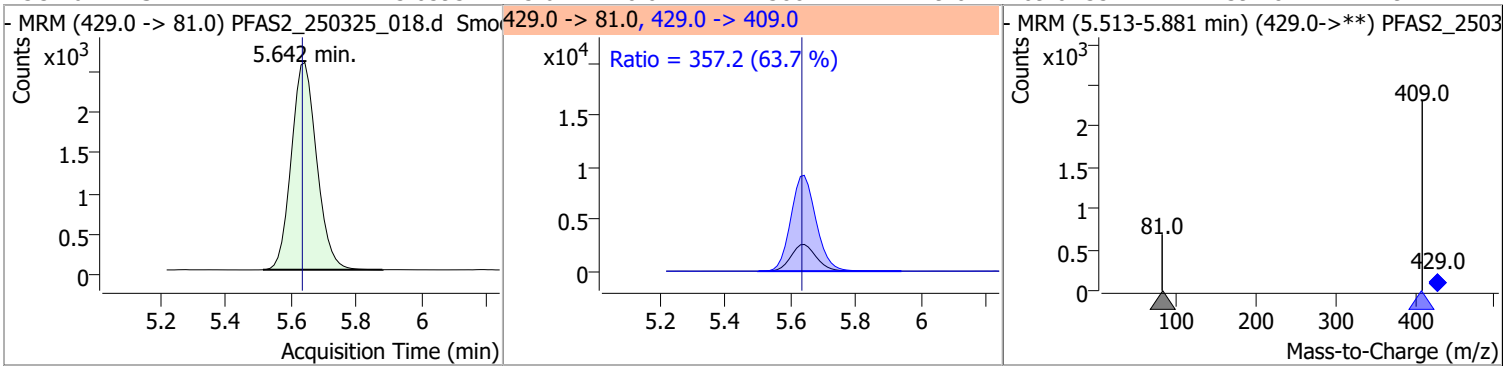
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0005	5.42	-0.06	9	348.9 -> 99.0		33.0	61.3



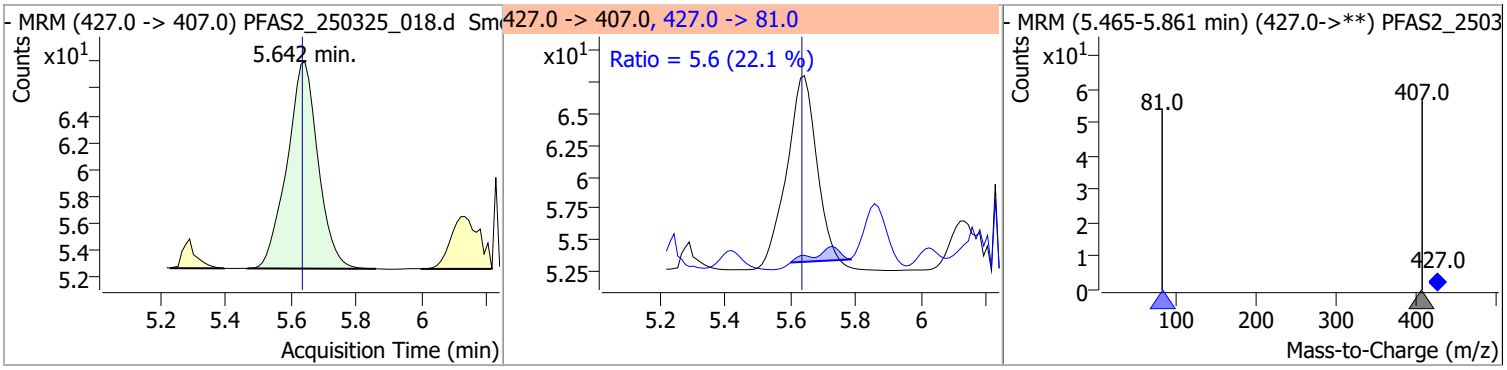
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0678	5.53	-0.01	30	377.0 -> 85.0		20.4	37.9



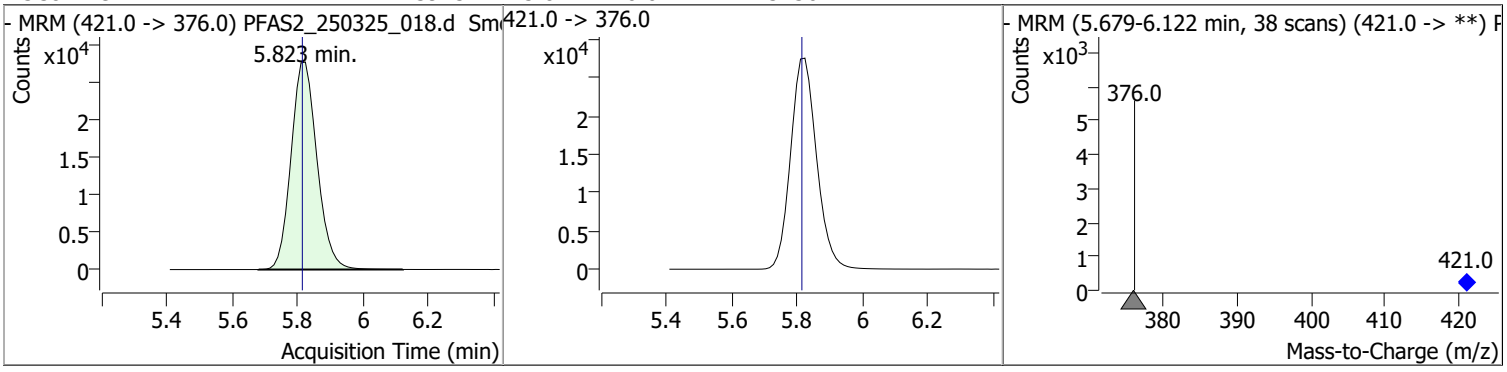
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.0593	5.64	0.01	13884	429.0 -> 409.0	357.2	392.8	729.4



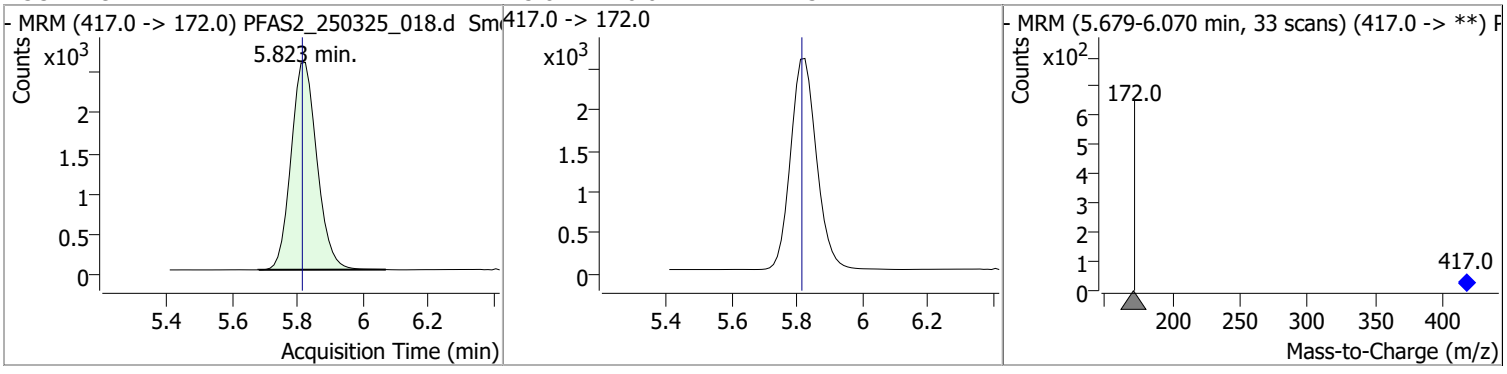
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1204	5.64	0.01	102	427.0 -> 81.0	5.6	17.7	32.8



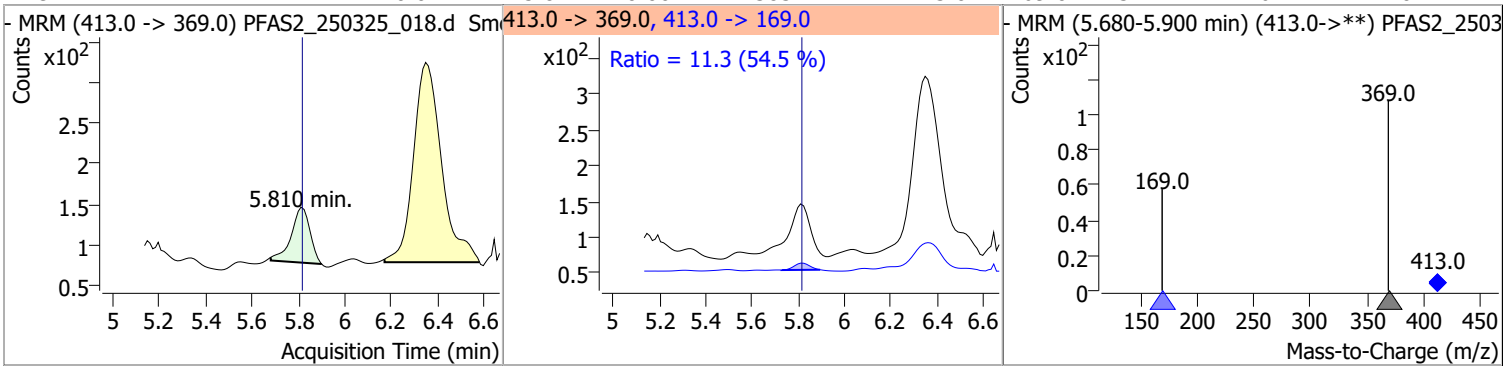
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3945	5.82	0.01	152302				



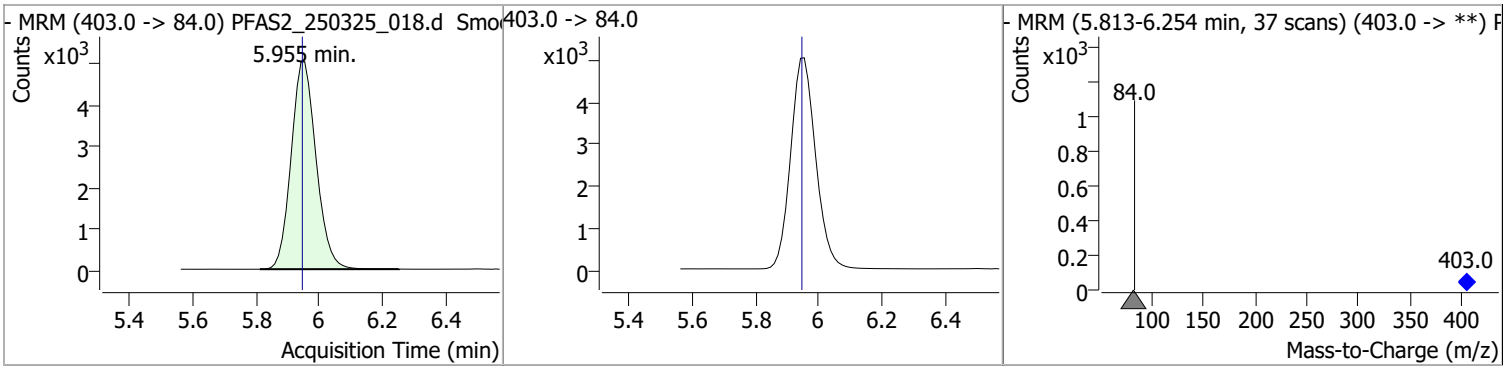
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	14223				



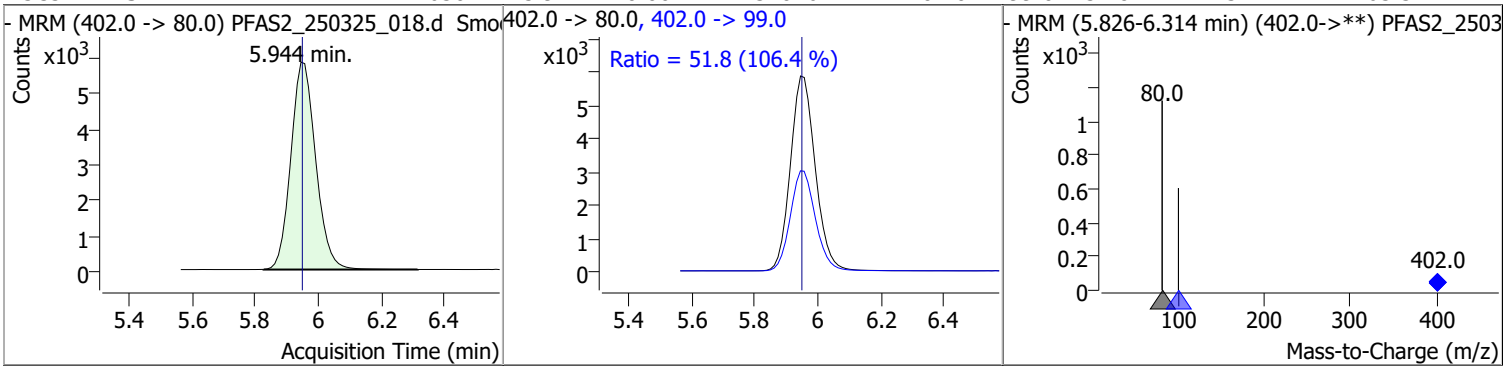
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0427	5.81	0.00	383	413.0 -> 169.0	11.3	14.6	27.0



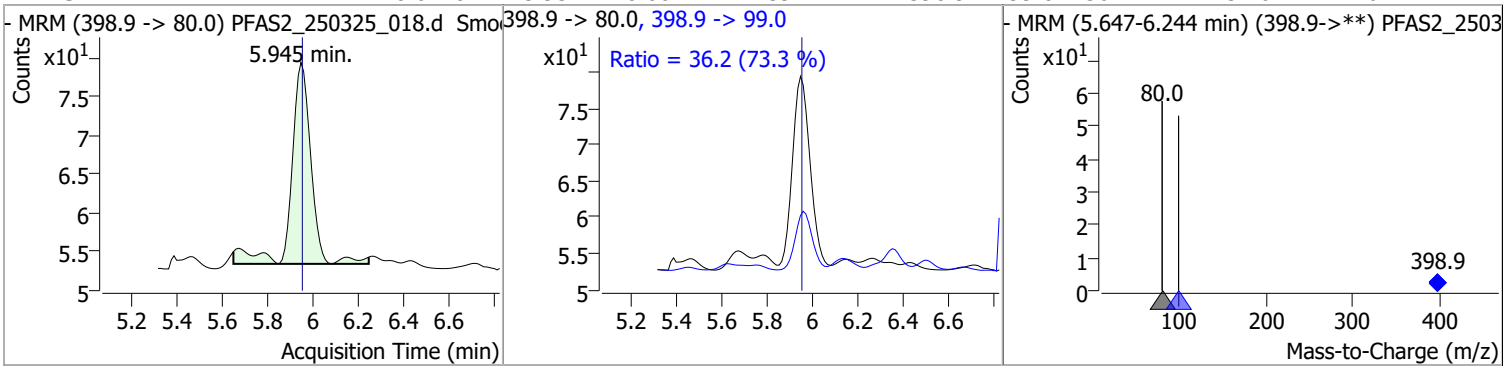
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	27559				



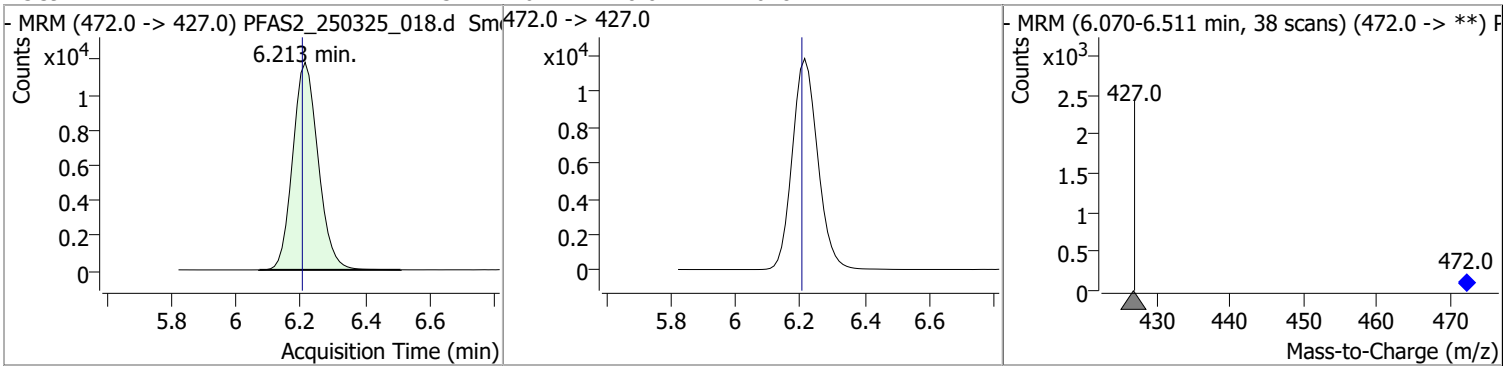
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4630	5.94	0.00	32016	402.0 -> 99.0	51.8	34.1	63.3



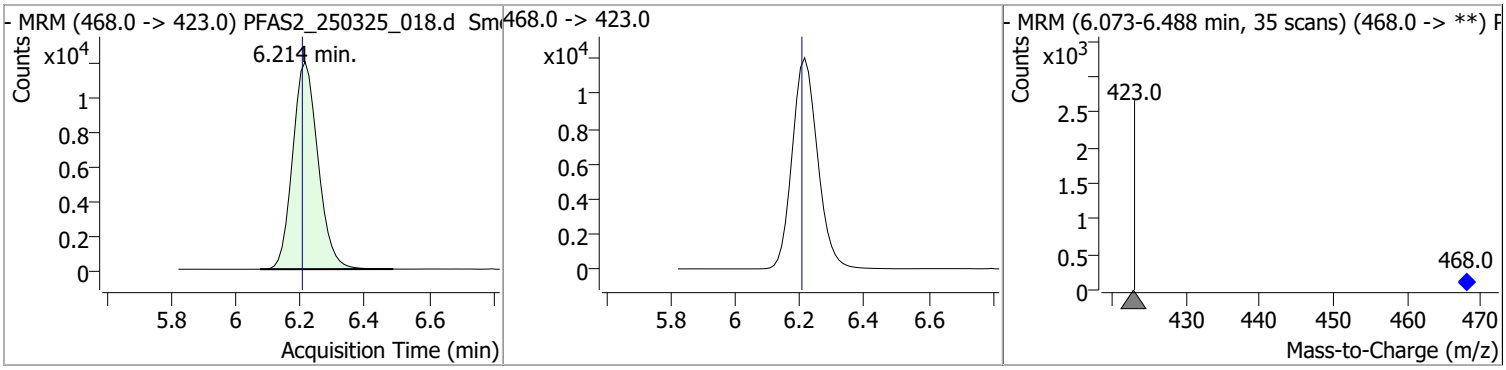
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.95	0.00	159	398.9 -> 99.0	36.2	34.6	64.2



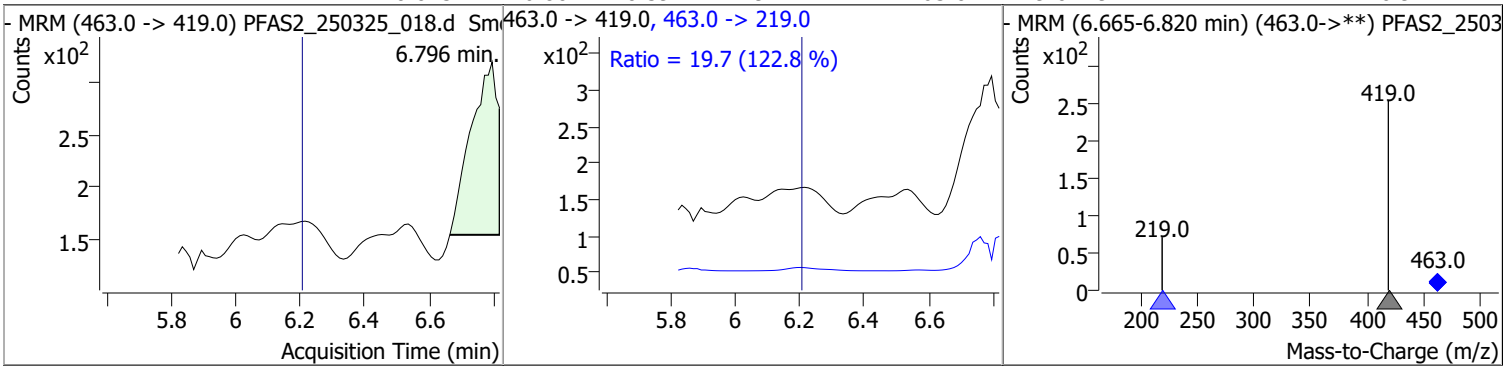
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2437	6.21	0.01	64811				



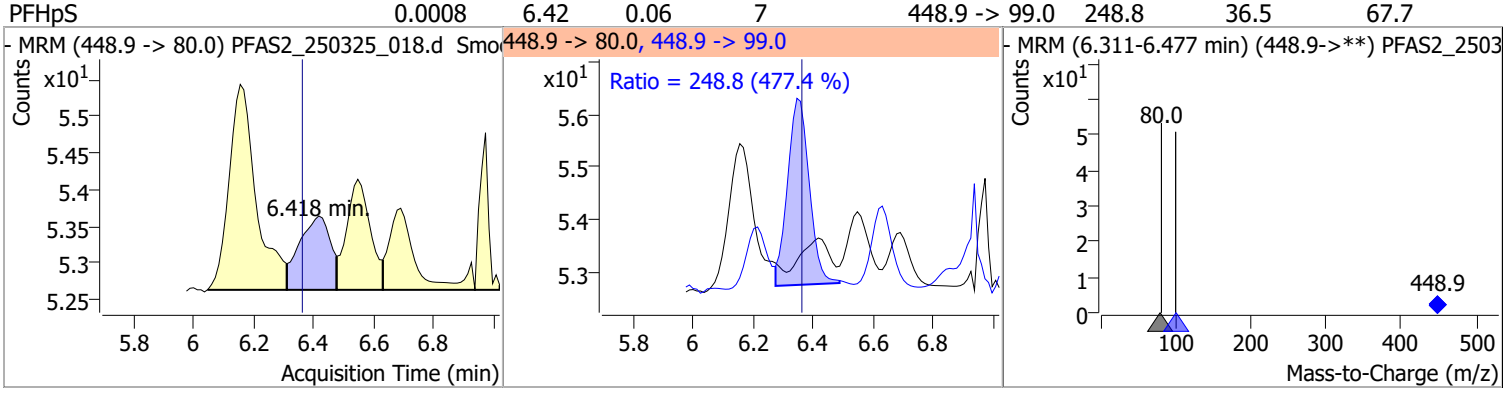
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	65767				



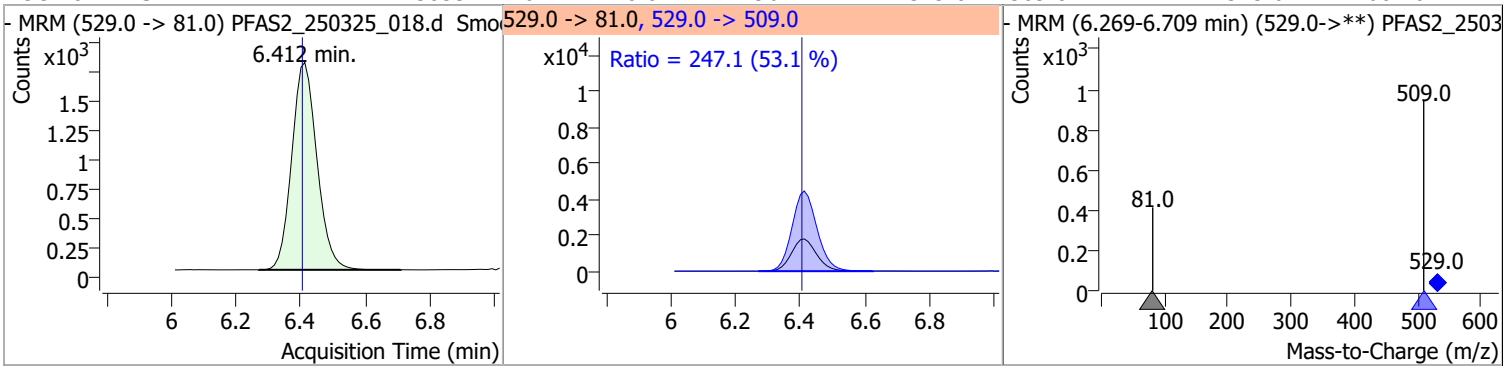
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0251	6.80	0.59	927	463.0 -> 219.0	19.7	11.2	20.9



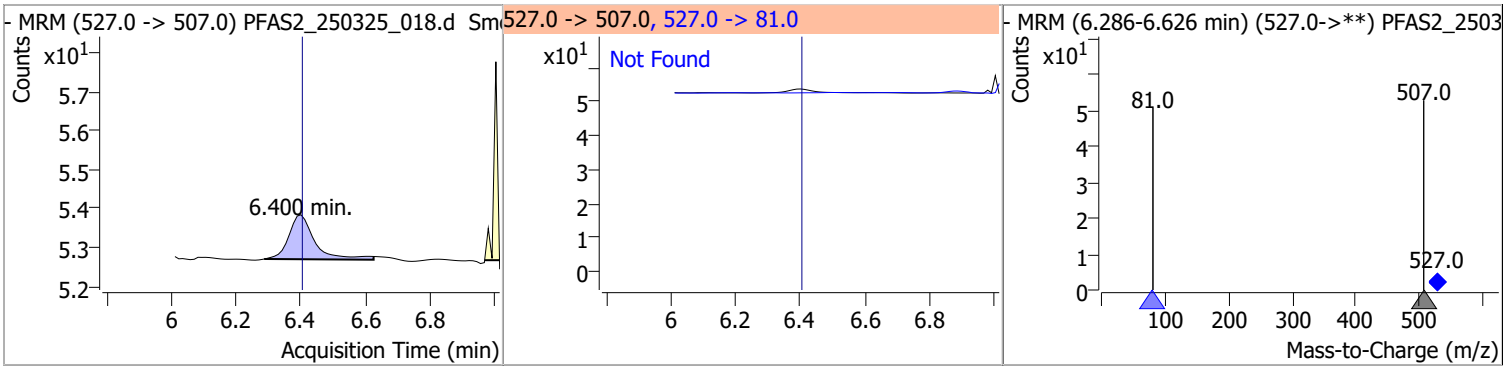
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0008	6.42	0.06	7	448.9 -> 99.0	248.8	36.5	67.7



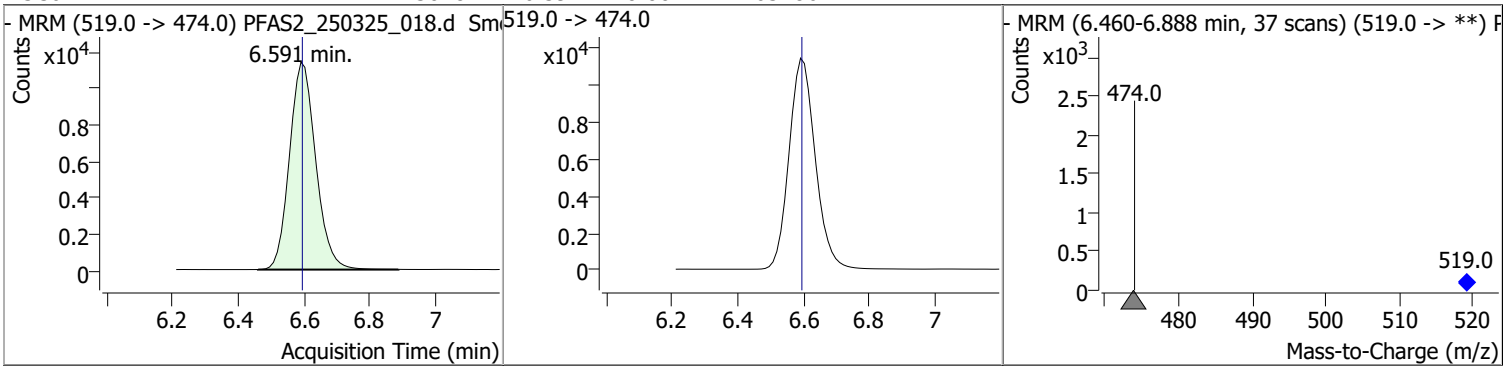
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.3835	6.41	0.01	9672	529.0 -> 509.0	247.1	325.6	604.6



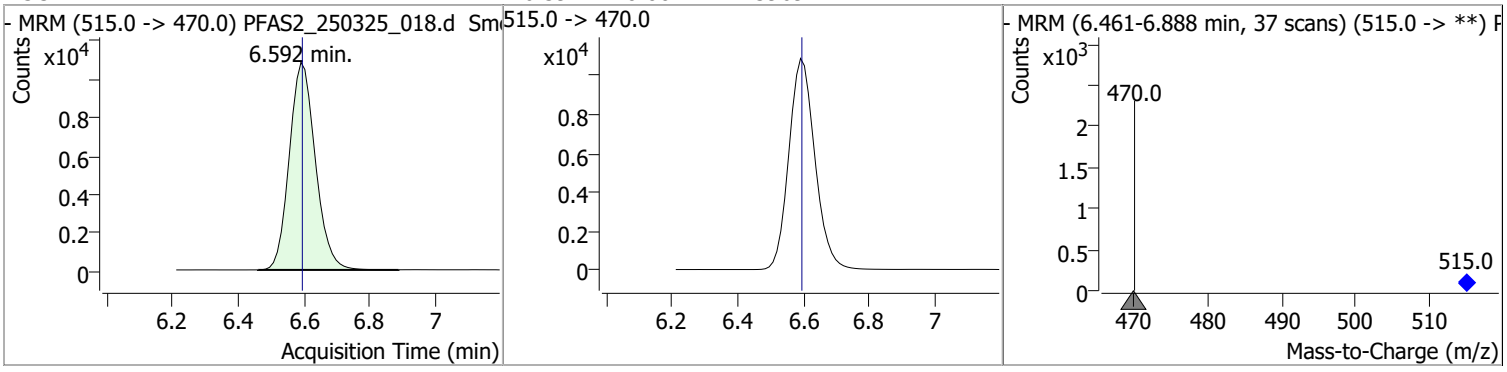
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0738	6.40	0.00	6	527.0 -> 81.0		19.7	36.6



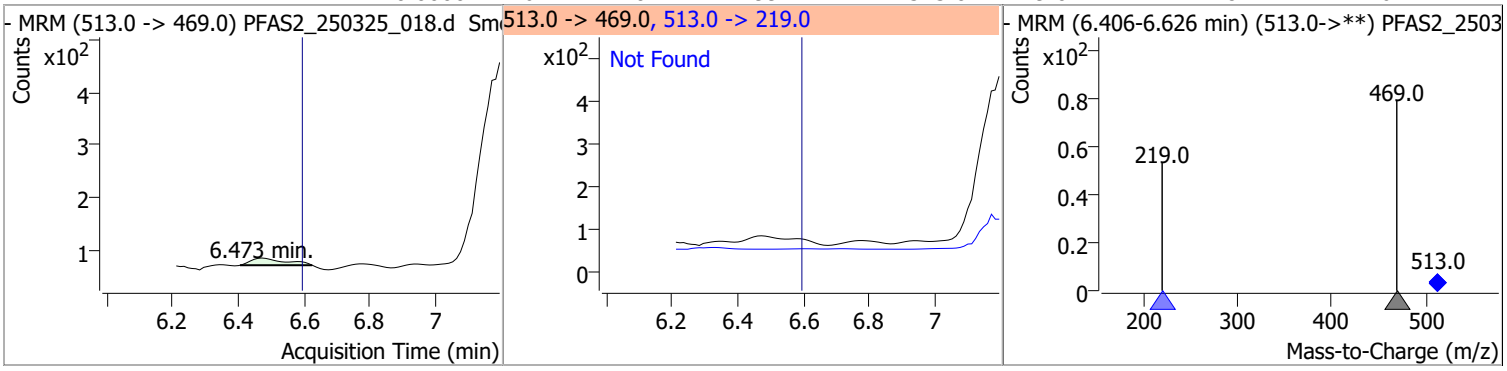
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3028	6.59	0.00	63286				



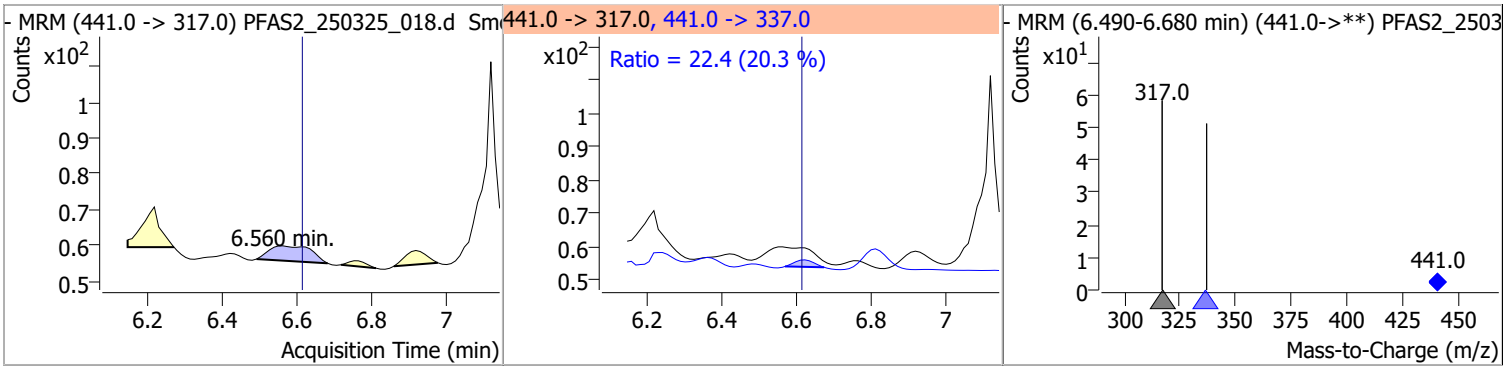
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59697				



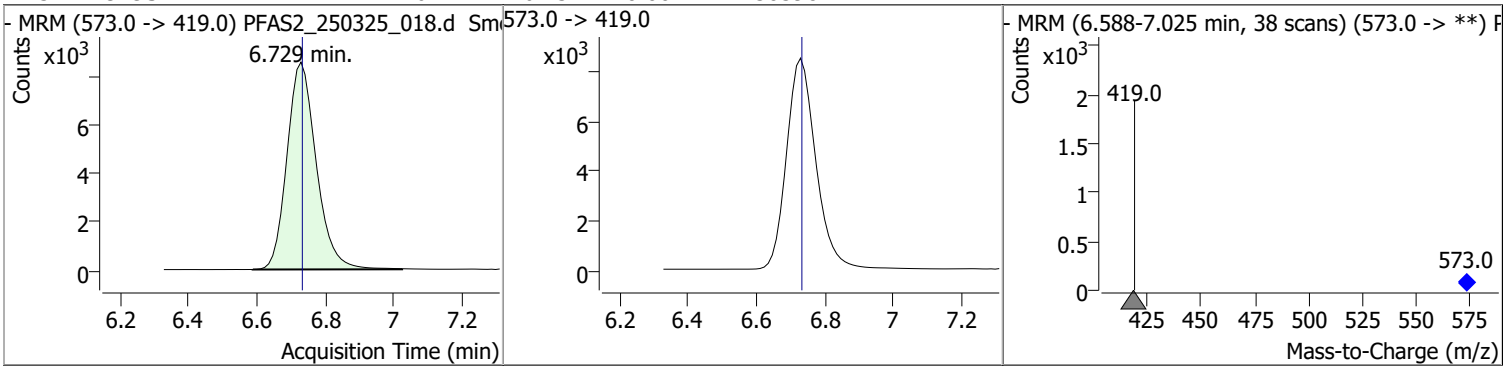
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.47	-0.12	99	513.0 -> 219.0		8.7	16.2



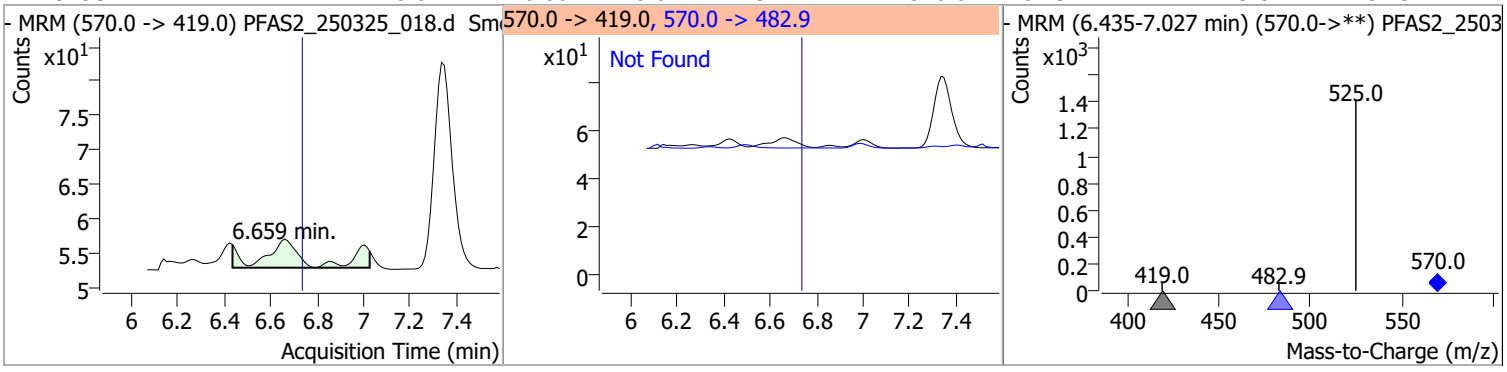
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2561	6.56	-0.05	33	441.0 -> 337.0	22.4	77.1	143.3



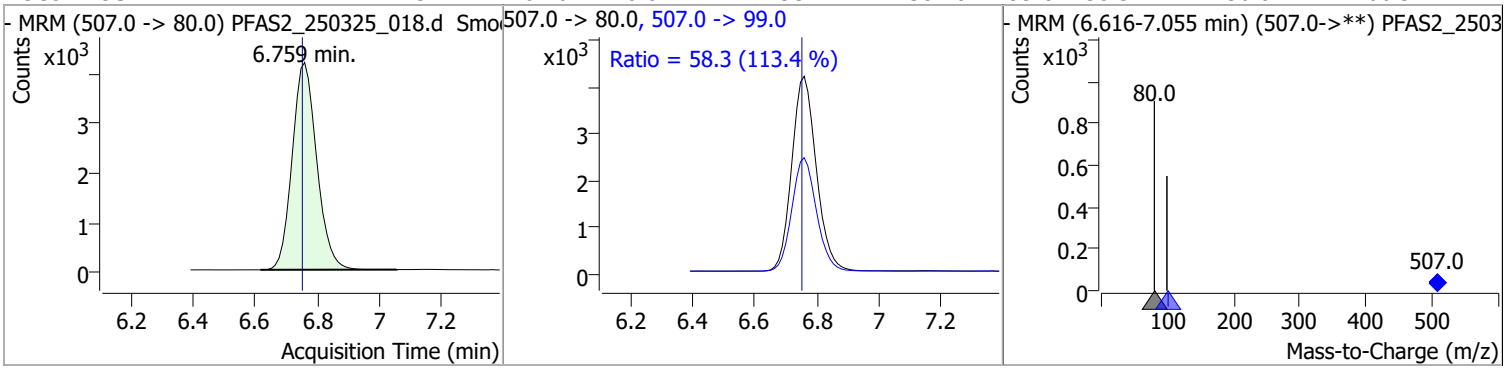
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6144	6.73	0.00	50598				



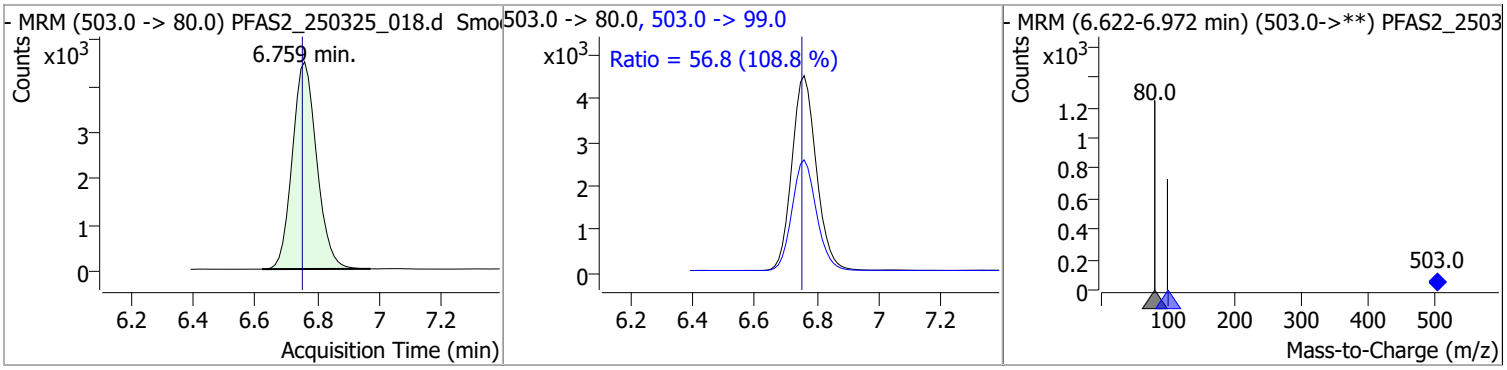
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0142	6.66	-0.07	54	570.0 -> 482.9		29.5	54.9



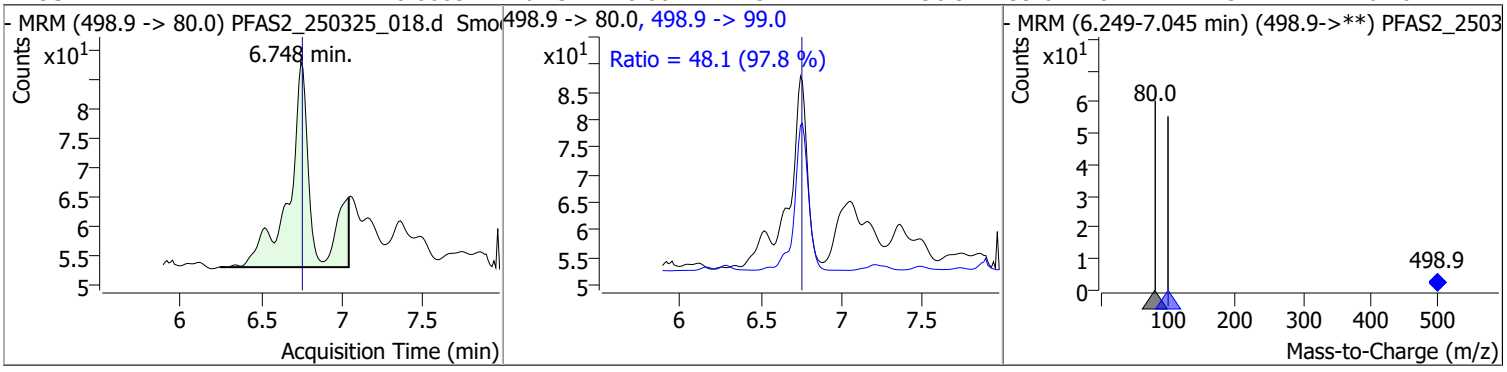
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3141	6.76	0.01	22952	507.0 -> 99.0	58.3	36.0	66.9



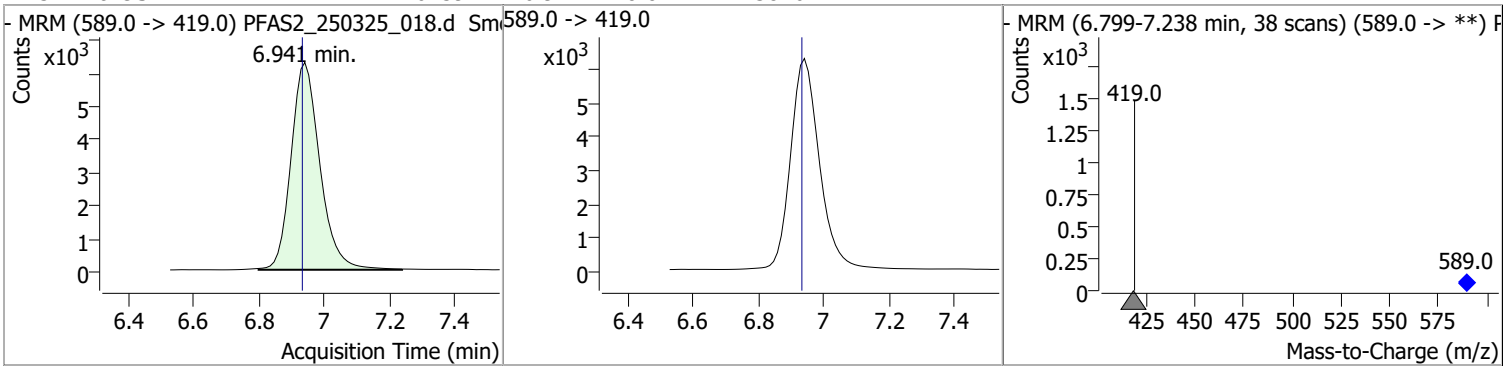
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	24438	503.0 -> 99.0	56.8	36.6	67.9



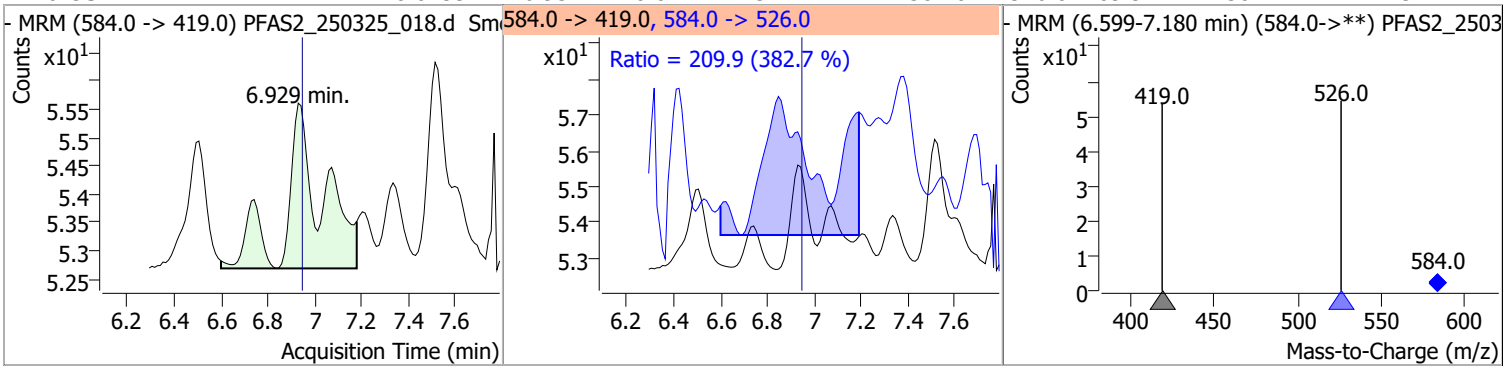
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0683	6.75	0.00	344	498.9 -> 99.0	48.1	34.4	64.0



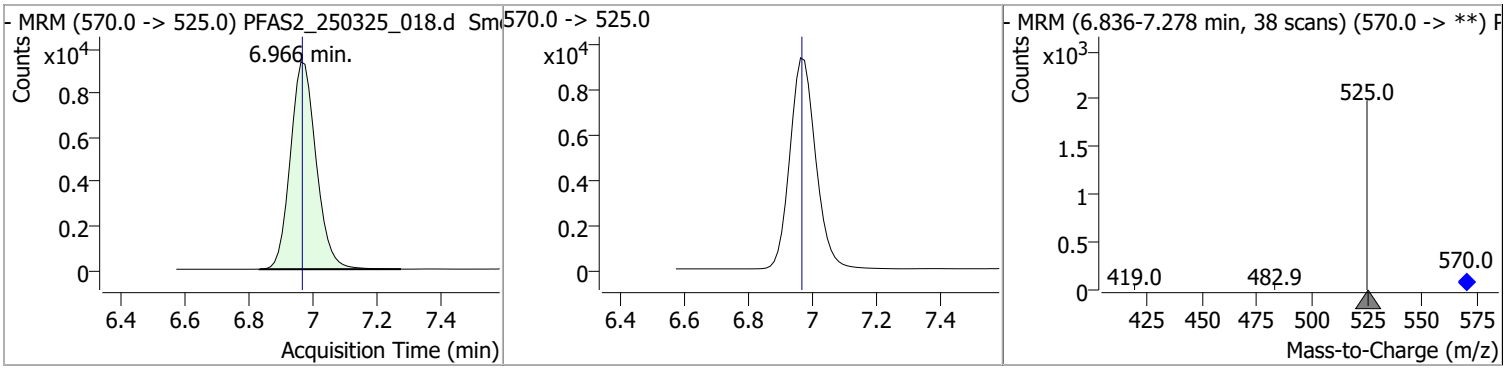
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6459	6.94	0.01	38461				



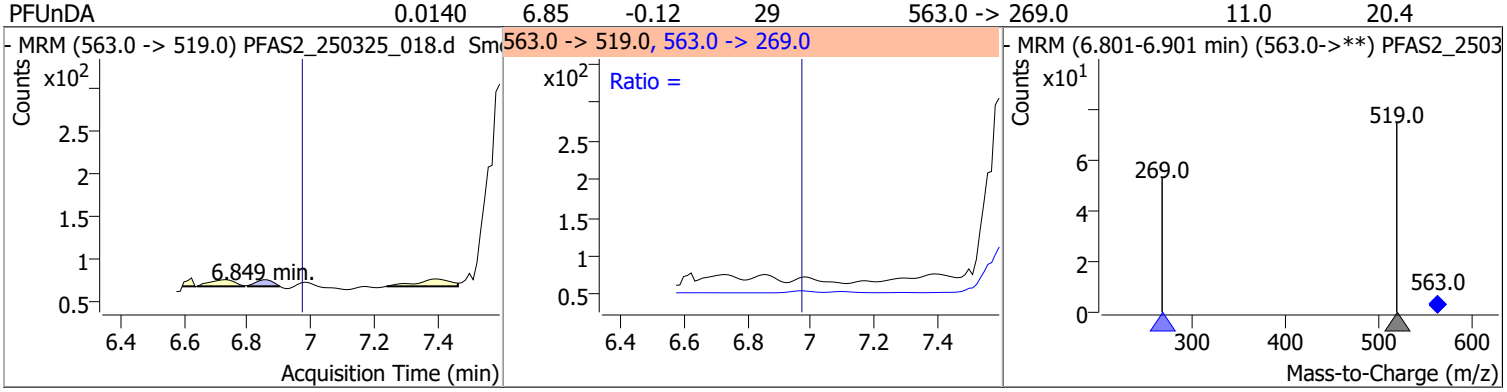
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0155	6.93	-0.01	32	584.0 -> 526.0	209.9	38.4	71.3



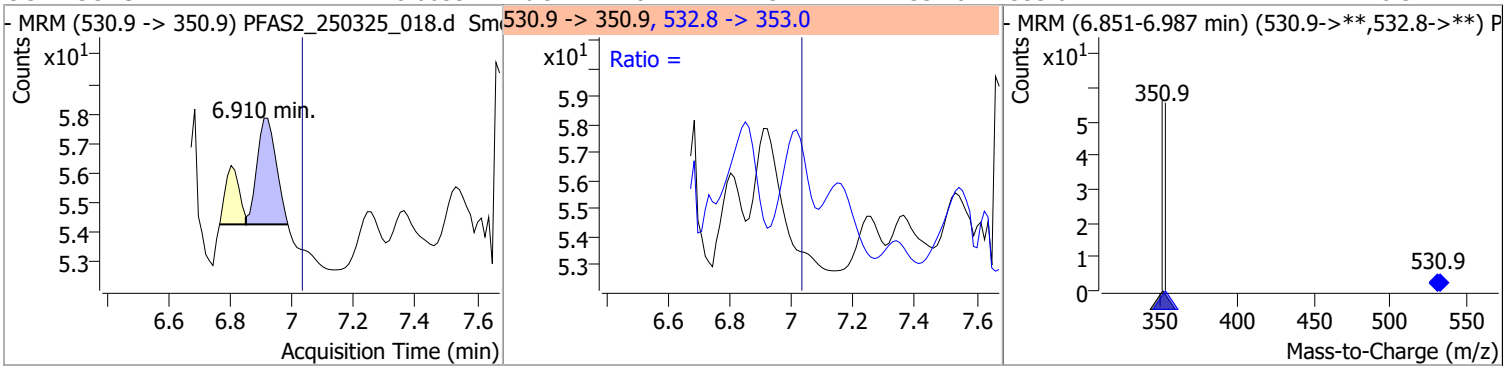
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3698	6.97	0.00	52440				



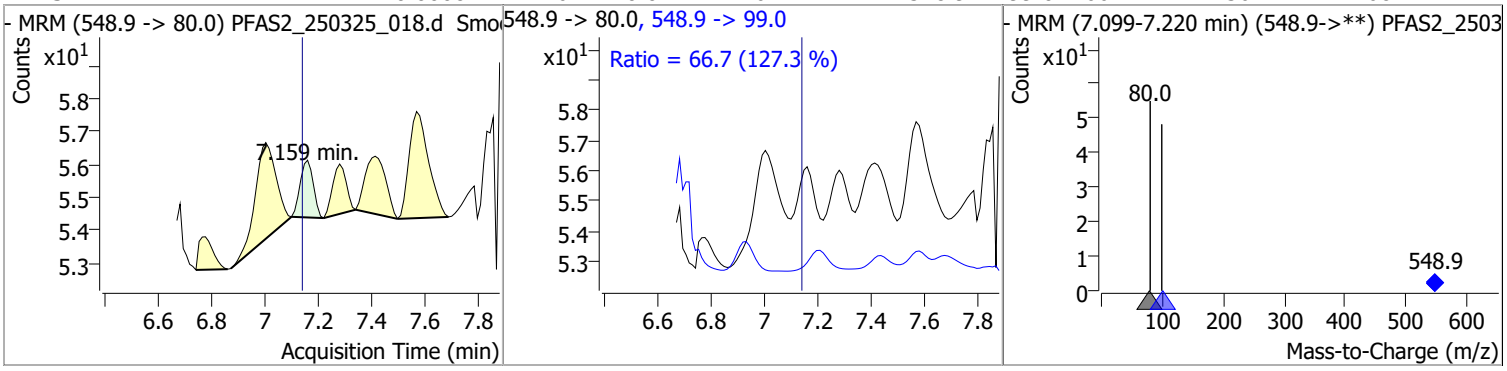
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0140	6.85	-0.12	29	563.0 -> 269.0		11.0	20.4



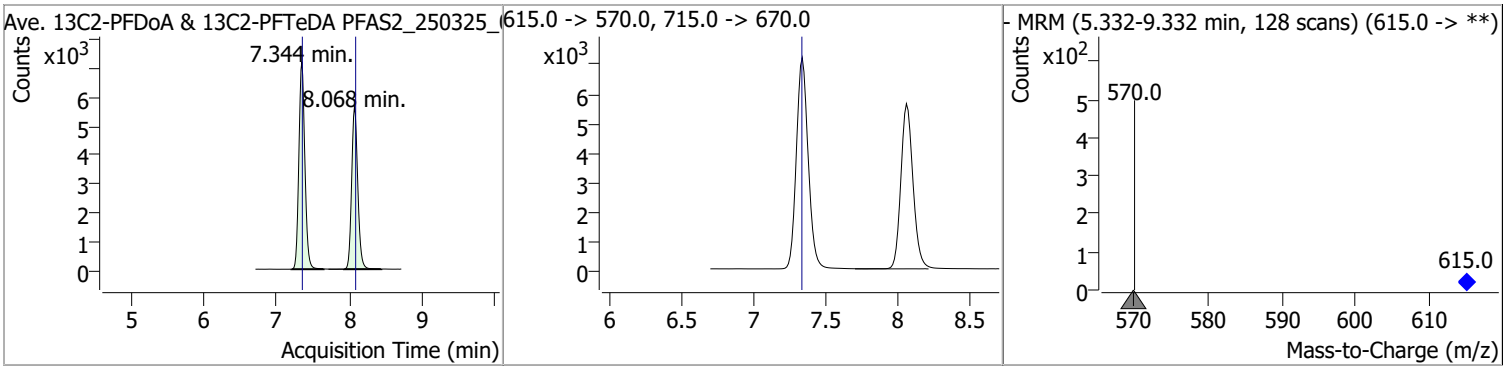
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0653	6.91	-0.12	15	532.8 -> 353.0		21.7	40.3



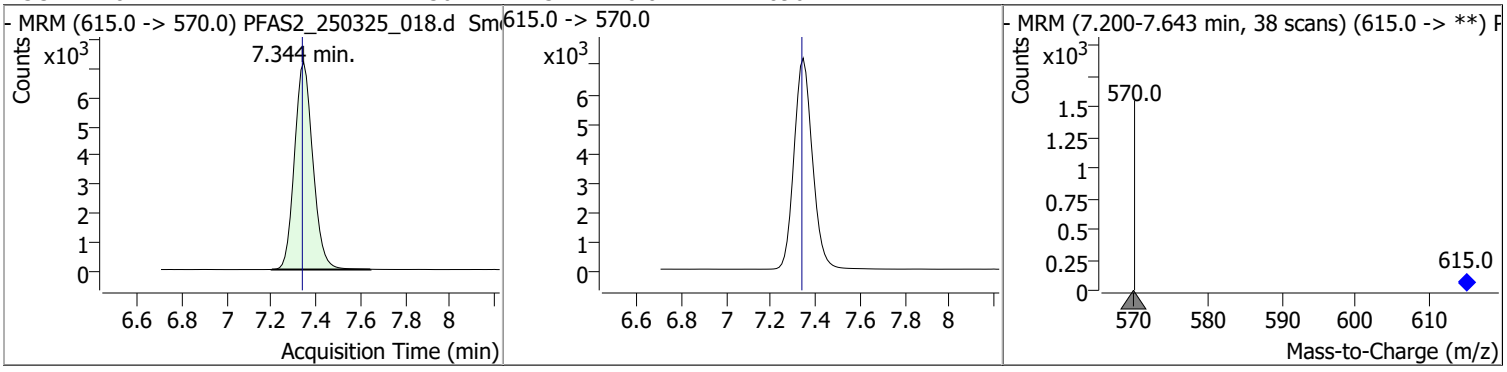
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0008	7.16	0.02	6	548.9 -> 99.0	66.7	36.7	68.1



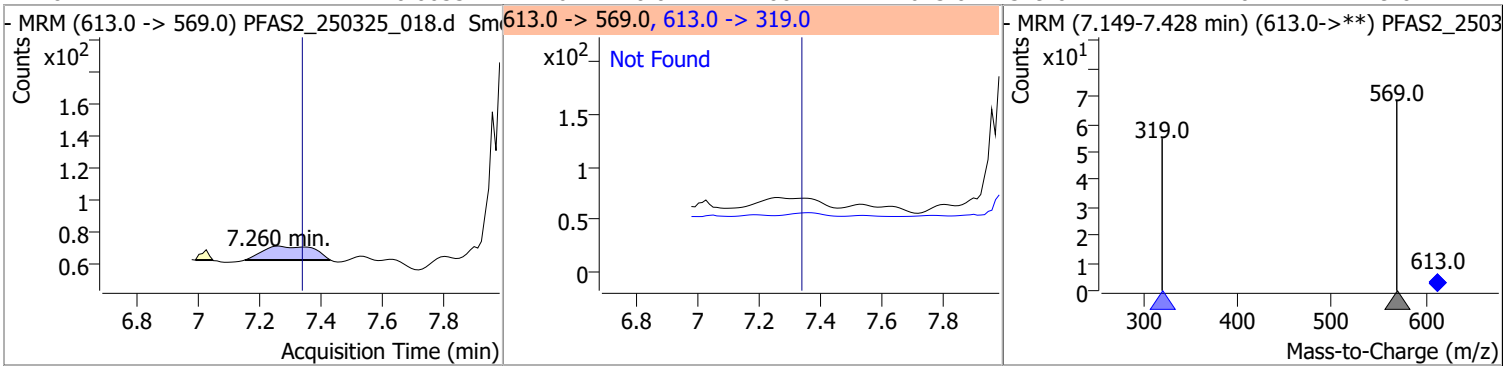
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1719	7.71	0.37	36980				



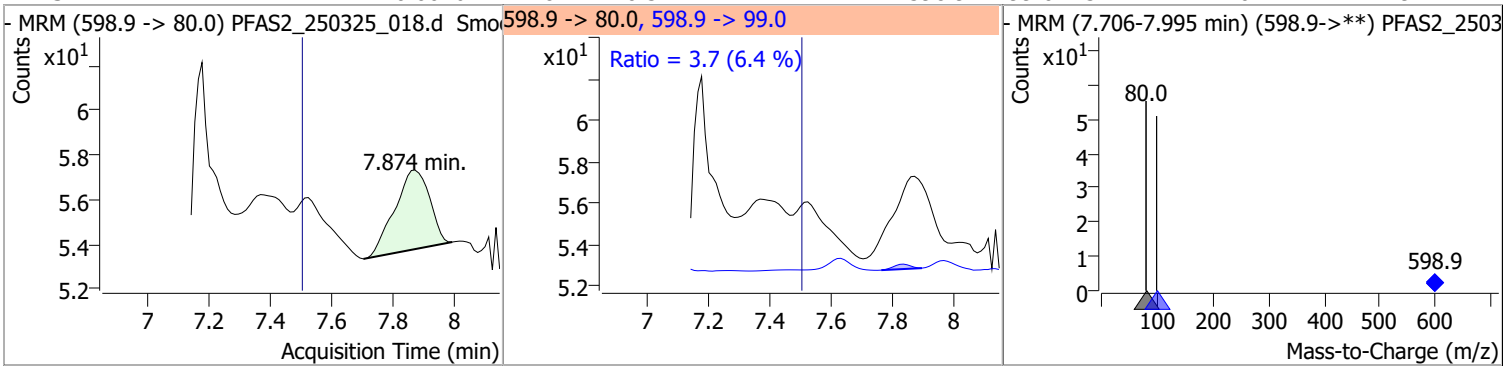
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4361	7.34	0.01	40961				



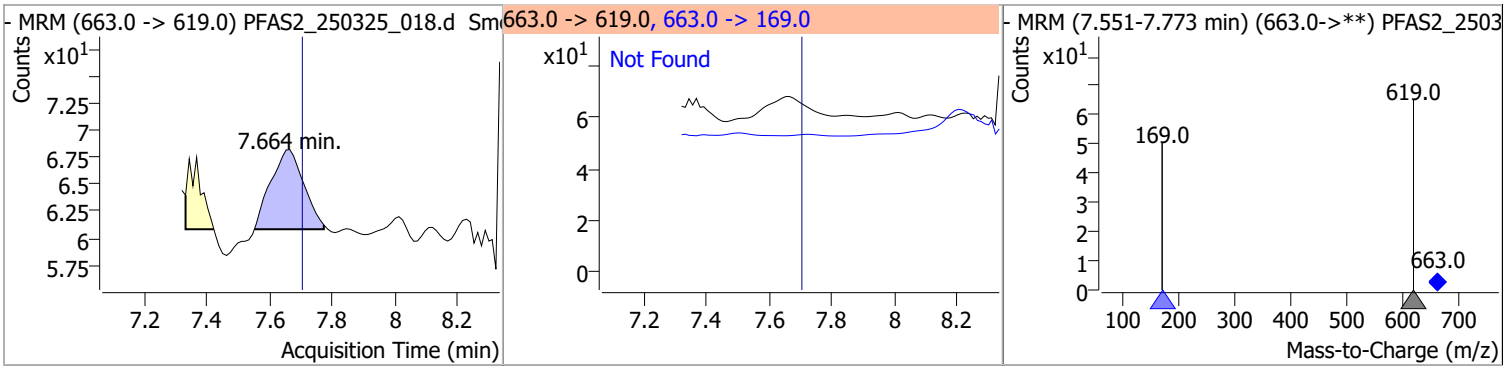
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0033	7.26	-0.07	100	613.0 -> 319.0		10.2	19.0



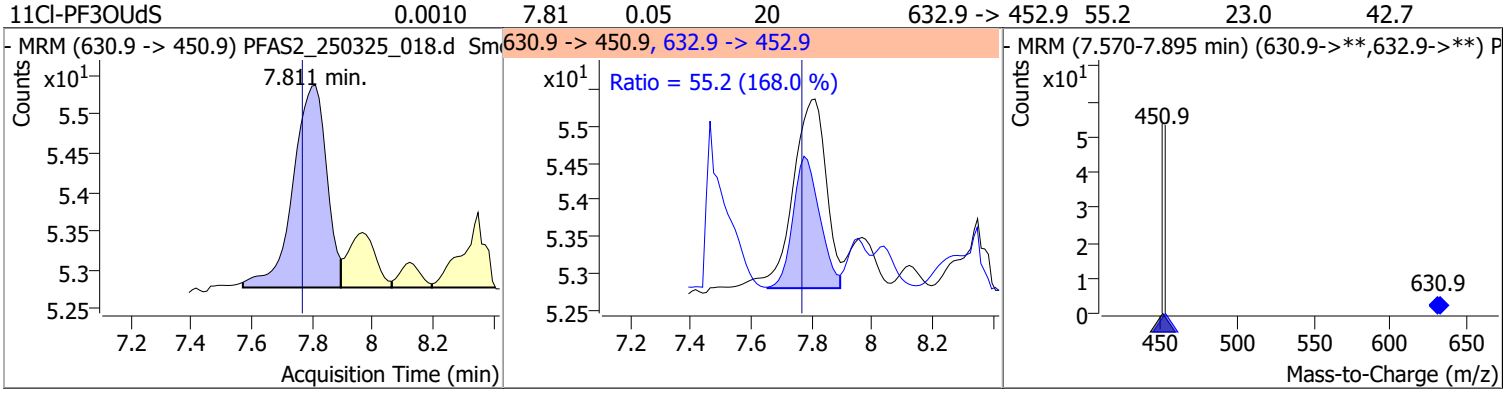
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0046	7.87	0.37	27	598.9 -> 99.0	3.7	40.4	74.9



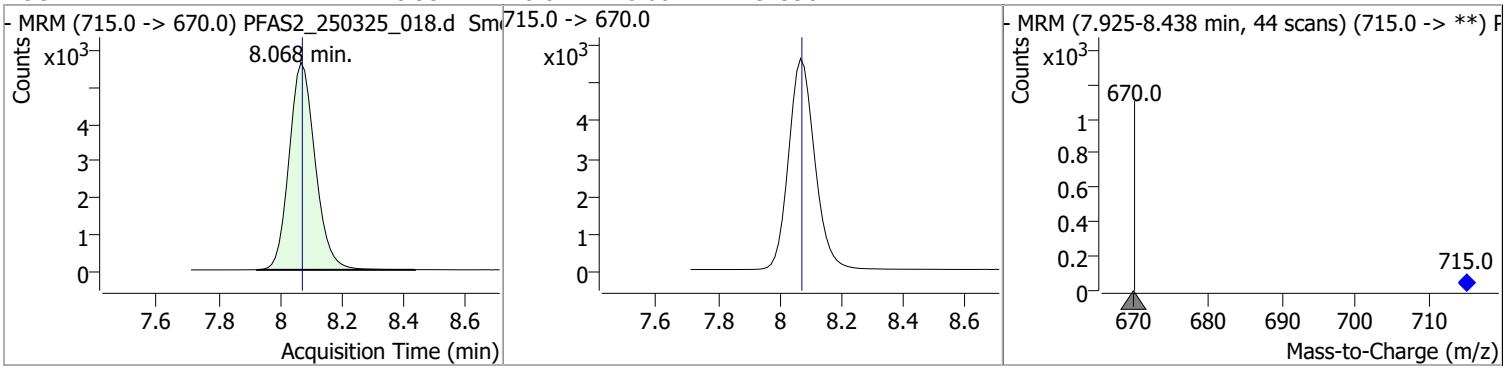
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0019	7.66	-0.04	54	663.0 -> 169.0		7.2	13.4



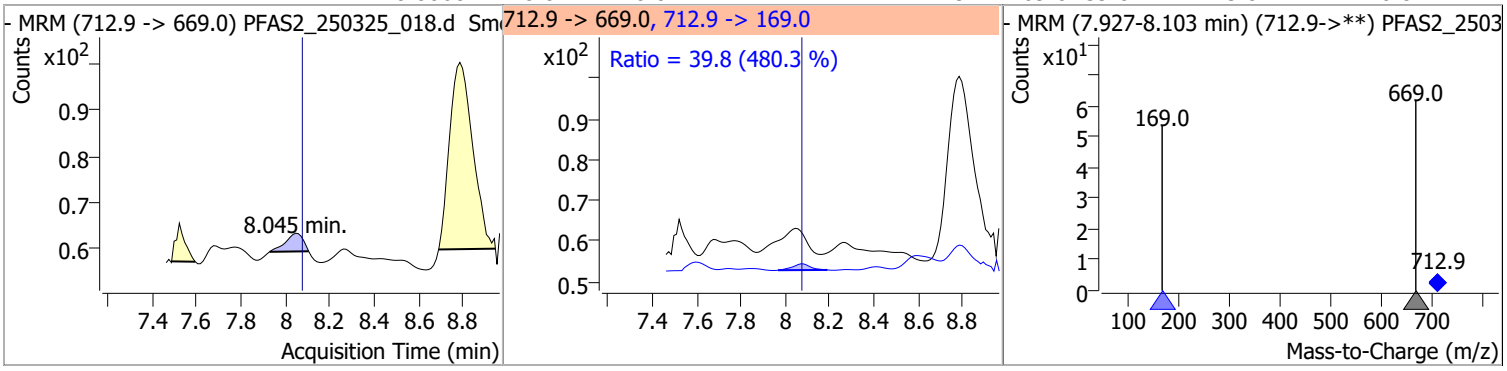
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0010	7.81	0.05	20	632.9 -> 452.9	55.2	23.0	42.7



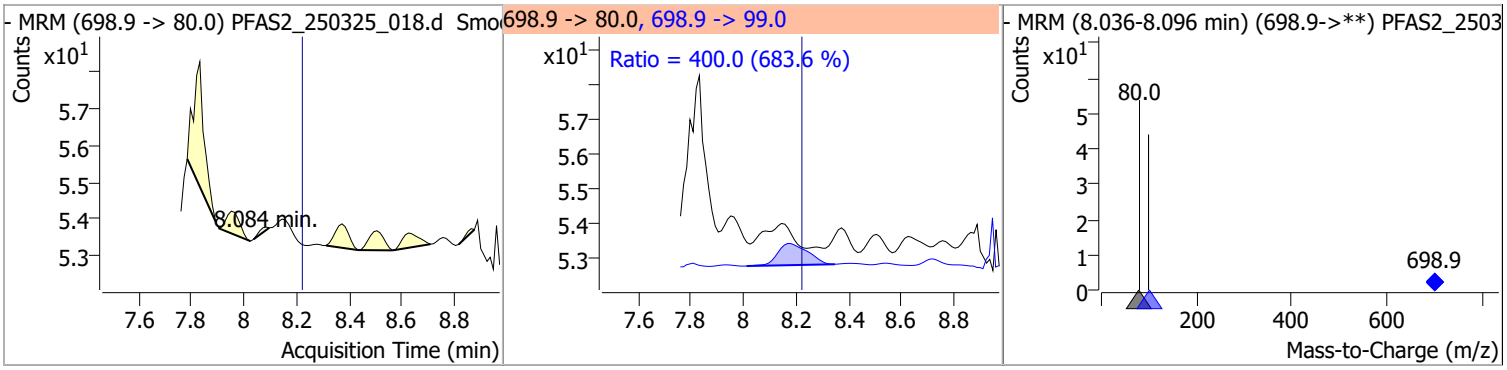
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9541	8.07	0.00	32998				



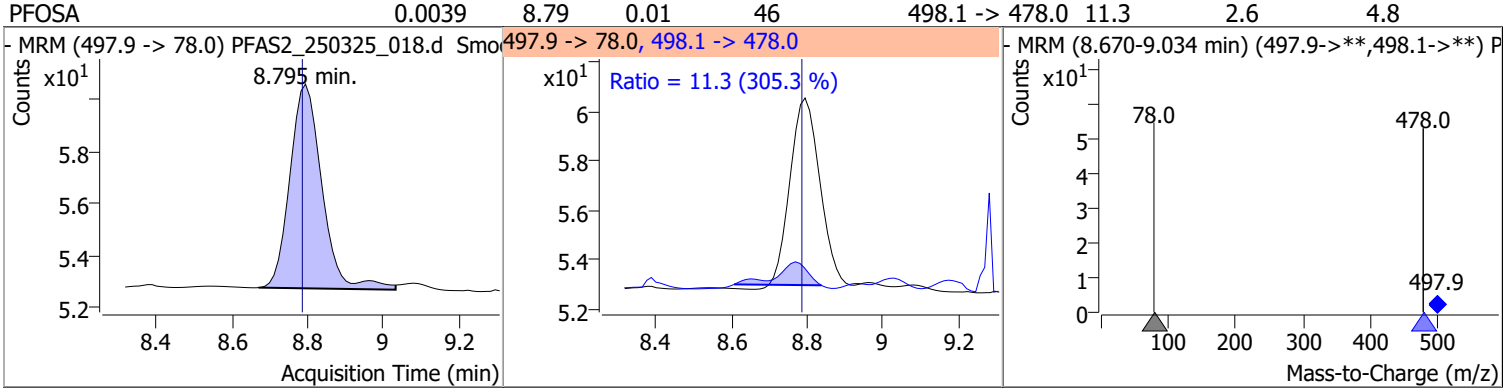
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0068	8.04	-0.02	21	712.9 -> 169.0	39.8	5.8	10.8



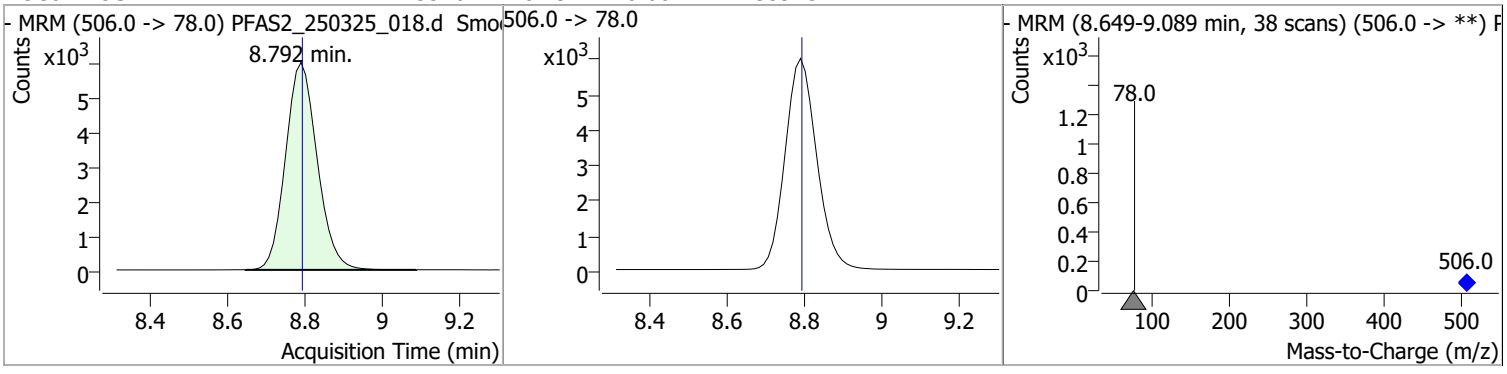
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0002	8.08	-0.13	1	698.9 -> 99.0	400.0	41.0	76.1



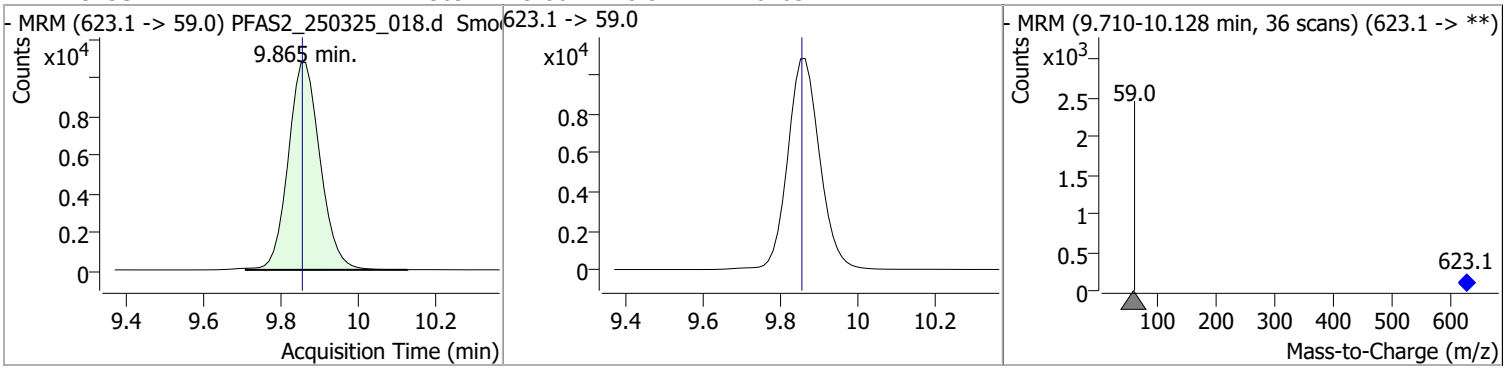
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0039	8.79	0.01	46	498.1 -> 478.0	11.3	2.6	4.8



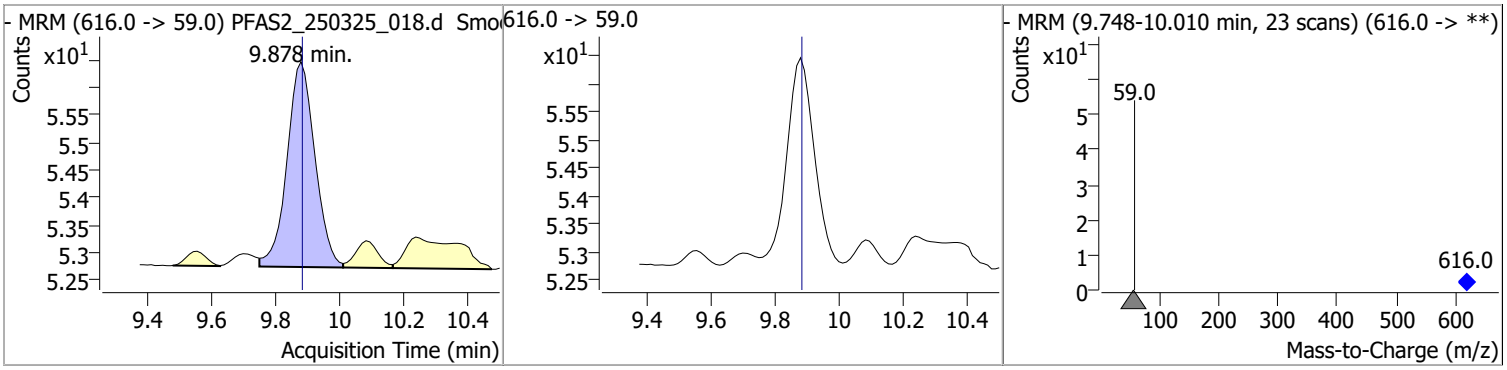
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3340	8.79	0.00	33923				



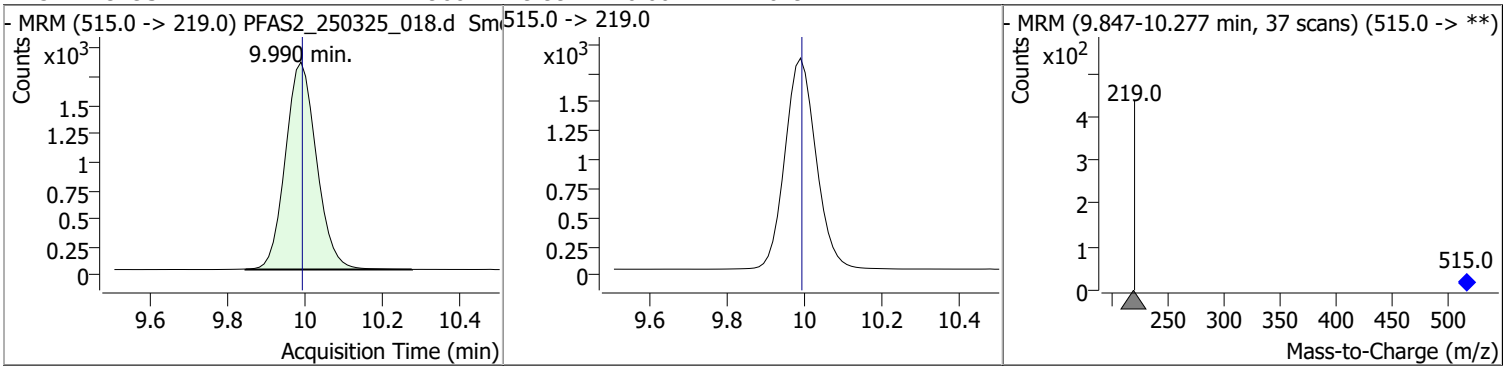
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.5094	9.86	0.01	61632				



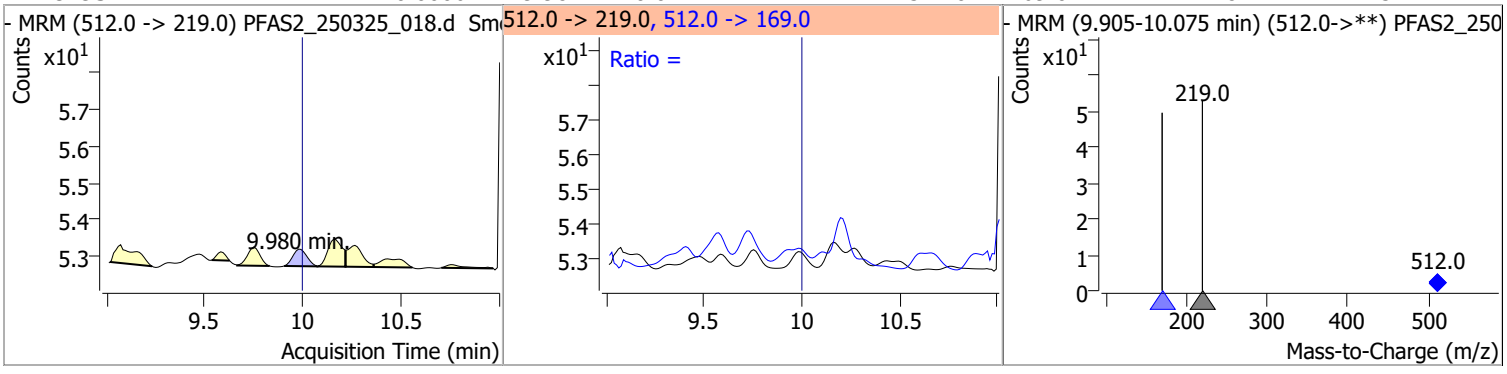
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	23				



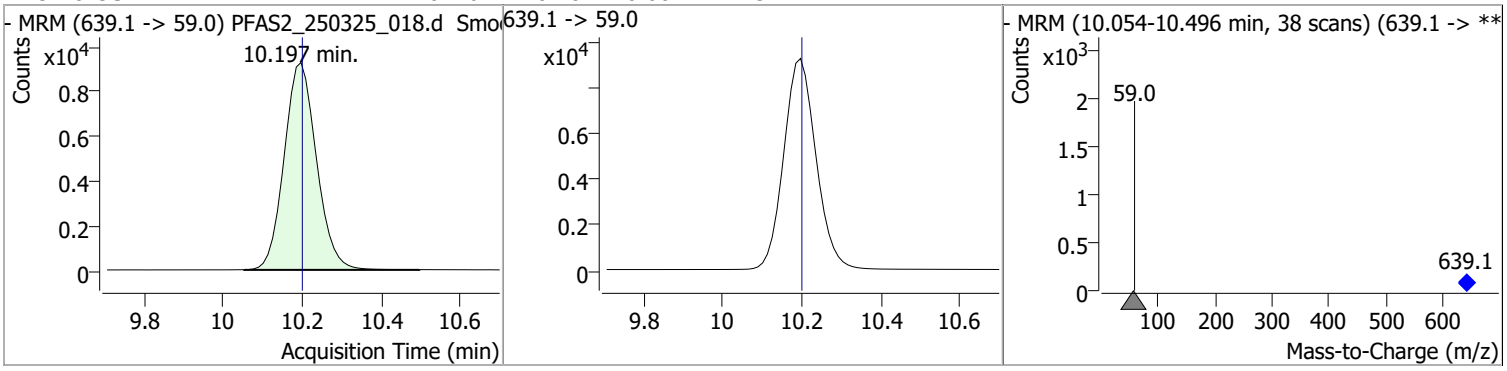
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4988	9.99	0.00	10192				



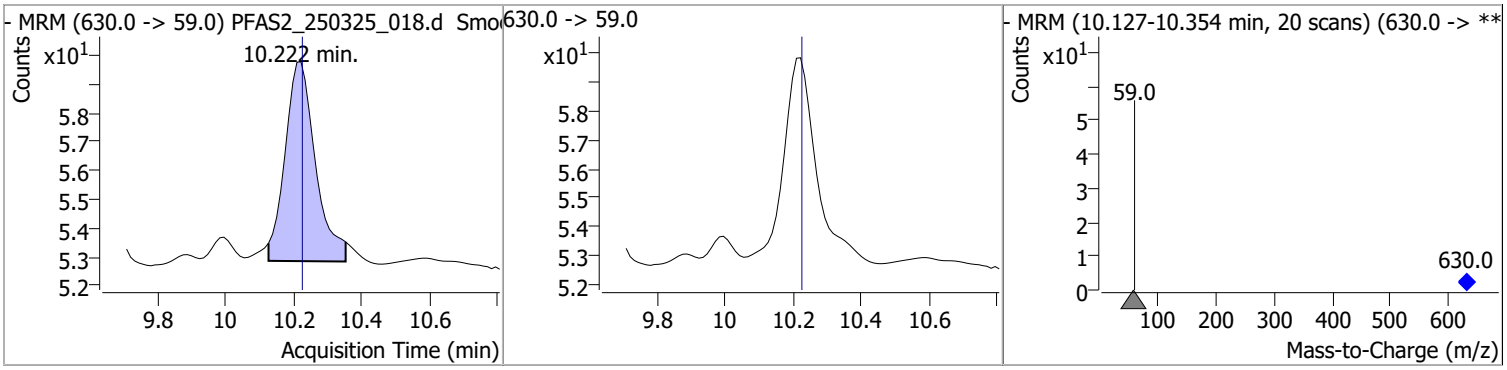
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0006	9.98	-0.01	2	512.0 -> 169.0		81.4	151.2



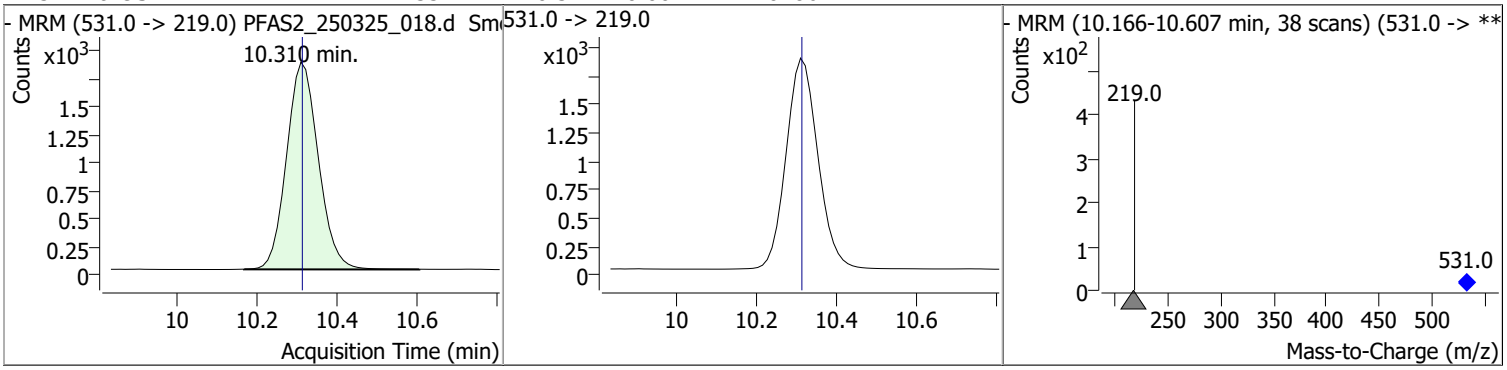
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	21.0216	10.20	0.00	52411				



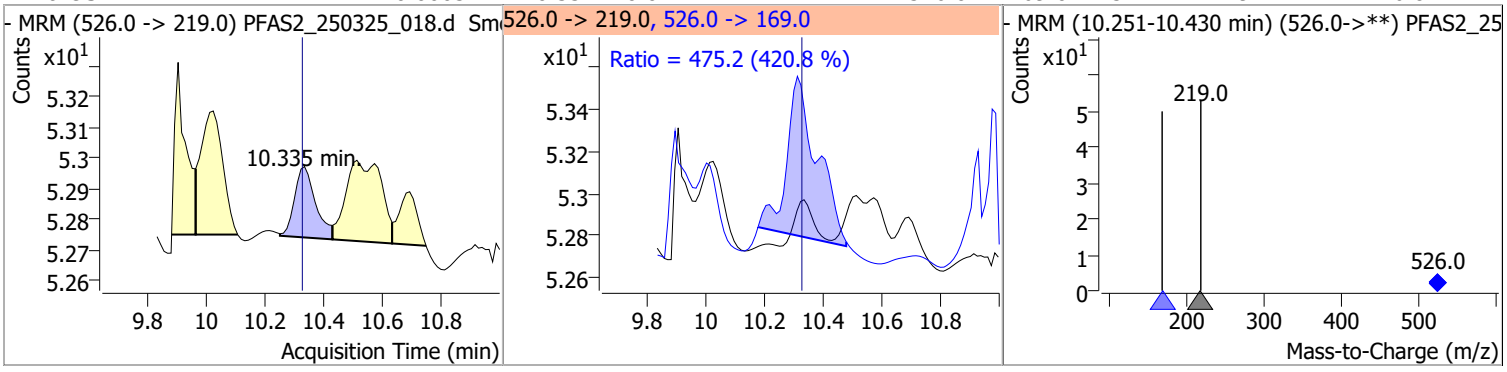
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0323	10.22	0.00	43				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3322	10.31	0.00	10286				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0003	10.33	0.01	1	526.0 -> 169.0	475.2	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET
E1633

EB01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25C0608-06	File ID:	PFAS2_250325_019.d
Sampled:	03/12/25 17:15	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 19:03
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	524.9679 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.46	3.05	6.10	U
2706-90-3	PFPeA		0.13	1.52	3.05	U
307-24-4	PFHxA		0.12	0.76	1.52	U
375-85-9	PFHpA		0.15	0.76	1.52	U
335-67-1	PFOA		0.11	0.76	1.52	U
375-95-1	PFNA		0.09	0.76	1.52	U
335-76-2	PFDA		0.12	0.76	1.52	U
2058-94-8	PFUnA		0.18	0.76	1.52	U
307-55-1	PFDoA		0.10	0.76	1.52	U
72629-94-8	PFTrDA		0.07	0.76	1.52	U
376-06-7	PFTeDA		0.11	0.76	1.52	U
375-73-5	PFBS		0.18	0.68	1.35	U
2706-91-4	PFPeS		0.20	0.72	1.44	U
355-46-4	PFHxS		0.22	0.70	1.39	U
375-92-8	PFHpS		0.39	0.72	1.45	U
1763-23-1	PFOS	0.71	0.21	0.89	1.77	J
68259-12-1	PFNS		0.19	0.73	1.47	U
335-77-3	PFDS		0.13	0.73	1.47	U
79780-39-5	PFDoS		0.08	0.74	1.48	U
757124-72-4	4:2FTS		0.39	2.86	5.71	U
27619-97-2	6:2FTS		2.64	2.90	5.79	U
39108-34-4	8:2FTS		0.58	2.92	5.85	U
754-91-6	PFOSA		0.10	0.76	1.52	U
31506-32-8	NMeFOSA		0.25	0.76	1.52	U
4151-50-2	NEtFOSA		0.30	0.76	1.52	U
2355-31-9	NMeFOSAA		0.42	0.76	1.52	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

EB01-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25C0608-06	File ID:	PFAS2_250325_019.d
Sampled:	03/12/25 17:15	Prepared:	03/25/25 10:02	Analyzed:	03/25/25 19:03
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	524.9679 ml / 5 ml				
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106	Instrument:	PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.76	1.52	U
24448-09-7	NMeFOSE		0.96	7.62	15.2	U
1691-99-2	NEtFOSE		1.20	7.62	15.2	U
13252-13-6	HFPO-DA		0.39	1.52	3.05	U
919005-14-4	ADONA		0.14	1.44	2.88	U
756426-58-1	9CL-PF3ONS		0.17	1.42	2.85	U
763051-92-9	11CL-PF3OUdS		0.30	1.44	2.88	U
356-02-5	3:3FTCA		0.63	3.05	6.10	U
914637-49-3	5:3FTCA		3.49	15.2	30.5	U
812-70-4	7:3FTCA		2.91	15.2	30.5	U
113507-82-7	PFEESA		0.16	1.36	2.71	U
377-73-1	PFMPA		0.10	1.52	3.05	U
863090-89-5	PFMBA		0.11	1.52	3.05	U
151772-58-6	NFDHA		0.43	1.52	3.05	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_019.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 7:03:49 PM
Sample Name	O25C0608-06	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

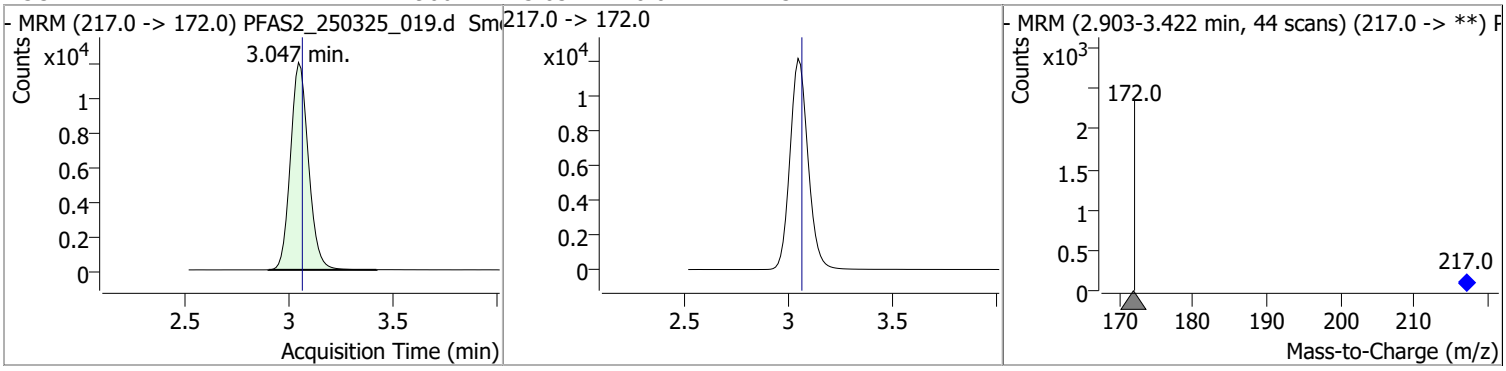
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	109798	5.0000	µg/L		-19.763
13C2-PFHxA	4.890	315.0 -> 270.0	127004	2.5000	µg/L		-17.220
18O2-PFHxS	5.955	403.0 -> 84.0	26926	2.5000	µg/L		-9.125
13C4-PFOA	5.823	417.0 -> 172.0	13252	2.5000	µg/L		-14.214
13C5-PFNA	6.214	468.0 -> 423.0	64107	1.2500	µg/L		-9.927
13C2-PFDA	6.592	515.0 -> 470.0	59177	1.2500	µg/L		-11.512
13C4-PFOS	6.759	503.0 -> 80.0	23602	2.5000	µg/L		-5.249
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	72512	10.0000	µg/L		-76.672
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 29.06%			
13C5-PFPeA	4.222	268.0 -> 223.0	162840	5.0000	µg/L		-21.302
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	162840	5.0000	µg/L		-21.302
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24534	5.0000	µg/L		-2.893
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.29%			
13C5-PFHxA	4.889	318.0 -> 273.0	135547	2.5000	µg/L		-19.721
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C5-PFHxA	4.889	318.0 -> 273.0	135547	2.5000	µg/L		-19.721
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C3-PFBS	4.929	302.0 -> 80.0	50281	2.5000	µg/L		-17.198
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.21%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	153753	10.0000	µg/L		-12.026
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 106.27%			
13C4-PFHpA	5.385	367.0 -> 322.0	156842	2.5000	µg/L		-16.965
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.34%			
13C3-PFHxS	5.956	402.0 -> 80.0	29855	2.5000	µg/L		-14.575
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.03%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13210	5.0000	µg/L	#	-10.556
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.53%			
13C8-PFOA	5.823	421.0 -> 376.0	143610	2.5000	µg/L		-16.863
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.93%			
13C3-PFHxS	5.956	402.0 -> 80.0	29855	2.5000	µg/L		-14.575
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.03%			
13C9-PFNA	6.213	472.0 -> 427.0	62436	1.2500	µg/L		-11.394
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.33%			
13C8-PFOS	6.759	507.0 -> 80.0	22801	2.5000	µg/L		-9.818
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.22%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9719	5.0000	µg/L	#	-17.951
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 90.17%			
13C6-PFDA	6.591	519.0 -> 474.0	65458	1.2500	µg/L		-3.682
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.75%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51378	5.0000	µg/L		-7.956
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.03%			
13C8-PFOS	6.759	507.0 -> 80.0	22801	2.5000	µg/L		-9.818

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.22%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38630	5.0000	µg/L		-8.393
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.63%			
13C7-PFUnDA	6.966	570.0 -> 525.0	55122	1.2500	µg/L		2.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 116.20%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	37884	1.2500	µg/L		-14.126
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.89%			
13C2-PFDoDA	7.344	615.0 -> 570.0	42833	1.2500	µg/L		7.230
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 121.19%			
13C2-PFTDA	8.068	715.0 -> 670.0	32934	1.2500	µg/L		-31.793
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.85%			
13C8-PFOSA	8.792	506.0 -> 78.0	32122	2.5000	µg/L		-13.092
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.54%			
13C8-PFOSA	8.792	506.0 -> 78.0	32122	2.5000	µg/L		-13.092
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.54%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57121	25.0000	µg/L		-54.537
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 48.02%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9750	2.5000	µg/L		-5.976
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.00%			
2H9-EtFOSE	10.197	639.1 -> 59.0	47700	25.0000	µg/L		-24.892
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.24%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10809	2.5000	µg/L		-3.832
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.51%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	0.000		0	N.D.			
3-3 FTCA	3.742	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.811	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.049	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.328	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.591	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.539	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	0	0.0000	µg/L	md	
PFHxS	5.945	398.9 -> 80.0	148	0.0128	µg/L		96
PFNA	6.262	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.400	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.555	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.192	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.742	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	400	0.0748	µg/L		85
N-EtFOSAA	6.906	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.088	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.135	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.308	613.0 -> 569.0	0	0.0000	µg/L	md	

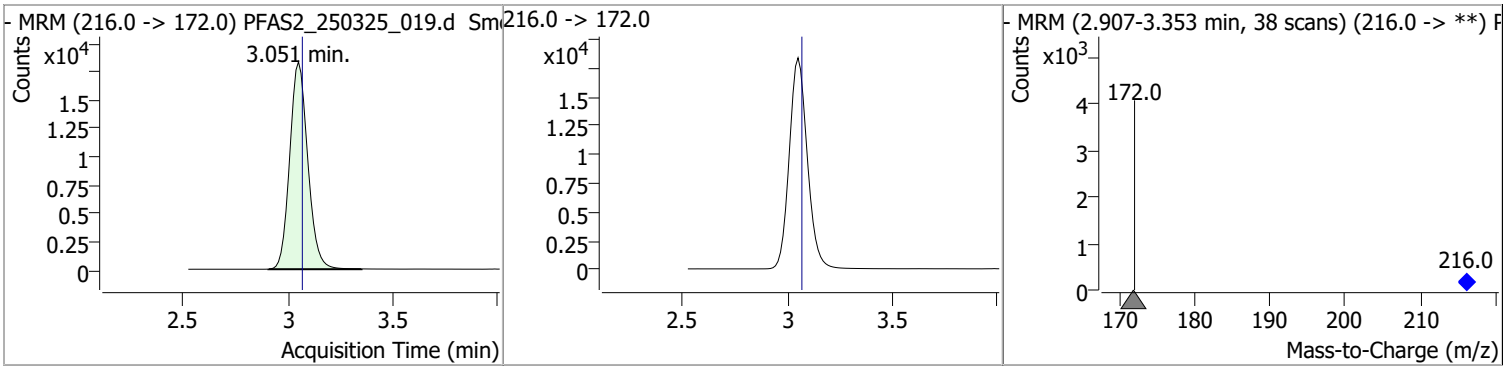
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.688	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.787	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.069	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.204	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.795	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	82	0.0013	µg/L		100
N-MeFOSA	9.968	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	63	0.0464	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

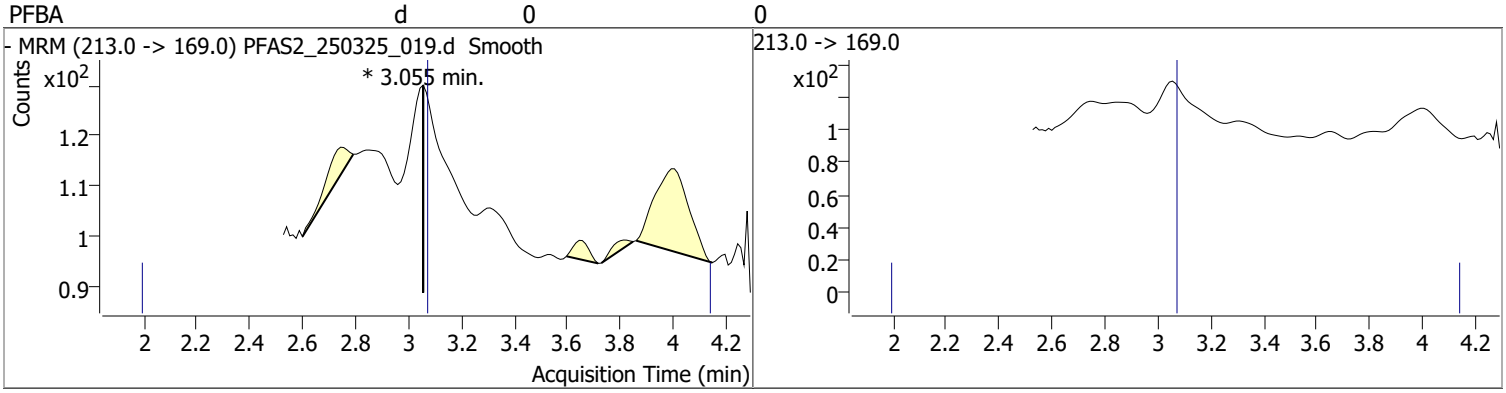
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	2.9062	3.05	-0.01	72512				



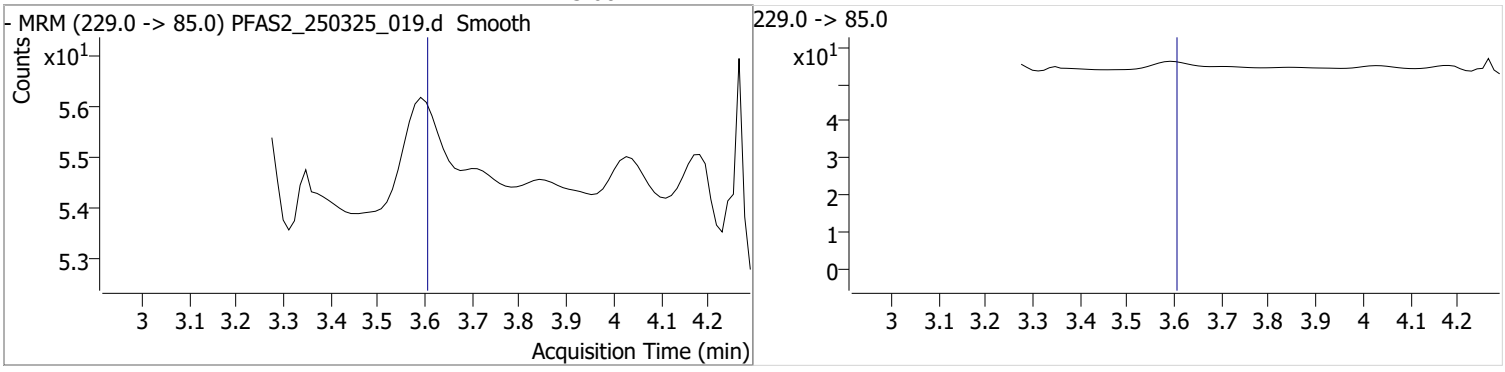
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	109798				



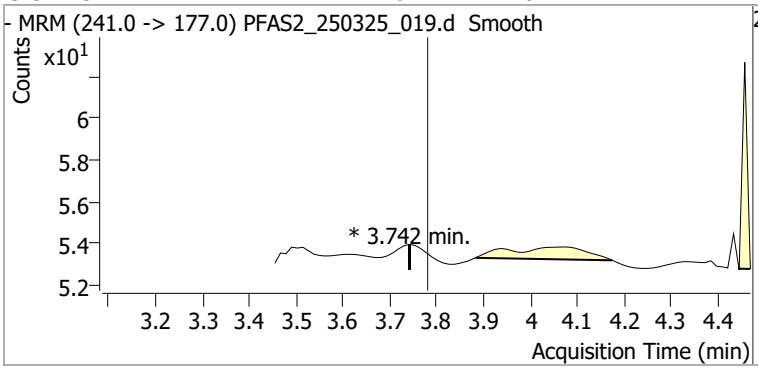
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

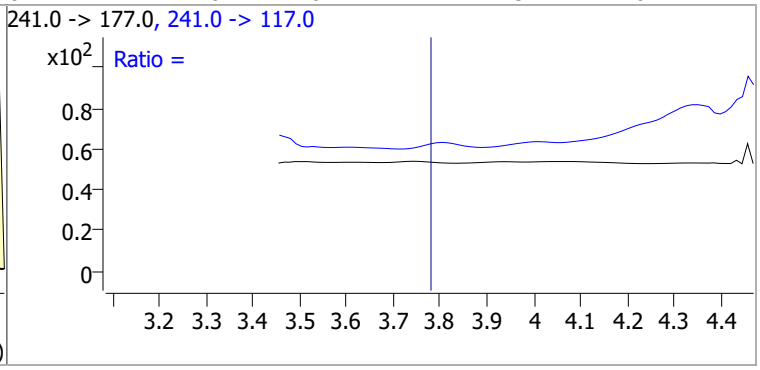


Compound	Conc.	Exp RT	QIon	Exp Ratio
PFMPA	N.D.	3.60		

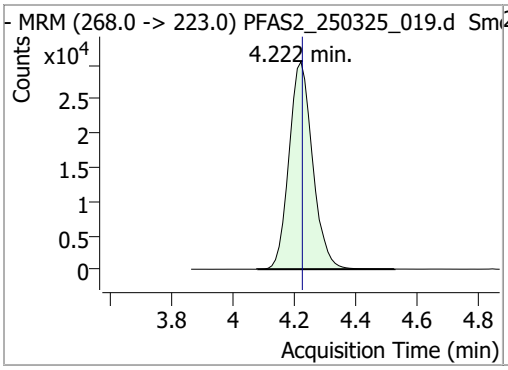


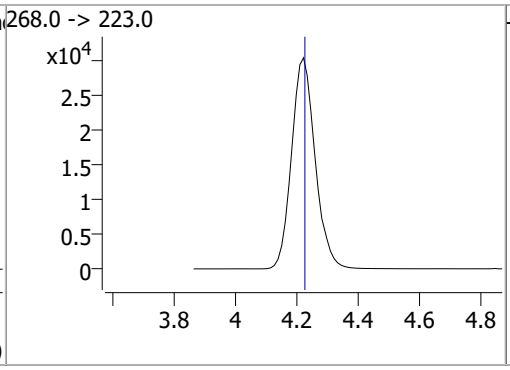
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

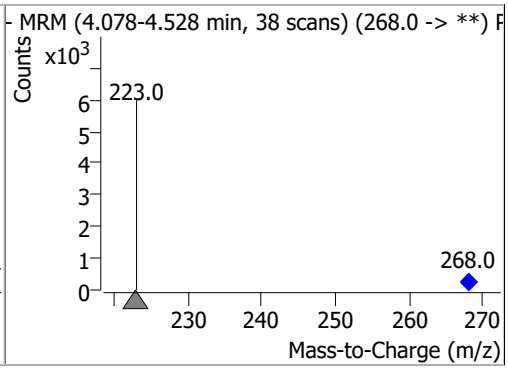




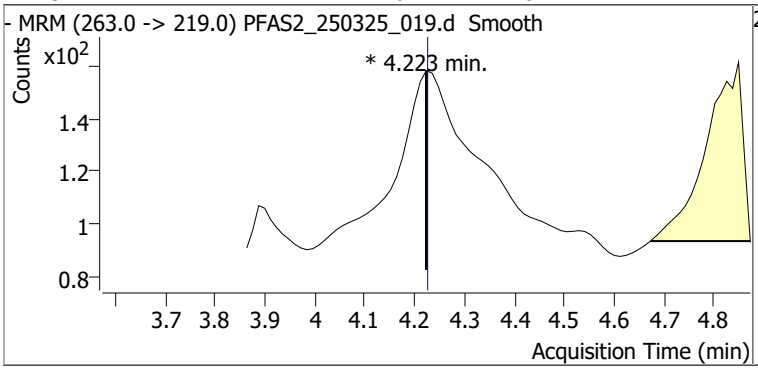
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7537	4.22	0.00	162840				

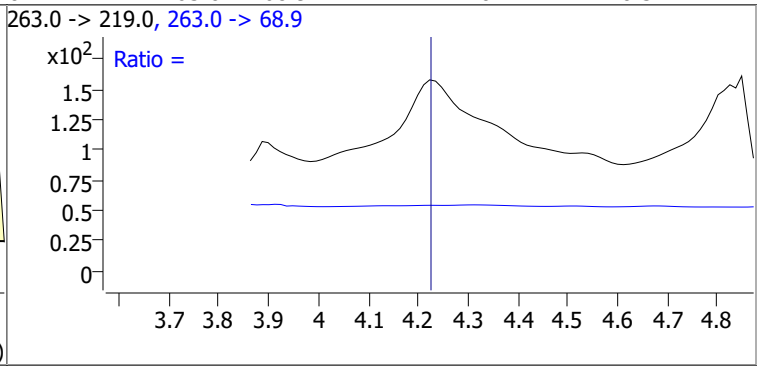




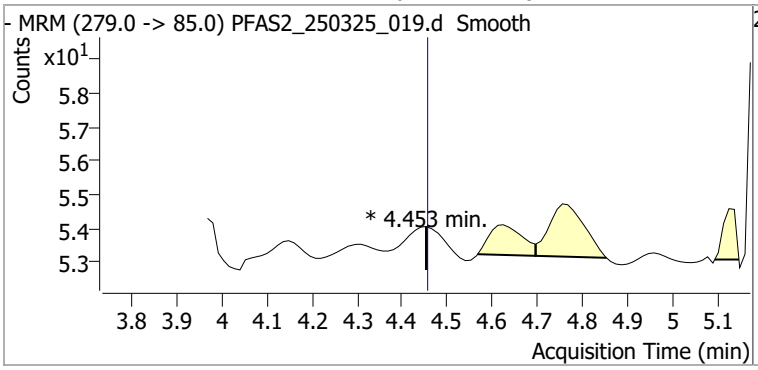


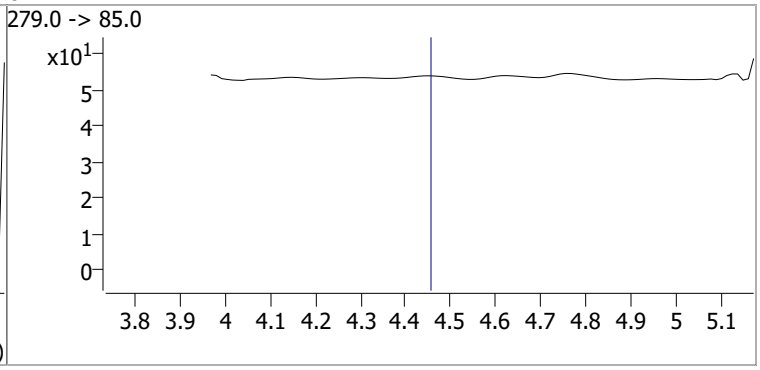
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



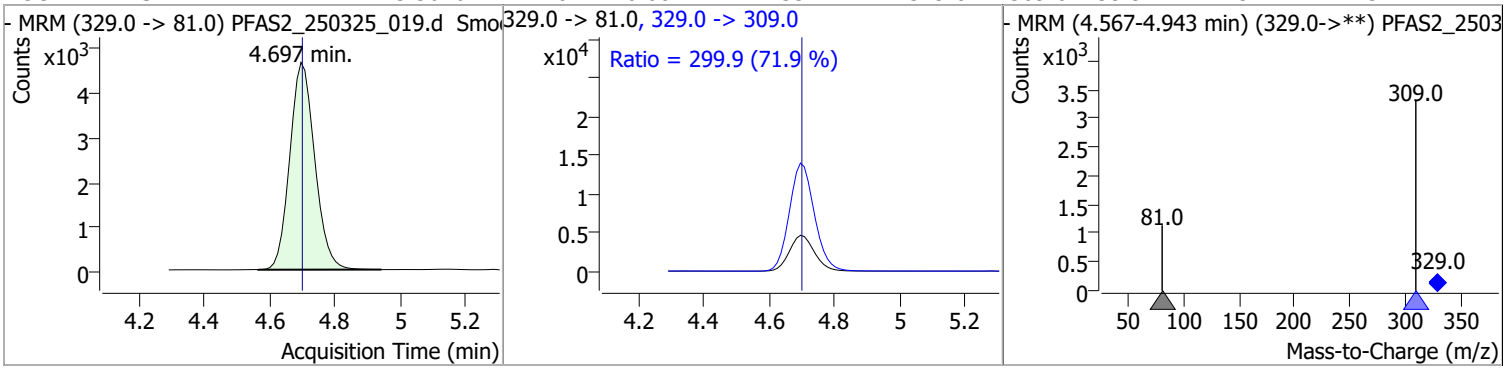


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

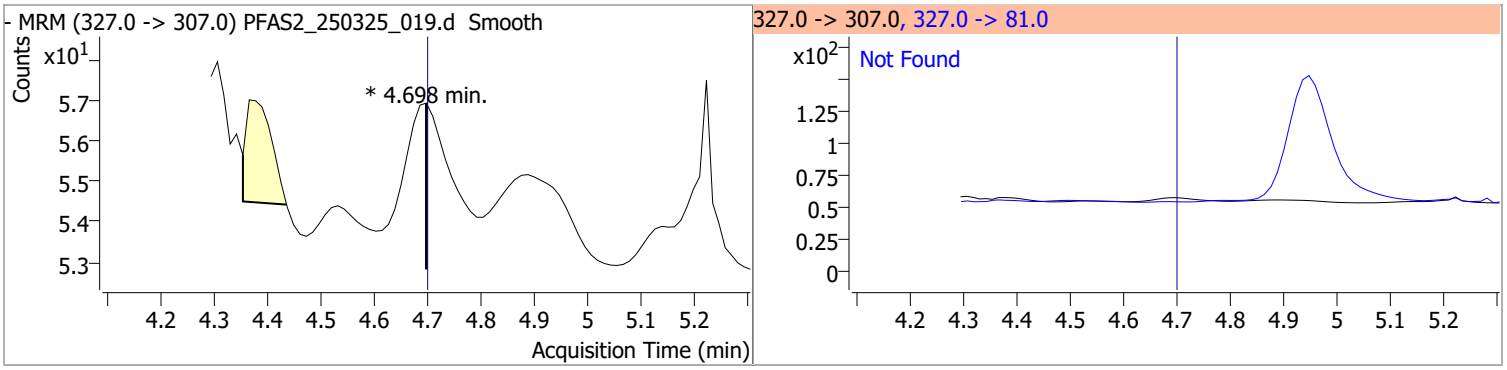




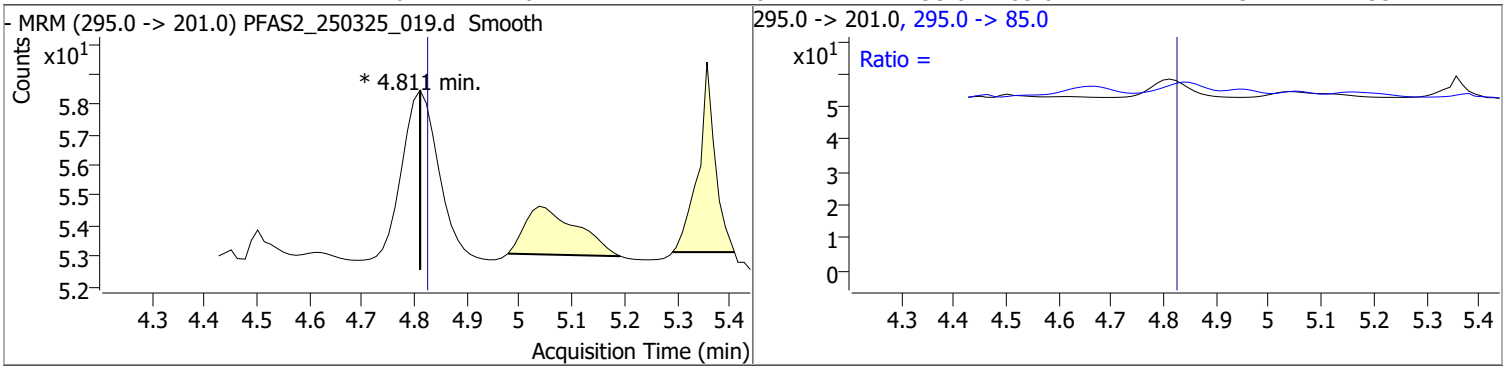
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3646	4.70	0.00	24534	329.0 -> 309.0	299.9	292.1	542.4



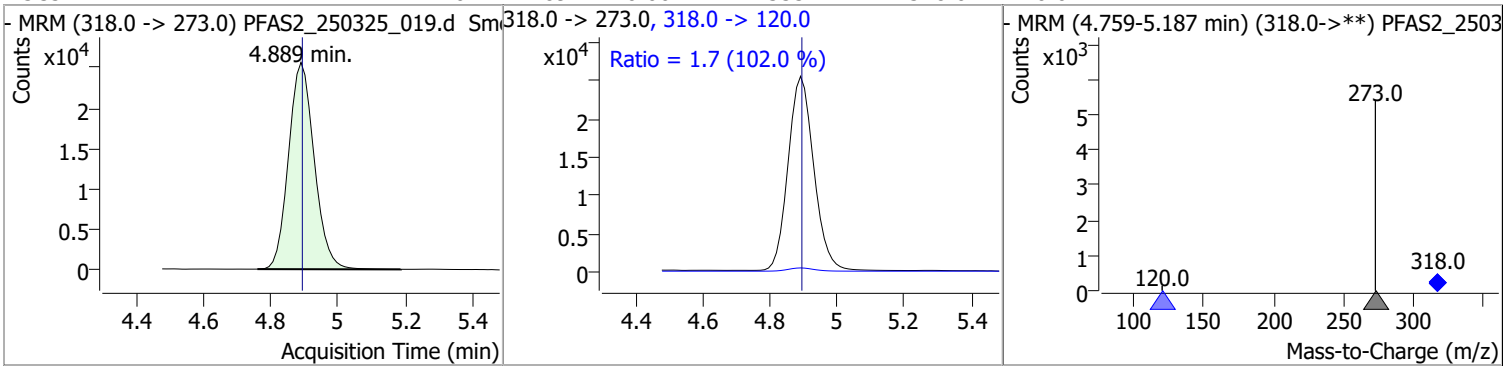
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



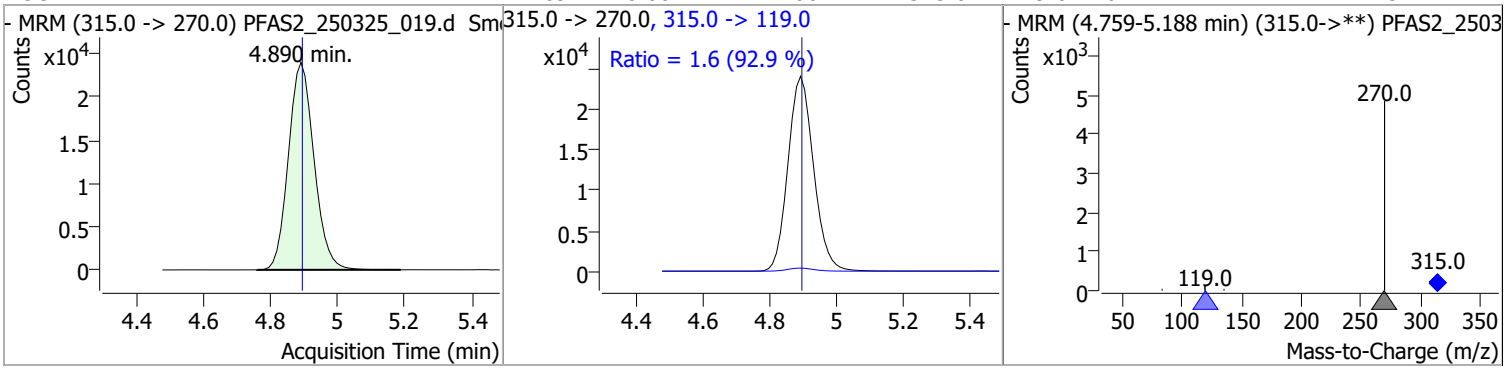
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



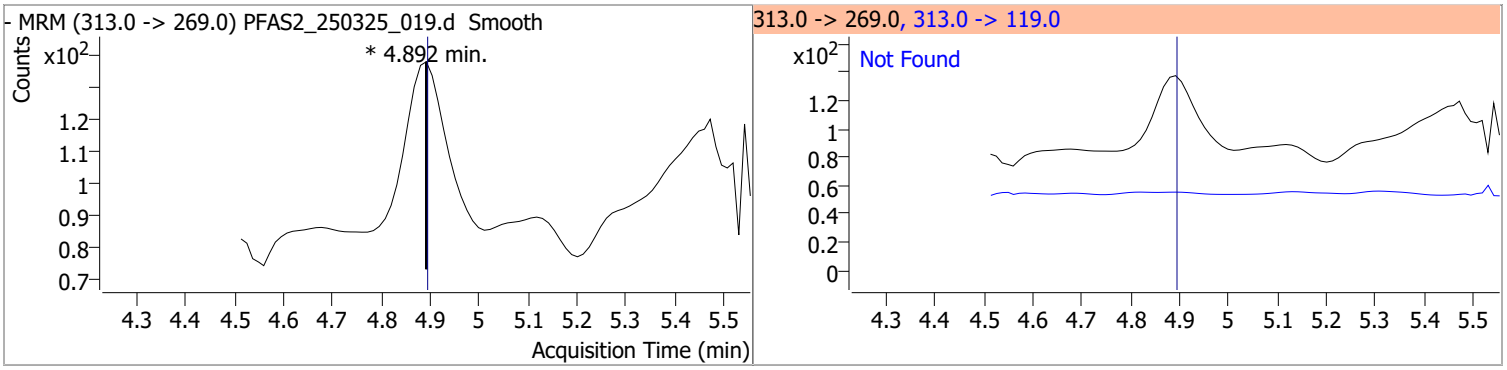
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4240	4.89	0.00	135547	318.0 -> 120.0	1.7	1.1	2.1



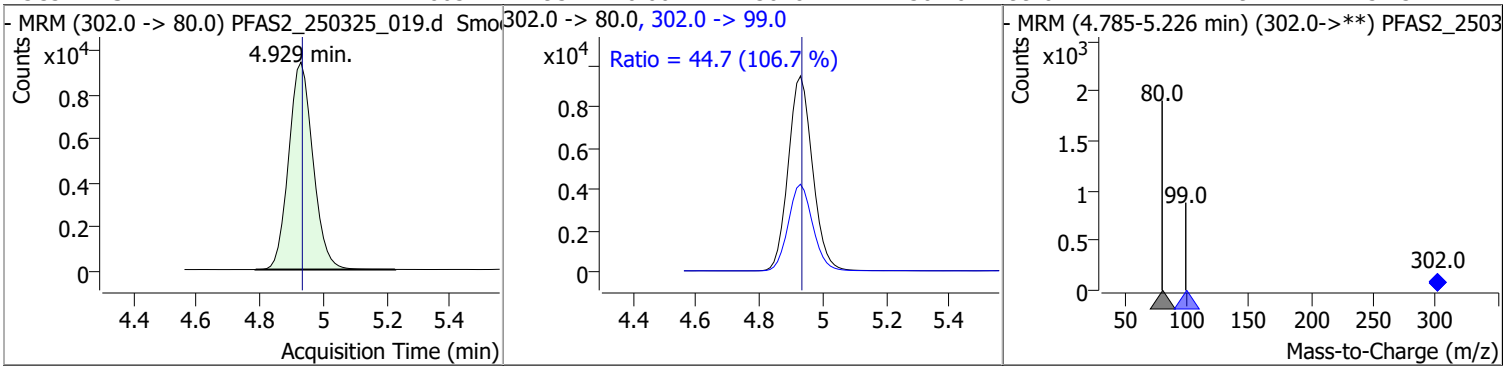
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	127004	315.0 -> 119.0	1.6	1.2	2.3



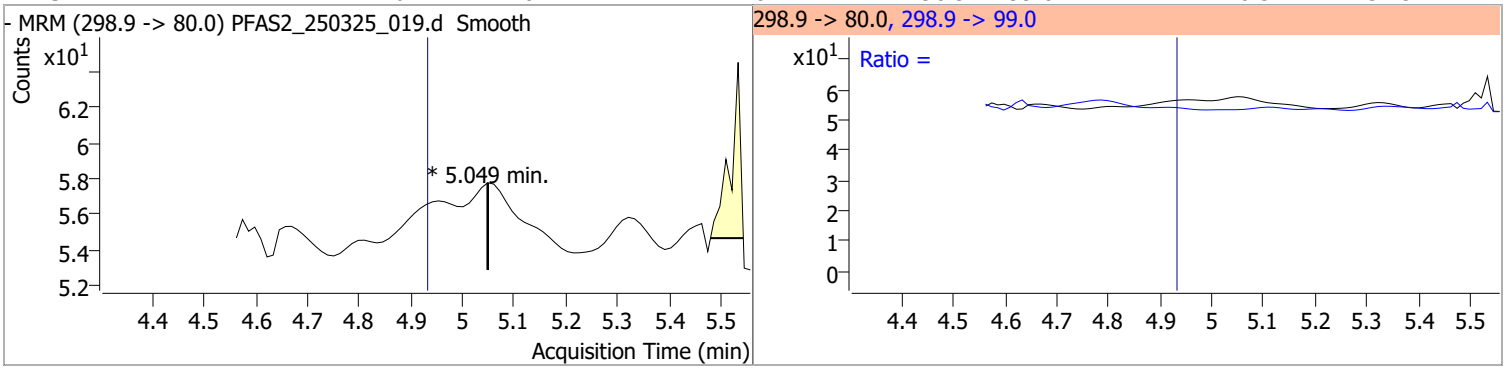
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



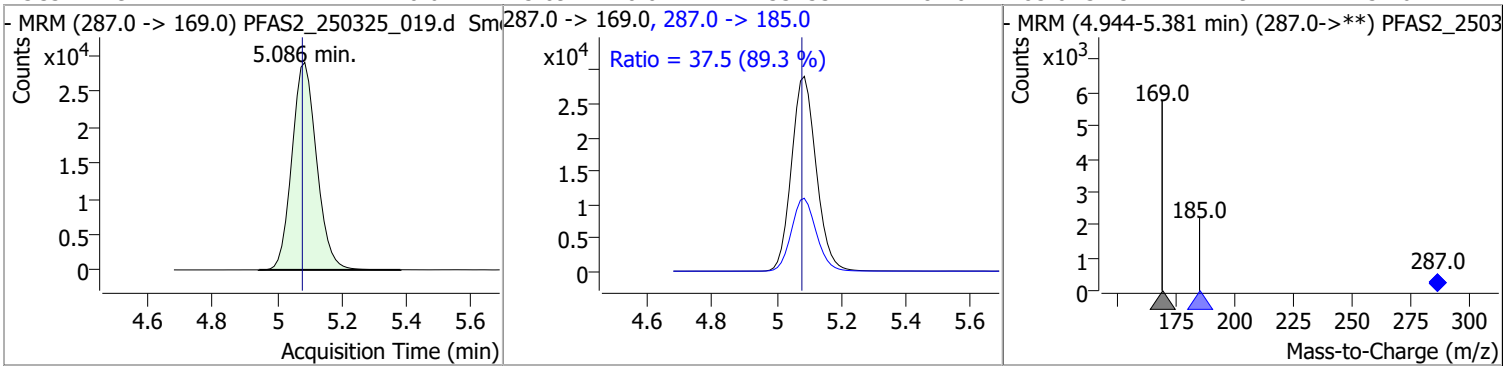
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2803	4.93	0.00	50281	302.0 -> 99.0	44.7	29.4	54.5



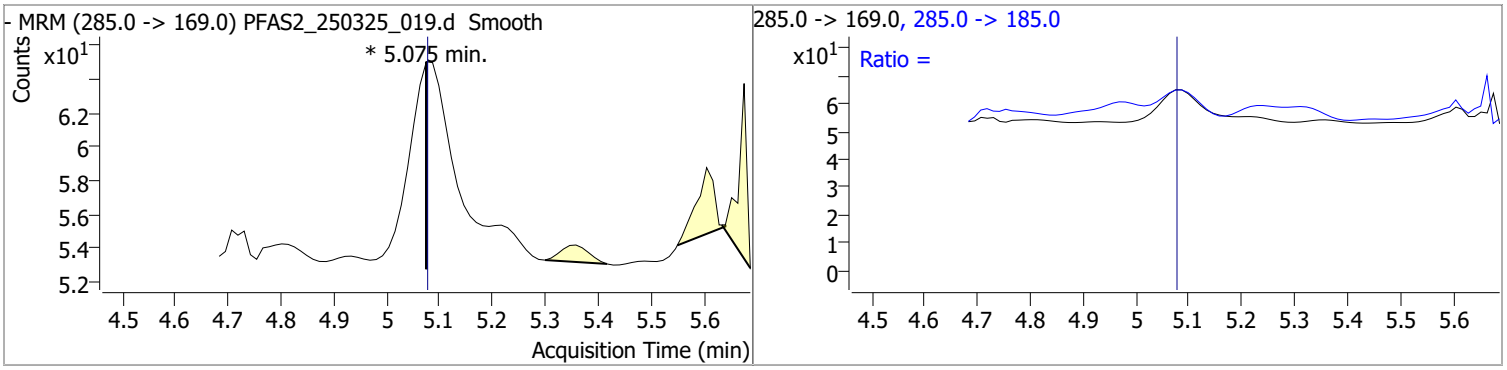
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



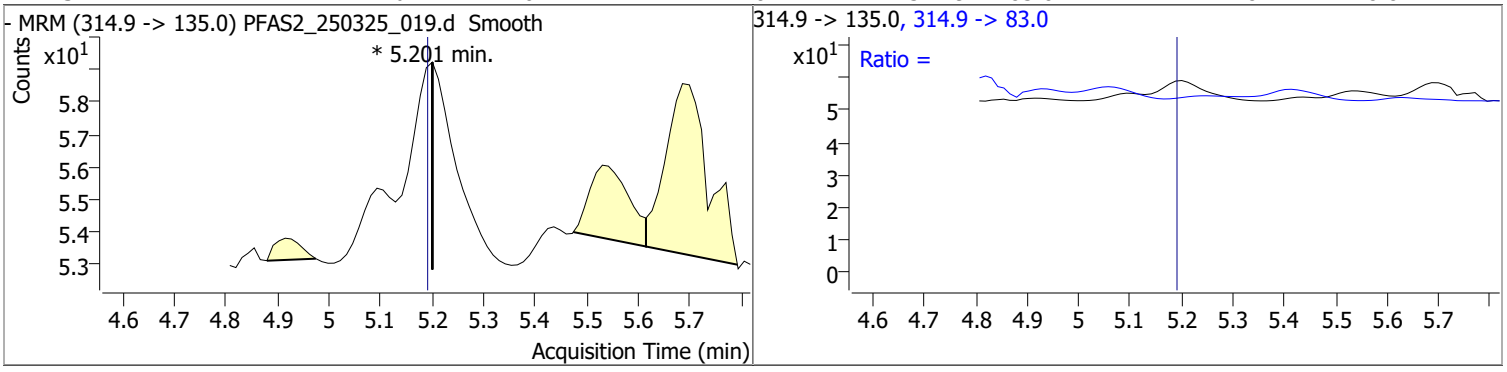
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.6271	5.09	0.01	153753	287.0 -> 185.0	37.5	29.4	54.6



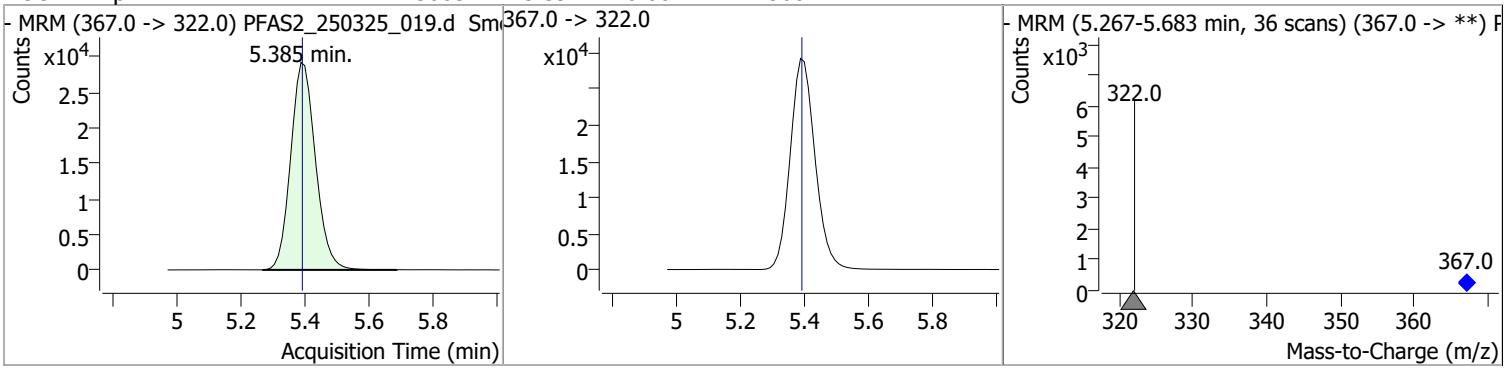
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



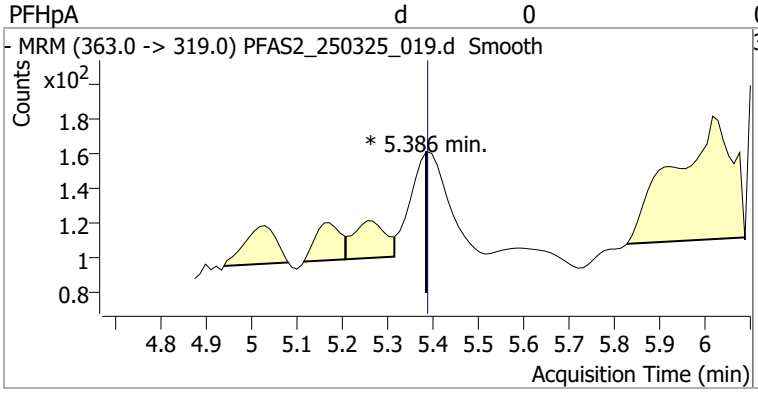
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

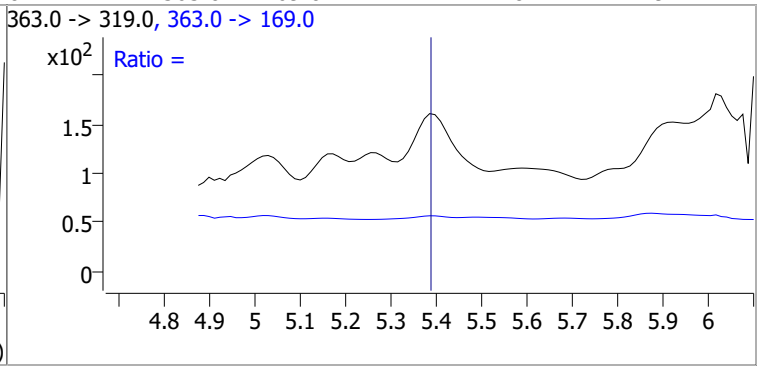


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5085	5.39	0.00	156842				

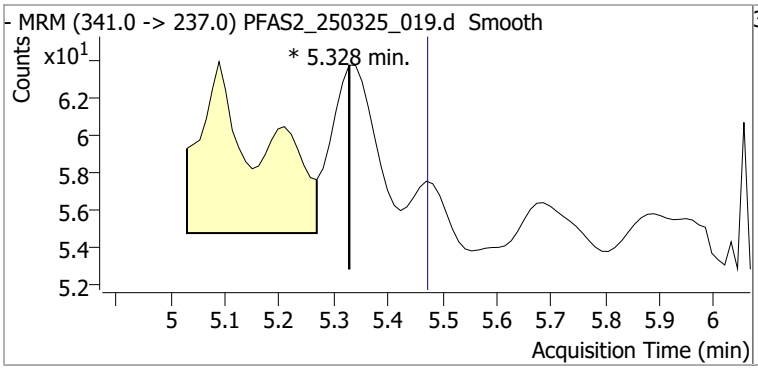


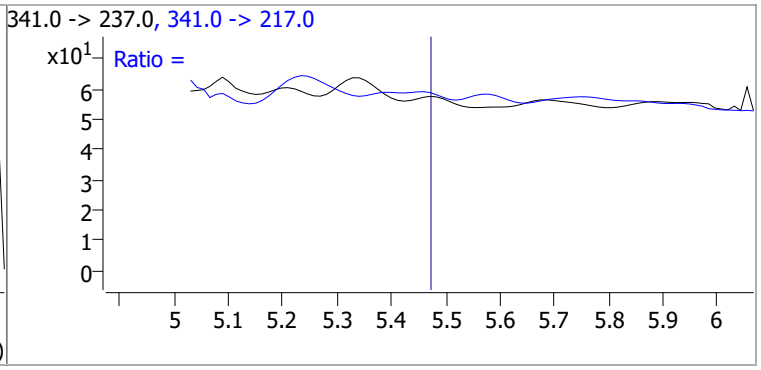
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



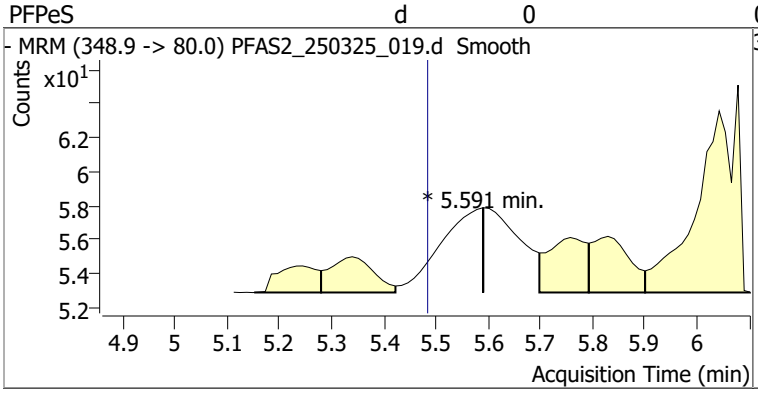


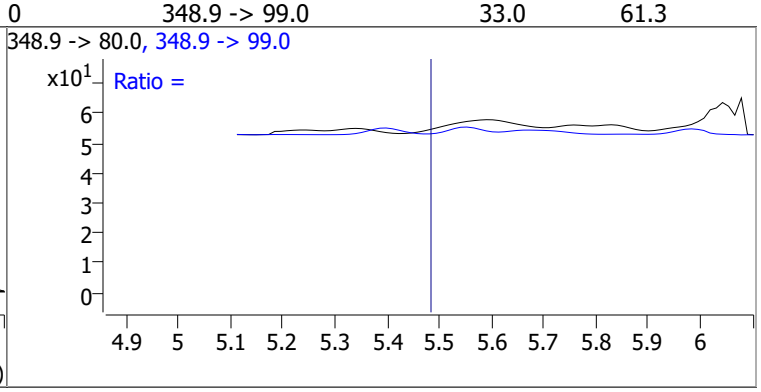
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



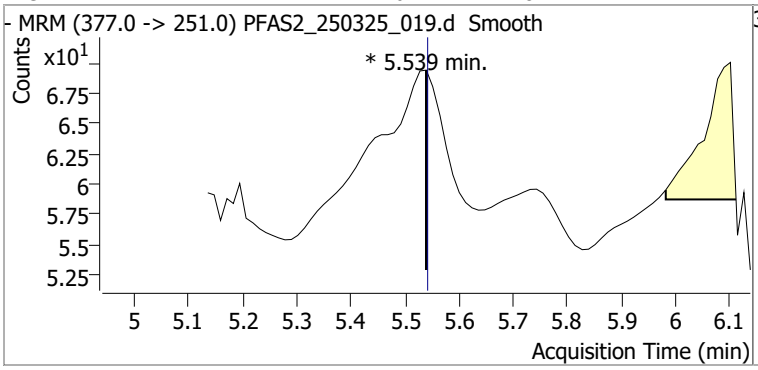


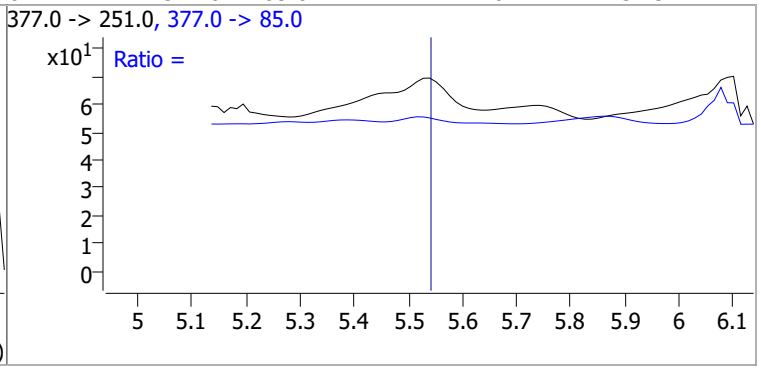
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



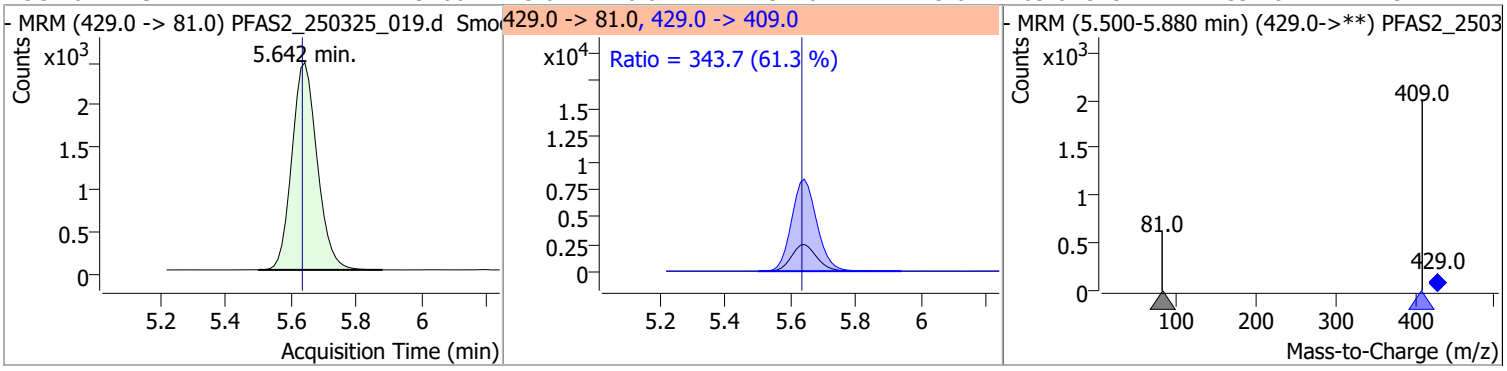


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

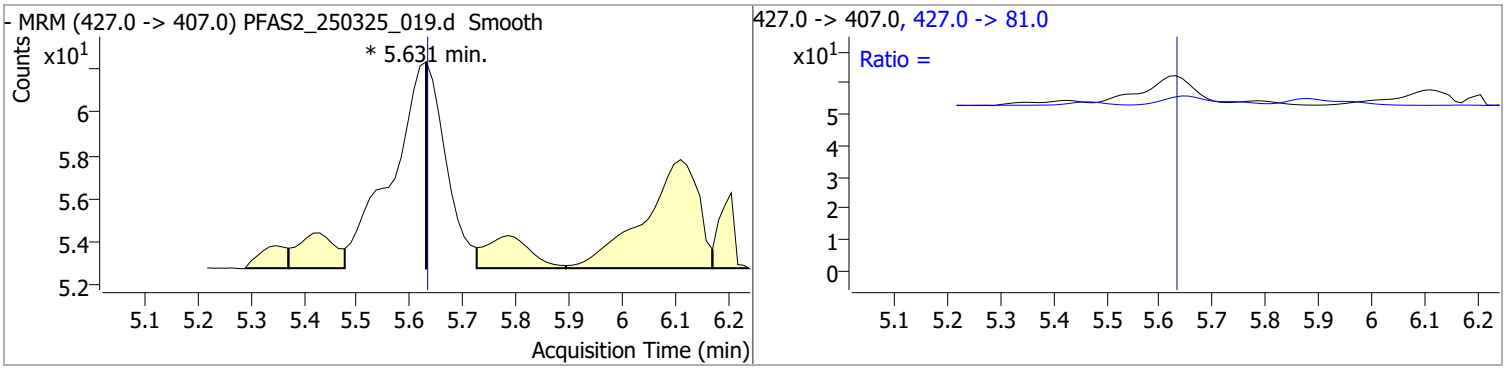




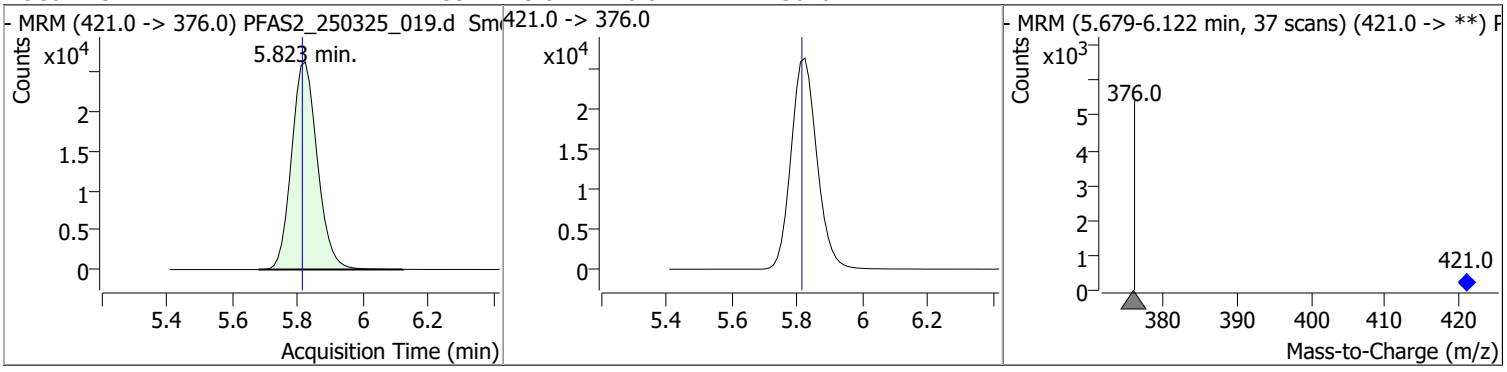
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9266	5.64	0.01	13210	429.0 -> 409.0	343.7	392.8	729.4



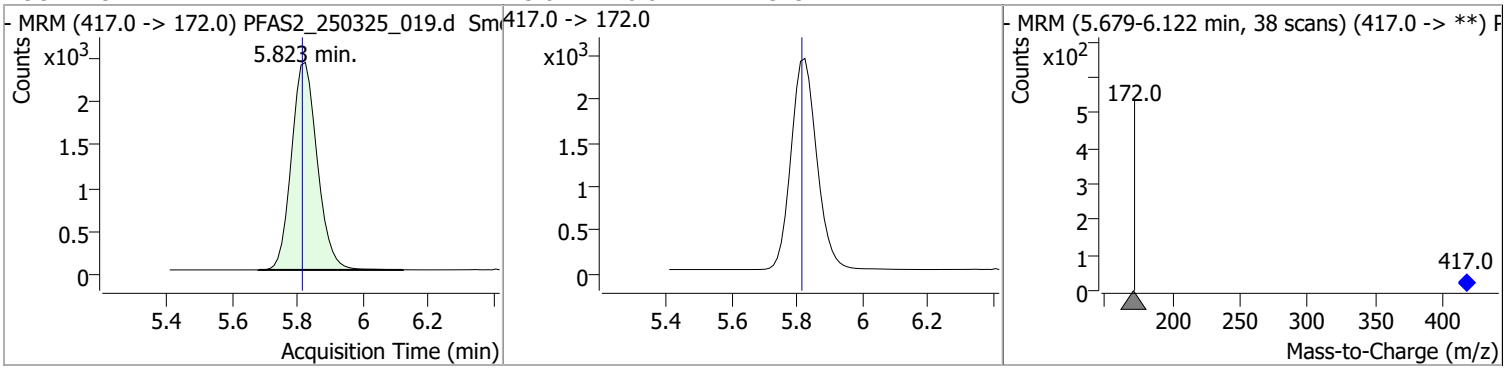
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



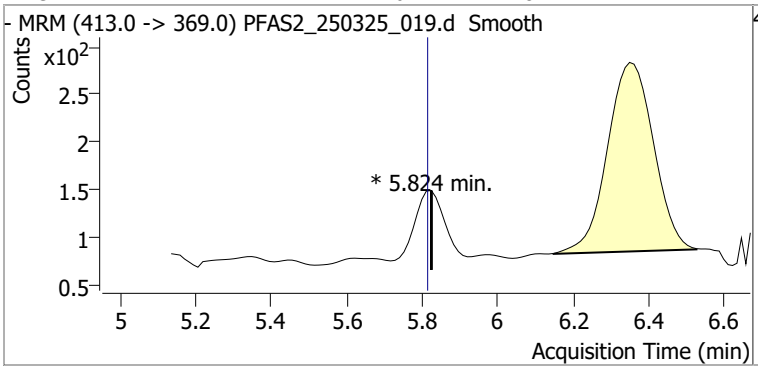
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4233	5.82	0.01	143610				

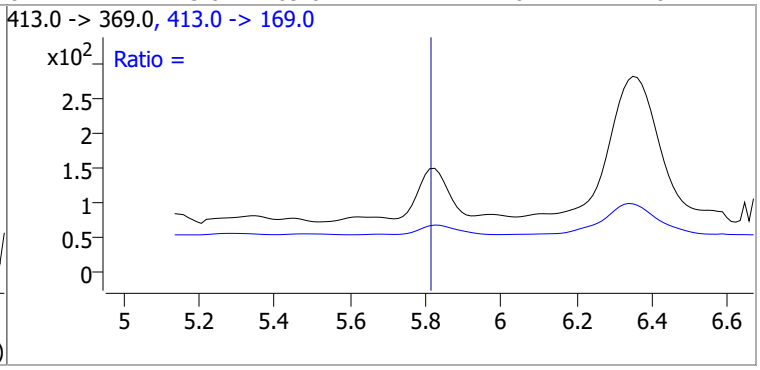


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13252				

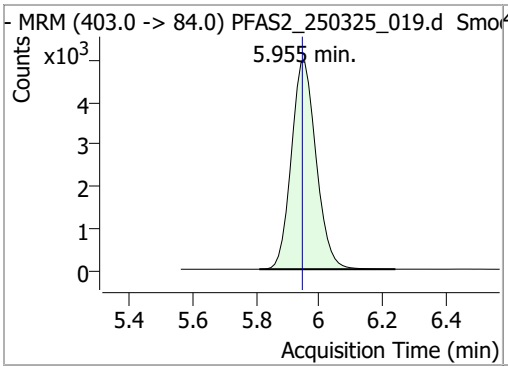


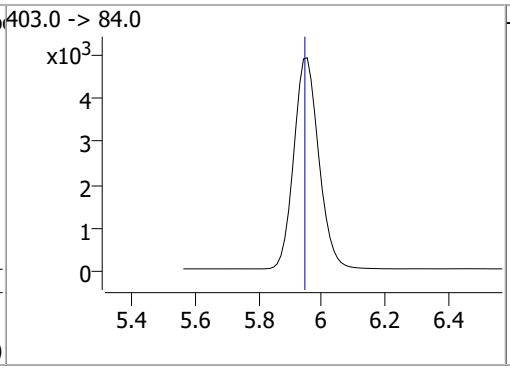
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	d	0		0	413.0 -> 169.0		14.6	27.0

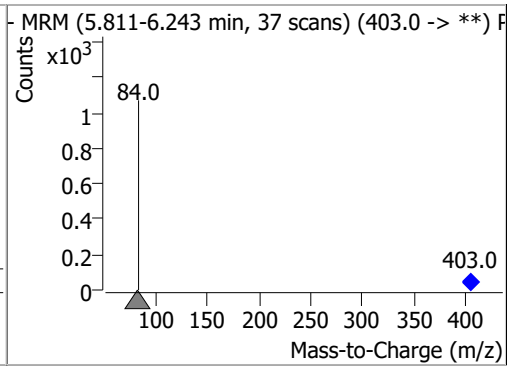




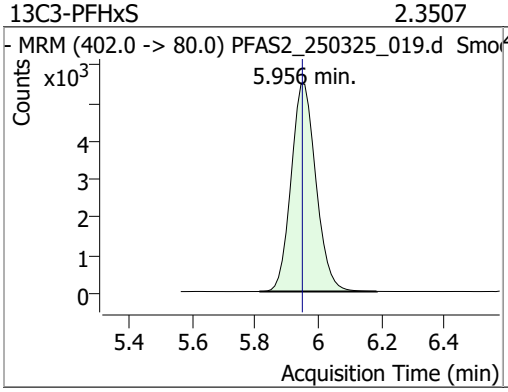
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	26926				

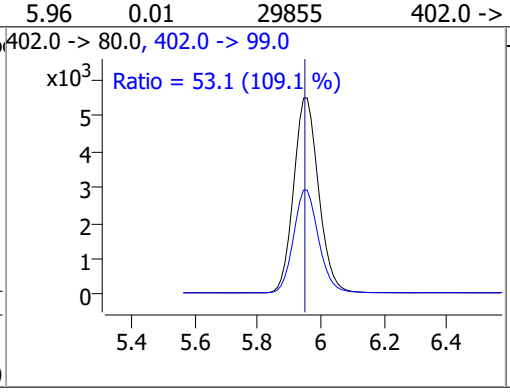


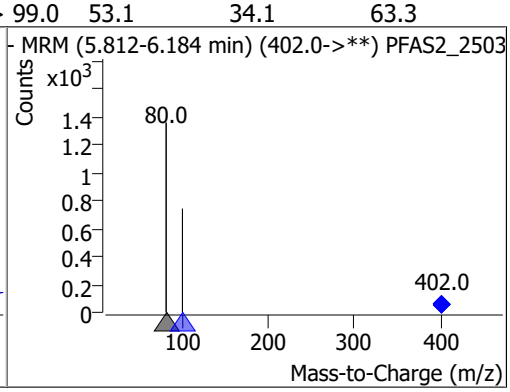




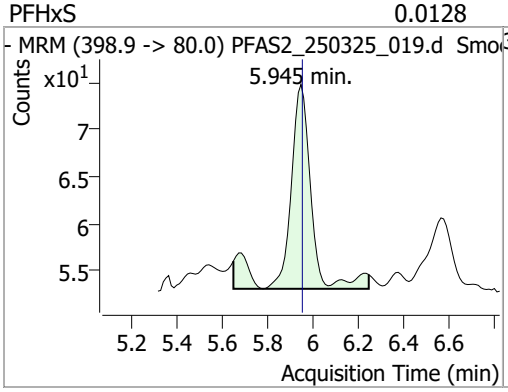
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3507	5.96	0.01	29855	402.0 -> 99.0	53.1	34.1	63.3

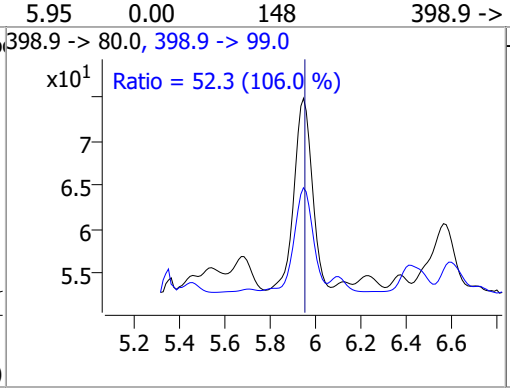


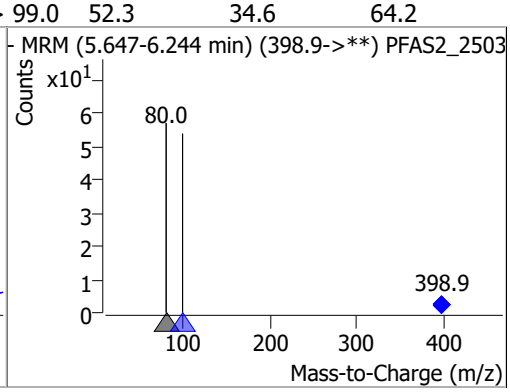




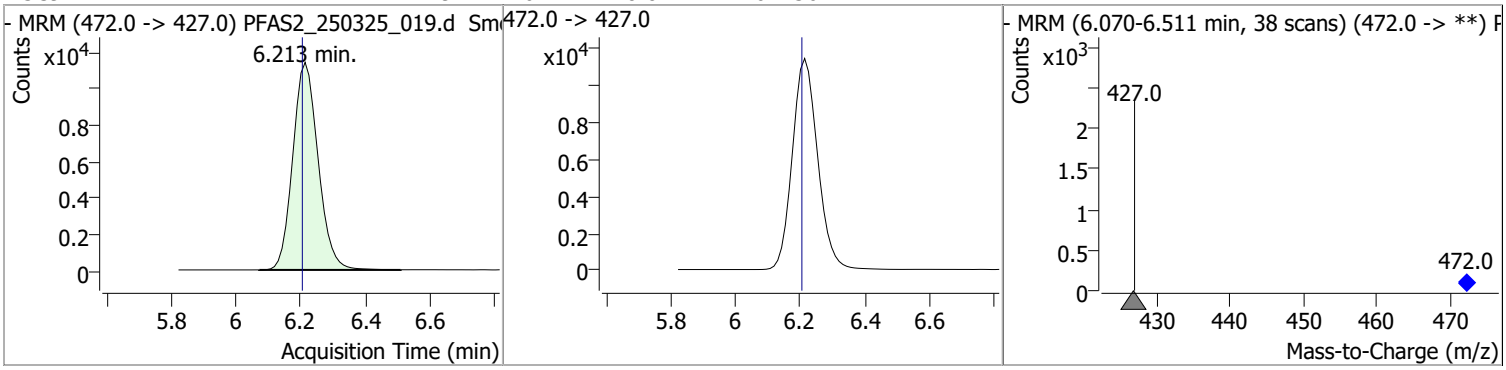
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.95	0.00	148	398.9 -> 99.0	52.3	34.6	64.2



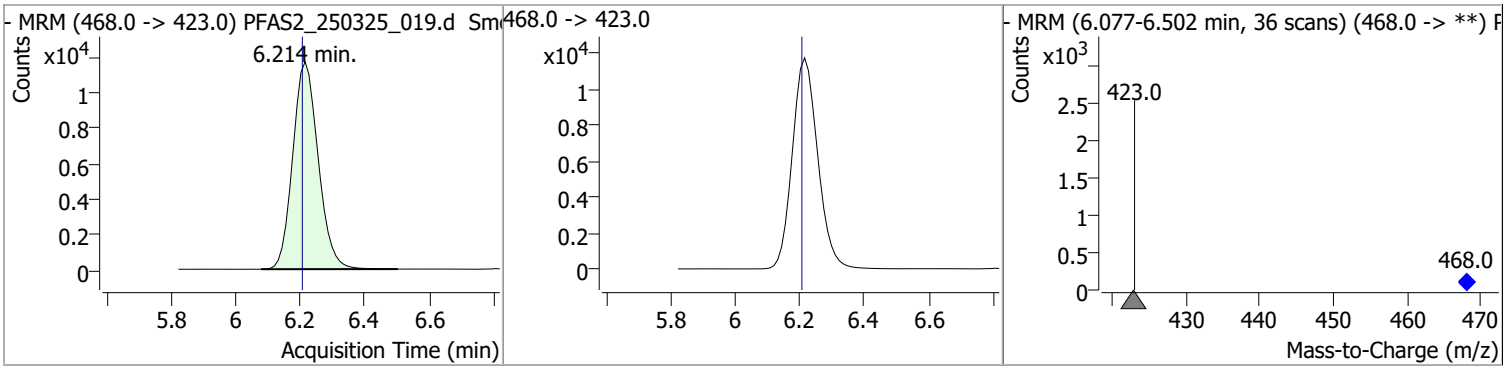




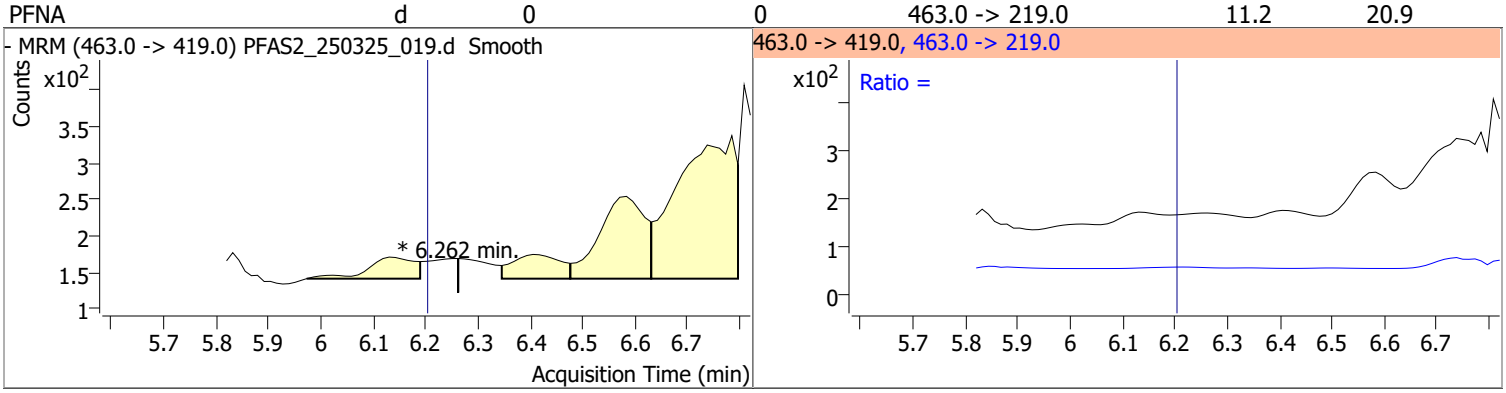
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2291	6.21	0.01	62436				



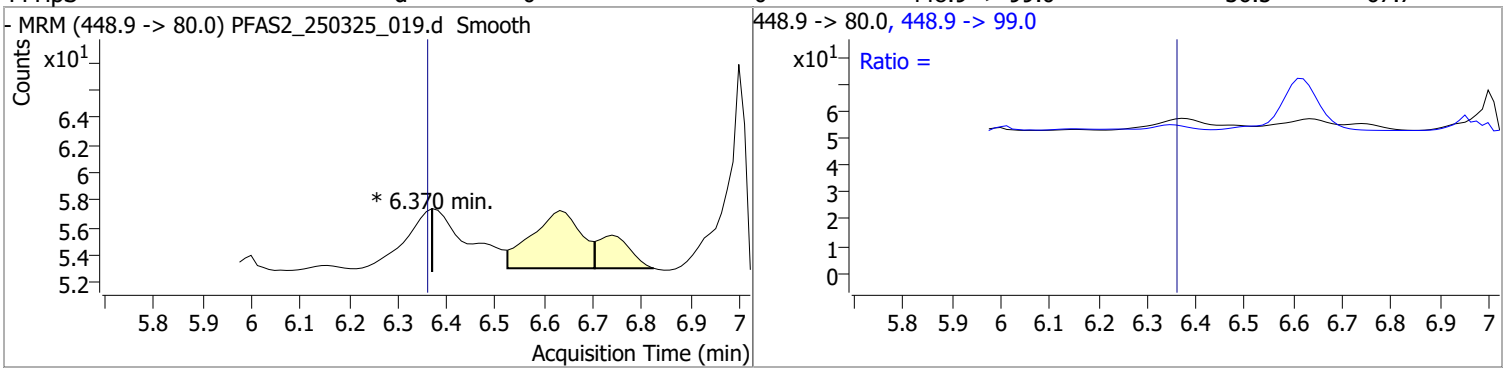
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	64107				



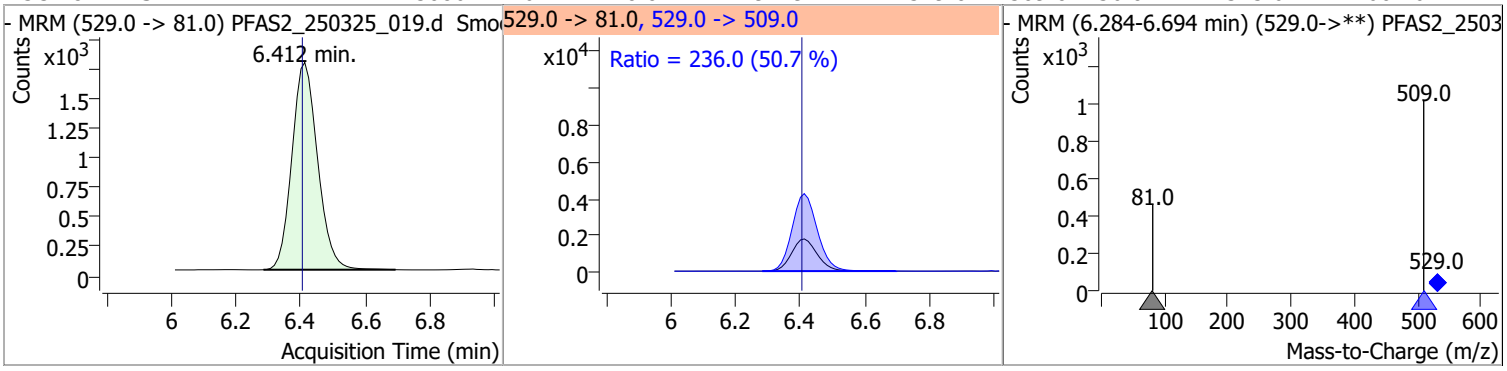
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



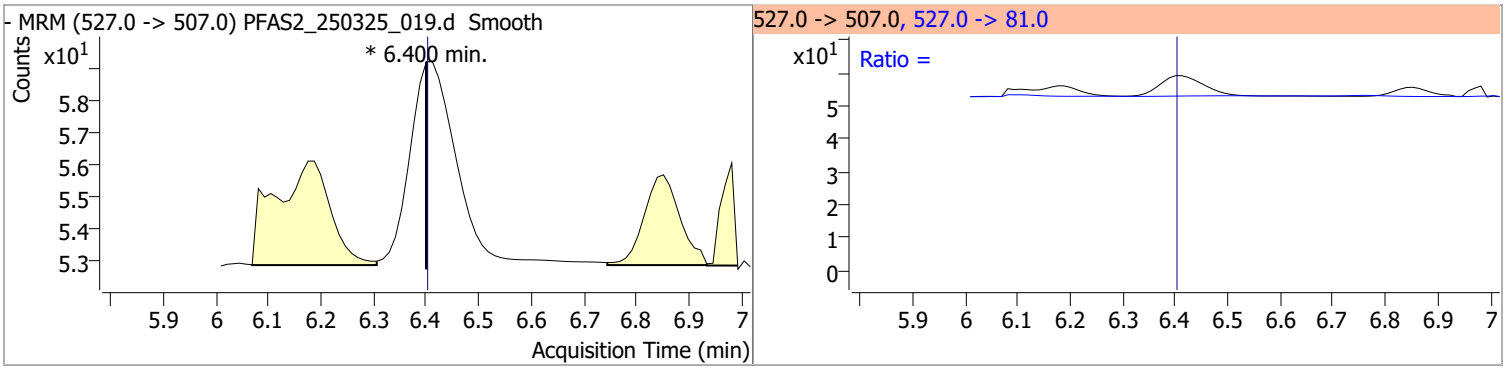
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



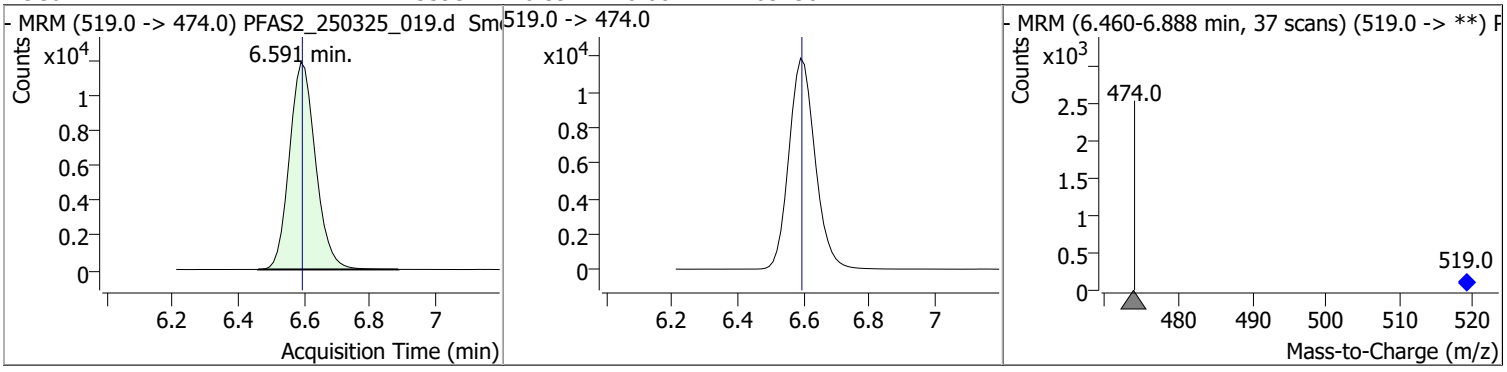
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5086	6.41	0.01	9719	529.0 -> 509.0	236.0	325.6	604.6



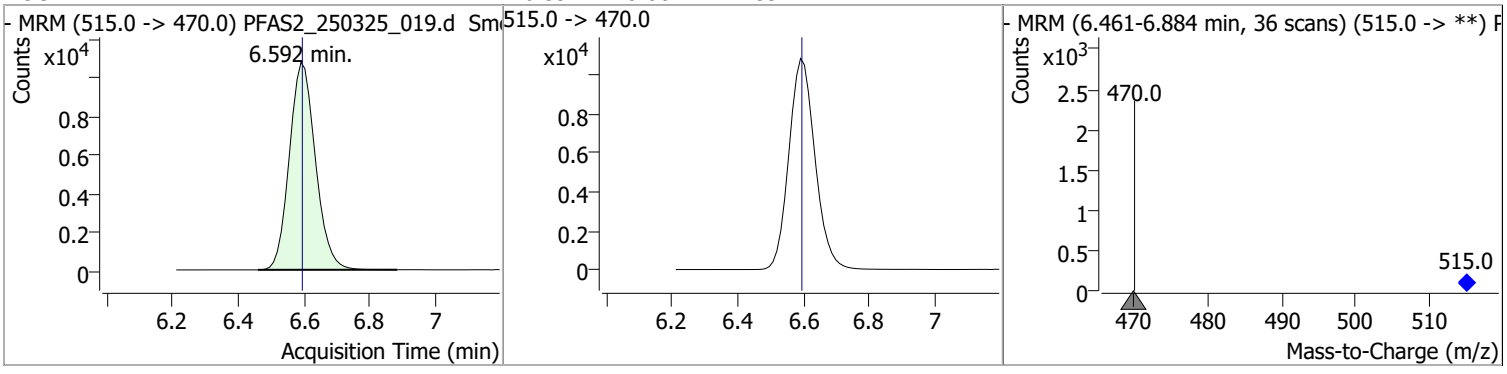
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



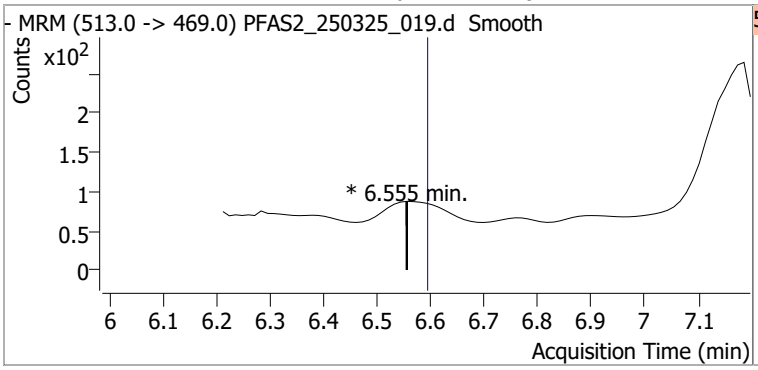
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3593	6.59	0.00	65458				

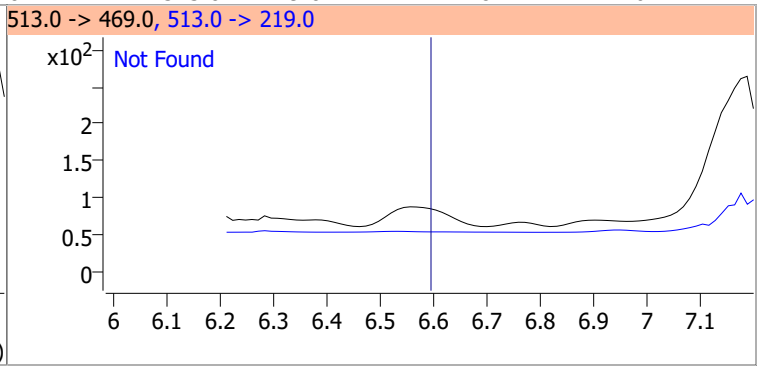


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59177				

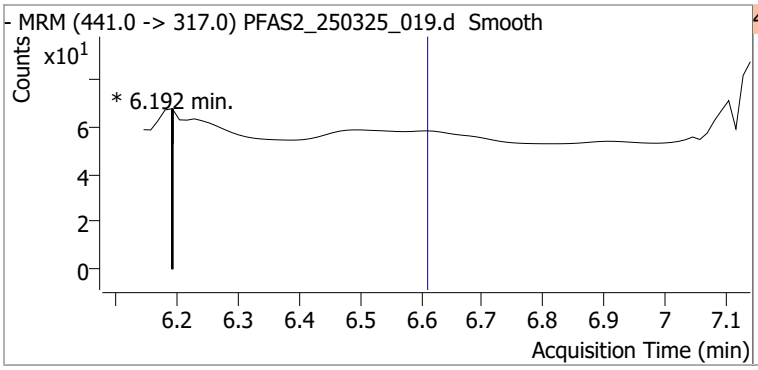


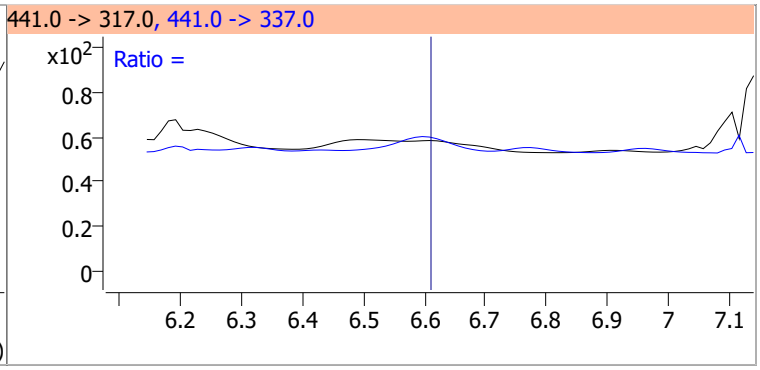
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



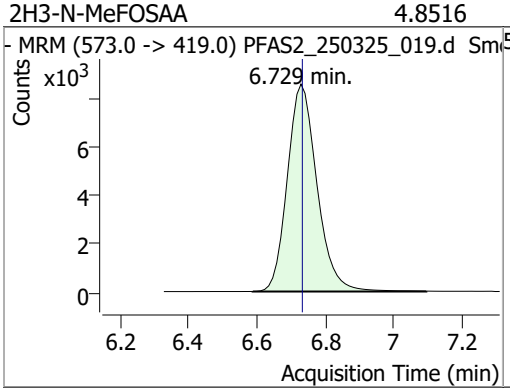


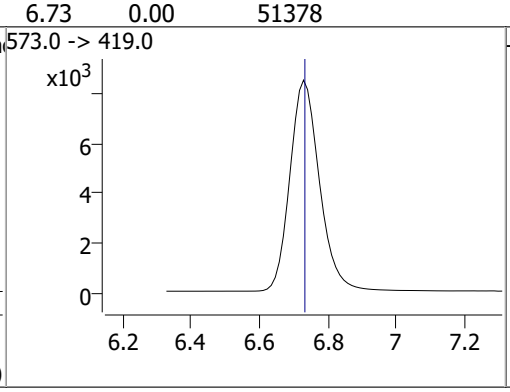
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

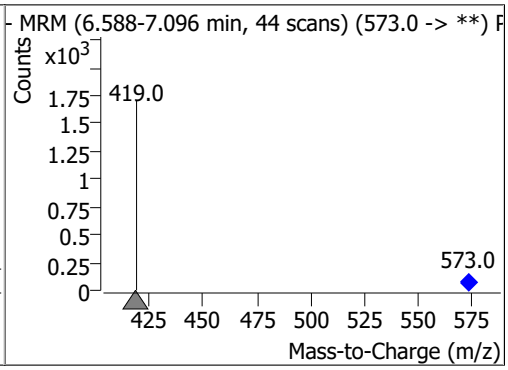




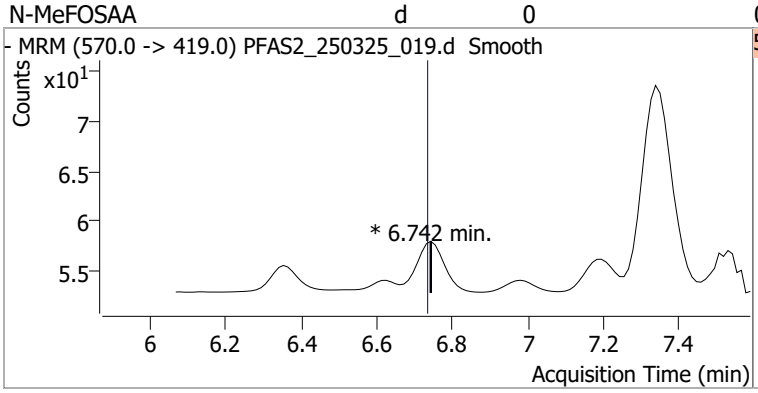
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8516	6.73	0.00	51378				

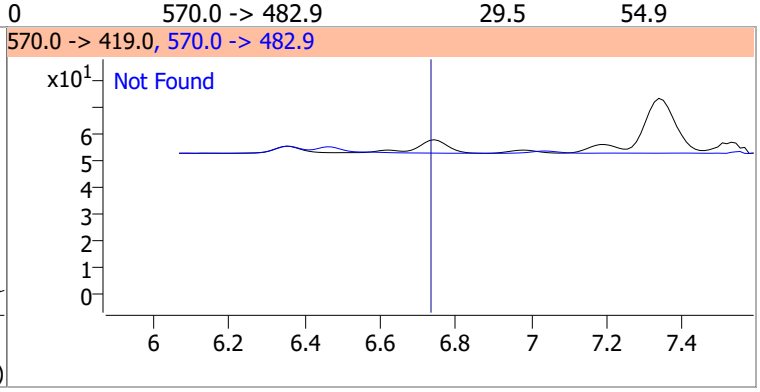




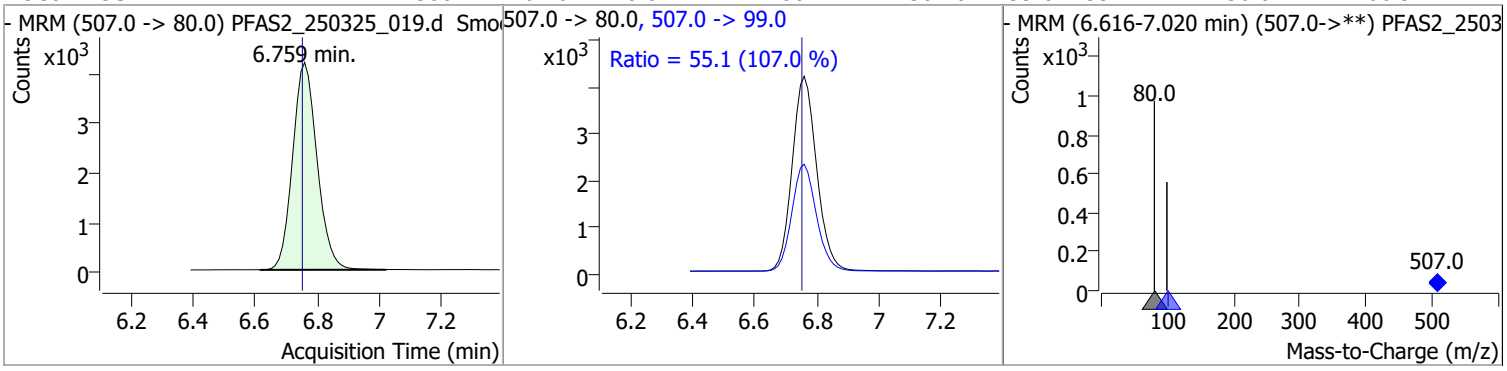


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

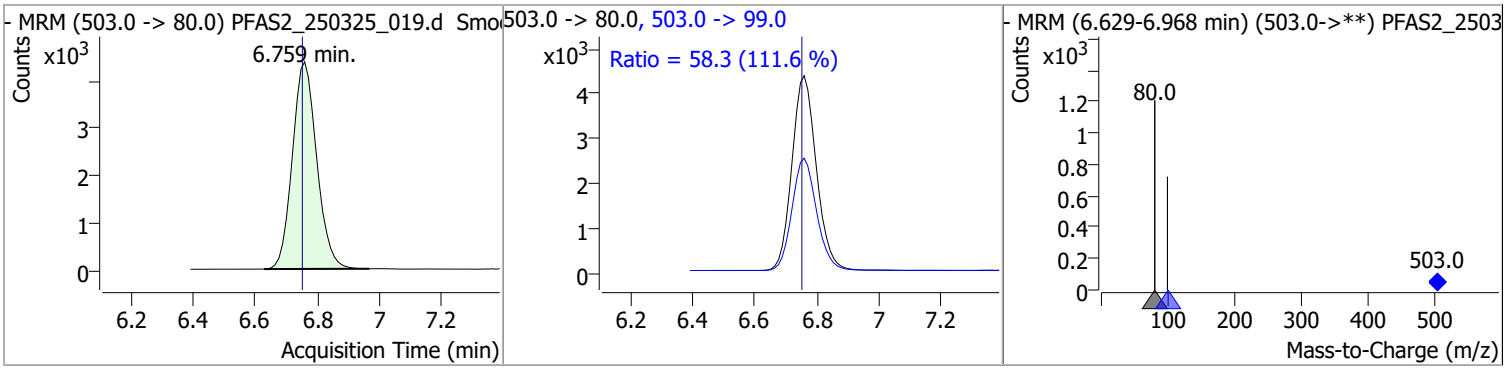




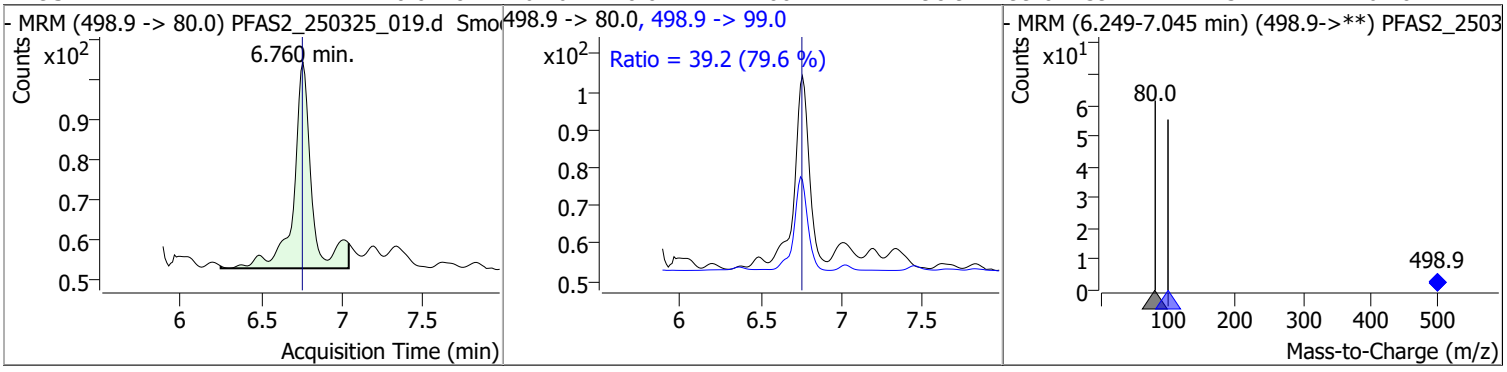
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3804	6.76	0.01	22801	507.0 -> 99.0	55.1	36.0	66.9



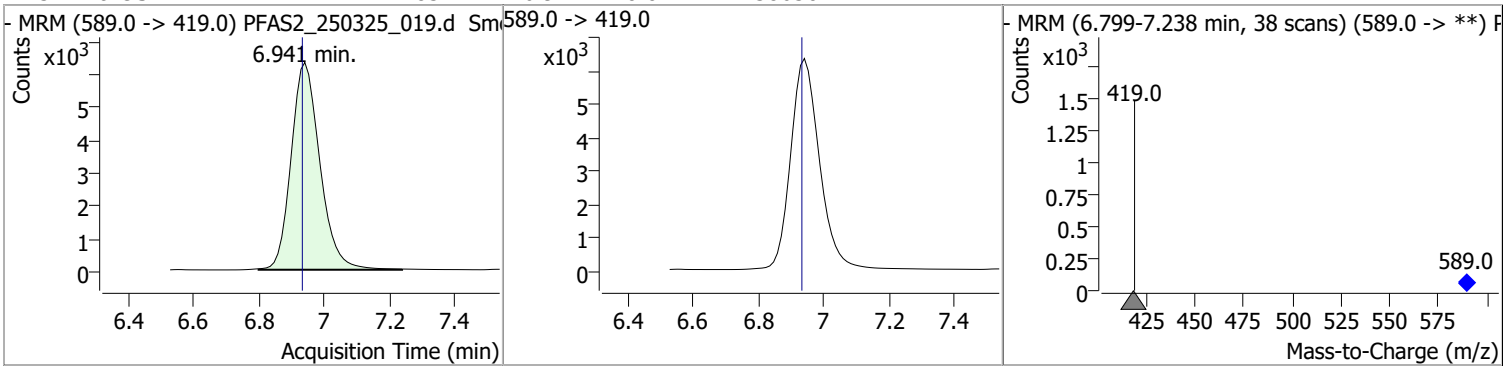
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23602	503.0 -> 99.0	58.3	36.6	67.9



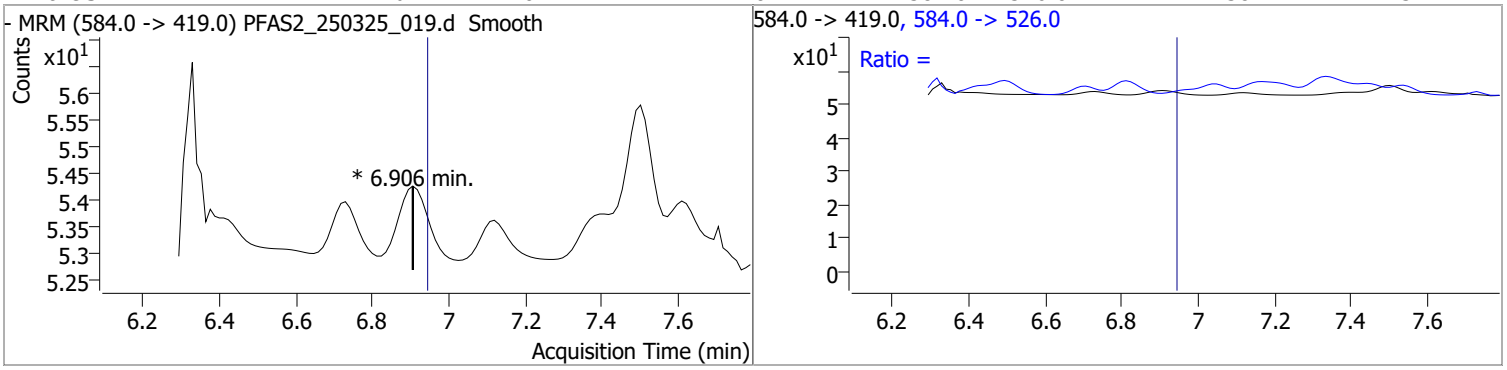
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0748	6.76	0.01	400	498.9 -> 99.0	39.2	34.4	64.0



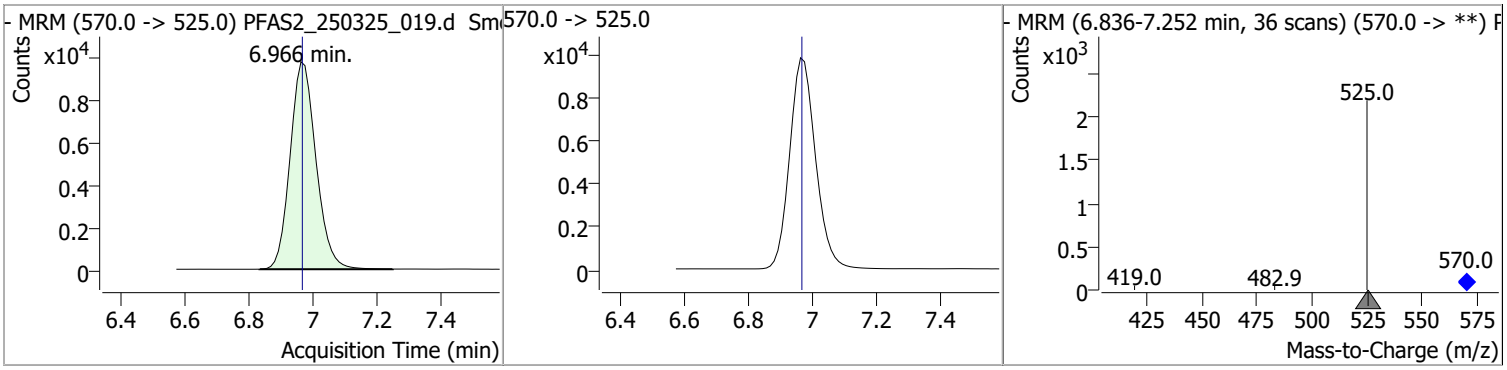
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8317	6.94	0.01	38630				



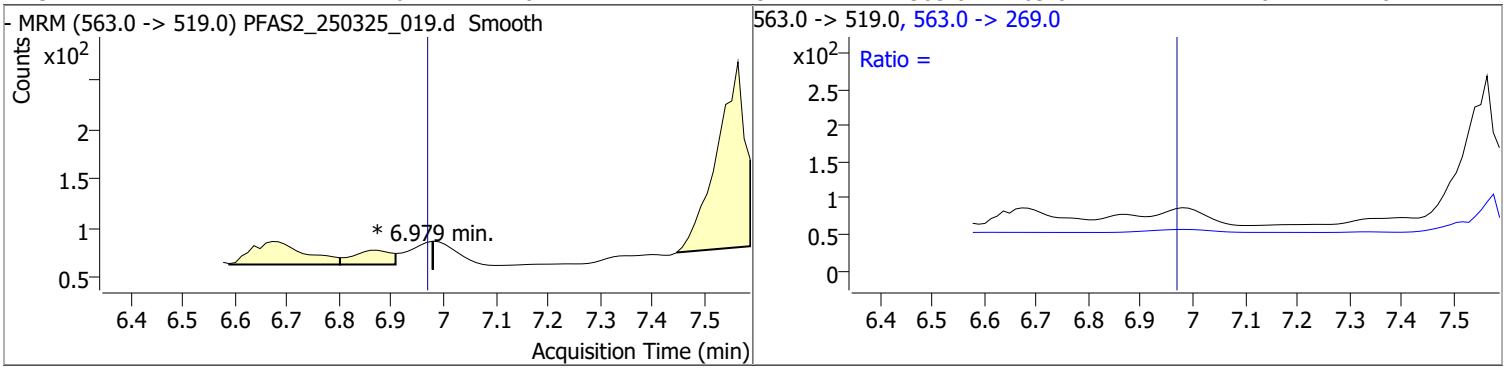
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



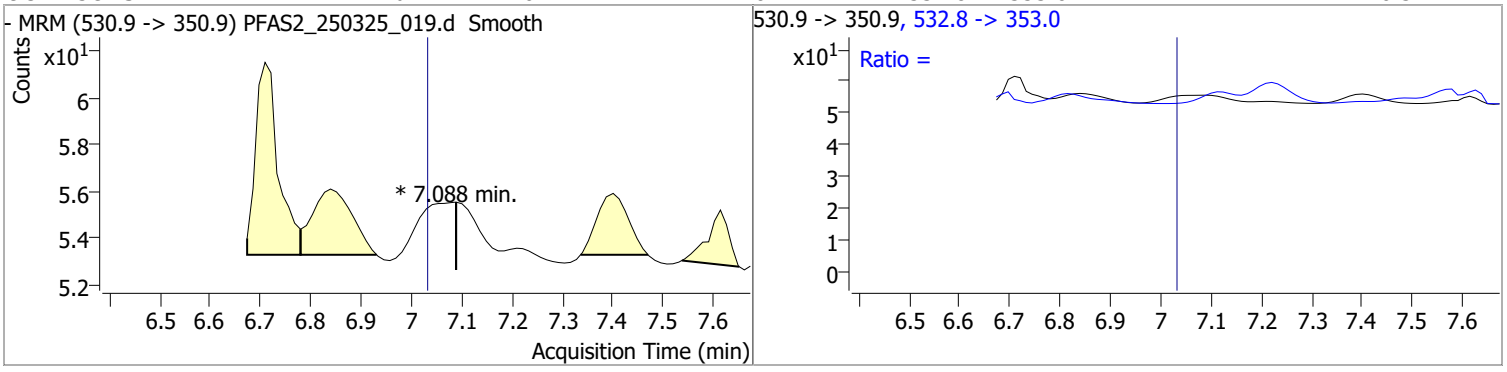
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.4525	6.97	0.00	55122				



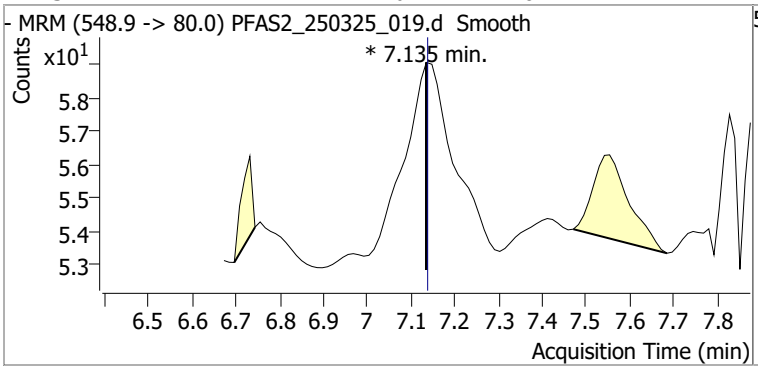
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4

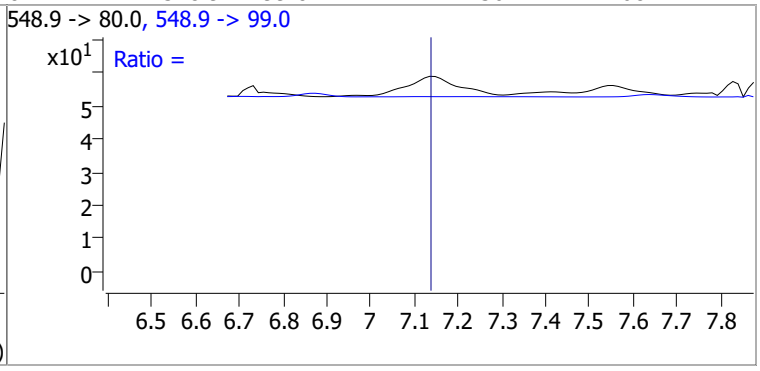


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

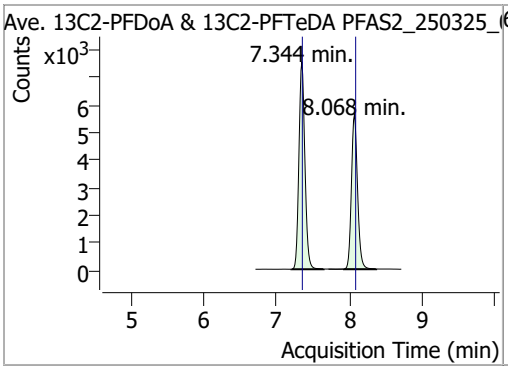


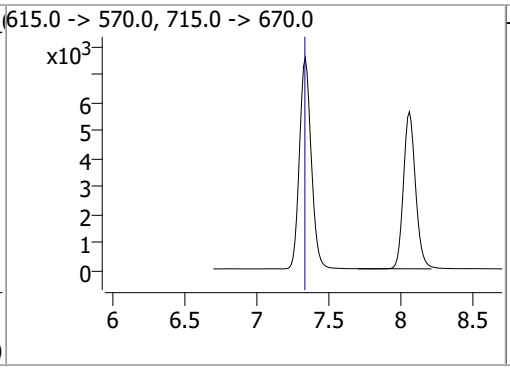
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

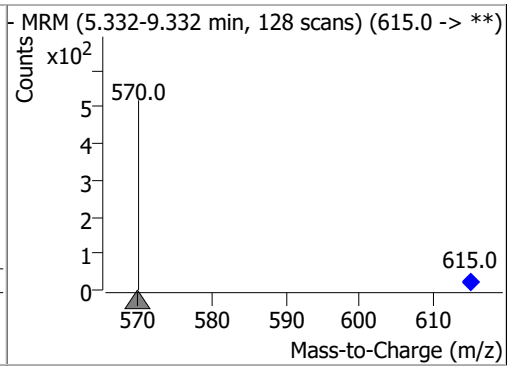




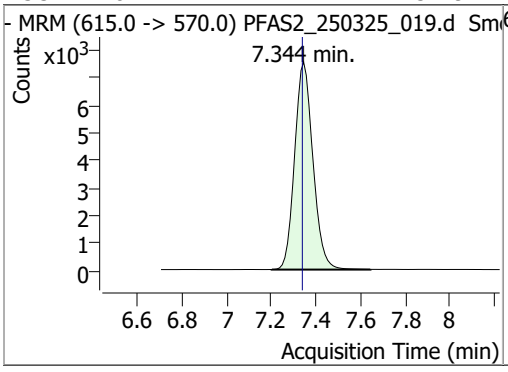
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2111	7.71	0.37	37884				

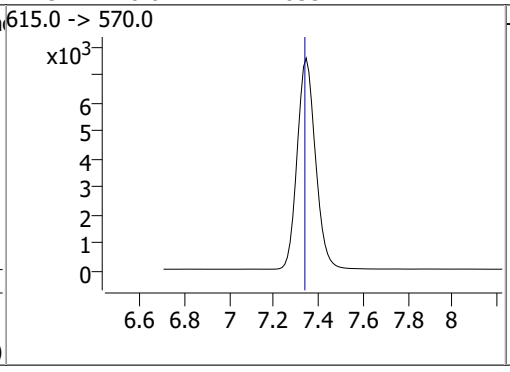


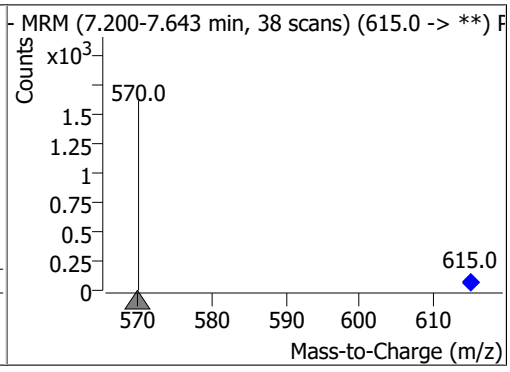




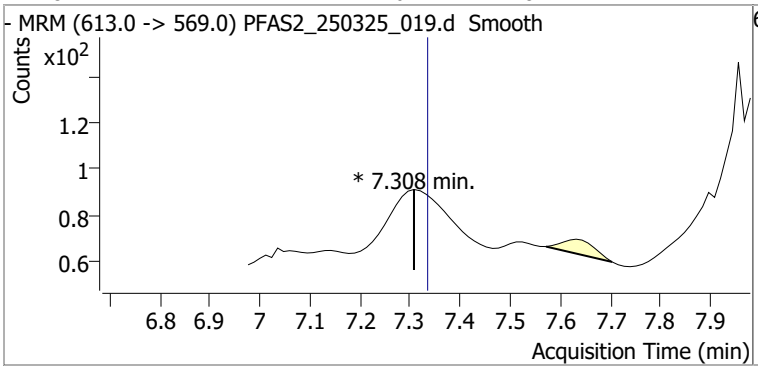
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.5149	7.34	0.01	42833				

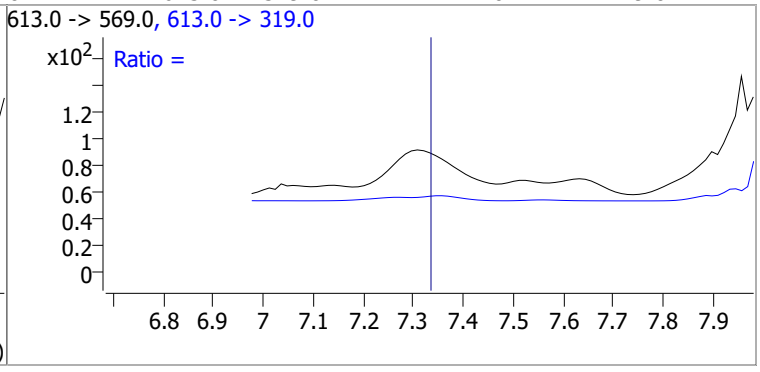




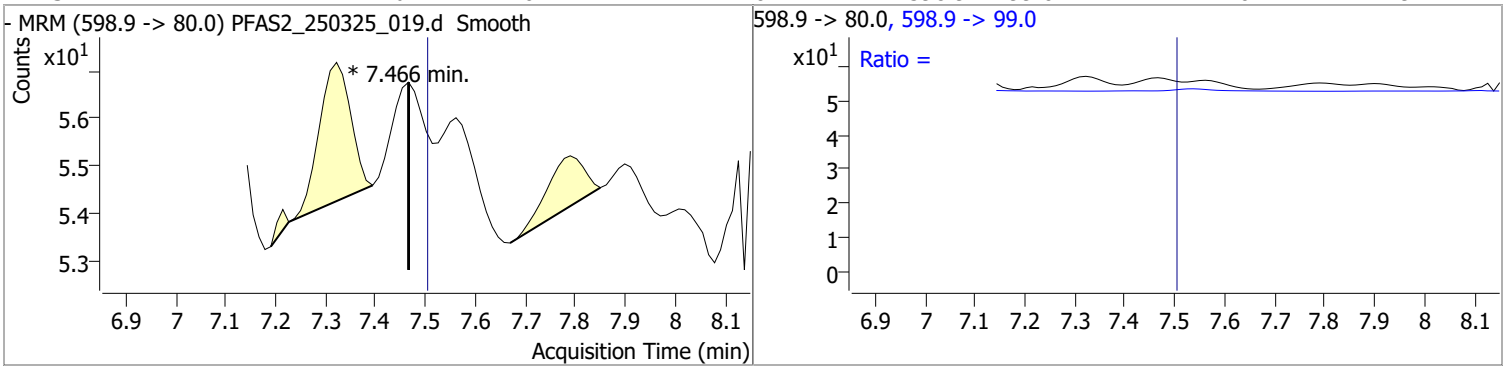


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

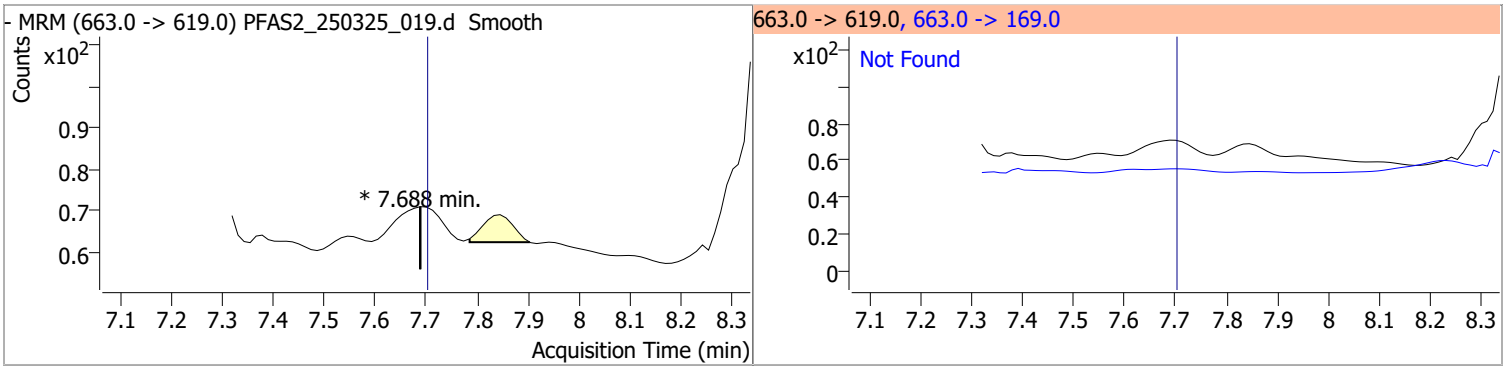




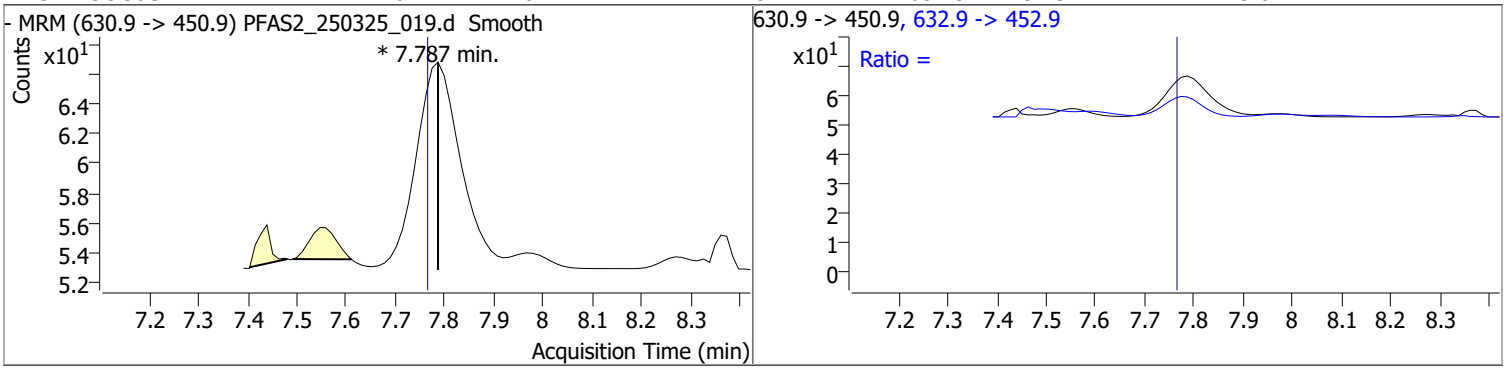
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



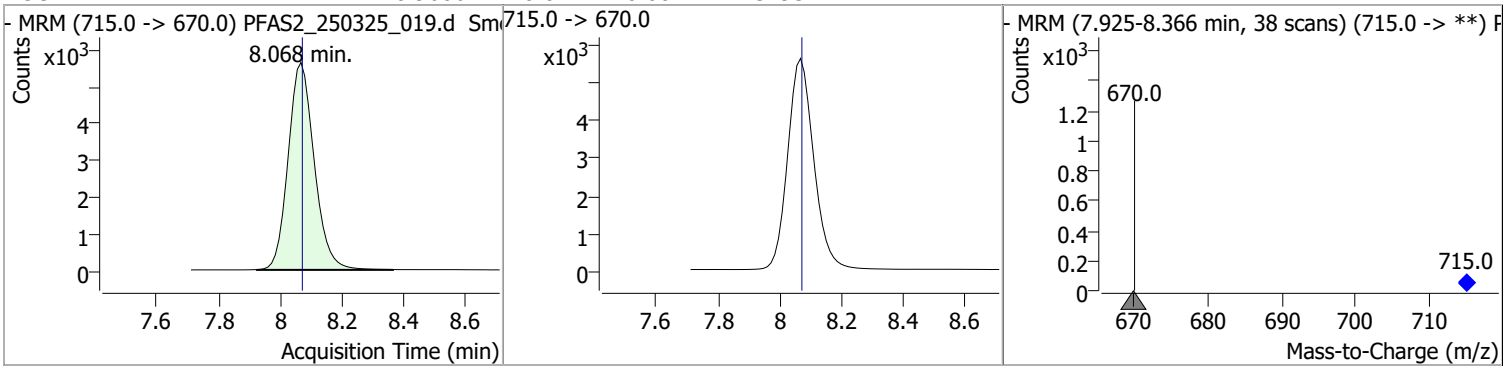
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



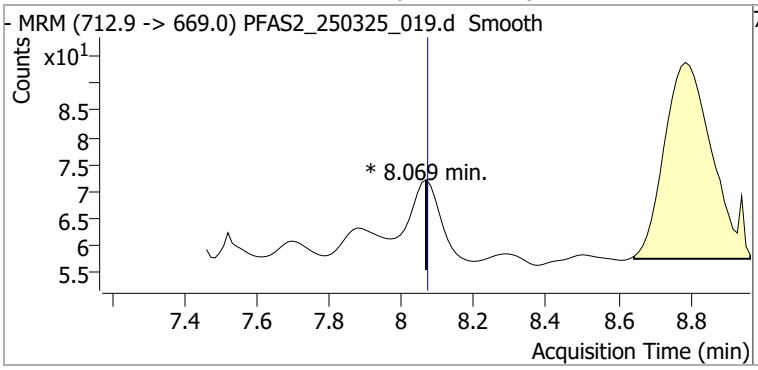
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

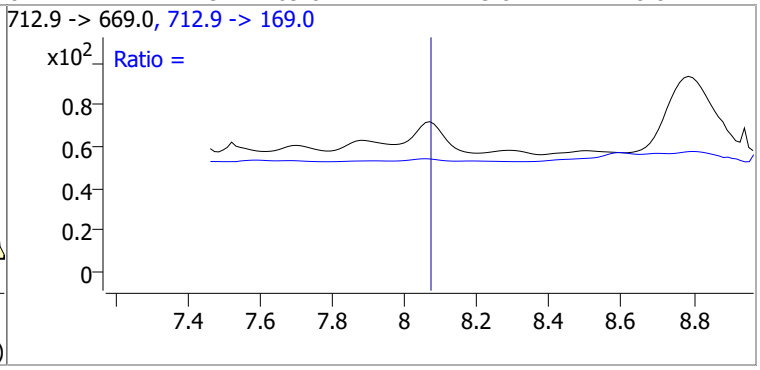


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9606	8.07	0.00	32934				

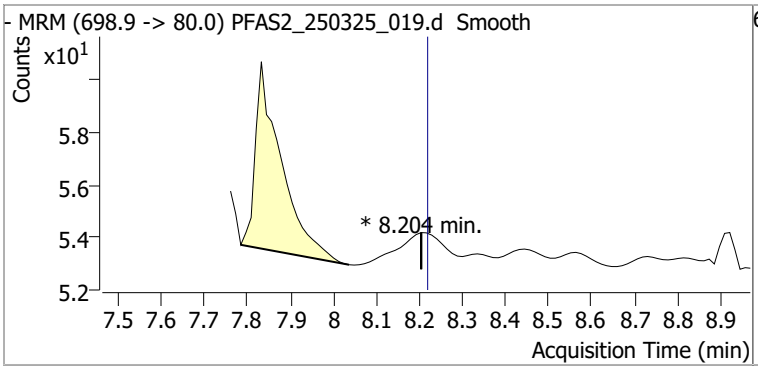


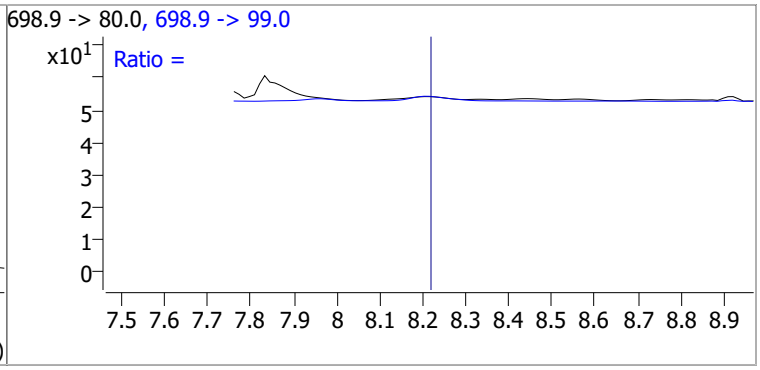
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



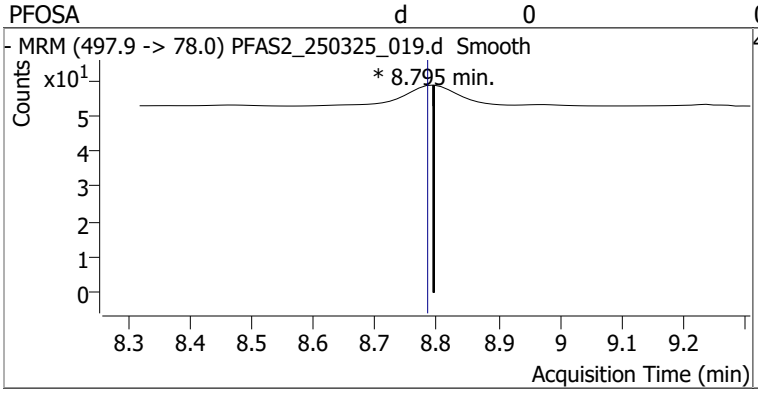


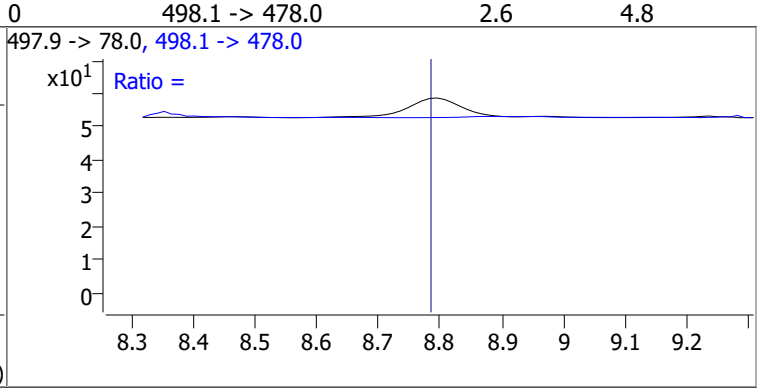
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



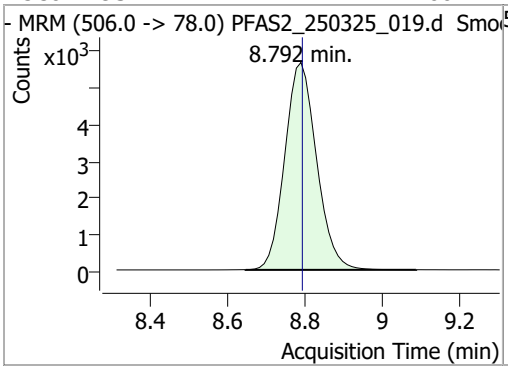


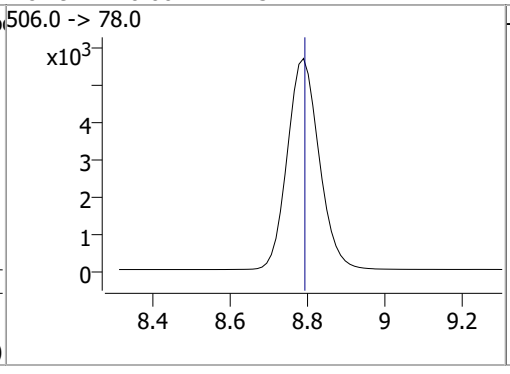
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

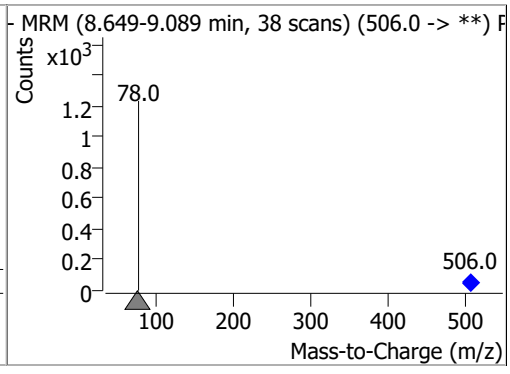




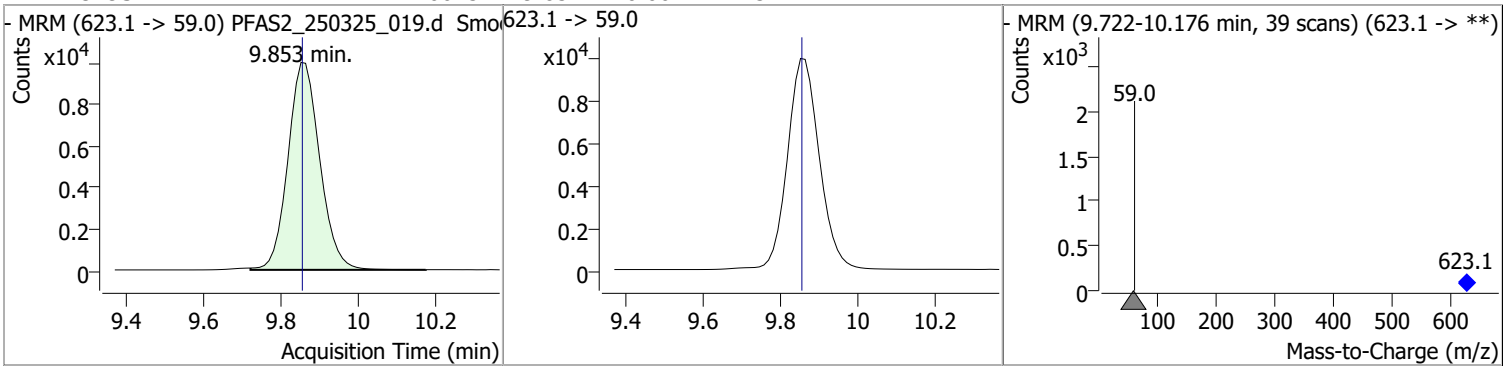
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2884	8.79	0.00	32122				



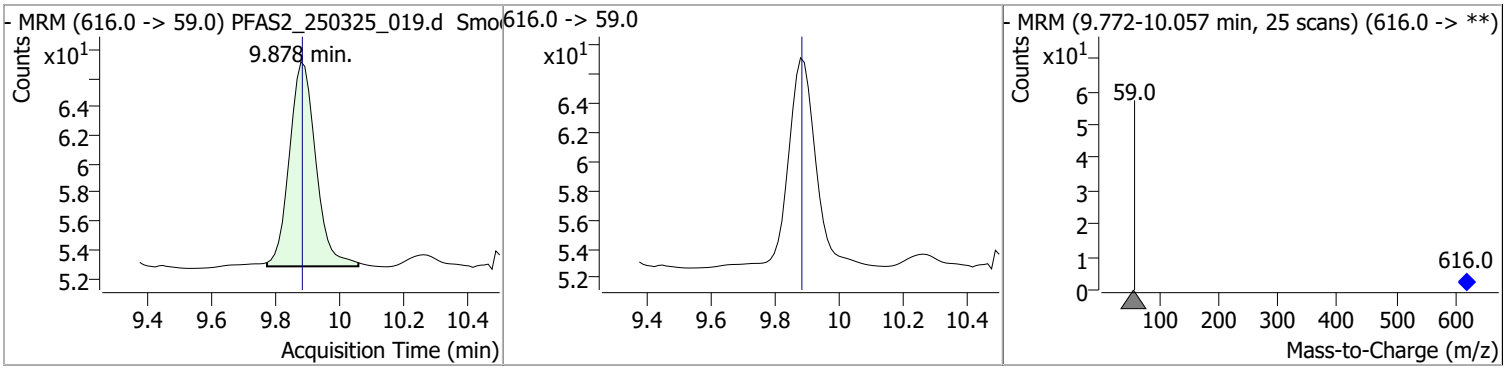




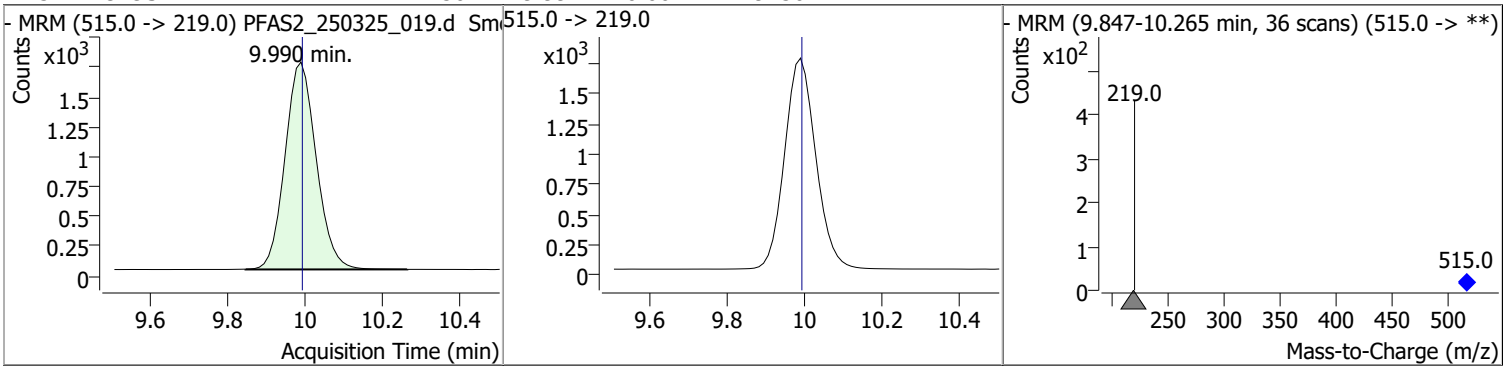
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.0045	9.85	0.00	57121				



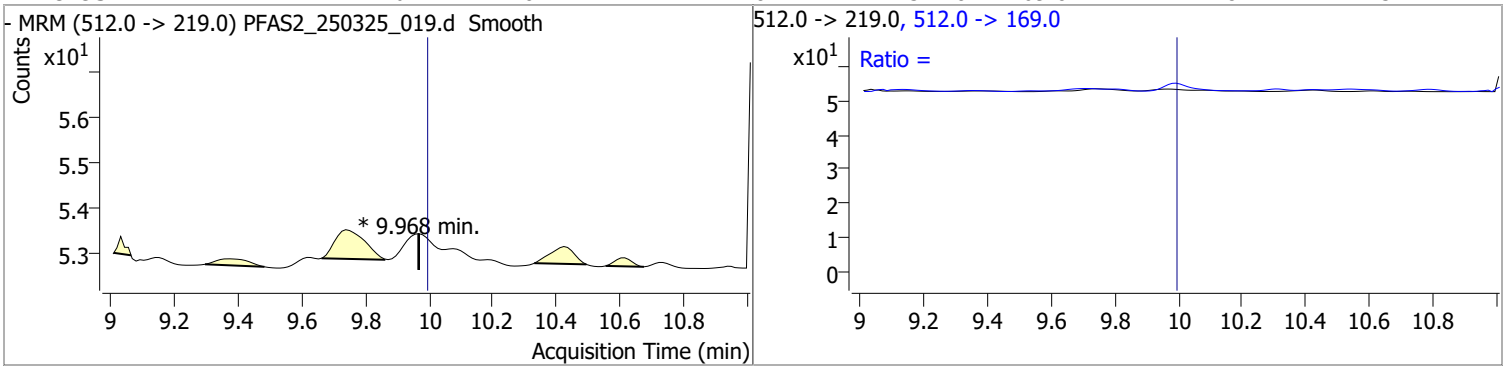
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0013	9.88	0.00	82				



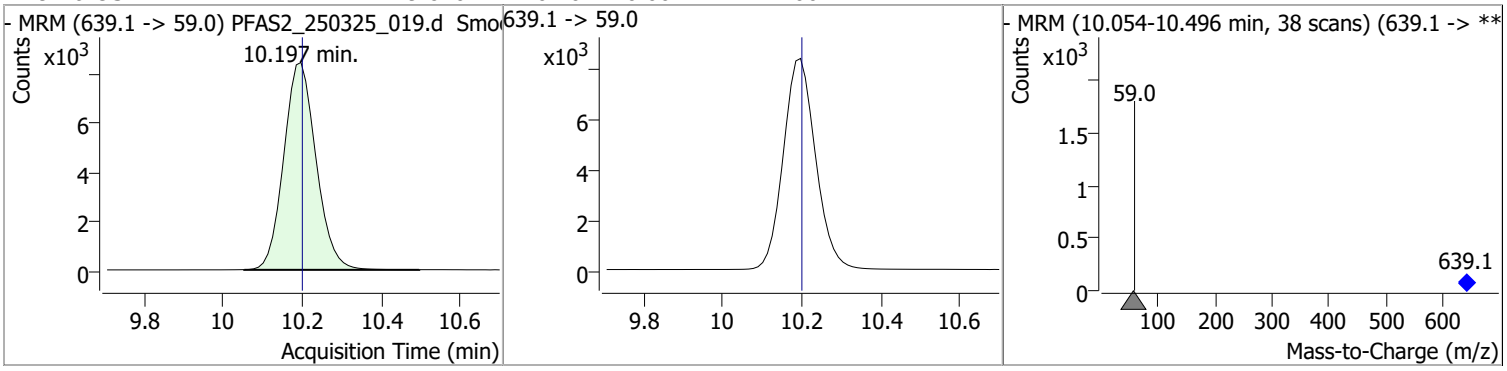
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4750	9.99	0.00	9750				



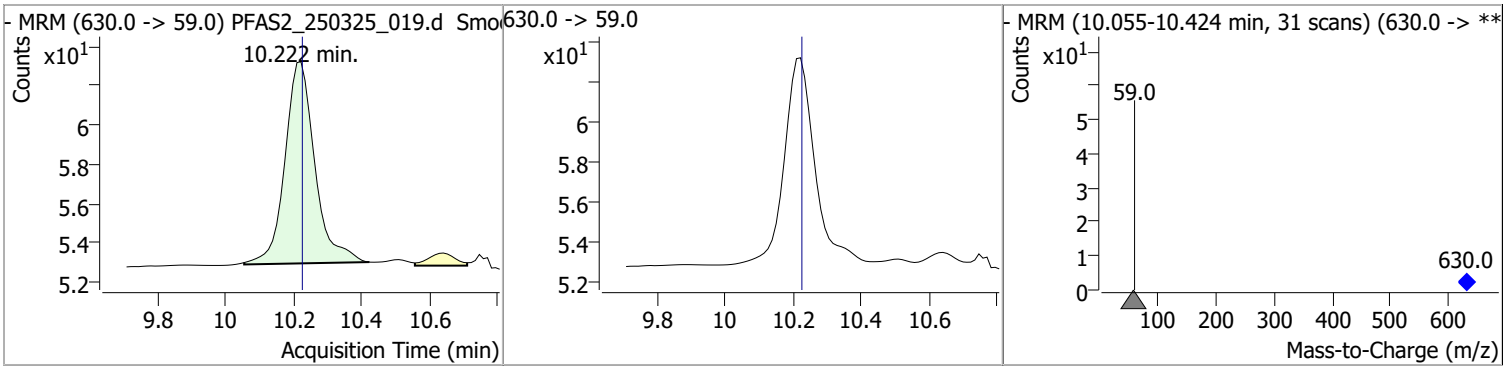
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



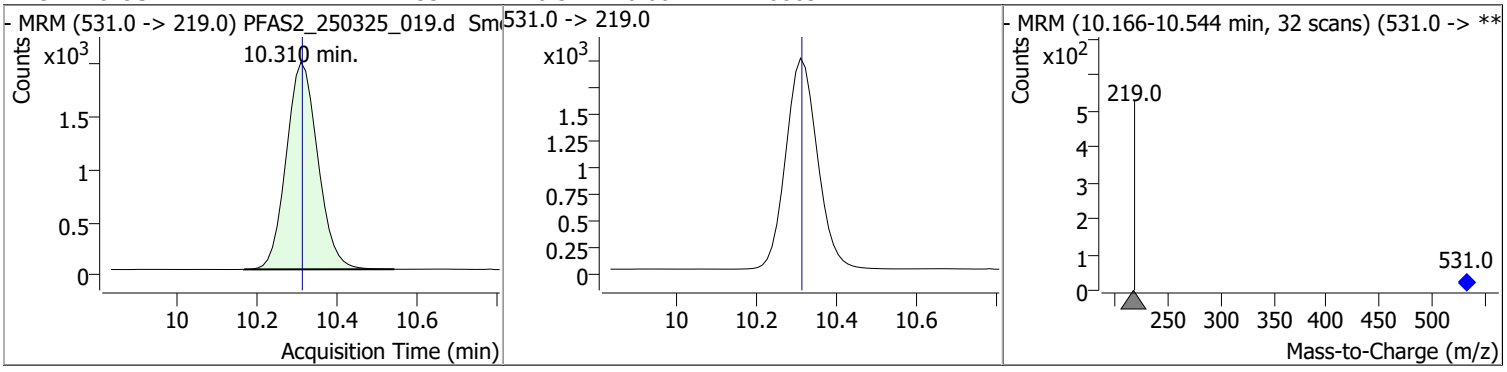
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.8101	10.20	0.00	47700				



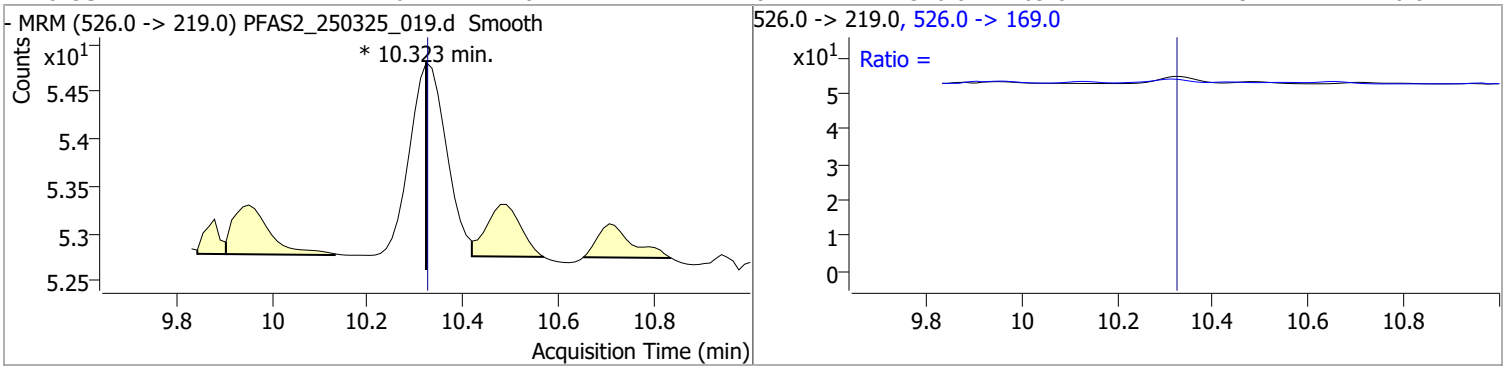
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0464	10.22	0.00	63				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5377	10.31	0.00	10809				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_019.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 7:03:49 PM
Sample Name	O25C0608-06	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

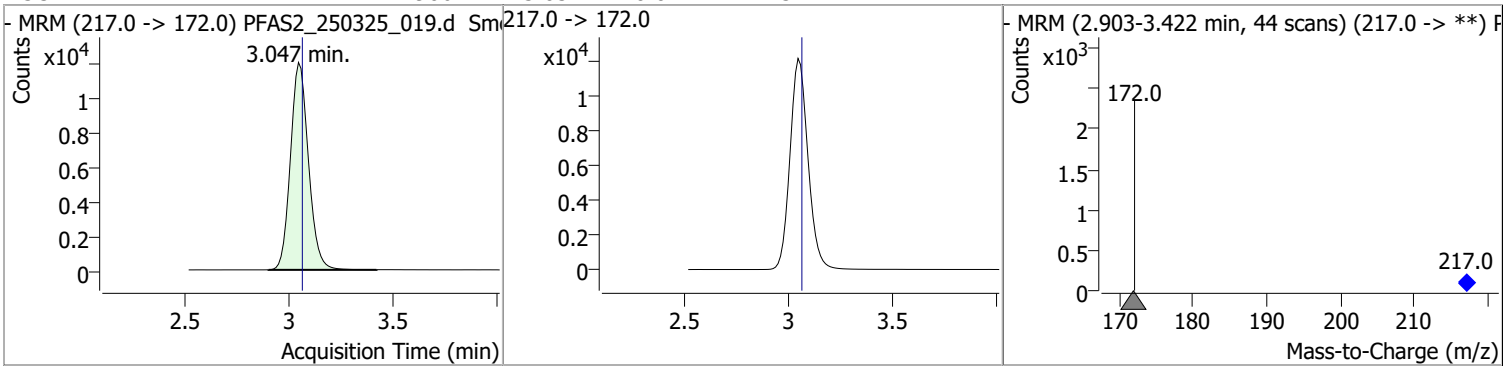
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	109798	5.0000	µg/L		-19.763
13C2-PFHxA	4.890	315.0 -> 270.0	127004	2.5000	µg/L		-17.220
18O2-PFHxS	5.955	403.0 -> 84.0	26926	2.5000	µg/L		-9.125
13C4-PFOA	5.823	417.0 -> 172.0	13252	2.5000	µg/L		-14.214
13C5-PFNA	6.214	468.0 -> 423.0	64107	1.2500	µg/L		-9.927
13C2-PFDA	6.592	515.0 -> 470.0	59177	1.2500	µg/L		-11.512
13C4-PFOS	6.759	503.0 -> 80.0	23602	2.5000	µg/L		-5.249
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	72512	10.0000	µg/L		-76.672
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 29.06%			
13C5-PFPeA	4.222	268.0 -> 223.0	162840	5.0000	µg/L		-21.302
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	162840	5.0000	µg/L		-21.302
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.07%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	24534	5.0000	µg/L		-2.893
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.29%			
13C5-PFHxA	4.889	318.0 -> 273.0	135547	2.5000	µg/L		-19.721
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C5-PFHxA	4.889	318.0 -> 273.0	135547	2.5000	µg/L		-19.721
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C3-PFBS	4.929	302.0 -> 80.0	50281	2.5000	µg/L		-17.198
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.21%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	153753	10.0000	µg/L		-12.026
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 106.27%			
13C4-PFHpA	5.385	367.0 -> 322.0	156842	2.5000	µg/L		-16.965
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.34%			
13C3-PFHxS	5.956	402.0 -> 80.0	29855	2.5000	µg/L		-14.575
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.03%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13210	5.0000	µg/L	#	-10.556
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.53%			
13C8-PFOA	5.823	421.0 -> 376.0	143610	2.5000	µg/L		-16.863
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.93%			
13C3-PFHxS	5.956	402.0 -> 80.0	29855	2.5000	µg/L		-14.575
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.03%			
13C9-PFNA	6.213	472.0 -> 427.0	62436	1.2500	µg/L		-11.394
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.33%			
13C8-PFOS	6.759	507.0 -> 80.0	22801	2.5000	µg/L		-9.818
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.22%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9719	5.0000	µg/L	#	-17.951
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 90.17%			
13C6-PFDA	6.591	519.0 -> 474.0	65458	1.2500	µg/L		-3.682
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 108.75%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	51378	5.0000	µg/L		-7.956
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 97.03%			
13C8-PFOS	6.759	507.0 -> 80.0	22801	2.5000	µg/L		-9.818

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.22%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38630	5.0000	µg/L		-8.393
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.63%			
13C7-PFUnDA	6.966	570.0 -> 525.0	55122	1.2500	µg/L		2.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 116.20%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	37884	1.2500	µg/L		-14.126
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.89%			
13C2-PFDoDA	7.344	615.0 -> 570.0	42833	1.2500	µg/L		7.230
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 121.19%			
13C2-PFTDA	8.068	715.0 -> 670.0	32934	1.2500	µg/L		-31.793
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 76.85%			
13C8-PFOSA	8.792	506.0 -> 78.0	32122	2.5000	µg/L		-13.092
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.54%			
13C8-PFOSA	8.792	506.0 -> 78.0	32122	2.5000	µg/L		-13.092
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.54%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57121	25.0000	µg/L		-54.537
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 48.02%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9750	2.5000	µg/L		-5.976
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.00%			
2H9-EtFOSE	10.197	639.1 -> 59.0	47700	25.0000	µg/L		-24.892
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.24%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10809	2.5000	µg/L		-3.832
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.51%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	129	0.1014	µg/L		100
PFMPA	0.000		0	N.D.			
3-3 FTCA	3.742	241.0 -> 177.0	2	0.0000	µg/L	#	1
PFPeA	4.223	263.0 -> 219.0	691	0.0475	µg/L	#	99
PFMBA	4.453	279.0 -> 85.0	4	0.0339	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	13	0.0008	µg/L		41
NFDHA	4.811	295.0 -> 201.0	24	0.0241	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	304	0.0063	µg/L		89
PFBS	5.049	298.9 -> 80.0	28	0.0013	µg/L		35
HFPO-DA	5.075	285.0 -> 169.0	68	0.0050	µg/L	#	1
PFEESA	5.201	314.9 -> 135.0	45	0.0522	µg/L	#	43
PFHpA	5.386	363.0 -> 319.0	333	0.0268	µg/L	#	71
5-3 FTCA	5.328	341.0 -> 237.0	60	0.1928	µg/L		77
PFPeS	5.591	348.9 -> 80.0	51	0.0032	µg/L	#	66
DONA	5.539	377.0 -> 251.0	74	0.0683	µg/L	#	74
6-2 FTSA	5.631	427.0 -> 407.0	66	0.1171	µg/L		86
PFOA	5.824	413.0 -> 369.0	359	0.0426	µg/L	#	86
PFHxS	5.945	398.9 -> 80.0	148	0.0128	µg/L		96
PFNA	6.262	463.0 -> 419.0	228	0.0114	µg/L		62
PFHpS	6.370	448.9 -> 80.0	37	0.0039	µg/L	#	49
8-2 FTSA	6.400	527.0 -> 507.0	39	0.0812	µg/L		47
PFDA	6.555	513.0 -> 469.0	157	0.0001	µg/L		68
7-3 FTCA	6.192	441.0 -> 317.0	43	0.2594	µg/L	#	3
N-MeFOSAA	6.742	570.0 -> 419.0	39	0.0124	µg/L		33
PFOS	6.760	498.9 -> 80.0	400	0.0748	µg/L		85
N-EtFOSAA	6.906	584.0 -> 419.0	17	0.0134	µg/L	#	1
PFUnDA	6.979	563.0 -> 519.0	142	0.0167	µg/L	#	84
9Cl-PF3ONS	7.088	530.9 -> 350.9	18	0.0653	µg/L	#	48
PFNS	7.135	548.9 -> 80.0	44	0.0057	µg/L	#	29
PFDoDA	7.308	613.0 -> 569.0	165	0.0053	µg/L		95

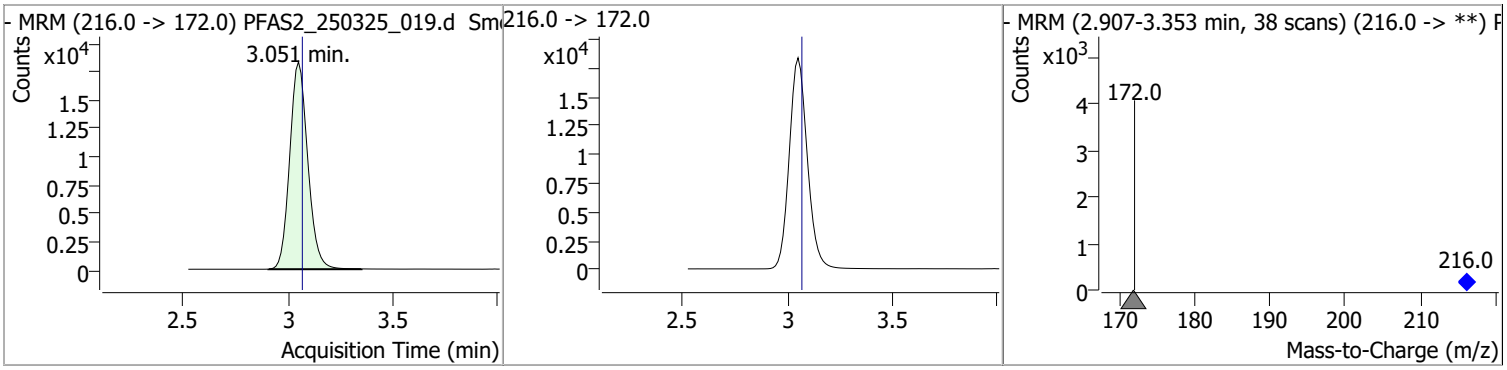
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	7	0.0012	µg/L	#	41
PFTrDA	7.688	663.0 -> 619.0	51	0.0018	µg/L		72
11Cl-PF3OUdS	7.787	630.9 -> 450.9	79	0.0039	µg/L	#	71
PFTDA	8.069	712.9 -> 669.0	105	0.0109	µg/L	#	92
PFDoS	8.204	698.9 -> 80.0	7	0.0017	µg/L	#	6
PFOSA	8.795	497.9 -> 78.0	35	0.0032	µg/L	#	93
MeFOSE	9.878	616.0 -> 59.0	82	0.0013	µg/L		100
N-MeFOSA	9.968	512.0 -> 219.0	5	0.0014	µg/L	#	1
EtFOSE	10.222	630.0 -> 59.0	63	0.0464	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	11	0.0026	µg/L		69

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

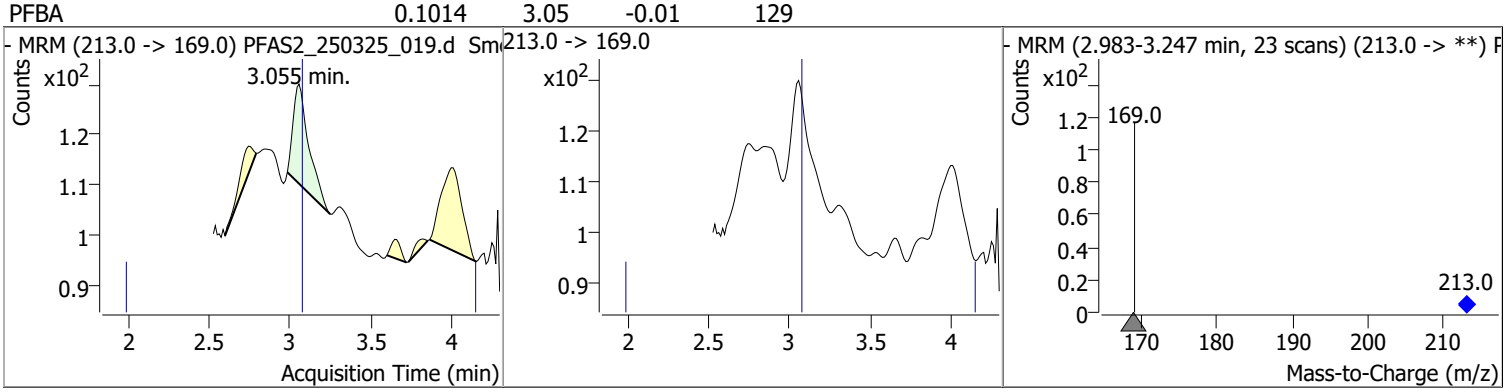
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	2.9062	3.05	-0.01	72512				



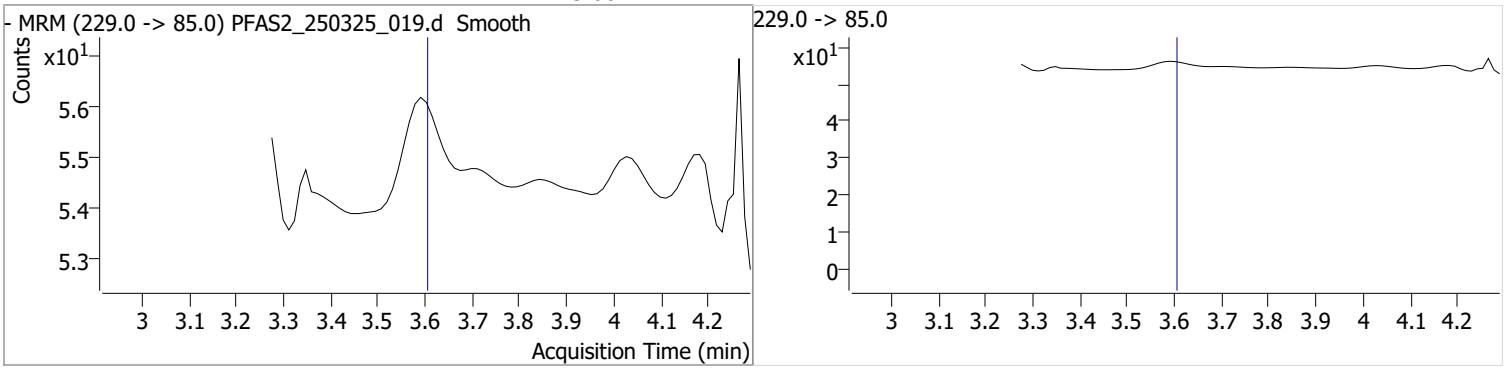
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	109798				



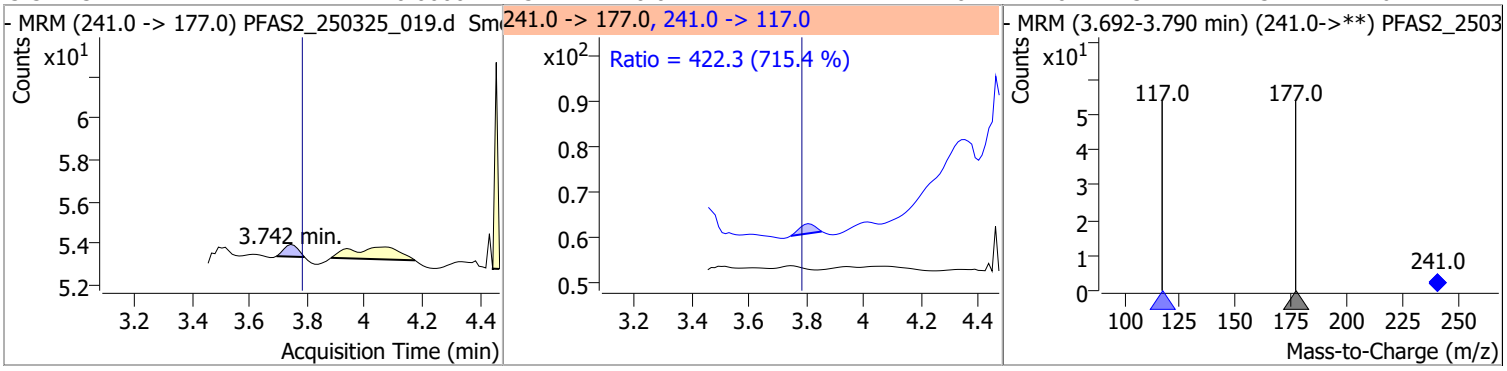
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.1014	3.05	-0.01	129				



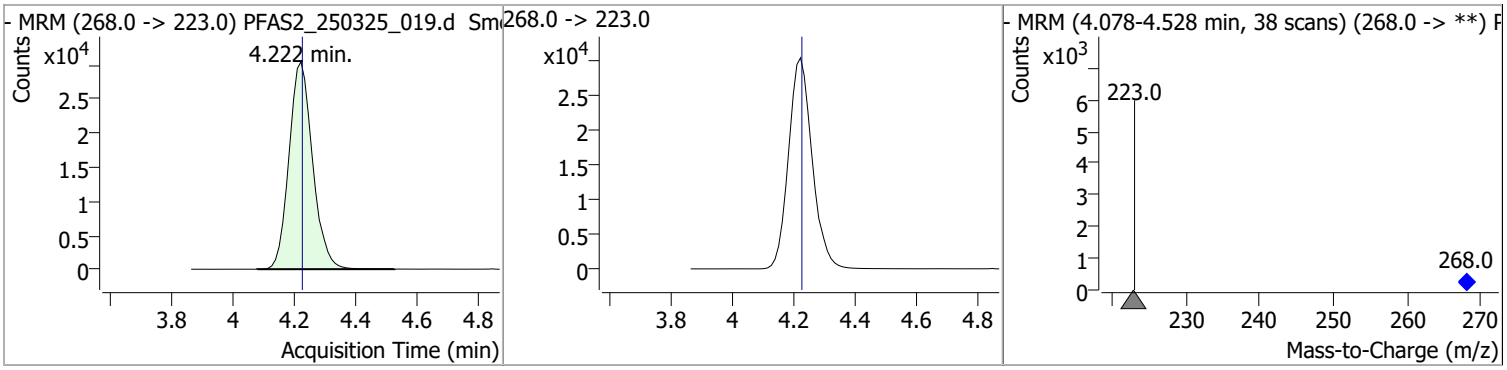
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFMPA	N.D.	3.60		



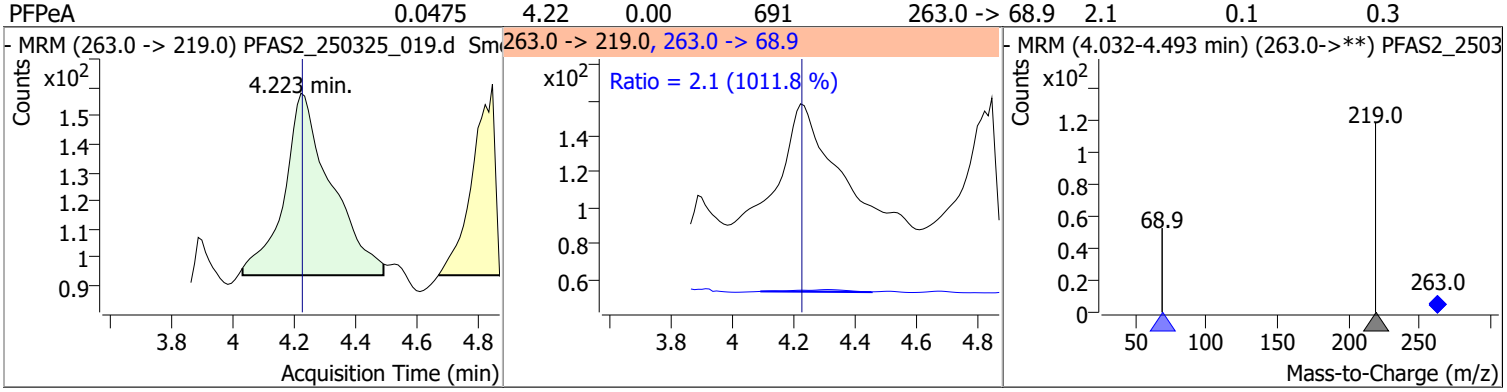
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.74	-0.04	2	241.0 -> 117.0	422.3	41.3	76.7



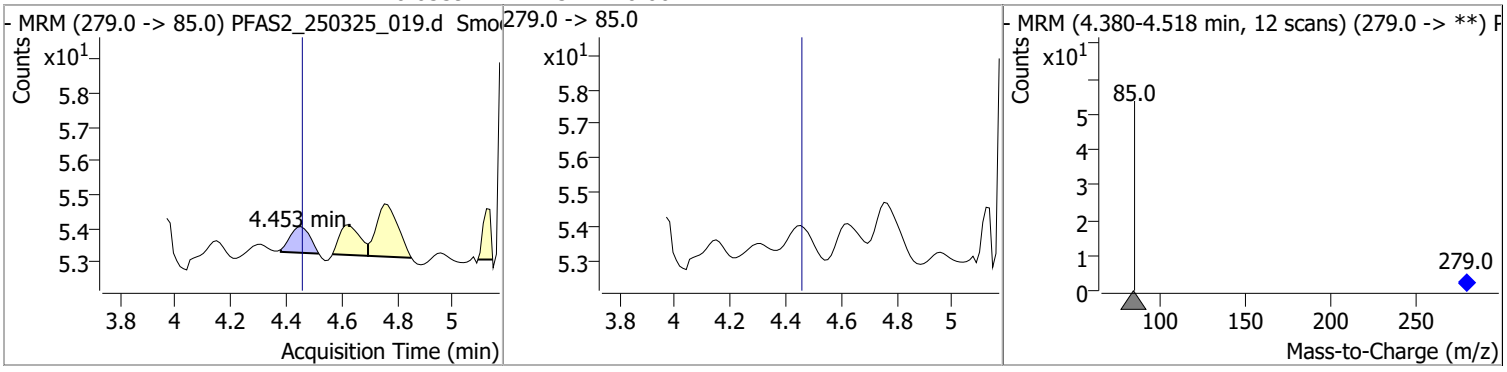
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7537	4.22	0.00	162840				



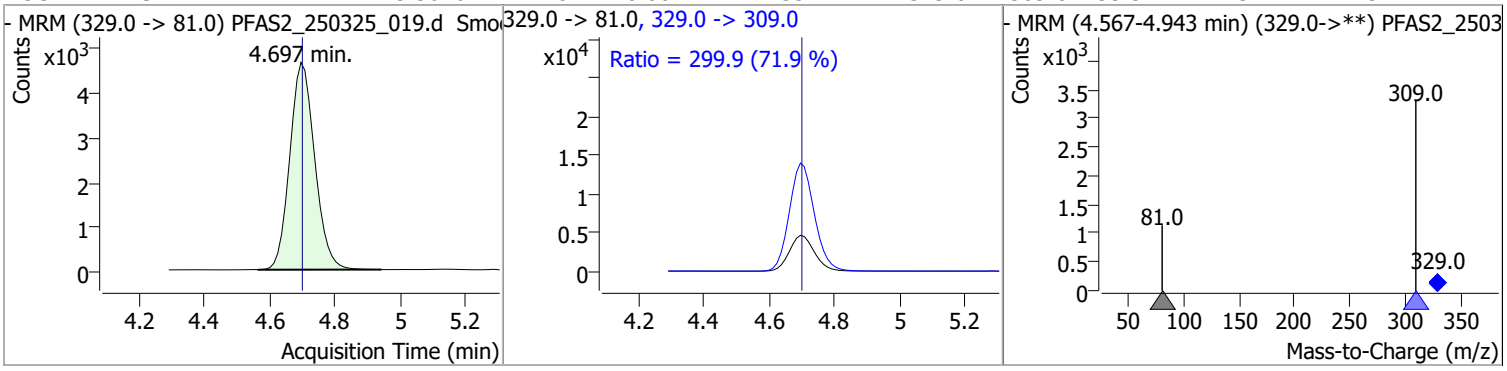
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0475	4.22	0.00	691	263.0 -> 68.9	2.1	0.1	0.3



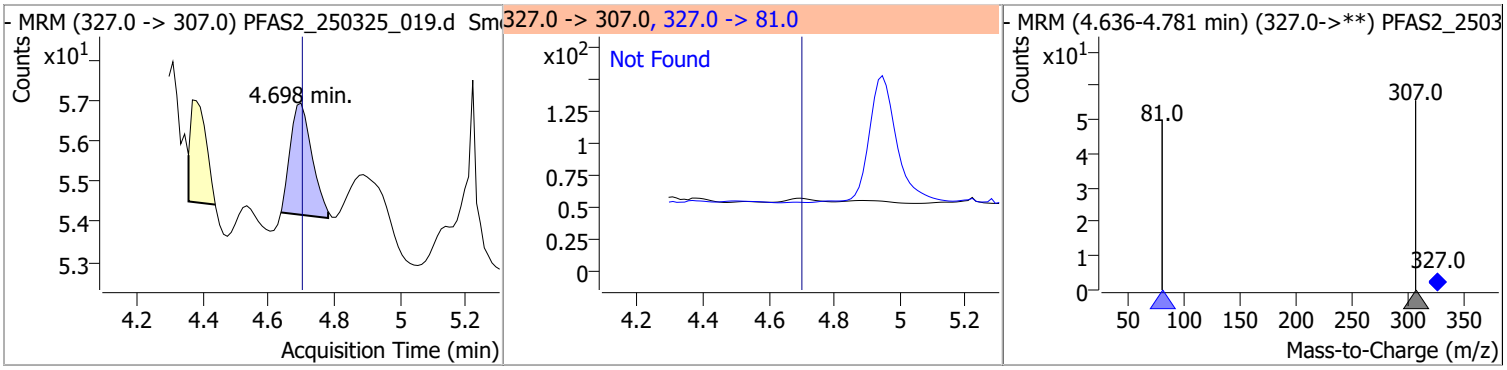
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0339	4.45	0.00	4				



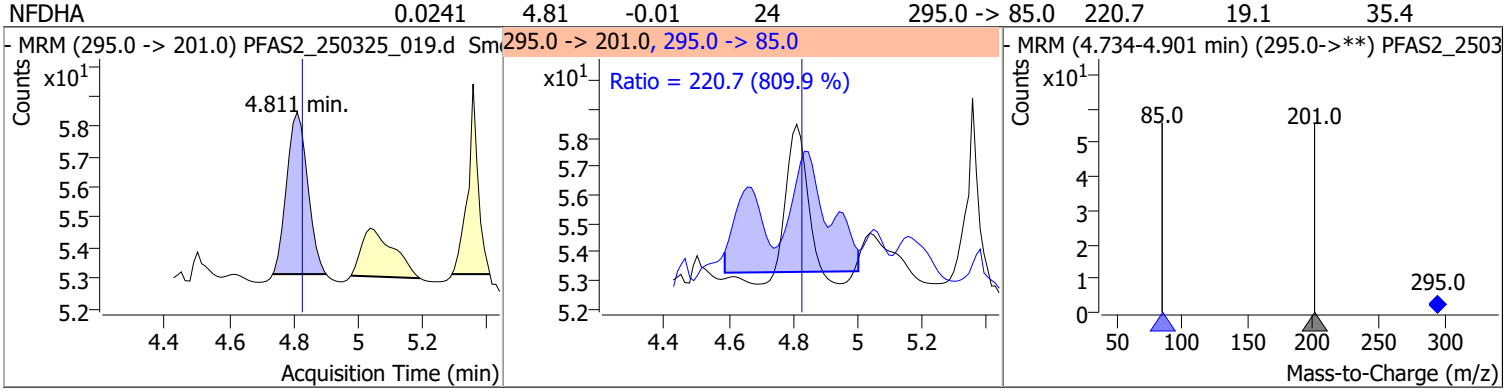
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3646	4.70	0.00	24534	329.0 -> 309.0	299.9	292.1	542.4



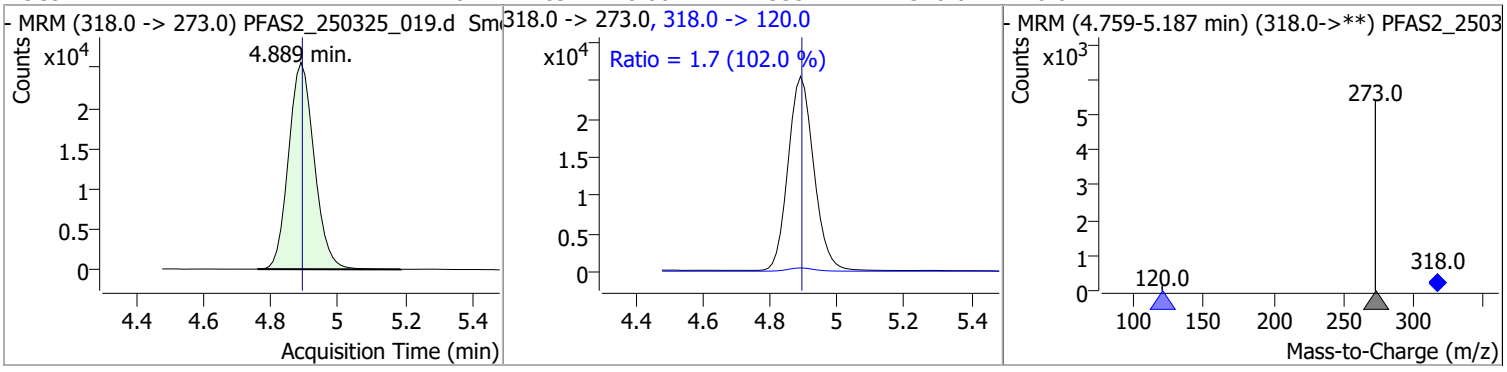
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0008	4.70	0.00	13	327.0 -> 81.0		23.6	43.9



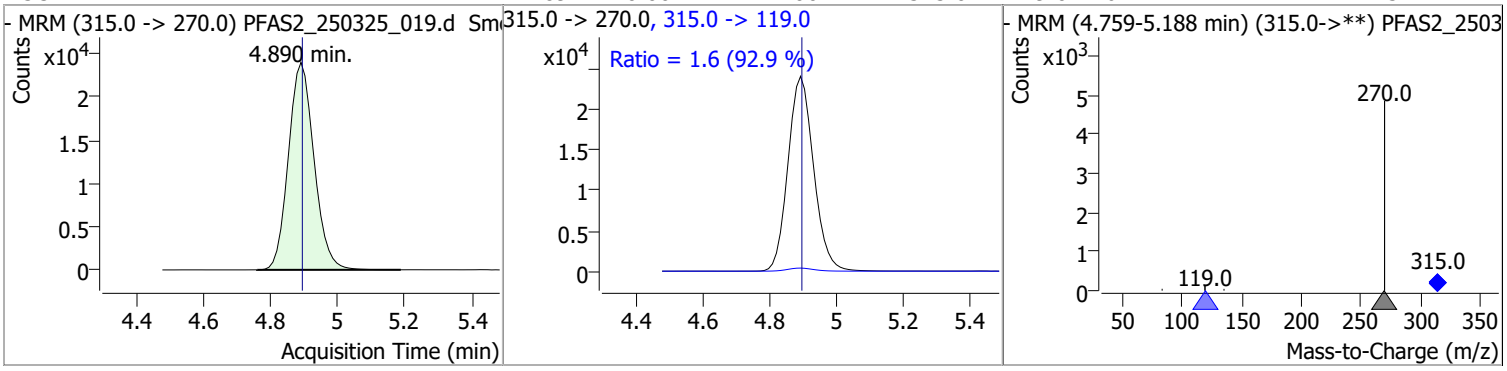
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0241	4.81	-0.01	24	295.0 -> 85.0	220.7	19.1	35.4



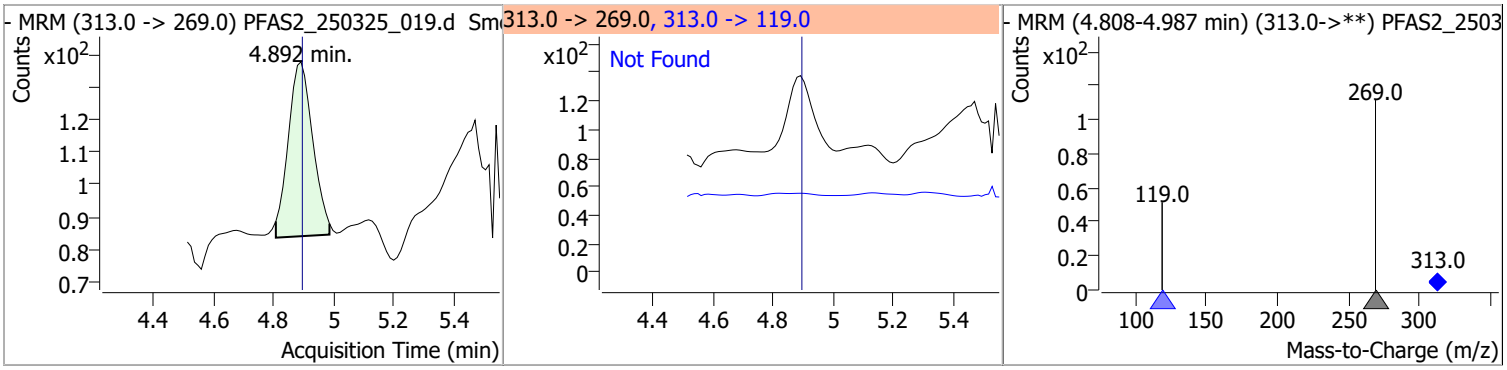
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4240	4.89	0.00	135547	318.0 -> 120.0	1.7	1.1	2.1



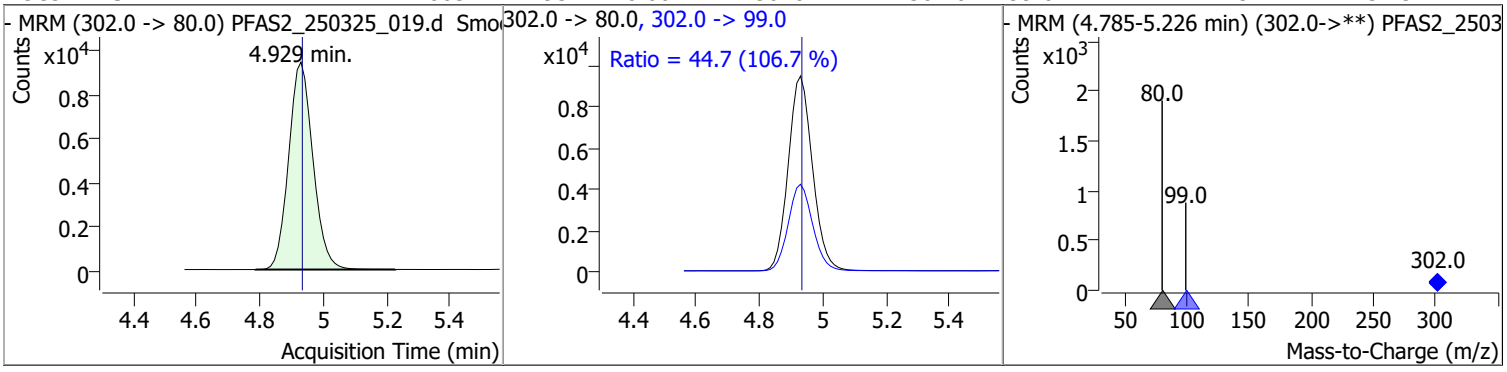
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	127004	315.0 -> 119.0	1.6	1.2	2.3



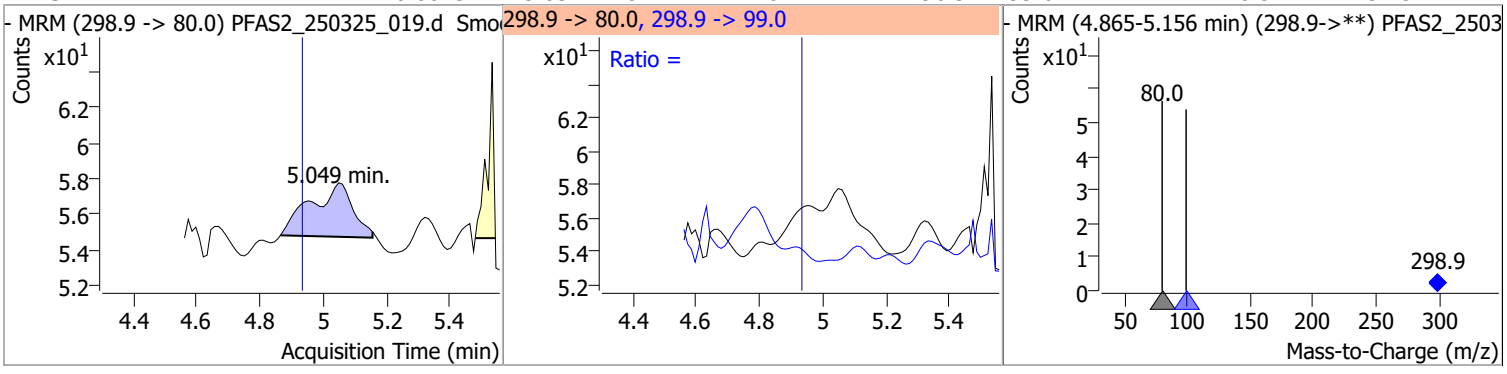
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0063	4.89	0.00	304	313.0 -> 119.0		2.4	4.5



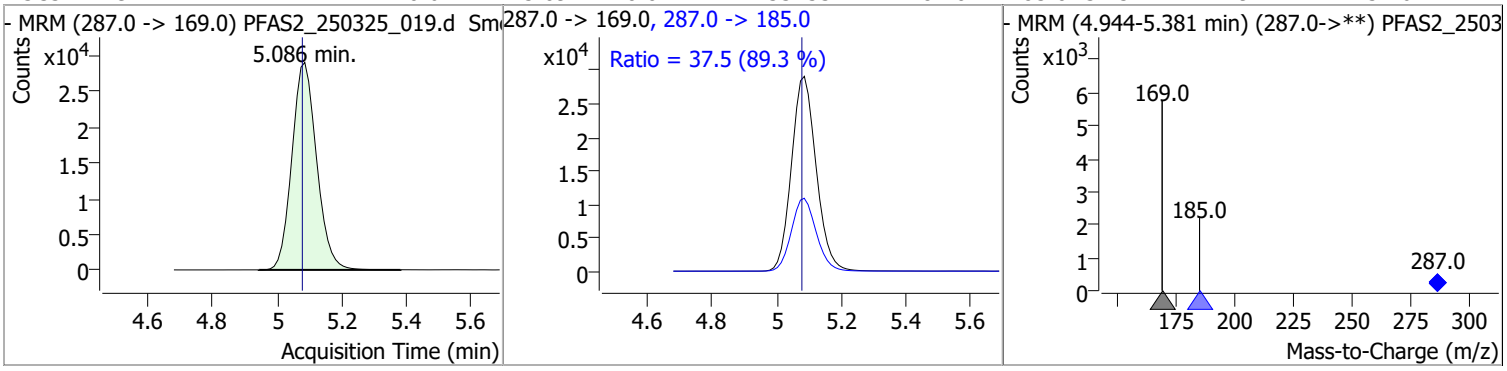
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2803	4.93	0.00	50281	302.0 -> 99.0	44.7	29.4	54.5



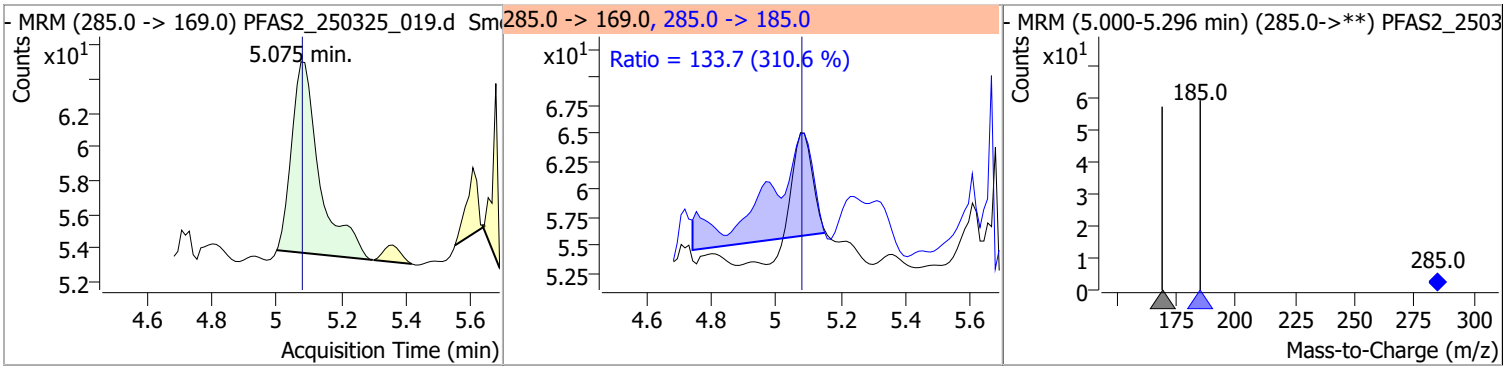
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0013	5.05	0.12	28	298.9 -> 99.0		28.3	52.5



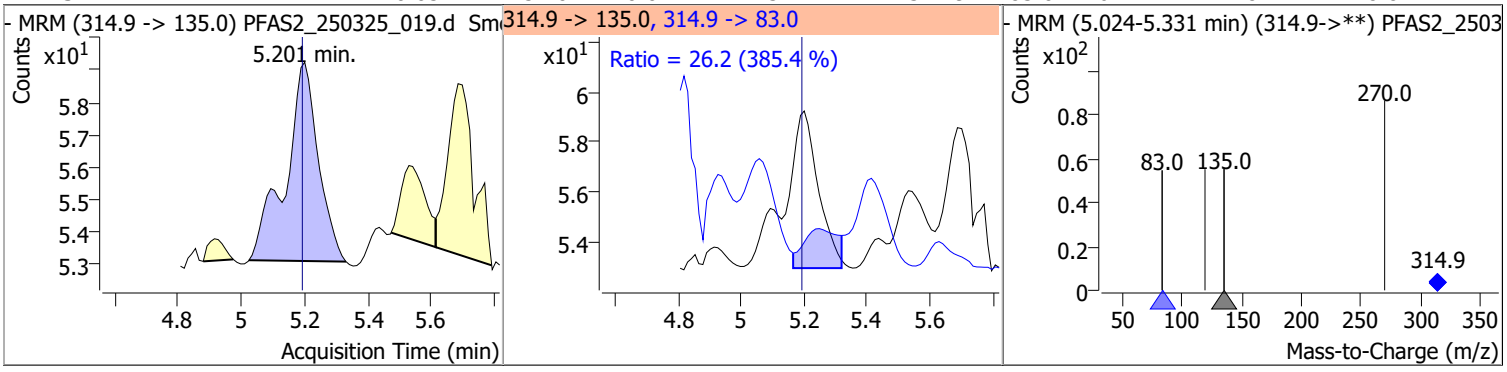
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.6271	5.09	0.01	153753	287.0 -> 185.0	37.5	29.4	54.6



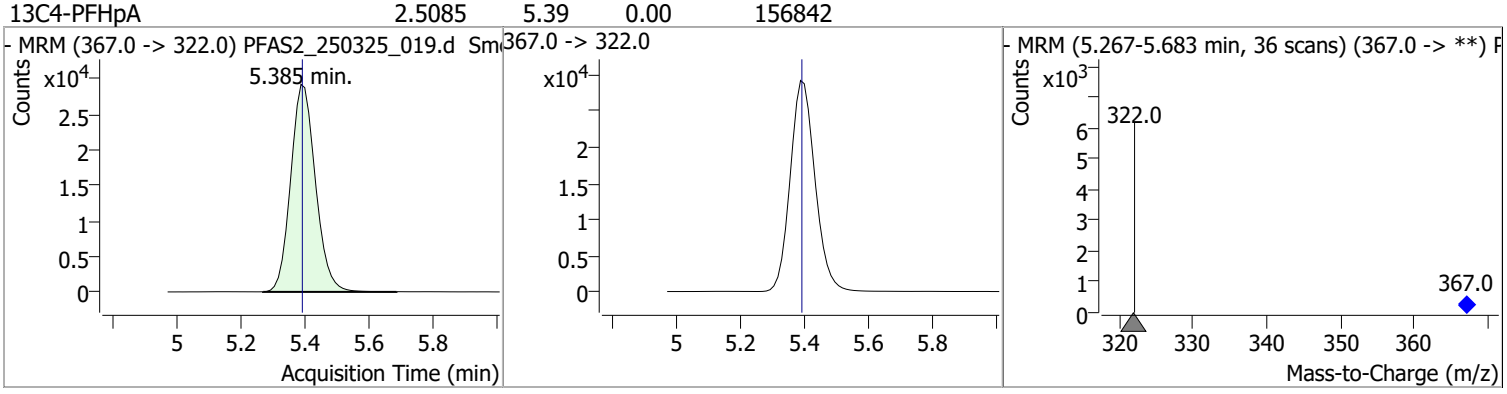
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0050	5.07	0.00	68	285.0 -> 185.0	133.7	30.1	56.0



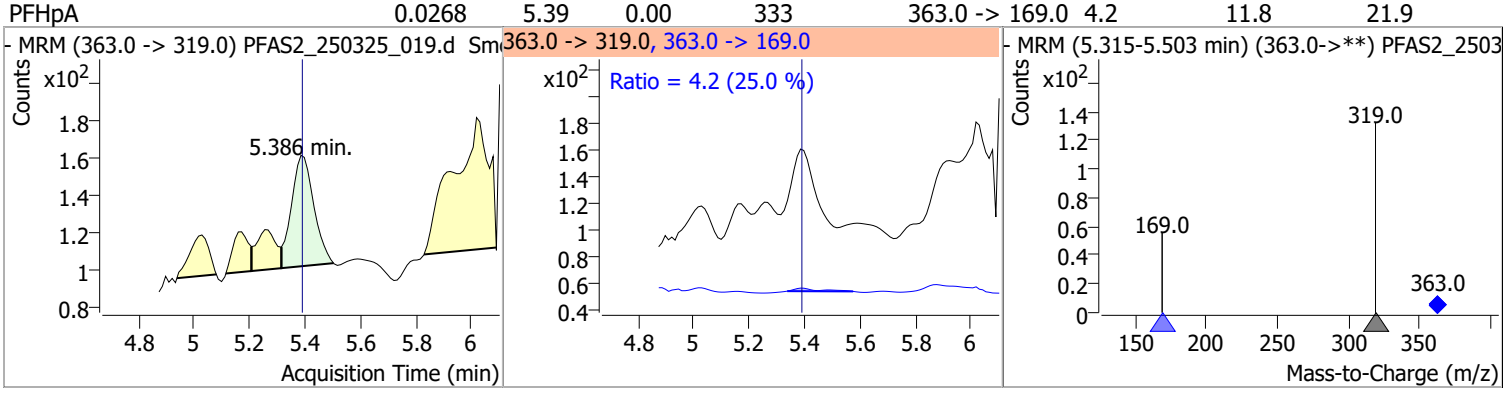
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0522	5.20	0.01	45	314.9 -> 83.0	26.2	4.8	8.8



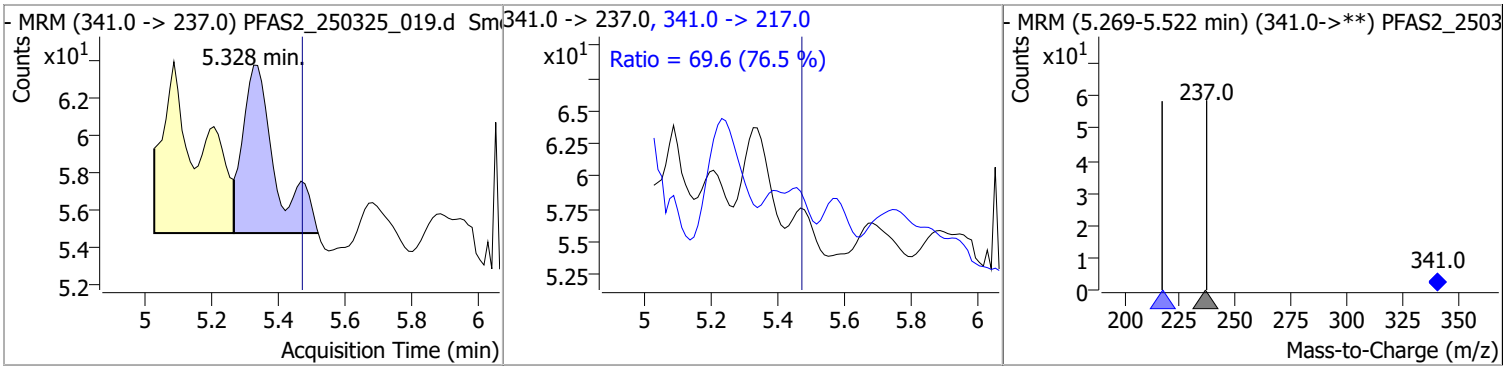
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5085	5.39	0.00	156842				



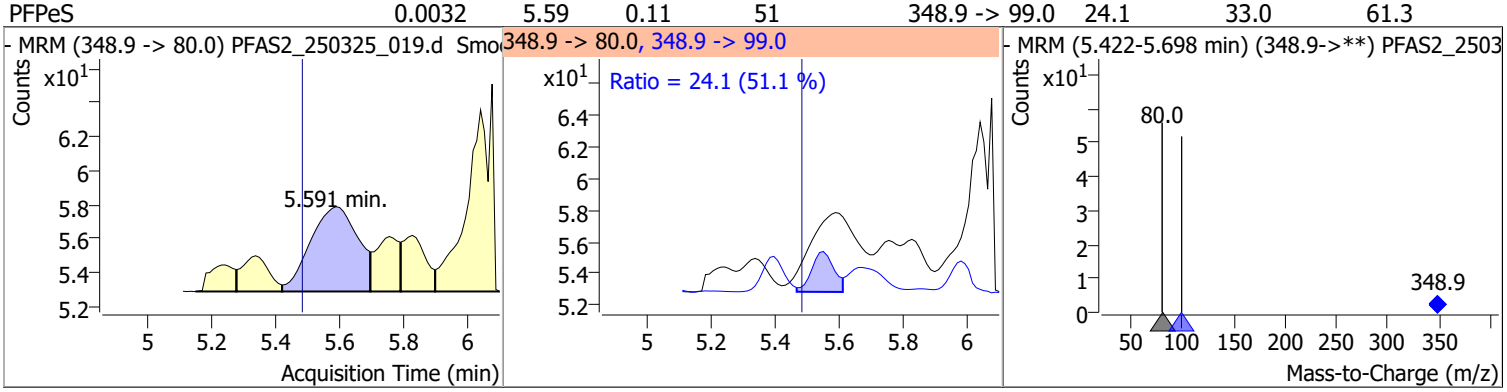
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0268	5.39	0.00	333	363.0 -> 169.0	4.2	11.8	21.9



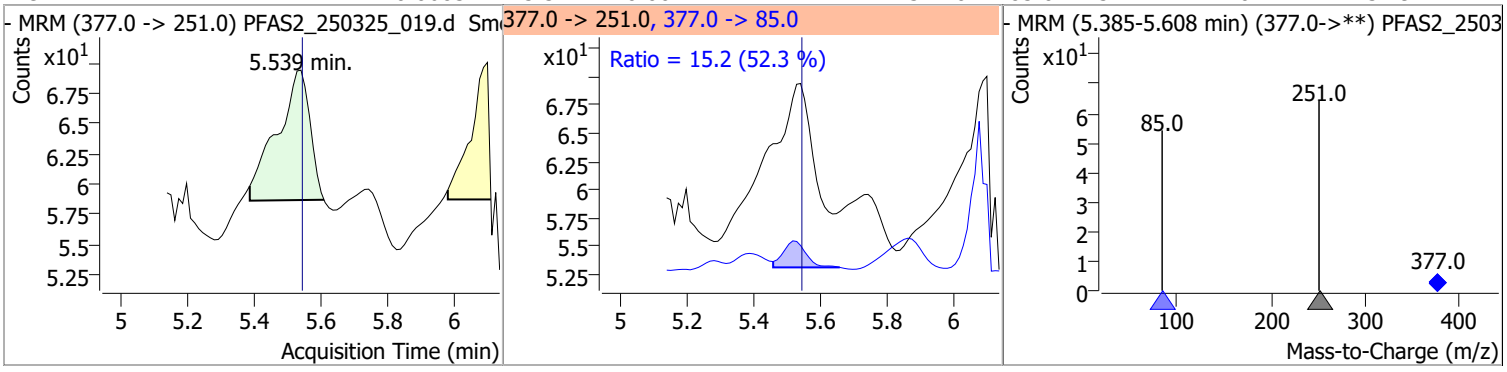
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1928	5.33	-0.14	60	341.0 -> 217.0	69.6	63.6	118.1



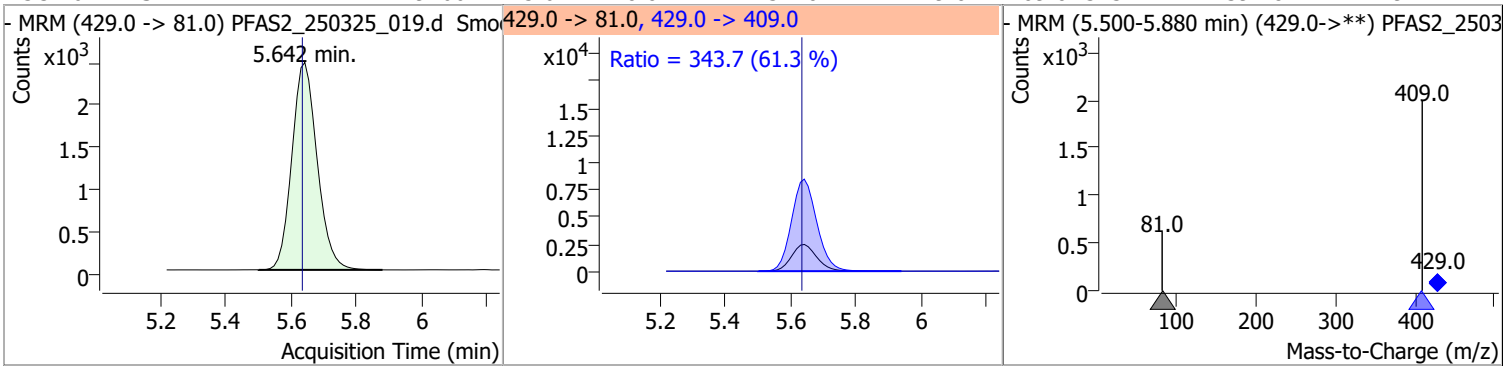
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0032	5.59	0.11	51	348.9 -> 99.0	24.1	33.0	61.3



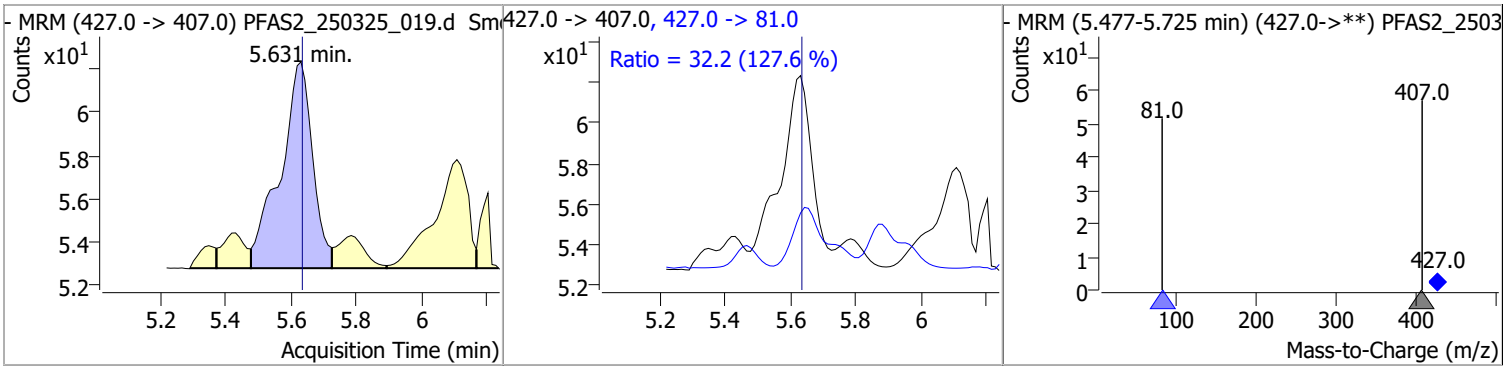
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0683	5.54	0.00	74	377.0 -> 85.0	15.2	20.4	37.9



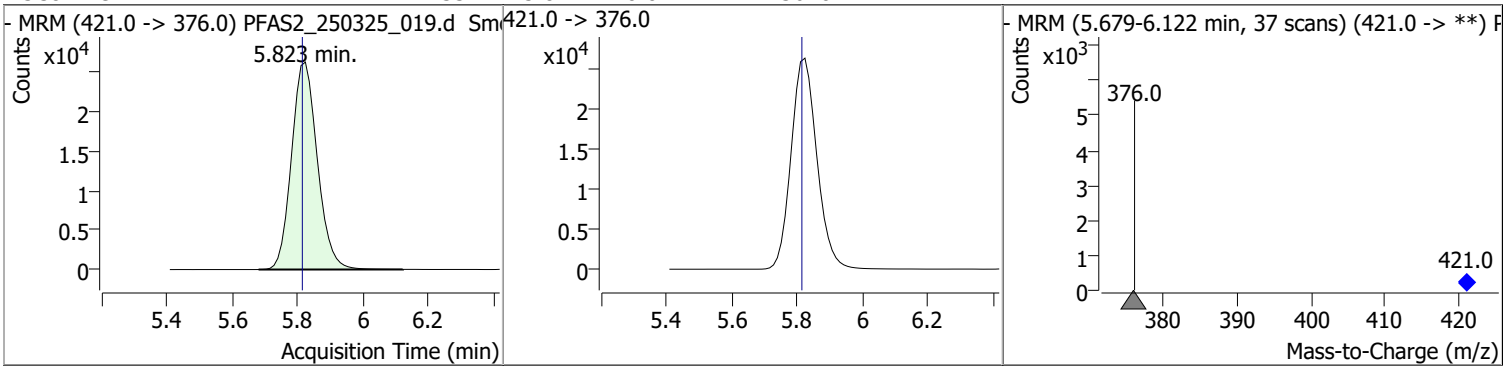
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9266	5.64	0.01	13210	429.0 -> 409.0	343.7	392.8	729.4



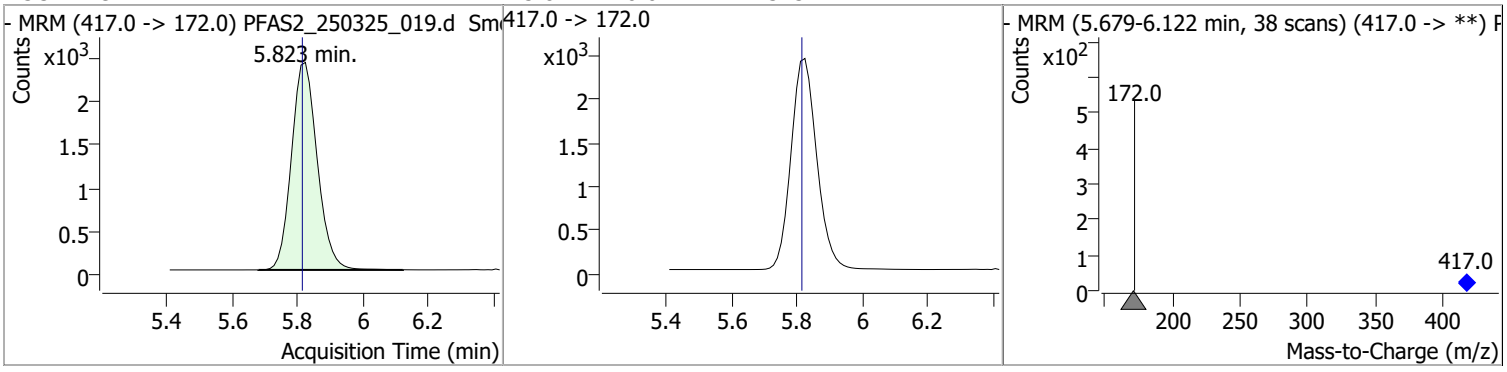
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1171	5.63	0.00	66	427.0 -> 81.0	32.2	17.7	32.8



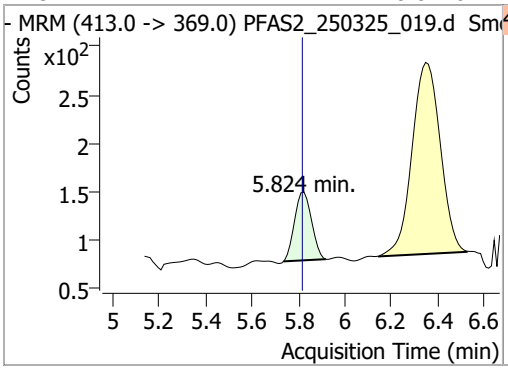
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4233	5.82	0.01	143610				

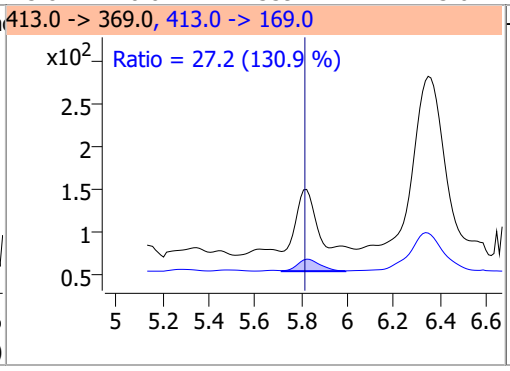


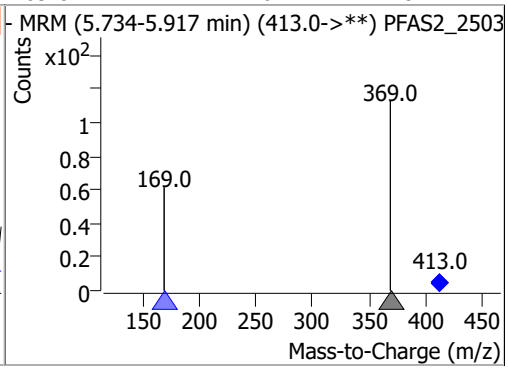
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	13252				



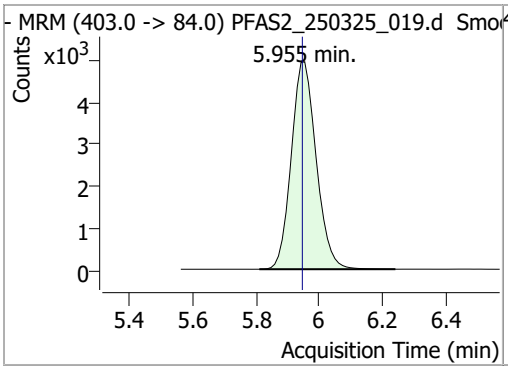
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0426	5.82	0.01	359	413.0 -> 169.0	27.2	14.6	27.0

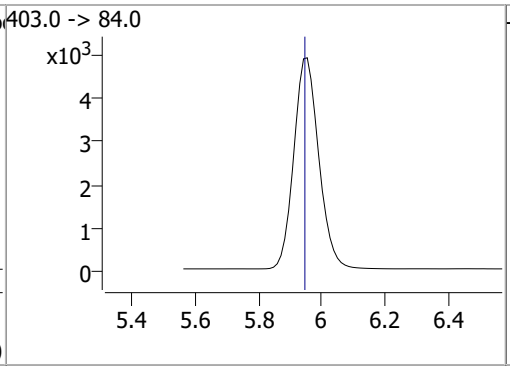


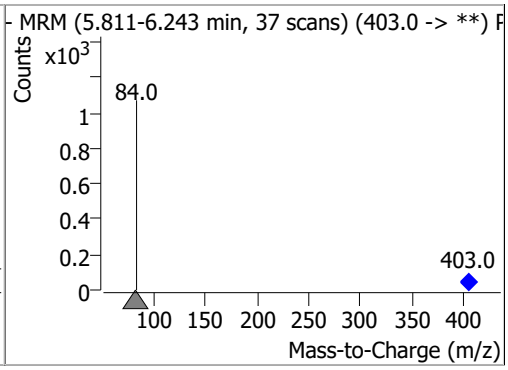




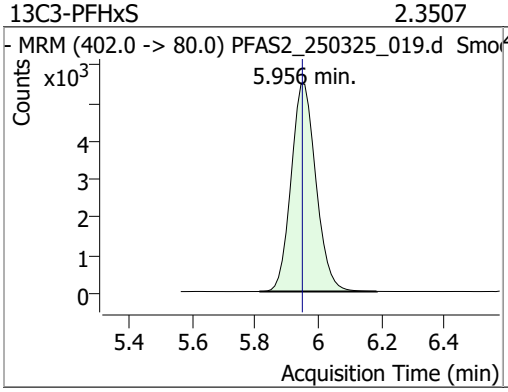
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	26926				

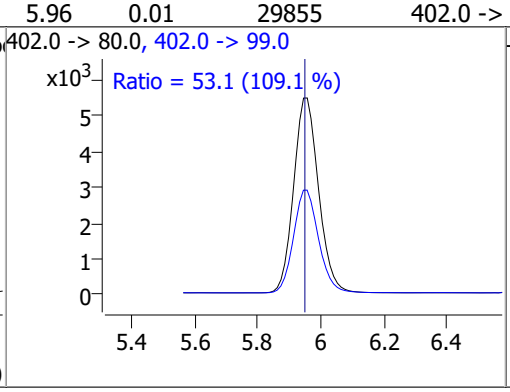


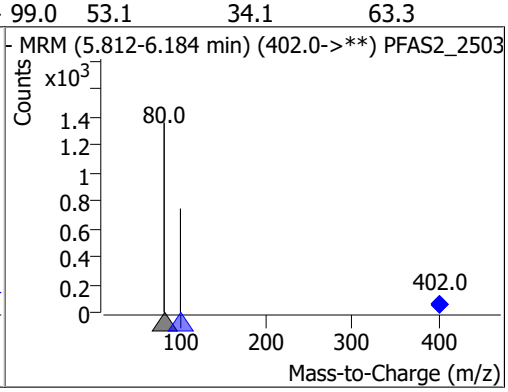




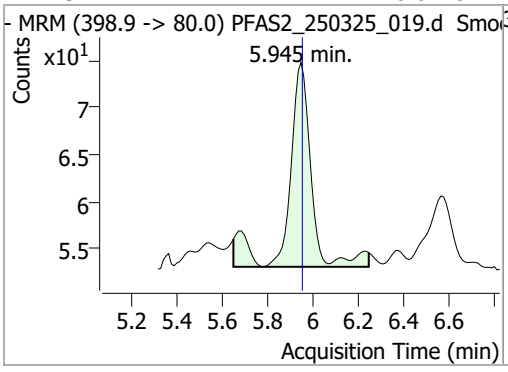
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3507	5.96	0.01	29855	402.0 -> 99.0	53.1	34.1	63.3

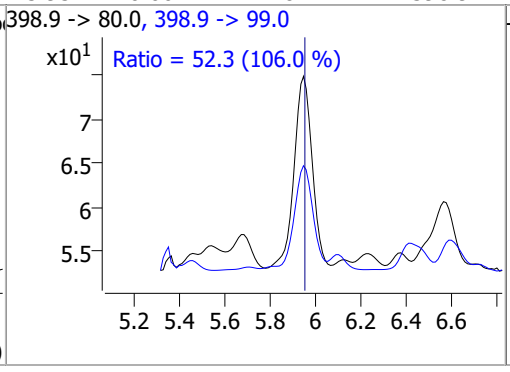


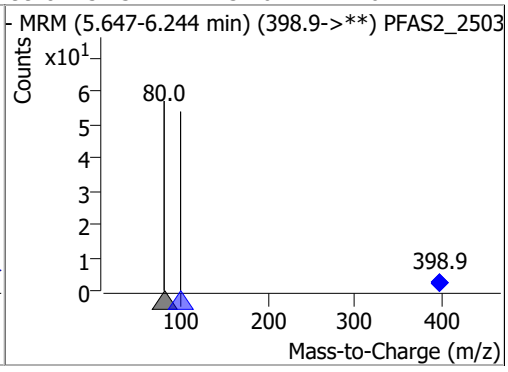




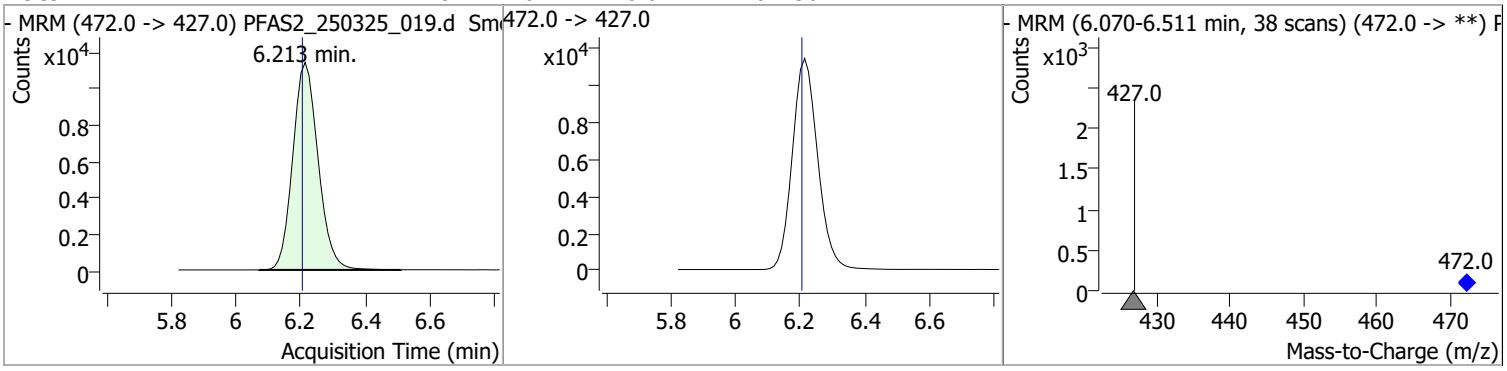
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0128	5.95	0.00	148	398.9 -> 99.0	52.3	34.6	64.2



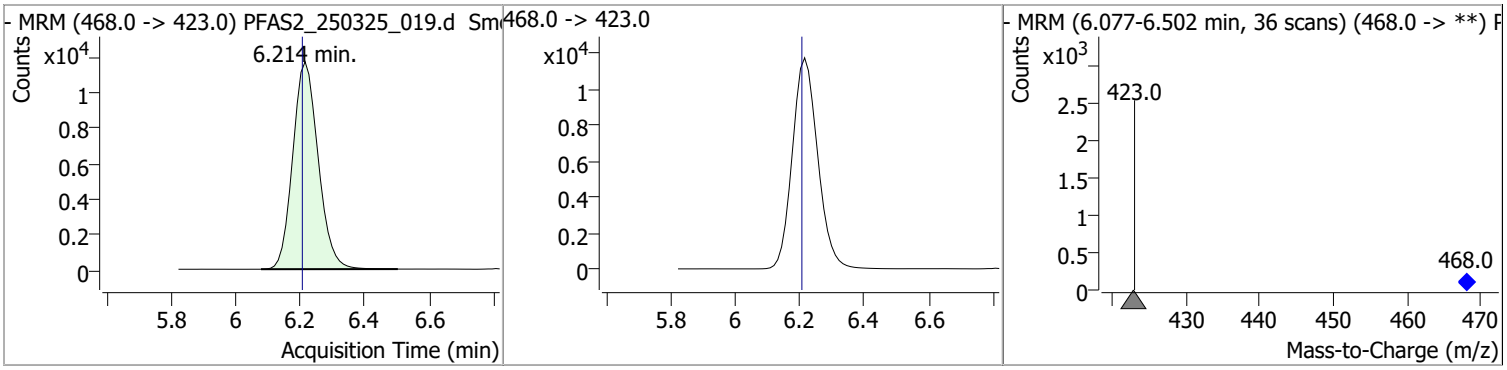




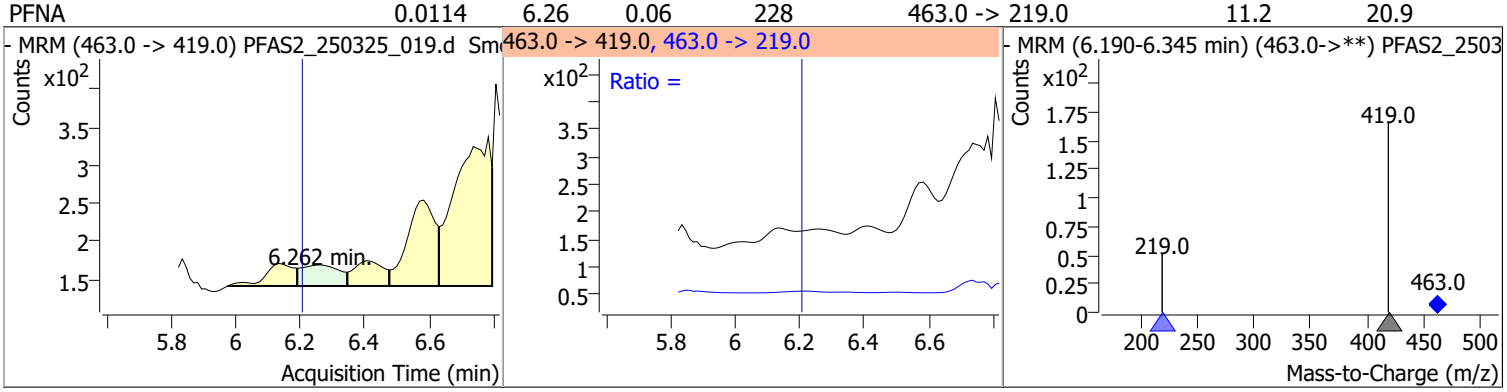
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2291	6.21	0.01	62436				



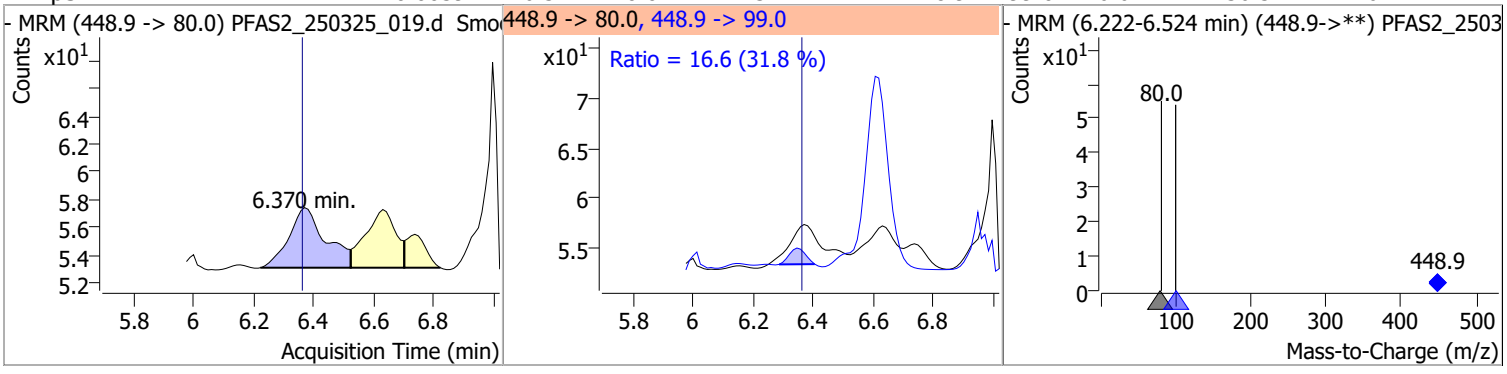
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	64107				



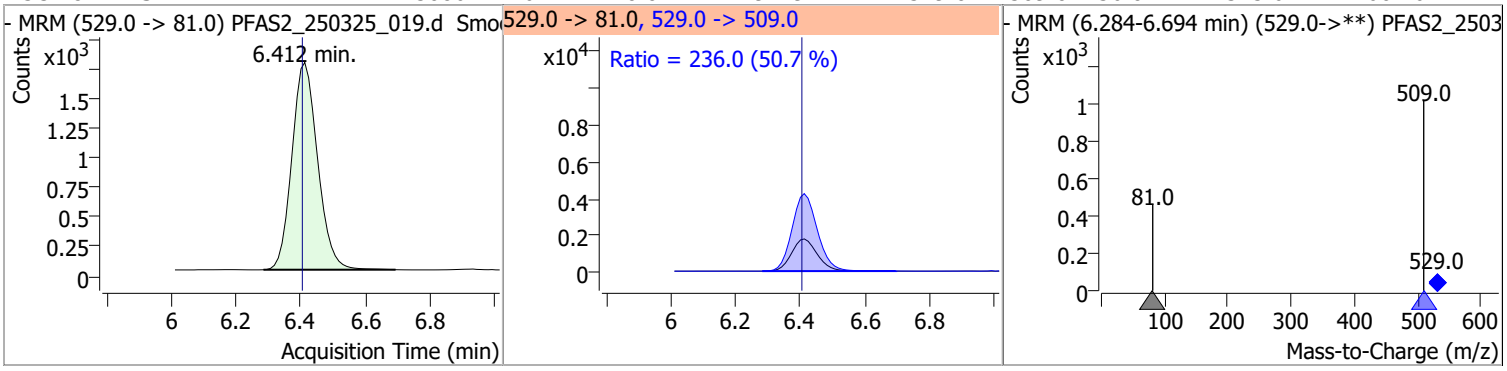
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0114	6.26	0.06	228	463.0 -> 219.0		11.2	20.9



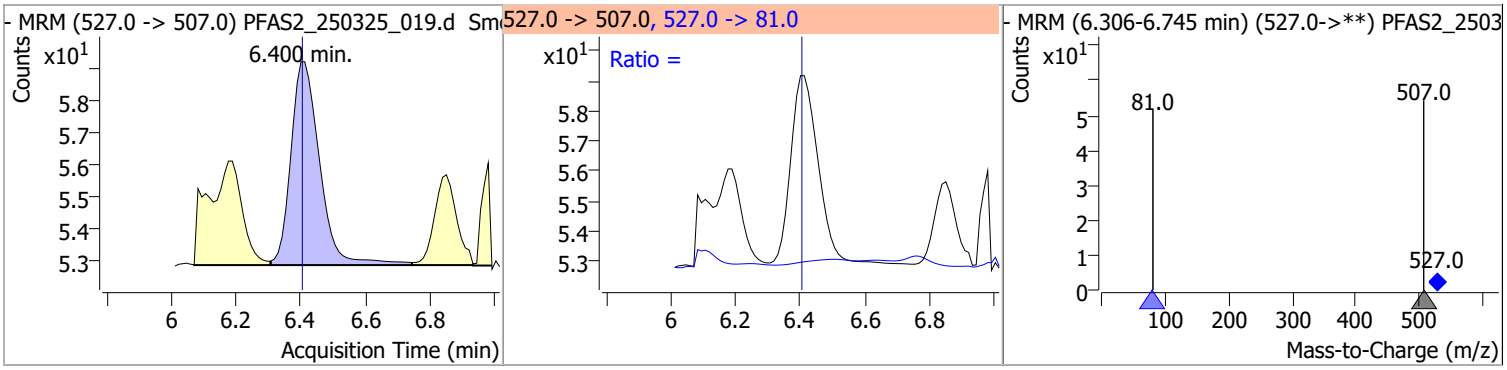
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0039	6.37	0.01	37	448.9 -> 99.0	16.6	36.5	67.7



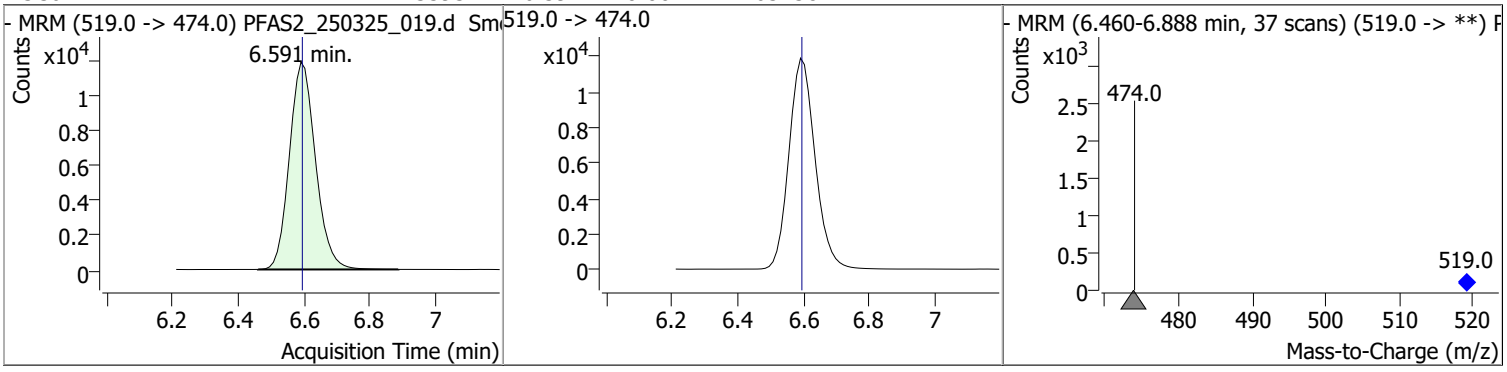
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5086	6.41	0.01	9719	529.0 -> 509.0	236.0	325.6	604.6



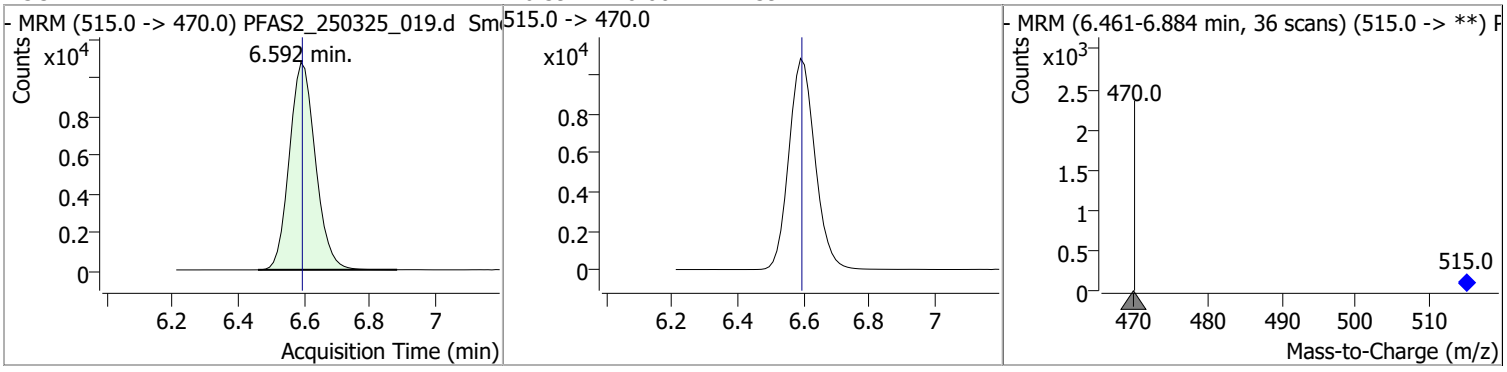
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0812	6.40	0.00	39	527.0 -> 81.0		19.7	36.6



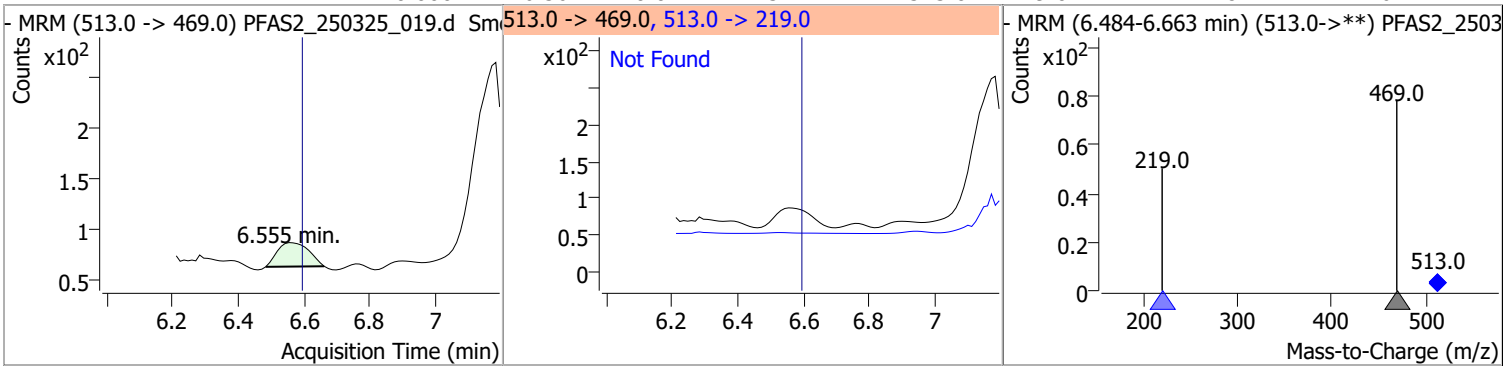
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3593	6.59	0.00	65458				



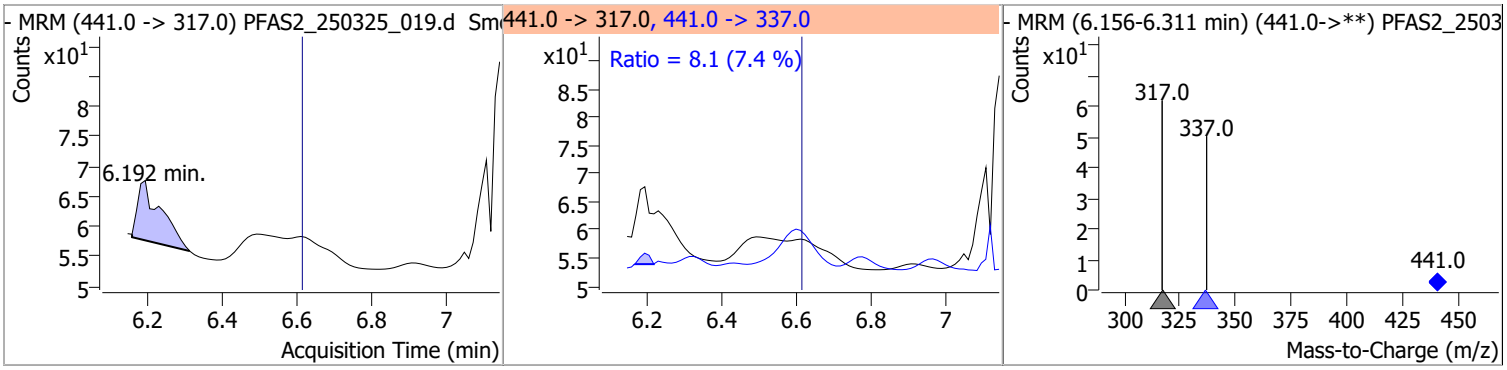
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	59177				



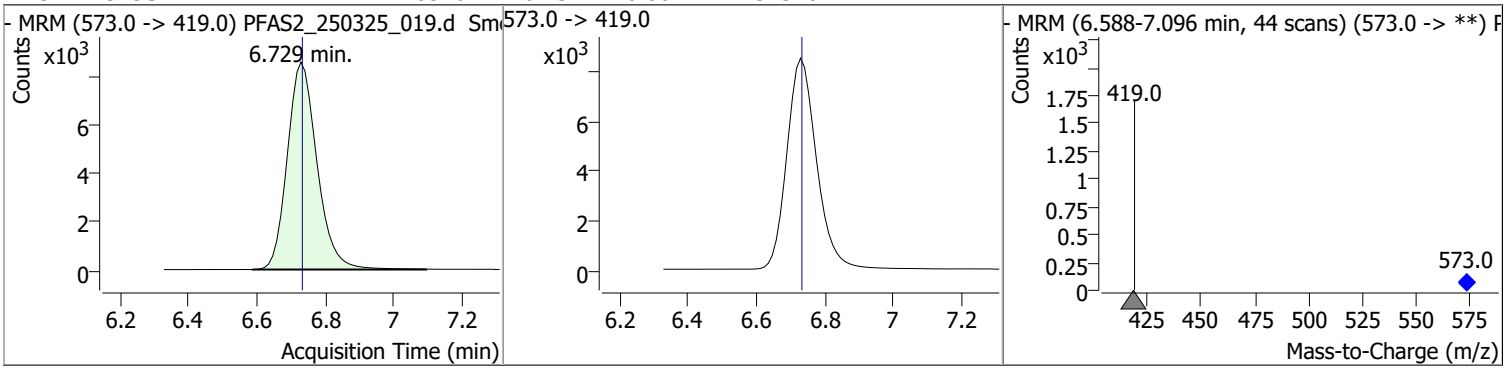
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0001	6.56	-0.04	157	513.0 -> 219.0		8.7	16.2



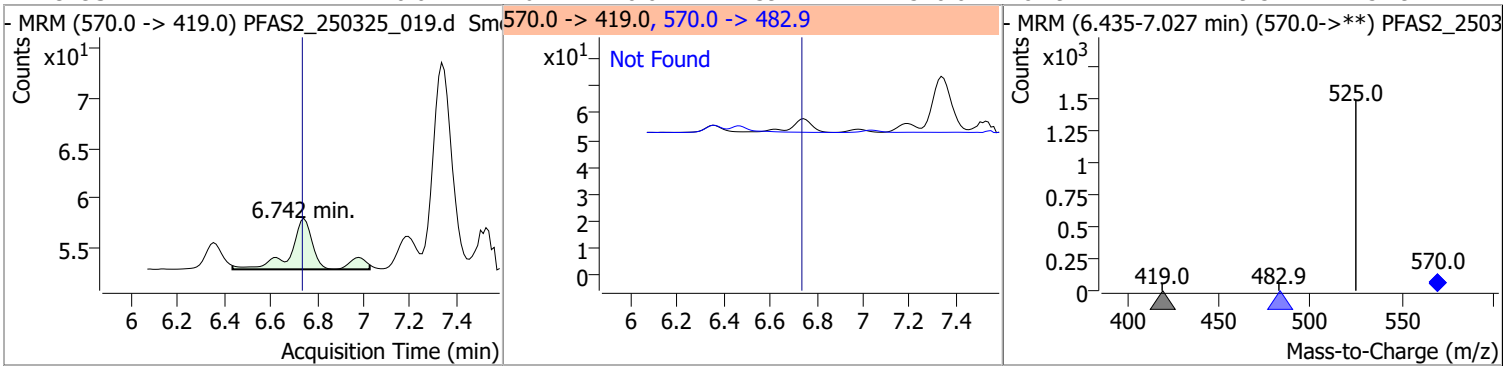
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2594	6.19	-0.42	43	441.0 -> 337.0	8.1	77.1	143.3



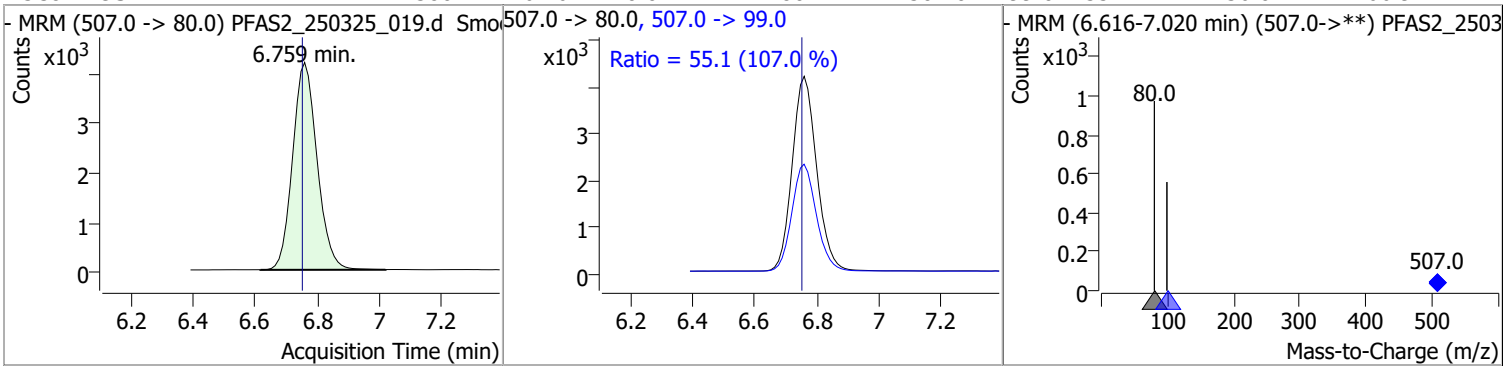
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8516	6.73	0.00	51378				



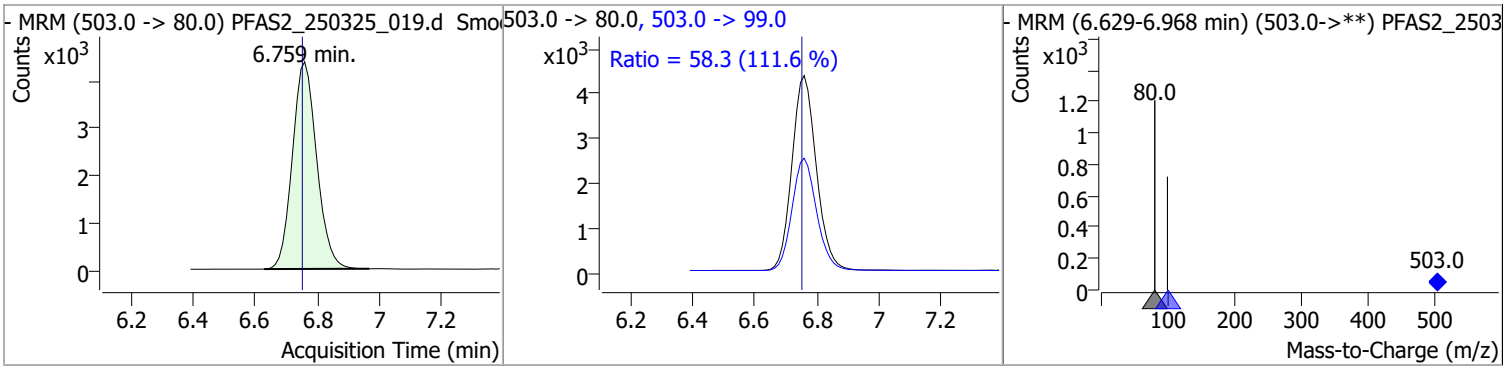
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0124	6.74	0.01	39	570.0 -> 482.9		29.5	54.9



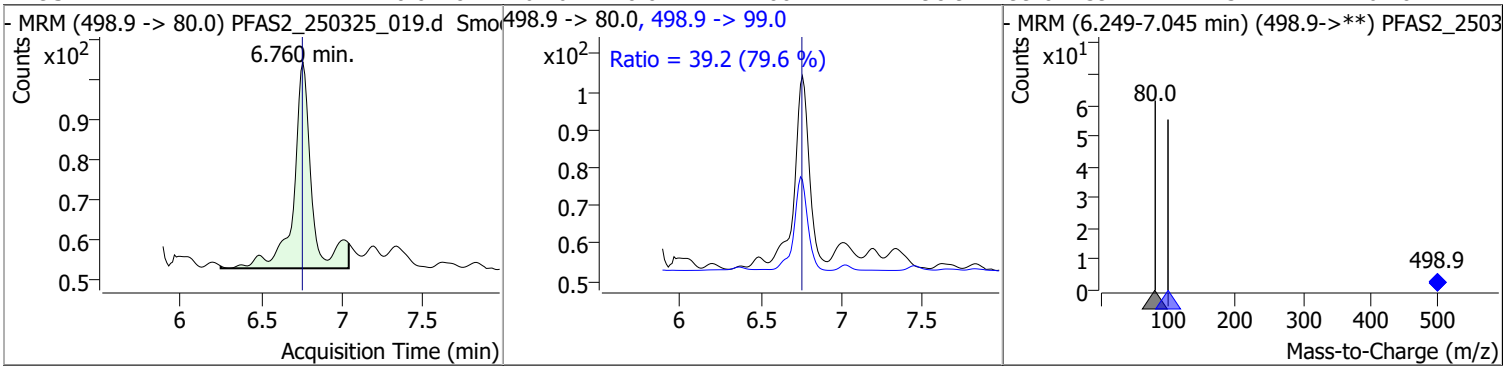
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3804	6.76	0.01	22801	507.0 -> 99.0	55.1	36.0	66.9



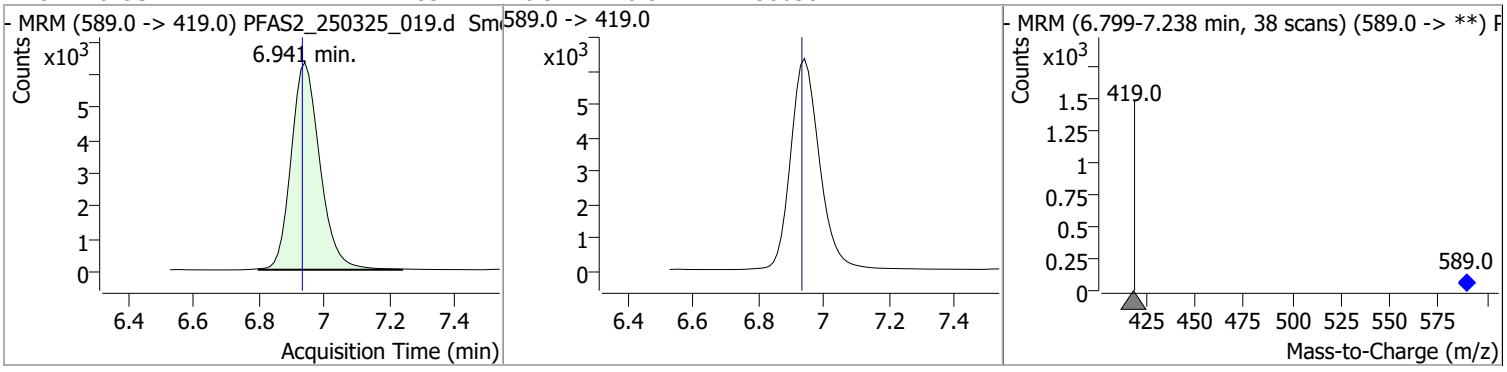
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23602	503.0 -> 99.0	58.3	36.6	67.9



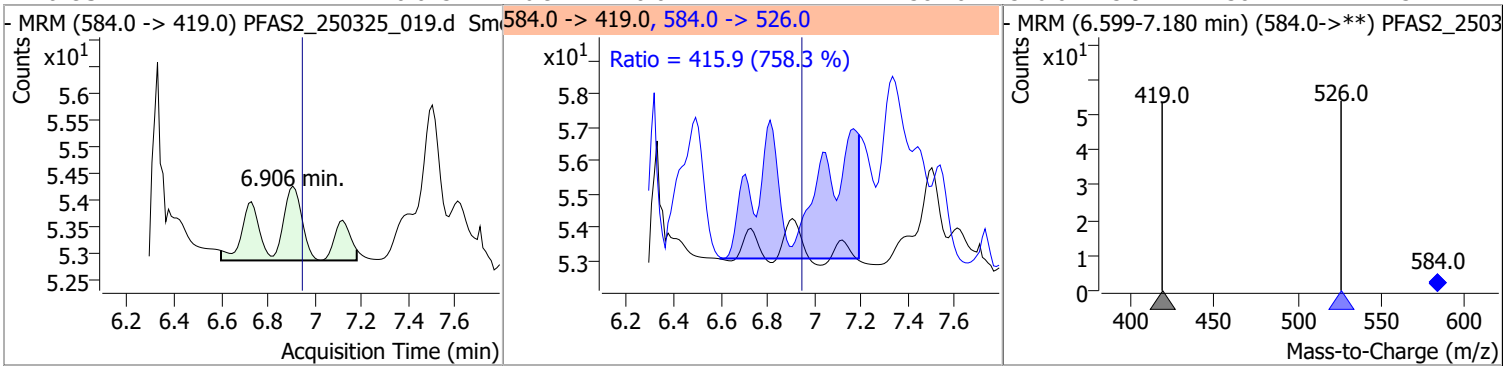
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0748	6.76	0.01	400	498.9 -> 99.0	39.2	34.4	64.0



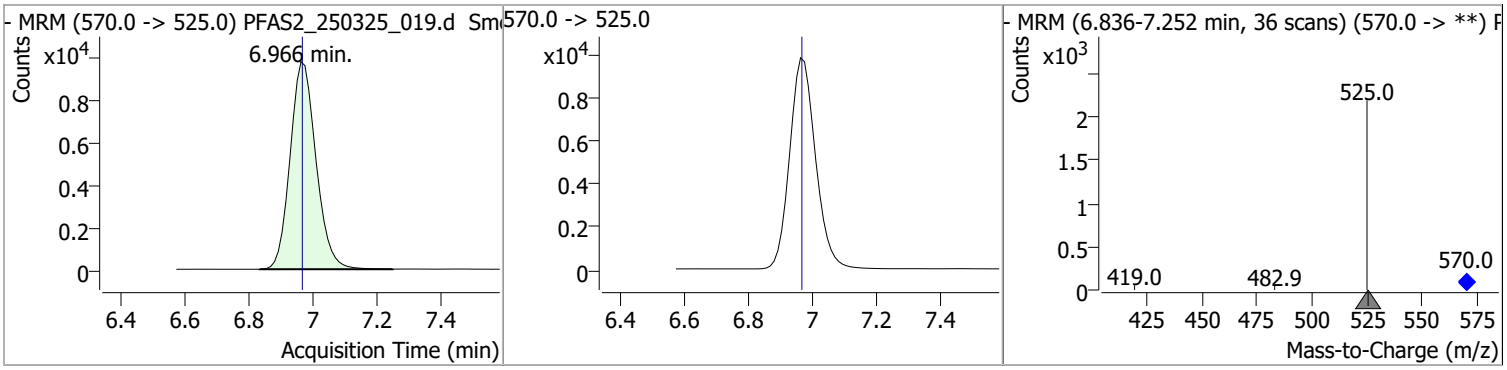
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8317	6.94	0.01	38630				



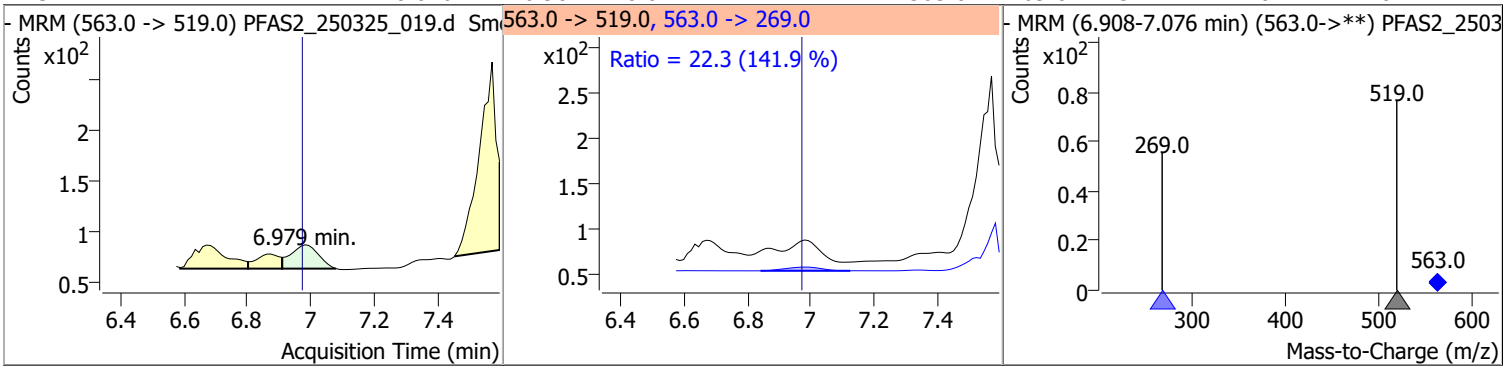
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0134	6.91	-0.04	17	584.0 -> 526.0	415.9	38.4	71.3



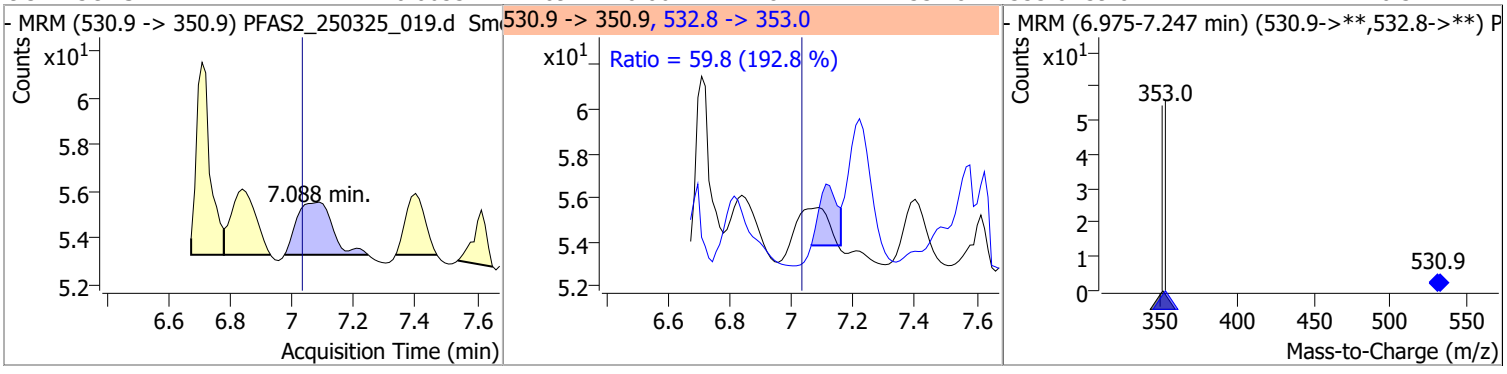
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.4525	6.97	0.00	55122				



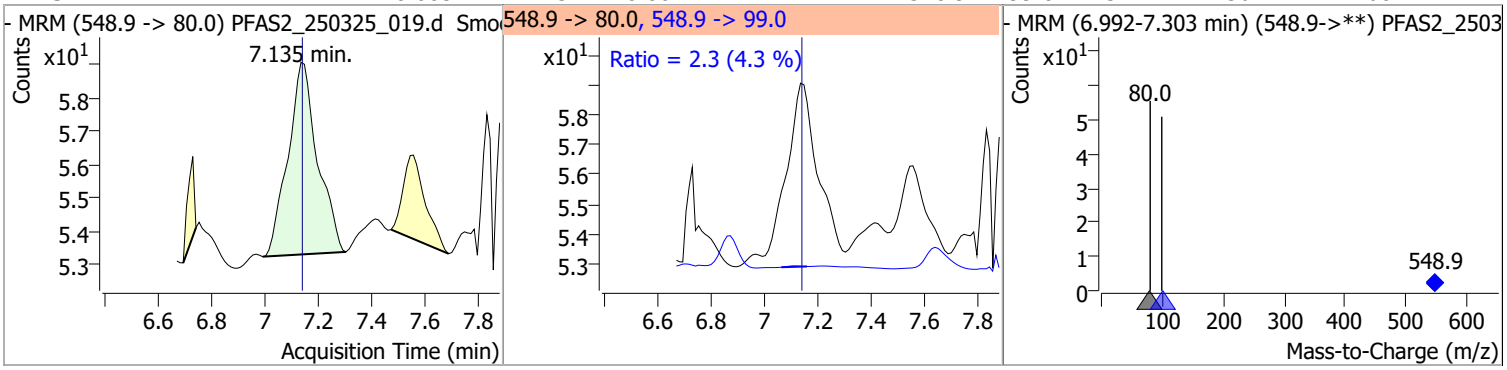
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0167	6.98	0.01	142	563.0 -> 269.0	22.3	11.0	20.4



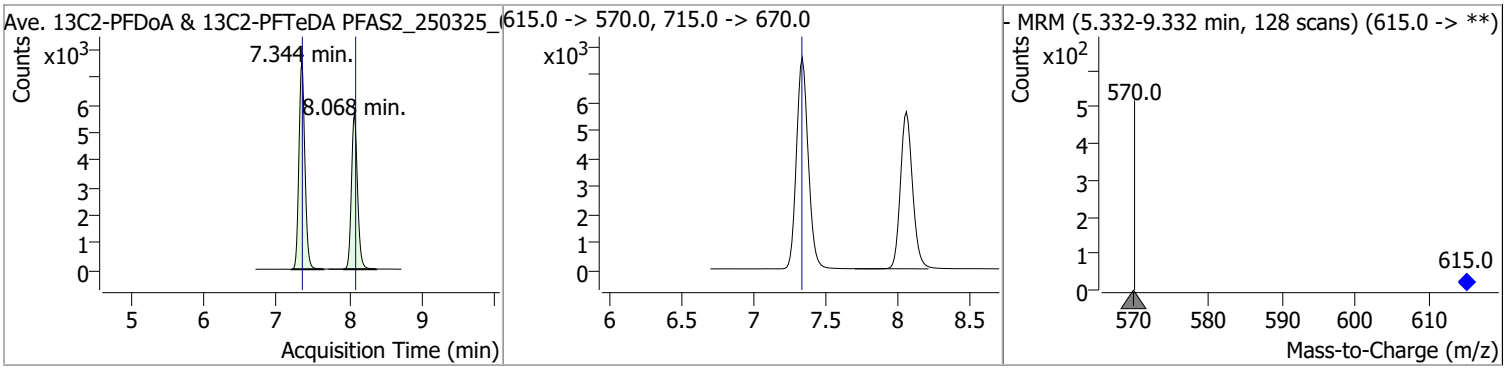
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0653	7.09	0.06	18	532.8 -> 353.0	59.8	21.7	40.3



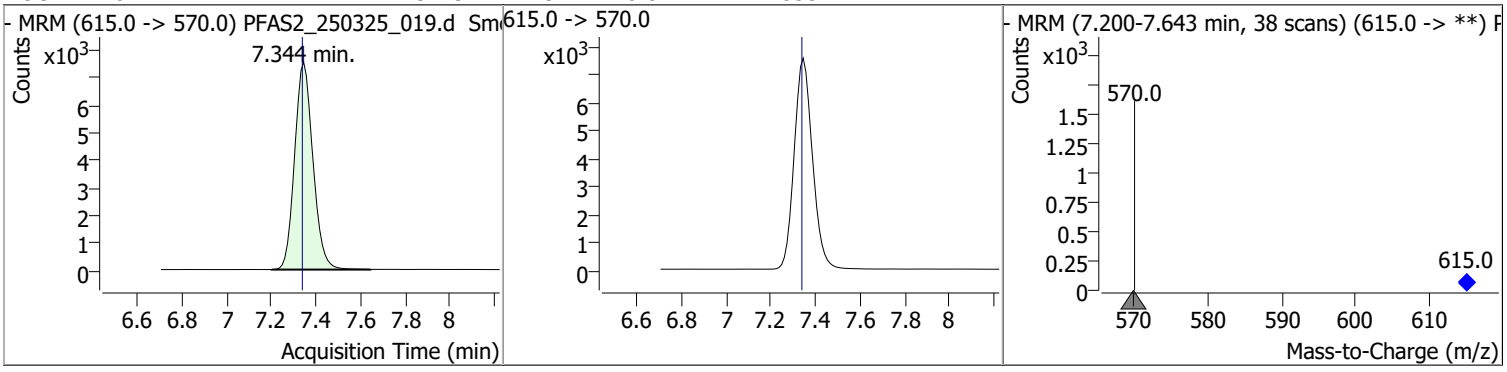
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0057	7.13	0.00	44	548.9 -> 99.0	2.3	36.7	68.1



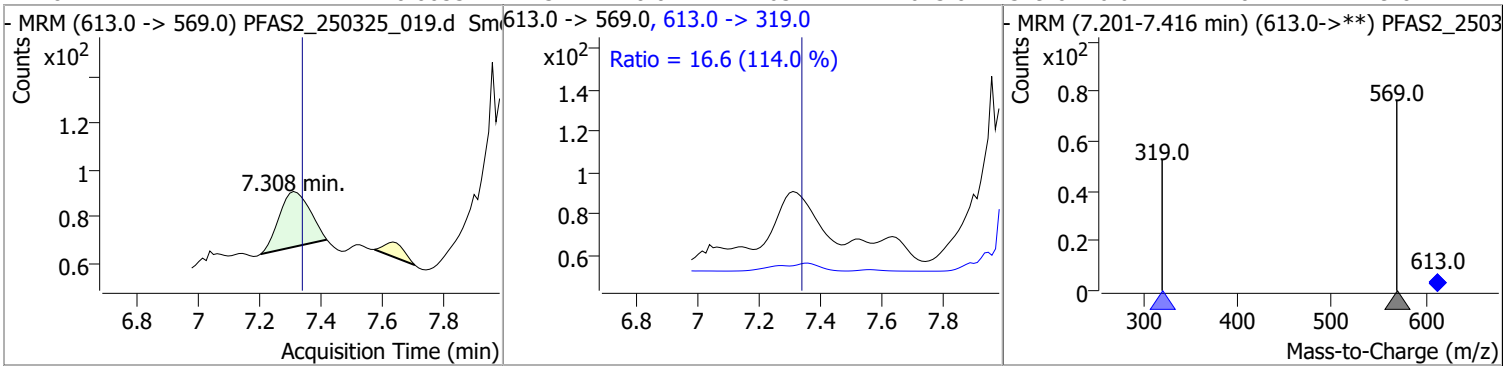
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2111	7.71	0.37	37884				



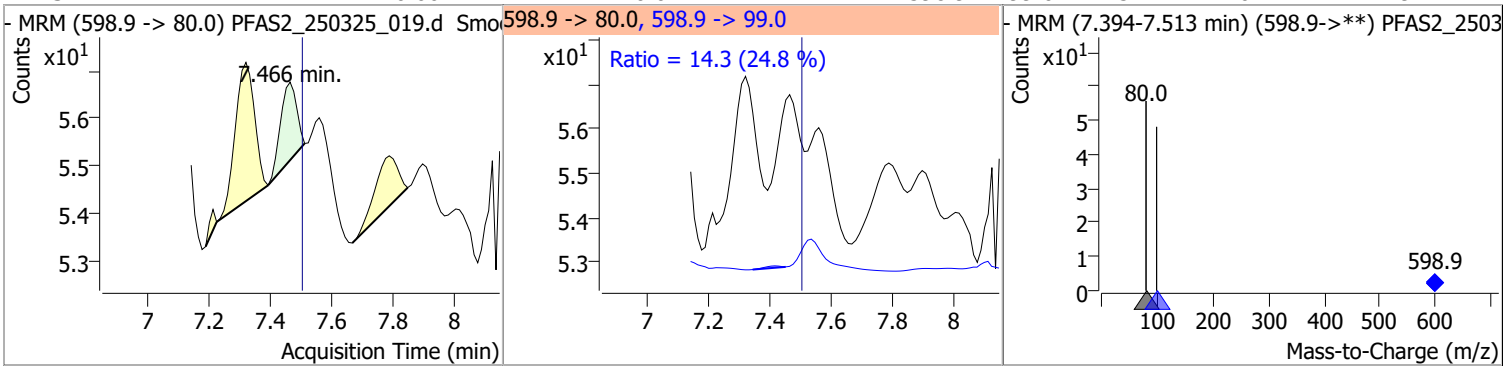
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.5149	7.34	0.01	42833				



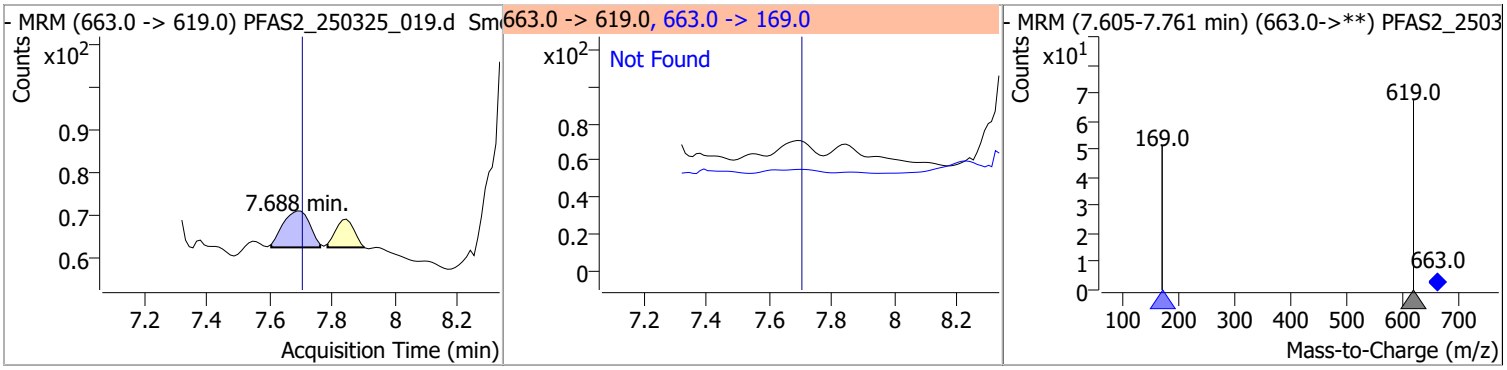
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0053	7.31	-0.02	165	613.0 -> 319.0	16.6	10.2	19.0



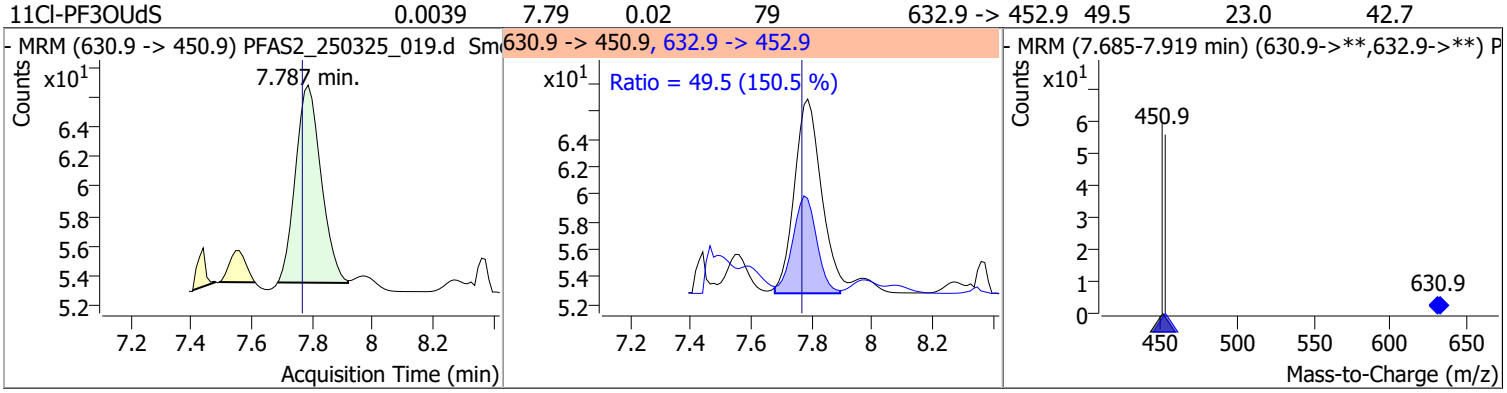
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0012	7.47	-0.04	7	598.9 -> 99.0	14.3	40.4	74.9



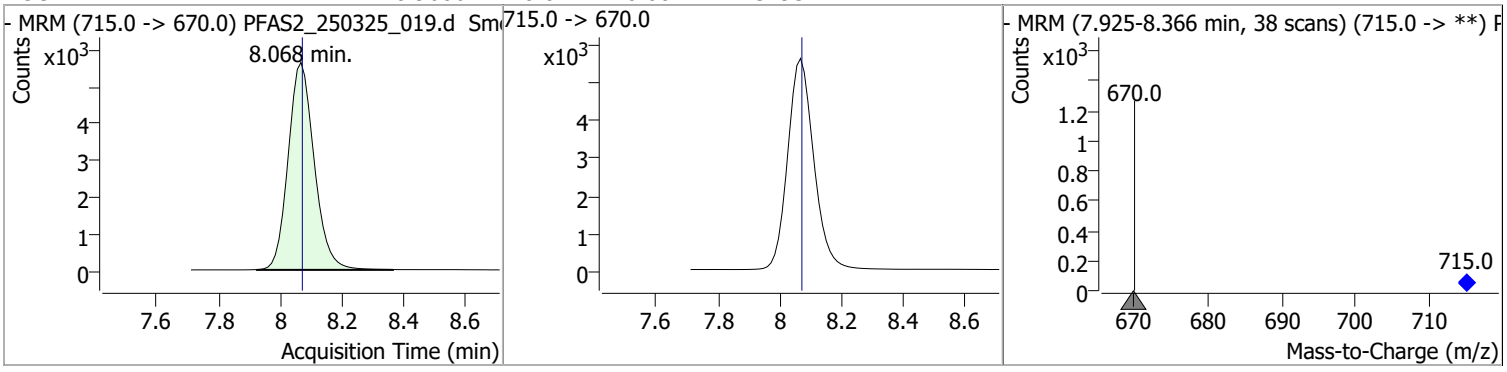
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0018	7.69	-0.01	51	663.0 -> 169.0		7.2	13.4



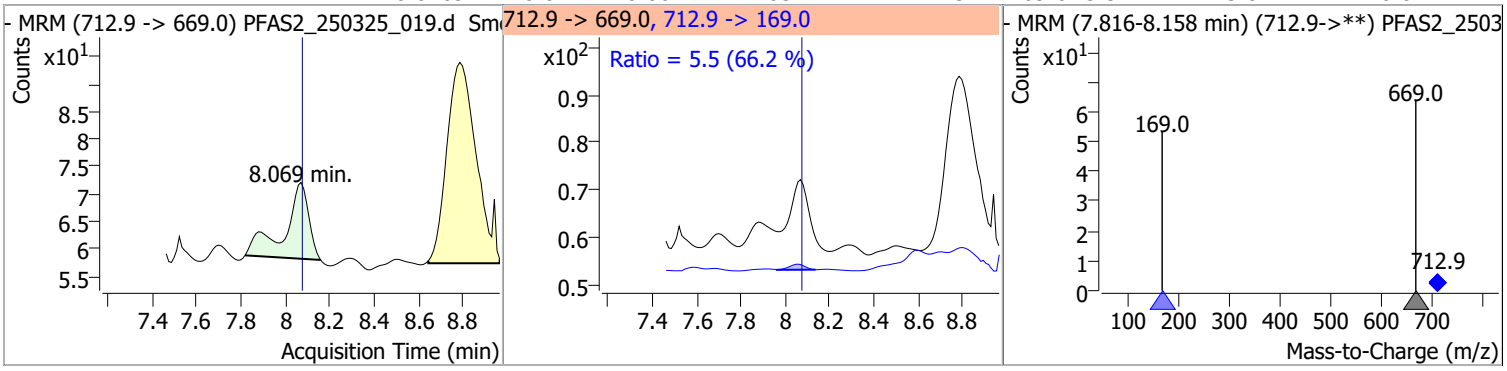
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0039	7.79	0.02	79	632.9 -> 452.9	49.5	23.0	42.7



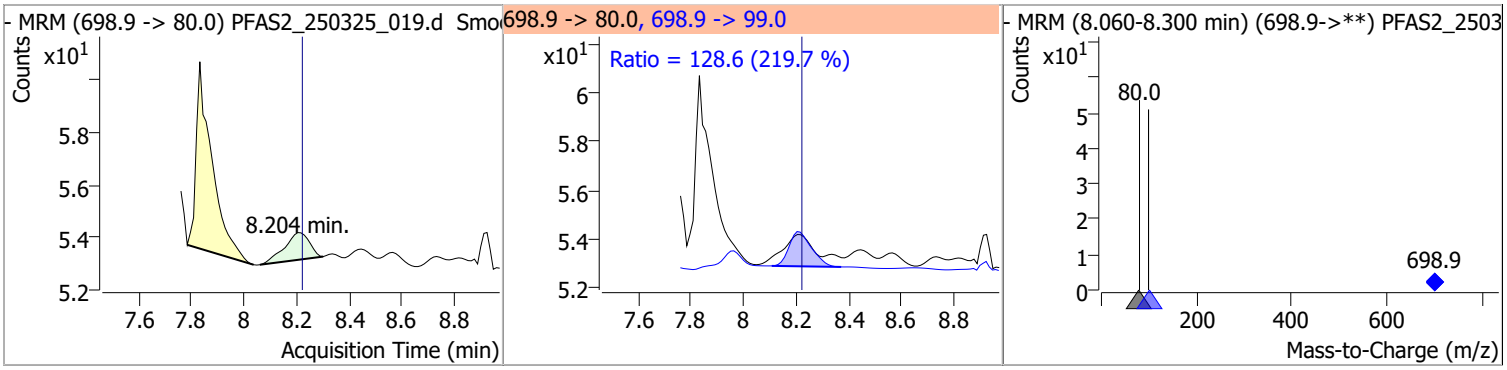
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9606	8.07	0.00	32934				



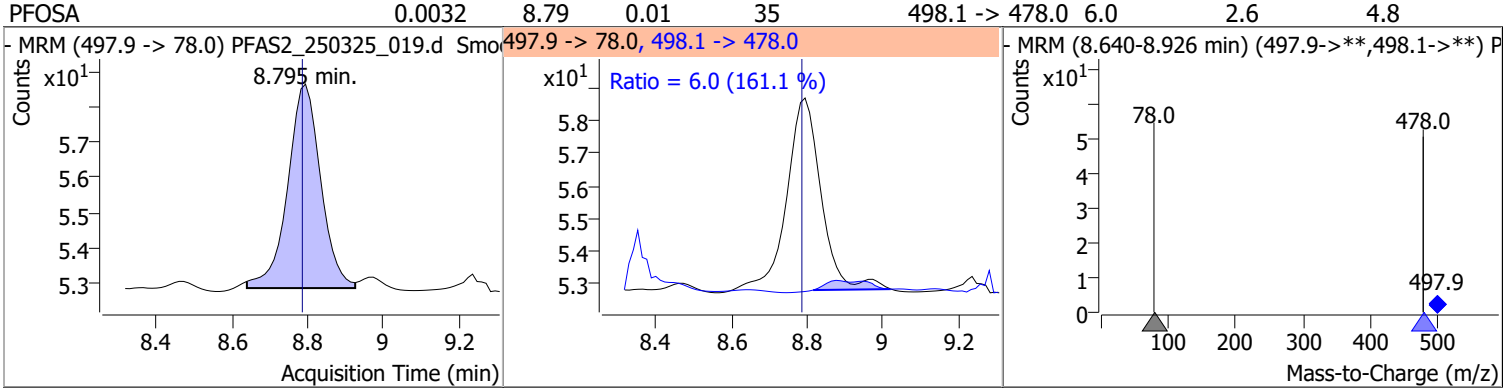
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0109	8.07	0.00	105	712.9 -> 169.0	5.5	5.8	10.8



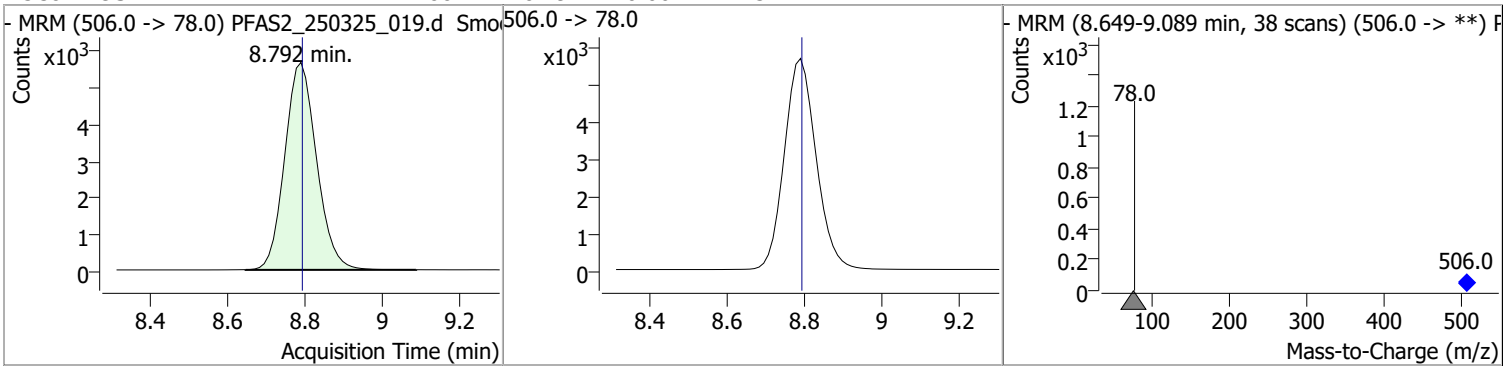
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0017	8.20	-0.01	7	698.9 -> 99.0	128.6	41.0	76.1



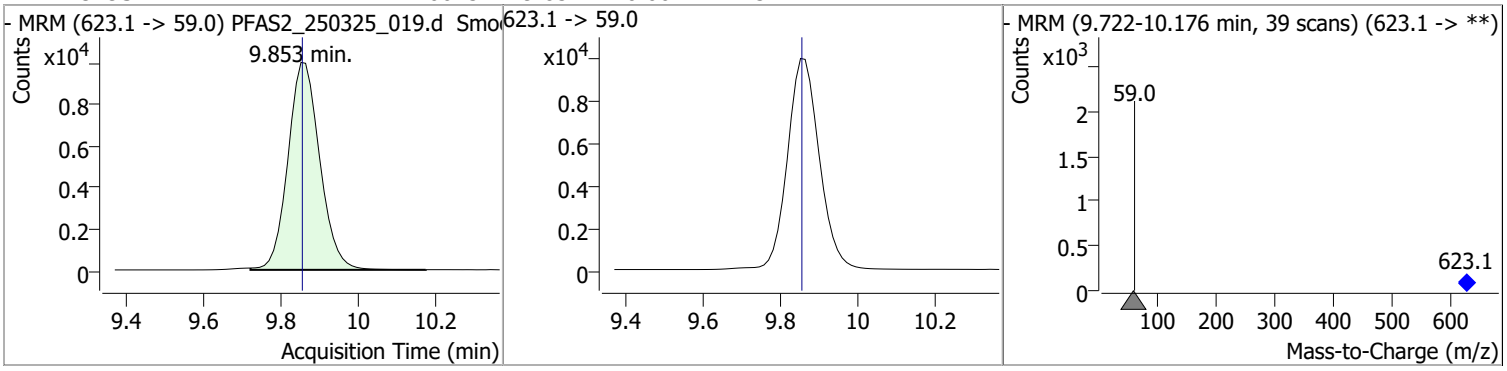
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0032	8.79	0.01	35	498.1 -> 478.0	6.0	2.6	4.8



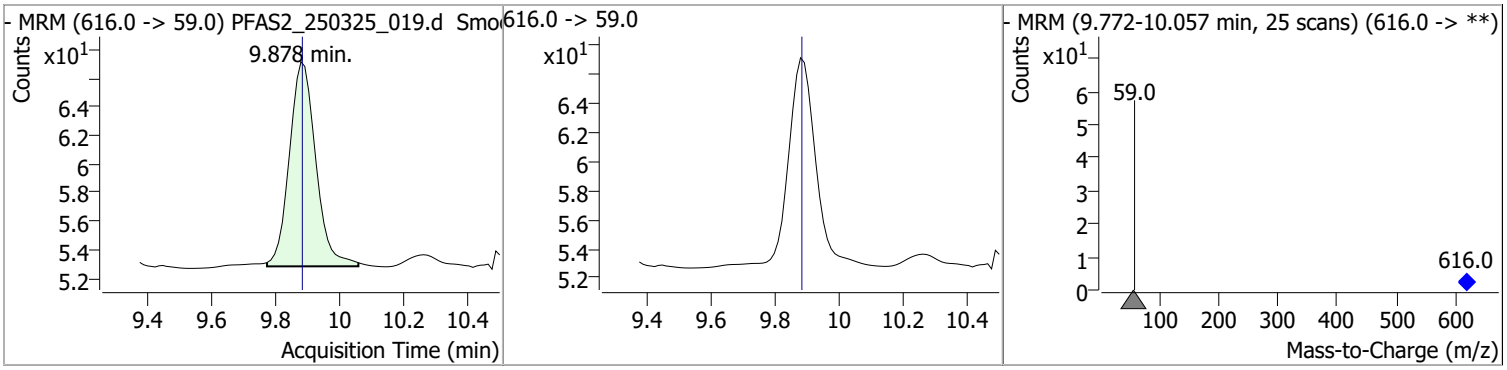
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2884	8.79	0.00	32122				



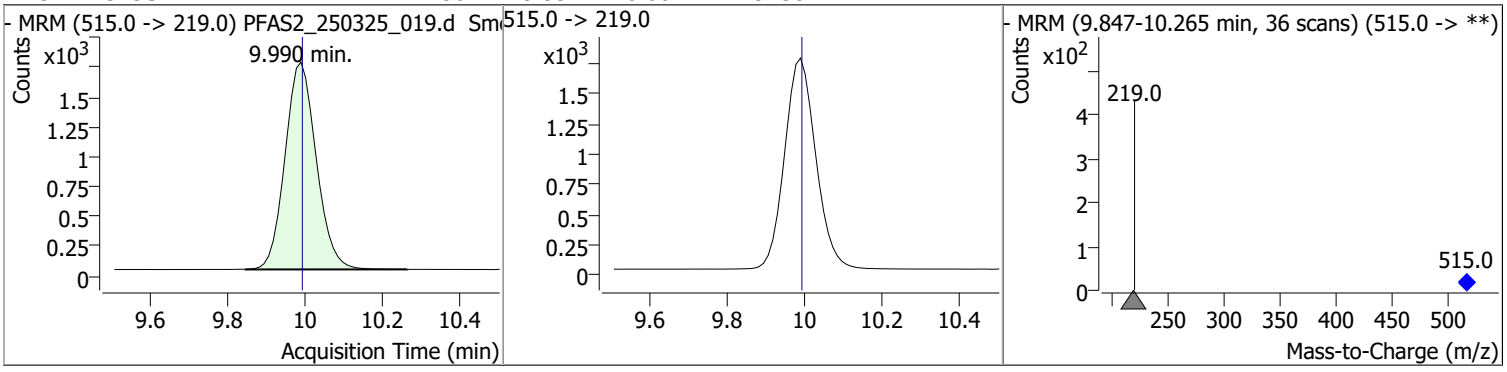
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	12.0045	9.85	0.00	57121				



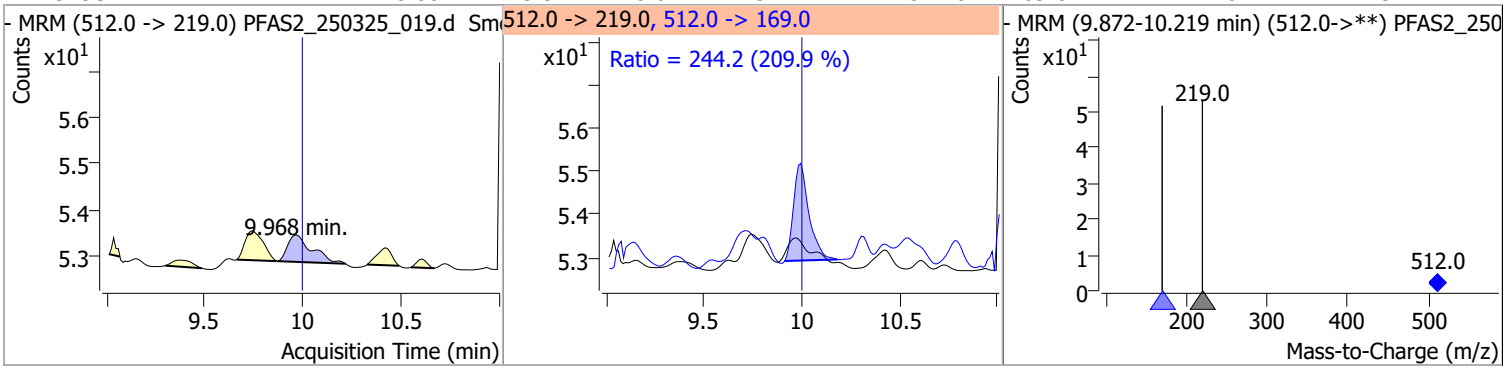
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0013	9.88	0.00	82				



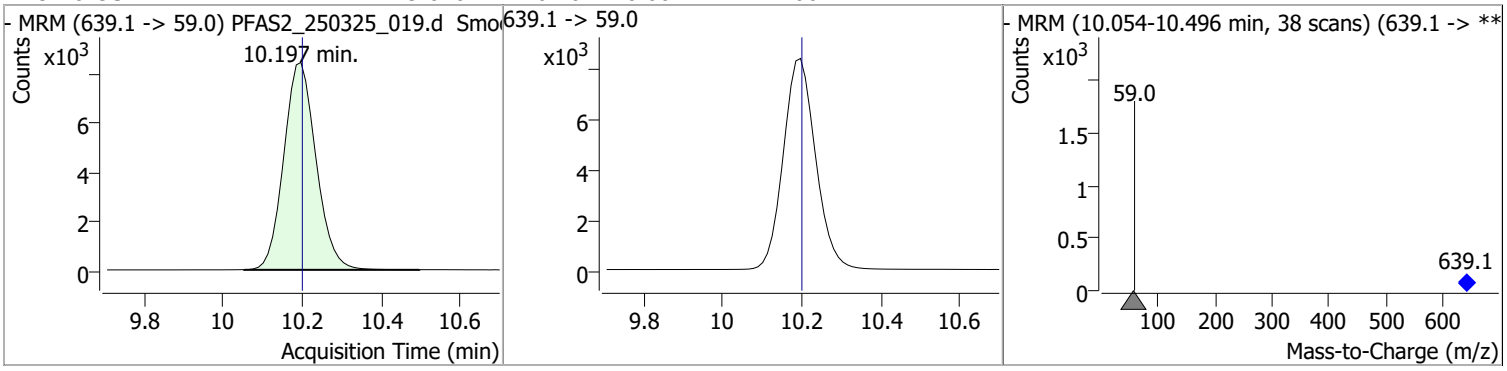
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4750	9.99	0.00	9750				



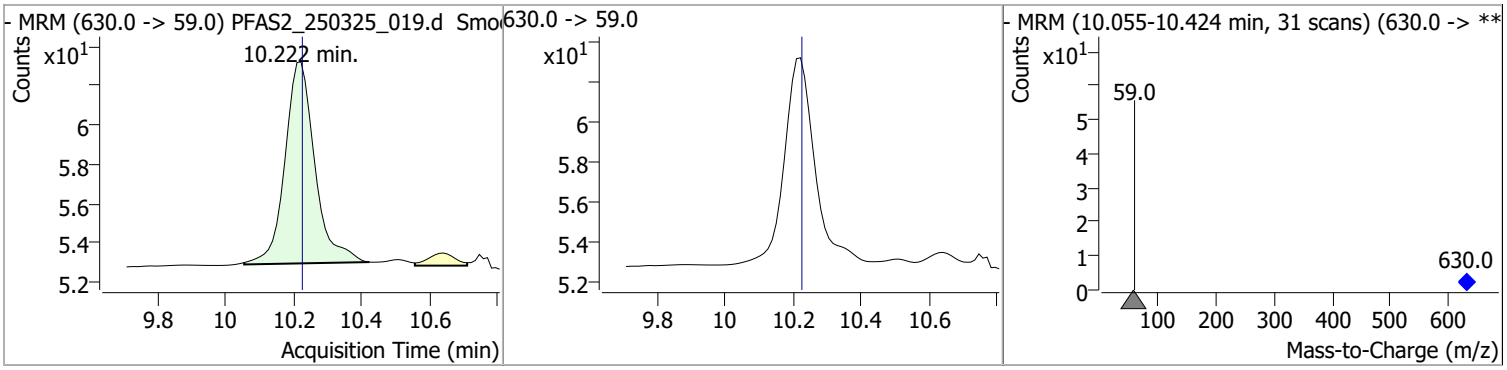
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0014	9.97	-0.02	5	512.0 -> 169.0	244.2	81.4	151.2



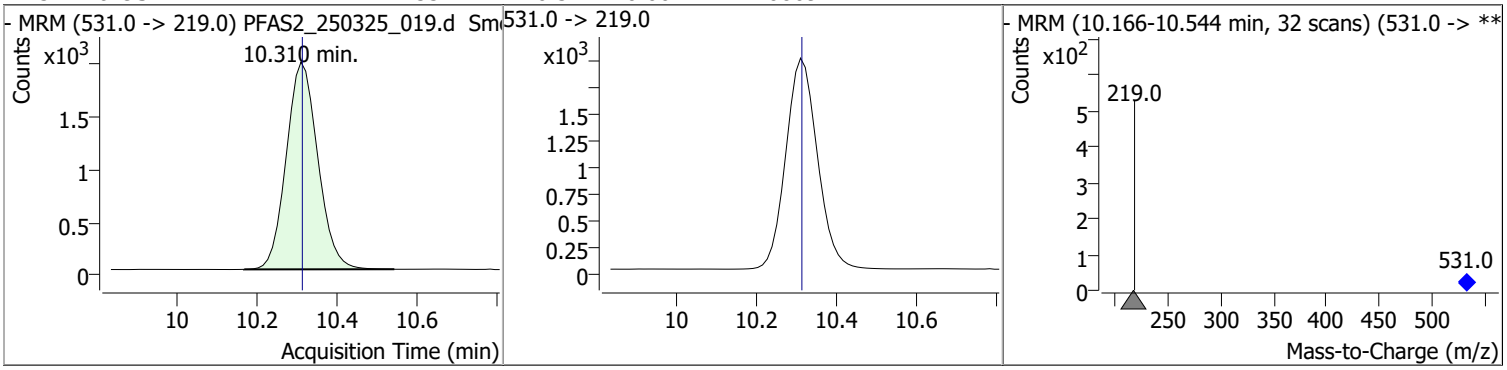
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.8101	10.20	0.00	47700				



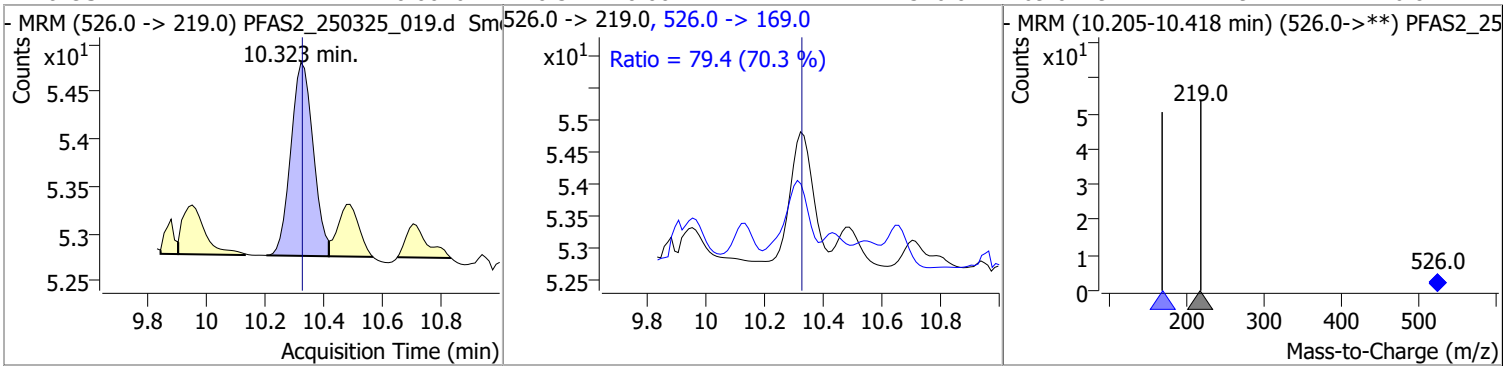
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0464	10.22	0.00	63				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5377	10.31	0.00	10809				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0026	10.32	0.00	11	526.0 -> 169.0	79.4	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BLK1	File ID:	PFAS2_250325_011.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 16:46
		Preparation:	1633 Water	Dilution:	1

Batch: B25C1367 Sequence: S25C0909 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.48	3.20	6.40	U
2706-90-3	PFPeA		0.14	1.60	3.20	U
307-24-4	PFHxA		0.13	0.80	1.60	U
375-85-9	PFHpA		0.16	0.80	1.60	U
335-67-1	PFOA	0.44	0.12	0.80	1.60	J
375-95-1	PFNA		0.09	0.80	1.60	U
335-76-2	PFDA		0.13	0.80	1.60	U
2058-94-8	PFUnA		0.19	0.80	1.60	U
307-55-1	PFDoA		0.11	0.80	1.60	U
72629-94-8	PFTrDA		0.07	0.80	1.60	U
376-06-7	PFTeDA		0.12	0.80	1.60	U
375-73-5	PFBS		0.19	0.71	1.42	U
2706-91-4	PFPeS		0.21	0.76	1.51	U
355-46-4	PFHxS		0.23	0.73	1.46	U
375-92-8	PFHpS		0.41	0.76	1.52	U
1763-23-1	PFOS	0.66	0.22	0.93	1.86	J
68259-12-1	PFNS		0.20	0.77	1.54	U
335-77-3	PFDS		0.14	0.77	1.54	U
79780-39-5	PFDoS		0.08	0.78	1.55	U
757124-72-4	4:2FTS		0.41	3.00	6.00	U
27619-97-2	6:2FTS		2.77	3.04	6.08	U
39108-34-4	8:2FTS		0.61	3.07	6.14	U
754-91-6	PFOSA		0.10	0.80	1.60	U
31506-32-8	NMeFOSA		0.26	0.80	1.60	U
4151-50-2	NEtFOSA		0.31	0.80	1.60	U
2355-31-9	NMeFOSAA		0.44	0.80	1.60	U

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BLK1	File ID:	PFAS2_250325_011.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 16:46
		Preparation:	1633 Water	Dilution:	1
Batch:	B25C1367	Sequence:	S25C0909	Calibration:	OC250106
Instrument:	PFAS2				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.80	1.60	U
24448-09-7	NMeFOSE		1.01	8.00	16.0	U
1691-99-2	NEtFOSE		1.26	8.00	16.0	U
13252-13-6	HFPO-DA		0.41	1.60	3.20	U
919005-14-4	ADONA		0.15	1.51	3.02	U
756426-58-1	9CL-PF3ONS		0.18	1.50	2.99	U
763051-92-9	11CL-PF3OUdS		0.31	1.51	3.02	U
356-02-5	3:3FTCA		0.66	3.20	6.40	U
914637-49-3	5:3FTCA		3.66	16.0	32.0	U
812-70-4	7:3FTCA		3.06	16.0	32.0	U
113507-82-7	PFEESA		0.17	1.42	2.85	U
377-73-1	PFMPA		0.11	1.60	3.20	U
863090-89-5	PFMBA		0.12	1.60	3.20	U
151772-58-6	NFDHA		0.45	1.60	3.20	U

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:46:50 PM
Sample Name	B25C1367-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

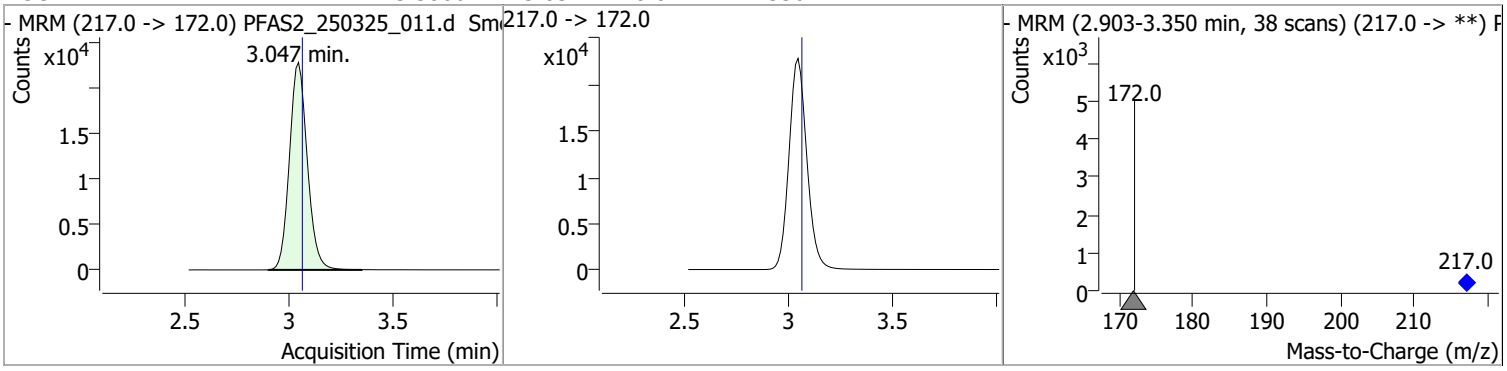
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	106829	5.0000	µg/L		-21.932
13C2-PFHxA	4.890	315.0 -> 270.0	120463	2.5000	µg/L		-21.484
18O2-PFHxS	5.943	403.0 -> 84.0	24414	2.5000	µg/L		-17.603
13C4-PFOA	5.810	417.0 -> 172.0	12739	2.5000	µg/L		-17.536
13C5-PFNA	6.214	468.0 -> 423.0	61855	1.2500	µg/L		-13.091
13C2-PFDA	6.592	515.0 -> 470.0	53278	1.2500	µg/L		-20.333
13C4-PFOS	6.759	503.0 -> 80.0	20345	2.5000	µg/L		-18.324
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	135624	10.0000	µg/L		-56.367
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.87%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25208	5.0000	µg/L	#	-0.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 121.58%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C3-PFBS	4.929	302.0 -> 80.0	49752	2.5000	µg/L		-18.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.54%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	140533	10.0000	µg/L		-19.590
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.41%			
13C4-PFHpA	5.385	367.0 -> 322.0	158389	2.5000	µg/L		-16.146
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.83%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13853	5.0000	µg/L	#	-6.203
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.96%			
13C8-PFOA	5.809	421.0 -> 376.0	145490	2.5000	µg/L		-15.775
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C9-PFNA	6.213	472.0 -> 427.0	61134	1.2500	µg/L		-13.241
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9737	5.0000	µg/L	#	-17.803
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C6-PFDA	6.591	519.0 -> 474.0	58155	1.2500	µg/L		-14.428
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.31%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46476	5.0000	µg/L		-16.737
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.83%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34103	5.0000	µg/L		-19.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.96%			
13C7-PFUnDA	6.966	570.0 -> 525.0	45585	1.2500	µg/L		-14.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.73%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	31224	1.2500	µg/L		-29.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.70%			
13C2-PFDoDA	7.344	615.0 -> 570.0	36060	1.2500	µg/L		-9.725
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.33%			
13C2-PFTDA	8.068	715.0 -> 670.0	26388	1.2500	µg/L		-45.349
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.39%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	54447	25.0000	µg/L		-56.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.10%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8248	2.5000	µg/L		-20.458
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H9-EtFOSE	10.197	639.1 -> 59.0	45882	25.0000	µg/L		-27.756
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.42%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9216	2.5000	µg/L		-18.008
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.754	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.627	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.834	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.904	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.227	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.495	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.363	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.564	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	437	0.0439	µg/L		90
PFHxS	5.945	398.9 -> 80.0	203	0.0185	µg/L		98
PFNA	5.892	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.282	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.580	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.801	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	303	0.0663	µg/L		92
N-EtFOSAA	6.941	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.896	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	6.993	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.076	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.332	613.0 -> 569.0	0	0.0000	µg/L	md	

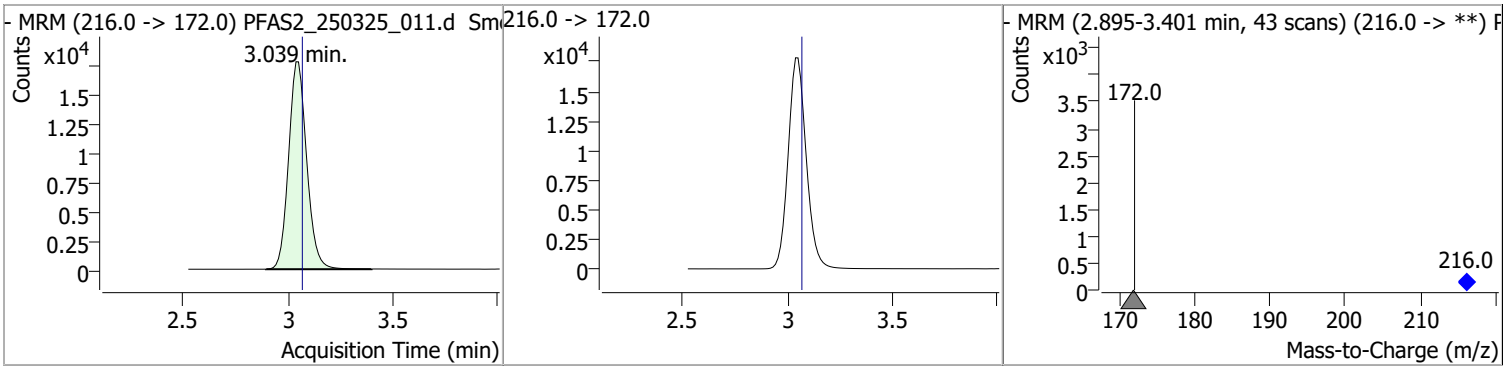
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.502	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.617	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.763	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.216	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	47	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

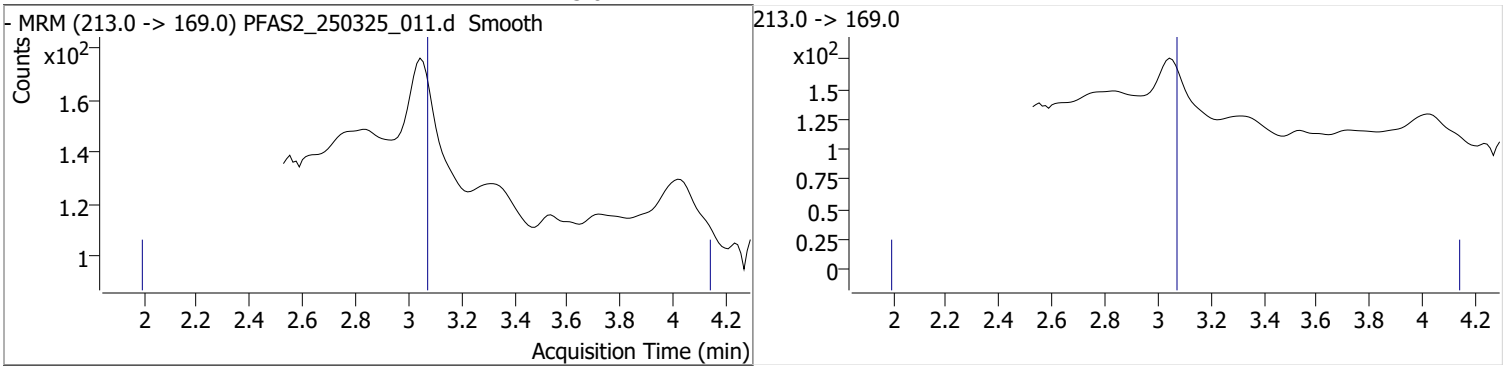
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5866	3.05	-0.01	135624				



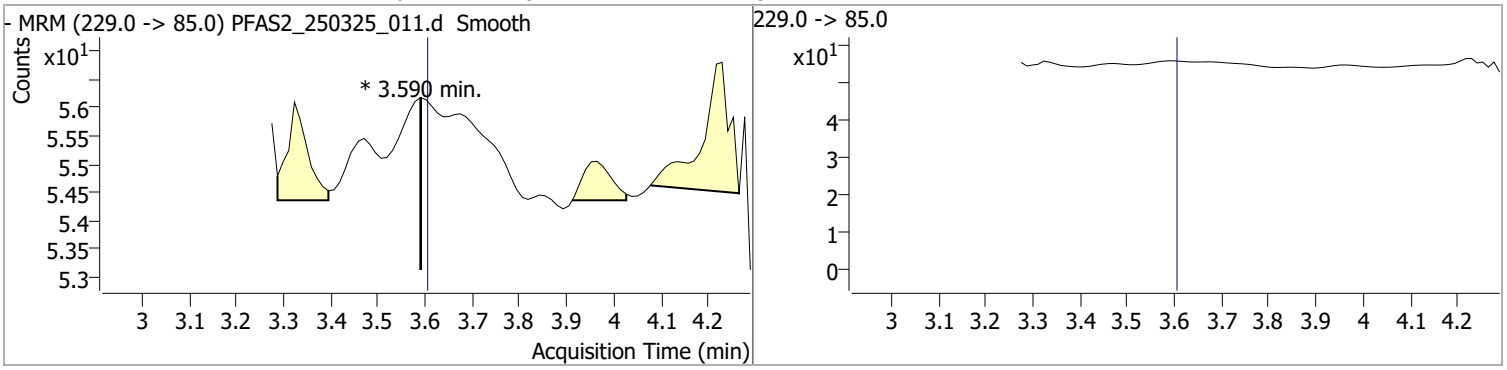
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.04	-0.02	106829				



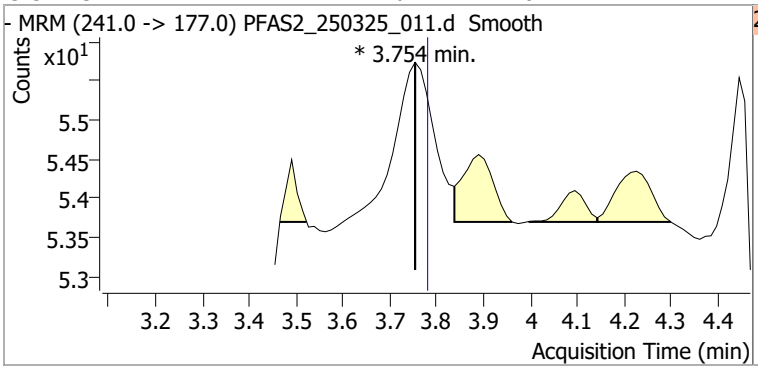
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		

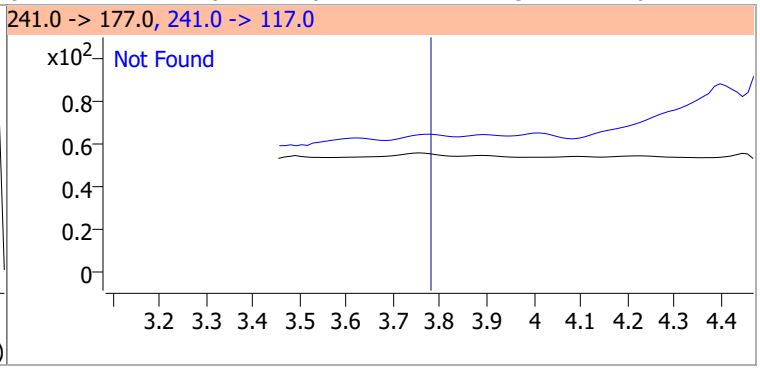


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

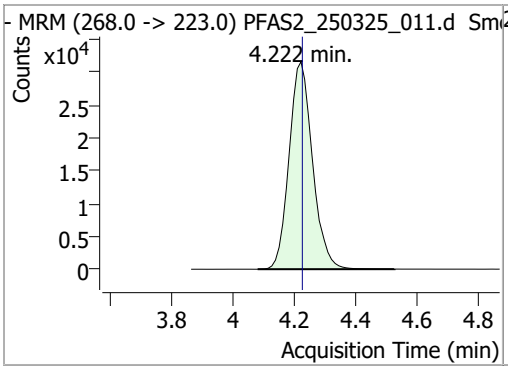


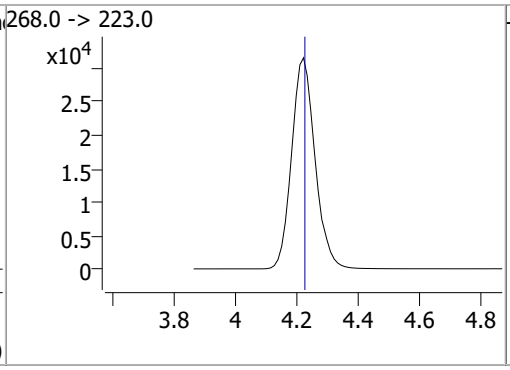
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

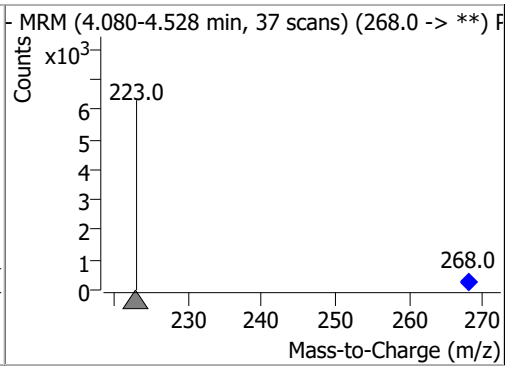




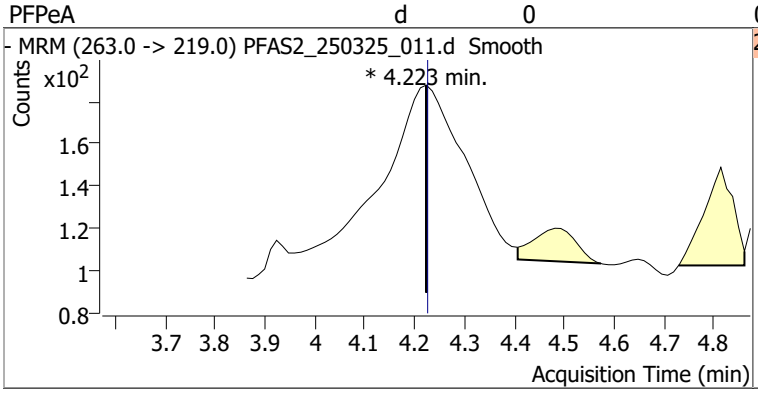
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1601	4.22	0.00	167657				

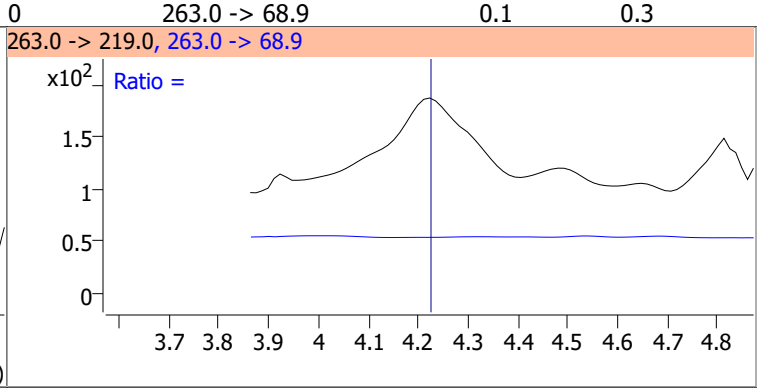




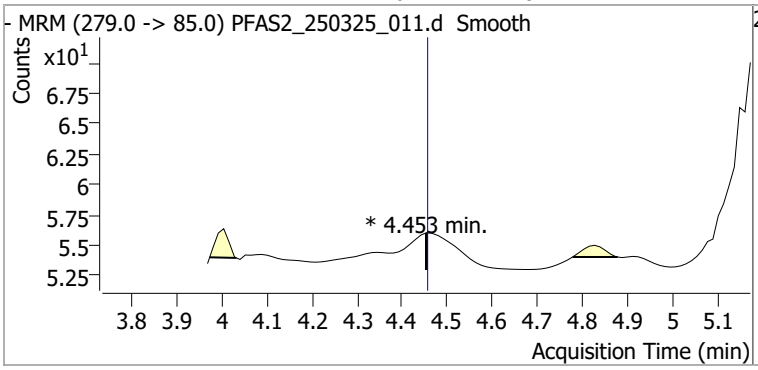


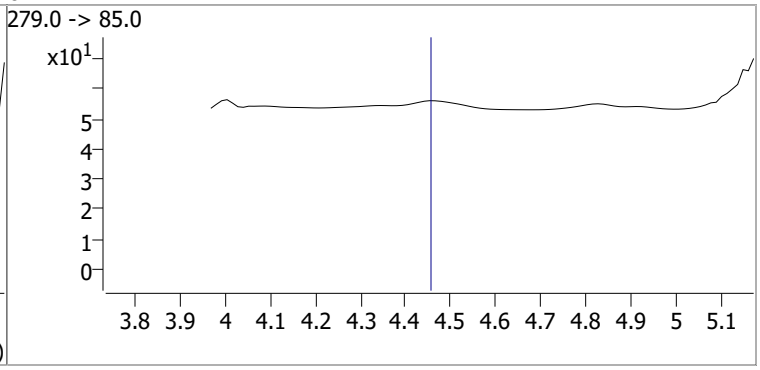
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



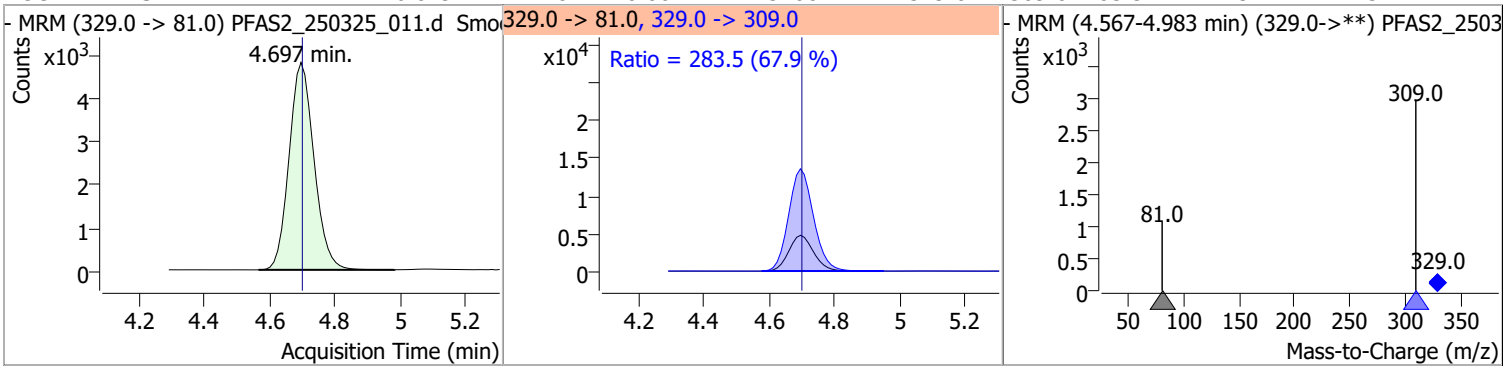


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

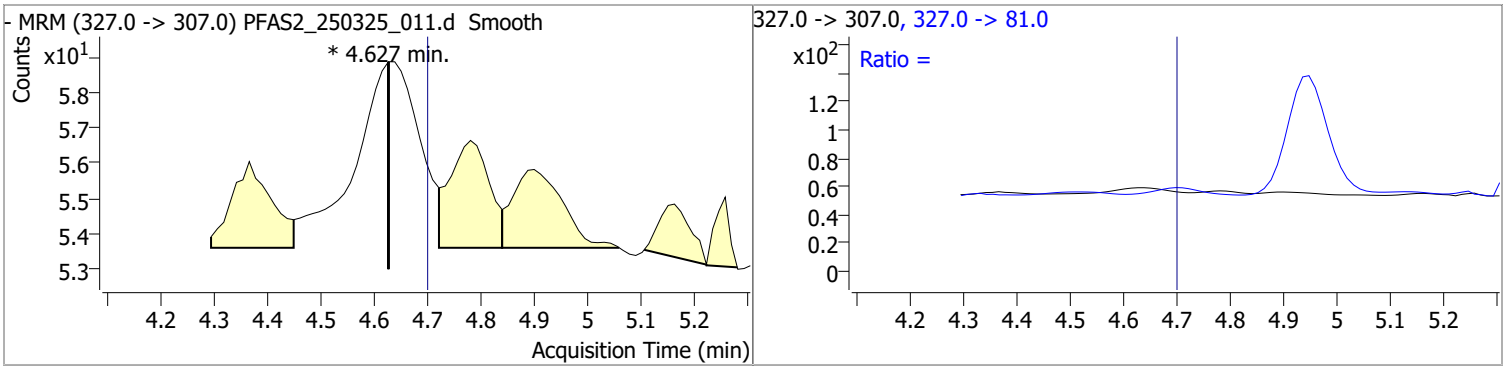




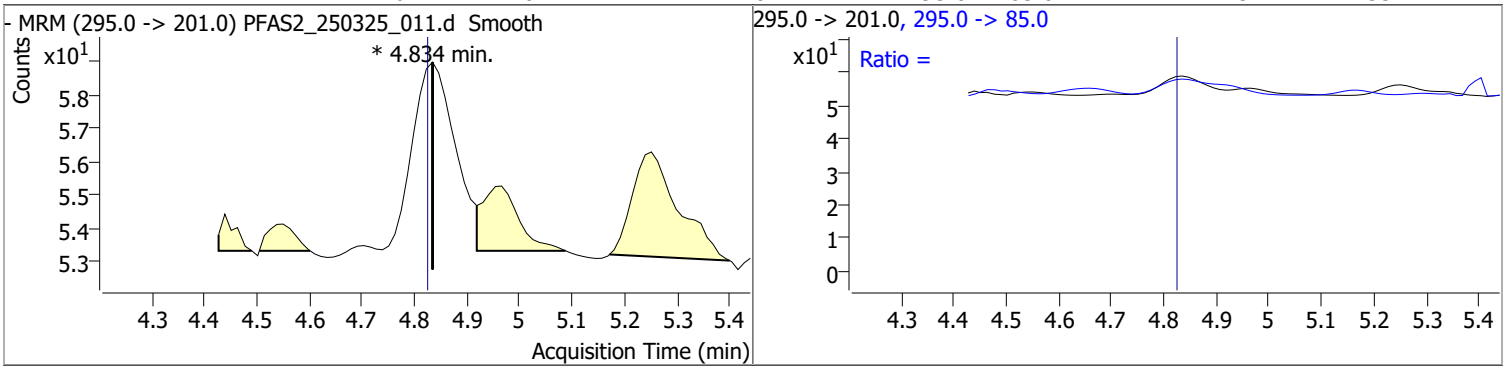
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0792	4.70	0.00	25208	329.0 -> 309.0	283.5	292.1	542.4



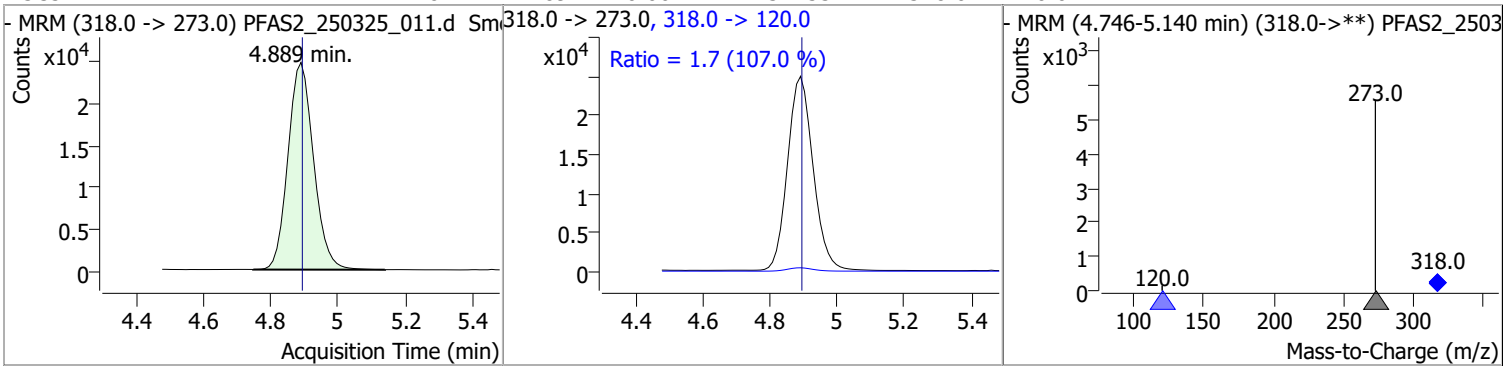
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



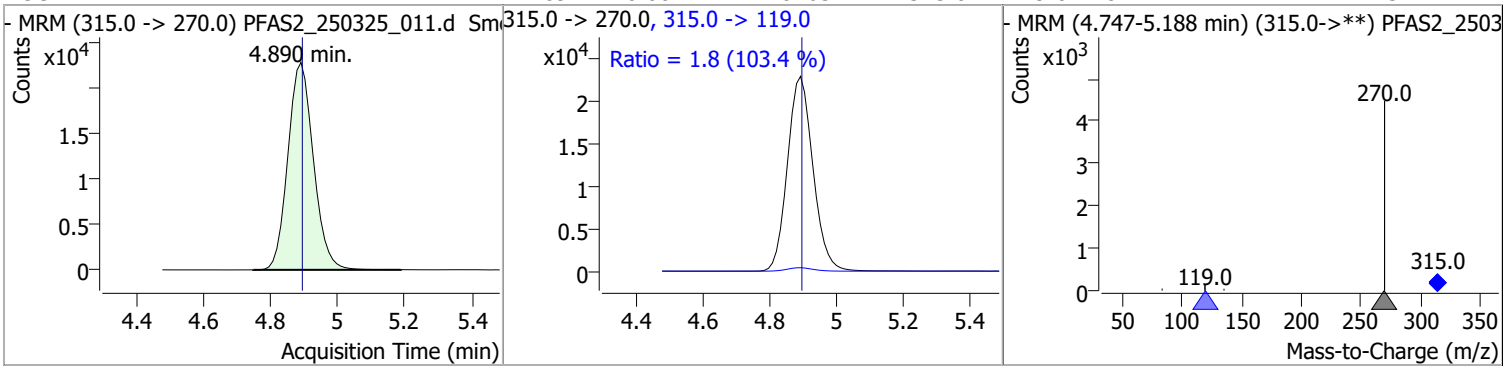
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



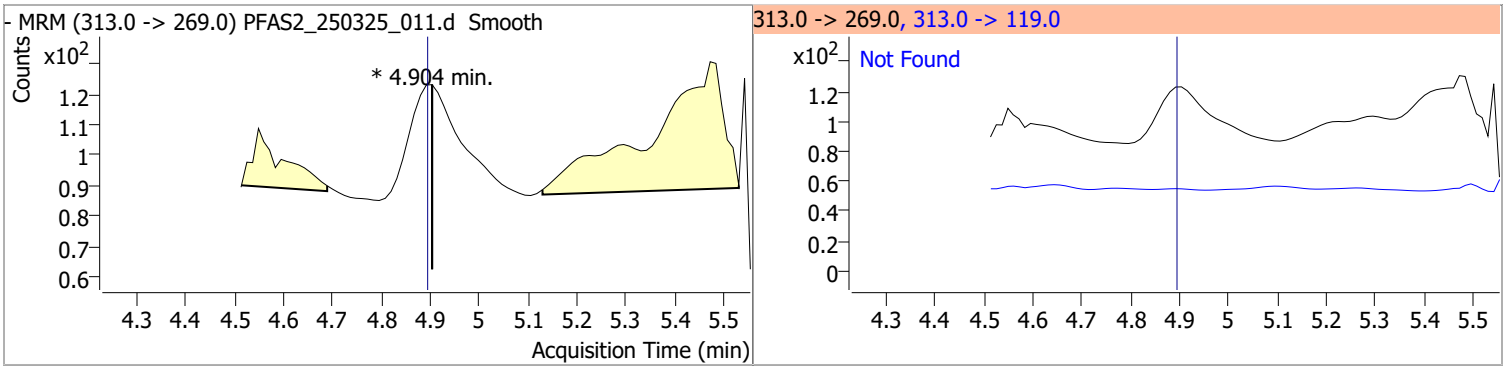
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4841	4.89	0.00	131753	318.0 -> 120.0	1.7	1.1	2.1



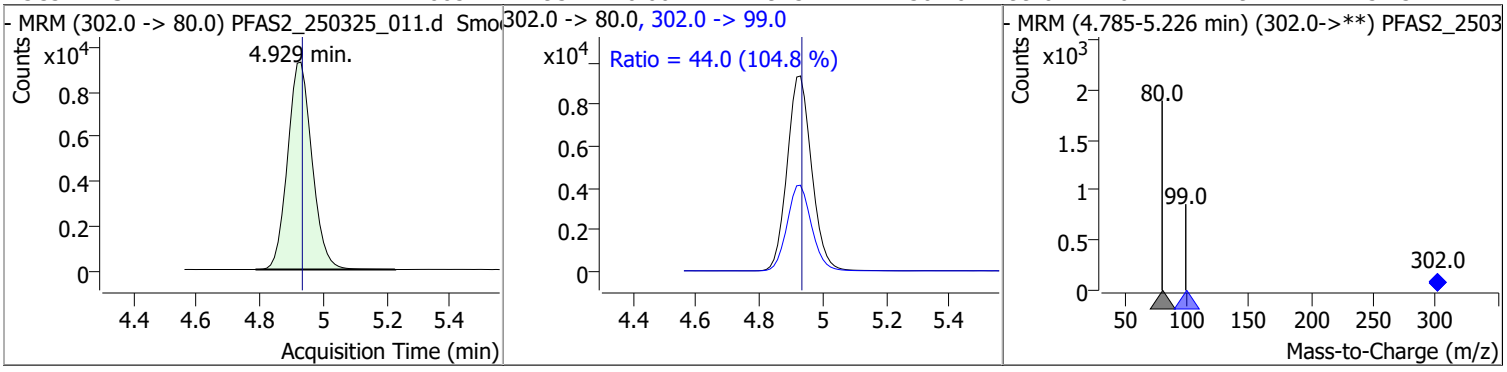
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	120463	315.0 -> 119.0	1.8	1.2	2.3



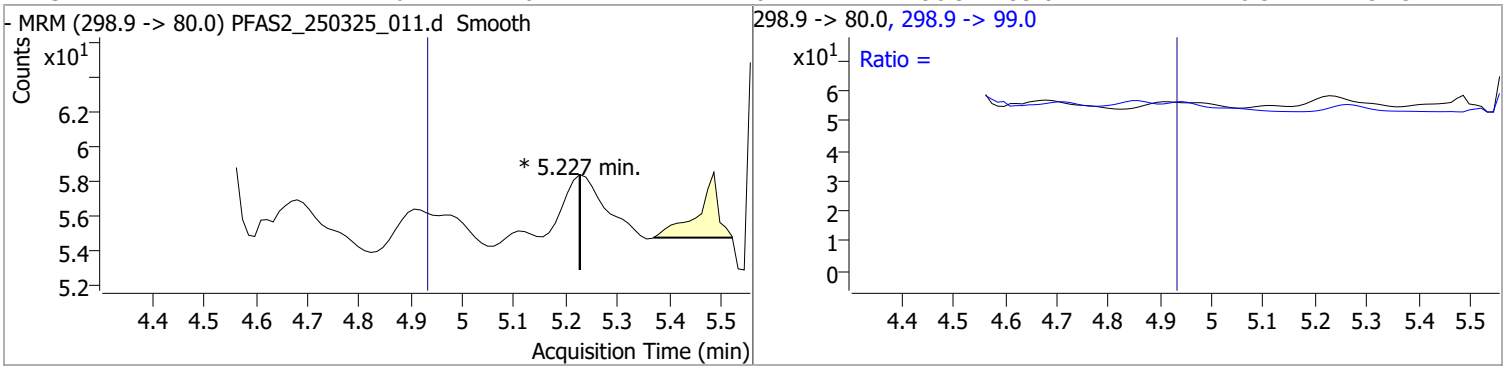
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



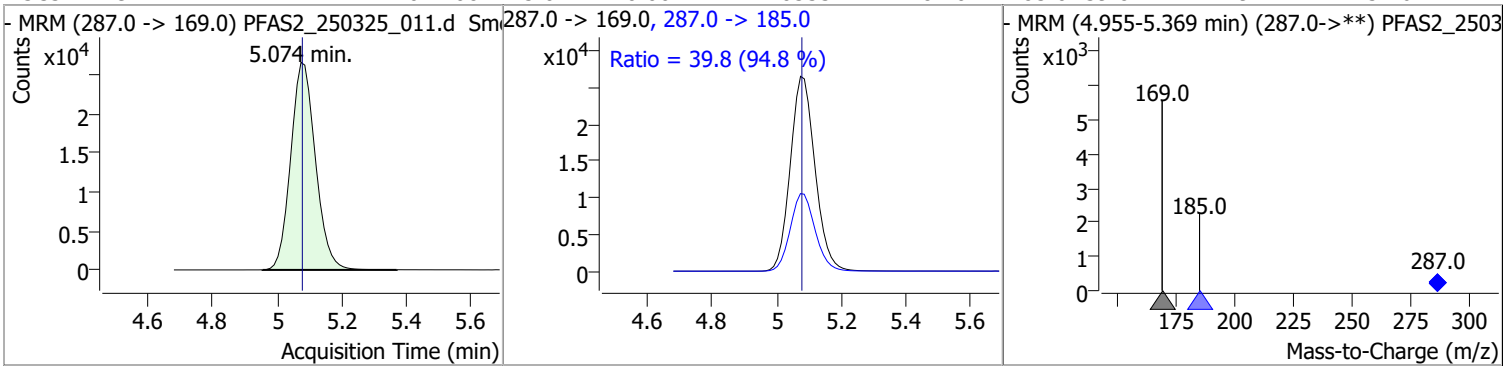
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4885	4.93	0.00	49752	302.0 -> 99.0	44.0	29.4	54.5



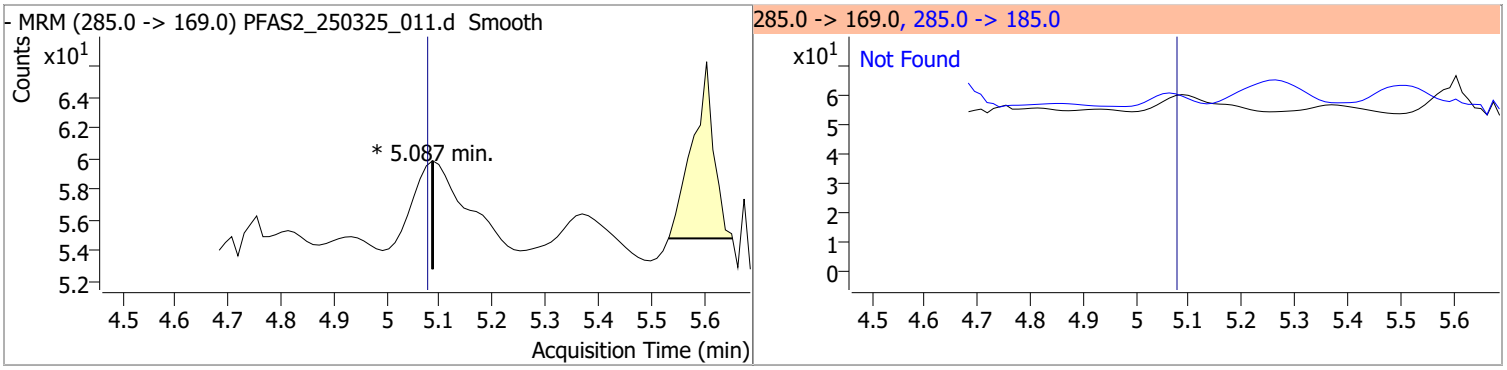
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



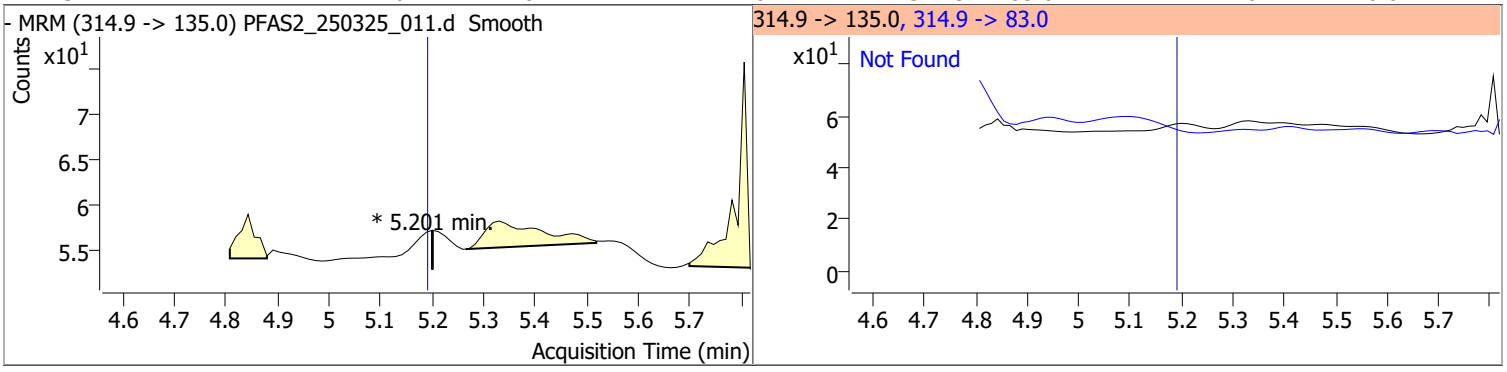
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2408	5.07	0.00	140533	287.0 -> 185.0	39.8	29.4	54.6



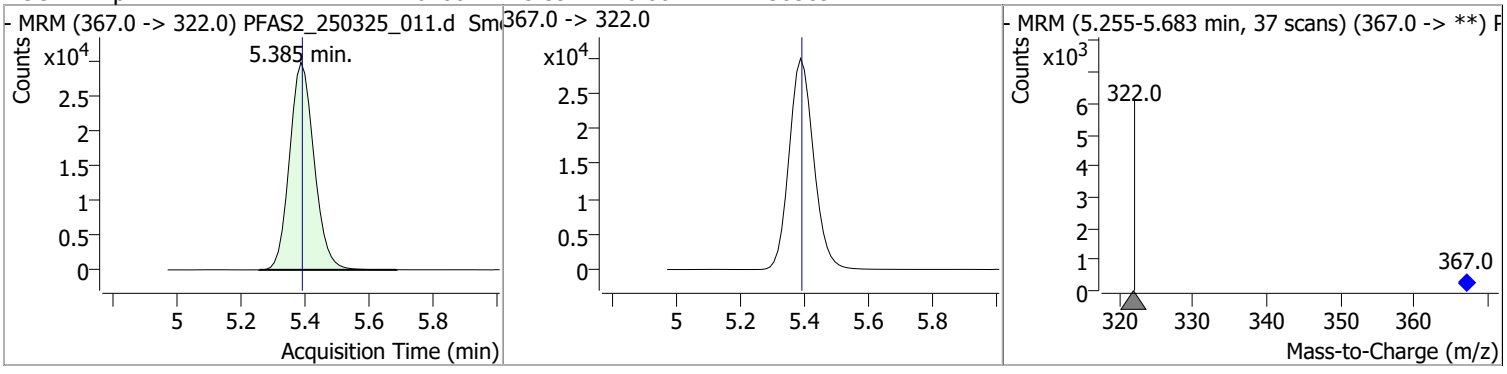
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



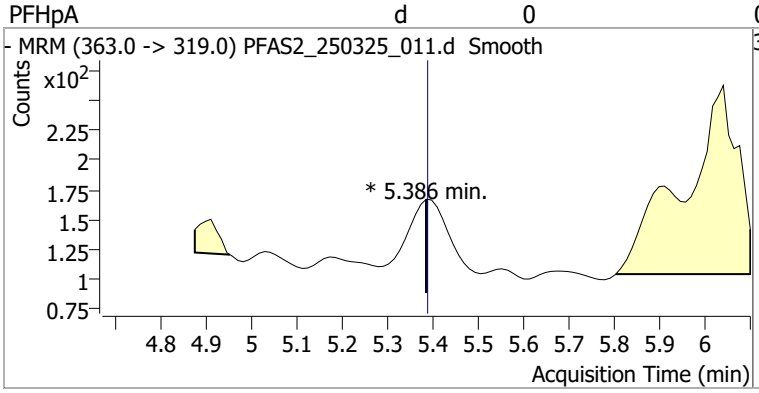
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

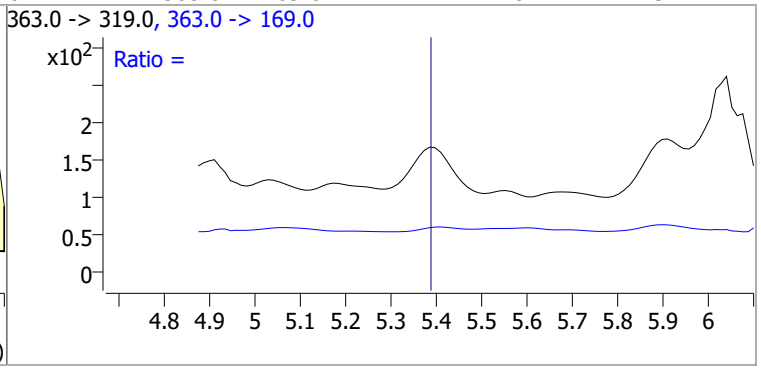


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6708	5.39	0.00	158389				

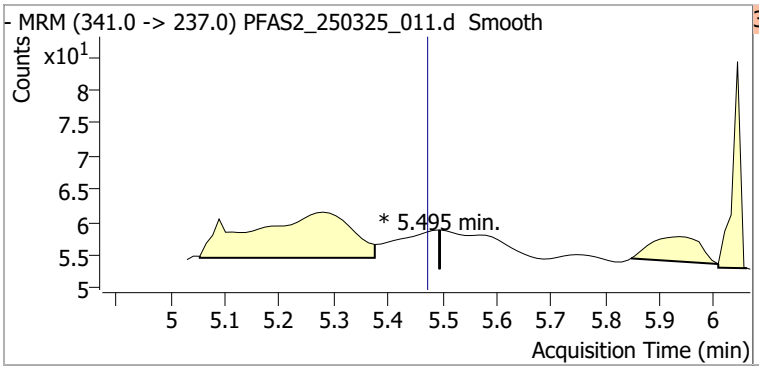


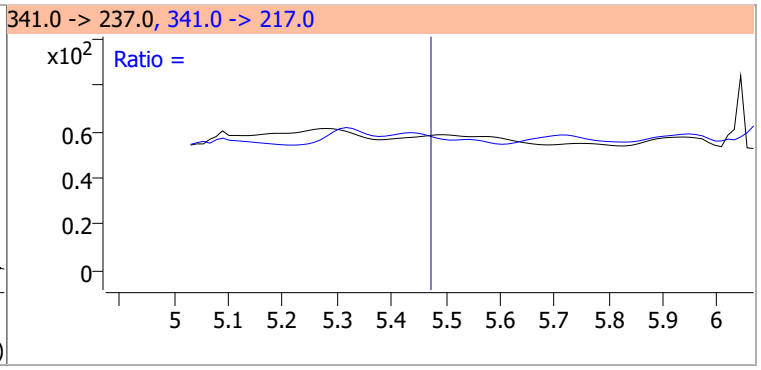
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



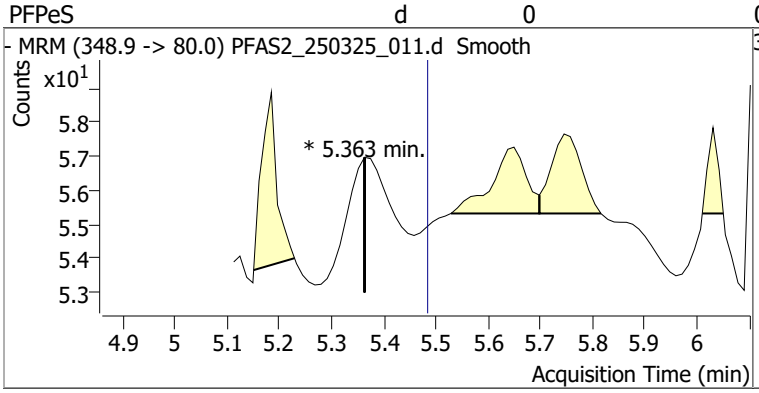


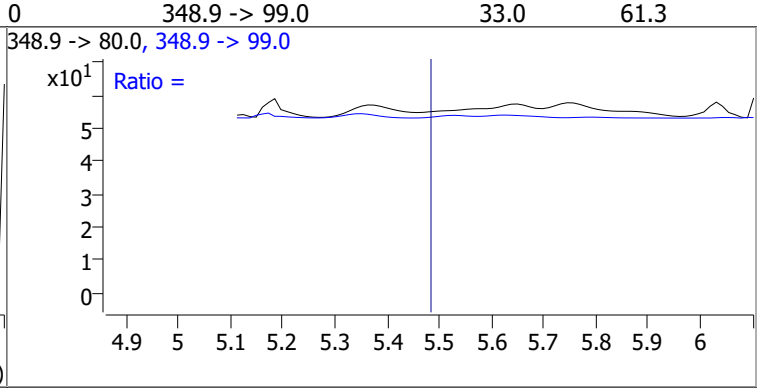
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



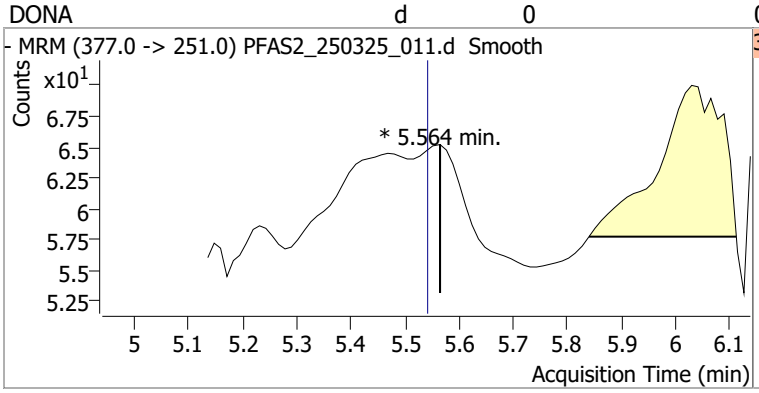


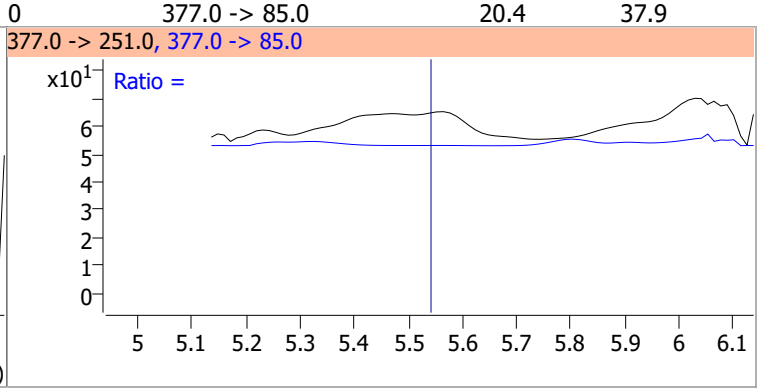
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



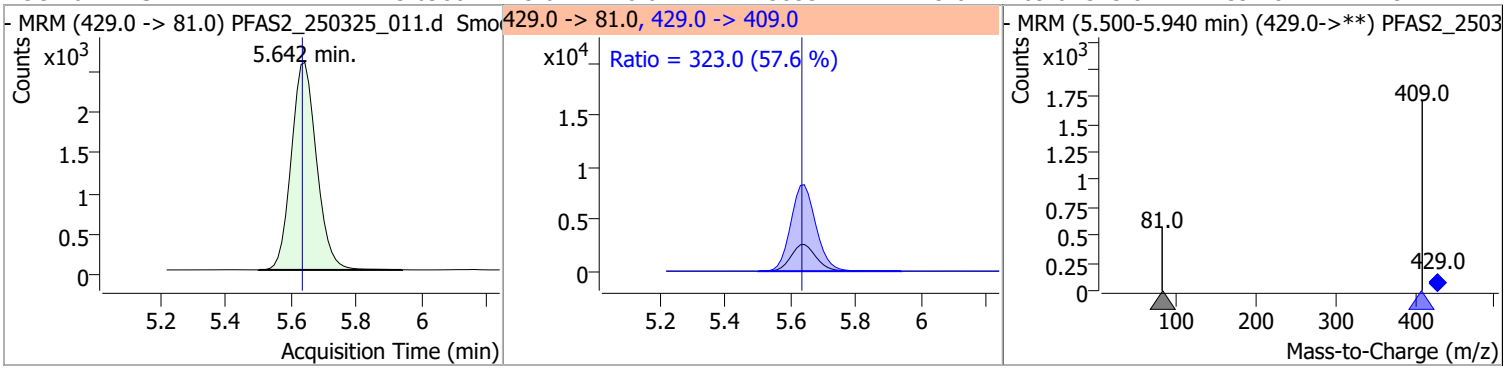


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

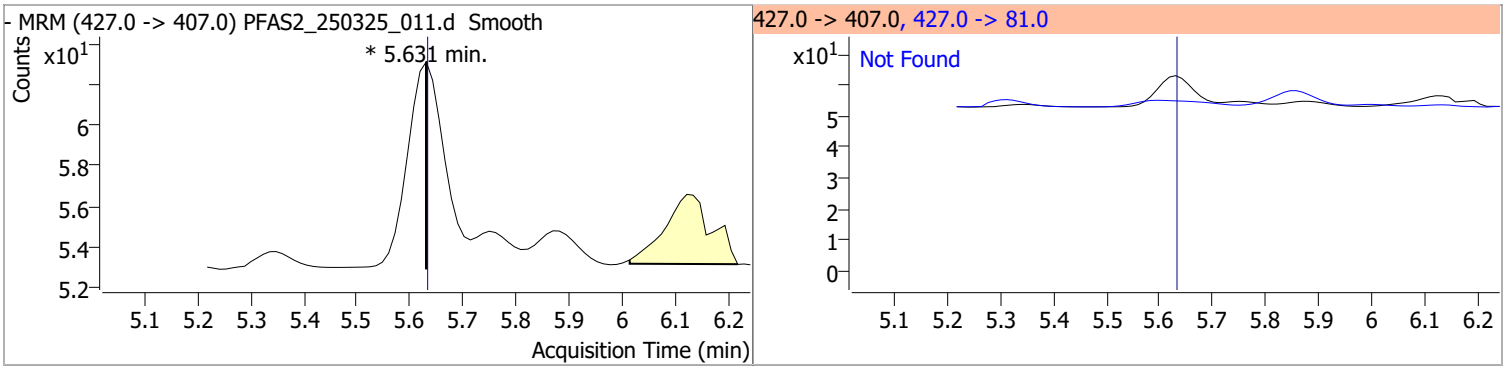




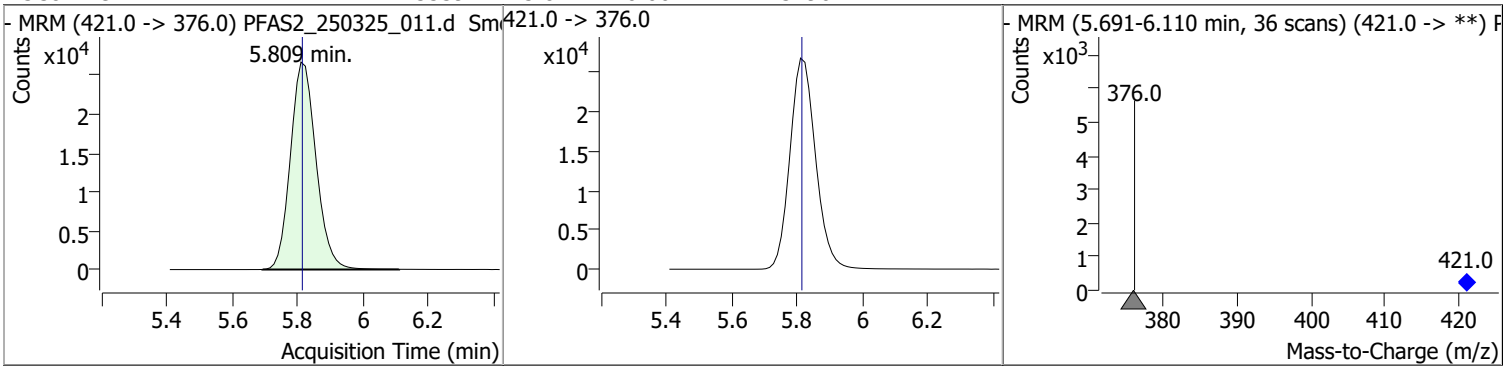
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6980	5.64	0.01	13853	429.0 -> 409.0	323.0	392.8	729.4



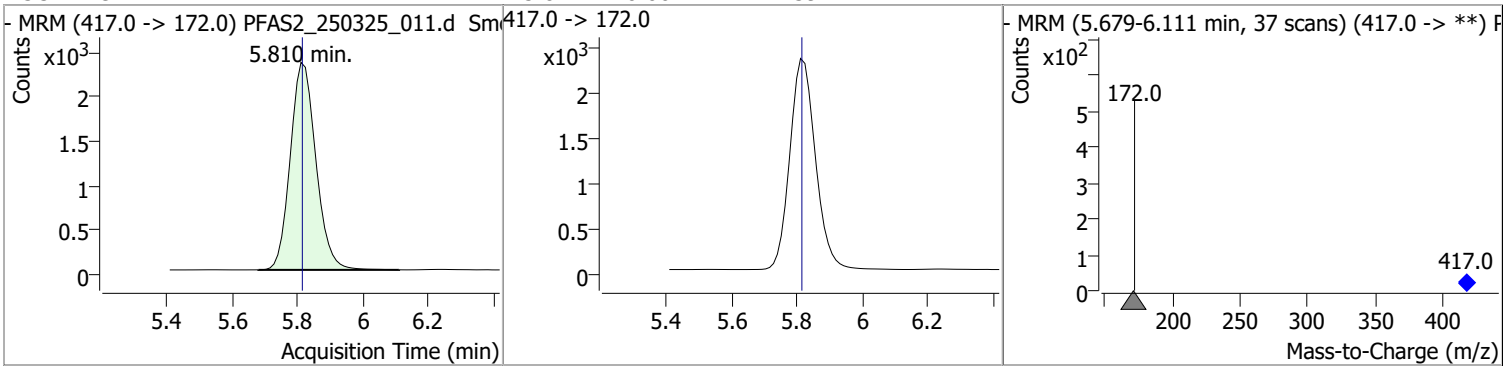
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



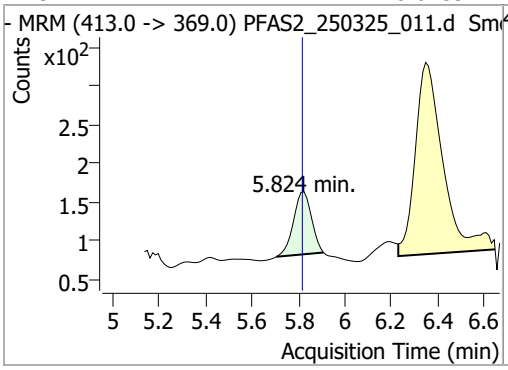
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5539	5.81	0.00	145490				

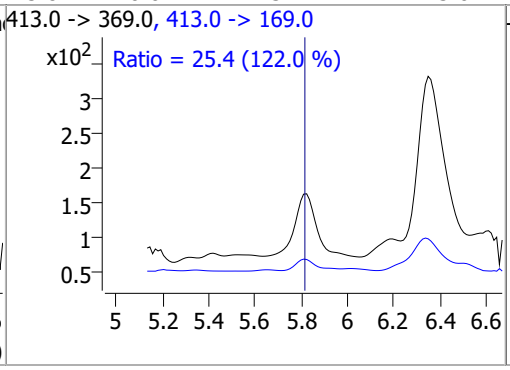


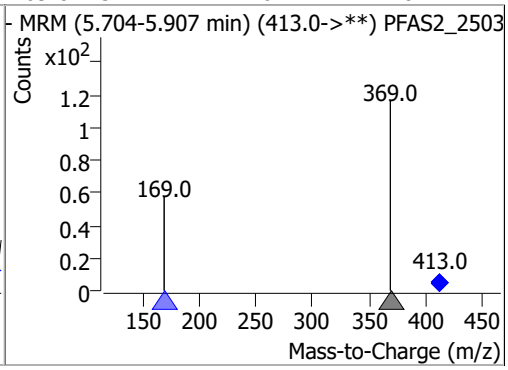
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	12739				



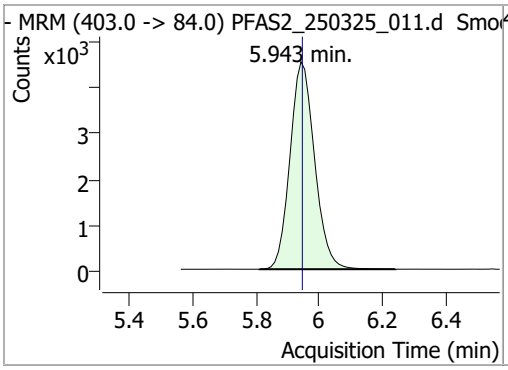
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0439	5.82	0.01	437	413.0 -> 169.0	25.4	14.6	27.0

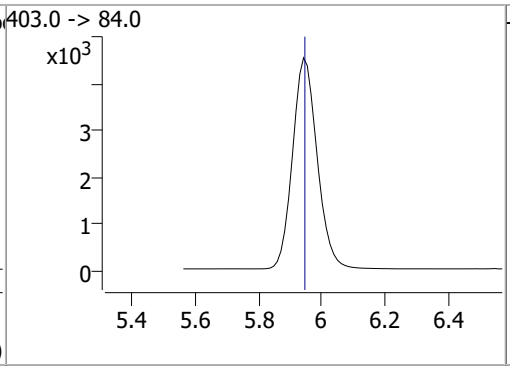


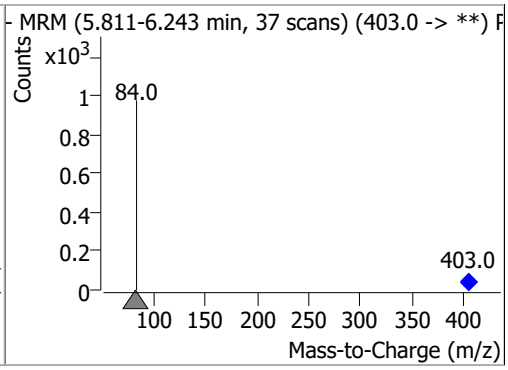




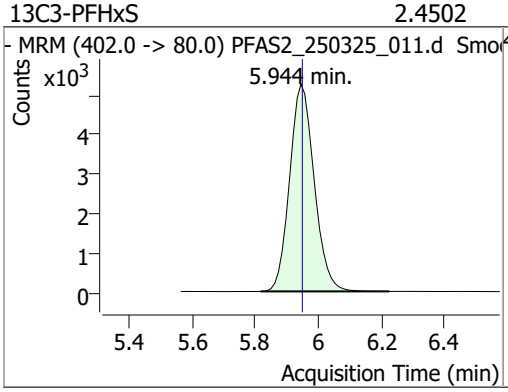
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	24414				

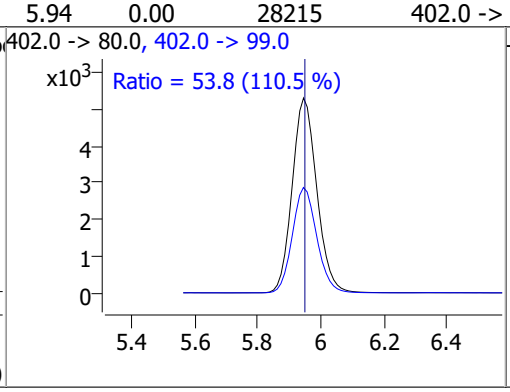


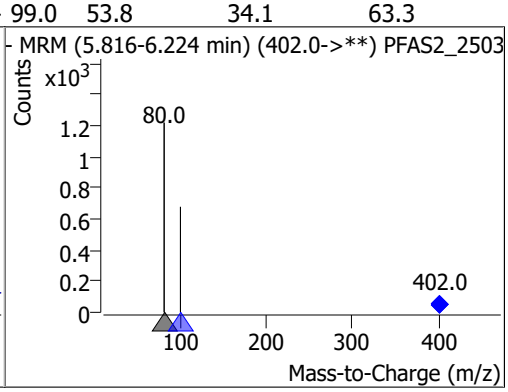




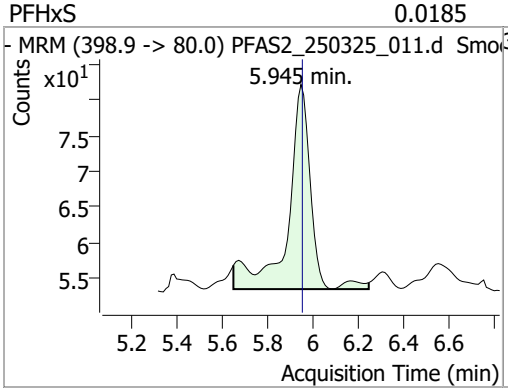
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4502	5.94	0.00	28215	402.0 -> 99.0	53.8	34.1	63.3

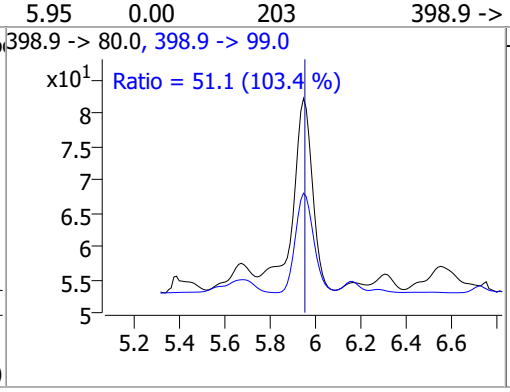


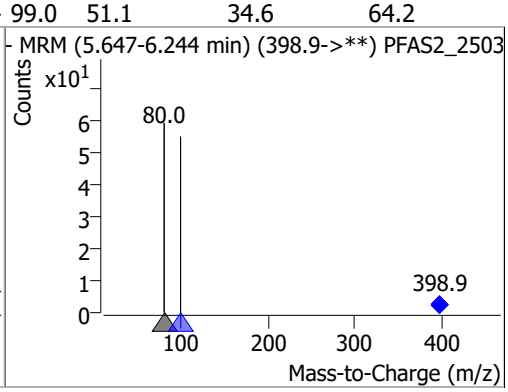




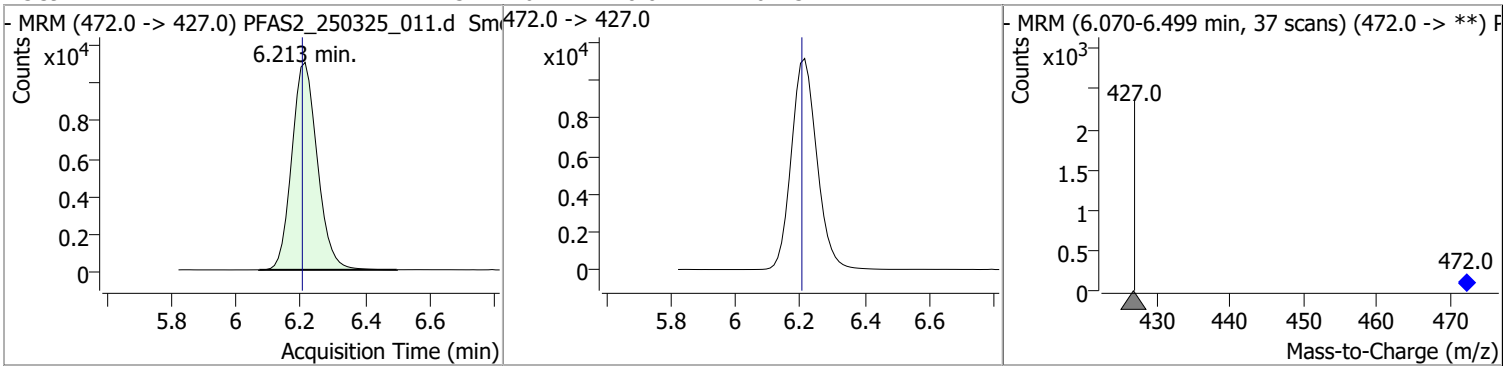
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0185	5.95	0.00	203	398.9 -> 99.0	51.1	34.6	64.2



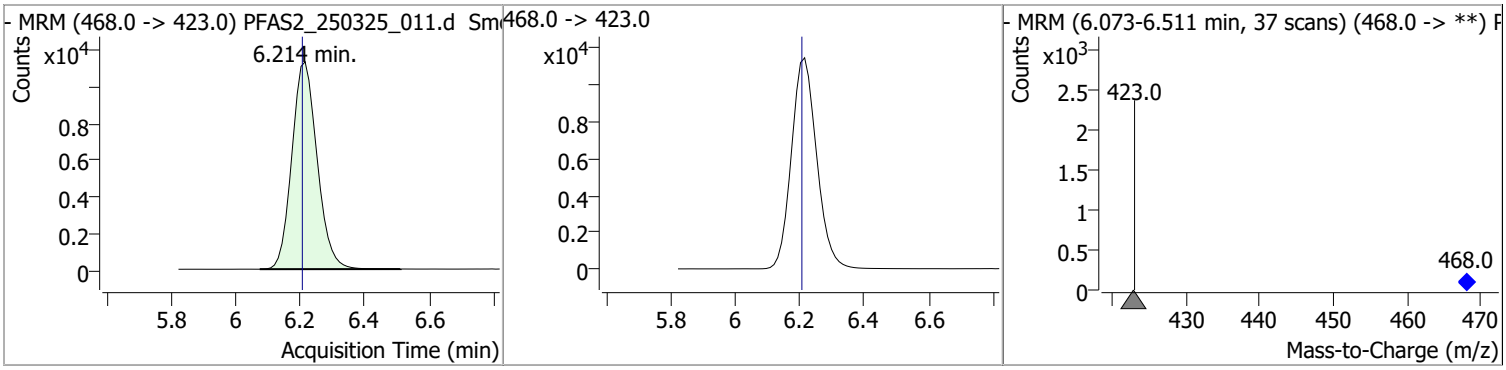




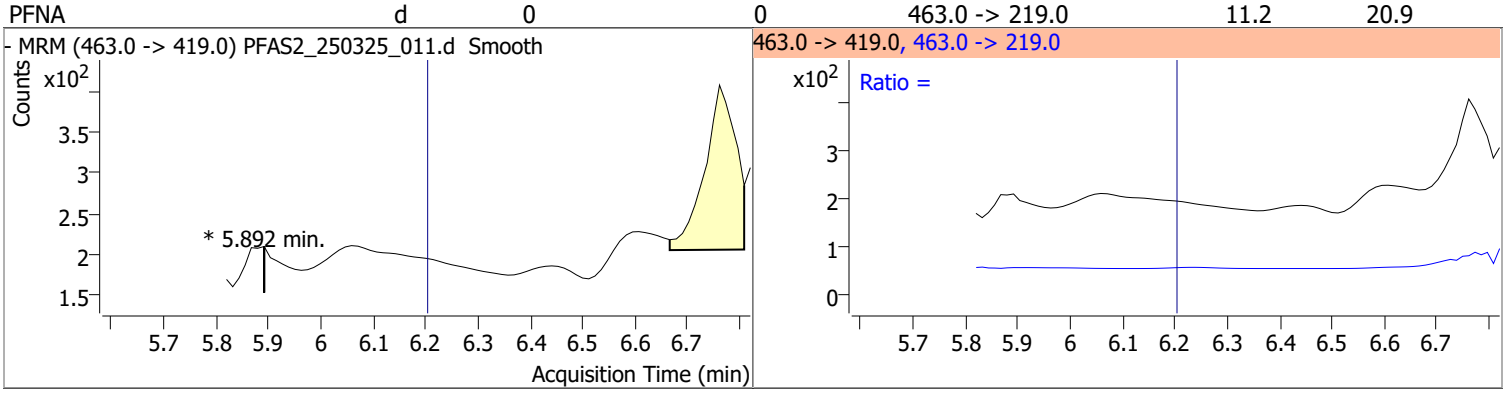
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2473	6.21	0.01	61134				



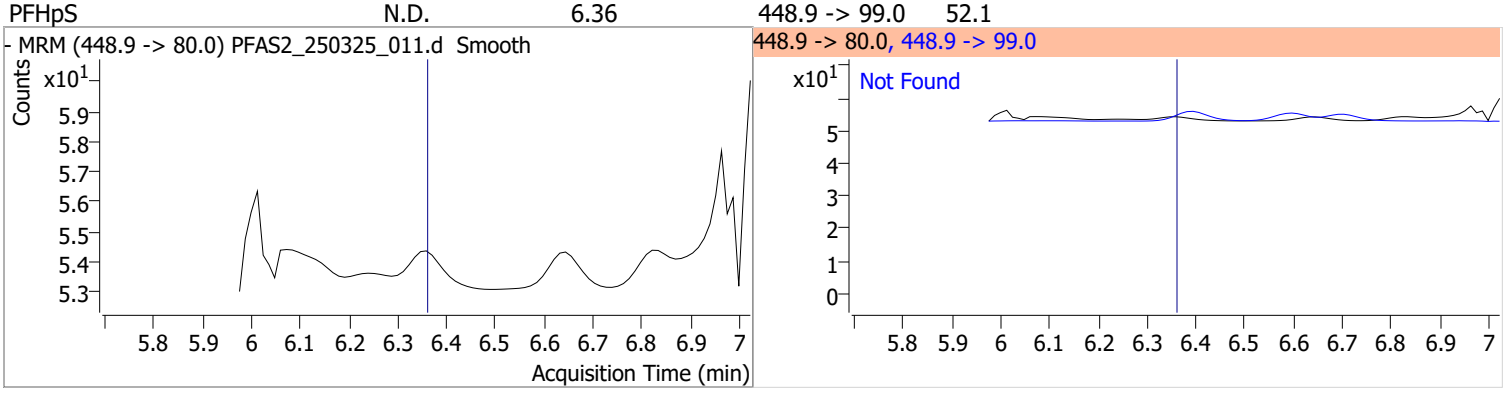
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	61855				



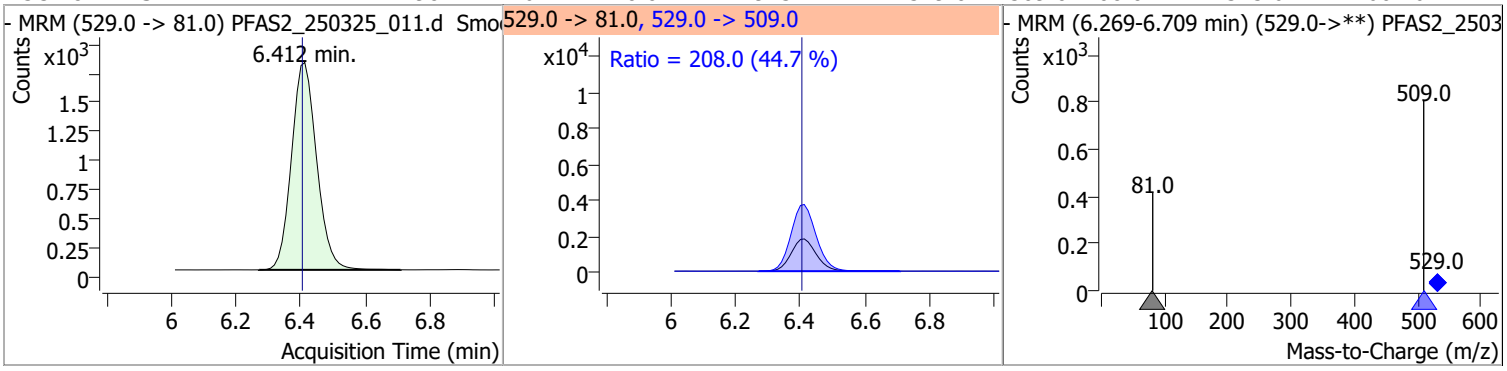
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



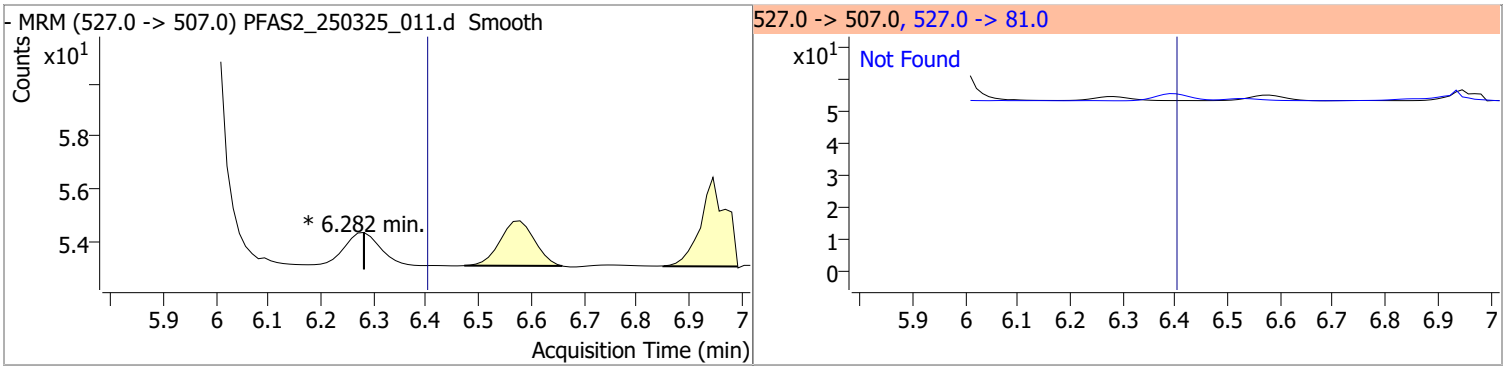
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



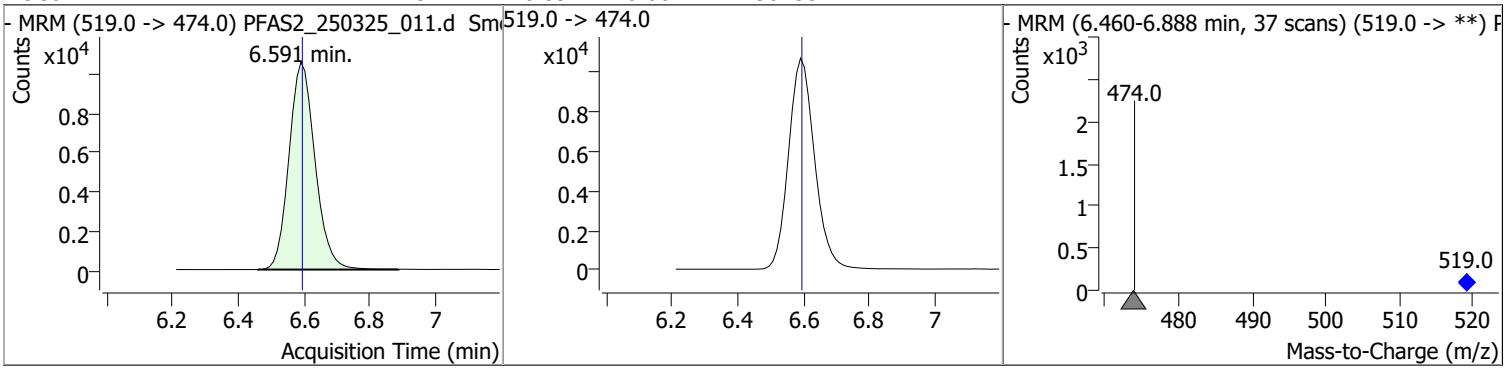
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9814	6.41	0.01	9737	529.0 -> 509.0	208.0	325.6	604.6



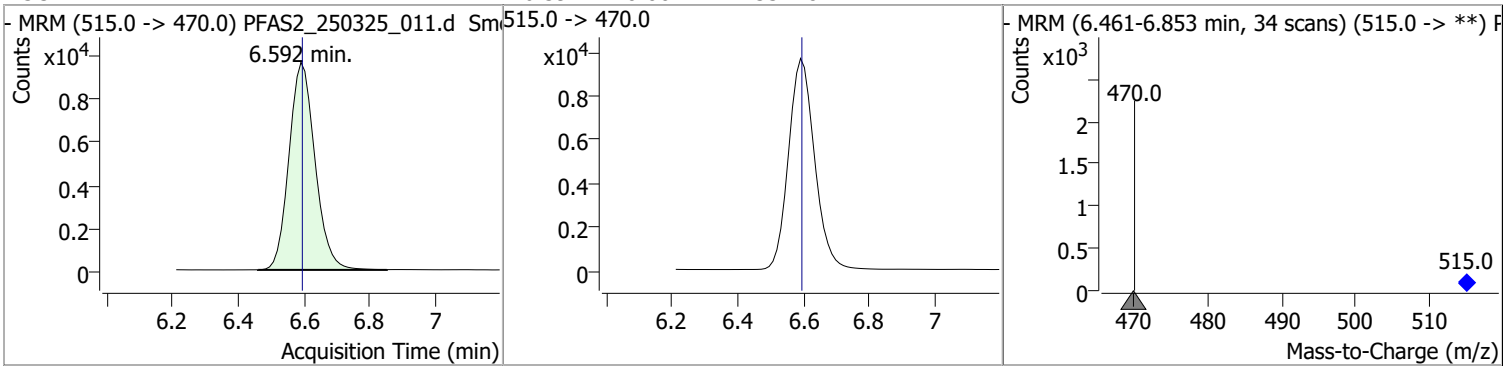
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



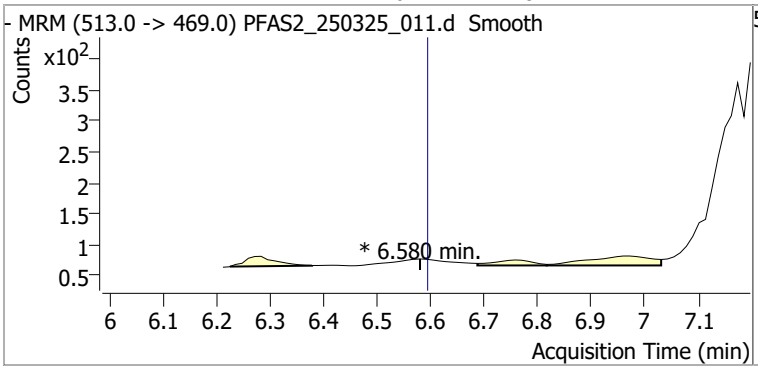
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3414	6.59	0.00	58155				

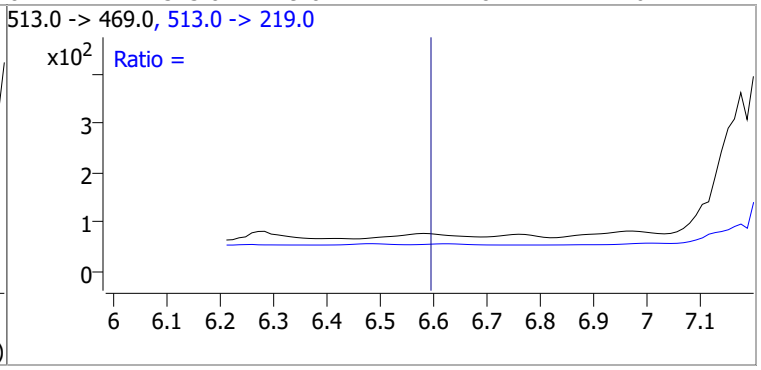


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	53278				

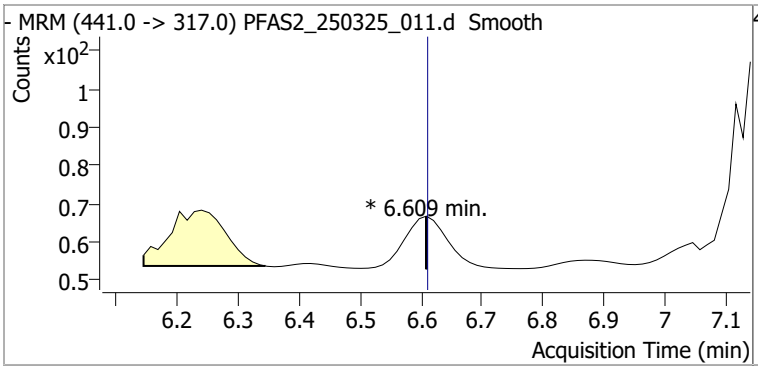


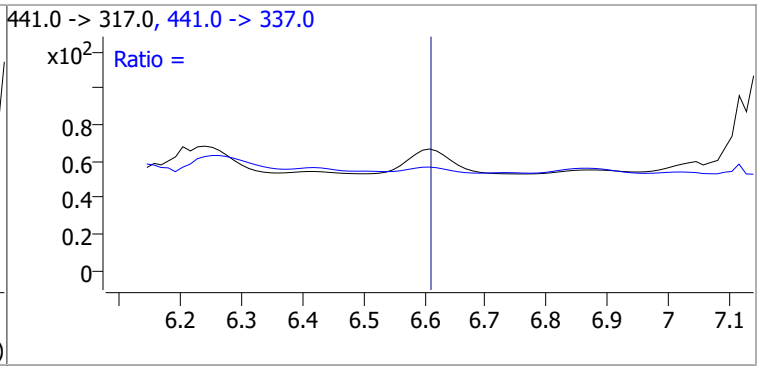
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



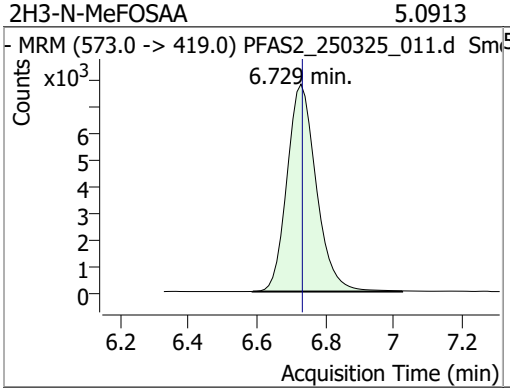


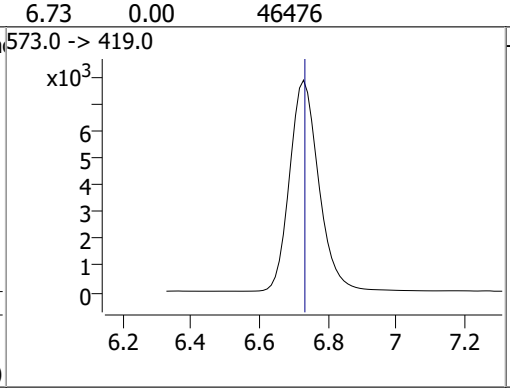
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

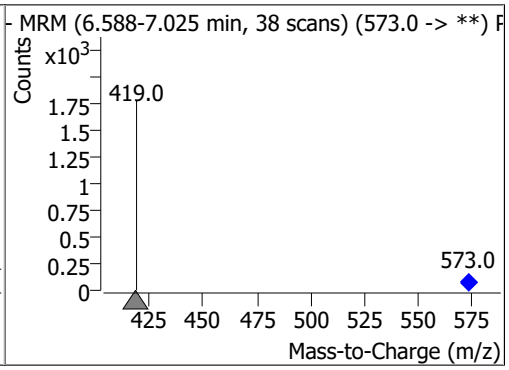




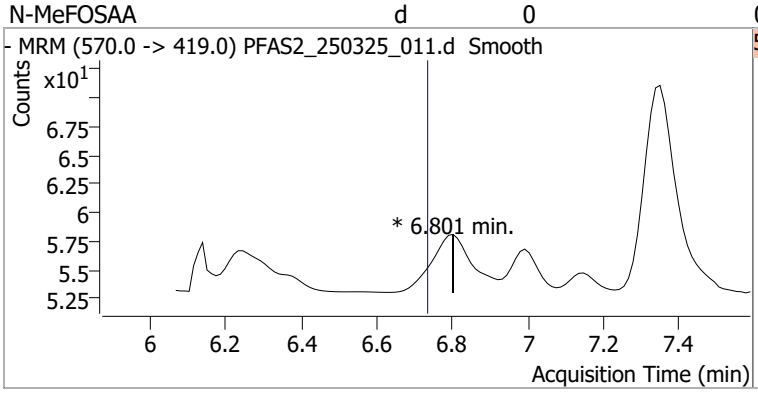
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0913	6.73	0.00	46476				

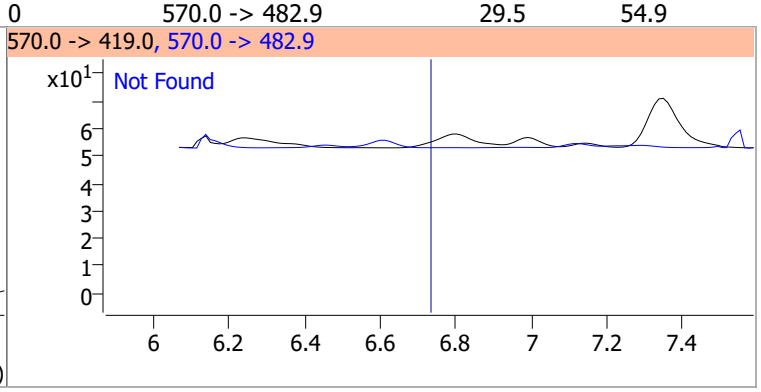




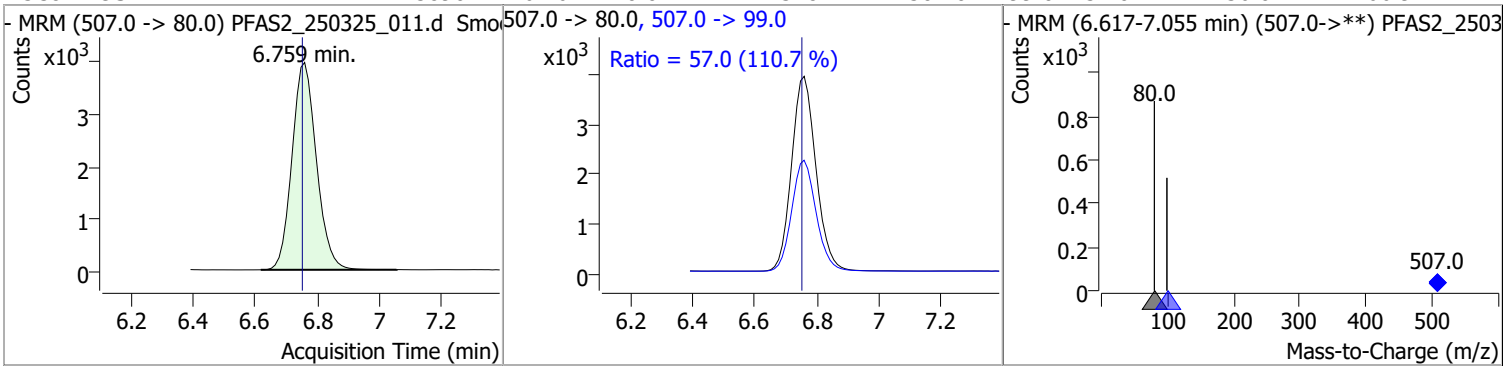


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

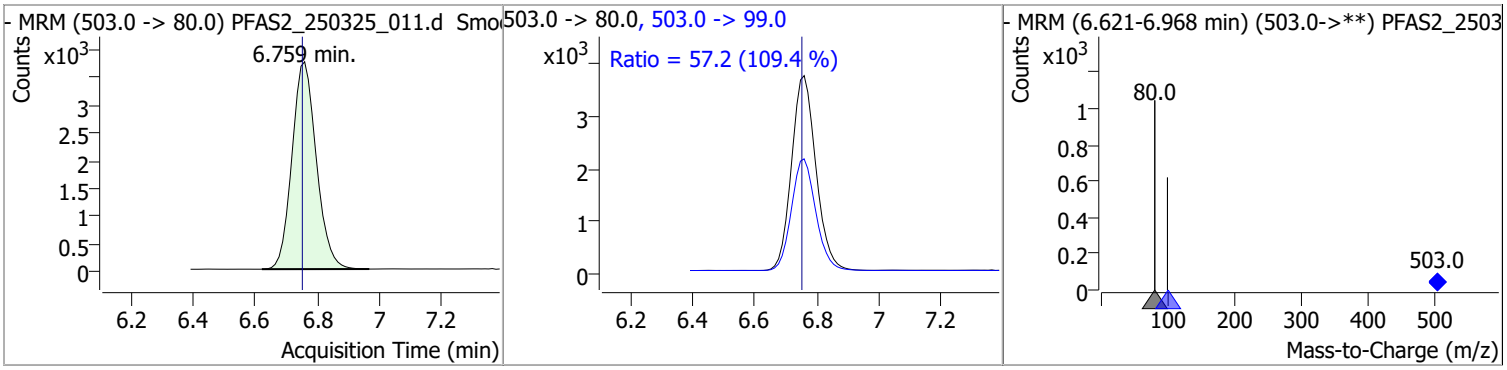




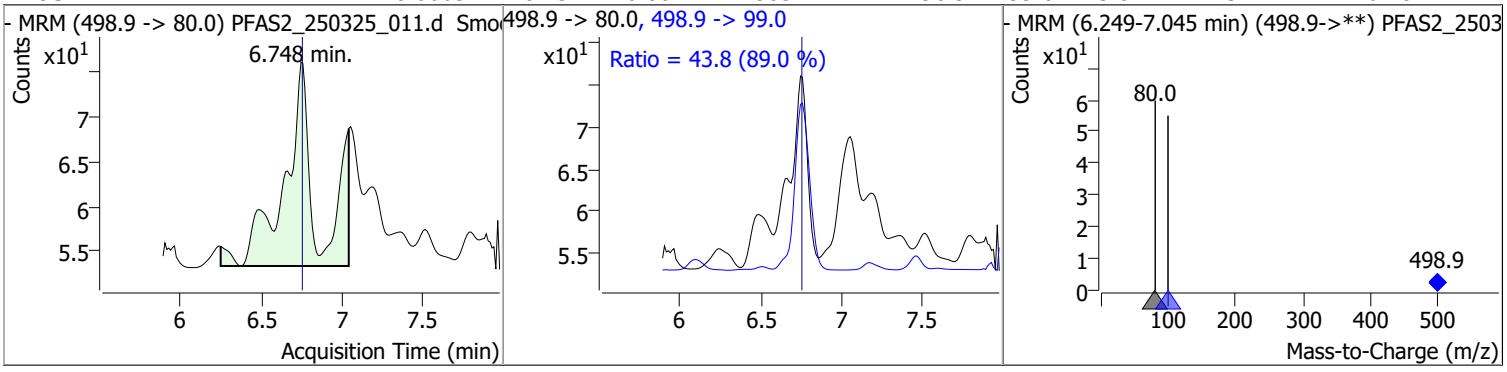
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5890	6.76	0.01	21378	507.0 -> 99.0	57.0	36.0	66.9



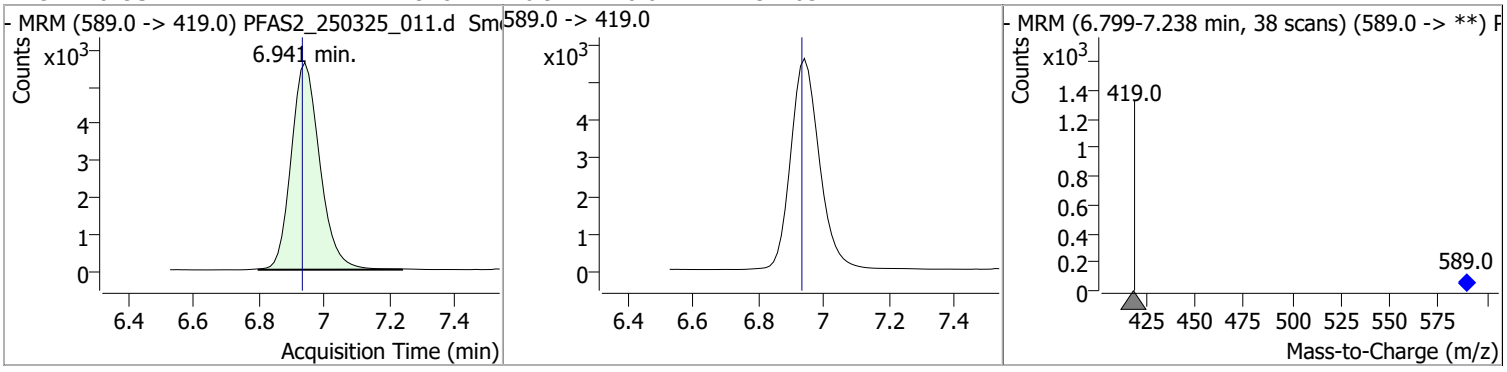
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	20345	503.0 -> 99.0	57.2	36.6	67.9



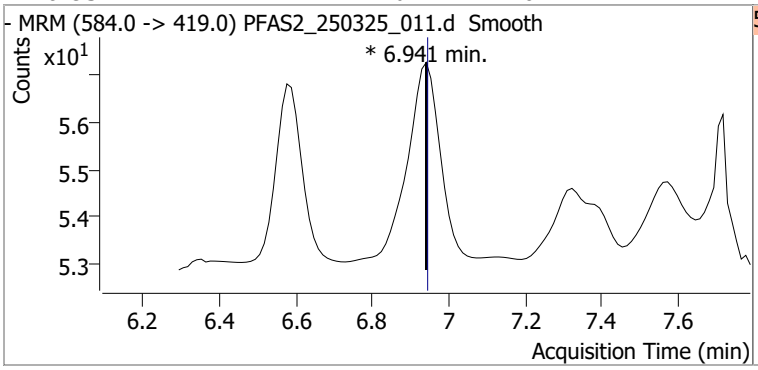
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0663	6.75	0.00	303	498.9 -> 99.0	43.8	34.4	64.0

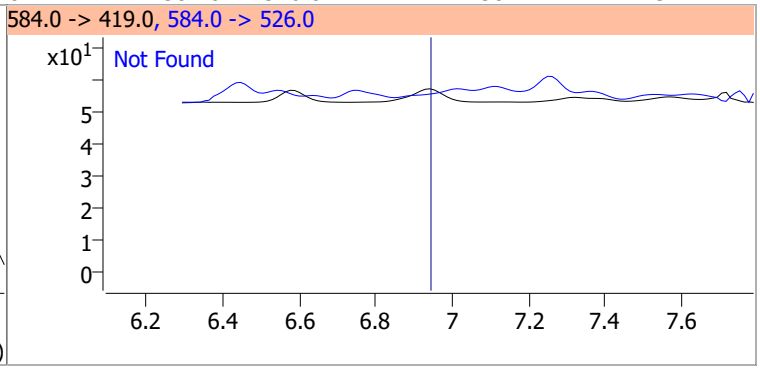


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9482	6.94	0.01	34103				

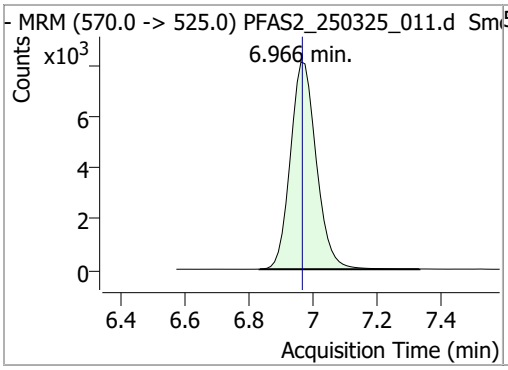


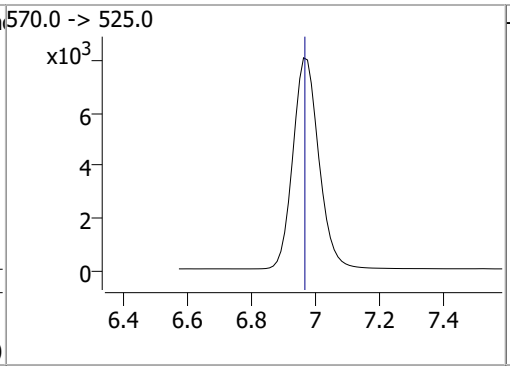
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

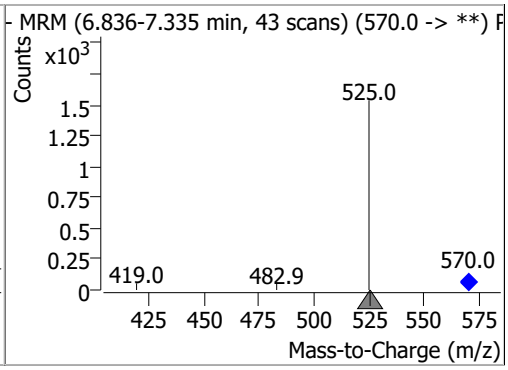




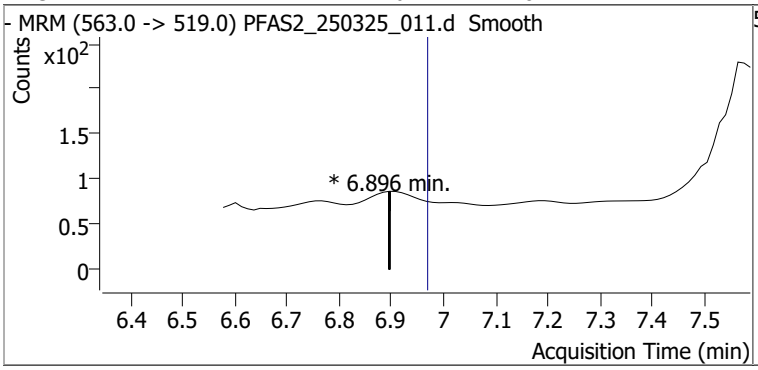
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3342	6.97	0.00	45585				

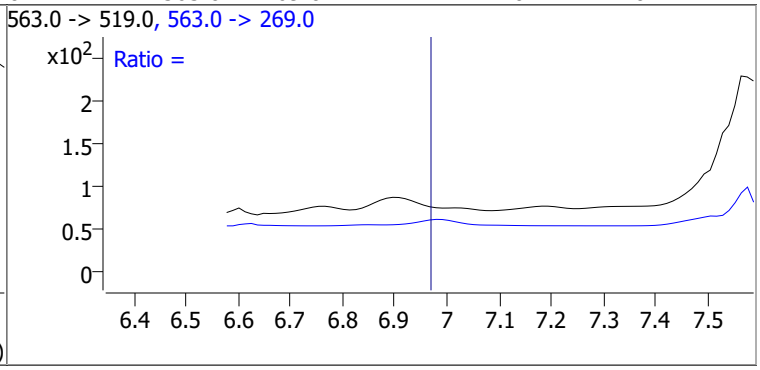




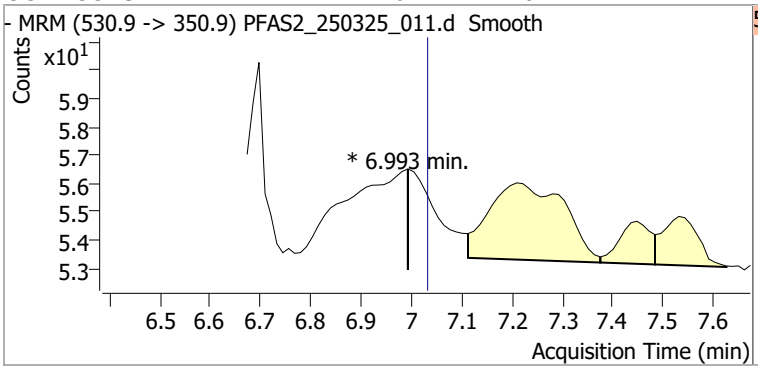


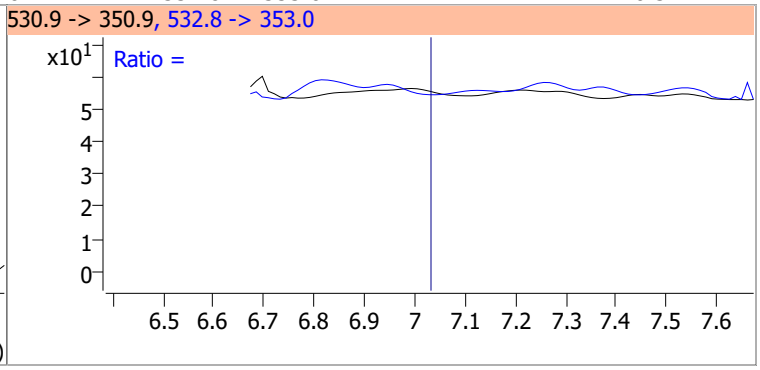
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



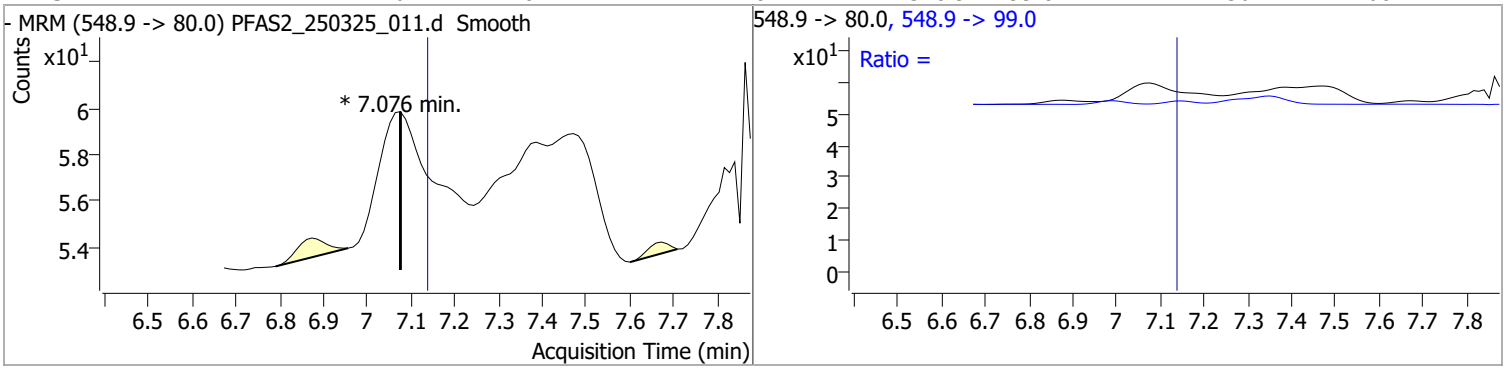


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

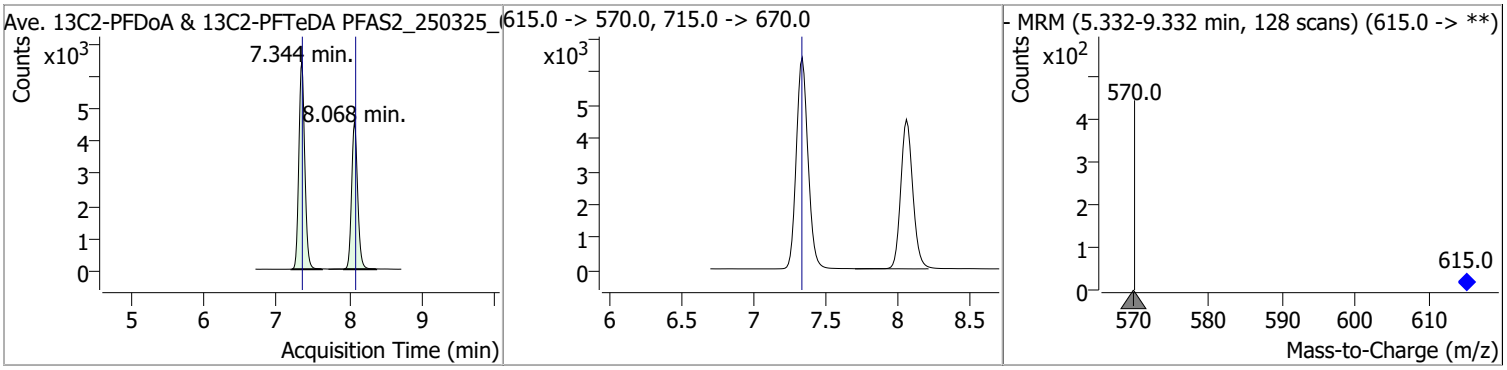




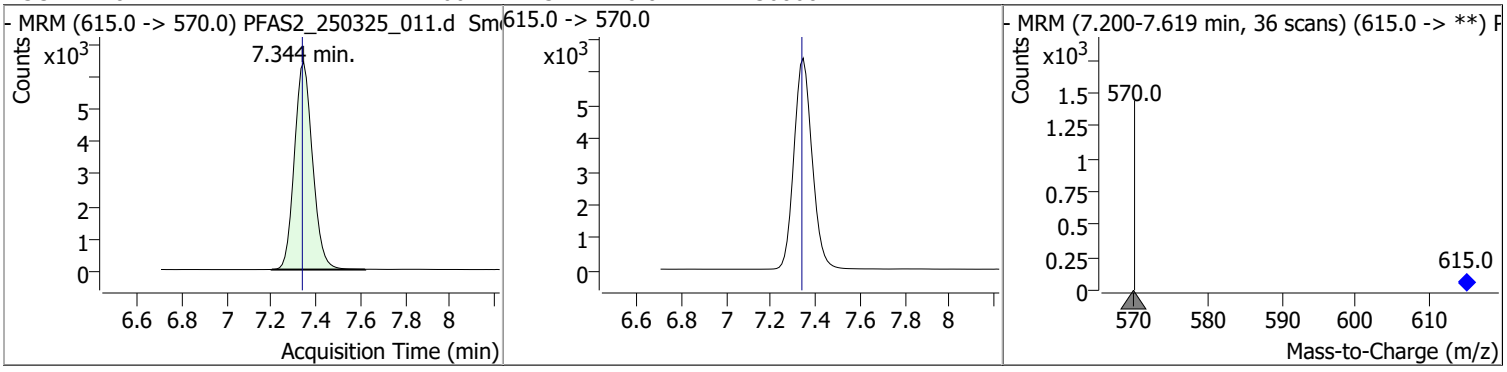
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



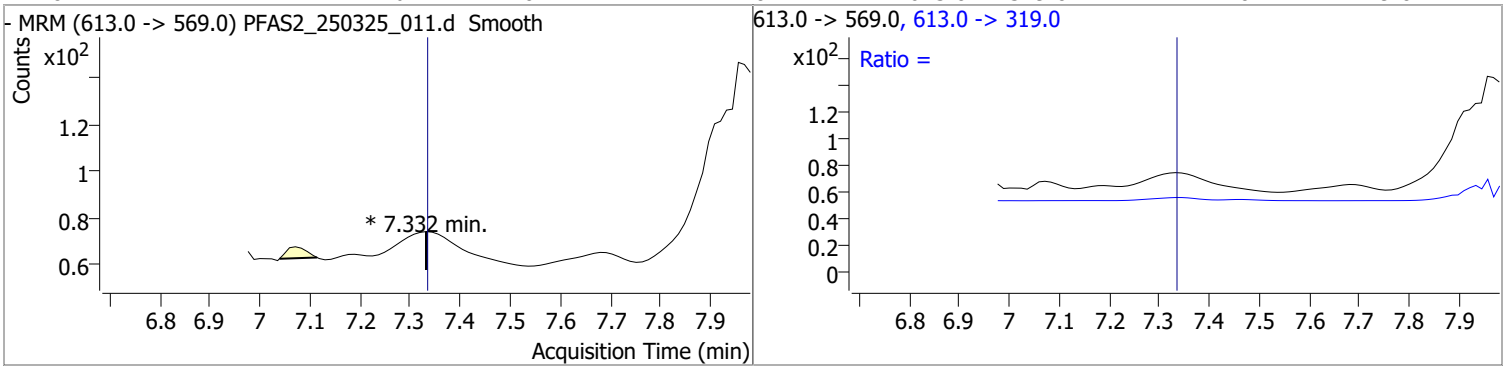
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1087	7.71	0.37	31224				



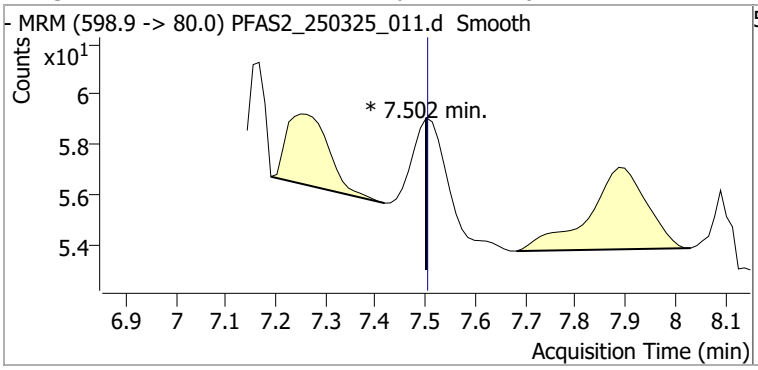
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4166	7.34	0.01	36060				

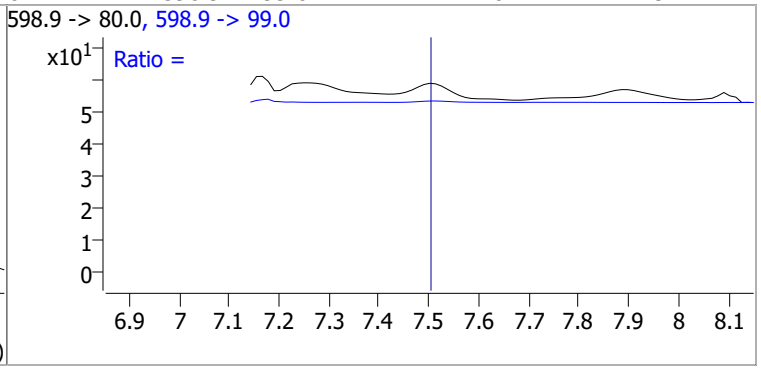


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

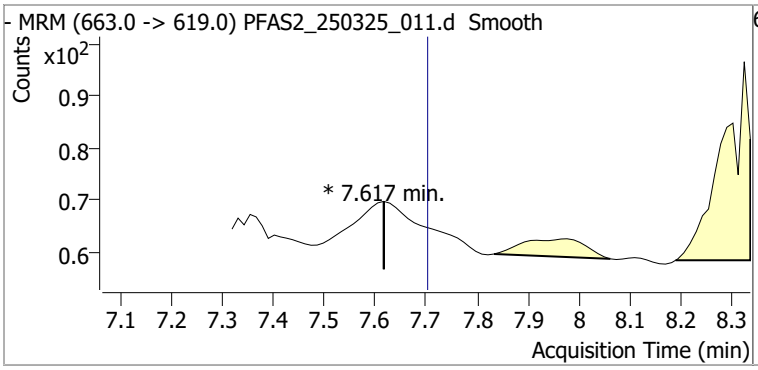


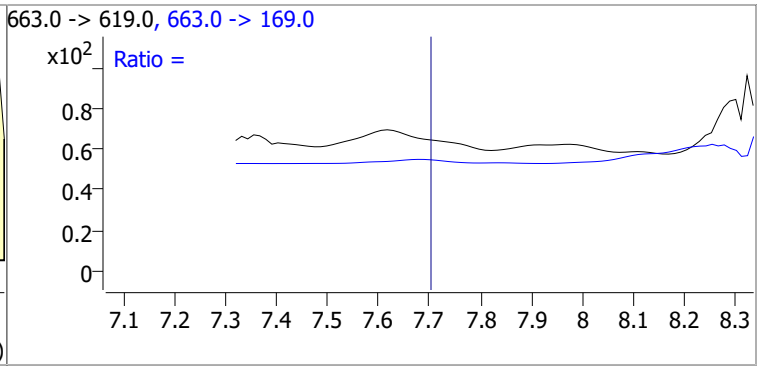
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



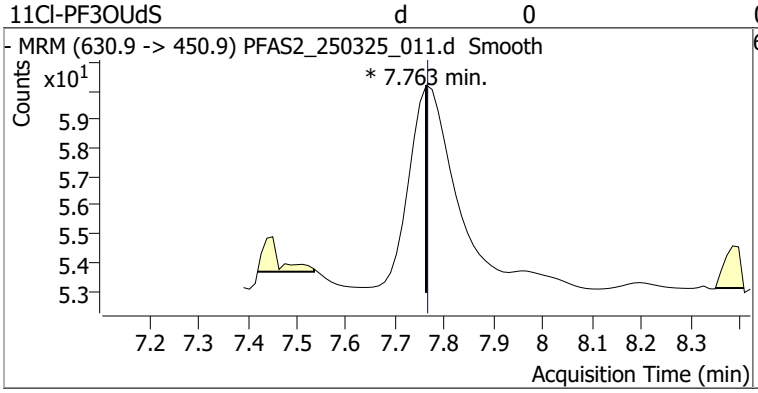


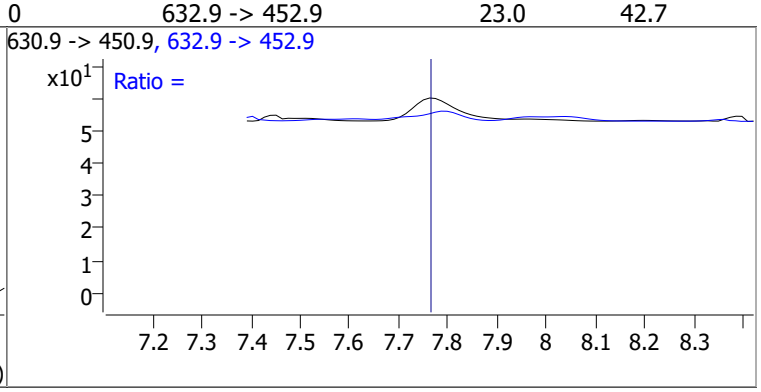
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



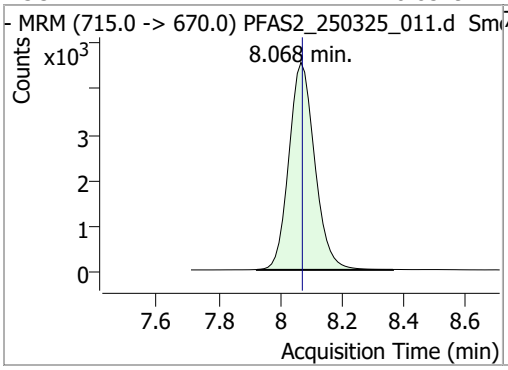


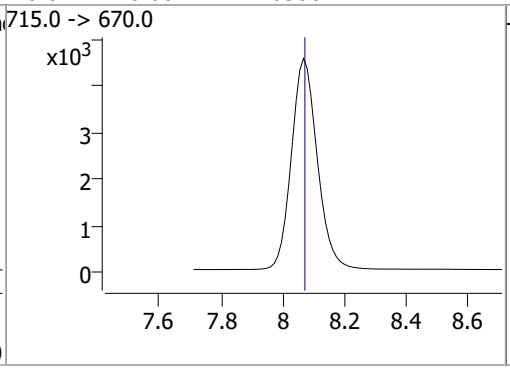
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

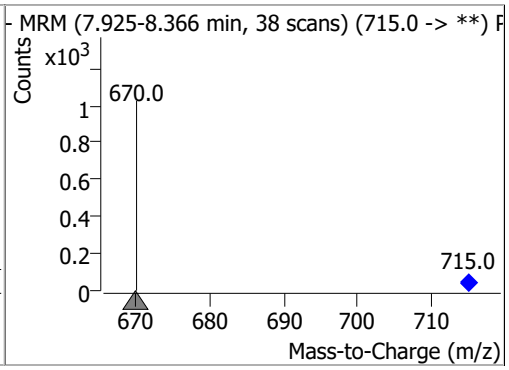




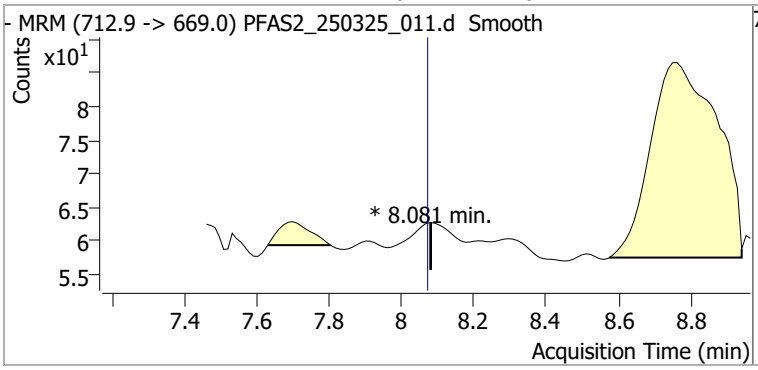
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8549	8.07	0.00	26388				

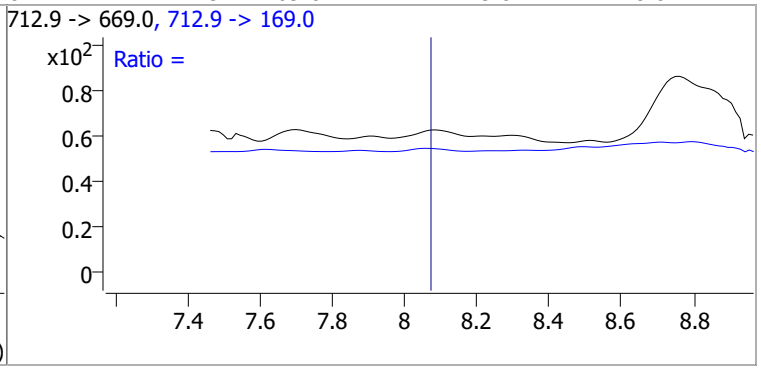




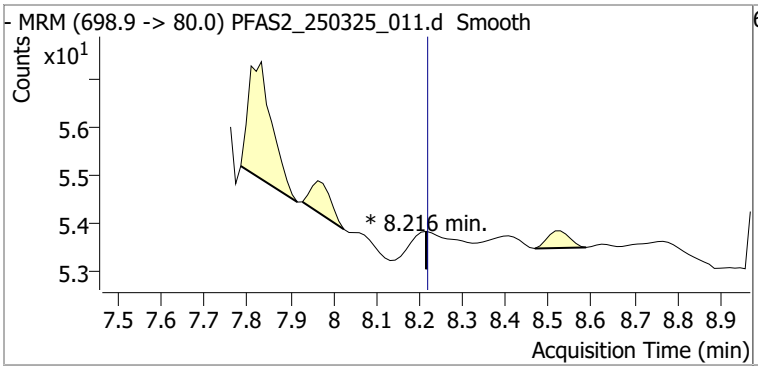


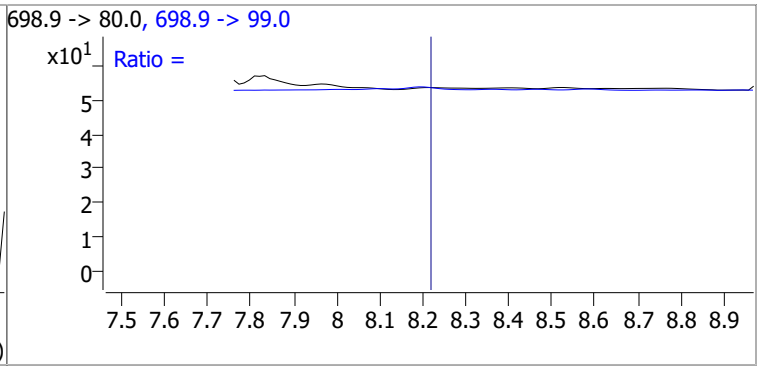
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



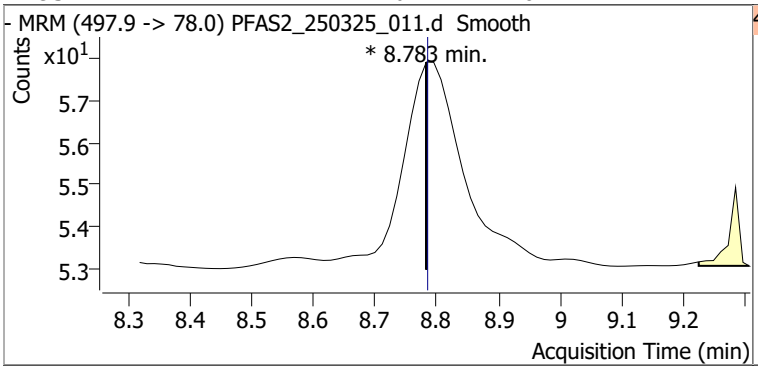


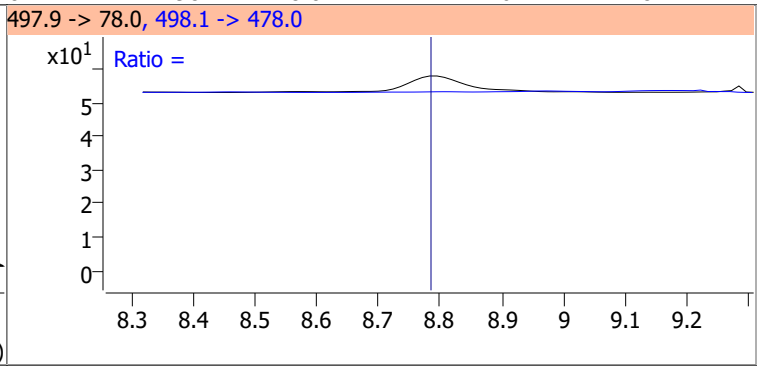
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



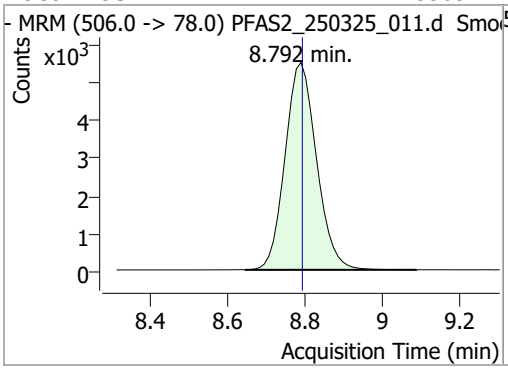


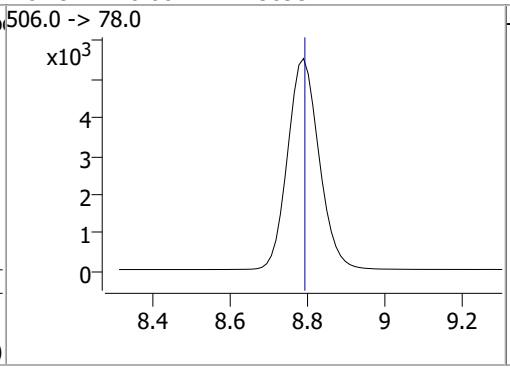
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

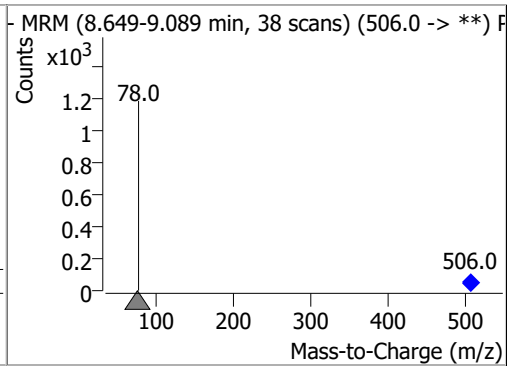




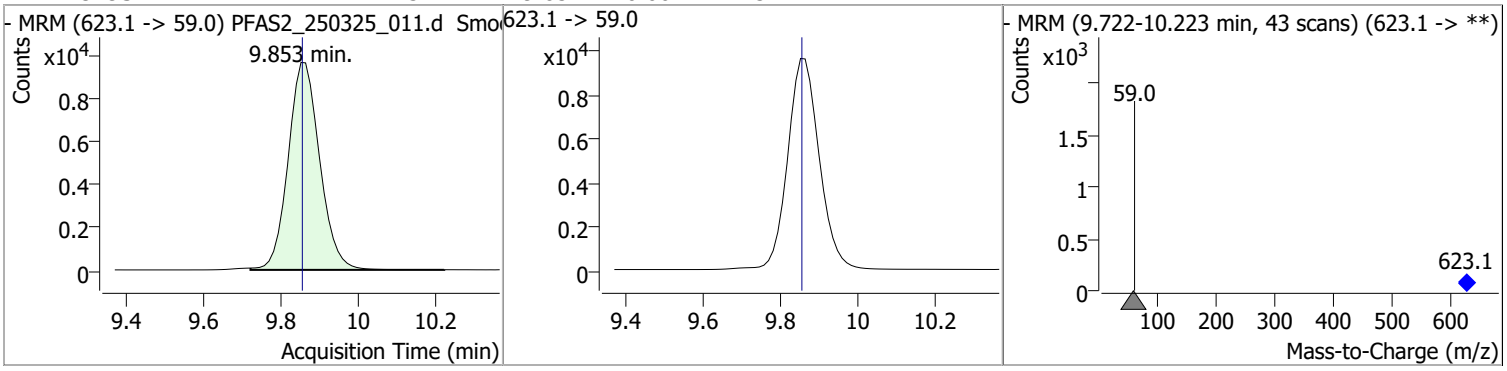
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5565	8.79	0.00	30934				



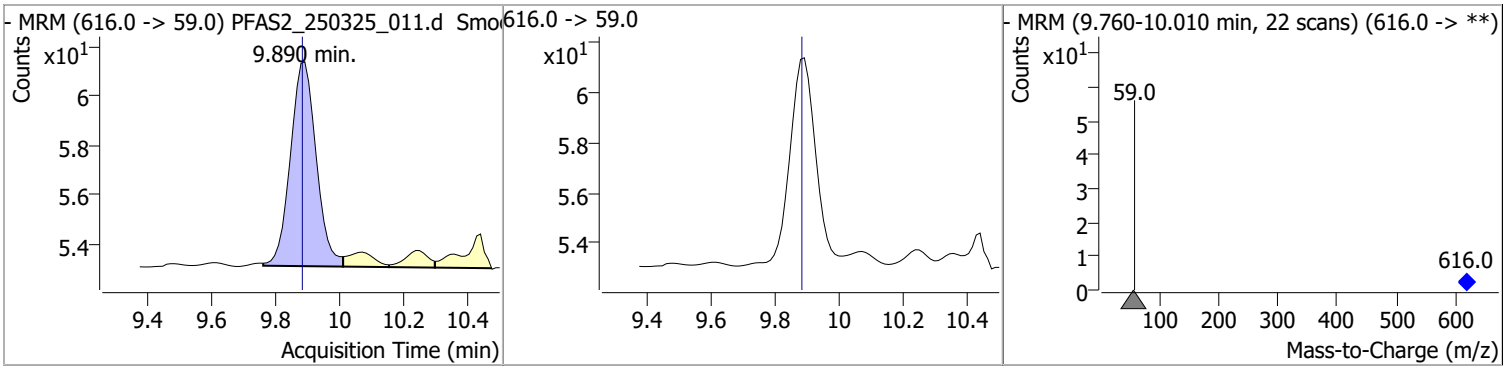




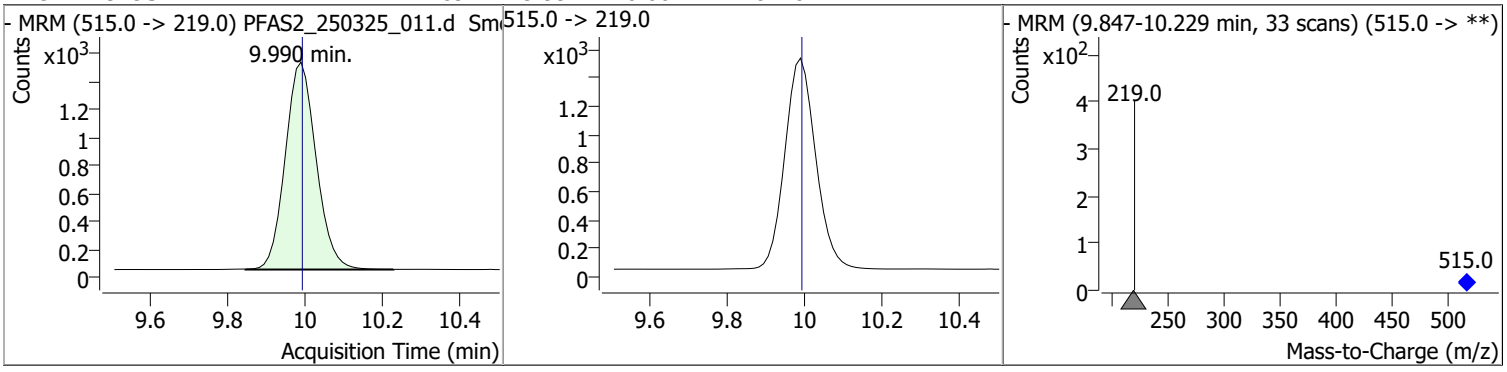
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.2742	9.85	0.00	54447				



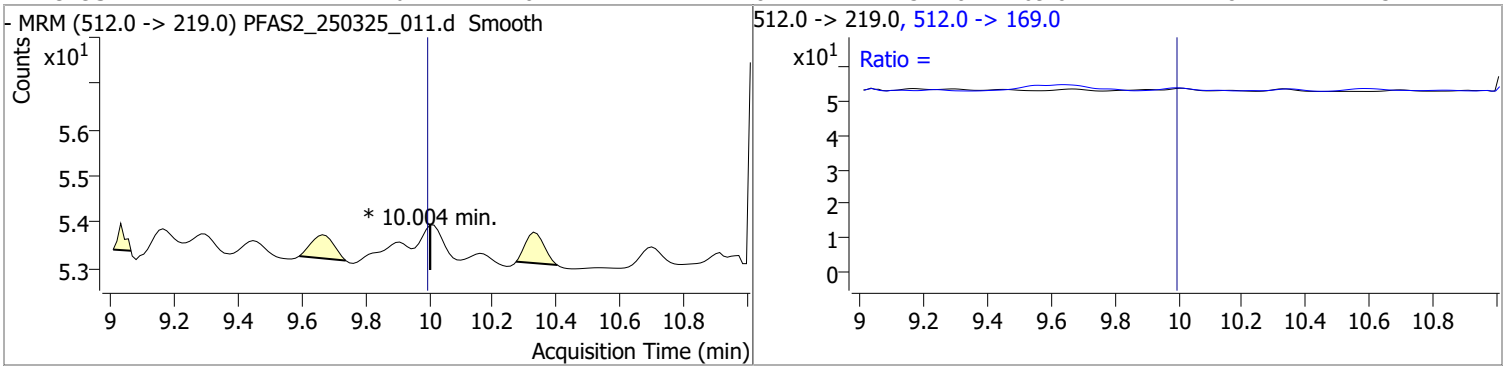
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	47				



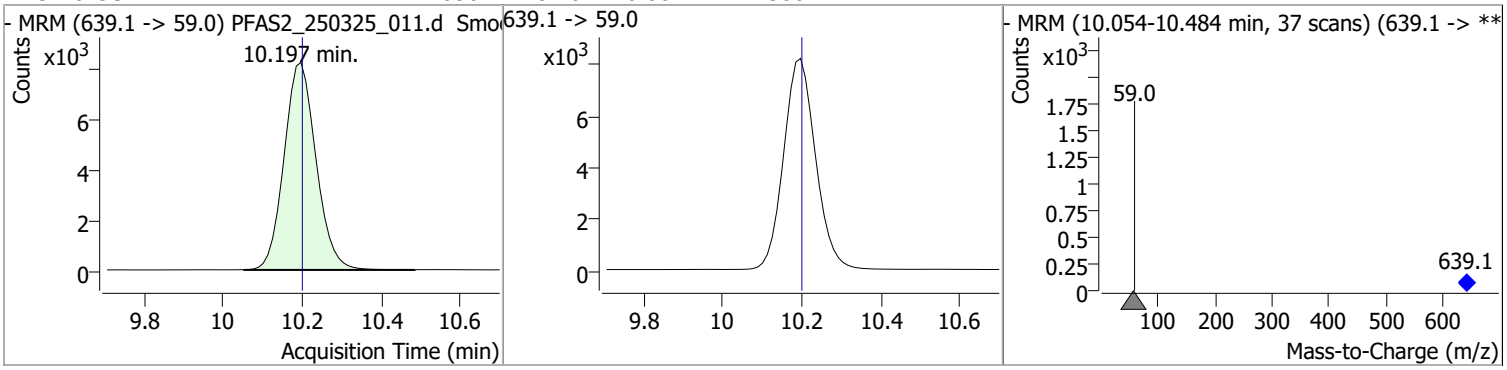
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4289	9.99	0.00	8248				



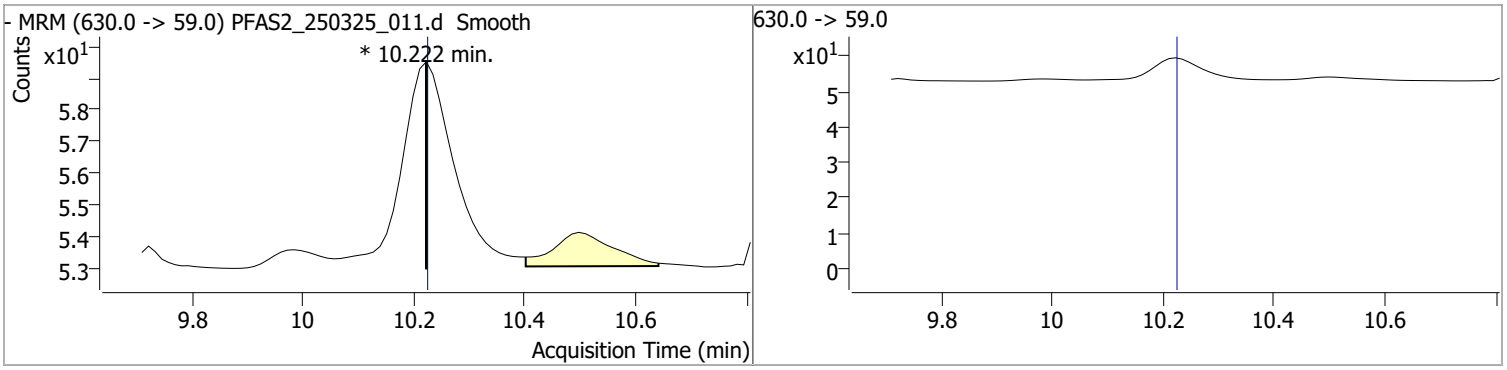
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



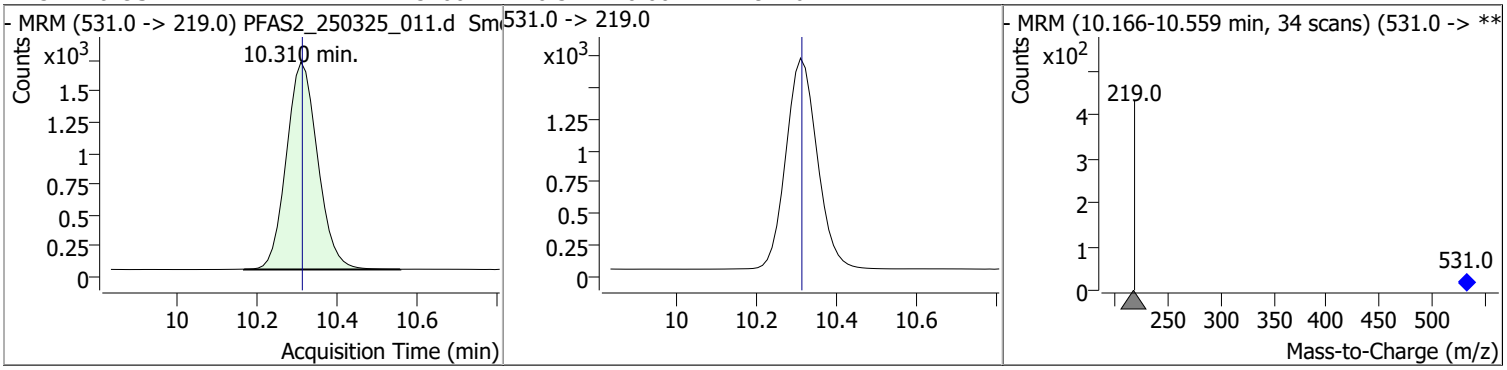
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1050	10.20	0.00	45882				



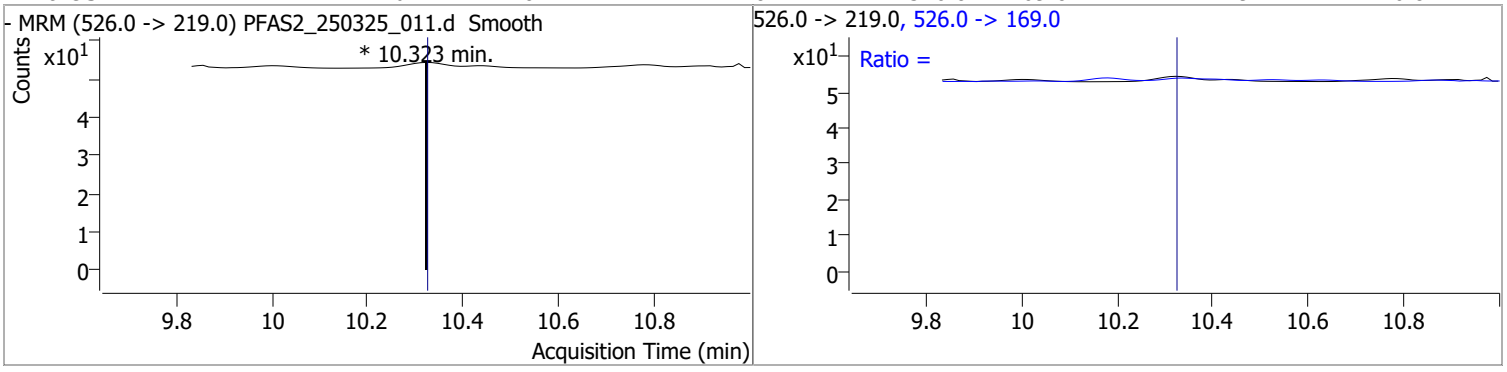
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5100	10.31	0.00	9216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:46:50 PM
Sample Name	B25C1367-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

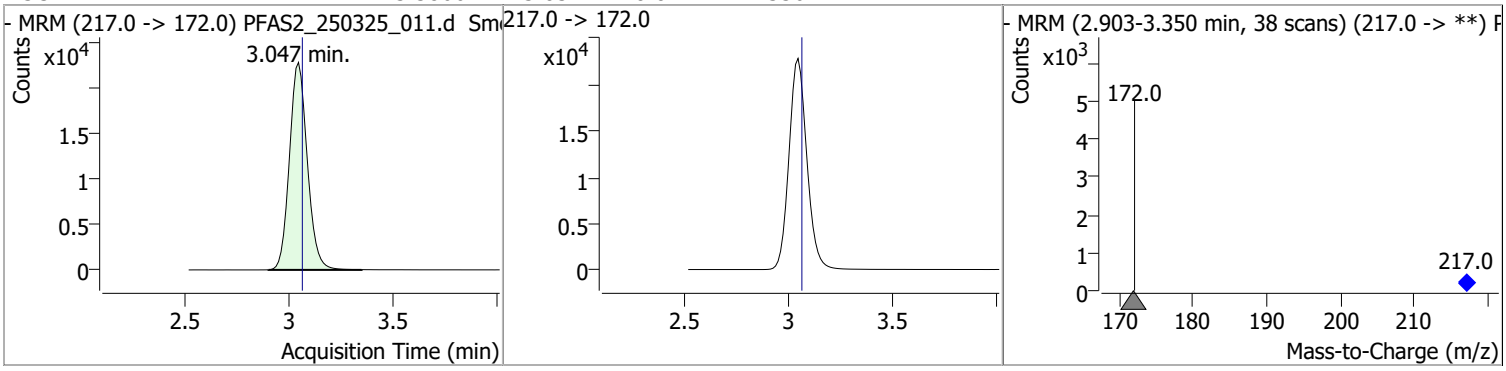
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	106829	5.0000	µg/L		-21.932
13C2-PFHxA	4.890	315.0 -> 270.0	120463	2.5000	µg/L		-21.484
18O2-PFHxS	5.943	403.0 -> 84.0	24414	2.5000	µg/L		-17.603
13C4-PFOA	5.810	417.0 -> 172.0	12739	2.5000	µg/L		-17.536
13C5-PFNA	6.214	468.0 -> 423.0	61855	1.2500	µg/L		-13.091
13C2-PFDA	6.592	515.0 -> 470.0	53278	1.2500	µg/L		-20.333
13C4-PFOS	6.759	503.0 -> 80.0	20345	2.5000	µg/L		-18.324
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	135624	10.0000	µg/L		-56.367
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.87%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25208	5.0000	µg/L	#	-0.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 121.58%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C3-PFBS	4.929	302.0 -> 80.0	49752	2.5000	µg/L		-18.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.54%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	140533	10.0000	µg/L		-19.590
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.41%			
13C4-PFHpA	5.385	367.0 -> 322.0	158389	2.5000	µg/L		-16.146
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.83%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13853	5.0000	µg/L	#	-6.203
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.96%			
13C8-PFOA	5.809	421.0 -> 376.0	145490	2.5000	µg/L		-15.775
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C9-PFNA	6.213	472.0 -> 427.0	61134	1.2500	µg/L		-13.241
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9737	5.0000	µg/L	#	-17.803
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C6-PFDA	6.591	519.0 -> 474.0	58155	1.2500	µg/L		-14.428
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.31%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46476	5.0000	µg/L		-16.737
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.83%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34103	5.0000	µg/L		-19.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.96%			
13C7-PFUnDA	6.966	570.0 -> 525.0	45585	1.2500	µg/L		-14.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.73%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	31224	1.2500	µg/L		-29.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.70%			
13C2-PFDoDA	7.344	615.0 -> 570.0	36060	1.2500	µg/L		-9.725
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.33%			
13C2-PFTDA	8.068	715.0 -> 670.0	26388	1.2500	µg/L		-45.349
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.39%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	54447	25.0000	µg/L		-56.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.10%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8248	2.5000	µg/L		-20.458
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H9-EtFOSE	10.197	639.1 -> 59.0	45882	25.0000	µg/L		-27.756
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.42%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9216	2.5000	µg/L		-18.008
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%			
Target Compounds							**QValue**
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	26	0.0567	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	12	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	913	0.0541	µg/L		100
PFMBA	4.453	279.0 -> 85.0	13	0.0342	µg/L		100
4-2 FTSA	4.627	327.0 -> 307.0	44	0.0029	µg/L	#	46
NFDHA	4.834	295.0 -> 201.0	32	0.0327	µg/L	#	1
PFHxA	4.904	313.0 -> 269.0	213	0.0045	µg/L		89
PFBS	5.227	298.9 -> 80.0	20	0.0009	µg/L		94
HFPO-DA	5.087	285.0 -> 169.0	29	0.0023	µg/L		33
PFEESA	5.201	314.9 -> 135.0	8	0.0517	µg/L		80
PFHpA	5.386	363.0 -> 319.0	312	0.0264	µg/L	#	81
5-3 FTCA	5.495	341.0 -> 237.0	50	0.1904	µg/L		4
PFPeS	5.363	348.9 -> 80.0	9	0.0006	µg/L	#	73
DONA	5.564	377.0 -> 251.0	106	0.0688	µg/L		46
6-2 FTSA	5.631	427.0 -> 407.0	62	0.1163	µg/L		50
PFOA	5.824	413.0 -> 369.0	437	0.0439	µg/L		90
PFHxS	5.945	398.9 -> 80.0	203	0.0185	µg/L		98
PFNA	5.892	463.0 -> 419.0	89	0.0086	µg/L		62
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.282	527.0 -> 507.0	6	0.0737	µg/L		47
PFDA	6.580	513.0 -> 469.0	76	0.0000	µg/L		98
7-3 FTCA	6.609	441.0 -> 317.0	53	0.2633	µg/L	#	14
N-MeFOSAA	6.801	570.0 -> 419.0	55	0.0148	µg/L		33
PFOS	6.748	498.9 -> 80.0	303	0.0663	µg/L		92
N-EtFOSAA	6.941	584.0 -> 419.0	31	0.0160	µg/L		24
PFUnDA	6.896	563.0 -> 519.0	77	0.0155	µg/L	#	9
9Cl-PF3ONS	6.993	530.9 -> 350.9	36	0.0658	µg/L		44
PFNS	7.076	548.9 -> 80.0	38	0.0052	µg/L	#	37
PFDoDA	7.332	613.0 -> 569.0	72	0.0027	µg/L		100

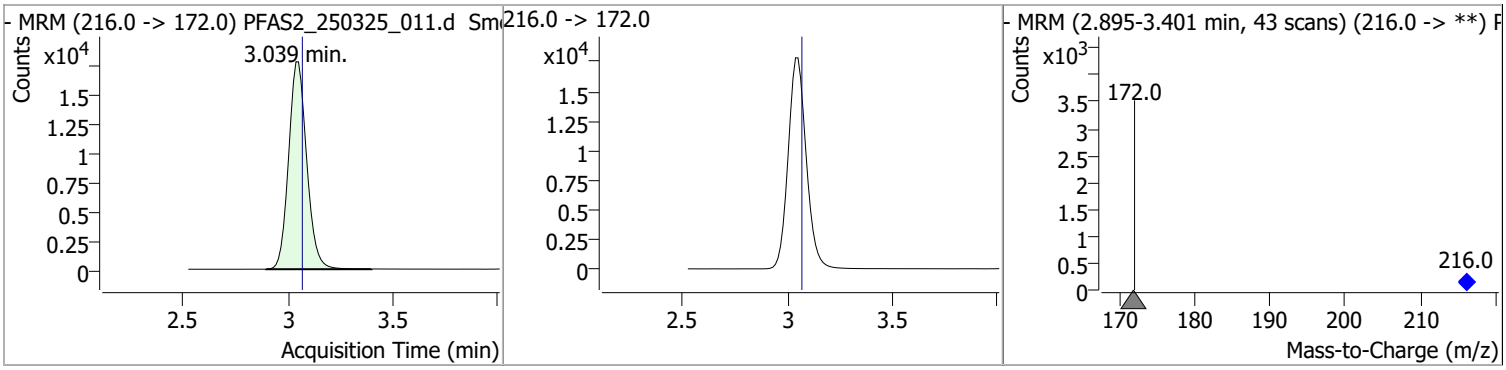
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.502	598.9 -> 80.0	16	0.0029	µg/L	#	22
PFTrDA	7.617	663.0 -> 619.0	57	0.0024	µg/L	#	60
11Cl-PF3OUdS	7.763	630.9 -> 450.9	37	0.0020	µg/L		84
PFTDA	8.081	712.9 -> 669.0	46	0.0085	µg/L	#	82
PFDoS	8.216	698.9 -> 80.0	4	0.0010	µg/L		78
PFOSA	8.783	497.9 -> 78.0	33	0.0031	µg/L		89
MeFOSE	9.890	616.0 -> 59.0	47	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	3	0.0011	µg/L		75
EtFOSE	10.222	630.0 -> 59.0	43	0.0353	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	5	0.0014	µg/L		83

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

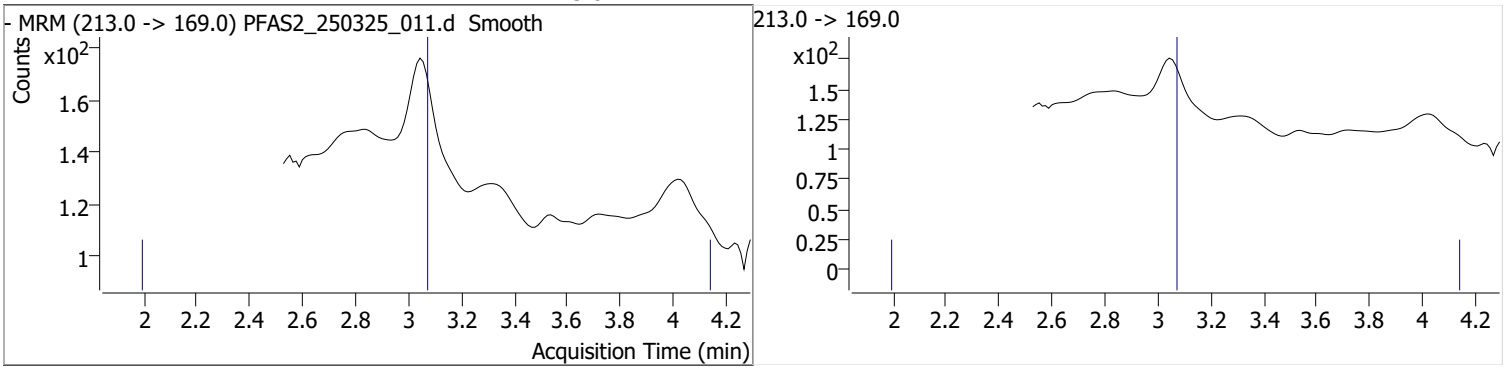
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5866	3.05	-0.01	135624				



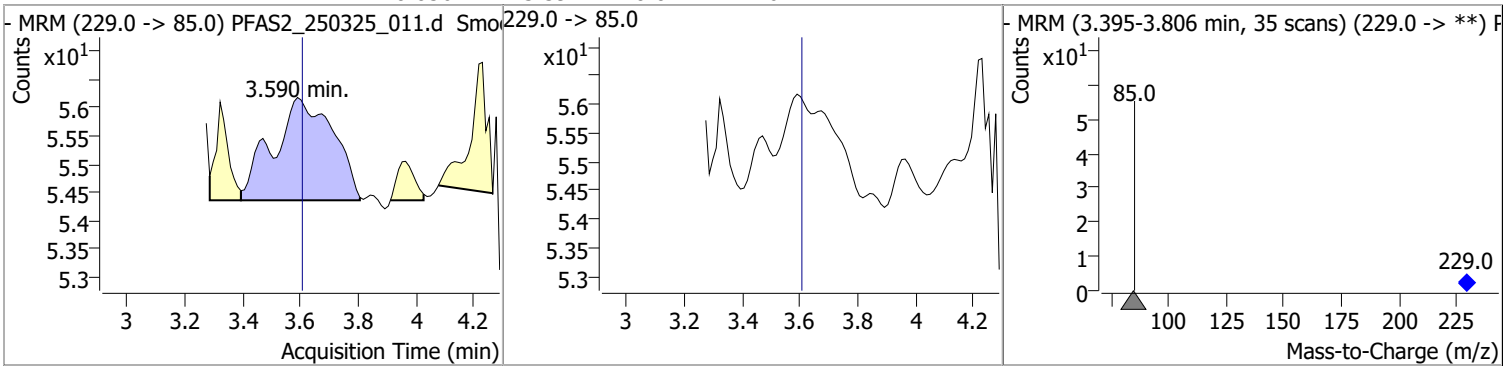
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA	3.04	-0.02	106829					



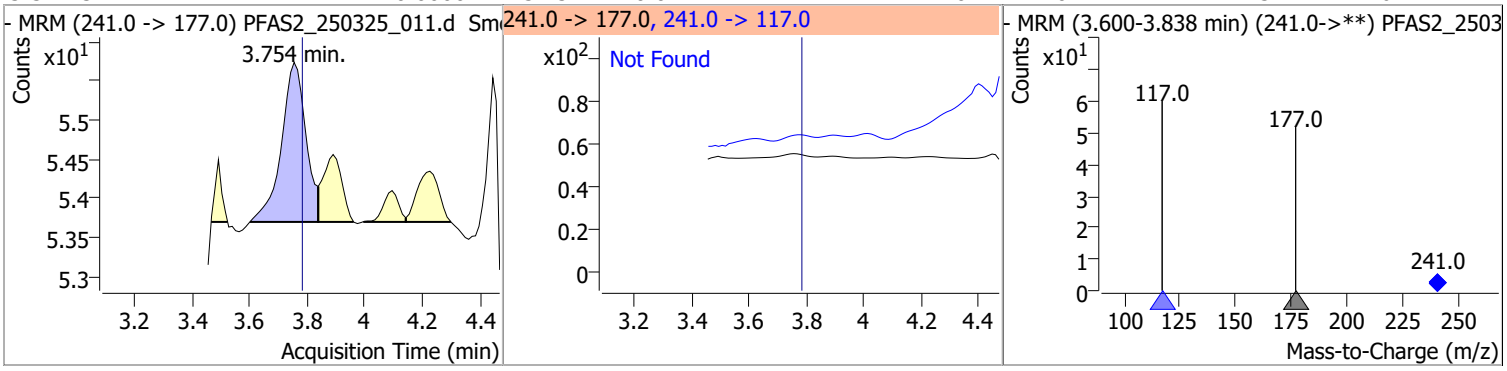
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		



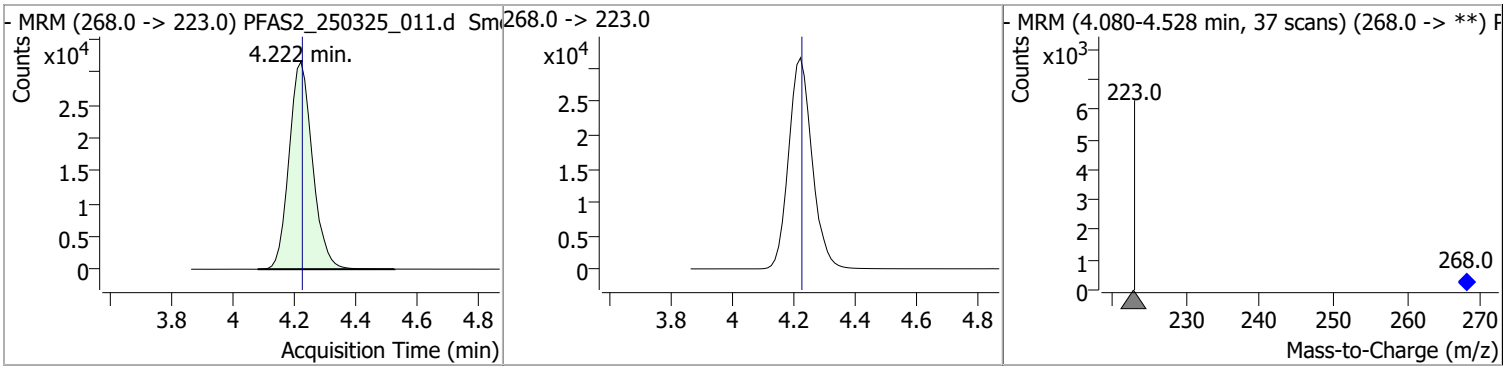
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0567	3.59	-0.01	26				



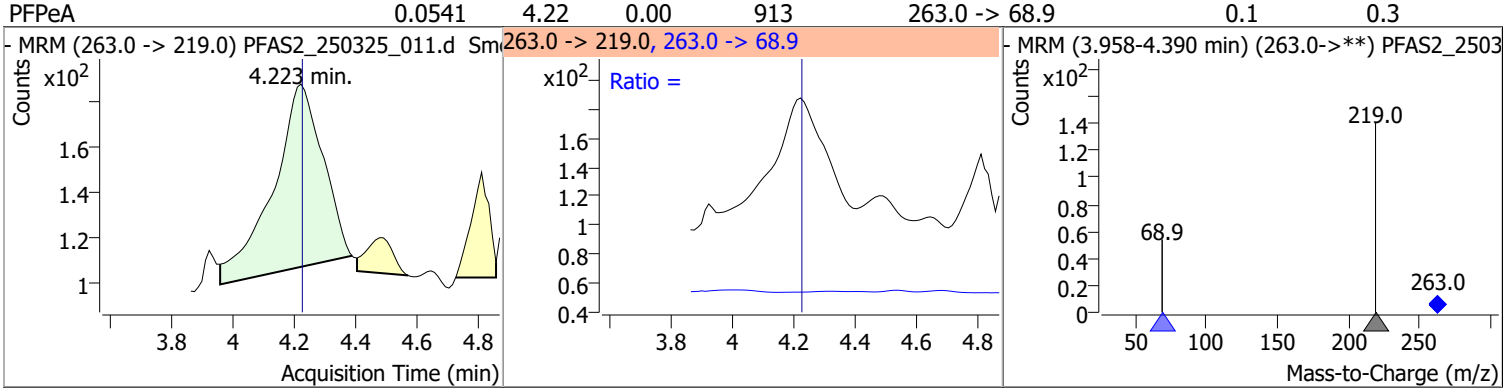
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.75	-0.02	12	241.0 -> 117.0		41.3	76.7



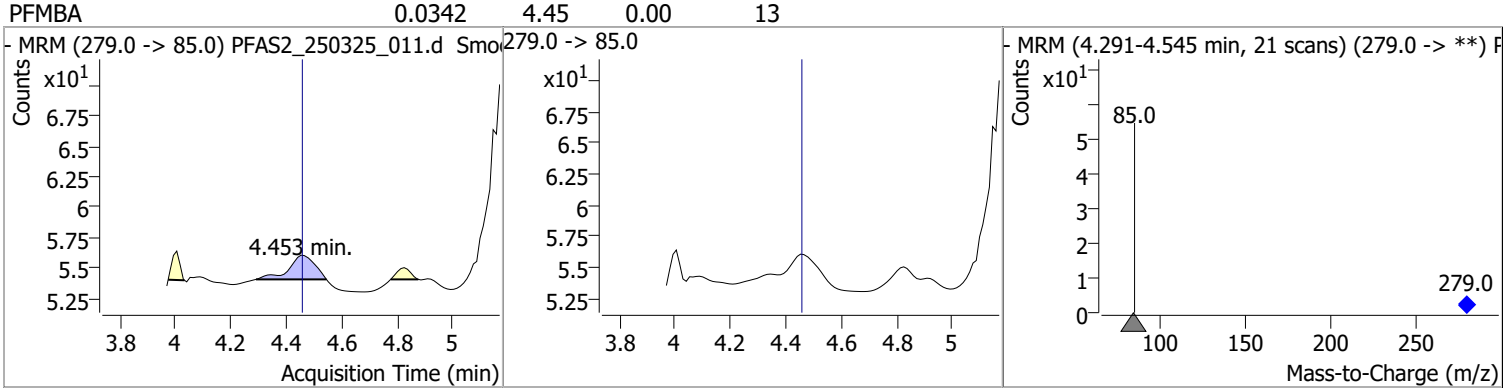
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1601	4.22	0.00	167657				



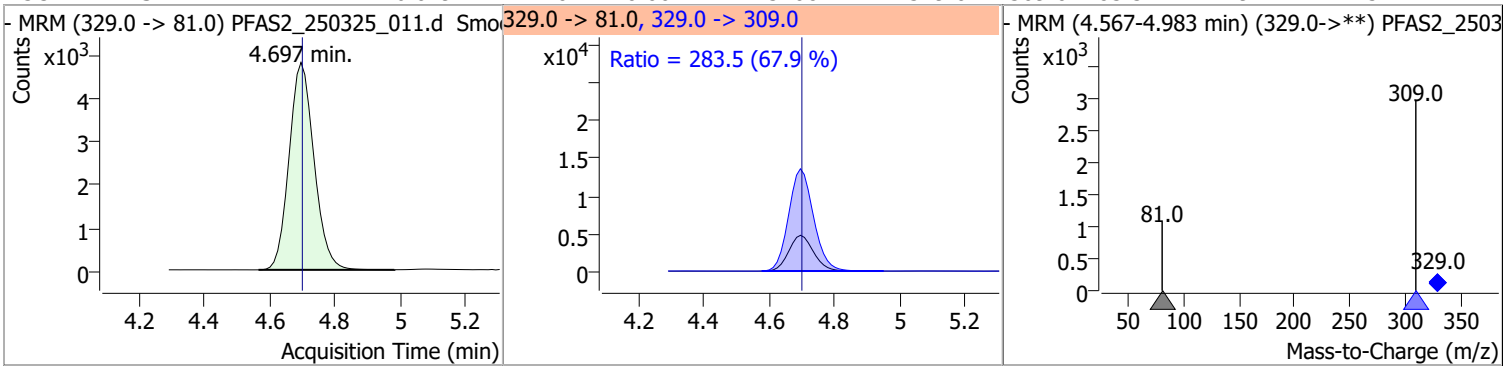
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0541	4.22	0.00	913	263.0 -> 68.9		0.1	0.3



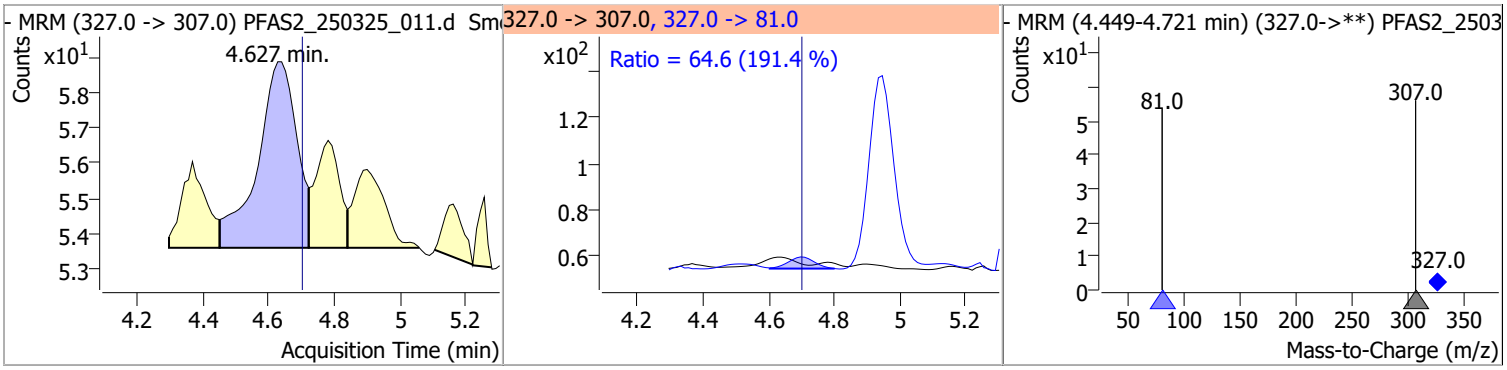
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0342	4.45	0.00	13				



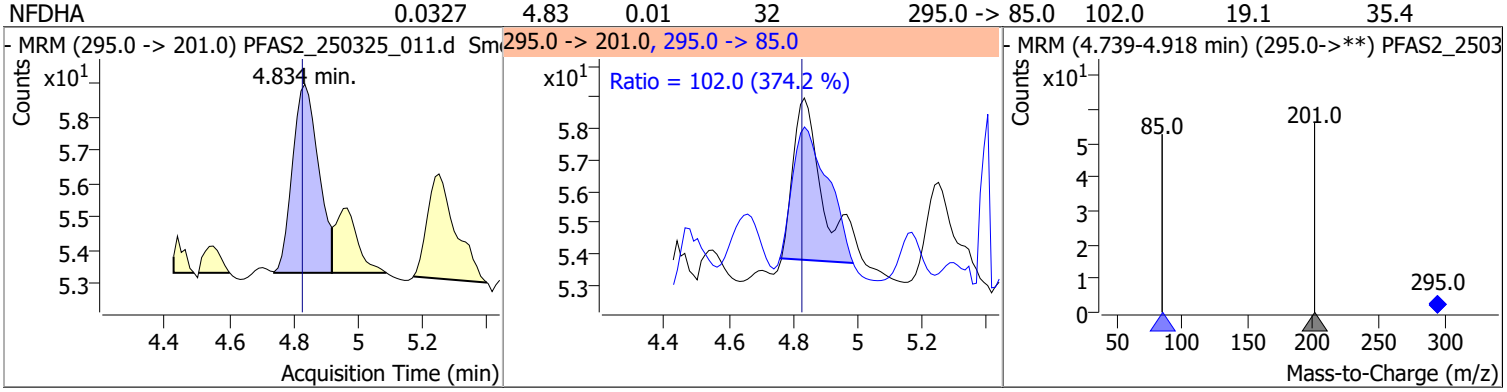
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0792	4.70	0.00	25208	329.0 -> 309.0	283.5	292.1	542.4



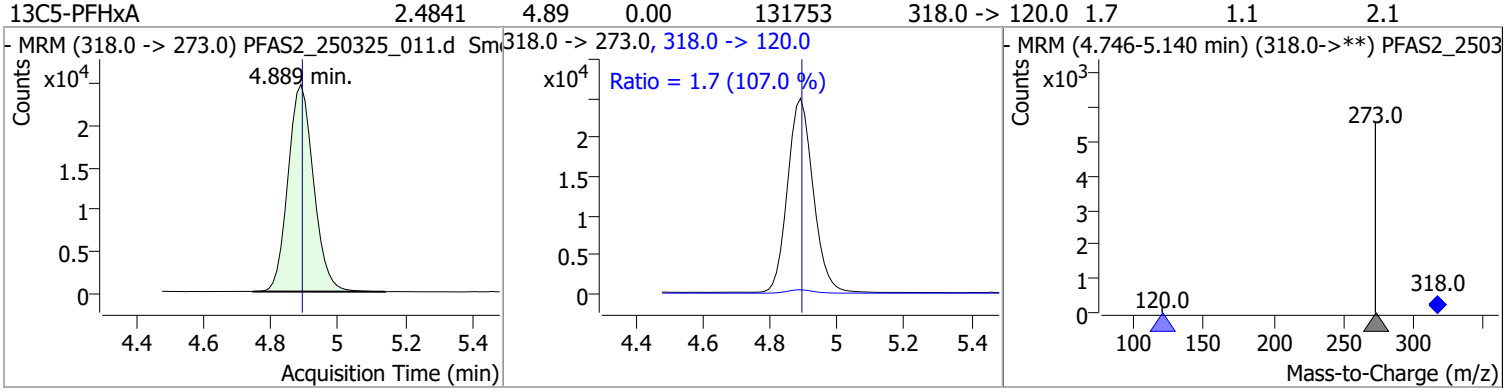
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0029	4.63	-0.07	44	327.0 -> 81.0	64.6	23.6	43.9



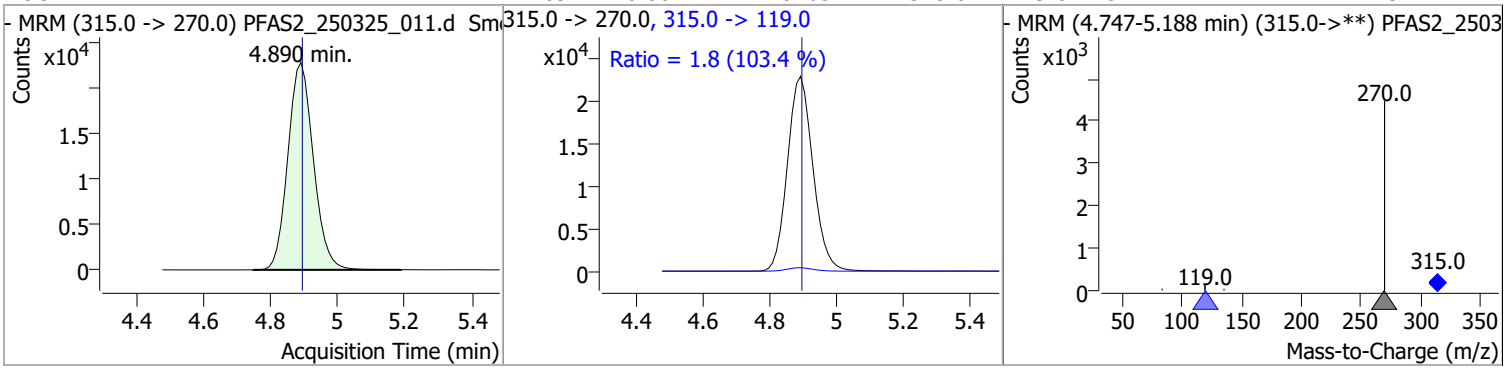
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0327	4.83	0.01	32	295.0 -> 85.0	102.0	19.1	35.4



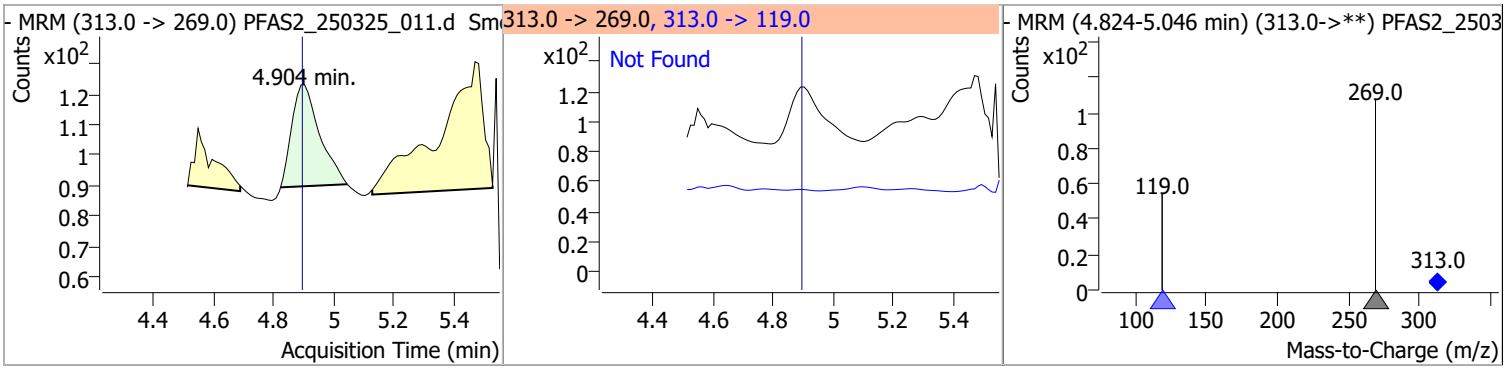
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4841	4.89	0.00	131753	318.0 -> 120.0	1.7	1.1	2.1



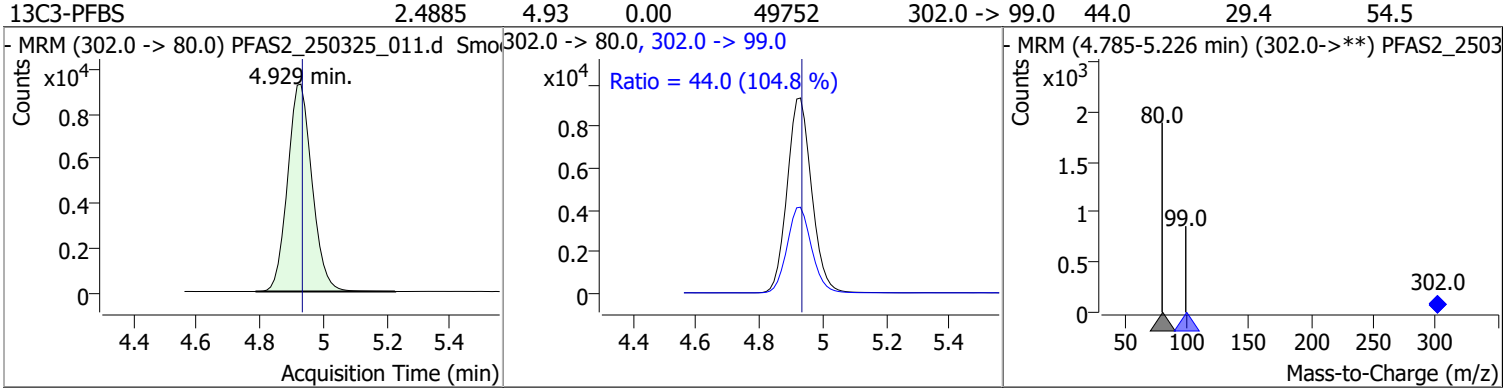
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	120463	315.0 -> 119.0	1.8	1.2	2.3



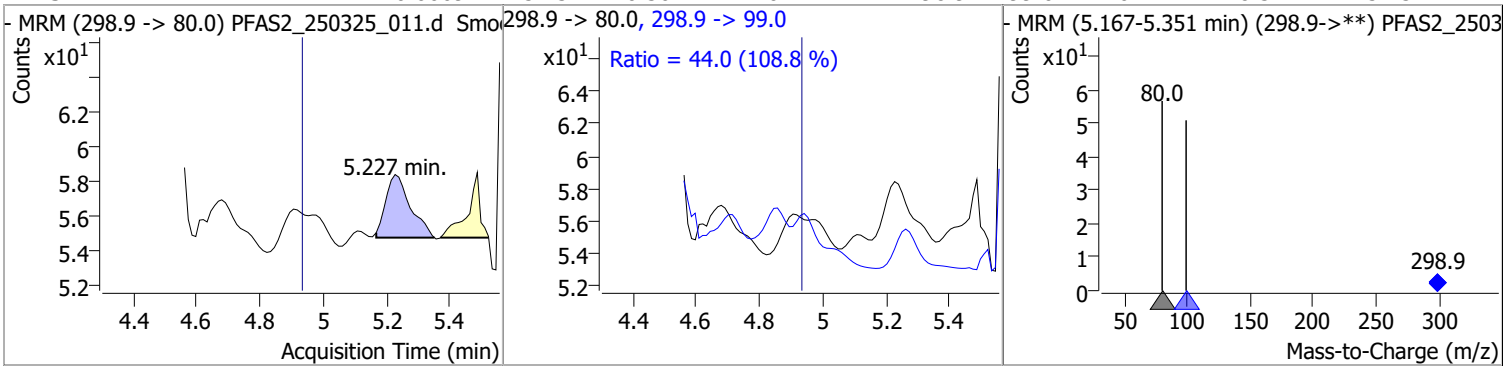
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0045	4.90	0.01	213	313.0 -> 119.0		2.4	4.5



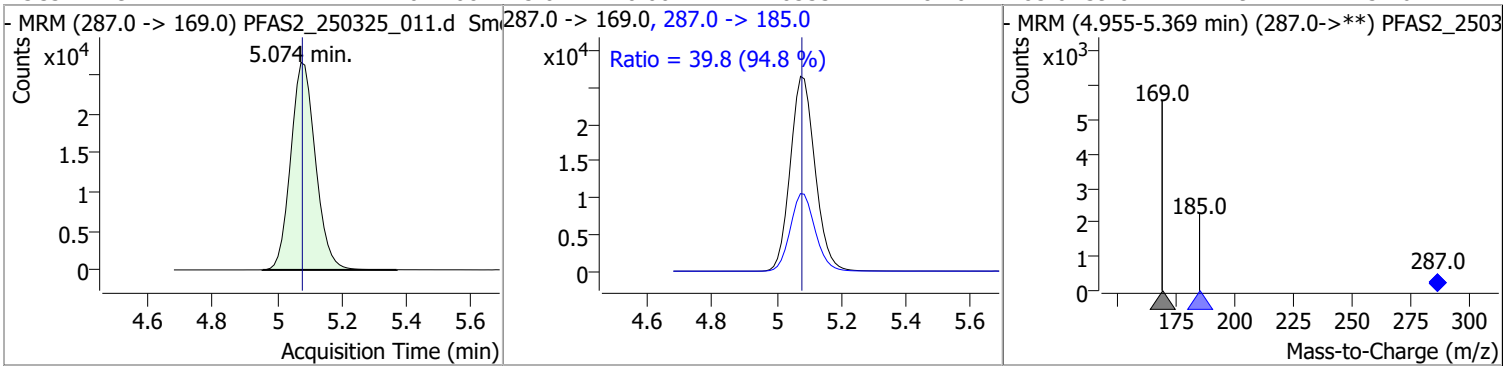
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4885	4.93	0.00	49752	302.0 -> 99.0	44.0	29.4	54.5



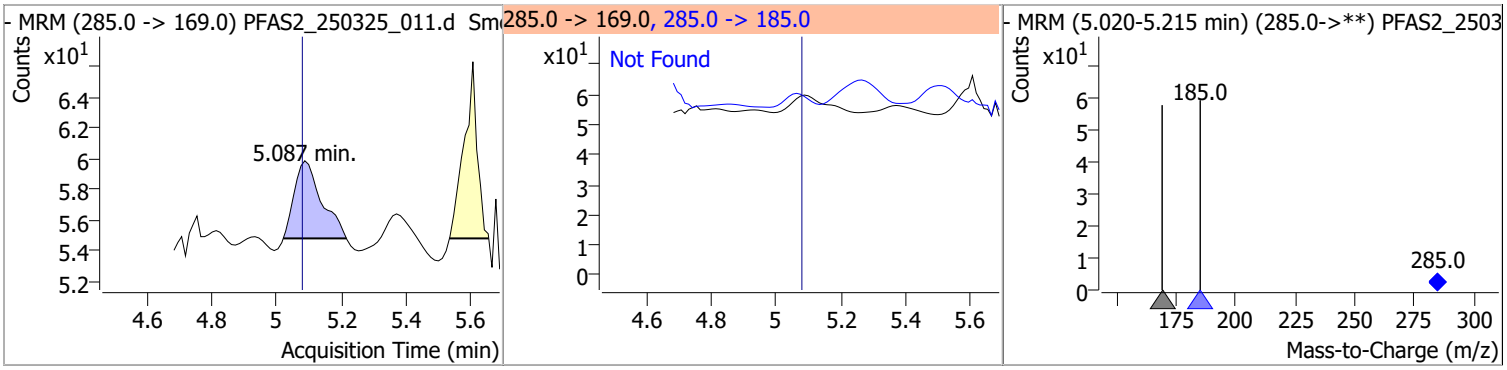
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0009	5.23	0.30	20	298.9 -> 99.0	44.0	28.3	52.5



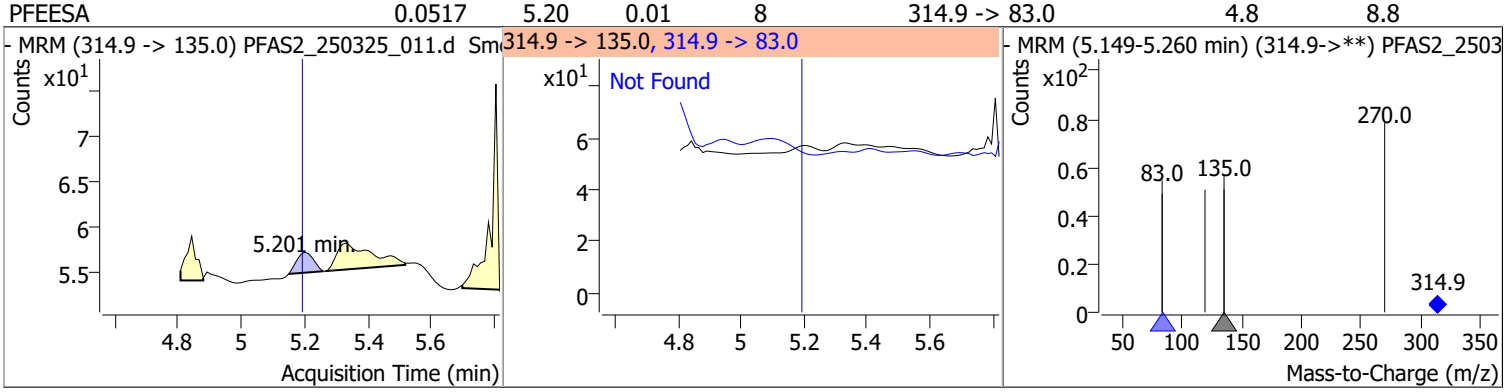
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2408	5.07	0.00	140533	287.0 -> 185.0	39.8	29.4	54.6



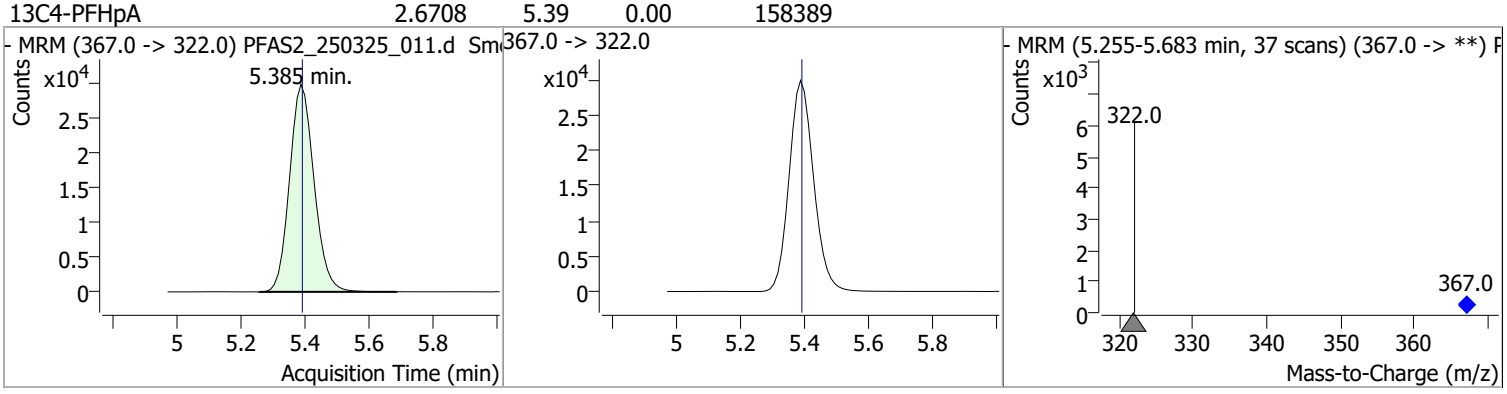
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0023	5.09	0.01	29	285.0 -> 185.0		30.1	56.0



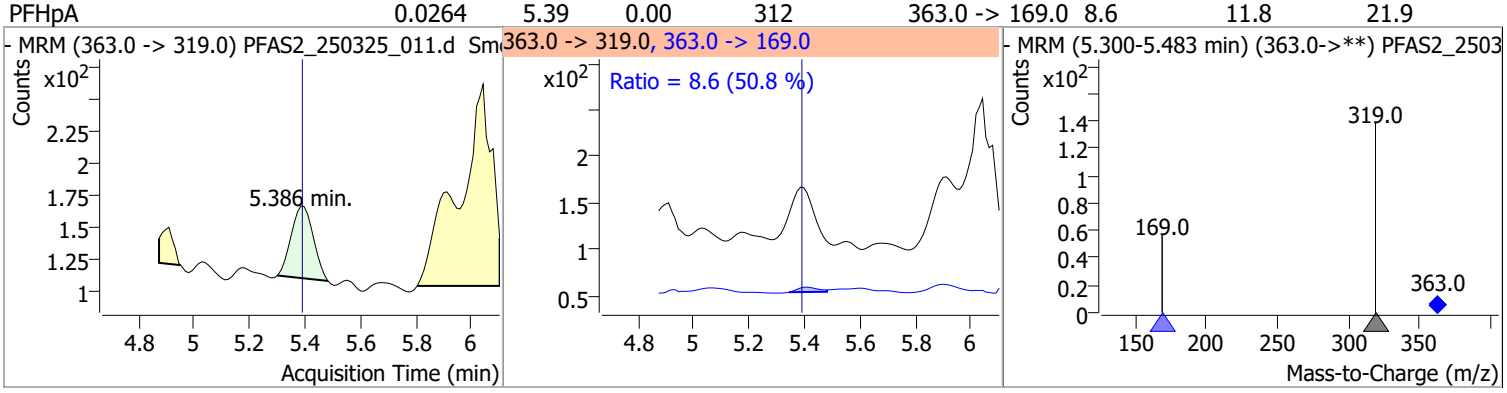
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0517	5.20	0.01	8	314.9 -> 83.0		4.8	8.8



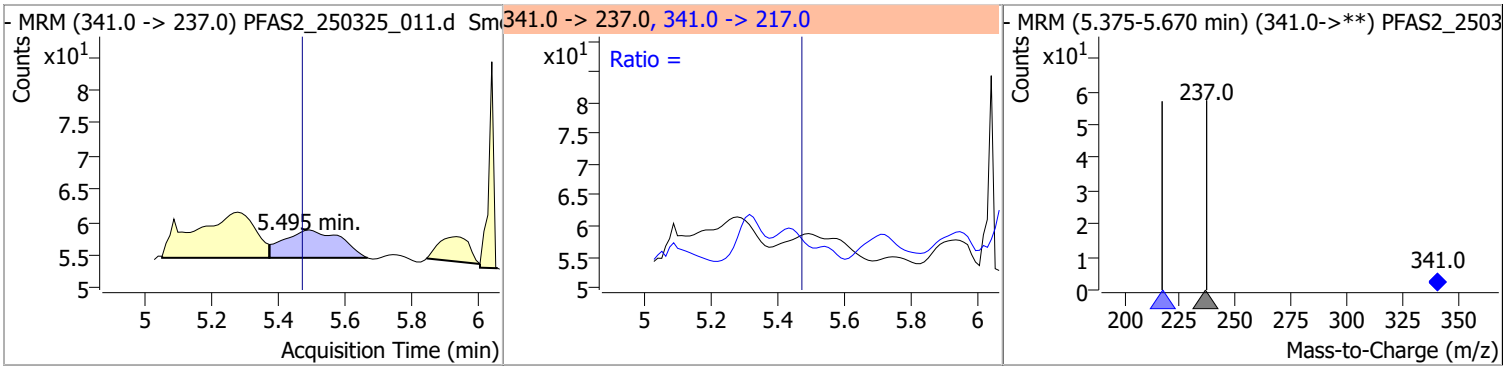
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6708	5.39	0.00	158389				



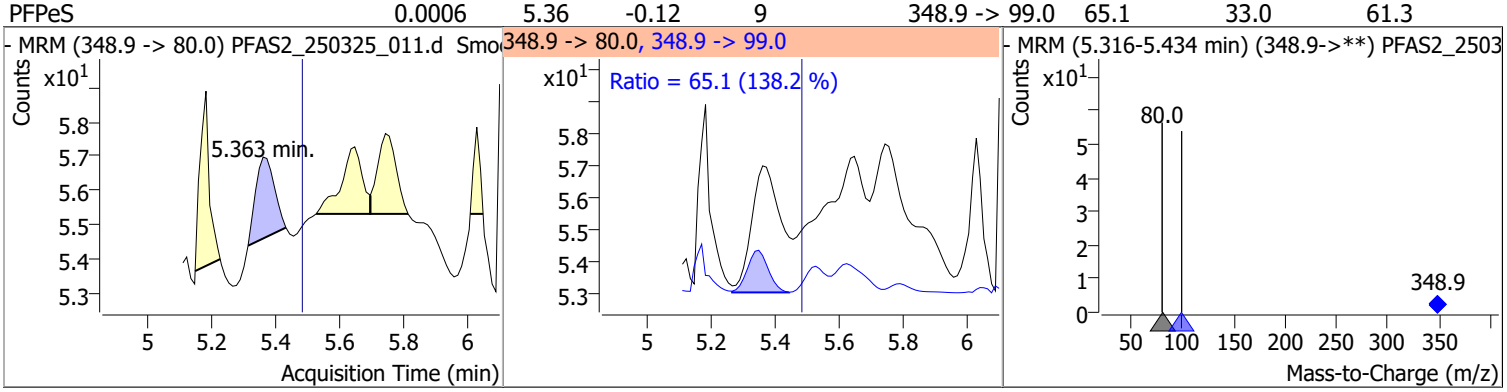
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0264	5.39	0.00	312	363.0 -> 169.0	8.6	11.8	21.9



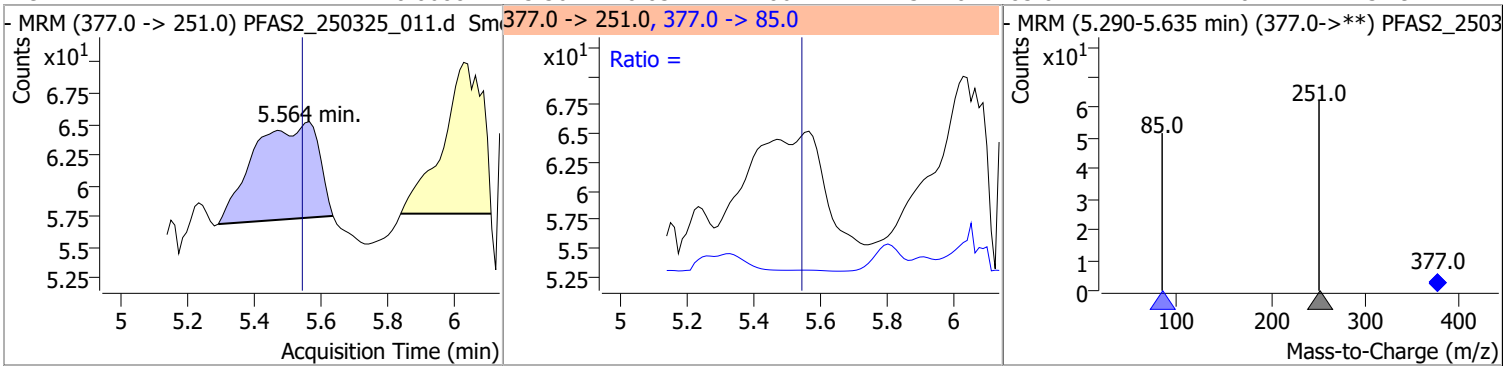
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1904	5.49	0.02	50	341.0 -> 217.0		63.6	118.1



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0006	5.36	-0.12	9	348.9 -> 99.0	65.1	33.0	61.3

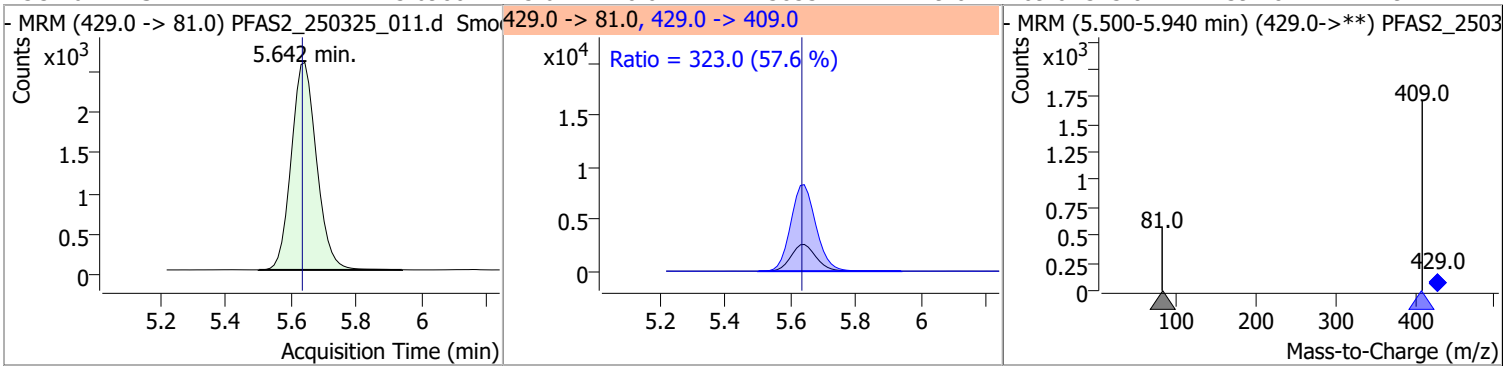


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0688	5.56	0.03	106	377.0 -> 85.0		20.4	37.9

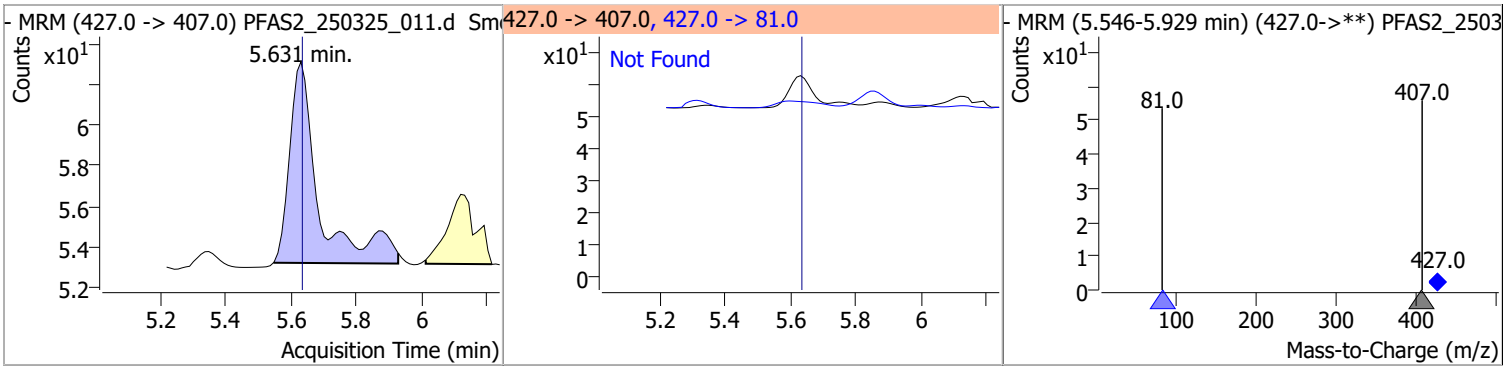


Quantitation Results Report (Not Reviewed)

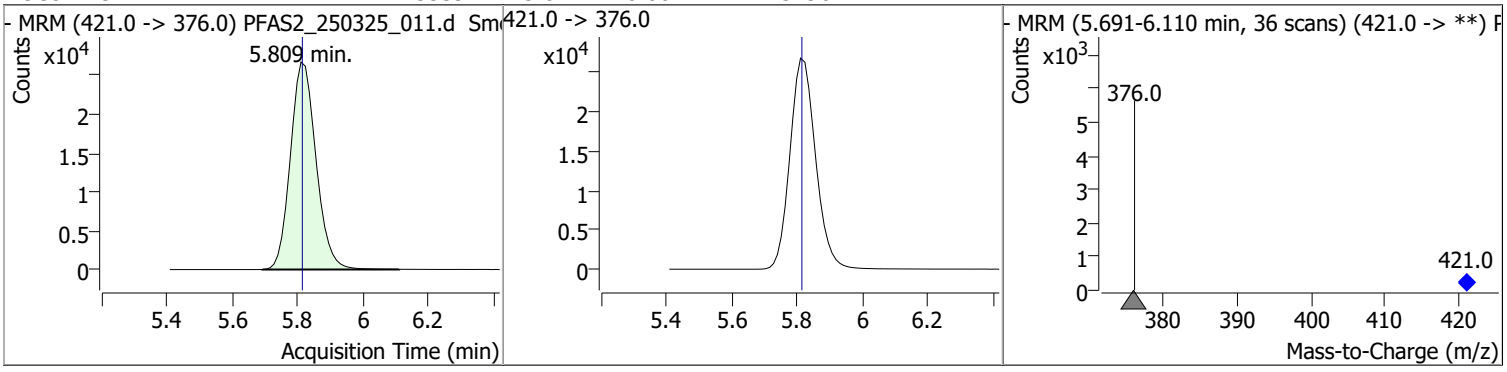
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6980	5.64	0.01	13853	429.0 -> 409.0	323.0	392.8	729.4



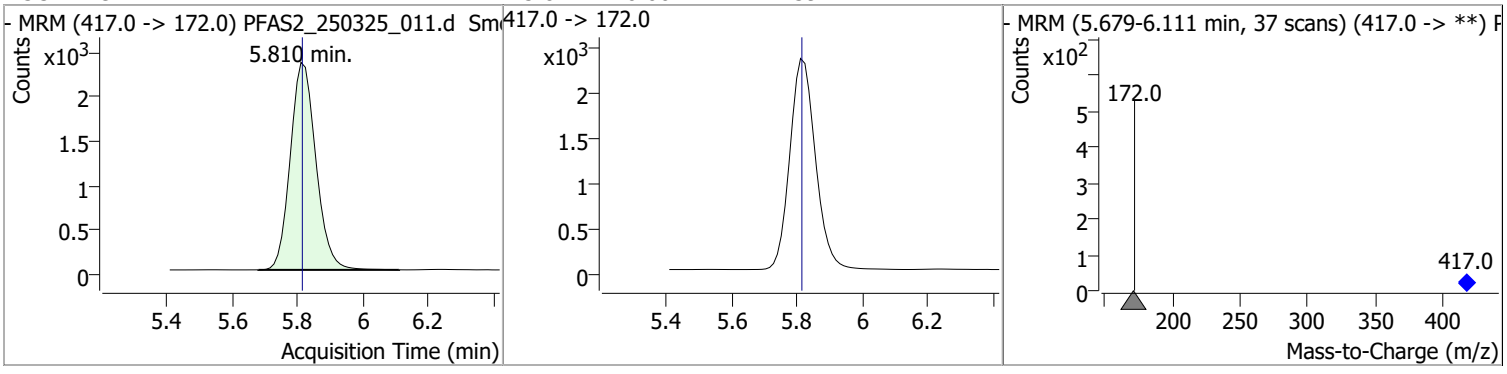
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1163	5.63	0.00	62	427.0 -> 81.0		17.7	32.8



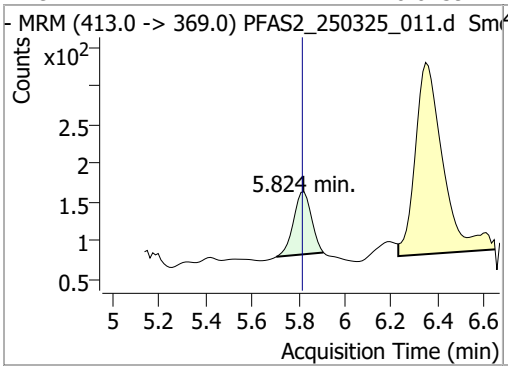
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5539	5.81	0.00	145490				

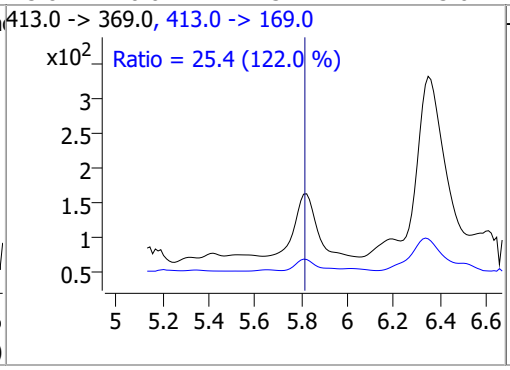


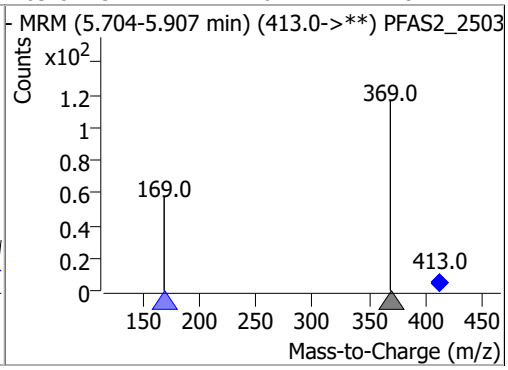
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	12739				



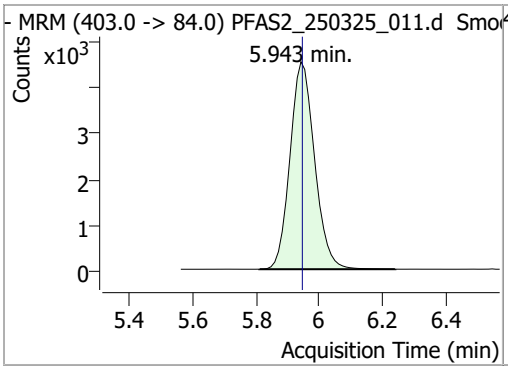
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0439	5.82	0.01	437	413.0 -> 169.0	25.4	14.6	27.0

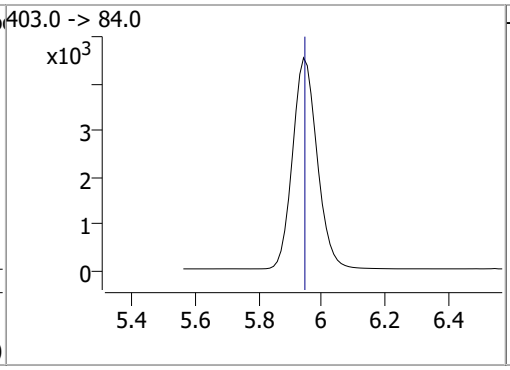


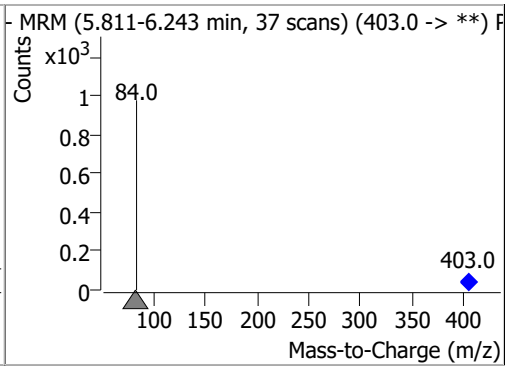




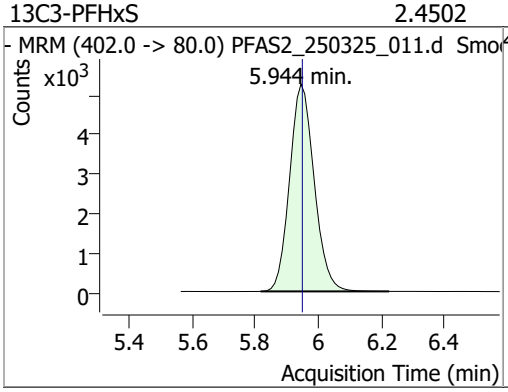
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	24414				

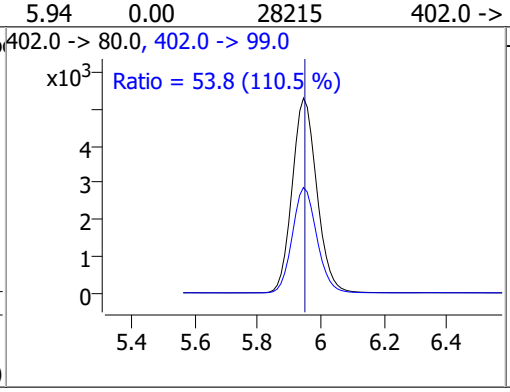


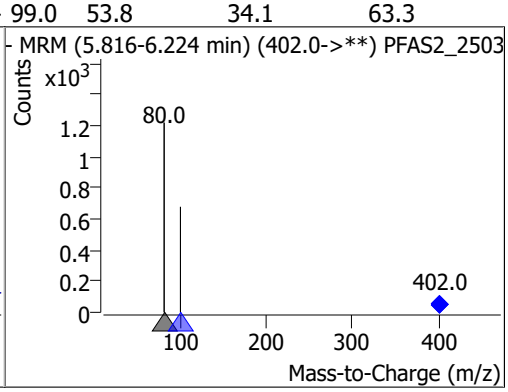




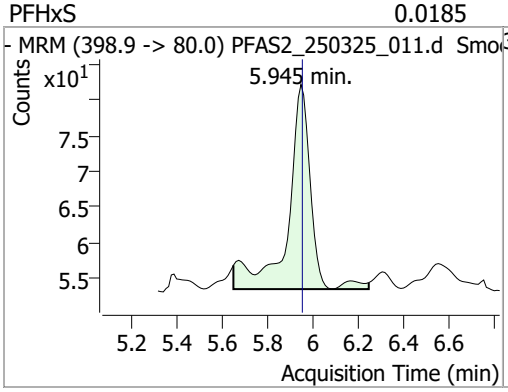
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4502	5.94	0.00	28215	402.0 -> 99.0	53.8	34.1	63.3

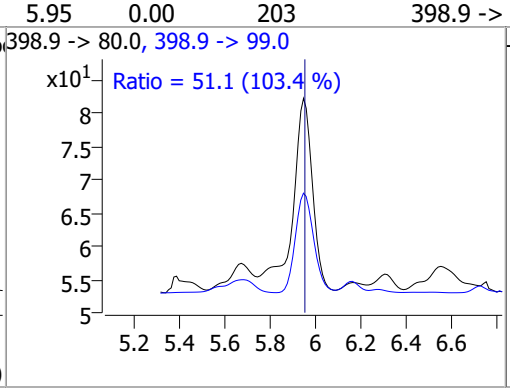


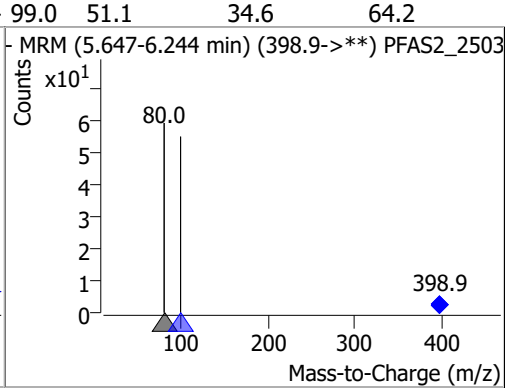




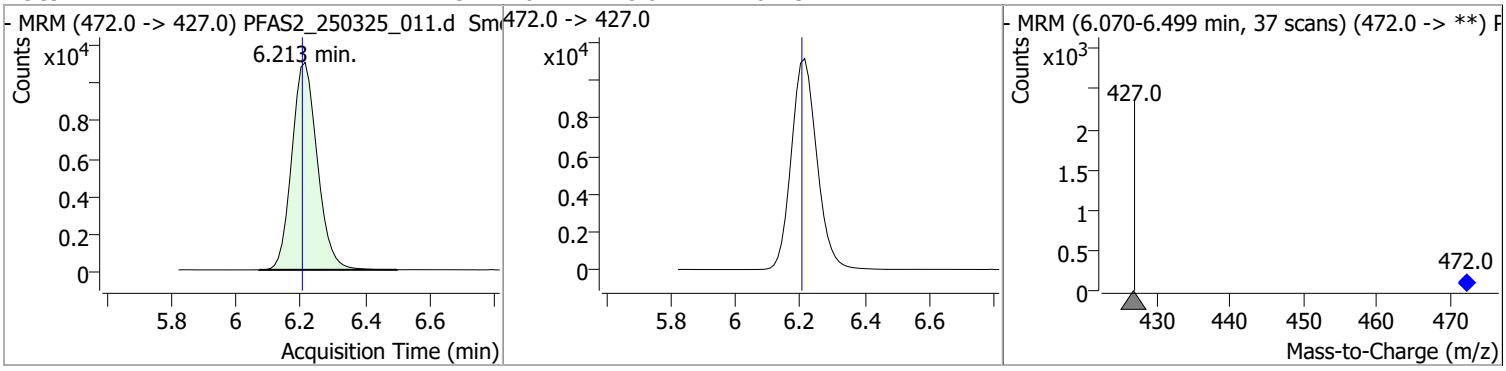
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0185	5.95	0.00	203	398.9 -> 99.0	51.1	34.6	64.2



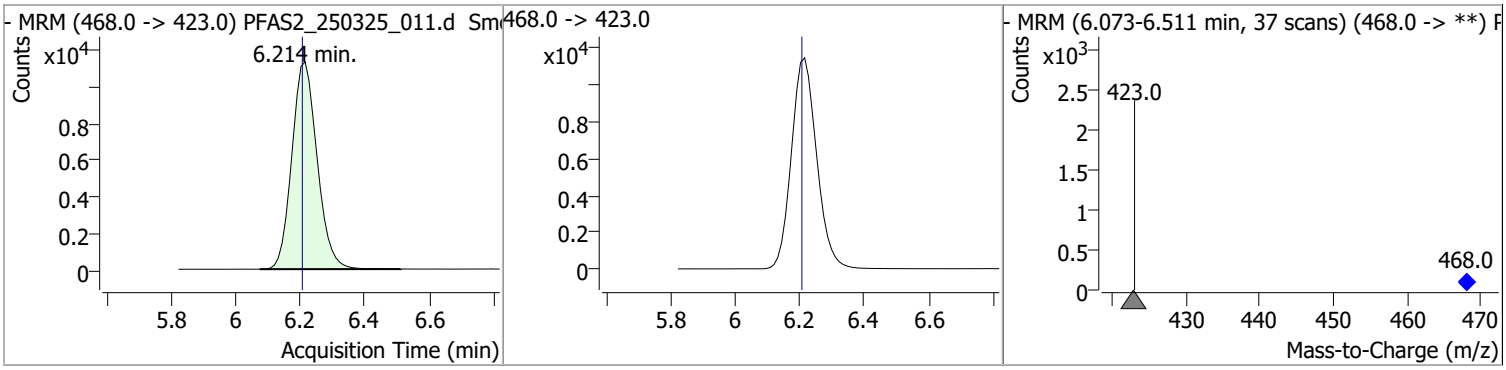




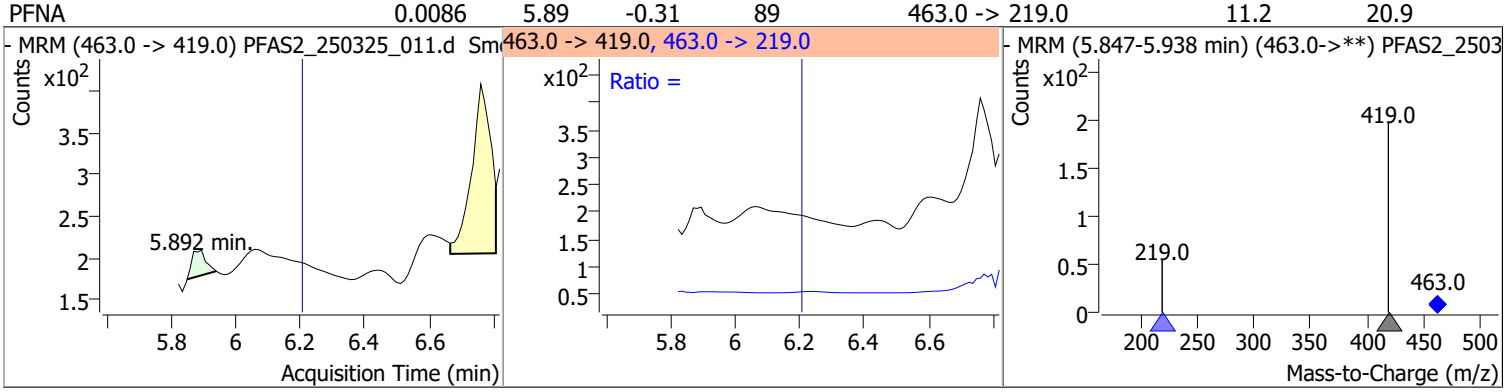
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2473	6.21	0.01	61134				



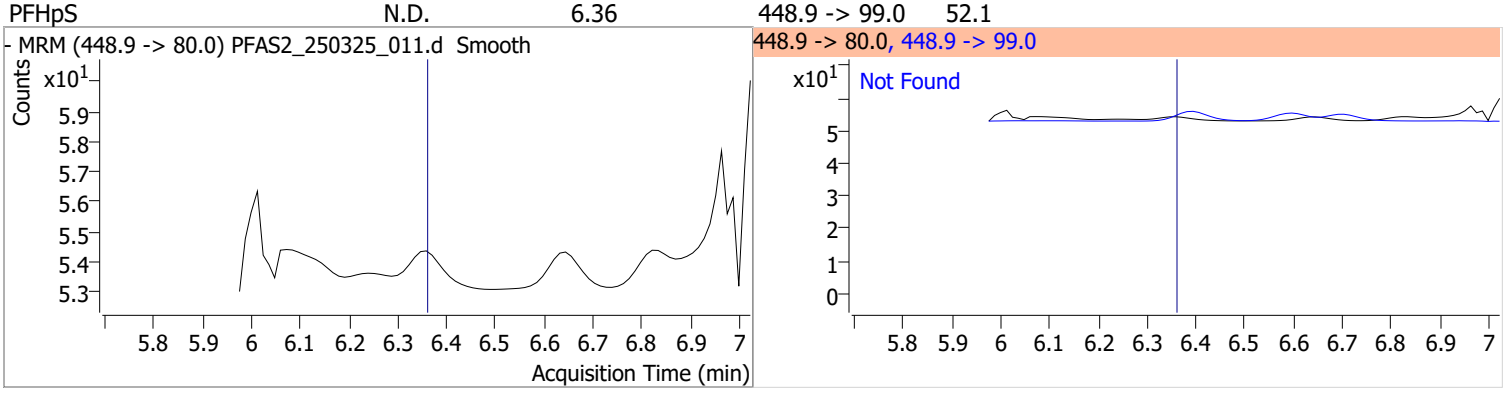
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	61855				



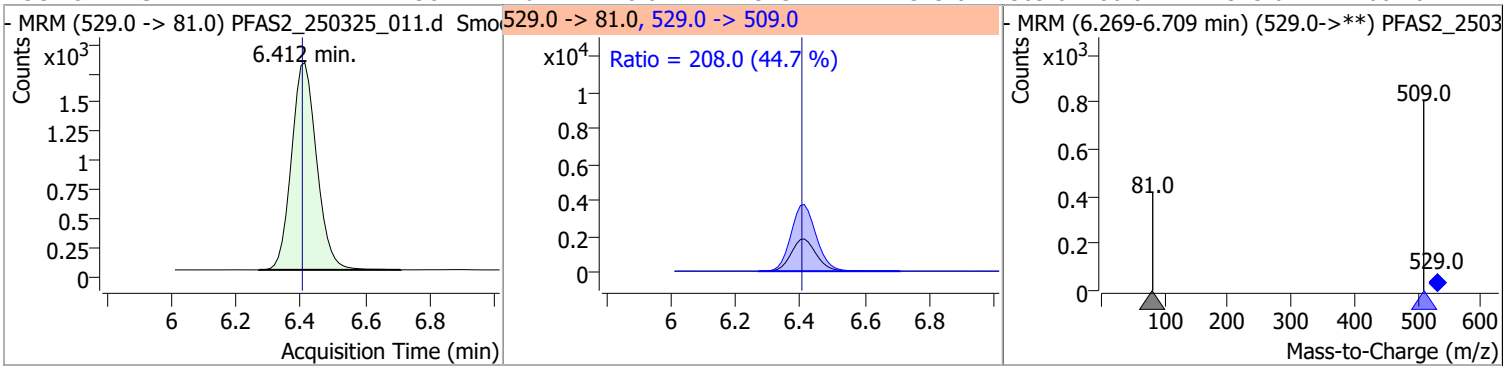
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0086	5.89	-0.31	89	463.0 -> 219.0		11.2	20.9



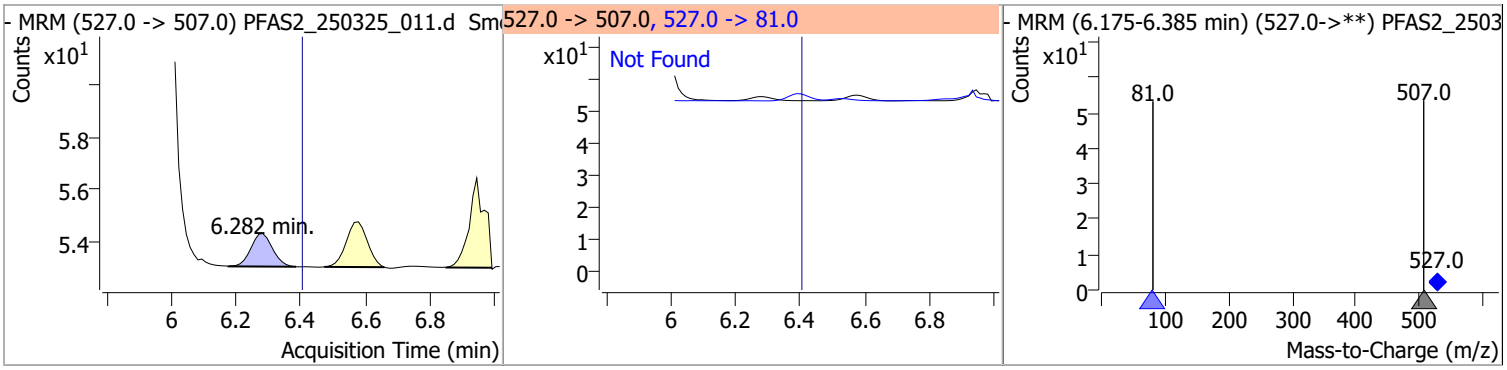
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



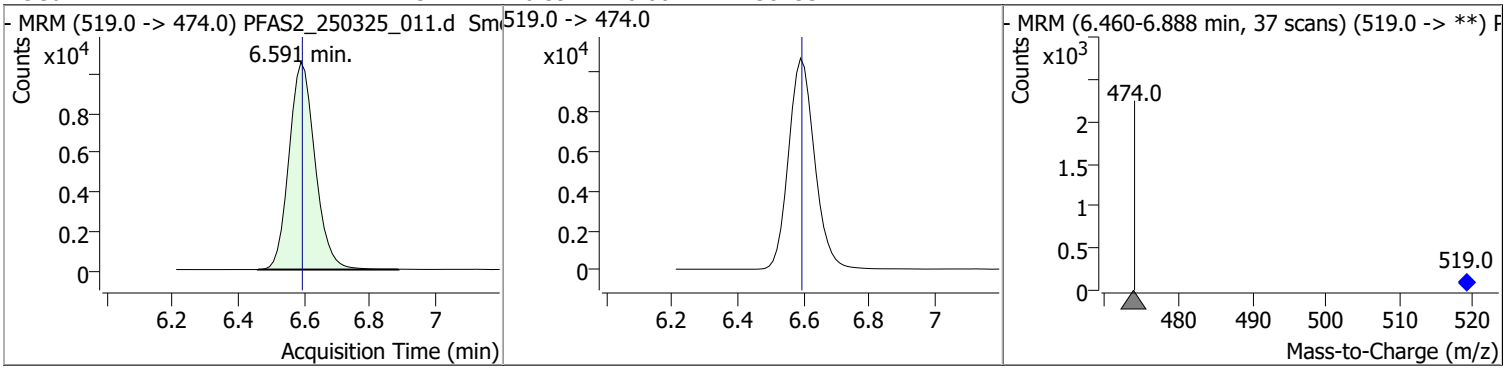
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9814	6.41	0.01	9737	529.0 -> 509.0	208.0	325.6	604.6



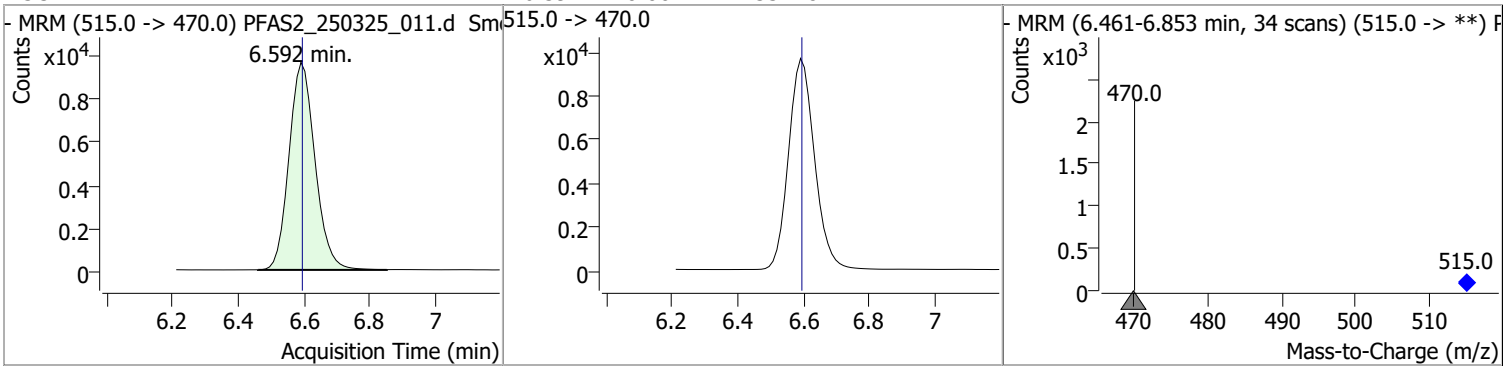
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0737	6.28	-0.12	6	527.0 -> 81.0		19.7	36.6



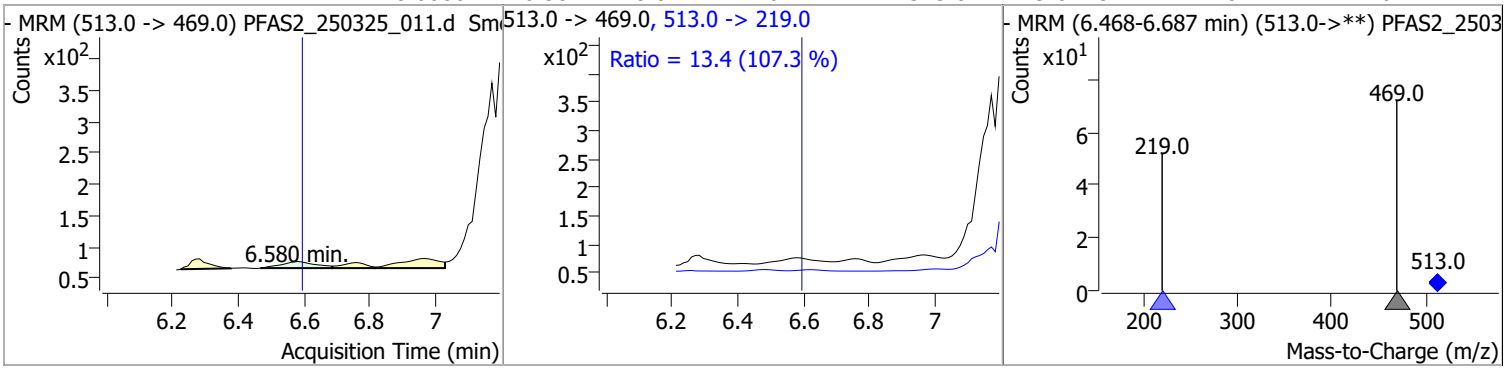
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3414	6.59	0.00	58155				



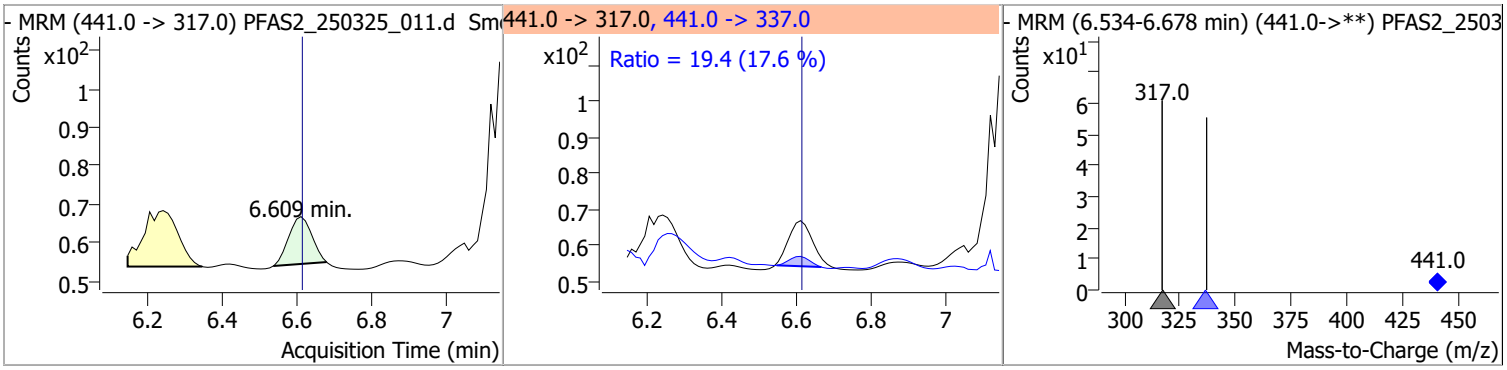
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	53278				



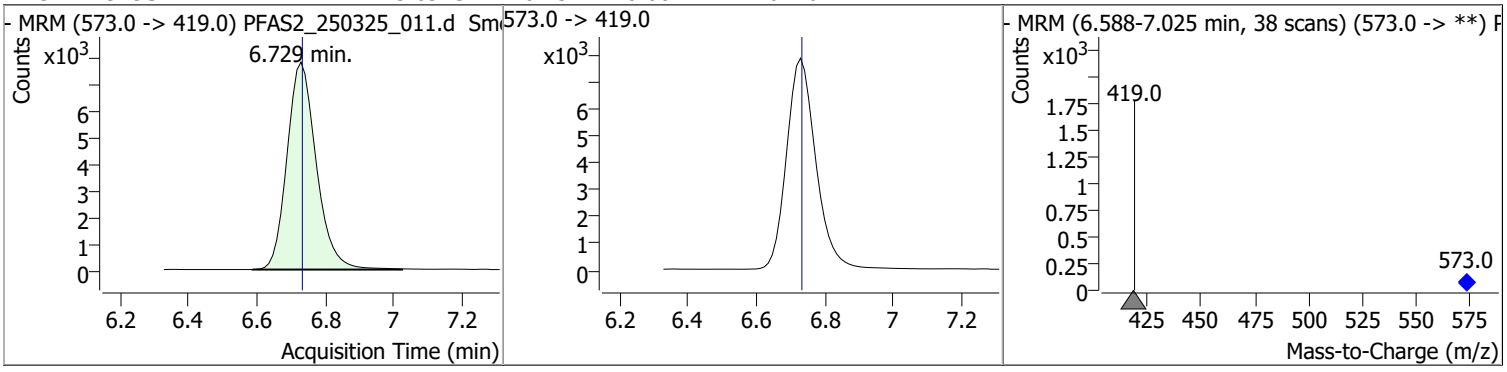
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.58	-0.01	76	513.0 -> 219.0	13.4	8.7	16.2



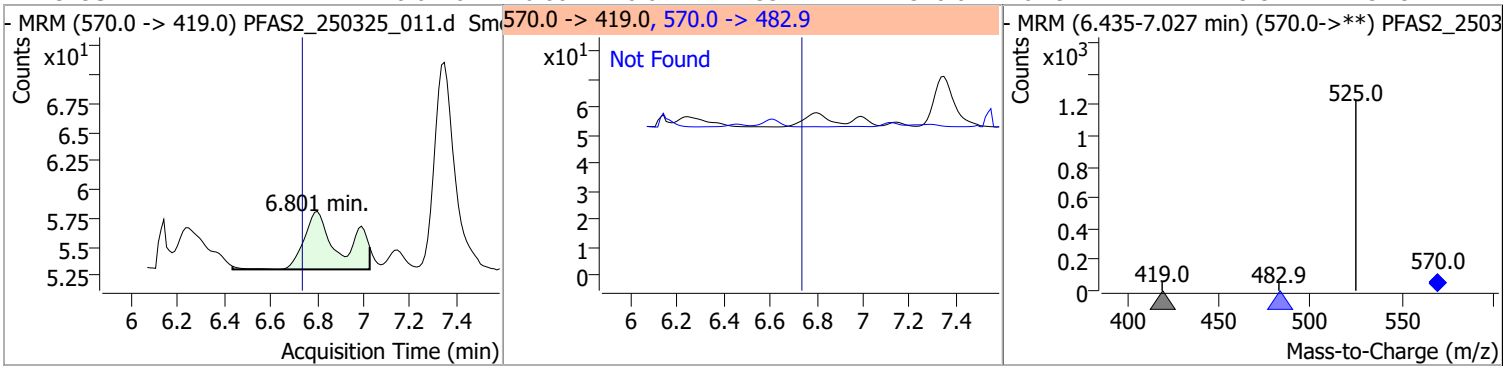
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2633	6.61	0.00	53	441.0 -> 337.0	19.4	77.1	143.3



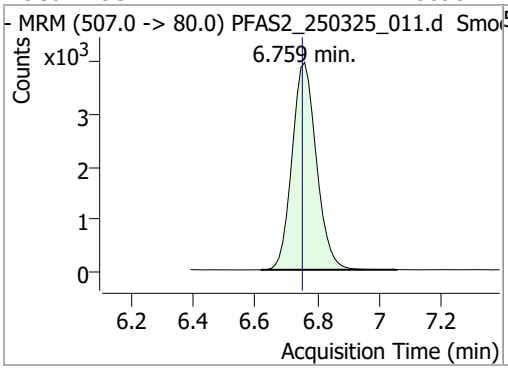
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0913	6.73	0.00	46476				

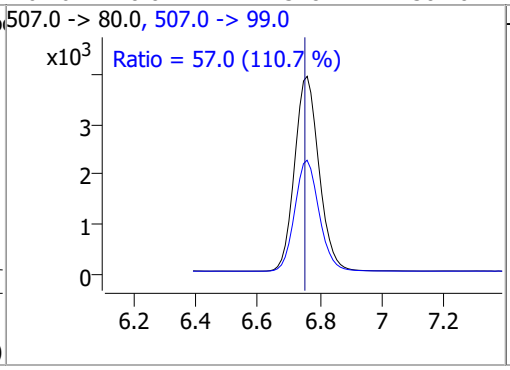


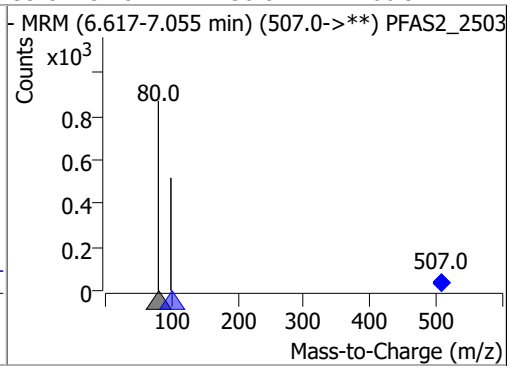
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0148	6.80	0.07	55	570.0 -> 482.9		29.5	54.9



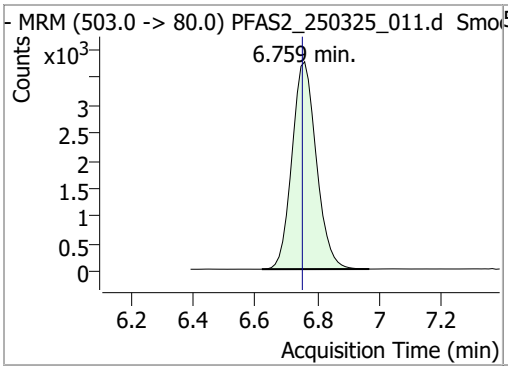
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5890	6.76	0.01	21378	507.0 -> 99.0	57.0	36.0	66.9

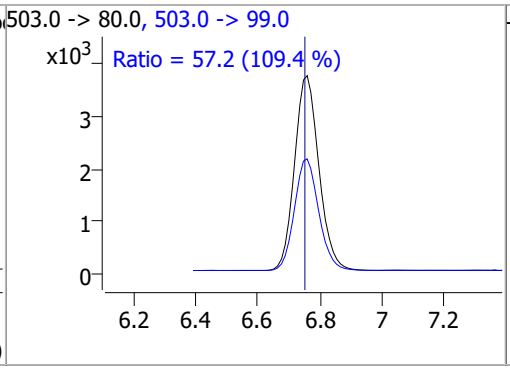


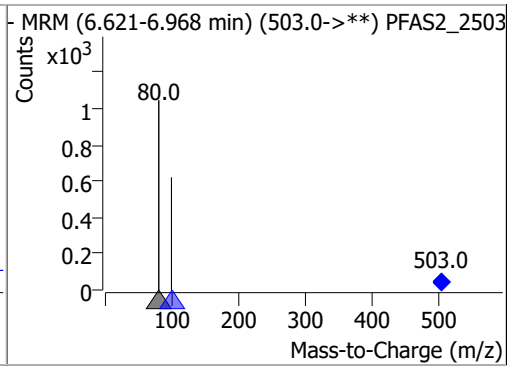




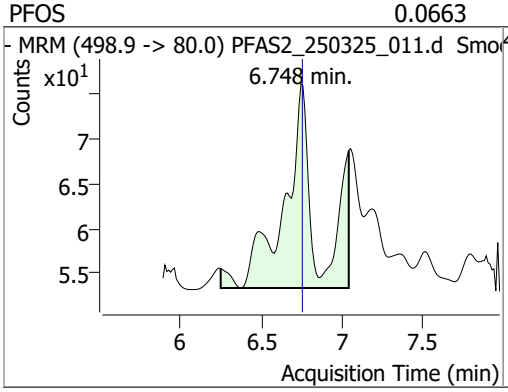
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	20345	503.0 -> 99.0	57.2	36.6	67.9

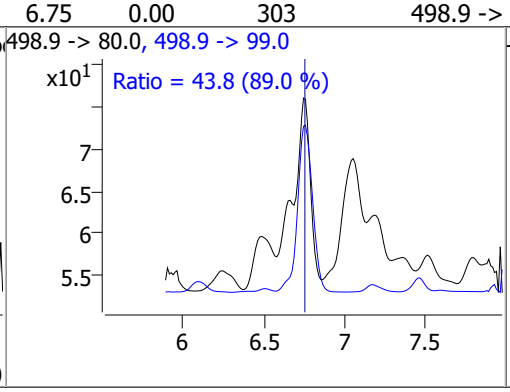


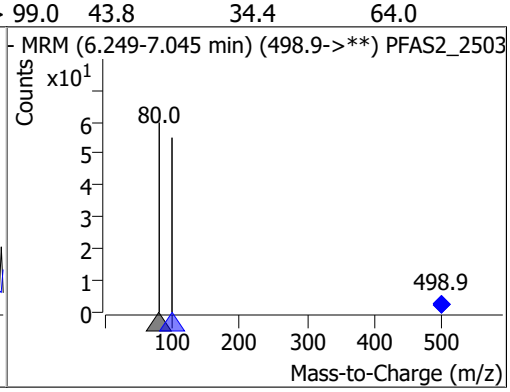




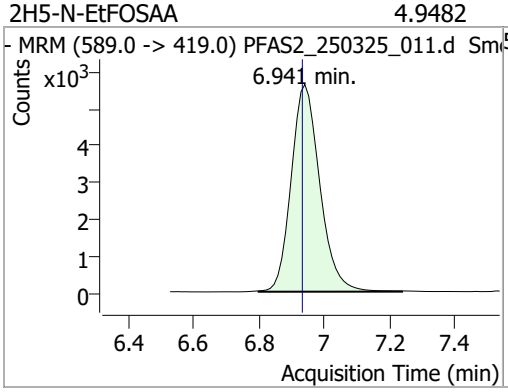
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0663	6.75	0.00	303	498.9 -> 99.0	43.8	34.4	64.0

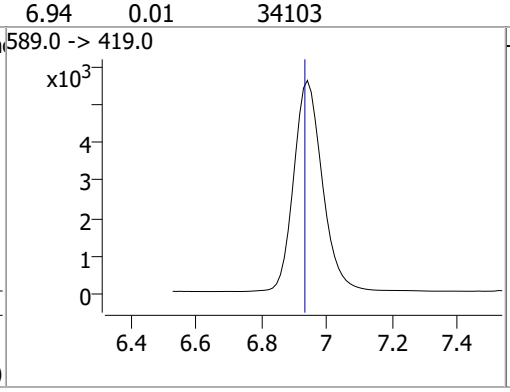


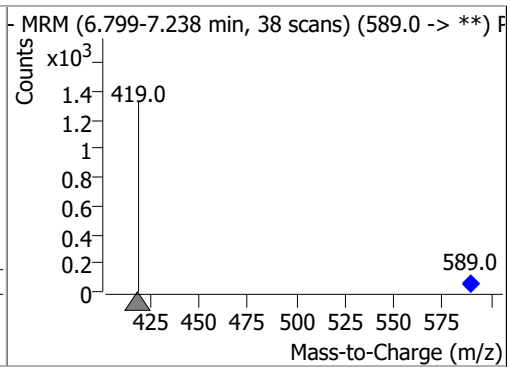




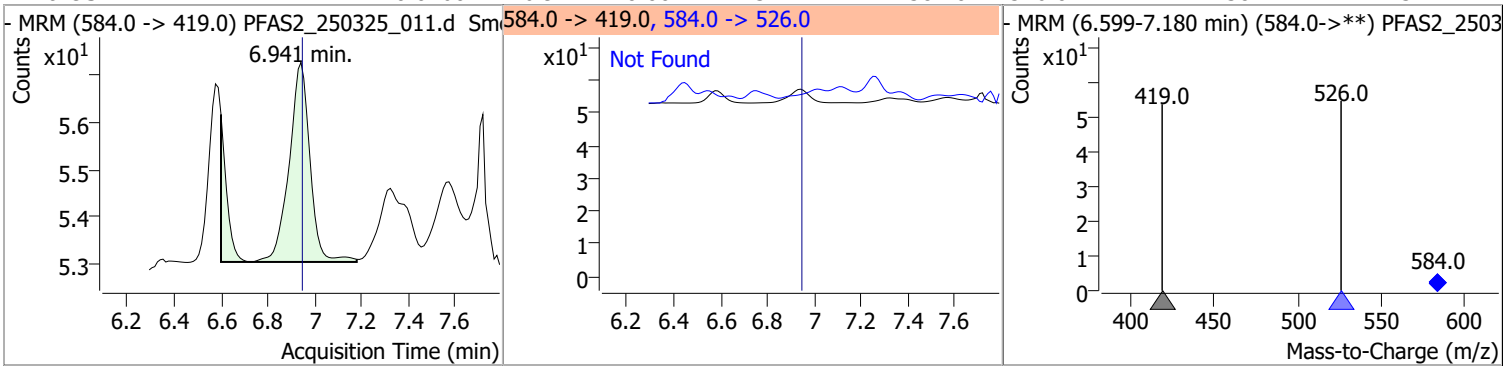
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9482	6.94	0.01	34103				



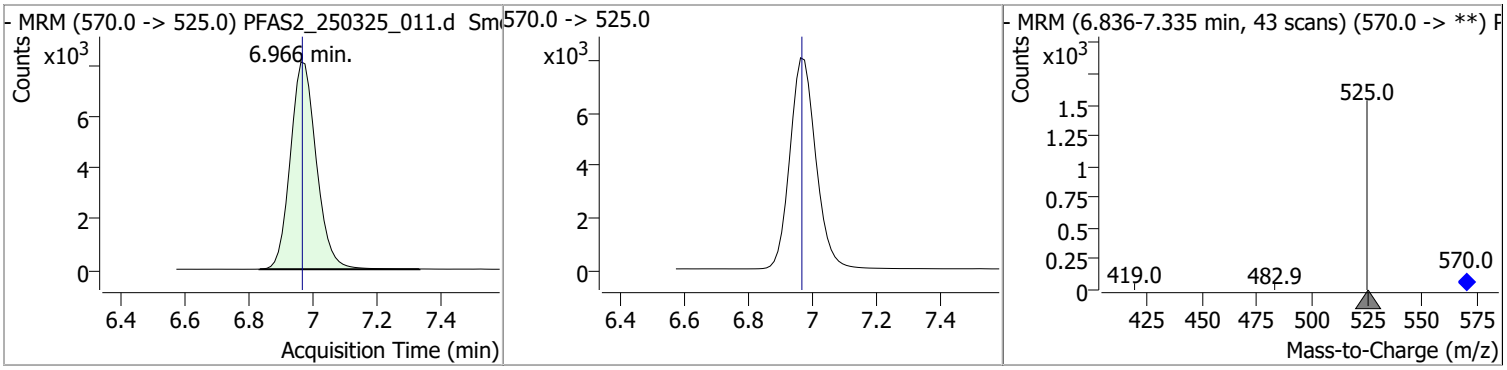




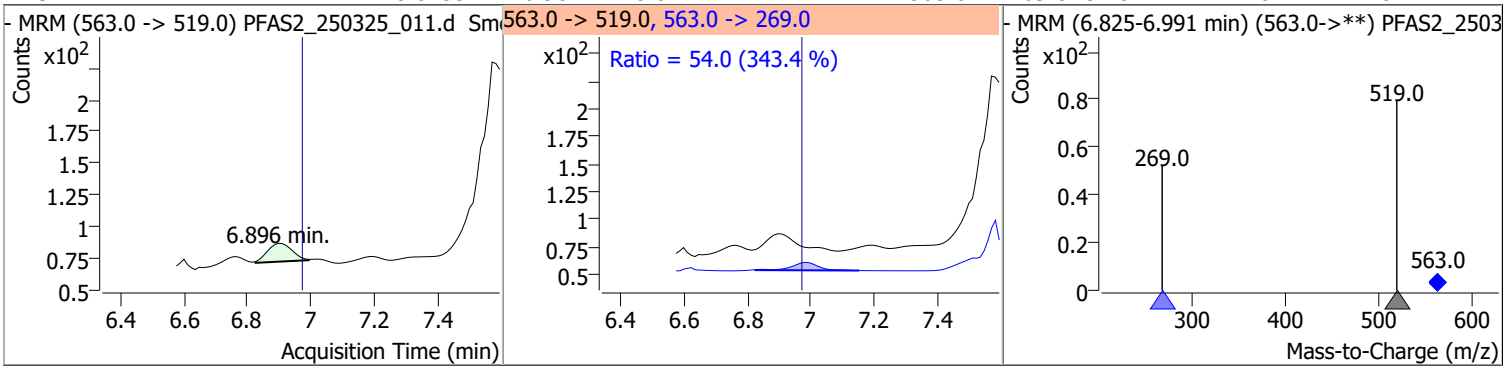
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0160	6.94	0.00	31	584.0 -> 526.0		38.4	71.3



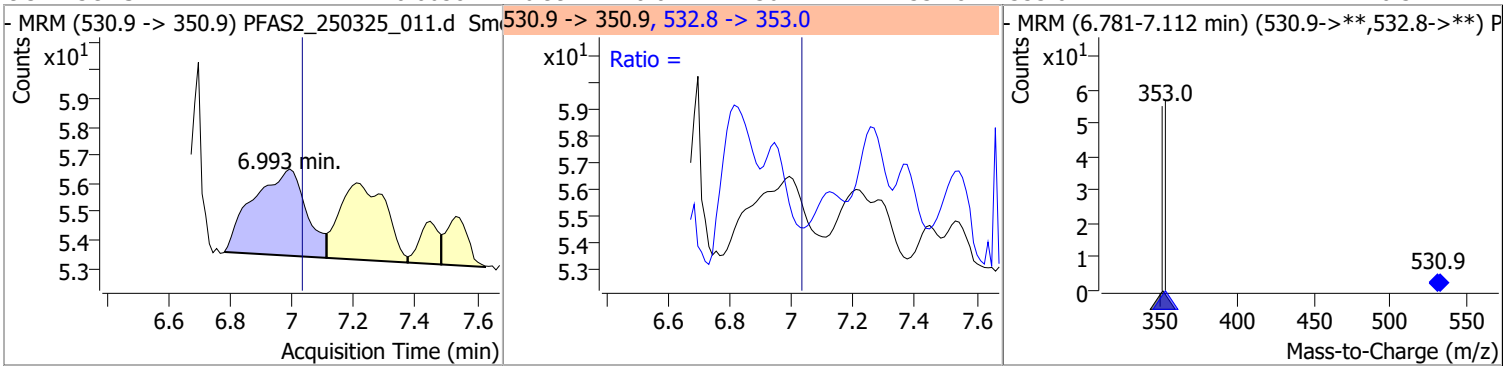
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3342	6.97	0.00	45585				



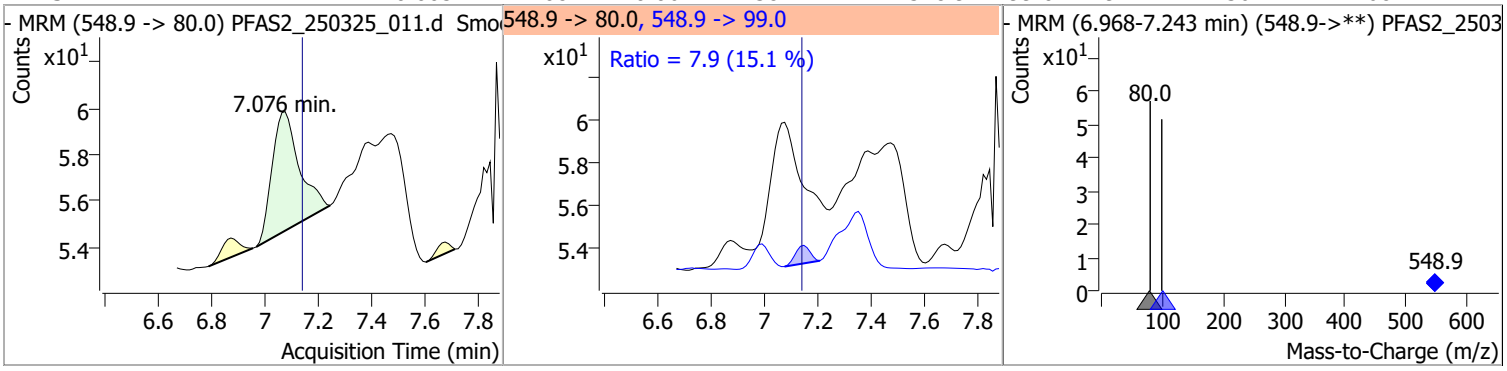
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0155	6.90	-0.07	77	563.0 -> 269.0	54.0	11.0	20.4



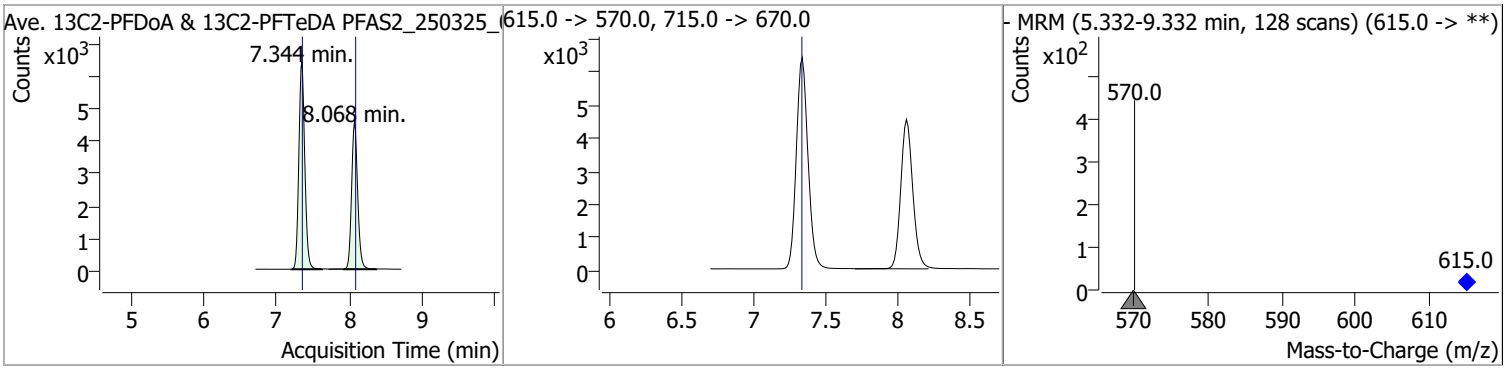
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0658	6.99	-0.04	36	532.8 -> 353.0		21.7	40.3



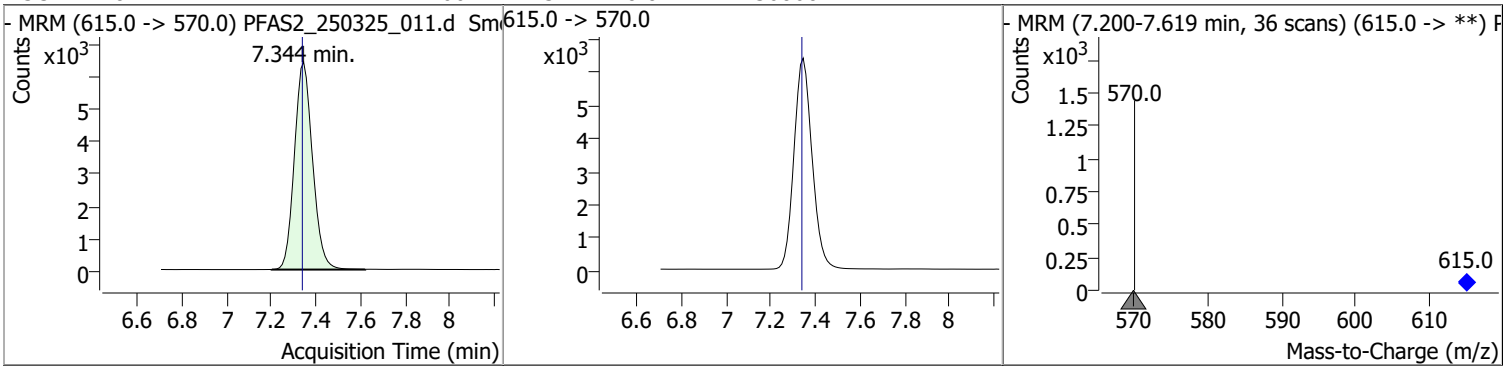
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0052	7.08	-0.06	38	548.9 -> 99.0	7.9	36.7	68.1



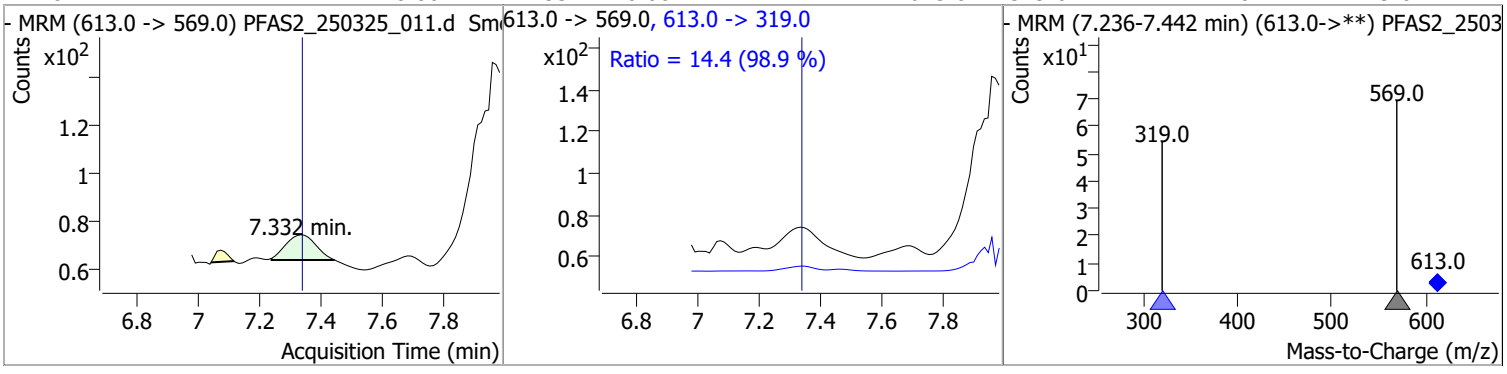
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1087	7.71	0.37	31224				



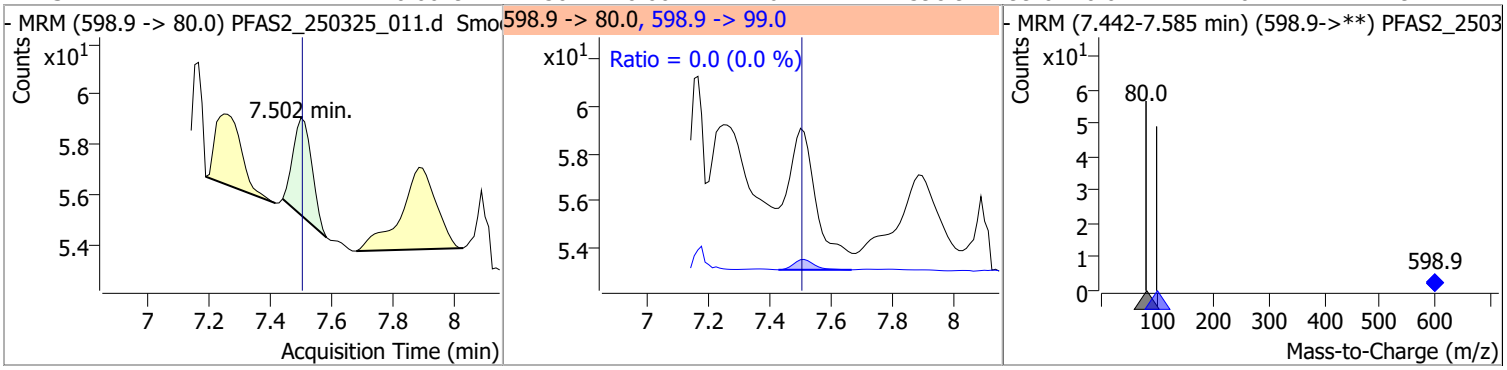
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4166	7.34	0.01	36060				



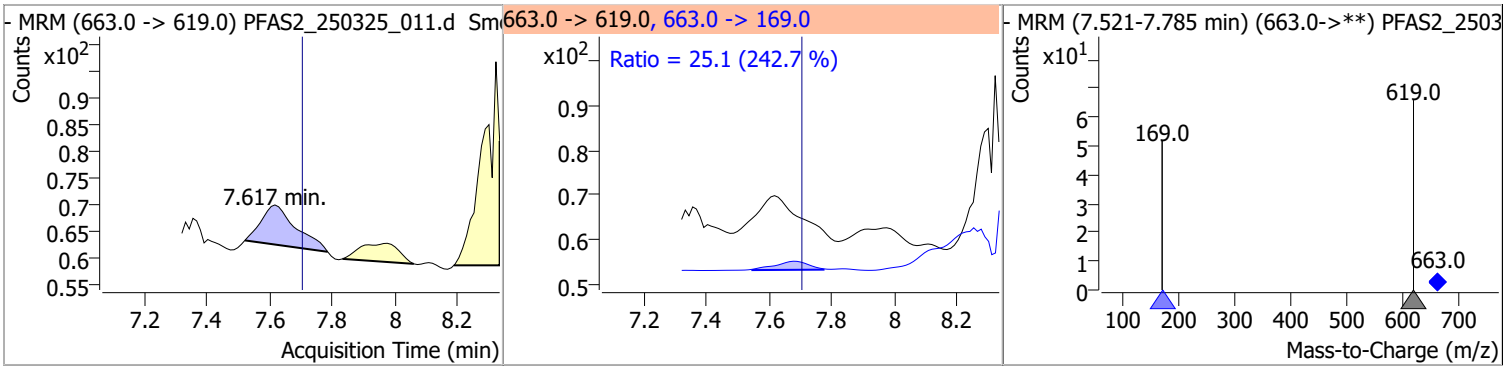
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0027	7.33	0.00	72	613.0 -> 319.0	14.4	10.2	19.0



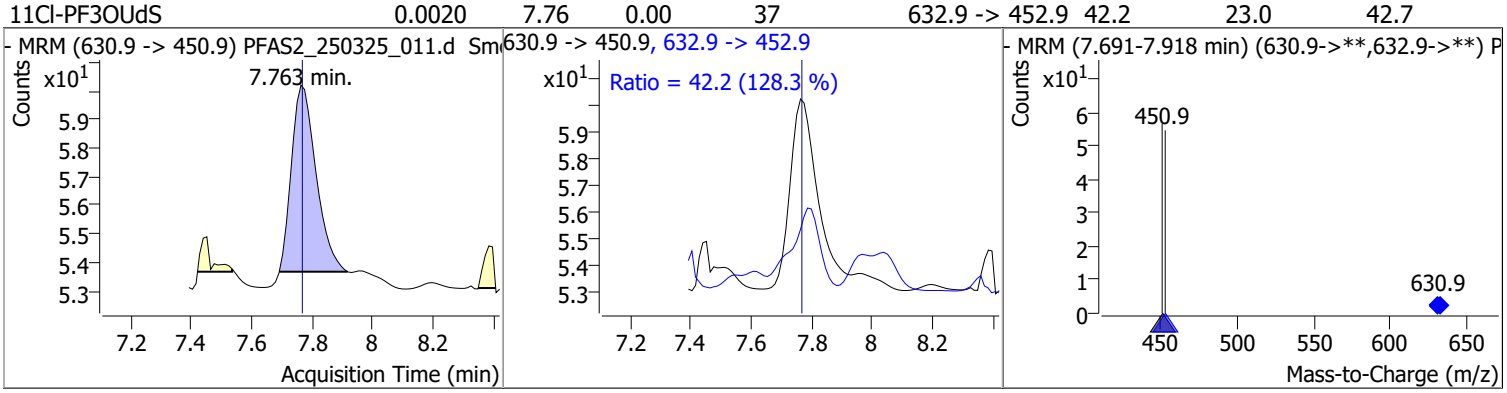
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0029	7.50	0.00	16	598.9 -> 99.0	0.0	40.4	74.9



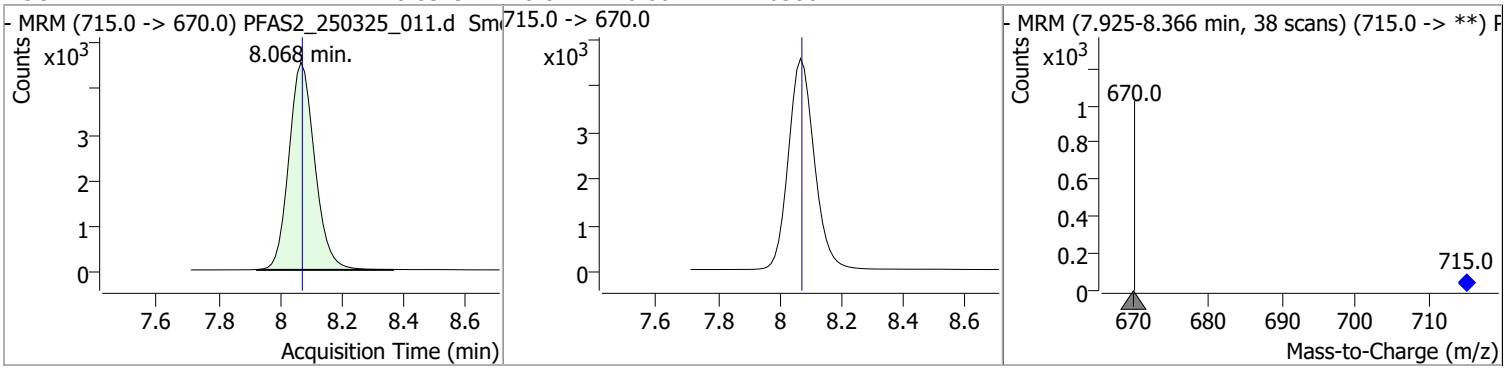
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0024	7.62	-0.08	57	663.0 -> 169.0	25.1	7.2	13.4



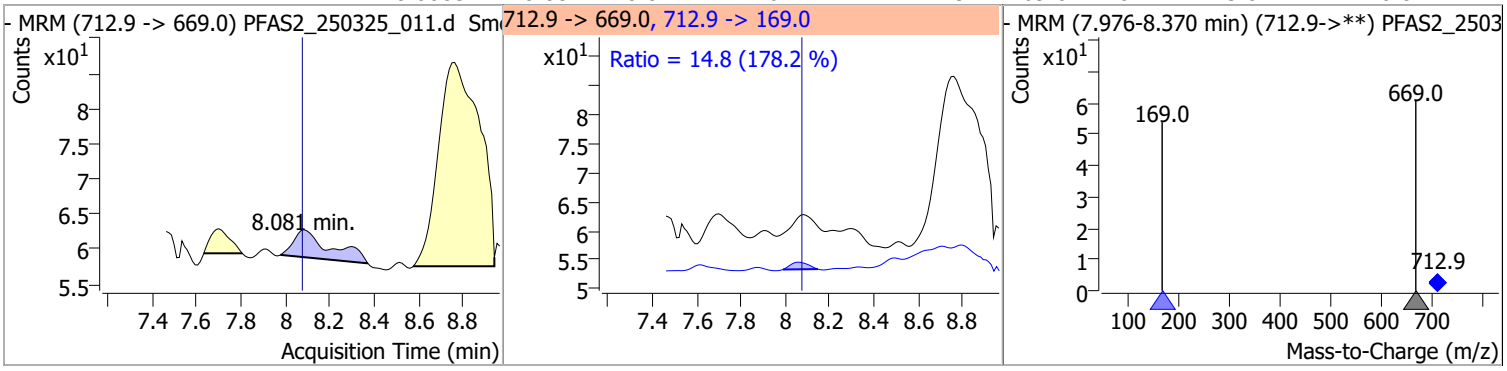
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0020	7.76	0.00	37	632.9 -> 452.9	42.2	23.0	42.7



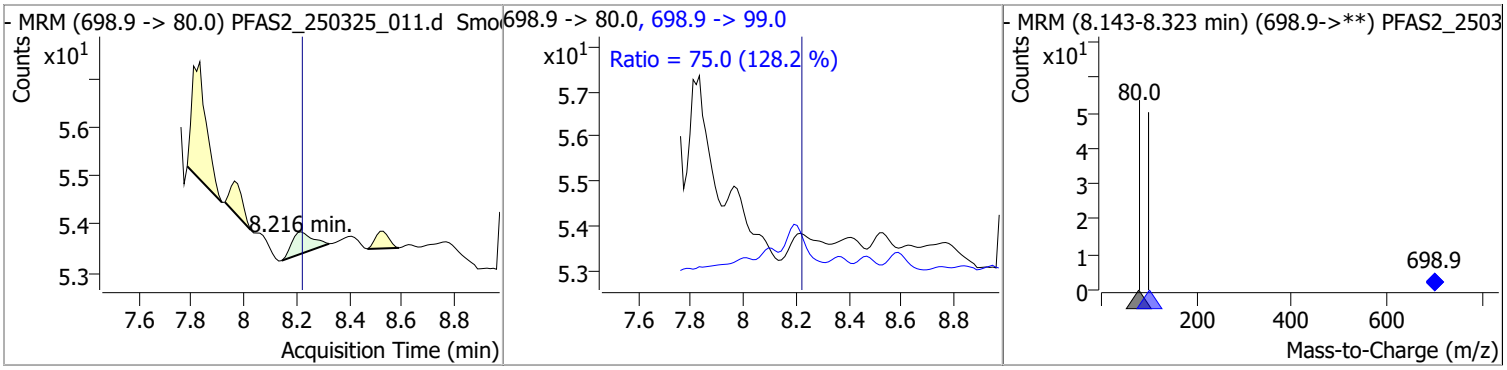
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8549	8.07	0.00	26388				



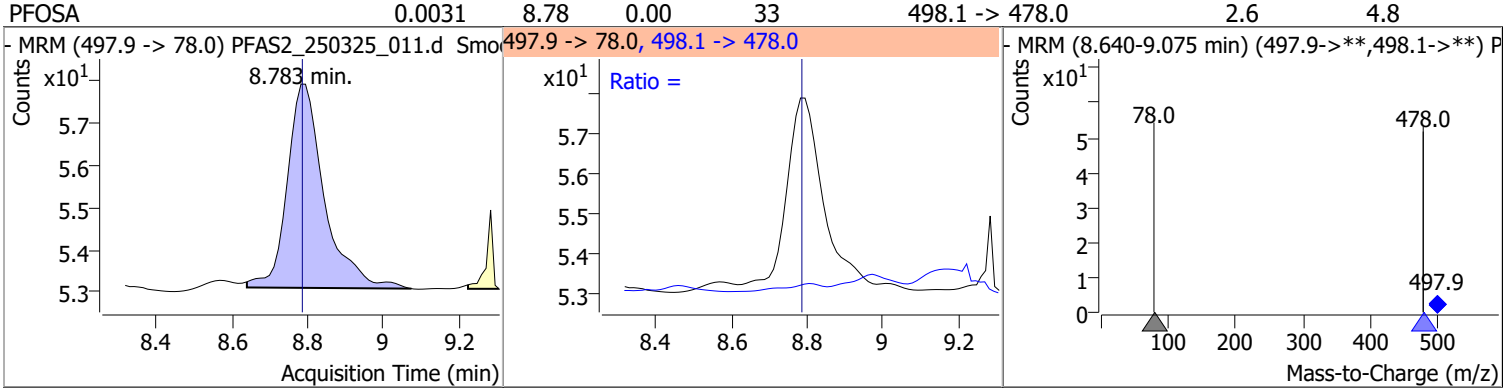
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0085	8.08	0.01	46	712.9 -> 169.0	14.8	5.8	10.8



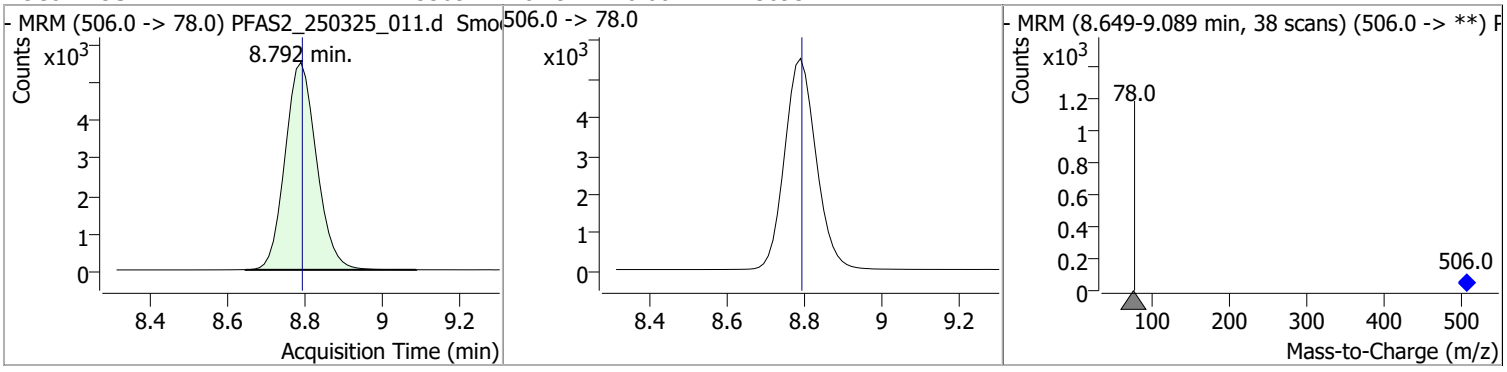
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0010	8.22	0.00	4	698.9 -> 99.0	75.0	41.0	76.1



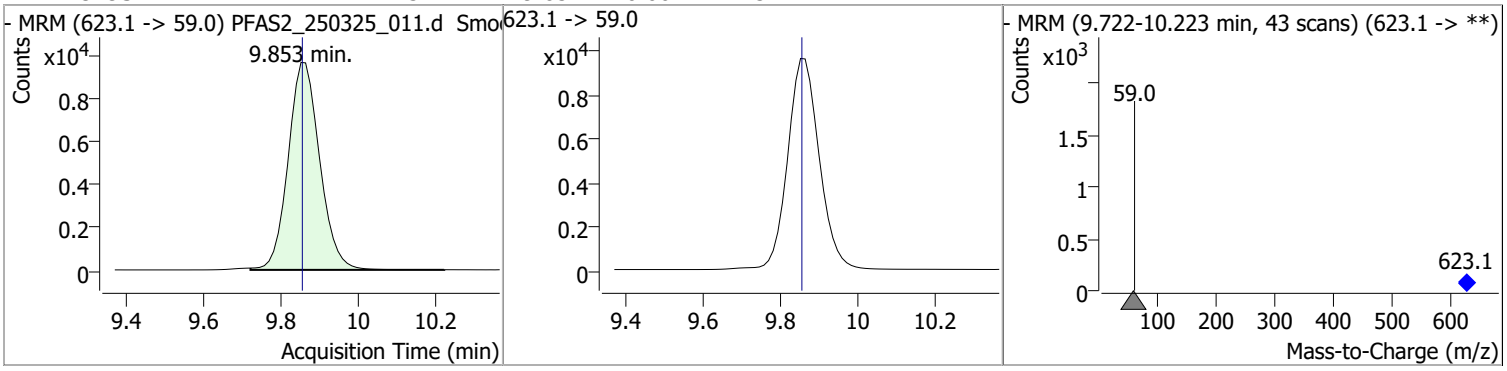
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0031	8.78	0.00	33	498.1 -> 478.0		2.6	4.8



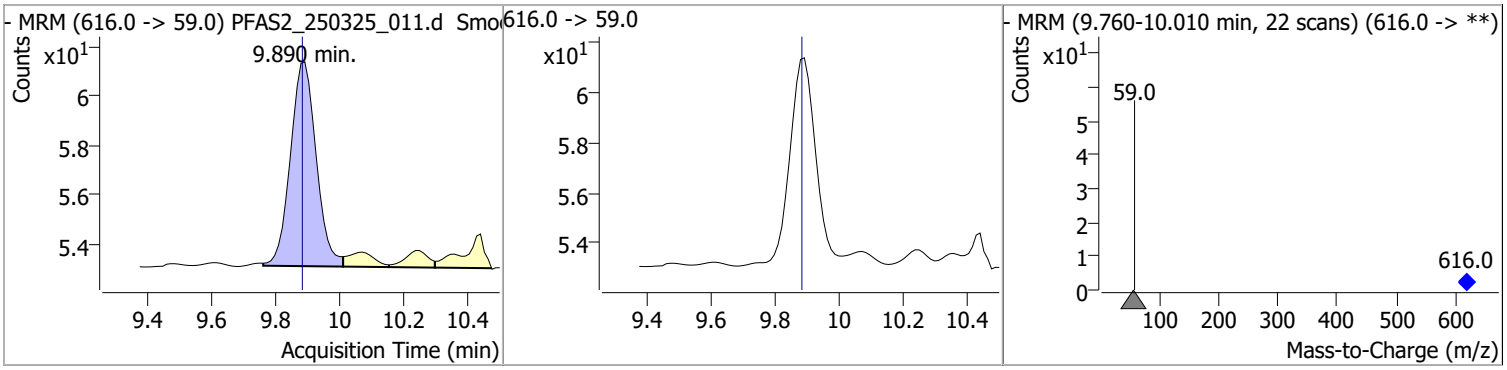
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5565	8.79	0.00	30934				



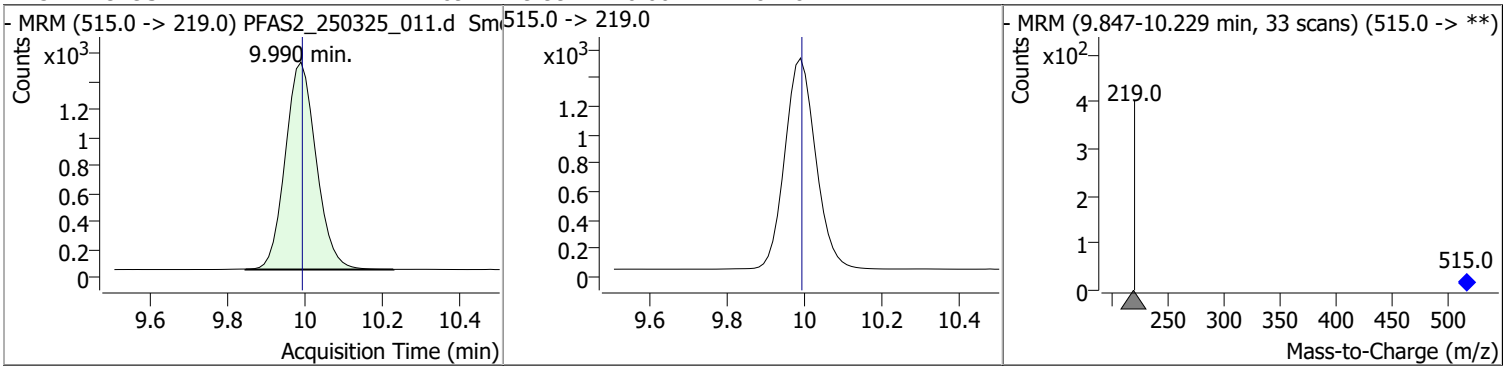
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.2742	9.85	0.00	54447				



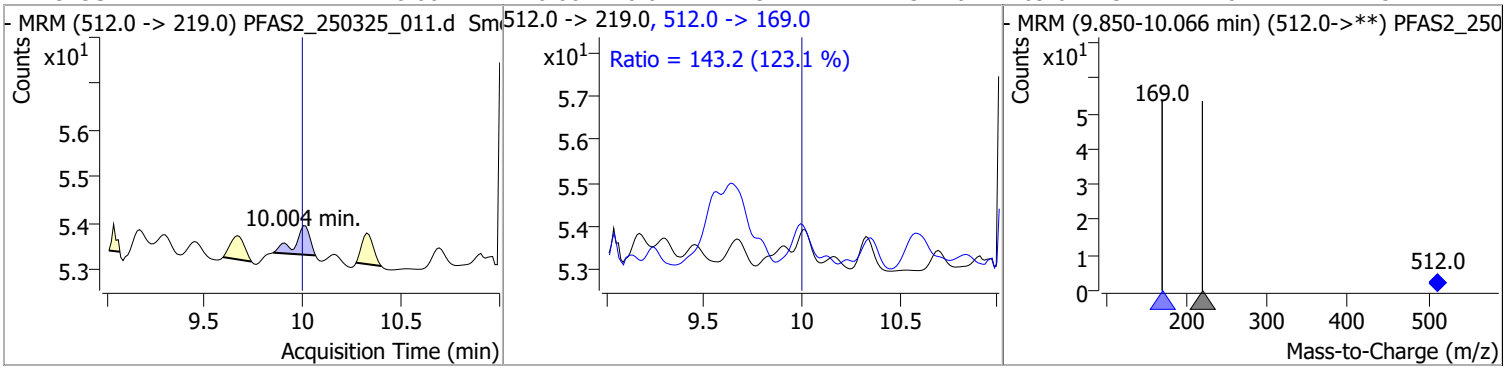
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	47				



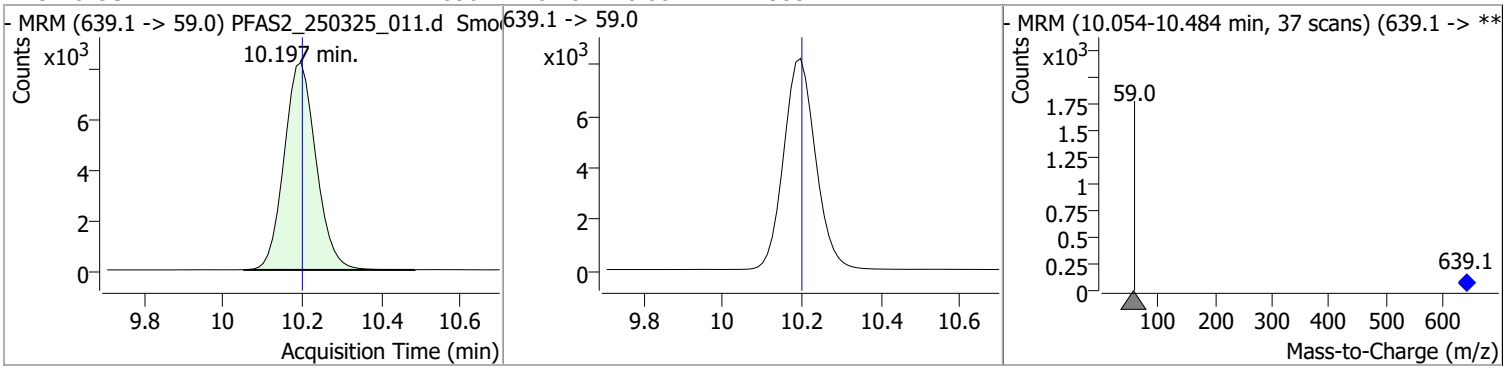
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4289	9.99	0.00	8248				



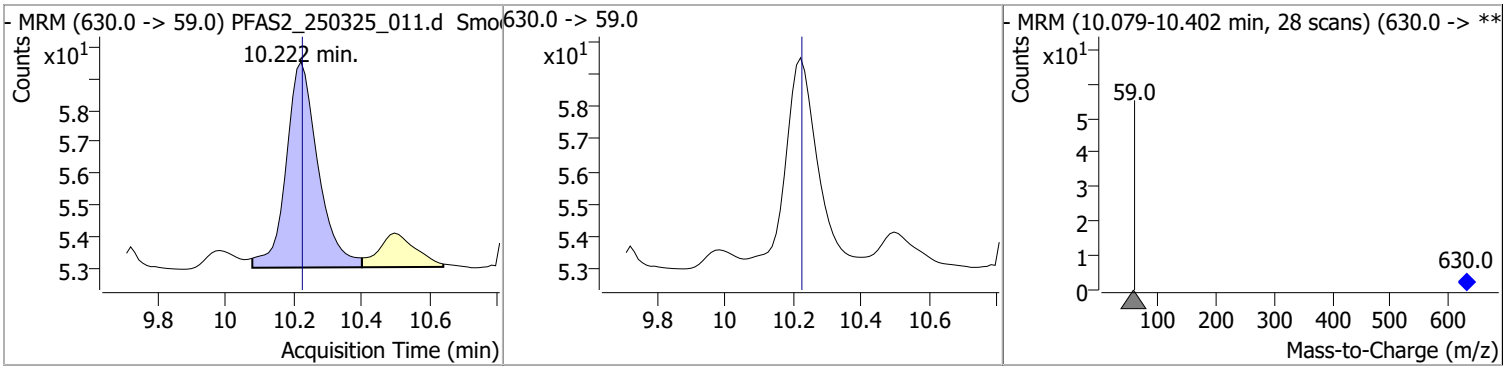
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0011	10.00	0.01	3	512.0 -> 169.0	143.2	81.4	151.2



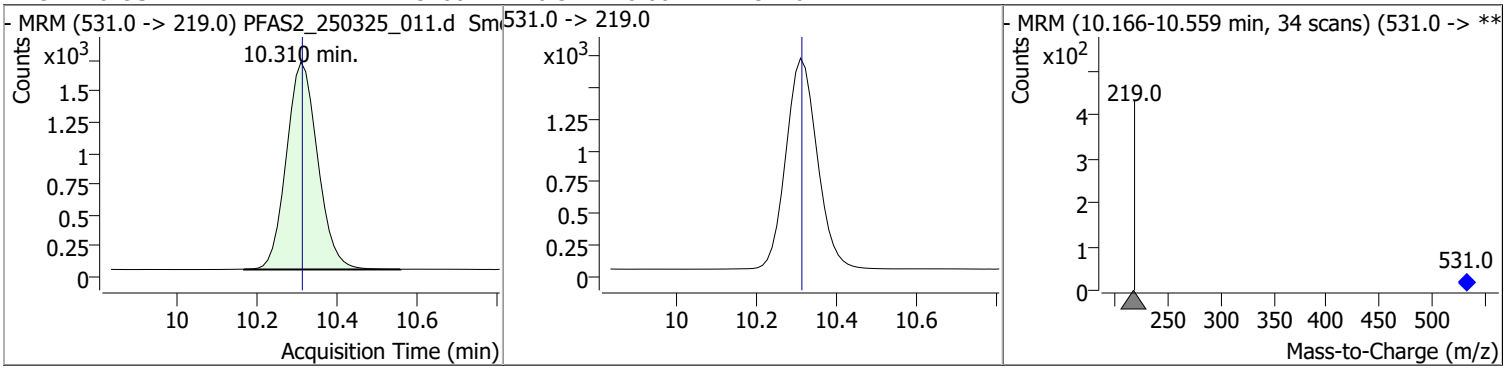
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1050	10.20	0.00	45882				



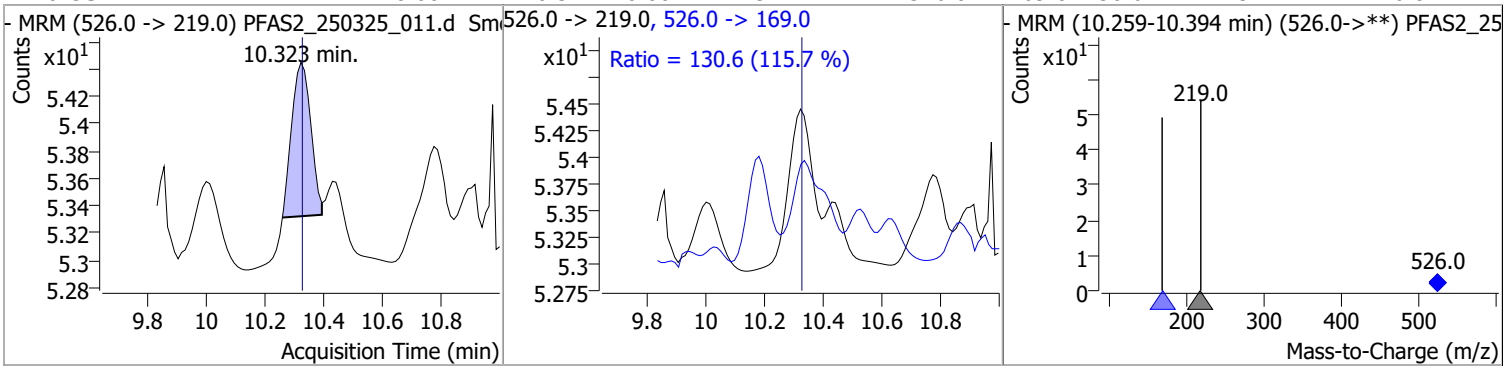
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0353	10.22	0.00	43				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5100	10.31	0.00	9216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0014	10.32	0.00	5	526.0 -> 169.0	130.6	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BS1	File ID:	PFAS2_250325_012.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:04
		Preparation:	1633 Water	Dilution:	1

Batch: B25C1367 Sequence: S25C0909 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	21.4	0.48	3.20	6.40	
2706-90-3	PFPeA	10.6	0.14	1.60	3.20	
307-24-4	PFHxA	5.47	0.13	0.80	1.60	
375-85-9	PFHpA	5.04	0.16	0.80	1.60	
335-67-1	PFOA	5.40	0.12	0.80	1.60	
375-95-1	PFNA	4.98	0.09	0.80	1.60	
335-76-2	PFDA	5.12	0.13	0.80	1.60	
2058-94-8	PFUnA	5.61	0.19	0.80	1.60	
307-55-1	PFDoA	5.44	0.11	0.80	1.60	
72629-94-8	PFTrDA	5.90	0.07	0.80	1.60	
376-06-7	PFTeDA	5.95	0.12	0.80	1.60	
375-73-5	PFBS	5.03	0.19	0.71	1.42	
2706-91-4	PFPeS	5.12	0.21	0.76	1.51	
355-46-4	PFHxS	5.43	0.23	0.73	1.46	
375-92-8	PFHpS	5.35	0.41	0.76	1.52	
1763-23-1	PFOS	6.13	0.22	0.93	1.86	
68259-12-1	PFNS	5.57	0.20	0.77	1.54	
335-77-3	PFDS	6.06	0.14	0.77	1.54	
79780-39-5	PFDoS	4.99	0.08	0.78	1.55	
757124-72-4	4:2FTS	19.2	0.41	3.00	6.00	
27619-97-2	6:2FTS	19.8	2.77	3.04	6.08	
39108-34-4	8:2FTS	19.7	0.61	3.07	6.14	
754-91-6	PFOSA	5.22	0.10	0.80	1.60	
31506-32-8	NMeFOSA	5.08	0.26	0.80	1.60	
4151-50-2	NEtFOSA	5.03	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	5.48	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BS1	File ID:	PFAS2_250325_012.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:04
		Preparation:	1633 Water	Dilution:	1

Batch: B25C1367 Sequence: S25C0909 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	4.88	0.29	0.80	1.60	
24448-09-7	NMeFOSE	62.1	1.01	8.00	16.0	
1691-99-2	NEtFOSE	53.4	1.26	8.00	16.0	
13252-13-6	HFPO-DA	10.9	0.41	1.60	3.20	
919005-14-4	ADONA	9.43	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	10.3	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	11.6	0.31	1.51	3.02	
356-02-5	3:3FTCA	13.7	0.66	3.20	6.40	
914637-49-3	5:3FTCA	87.7	3.66	16.0	32.0	
812-70-4	7:3FTCA	92.9	3.06	16.0	32.0	
113507-82-7	PFEESA	10.5	0.17	1.42	2.85	
377-73-1	PFMPA	8.63	0.11	1.60	3.20	
863090-89-5	PFMBA	10.1	0.12	1.60	3.20	
151772-58-6	NFDHA	12.2	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_012.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:04:26 PM
Sample Name	B25C1367-BS1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

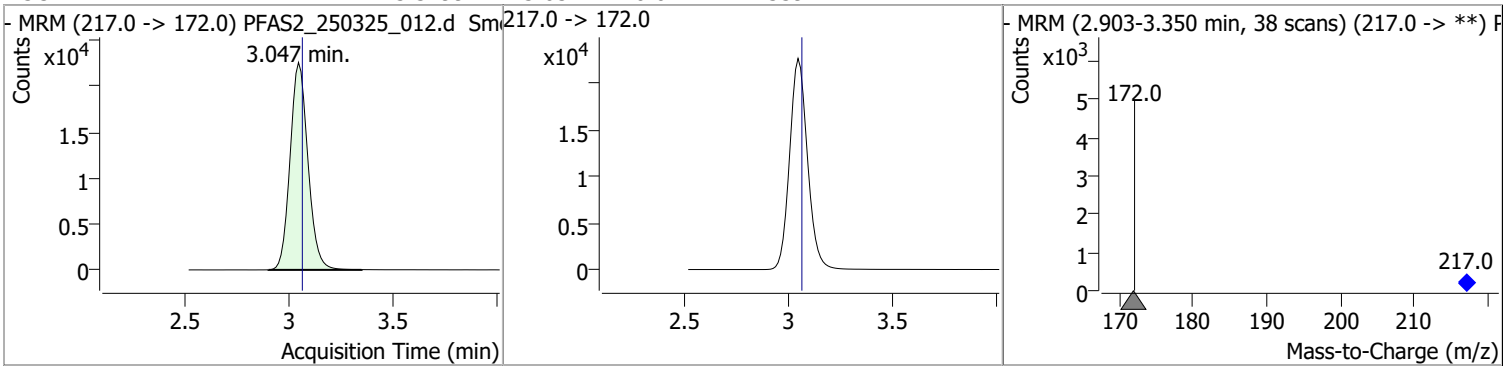
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	109588	5.0000	µg/L		-19.917
13C2-PFHxA	4.890	315.0 -> 270.0	125249	2.5000	µg/L		-18.364
18O2-PFHxS	5.943	403.0 -> 84.0	25719	2.5000	µg/L		-13.199
13C4-PFOA	5.823	417.0 -> 172.0	12715	2.5000	µg/L		-17.690
13C5-PFNA	6.214	468.0 -> 423.0	62129	1.2500	µg/L		-12.706
13C2-PFDA	6.592	515.0 -> 470.0	56137	1.2500	µg/L		-16.059
13C4-PFOS	6.759	503.0 -> 80.0	21722	2.5000	µg/L		-12.795
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	133977	10.0000	µg/L		-56.897
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 53.80%			
13C5-PFPeA	4.222	268.0 -> 223.0	168245	5.0000	µg/L		-18.690
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.61%			
13C5-PFPeA	4.222	268.0 -> 223.0	168245	5.0000	µg/L		-18.690
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.61%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25176	5.0000	µg/L		-0.349
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.27%			
13C5-PFHxA	4.889	318.0 -> 273.0	131891	2.5000	µg/L		-21.886
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.67%			
13C5-PFHxA	4.889	318.0 -> 273.0	131891	2.5000	µg/L		-21.886
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.67%			
13C3-PFBS	4.929	302.0 -> 80.0	48903	2.5000	µg/L		-19.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.88%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	148030	10.0000	µg/L		-15.300
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 103.75%			
13C4-PFHpA	5.385	367.0 -> 322.0	157627	2.5000	µg/L		-16.549
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
13C3-PFHxS	5.944	402.0 -> 80.0	28948	2.5000	µg/L		-17.169
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.45%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14072	5.0000	µg/L	#	-4.715
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 109.89%			
13C8-PFOA	5.823	421.0 -> 376.0	141962	2.5000	µg/L		-17.818
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.86%			
13C3-PFHxS	5.944	402.0 -> 80.0	28948	2.5000	µg/L		-17.169
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.45%			
13C9-PFNA	6.213	472.0 -> 427.0	62071	1.2500	µg/L		-11.911
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.87%			
13C8-PFOS	6.759	507.0 -> 80.0	20933	2.5000	µg/L		-17.208
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.98%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	10368	5.0000	µg/L	#	-12.471
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 100.71%			
13C6-PFDA	6.591	519.0 -> 474.0	58919	1.2500	µg/L		-13.304
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.18%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	47757	5.0000	µg/L		-14.443
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%			
13C8-PFOS	6.759	507.0 -> 80.0	20933	2.5000	µg/L		-17.208

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.98%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	36378	5.0000	µg/L		-13.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.88%			
13C7-PFUnDA	6.966	570.0 -> 525.0	47993	1.2500	µg/L		-10.465
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.65%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	35026	1.2500	µg/L		-20.603
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.43%			
13C2-PFDoDA	7.344	615.0 -> 570.0	38359	1.2500	µg/L		-3.970
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 114.41%			
13C2-PFTDA	8.068	715.0 -> 670.0	31693	1.2500	µg/L		-34.364
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 77.95%			
13C8-PFOSA	8.792	506.0 -> 78.0	33766	2.5000	µg/L		-8.644
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.55%			
13C8-PFOSA	8.792	506.0 -> 78.0	33766	2.5000	µg/L		-8.644
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.55%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57369	25.0000	µg/L		-54.340
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 52.40%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8339	2.5000	µg/L		-19.579
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.00%			
2H9-EtFOSE	10.197	639.1 -> 59.0	49222	25.0000	µg/L		-22.496
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.84%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9380	2.5000	µg/L		-16.553
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.70%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	24176	2.1363	µg/L		100
PFMPA	3.602	229.0 -> 85.0	13134	0.8631	µg/L		100
3-3 FTCA	3.778	241.0 -> 177.0	796	1.3733	µg/L		88
PFPeA	4.223	263.0 -> 219.0	32167	1.0563	µg/L		100
PFMBA	4.453	279.0 -> 85.0	23004	1.0061	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	29369	1.9194	µg/L		92
NFDHA	4.823	295.0 -> 201.0	1181	1.2174	µg/L		95
PFHxA	4.892	313.0 -> 269.0	25799	0.5467	µg/L		99
PFBS	4.930	298.9 -> 80.0	10208	0.5031	µg/L		92
HFPO-DA	5.087	285.0 -> 169.0	14253	1.0852	µg/L		91
PFEESA	5.201	314.9 -> 135.0	67655	1.0546	µg/L		97
PFHpA	5.386	363.0 -> 319.0	29434	0.5036	µg/L		98
5-3 FTCA	5.470	341.0 -> 237.0	31388	8.7674	µg/L		87
PFPeS	5.494	348.9 -> 80.0	8009	0.5124	µg/L		94
DONA	5.539	377.0 -> 251.0	76665	0.9428	µg/L		98
6-2 FTSA	5.642	427.0 -> 407.0	18613	1.9787	µg/L		87
PFOA	5.824	413.0 -> 369.0	28356	0.5398	µg/L		97
PFHxS	5.945	398.9 -> 80.0	6114	0.5430	µg/L		98
PFNA	6.214	463.0 -> 419.0	23794	0.4977	µg/L		95
PFHpS	6.358	448.9 -> 80.0	4662	0.5354	µg/L		91
8-2 FTSA	6.412	527.0 -> 507.0	8973	1.9707	µg/L	#	73
PFDA	6.592	513.0 -> 469.0	22227	0.5125	µg/L		93
7-3 FTCA	6.609	441.0 -> 317.0	25051	9.2919	µg/L		92
N-MeFOSAA	6.730	570.0 -> 419.0	4567	0.5482	µg/L		88
PFOS	6.760	498.9 -> 80.0	4912	0.6134	µg/L		98
N-EtFOSAA	6.941	584.0 -> 419.0	3285	0.4883	µg/L		96
PFUnDA	6.967	563.0 -> 519.0	19585	0.5611	µg/L		98
9Cl-PF3ONS	7.029	530.9 -> 350.9	45504	1.0346	µg/L		94
PFNS	7.135	548.9 -> 80.0	3980	0.5574	µg/L		80
PFDoDA	7.344	613.0 -> 569.0	15292	0.5438	µg/L		96

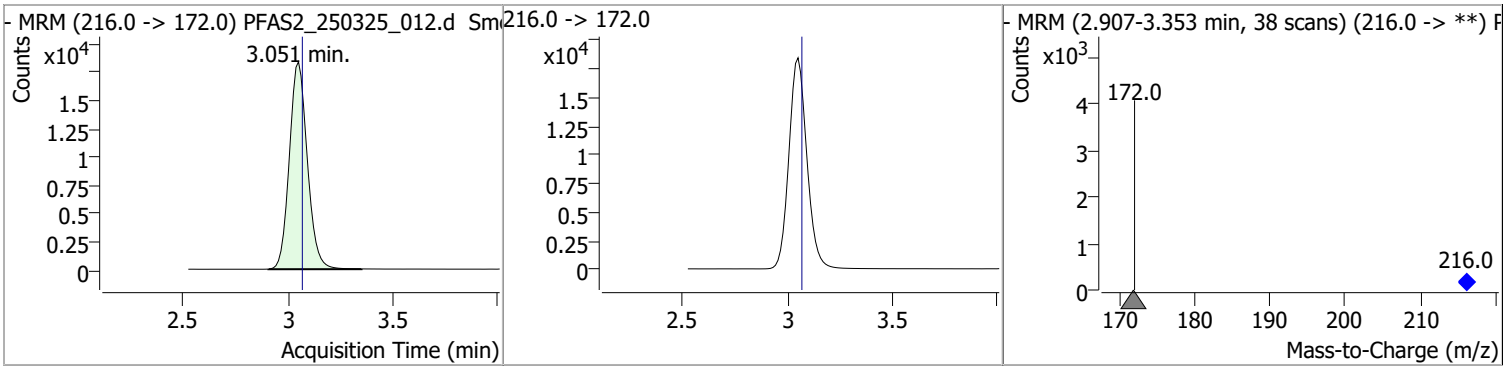
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
PFDS	7.502	598.9 -> 80.0	3234	0.6061	µg/L	94
PFTrDA	7.700	663.0 -> 619.0	15567	0.5898	µg/L	94
11Cl-PF3OUdS	7.775	630.9 -> 450.9	22782	1.1619	µg/L	97
PFTDA	8.069	712.9 -> 669.0	11441	0.5953	µg/L	98
PFDoS	8.216	698.9 -> 80.0	1860	0.4985	µg/L	100
PFOSA	8.783	497.9 -> 78.0	6125	0.5219	µg/L	98
MeFOSE	9.878	616.0 -> 59.0	10807	6.2131	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	1593	0.5080	µg/L	85
EtFOSE	10.222	630.0 -> 59.0	9422	5.3416	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	1819	0.5027	µg/L	92

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

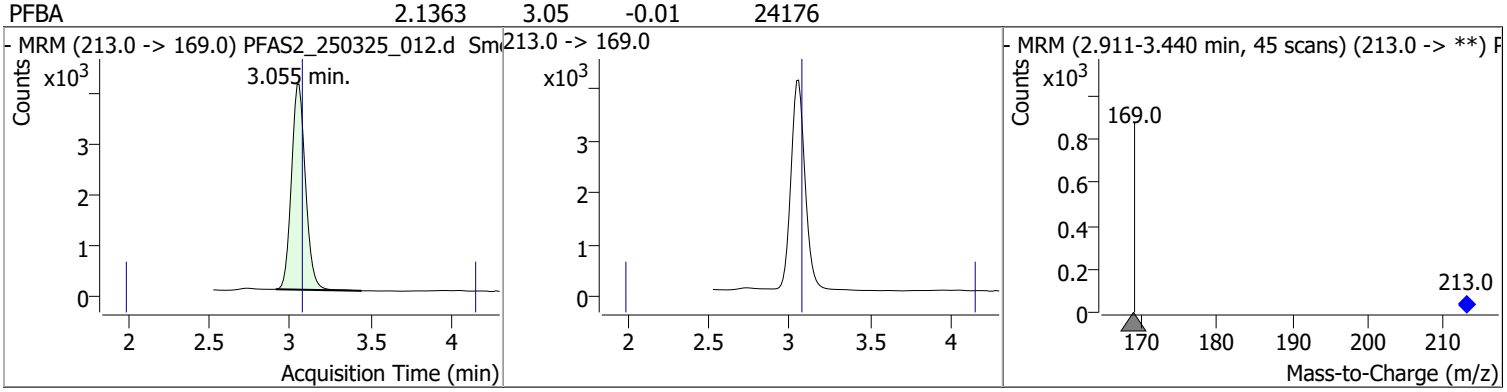
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.3799	3.05	-0.01	133977				



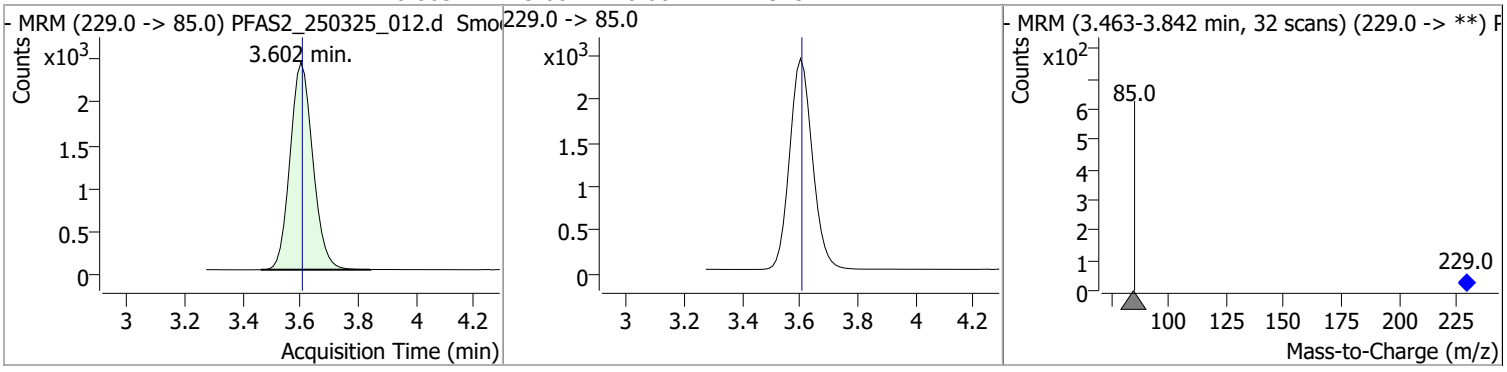
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	109588				



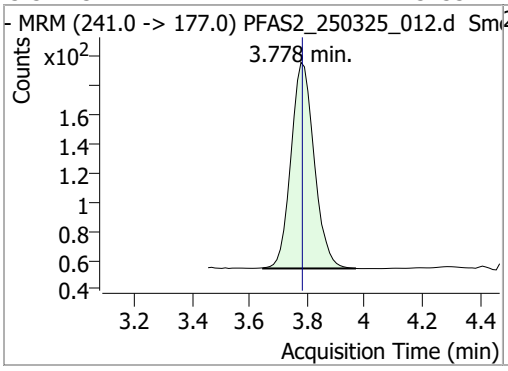
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.1363	3.05	-0.01	24176				

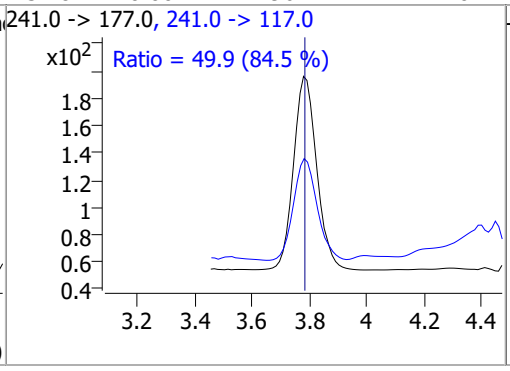


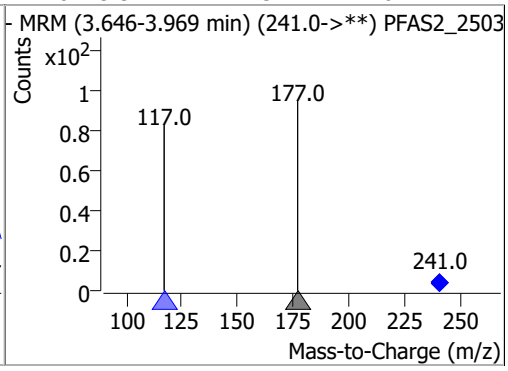
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.8631	3.60	0.00	13134				



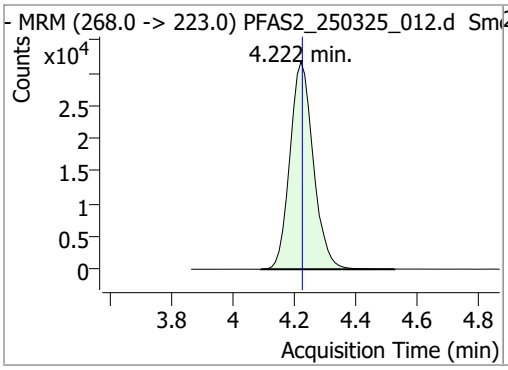
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	1.3733	3.78	0.00	796	241.0 -> 117.0	49.9	41.3	76.7

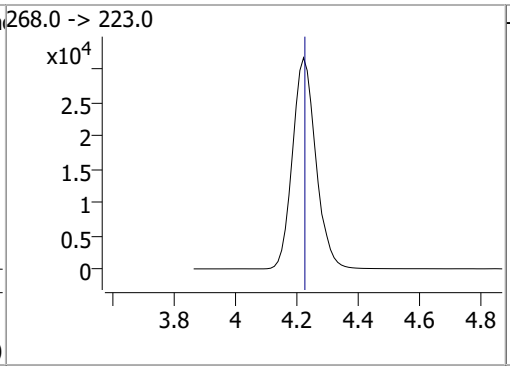


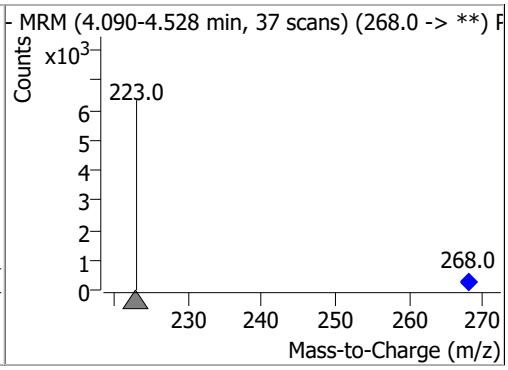




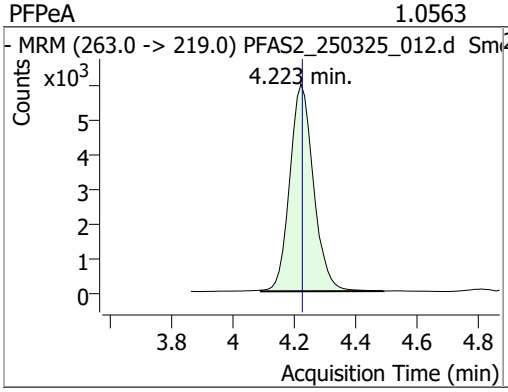
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9803	4.22	0.00	168245				

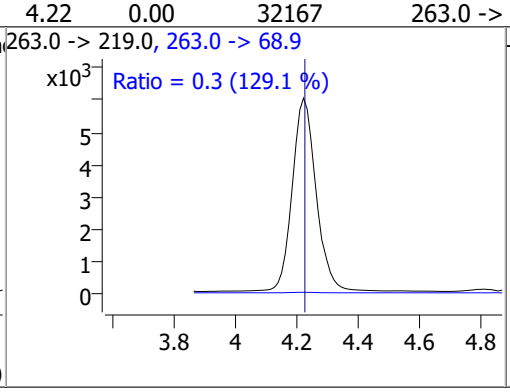


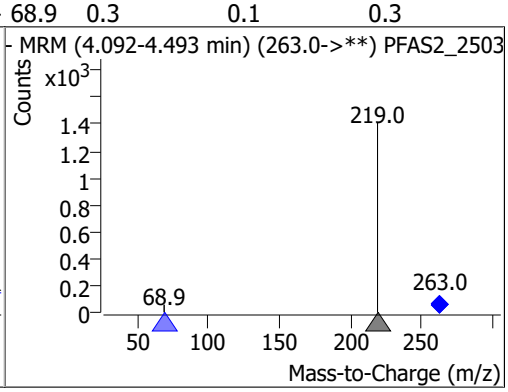




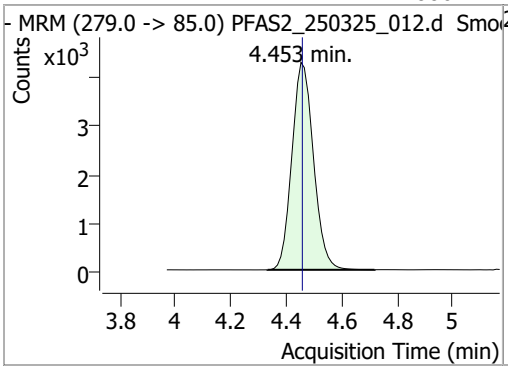
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.0563	4.22	0.00	32167	263.0 -> 68.9	0.3	0.1	0.3

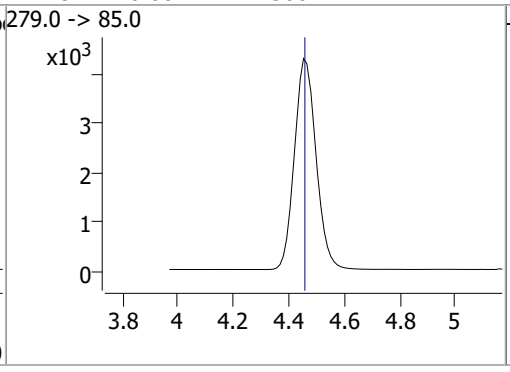


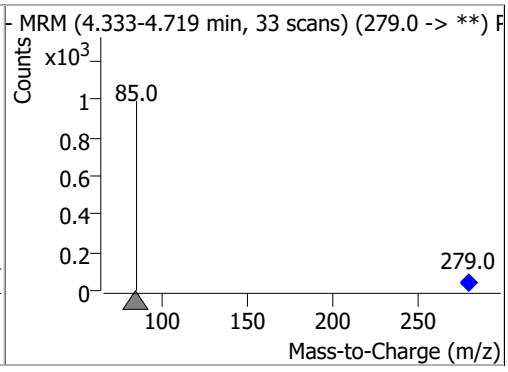




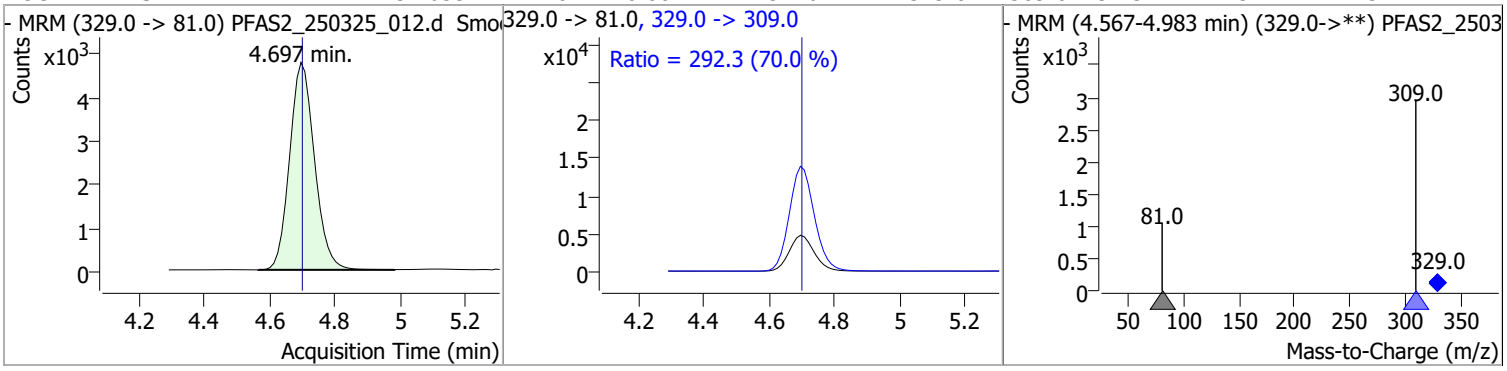
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.0061	4.45	0.00	23004				



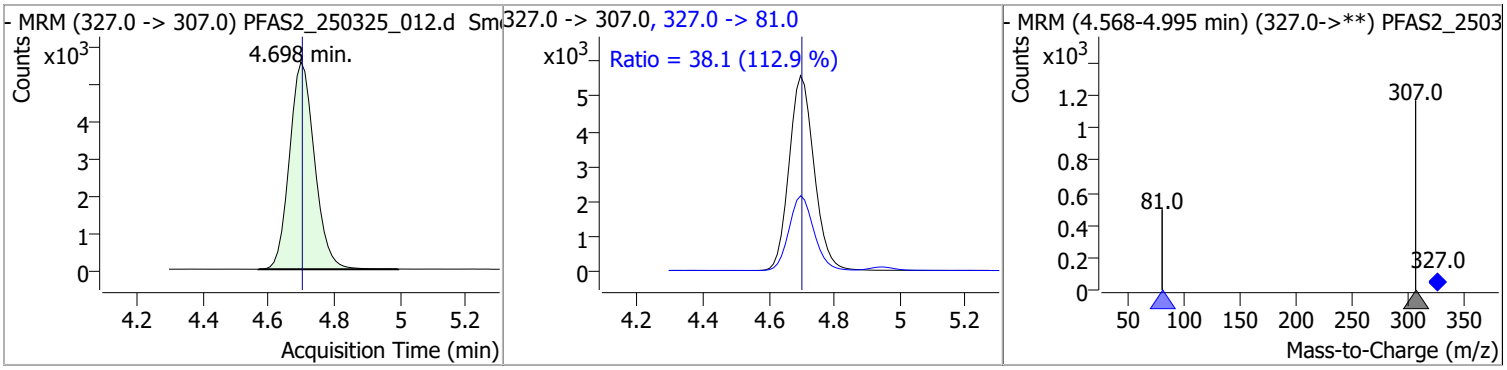




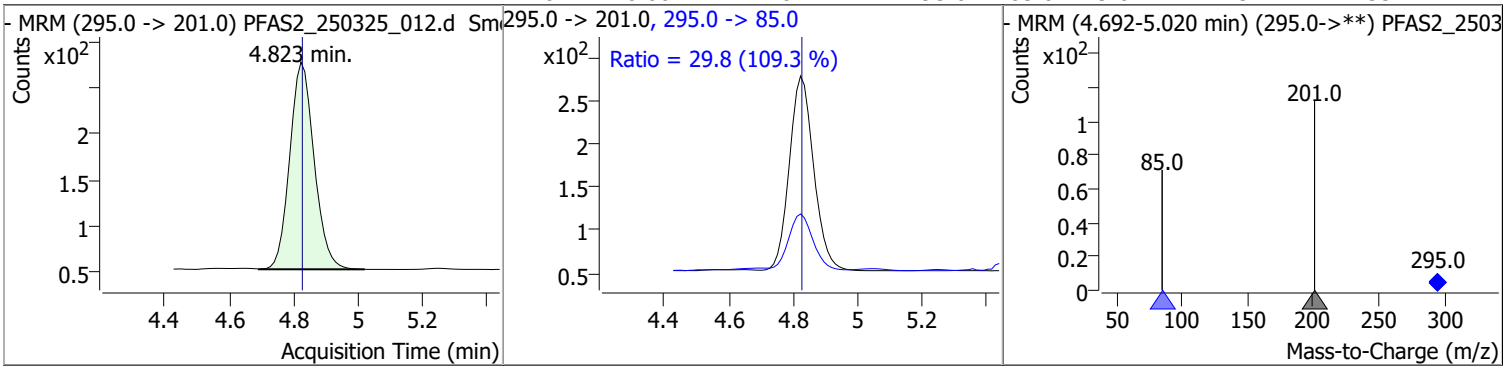
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7635	4.70	0.00	25176	329.0 -> 309.0	292.3	292.1	542.4



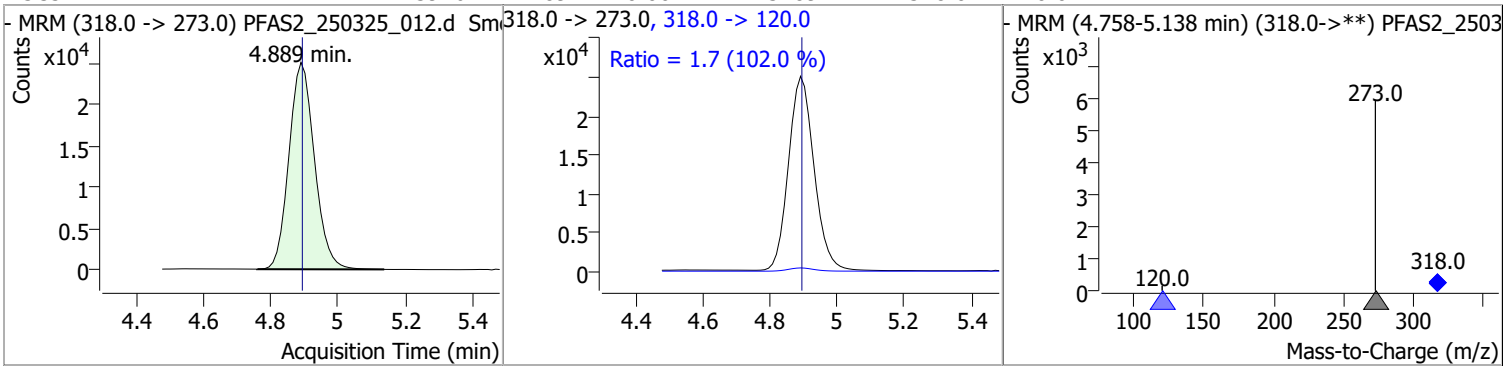
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	1.9194	4.70	0.00	29369	327.0 -> 81.0	38.1	23.6	43.9



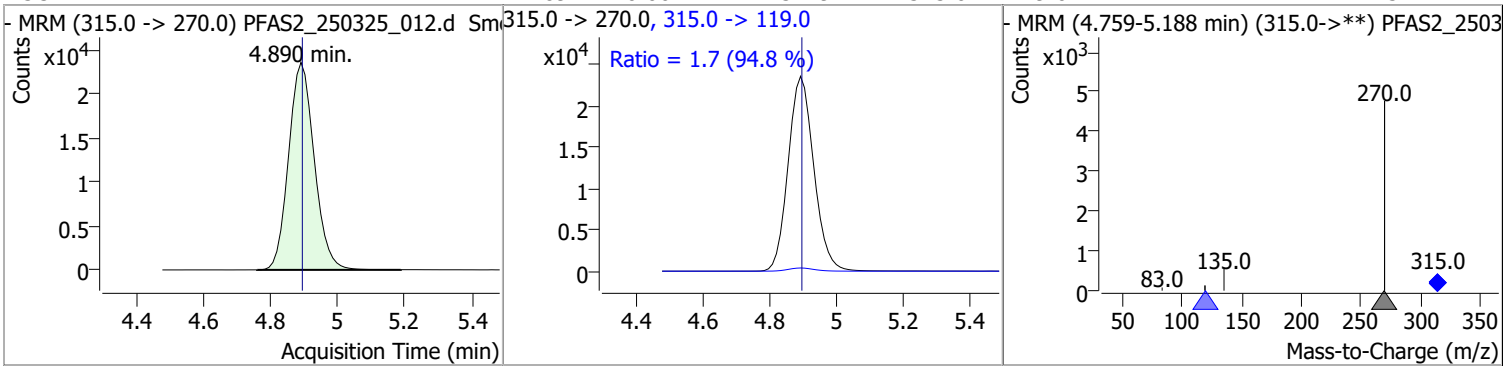
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	1.2174	4.82	0.00	1181	295.0 -> 85.0	29.8	19.1	35.4



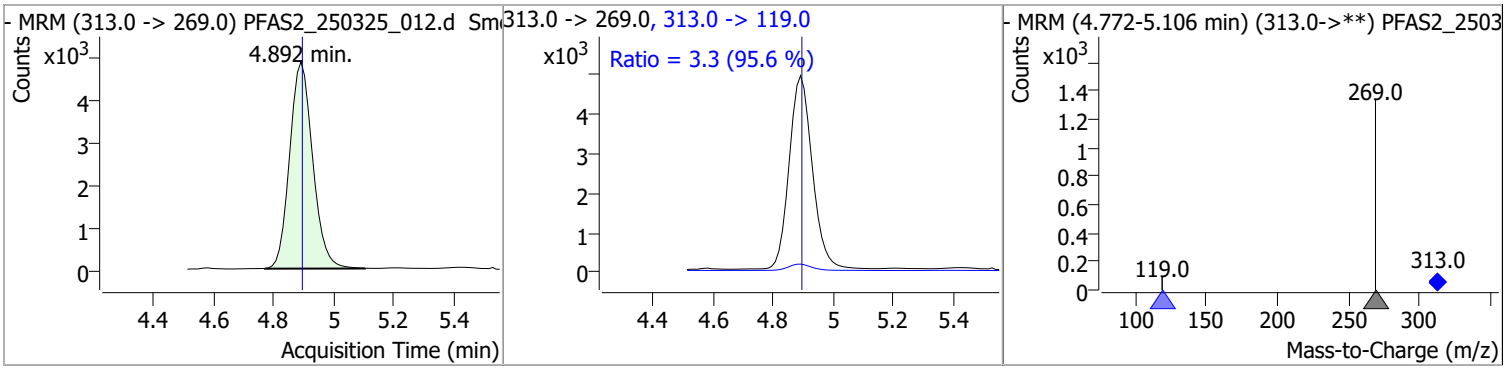
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3916	4.89	0.00	131891	318.0 -> 120.0	1.7	1.1	2.1



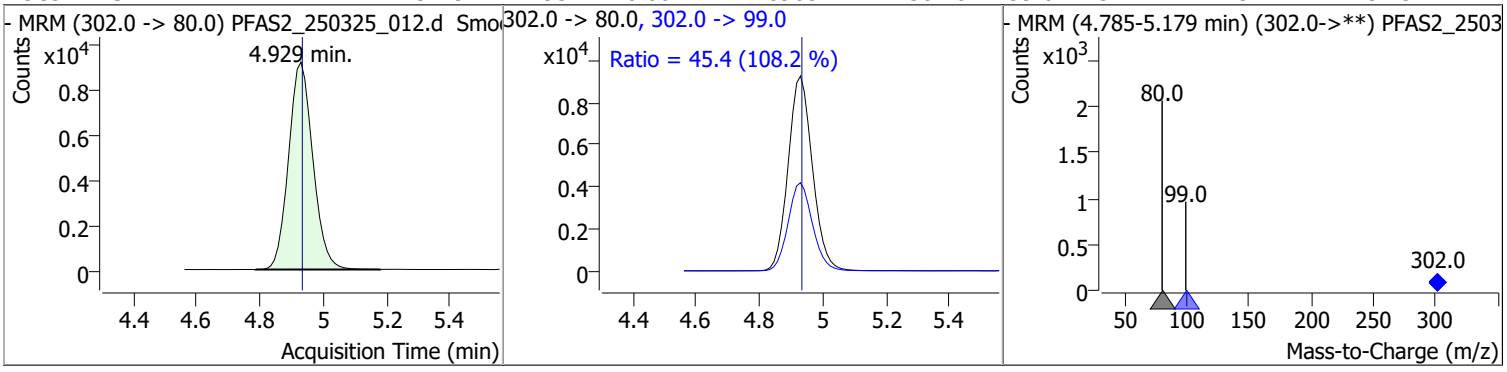
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	125249	315.0 -> 119.0	1.7	1.2	2.3



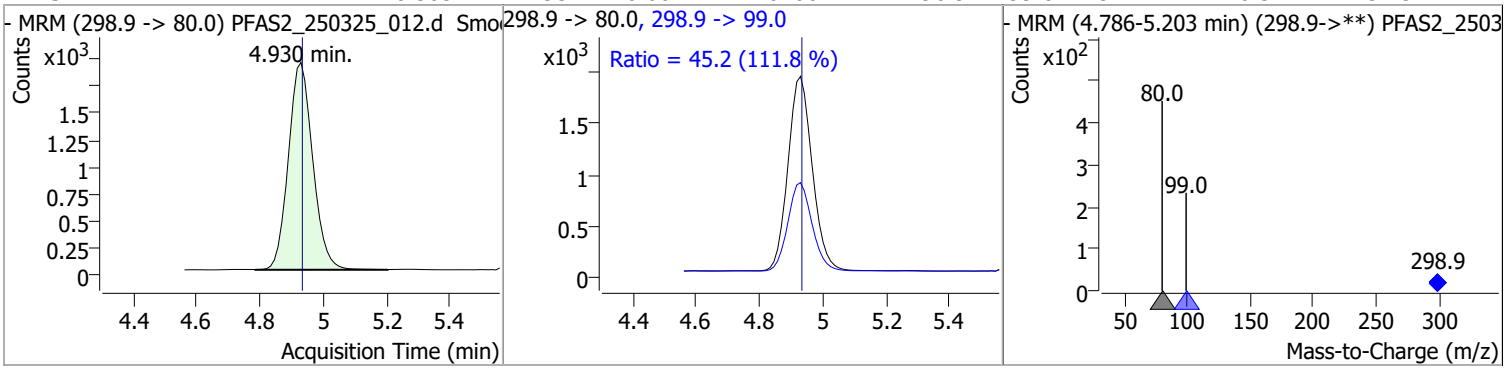
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5467	4.89	0.00	25799	313.0 -> 119.0	3.3	2.4	4.5



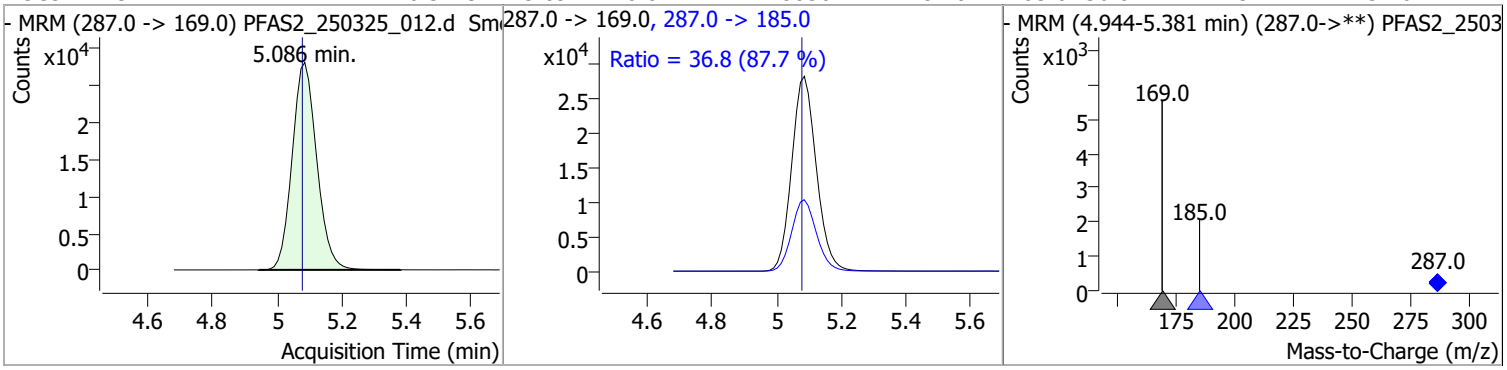
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3219	4.93	0.00	48903	302.0 -> 99.0	45.4	29.4	54.5



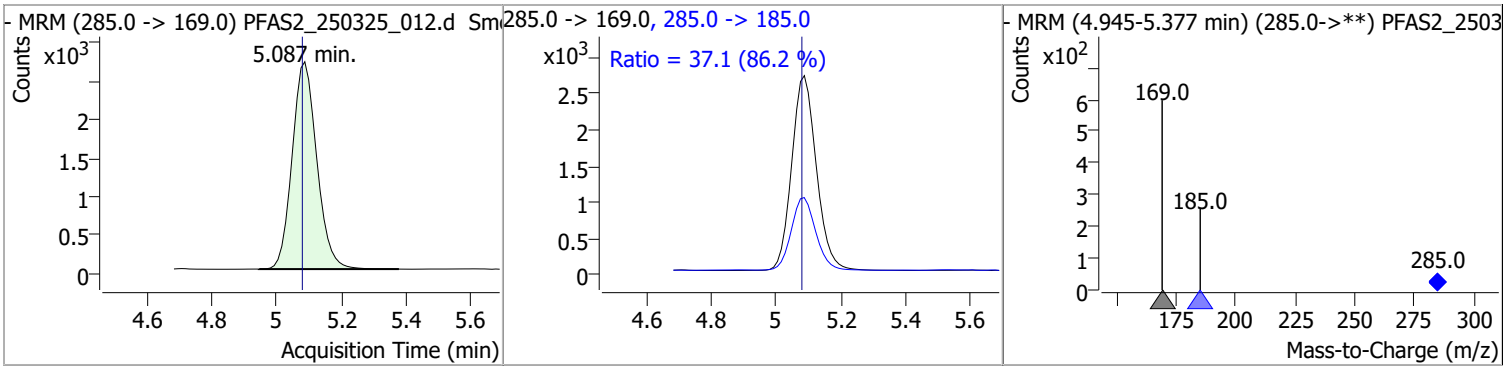
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.5031	4.93	0.00	10208	298.9 -> 99.0	45.2	28.3	52.5



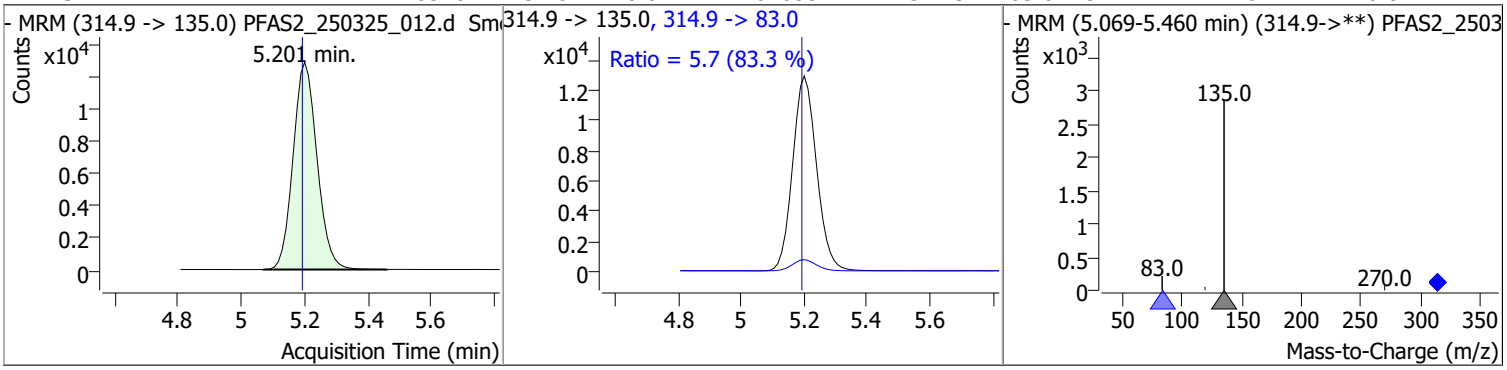
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3749	5.09	0.01	148030	287.0 -> 185.0	36.8	29.4	54.6



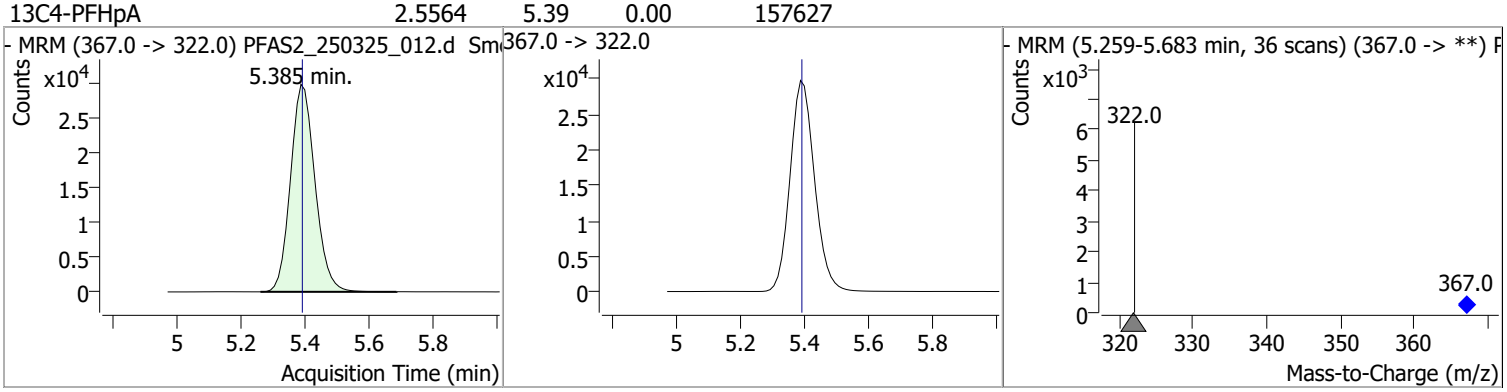
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	1.0852	5.09	0.01	14253	285.0 -> 185.0	37.1	30.1	56.0



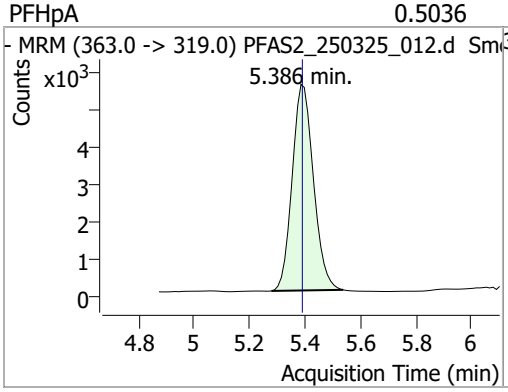
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	1.0546	5.20	0.01	67655	314.9 -> 83.0	5.7	4.8	8.8

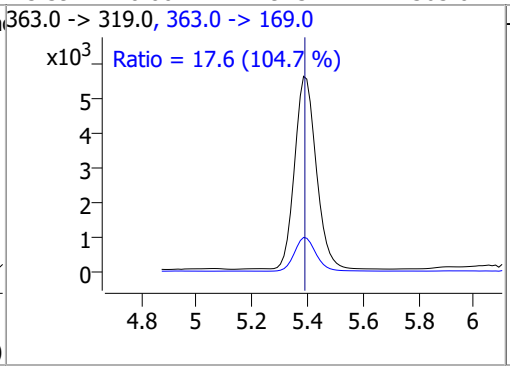


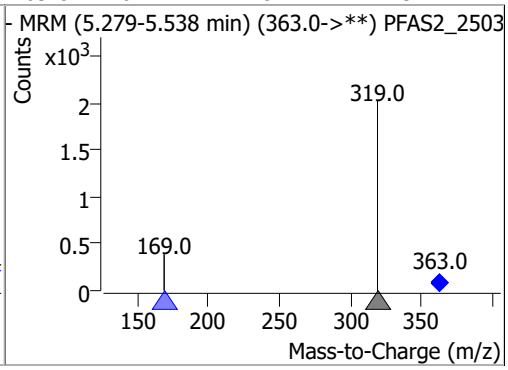
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5564	5.39	0.00	157627				



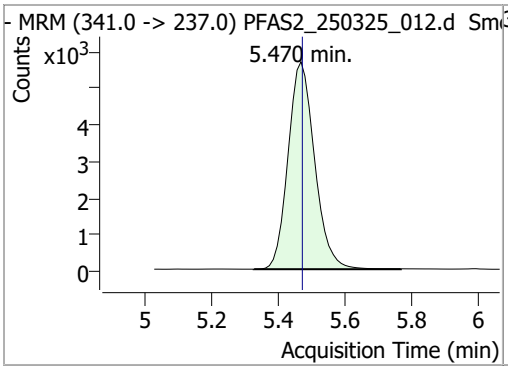
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.5036	5.39	0.00	29434	363.0 -> 169.0	17.6	11.8	21.9

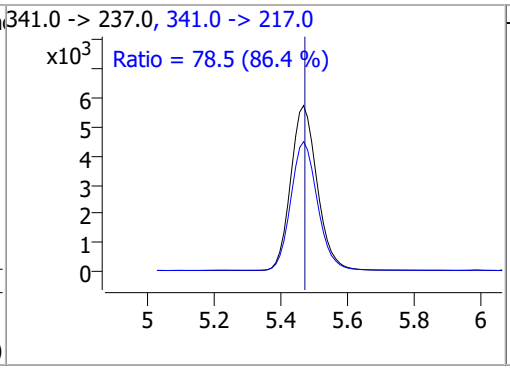


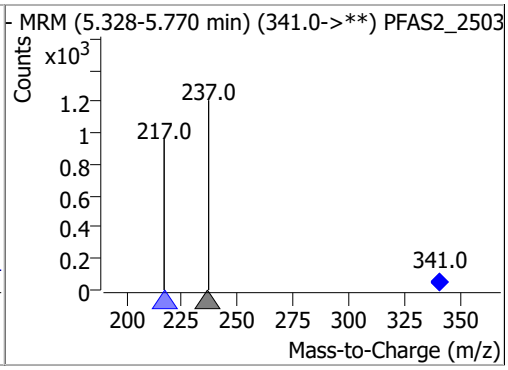




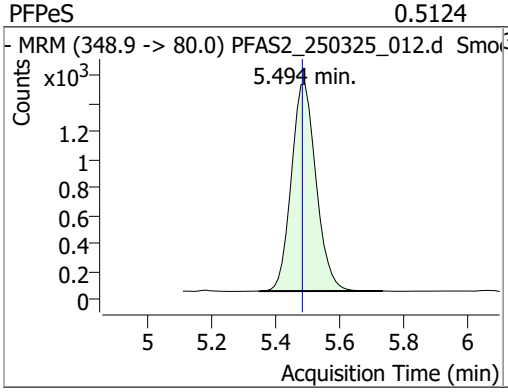
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	8.7674	5.47	0.00	31388	341.0 -> 217.0	78.5	63.6	118.1

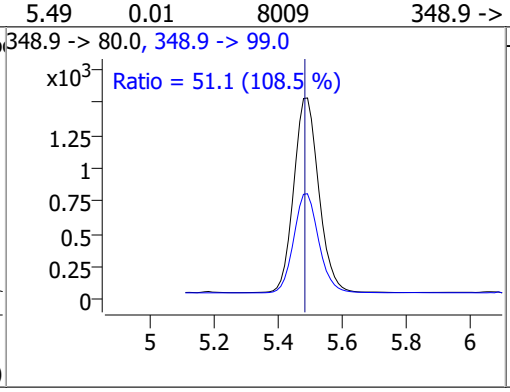


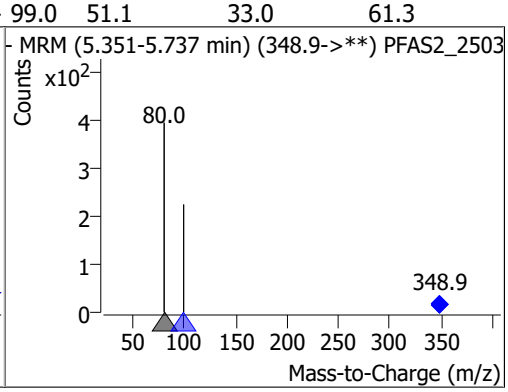




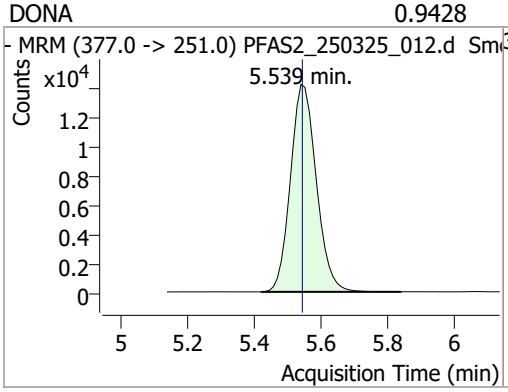
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.5124	5.49	0.01	8009	348.9 -> 99.0	51.1	33.0	61.3

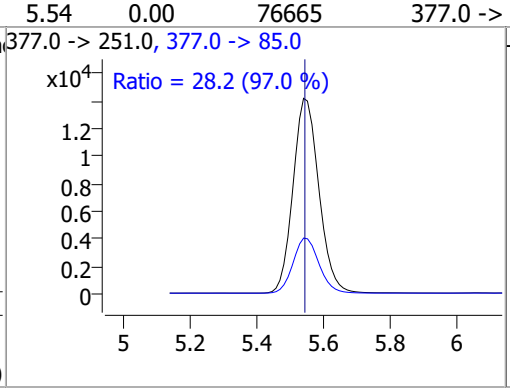


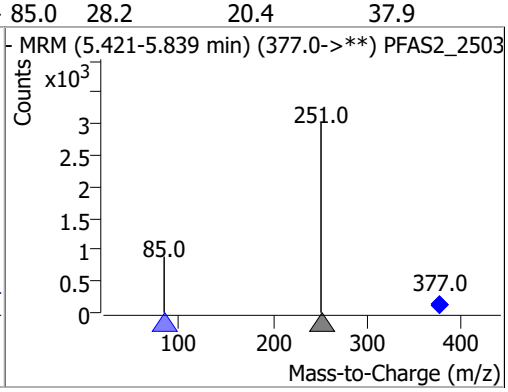




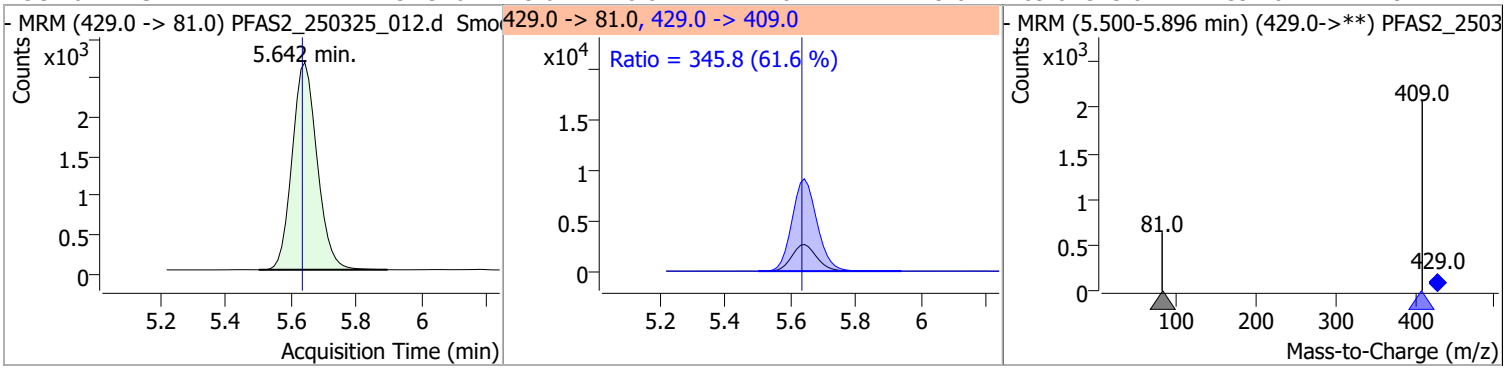
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9428	5.54	0.00	76665	377.0 -> 85.0	28.2	20.4	37.9



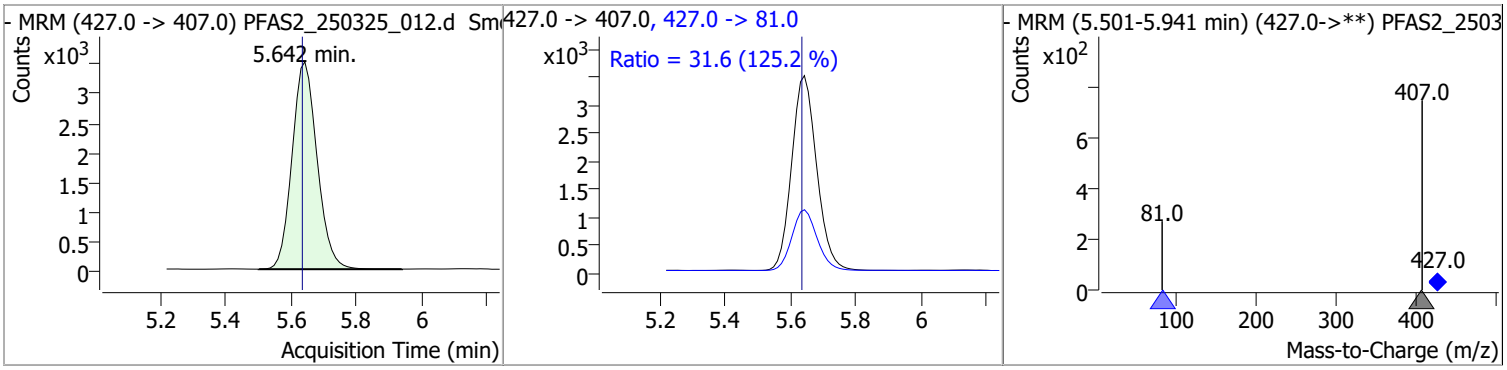




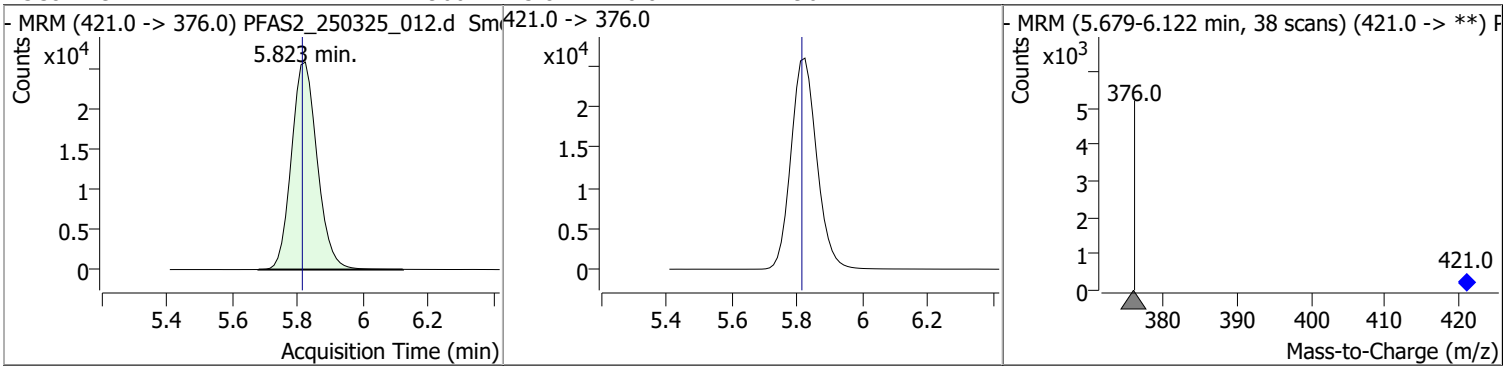
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.4946	5.64	0.01	14072	429.0 -> 409.0	345.8	392.8	729.4



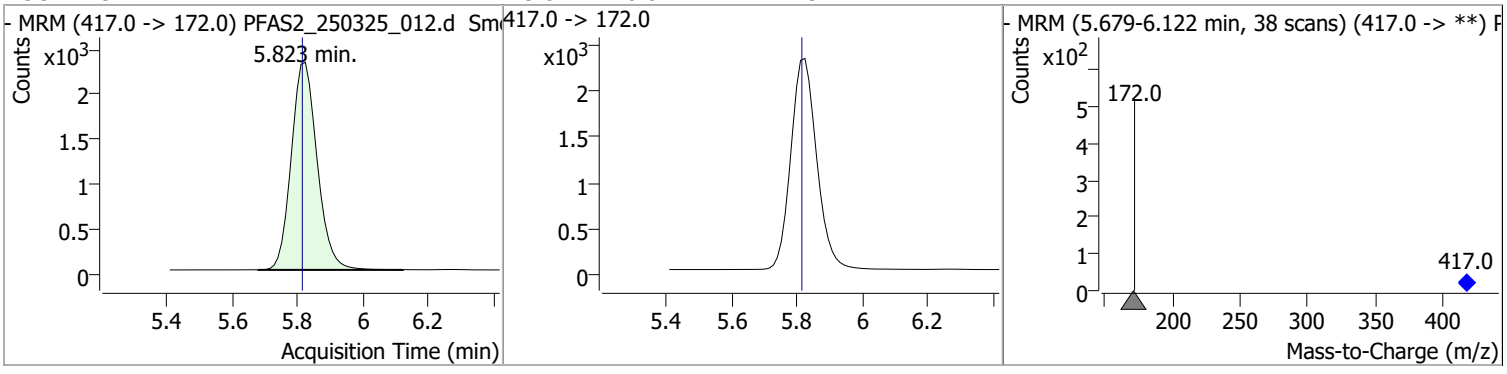
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	1.9787	5.64	0.01	18613	427.0 -> 81.0	31.6	17.7	32.8



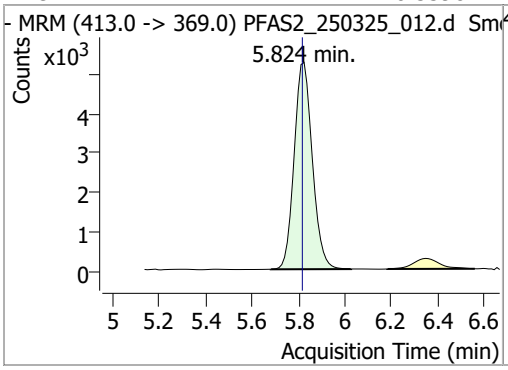
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4966	5.82	0.01	141962				

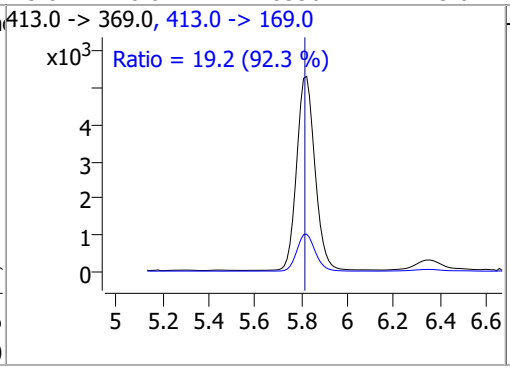


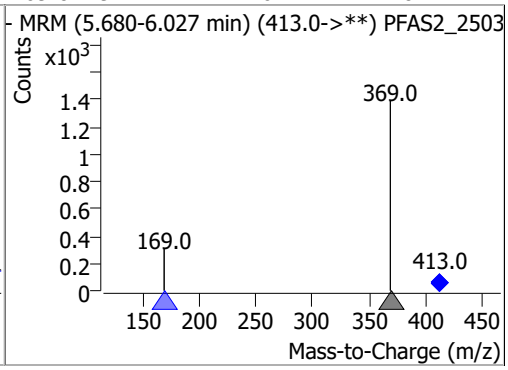
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	12715				



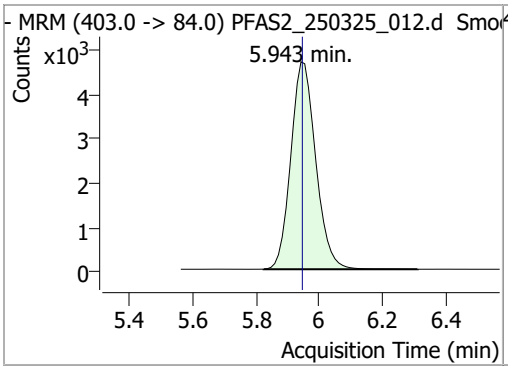
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5398	5.82	0.01	28356	413.0 -> 169.0	19.2	14.6	27.0

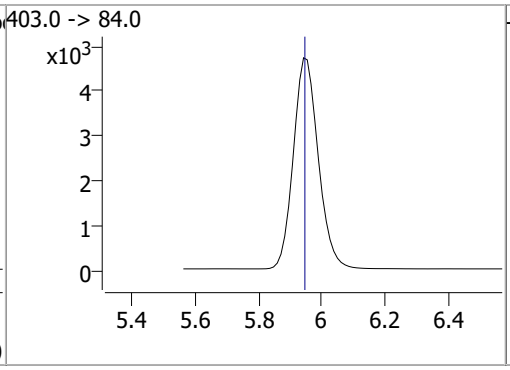


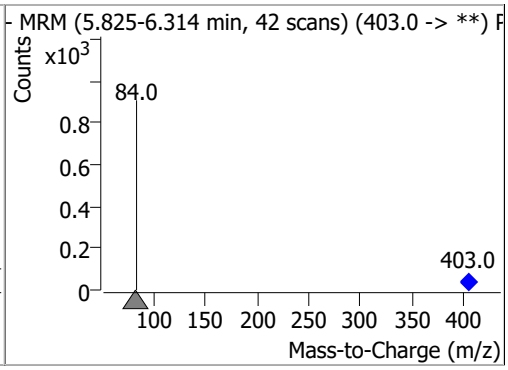




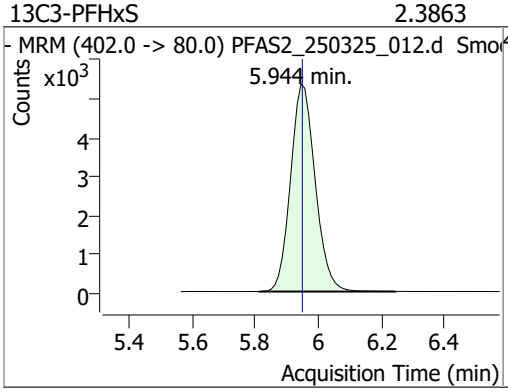
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	25719				

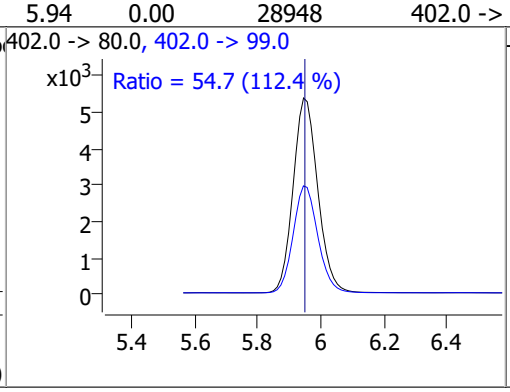


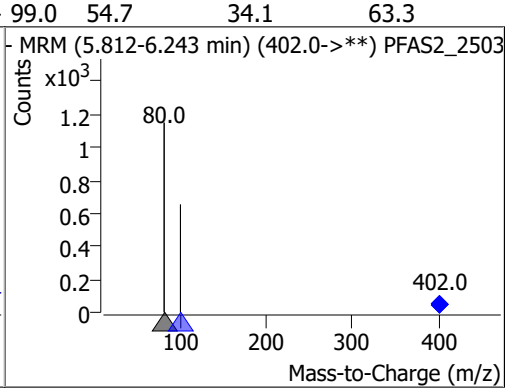




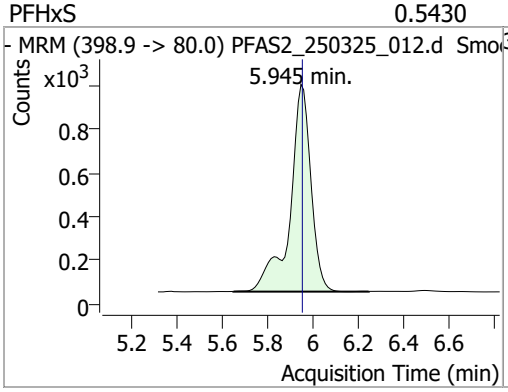
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3863	5.94	0.00	28948	402.0 -> 99.0	54.7	34.1	63.3

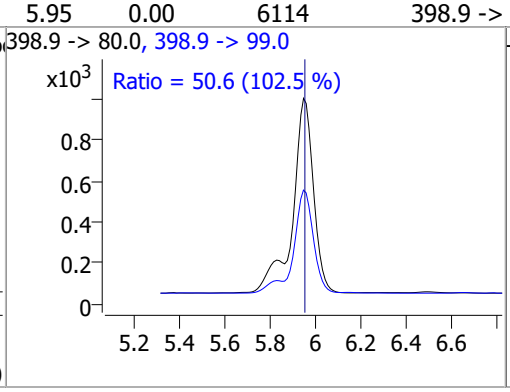


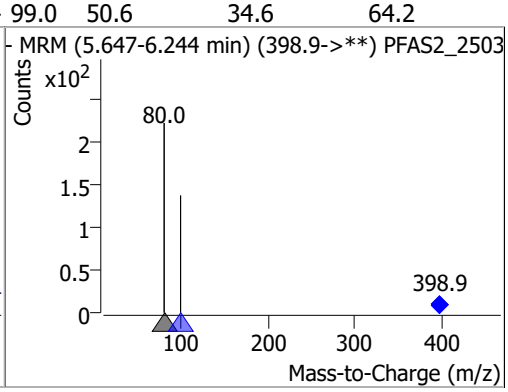




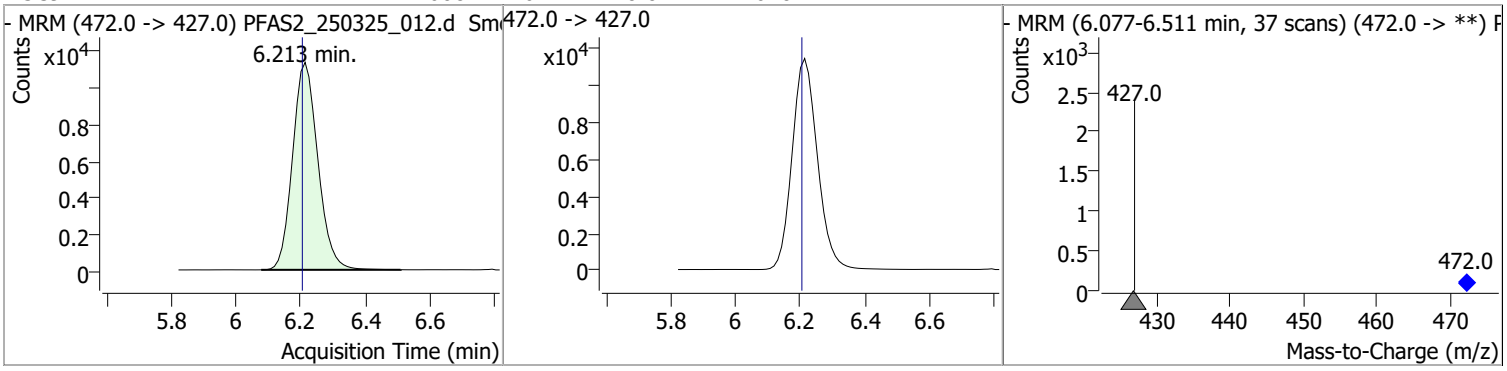
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.5430	5.95	0.00	6114	398.9 -> 99.0	50.6	34.6	64.2



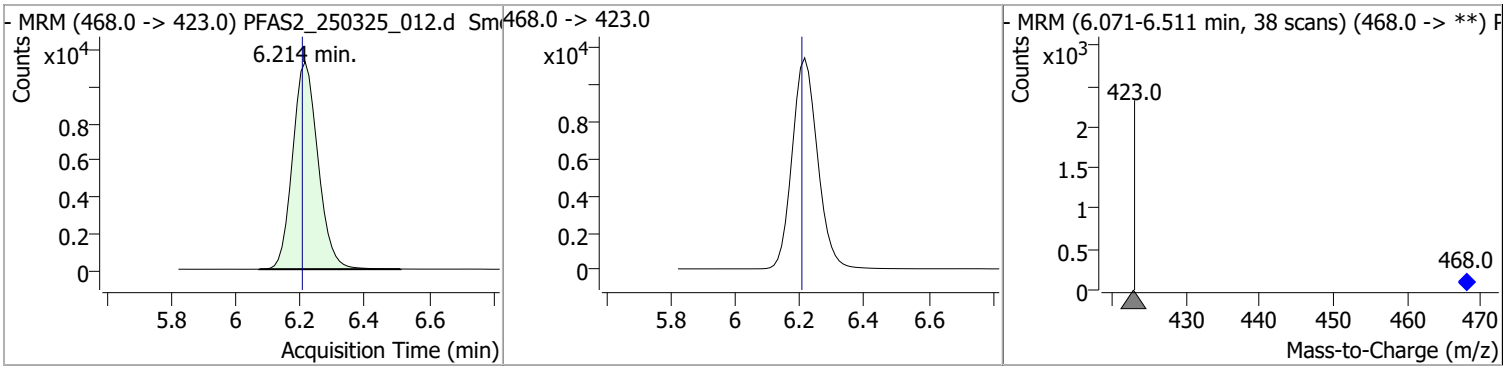




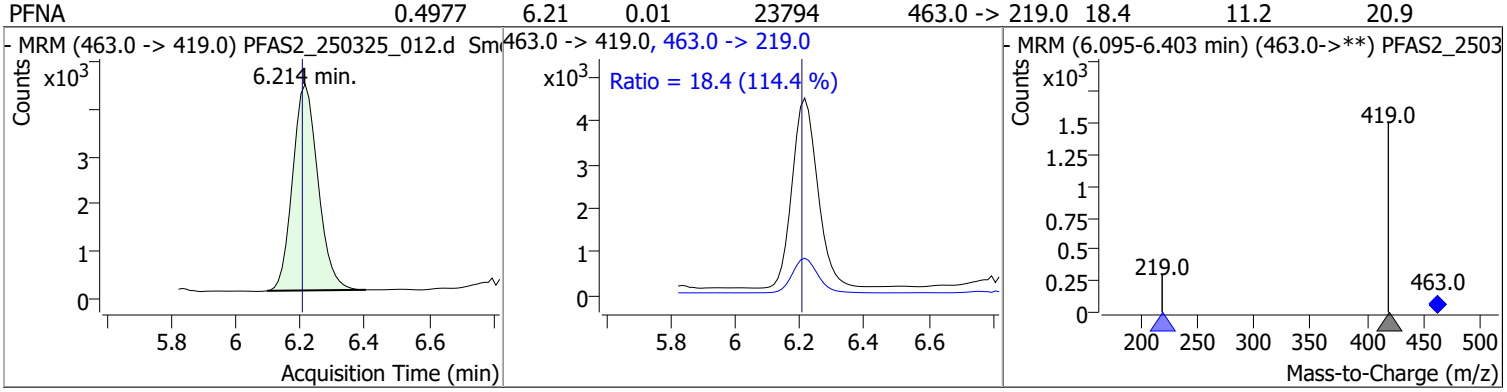
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2608	6.21	0.01	62071				



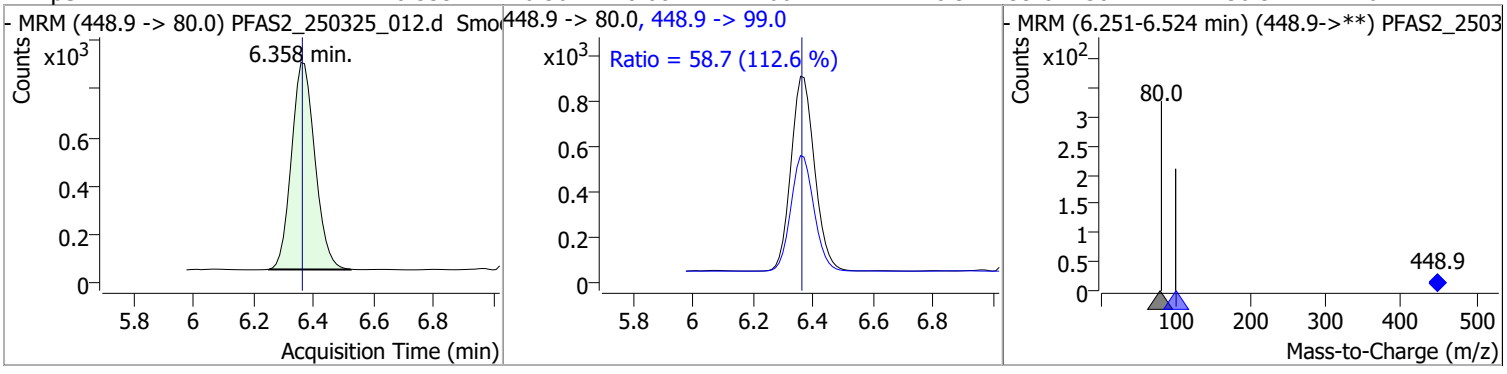
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	62129				



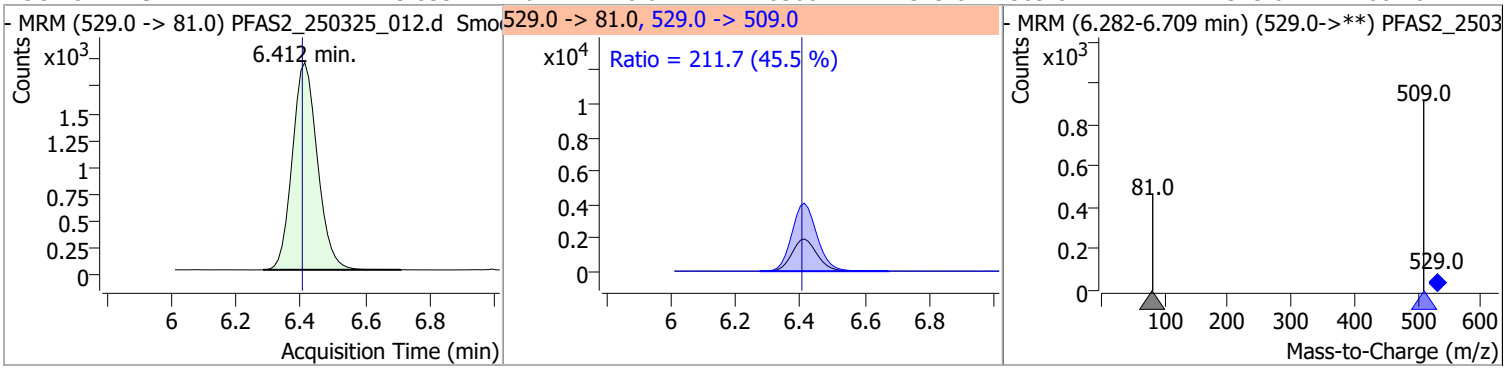
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4977	6.21	0.01	23794	463.0 -> 219.0	18.4	11.2	20.9



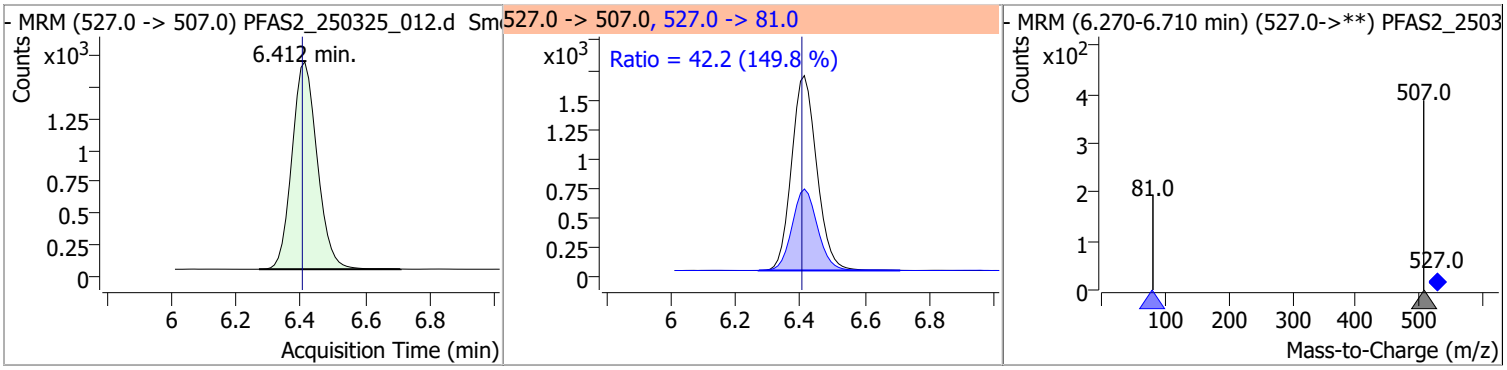
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.5354	6.36	0.00	4662	448.9 -> 99.0	58.7	36.5	67.7



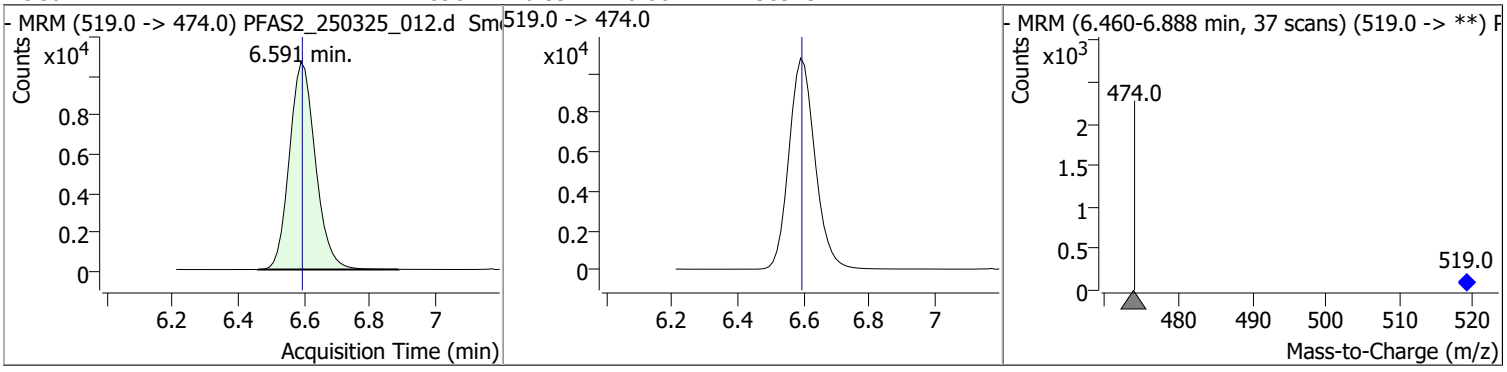
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0354	6.41	0.01	10368	529.0 -> 509.0	211.7	325.6	604.6



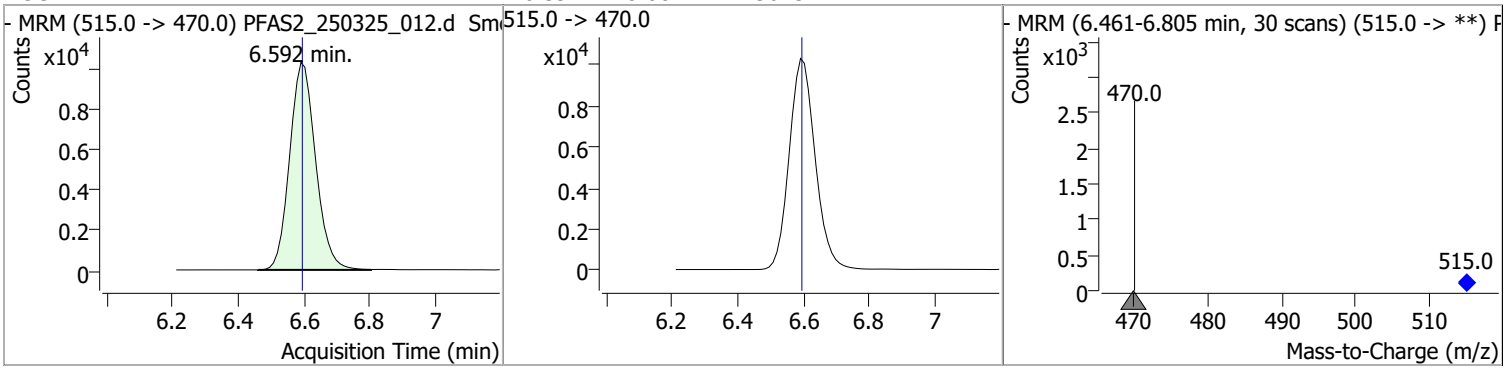
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	1.9707	6.41	0.01	8973	527.0 -> 81.0	42.2	19.7	36.6



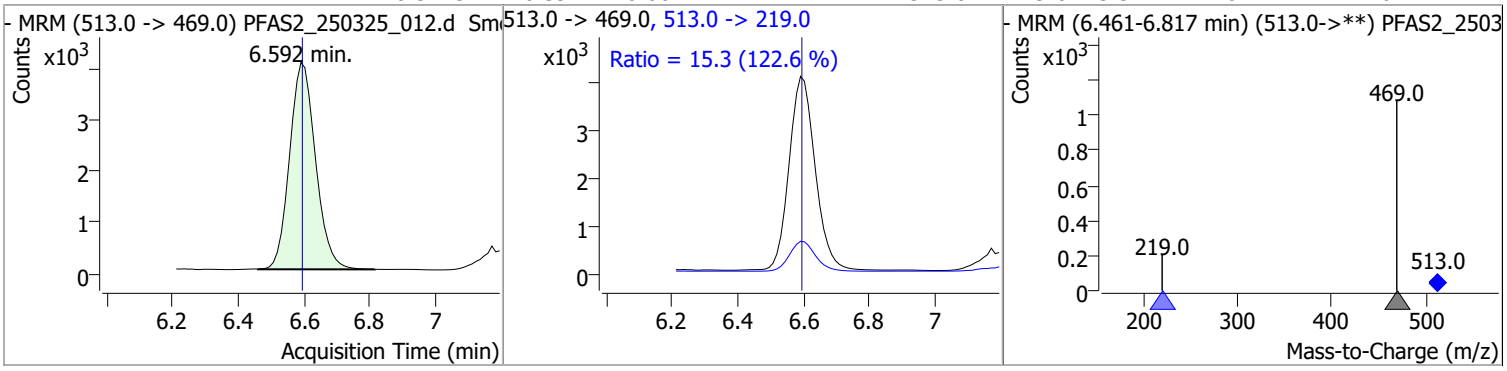
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2898	6.59	0.00	58919				



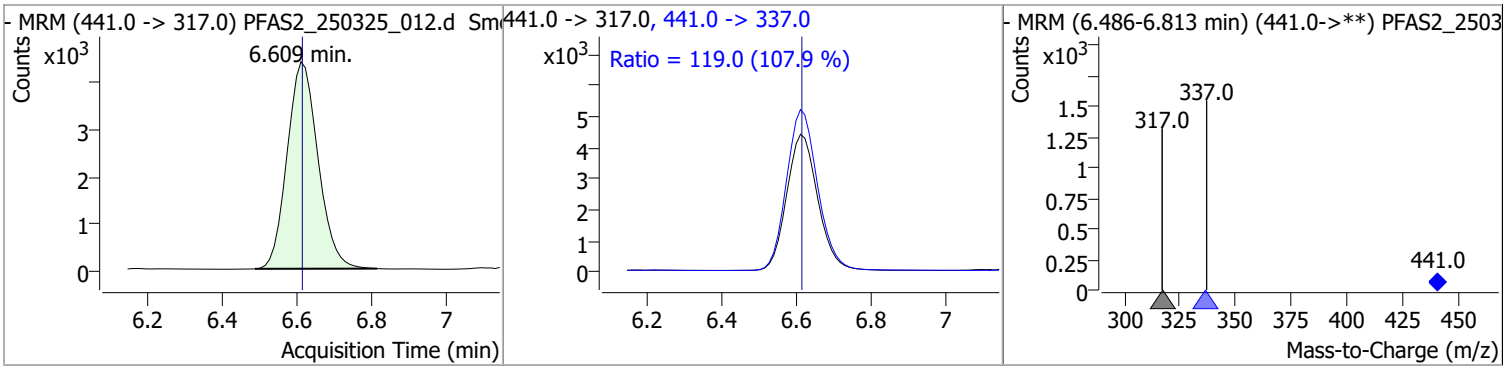
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	56137				



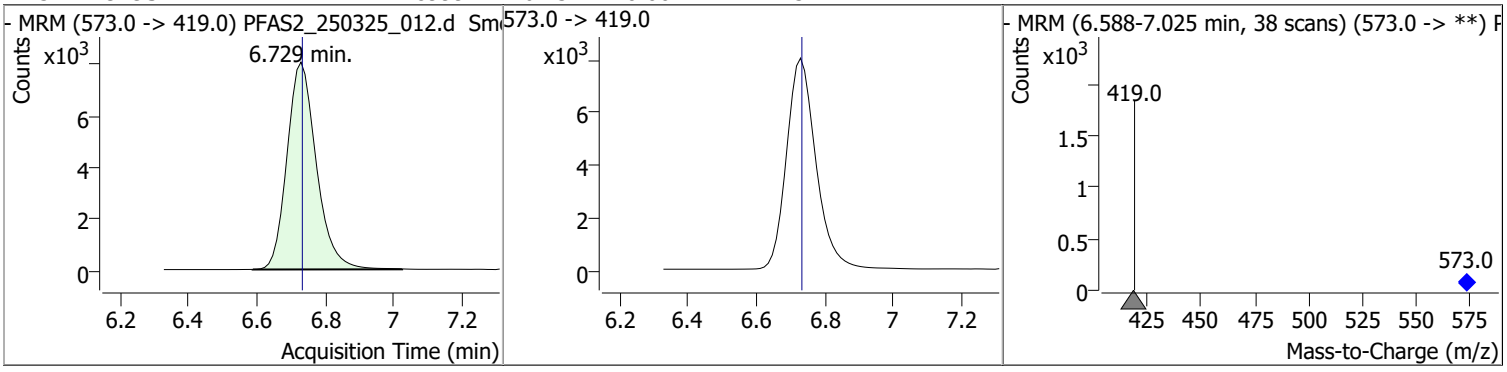
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.5125	6.59	0.00	22227	513.0 -> 219.0	15.3	8.7	16.2



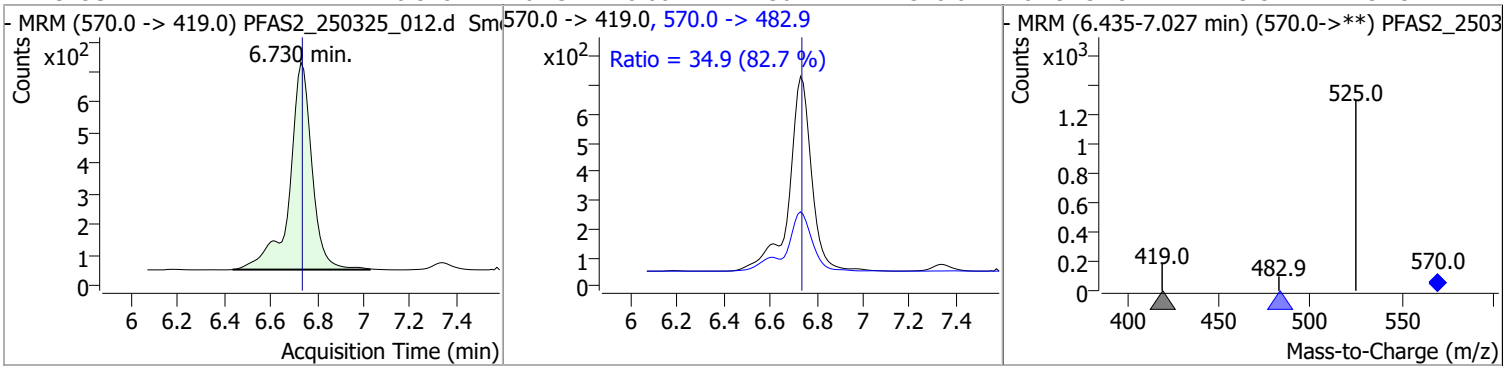
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	9.2919	6.61	0.00	25051	441.0 -> 337.0	119.0	77.1	143.3



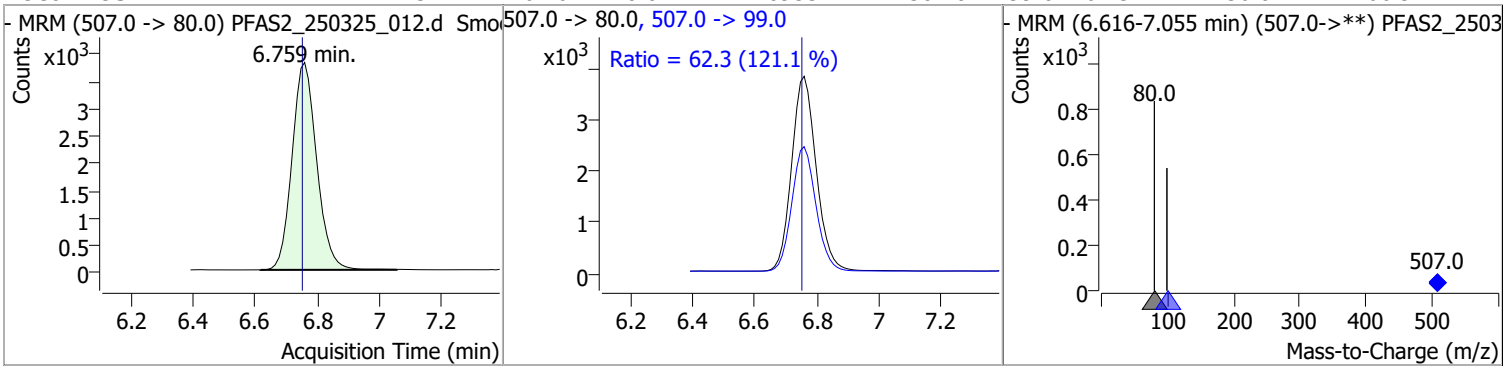
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8999	6.73	0.00	47757				



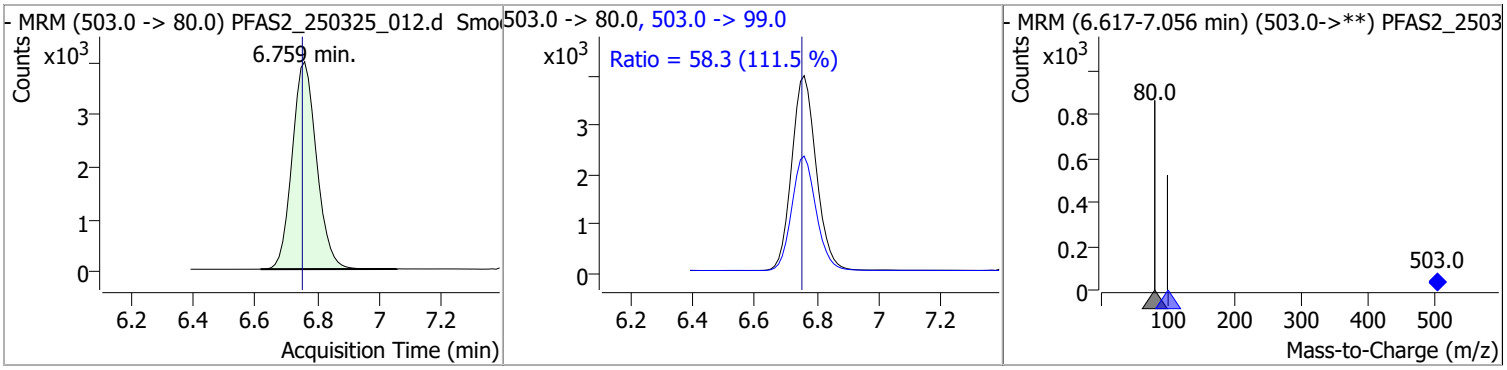
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.5482	6.73	0.00	4567	570.0 -> 482.9	34.9	29.5	54.9



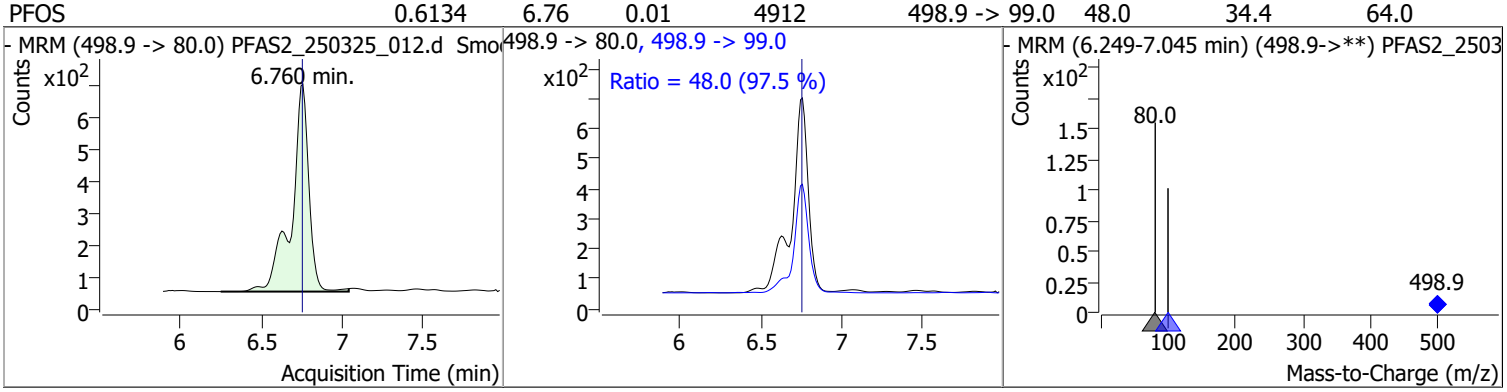
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3744	6.76	0.01	20933	507.0 -> 99.0	62.3	36.0	66.9



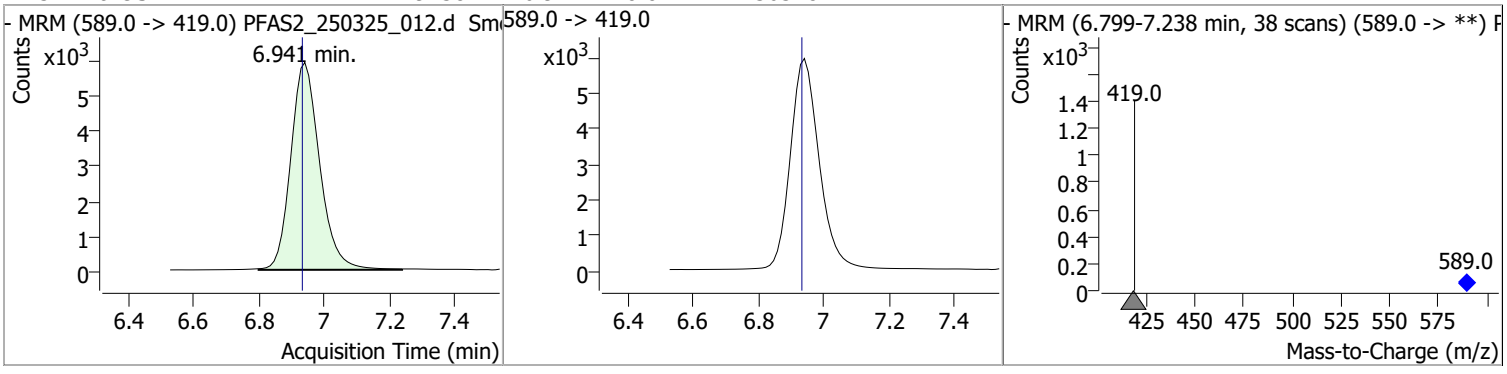
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	21722	503.0 -> 99.0	58.3	36.6	67.9



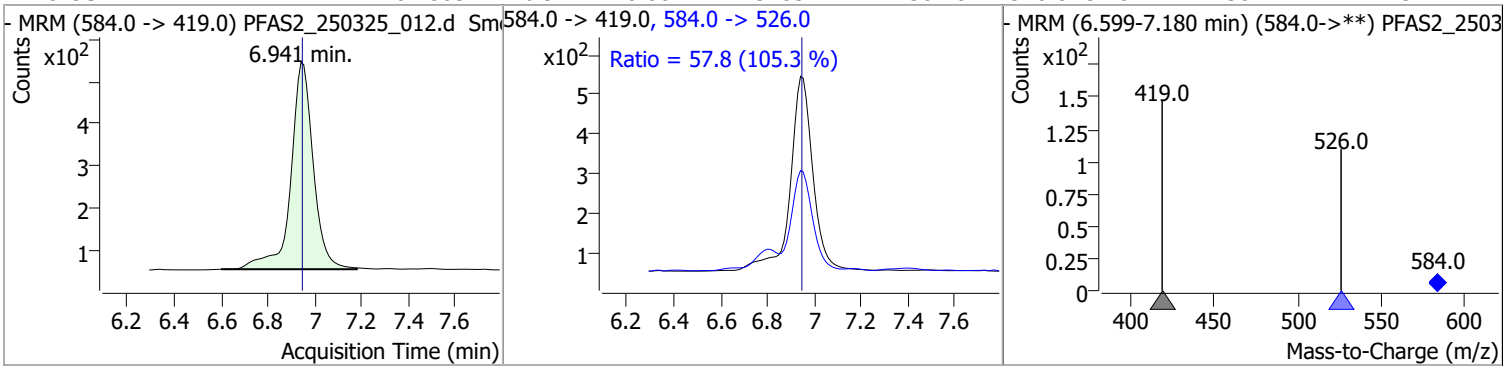
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.6134	6.76	0.01	4912	498.9 -> 99.0	48.0	34.4	64.0



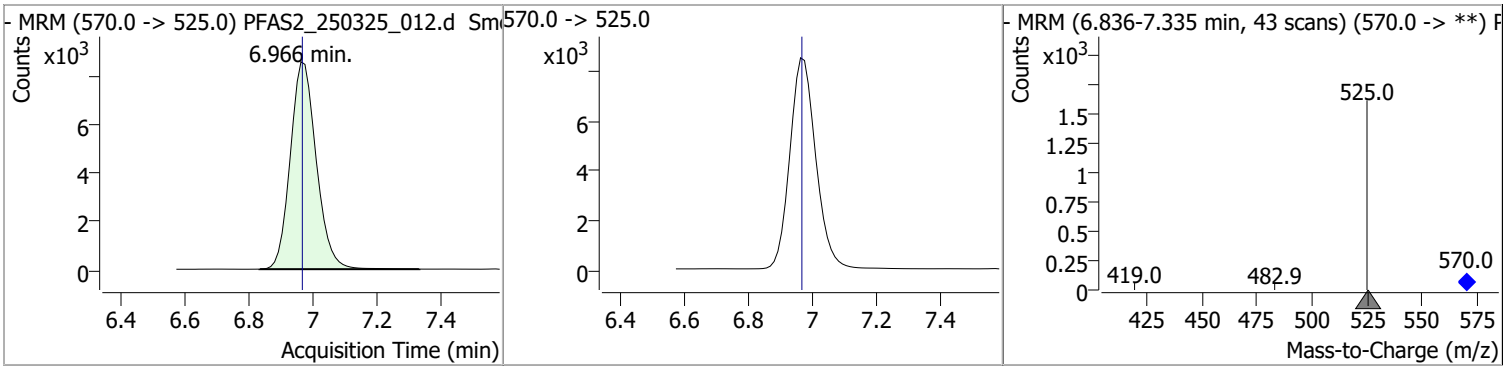
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9438	6.94	0.01	36378				



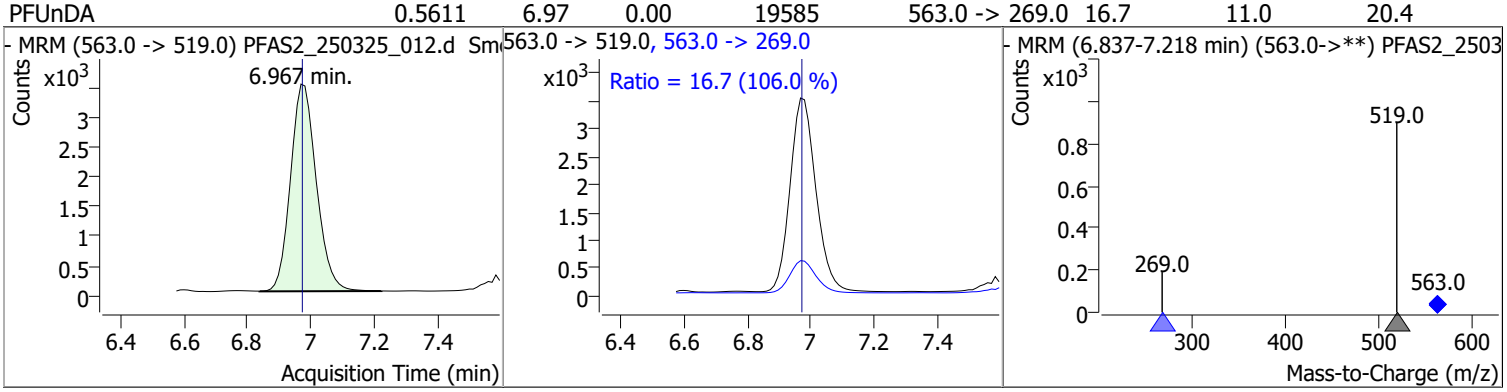
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.4883	6.94	0.00	3285	584.0 -> 526.0	57.8	38.4	71.3



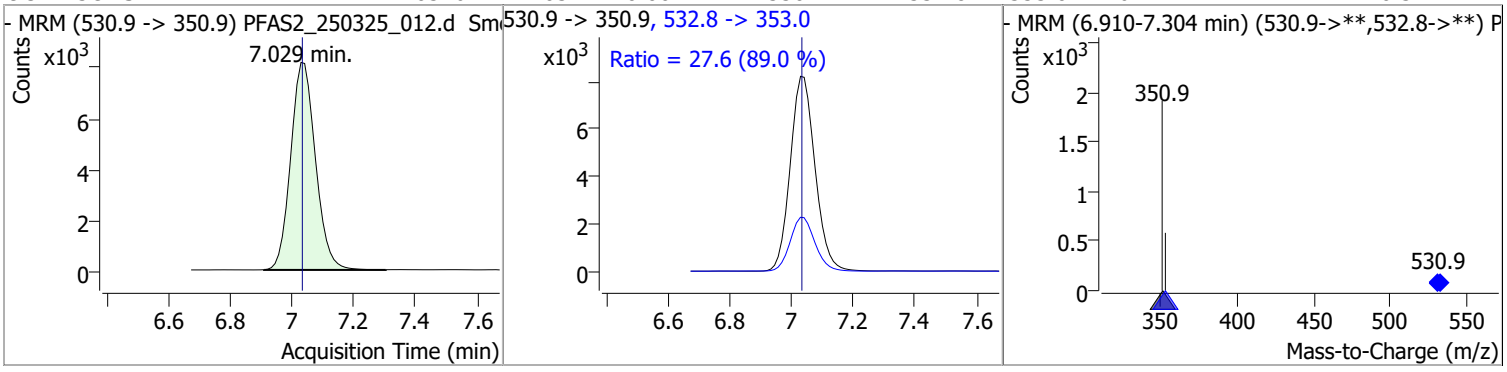
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3331	6.97	0.00	47993				



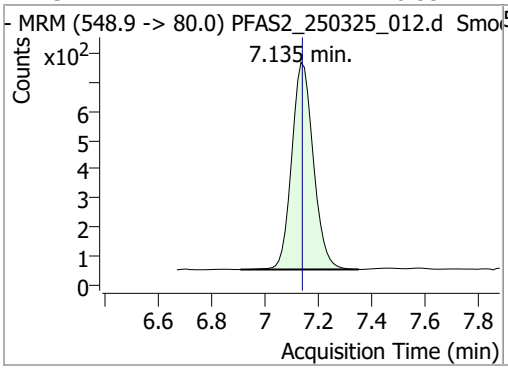
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.5611	6.97	0.00	19585	563.0 -> 269.0	16.7	11.0	20.4

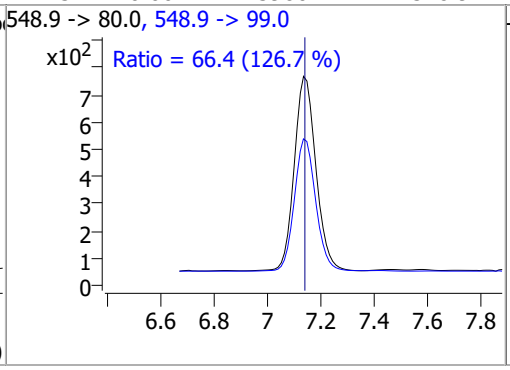


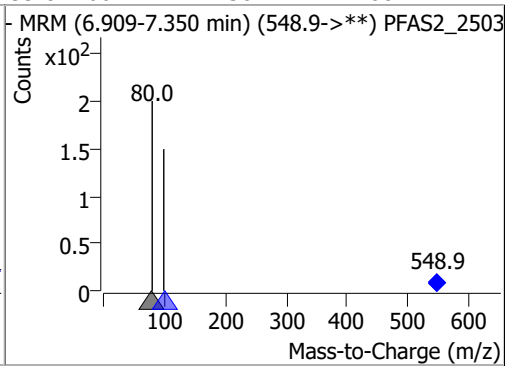
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	1.0346	7.03	0.00	45504	532.8 -> 353.0	27.6	21.7	40.3



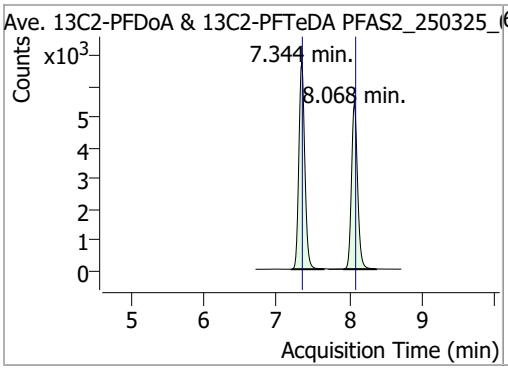
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.5574	7.13	0.00	3980	548.9 -> 99.0	66.4	36.7	68.1

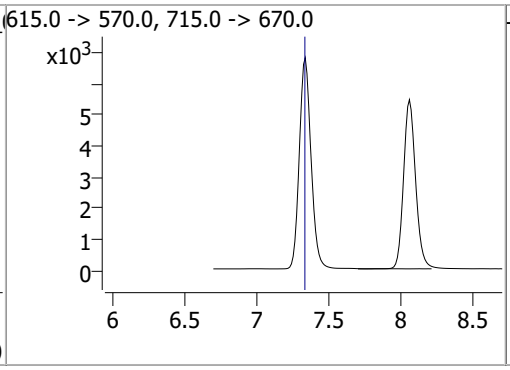


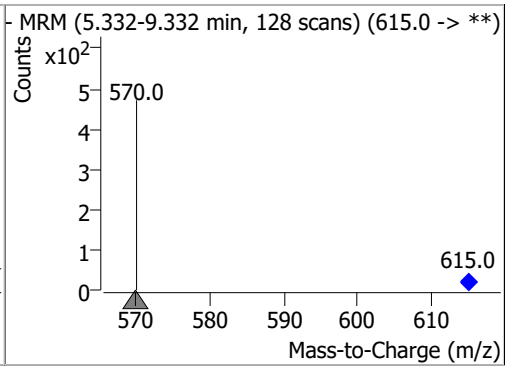




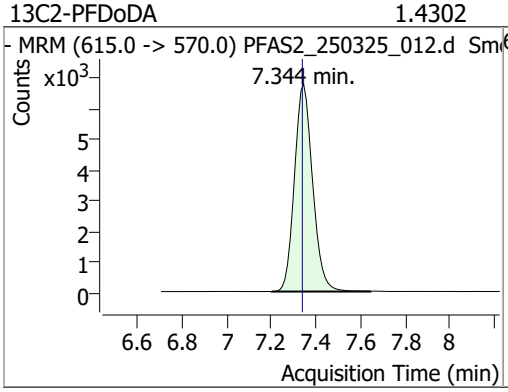
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1804	7.71	0.37	35026				

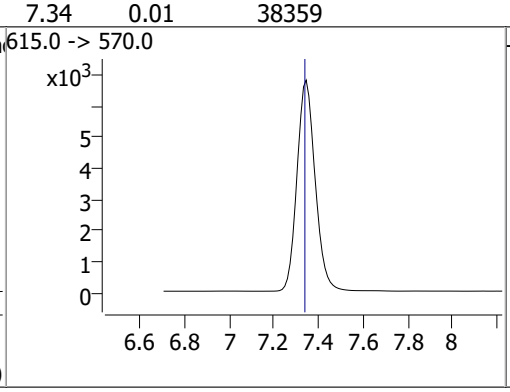


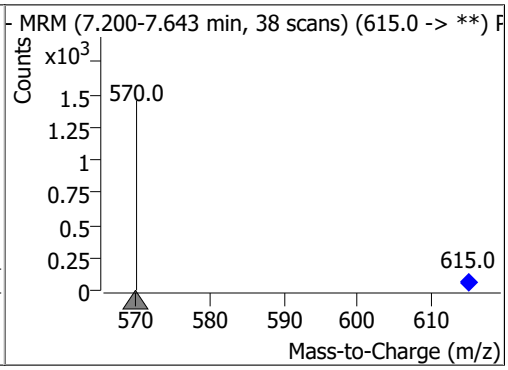




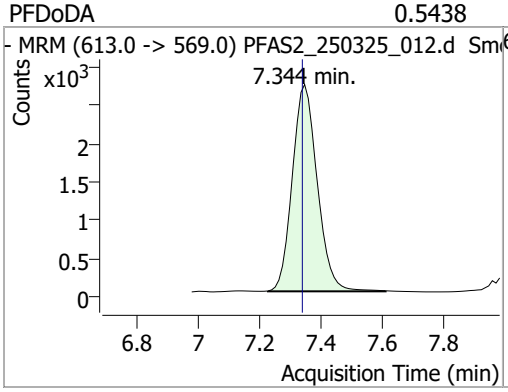
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4302	7.34	0.01	38359				

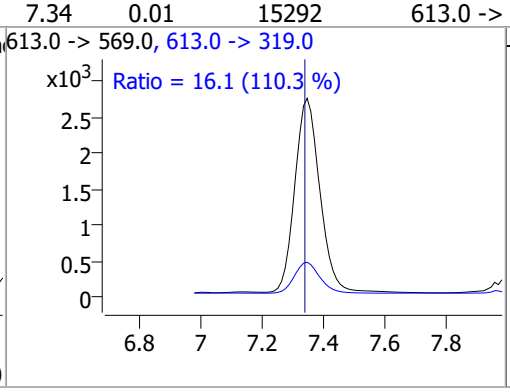


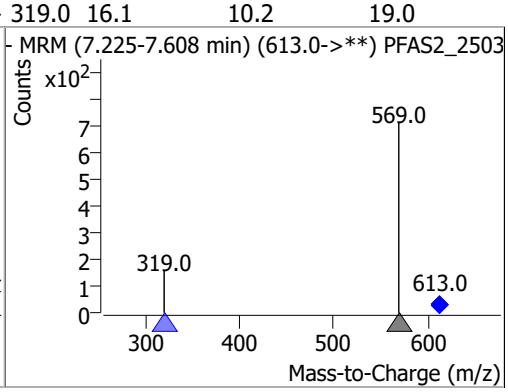




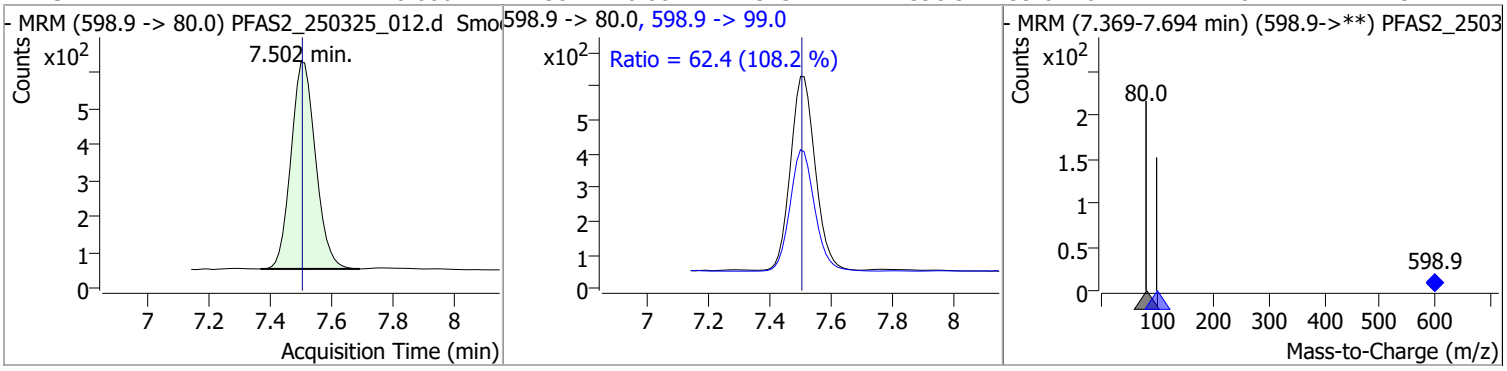
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.5438	7.34	0.01	15292	613.0 -> 319.0	16.1	10.2	19.0



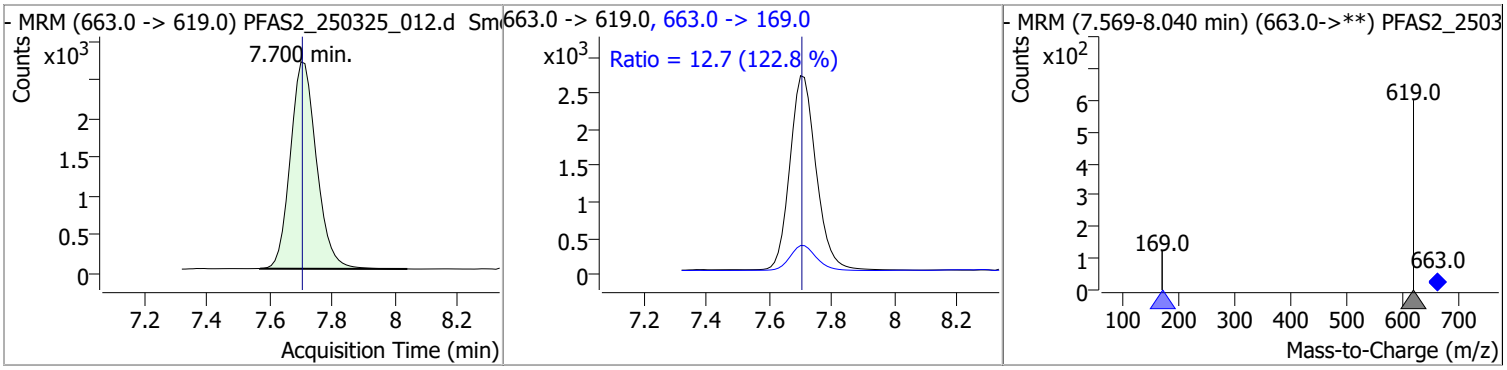




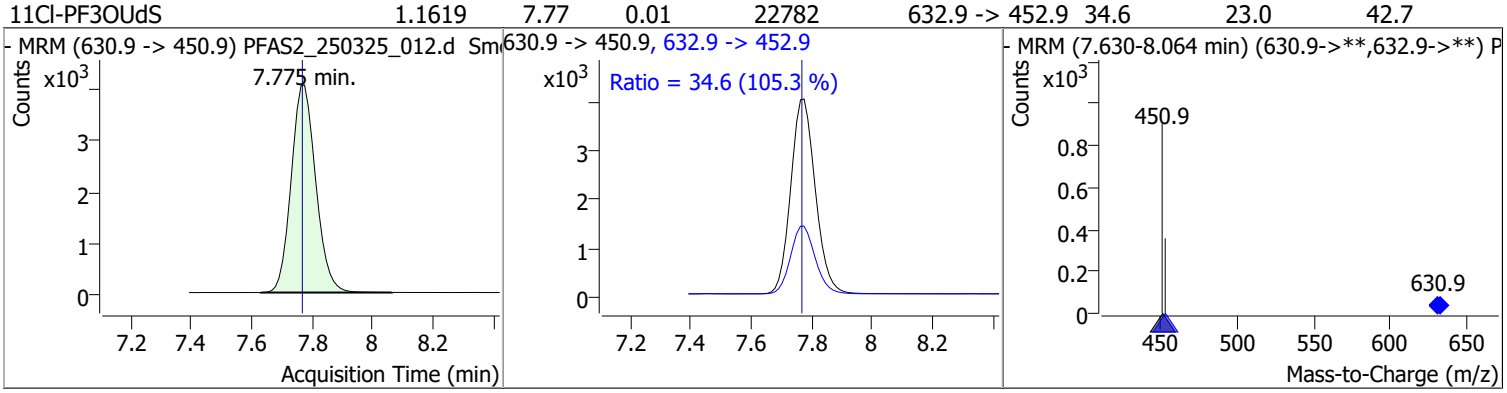
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.6061	7.50	0.00	3234	598.9 -> 99.0	62.4	40.4	74.9



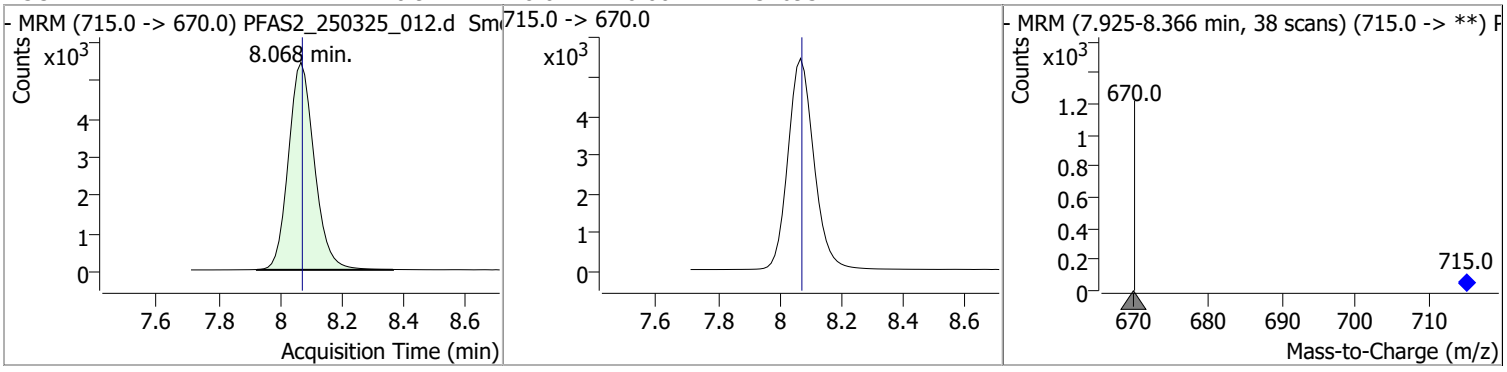
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.5898	7.70	0.00	15567	663.0 -> 169.0	12.7	7.2	13.4



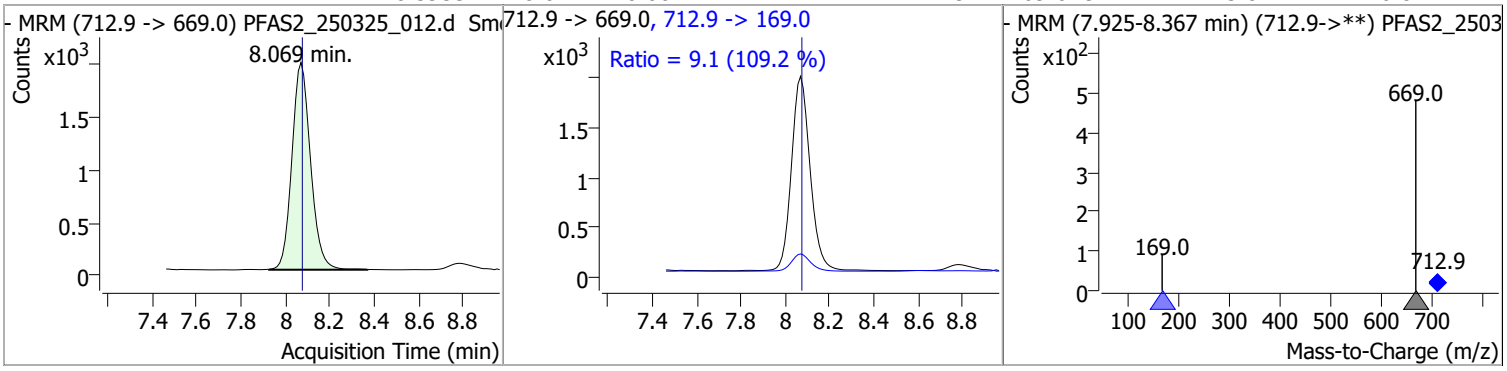
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	1.1619	7.77	0.01	22782	632.9 -> 452.9	34.6	23.0	42.7



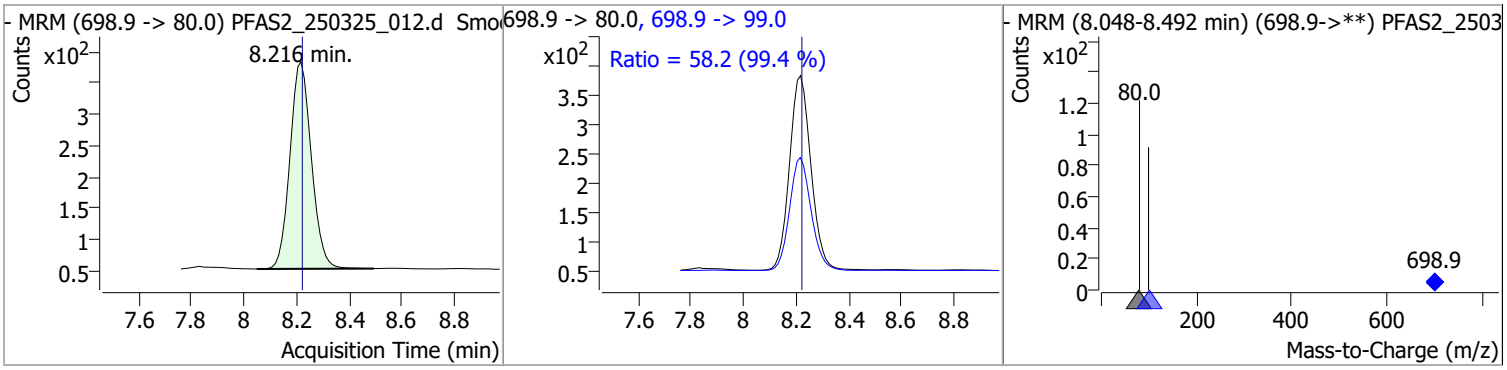
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9744	8.07	0.00	31693				



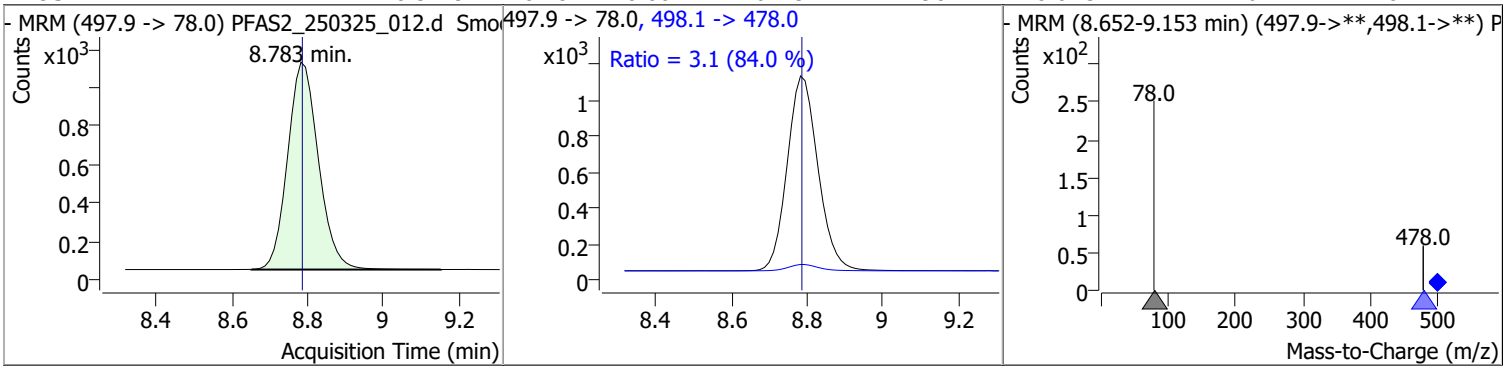
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5953	8.07	0.00	11441	712.9 -> 169.0	9.1	5.8	10.8



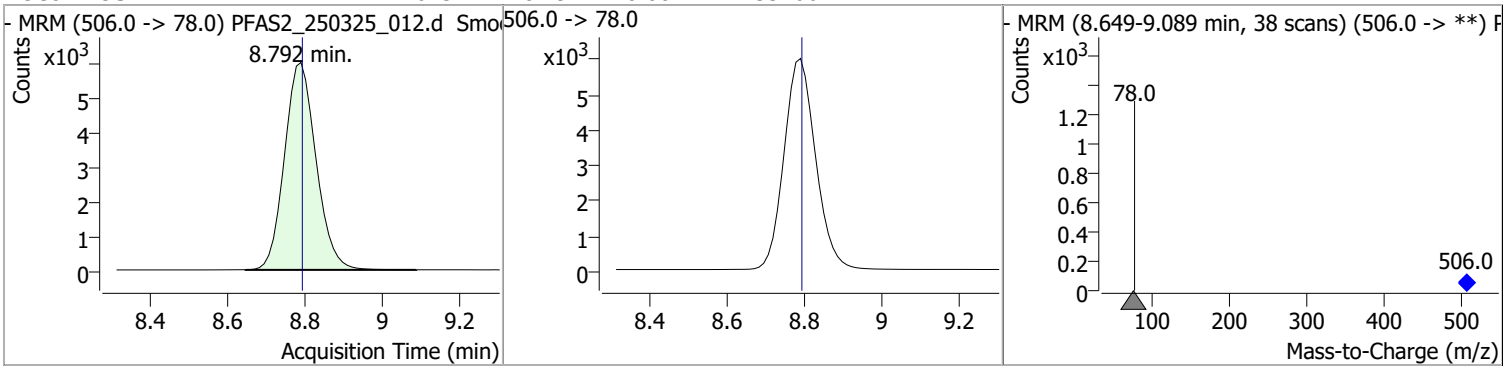
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.4985	8.22	0.00	1860	698.9 -> 99.0	58.2	41.0	76.1



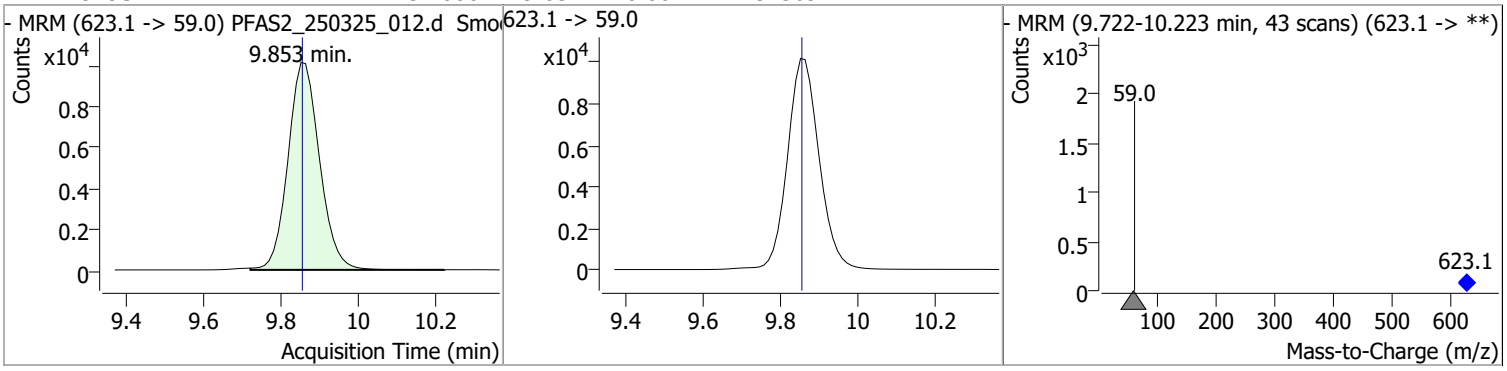
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.5219	8.78	0.00	6125	498.1 -> 478.0	3.1	2.6	4.8



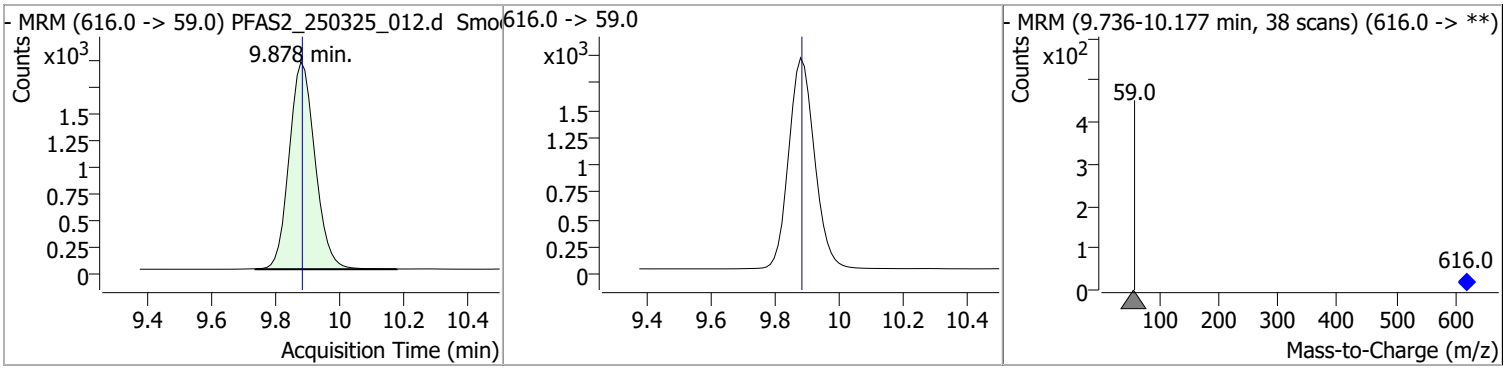
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6137	8.79	0.00	33766				



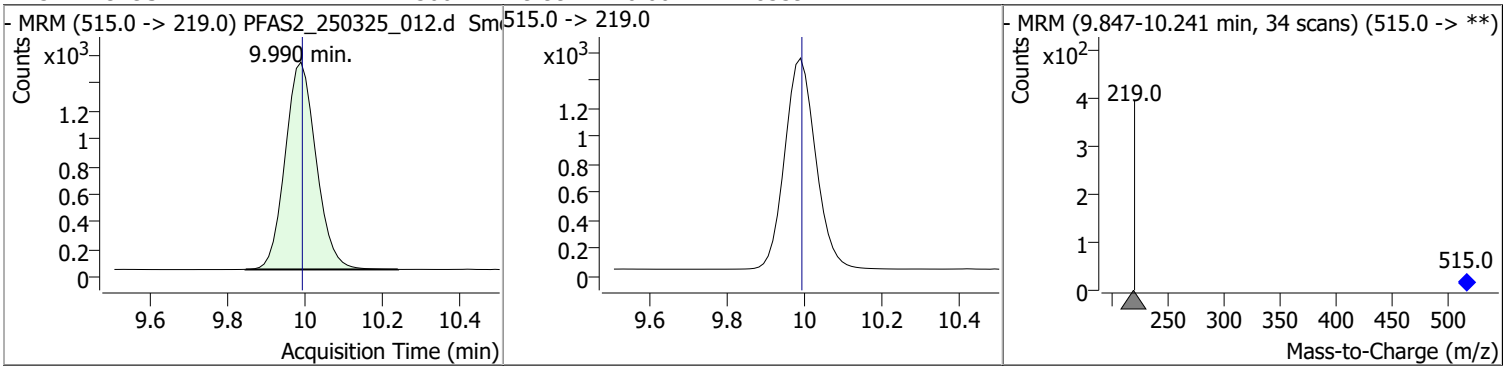
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.1000	9.85	0.00	57369				



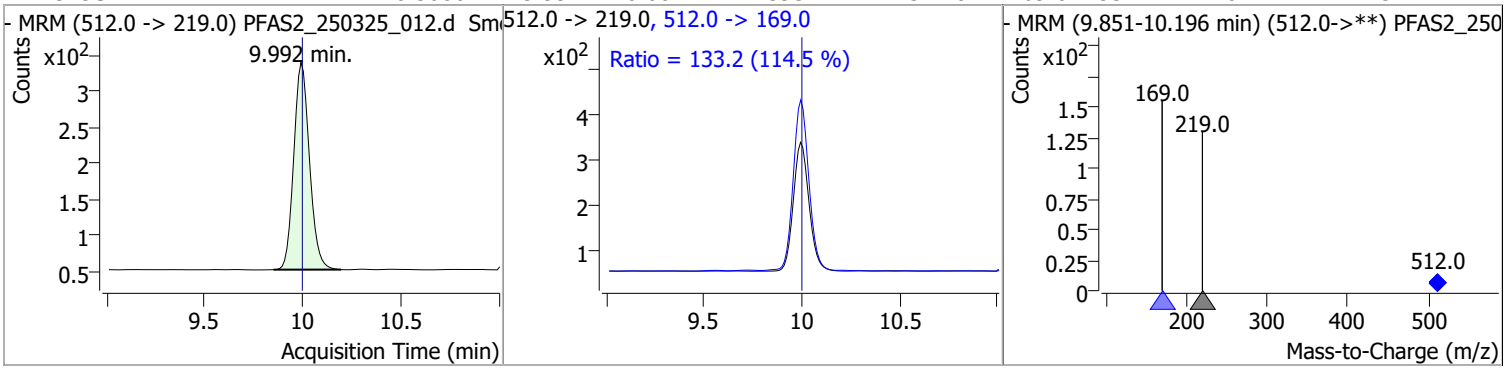
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	6.2131	9.88	0.00	10807				



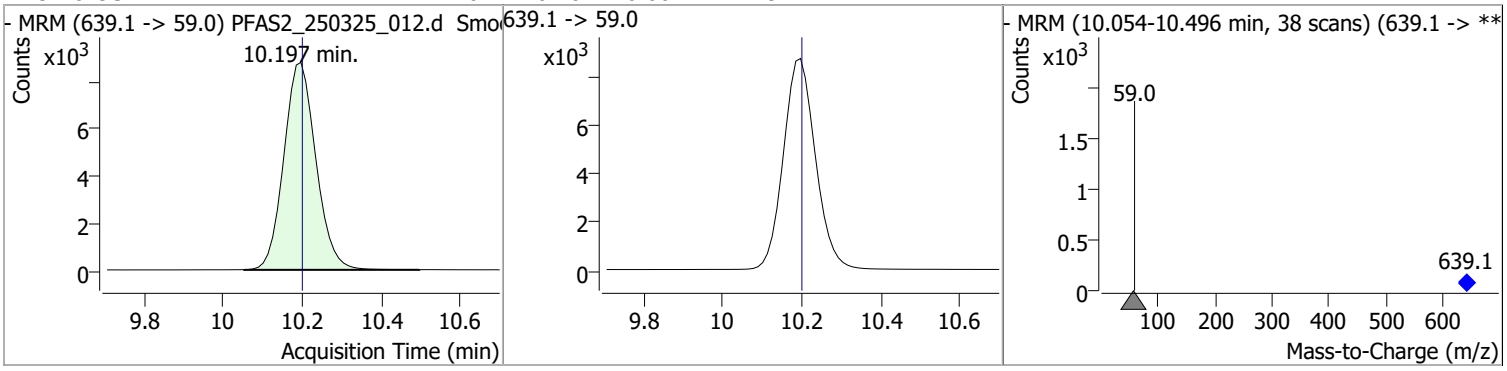
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3001	9.99	0.00	8339				



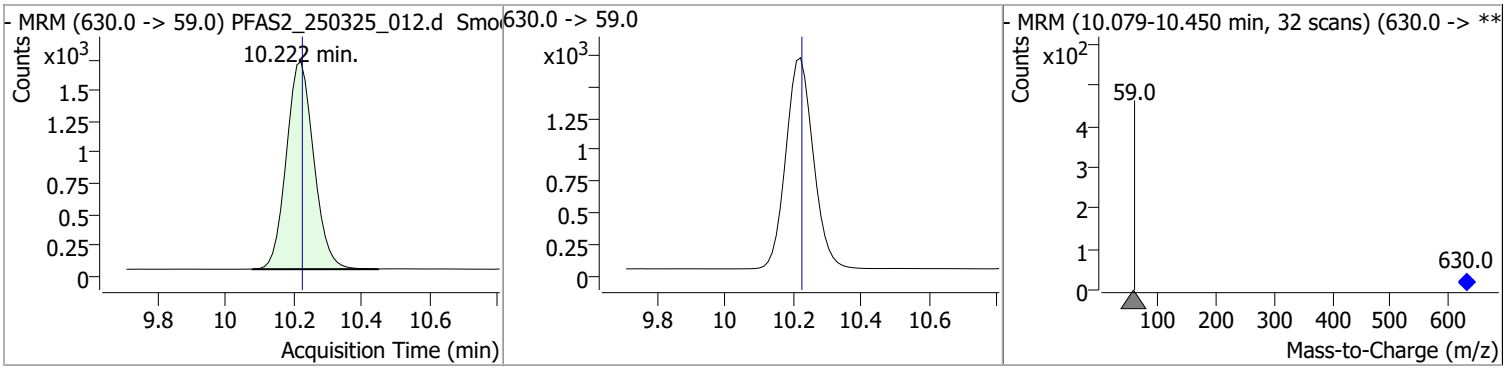
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.5080	9.99	0.00	1593	512.0 -> 169.0	133.2	81.4	151.2



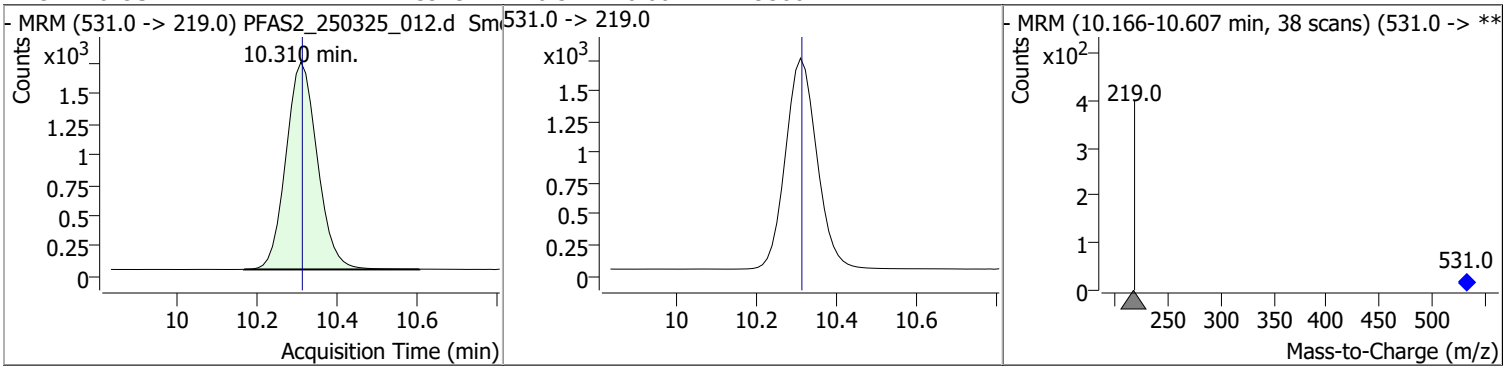
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.2110	10.20	0.00	49222				



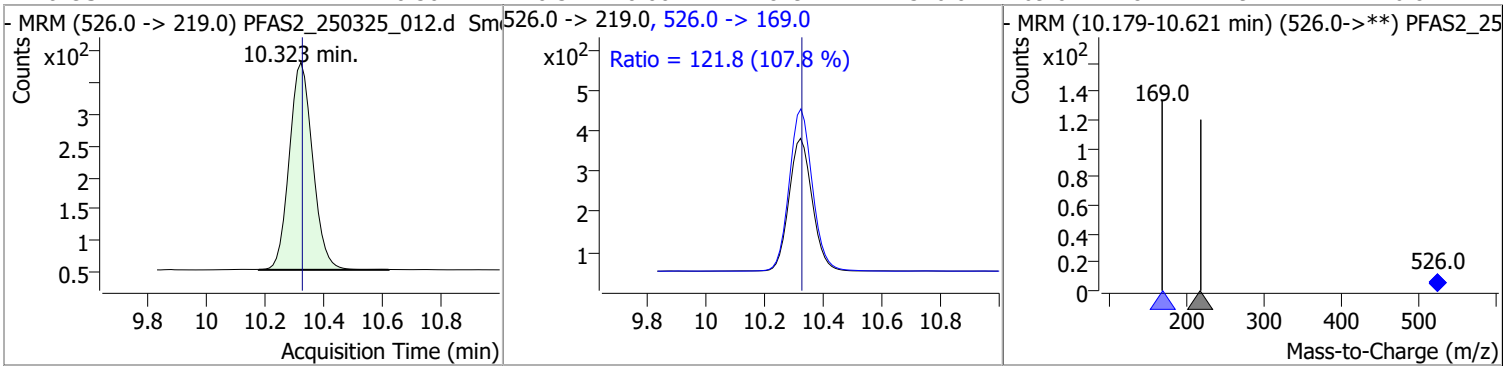
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.3416	10.22	0.00	9422				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3925	10.31	0.00	9380				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.5027	10.32	0.00	1819	526.0 -> 169.0	121.8	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BS2	File ID:	PFAS2_250325_013.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:24
		Preparation:	1633 Water	Dilution:	1

Batch: B25C1367 Sequence: S25C0909 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	217	0.48	3.20	6.40	
2706-90-3	PFPeA	107	0.14	1.60	3.20	
307-24-4	PFHxA	55.6	0.13	0.80	1.60	
375-85-9	PFHpA	54.2	0.16	0.80	1.60	
335-67-1	PFOA	54.0	0.12	0.80	1.60	
375-95-1	PFNA	50.7	0.09	0.80	1.60	
335-76-2	PFDA	56.2	0.13	0.80	1.60	
2058-94-8	PFUnA	57.5	0.19	0.80	1.60	
307-55-1	PFDoA	58.2	0.11	0.80	1.60	
72629-94-8	PFTrDA	66.7	0.07	0.80	1.60	
376-06-7	PFTeDA	66.6	0.12	0.80	1.60	
375-73-5	PFBS	51.4	0.19	0.71	1.42	
2706-91-4	PFPeS	51.8	0.21	0.76	1.51	
355-46-4	PFHxS	51.9	0.23	0.73	1.46	
375-92-8	PFHpS	55.4	0.41	0.76	1.52	
1763-23-1	PFOS	55.2	0.22	0.93	1.86	
68259-12-1	PFNS	60.9	0.20	0.77	1.54	
335-77-3	PFDS	61.9	0.14	0.77	1.54	
79780-39-5	PFDoS	45.1	0.08	0.78	1.55	
757124-72-4	4:2FTS	211	0.41	3.00	6.00	
27619-97-2	6:2FTS	202	2.77	3.04	6.08	
39108-34-4	8:2FTS	202	0.61	3.07	6.14	
754-91-6	PFOSA	55.7	0.10	0.80	1.60	
31506-32-8	NMeFOSA	52.4	0.26	0.80	1.60	
4151-50-2	NEtFOSA	52.7	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	52.9	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C1367-BS2	File ID:	PFAS2_250325_013.d
		Prepared:	03/25/25 10:02	Analyzed:	03/25/25 17:24
		Preparation:	1633 Water	Dilution:	1

Batch: B25C1367 Sequence: S25C0909 Calibration: OC250106 Instrument: PFAS2

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	54.3	0.29	0.80	1.60	
24448-09-7	NMeFOSE	660	1.01	8.00	16.0	
1691-99-2	NEtFOSE	563	1.26	8.00	16.0	
13252-13-6	HFPO-DA	112	0.41	1.60	3.20	
919005-14-4	ADONA	93.5	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	96.5	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	108	0.31	1.51	3.02	
356-02-5	3:3FTCA	148	0.66	3.20	6.40	
914637-49-3	5:3FTCA	905	3.66	16.0	32.0	
812-70-4	7:3FTCA	1,030	3.06	16.0	32.0	
113507-82-7	PFEESA	101	0.17	1.42	2.85	
377-73-1	PFMPA	84.0	0.11	1.60	3.20	
863090-89-5	PFMBA	103	0.12	1.60	3.20	
151772-58-6	NFDHA	124	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_013.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 5:24:44 PM
Sample Name	B25C1367-BS2	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

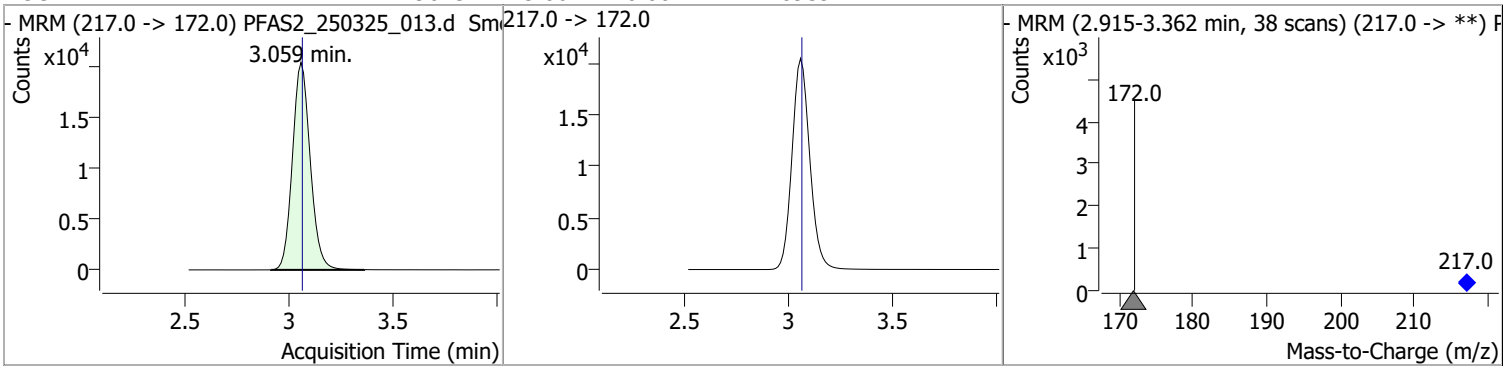
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	108578	5.0000	µg/L		-20.655
13C2-PFHxA	4.890	315.0 -> 270.0	126873	2.5000	µg/L		-17.306
18O2-PFHxS	5.943	403.0 -> 84.0	25090	2.5000	µg/L		-15.321
13C4-PFOA	5.823	417.0 -> 172.0	12558	2.5000	µg/L		-18.706
13C5-PFNA	6.214	468.0 -> 423.0	63150	1.2500	µg/L		-11.272
13C2-PFDA	6.592	515.0 -> 470.0	53899	1.2500	µg/L		-19.404
13C4-PFOS	6.759	503.0 -> 80.0	20366	2.5000	µg/L		-18.241
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	120959	10.0000	µg/L		-61.085
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 49.02%			
13C5-PFPeA	4.234	268.0 -> 223.0	165371	5.0000	µg/L		-20.079
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.65%			
13C5-PFPeA	4.234	268.0 -> 223.0	165371	5.0000	µg/L		-20.079
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.65%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	22614	5.0000	µg/L		-10.493
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.13%			
13C5-PFHxA	4.889	318.0 -> 273.0	134540	2.5000	µg/L		-20.317
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.34%			
13C5-PFHxA	4.889	318.0 -> 273.0	134540	2.5000	µg/L		-20.317
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.34%			
13C3-PFBS	4.929	302.0 -> 80.0	49892	2.5000	µg/L		-17.837
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.13%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	151206	10.0000	µg/L		-13.483
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 104.62%			
13C4-PFHpA	5.385	367.0 -> 322.0	151034	2.5000	µg/L		-20.040
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.72%			
13C3-PFHxS	5.944	402.0 -> 80.0	29834	2.5000	µg/L		-14.634
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.84%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	11504	5.0000	µg/L		-22.107
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.09%			
13C8-PFOA	5.823	421.0 -> 376.0	144994	2.5000	µg/L		-16.062
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.27%			
13C3-PFHxS	5.944	402.0 -> 80.0	29834	2.5000	µg/L		-14.634
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.84%			
13C9-PFNA	6.213	472.0 -> 427.0	62302	1.2500	µg/L		-11.584
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.60%			
13C8-PFOS	6.759	507.0 -> 80.0	20601	2.5000	µg/L		-18.522
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.69%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9422	5.0000	µg/L	#	-20.464
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.80%			
13C6-PFDA	6.591	519.0 -> 474.0	58500	1.2500	µg/L		-13.919
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.70%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	45578	5.0000	µg/L		-18.347
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.76%			
13C8-PFOS	6.759	507.0 -> 80.0	20601	2.5000	µg/L		-18.522

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.69%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34097	5.0000	µg/L		-19.144
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.85%			
13C7-PFUnDA	6.966	570.0 -> 525.0	44541	1.2500	µg/L		-16.906
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.09%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	30719	1.2500	µg/L		-30.366
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.26%			
13C2-PFDoDA	7.344	615.0 -> 570.0	33571	1.2500	µg/L		-15.956
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.29%			
13C2-PFTDA	8.068	715.0 -> 670.0	27867	1.2500	µg/L		-42.287
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 71.39%			
13C8-PFOSA	8.792	506.0 -> 78.0	33483	2.5000	µg/L		-9.410
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 110.58%			
13C8-PFOSA	8.792	506.0 -> 78.0	33483	2.5000	µg/L		-9.410
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 110.58%			
2H7-MeFOSE	9.853	623.1 -> 59.0	57810	25.0000	µg/L		-53.989
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 56.32%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8590	2.5000	µg/L		-17.157
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.09%			
2H9-EtFOSE	10.185	639.1 -> 59.0	47475	25.0000	µg/L		-25.248
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 91.40%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9552	2.5000	µg/L		-15.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.95%			
Target Compounds							QValue
PFBA	3.055	213.0 -> 169.0	229115	21.6545	µg/L		100
PFMPA	3.614	229.0 -> 85.0	133388	8.4040	µg/L		100
3-3 FTCA	3.802	241.0 -> 177.0	8224	14.8308	µg/L		96
PFPeA	4.235	263.0 -> 219.0	327916	10.7243	µg/L		100
PFMBA	4.465	279.0 -> 85.0	238764	10.3019	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	290527	21.1388	µg/L		100
NFDHA	4.834	295.0 -> 201.0	12318	12.4489	µg/L		98
PFHxA	4.892	313.0 -> 269.0	267889	5.5645	µg/L		100
PFBS	4.930	298.9 -> 80.0	106341	5.1367	µg/L		91
HFPO-DA	5.087	285.0 -> 169.0	150826	11.2429	µg/L		92
PFEESA	5.201	314.9 -> 135.0	677306	10.0641	µg/L		98
PFHpA	5.386	363.0 -> 319.0	315565	5.4183	µg/L		98
5-3 FTCA	5.482	341.0 -> 237.0	339698	90.4786	µg/L		94
PFPeS	5.494	348.9 -> 80.0	83363	5.1750	µg/L		91
DONA	5.539	377.0 -> 251.0	830309	9.3480	µg/L		100
6-2 FTSA	5.642	427.0 -> 407.0	161592	20.1937	µg/L		89
PFOA	5.824	413.0 -> 369.0	308531	5.4001	µg/L		96
PFHxS	5.945	398.9 -> 80.0	60244	5.1916	µg/L		92
PFNA	6.214	463.0 -> 419.0	246420	5.0726	µg/L		98
PFHpS	6.358	448.9 -> 80.0	47442	5.5367	µg/L		91
8-2 FTSA	6.412	527.0 -> 507.0	84982	20.1715	µg/L	#	71
PFDA	6.592	513.0 -> 469.0	241998	5.6184	µg/L		91
7-3 FTCA	6.620	441.0 -> 317.0	295441	103.2980	µg/L		94
N-MeFOSAA	6.730	570.0 -> 419.0	42644	5.2940	µg/L		99
PFOS	6.760	498.9 -> 80.0	45573	5.5203	µg/L		98
N-EtFOSAA	6.953	584.0 -> 419.0	34969	5.4305	µg/L		89
PFUnDA	6.967	563.0 -> 519.0	190357	5.7508	µg/L		93
9Cl-PF3ONS	7.041	530.9 -> 350.9	453916	9.6519	µg/L		95
PFNS	7.135	548.9 -> 80.0	42783	6.0881	µg/L		91
PFDoDA	7.344	613.0 -> 569.0	143224	5.8196	µg/L		97

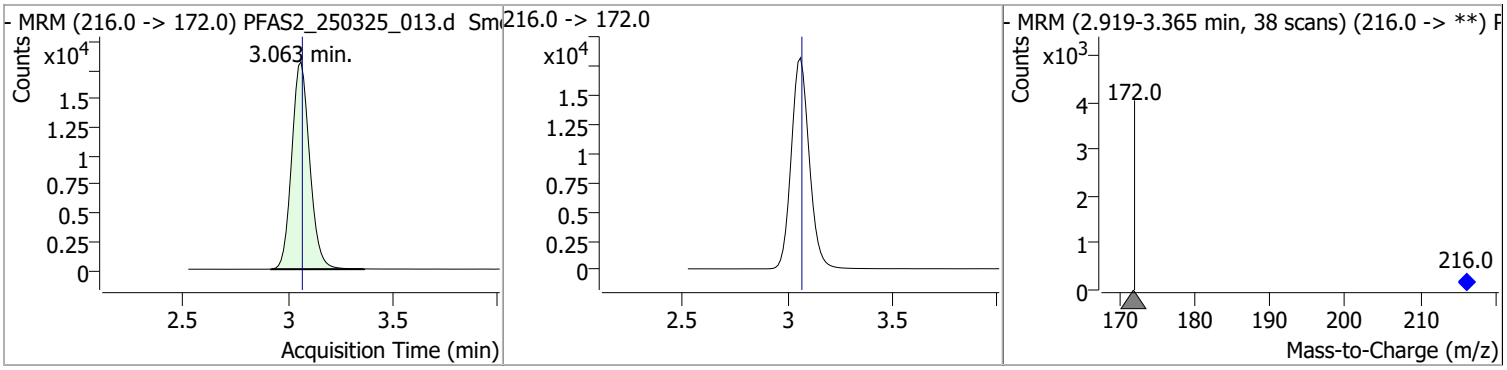
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
PFDS	7.513	598.9 -> 80.0	32497	6.1891	µg/L	94
PFTrDA	7.713	663.0 -> 619.0	154366	6.6692	µg/L	96
11Cl-PF3OUdS	7.775	630.9 -> 450.9	217228	10.8461	µg/L	97
PFTDA	8.069	712.9 -> 669.0	113553	6.6616	µg/L	99
PFDoS	8.216	698.9 -> 80.0	16560	4.5103	µg/L	95
PFOSA	8.783	497.9 -> 78.0	64808	5.5692	µg/L	97
MeFOSE	9.878	616.0 -> 59.0	114413	65.9851	µg/L	100
N-MeFOSA	9.992	512.0 -> 219.0	16945	5.2447	µg/L	89
EtFOSE	10.210	630.0 -> 59.0	95309	56.2793	µg/L	100
N-EtFOSA	10.323	526.0 -> 219.0	19416	5.2698	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

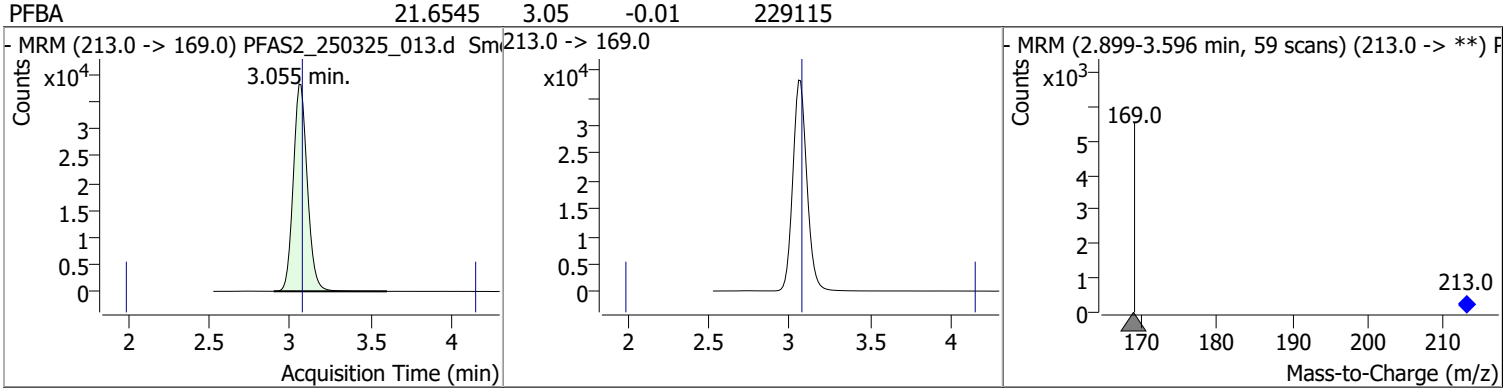
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.9023	3.06	0.00	120959				



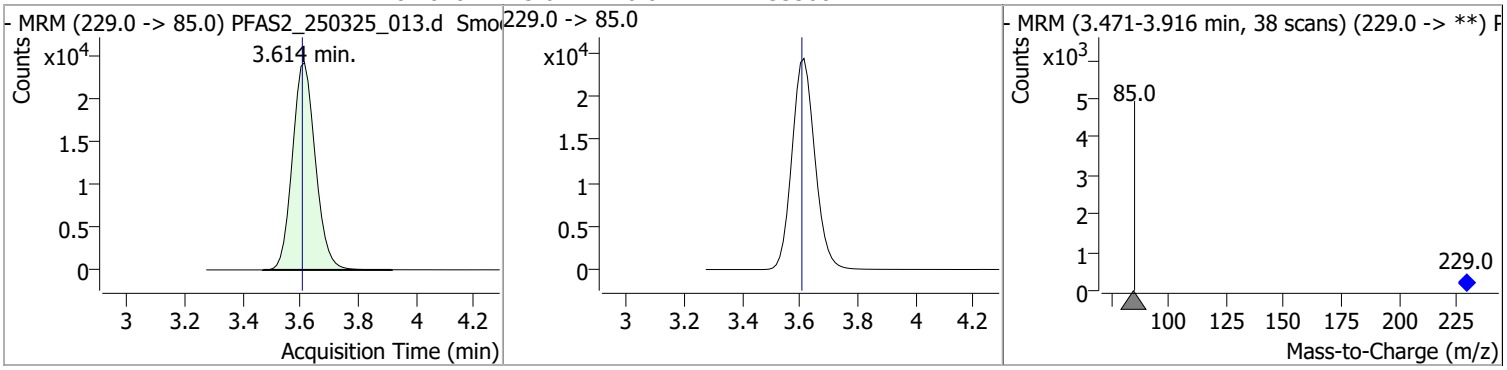
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	0.00	108578				



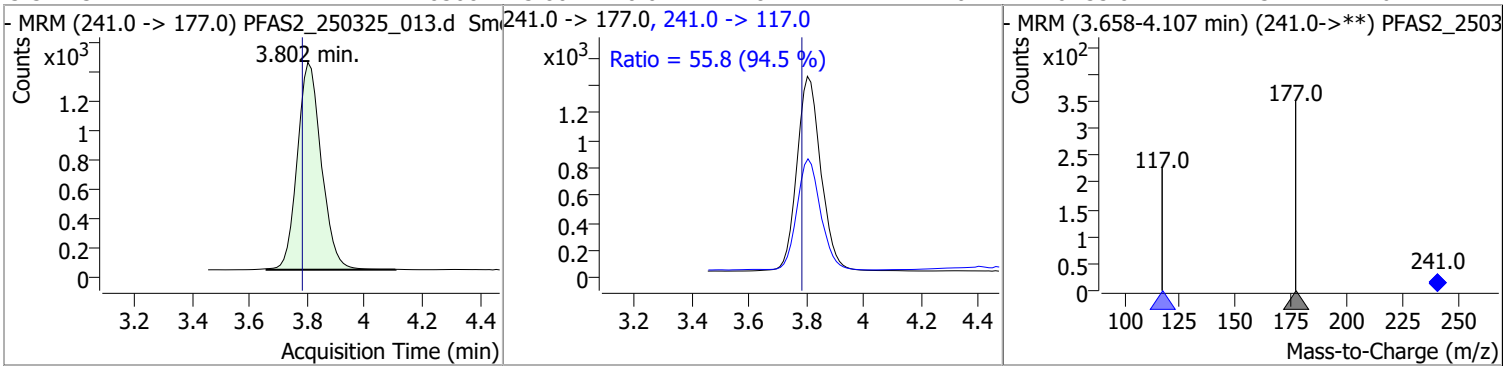
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	21.6545	3.05	-0.01	229115				



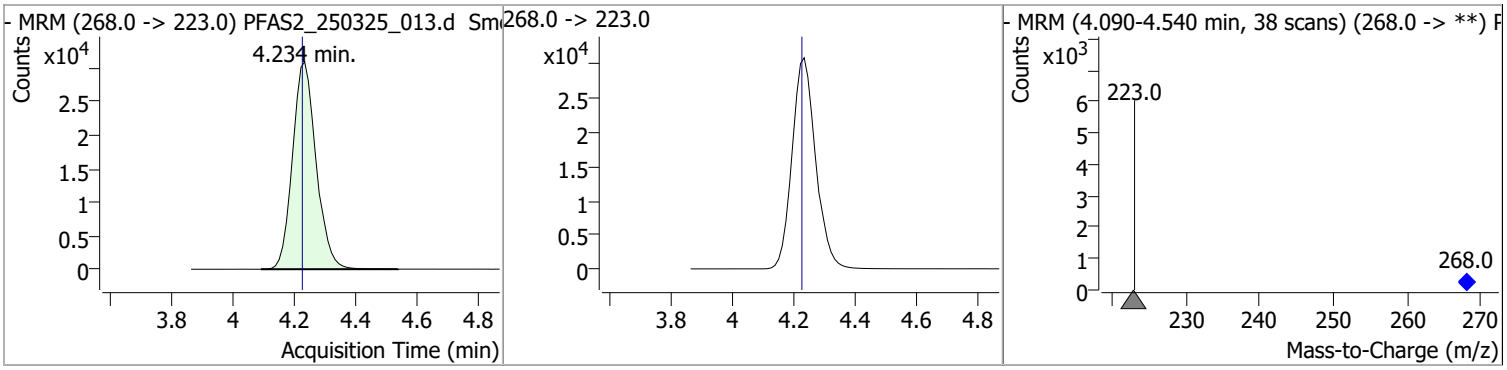
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	8.4040	3.61	0.01	133388				



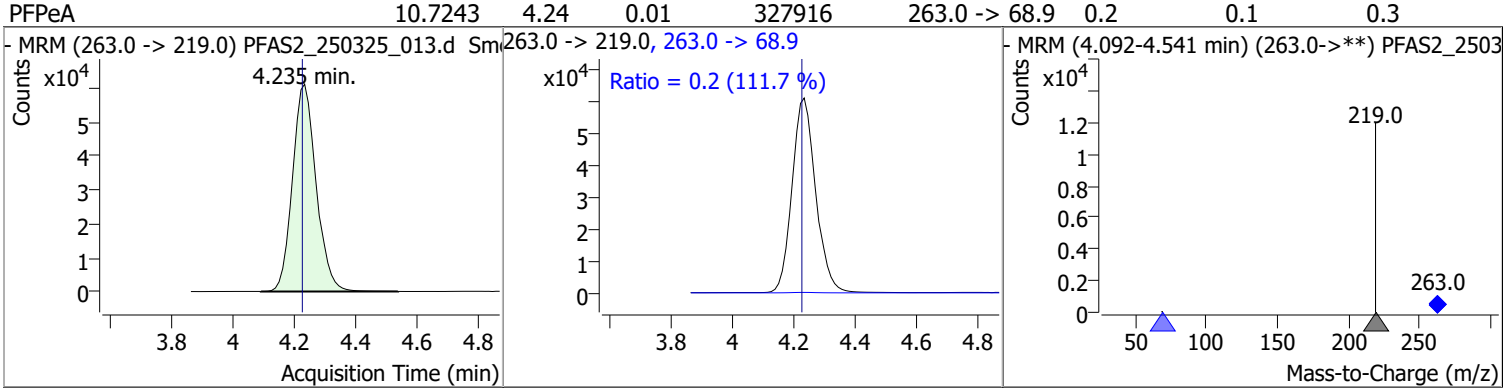
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	14.8308	3.80	0.02	8224	241.0 -> 117.0	55.8	41.3	76.7



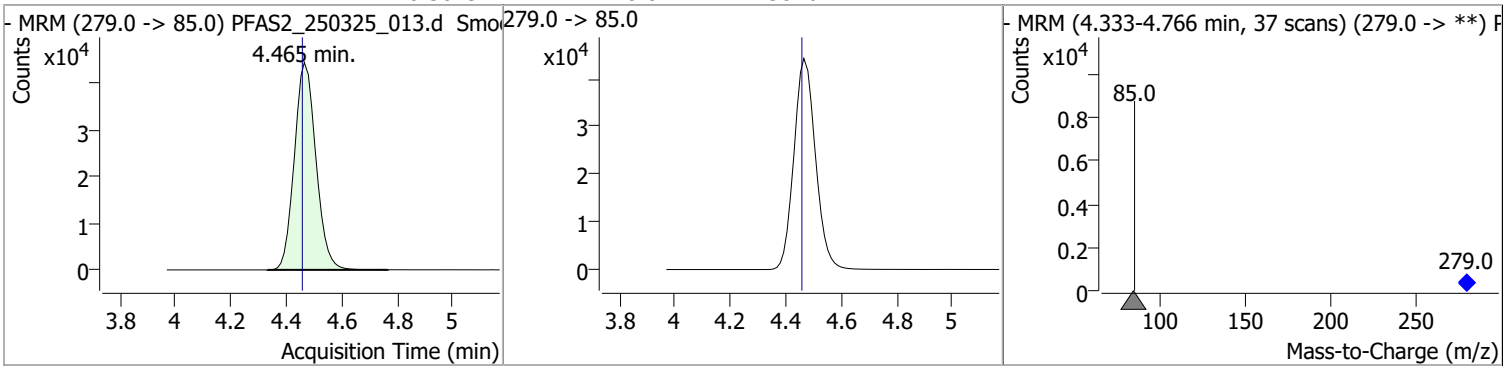
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8326	4.23	0.01	165371				



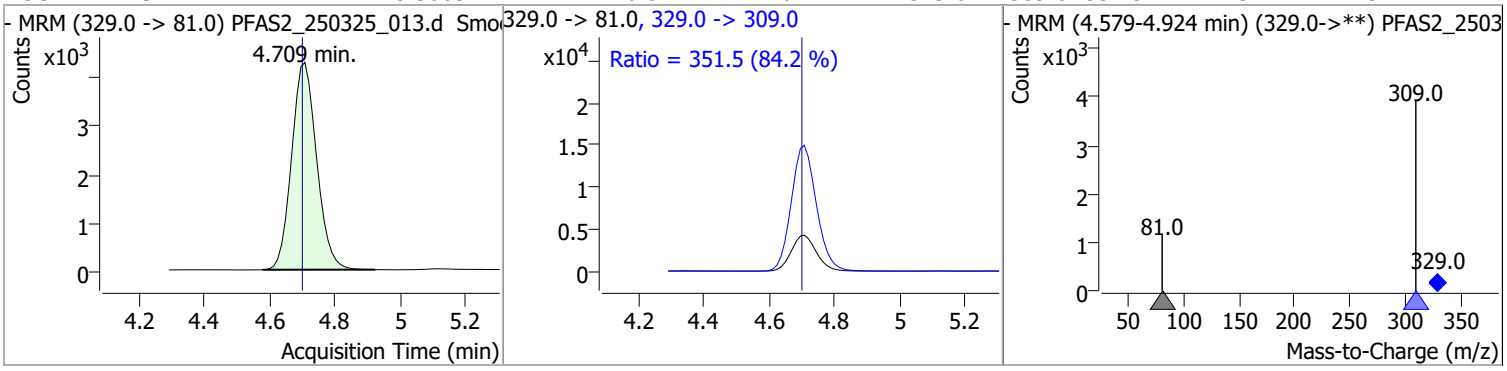
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	10.7243	4.24	0.01	327916	263.0 -> 68.9	0.2	0.1	0.3



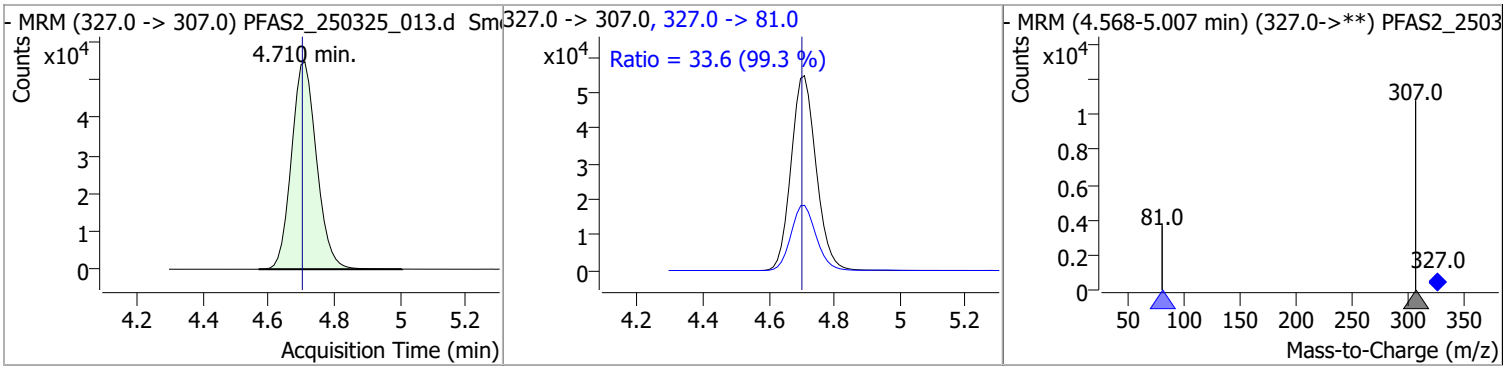
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	10.3019	4.47	0.01	238764				



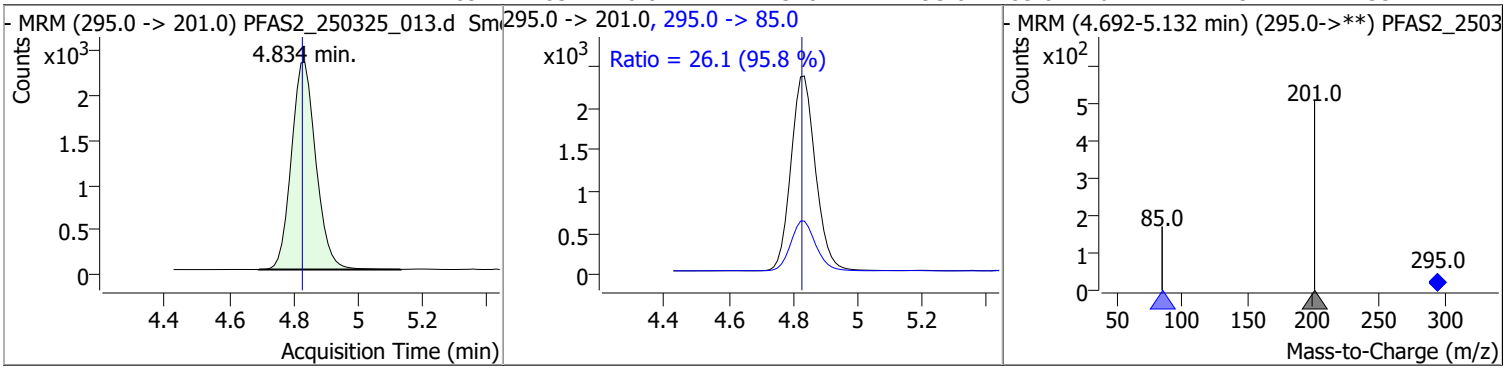
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3065	4.71	0.01	22614	329.0 -> 309.0	351.5	292.1	542.4



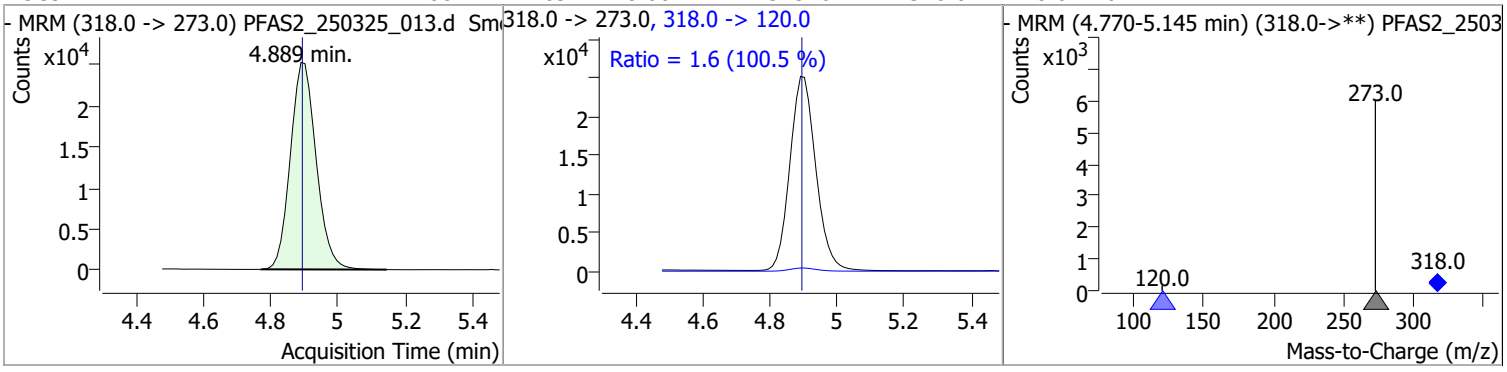
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	21.1388	4.71	0.01	290527	327.0 -> 81.0	33.6	23.6	43.9



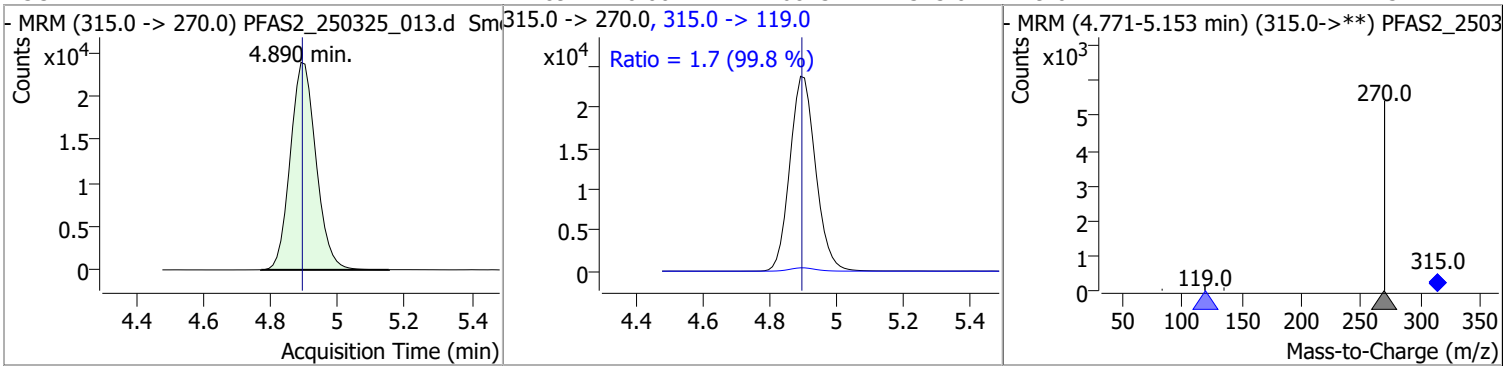
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	12.4489	4.83	0.01	12318	295.0 -> 85.0	26.1	19.1	35.4



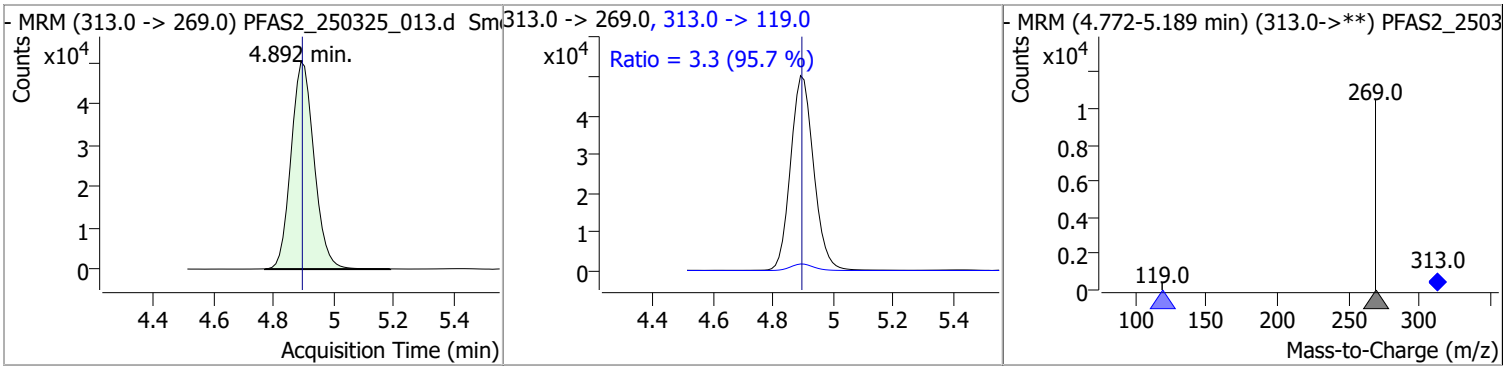
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4084	4.89	0.00	134540	318.0 -> 120.0	1.6	1.1	2.1



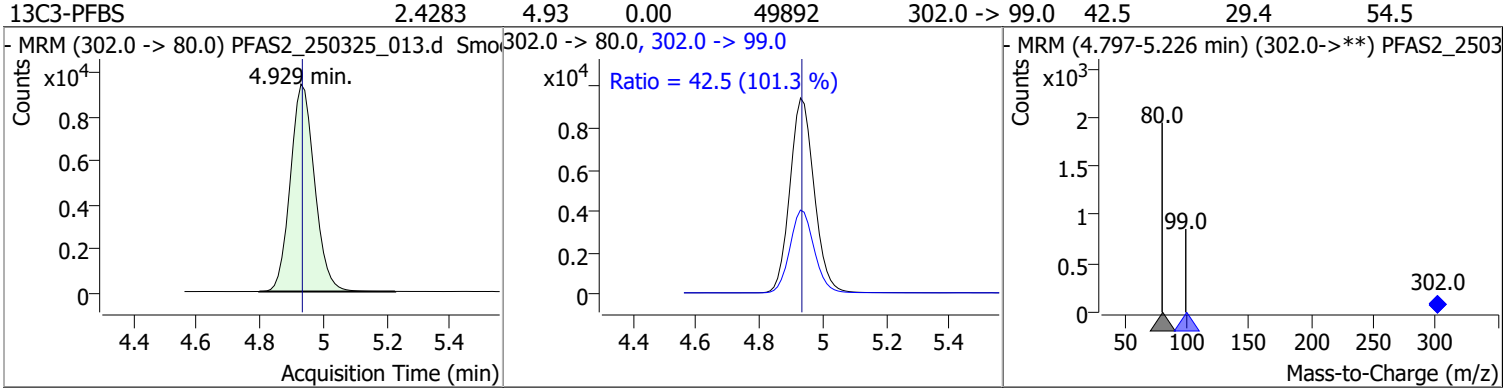
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	126873	315.0 -> 119.0	1.7	1.2	2.3



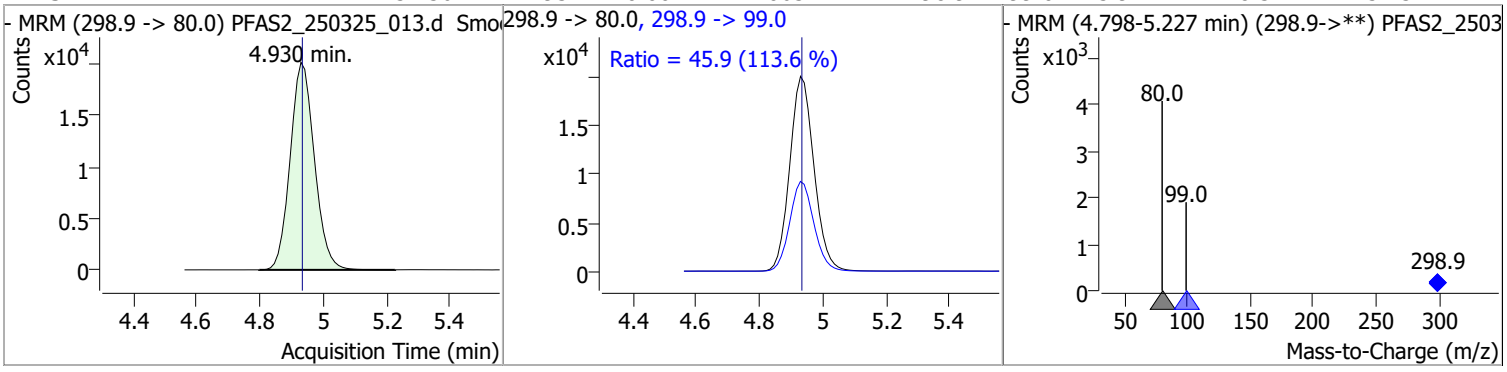
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	5.5645	4.89	0.00	267889	313.0 -> 119.0	3.3	2.4	4.5



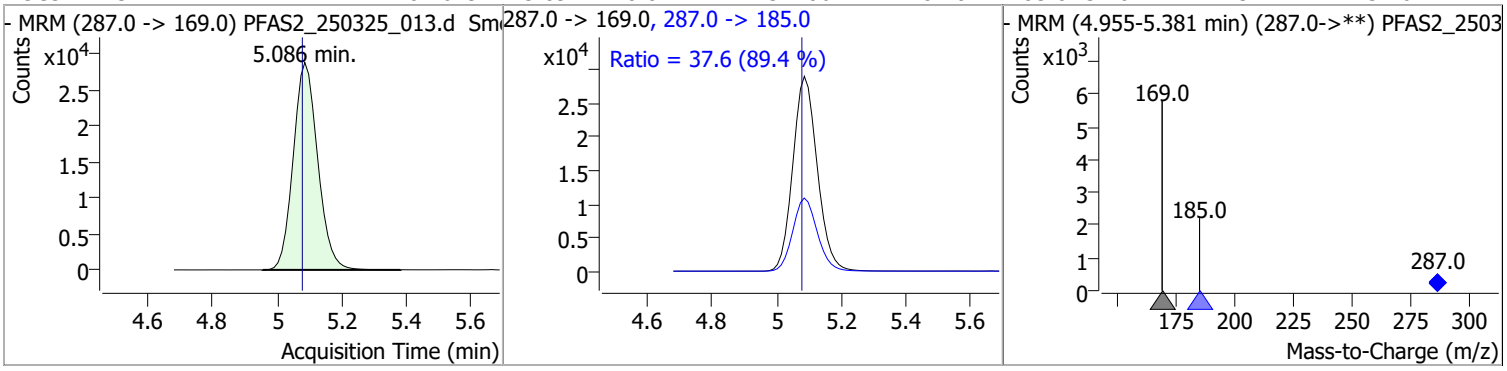
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4283	4.93	0.00	49892	302.0 -> 99.0	42.5	29.4	54.5



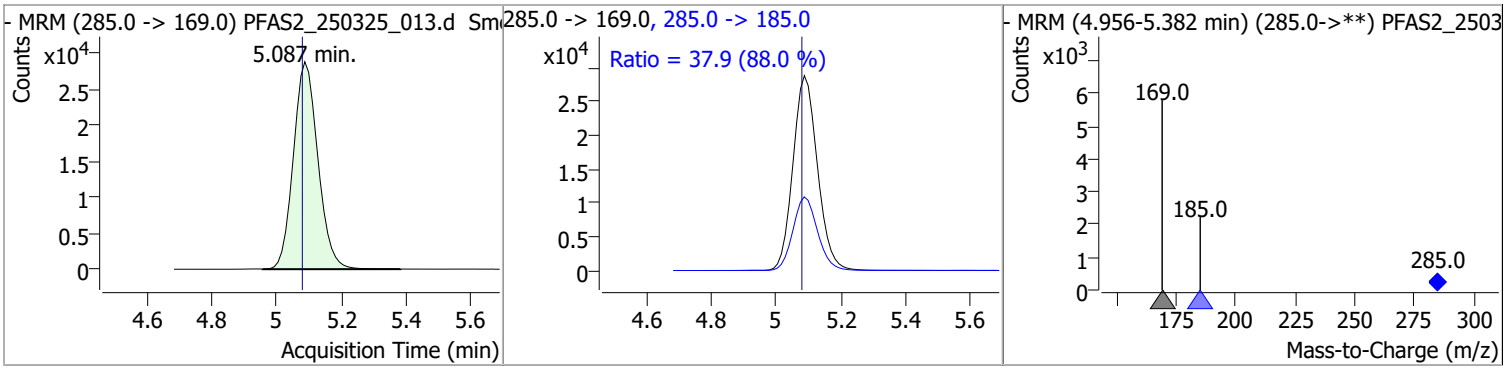
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	5.1367	4.93	0.00	106341	298.9 -> 99.0	45.9	28.3	52.5



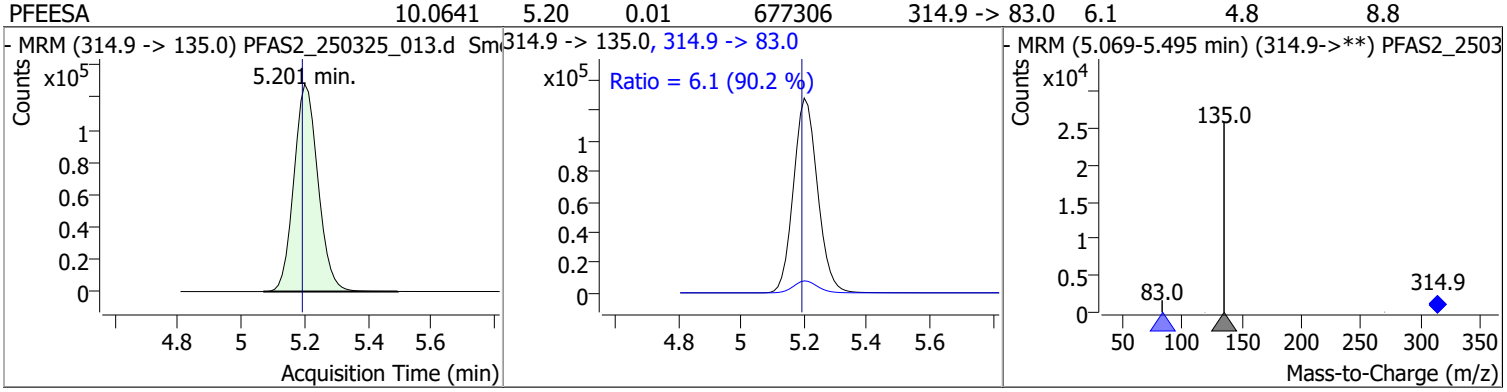
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.4619	5.09	0.01	151206	287.0 -> 185.0	37.6	29.4	54.6



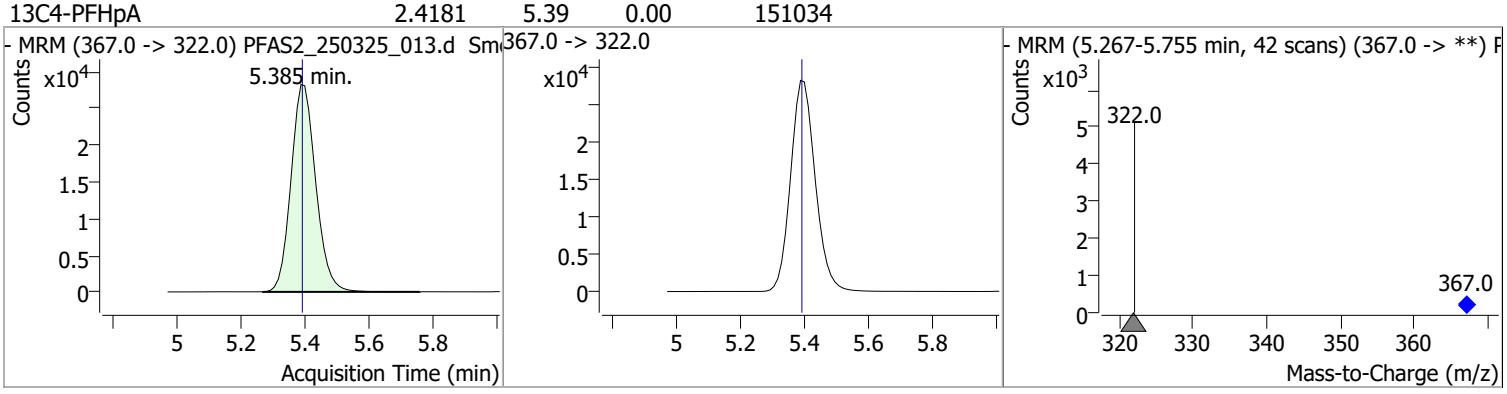
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	11.2429	5.09	0.01	150826	285.0 -> 185.0	37.9	30.1	56.0



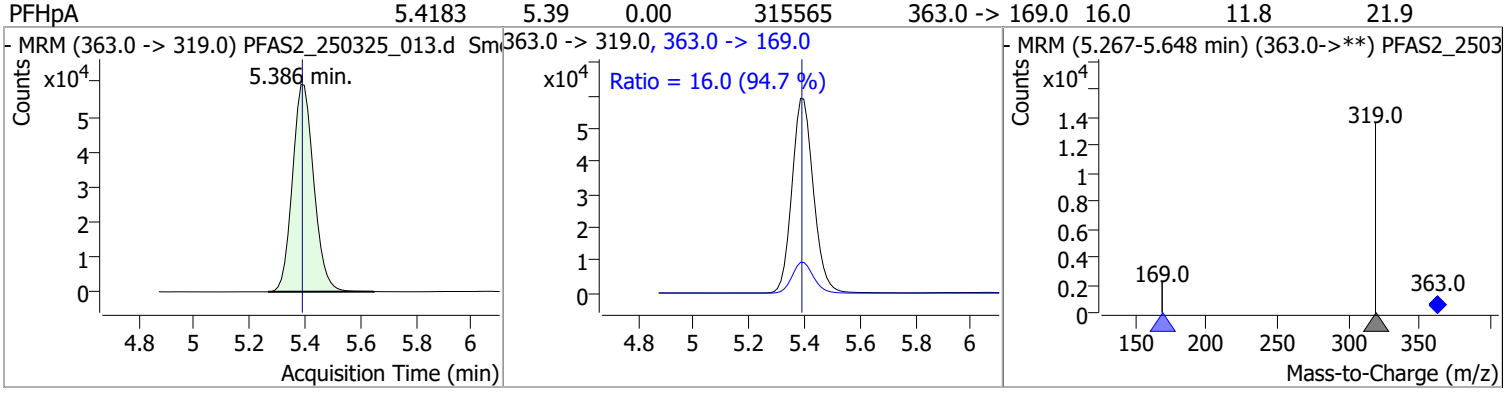
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	10.0641	5.20	0.01	677306	314.9 -> 83.0	6.1	4.8	8.8



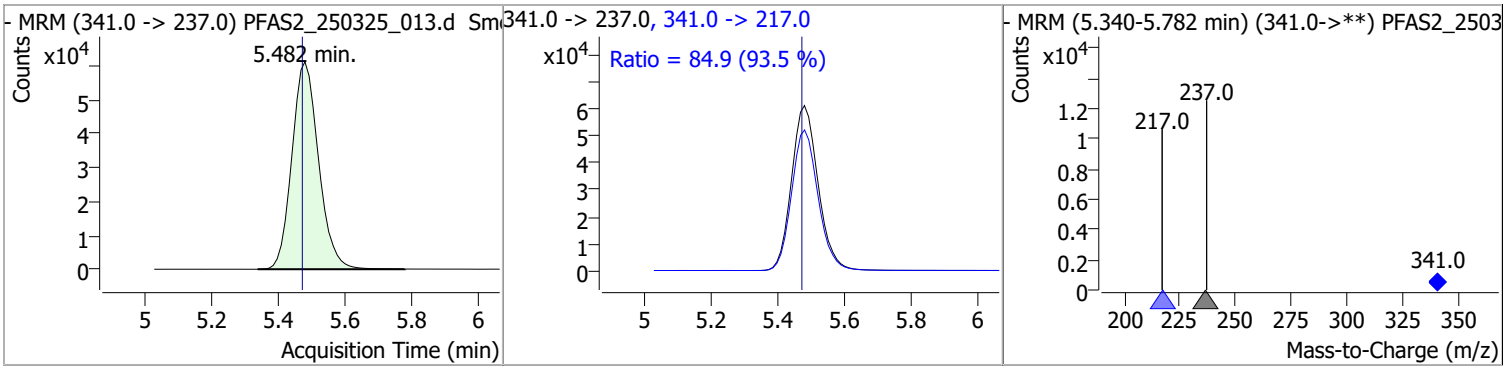
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4181	5.39	0.00	151034				



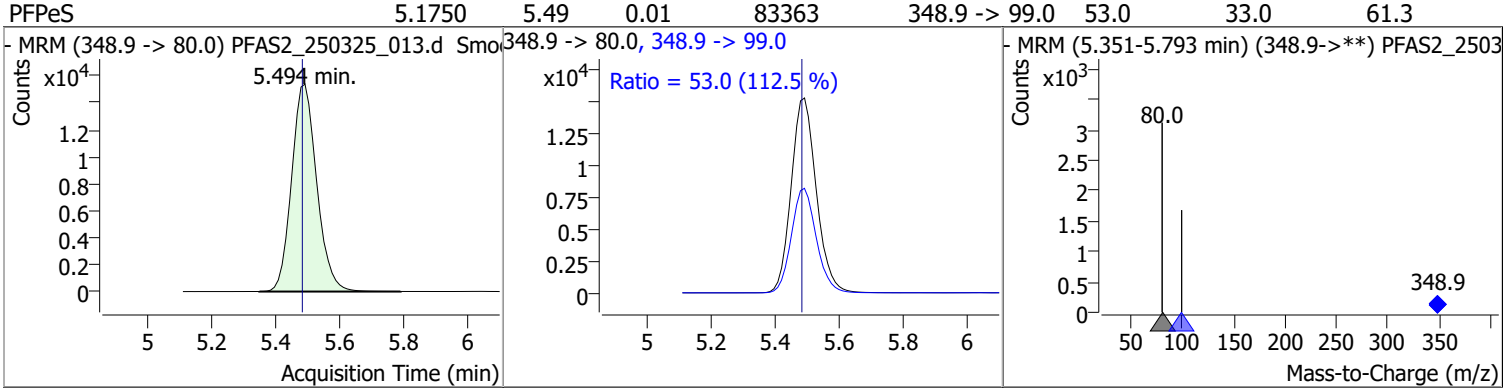
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	5.4183	5.39	0.00	315565	363.0 -> 169.0	16.0	11.8	21.9



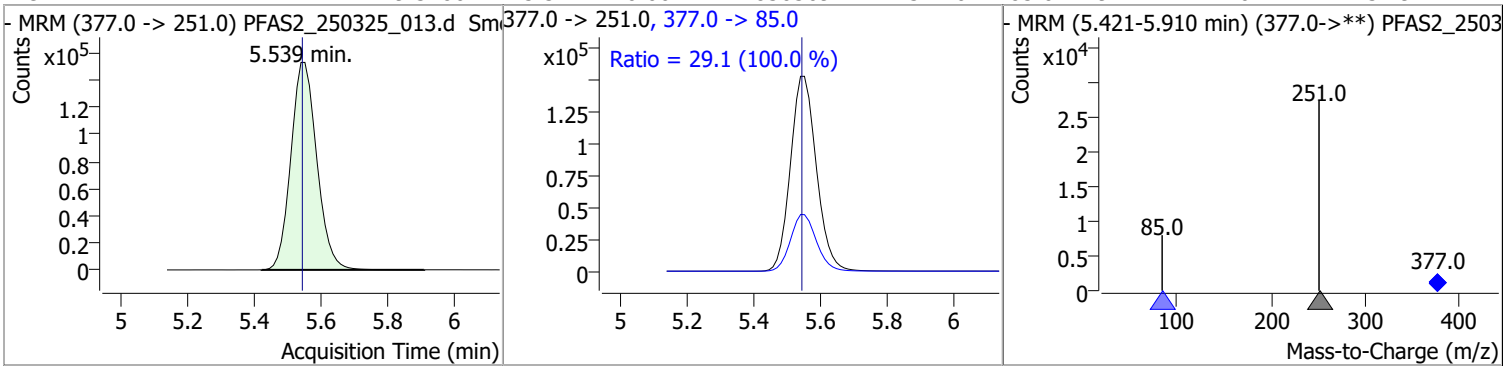
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	90.4786	5.48	0.01	339698	341.0 -> 217.0	84.9	63.6	118.1



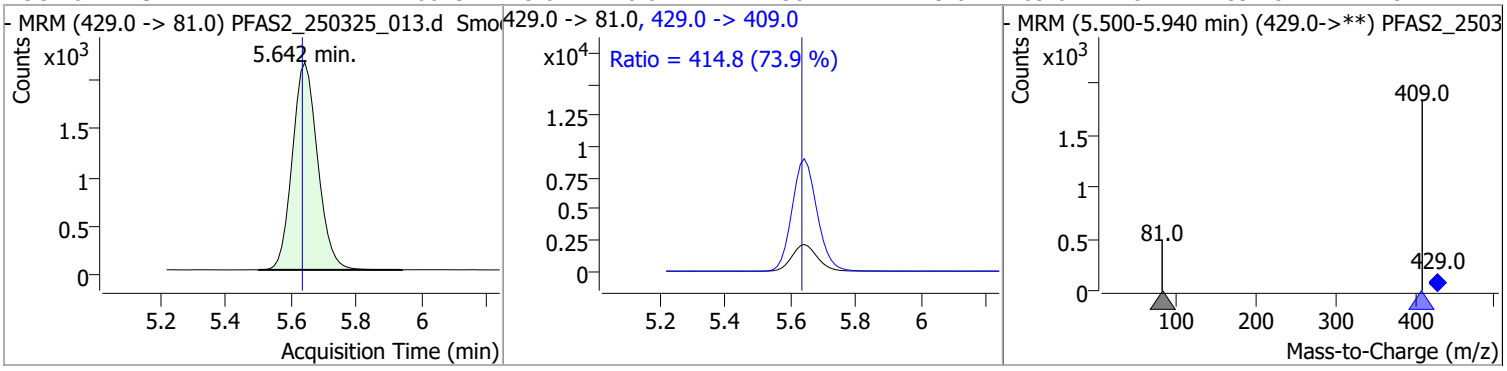
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	5.1750	5.49	0.01	83363	348.9 -> 99.0	53.0	33.0	61.3



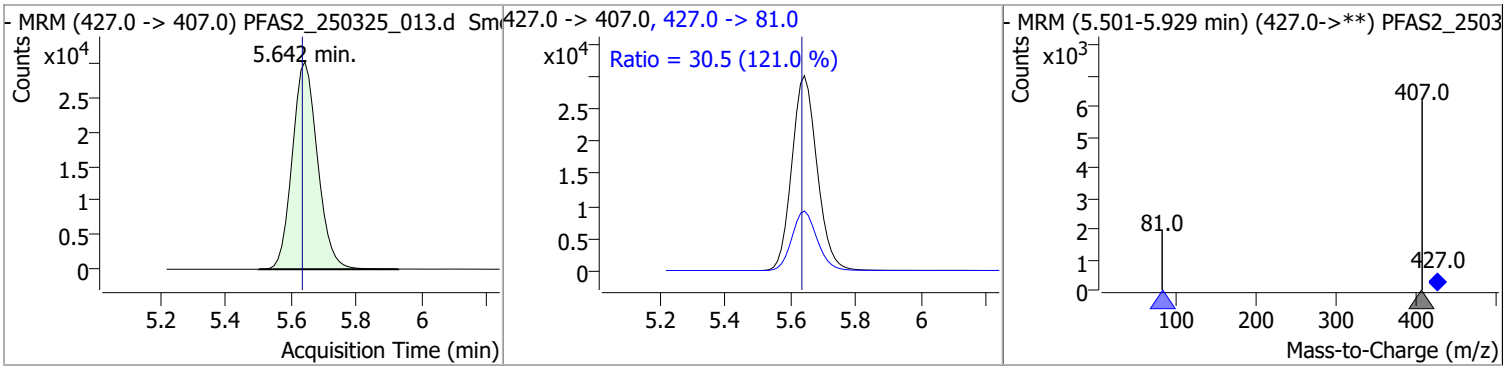
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.3480	5.54	0.00	830309	377.0 -> 85.0	29.1	20.4	37.9



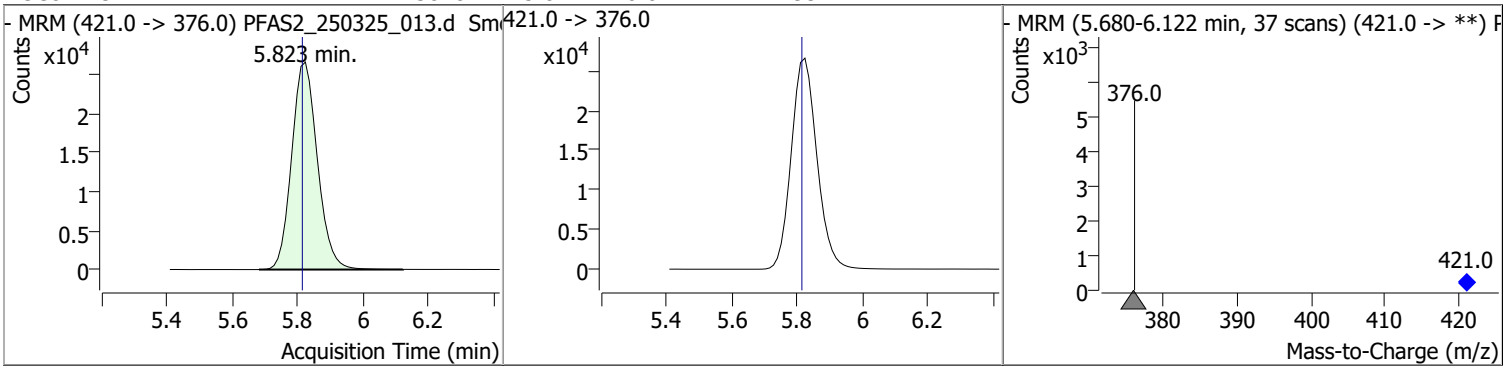
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6043	5.64	0.01	11504	429.0 -> 409.0	414.8	392.8	729.4



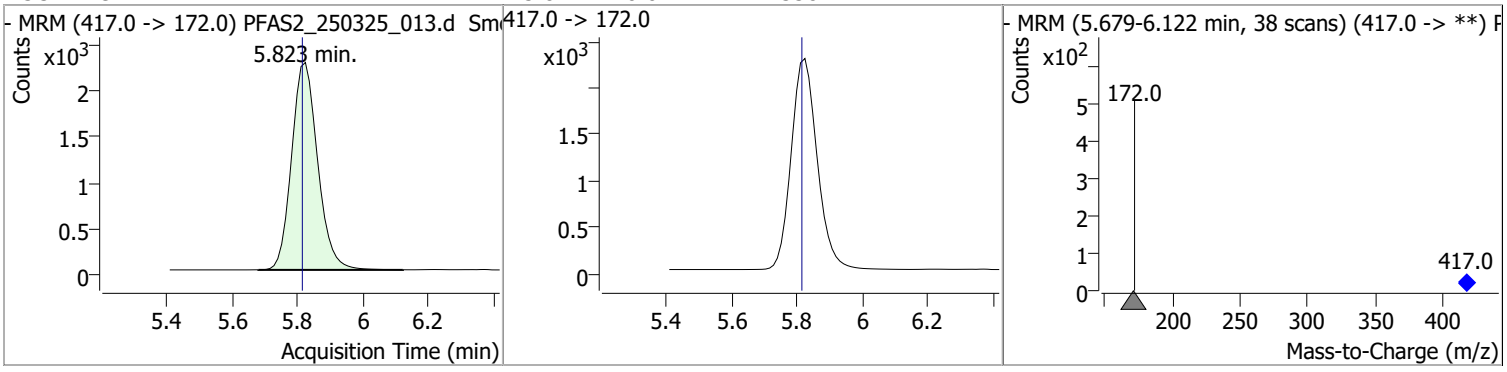
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	20.1937	5.64	0.01	161592	427.0 -> 81.0	30.5	17.7	32.8



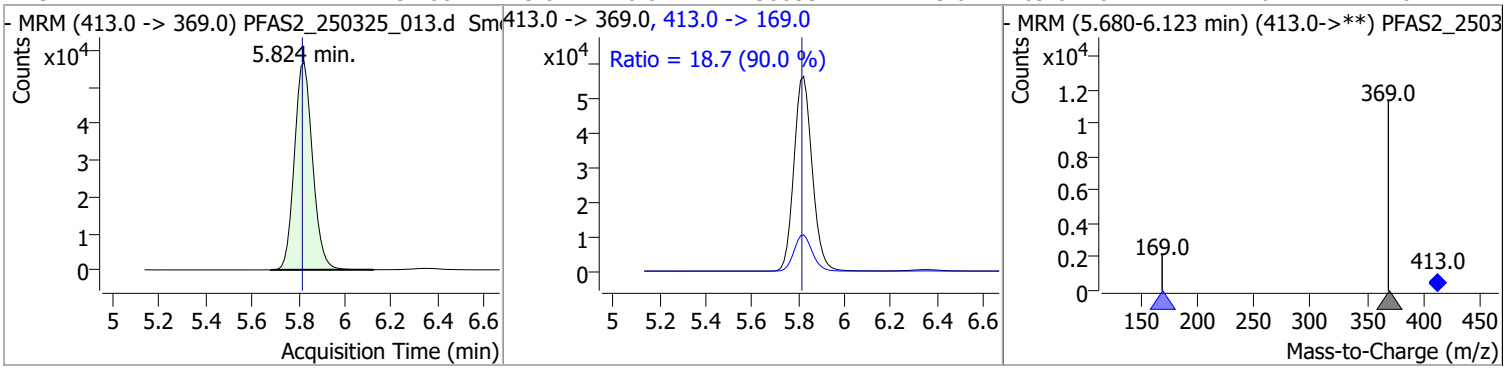
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5818	5.82	0.01	144994				



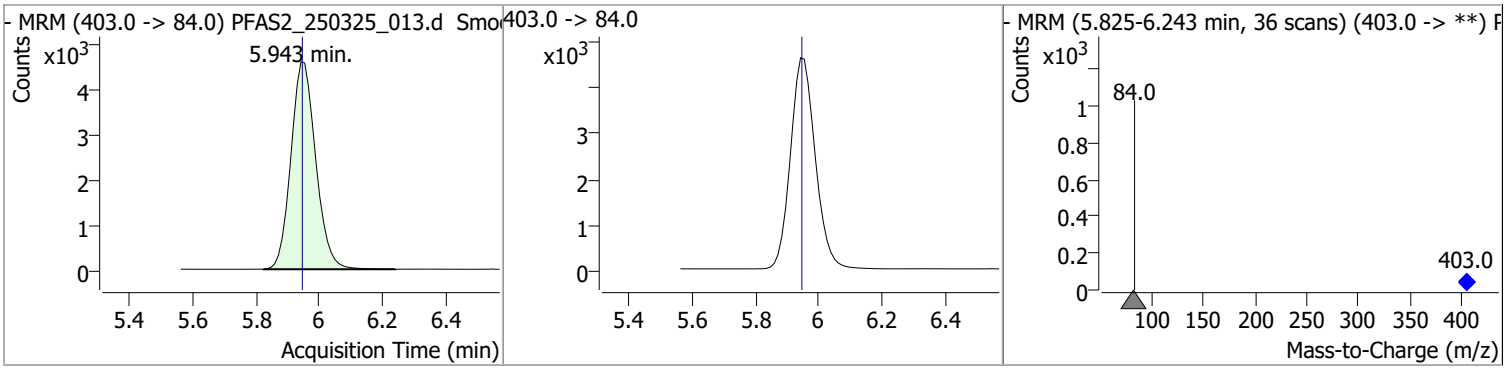
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	12558				



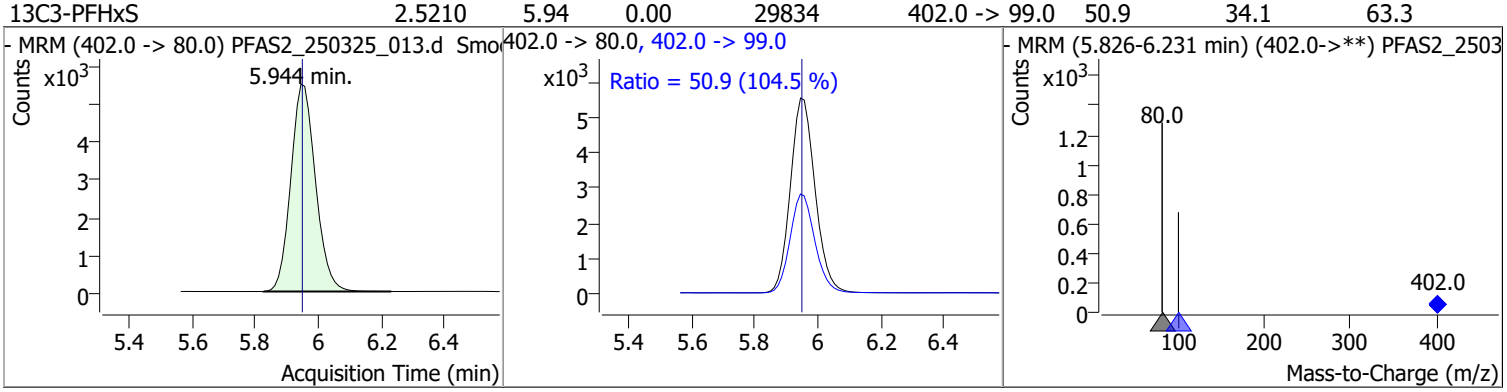
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	5.4001	5.82	0.01	308531	413.0 -> 169.0	18.7	14.6	27.0



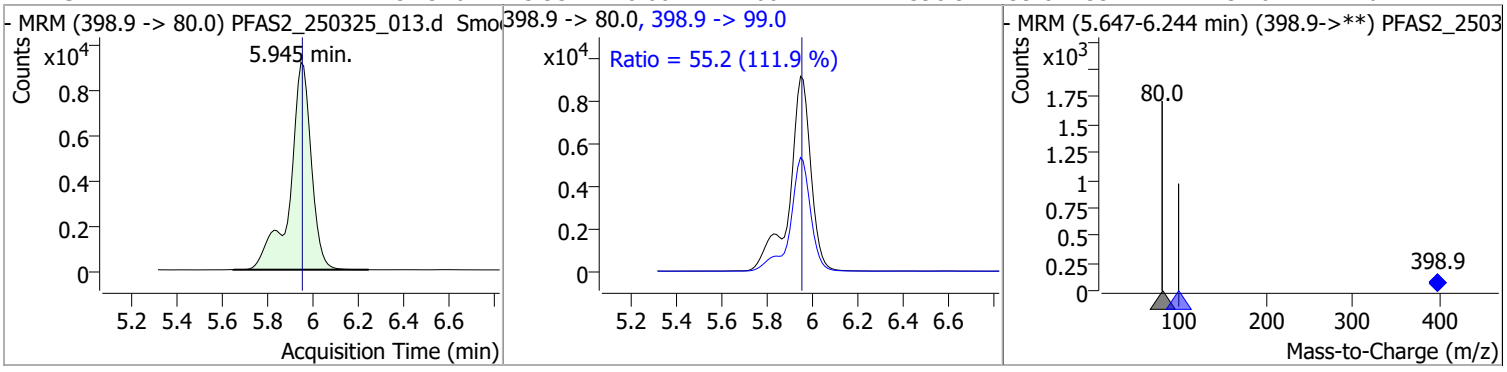
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	25090				



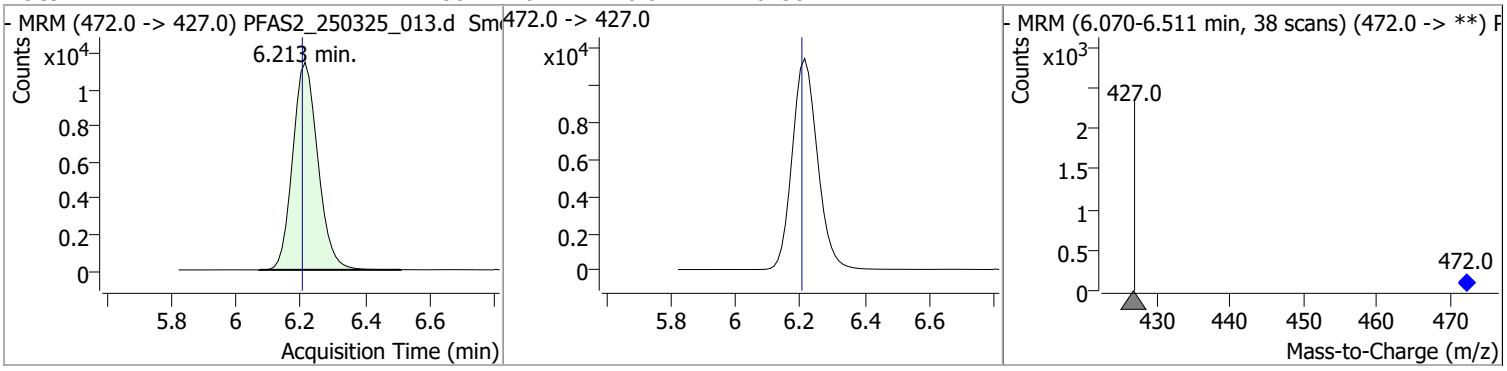
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5210	5.94	0.00	29834	402.0 -> 99.0	50.9	34.1	63.3



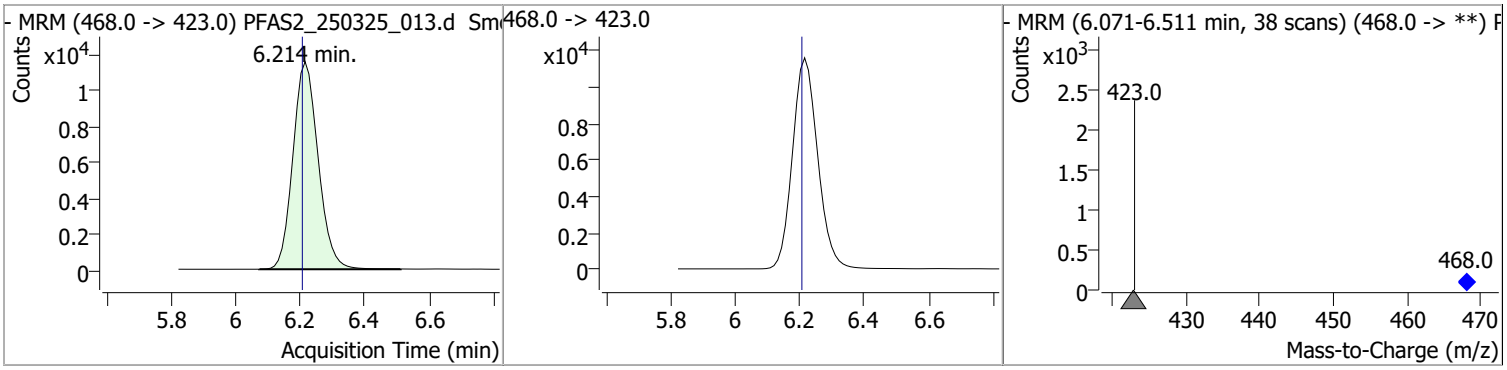
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	5.1916	5.95	0.00	60244	398.9 -> 99.0	55.2	34.6	64.2



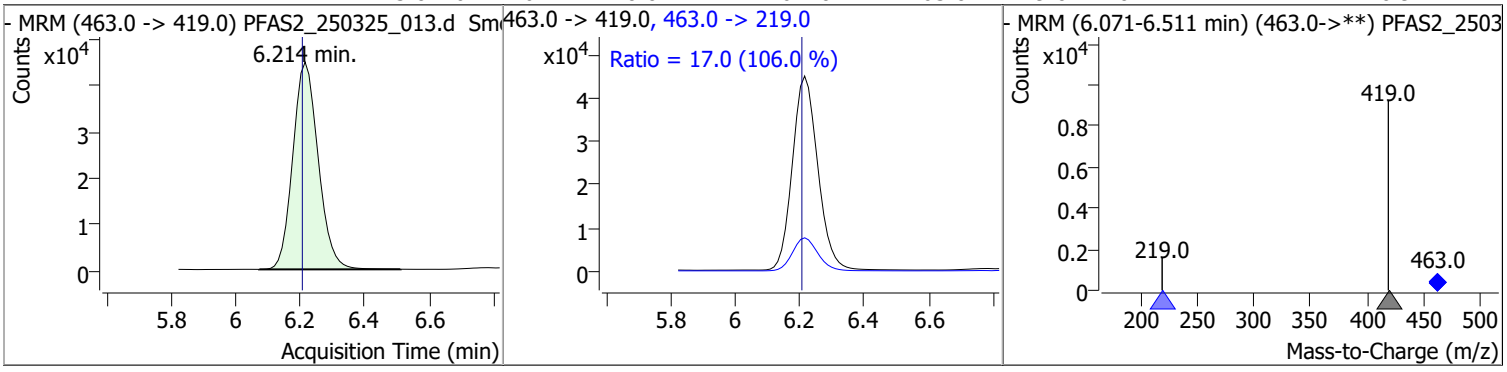
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2450	6.21	0.01	62302				



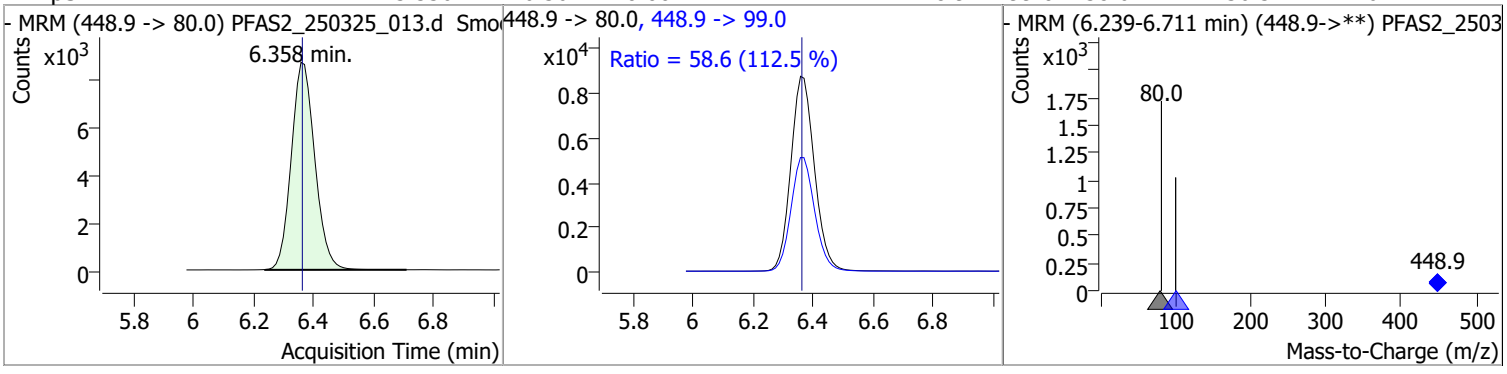
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	63150				



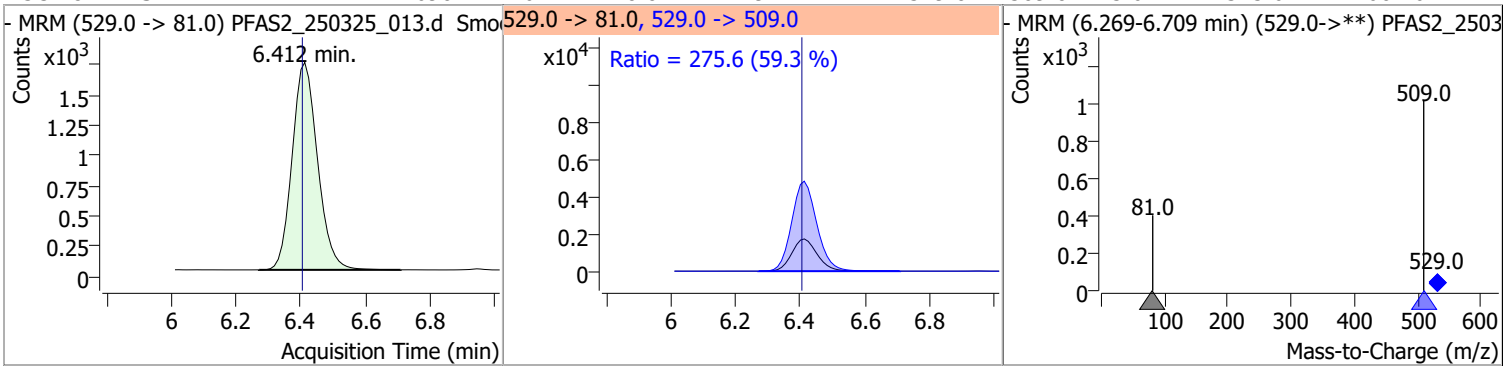
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	5.0726	6.21	0.01	246420	463.0 -> 219.0	17.0	11.2	20.9



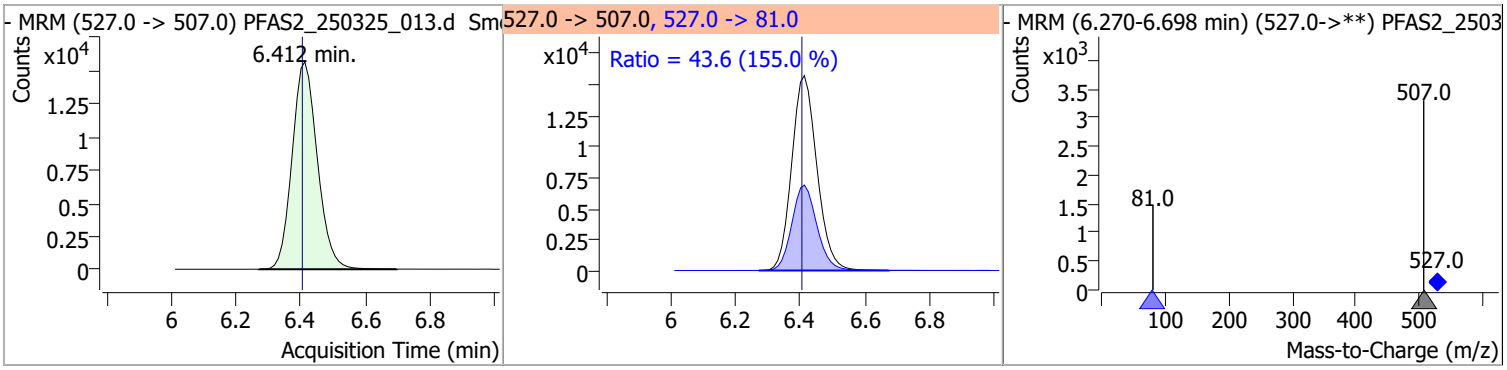
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	5.5367	6.36	0.00	47442	448.9 -> 99.0	58.6	36.5	67.7



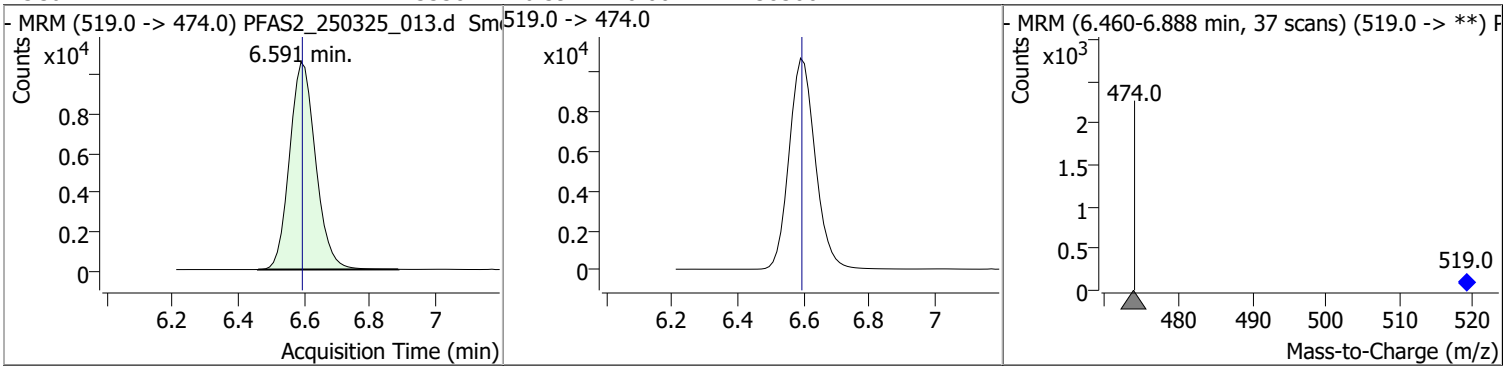
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.6902	6.41	0.01	9422	529.0 -> 509.0	275.6	325.6	604.6



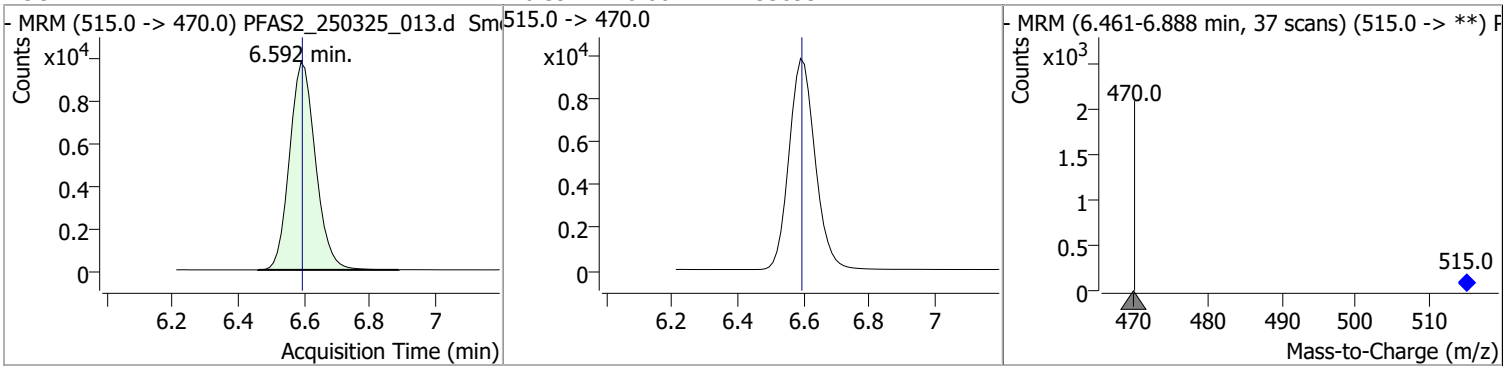
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	20.1715	6.41	0.01	84982	527.0 -> 81.0	43.6	19.7	36.6



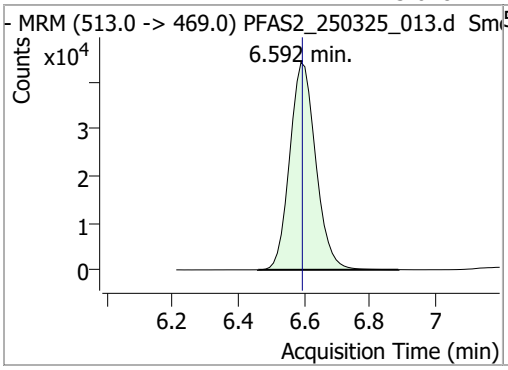
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3338	6.59	0.00	58500				

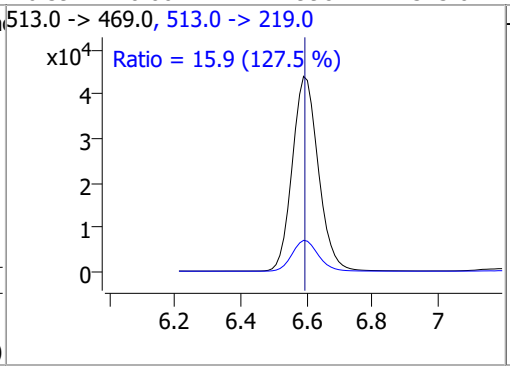


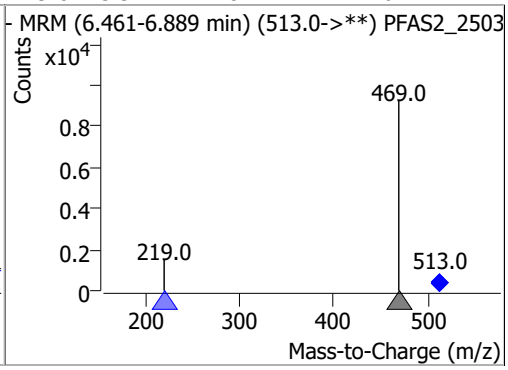
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	53899				



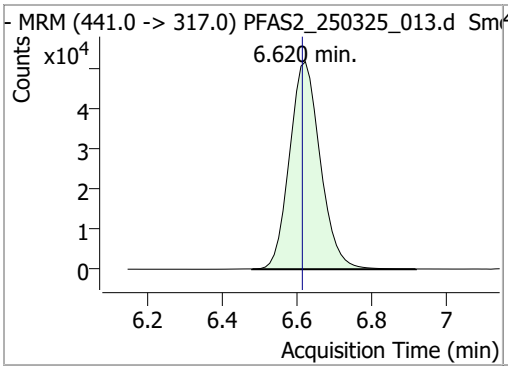
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	5.6184	6.59	0.00	241998	513.0 -> 219.0	15.9	8.7	16.2

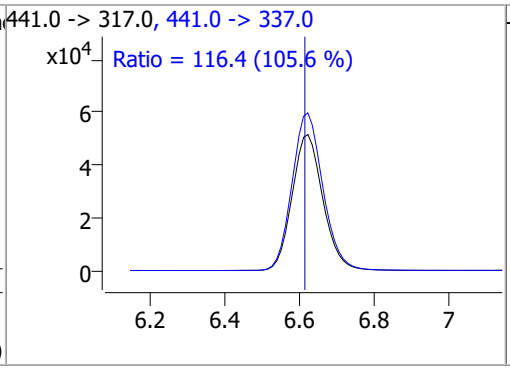


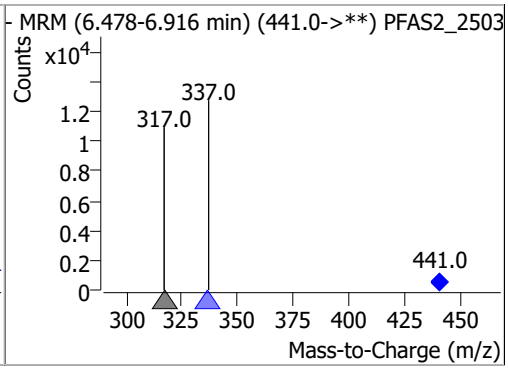




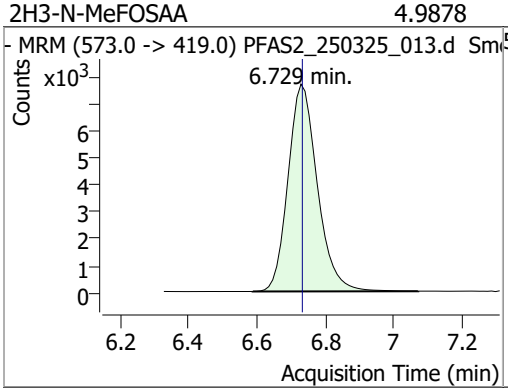
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	103.2980	6.62	0.01	295441	441.0 -> 337.0	116.4	77.1	143.3

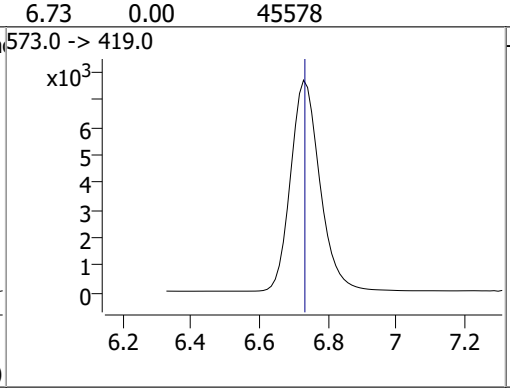


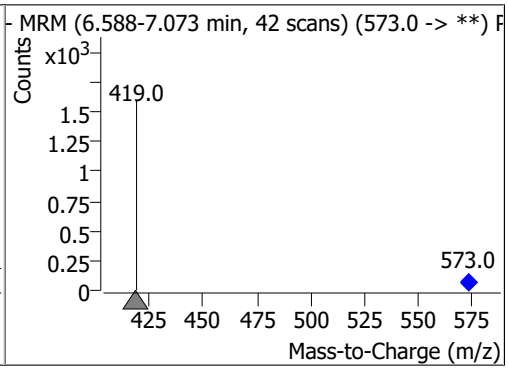




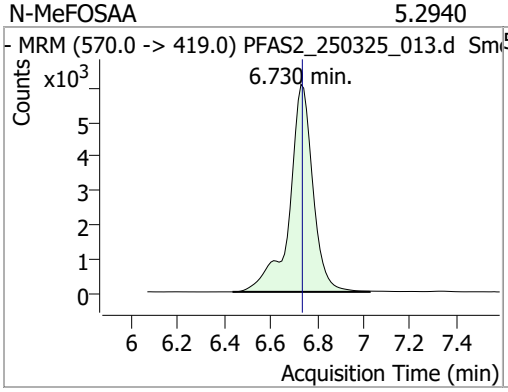
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9878	6.73	0.00	45578				

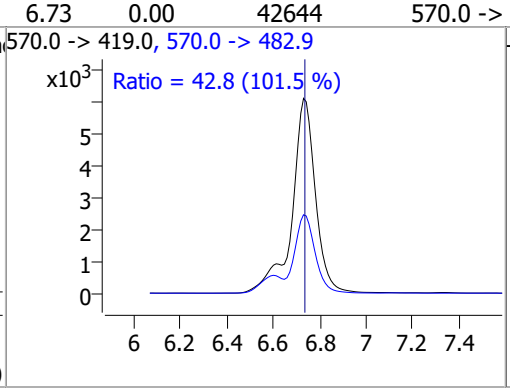


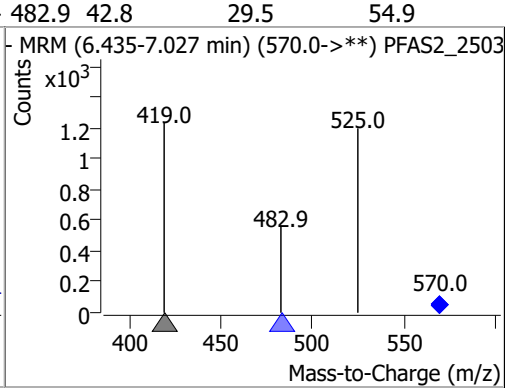




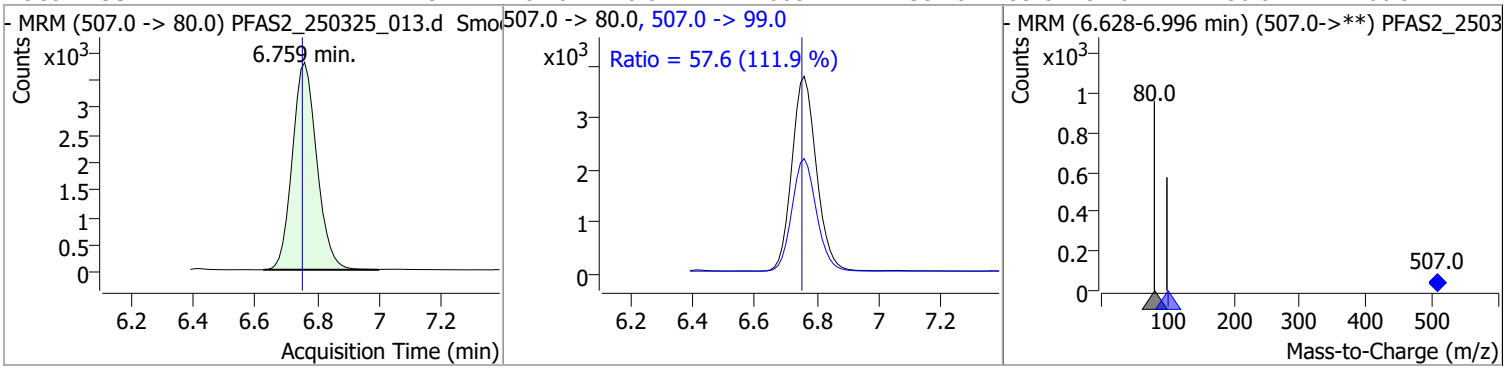
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	5.2940	6.73	0.00	42644	570.0 -> 482.9	42.8	29.5	54.9



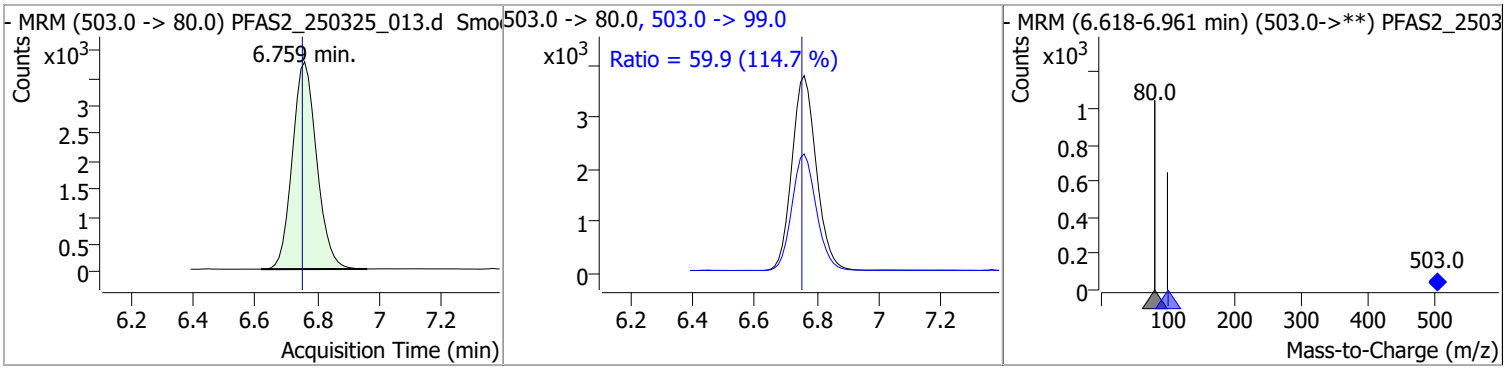




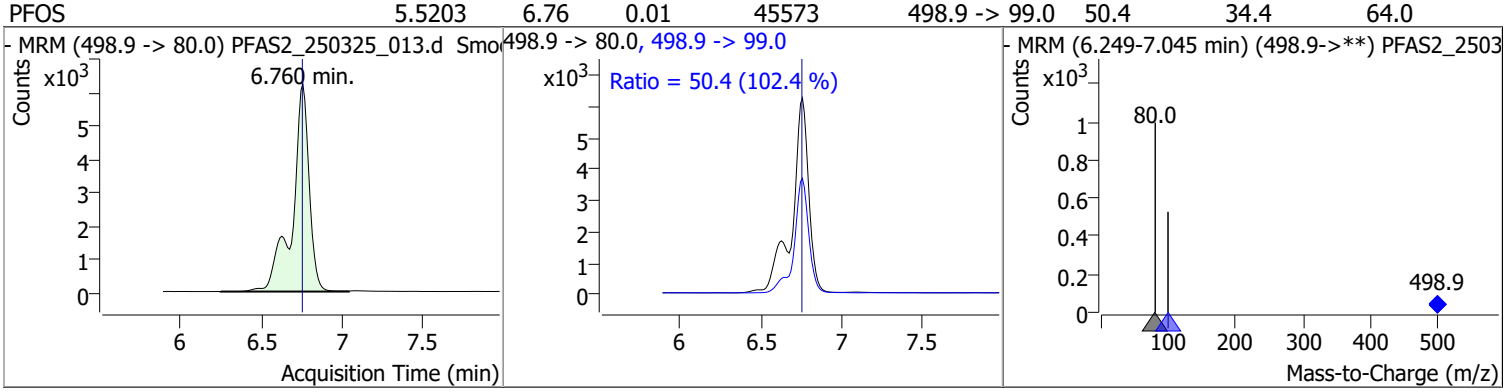
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4924	6.76	0.01	20601	507.0 -> 99.0	57.6	36.0	66.9



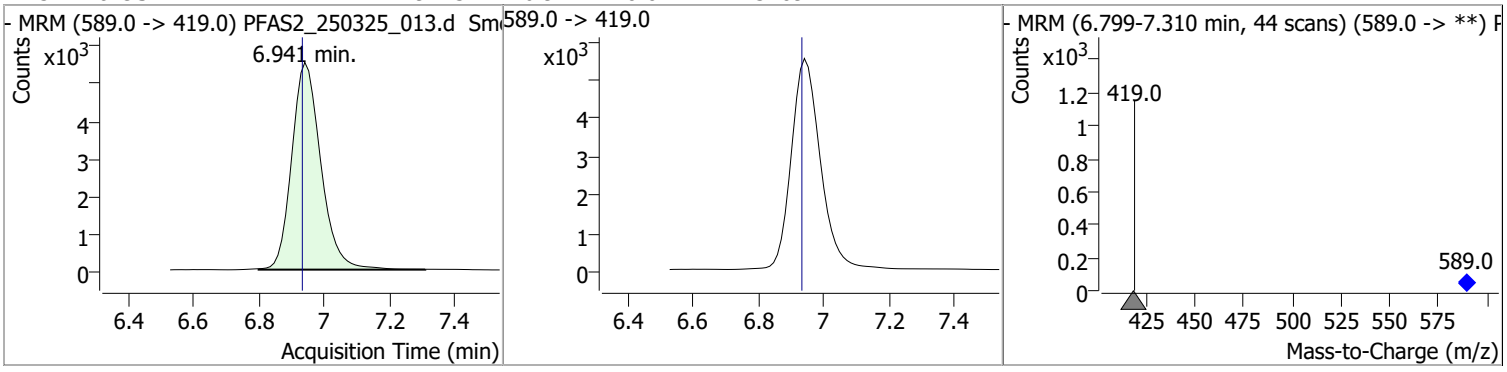
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	20366	503.0 -> 99.0	59.9	36.6	67.9



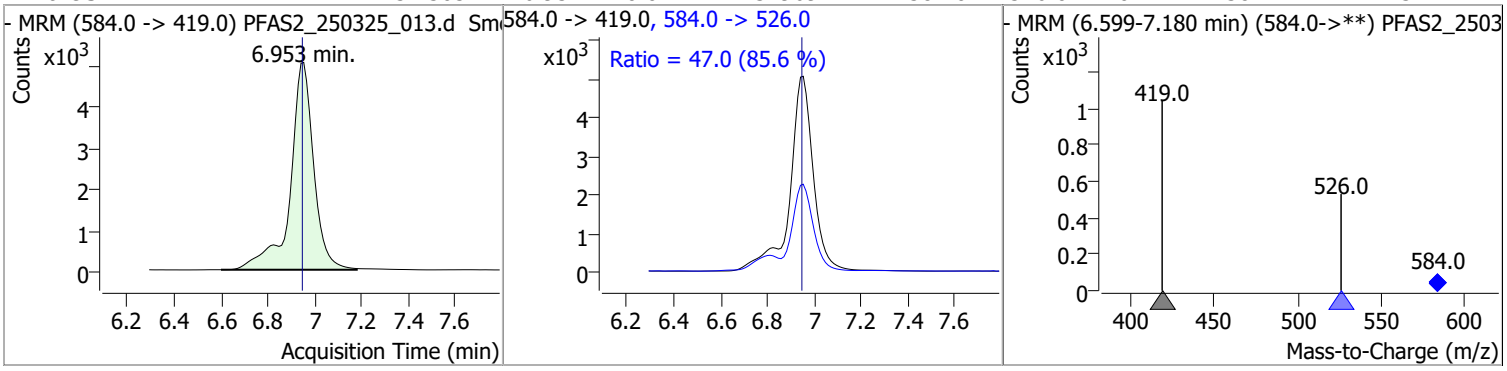
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	5.5203	6.76	0.01	45573	498.9 -> 99.0	50.4	34.4	64.0



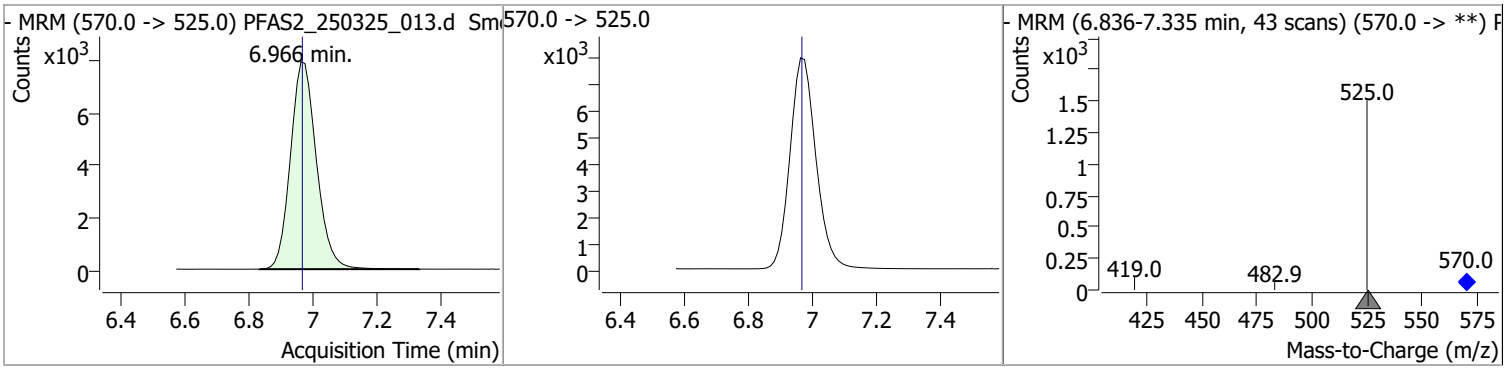
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9423	6.94	0.01	34097				



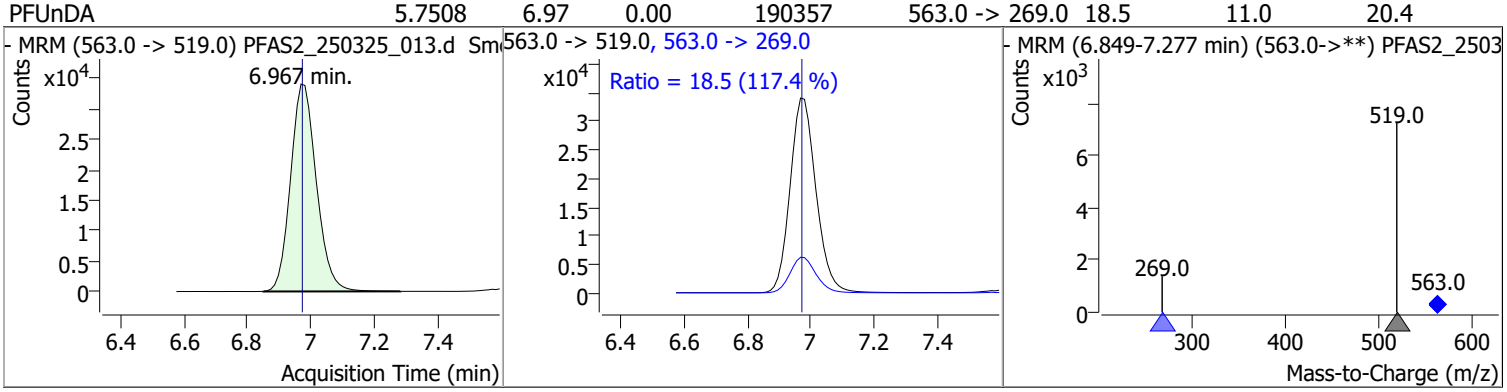
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	5.4305	6.95	0.01	34969	584.0 -> 526.0	47.0	38.4	71.3



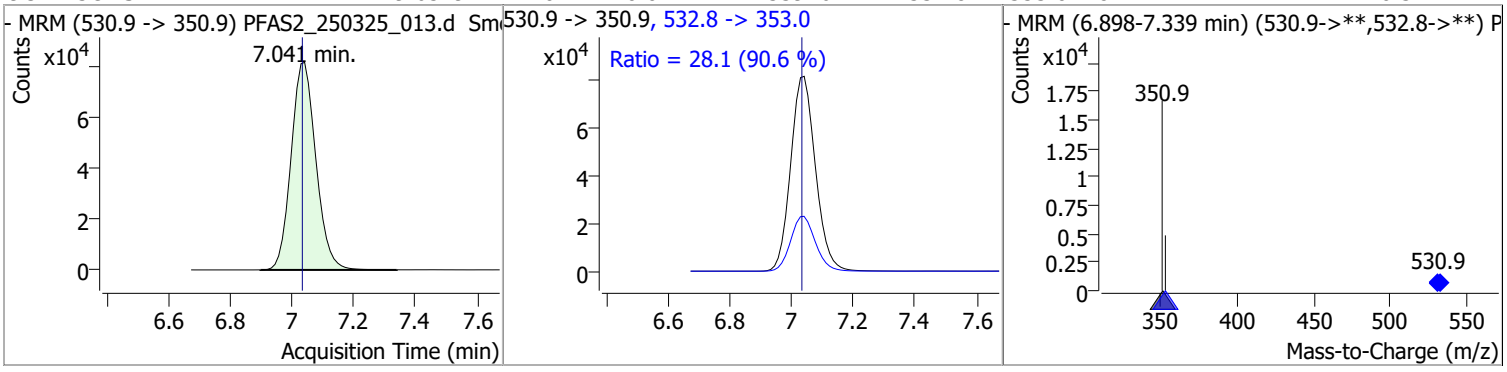
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2886	6.97	0.00	44541				



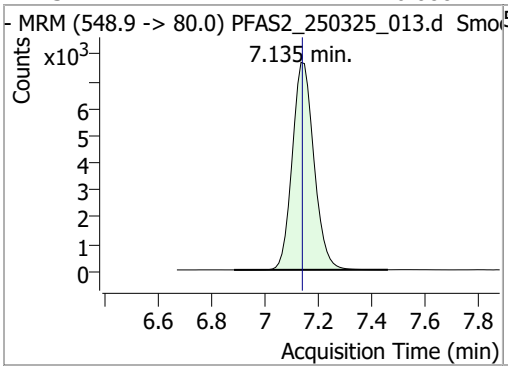
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	5.7508	6.97	0.00	190357	563.0 -> 269.0	18.5	11.0	20.4

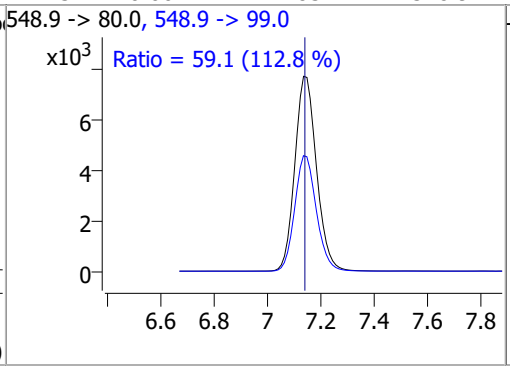


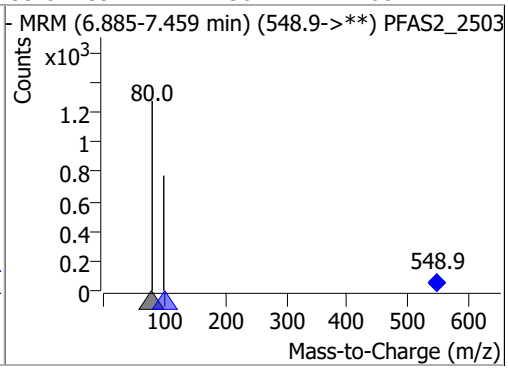
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	9.6519	7.04	0.01	453916	532.8 -> 353.0	28.1	21.7	40.3



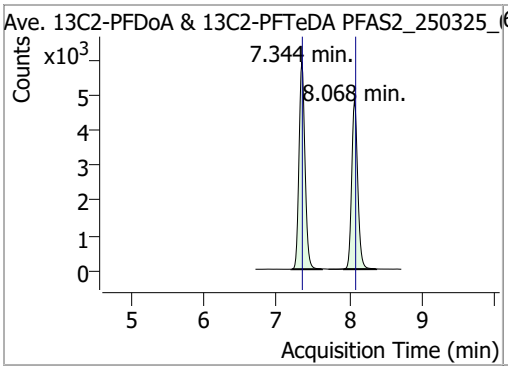
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	6.0881	7.13	0.00	42783	548.9 -> 99.0	59.1	36.7	68.1

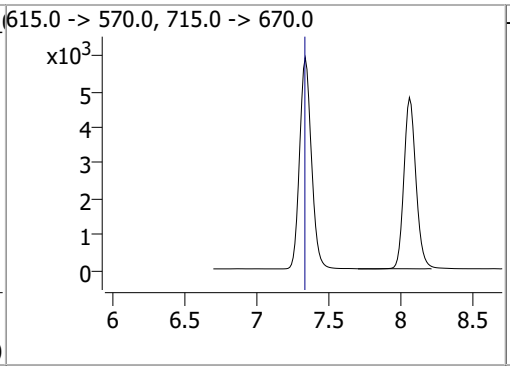


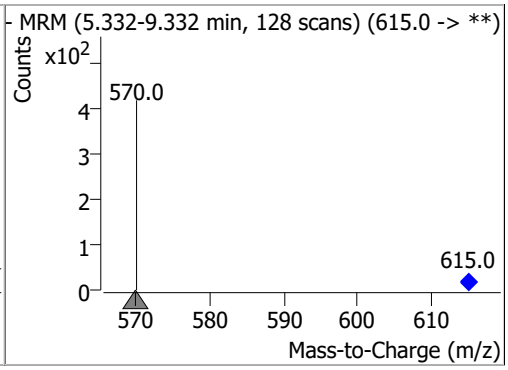




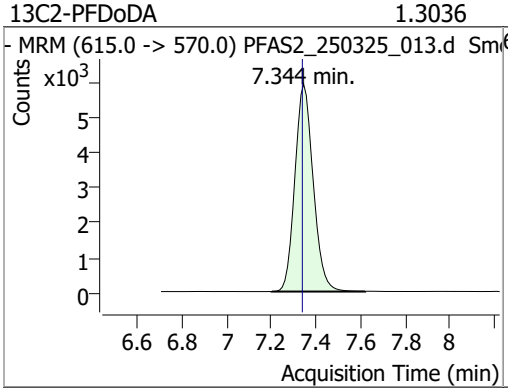
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0782	7.71	0.37	30719				

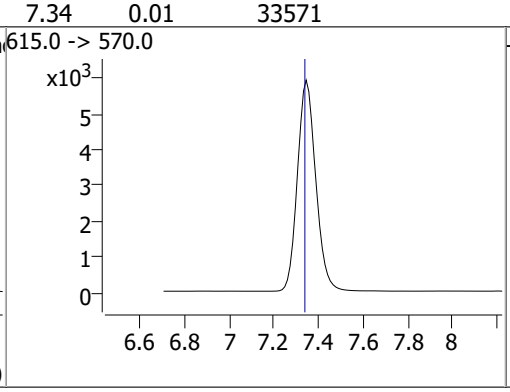


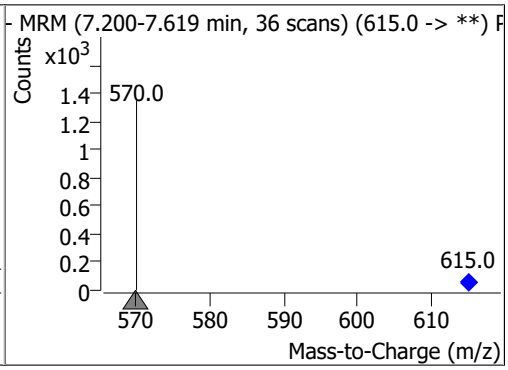




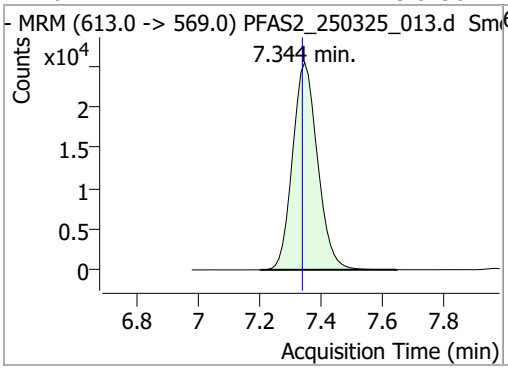
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3036	7.34	0.01	33571				

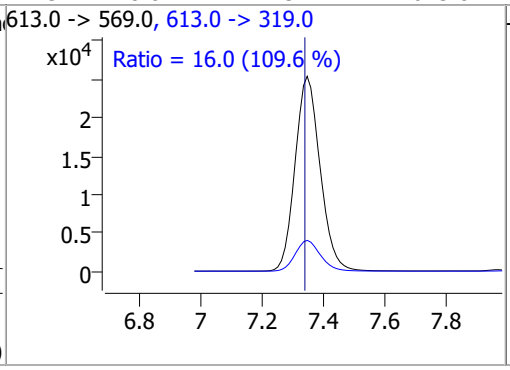


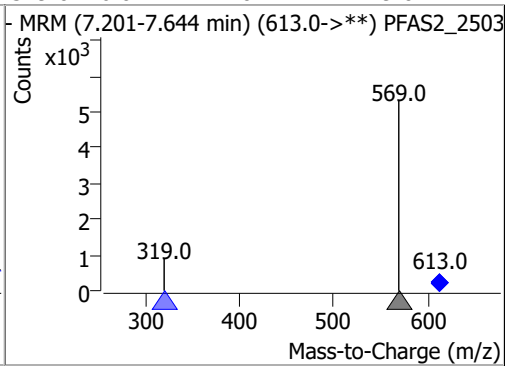




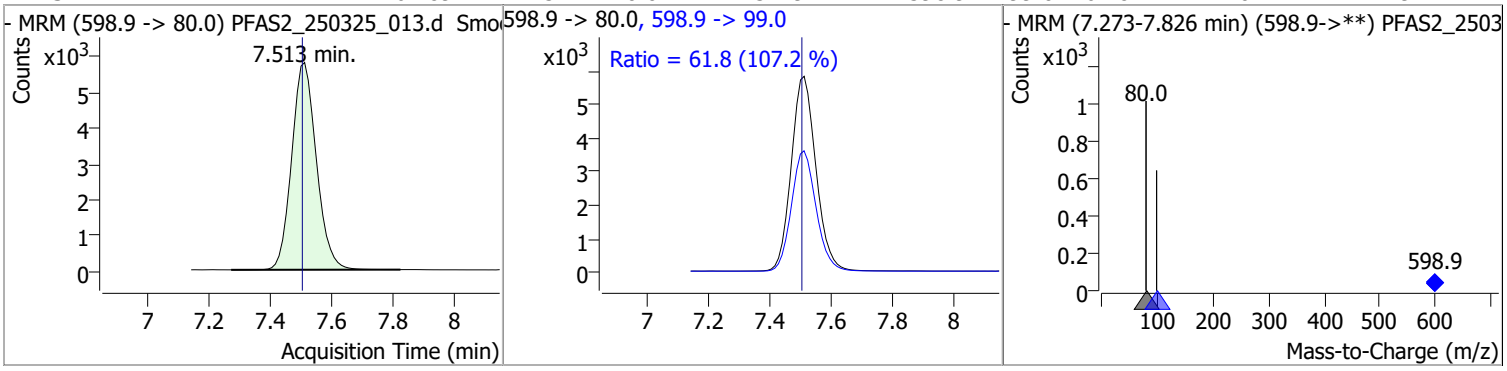
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	5.8196	7.34	0.01	143224	613.0 -> 319.0	16.0	10.2	19.0



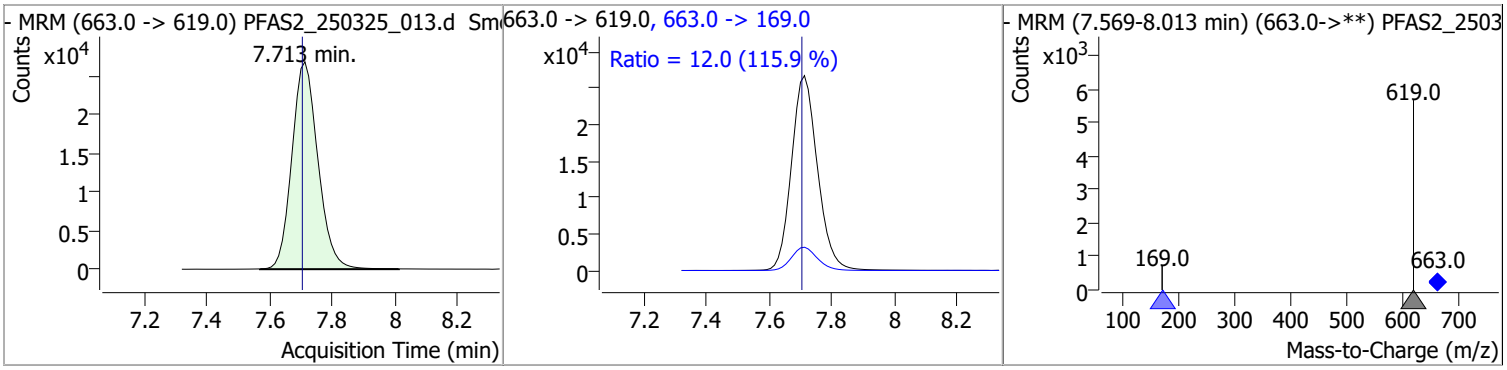




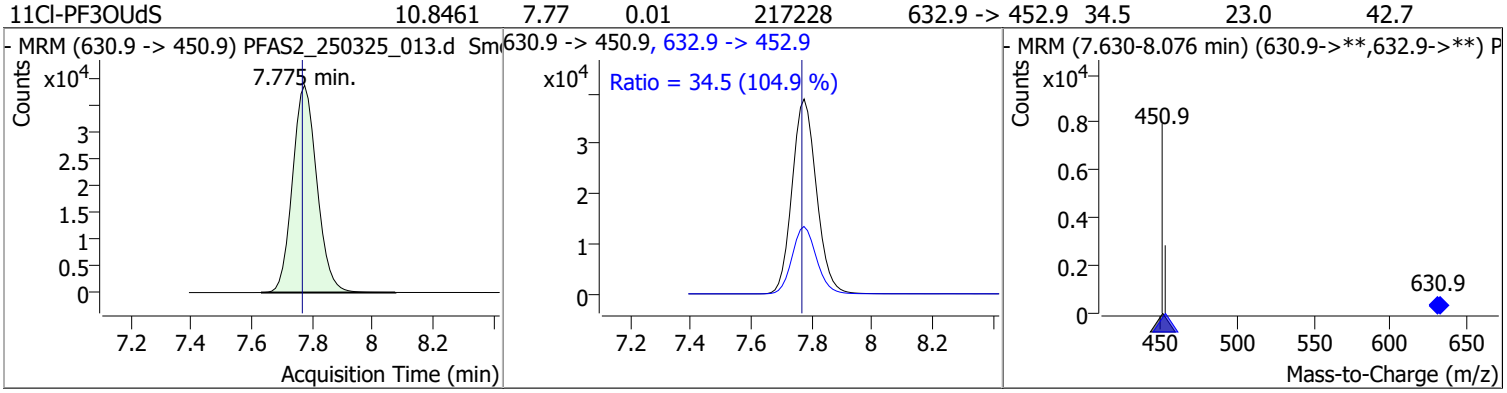
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	6.1891	7.51	0.01	32497	598.9 -> 99.0	61.8	40.4	74.9



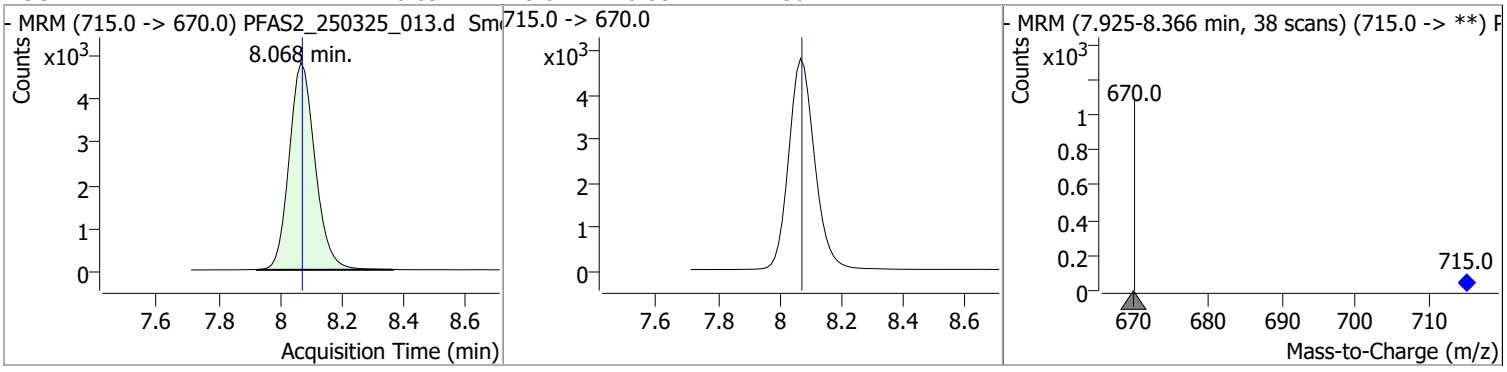
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	6.6692	7.71	0.01	154366	663.0 -> 169.0	12.0	7.2	13.4



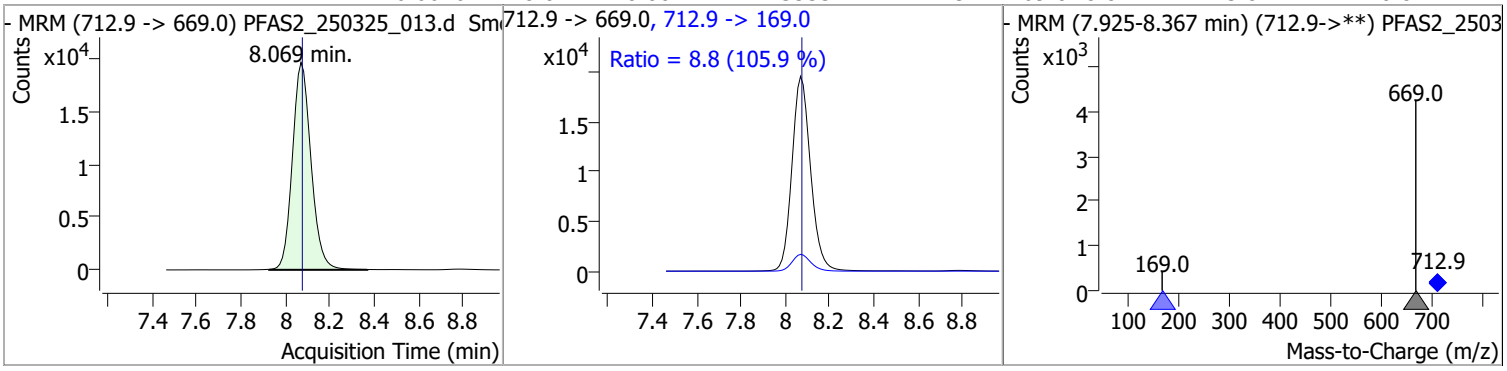
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	10.8461	7.77	0.01	217228	632.9 -> 452.9	34.5	23.0	42.7



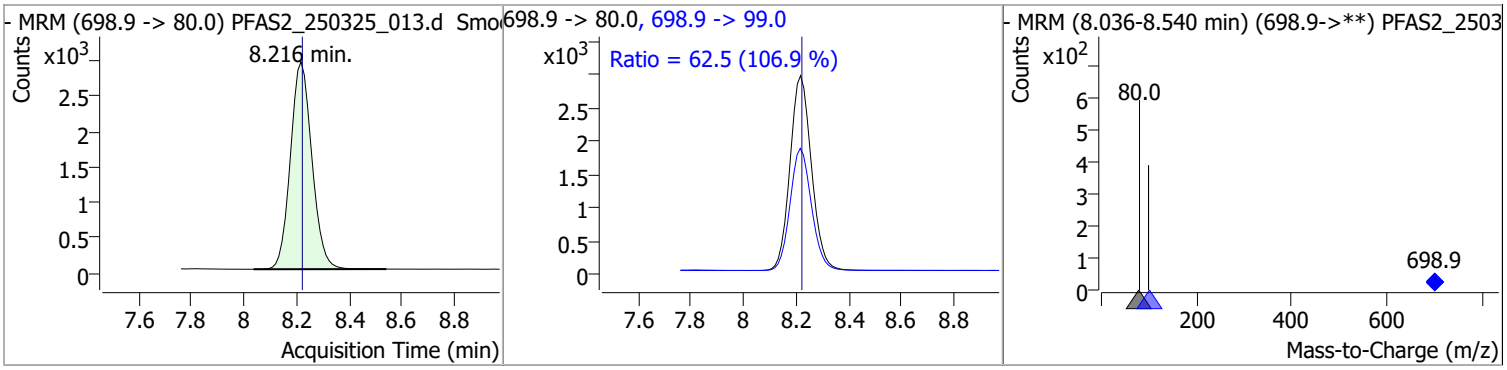
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8924	8.07	0.00	27867				



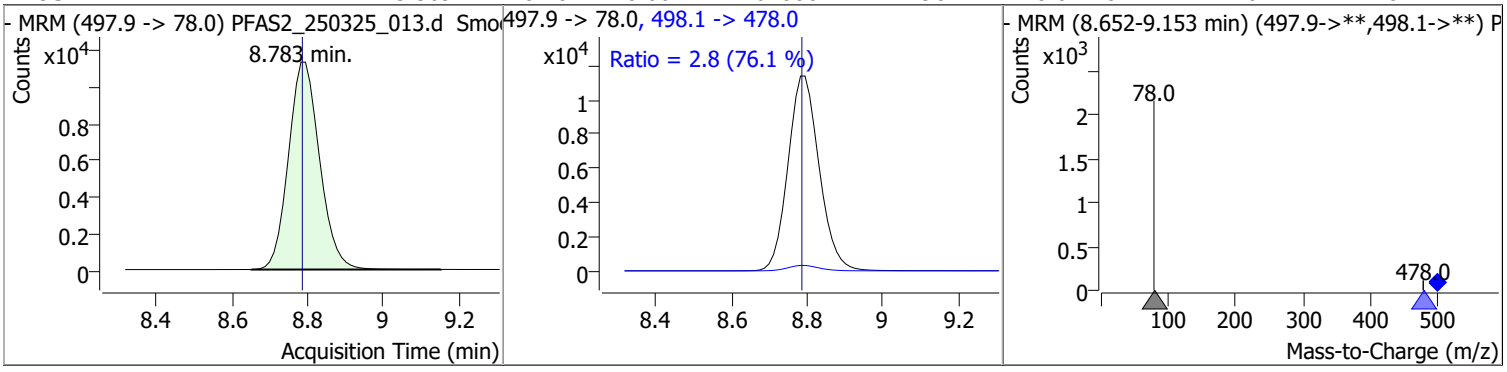
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	6.6616	8.07	0.00	113553	712.9 -> 169.0	8.8	5.8	10.8



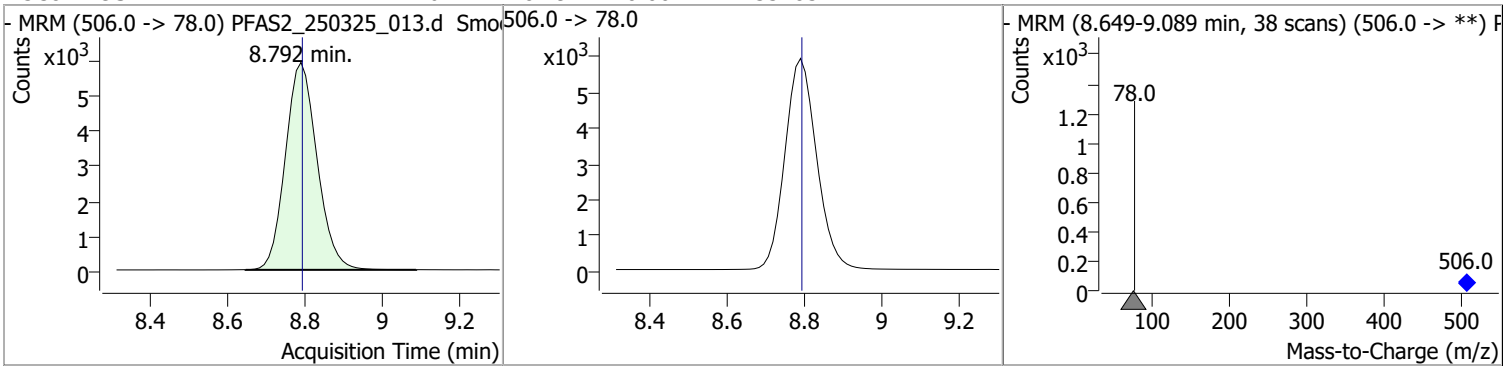
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	4.5103	8.22	0.00	16560	698.9 -> 99.0	62.5	41.0	76.1



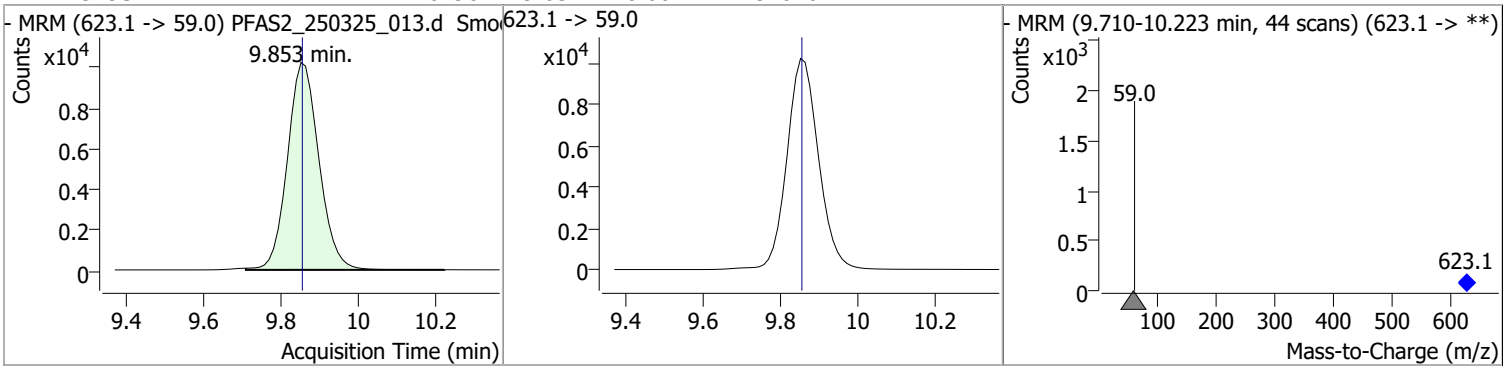
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	5.5692	8.78	0.00	64808	498.1 -> 478.0	2.8	2.6	4.8



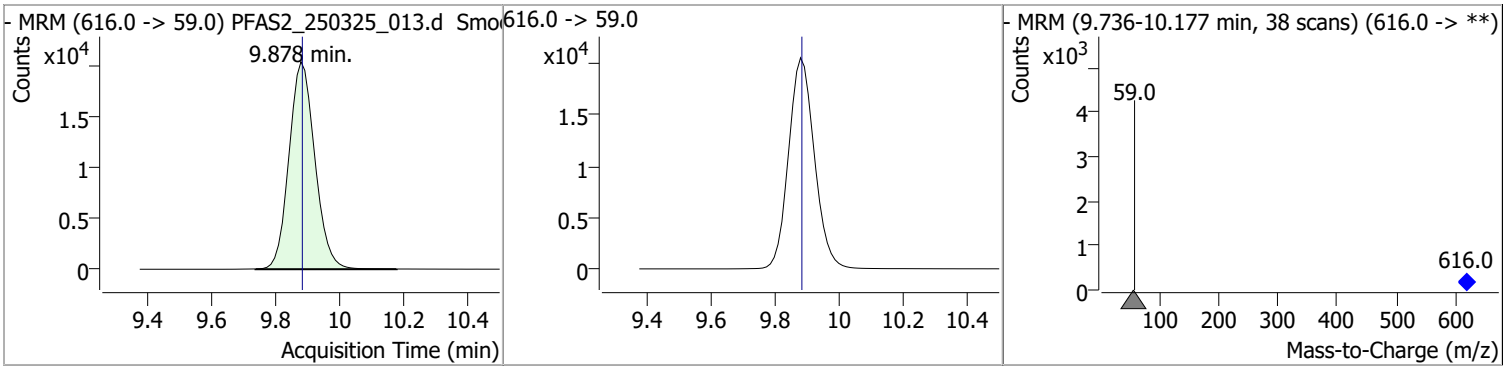
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.7644	8.79	0.00	33483				



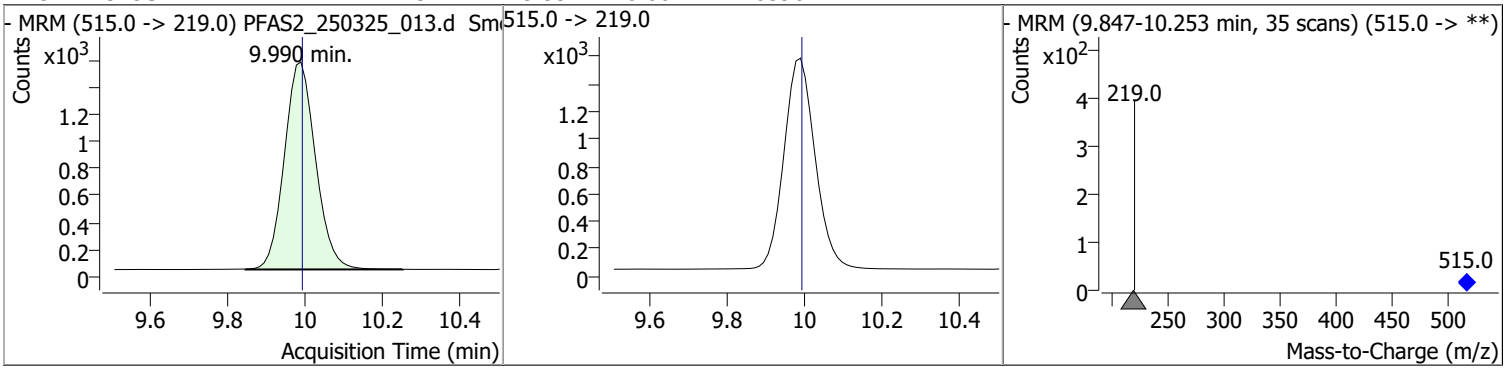
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	14.0798	9.85	0.00	57810				



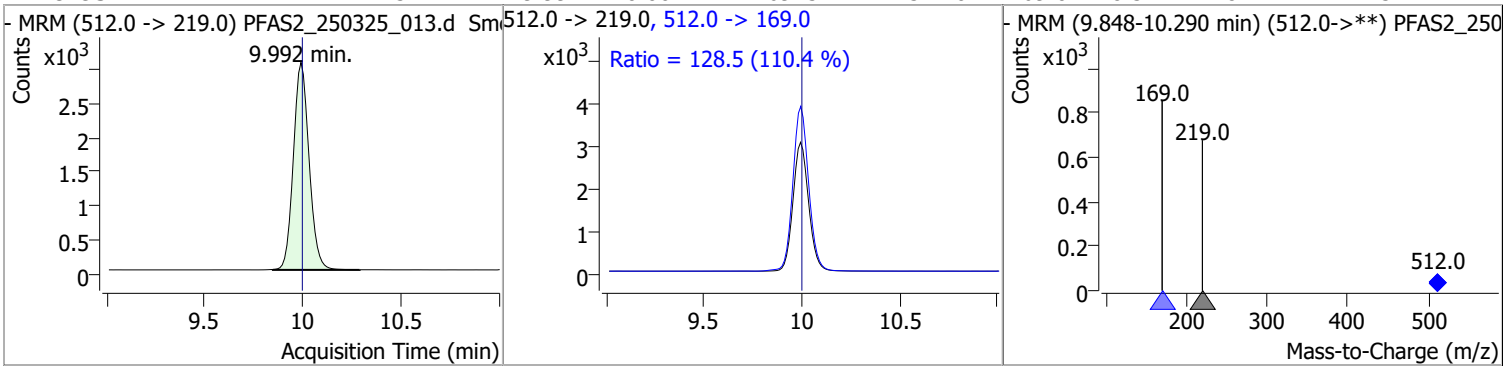
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	65.9851	9.88	0.00	114413				



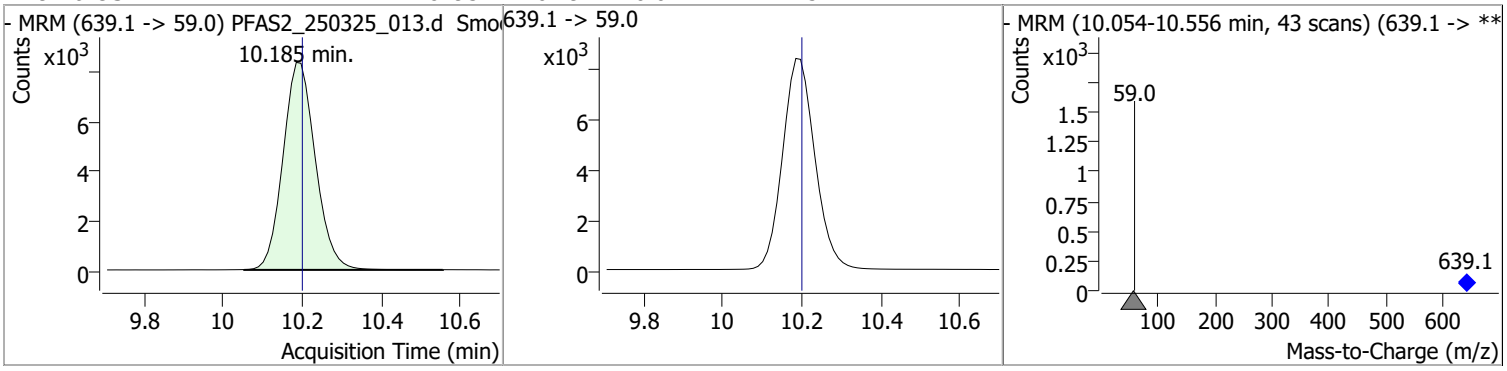
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5272	9.99	0.00	8590				



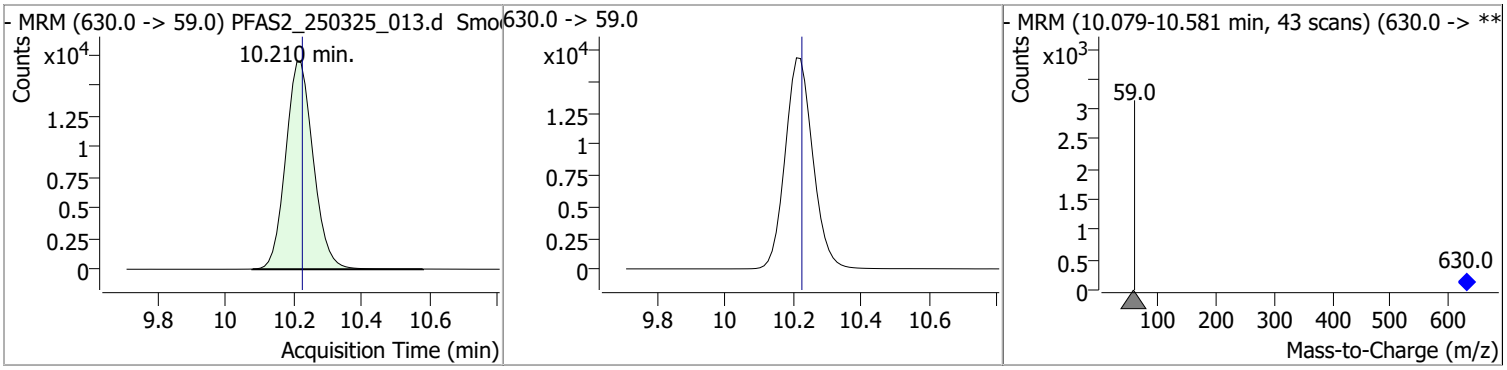
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	5.2447	9.99	0.00	16945	512.0 -> 169.0	128.5	81.4	151.2



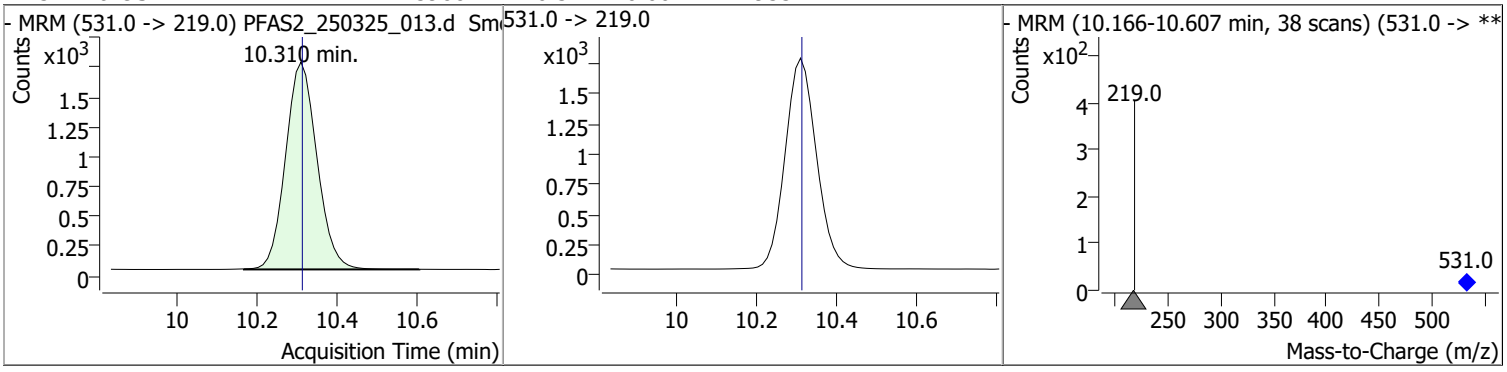
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.8493	10.19	-0.01	47475				



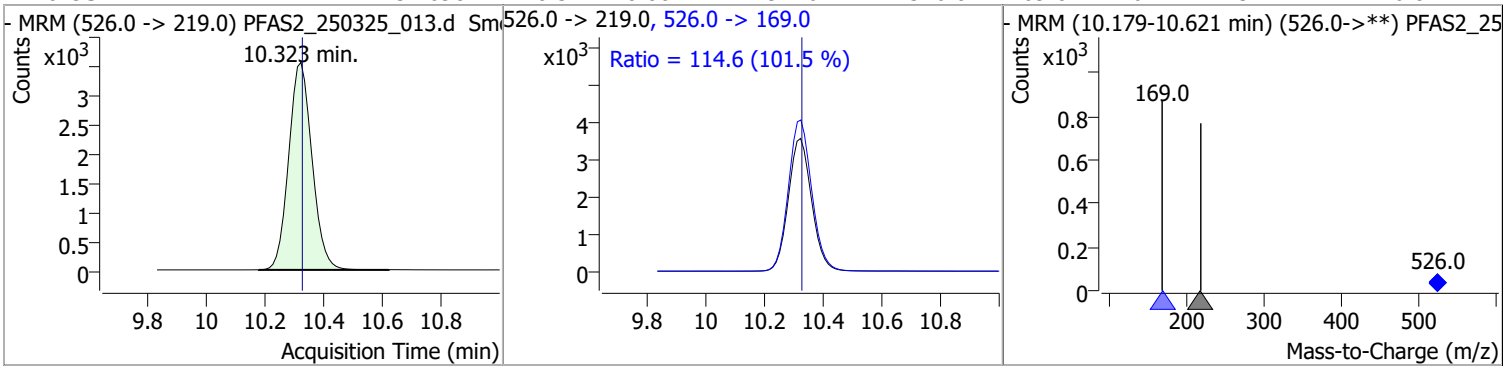
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	56.2793	10.21	-0.01	95309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5988	10.31	0.00	9552				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	5.2698	10.32	0.00	19416	526.0 -> 169.0	114.6	79.1	146.8



EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
Blank (B25C1367-BLK1) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 16:46		
13C4-PFBA	100	56	20 - 150	3.046783		3.0468	
13C5-PFPeA	50.0	103	20 - 150	4.221684		4.2217	
13C5-PFHxA	25.0	99	20 - 150	4.889117		4.8891	
13C4-PFHpA	25.0	107	20 - 150	5.38545		5.3855	
13C8-PFOA	25.0	102	20 - 150	5.809233		5.8092	
13C9-PFNA	12.5	100	20 - 150	6.213433		6.2134	
13C6-PFDA	12.5	107	20 - 150	6.591217		6.5912	
13C7-PFUnA	12.5	107	20 - 150	6.965583		6.9656	
13C2-PFDoA	12.5	113	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	89	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.5	68	20 - 150	8.067734		8.0677	
13C3-PFBS	25.0	100	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.0	98	20 - 150	5.944183		5.9442	
13C8-PFOS	25.0	104	20 - 150	6.758833		6.7588	
13C2-4:2FTS	50.0	122	20 - 150	4.697317		4.6973	
13C2-6:2FTS	50.0	114	20 - 150	5.641967		5.6420	
13C2-8:2FTS	50.0	100	20 - 150	6.411817		6.4118	
13C8-PFOSA	25.0	102	20 - 150	8.7915		8.7915	
D3-NMeFOSA	25.0	97	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	100	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	102	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	50.0	99	20 - 150	6.9406		6.9406	
D7-NMeFOSE	250	53	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	88	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	100	102	20 - 150	5.073967		5.0740	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25C1367-BS1) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 17:04		
13C4-PFBA	100	54	20 - 150	3.046783		3.0468	
13C5-PFPeA	50.0	100	20 - 150	4.221684		4.2217	
13C5-PFHxA	25.0	96	20 - 150	4.889117		4.8891	
13C4-PFHpA	25.0	102	20 - 150	5.38545		5.3855	
13C8-PFOA	25.0	100	20 - 150	5.822767		5.8228	
13C9-PFNA	12.5	101	20 - 150	6.213433		6.2134	
13C6-PFDA	12.5	103	20 - 150	6.591217		6.5912	
13C7-PFUnA	12.5	107	20 - 150	6.965583		6.9656	
13C2-PFDoA	12.5	114	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	94	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.5	78	20 - 150	8.067734		8.0677	
13C3-PFBS	25.0	93	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.0	95	20 - 150	5.944183		5.9442	
13C8-PFOS	25.0	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	50.0	115	20 - 150	4.697317		4.6973	
13C2-6:2FTS	50.0	110	20 - 150	5.641967		5.6420	
13C2-8:2FTS	50.0	101	20 - 150	6.411817		6.4118	
13C8-PFOSA	25.0	105	20 - 150	8.7915		8.7915	
D3-NMeFOSA	25.0	92	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	96	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	98	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	50.0	99	20 - 150	6.9406		6.9406	
D7-NMeFOSE	250	52	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	89	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	100	104	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25C1367-BS2) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 17:24		
13C4-PFBA	100	49	20 - 150	3.058767		3.0588	
13C5-PFPeA	50.0	97	20 - 150	4.233634		4.2336	
13C5-PFHxA	25.0	96	20 - 150	4.889117		4.8891	
13C4-PFHpA	25.0	97	20 - 150	5.38545		5.3855	
13C8-PFOA	25.0	103	20 - 150	5.822767		5.8228	
13C9-PFNA	12.5	100	20 - 150	6.213433		6.2134	
13C6-PFDA	12.5	107	20 - 150	6.591217		6.5912	
13C7-PFUnA	12.5	103	20 - 150	6.965583		6.9656	
13C2-PFDoA	12.5	104	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	86	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.5	71	20 - 150	8.067734		8.0677	
13C3-PFBS	25.0	97	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.0	101	20 - 150	5.944183		5.9442	
13C8-PFOS	25.0	100	20 - 150	6.758833		6.7588	
13C2-4:2FTS	50.0	106	20 - 150	4.70915		4.7092	
13C2-6:2FTS	50.0	92	20 - 150	5.641967		5.6420	
13C2-8:2FTS	50.0	94	20 - 150	6.411817		6.4118	
13C8-PFOSA	25.0	111	20 - 150	8.7915		8.7915	
D3-NMeFOSA	25.0	101	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.0	104	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.0	100	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	50.0	99	20 - 150	6.940617		6.9406	
D7-NMeFOSE	250	56	20 - 150	9.853		9.8530	
D9-NEtFOSE	250	91	20 - 150	10.18522		10.1852	
13C3-HFPO-DA	100	105	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW03RD-GW031225 (O25C0608-01) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 17:42		
13C4-PFBA	95.5	63	20 - 150	3.046783		3.0468	
13C5-PFPeA	47.7	97	20 - 150	4.221684		4.2217	
13C5-PFHxA	23.9	94	20 - 150	4.889117		4.8891	
13C4-PFHpA	23.9	97	20 - 150	5.38545		5.3855	
13C8-PFOA	23.9	104	20 - 150	5.822767		5.8228	
13C9-PFNA	11.9	101	20 - 150	6.213433		6.2134	
13C6-PFDA	11.9	104	20 - 150	6.591217		6.5912	
13C7-PFUnA	11.9	106	20 - 150	6.965583		6.9656	
13C2-PFDoA	11.9	107	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	11.9	90	20 - 150	7.705667		7.7057	
13C2-PFTeDA	11.9	76	20 - 150	8.067734		8.0677	
13C3-PFBS	23.9	99	20 - 150	4.928867		4.9289	
13C3-PFHxS	23.9	96	20 - 150	5.944183		5.9442	
13C8-PFOS	23.9	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	47.7	124	20 - 150	4.697317		4.6973	
13C2-6:2FTS	47.7	107	20 - 150	5.641967		5.6420	
13C2-8:2FTS	47.7	92	20 - 150	6.411817		6.4118	
13C8-PFOSA	23.9	100	20 - 150	8.7915		8.7915	
D3-NMeFOSA	23.9	91	20 - 150	9.99045		9.9905	
D5-NEtFOSA	23.9	90	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	47.7	97	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	47.7	210	20 - 150	6.928817		6.9288	*
D7-NMeFOSE	239	51	20 - 150	9.86495		9.8650	
D9-NEtFOSE	239	86	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	95.5	101	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW24-GW031325 (O25C0608-02) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 17:58		
13C4-PFBA	96.2	69	20 - 150	3.046783		3.0468	
13C5-PFPeA	48.1	102	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.1	98	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.1	99	20 - 150	5.38545		5.3855	
13C8-PFOA	24.1	98	20 - 150	5.822767		5.8228	
13C9-PFNA	12.0	100	20 - 150	6.213433		6.2134	
13C6-PFDA	12.0	107	20 - 150	6.591217		6.5912	
13C7-PFUnA	12.0	107	20 - 150	6.977967		6.9780	
13C2-PFDoA	12.0	105	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.0	89	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.0	75	20 - 150	8.067734		8.0677	
13C3-PFBS	24.1	96	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.1	93	20 - 150	5.944183		5.9442	
13C8-PFOS	24.1	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	48.1	116	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.1	98	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.1	86	20 - 150	6.411817		6.4118	
13C8-PFOSA	24.1	93	20 - 150	8.7915		8.7915	
D3-NMeFOSA	24.1	89	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.1	86	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.1	94	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.1	94	20 - 150	6.9406		6.9406	
D7-NMeFOSE	241	49	20 - 150	9.86495		9.8650	
D9-NEtFOSE	241	86	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	96.2	104	20 - 150	5.073967		5.0740	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
FD02-GW031325 (O25C0608-03) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 18:15		
13C4-PFBA	97.0	74	20 - 150	3.046783		3.0468	
13C5-PFPeA	48.5	104	20 - 150	4.221684		4.2217	
13C5-PFHxA	24.3	98	20 - 150	4.889117		4.8891	
13C4-PFHpA	24.3	108	20 - 150	5.38545		5.3855	
13C8-PFOA	24.3	99	20 - 150	5.822767		5.8228	
13C9-PFNA	12.1	100	20 - 150	6.213433		6.2134	
13C6-PFDA	12.1	96	20 - 150	6.5912		6.5912	
13C7-PFUnA	12.1	99	20 - 150	6.965583		6.9656	
13C2-PFDoA	12.1	97	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.1	81	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.1	69	20 - 150	8.067734		8.0677	
13C3-PFBS	24.3	92	20 - 150	4.928867		4.9289	
13C3-PFHxS	24.3	97	20 - 150	5.944183		5.9442	
13C8-PFOS	24.3	93	20 - 150	6.758833		6.7588	
13C2-4:2FTS	48.5	107	20 - 150	4.697317		4.6973	
13C2-6:2FTS	48.5	99	20 - 150	5.641967		5.6420	
13C2-8:2FTS	48.5	92	20 - 150	6.411817		6.4118	
13C8-PFOSA	24.3	88	20 - 150	8.7915		8.7915	
D3-NMeFOSA	24.3	87	20 - 150	9.99045		9.9905	
D5-NEtFOSA	24.3	84	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	48.5	87	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	48.5	89	20 - 150	6.9406		6.9406	
D7-NMeFOSE	243	47	20 - 150	9.853		9.8530	
D9-NEtFOSE	243	80	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	97.0	108	20 - 150	5.085767		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW30C-GW031225 (O25C0608-04) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 18:31		
13C4-PFBA	100	37	20 - 150	3.046783		3.0468	
13C5-PFPeA	50.2	97	20 - 150	4.221684		4.2217	
13C5-PFHxA	25.1	96	20 - 150	4.889117		4.8891	
13C4-PFHpA	25.1	104	20 - 150	5.38545		5.3855	
13C8-PFOA	25.1	99	20 - 150	5.809233		5.8092	
13C9-PFNA	12.5	95	20 - 150	6.213433		6.2134	
13C6-PFDA	12.5	100	20 - 150	6.591217		6.5912	
13C7-PFUnA	12.5	101	20 - 150	6.965583		6.9656	
13C2-PFDoA	12.5	104	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	89	20 - 150	7.705667		7.7057	
13C2-PFTeDA	12.5	76	20 - 150	8.067734		8.0677	
13C3-PFBS	25.1	91	20 - 150	4.928867		4.9289	
13C3-PFHxS	25.1	96	20 - 150	5.944183		5.9442	
13C8-PFOS	25.1	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	50.2	172	20 - 150	4.697317		4.6973	*
13C2-6:2FTS	50.2	134	20 - 150	5.63015		5.6302	
13C2-8:2FTS	50.2	109	20 - 150	6.411817		6.4118	
13C8-PFOSA	25.1	98	20 - 150	8.7915		8.7915	
D3-NMeFOSA	25.1	84	20 - 150	9.99045		9.9905	
D5-NEtFOSA	25.1	88	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	50.2	98	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	50.2	98	20 - 150	6.9406		6.9406	
D7-NMeFOSE	251	45	20 - 150	9.853		9.8530	
D9-NEtFOSE	251	75	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	100	106	20 - 150	5.073967		5.0740	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
FB01-GW031225 (O25C0608-05) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 18:47		
13C4-PFBA	95.0	55	20 - 150	3.046783		3.0468	
13C5-PFPeA	47.5	99	20 - 150	4.221684		4.2217	
13C5-PFHxA	23.8	94	20 - 150	4.889117		4.8891	
13C4-PFHpA	23.8	103	20 - 150	5.38545		5.3855	
13C8-PFOA	23.8	96	20 - 150	5.822767		5.8228	
13C9-PFNA	11.9	99	20 - 150	6.213433		6.2134	
13C6-PFDA	11.9	104	20 - 150	6.591217		6.5912	
13C7-PFUnA	11.9	110	20 - 150	6.965583		6.9656	
13C2-PFDoA	11.9	115	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	11.9	94	20 - 150	7.705667		7.7057	
13C2-PFTeDA	11.9	76	20 - 150	8.067734		8.0677	
13C3-PFBS	23.8	90	20 - 150	4.928867		4.9289	
13C3-PFHxS	23.8	99	20 - 150	5.944183		5.9442	
13C8-PFOS	23.8	93	20 - 150	6.758833		6.7588	
13C2-4:2FTS	47.5	110	20 - 150	4.697317		4.6973	
13C2-6:2FTS	47.5	101	20 - 150	5.641967		5.6420	
13C2-8:2FTS	47.5	88	20 - 150	6.411817		6.4118	
13C8-PFOSA	23.8	93	20 - 150	8.7915		8.7915	
D3-NMeFOSA	23.8	100	20 - 150	9.99045		9.9905	
D5-NEtFOSA	23.8	93	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	47.5	92	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	47.5	93	20 - 150	6.9406		6.9406	
D7-NMeFOSE	238	50	20 - 150	9.86495		9.8650	
D9-NEtFOSE	238	84	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	95.0	101	20 - 150	5.085783		5.0858	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
EB01-GW031225 (O25C0608-06) ng/L			Lab File ID: PFAS2_250325_(		Analyzed: 03/25/25 19:03		
13C4-PFBA	95.2	29	20 - 150	3.046783		3.0468	
13C5-PFPeA	47.6	95	20 - 150	4.221684		4.2217	
13C5-PFHxA	23.8	97	20 - 150	4.889117		4.8891	
13C4-PFHpA	23.8	100	20 - 150	5.38545		5.3855	
13C8-PFOA	23.8	97	20 - 150	5.822767		5.8228	
13C9-PFNA	11.9	98	20 - 150	6.213433		6.2134	
13C6-PFDA	11.9	109	20 - 150	6.591217		6.5912	
13C7-PFUnA	11.9	116	20 - 150	6.965583		6.9656	
13C2-PFDoA	11.9	121	20 - 150	7.3436		7.3436	
AVE 13C2-PFTeDA & 13C2-PFDoA	11.9	97	20 - 150	7.705667		7.7057	
13C2-PFTeDA	11.9	77	20 - 150	8.067734		8.0677	
13C3-PFBS	23.8	91	20 - 150	4.928867		4.9289	
13C3-PFHxS	23.8	94	20 - 150	5.956		5.9560	
13C8-PFOS	23.8	95	20 - 150	6.758833		6.7588	
13C2-4:2FTS	47.6	107	20 - 150	4.697317		4.6973	
13C2-6:2FTS	47.6	99	20 - 150	5.641967		5.6420	
13C2-8:2FTS	47.6	90	20 - 150	6.411817		6.4118	
13C8-PFOSA	23.8	92	20 - 150	8.7915		8.7915	
D3-NMeFOSA	23.8	99	20 - 150	9.99045		9.9905	
D5-NEtFOSA	23.8	102	20 - 150	10.30952		10.3095	
D3-NMeFOSAA	47.6	97	20 - 150	6.729383		6.7294	
D5-NEtFOSAA	47.6	97	20 - 150	6.9406		6.9406	
D7-NMeFOSE	238	48	20 - 150	9.853		9.8530	
D9-NEtFOSE	238	79	20 - 150	10.19717		10.1972	
13C3-HFPO-DA	95.2	106	20 - 150	5.085783		5.0858	

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C1367	Lab Sample ID:	B25C1367-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	20.0	21.4	107	40 - 150
PFPeA	10.0	10.6	106	40 - 150
PFHxA	5.00	5.47	109	40 - 150
PFHpA	5.00	5.04	101	40 - 150
PFOA	5.00	5.40	108	40 - 150
PFNA	5.00	4.98	100	40 - 150
PFDA	5.00	5.12	102	40 - 150
PFUnA	5.00	5.61	112	40 - 150
PFDoA	5.00	5.44	109	40 - 150
PFTrDA	5.00	5.90	118	40 - 150
PFTeDA	5.00	5.95	119	40 - 150
PFBS	4.42	5.03	114	40 - 150
PFPeS	4.70	5.12	109	40 - 150
PFHxS	4.58	5.43	119	40 - 150
PFHpS	4.78	5.35	112	40 - 150
PFOS	4.65	6.13	132	40 - 150
PFNS	4.80	5.57	116	40 - 150
PFDS	4.82	6.06	126	40 - 150
PFDoS	4.85	4.99	103	40 - 150
4:2FTS	18.8	19.2	102	40 - 150
6:2FTS	19.0	19.8	104	40 - 150
8:2FTS	19.2	19.7	103	40 - 150
PFOSA	5.00	5.22	104	40 - 150
NMeFOSA	5.00	5.08	102	40 - 150
NEtFOSA	5.00	5.03	101	40 - 150
NMeFOSAA	5.00	5.48	110	40 - 150
NEtFOSAA	5.00	4.88	98	40 - 150
NMeFOSE	50.0	62.1	124	40 - 150
NEtFOSE	50.0	53.4	107	40 - 150
HFPO-DA	10.0	10.9	109	40 - 150
ADONA	9.45	9.43	100	40 - 150
9CL-PF3ONS	9.35	10.3	111	40 - 150
11CL-PF3OUdS	9.45	11.6	123	40 - 150
3:3FTCA	20.0	13.7	69	40 - 150
5:3FTCA	100	87.7	88	40 - 150
7:3FTCA	100	92.9	93	40 - 150
PFEESA	8.90	10.5	118	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C1367	Lab Sample ID:	B25C1367-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	10.0	8.63	86	40 - 150
PFMBA	10.0	10.1	101	40 - 150
NFDHA	10.0	12.2	122	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C1367	Lab Sample ID:	B25C1367-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	200	217	108	40 - 150
PFPeA	100	107	107	40 - 150
PFHxA	50.0	55.6	111	40 - 150
PFHpA	50.0	54.2	108	40 - 150
PFOA	50.0	54.0	108	40 - 150
PFNA	50.0	50.7	101	40 - 150
PFDA	50.0	56.2	112	40 - 150
PFUnA	50.0	57.5	115	40 - 150
PFDoA	50.0	58.2	116	40 - 150
PFTrDA	50.0	66.7	133	40 - 150
PFTeDA	50.0	66.6	133	40 - 150
PFBS	44.2	51.4	116	40 - 150
PFPeS	47.0	51.8	110	40 - 150
PFHxS	45.8	51.9	113	40 - 150
PFHpS	47.8	55.4	116	40 - 150
PFOS	46.5	55.2	119	40 - 150
PFNS	48.0	60.9	127	40 - 150
PFDS	48.2	61.9	128	40 - 150
PFDoS	48.5	45.1	93	40 - 150
4:2FTS	188	211	113	40 - 150
6:2FTS	190	202	106	40 - 150
8:2FTS	192	202	105	40 - 150
PFOSA	50.0	55.7	111	40 - 150
NMeFOSA	50.0	52.4	105	40 - 150
NEtFOSA	50.0	52.7	105	40 - 150
NMeFOSAA	50.0	52.9	106	40 - 150
NEtFOSAA	50.0	54.3	109	40 - 150
NMeFOSE	500	660	132	40 - 150
NEtFOSE	500	563	113	40 - 150
HFPO-DA	100	112	112	40 - 150
ADONA	94.5	93.5	99	40 - 150
9CL-PF3ONS	93.5	96.5	103	40 - 150
11CL-PF3OUdS	94.5	108	115	40 - 150
3:3FTCA	200	148	74	40 - 150
5:3FTCA	1,000	905	90	40 - 150
7:3FTCA	1,000	1,030	103	40 - 150
PFEESA	89.0	101	113	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25C1367	Lab Sample ID:	B25C1367-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	100	84.0	84	40 - 150
PFMBA	100	103	103	40 - 150
NFDHA	100	124	124	40 - 150

* Values outside of QC limits

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METHOD BLANK SUMMARY

E1633

Laboratory:	Sterling Labs	Work Order:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Blank ID:	B25C1367-BLK1	Batch:	B25C1367

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
EB01-GW031225	O25C0608-06	PFAS2_250325_019.d	19:03
FB01-GW031225	O25C0608-05	PFAS2_250325_018.d	18:47
MW30C-GW031225	O25C0608-04	PFAS2_250325_017.d	18:31
FD02-GW031325	O25C0608-03	PFAS2_250325_016.d	18:15
MW24-GW031325	O25C0608-02	PFAS2_250325_015.d	17:58
MW03RD-GW031225	O25C0608-01	PFAS2_250325_014.d	17:42
HLCS	B25C1367-BS2	PFAS2_250325_013.d	17:24
LLCS	B25C1367-BS1	PFAS2_250325_012.d	17:04

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB1	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB1	13C4-PFBA	9.58	ug/L		
	13C5-PFPeA	4.97	ug/L		
	13C5-PFHxA	2.30	ug/L		
	13C4-PFHpA	2.43	ug/L		
	13C8-PFOA	2.46	ug/L		
	13C9-PFNA	1.18	ug/L		
	13C6-PFDA	1.19	ug/L		
	13C7-PFUnA	1.23	ug/L		
	13C2-PFDoA	1.25	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.24	ug/L		
	13C2-PFTeDA	1.24	ug/L		
	13C3-PFBS	2.40	ug/L		
	13C3-PFHxS	2.34	ug/L		
	13C8-PFOS	2.17	ug/L		
	13C2-4:2FTS	5.08	ug/L		
	13C2-6:2FTS	4.70	ug/L		
	13C2-8:2FTS	4.57	ug/L		
	13C8-PFOSA	2.15	ug/L		
	D3-NMeFOSA	2.70	ug/L		
	D5-NEtFOSA	2.71	ug/L		
	D3-NMeFOSAA	4.50	ug/L		
	D5-NEtFOSAA	4.59	ug/L		
	D7-NMeFOSE	22.8	ug/L		
	D9-NEtFOSE	34.5	ug/L		
	13C3-HFPO-DA	10.4	ug/L		
S25C0909-CCB2	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB2	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.70	ug/L		
	13C5-PFPeA	4.93	ug/L		
	13C5-PFHxA	2.33	ug/L		
	13C4-PFHpA	2.45	ug/L		
	13C8-PFOA	2.42	ug/L		
	13C9-PFNA	1.21	ug/L		
	13C6-PFDA	1.23	ug/L		
	13C7-PFUnA	1.15	ug/L		
	13C2-PFDoA	1.24	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.19	ug/L		
	13C2-PFTeDA	1.14	ug/L		
	13C3-PFBS	2.30	ug/L		
	13C3-PFHxS	2.35	ug/L		
	13C8-PFOS	2.38	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB2	13C2-4:2FTS	4.76	ug/L		
	13C2-6:2FTS	4.64	ug/L		
	13C2-8:2FTS	4.12	ug/L		
	13C8-PFOSA	2.31	ug/L		
	D3-NMeFOSA	2.48	ug/L		
	D5-NEtFOSA	2.46	ug/L		
	D3-NMeFOSAA	4.63	ug/L		
	D5-NEtFOSAA	4.81	ug/L		
	D7-NMeFOSE	17.1	ug/L		
	D9-NEtFOSE	24.8	ug/L		
	13C3-HFPO-DA	10.0	ug/L		
B25C1367-BLK1	PFBA		ng/L	6.40	U
	PFPeA		ng/L	3.20	U
	PFHxA		ng/L	1.60	U
	PFHpA		ng/L	1.60	U
	PFOA	0.44	ng/L	1.60	J
	PFNA		ng/L	1.60	U
	PFDA		ng/L	1.60	U
	PFUnA		ng/L	1.60	U
	PFDoA		ng/L	1.60	U
	PFTrDA		ng/L	1.60	U
	PFTeDA		ng/L	1.60	U
	PFBS		ng/L	1.42	U
	PFPeS		ng/L	1.51	U
	PFHxS		ng/L	1.46	U
	PFHpS		ng/L	1.52	U
	PFOS	0.66	ng/L	1.86	J
	PFNS		ng/L	1.54	U
	PFDS		ng/L	1.54	U
	PFDoS		ng/L	1.55	U
	4:2FTS		ng/L	6.00	U
	6:2FTS		ng/L	6.08	U
	8:2FTS		ng/L	6.14	U
	PFOSA		ng/L	1.60	U
	NMeFOSA		ng/L	1.60	U
	NEtFOSA		ng/L	1.60	U
	NMeFOSAA		ng/L	1.60	U
	NEtFOSAA		ng/L	1.60	U
	NMeFOSE		ng/L	16.0	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
B25C1367-BLK1	NEtFOSE		ng/L	16.0	U
	HFPO-DA		ng/L	3.20	U
	ADONA		ng/L	3.02	U
	9CL-PF3ONS		ng/L	2.99	U
	11CL-PF3OUdS		ng/L	3.02	U
	3:3FTCA		ng/L	6.40	U
	5:3FTCA		ng/L	32.0	U
	7:3FTCA		ng/L	32.0	U
	PFEESA		ng/L	2.85	U
	PFMPA		ng/L	3.20	U
	PFMBA		ng/L	3.20	U
	NFDHA		ng/L	3.20	U
	13C4-PFBA	55.9	ng/L		
	13C5-PFPeA	51.6	ng/L		
	13C5-PFHxA	24.8	ng/L		
	13C4-PFHpA	26.7	ng/L		
	13C8-PFOA	25.5	ng/L		
	13C9-PFNA	12.5	ng/L		
	13C6-PFDA	13.4	ng/L		
	13C7-PFUnA	13.3	ng/L		
	13C2-PFDoA	14.2	ng/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	11.1	ng/L		
	13C2-PFTeDA	8.55	ng/L		
	13C3-PFBS	24.9	ng/L		
	13C3-PFHxS	24.5	ng/L		
	13C8-PFOS	25.9	ng/L		
	13C2-4:2FTS	60.8	ng/L		
	13C2-6:2FTS	57.0	ng/L		
	13C2-8:2FTS	49.8	ng/L		
	13C8-PFOSA	25.6	ng/L		
	D3-NMeFOSA	24.3	ng/L		
	D5-NEtFOSA	25.1	ng/L		
	D3-NMeFOSAA	50.9	ng/L		
	D5-NEtFOSAA	49.5	ng/L		
	D7-NMeFOSE	133	ng/L		
	D9-NEtFOSE	221	ng/L		
	13C3-HFPO-DA	102	ng/L		
S25C0909-CCB3	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB3	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.60	ug/L		
	13C5-PFPeA	4.62	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB3	13C5-PFHxA	2.27	ug/L		
	13C4-PFHpA	2.43	ug/L		
	13C8-PFOA	2.29	ug/L		
	13C9-PFNA	1.13	ug/L		
	13C6-PFDA	1.32	ug/L		
	13C7-PFUnA	1.29	ug/L		
	13C2-PFDoA	1.38	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.35	ug/L		
	13C2-PFTeDA	1.32	ug/L		
	13C3-PFBS	2.27	ug/L		
	13C3-PFHxS	2.37	ug/L		
	13C8-PFOS	2.44	ug/L		
	13C2-4:2FTS	4.39	ug/L		
	13C2-6:2FTS	4.16	ug/L		
	13C2-8:2FTS	3.64	ug/L		
	13C8-PFOSA	2.28	ug/L		
	D3-NMeFOSA	2.55	ug/L		
	D5-NEtFOSA	2.73	ug/L		
	D3-NMeFOSAA	4.95	ug/L		
	D5-NEtFOSAA	4.94	ug/L		
	D7-NMeFOSE	16.0	ug/L		
	D9-NEtFOSE	23.8	ug/L		
	13C3-HFPO-DA	9.60	ug/L		
S25C0909-CCB4	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB4	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.63	ug/L		
	13C5-PFPeA	4.15	ug/L		
	13C5-PFHxA	2.25	ug/L		
	13C4-PFHpA	2.51	ug/L		
	13C8-PFOA	2.46	ug/L		
	13C9-PFNA	1.20	ug/L		
	13C6-PFDA	1.26	ug/L		
	13C7-PFUnA	0.876	ug/L		
	13C2-PFDoA	0.794	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	0.815	ug/L		
	13C2-PFTeDA	0.833	ug/L		
	13C3-PFBS	1.74	ug/L		
	13C3-PFHxS	2.30	ug/L		
	13C8-PFOS	2.25	ug/L		
	13C2-4:2FTS	4.21	ug/L		
	13C2-6:2FTS	3.91	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Sequence:	S25C0909		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25C0909-CCB4	13C2-8:2FTS	4.02	ug/L		
	13C8-PFOSA	2.70	ug/L		
	D3-NMeFOSA	2.22	ug/L		
	D5-NEtFOSA	2.09	ug/L		
	D3-NMeFOSAA	5.16	ug/L		
	D5-NEtFOSAA	4.79	ug/L		
	D7-NMeFOSE	24.1	ug/L		
	D9-NEtFOSE	28.0	ug/L		
	13C3-HFPO-DA	9.56	ug/L		

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_004.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 2:46:19 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

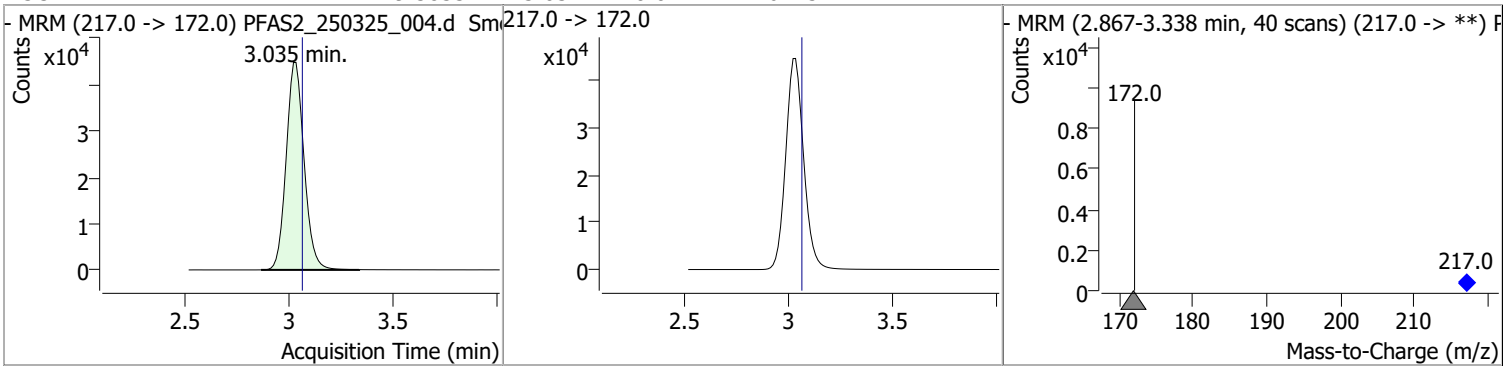
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.027	216.0 -> 172.0	122950	5.0000	µg/L		-10.152
13C2-PFHxA	4.865	315.0 -> 270.0	135235	2.5000	µg/L		-11.856
18O2-PFHxS	5.932	403.0 -> 84.0	27692	2.5000	µg/L		-6.541
13C4-PFOA	5.798	417.0 -> 172.0	14171	2.5000	µg/L		-8.268
13C5-PFNA	6.201	468.0 -> 423.0	68521	1.2500	µg/L		-3.725
13C2-PFDA	6.580	515.0 -> 470.0	62564	1.2500	µg/L		-6.448
13C4-PFOS	6.736	503.0 -> 80.0	24253	2.5000	µg/L		-2.634
System Monitoring Compounds							
13C4-PFBA	3.035	217.0 -> 172.0	267757	10.0000	µg/L		-13.857
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.83%			
13C5-PFPeA	4.198	268.0 -> 223.0	181299	5.0000	µg/L		-12.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.41%			
13C5-PFPeA	4.198	268.0 -> 223.0	181299	5.0000	µg/L		-12.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.41%			
13C2-4-2 FTSA	4.685	329.0 -> 81.0	23870	5.0000	µg/L		-5.521
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.50%			
13C5-PFHxA	4.877	318.0 -> 273.0	137165	2.5000	µg/L		-18.763
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.14%			
13C5-PFHxA	4.877	318.0 -> 273.0	137165	2.5000	µg/L		-18.763
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.14%			
13C3-PFBS	4.905	302.0 -> 80.0	54412	2.5000	µg/L		-10.394
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.98%			
13C3-HFPO-DA	5.062	287.0 -> 169.0	159531	10.0000	µg/L		-8.720
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 103.55%			
13C4-PFHpA	5.374	367.0 -> 322.0	161817	2.5000	µg/L		-14.331
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.22%			
13C3-PFHxS	5.932	402.0 -> 80.0	30570	2.5000	µg/L		-12.527
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.62%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	12960	5.0000	µg/L	#	-12.248
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.00%			
13C8-PFOA	5.797	421.0 -> 376.0	155652	2.5000	µg/L		-9.892
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.25%			
13C3-PFHxS	5.932	402.0 -> 80.0	30570	2.5000	µg/L		-12.527
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.62%			
13C9-PFNA	6.201	472.0 -> 427.0	63857	1.2500	µg/L		-9.376
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.09%			
13C8-PFOS	6.735	507.0 -> 80.0	21328	2.5000	µg/L		-15.646
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.67%			
13C2-8-2 FTSA	6.388	529.0 -> 81.0	10136	5.0000	µg/L	#	-14.436
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.43%			
13C6-PFDA	6.579	519.0 -> 474.0	60759	1.2500	µg/L		-10.597
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.47%			
2H3-N-MeFOSAA	6.718	573.0 -> 419.0	48986	5.0000	µg/L		-12.240
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 90.03%			
13C8-PFOS	6.735	507.0 -> 80.0	21328	2.5000	µg/L		-15.646

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.67%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	37721	5.0000	µg/L		-10.550
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.83%			
13C7-PFUnDA	6.954	570.0 -> 525.0	49430	1.2500	µg/L		-7.785
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.56%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.694	615.0 -> 570.0	41100	1.2500	µg/L		-6.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.42%			
13C2-PFDoDA	7.332	615.0 -> 570.0	37355	1.2500	µg/L		-6.484
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.97%			
13C2-PFTDA	8.056	715.0 -> 670.0	44845	1.2500	µg/L		-7.124
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.97%			
13C8-PFOSA	8.792	506.0 -> 78.0	31053	2.5000	µg/L		-15.985
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.11%			
13C8-PFOSA	8.792	506.0 -> 78.0	31053	2.5000	µg/L		-15.985
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.11%			
2H7-MeFOSE	9.865	623.1 -> 59.0	111389	25.0000	µg/L		-11.346
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 91.12%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10910	2.5000	µg/L		5.211
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.80%			
2H9-EtFOSE	10.197	639.1 -> 59.0	85279	25.0000	µg/L		34.279
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 137.86%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11869	2.5000	µg/L		5.592
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 108.46%			
Target Compounds							QValue
PFBA	3.728	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.578	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.754	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.199	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.441	279.0 -> 85.0	59	0.0360	µg/L		100
4-2 FTSA	4.674	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	0.000		0	N.D.			
PFHxA	4.867	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.965	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.063	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.362	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.435	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	6.079	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.527	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.798	413.0 -> 369.0	790	0.0491	µg/L	#	82
PFHxS	5.921	398.9 -> 80.0	156	0.0131	µg/L		93
PFNA	6.190	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.389	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.555	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.585	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.707	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	385	0.0760	µg/L	#	73
N-EtFOSAA	6.800	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.979	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.016	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.040	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.344	613.0 -> 569.0	0	0.0000	µg/L	md	

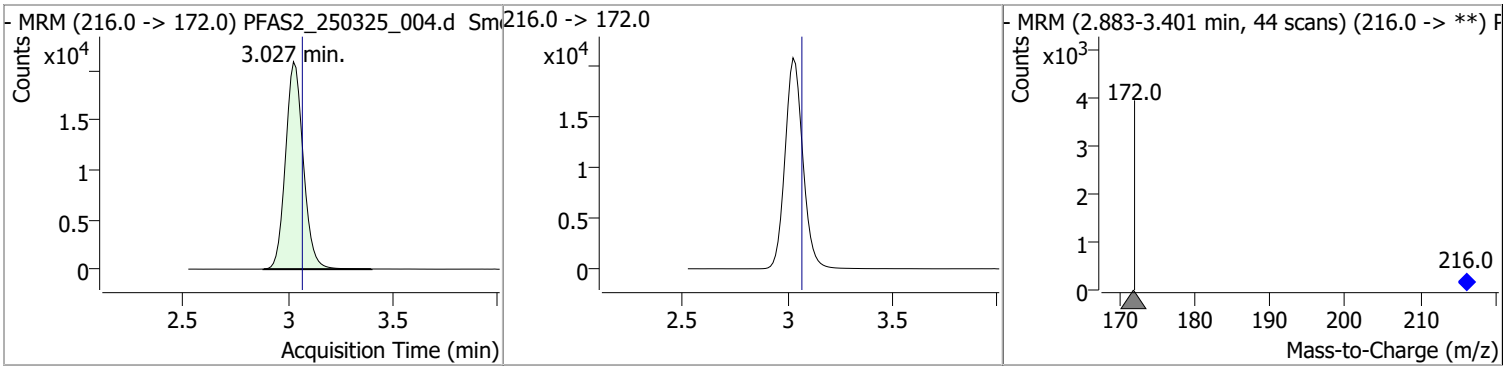
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.490	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.676	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.750	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.057	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.119	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	69	0.0064	µg/L		99
MeFOSE	9.878	616.0 -> 59.0	57	0.0000	µg/L		100
N-MeFOSA	10.051	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	35	0.0211	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

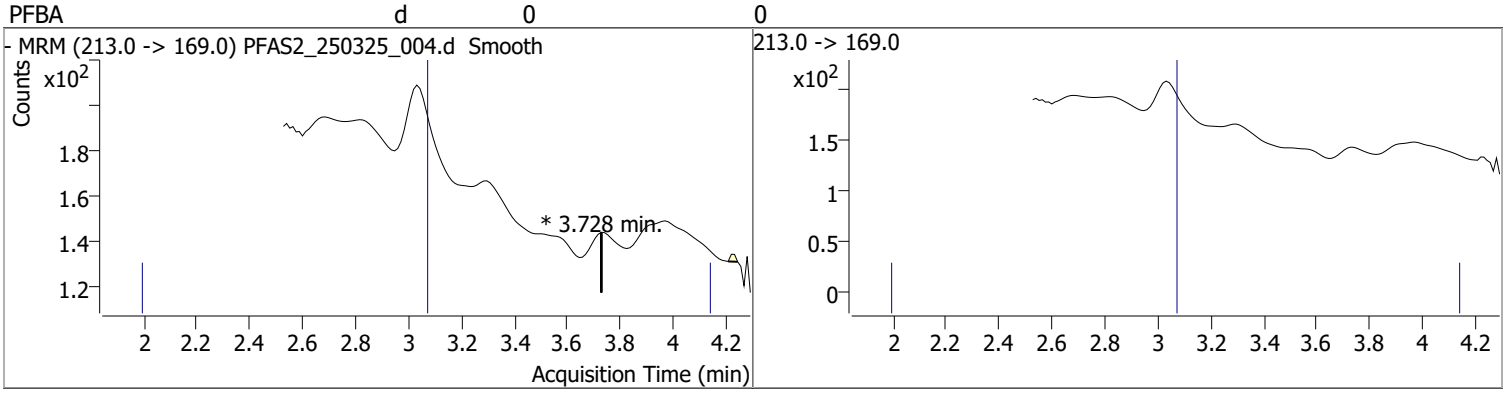
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.5833	3.03	-0.02	267757				



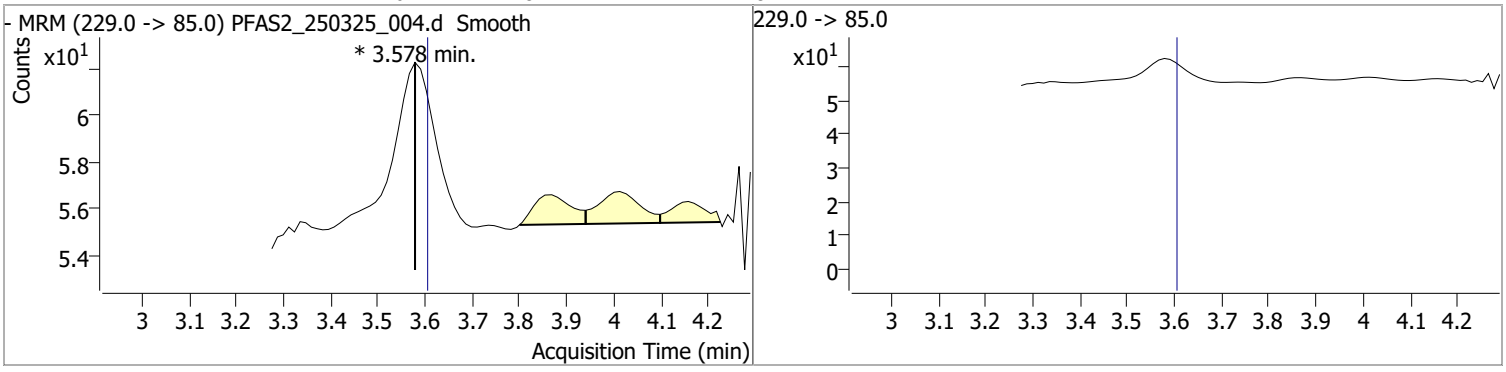
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.03	-0.04	122950				



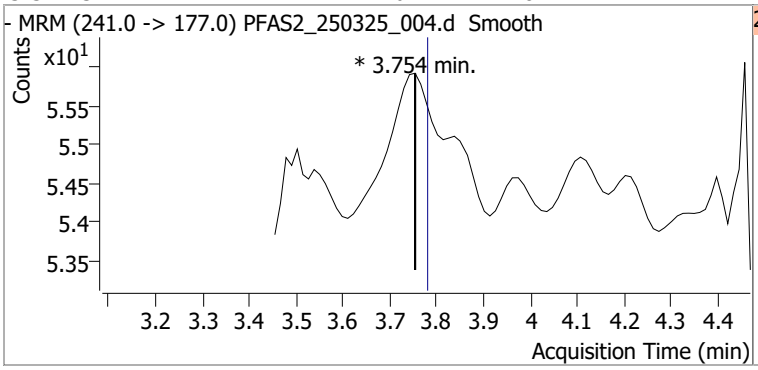
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

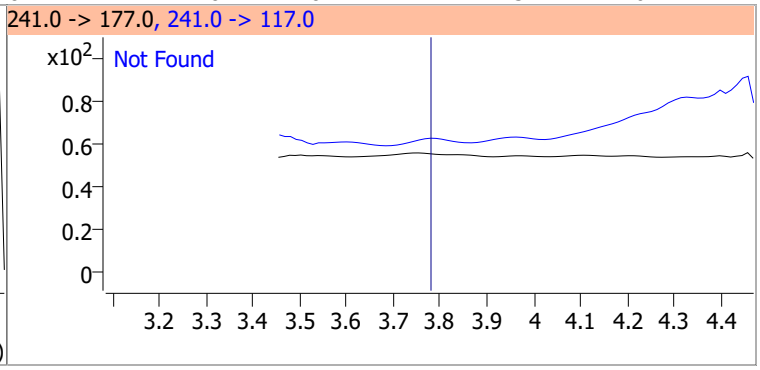


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

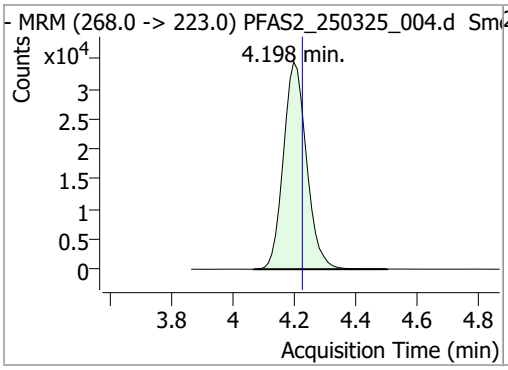


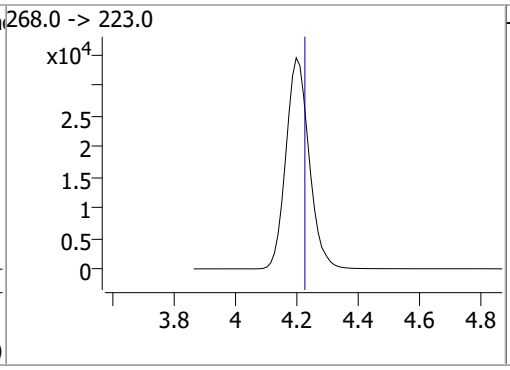
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

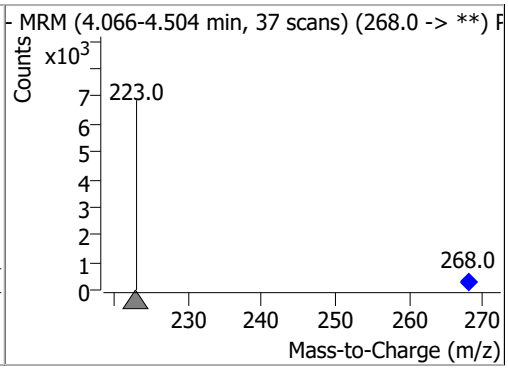




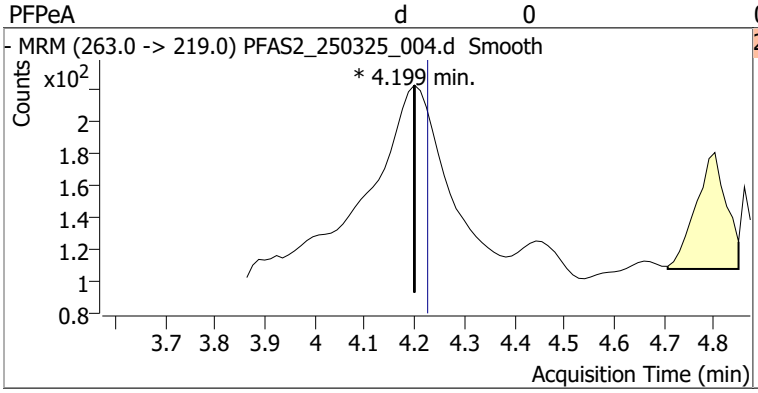
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9705	4.20	-0.02	181299				

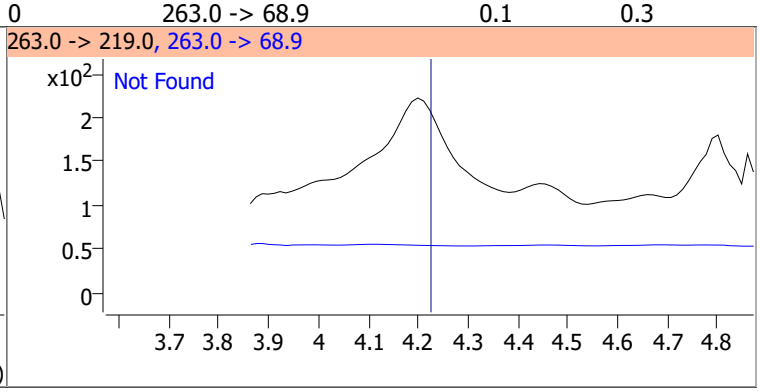




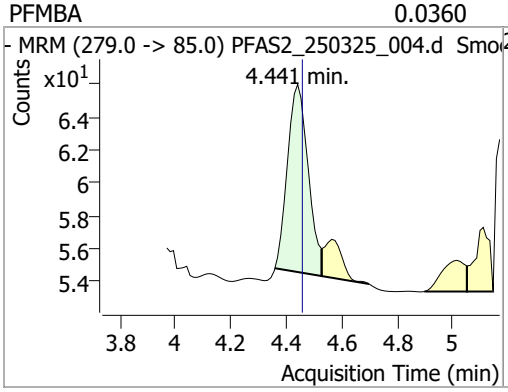


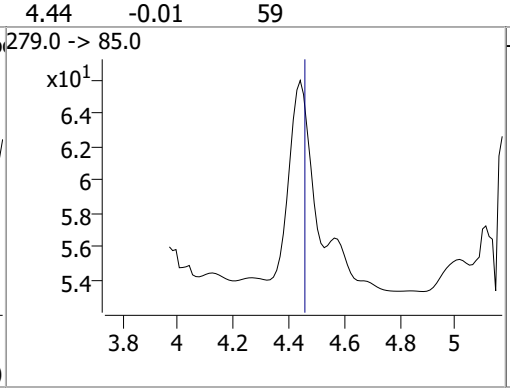
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

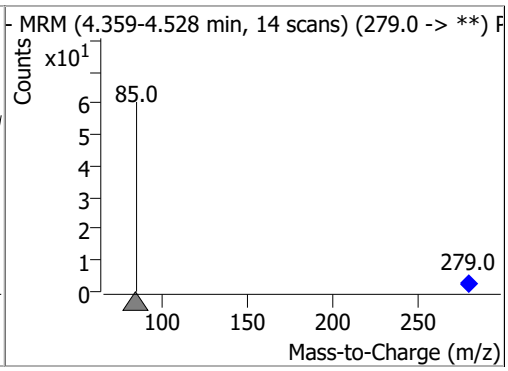




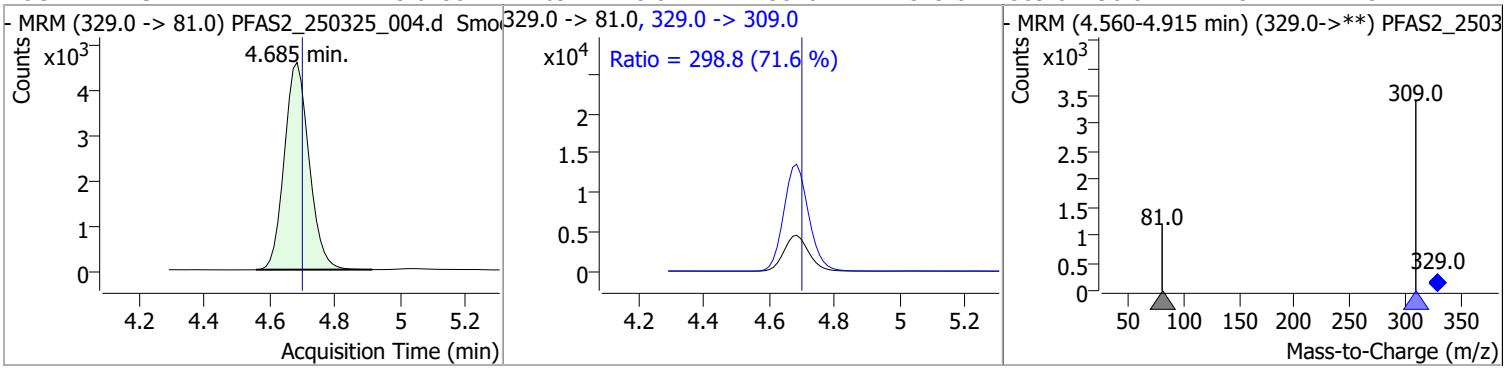
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0360	4.44	-0.01	59				



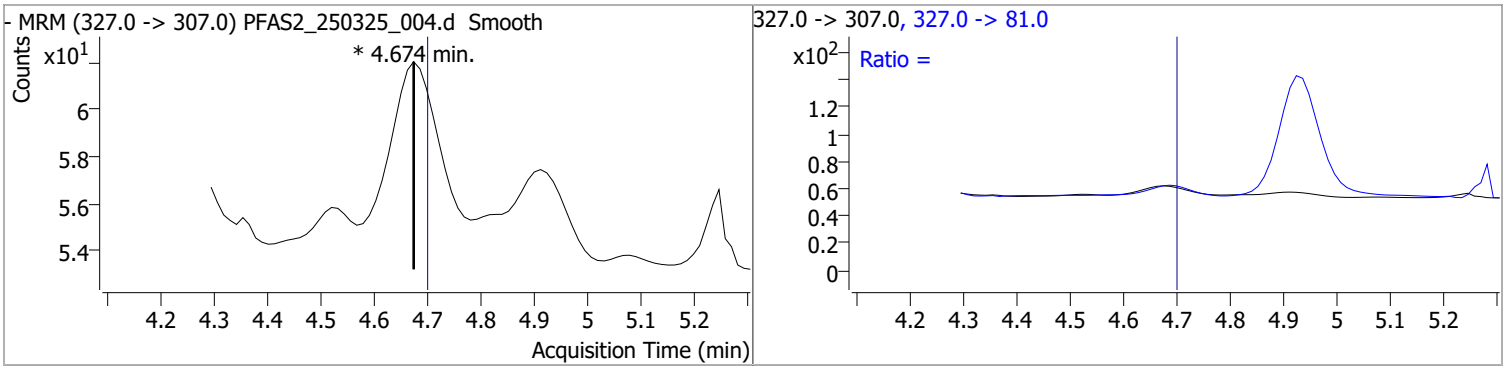




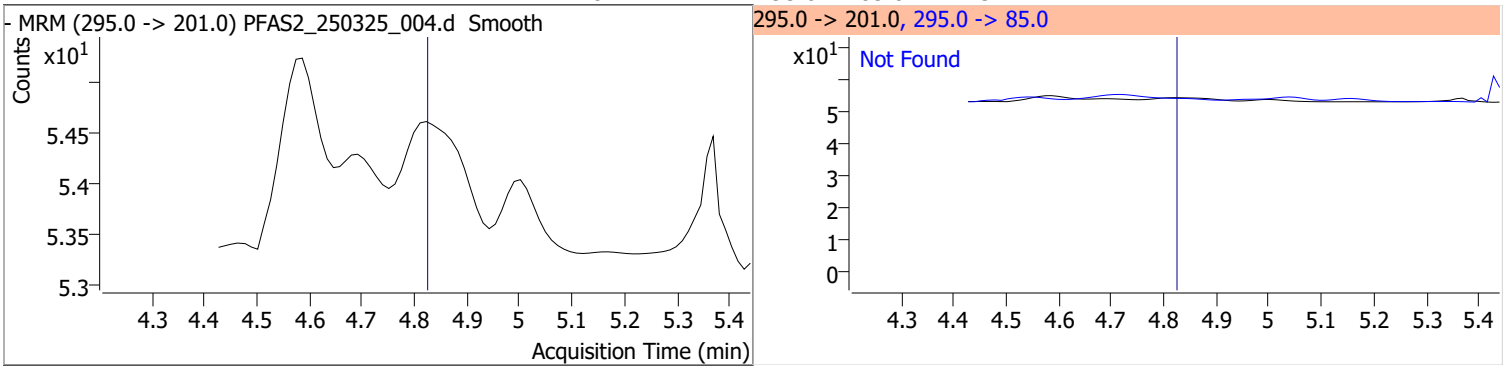
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.0750	4.69	-0.01	23870	329.0 -> 309.0	298.8	292.1	542.4



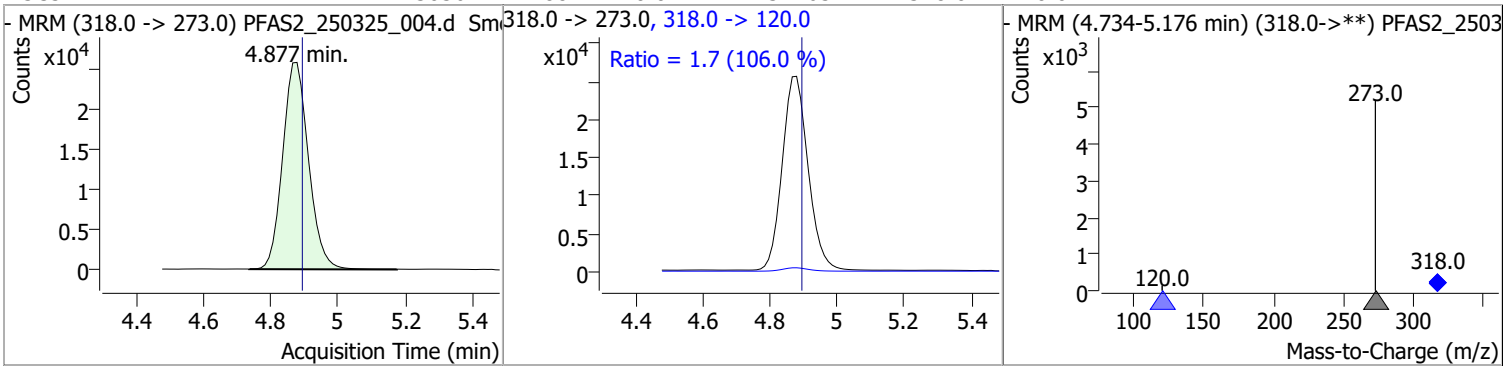
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



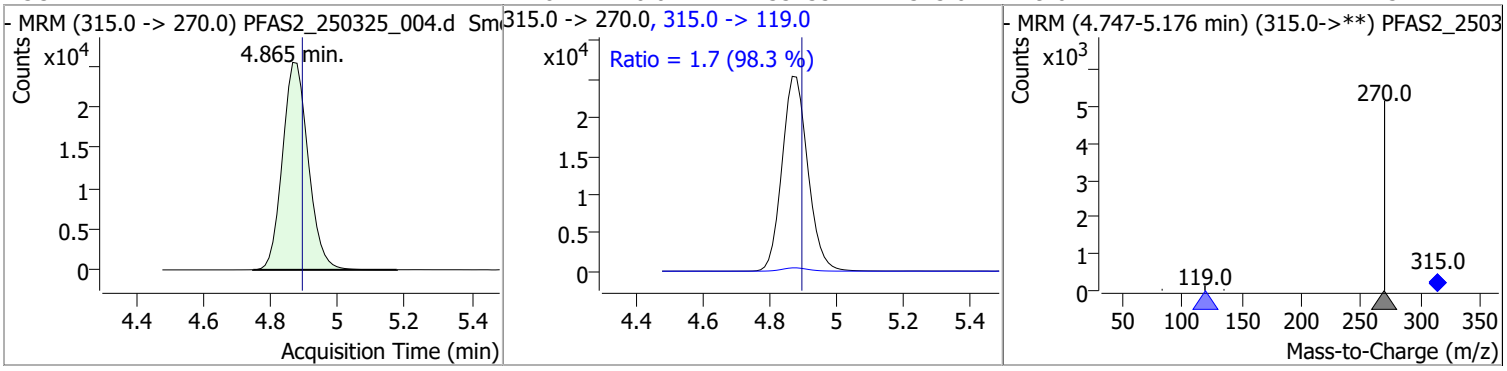
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



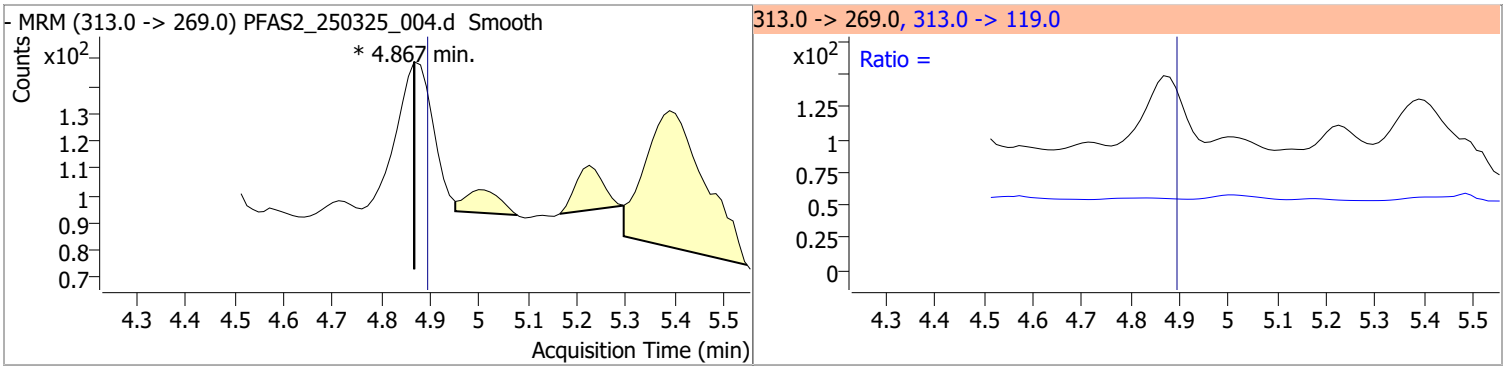
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3036	4.88	-0.01	137165	318.0 -> 120.0	1.7	1.1	2.1



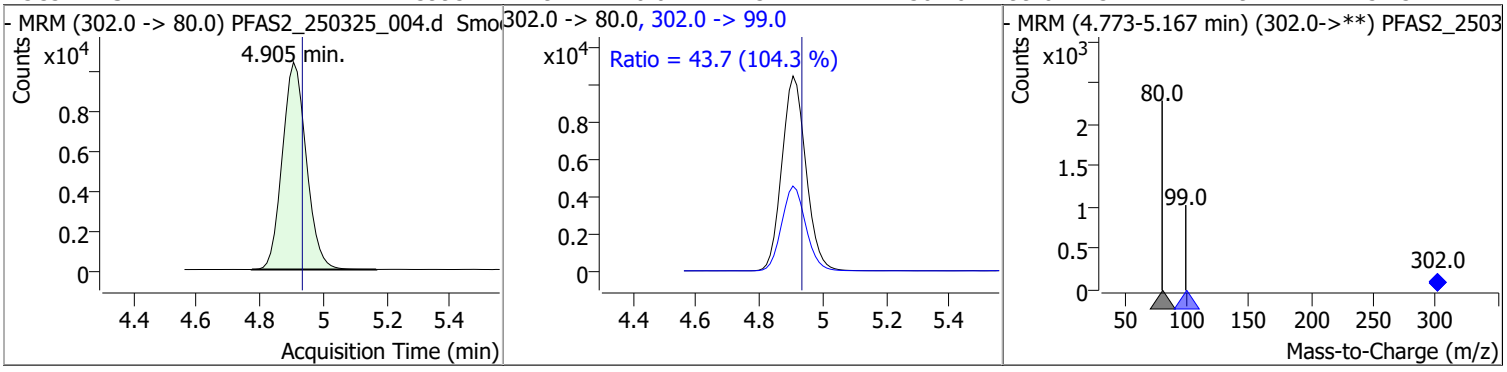
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.87	-0.02	135235	315.0 -> 119.0	1.7	1.2	2.3



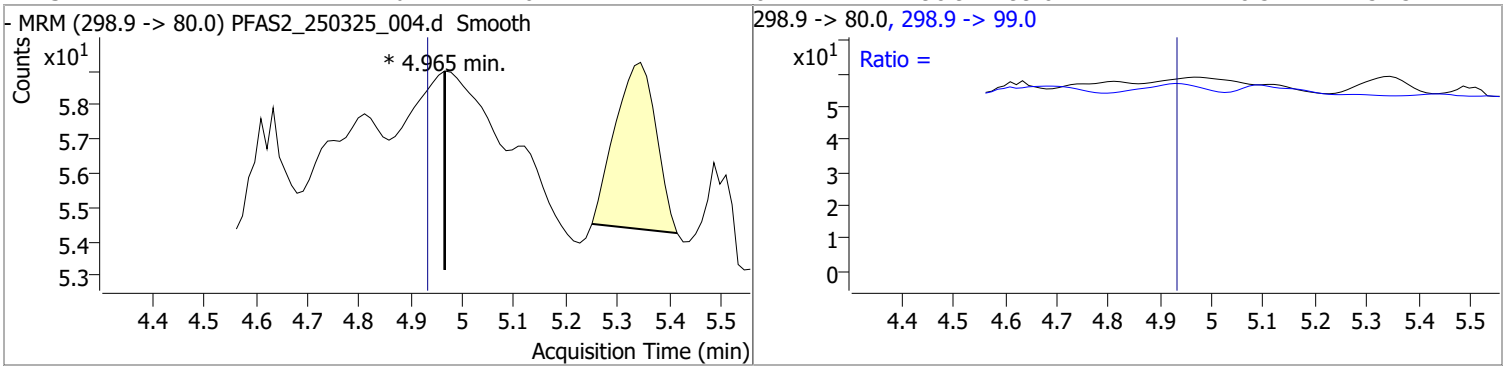
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



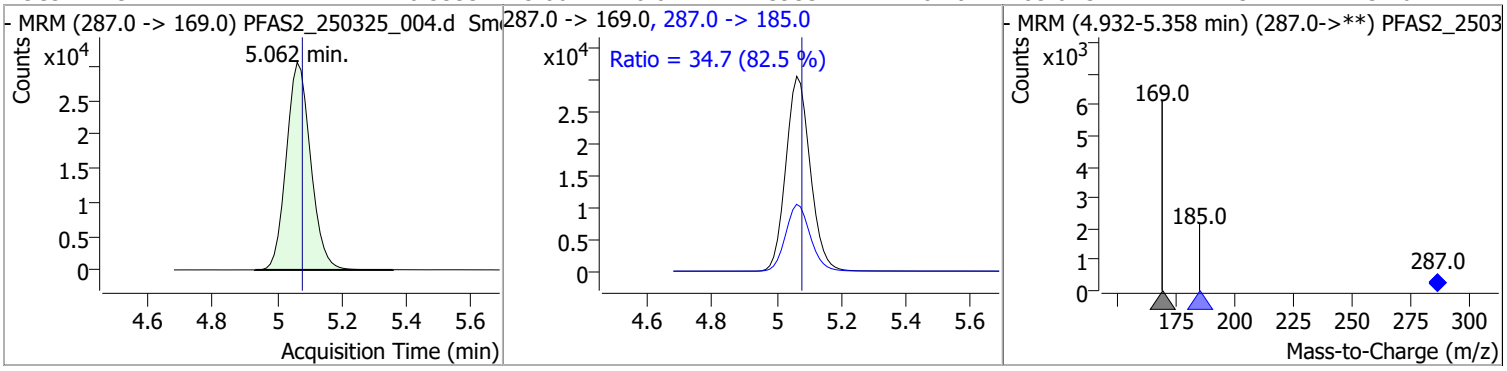
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3995	4.91	-0.02	54412	302.0 -> 99.0	43.7	29.4	54.5



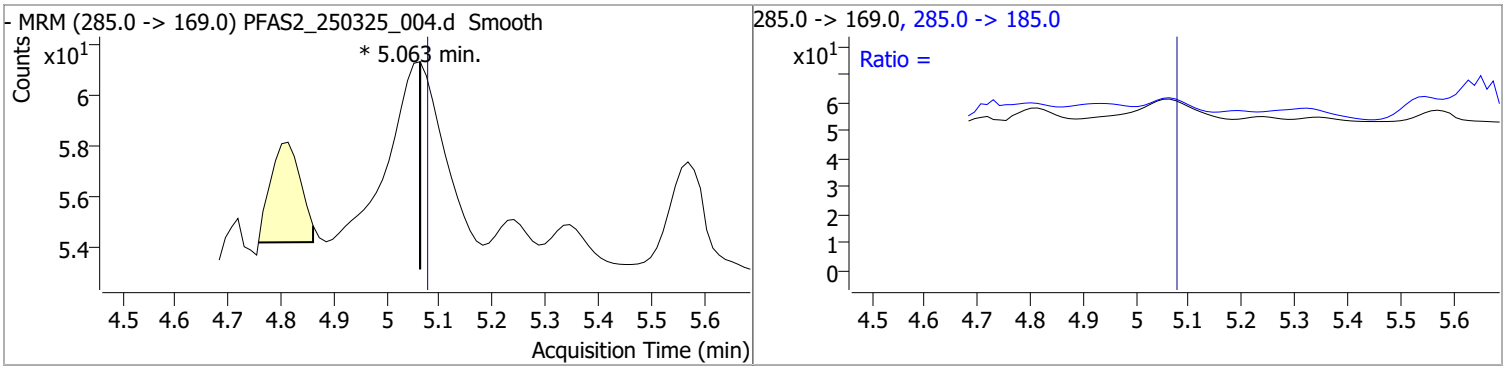
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



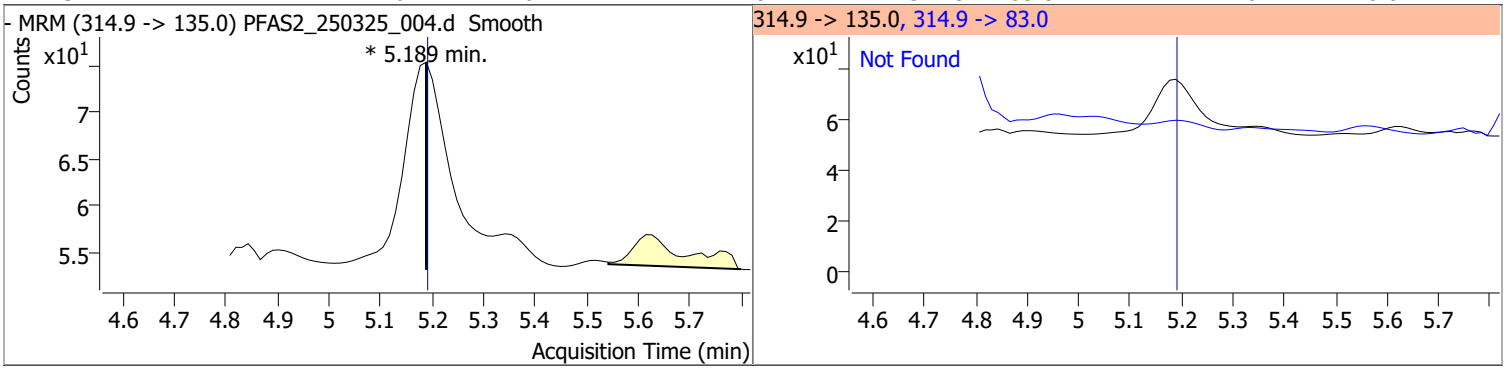
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3553	5.06	-0.01	159531	287.0 -> 185.0	34.7	29.4	54.6



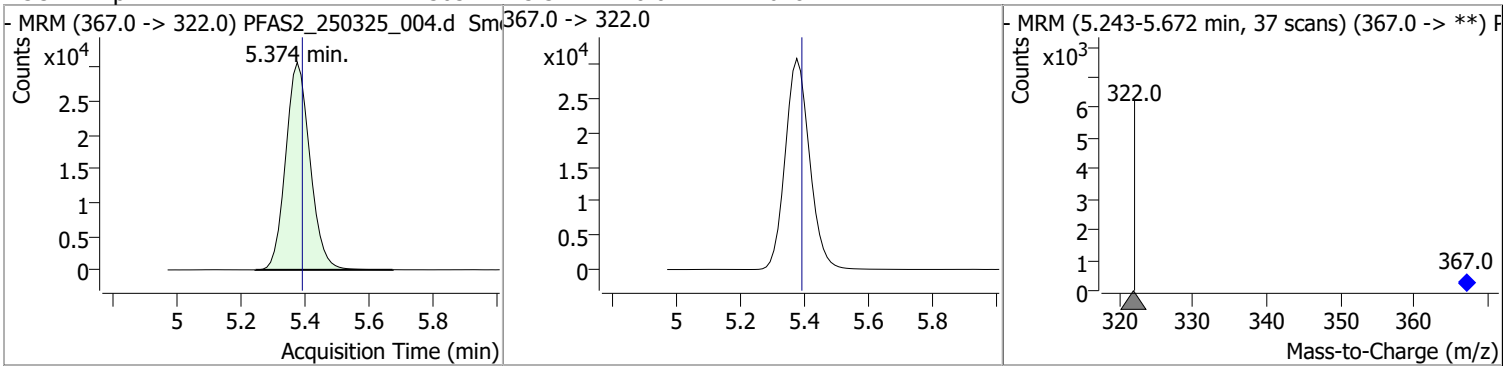
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



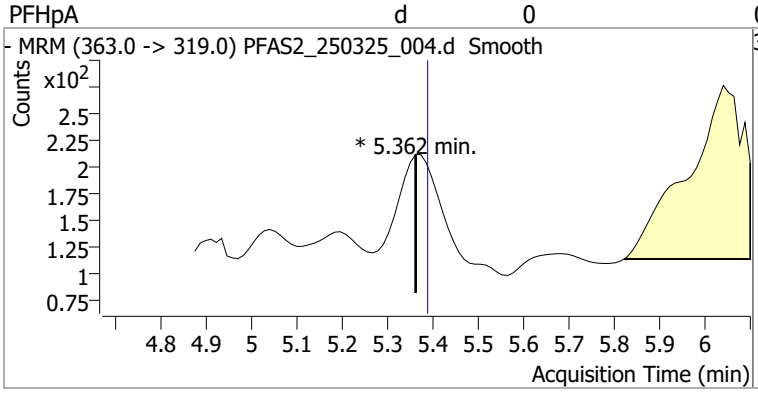
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

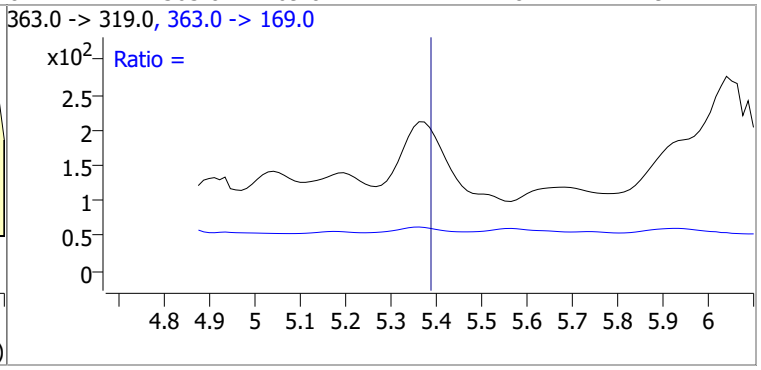


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4305	5.37	-0.01	161817				

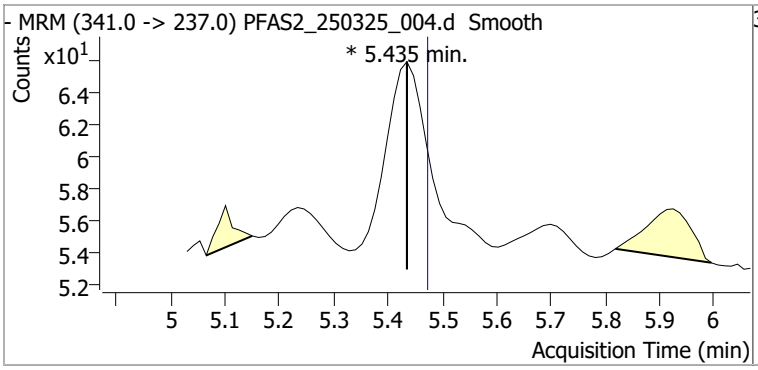


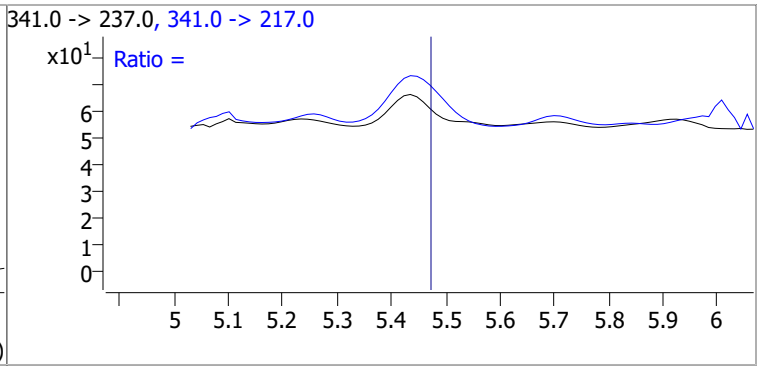
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



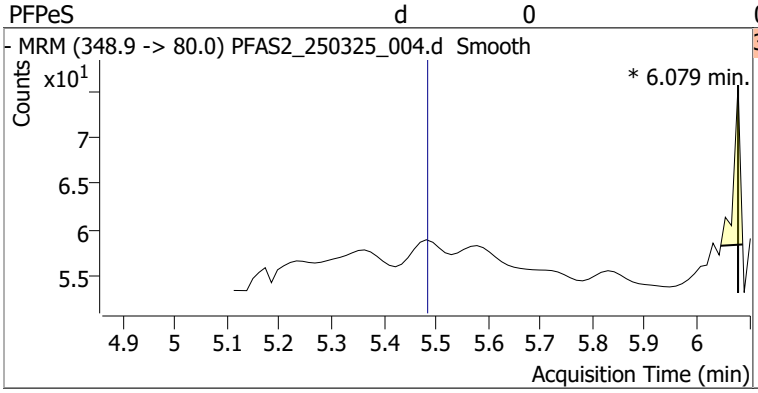


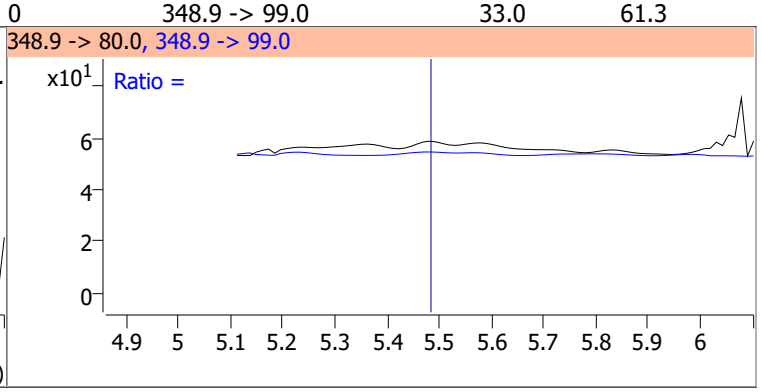
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



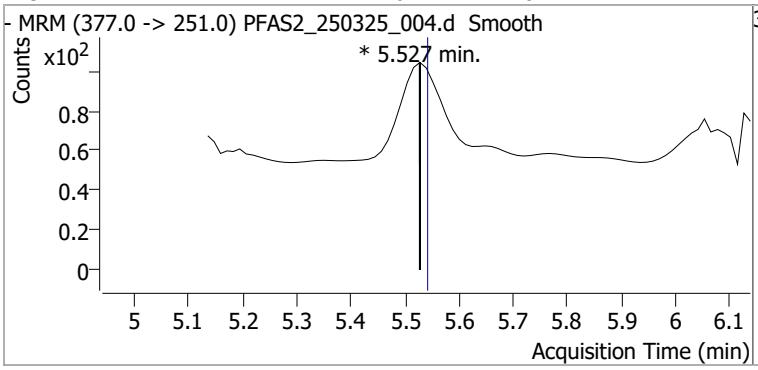


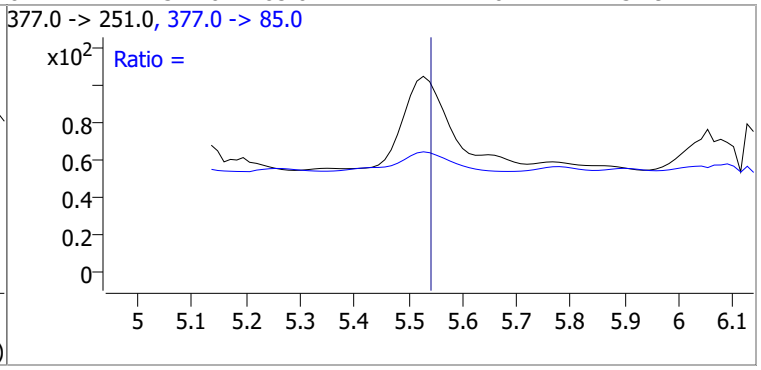
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



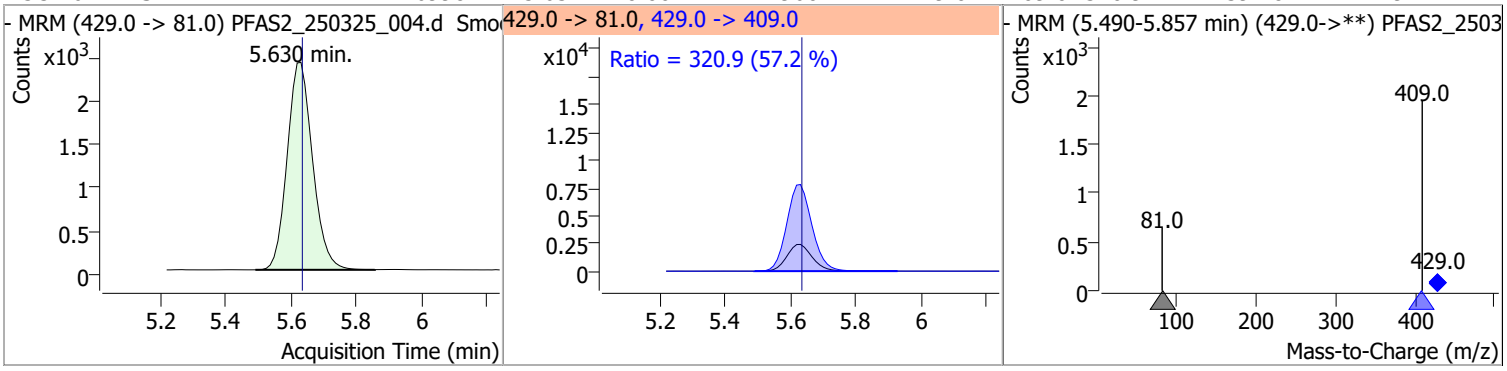


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

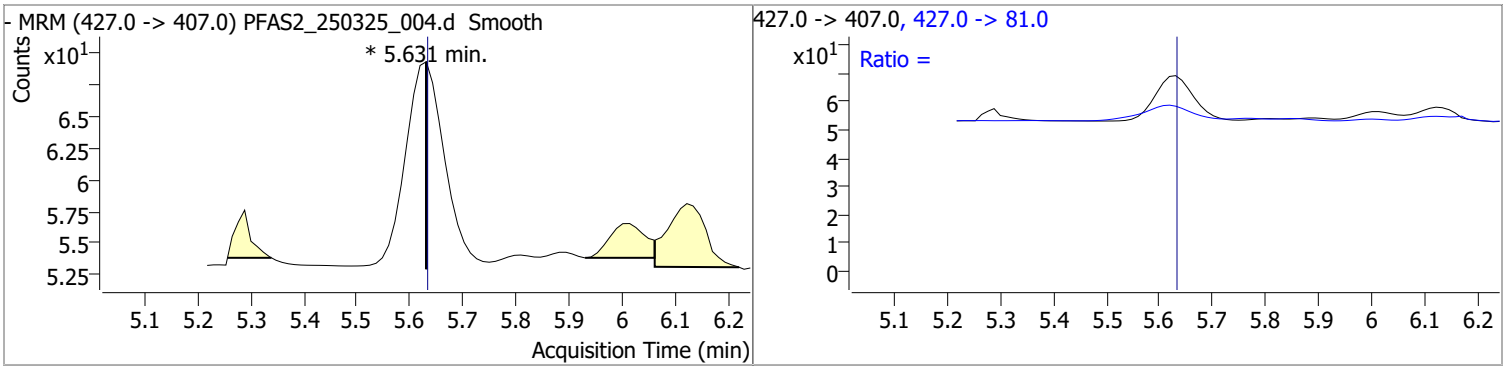




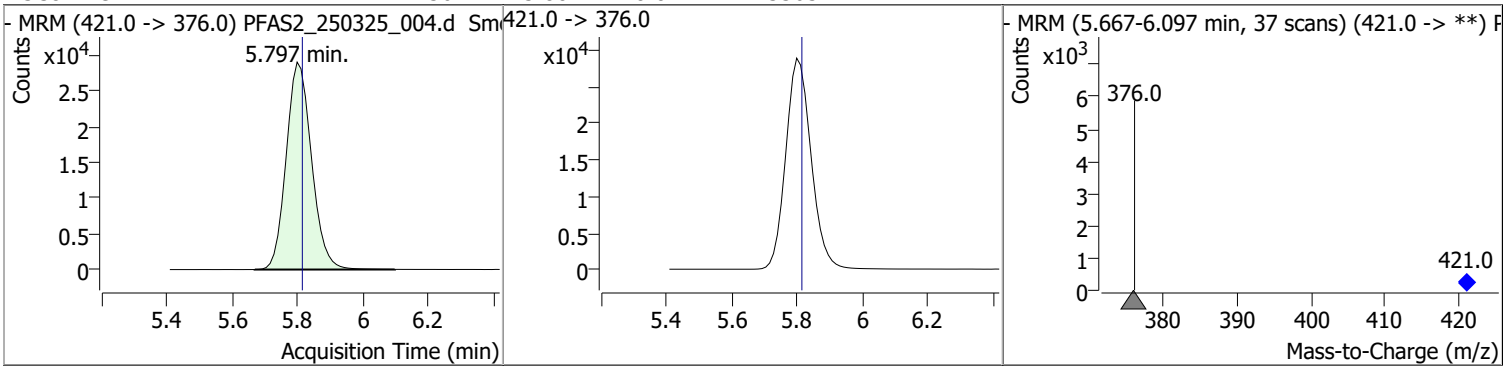
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6998	5.63	0.00	12960	429.0 -> 409.0	320.9	392.8	729.4



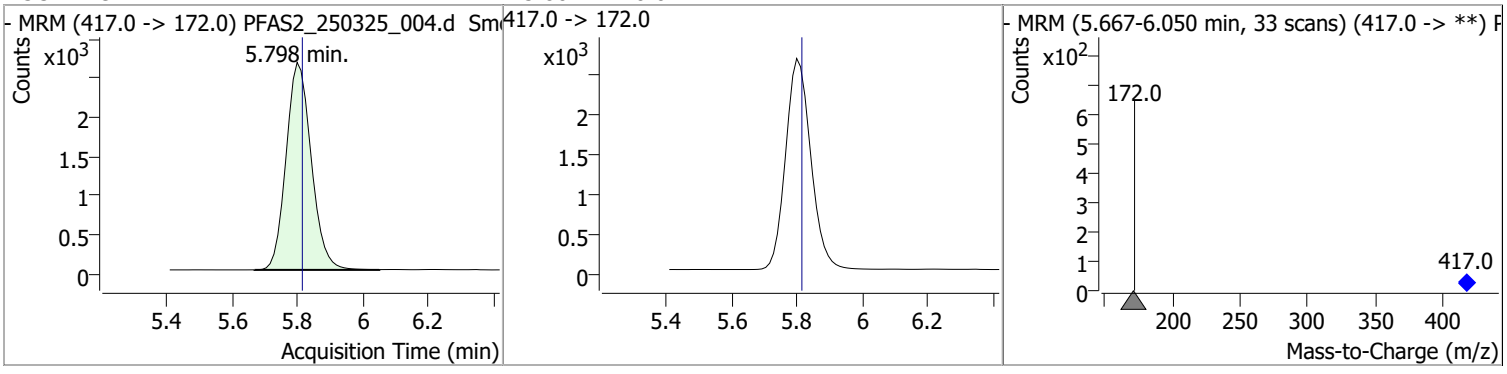
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



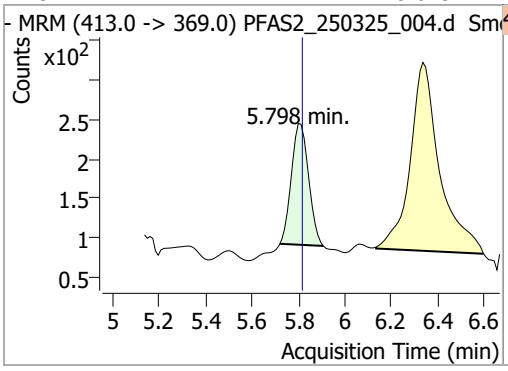
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4562	5.80	-0.01	155652				

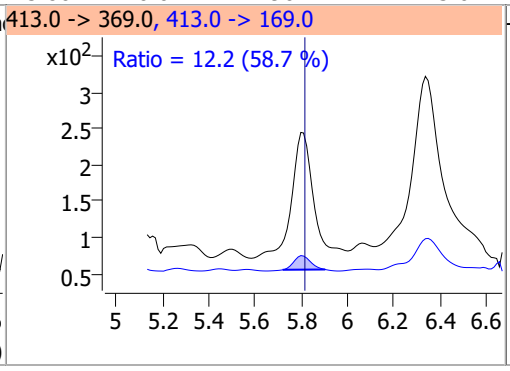


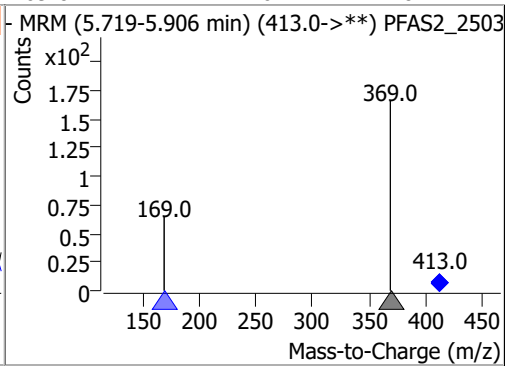
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.80	-0.01	14171				



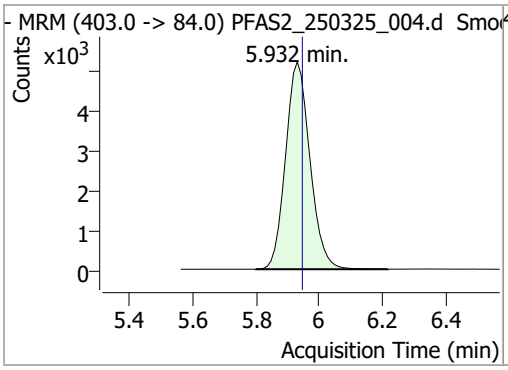
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0491	5.80	-0.01	790	413.0 -> 169.0	12.2	14.6	27.0

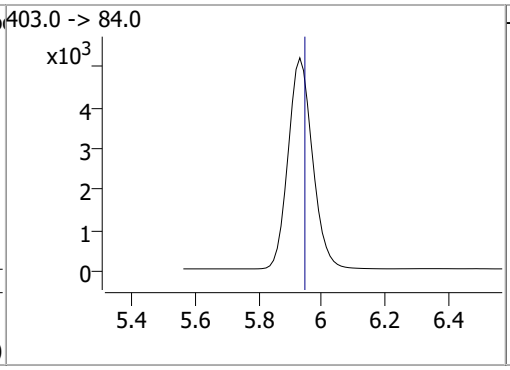


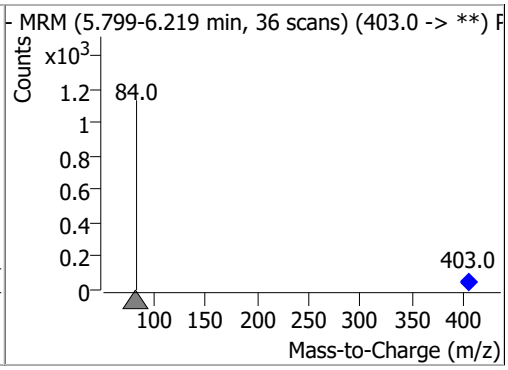




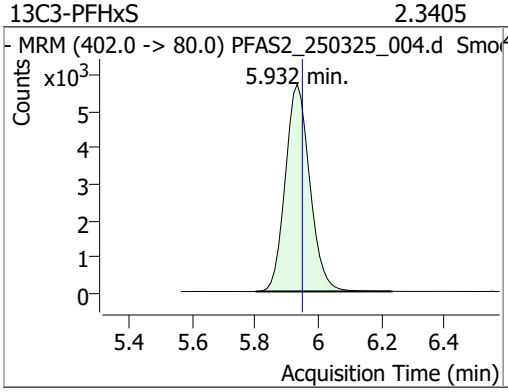
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.93	-0.01	27692				

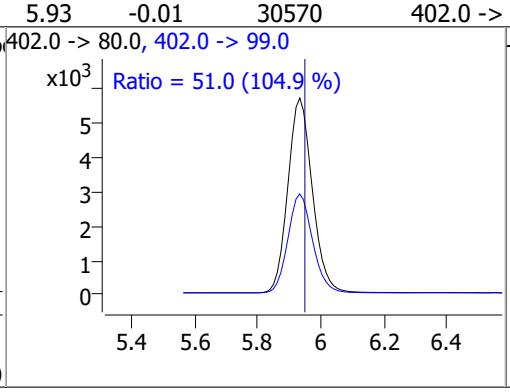


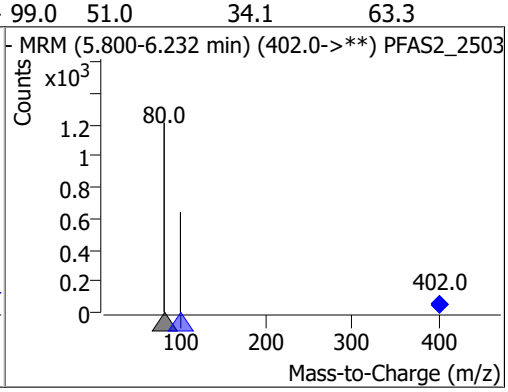




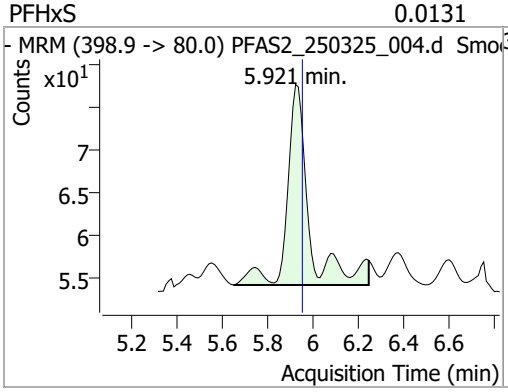
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3405	5.93	-0.01	30570	402.0 -> 99.0	51.0	34.1	63.3

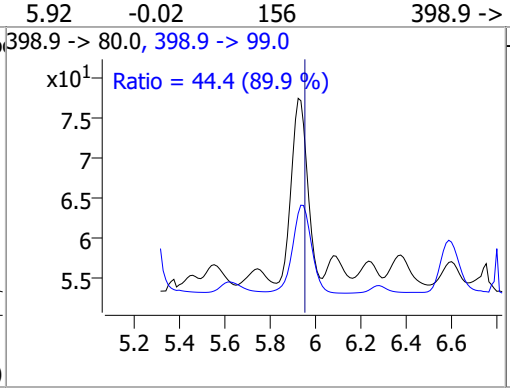


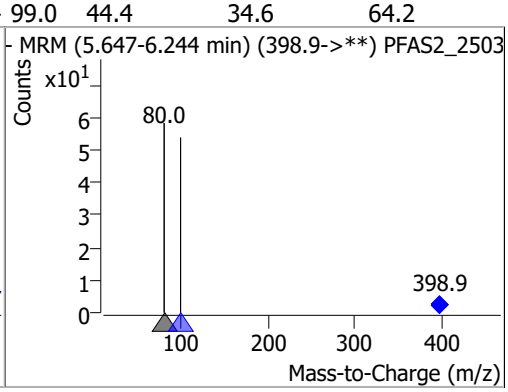




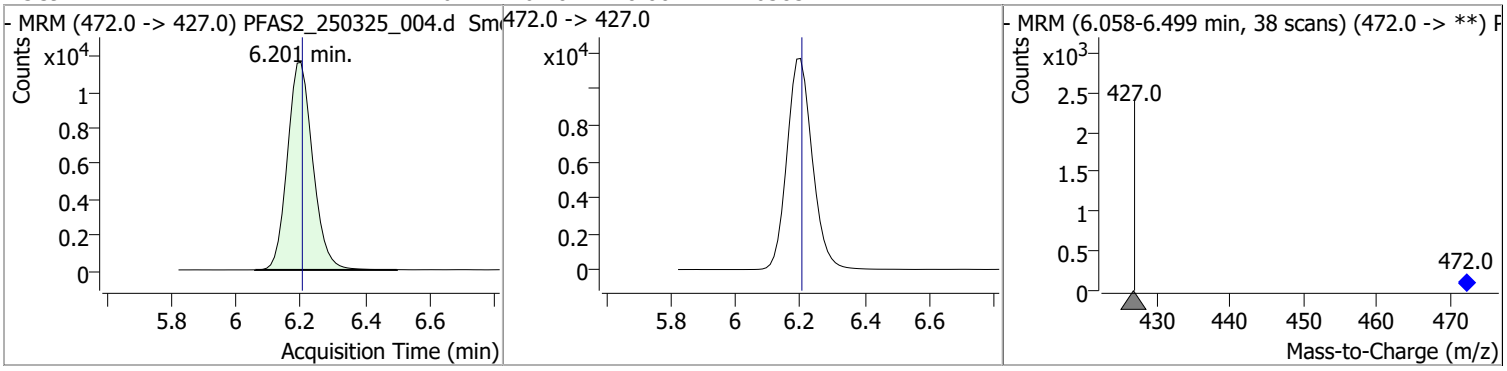
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0131	5.92	-0.02	156	398.9 -> 99.0	44.4	34.6	64.2



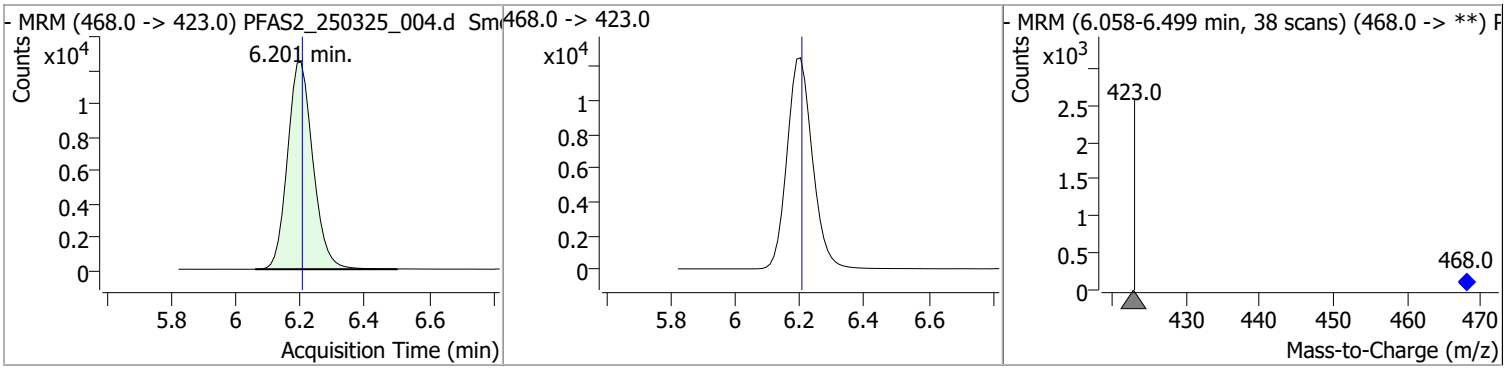




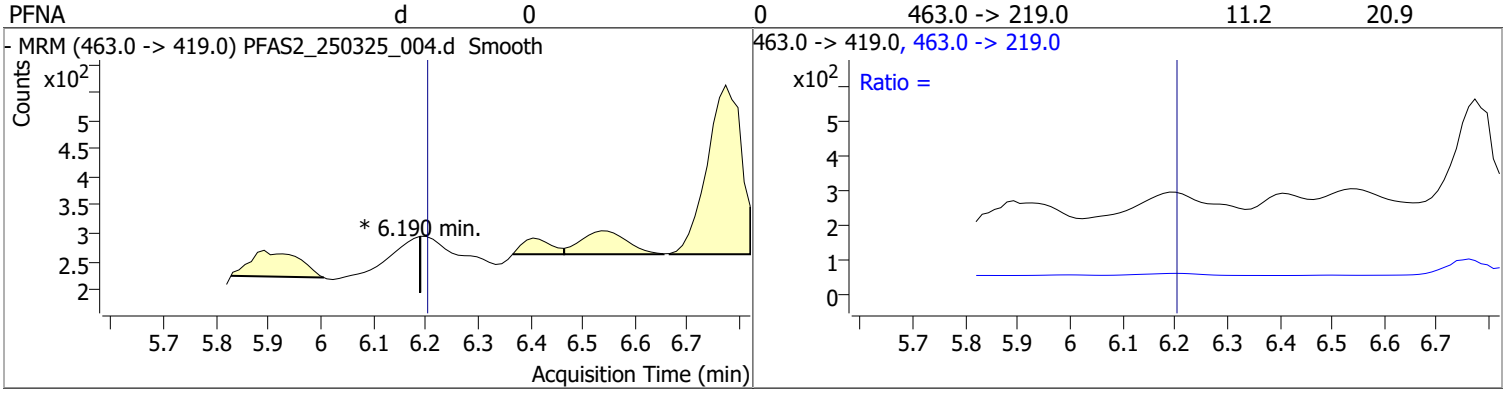
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1761	6.20	0.00	63857				



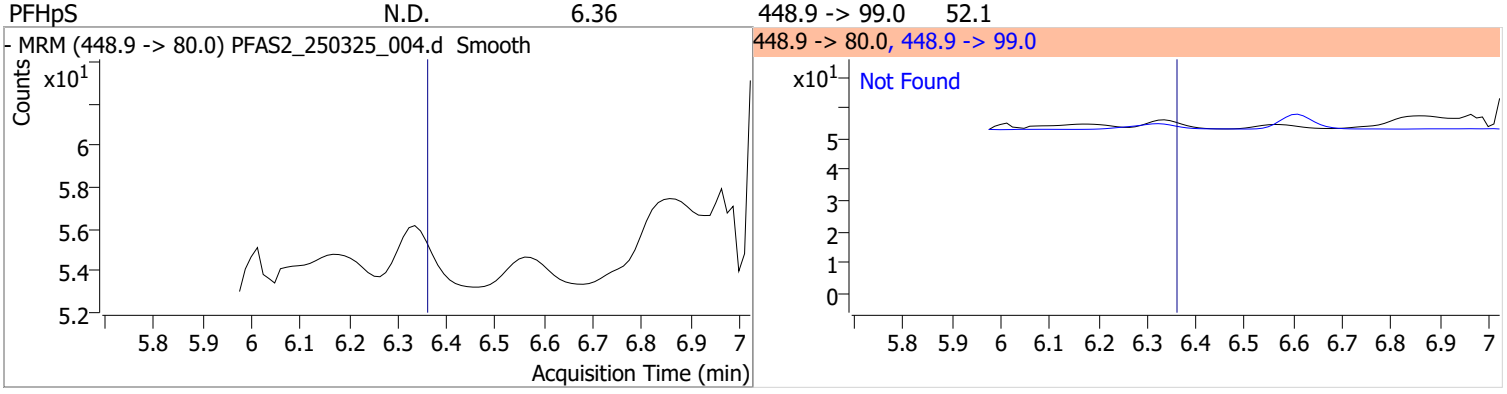
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.20	0.00	68521				



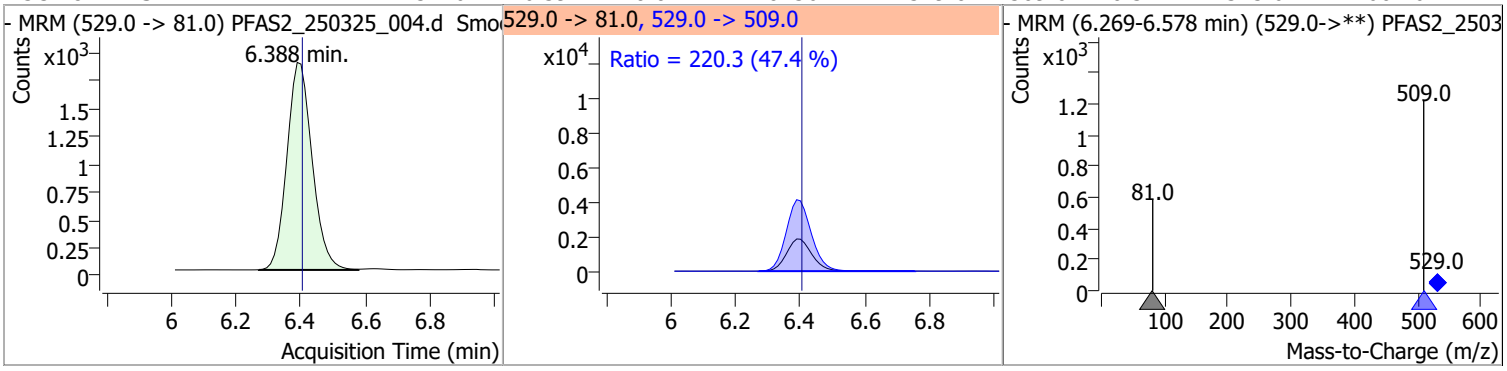
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



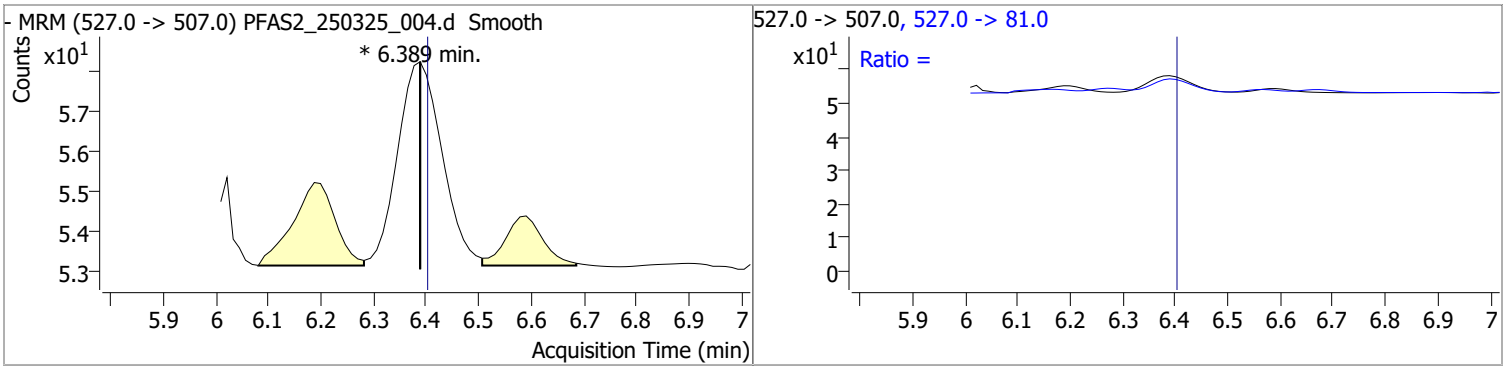
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



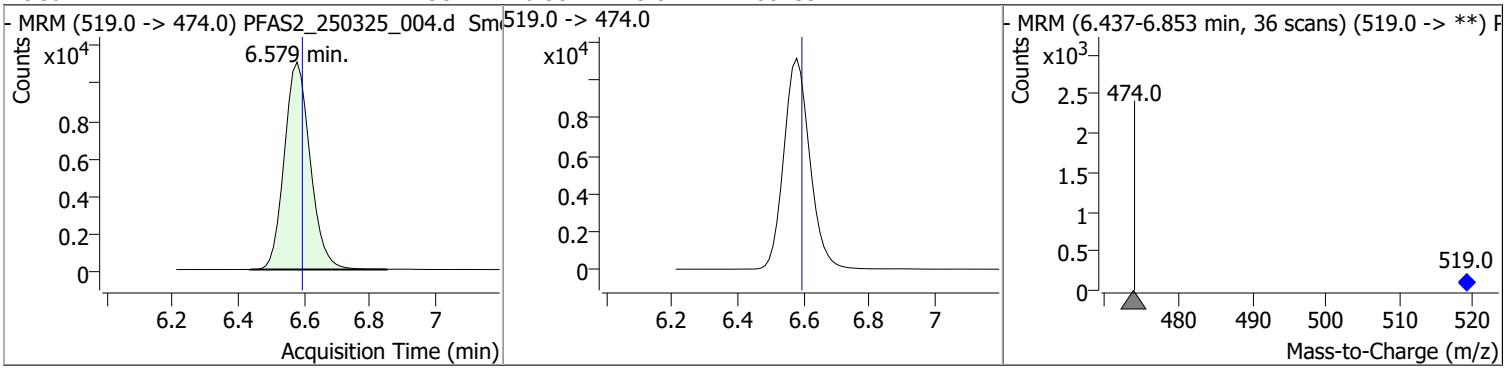
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5716	6.39	-0.01	10136	529.0 -> 509.0	220.3	325.6	604.6



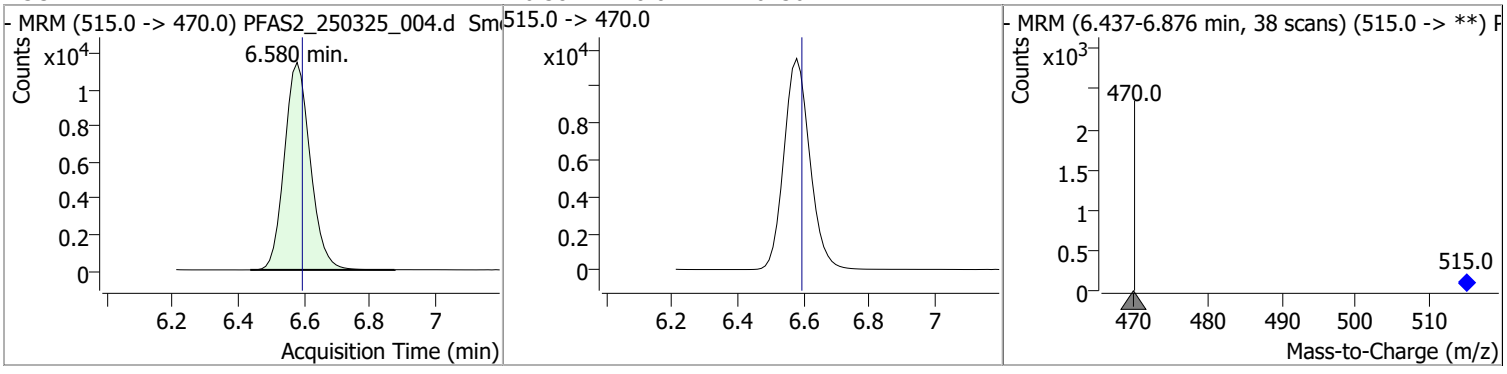
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



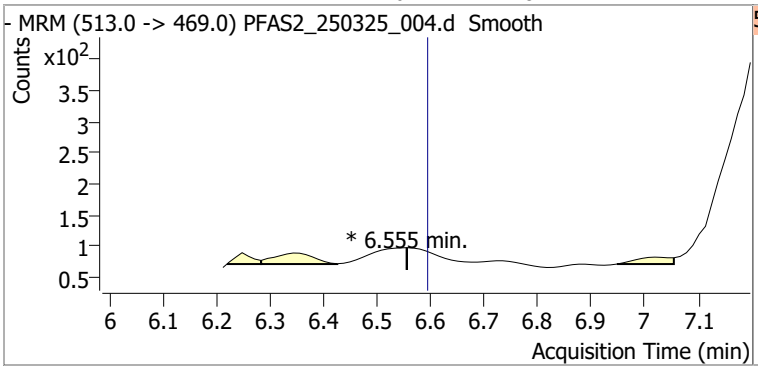
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1934	6.58	-0.01	60759				

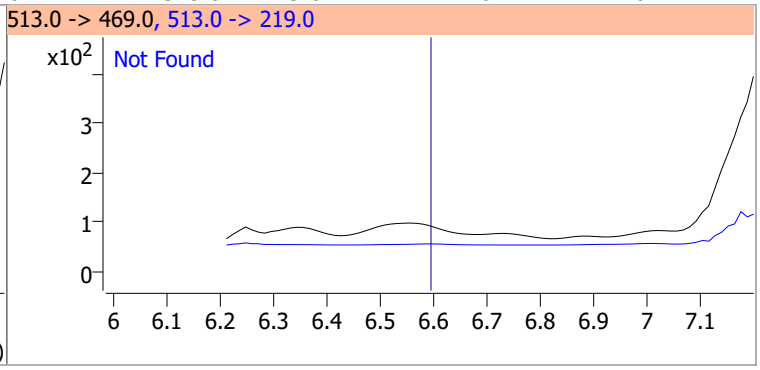


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.58	-0.01	62564				

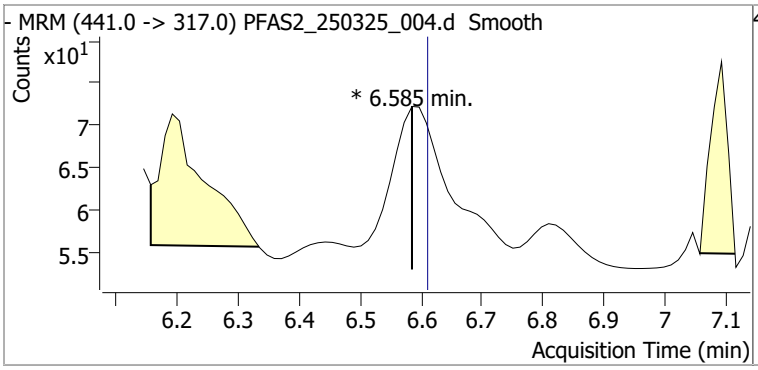


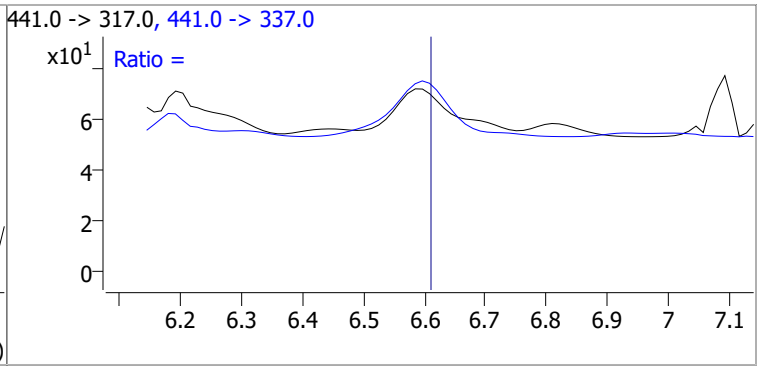
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



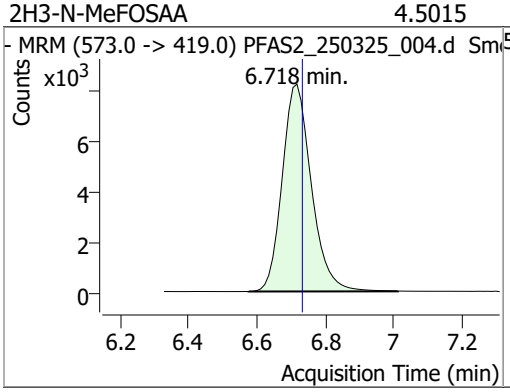


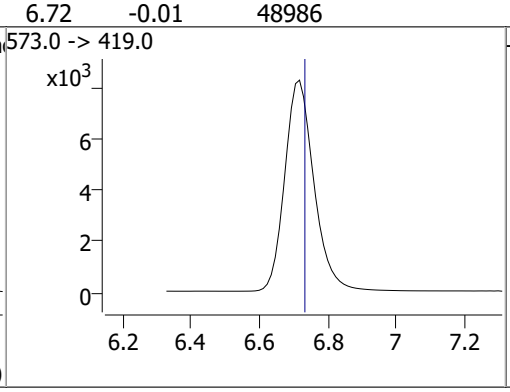
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

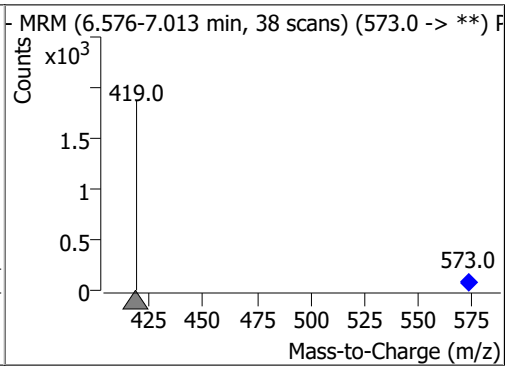




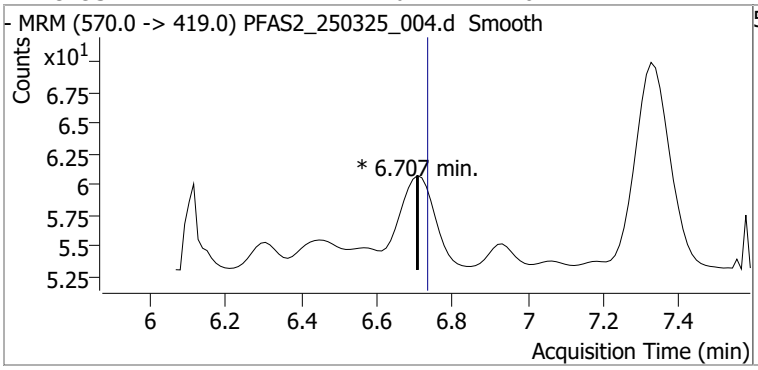
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5015	6.72	-0.01	48986				

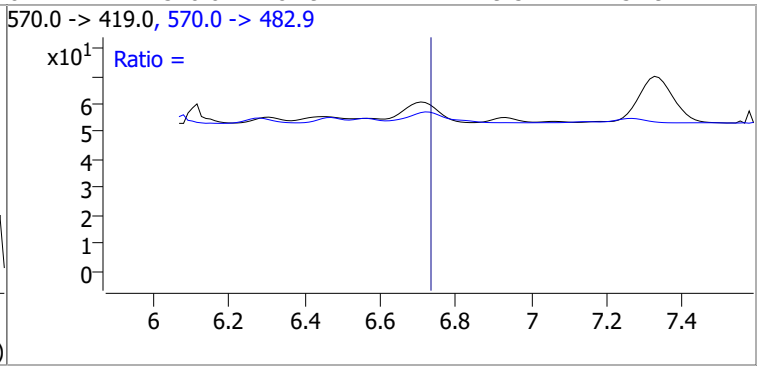




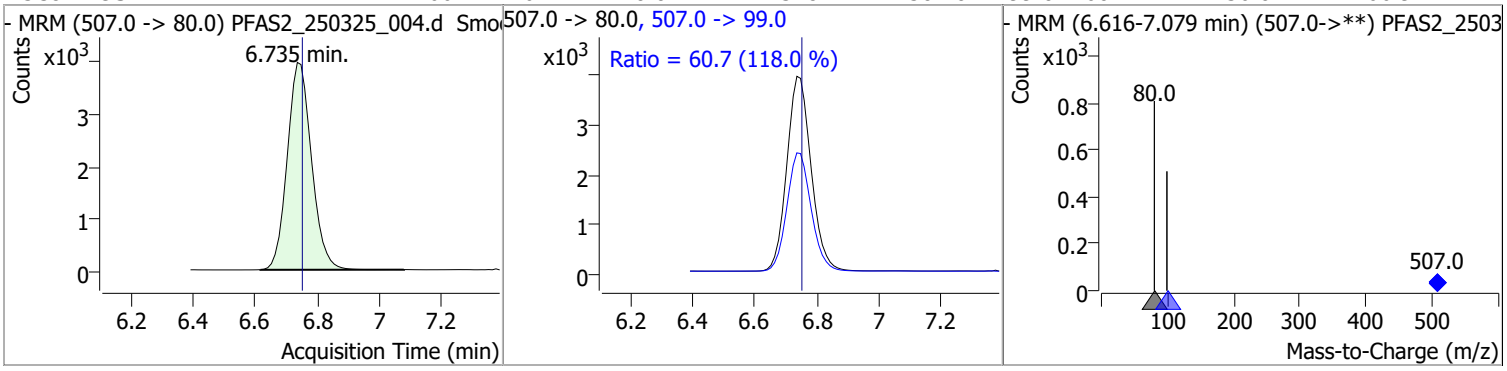


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

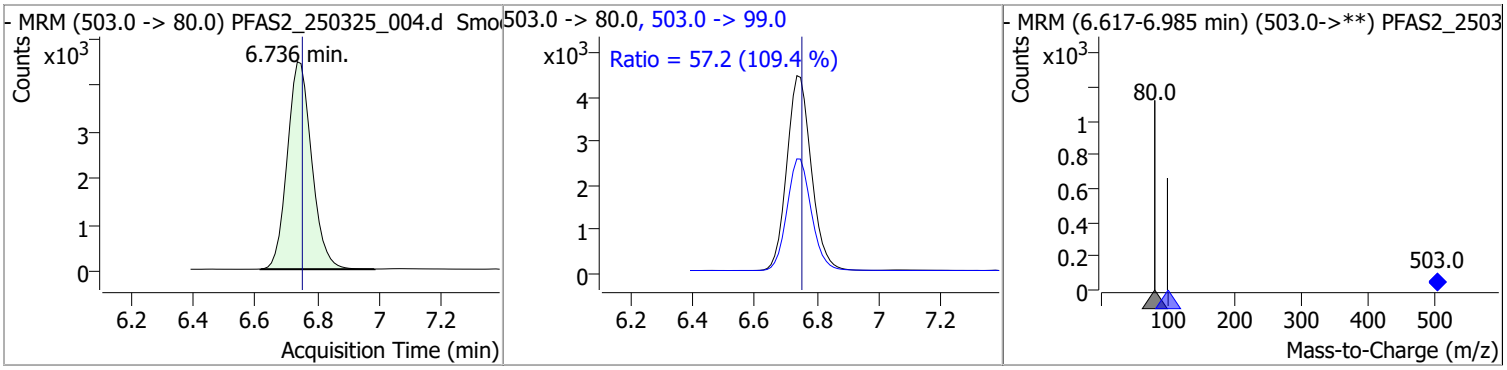




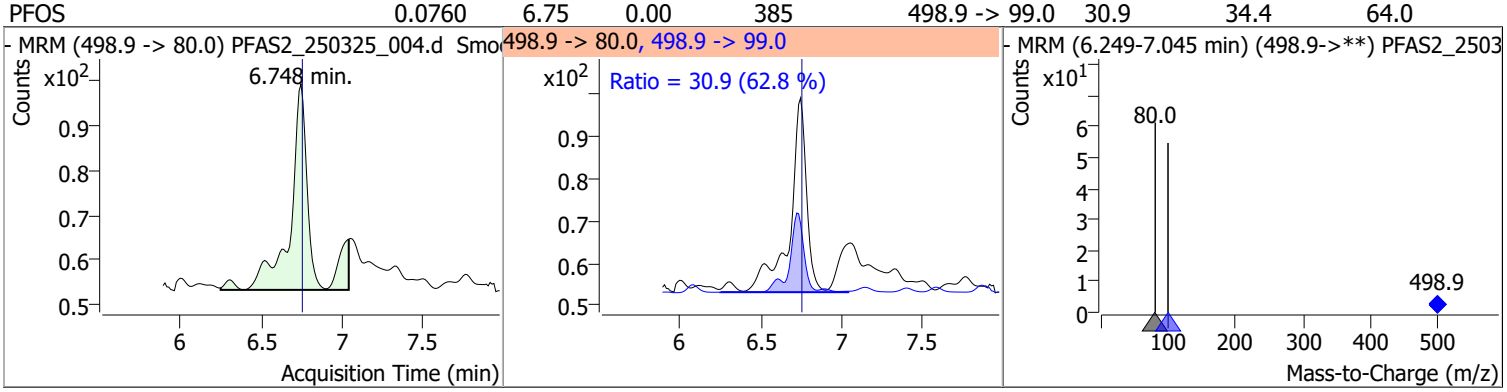
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.1667	6.74	-0.01	21328	507.0 -> 99.0	60.7	36.0	66.9



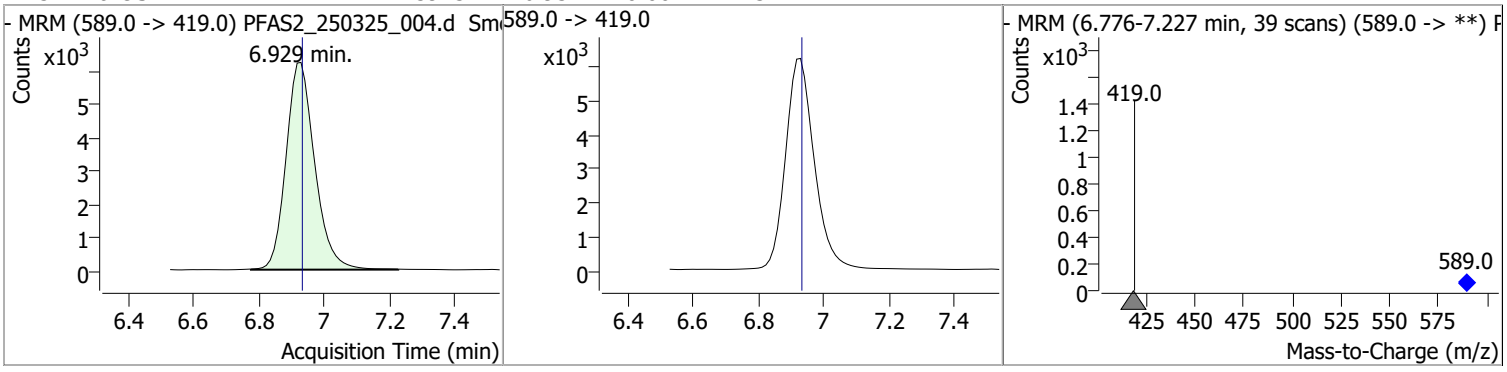
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.74	-0.01	24253	503.0 -> 99.0	57.2	36.6	67.9



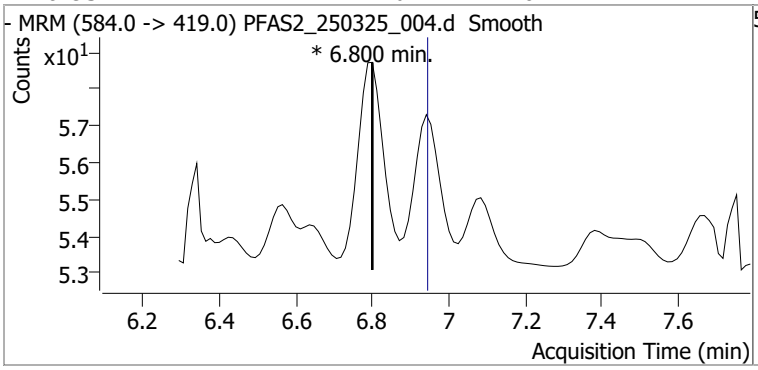
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0760	6.75	0.00	385	498.9 -> 99.0	30.9	34.4	64.0

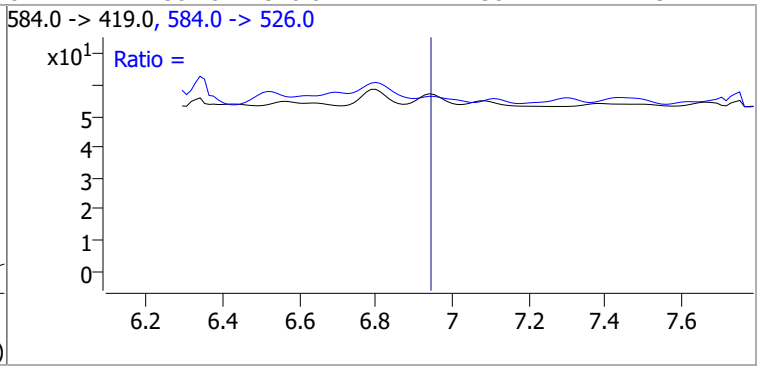


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.5913	6.93	0.00	37721				

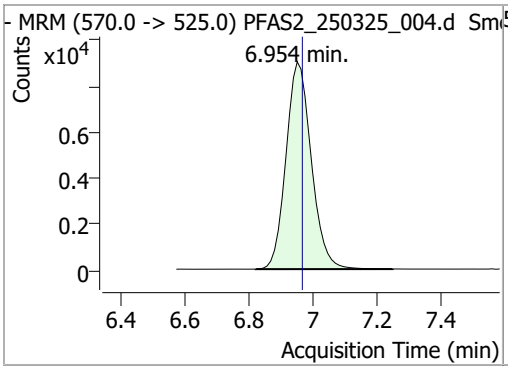


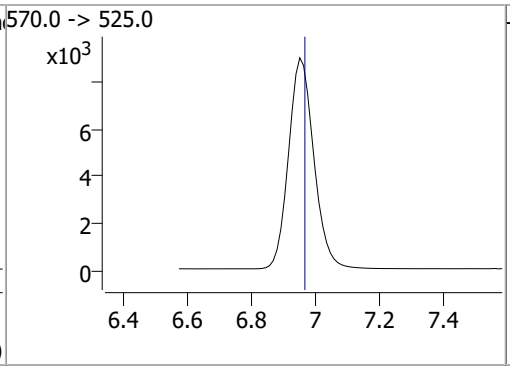
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

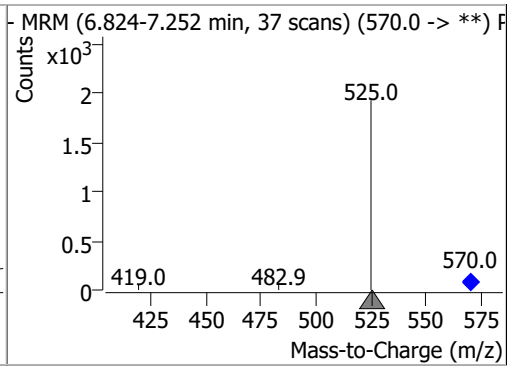




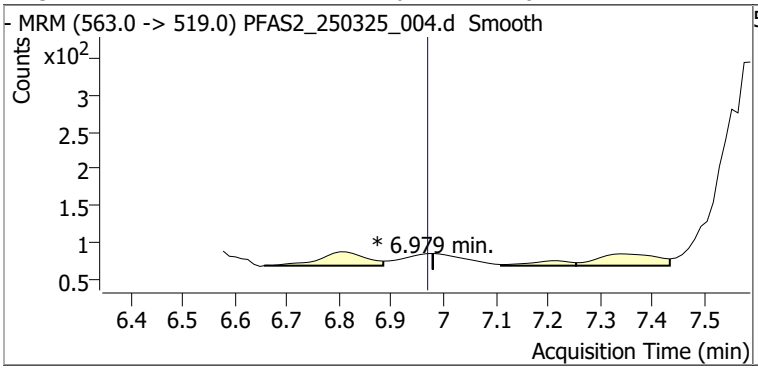
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2320	6.95	-0.01	49430				

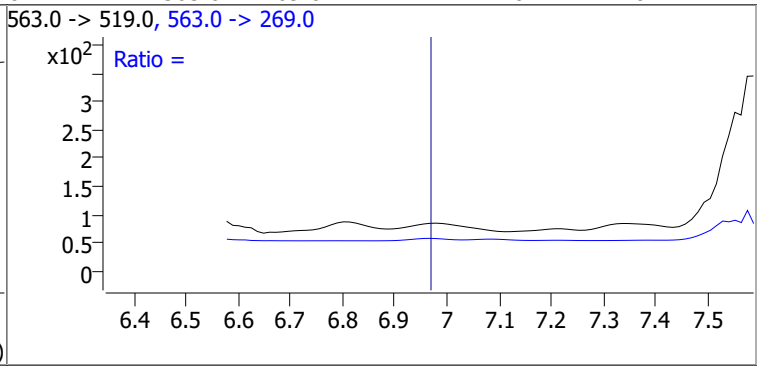




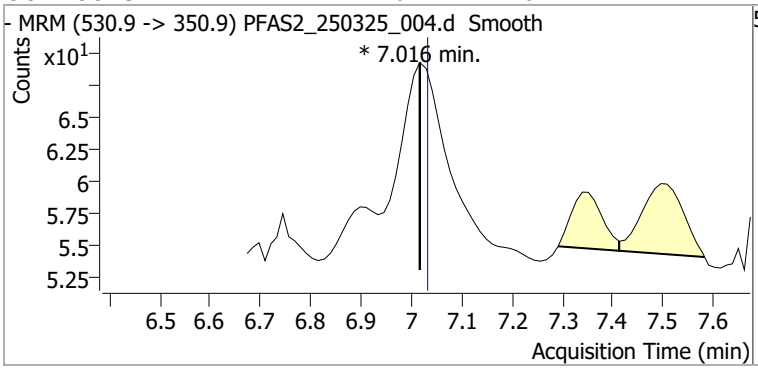


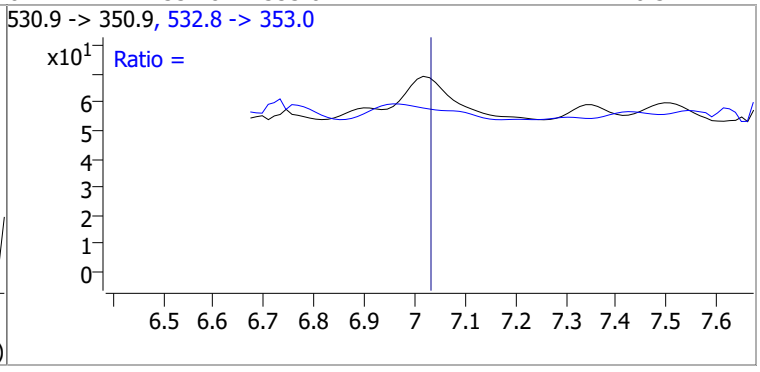
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



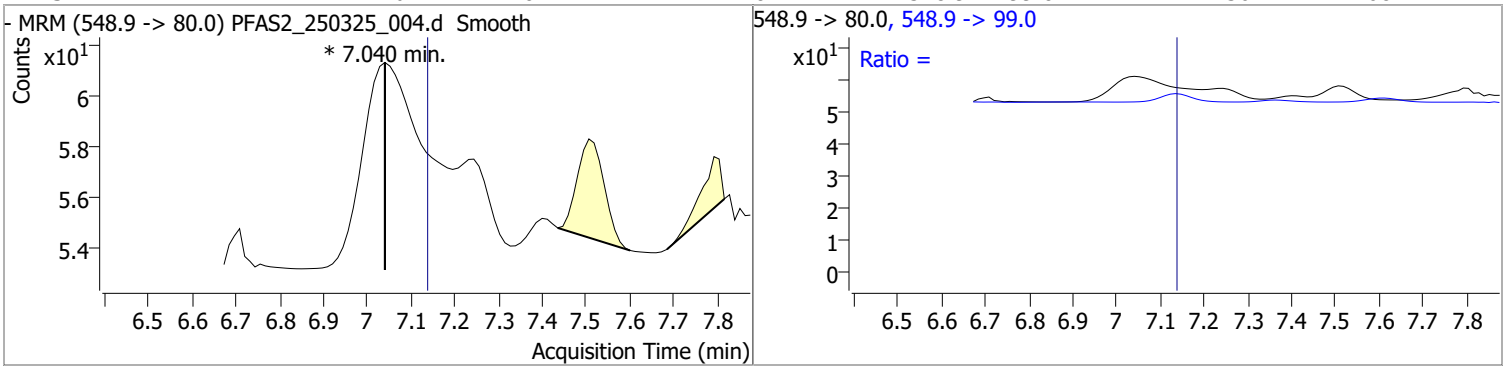


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

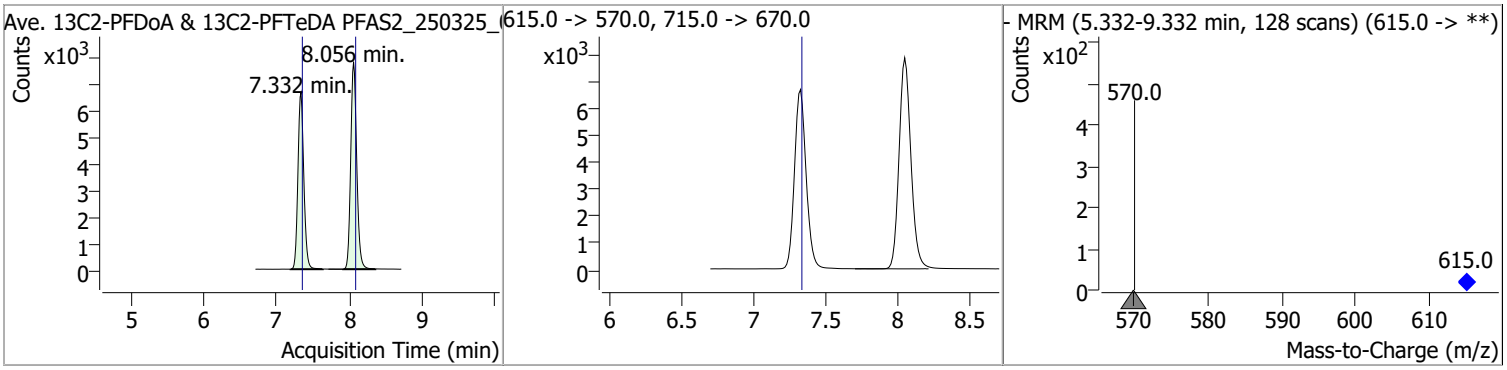




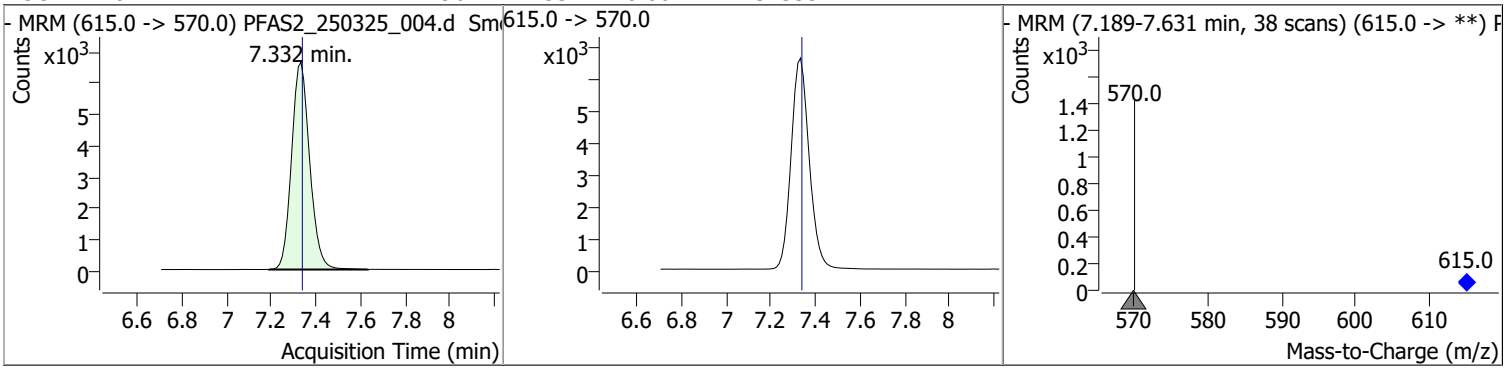
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



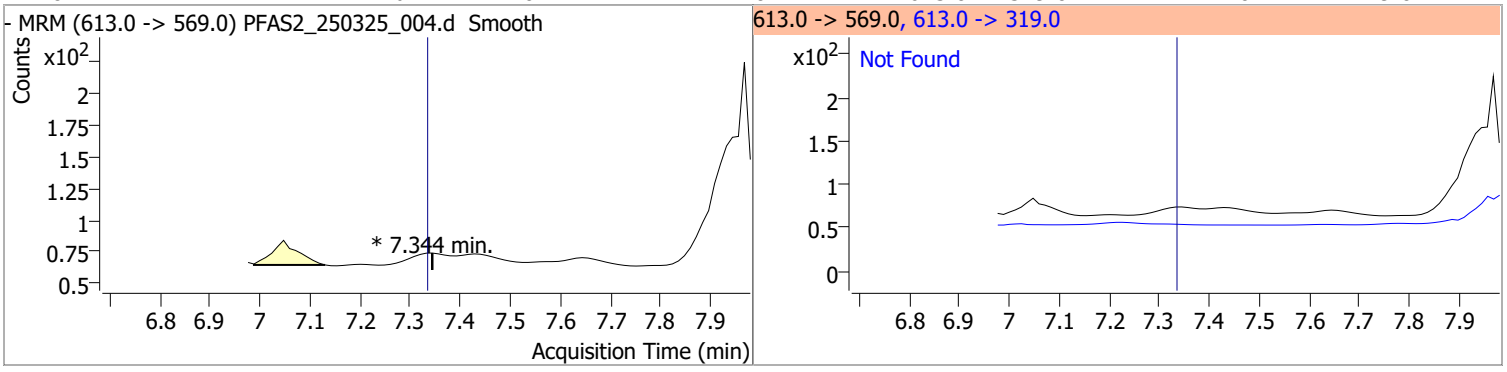
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2428	7.69	0.36	41100				



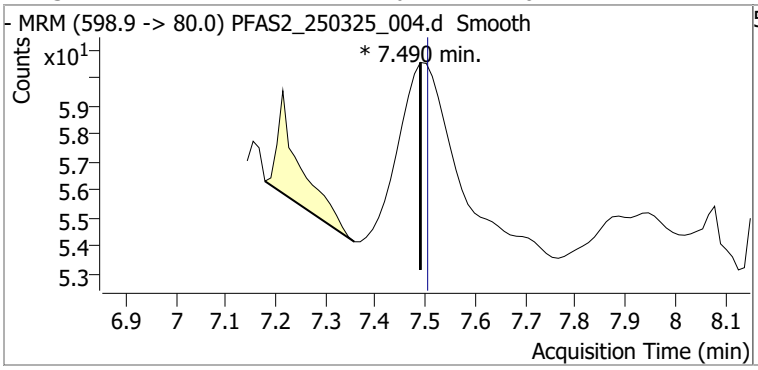
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2496	7.33	0.00	37355				

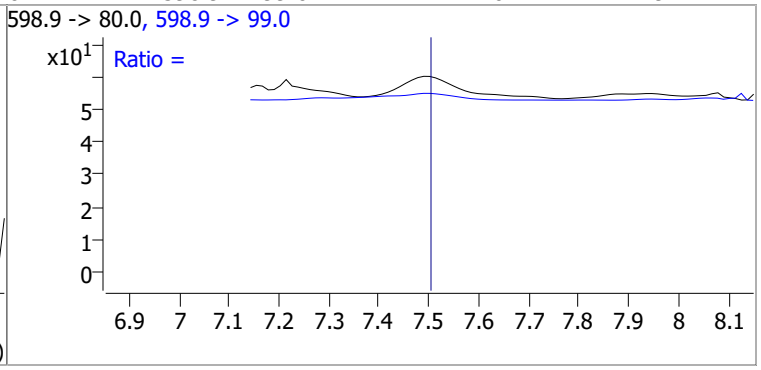


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

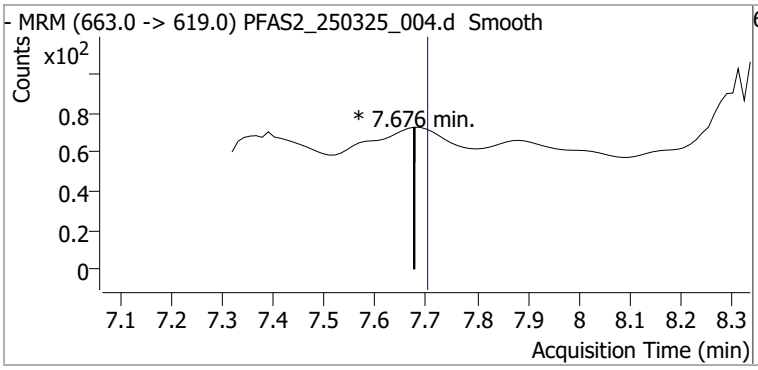


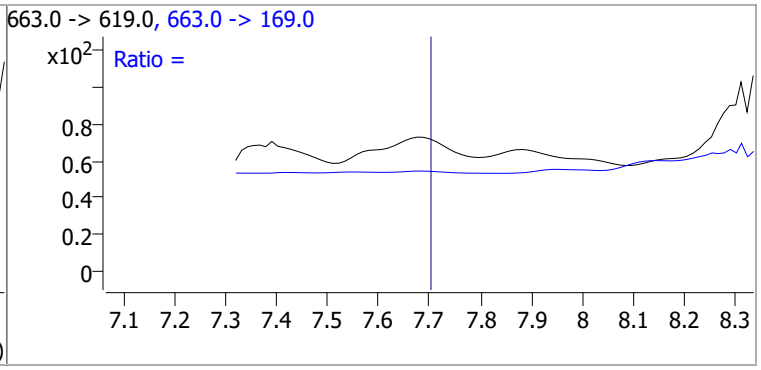
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



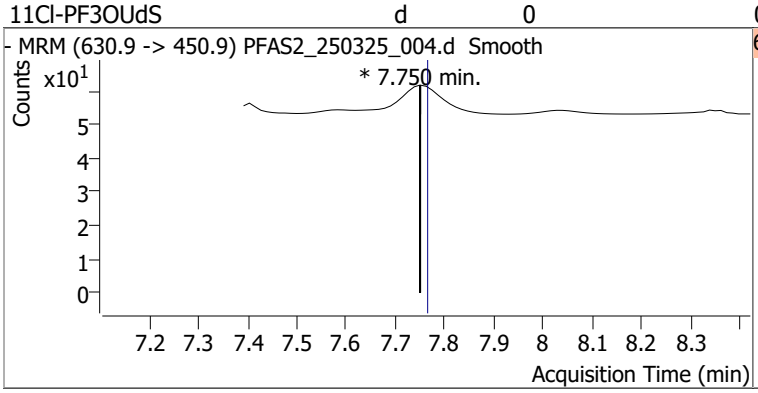


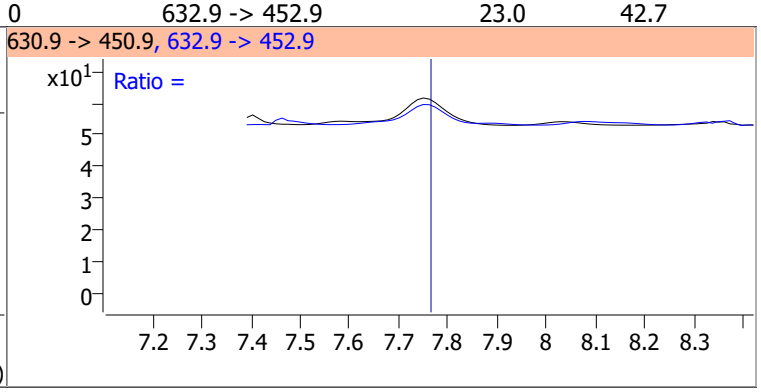
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



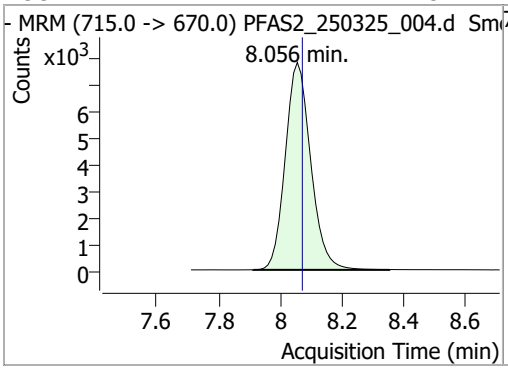


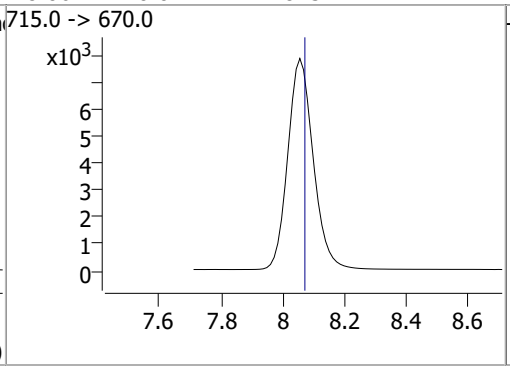
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

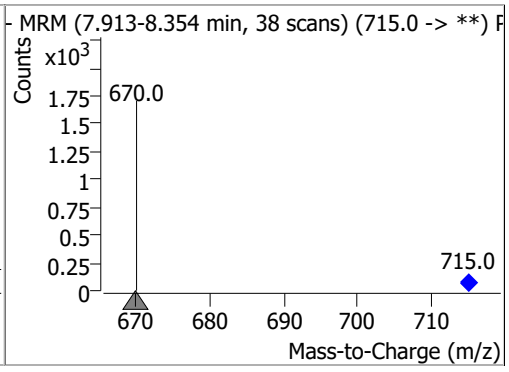




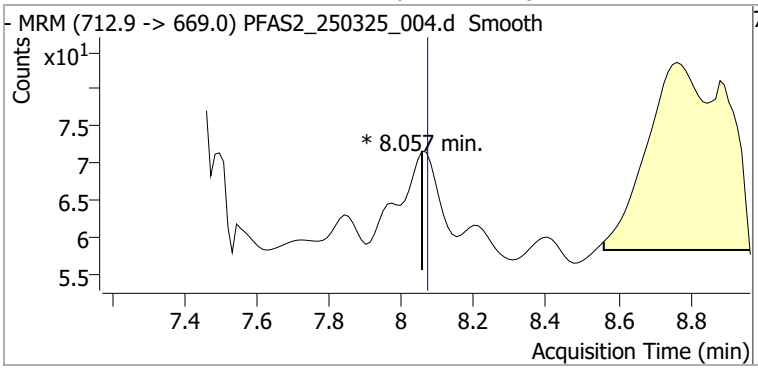
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2372	8.06	-0.01	44845				

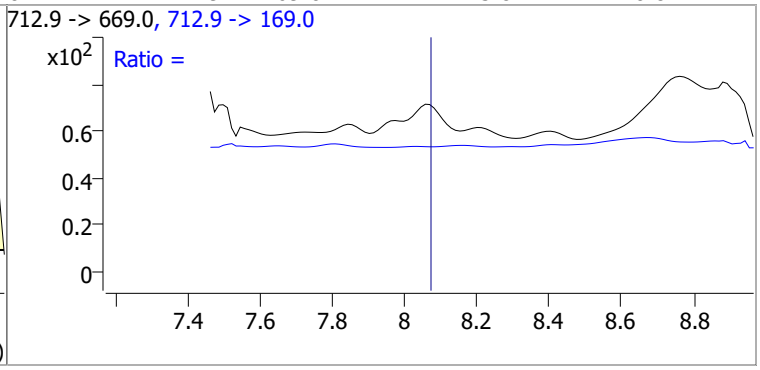




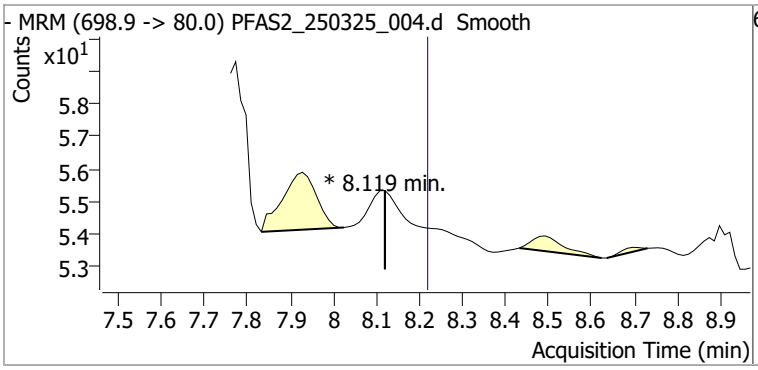


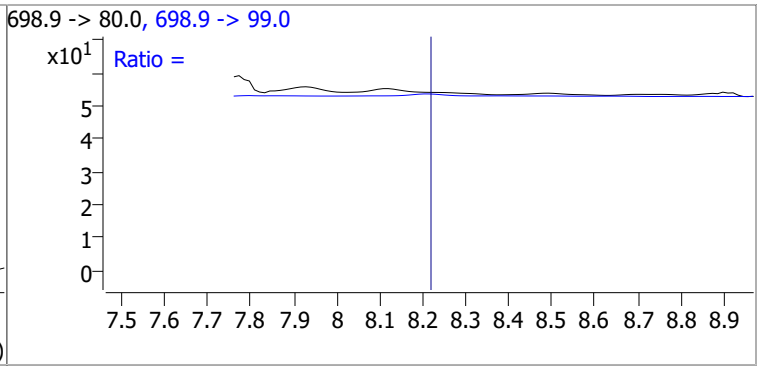
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



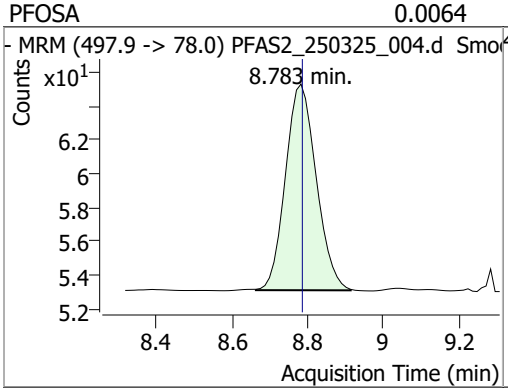


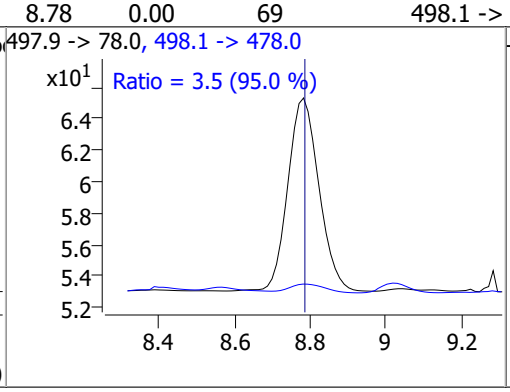
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

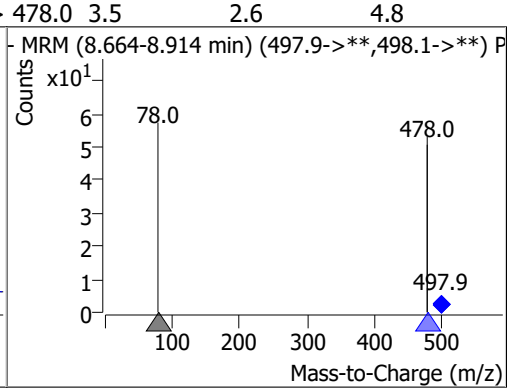




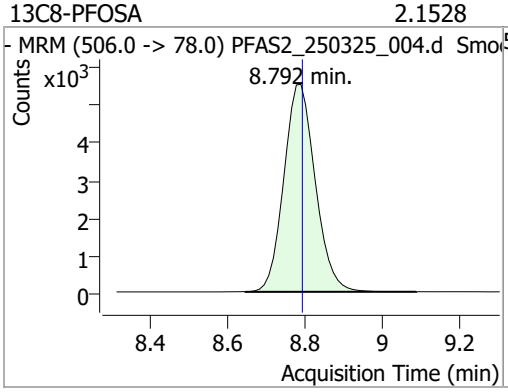
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0064	8.78	0.00	69	498.1 -> 478.0	3.5	2.6	4.8

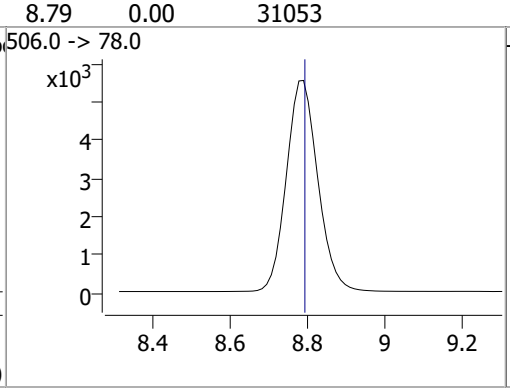


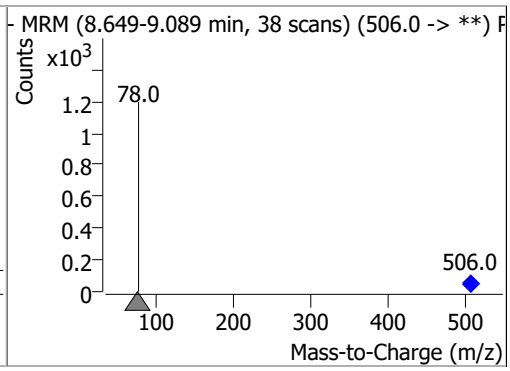




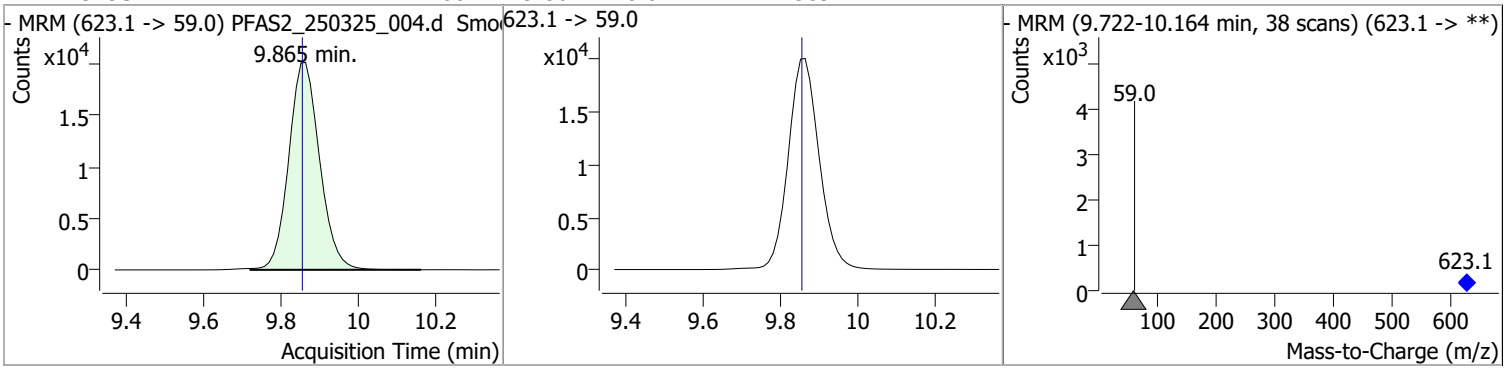
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1528	8.79	0.00	31053				



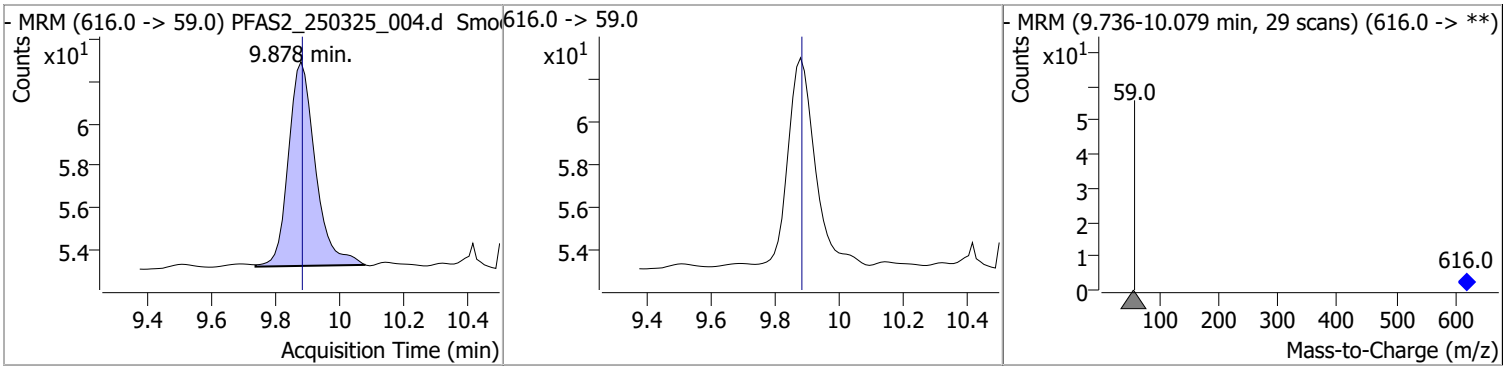




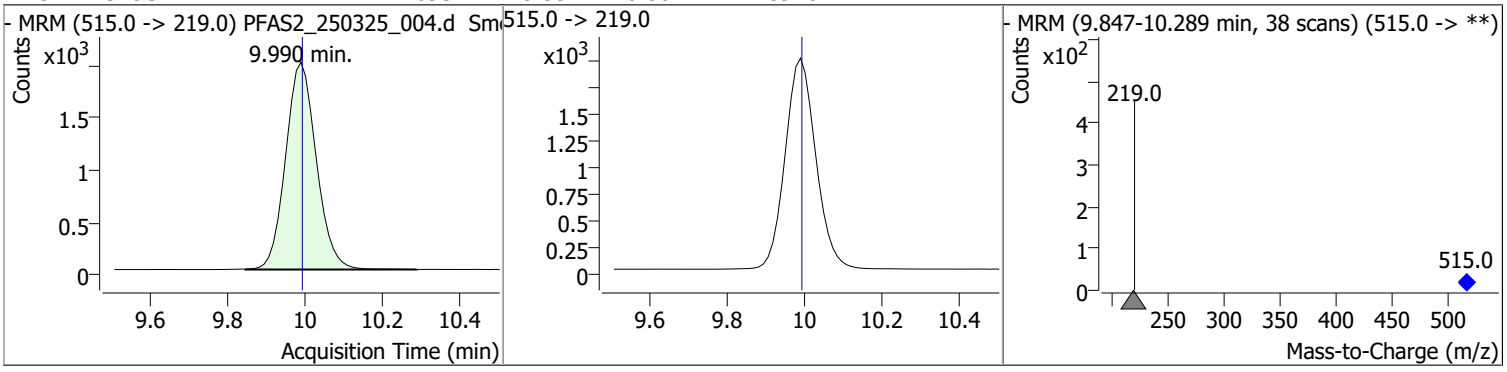
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.7807	9.86	0.01	111389				



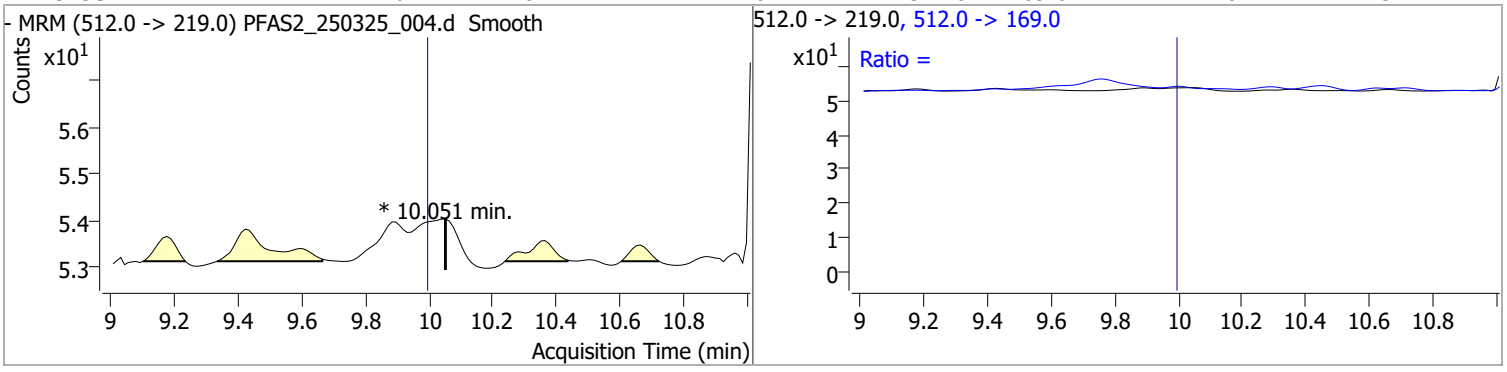
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	57				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6951	9.99	0.00	10910				

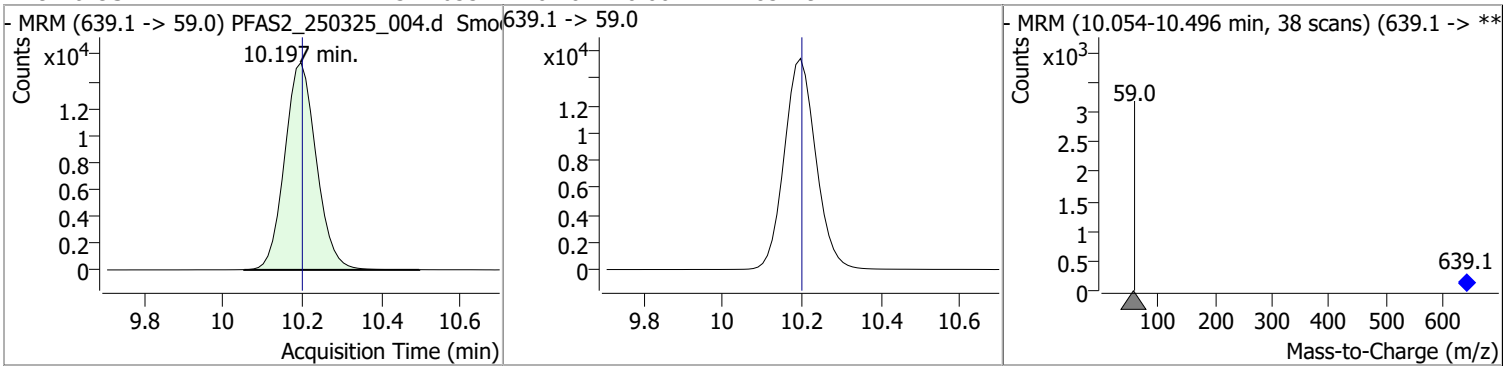


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2

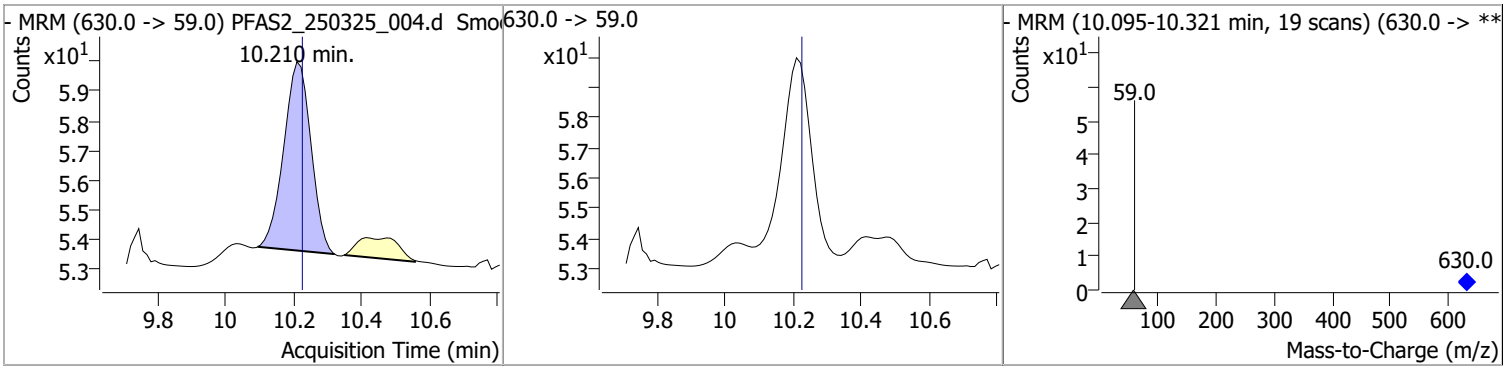


Quantitation Results Report (QT Reviewed)

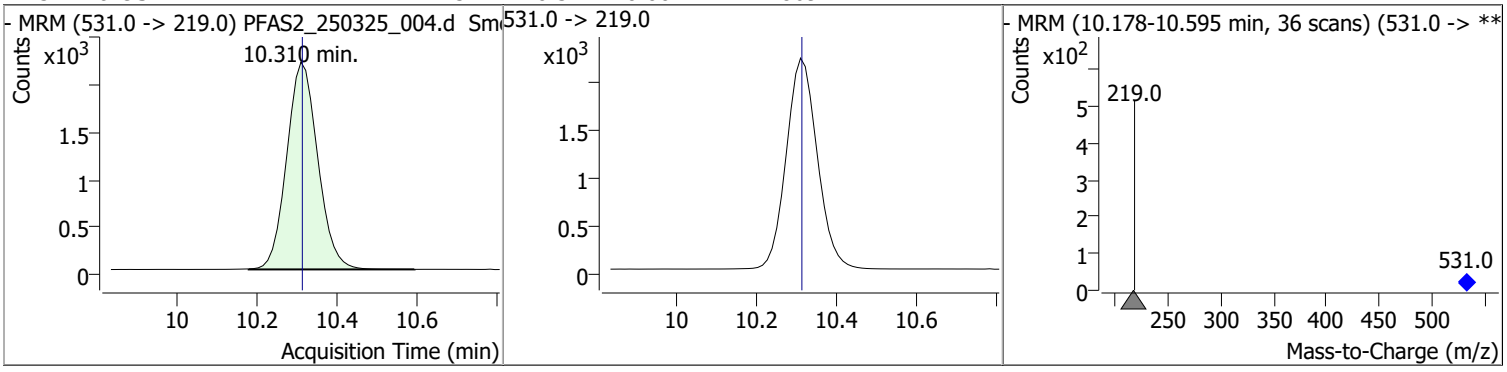
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	34.4655	10.20	0.00	85279				



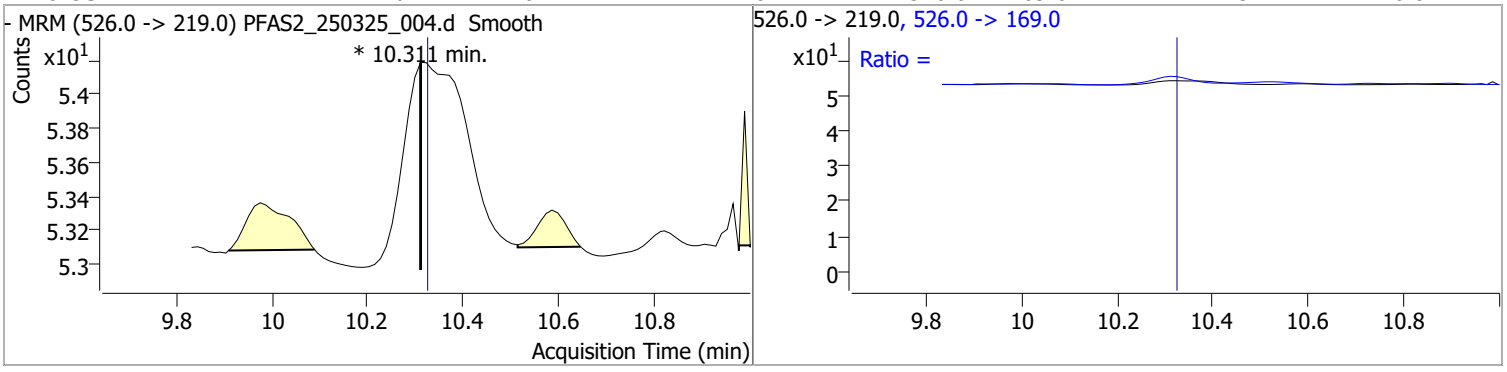
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0211	10.21	-0.01	35				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7115	10.31	0.00	11869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_004.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 2:46:19 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

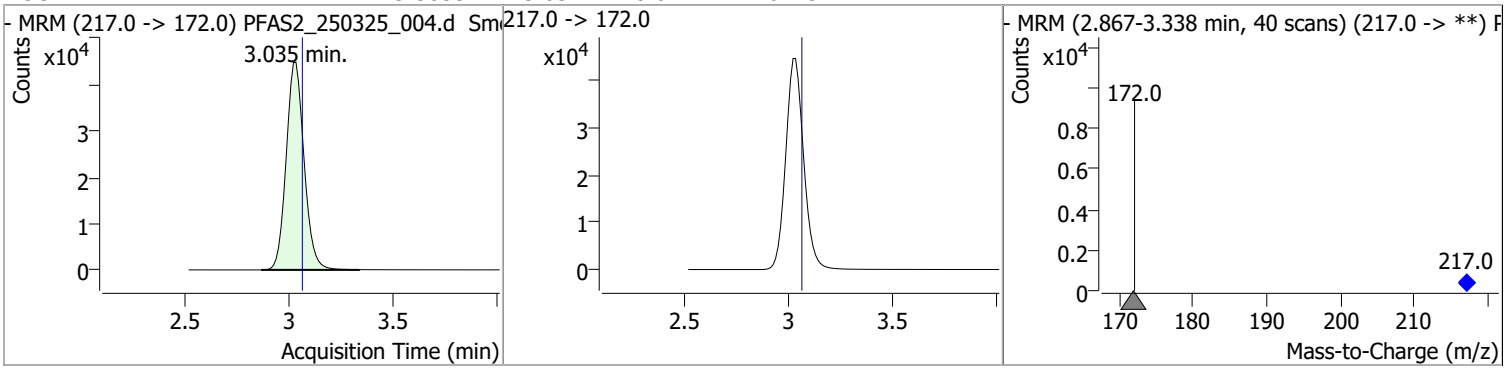
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.027	216.0 -> 172.0	122950	5.0000	µg/L		-10.152
13C2-PFHxA	4.865	315.0 -> 270.0	135235	2.5000	µg/L		-11.856
18O2-PFHxS	5.932	403.0 -> 84.0	27692	2.5000	µg/L		-6.541
13C4-PFOA	5.798	417.0 -> 172.0	14171	2.5000	µg/L		-8.268
13C5-PFNA	6.201	468.0 -> 423.0	68521	1.2500	µg/L		-3.725
13C2-PFDA	6.580	515.0 -> 470.0	62564	1.2500	µg/L		-6.448
13C4-PFOS	6.736	503.0 -> 80.0	24253	2.5000	µg/L		-2.634
System Monitoring Compounds							
13C4-PFBA	3.035	217.0 -> 172.0	267757	10.0000	µg/L		-13.857
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.83%			
13C5-PFPeA	4.198	268.0 -> 223.0	181299	5.0000	µg/L		-12.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.41%			
13C5-PFPeA	4.198	268.0 -> 223.0	181299	5.0000	µg/L		-12.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.41%			
13C2-4-2 FTSA	4.685	329.0 -> 81.0	23870	5.0000	µg/L		-5.521
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.50%			
13C5-PFHxA	4.877	318.0 -> 273.0	137165	2.5000	µg/L		-18.763
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.14%			
13C5-PFHxA	4.877	318.0 -> 273.0	137165	2.5000	µg/L		-18.763
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.14%			
13C3-PFBS	4.905	302.0 -> 80.0	54412	2.5000	µg/L		-10.394
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.98%			
13C3-HFPO-DA	5.062	287.0 -> 169.0	159531	10.0000	µg/L		-8.720
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 103.55%			
13C4-PFHpA	5.374	367.0 -> 322.0	161817	2.5000	µg/L		-14.331
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.22%			
13C3-PFHxS	5.932	402.0 -> 80.0	30570	2.5000	µg/L		-12.527
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.62%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	12960	5.0000	µg/L	#	-12.248
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 94.00%			
13C8-PFOA	5.797	421.0 -> 376.0	155652	2.5000	µg/L		-9.892
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.25%			
13C3-PFHxS	5.932	402.0 -> 80.0	30570	2.5000	µg/L		-12.527
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.62%			
13C9-PFNA	6.201	472.0 -> 427.0	63857	1.2500	µg/L		-9.376
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.09%			
13C8-PFOS	6.735	507.0 -> 80.0	21328	2.5000	µg/L		-15.646
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.67%			
13C2-8-2 FTSA	6.388	529.0 -> 81.0	10136	5.0000	µg/L	#	-14.436
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.43%			
13C6-PFDA	6.579	519.0 -> 474.0	60759	1.2500	µg/L		-10.597
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.47%			
2H3-N-MeFOSAA	6.718	573.0 -> 419.0	48986	5.0000	µg/L		-12.240
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 90.03%			
13C8-PFOS	6.735	507.0 -> 80.0	21328	2.5000	µg/L		-15.646

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.67%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	37721	5.0000	µg/L		-10.550
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.83%			
13C7-PFUnDA	6.954	570.0 -> 525.0	49430	1.2500	µg/L		-7.785
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.56%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.694	615.0 -> 570.0	41100	1.2500	µg/L		-6.834
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.42%			
13C2-PFDoDA	7.332	615.0 -> 570.0	37355	1.2500	µg/L		-6.484
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.97%			
13C2-PFTDA	8.056	715.0 -> 670.0	44845	1.2500	µg/L		-7.124
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.97%			
13C8-PFOSA	8.792	506.0 -> 78.0	31053	2.5000	µg/L		-15.985
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.11%			
13C8-PFOSA	8.792	506.0 -> 78.0	31053	2.5000	µg/L		-15.985
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.11%			
2H7-MeFOSE	9.865	623.1 -> 59.0	111389	25.0000	µg/L		-11.346
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 91.12%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10910	2.5000	µg/L		5.211
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.80%			
2H9-EtFOSE	10.197	639.1 -> 59.0	85279	25.0000	µg/L		34.279
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 137.86%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11869	2.5000	µg/L		5.592
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 108.46%			
Target Compounds							QValue
PFBA	3.728	213.0 -> 169.0	50	0.0832	µg/L		100
PFMPA	3.578	229.0 -> 85.0	46	0.0577	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	9	0.0000	µg/L		21
PFPeA	4.199	263.0 -> 219.0	1167	0.0594	µg/L		100
PFMBA	4.441	279.0 -> 85.0	59	0.0360	µg/L		100
4-2 FTSA	4.674	327.0 -> 307.0	72	0.0049	µg/L	#	48
NFDHA	0.000		0	N.D.			
PFHxA	4.867	313.0 -> 269.0	274	0.0056	µg/L		89
PFBS	4.965	298.9 -> 80.0	58	0.0026	µg/L		94
HFPO-DA	5.063	285.0 -> 169.0	49	0.0034	µg/L	#	1
PFEESA	5.189	314.9 -> 135.0	122	0.0533	µg/L		80
PFHpA	5.362	363.0 -> 319.0	501	0.0293	µg/L	#	81
5-3 FTCA	5.435	341.0 -> 237.0	60	0.1924	µg/L	#	1
PFPeS	6.079	348.9 -> 80.0	9	0.0006	µg/L	#	69
DONA	5.527	377.0 -> 251.0	263	0.0703	µg/L	#	83
6-2 FTSA	5.631	427.0 -> 407.0	73	0.1180	µg/L	#	55
PFOA	5.798	413.0 -> 369.0	790	0.0491	µg/L	#	82
PFHxS	5.921	398.9 -> 80.0	156	0.0131	µg/L		93
PFNA	6.190	463.0 -> 419.0	132	0.0094	µg/L	#	57
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.389	527.0 -> 507.0	30	0.0788	µg/L	#	9
PFDA	6.555	513.0 -> 469.0	241	0.0022	µg/L		68
7-3 FTCA	6.585	441.0 -> 317.0	102	0.2796	µg/L		86
N-MeFOSAA	6.707	570.0 -> 419.0	73	0.0166	µg/L	#	76
PFOS	6.748	498.9 -> 80.0	385	0.0760	µg/L	#	73
N-EtFOSAA	6.800	584.0 -> 419.0	56	0.0190	µg/L	#	1
PFUnDA	6.979	563.0 -> 519.0	135	0.0169	µg/L		95
9Cl-PF3ONS	7.016	530.9 -> 350.9	84	0.0666	µg/L	#	50
PFNS	7.040	548.9 -> 80.0	46	0.0063	µg/L	#	63
PFDoDA	7.344	613.0 -> 569.0	78	0.0028	µg/L		65

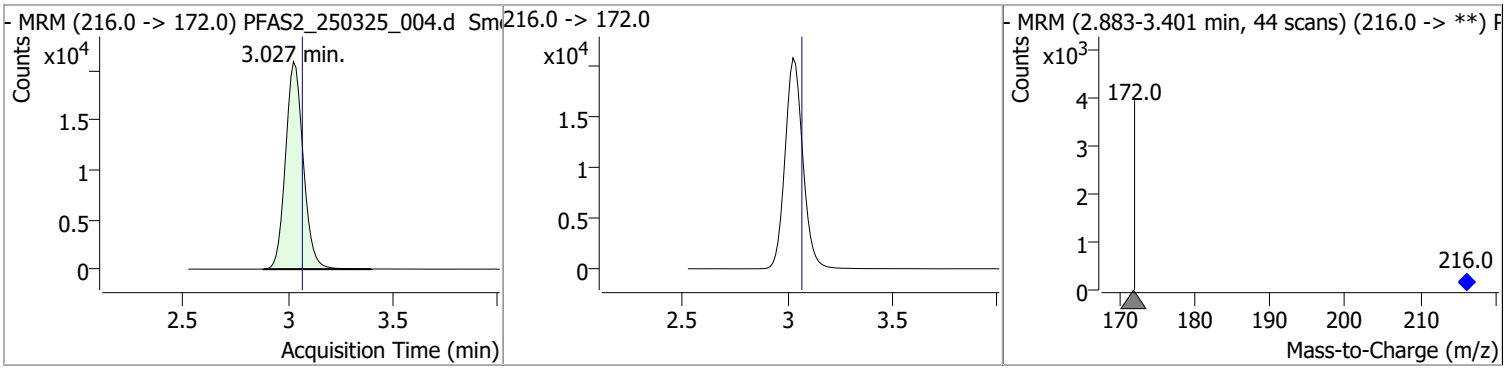
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.490	598.9 -> 80.0	53	0.0097	µg/L	#	40
PFTrDA	7.676	663.0 -> 619.0	41	0.0013	µg/L		98
11Cl-PF3OUdS	7.750	630.9 -> 450.9	44	0.0021	µg/L	#	8
PFTDA	8.057	712.9 -> 669.0	80	0.0086	µg/L	#	87
PFDoS	8.119	698.9 -> 80.0	6	0.0016	µg/L		89
PFOSA	8.783	497.9 -> 78.0	69	0.0064	µg/L		99
MeFOSE	9.878	616.0 -> 59.0	57	0.0000	µg/L		100
N-MeFOSA	10.051	512.0 -> 219.0	13	0.0031	µg/L		75
EtFOSE	10.210	630.0 -> 59.0	35	0.0211	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	10	0.0021	µg/L		80

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

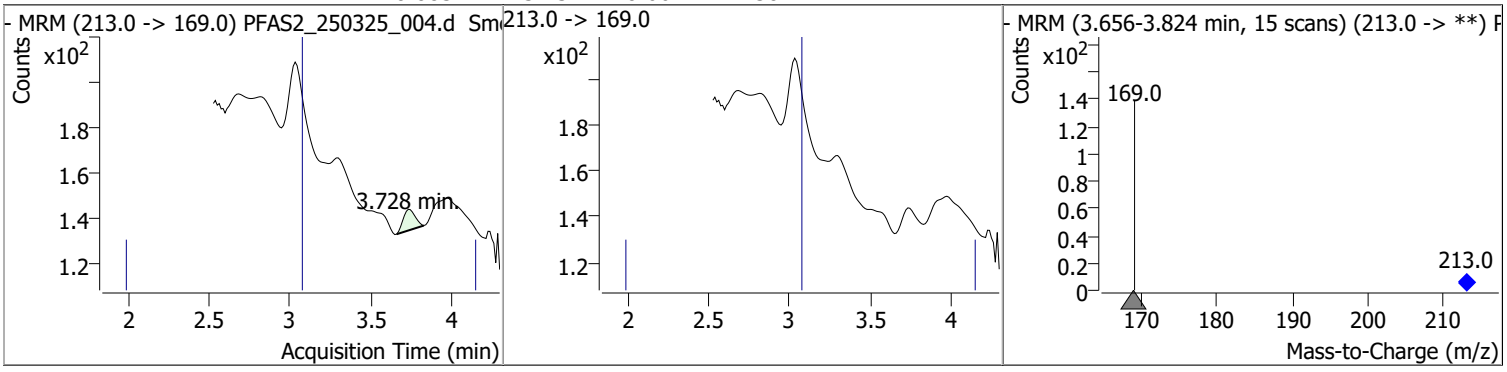
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.5833	3.03	-0.02	267757				



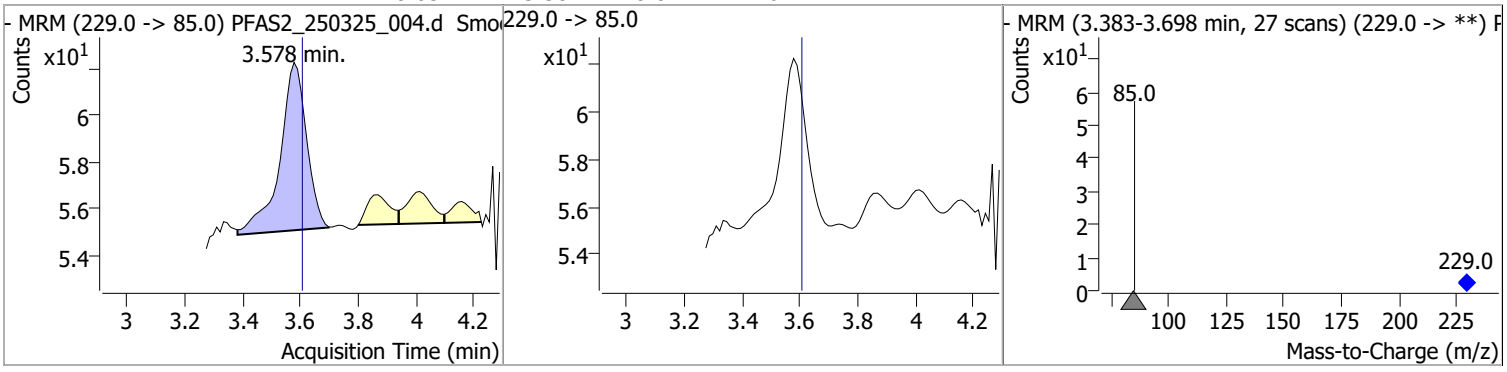
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.03	-0.04	122950				



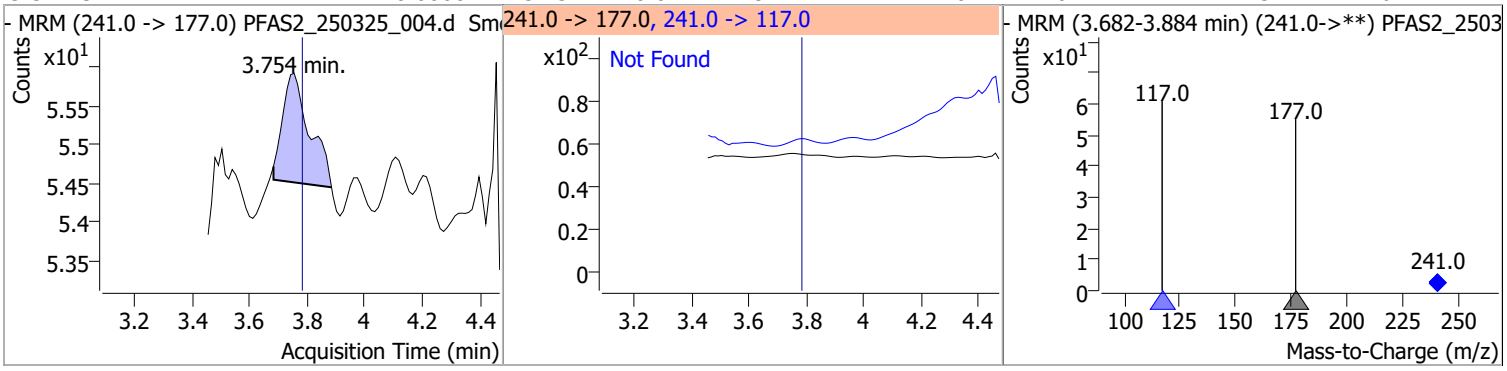
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0832	3.73	0.66	50				



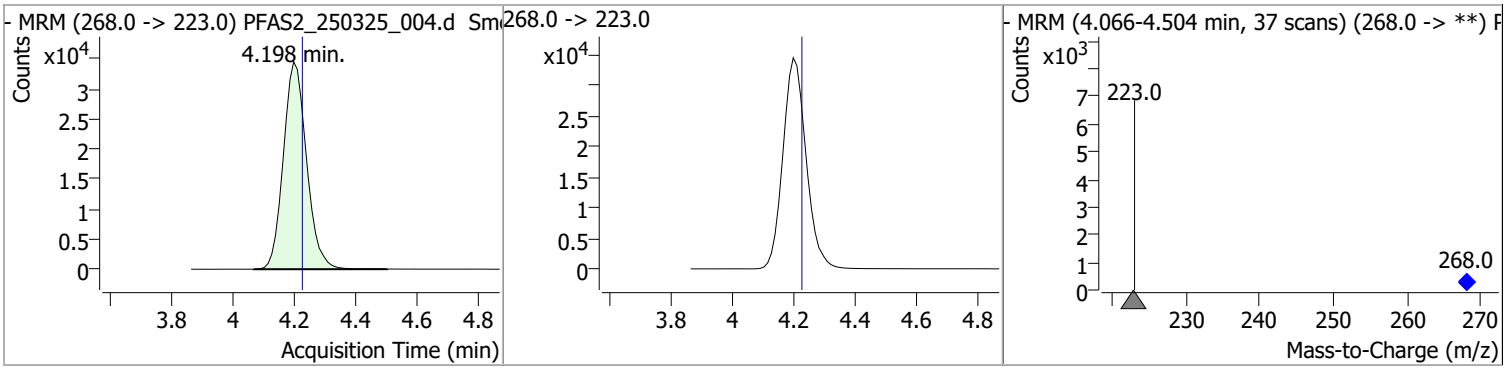
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0577	3.58	-0.02	46				



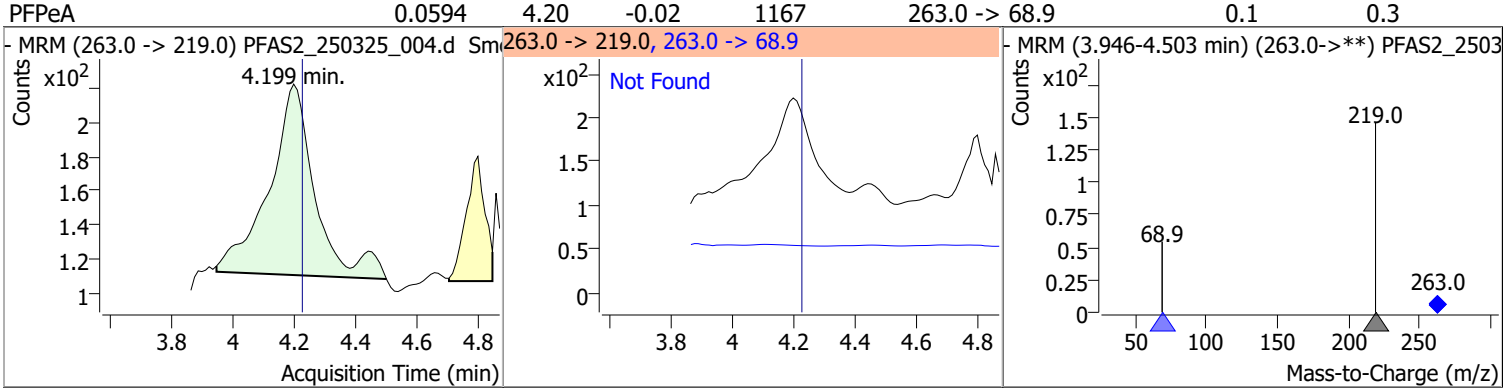
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.75	-0.02	9	241.0 -> 117.0		41.3	76.7



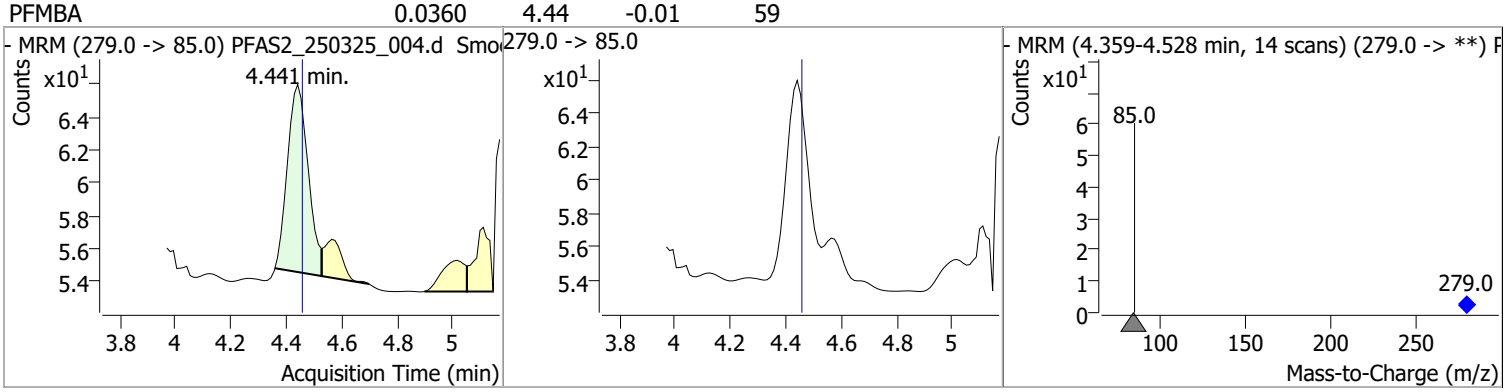
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9705	4.20	-0.02	181299				



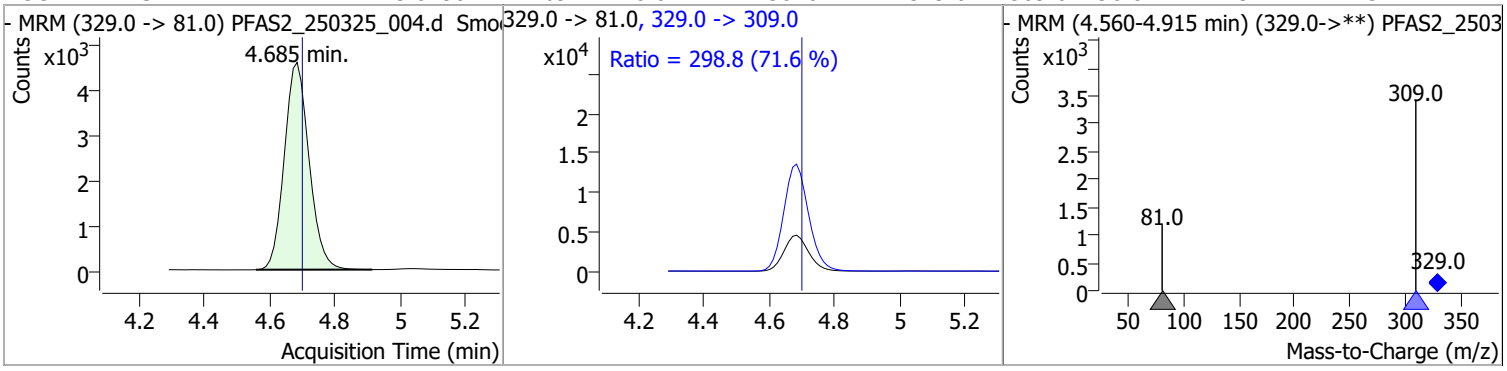
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0594	4.20	-0.02	1167	263.0 -> 68.9		0.1	0.3



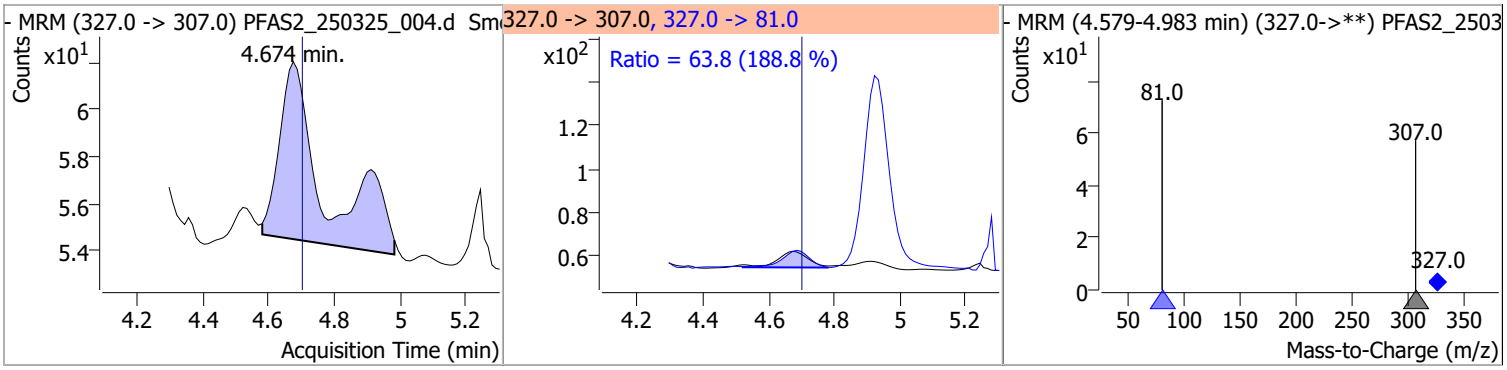
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0360	4.44	-0.01	59				



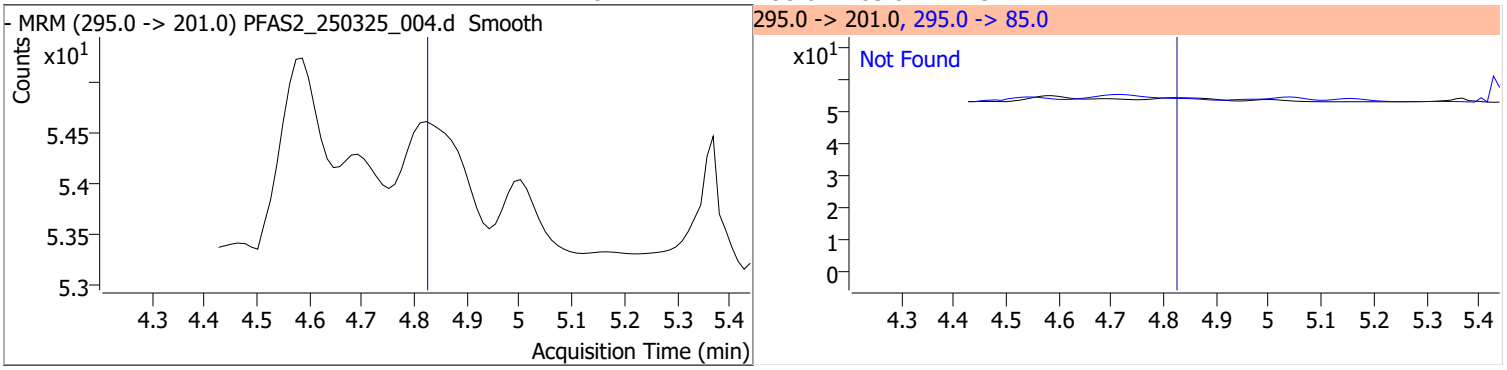
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.0750	4.69	-0.01	23870	329.0 -> 309.0	298.8	292.1	542.4



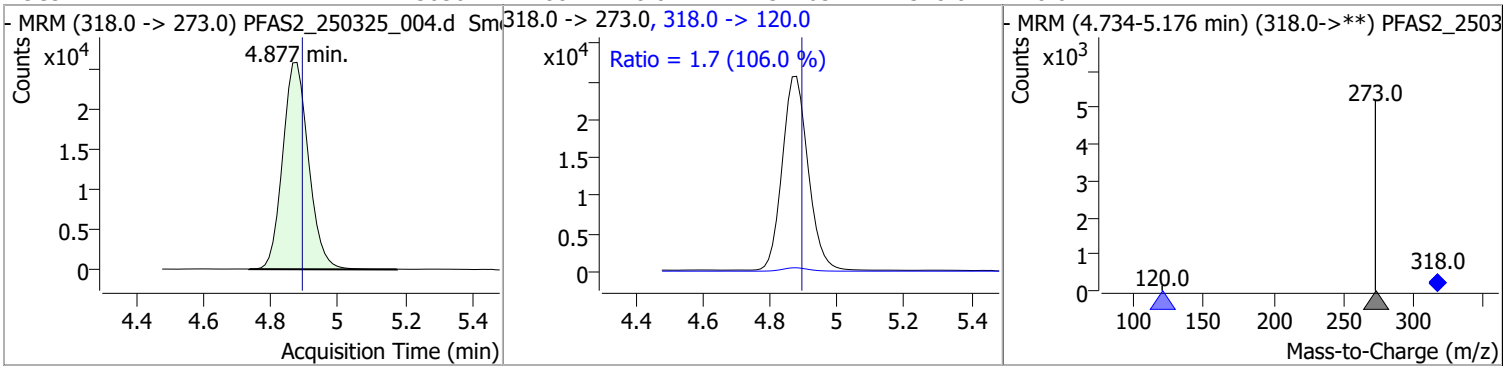
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0049	4.67	-0.02	72	327.0 -> 81.0	63.8	23.6	43.9



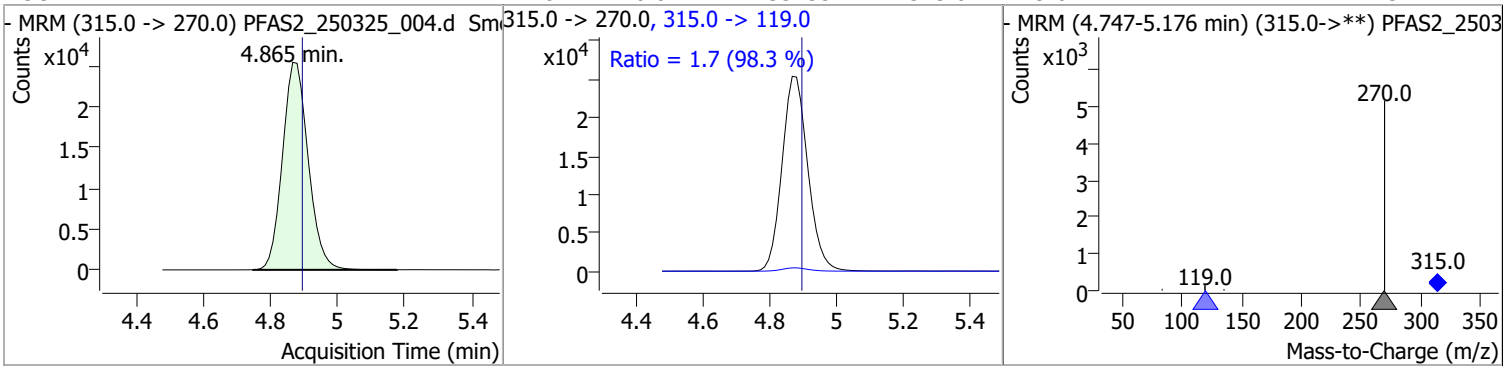
Compound	Conc.	Exp RT	QIon	Exp Ratio
NFDHA	N.D.	4.82	295.0 -> 85.0	27.3



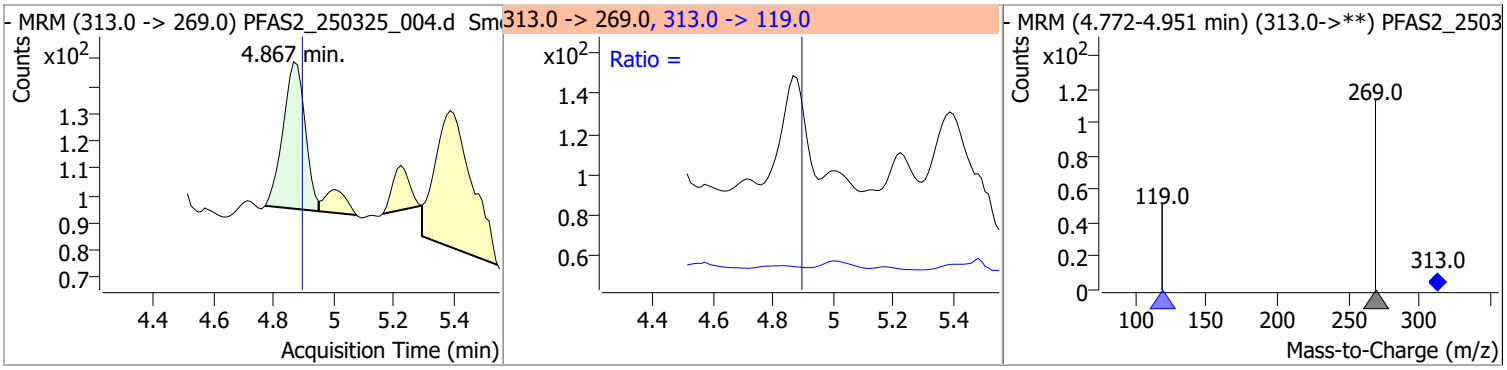
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3036	4.88	-0.01	137165	318.0 -> 120.0	1.7	1.1	2.1



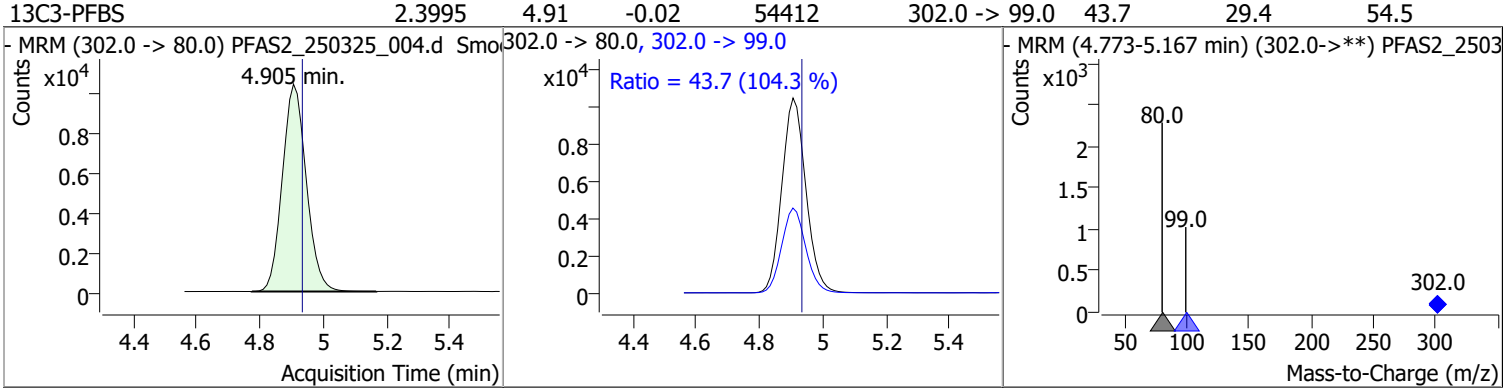
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.87	-0.02	135235	315.0 -> 119.0	1.7	1.2	2.3



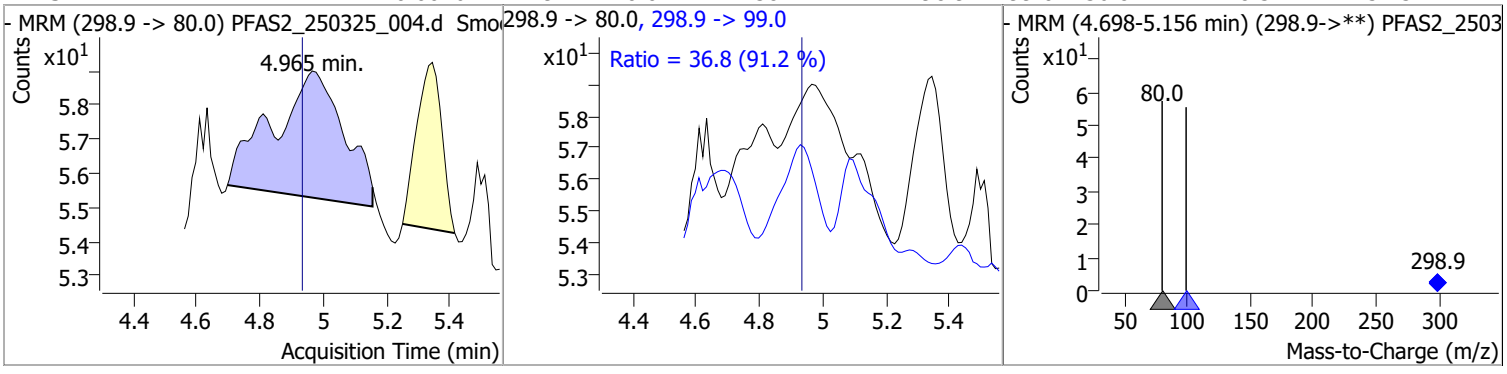
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0056	4.87	-0.02	274	313.0 -> 119.0		2.4	4.5



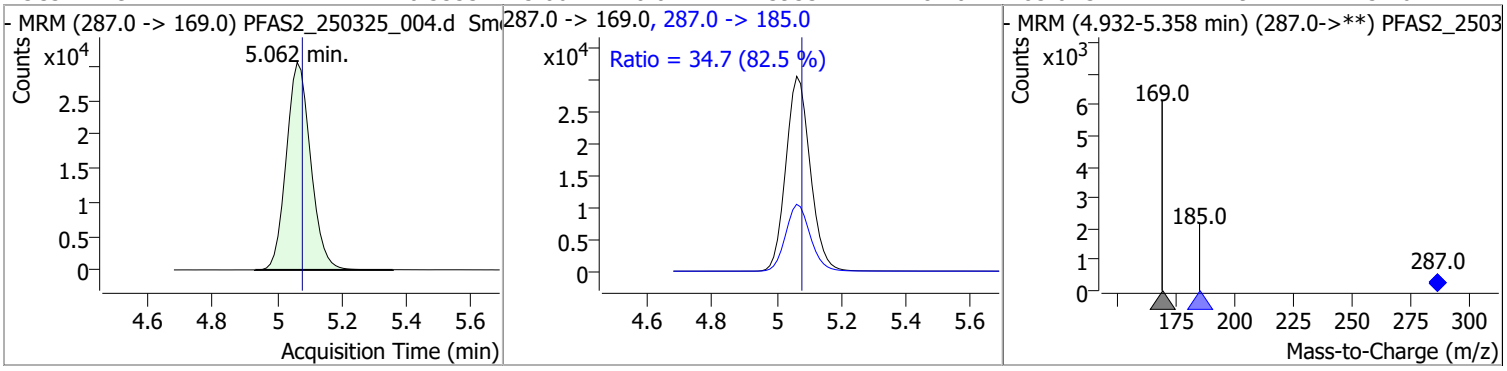
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3995	4.91	-0.02	54412	302.0 -> 99.0	43.7	29.4	54.5



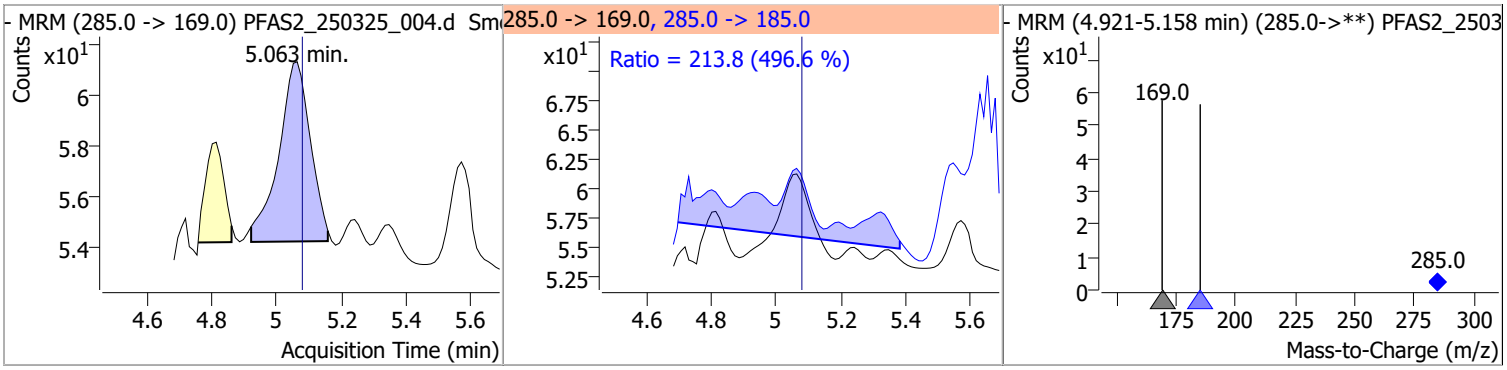
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0026	4.97	0.04	58	298.9 -> 99.0	36.8	28.3	52.5



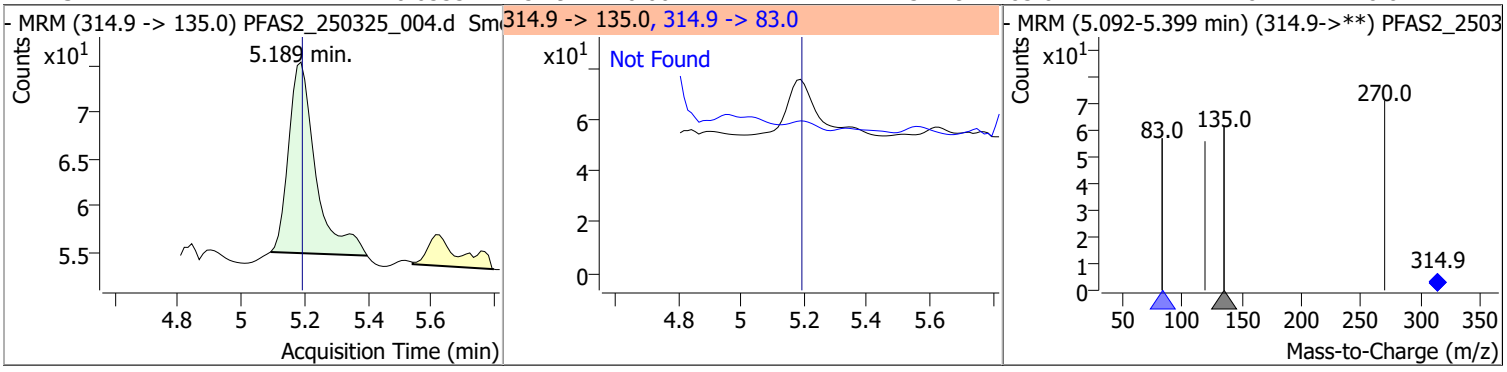
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3553	5.06	-0.01	159531	287.0 -> 185.0	34.7	29.4	54.6



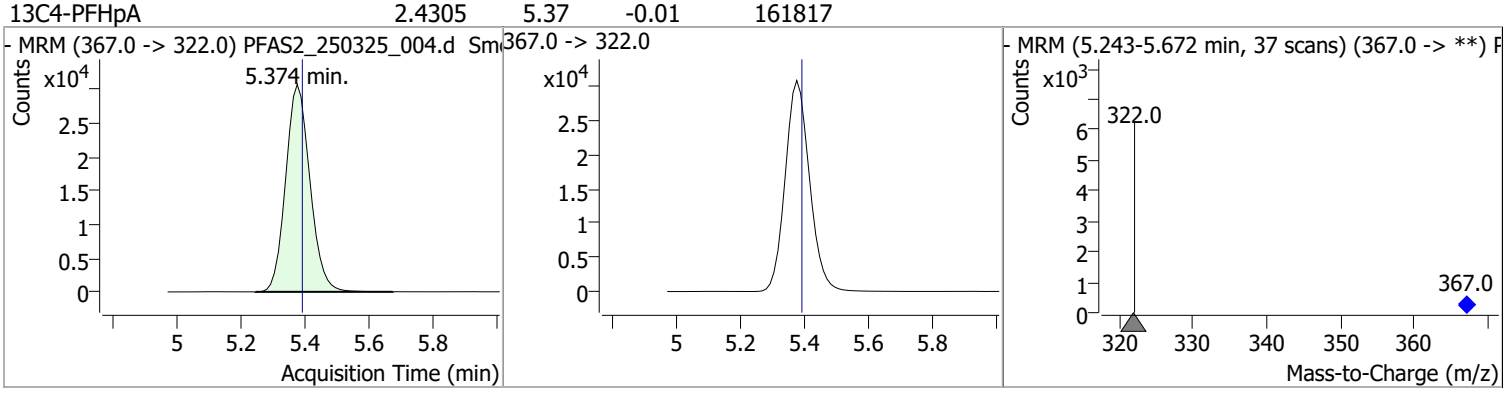
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0034	5.06	-0.01	49	285.0 -> 185.0	213.8	30.1	56.0



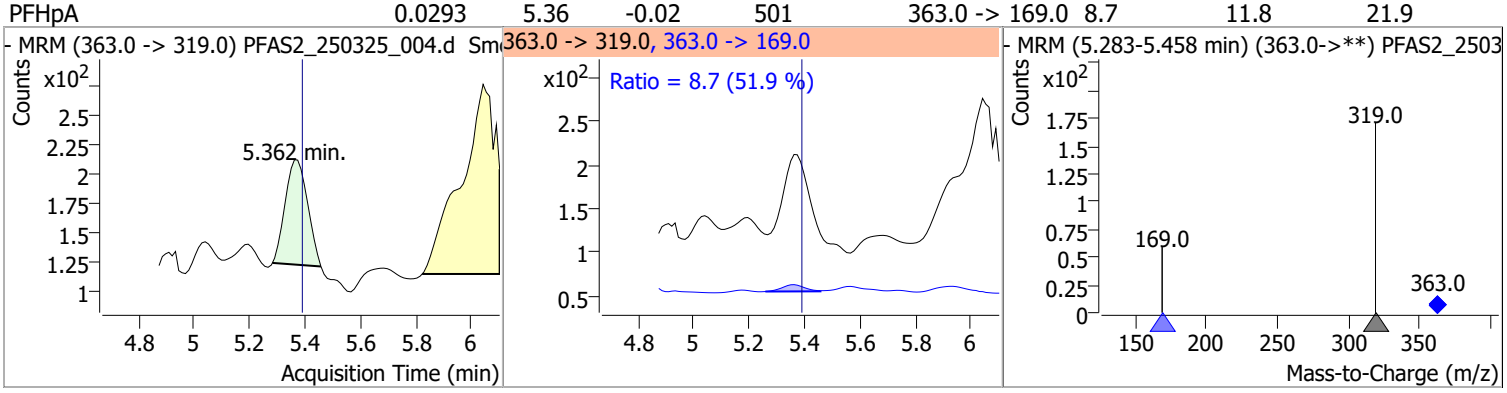
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0533	5.19	0.00	122	314.9 -> 83.0		4.8	8.8



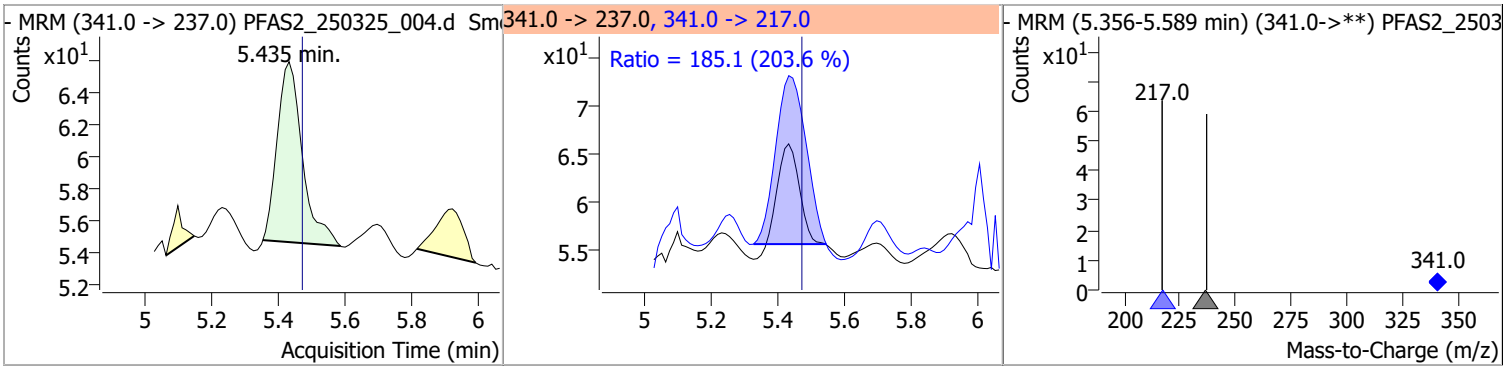
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4305	5.37	-0.01	161817				



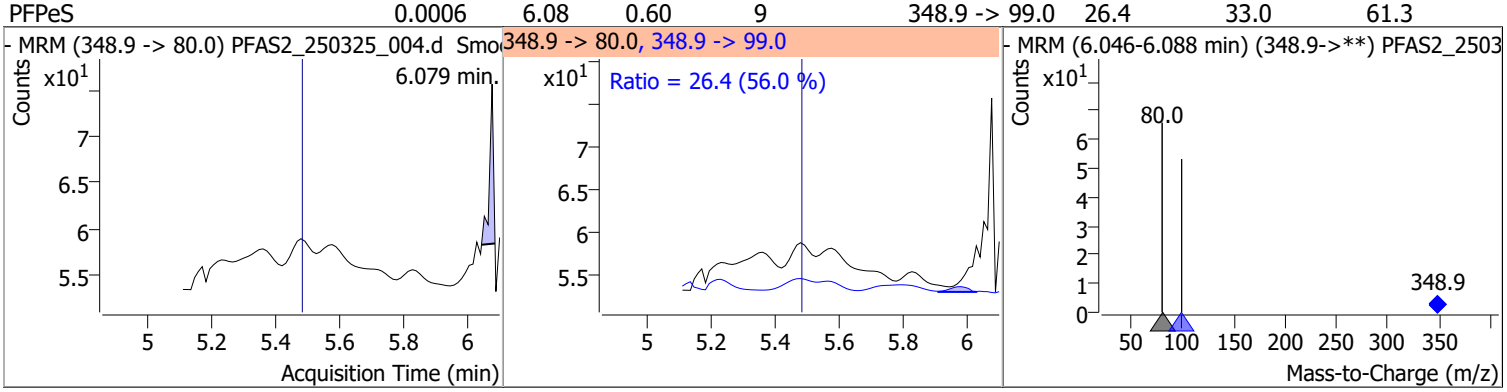
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0293	5.36	-0.02	501	363.0 -> 169.0	8.7	11.8	21.9



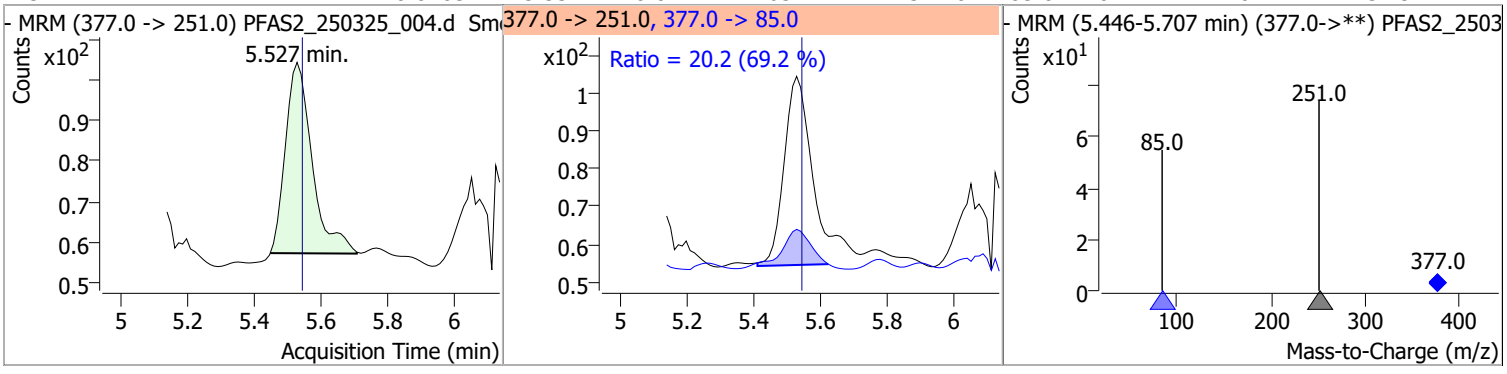
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1924	5.43	-0.04	60	341.0 -> 217.0	185.1	63.6	118.1



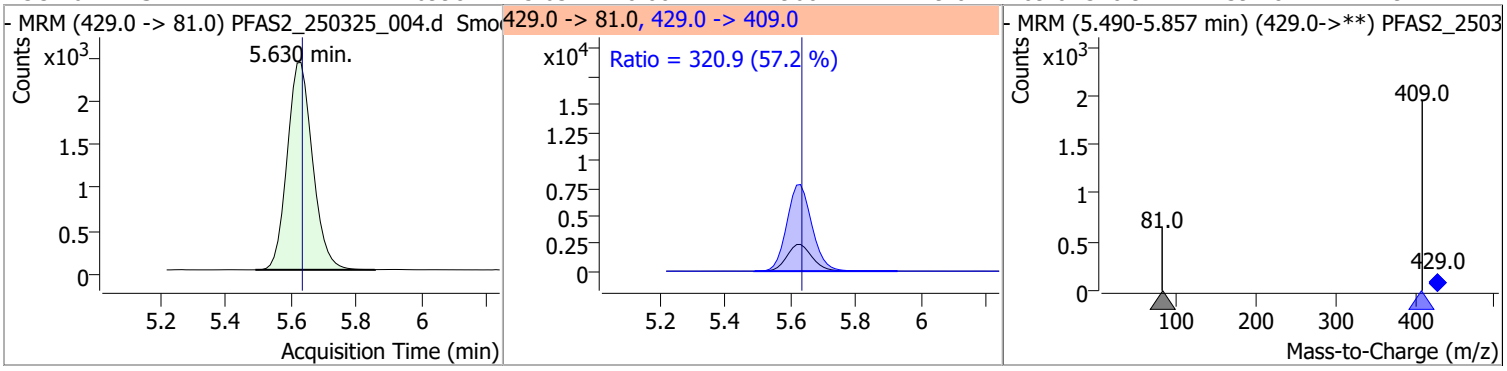
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0006	6.08	0.60	9	348.9 -> 99.0	26.4	33.0	61.3



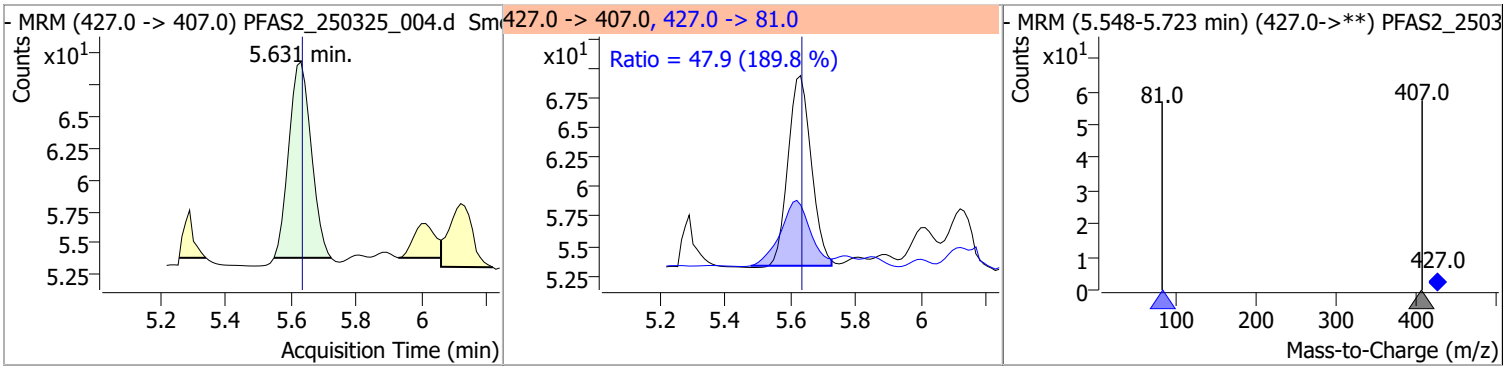
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0703	5.53	-0.01	263	377.0 -> 85.0	20.2	20.4	37.9



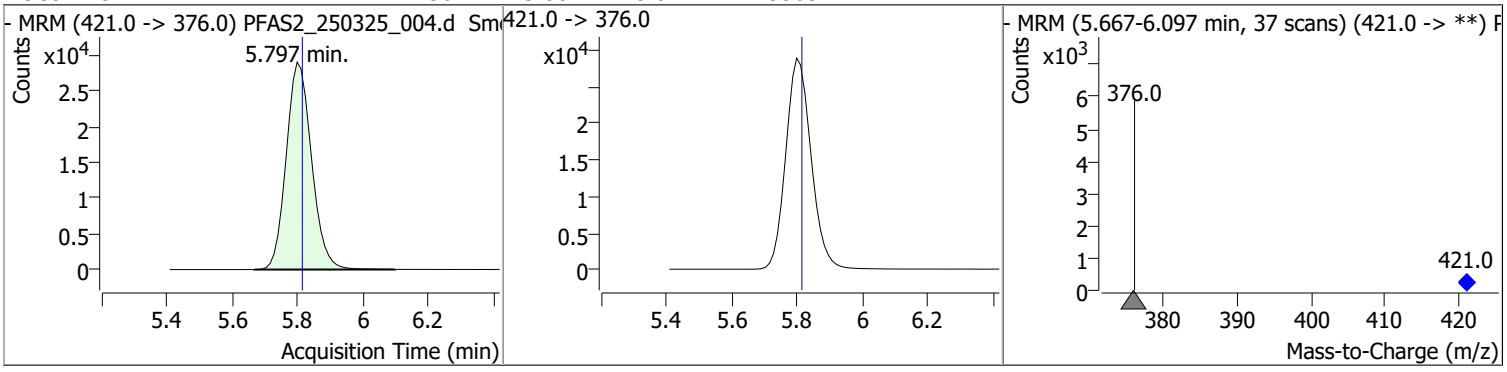
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6998	5.63	0.00	12960	429.0 -> 409.0	320.9	392.8	729.4



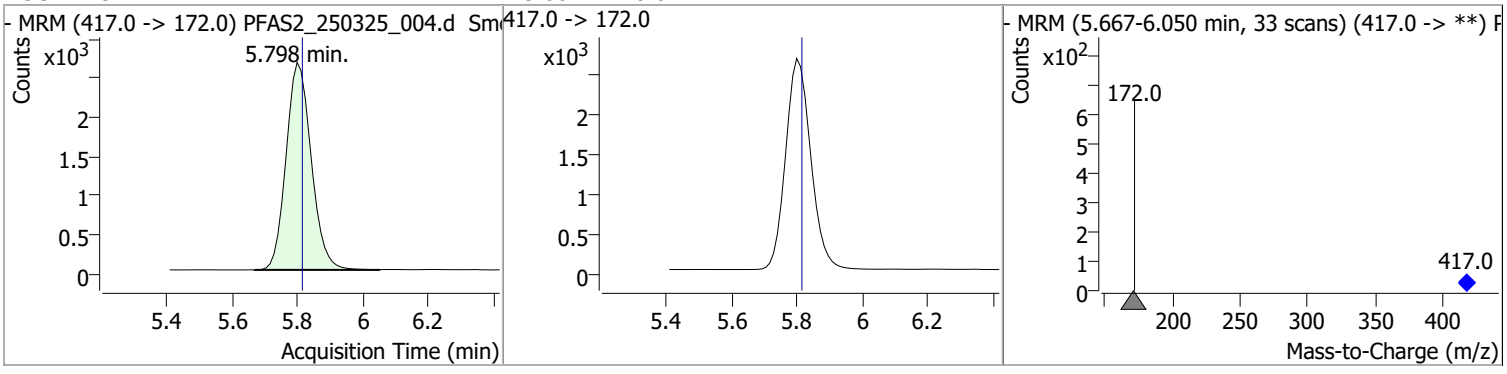
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1180	5.63	0.00	73	427.0 -> 81.0	47.9	17.7	32.8



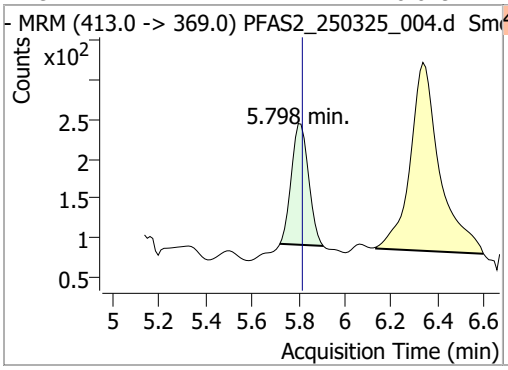
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4562	5.80	-0.01	155652				

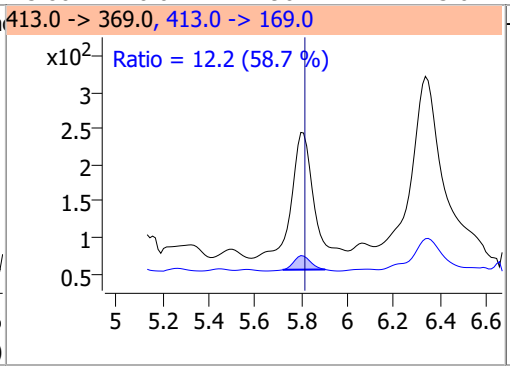


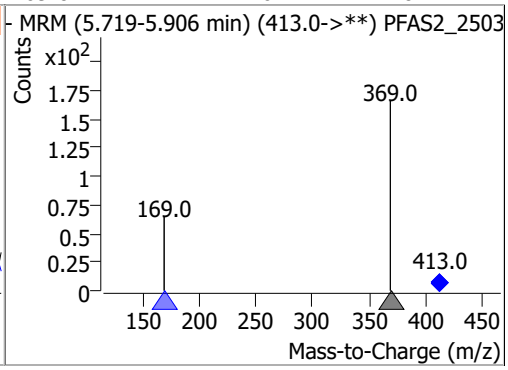
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.80	-0.01	14171				



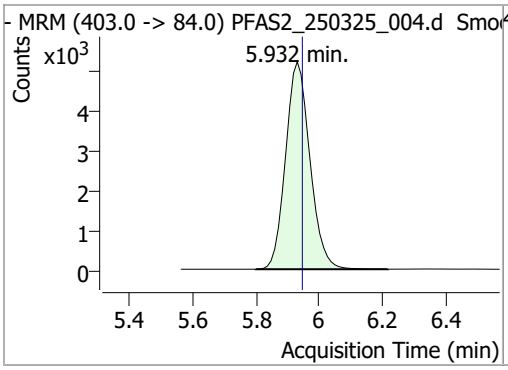
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0491	5.80	-0.01	790	413.0 -> 169.0	12.2	14.6	27.0

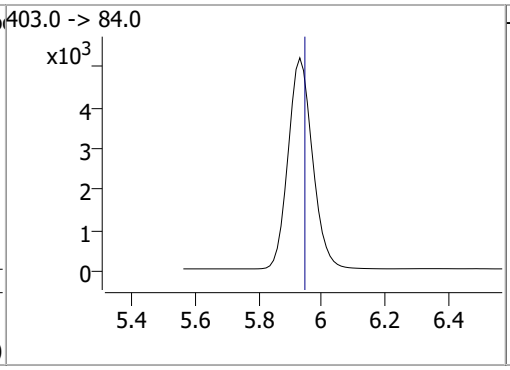


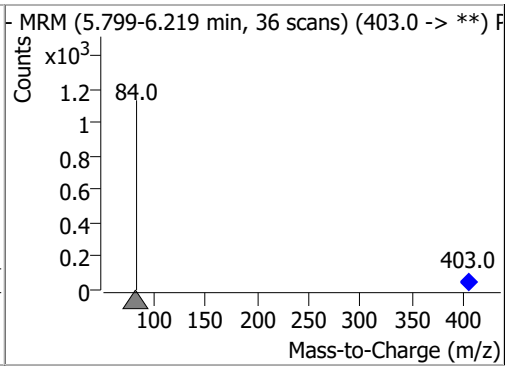




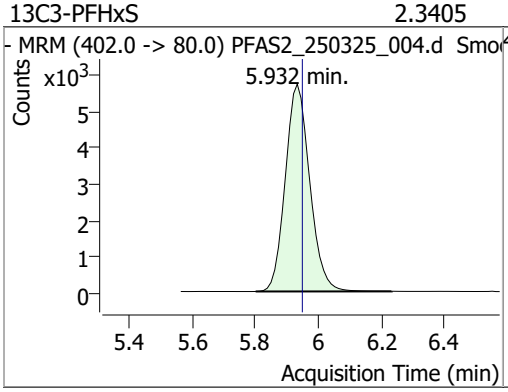
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.93	-0.01	27692				

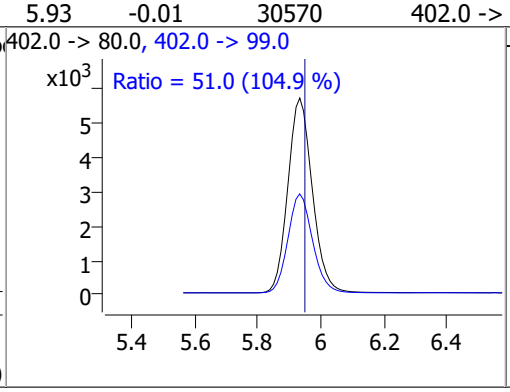


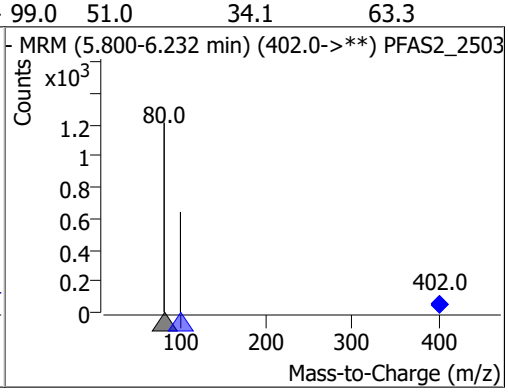




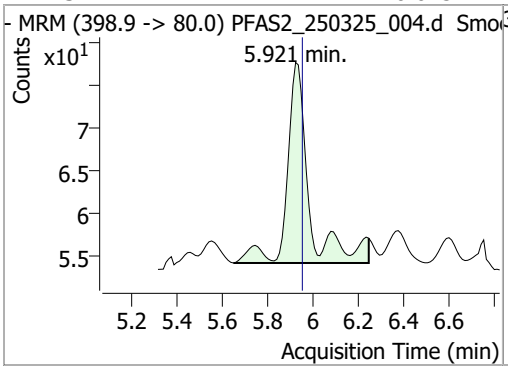
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3405	5.93	-0.01	30570	402.0 -> 99.0	51.0	34.1	63.3

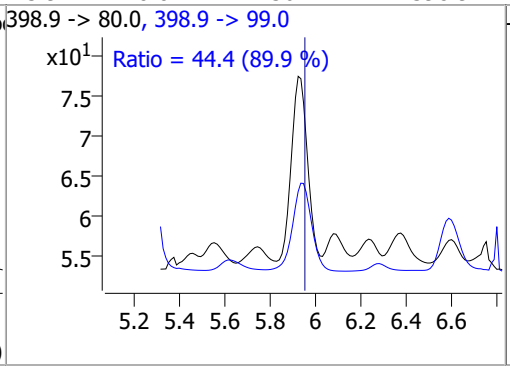


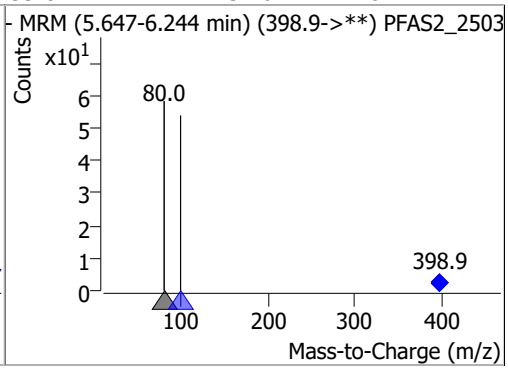




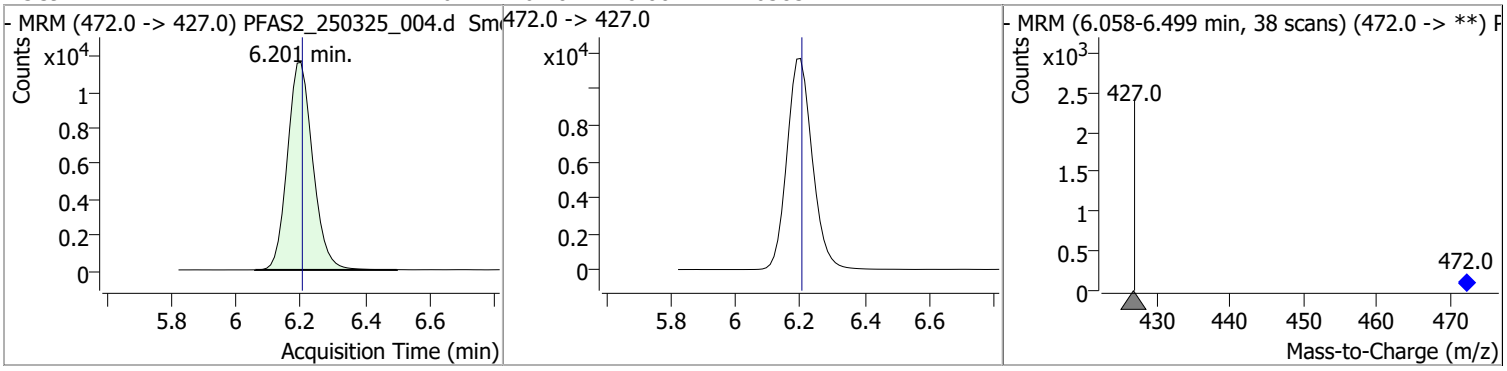
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0131	5.92	-0.02	156	398.9 -> 99.0	44.4	34.6	64.2



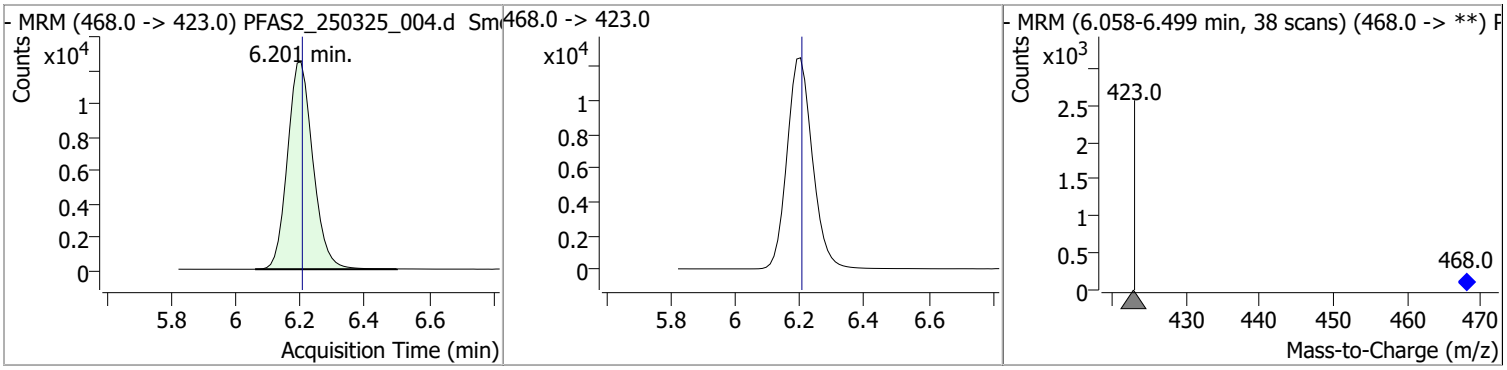




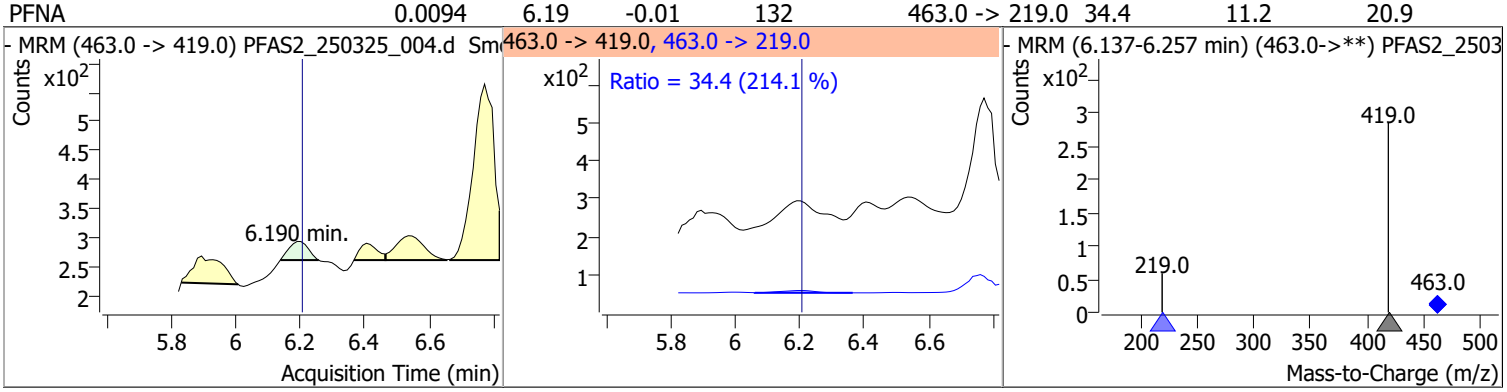
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1761	6.20	0.00	63857				



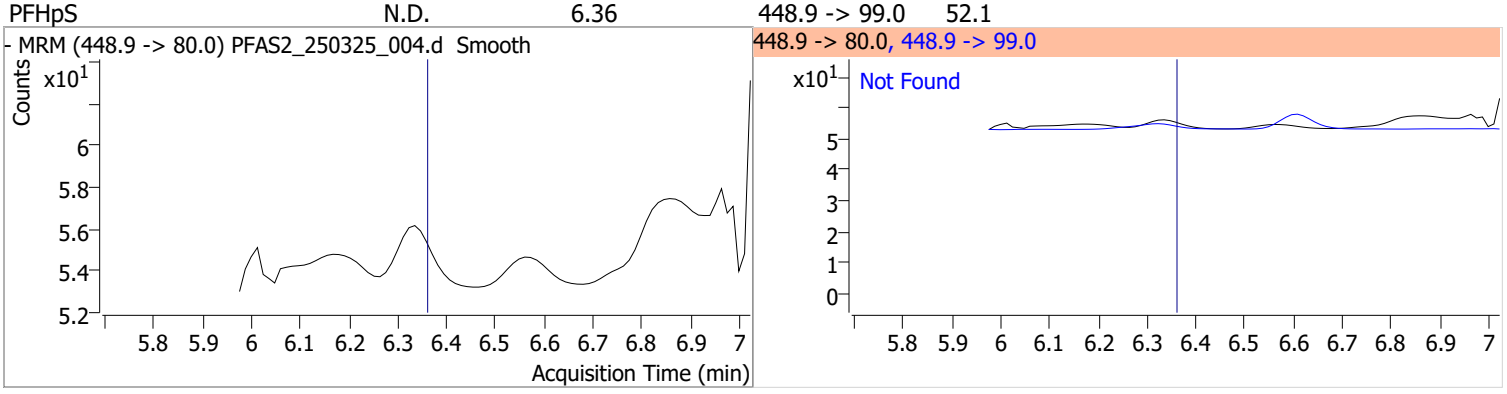
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.20	0.00	68521				



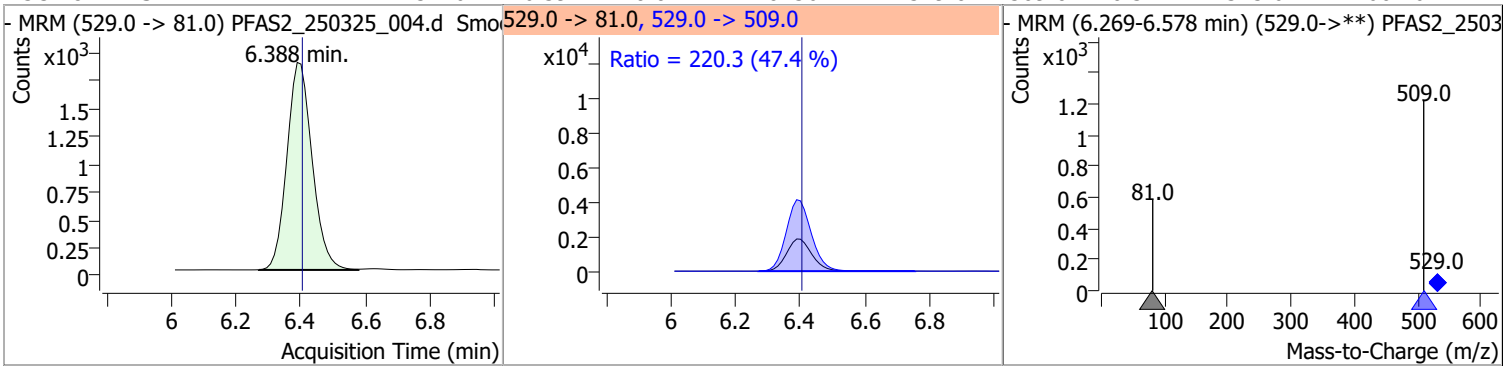
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0094	6.19	-0.01	132	463.0 -> 219.0	34.4	11.2	20.9



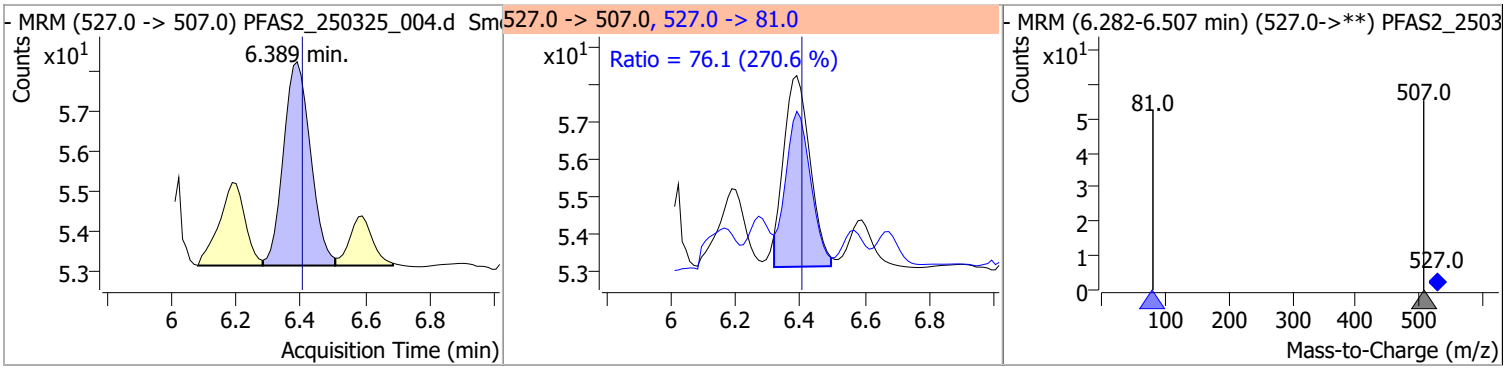
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



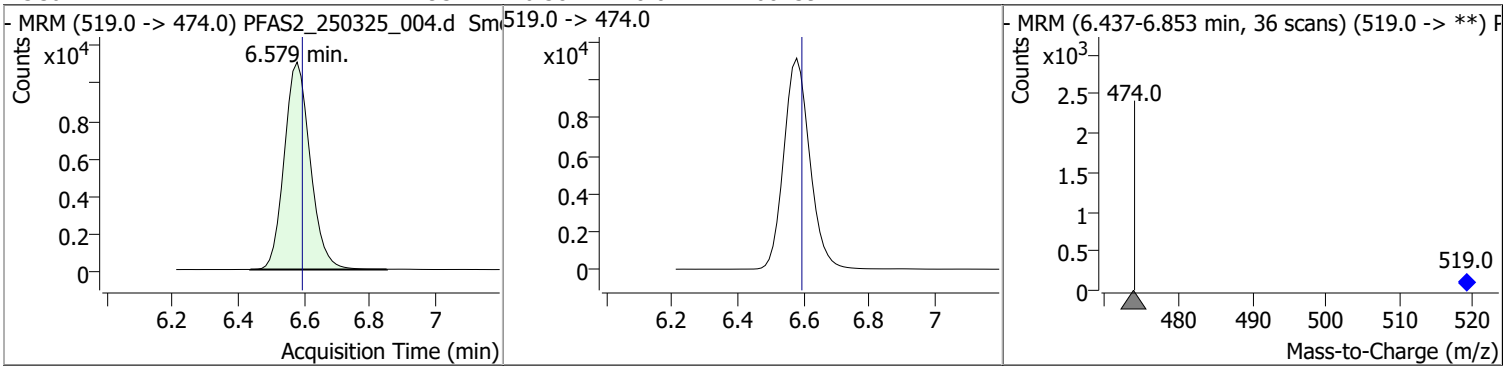
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5716	6.39	-0.01	10136	529.0 -> 509.0	220.3	325.6	604.6



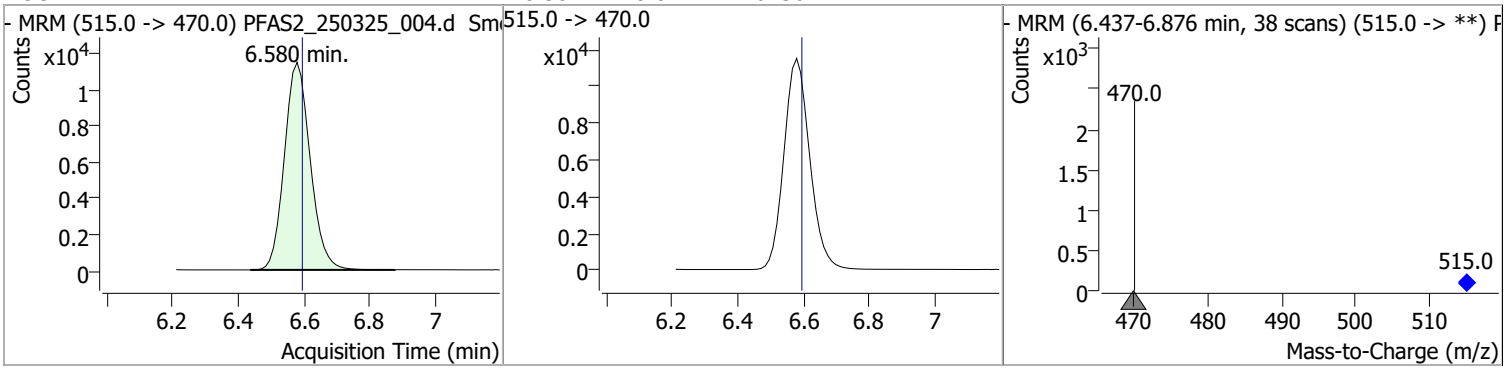
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0788	6.39	-0.01	30	527.0 -> 81.0	76.1	19.7	36.6



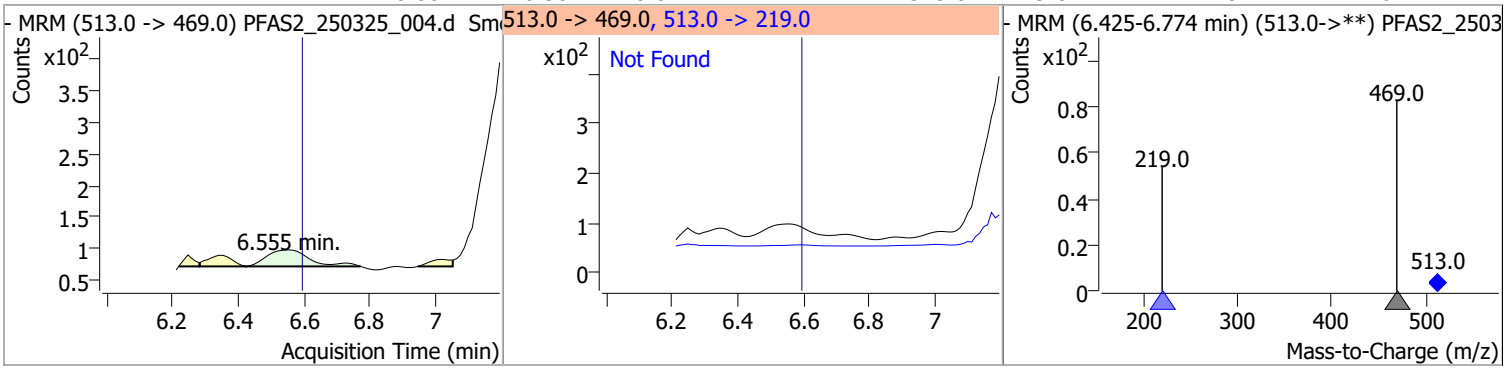
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1934	6.58	-0.01	60759				



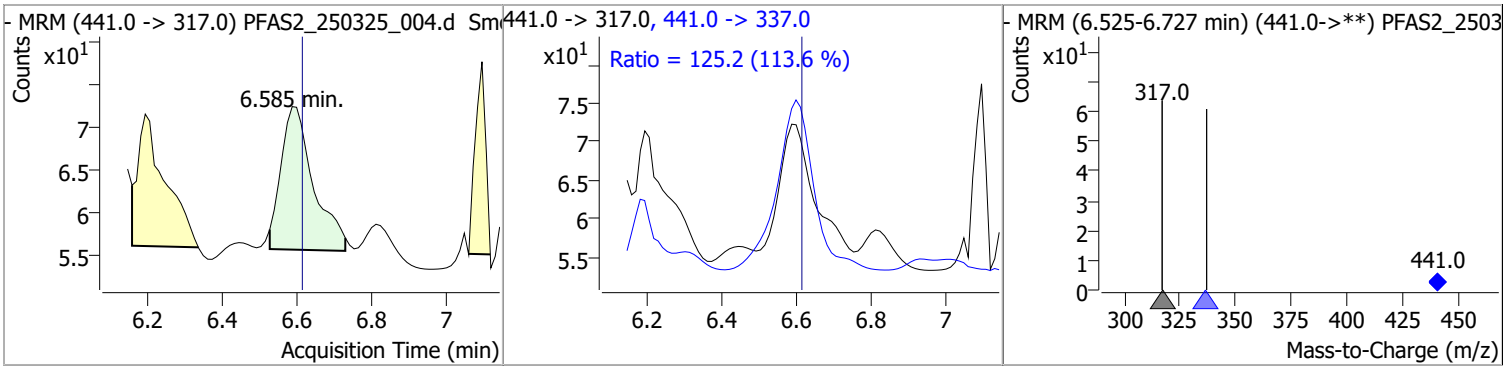
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.58	-0.01	62564				



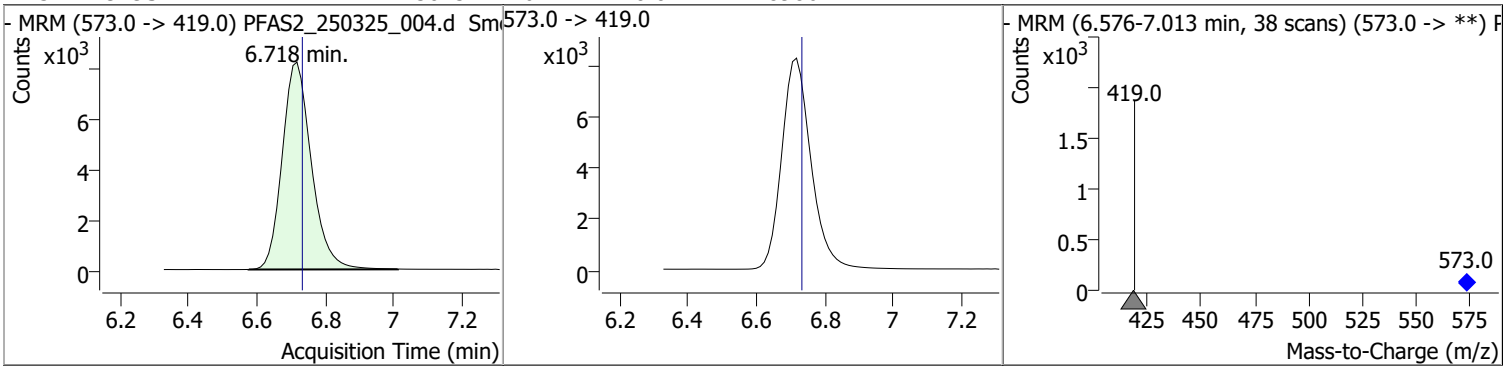
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0022	6.56	-0.04	241	513.0 -> 219.0		8.7	16.2



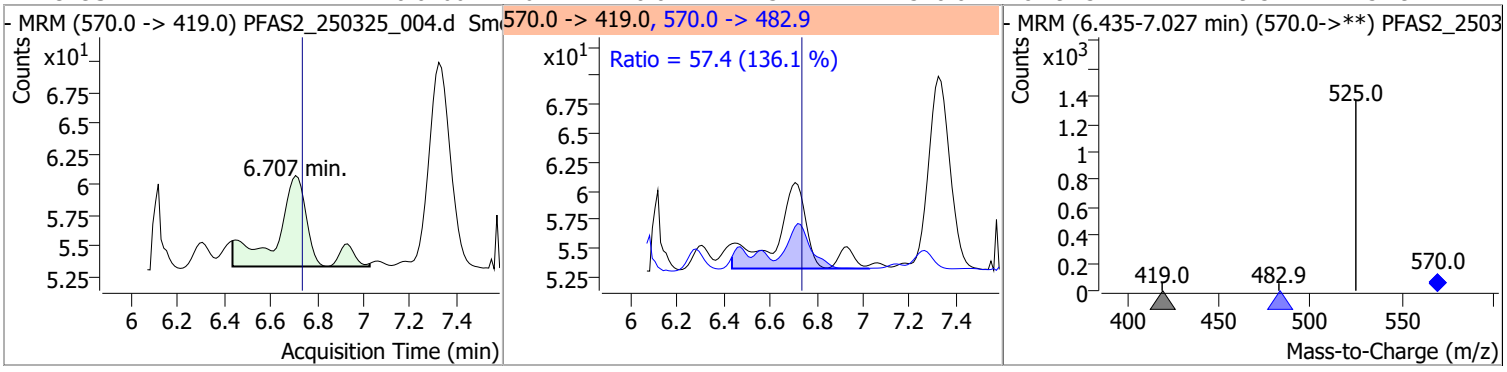
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2796	6.59	-0.02	102	441.0 -> 337.0	125.2	77.1	143.3



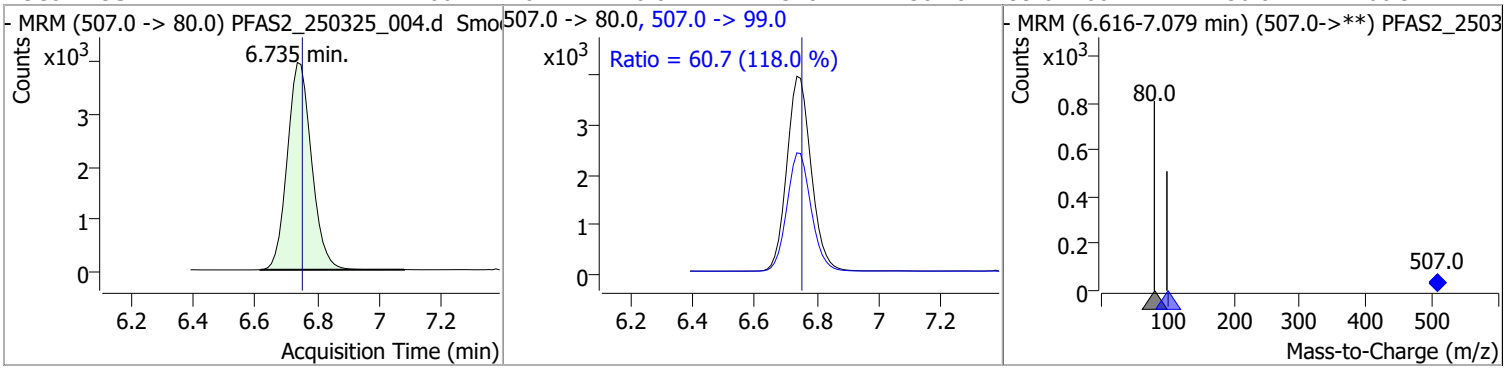
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5015	6.72	-0.01	48986				



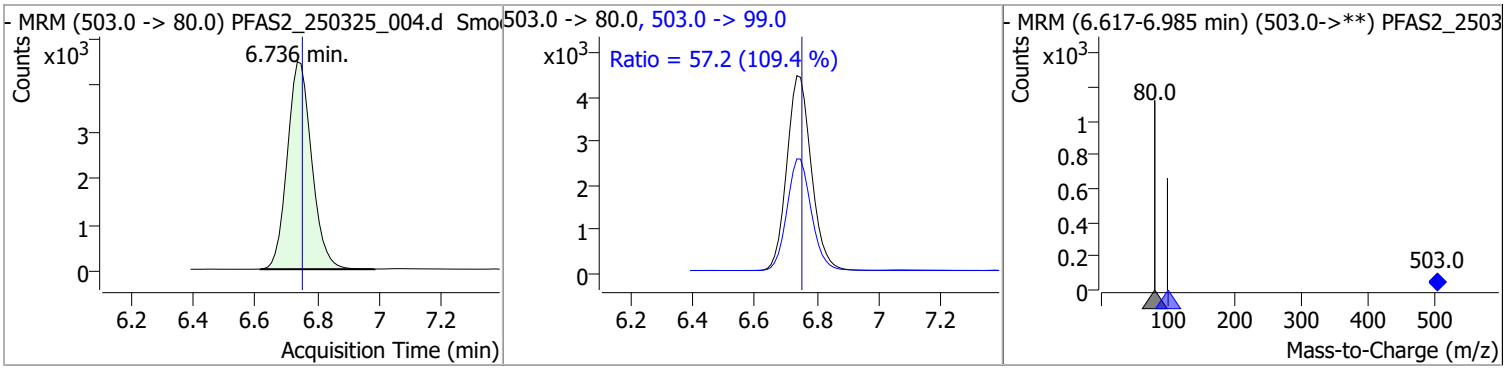
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0166	6.71	-0.02	73	570.0 -> 482.9	57.4	29.5	54.9



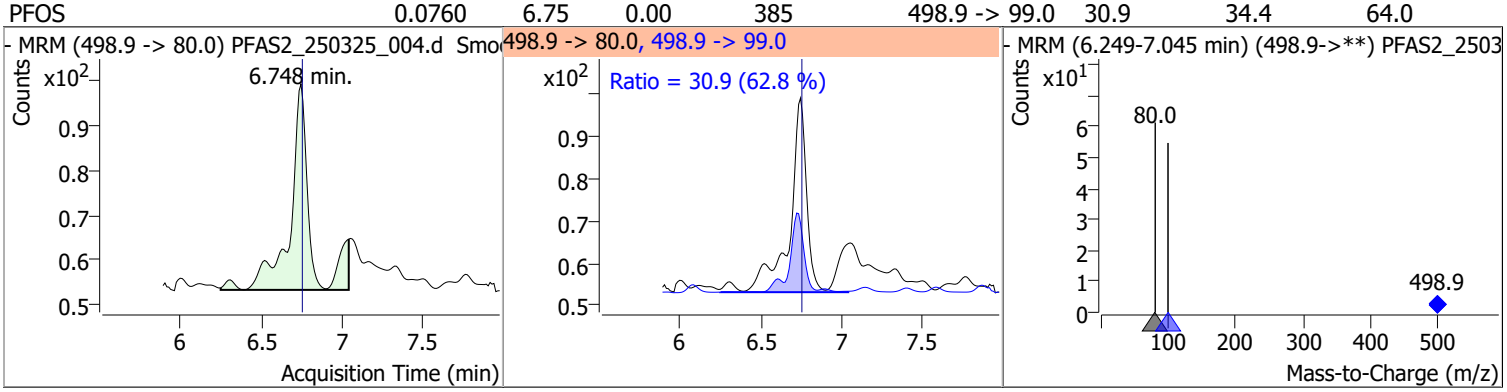
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.1667	6.74	-0.01	21328	507.0 -> 99.0	60.7	36.0	66.9



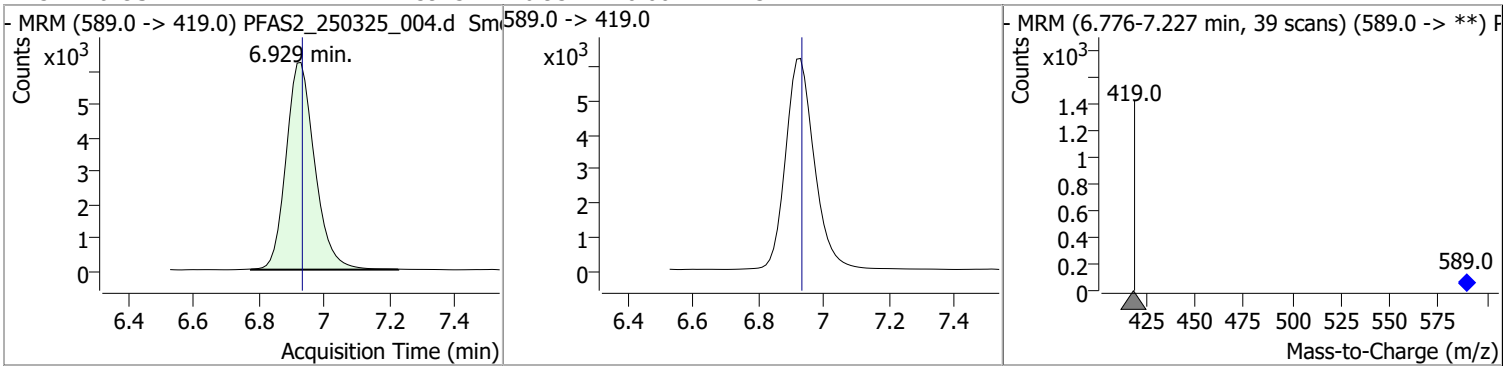
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.74	-0.01	24253	503.0 -> 99.0	57.2	36.6	67.9



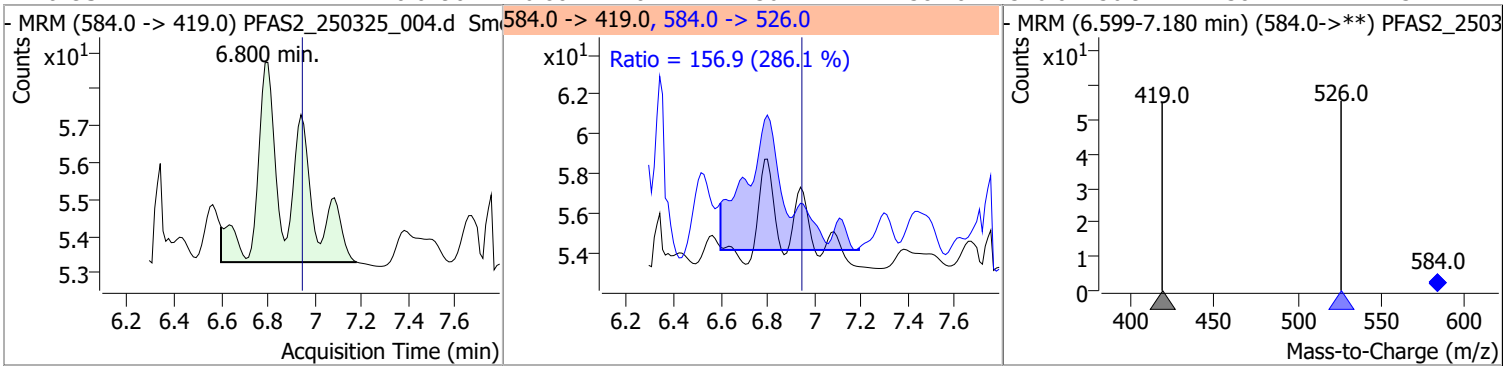
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0760	6.75	0.00	385	498.9 -> 99.0	30.9	34.4	64.0



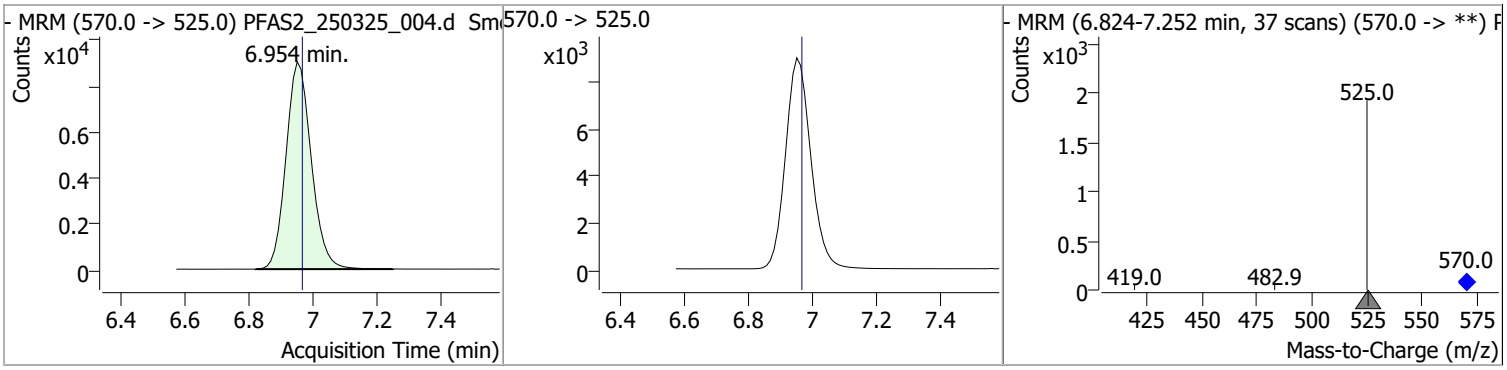
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.5913	6.93	0.00	37721				



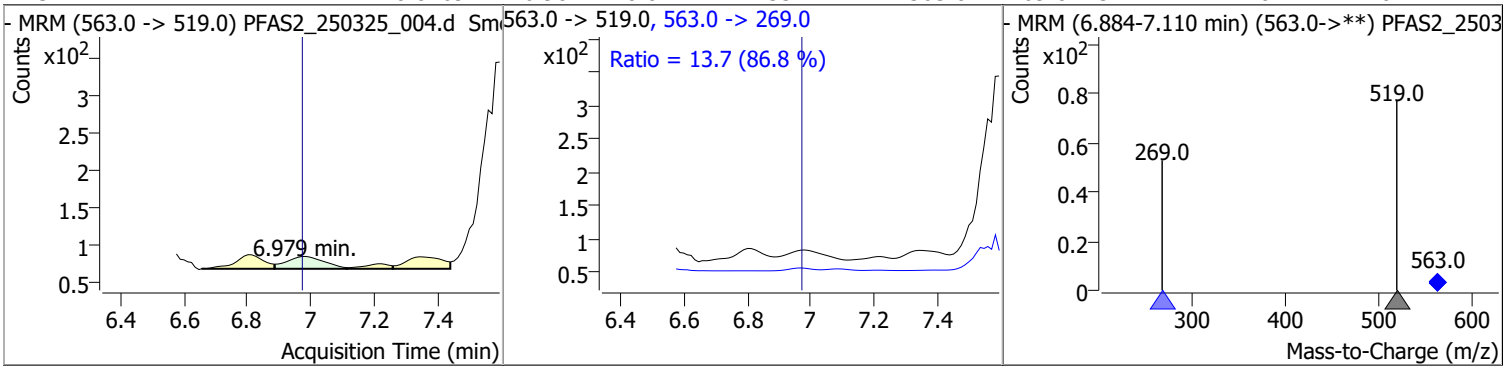
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0190	6.80	-0.14	56	584.0 -> 526.0	156.9	38.4	71.3



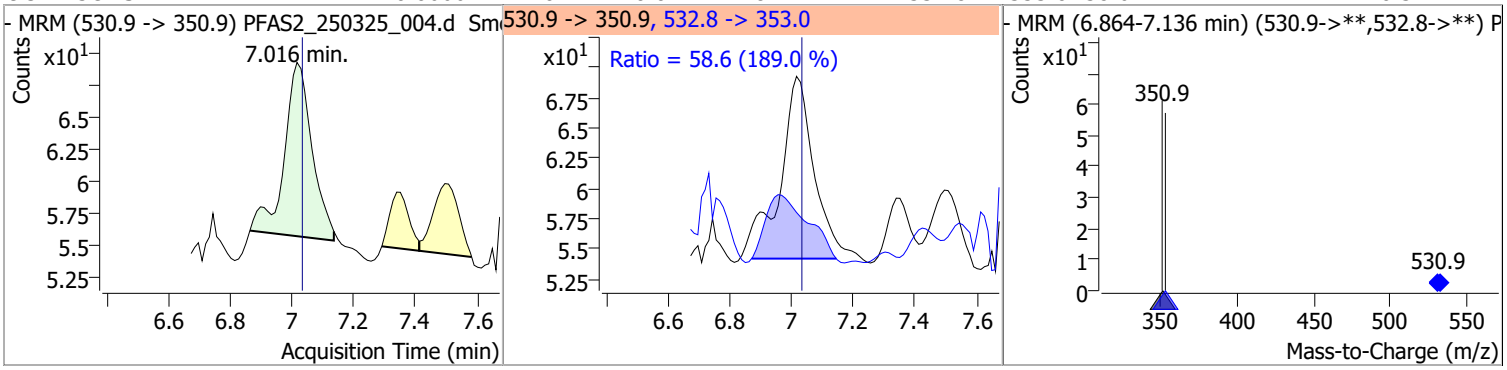
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2320	6.95	-0.01	49430				



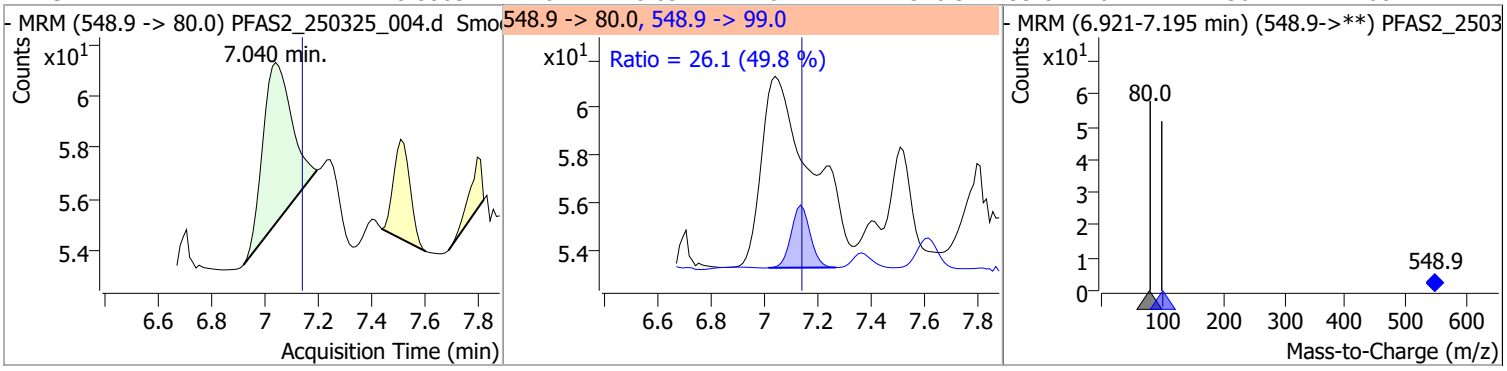
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0169	6.98	0.01	135	563.0 -> 269.0	13.7	11.0	20.4



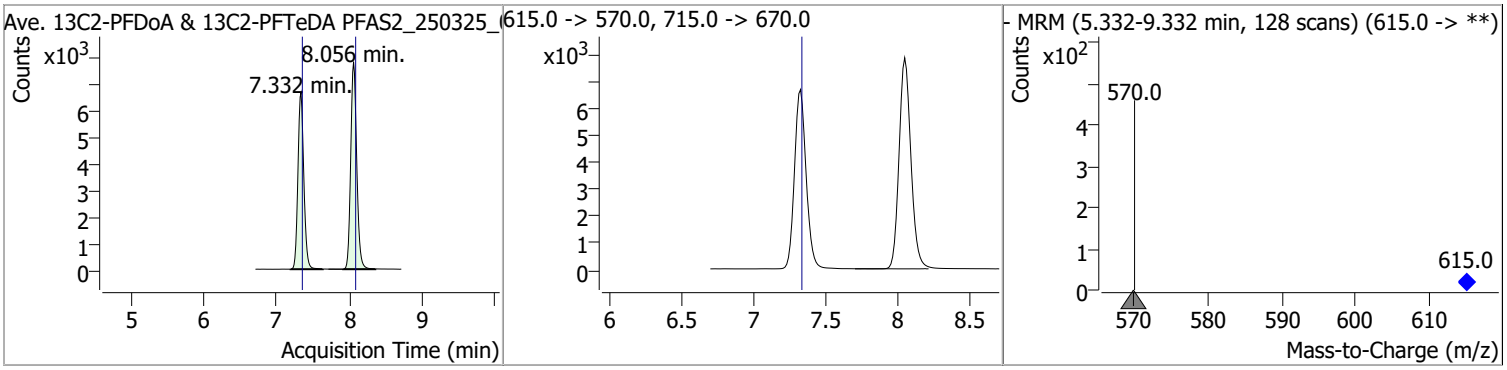
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0666	7.02	-0.01	84	532.8 -> 353.0	58.6	21.7	40.3



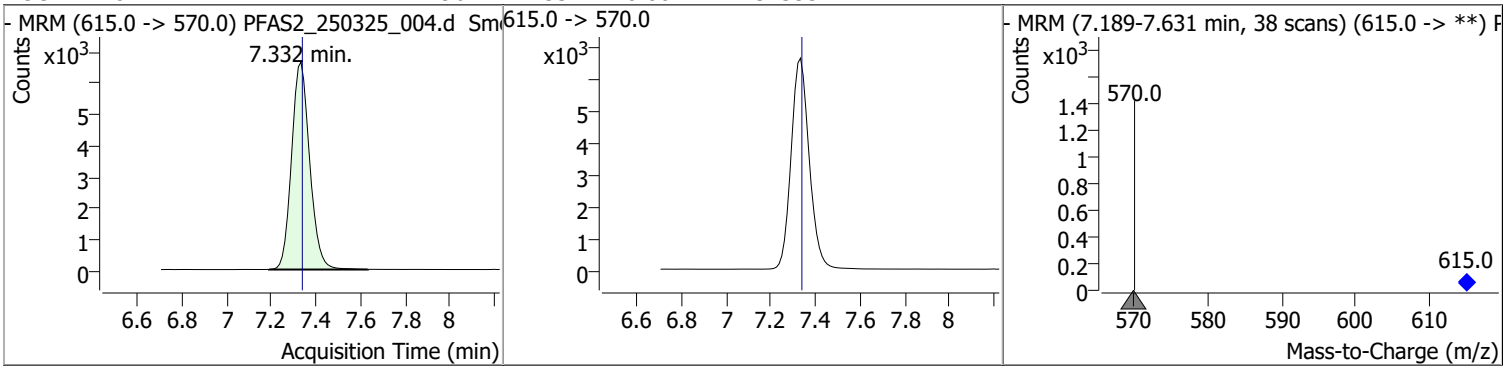
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0063	7.04	-0.09	46	548.9 -> 99.0	26.1	36.7	68.1



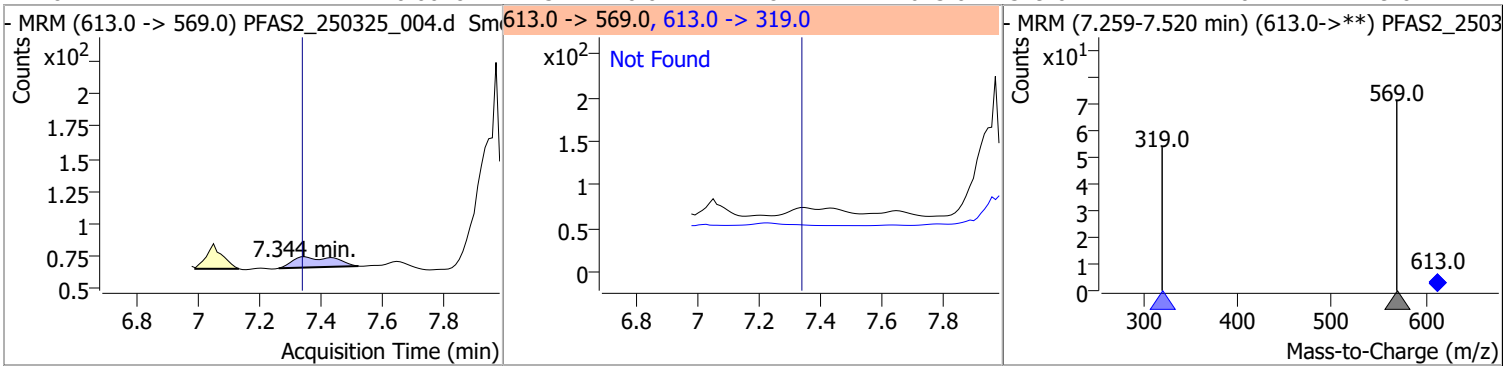
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2428	7.69	0.36	41100				



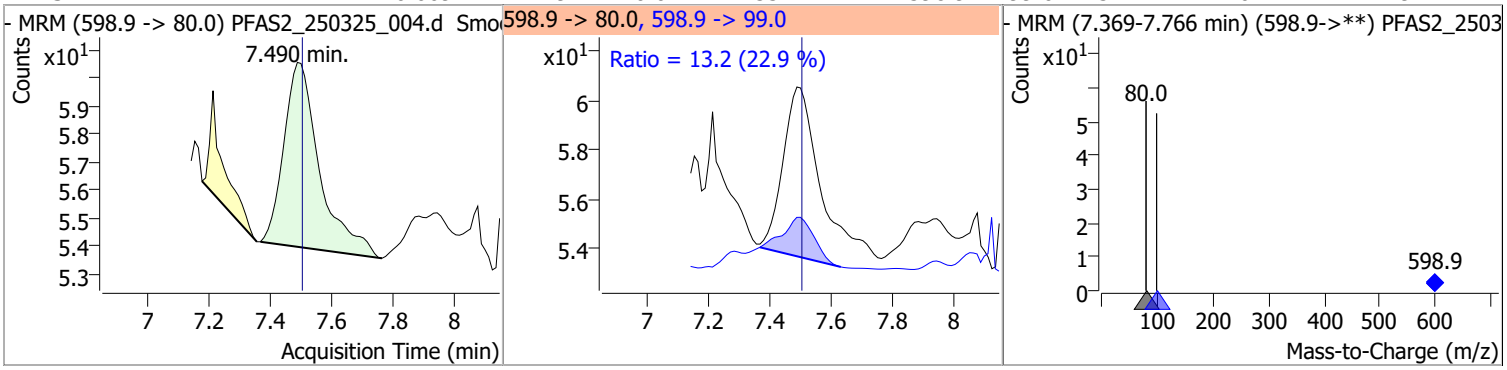
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2496	7.33	0.00	37355				



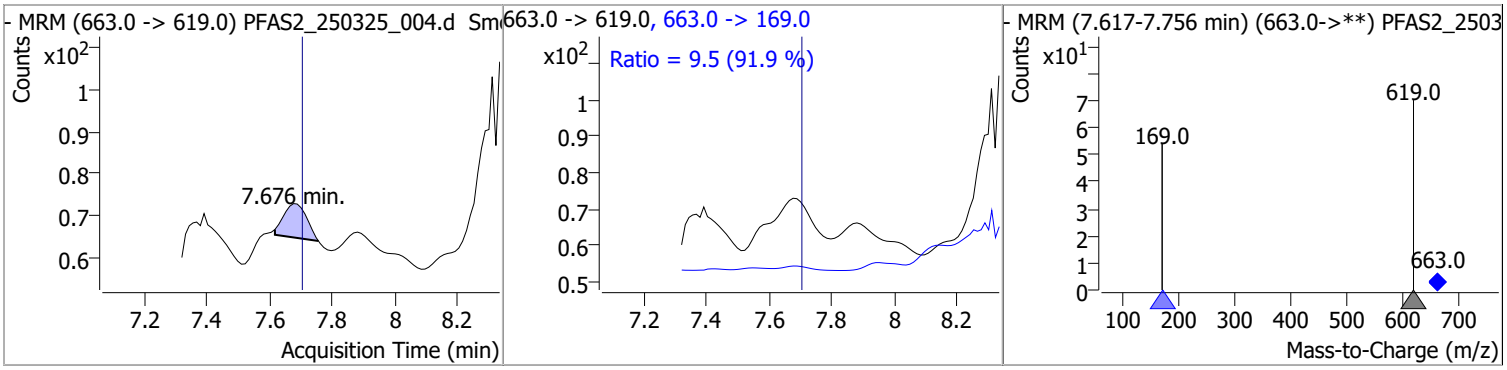
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0028	7.34	0.01	78	613.0 -> 319.0		10.2	19.0



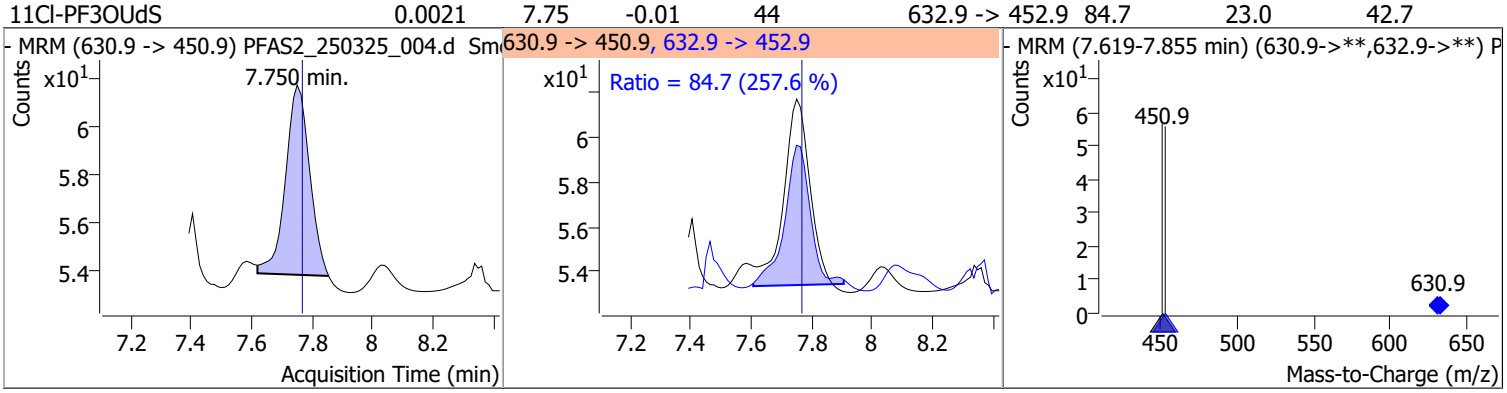
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0097	7.49	-0.01	53	598.9 -> 99.0	13.2	40.4	74.9



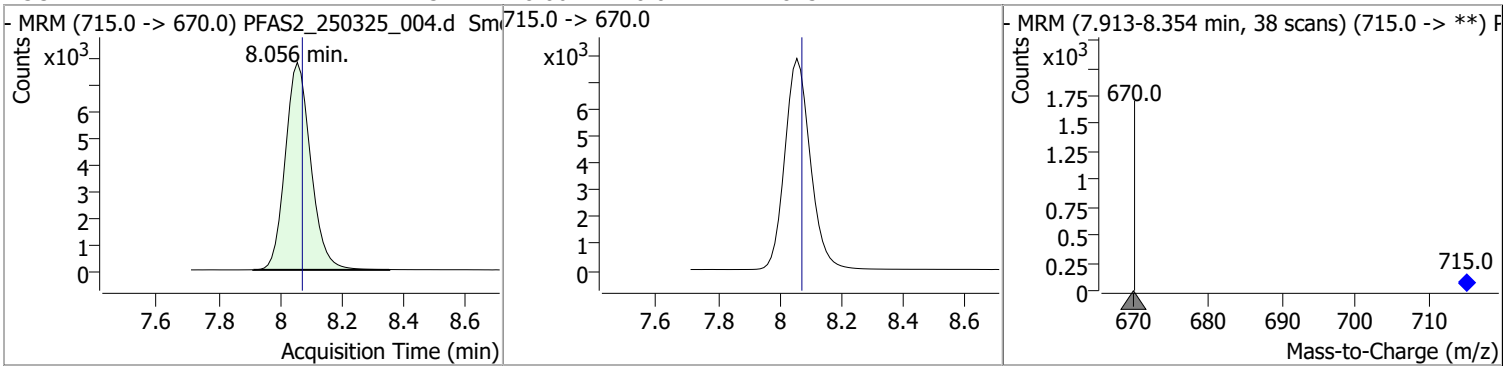
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0013	7.68	-0.02	41	663.0 -> 169.0	9.5	7.2	13.4



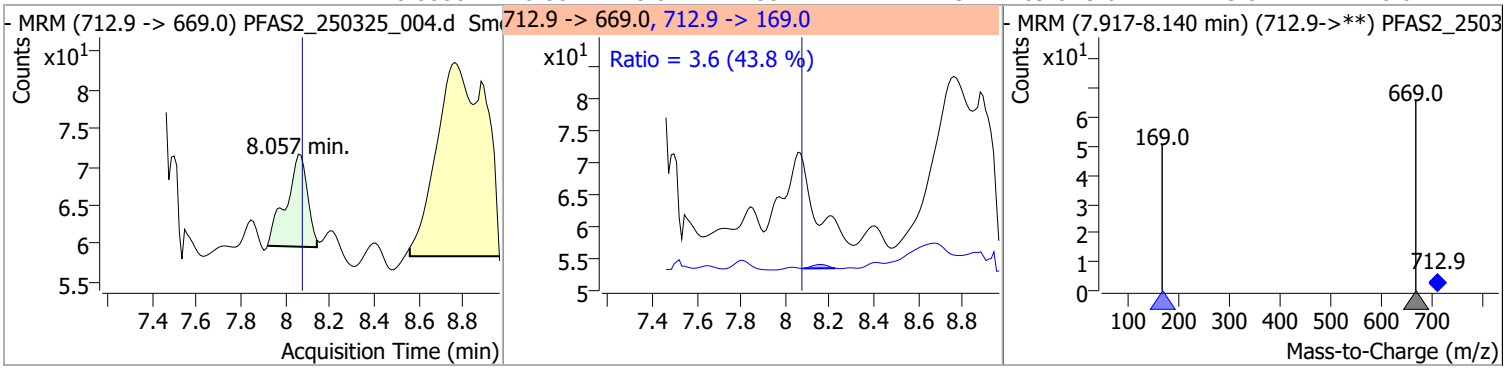
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0021	7.75	-0.01	44	632.9 -> 452.9	84.7	23.0	42.7



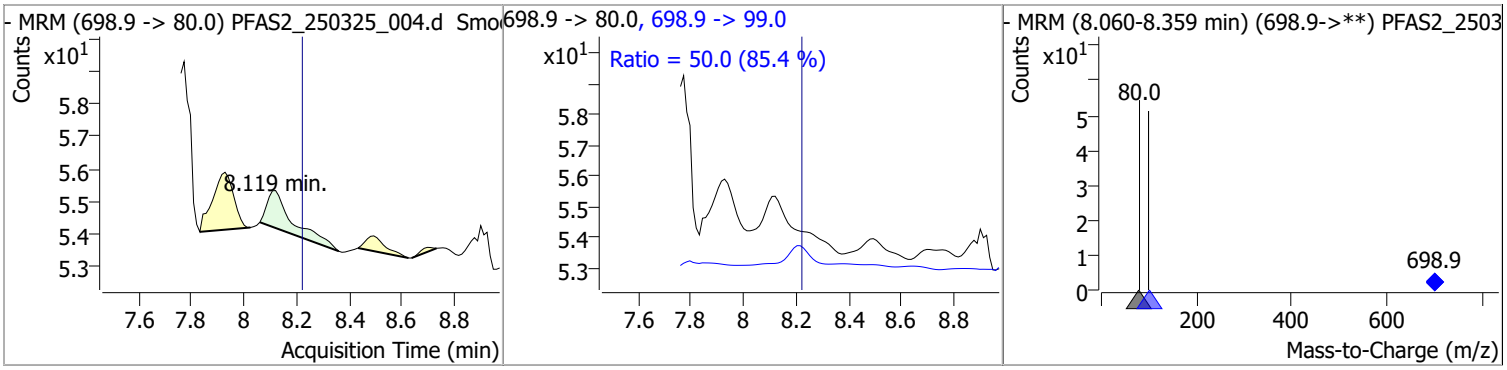
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2372	8.06	-0.01	44845				



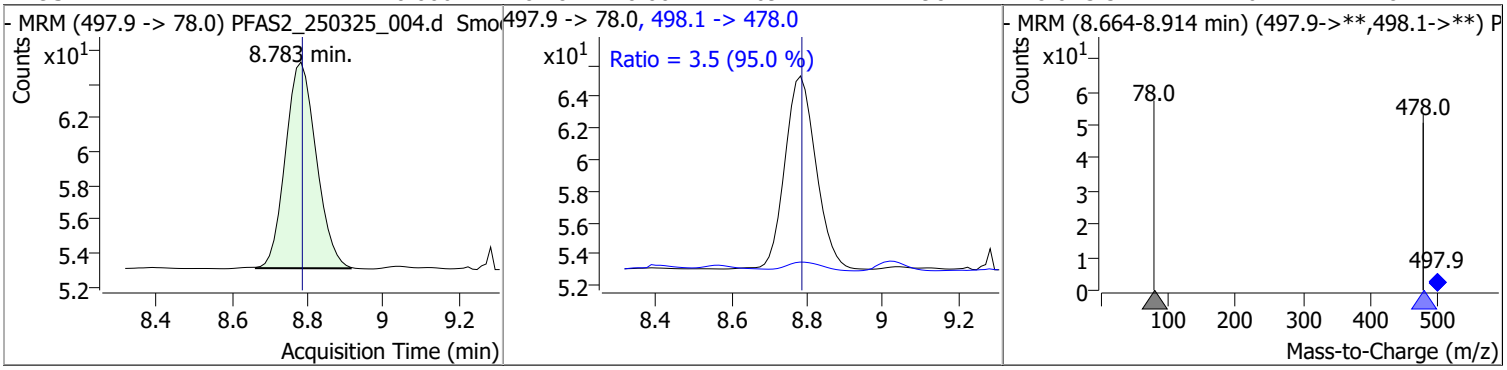
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0086	8.06	-0.01	80	712.9 -> 169.0	3.6	5.8	10.8



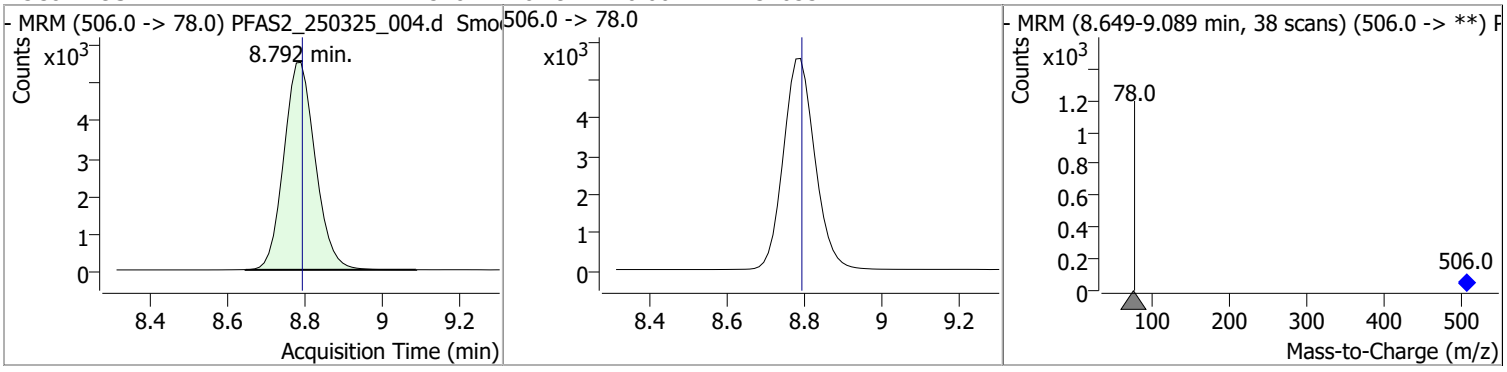
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0016	8.12	-0.10	6	698.9 -> 99.0	50.0	41.0	76.1



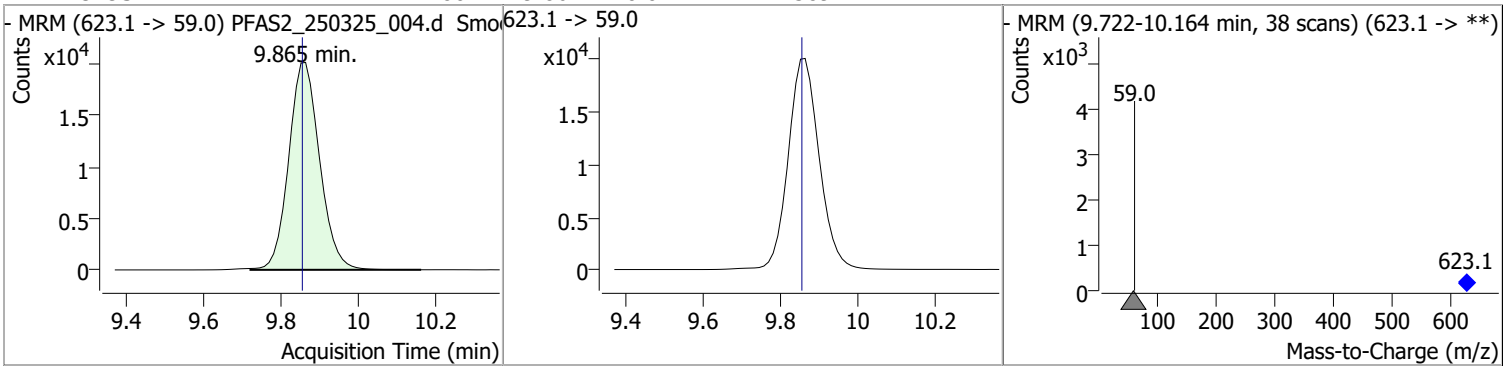
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0064	8.78	0.00	69	498.1 -> 478.0	3.5	2.6	4.8



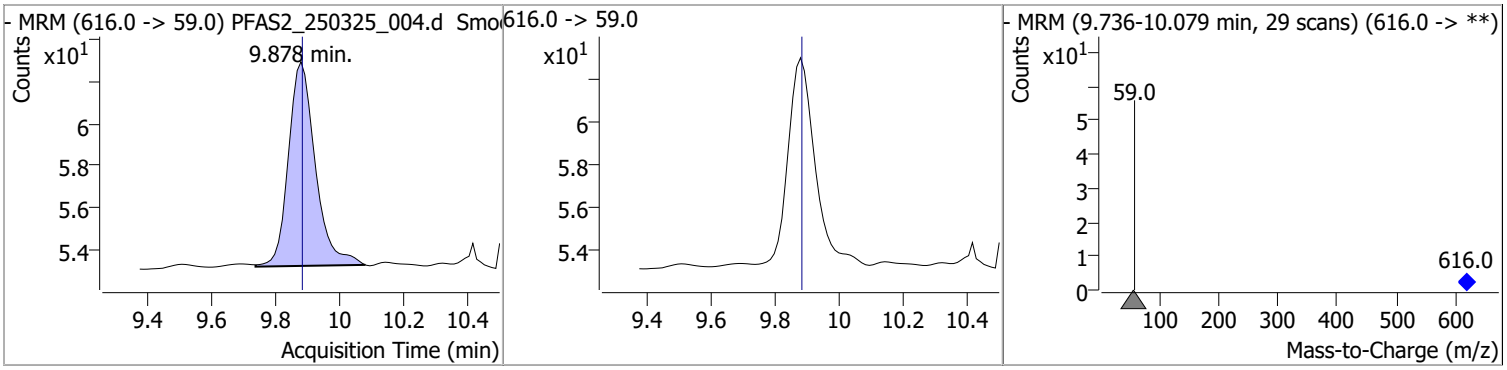
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.1528	8.79	0.00	31053				



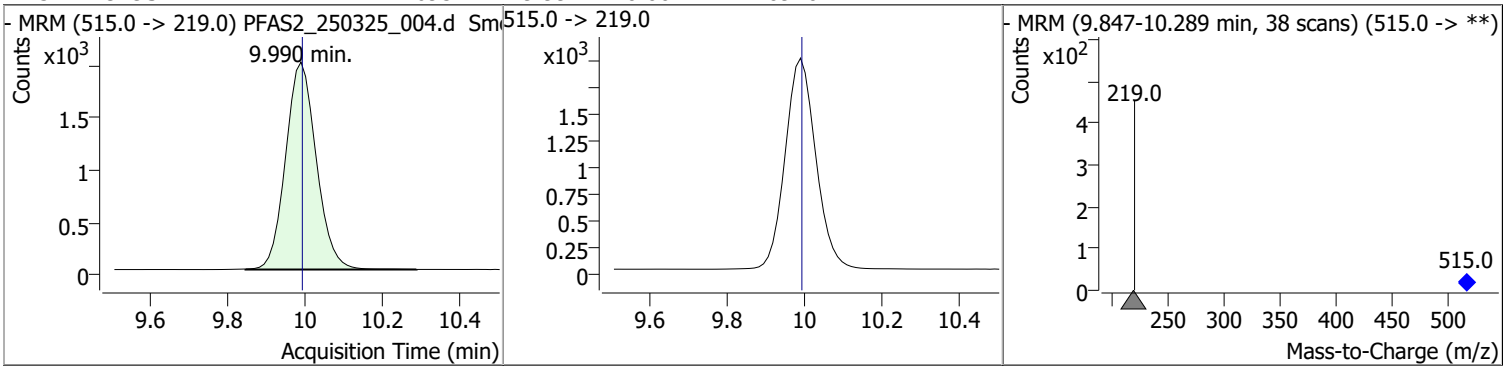
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.7807	9.86	0.01	111389				



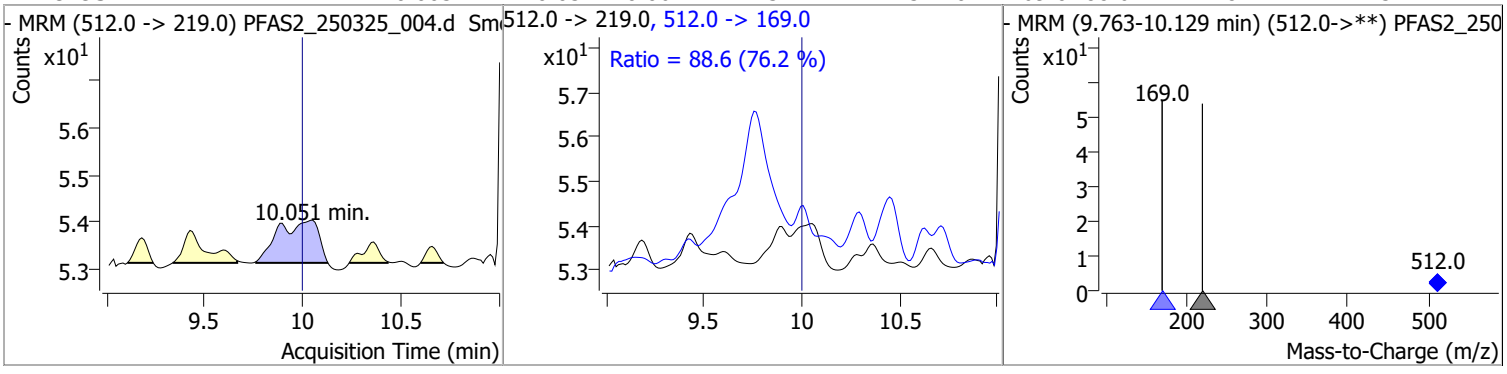
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	57				



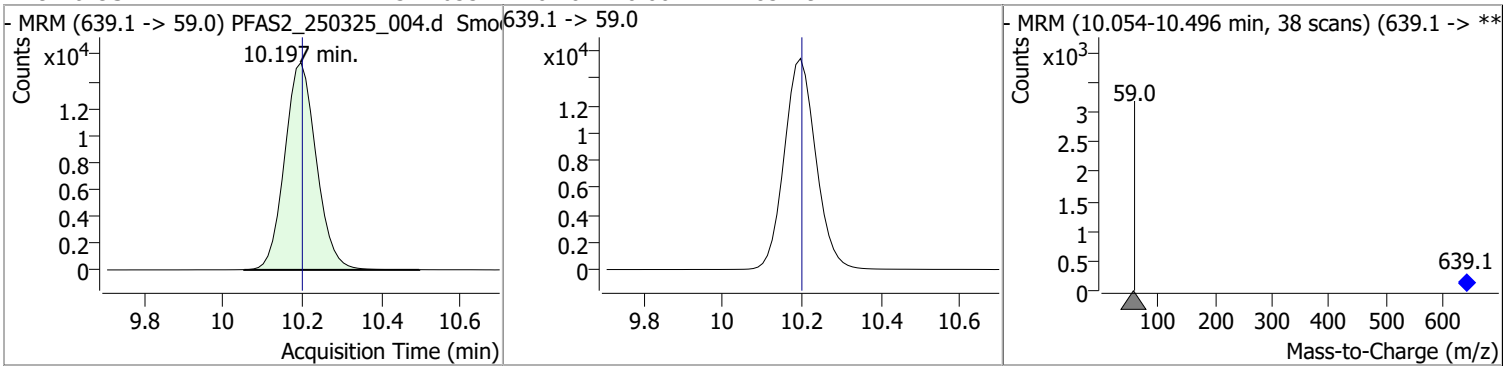
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6951	9.99	0.00	10910				



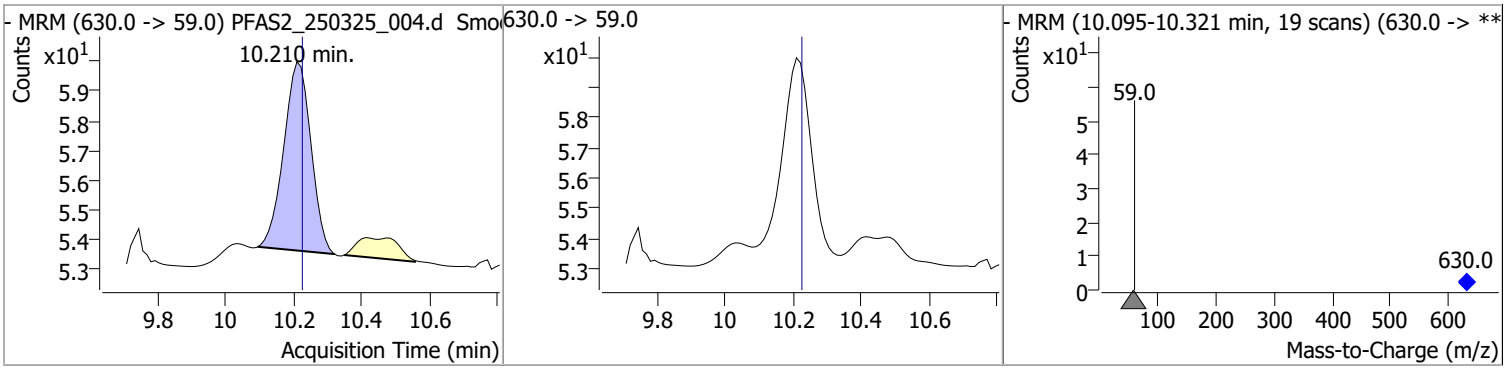
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0031	10.05	0.06	13	512.0 -> 169.0	88.6	81.4	151.2



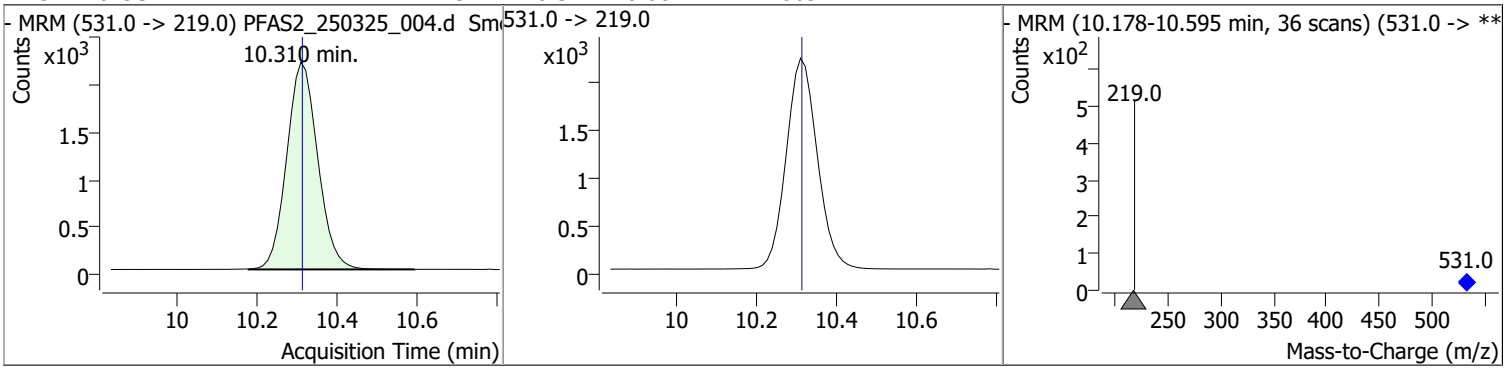
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	34.4655	10.20	0.00	85279				



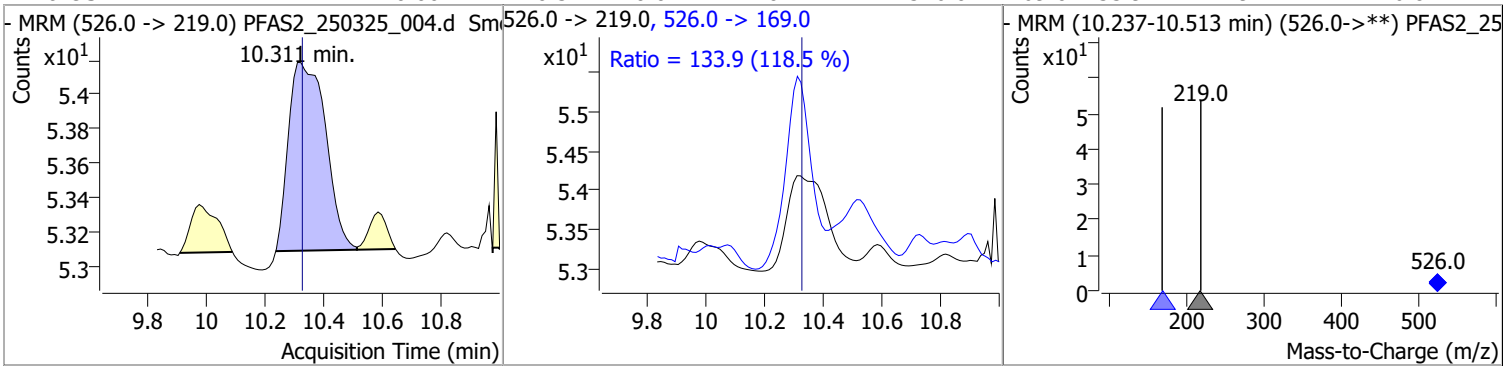
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0211	10.21	-0.01	35				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7115	10.31	0.00	11869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0021	10.31	-0.01	10	526.0 -> 169.0	133.9	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_010.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:30:08 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

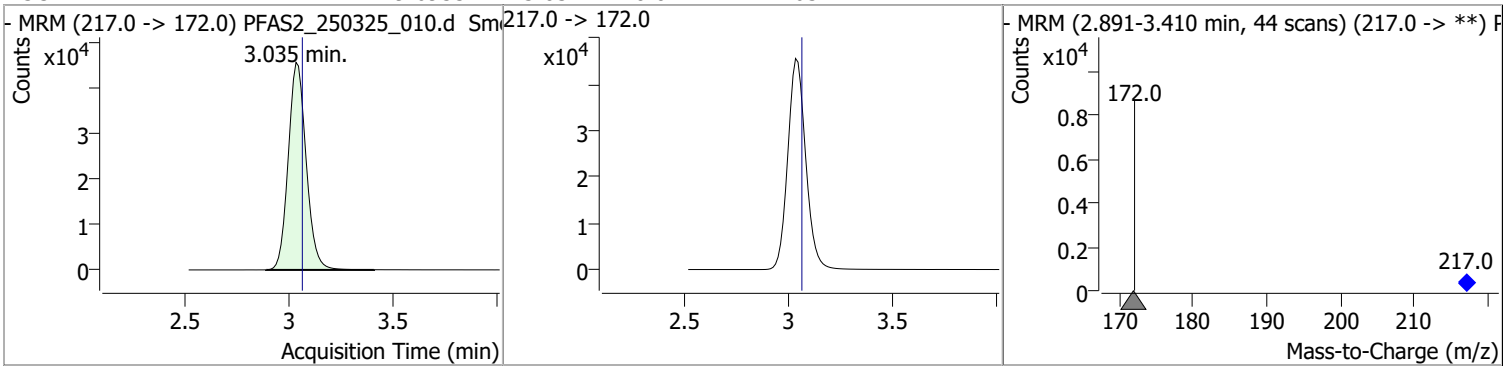
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	123740	5.0000	µg/L		-9.575
13C2-PFHxA	4.878	315.0 -> 270.0	138742	2.5000	µg/L		-9.570
18O2-PFHxS	5.943	403.0 -> 84.0	28630	2.5000	µg/L		-3.375
13C4-PFOA	5.810	417.0 -> 172.0	14540	2.5000	µg/L		-5.875
13C5-PFNA	6.214	468.0 -> 423.0	67933	1.2500	µg/L		-4.552
13C2-PFDA	6.592	515.0 -> 470.0	64365	1.2500	µg/L		-3.755
13C4-PFOS	6.759	503.0 -> 80.0	23877	2.5000	µg/L		-4.145
System Monitoring Compounds							
13C4-PFBA	3.035	217.0 -> 172.0	272634	10.0000	µg/L		-12.289
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C5-PFPeA	4.210	268.0 -> 223.0	184426	5.0000	µg/L		-10.870
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.57%			
13C5-PFPeA	4.210	268.0 -> 223.0	184426	5.0000	µg/L		-10.870
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.57%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	23147	5.0000	µg/L		-8.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.20%			
13C5-PFHxA	4.877	318.0 -> 273.0	142154	2.5000	µg/L		-15.808
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.08%			
13C5-PFHxA	4.877	318.0 -> 273.0	142154	2.5000	µg/L		-15.808
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.08%			
13C3-PFBS	4.917	302.0 -> 80.0	53931	2.5000	µg/L		-11.186
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.01%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	158066	10.0000	µg/L		-9.558
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.01%			
13C4-PFHpA	5.385	367.0 -> 322.0	167335	2.5000	µg/L		-11.410
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.00%			
13C3-PFHxS	5.944	402.0 -> 80.0	31796	2.5000	µg/L		-9.022
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.18%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	13223	5.0000	µg/L	#	-10.467
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.76%			
13C8-PFOA	5.809	421.0 -> 376.0	157528	2.5000	µg/L		-8.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.90%			
13C3-PFHxS	5.944	402.0 -> 80.0	31796	2.5000	µg/L		-9.022
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.18%			
13C9-PFNA	6.213	472.0 -> 427.0	65106	1.2500	µg/L		-7.604
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.76%			
13C8-PFOS	6.759	507.0 -> 80.0	23081	2.5000	µg/L		-8.713
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.27%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9434	5.0000	µg/L	#	-20.355
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.32%			
13C6-PFDA	6.591	519.0 -> 474.0	64225	1.2500	µg/L		-5.496
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.10%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49620	5.0000	µg/L		-11.105
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.63%			
13C8-PFOS	6.759	507.0 -> 80.0	23081	2.5000	µg/L		-8.713

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.27%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38890	5.0000	µg/L		-7.776
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.16%			
13C7-PFUnDA	6.966	570.0 -> 525.0	47660	1.2500	µg/L		-11.088
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.37%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	40356	1.2500	µg/L		-8.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.89%			
13C2-PFDoDA	7.344	615.0 -> 570.0	38145	1.2500	µg/L		-4.506
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.23%			
13C2-PFTDA	8.068	715.0 -> 670.0	42567	1.2500	µg/L		-11.842
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.32%			
13C8-PFOSA	8.792	506.0 -> 78.0	32854	2.5000	µg/L		-11.112
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.54%			
13C8-PFOSA	8.792	506.0 -> 78.0	32854	2.5000	µg/L		-11.112
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.54%			
2H7-MeFOSE	9.853	623.1 -> 59.0	82556	25.0000	µg/L		-34.294
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 68.60%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9890	2.5000	µg/L		-4.621
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.27%			
2H9-EtFOSE	10.197	639.1 -> 59.0	60475	25.0000	µg/L		-4.778
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 99.30%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10580	2.5000	µg/L		-5.877
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.20%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	56	0.0582	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.211	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.441	279.0 -> 85.0	65	0.0362	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.811	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.075	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.189	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.458	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.527	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.619	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.810	413.0 -> 369.0	668	0.0470	µg/L		99
PFHxS	5.945	398.9 -> 80.0	174	0.0140	µg/L		90
PFNA	6.761	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	6.596	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.436	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.604	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.597	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.760	498.9 -> 80.0	432	0.0776	µg/L	#	65
N-EtFOSAA	6.882	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.528	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.029	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.171	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.380	613.0 -> 569.0	0	0.0000	µg/L	md	

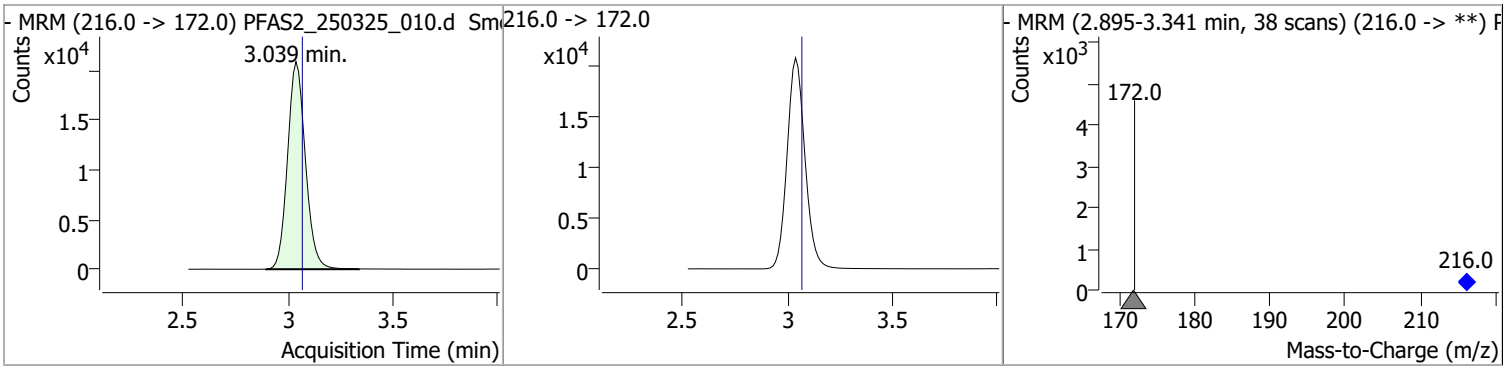
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	0.000		0	N.D.			
11Cl-PF3OUdS	7.775	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.057	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.192	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	29	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	33	0.0248	µg/L		100
N-EtFOSA	10.359	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

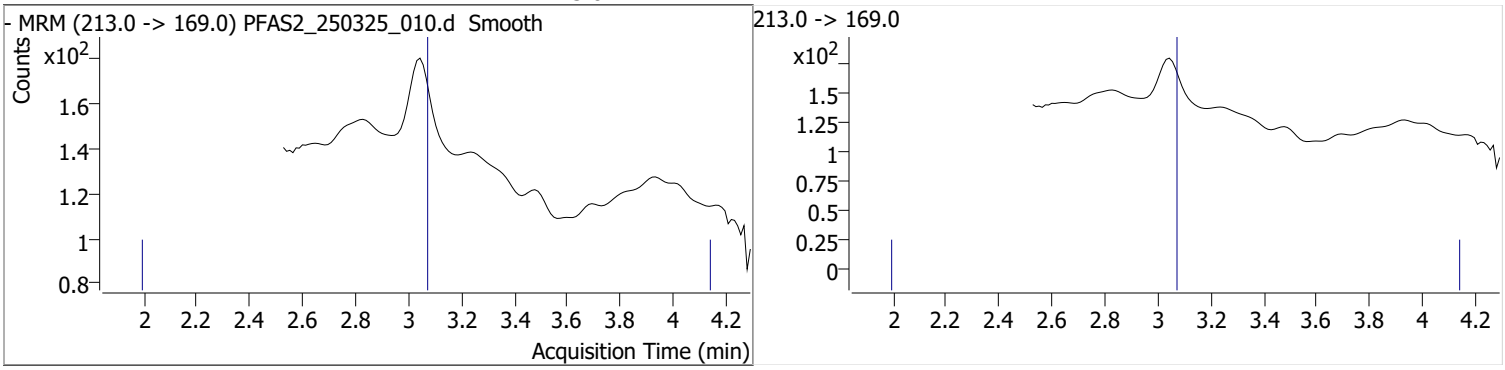
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6955	3.03	-0.02	272634				



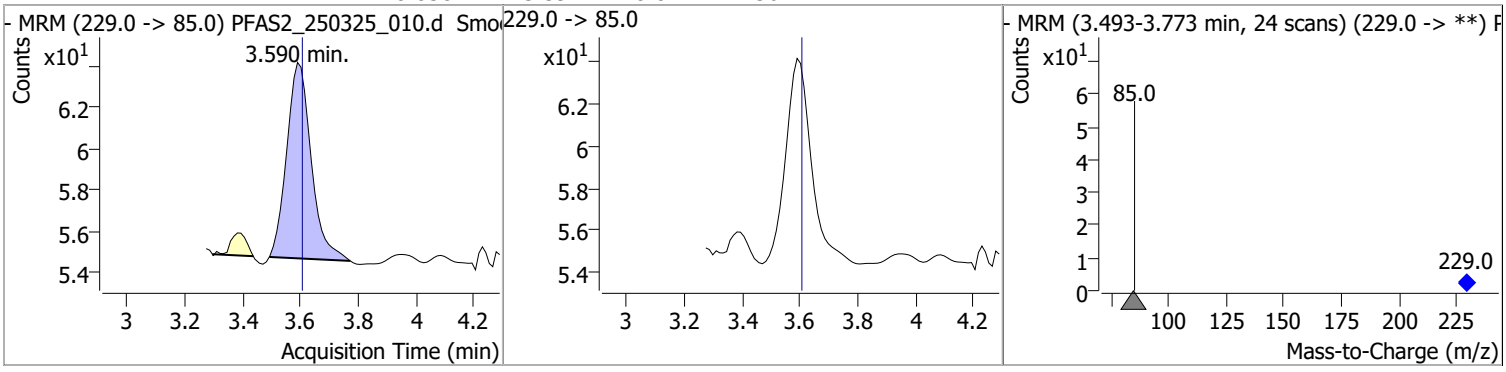
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA	3.04	-0.02	123740					



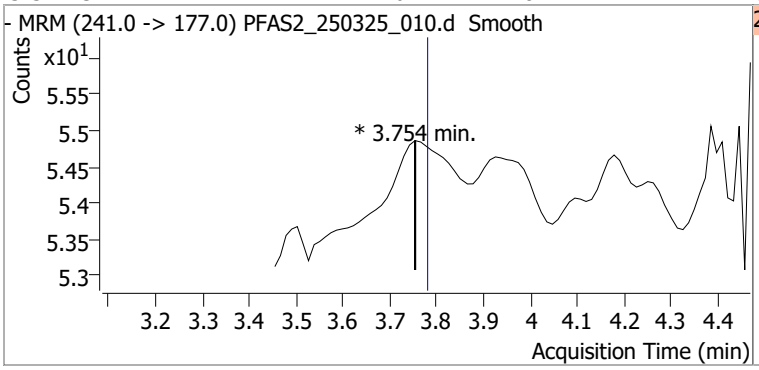
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		

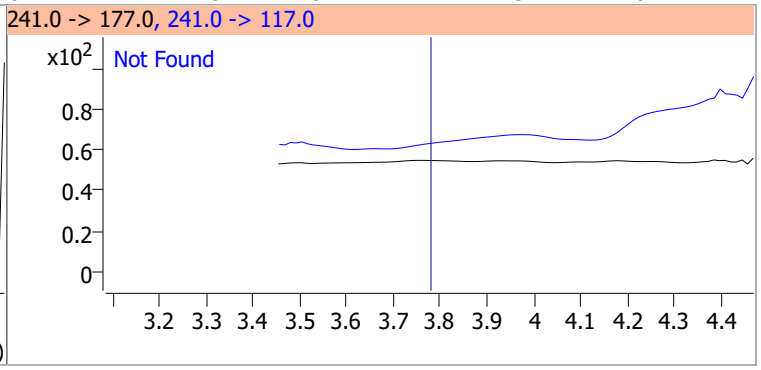


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0582	3.59	-0.01	56				

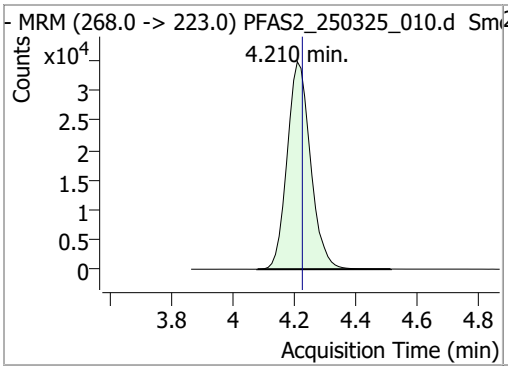


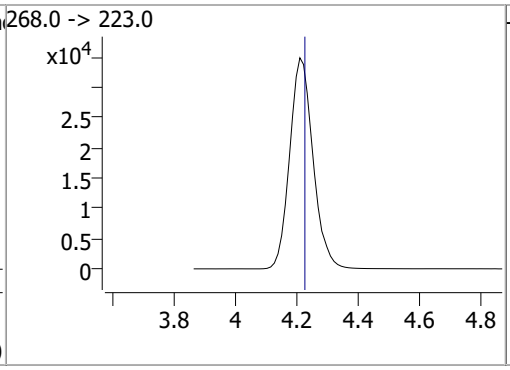
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

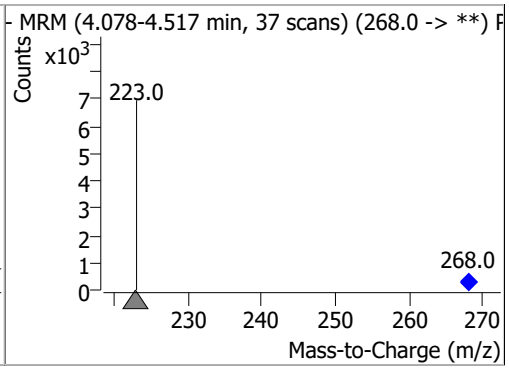




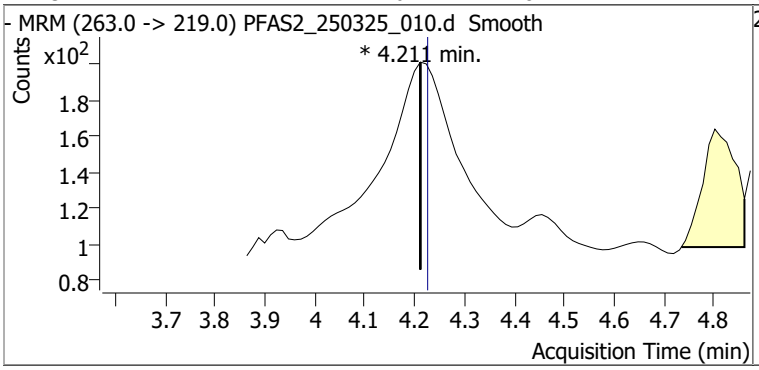
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9284	4.21	-0.01	184426				

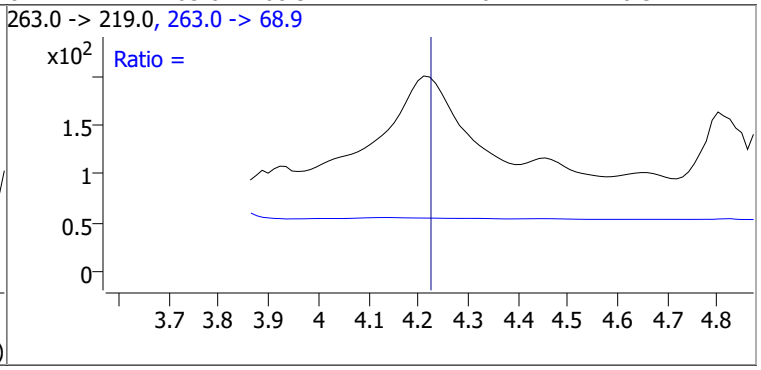




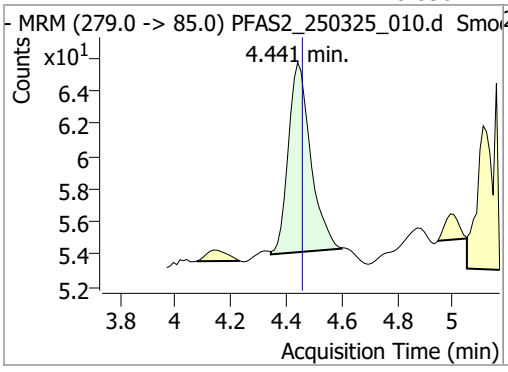


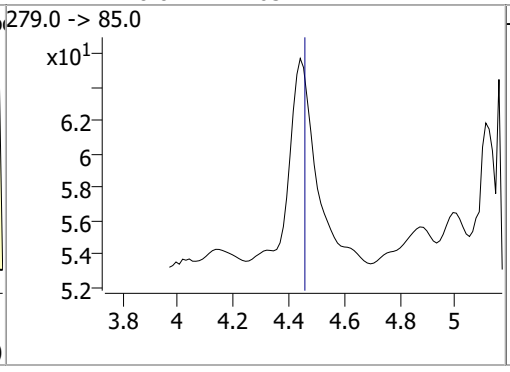
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

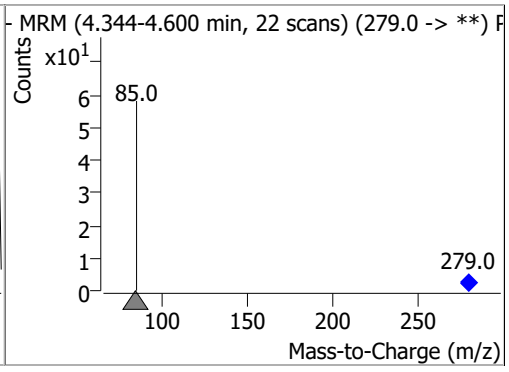




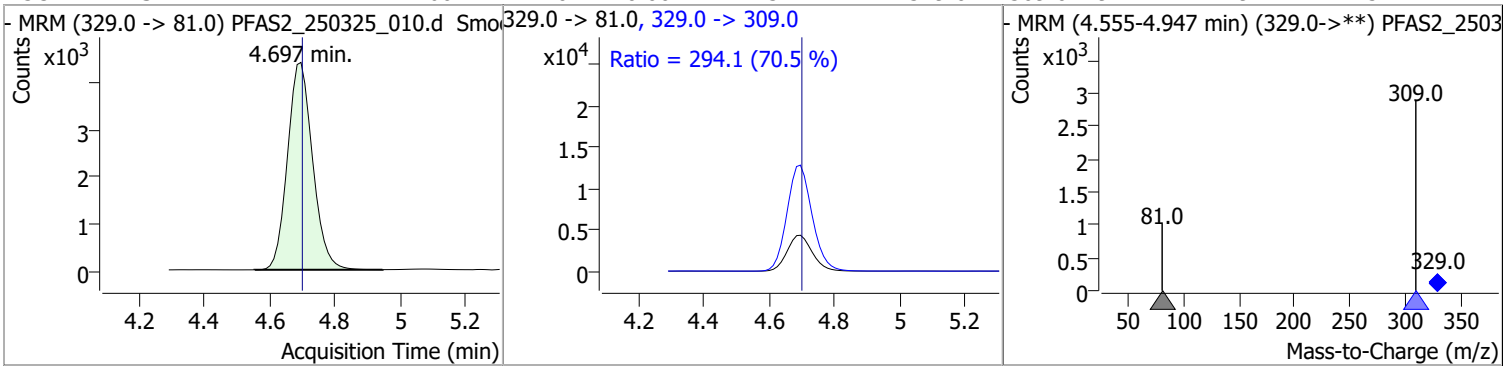
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0362	4.44	-0.01	65				



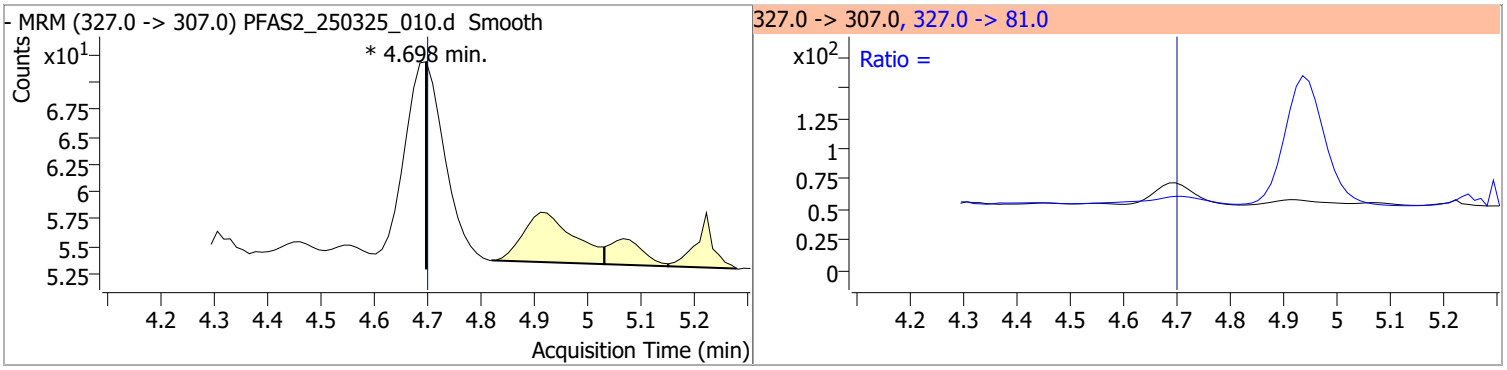




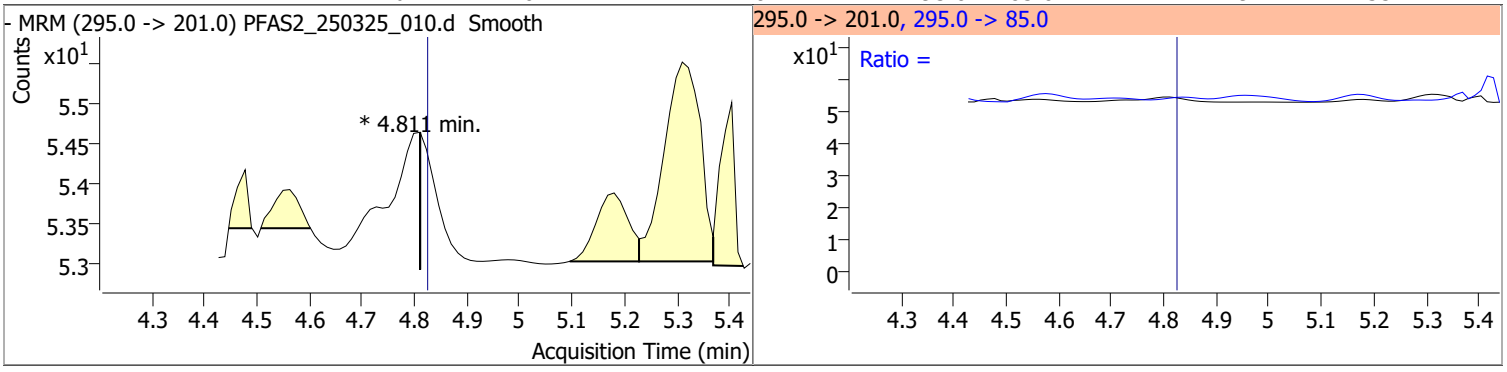
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.7601	4.70	0.00	23147	329.0 -> 309.0	294.1	292.1	542.4



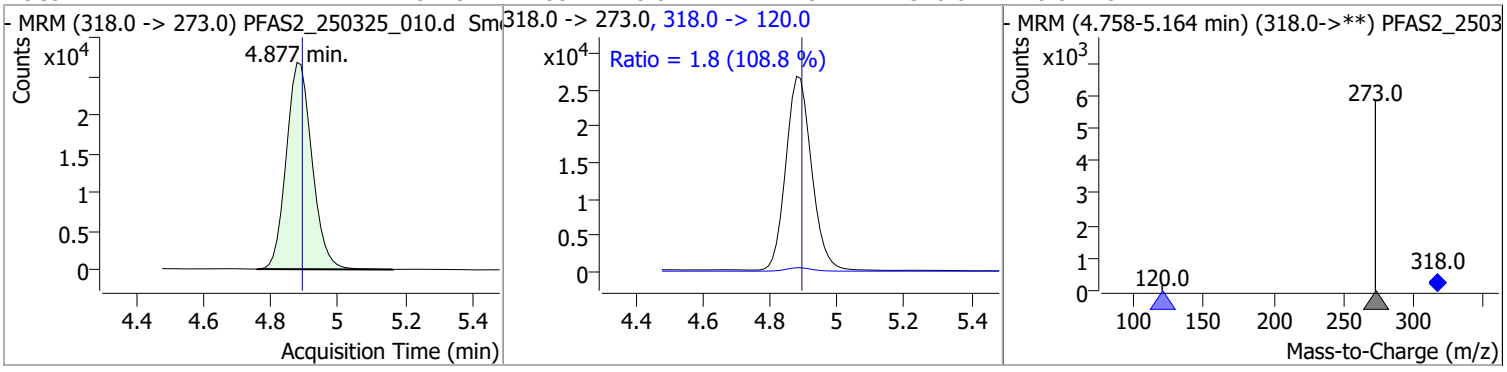
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



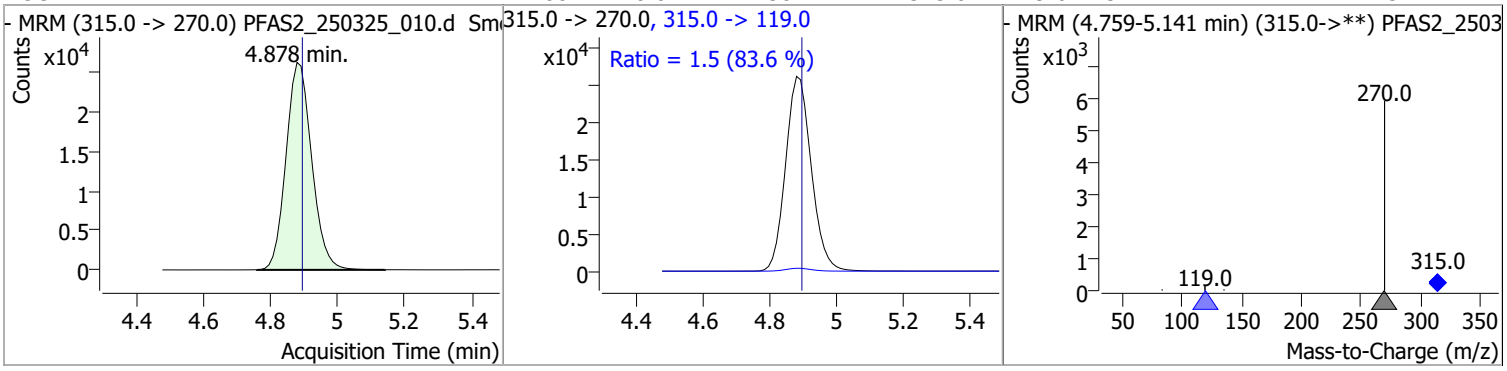
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



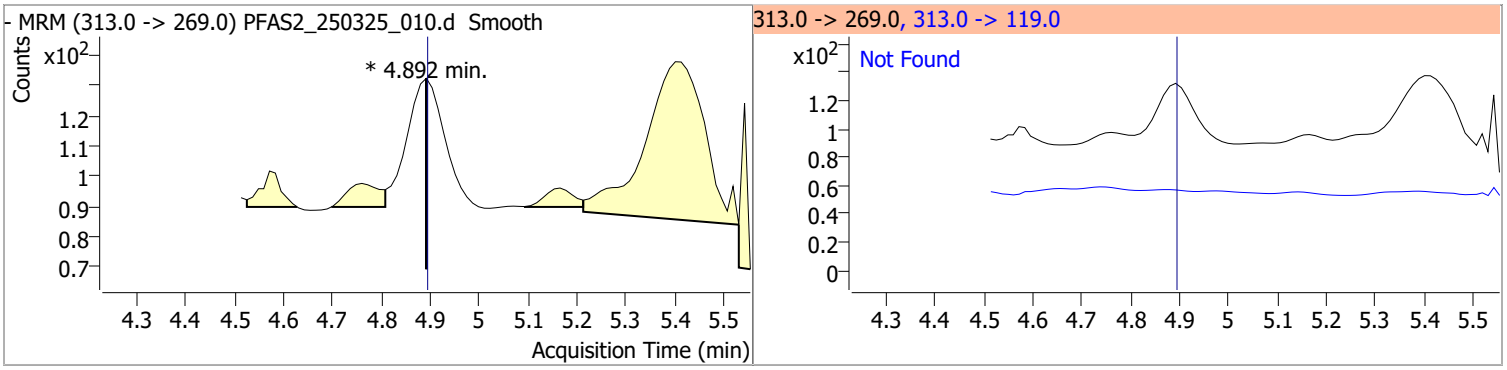
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3270	4.88	-0.01	142154	318.0 -> 120.0	1.8	1.1	2.1



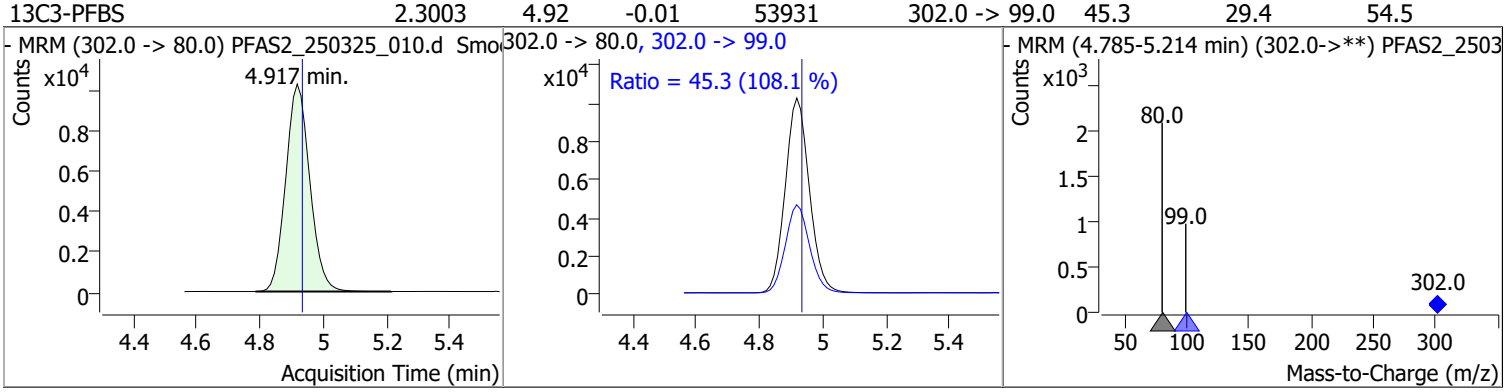
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	138742	315.0 -> 119.0	1.5	1.2	2.3



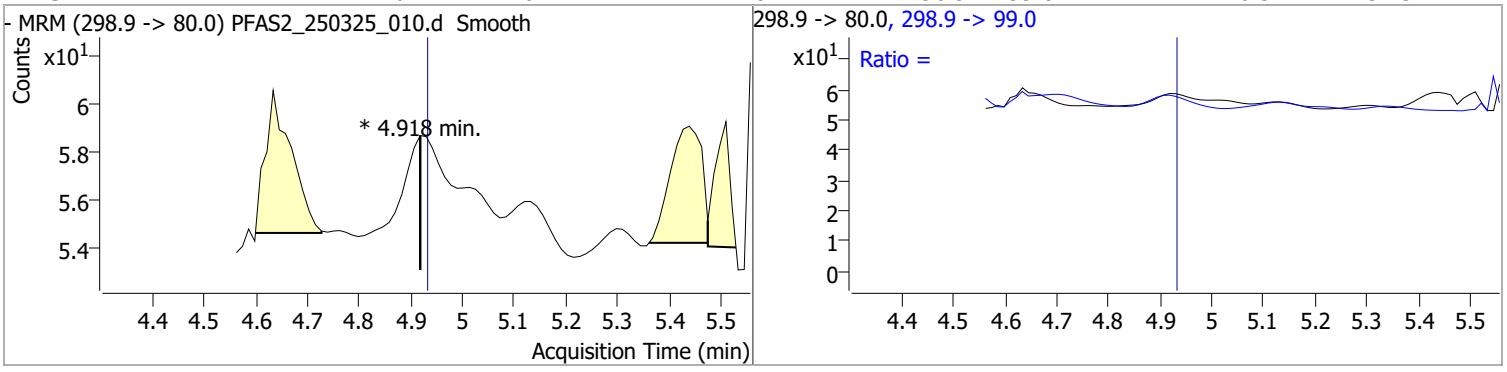
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



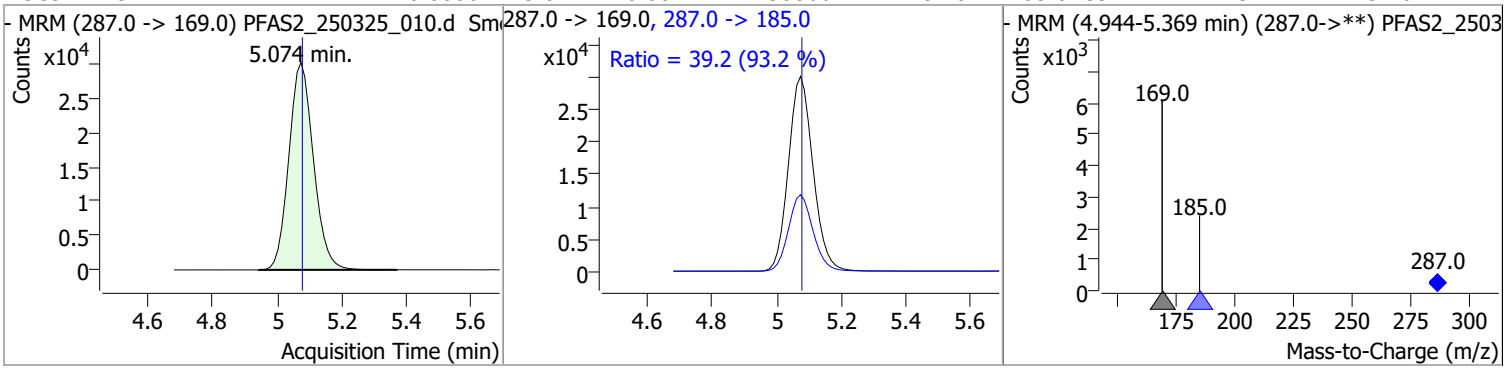
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3003	4.92	-0.01	53931	302.0 -> 99.0	45.3	29.4	54.5



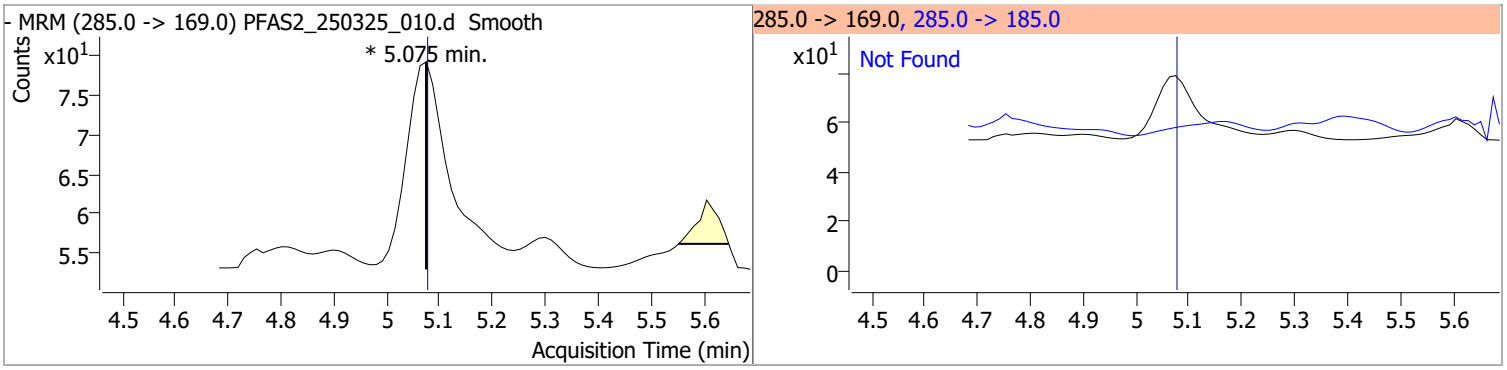
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



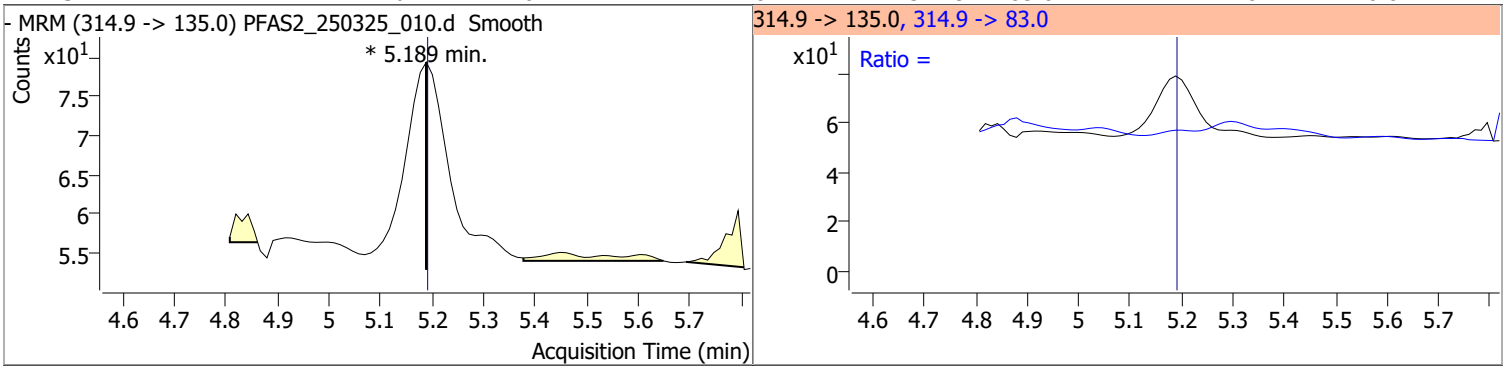
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0008	5.07	0.00	158066	287.0 -> 185.0	39.2	29.4	54.6



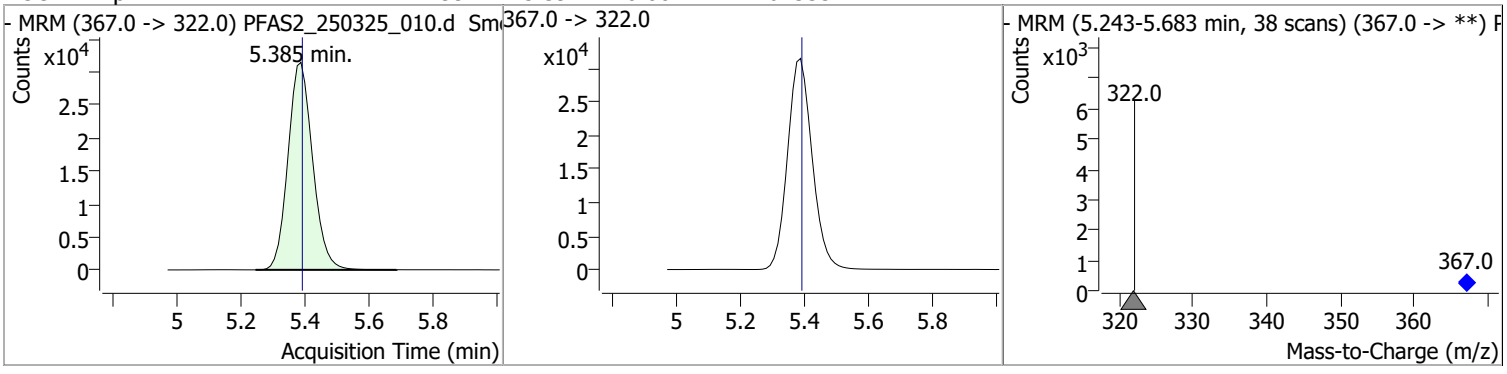
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



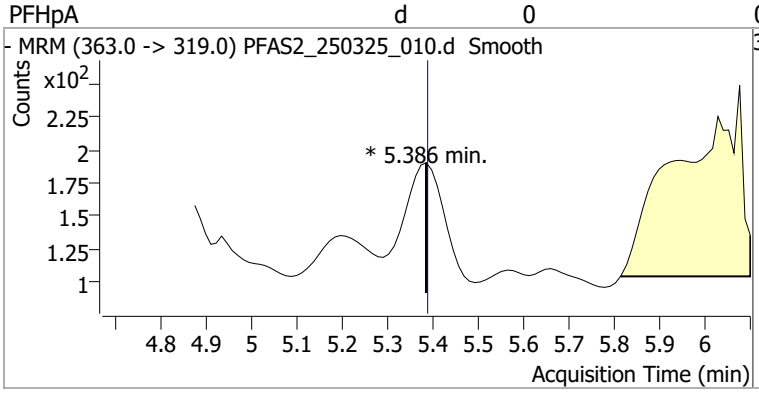
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

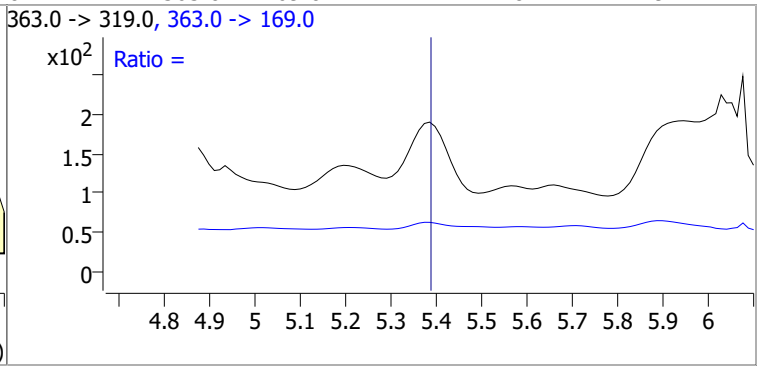


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4499	5.39	0.00	167335				

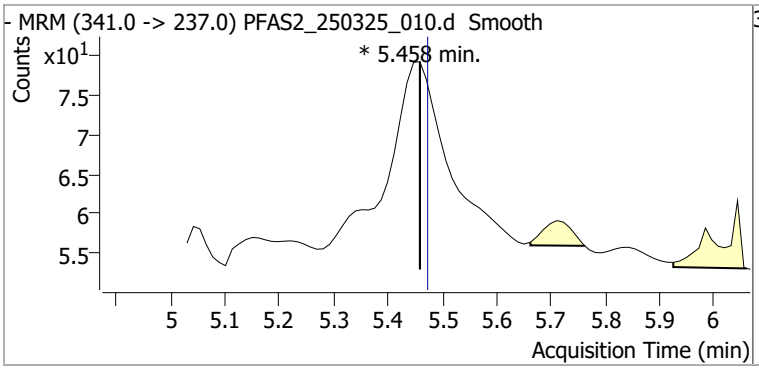


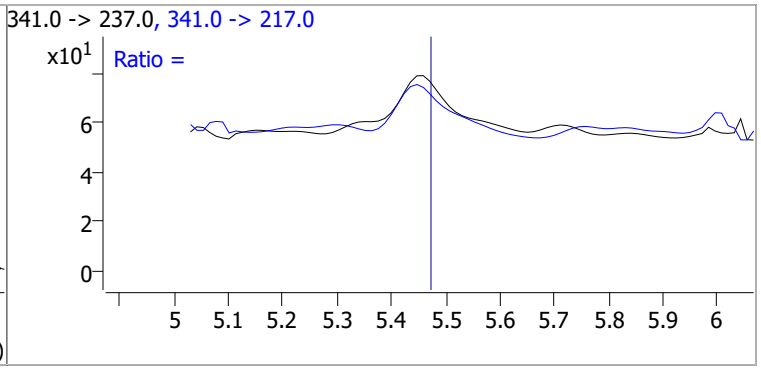
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



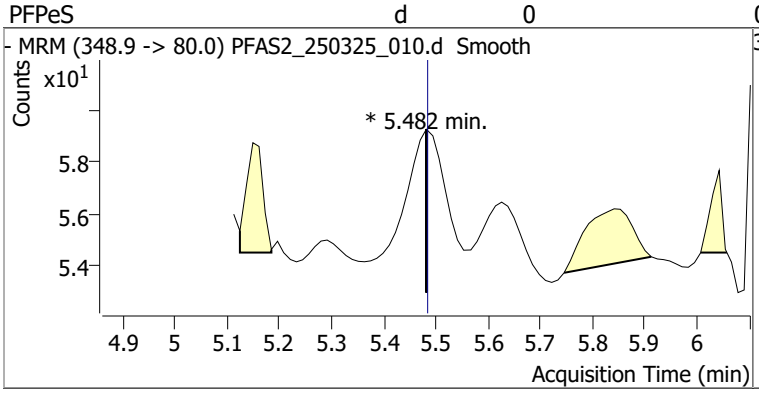


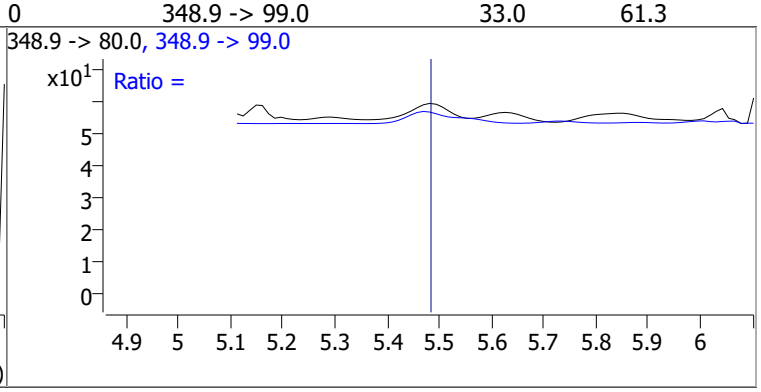
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



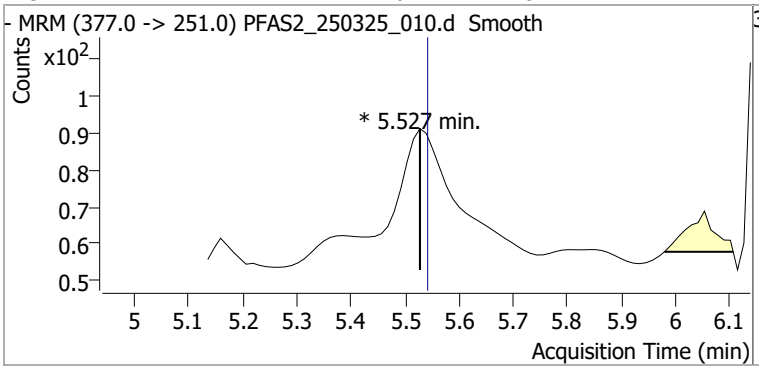


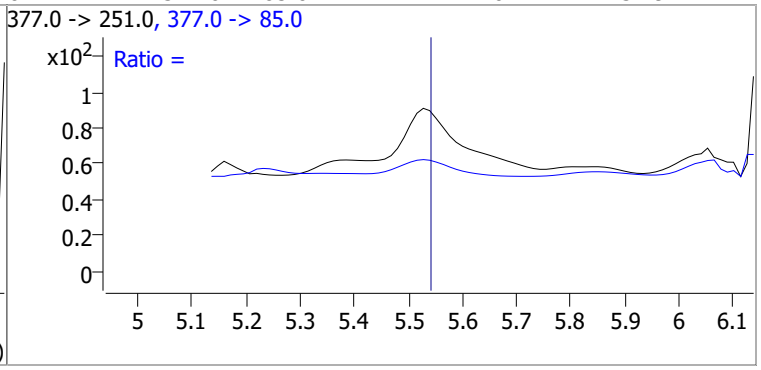
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



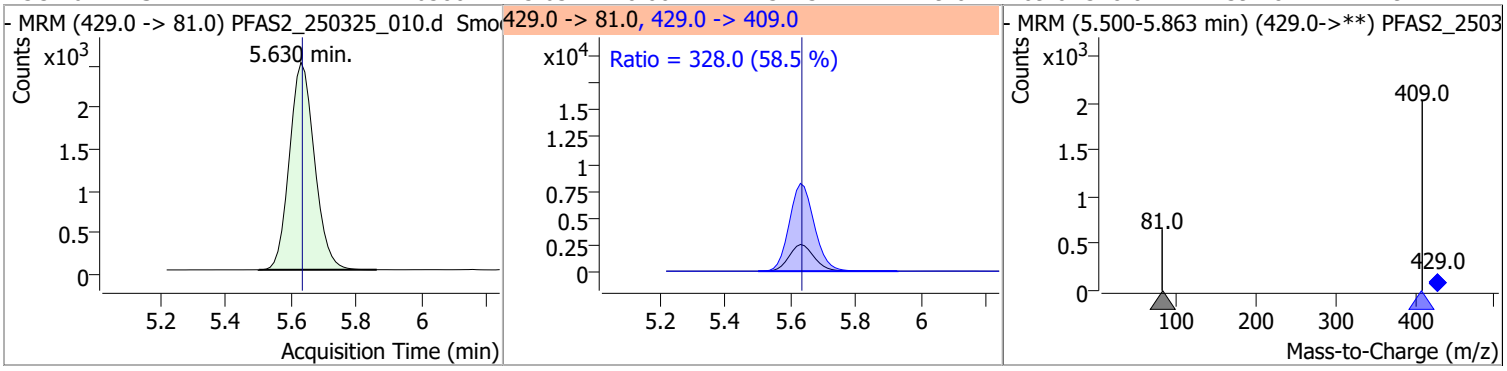


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

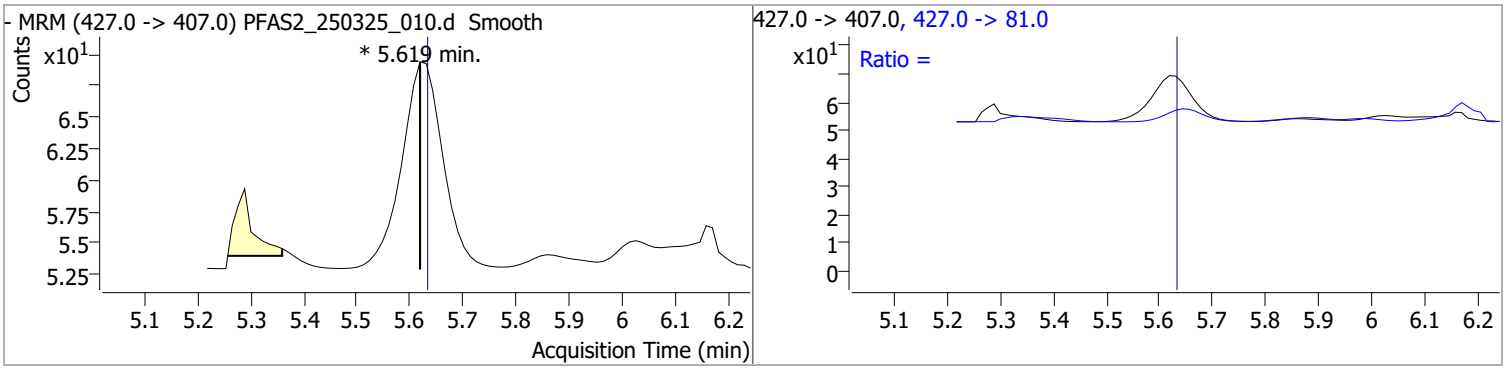




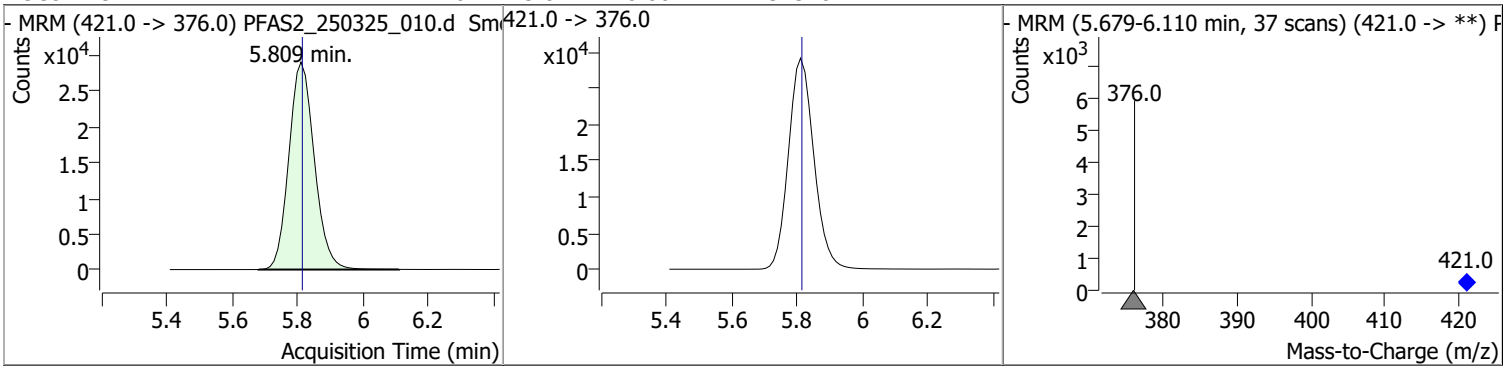
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6380	5.63	0.00	13223	429.0 -> 409.0	328.0	392.8	729.4



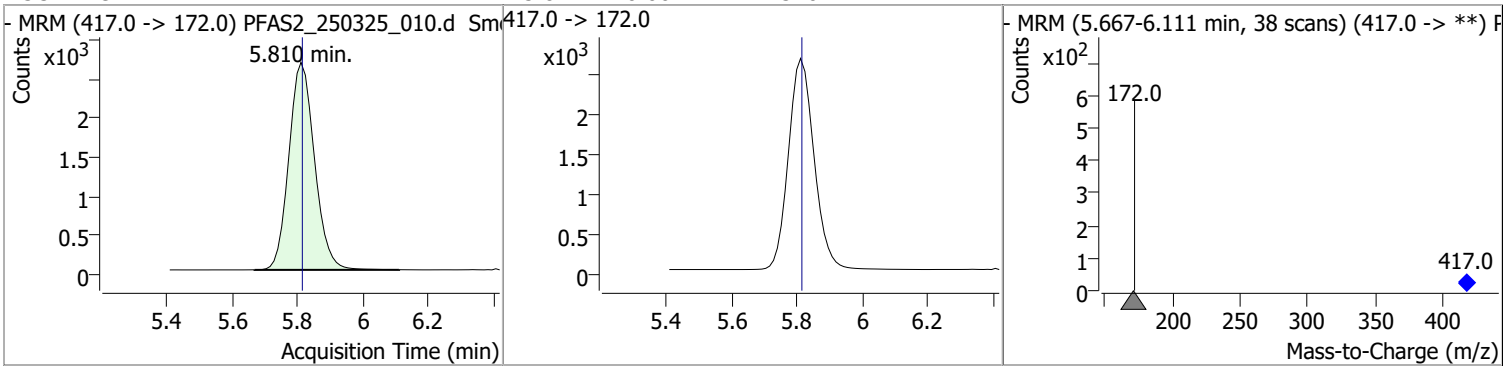
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



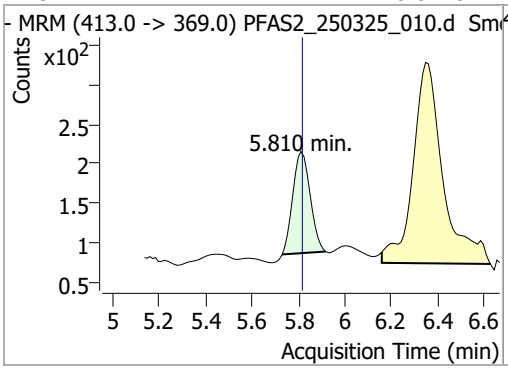
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4226	5.81	0.00	157528				

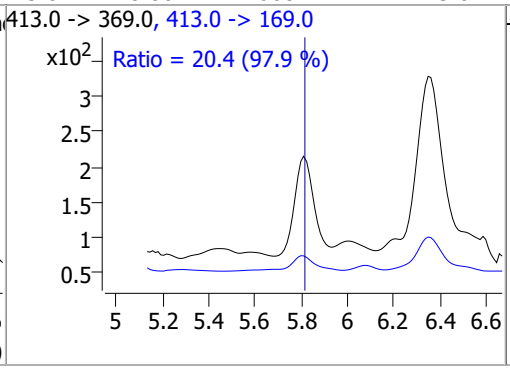


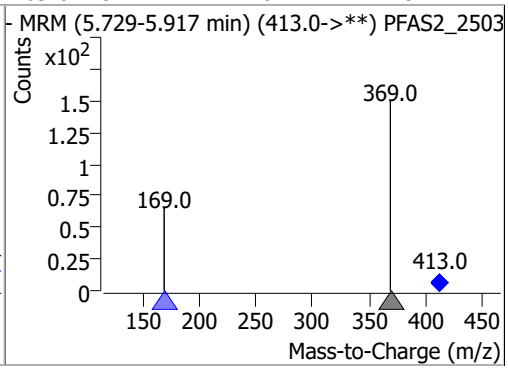
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	14540				



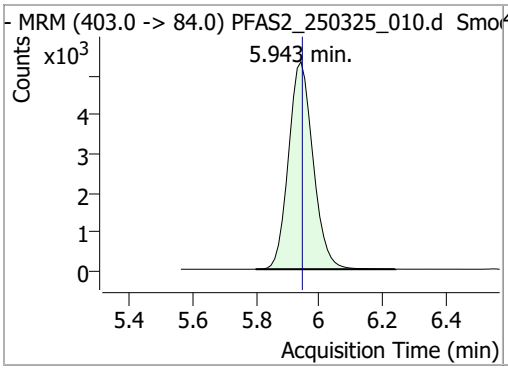
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0470	5.81	0.00	668	413.0 -> 169.0	20.4	14.6	27.0

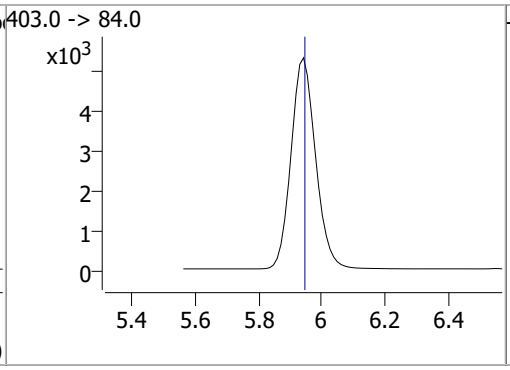


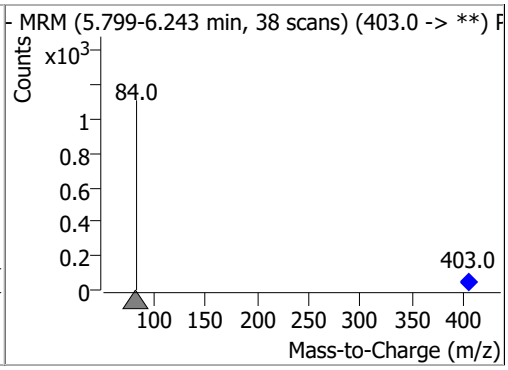




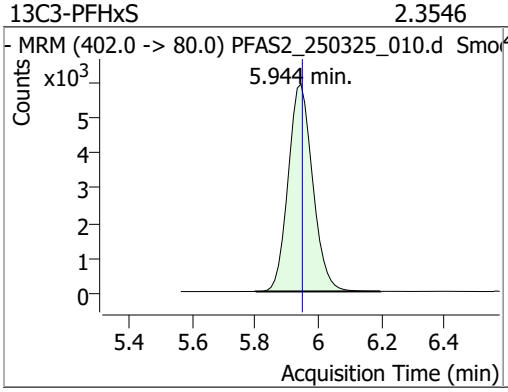
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	28630				

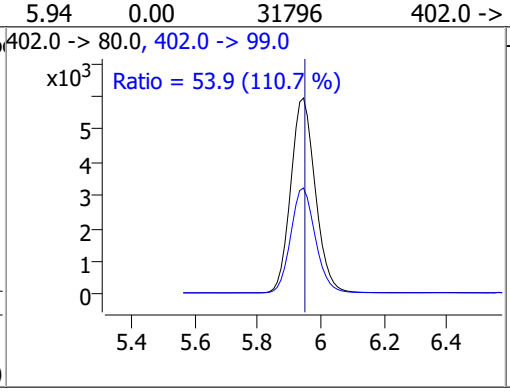


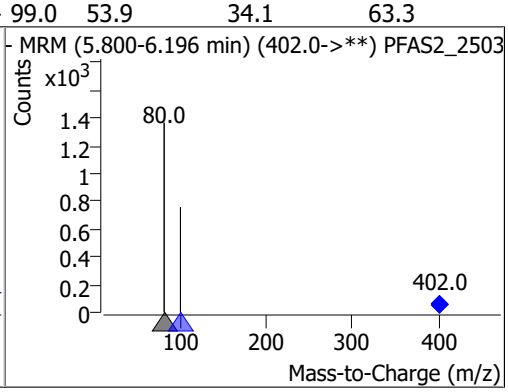




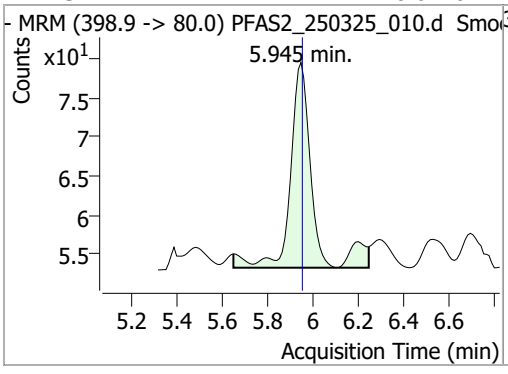
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3546	5.94	0.00	31796	402.0 -> 99.0	53.9	34.1	63.3

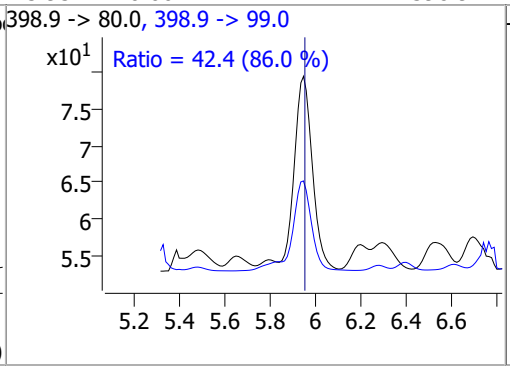


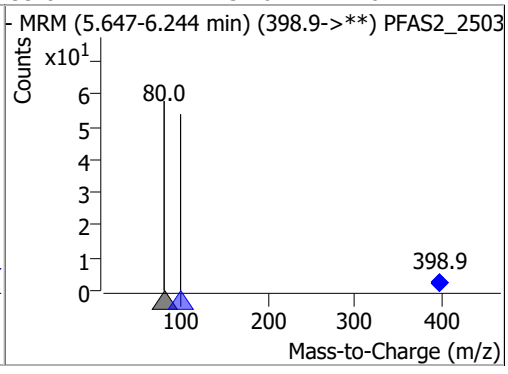




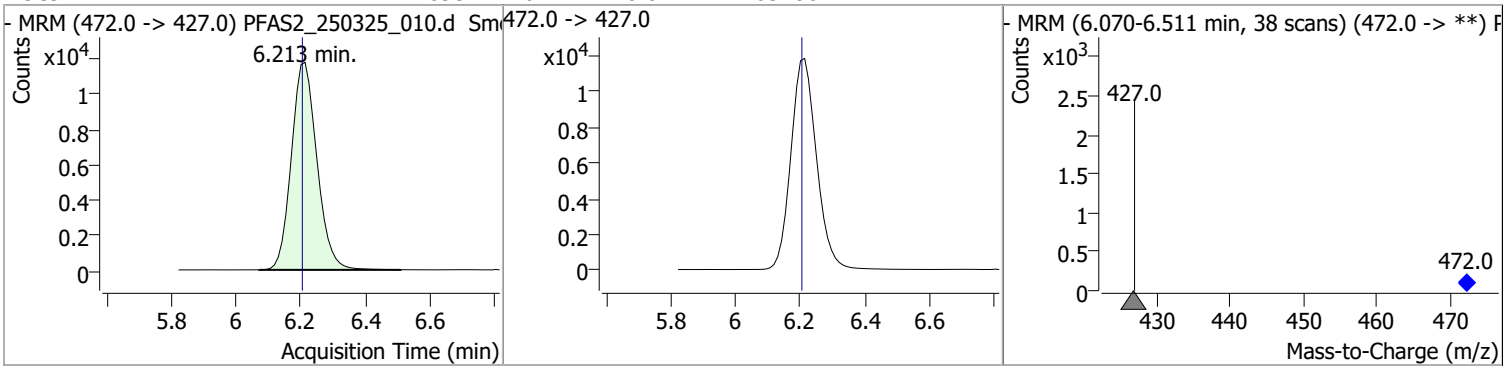
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0140	5.95	0.00	174	398.9 -> 99.0	42.4	34.6	64.2



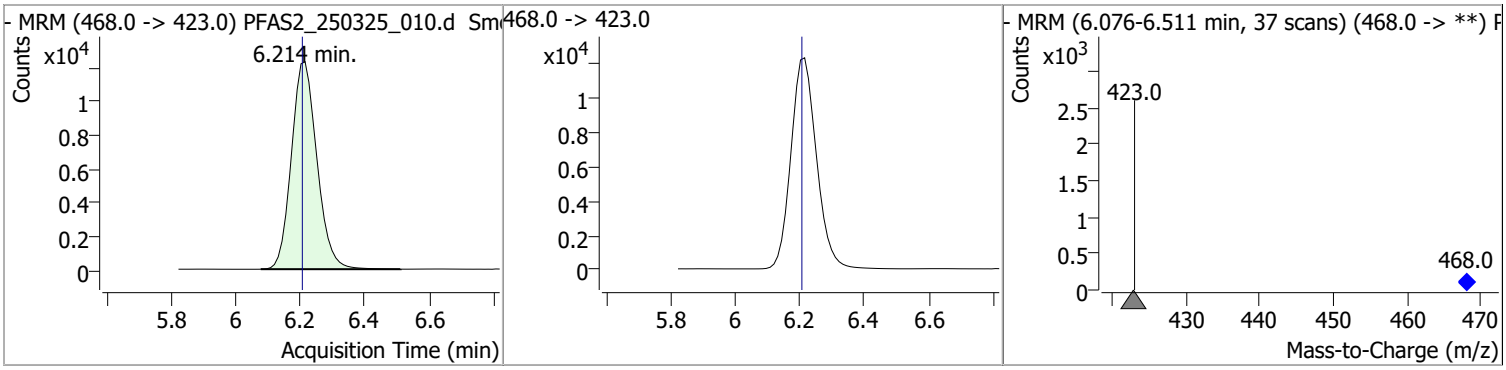




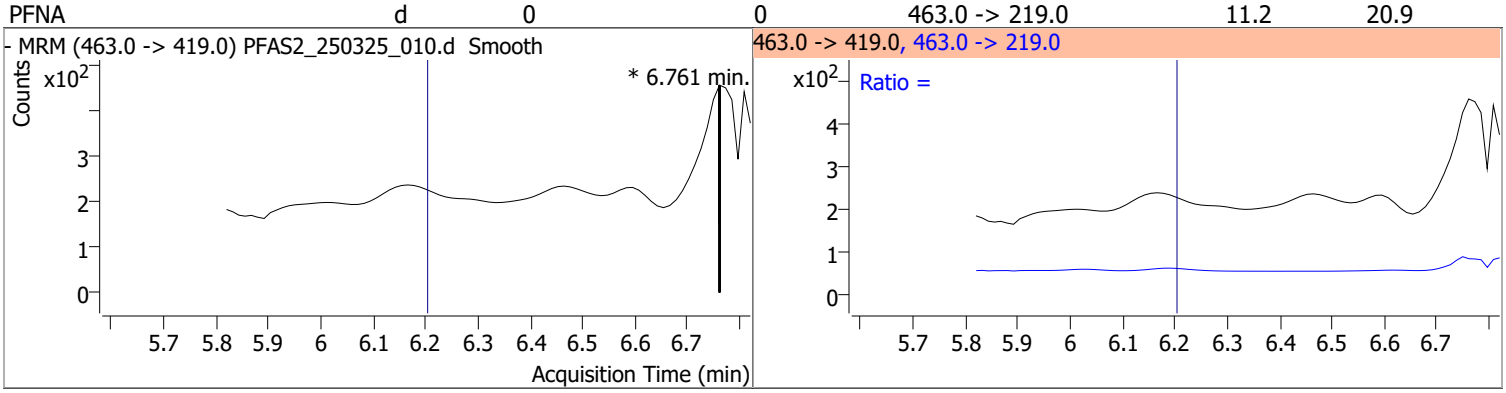
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2095	6.21	0.01	65106				



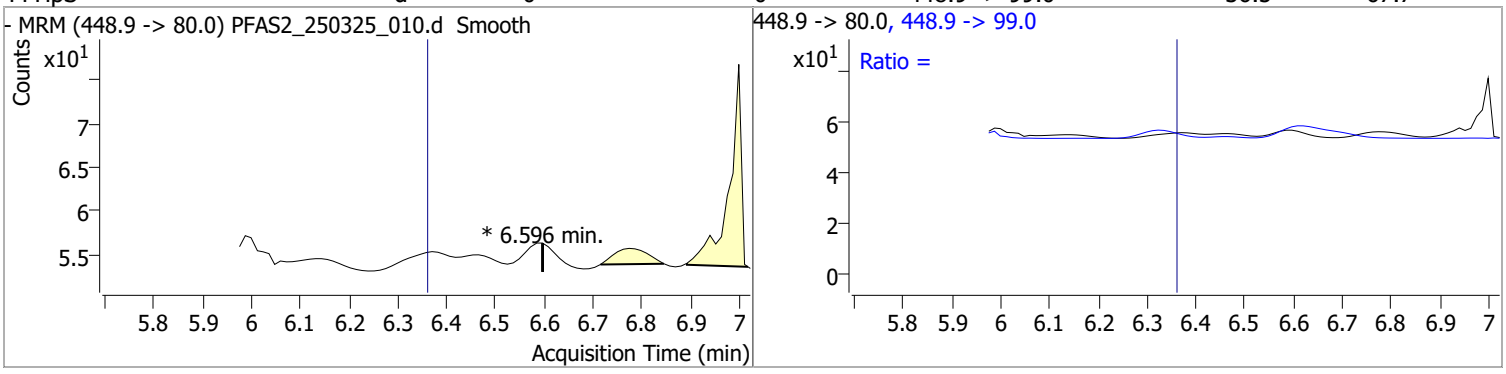
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	67933				



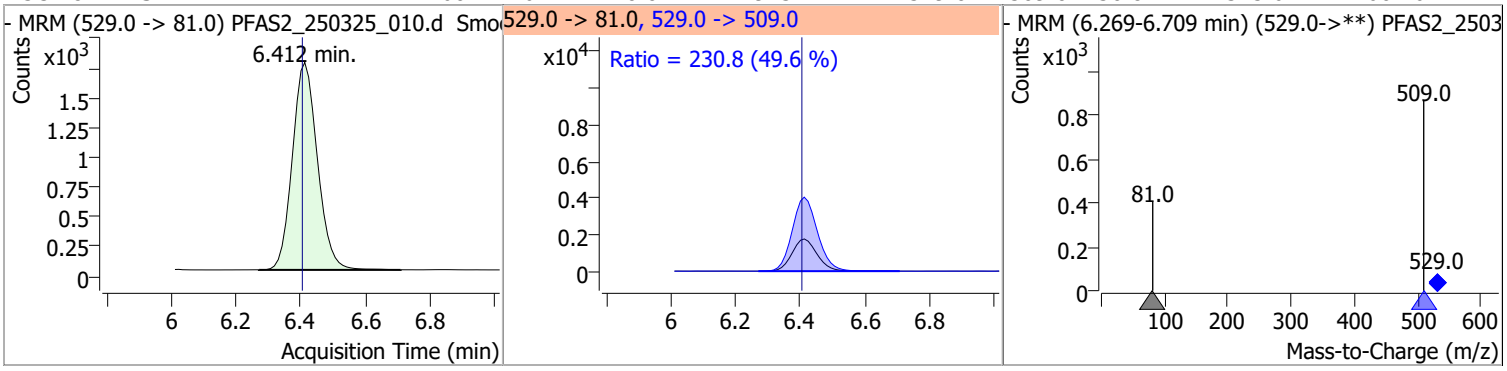
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



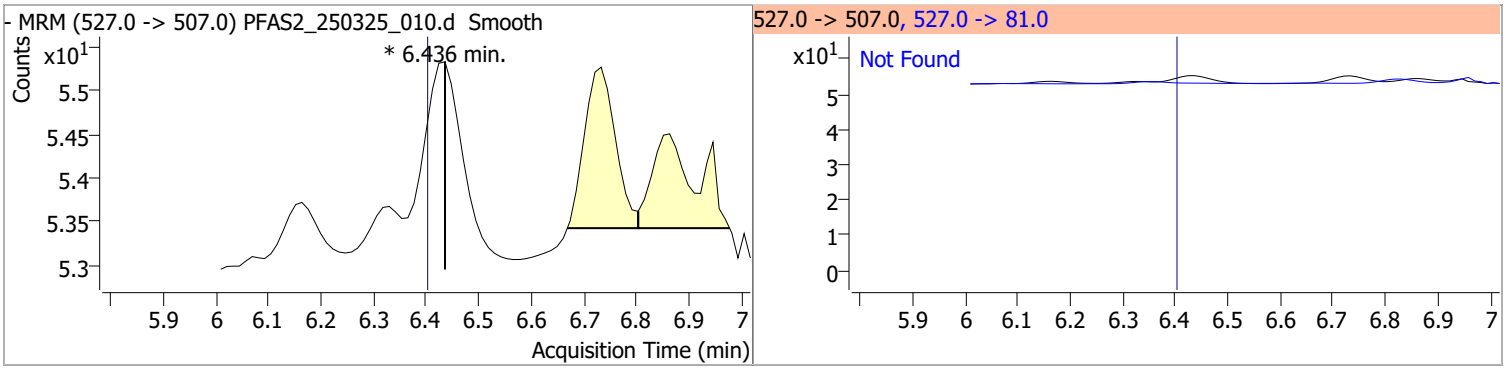
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



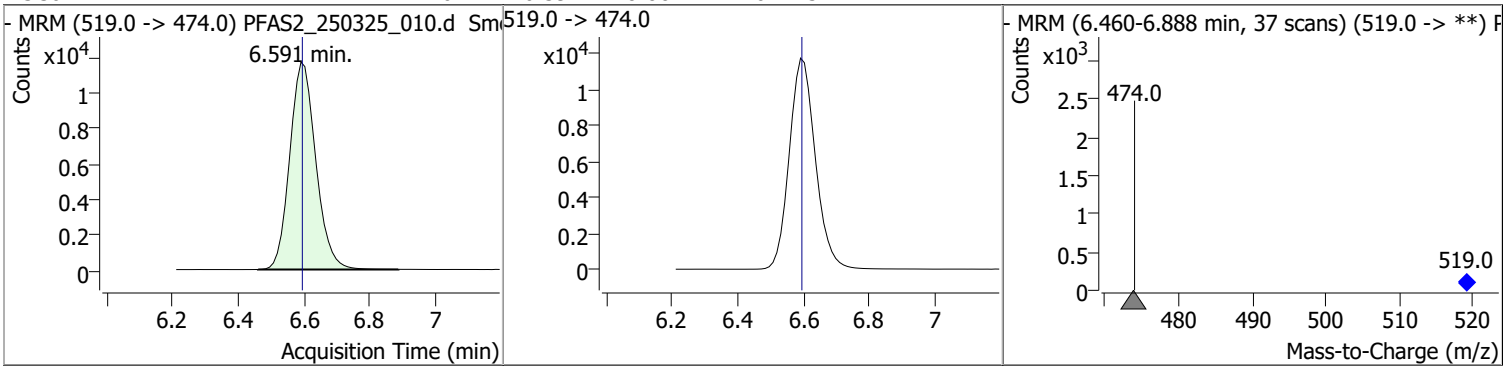
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.1160	6.41	0.01	9434	529.0 -> 509.0	230.8	325.6	604.6



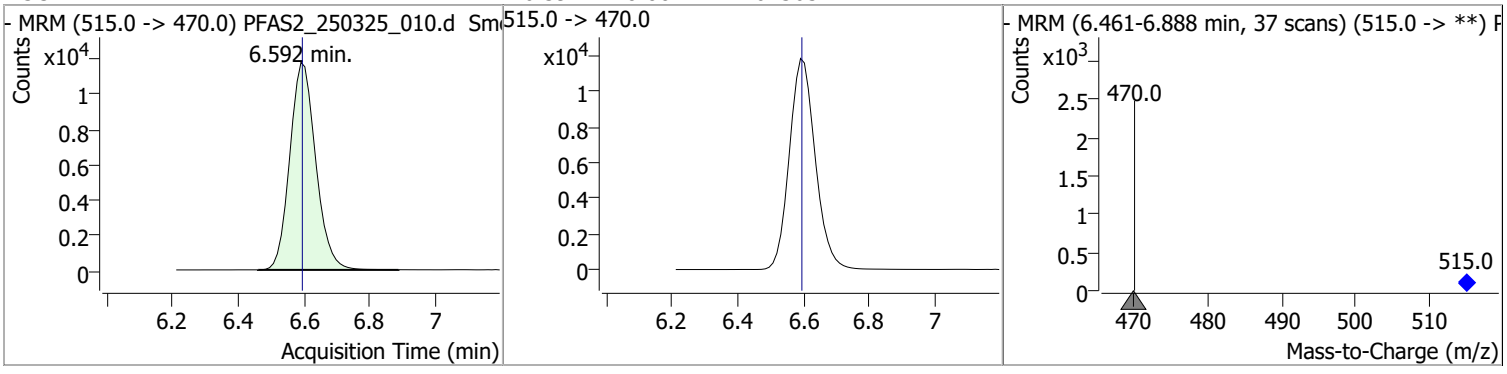
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



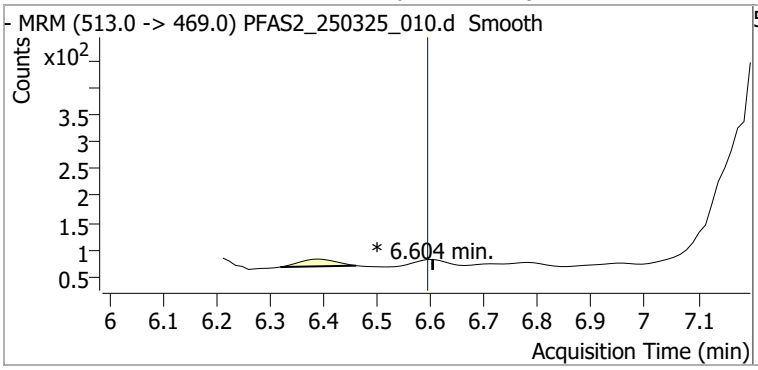
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2262	6.59	0.00	64225				

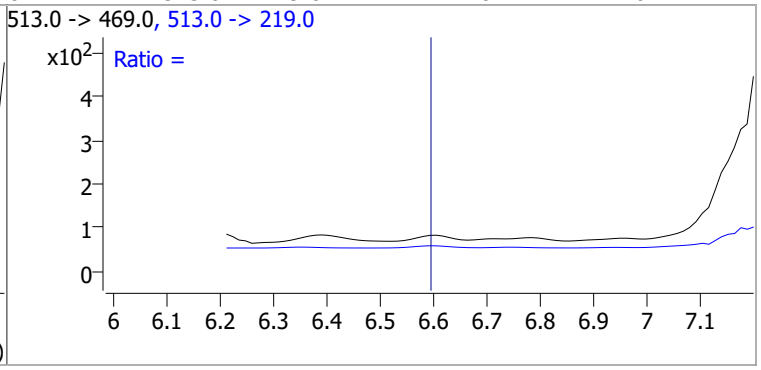


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	64365				

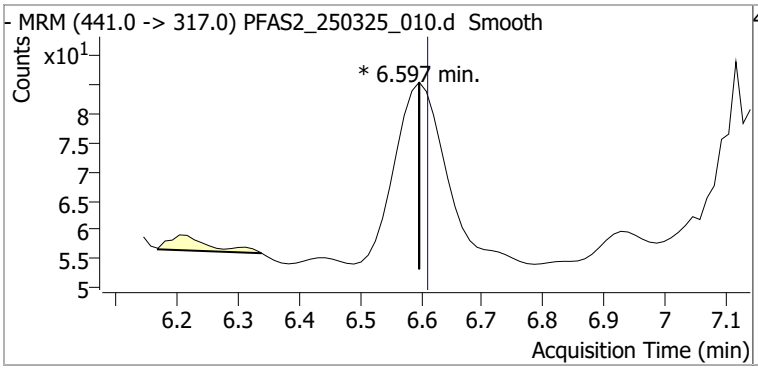


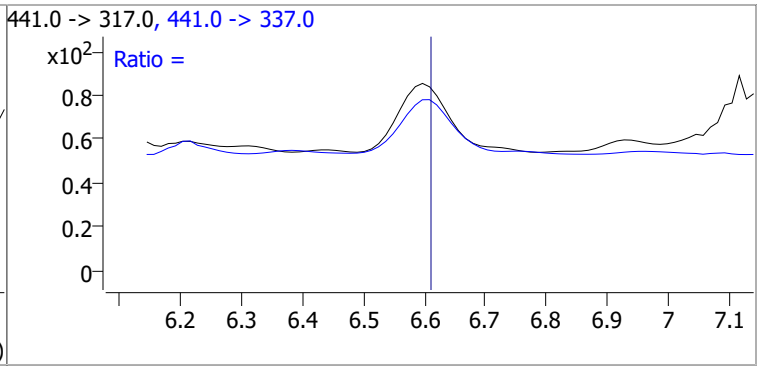
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



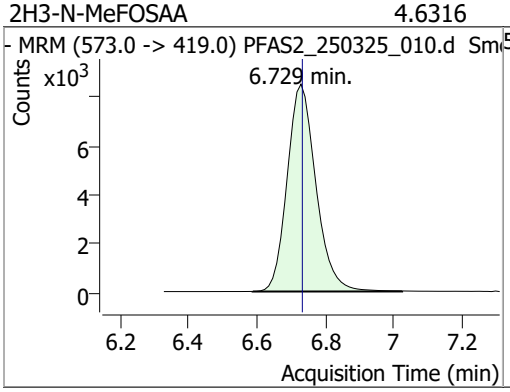


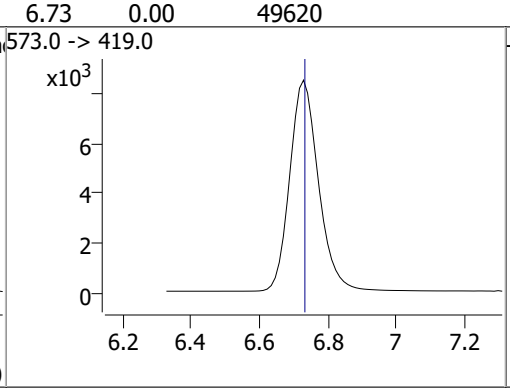
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

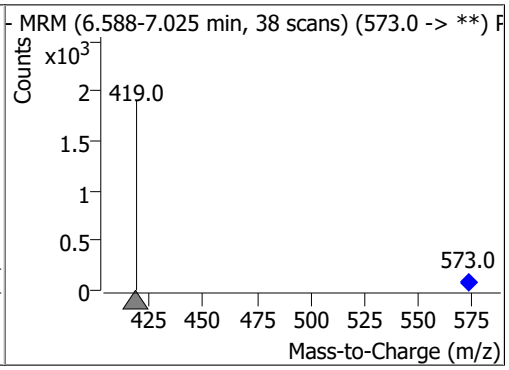




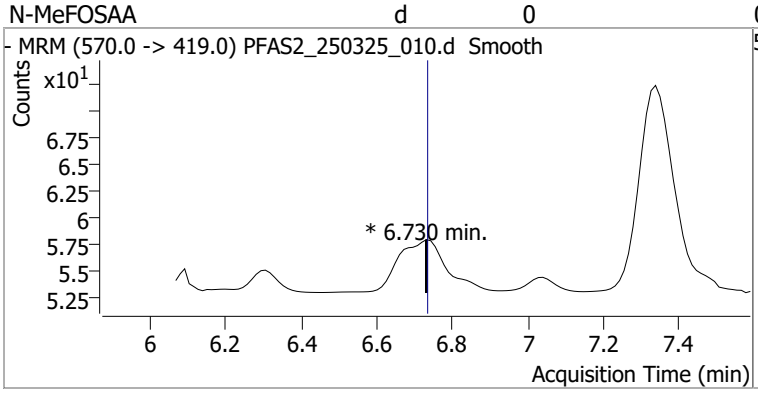
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6316	6.73	0.00	49620				

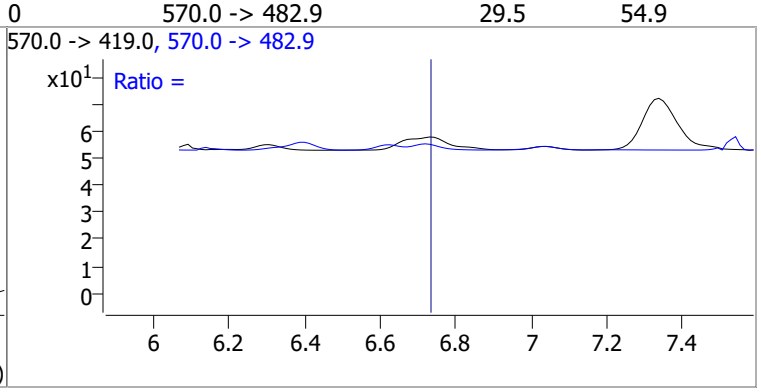




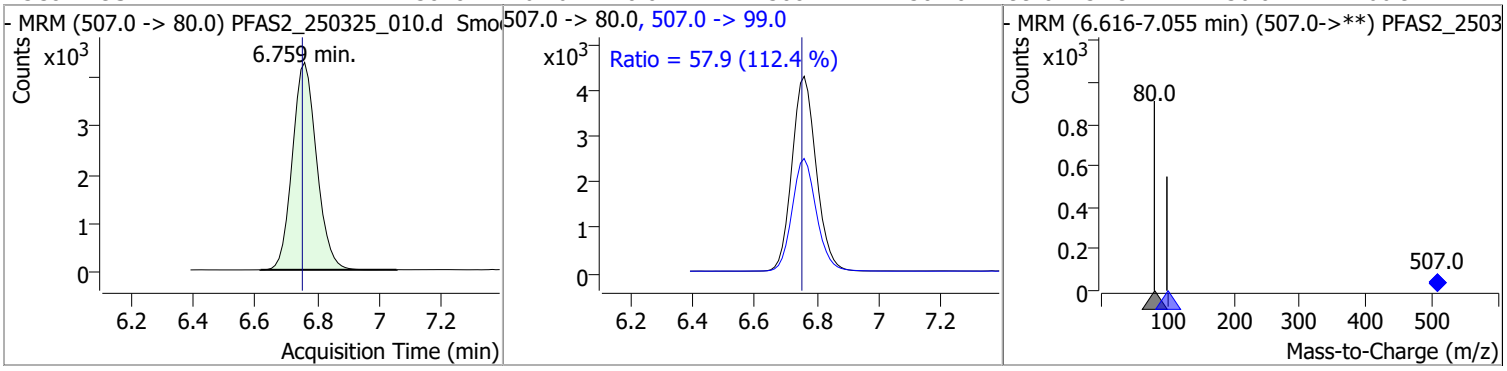


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

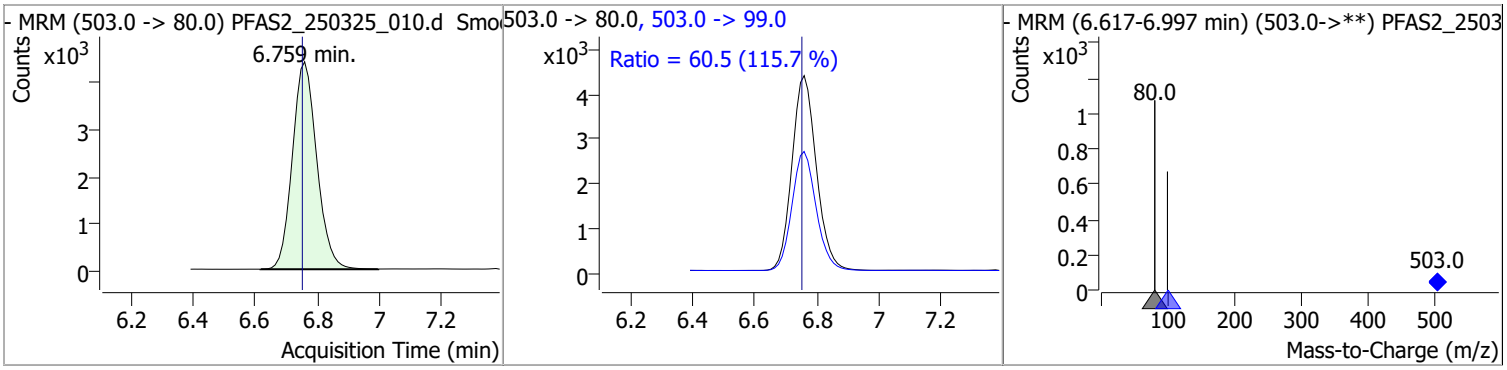




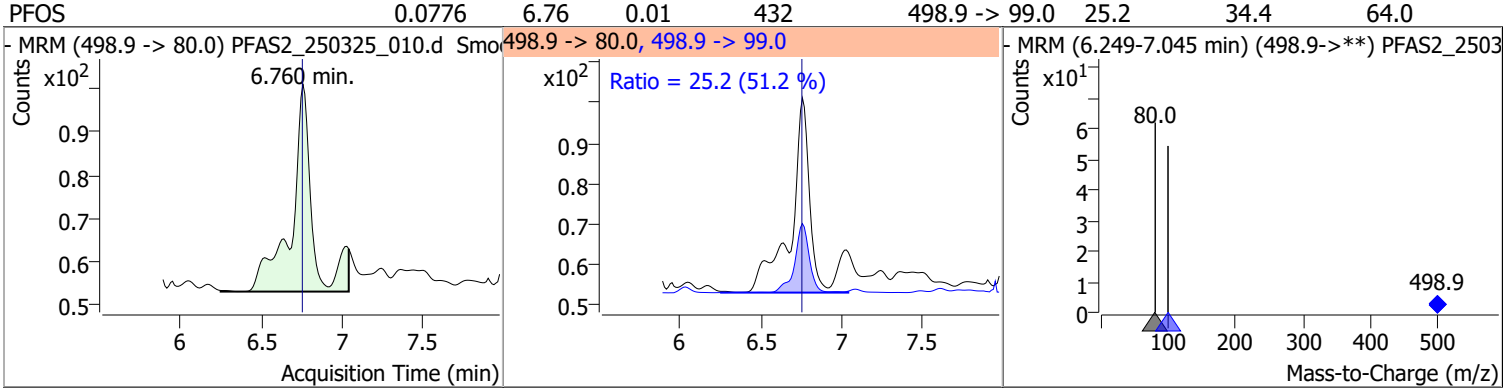
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3818	6.76	0.01	23081	507.0 -> 99.0	57.9	36.0	66.9



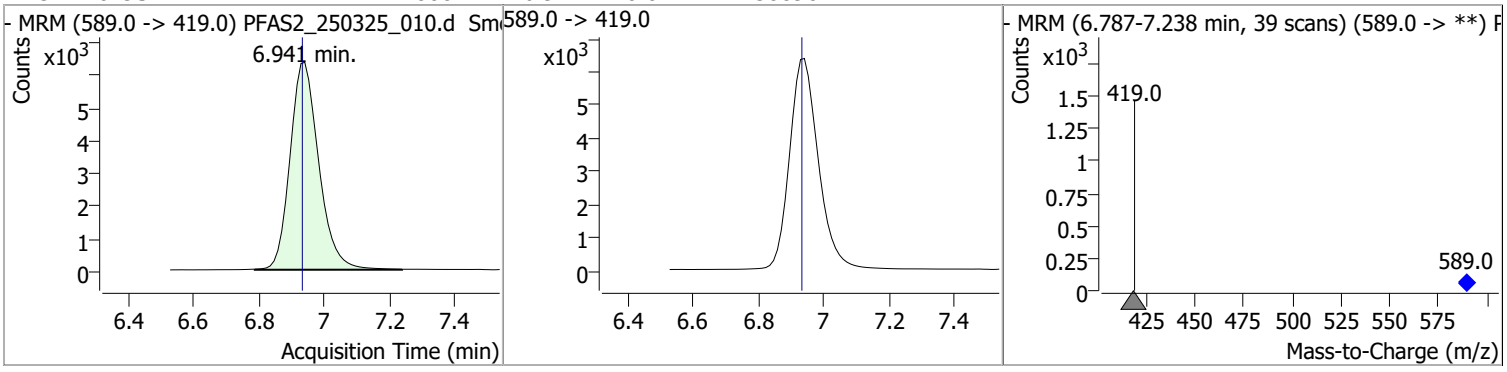
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23877	503.0 -> 99.0	60.5	36.6	67.9



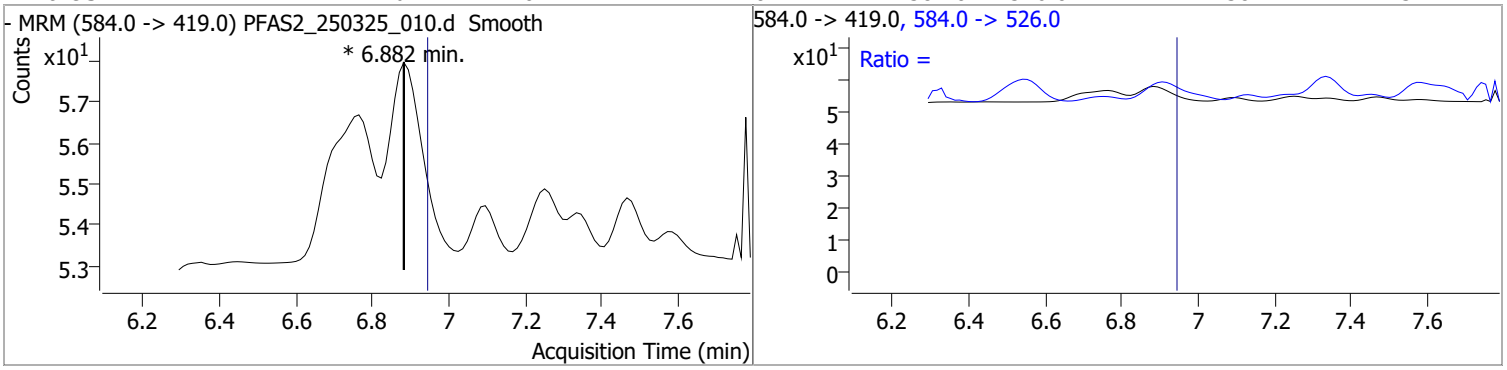
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0776	6.76	0.01	432	498.9 -> 99.0	25.2	34.4	64.0



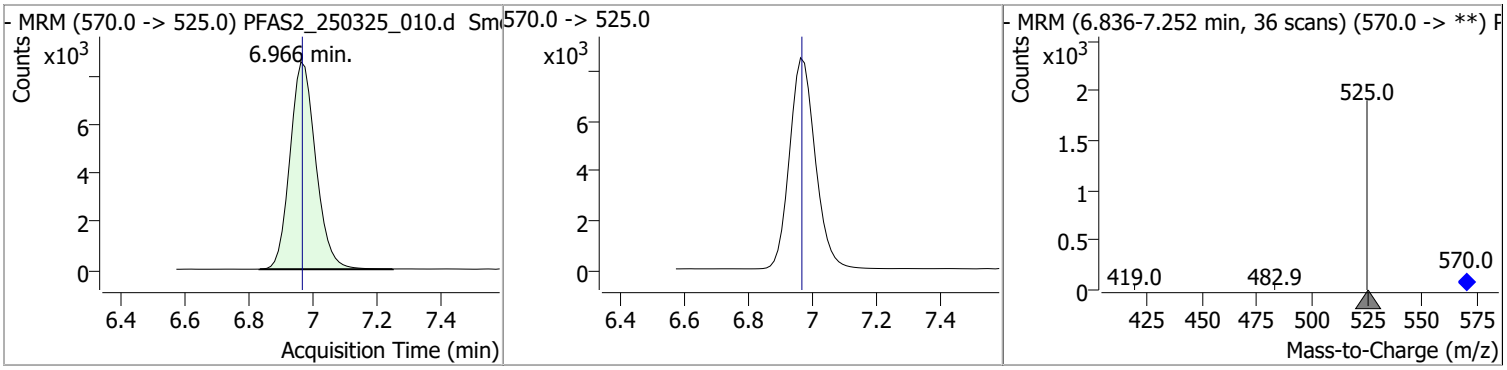
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8082	6.94	0.01	38890				



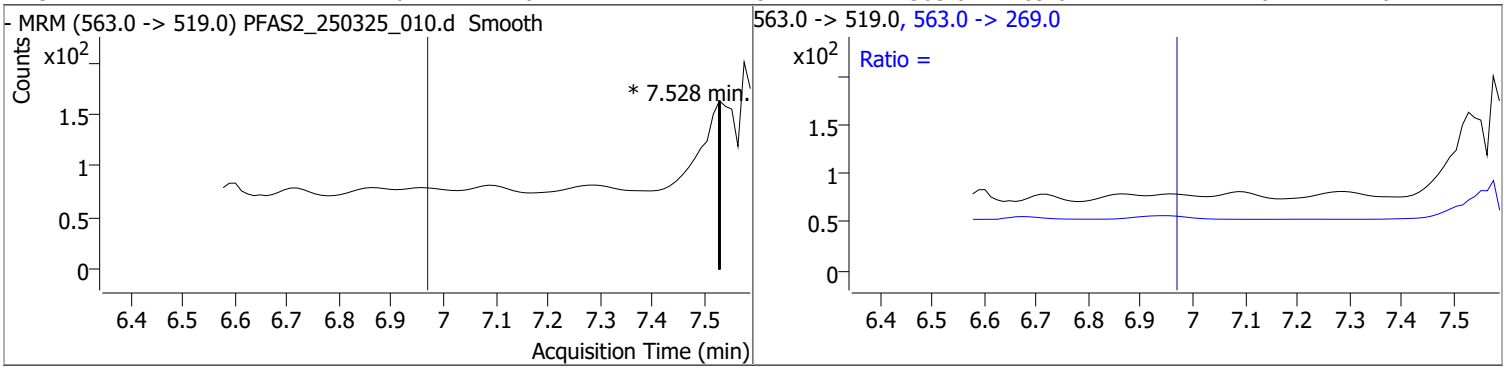
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



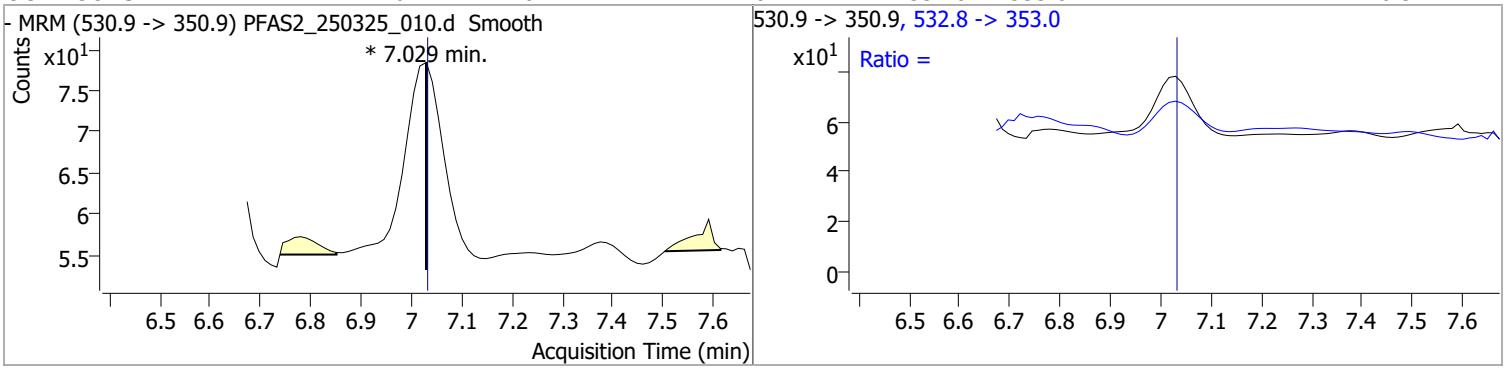
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1546	6.97	0.00	47660				



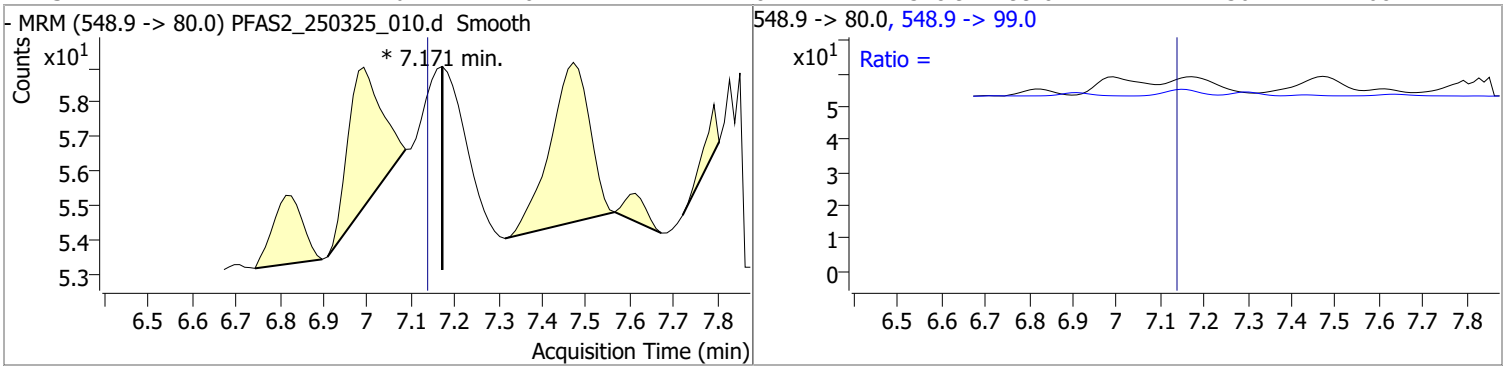
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



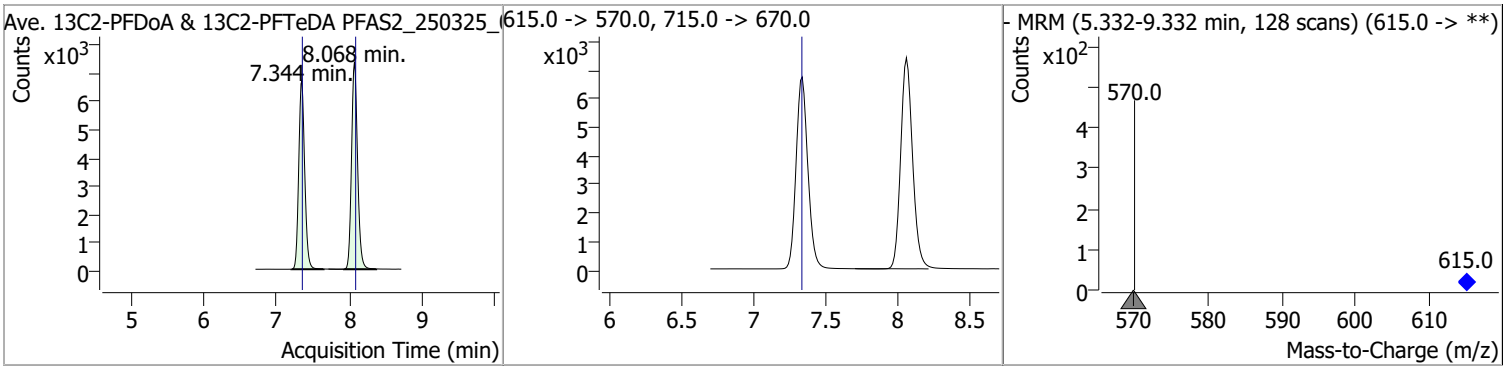
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



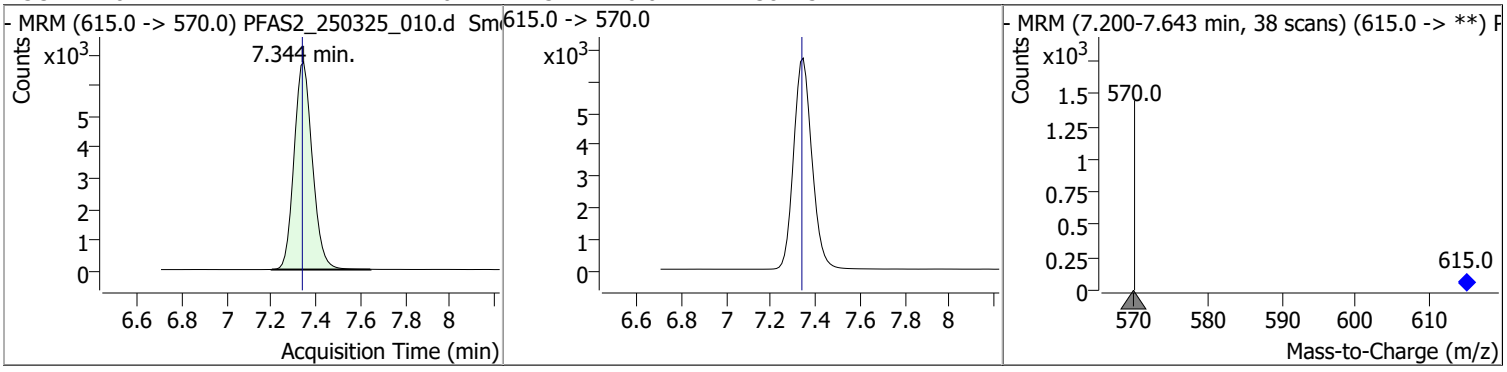
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



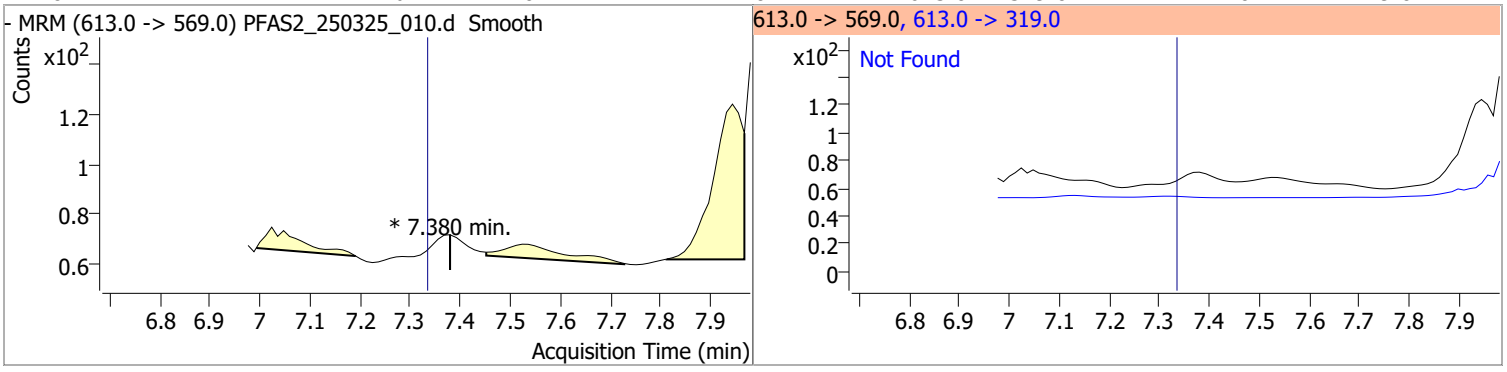
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1862	7.71	0.37	40356				



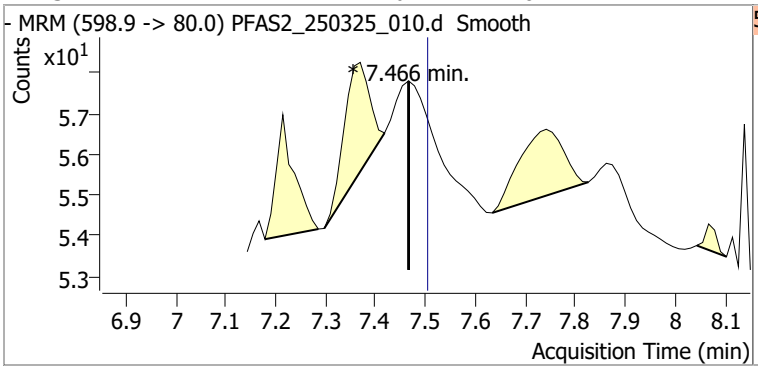
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2404	7.34	0.01	38145				

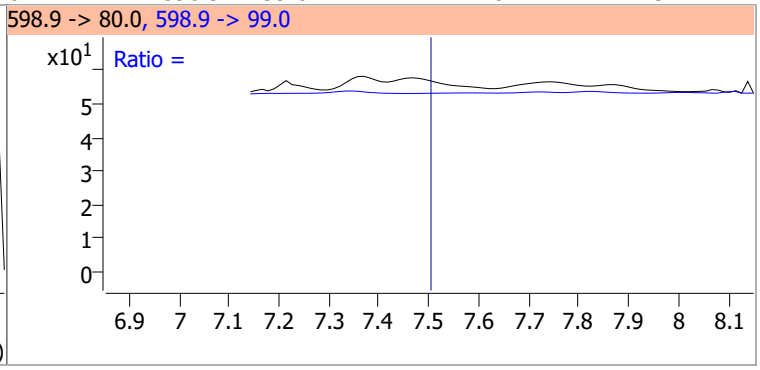


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

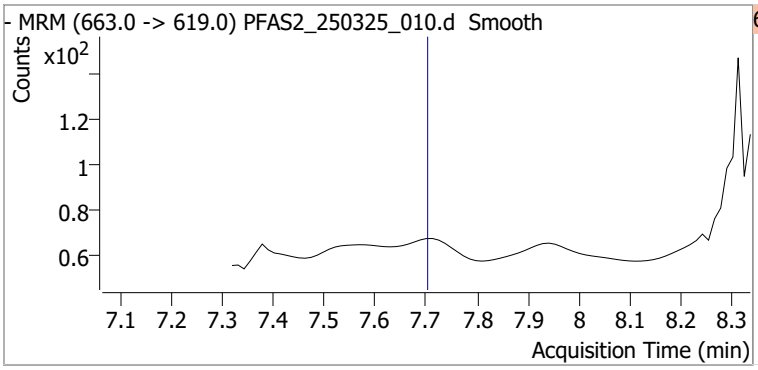


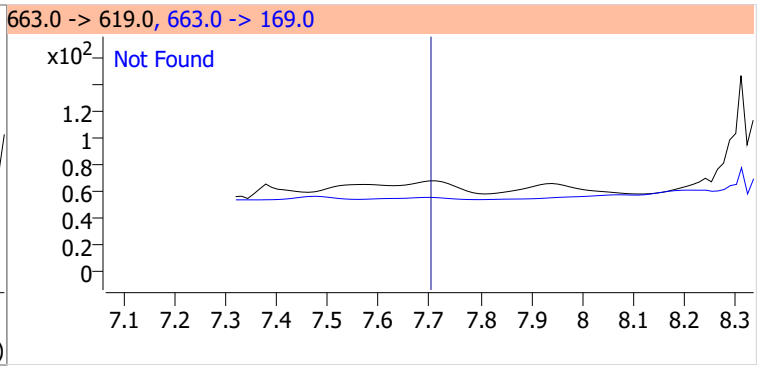
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



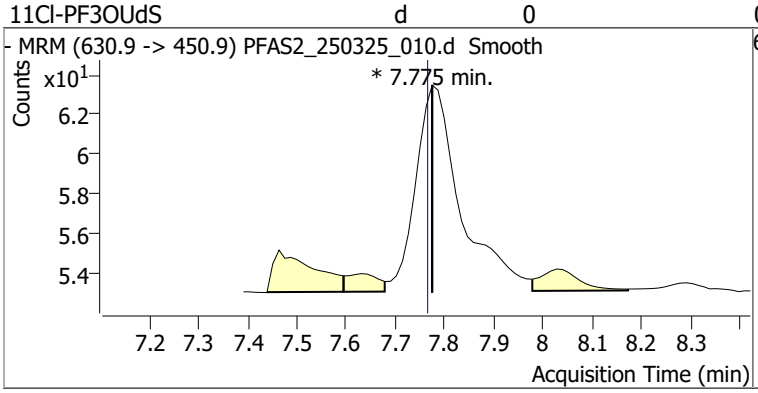


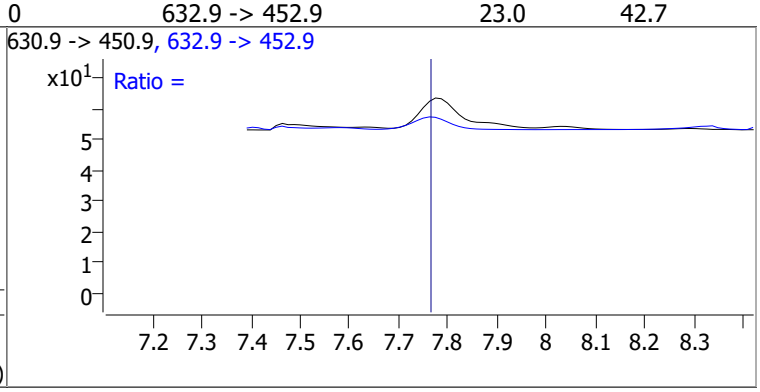
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.70	663.0 -> 169.0	10.3



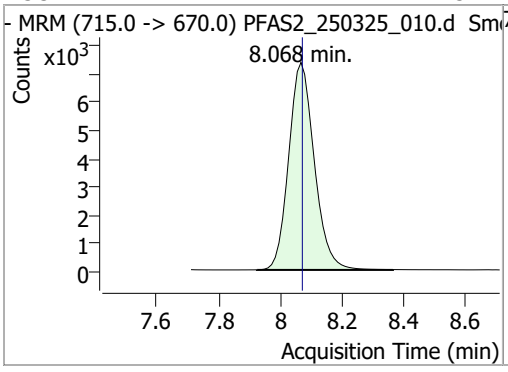


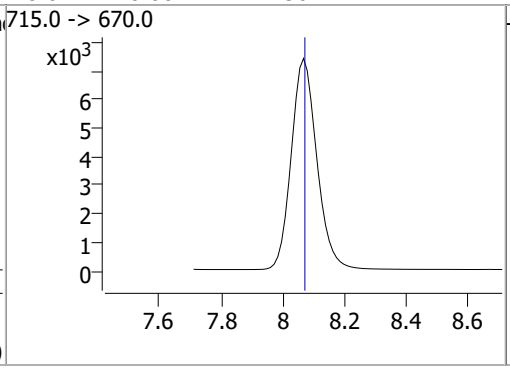
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

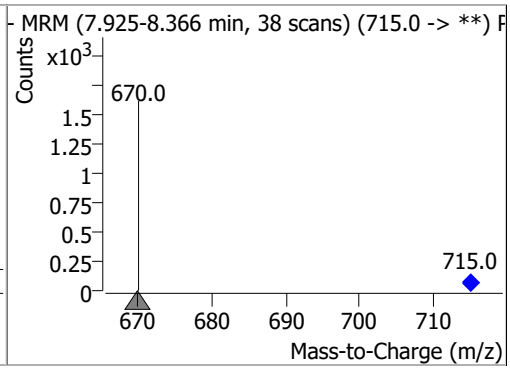




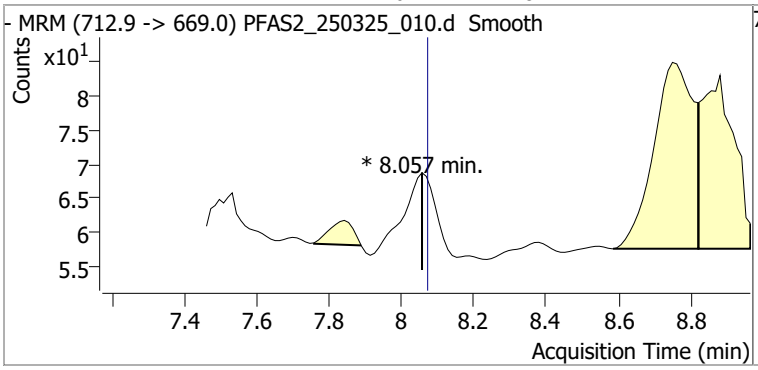
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1415	8.07	0.00	42567				

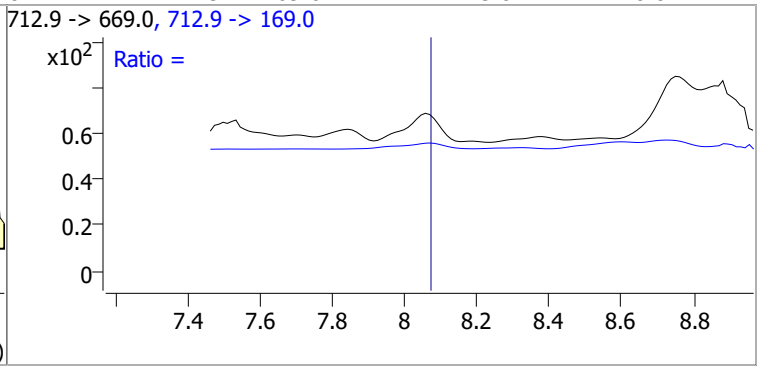




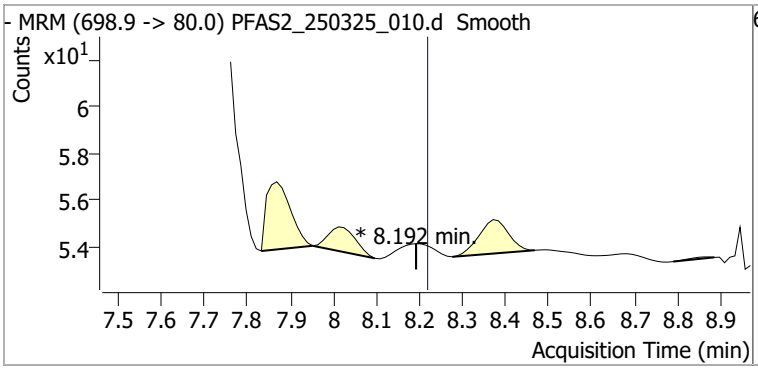


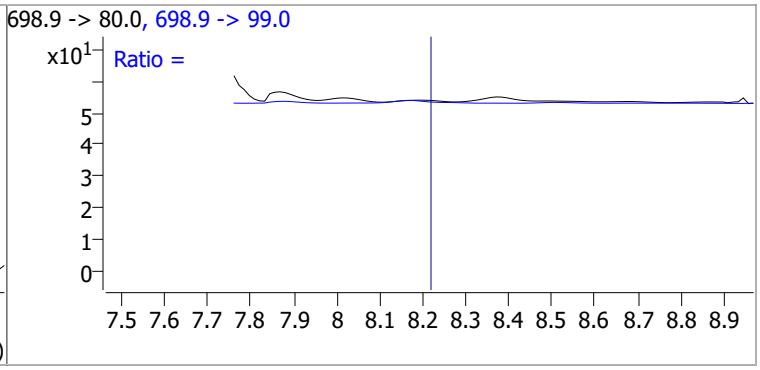
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



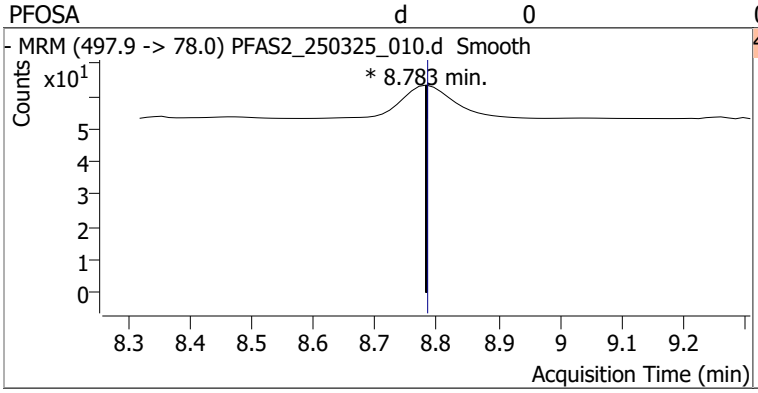


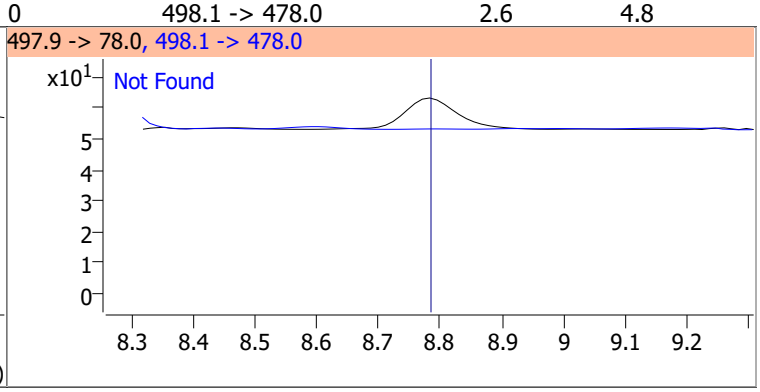
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



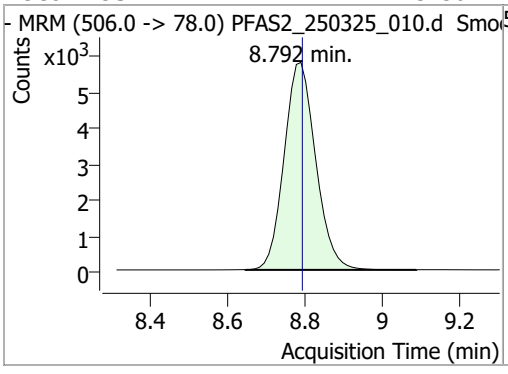


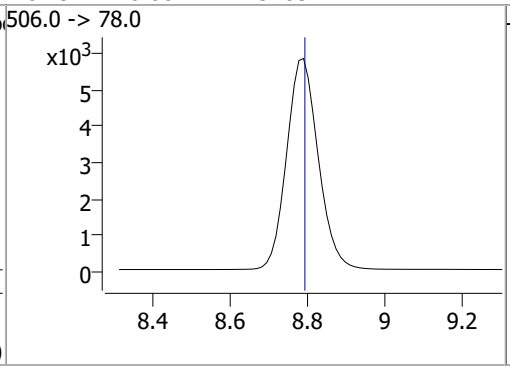
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

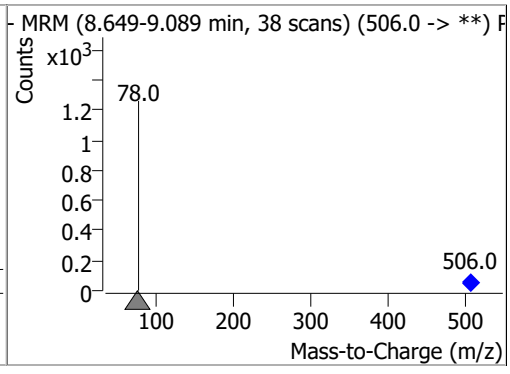




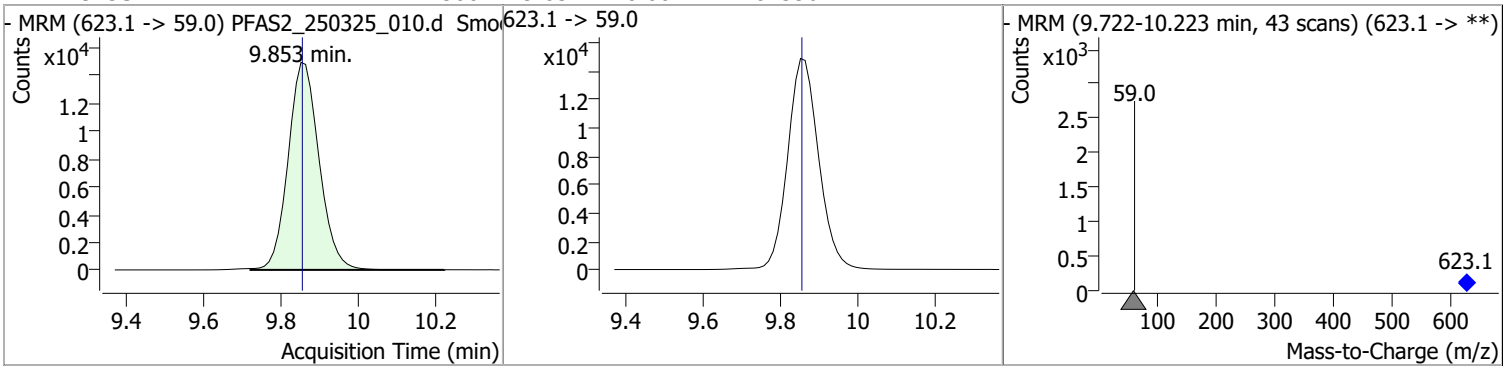
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3136	8.79	0.00	32854				



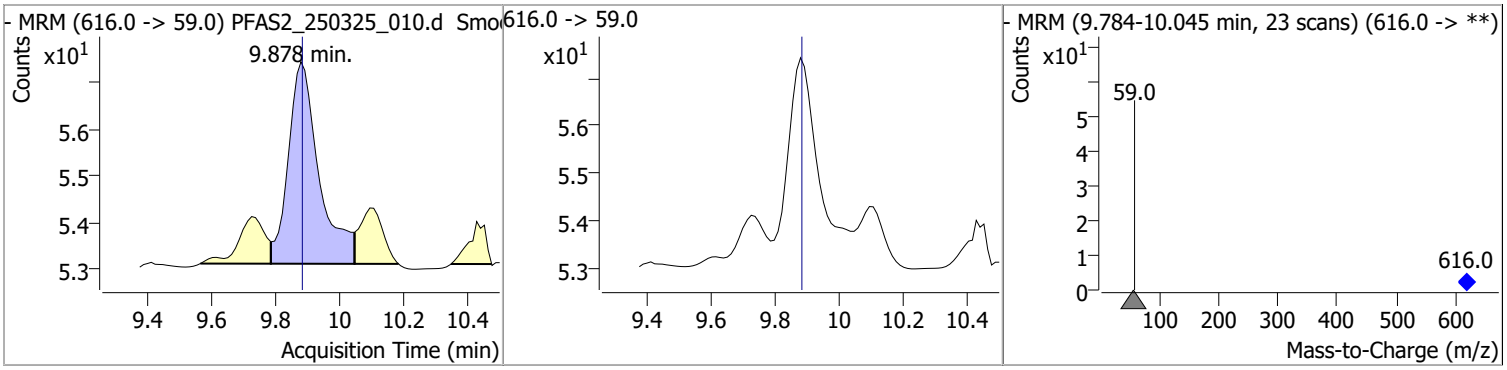




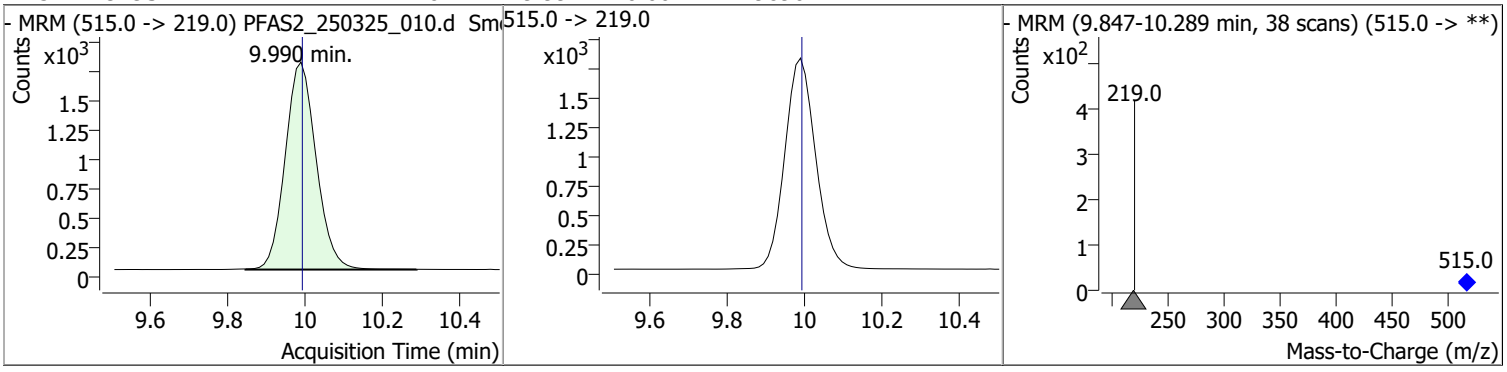
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	17.1500	9.85	0.00	82556				



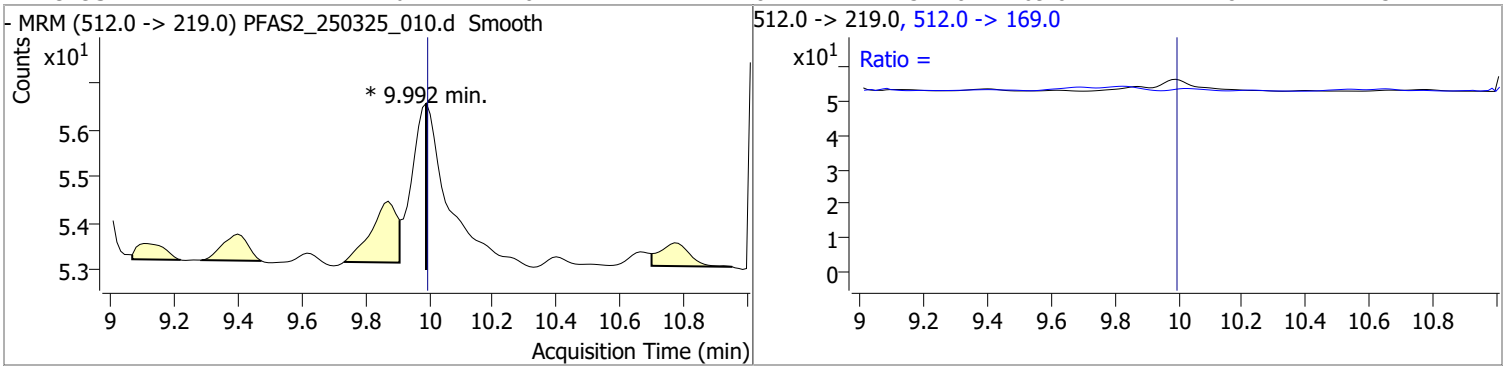
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	29				



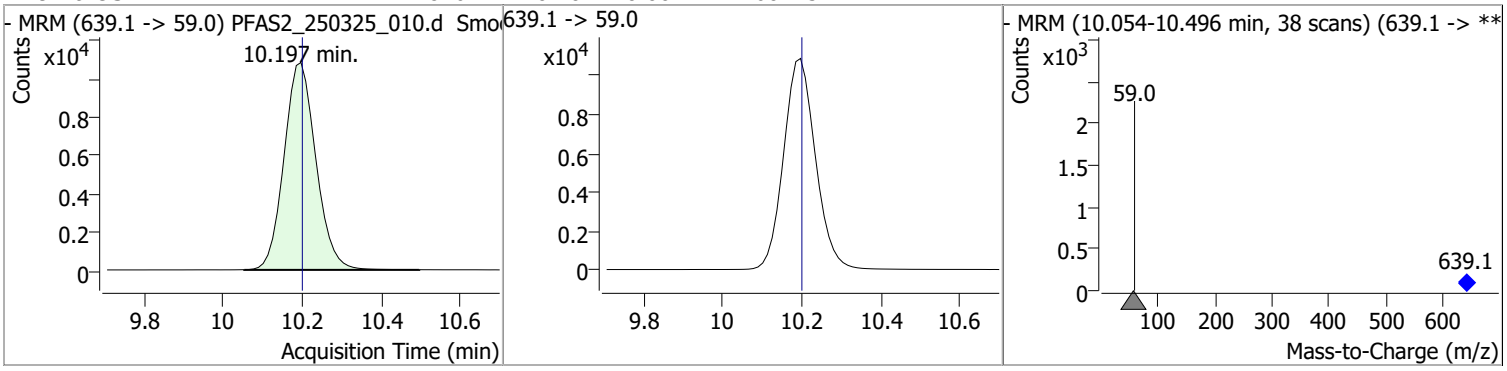
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4817	9.99	0.00	9890				



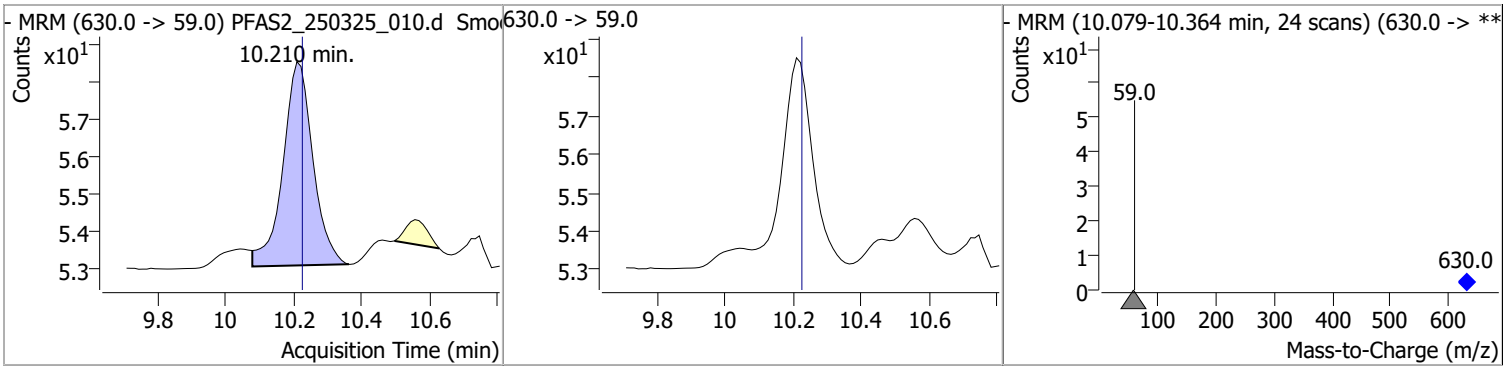
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



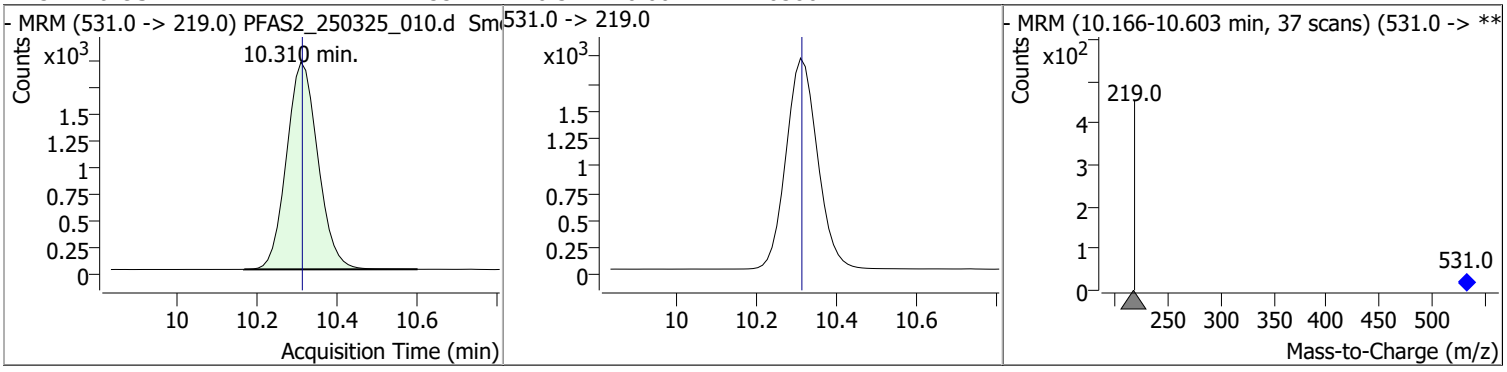
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.8261	10.20	0.00	60475				



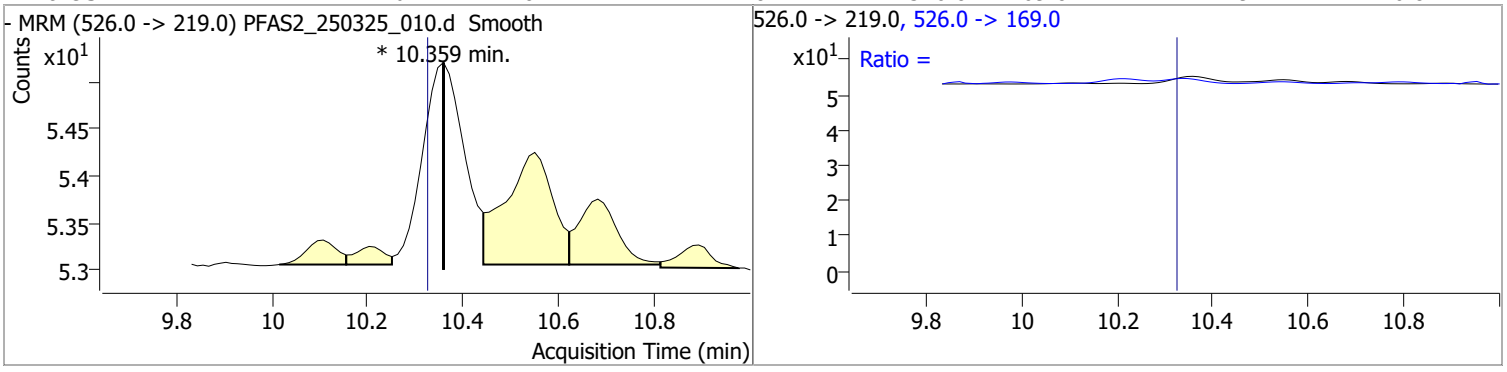
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0248	10.21	-0.01	33				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4551	10.31	0.00	10580				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_010.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:30:08 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

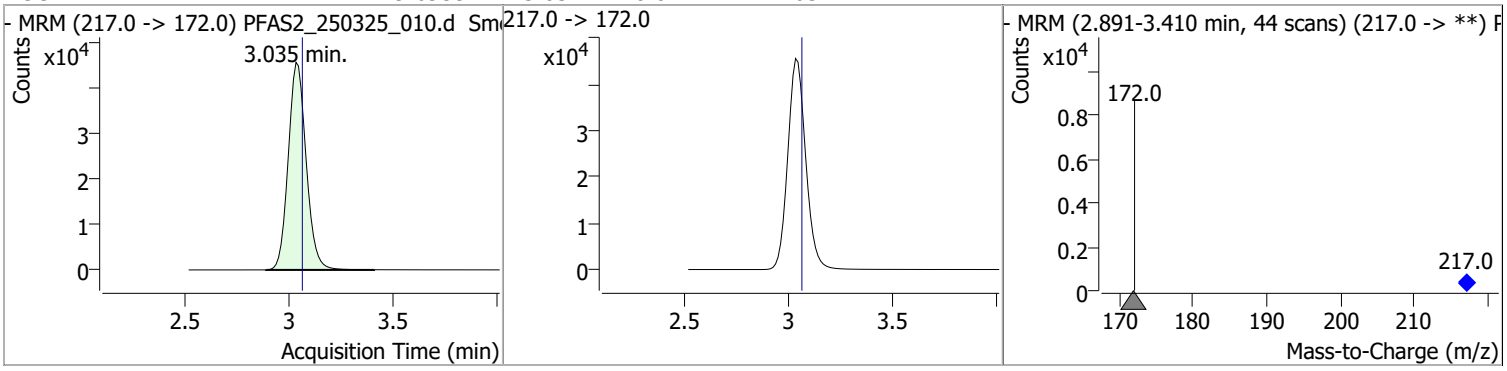
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	123740	5.0000	µg/L		-9.575
13C2-PFHxA	4.878	315.0 -> 270.0	138742	2.5000	µg/L		-9.570
18O2-PFHxS	5.943	403.0 -> 84.0	28630	2.5000	µg/L		-3.375
13C4-PFOA	5.810	417.0 -> 172.0	14540	2.5000	µg/L		-5.875
13C5-PFNA	6.214	468.0 -> 423.0	67933	1.2500	µg/L		-4.552
13C2-PFDA	6.592	515.0 -> 470.0	64365	1.2500	µg/L		-3.755
13C4-PFOS	6.759	503.0 -> 80.0	23877	2.5000	µg/L		-4.145
System Monitoring Compounds							
13C4-PFBA	3.035	217.0 -> 172.0	272634	10.0000	µg/L		-12.289
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.96%			
13C5-PFPeA	4.210	268.0 -> 223.0	184426	5.0000	µg/L		-10.870
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.57%			
13C5-PFPeA	4.210	268.0 -> 223.0	184426	5.0000	µg/L		-10.870
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.57%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	23147	5.0000	µg/L		-8.381
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.20%			
13C5-PFHxA	4.877	318.0 -> 273.0	142154	2.5000	µg/L		-15.808
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.08%			
13C5-PFHxA	4.877	318.0 -> 273.0	142154	2.5000	µg/L		-15.808
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.08%			
13C3-PFBS	4.917	302.0 -> 80.0	53931	2.5000	µg/L		-11.186
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.01%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	158066	10.0000	µg/L		-9.558
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.01%			
13C4-PFHpA	5.385	367.0 -> 322.0	167335	2.5000	µg/L		-11.410
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.00%			
13C3-PFHxS	5.944	402.0 -> 80.0	31796	2.5000	µg/L		-9.022
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.18%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	13223	5.0000	µg/L	#	-10.467
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.76%			
13C8-PFOA	5.809	421.0 -> 376.0	157528	2.5000	µg/L		-8.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.90%			
13C3-PFHxS	5.944	402.0 -> 80.0	31796	2.5000	µg/L		-9.022
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.18%			
13C9-PFNA	6.213	472.0 -> 427.0	65106	1.2500	µg/L		-7.604
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.76%			
13C8-PFOS	6.759	507.0 -> 80.0	23081	2.5000	µg/L		-8.713
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.27%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9434	5.0000	µg/L	#	-20.355
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.32%			
13C6-PFDA	6.591	519.0 -> 474.0	64225	1.2500	µg/L		-5.496
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.10%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	49620	5.0000	µg/L		-11.105
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.63%			
13C8-PFOS	6.759	507.0 -> 80.0	23081	2.5000	µg/L		-8.713

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.27%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	38890	5.0000	µg/L		-7.776
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.16%			
13C7-PFUnDA	6.966	570.0 -> 525.0	47660	1.2500	µg/L		-11.088
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 92.37%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	40356	1.2500	µg/L		-8.521
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 94.89%			
13C2-PFDoDA	7.344	615.0 -> 570.0	38145	1.2500	µg/L		-4.506
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.23%			
13C2-PFTDA	8.068	715.0 -> 670.0	42567	1.2500	µg/L		-11.842
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 91.32%			
13C8-PFOSA	8.792	506.0 -> 78.0	32854	2.5000	µg/L		-11.112
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.54%			
13C8-PFOSA	8.792	506.0 -> 78.0	32854	2.5000	µg/L		-11.112
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.54%			
2H7-MeFOSE	9.853	623.1 -> 59.0	82556	25.0000	µg/L		-34.294
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 68.60%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	9890	2.5000	µg/L		-4.621
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.27%			
2H9-EtFOSE	10.197	639.1 -> 59.0	60475	25.0000	µg/L		-4.778
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 99.30%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10580	2.5000	µg/L		-5.877
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.20%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	56	0.0582	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	15	0.0000	µg/L		21
PFPeA	4.211	263.0 -> 219.0	1078	0.0562	µg/L	#	99
PFMBA	4.441	279.0 -> 85.0	65	0.0362	µg/L		100
4-2 FTSA	4.698	327.0 -> 307.0	92	0.0066	µg/L		41
NFDHA	4.811	295.0 -> 201.0	6	0.0062	µg/L		48
PFHxA	4.892	313.0 -> 269.0	225	0.0044	µg/L		89
PFBS	4.918	298.9 -> 80.0	38	0.0017	µg/L	#	58
HFPO-DA	5.075	285.0 -> 169.0	113	0.0080	µg/L		33
PFEESA	5.189	314.9 -> 135.0	104	0.0530	µg/L		80
PFHpA	5.386	363.0 -> 319.0	399	0.0275	µg/L	#	80
5-3 FTCA	5.458	341.0 -> 237.0	170	0.2199	µg/L	#	71
PFPeS	5.482	348.9 -> 80.0	21	0.0012	µg/L	#	1
DONA	5.527	377.0 -> 251.0	304	0.0707	µg/L	#	70
6-2 FTSA	5.619	427.0 -> 407.0	75	0.1180	µg/L		89
PFOA	5.810	413.0 -> 369.0	668	0.0470	µg/L		99
PFHxS	5.945	398.9 -> 80.0	174	0.0140	µg/L		90
PFNA	6.761	463.0 -> 419.0	766	0.0218	µg/L		98
PFHpS	6.596	448.9 -> 80.0	8	0.0009	µg/L	#	1
8-2 FTSA	6.436	527.0 -> 507.0	9	0.0744	µg/L		47
PFDA	6.604	513.0 -> 469.0	41	0.0000	µg/L	#	1
7-3 FTCA	6.597	441.0 -> 317.0	173	0.3023	µg/L	#	65
N-MeFOSAA	6.730	570.0 -> 419.0	47	0.0135	µg/L	#	78
PFOS	6.760	498.9 -> 80.0	432	0.0776	µg/L	#	65
N-EtFOSAA	6.882	584.0 -> 419.0	65	0.0200	µg/L	#	34
PFUnDA	7.528	563.0 -> 519.0	339	0.0228	µg/L	#	34
9Cl-PF3ONS	7.029	530.9 -> 350.9	122	0.0674	µg/L	#	74
PFNS	7.171	548.9 -> 80.0	19	0.0024	µg/L		85
PFDoDA	7.380	613.0 -> 569.0	30	0.0011	µg/L		65

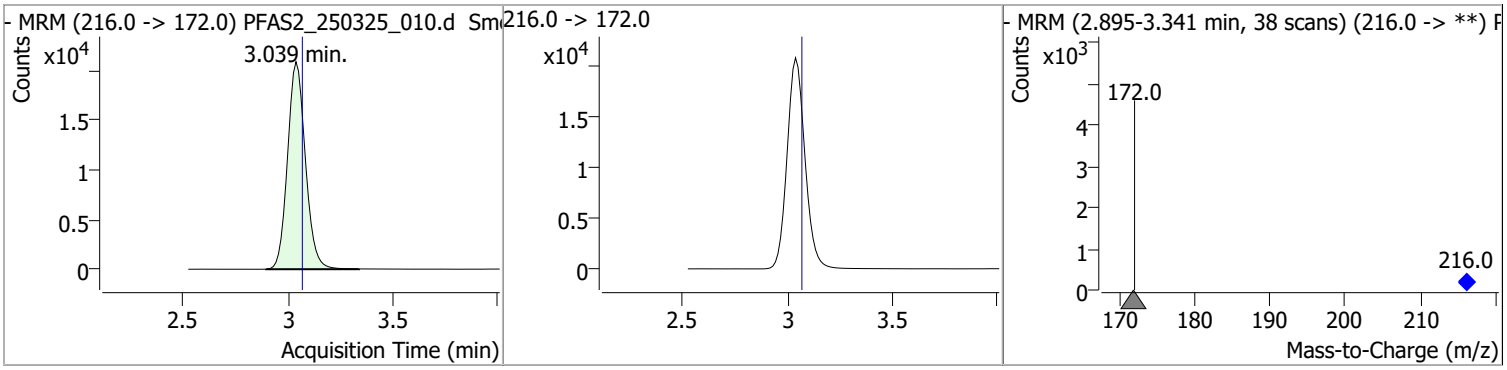
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	8	0.0014	µg/L		22
PFTrDA	0.000		0	N.D.			
11Cl-PF3OUdS	7.775	630.9 -> 450.9	66	0.0031	µg/L		89
PFTDA	8.057	712.9 -> 669.0	58	0.0079	µg/L	#	15
PFDoS	8.192	698.9 -> 80.0	4	0.0010	µg/L		89
PFOSA	8.783	497.9 -> 78.0	59	0.0052	µg/L		89
MeFOSE	9.878	616.0 -> 59.0	29	0.0000	µg/L		100
N-MeFOSA	9.992	512.0 -> 219.0	26	0.0071	µg/L	#	4
EtFOSE	10.210	630.0 -> 59.0	33	0.0248	µg/L		100
N-EtFOSA	10.359	526.0 -> 219.0	13	0.0032	µg/L	#	44

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

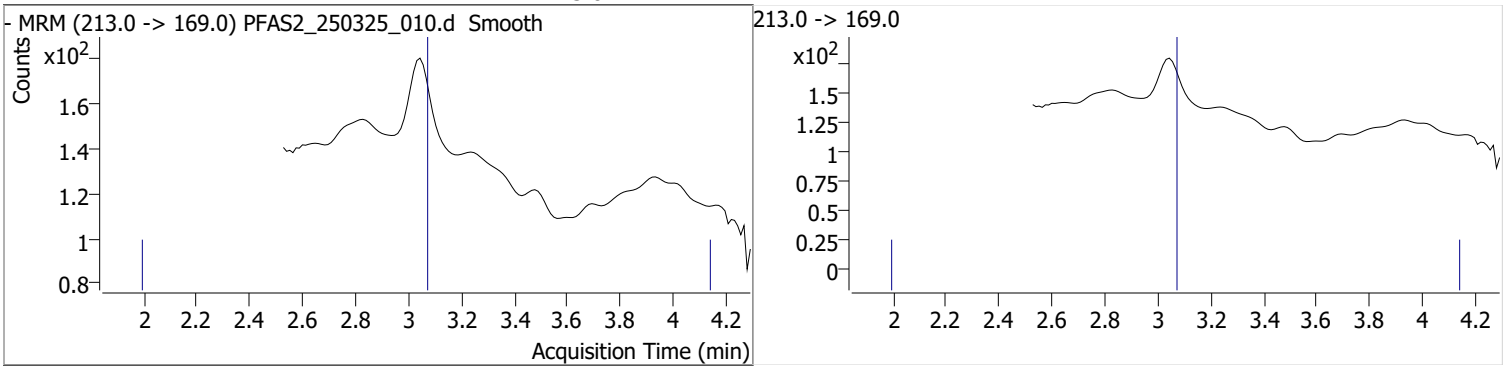
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6955	3.03	-0.02	272634				



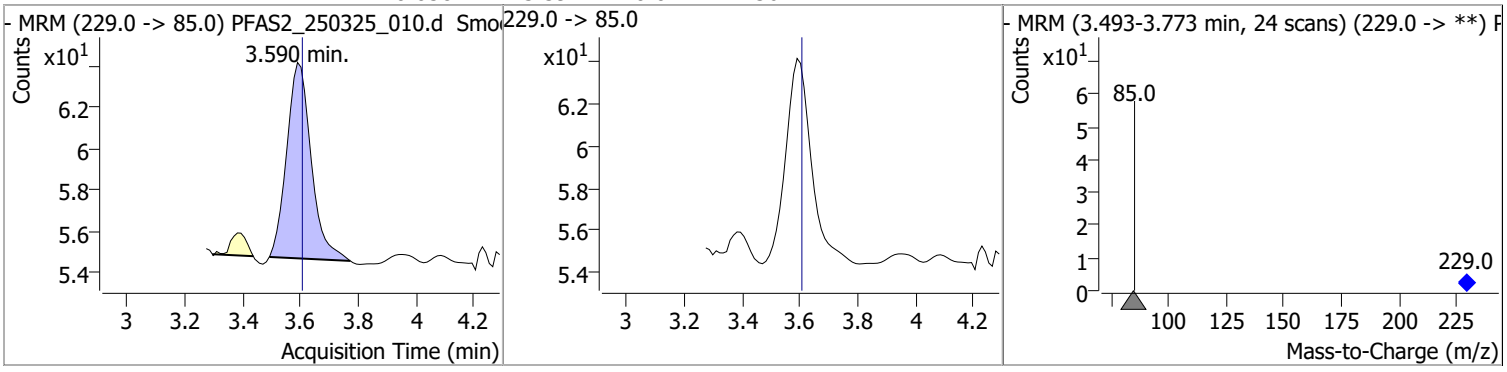
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.04	-0.02	123740				



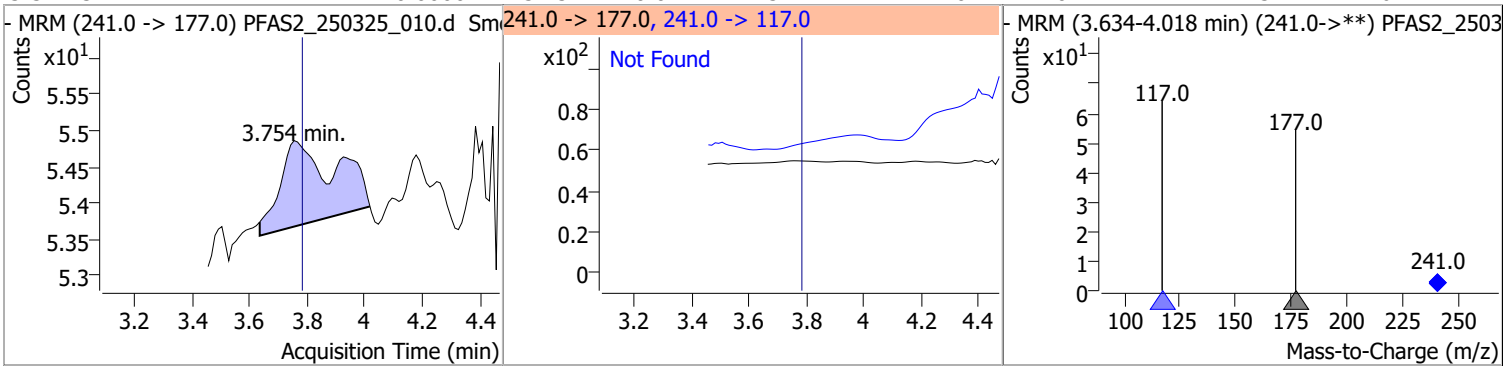
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		



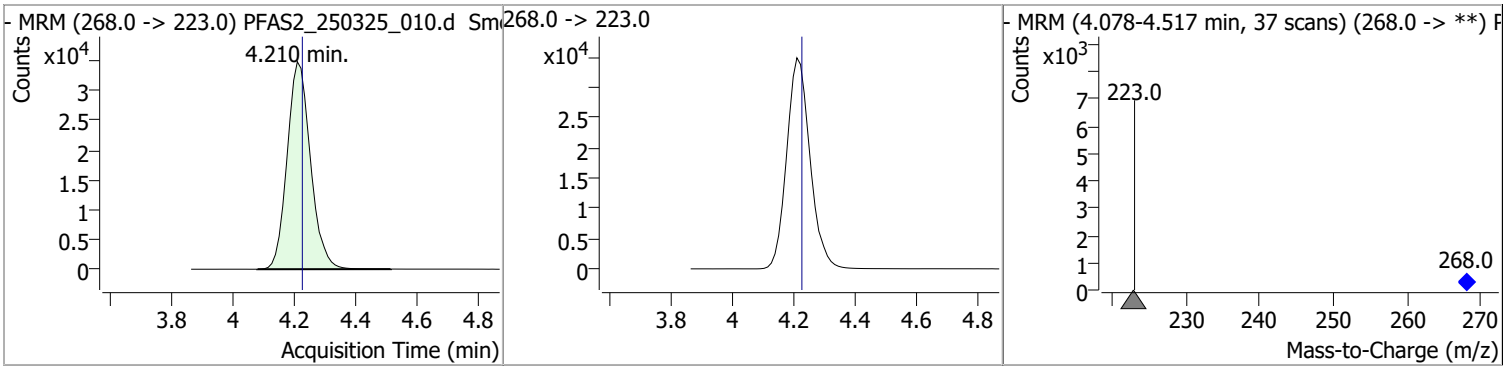
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0582	3.59	-0.01	56				



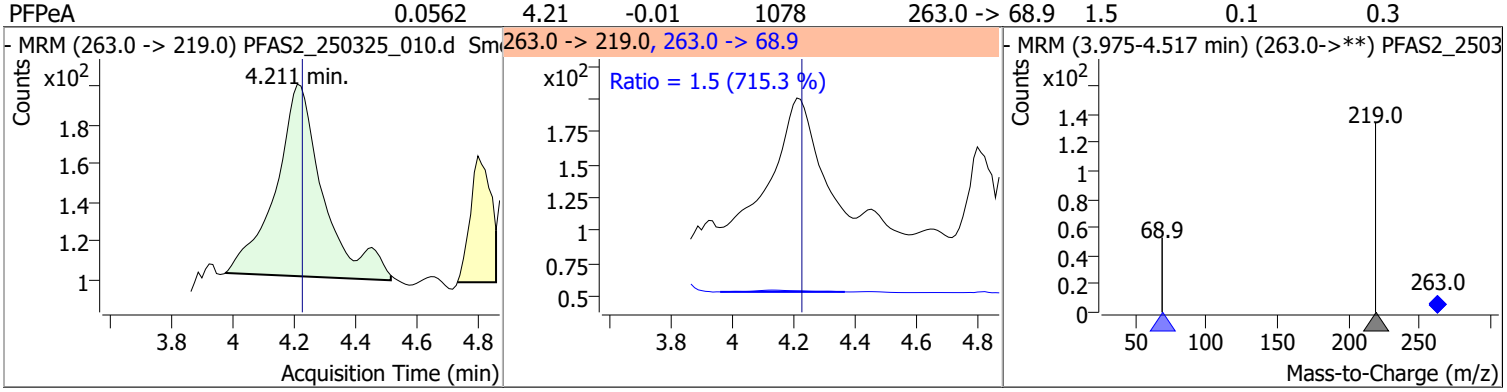
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.75	-0.02	15	241.0 -> 117.0		41.3	76.7



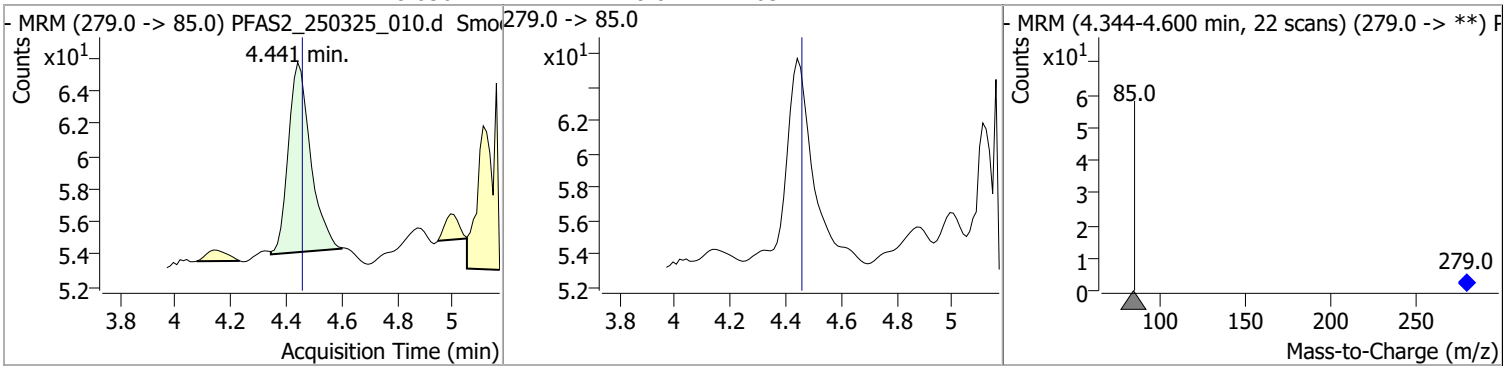
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9284	4.21	-0.01	184426				



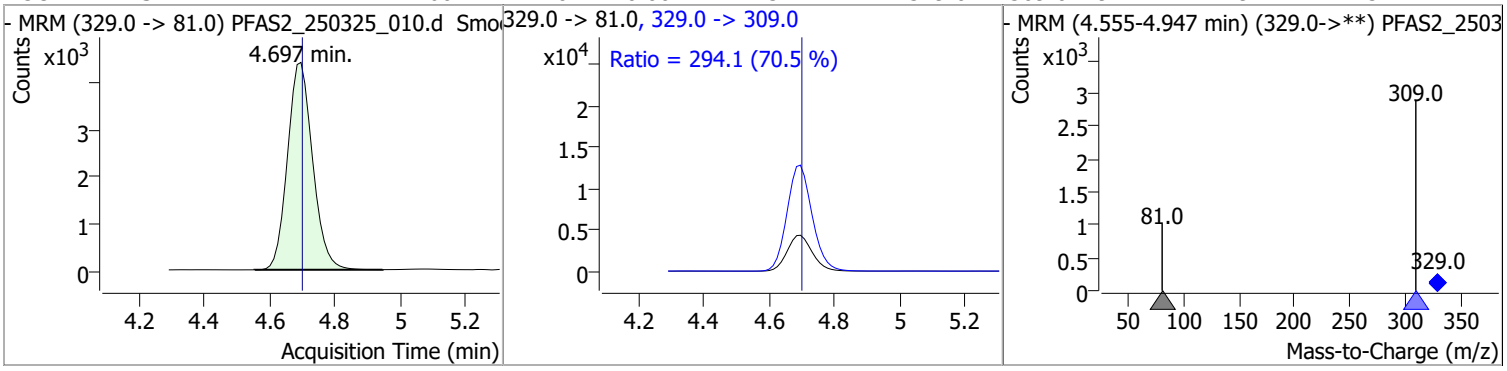
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0562	4.21	-0.01	1078	263.0 -> 68.9	1.5	0.1	0.3



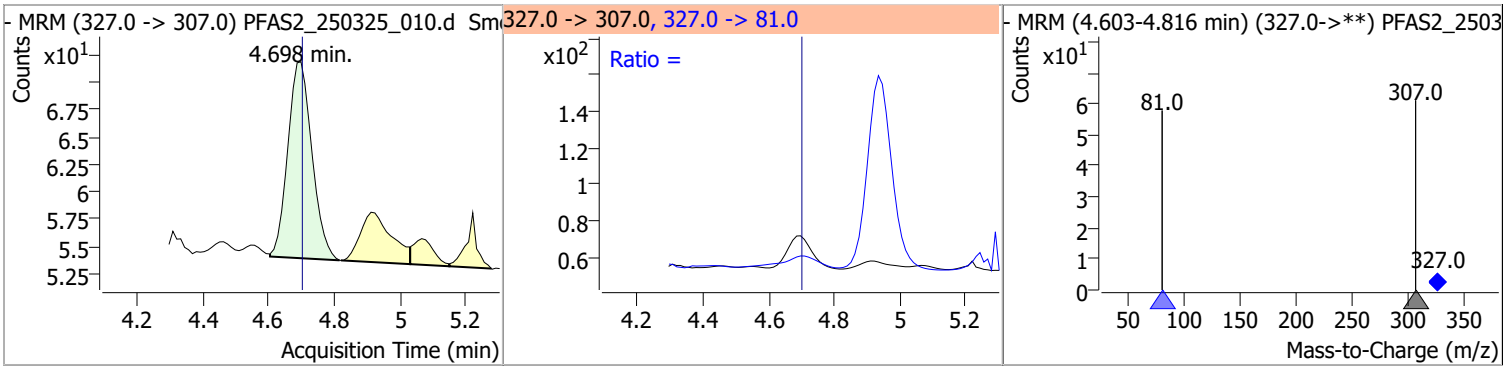
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0362	4.44	-0.01	65				



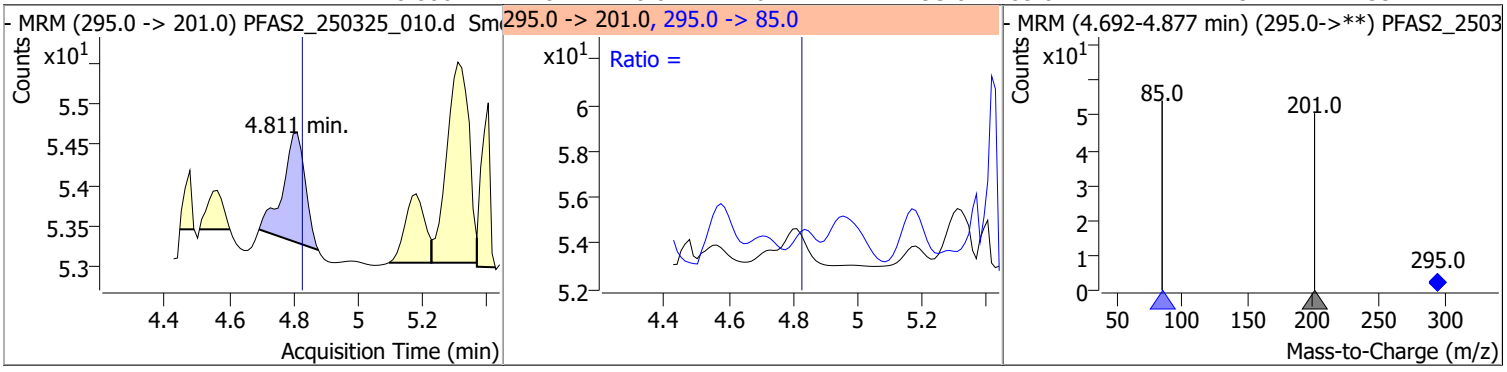
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.7601	4.70	0.00	23147	329.0 -> 309.0	294.1	292.1	542.4



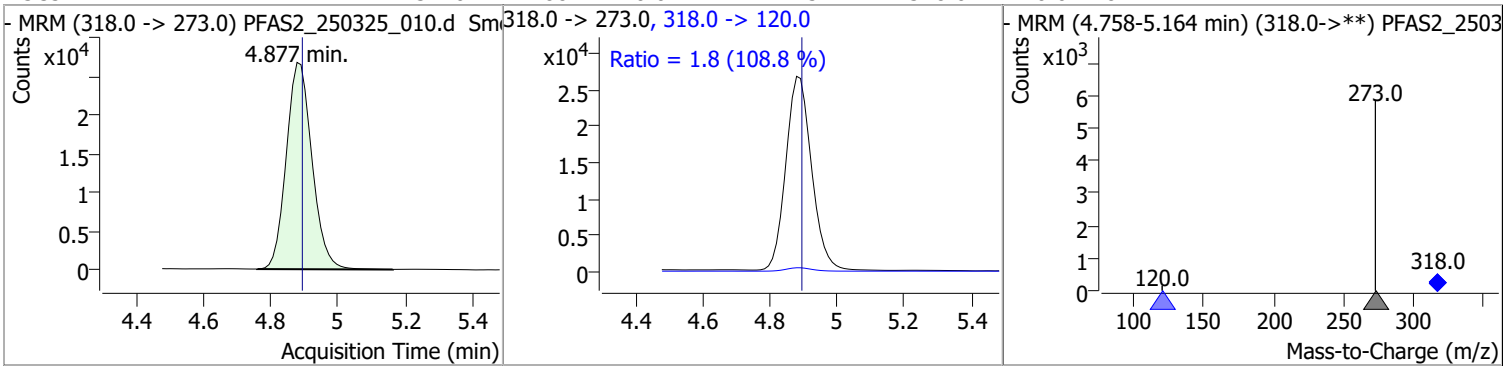
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0066	4.70	0.00	92	327.0 -> 81.0		23.6	43.9



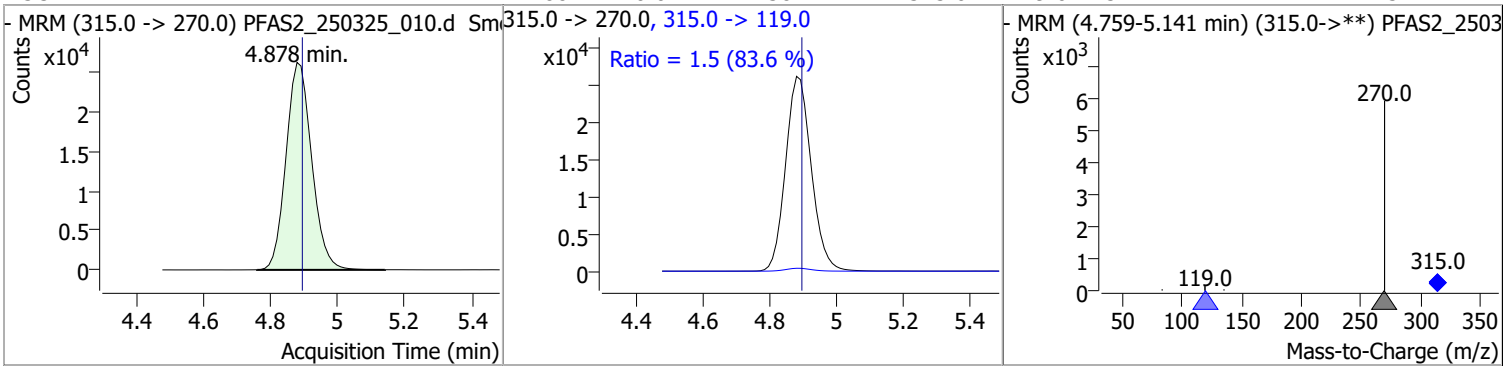
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0062	4.81	-0.01	6	295.0 -> 85.0		19.1	35.4



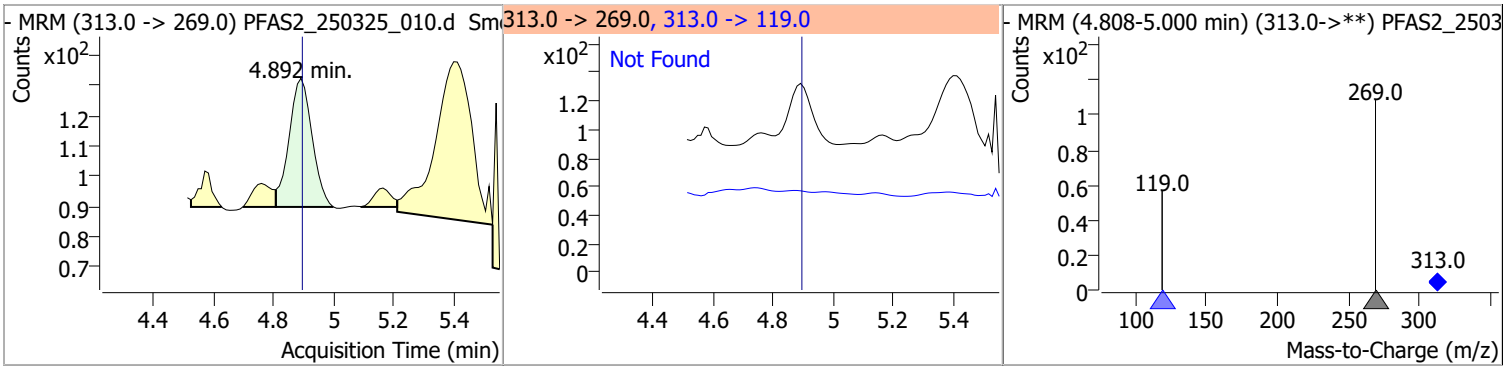
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3270	4.88	-0.01	142154	318.0 -> 120.0	1.8	1.1	2.1



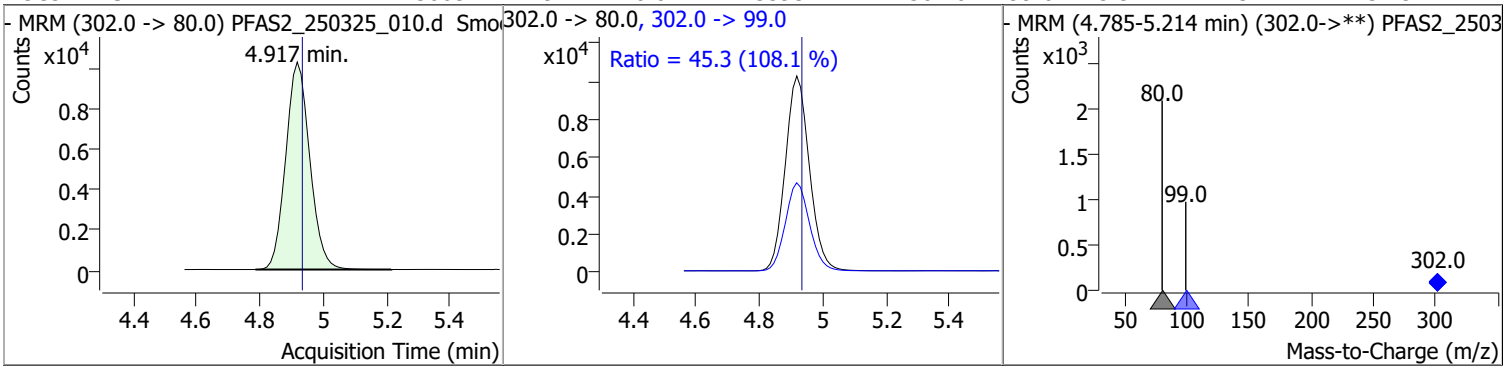
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	138742	315.0 -> 119.0	1.5	1.2	2.3



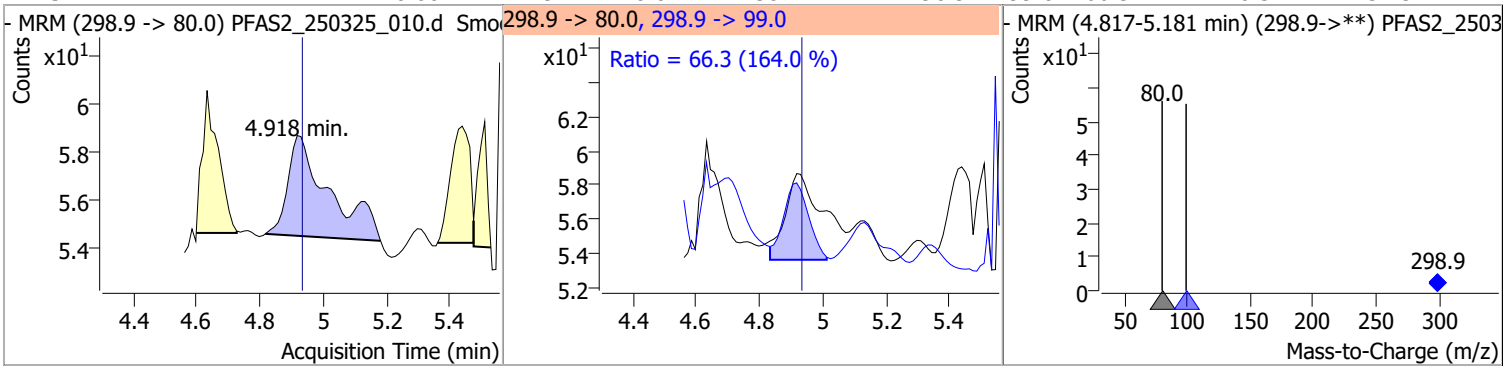
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0044	4.89	0.00	225	313.0 -> 119.0		2.4	4.5



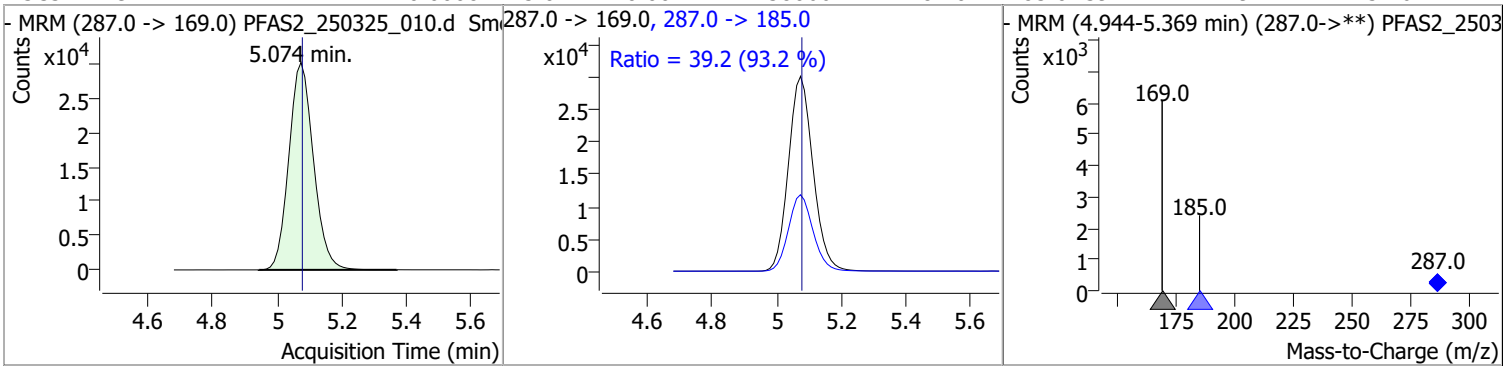
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3003	4.92	-0.01	53931	302.0 -> 99.0	45.3	29.4	54.5



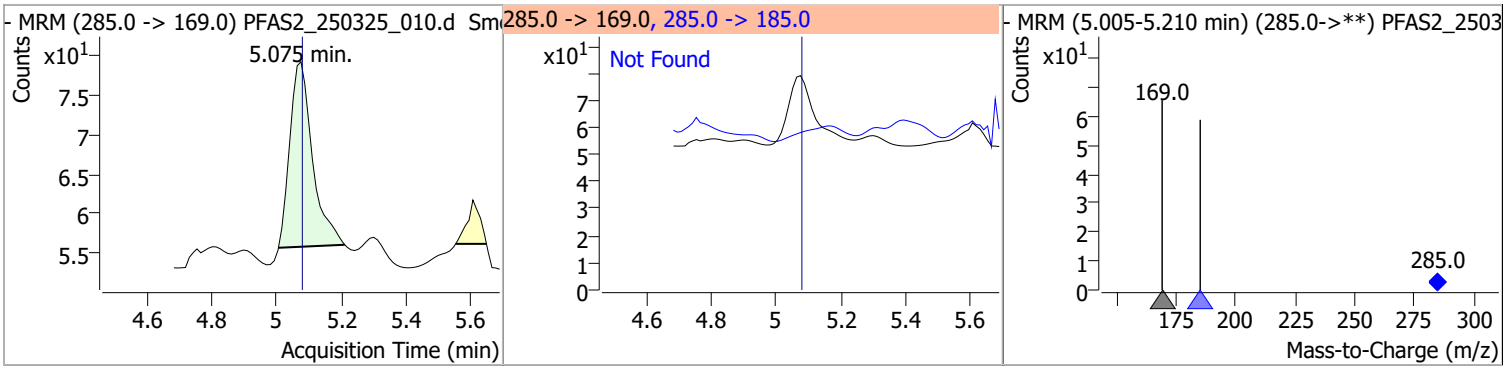
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0017	4.92	-0.01	38	298.9 -> 99.0	66.3	28.3	52.5



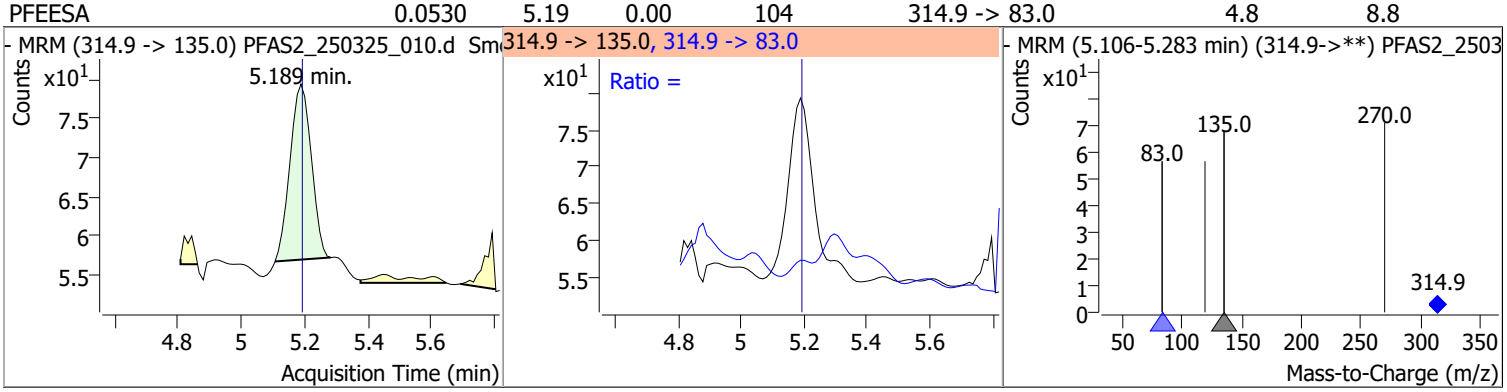
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0008	5.07	0.00	158066	287.0 -> 185.0	39.2	29.4	54.6



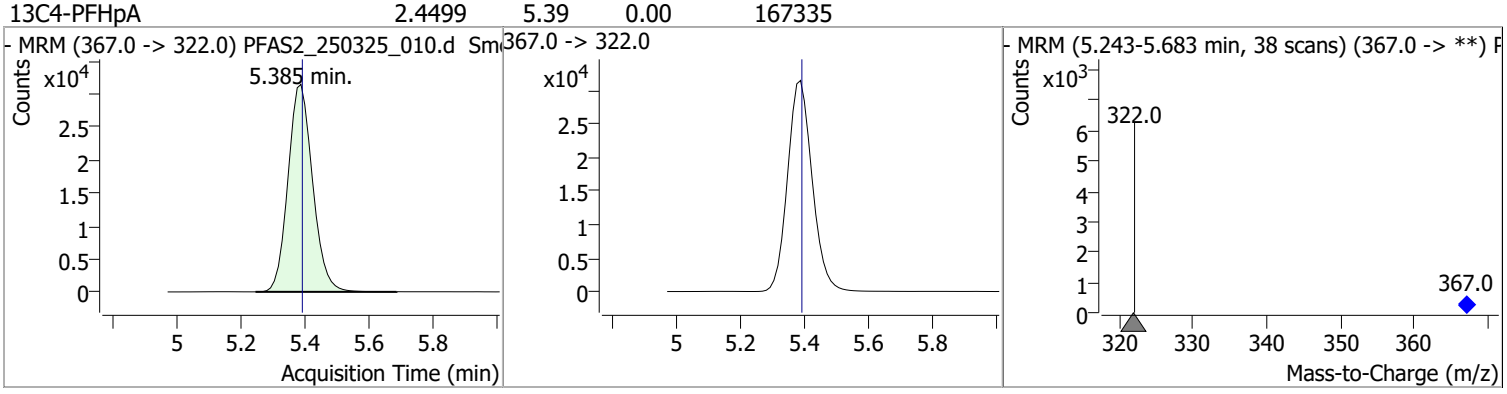
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0080	5.07	0.00	113	285.0 -> 185.0		30.1	56.0



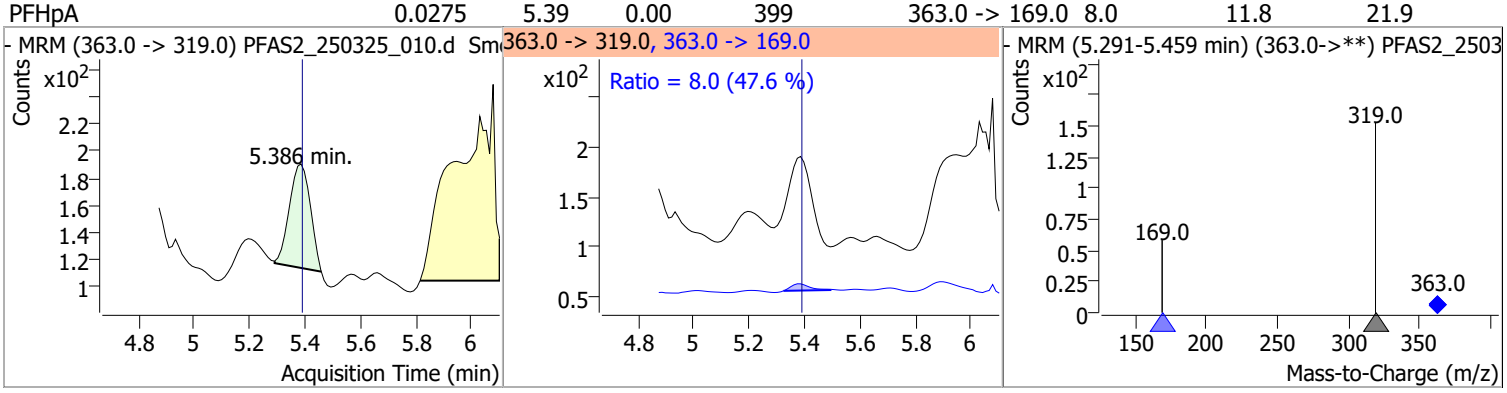
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0530	5.19	0.00	104	314.9 -> 83.0		4.8	8.8



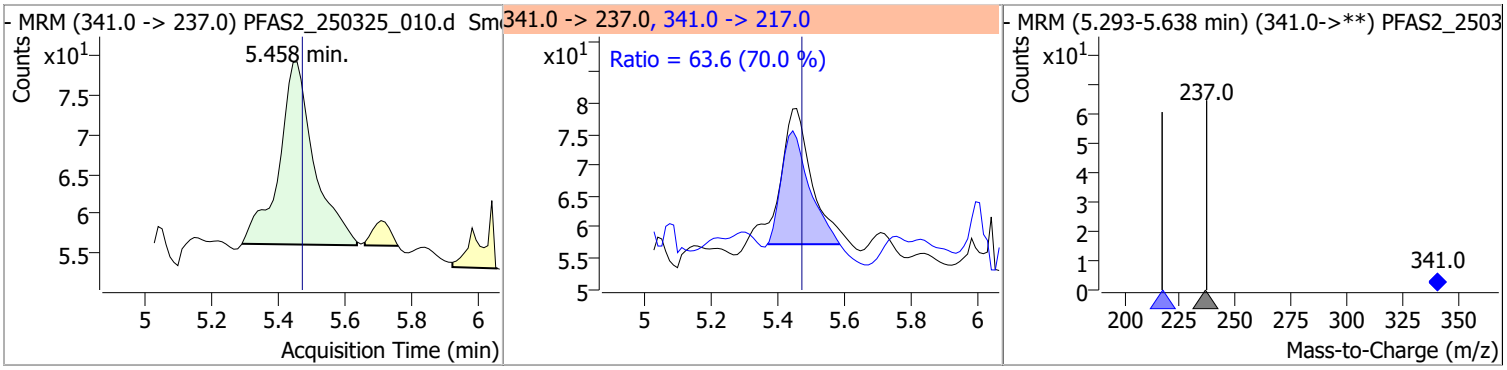
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4499	5.39	0.00	167335				



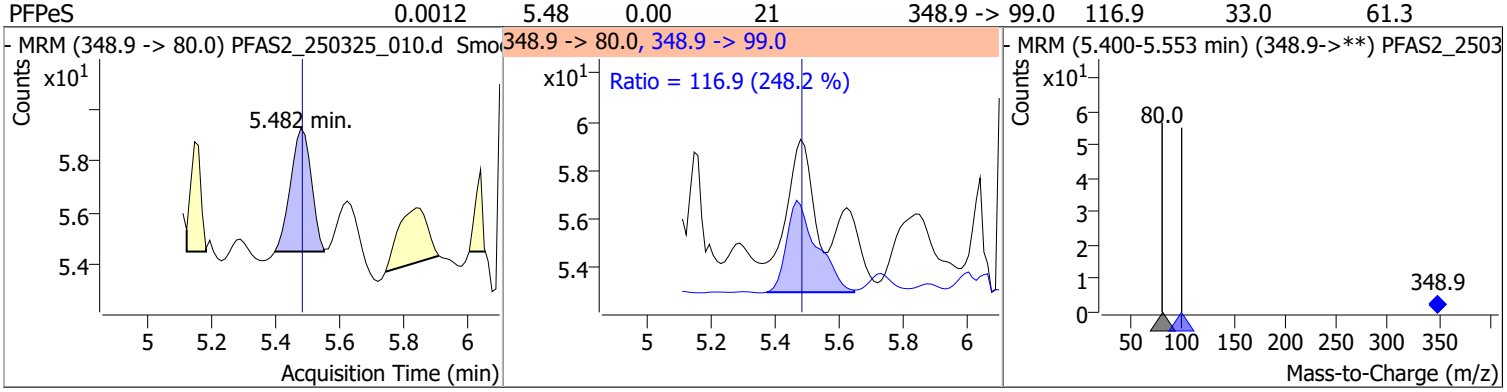
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0275	5.39	0.00	399	363.0 -> 169.0	8.0	11.8	21.9



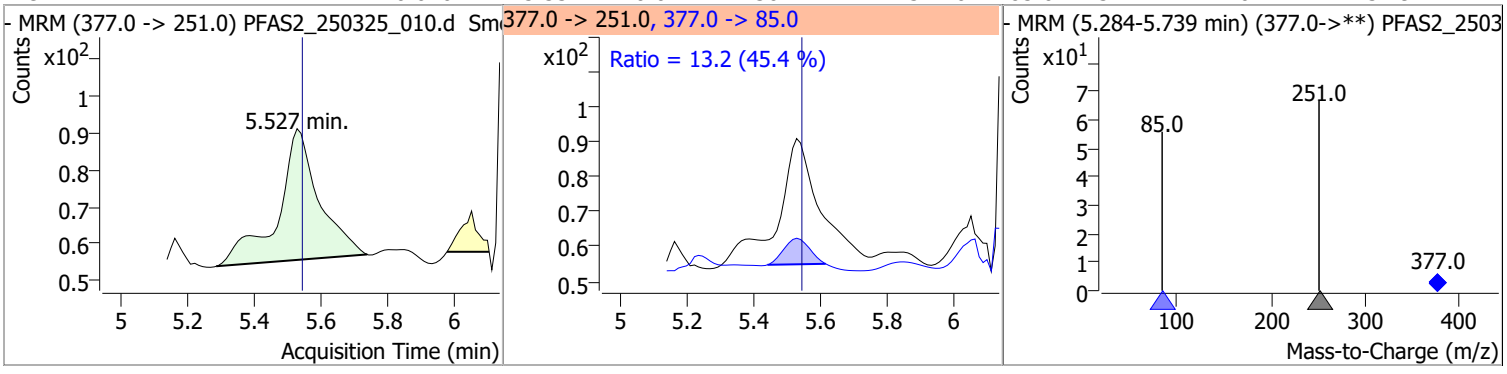
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2199	5.46	-0.01	170	341.0 -> 217.0	63.6	63.6	118.1



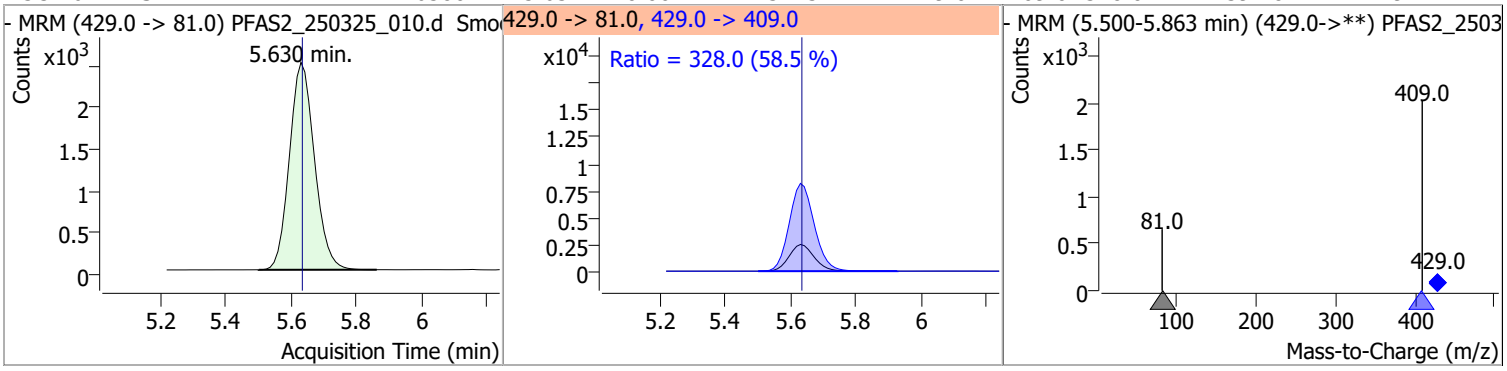
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0012	5.48	0.00	21	348.9 -> 99.0	116.9	33.0	61.3



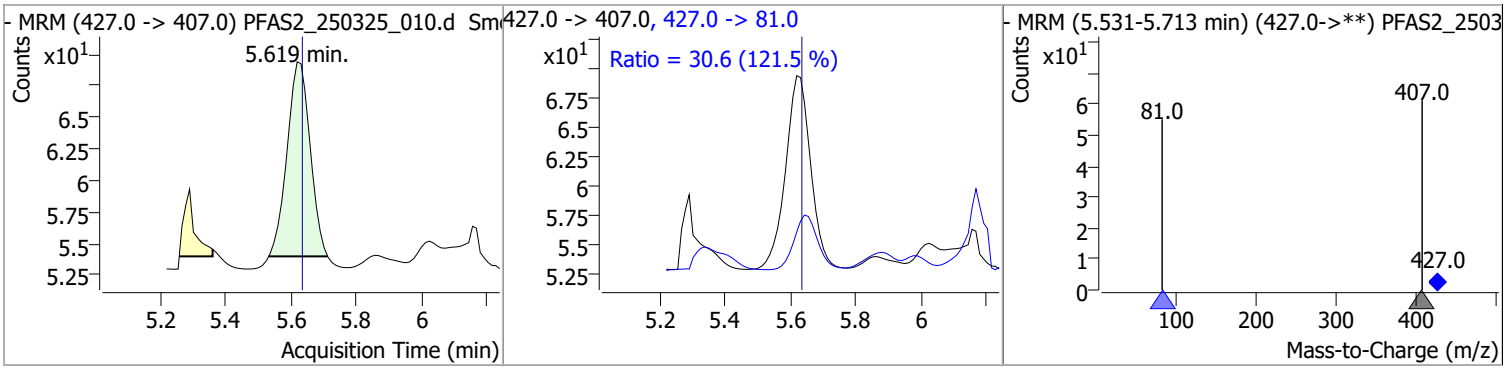
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0707	5.53	-0.01	304	377.0 -> 85.0	13.2	20.4	37.9



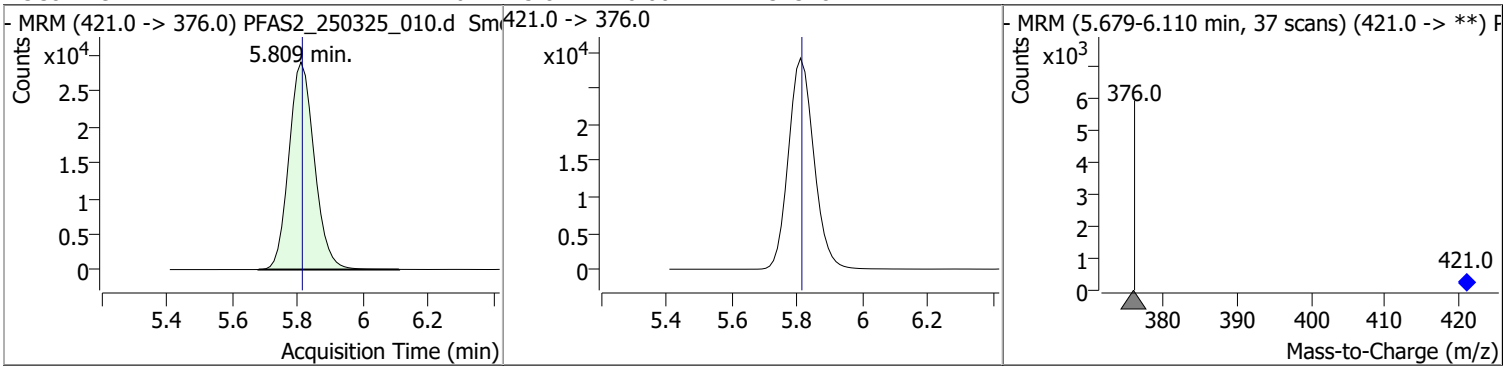
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6380	5.63	0.00	13223	429.0 -> 409.0	328.0	392.8	729.4



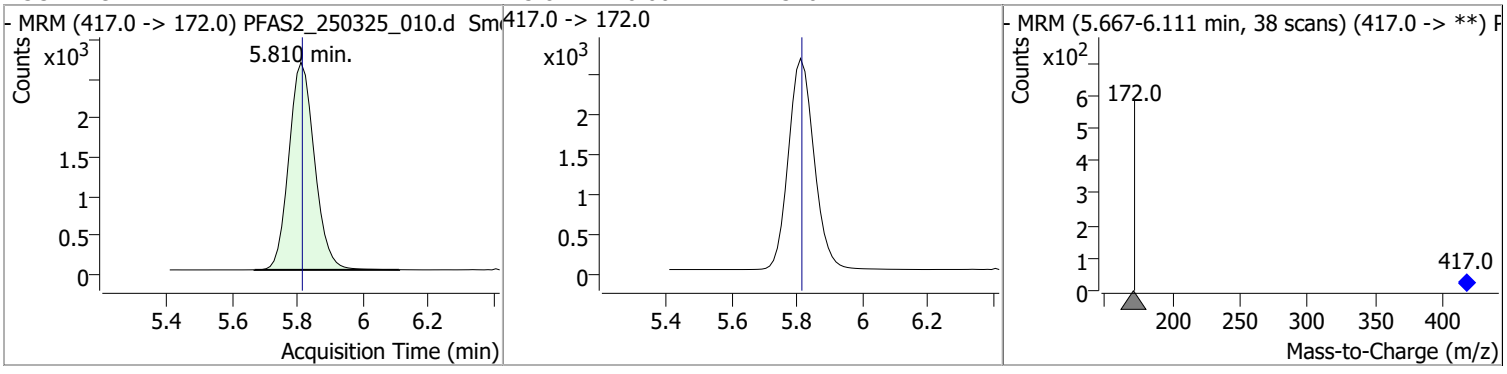
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1180	5.62	-0.01	75	427.0 -> 81.0	30.6	17.7	32.8



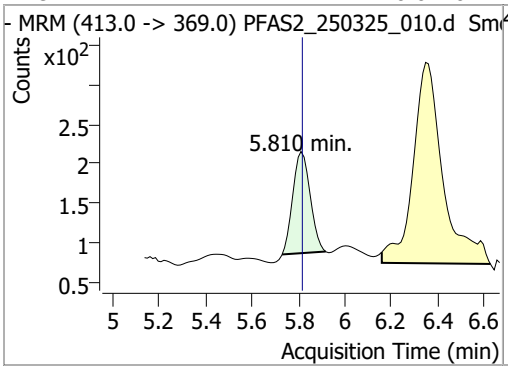
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4226	5.81	0.00	157528				

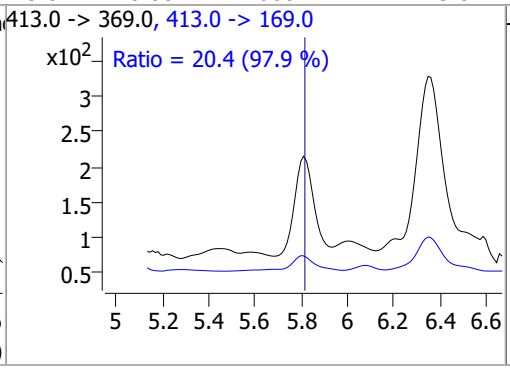


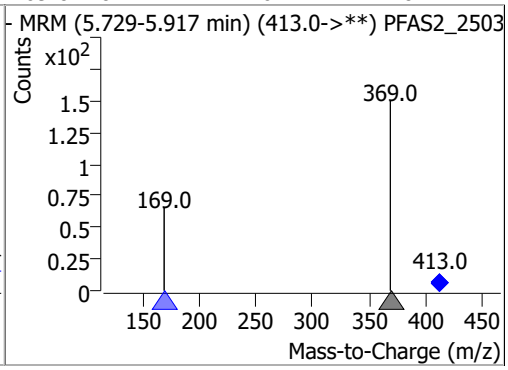
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	14540				



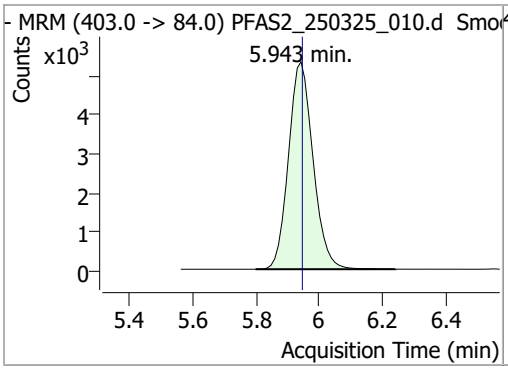
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0470	5.81	0.00	668	413.0 -> 169.0	20.4	14.6	27.0

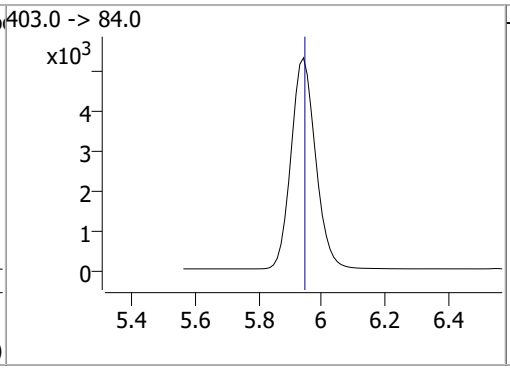


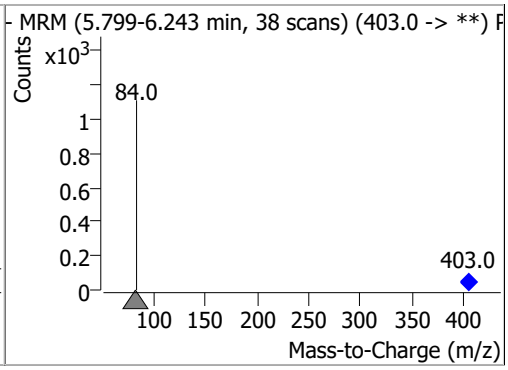




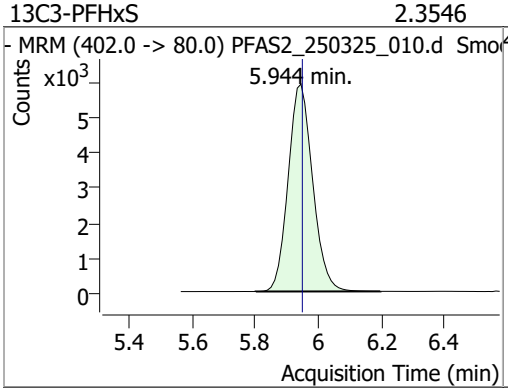
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	28630				

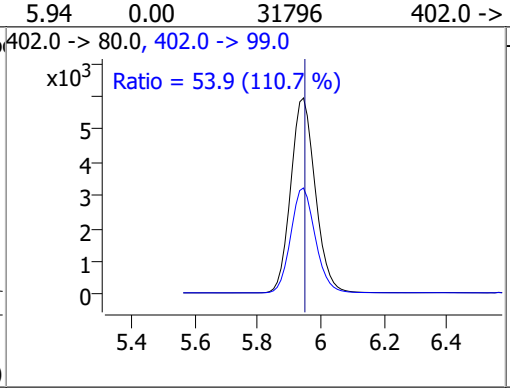


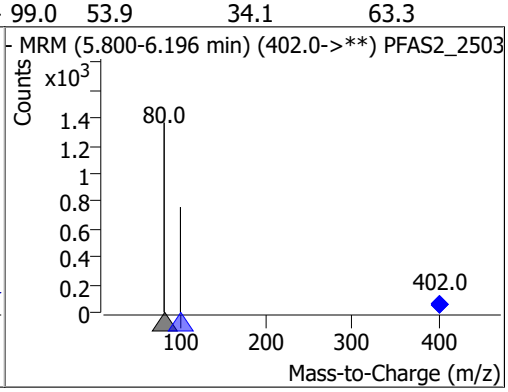




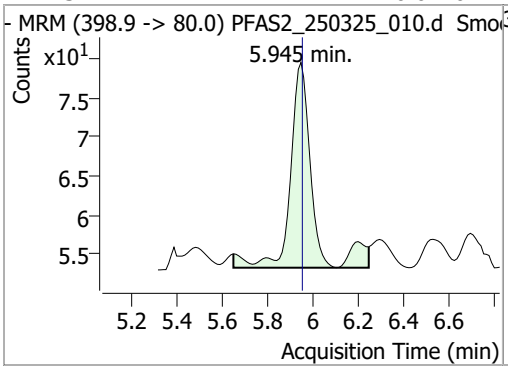
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3546	5.94	0.00	31796	402.0 -> 99.0	53.9	34.1	63.3

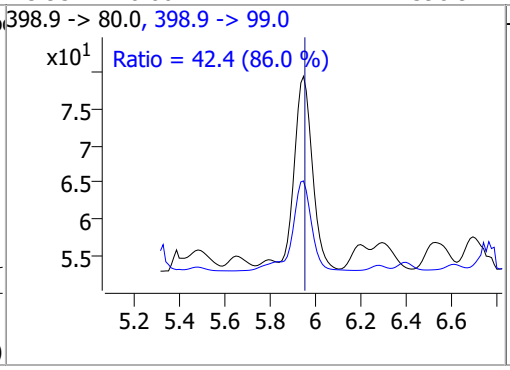


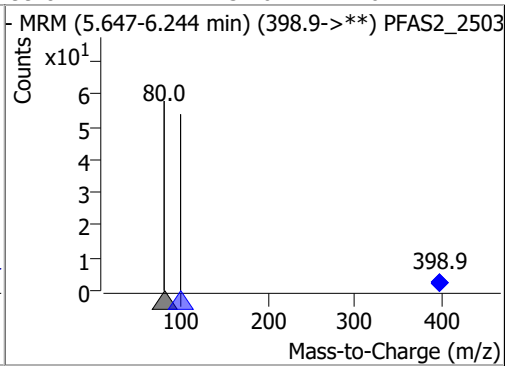




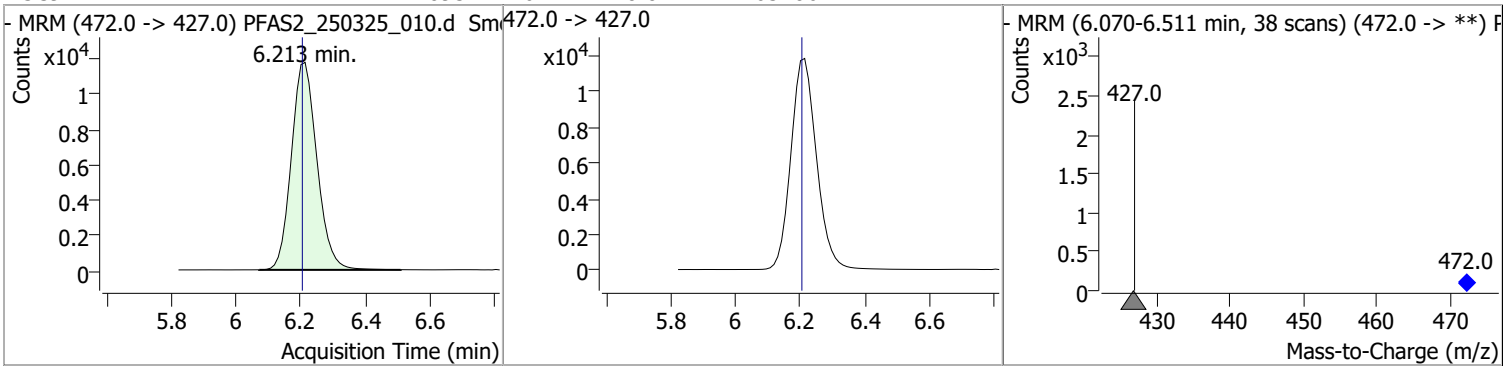
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0140	5.95	0.00	174	398.9 -> 99.0	42.4	34.6	64.2



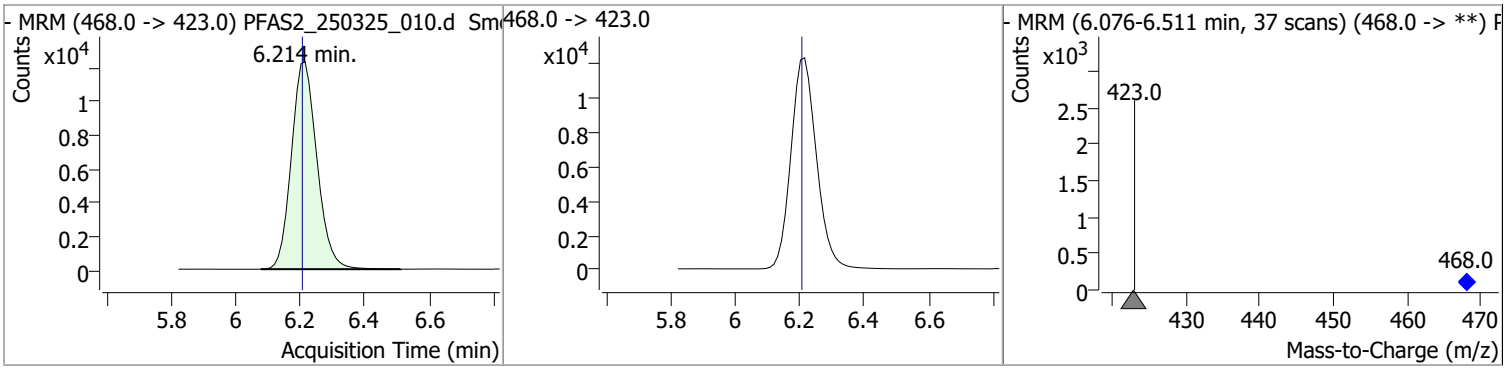




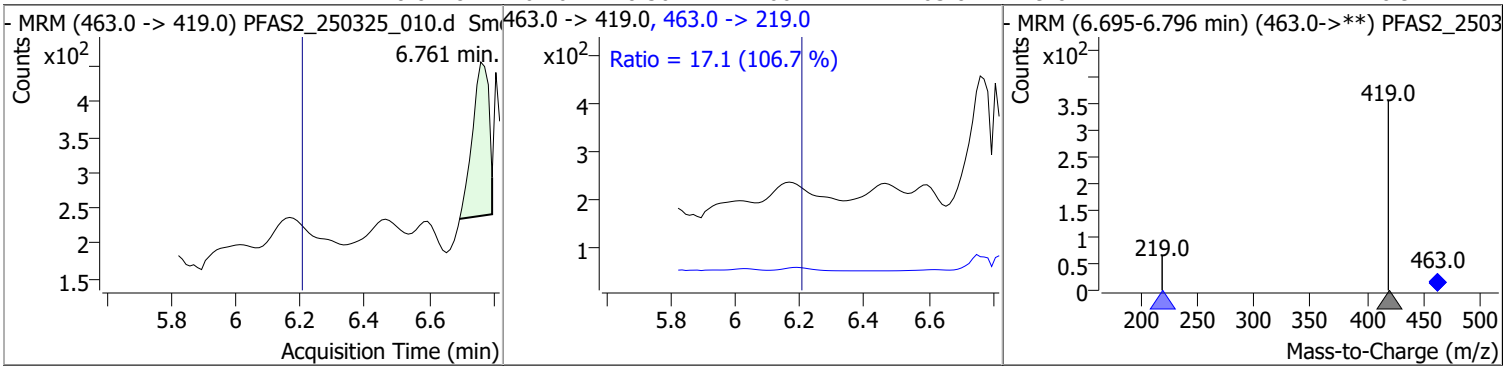
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2095	6.21	0.01	65106				



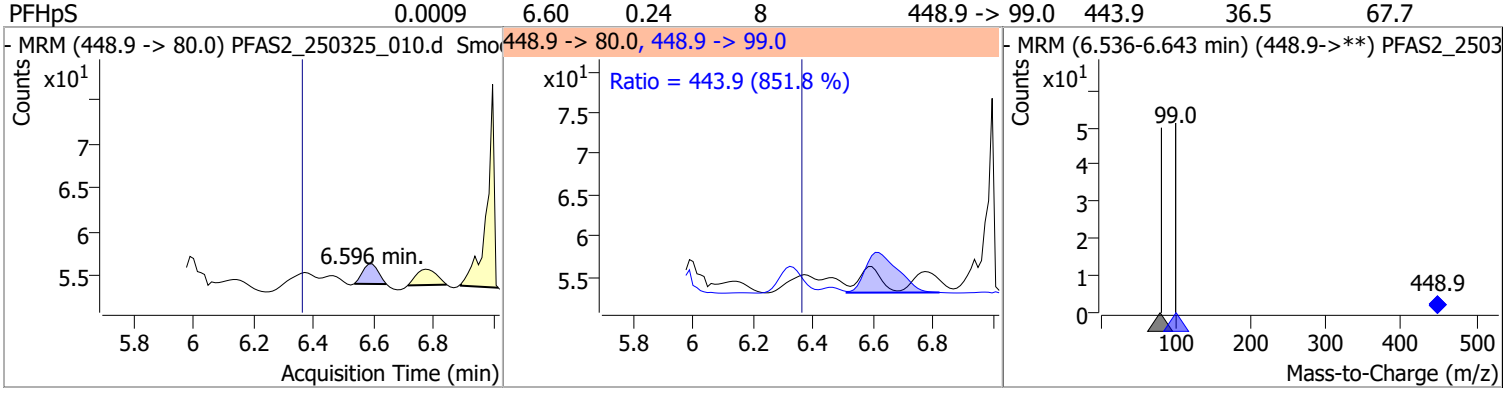
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	67933				



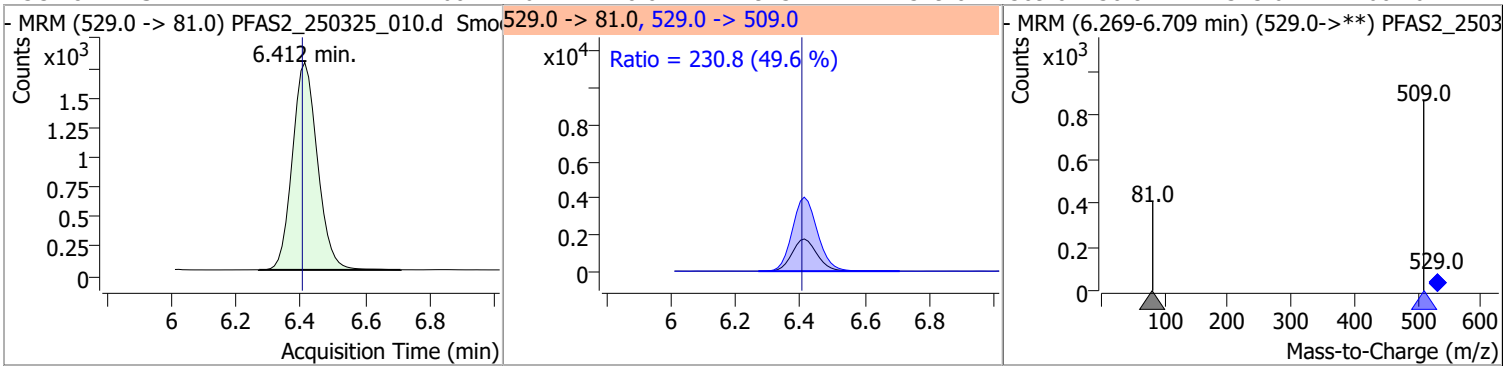
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0218	6.76	0.56	766	463.0 -> 219.0	17.1	11.2	20.9



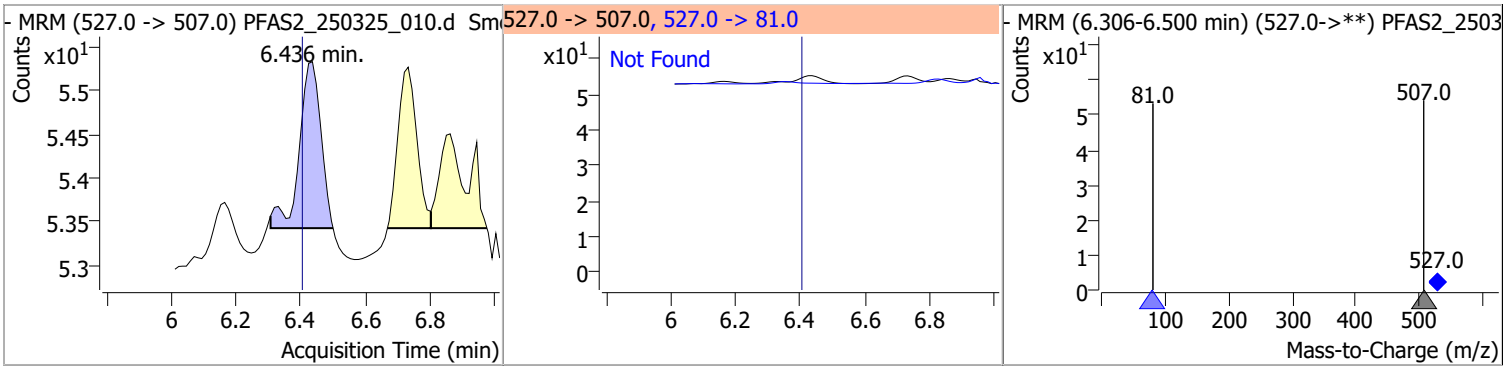
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	6.60	0.24	8	448.9 -> 99.0	443.9	36.5	67.7



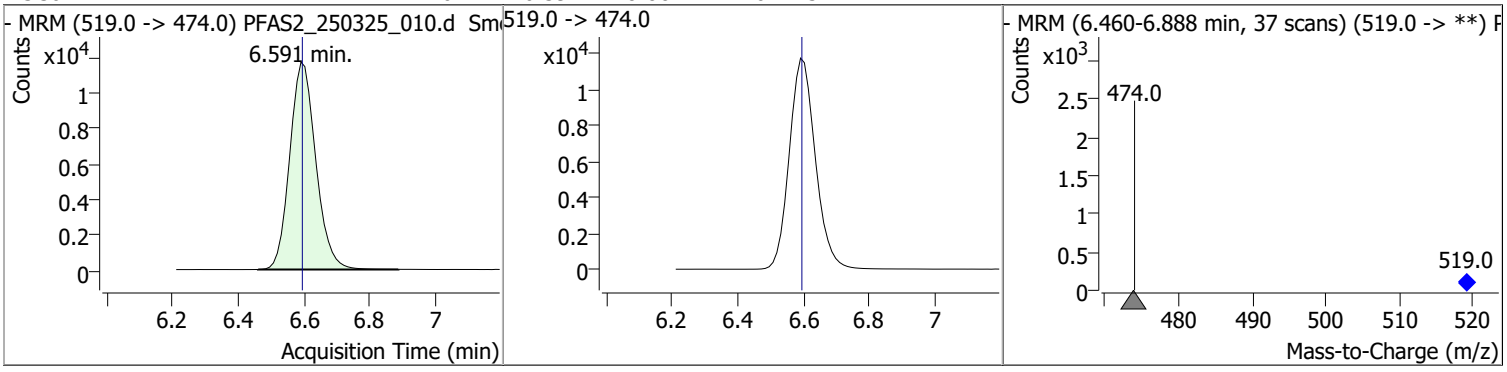
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.1160	6.41	0.01	9434	529.0 -> 509.0	230.8	325.6	604.6



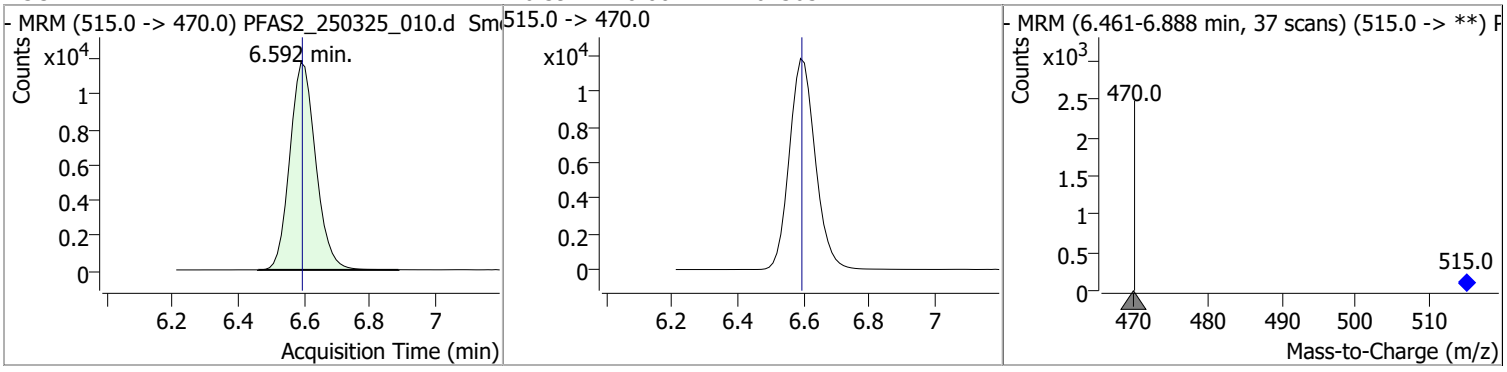
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0744	6.44	0.04	9	527.0 -> 81.0		19.7	36.6



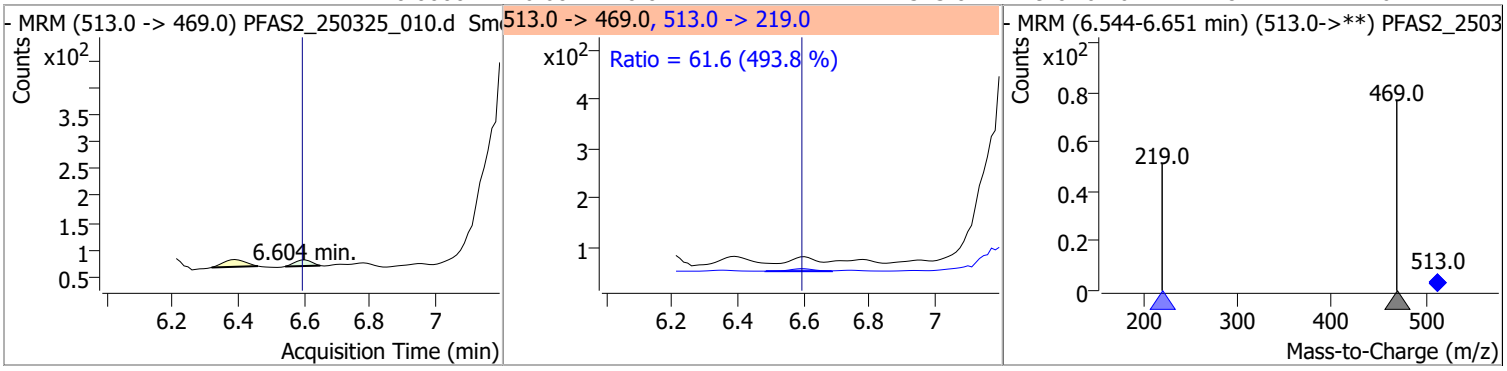
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2262	6.59	0.00	64225				



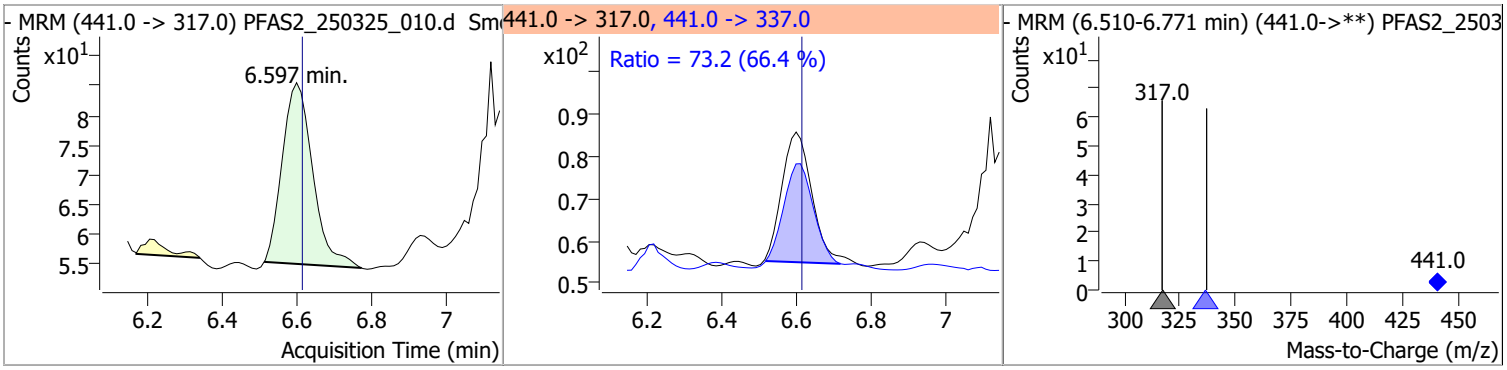
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	64365				



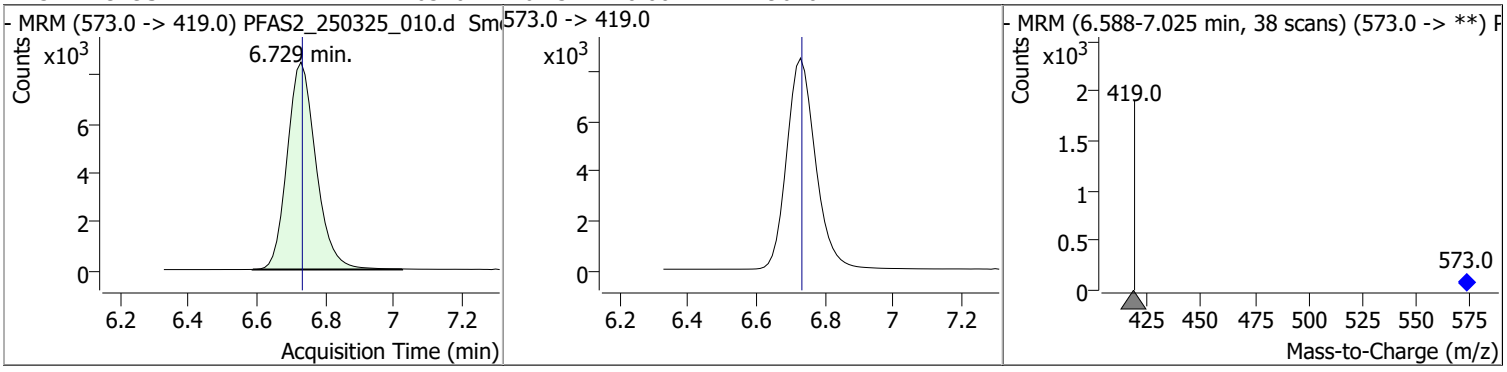
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.60	0.01	41	513.0 -> 219.0	61.6	8.7	16.2



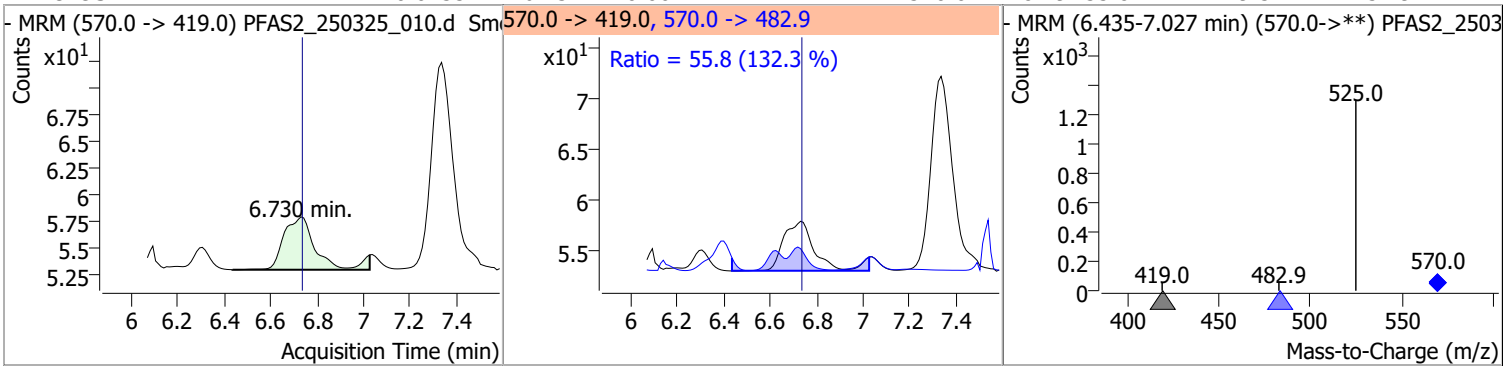
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.3023	6.60	-0.01	173	441.0 -> 337.0	73.2	77.1	143.3



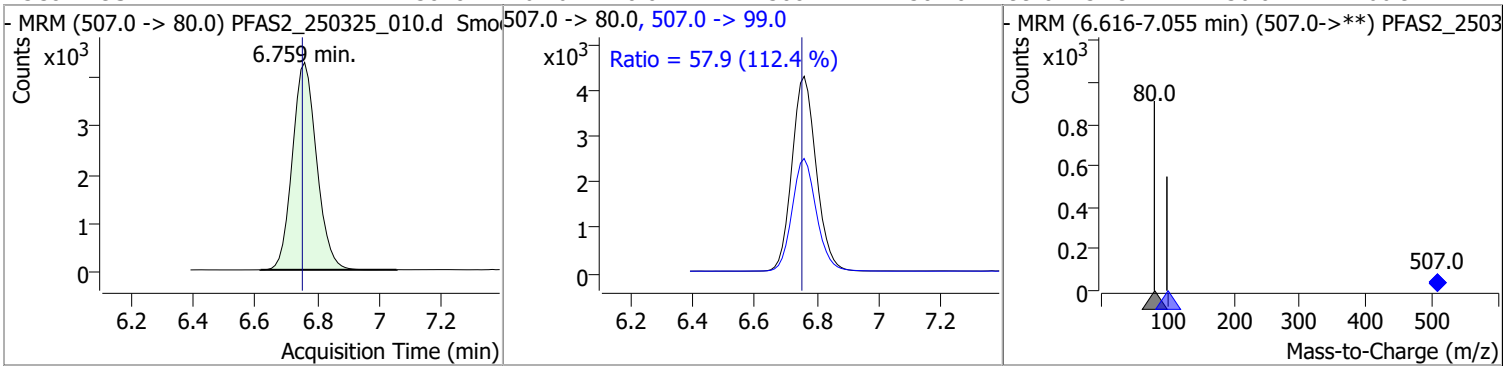
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6316	6.73	0.00	49620				



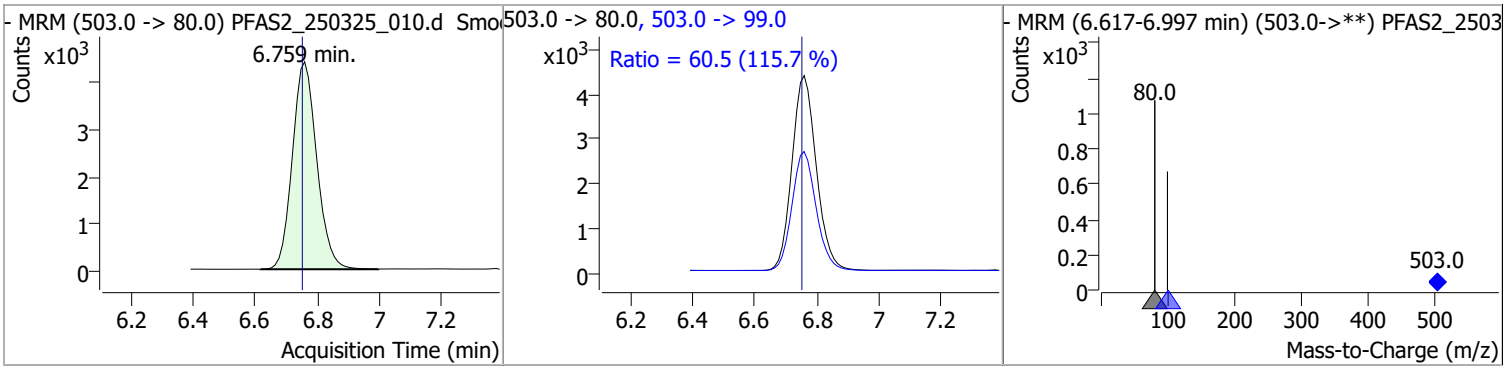
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0135	6.73	0.00	47	570.0 -> 482.9	55.8	29.5	54.9



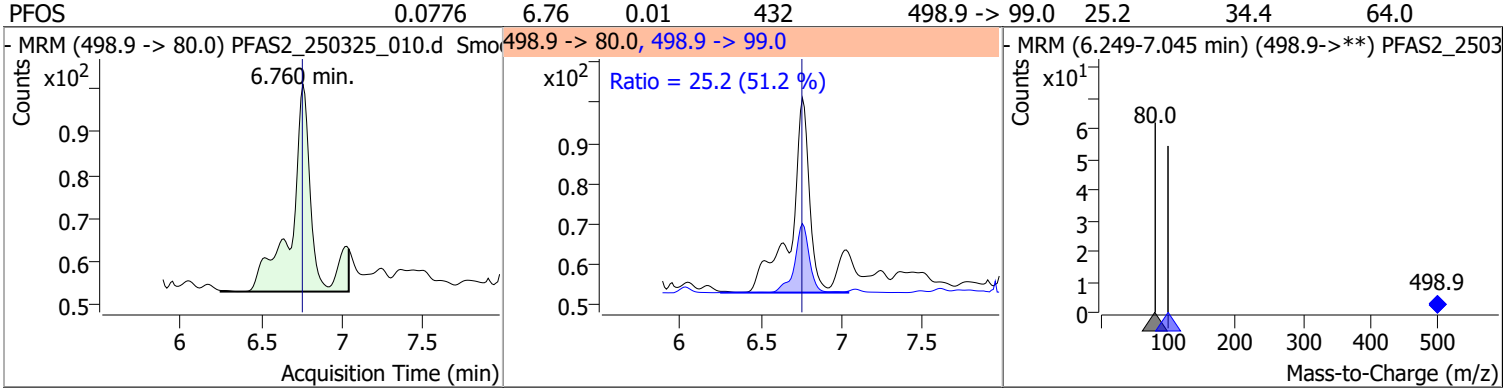
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3818	6.76	0.01	23081	507.0 -> 99.0	57.9	36.0	66.9



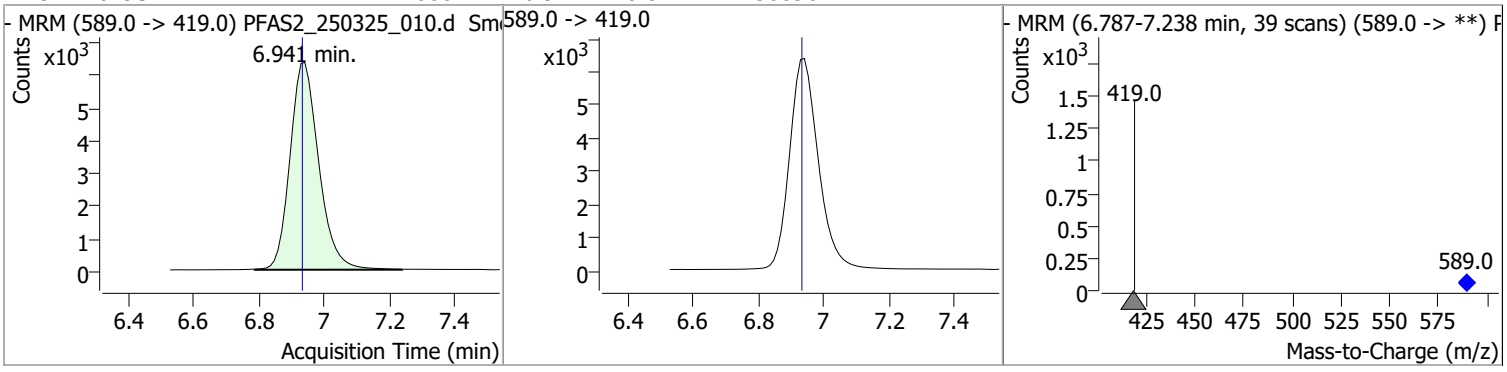
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	23877	503.0 -> 99.0	60.5	36.6	67.9



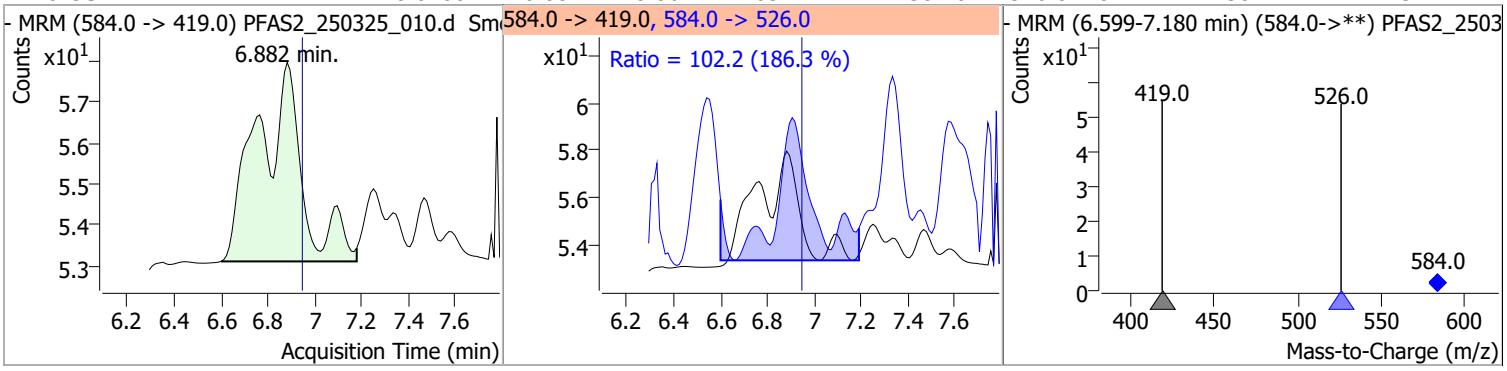
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0776	6.76	0.01	432	498.9 -> 99.0	25.2	34.4	64.0



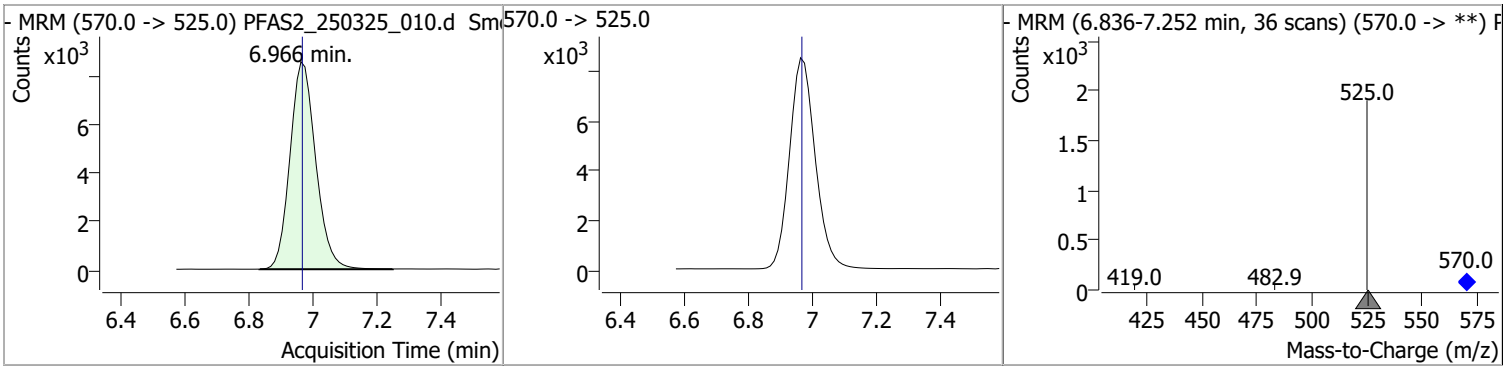
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8082	6.94	0.01	38890				



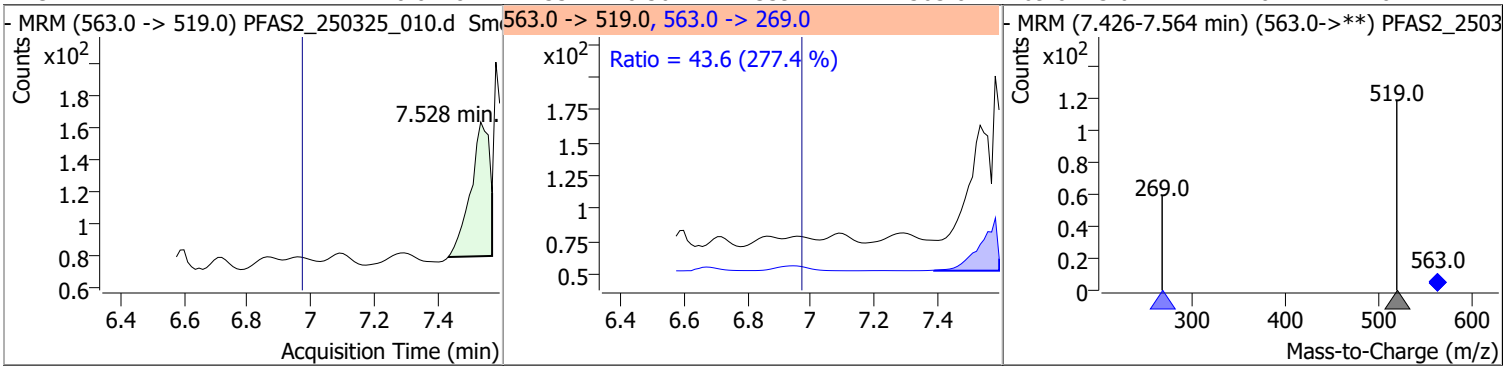
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0200	6.88	-0.06	65	584.0 -> 526.0	102.2	38.4	71.3



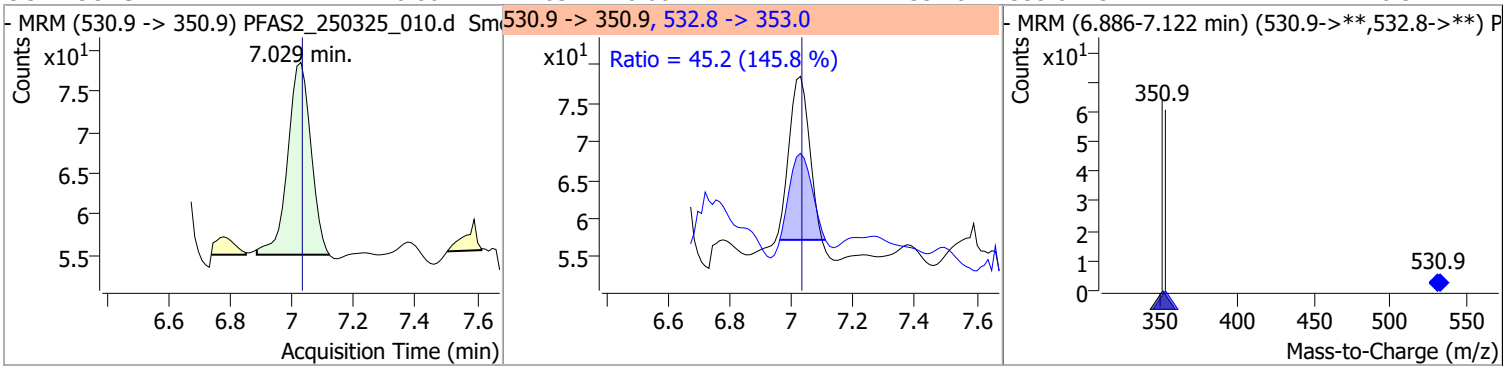
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1546	6.97	0.00	47660				



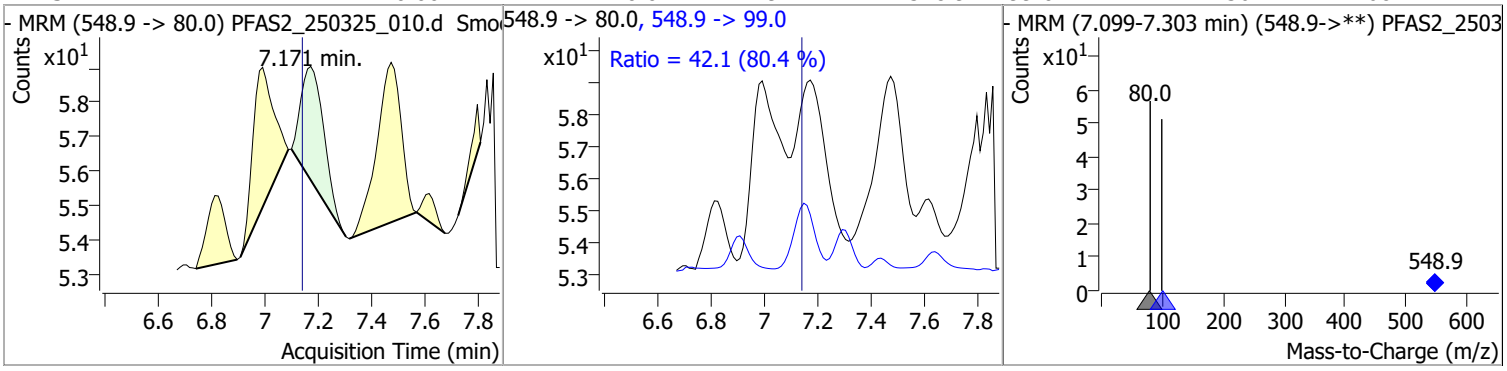
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0228	7.53	0.56	339	563.0 -> 269.0	43.6	11.0	20.4



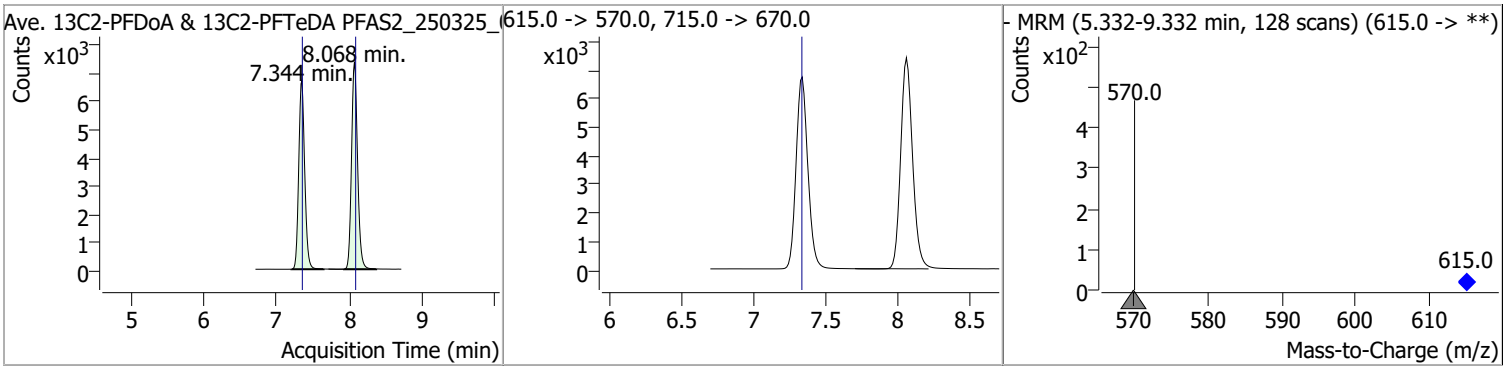
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0674	7.03	0.00	122	532.8 -> 353.0	45.2	21.7	40.3



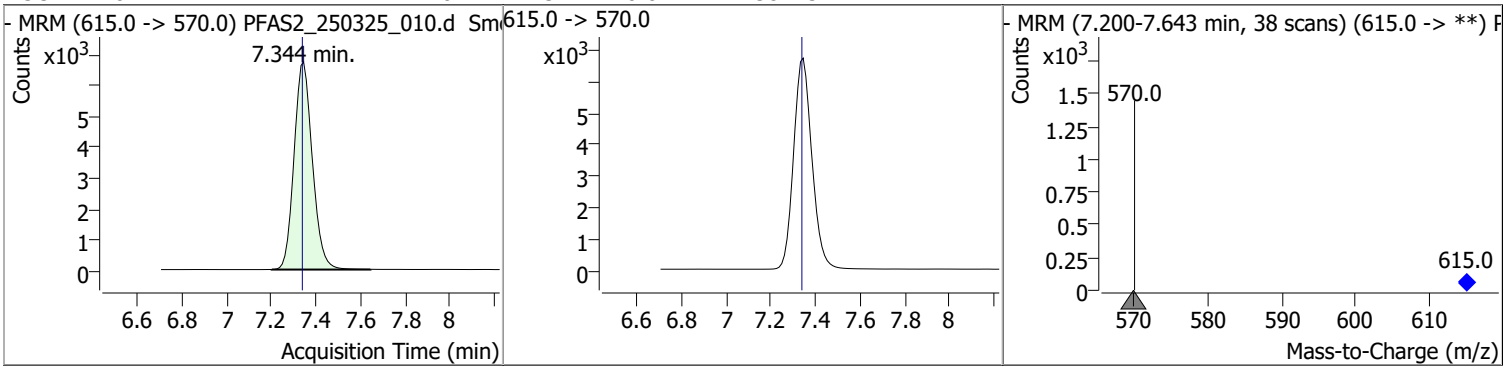
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0024	7.17	0.04	19	548.9 -> 99.0	42.1	36.7	68.1



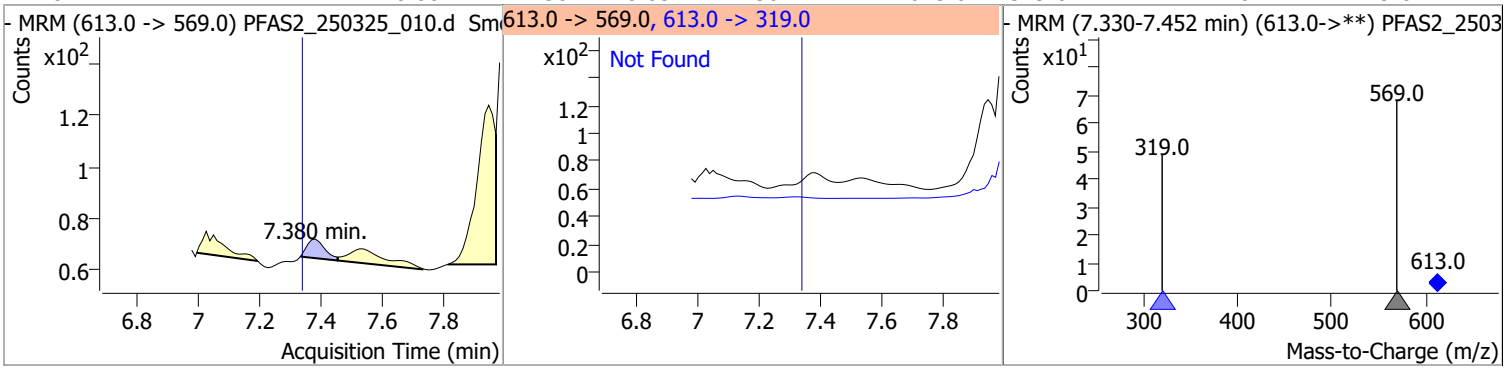
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1862	7.71	0.37	40356				



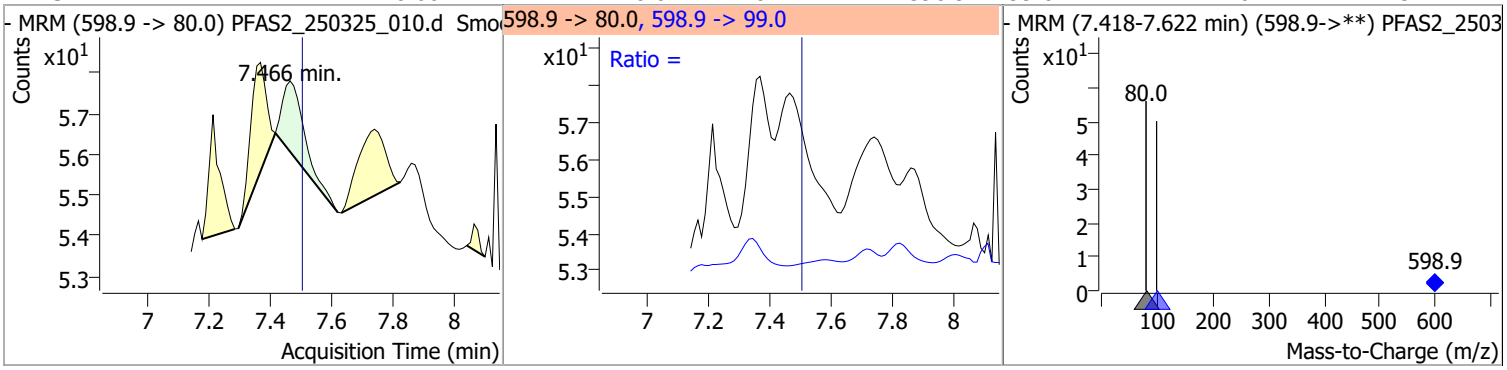
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2404	7.34	0.01	38145				



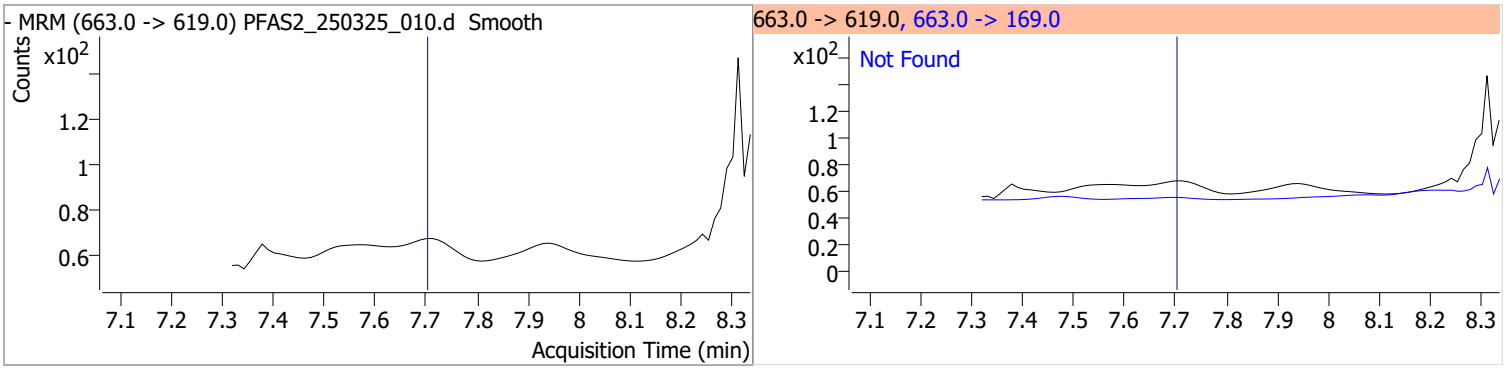
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0011	7.38	0.05	30	613.0 -> 319.0		10.2	19.0



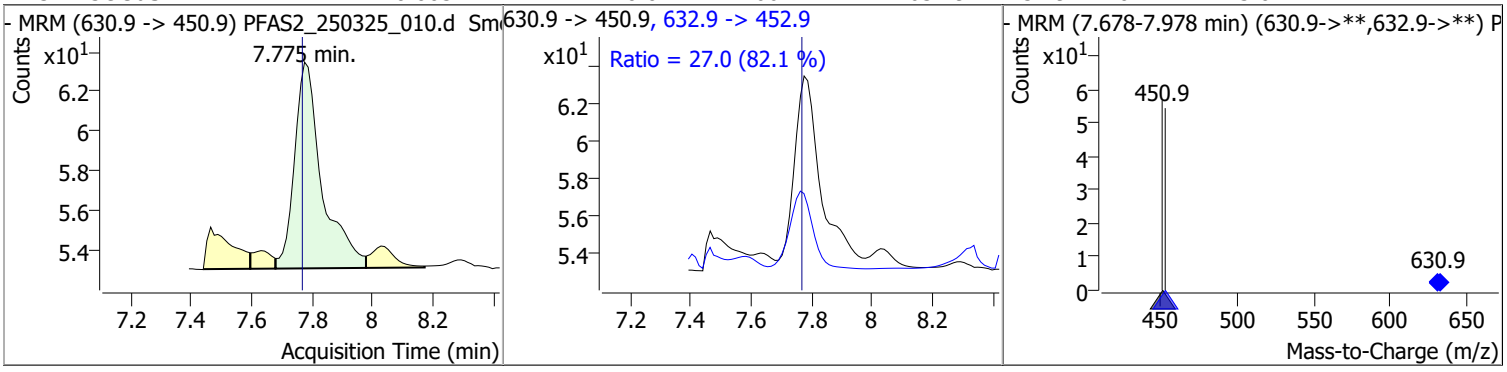
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0014	7.47	-0.04	8	598.9 -> 99.0		40.4	74.9



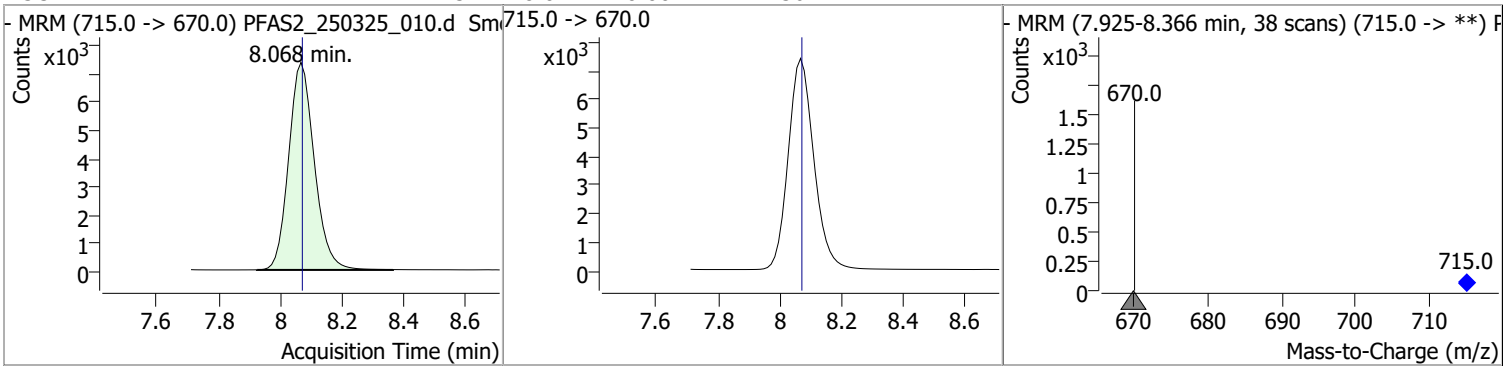
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTrDA	N.D.	7.70	663.0 -> 169.0	10.3



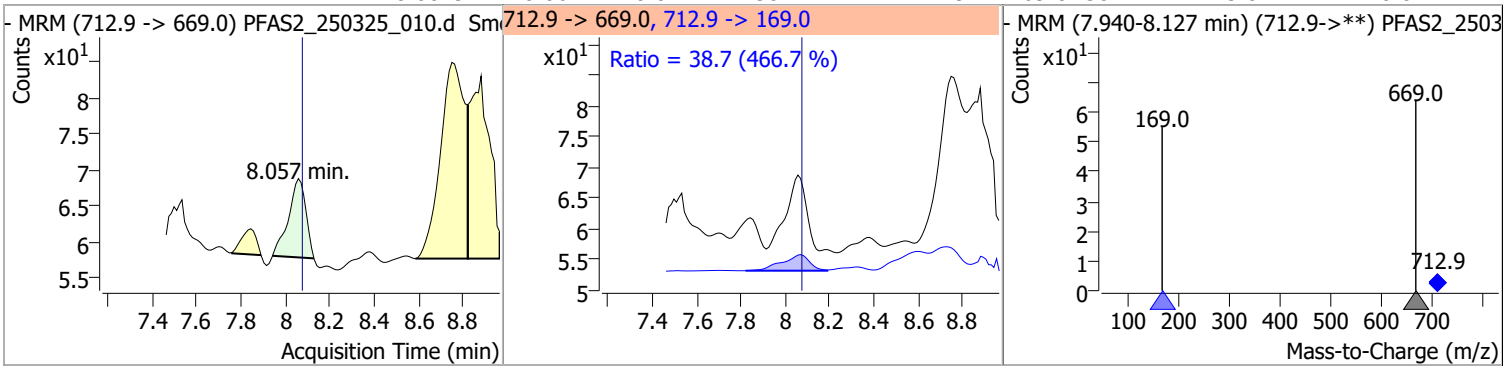
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0031	7.77	0.01	66	632.9 -> 452.9	27.0	23.0	42.7



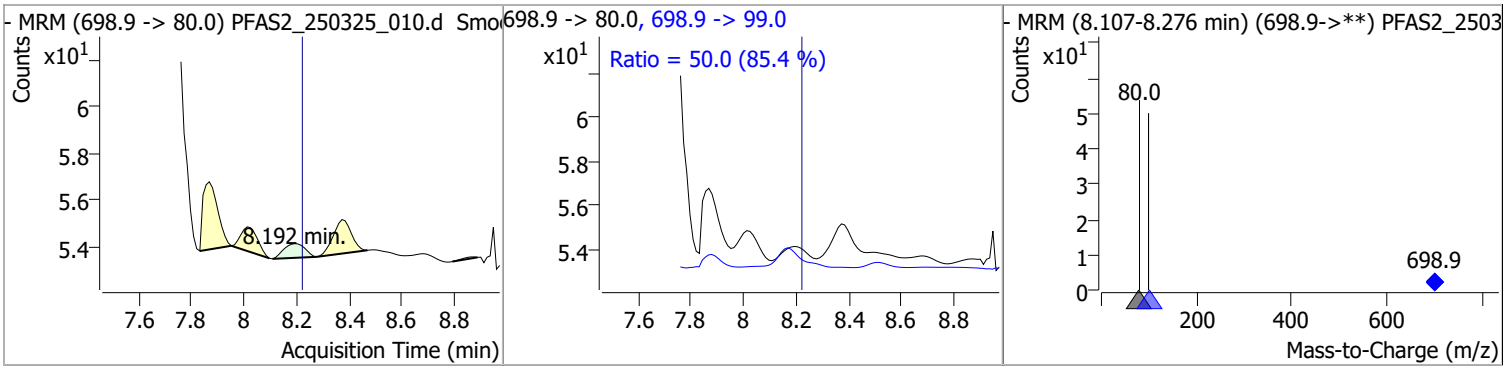
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1415	8.07	0.00	42567				



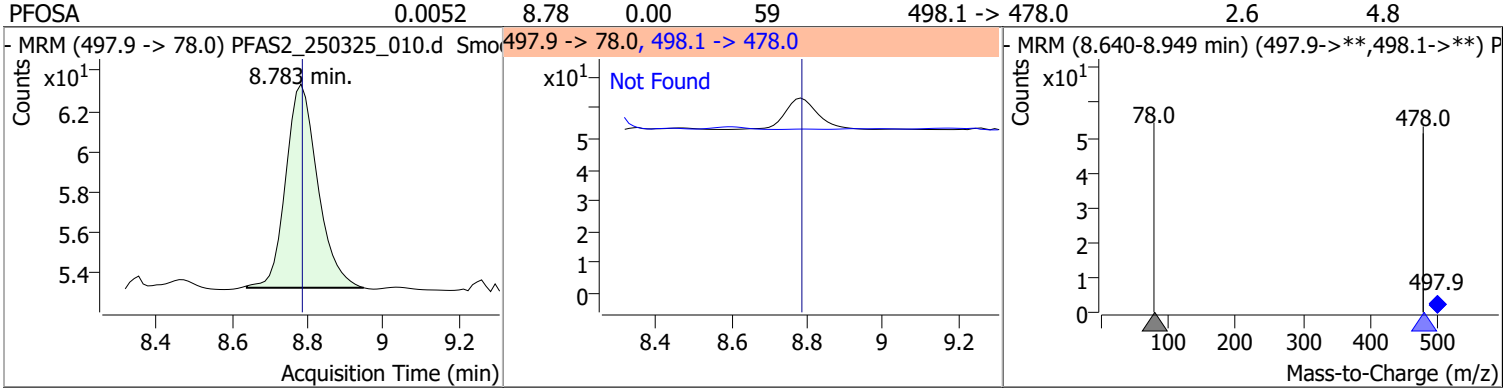
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0079	8.06	-0.01	58	712.9 -> 169.0	38.7	5.8	10.8



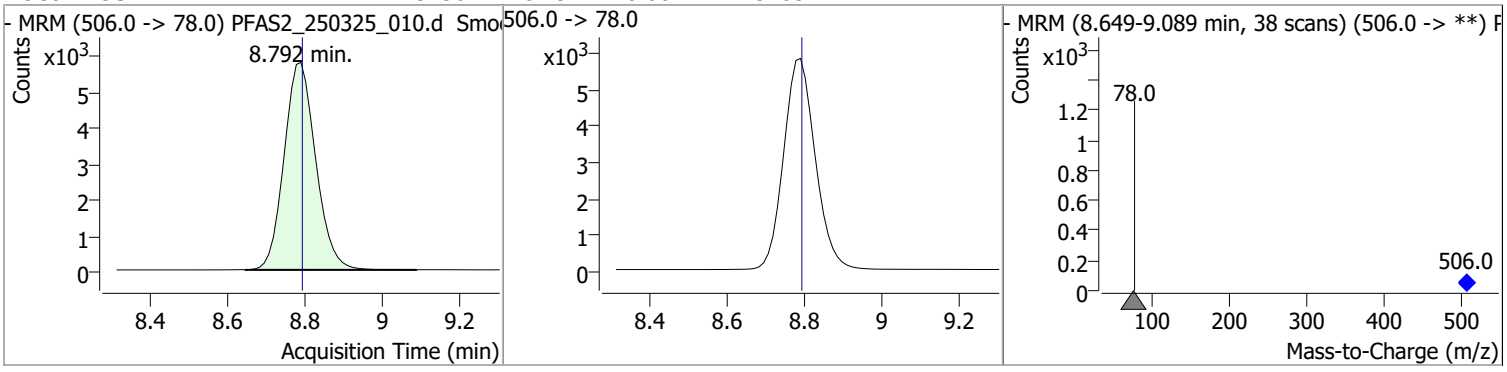
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0010	8.19	-0.02	4	698.9 -> 99.0	50.0	41.0	76.1



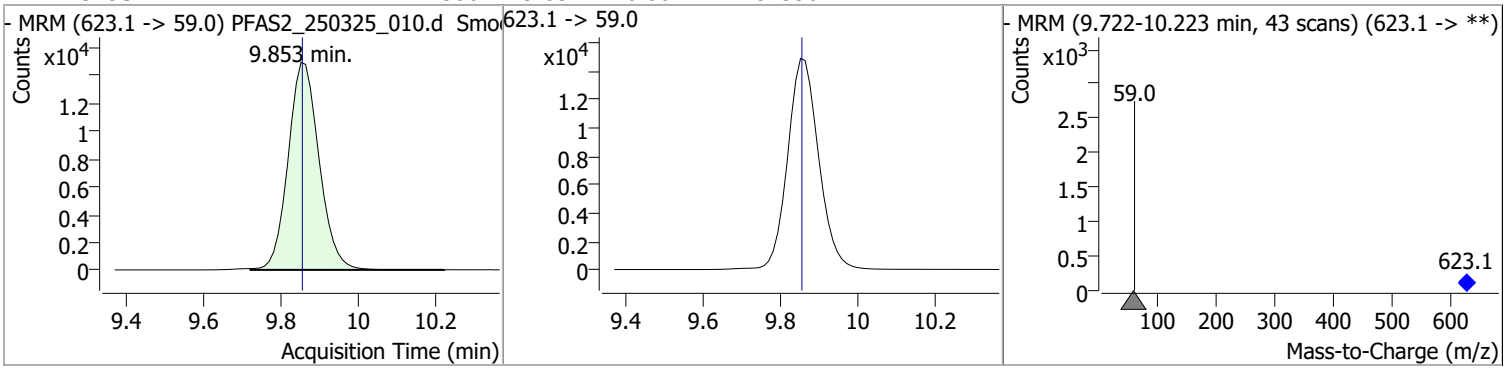
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0052	8.78	0.00	59	498.1 -> 478.0		2.6	4.8



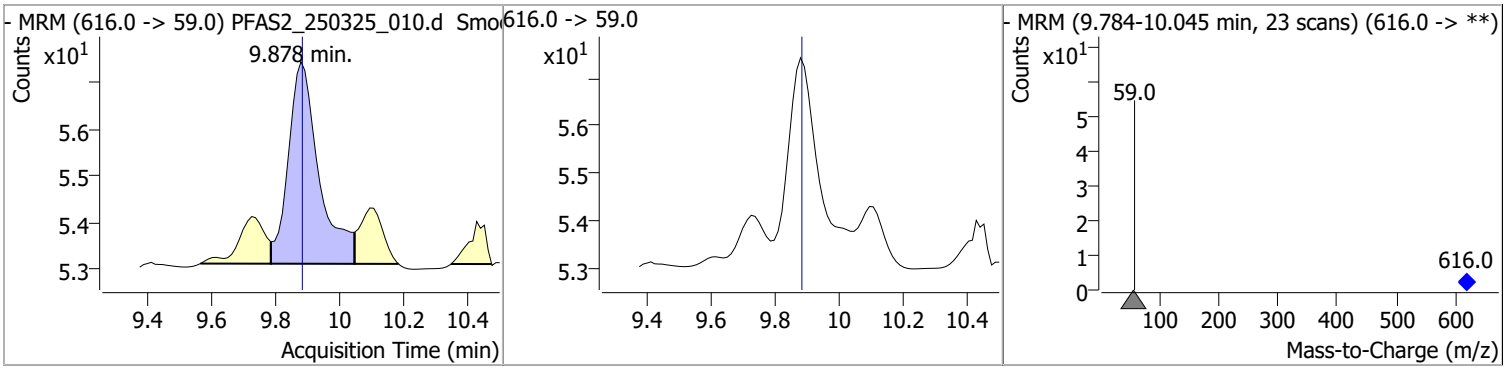
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3136	8.79	0.00	32854				



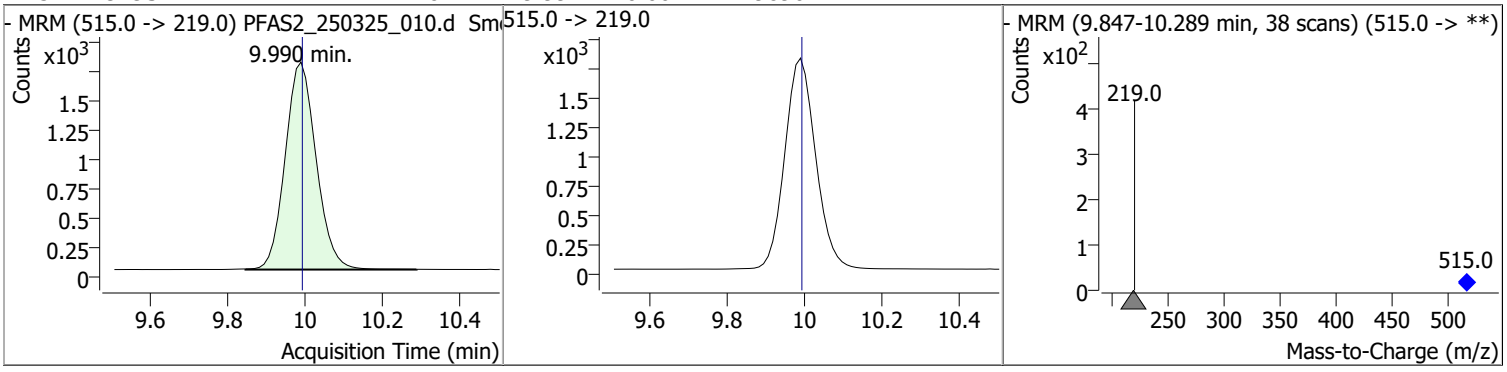
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	17.1500	9.85	0.00	82556				



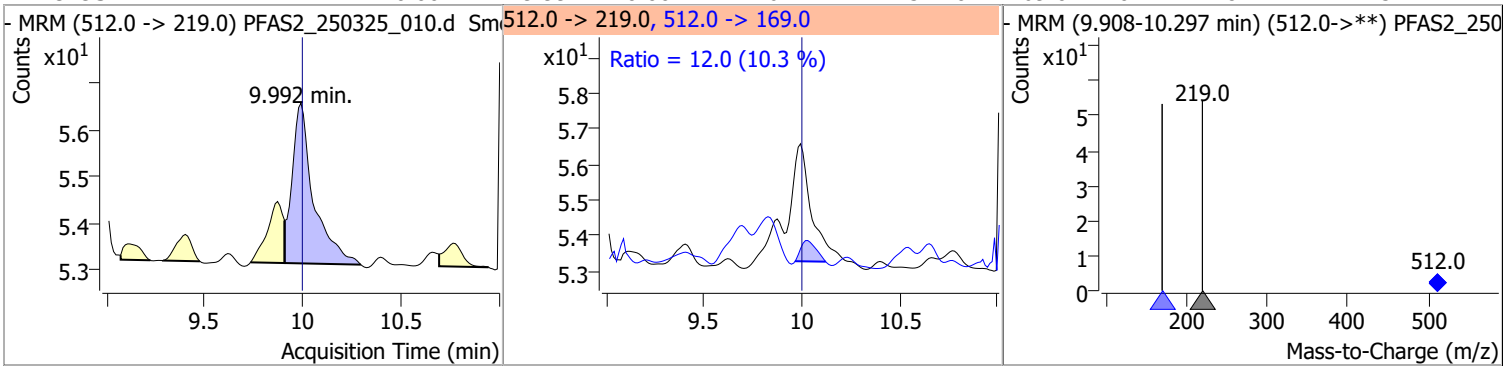
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	29				



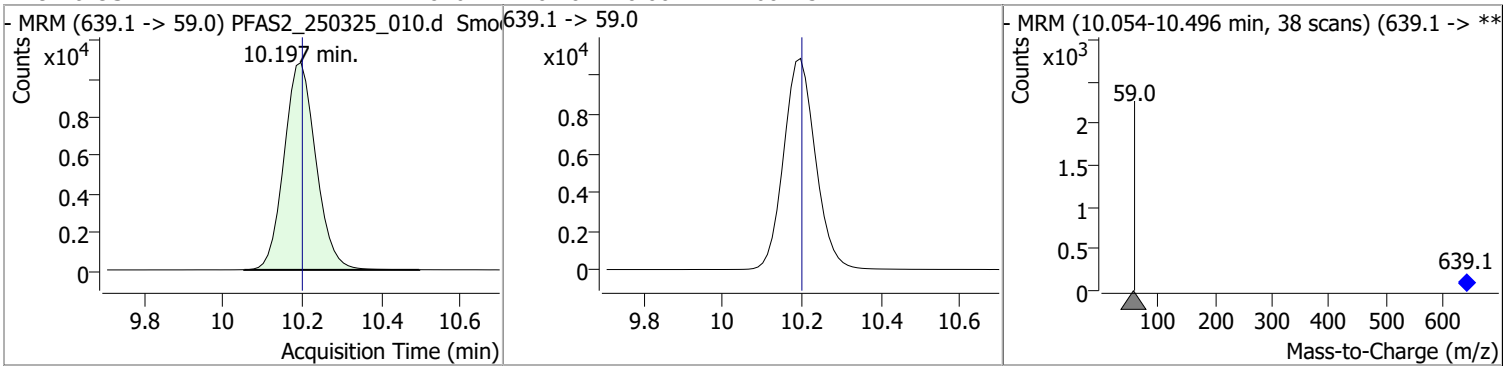
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4817	9.99	0.00	9890				



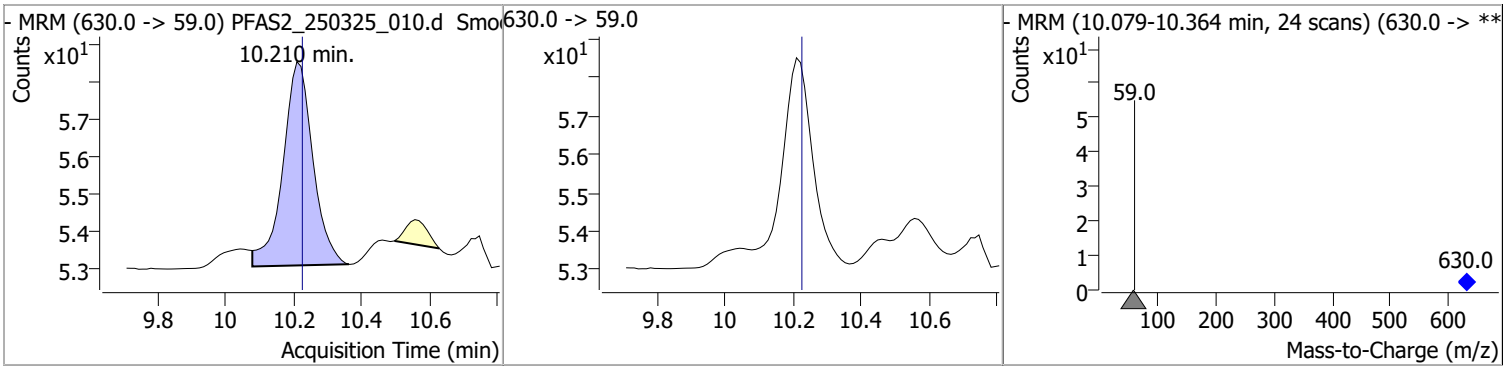
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0071	9.99	0.00	26	512.0 -> 169.0	12.0	81.4	151.2



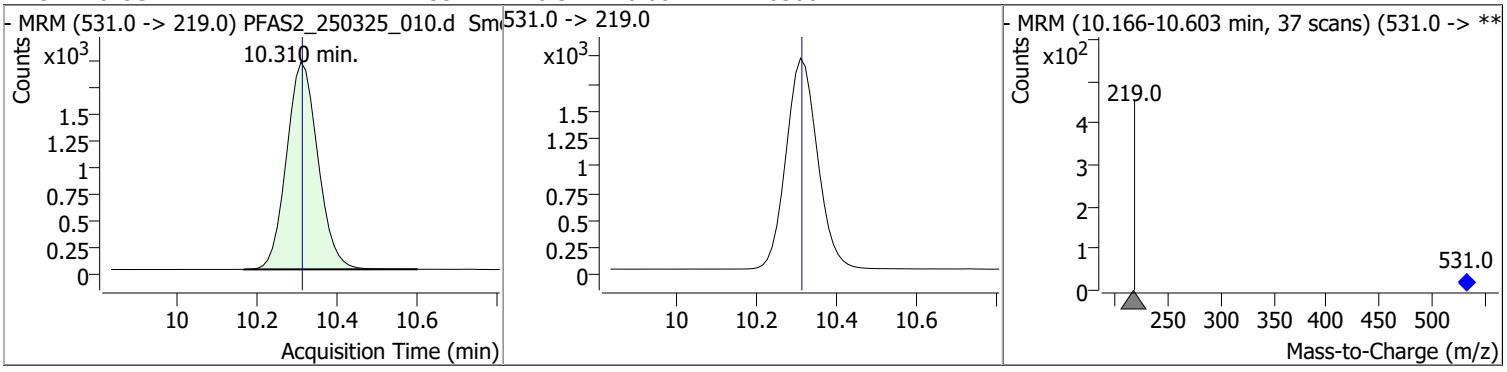
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.8261	10.20	0.00	60475				



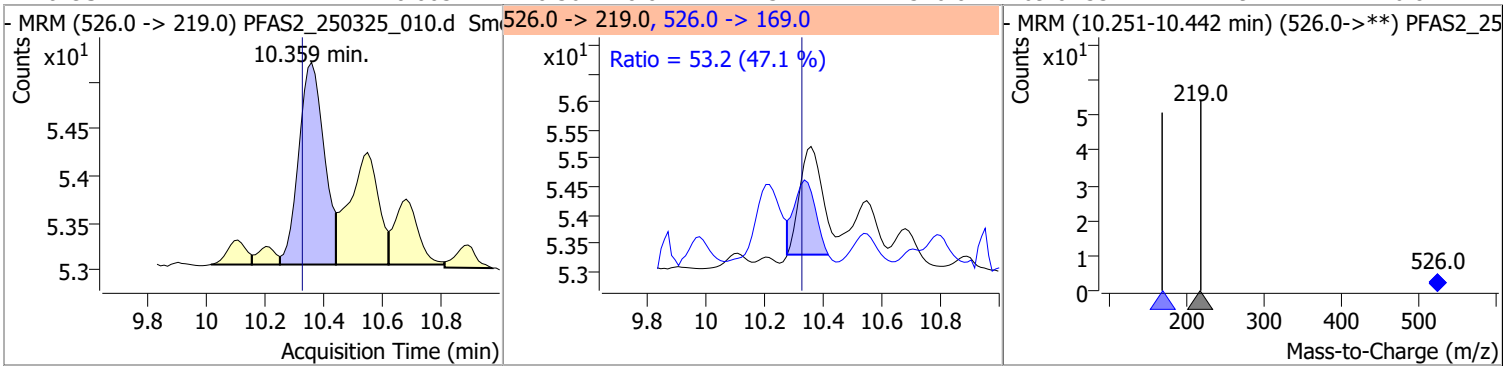
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0248	10.21	-0.01	33				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4551	10.31	0.00	10580				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0032	10.36	0.04	13	526.0 -> 169.0	53.2	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:46:50 PM
Sample Name	B25C1367-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

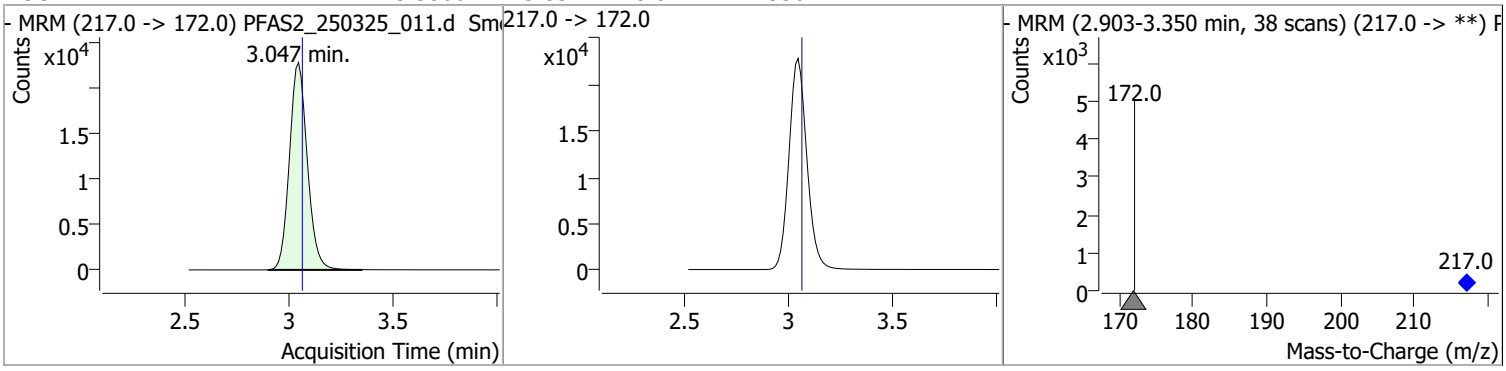
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	106829	5.0000	µg/L		-21.932
13C2-PFHxA	4.890	315.0 -> 270.0	120463	2.5000	µg/L		-21.484
18O2-PFHxS	5.943	403.0 -> 84.0	24414	2.5000	µg/L		-17.603
13C4-PFOA	5.810	417.0 -> 172.0	12739	2.5000	µg/L		-17.536
13C5-PFNA	6.214	468.0 -> 423.0	61855	1.2500	µg/L		-13.091
13C2-PFDA	6.592	515.0 -> 470.0	53278	1.2500	µg/L		-20.333
13C4-PFOS	6.759	503.0 -> 80.0	20345	2.5000	µg/L		-18.324
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	135624	10.0000	µg/L		-56.367
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.87%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25208	5.0000	µg/L	#	-0.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 121.58%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C3-PFBS	4.929	302.0 -> 80.0	49752	2.5000	µg/L		-18.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.54%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	140533	10.0000	µg/L		-19.590
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.41%			
13C4-PFHpA	5.385	367.0 -> 322.0	158389	2.5000	µg/L		-16.146
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.83%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13853	5.0000	µg/L	#	-6.203
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.96%			
13C8-PFOA	5.809	421.0 -> 376.0	145490	2.5000	µg/L		-15.775
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C9-PFNA	6.213	472.0 -> 427.0	61134	1.2500	µg/L		-13.241
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9737	5.0000	µg/L	#	-17.803
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C6-PFDA	6.591	519.0 -> 474.0	58155	1.2500	µg/L		-14.428
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.31%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46476	5.0000	µg/L		-16.737
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.83%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34103	5.0000	µg/L		-19.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.96%			
13C7-PFUnDA	6.966	570.0 -> 525.0	45585	1.2500	µg/L		-14.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.73%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	31224	1.2500	µg/L		-29.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.70%			
13C2-PFDoDA	7.344	615.0 -> 570.0	36060	1.2500	µg/L		-9.725
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.33%			
13C2-PFTDA	8.068	715.0 -> 670.0	26388	1.2500	µg/L		-45.349
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.39%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	54447	25.0000	µg/L		-56.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.10%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8248	2.5000	µg/L		-20.458
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H9-EtFOSE	10.197	639.1 -> 59.0	45882	25.0000	µg/L		-27.756
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.42%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9216	2.5000	µg/L		-18.008
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.754	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	4.627	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.834	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.904	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.227	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.386	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.495	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.363	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.564	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	437	0.0439	µg/L		90
PFHxS	5.945	398.9 -> 80.0	203	0.0185	µg/L		98
PFNA	5.892	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.282	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.580	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.801	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	303	0.0663	µg/L		92
N-EtFOSAA	6.941	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.896	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	6.993	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.076	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.332	613.0 -> 569.0	0	0.0000	µg/L	md	

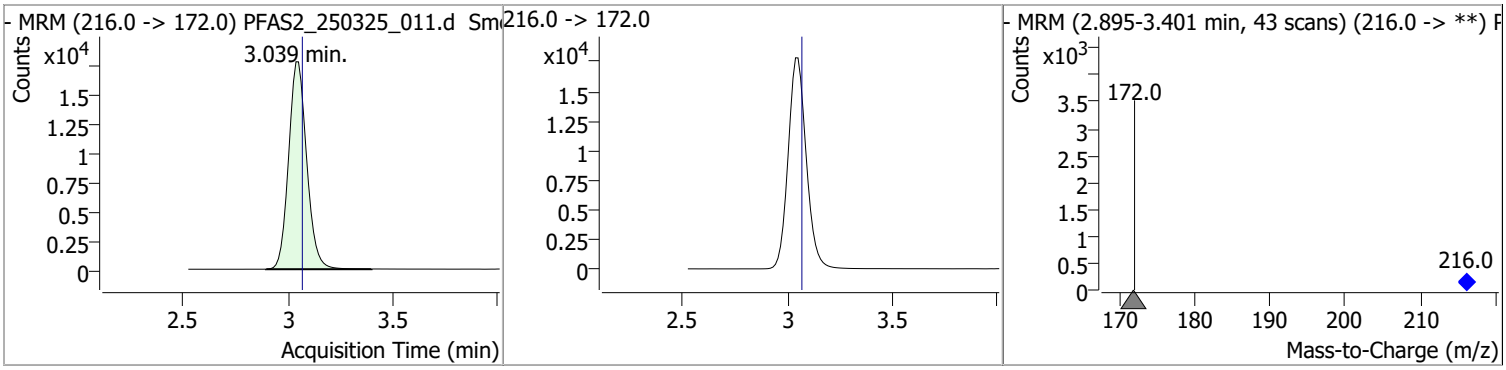
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.502	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.617	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.763	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.081	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.216	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.890	616.0 -> 59.0	47	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.323	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

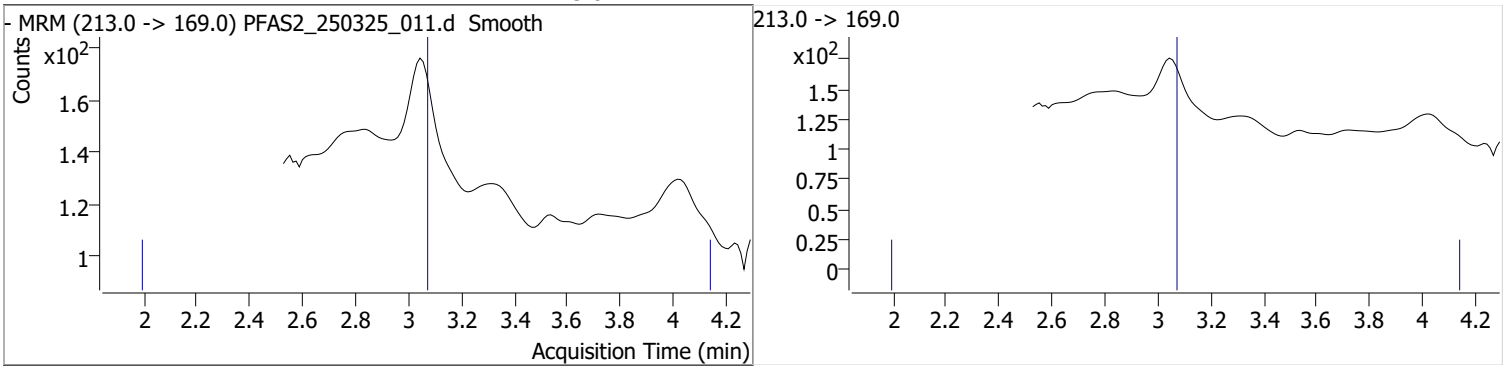
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5866	3.05	-0.01	135624				



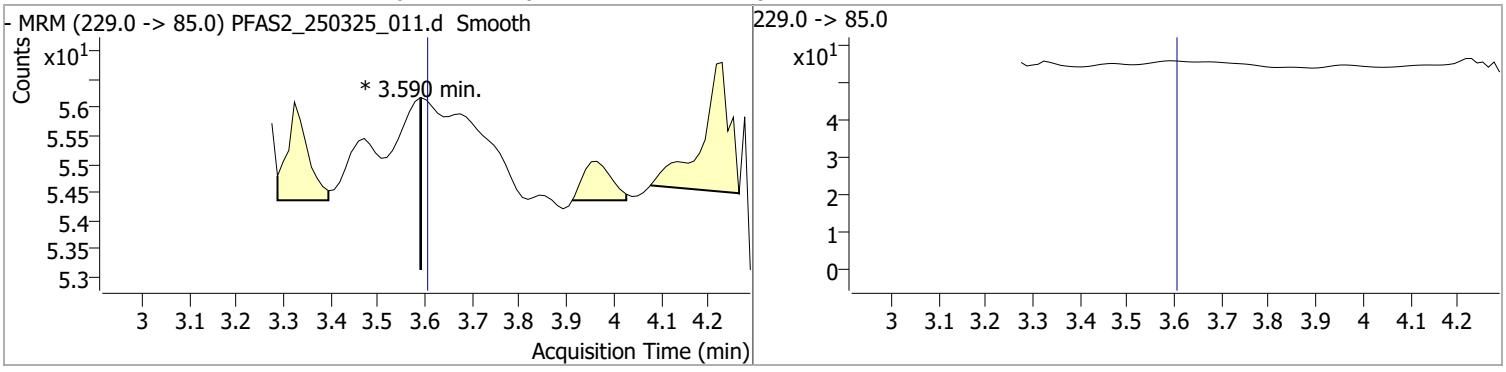
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.04	-0.02	106829				



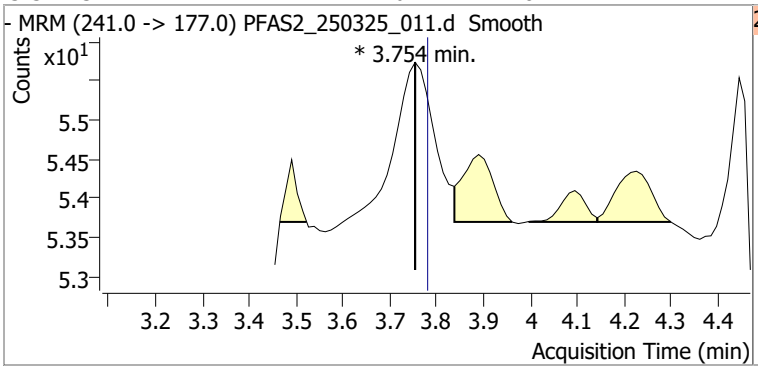
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		

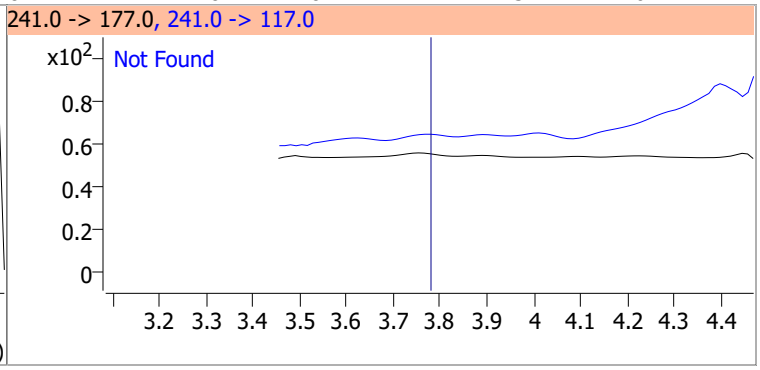


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

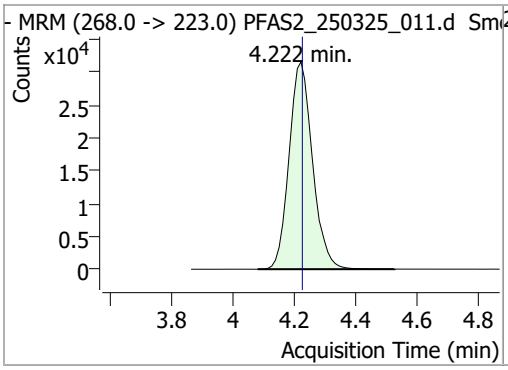


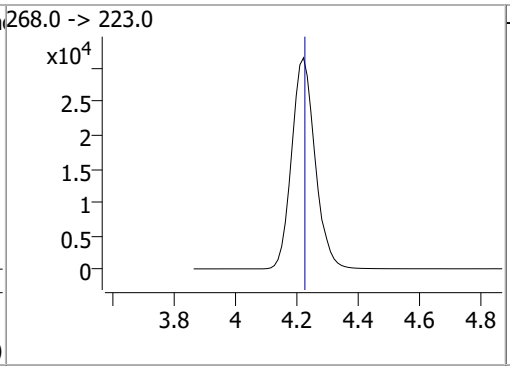
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

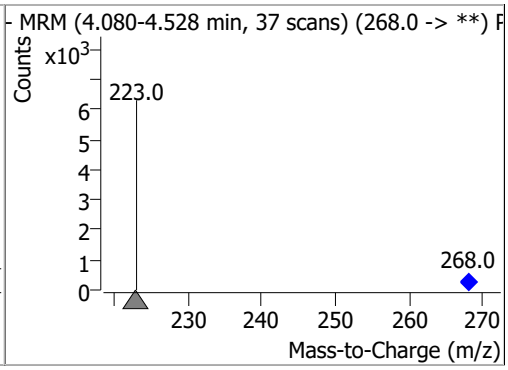




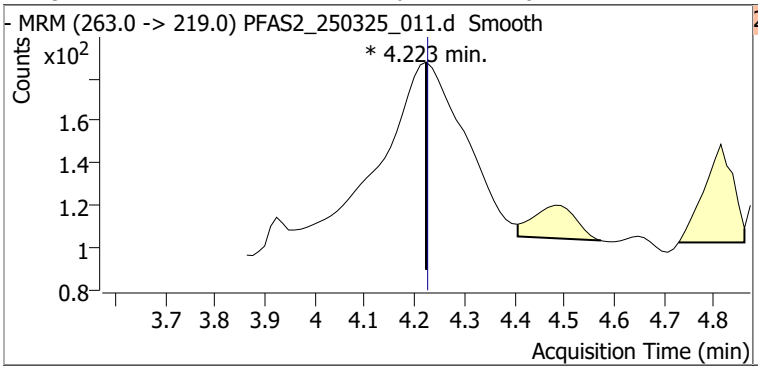
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1601	4.22	0.00	167657				

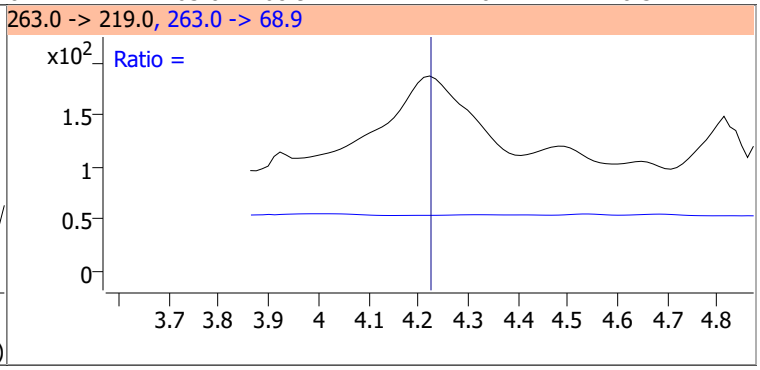




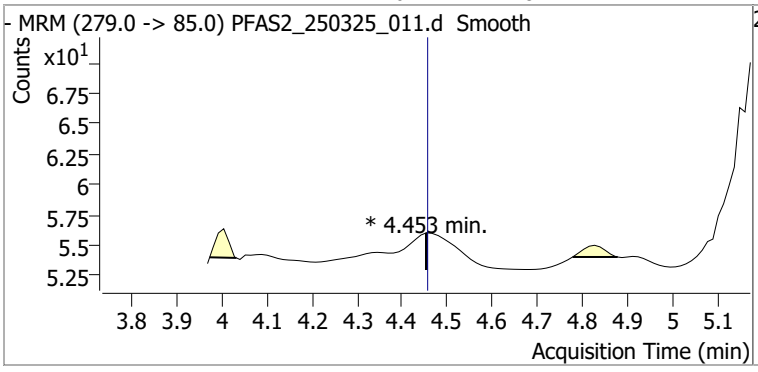


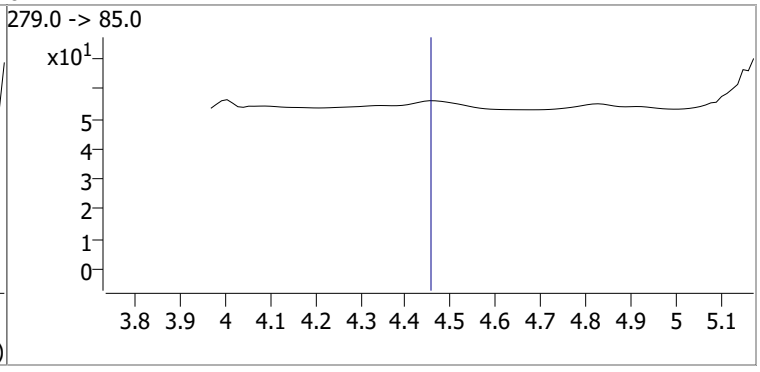
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



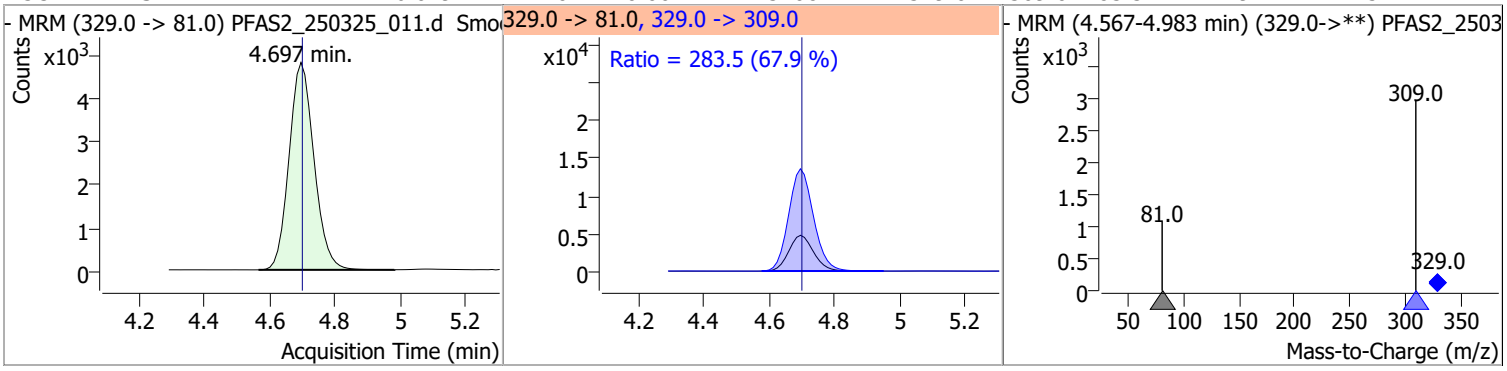


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

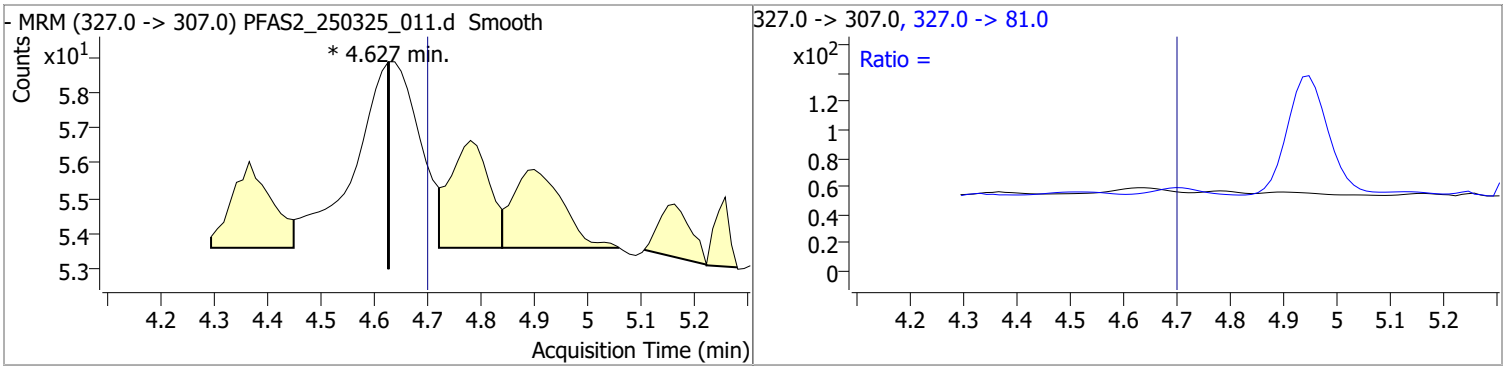




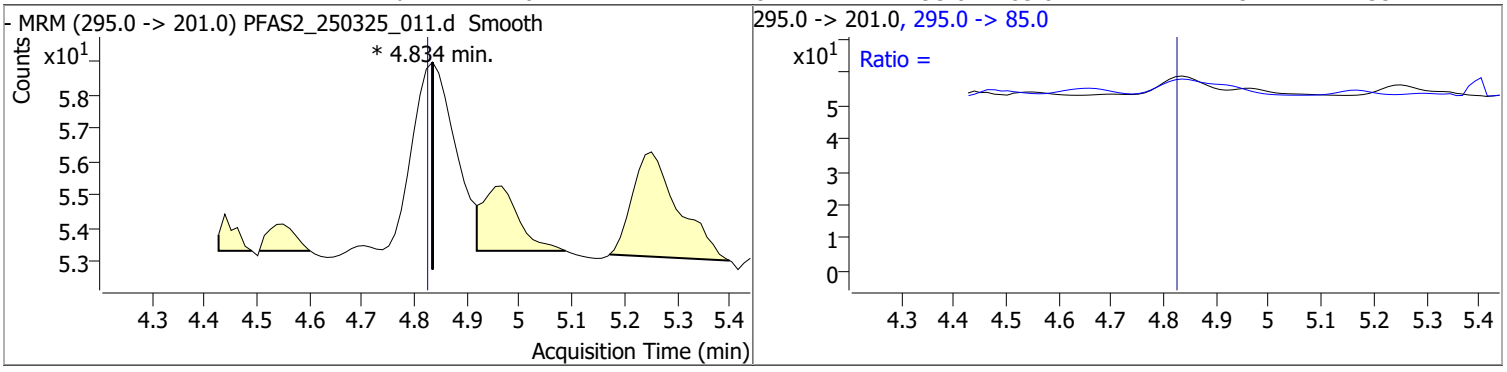
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0792	4.70	0.00	25208	329.0 -> 309.0	283.5	292.1	542.4



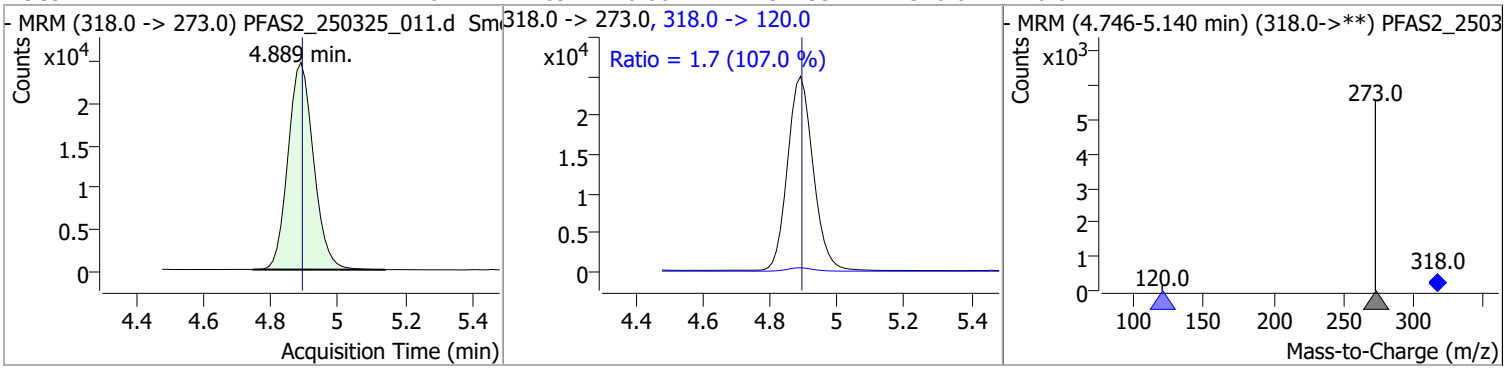
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



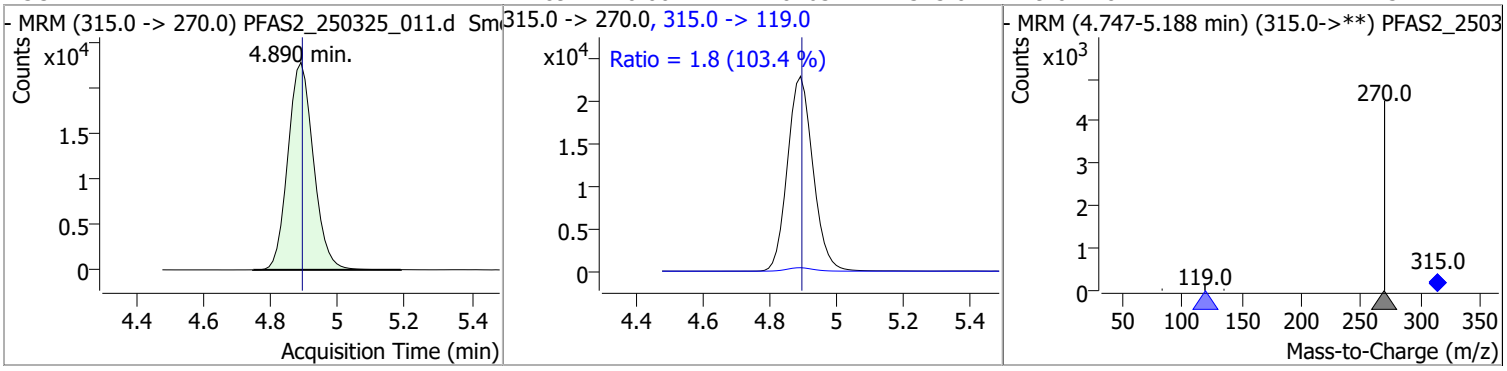
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



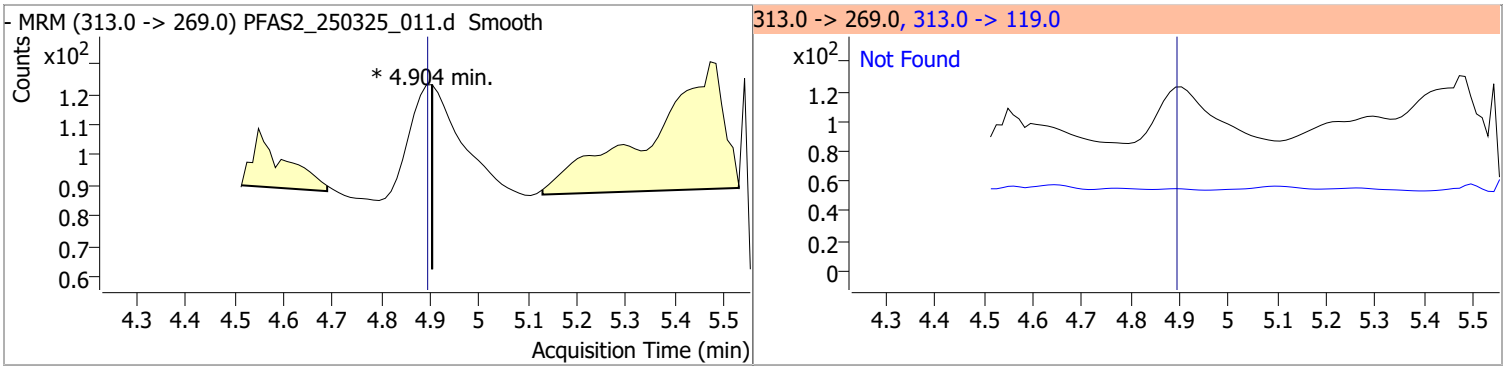
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4841	4.89	0.00	131753	318.0 -> 120.0	1.7	1.1	2.1



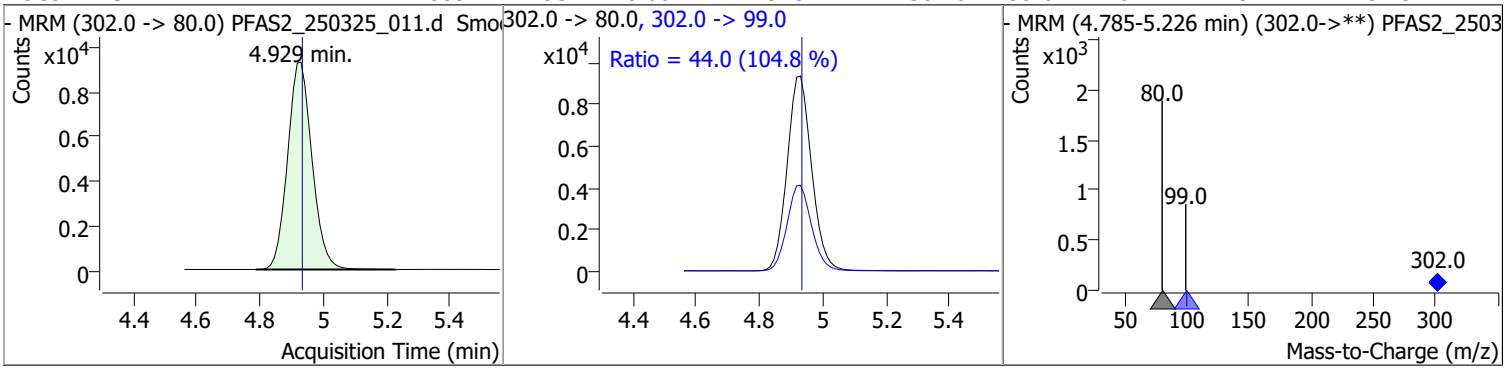
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	120463	315.0 -> 119.0	1.8	1.2	2.3



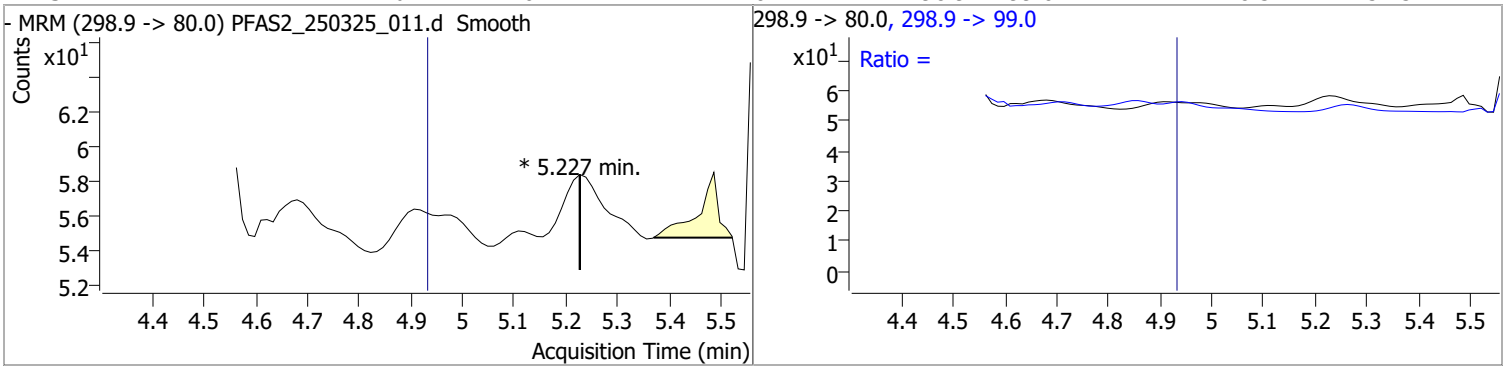
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



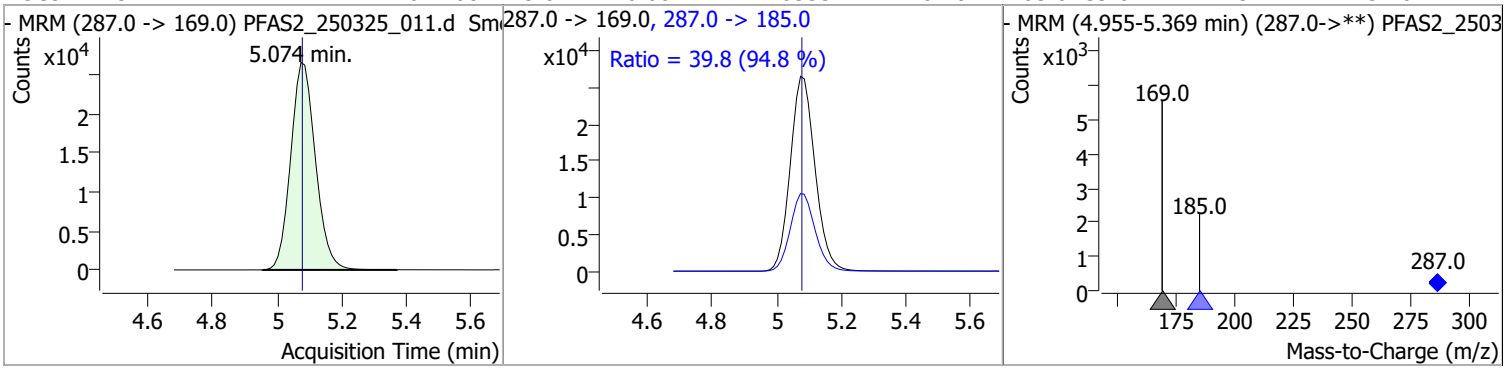
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4885	4.93	0.00	49752	302.0 -> 99.0	44.0	29.4	54.5



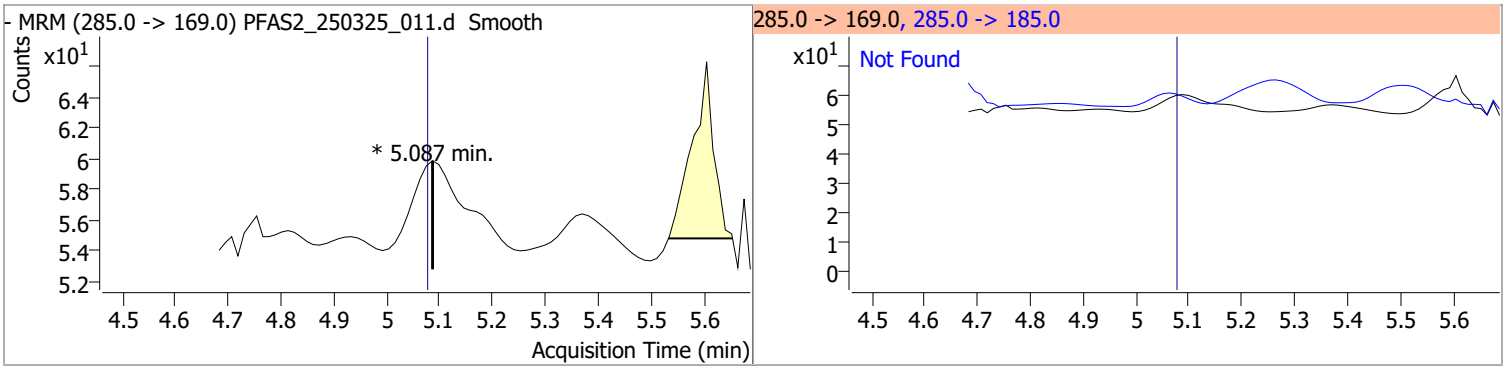
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



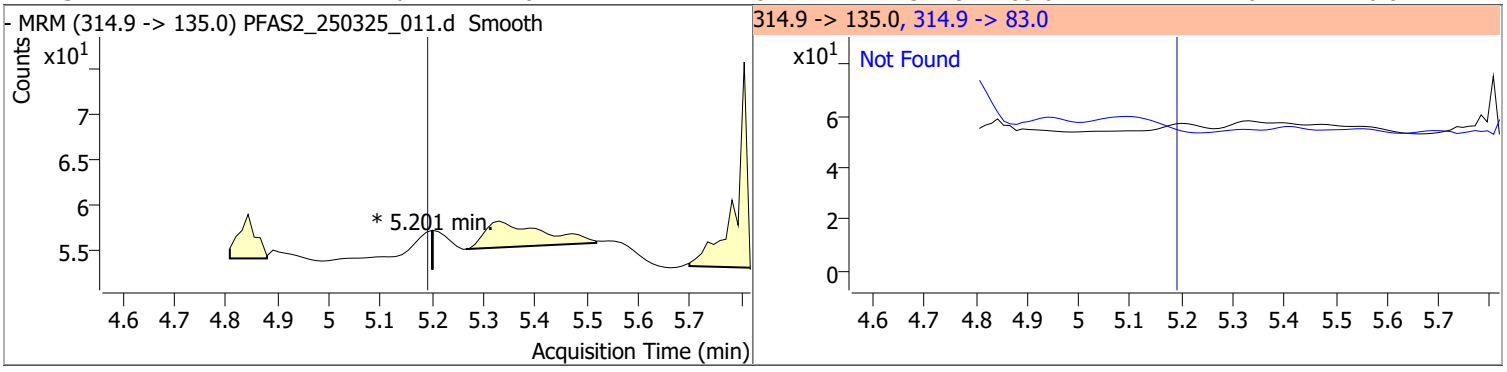
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2408	5.07	0.00	140533	287.0 -> 185.0	39.8	29.4	54.6



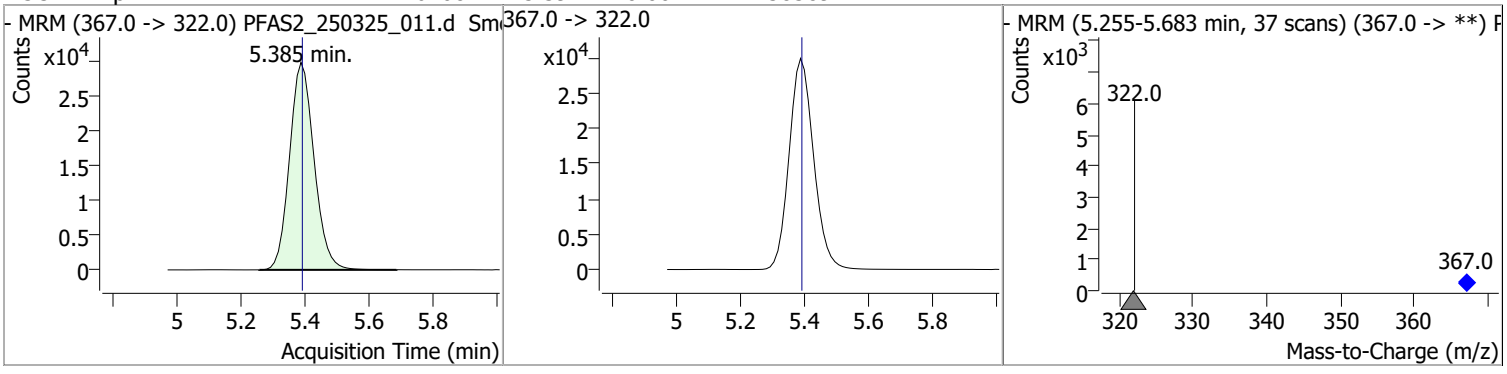
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



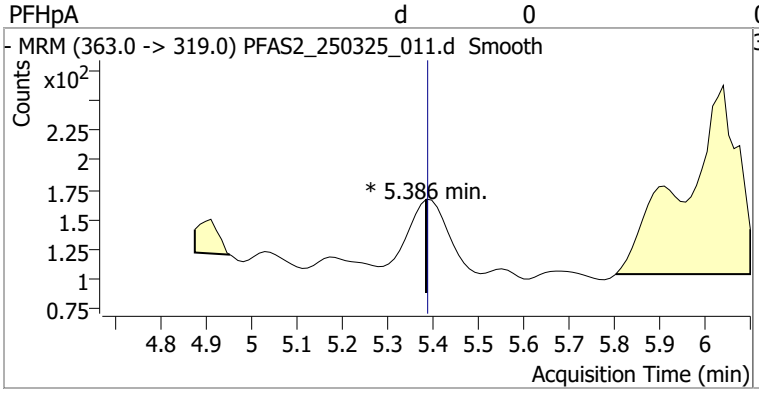
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

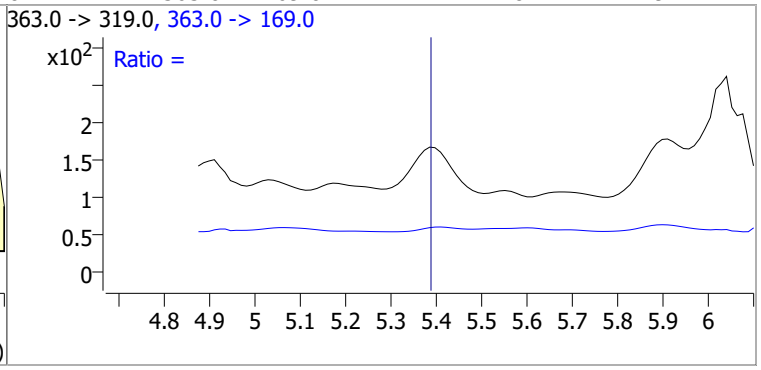


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6708	5.39	0.00	158389				

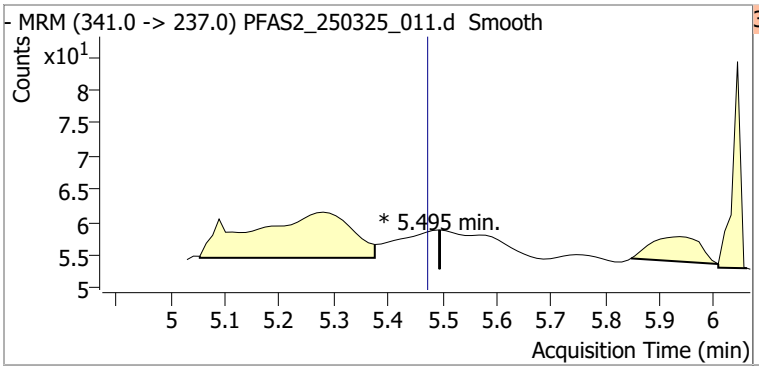


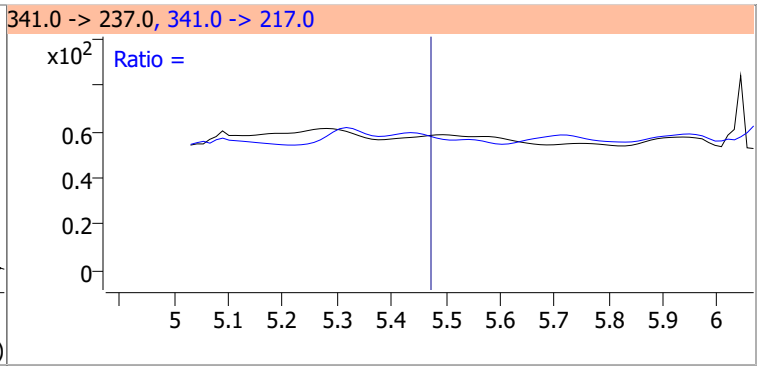
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



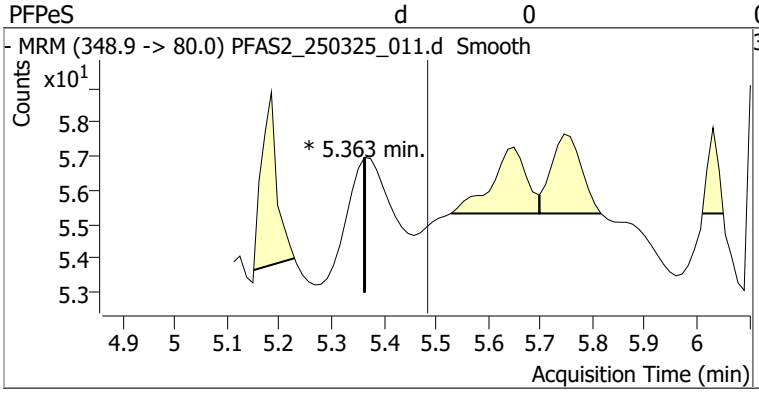


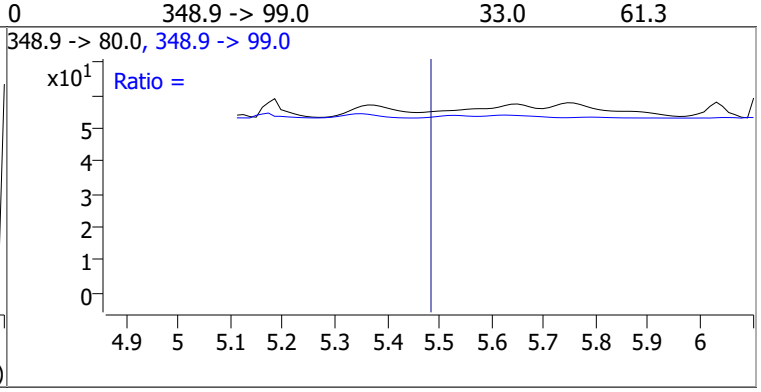
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



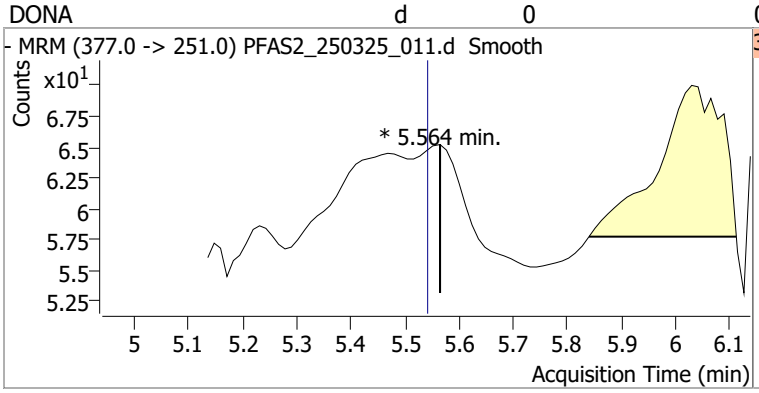


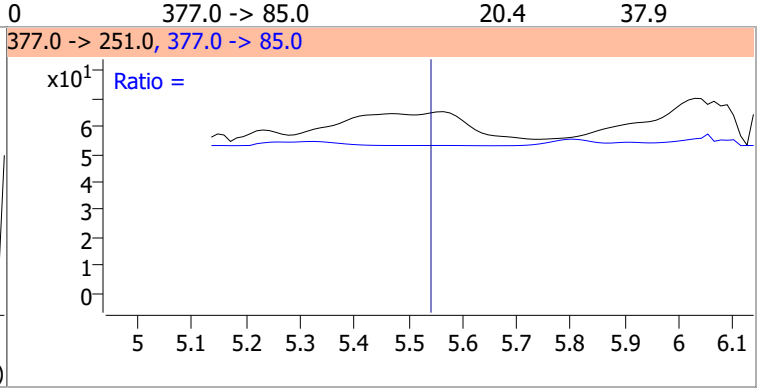
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



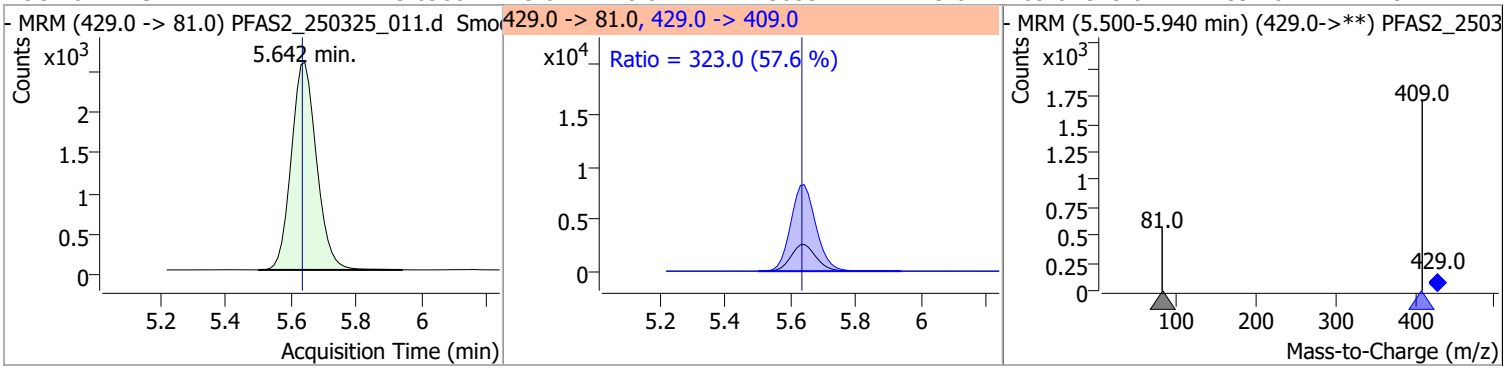


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

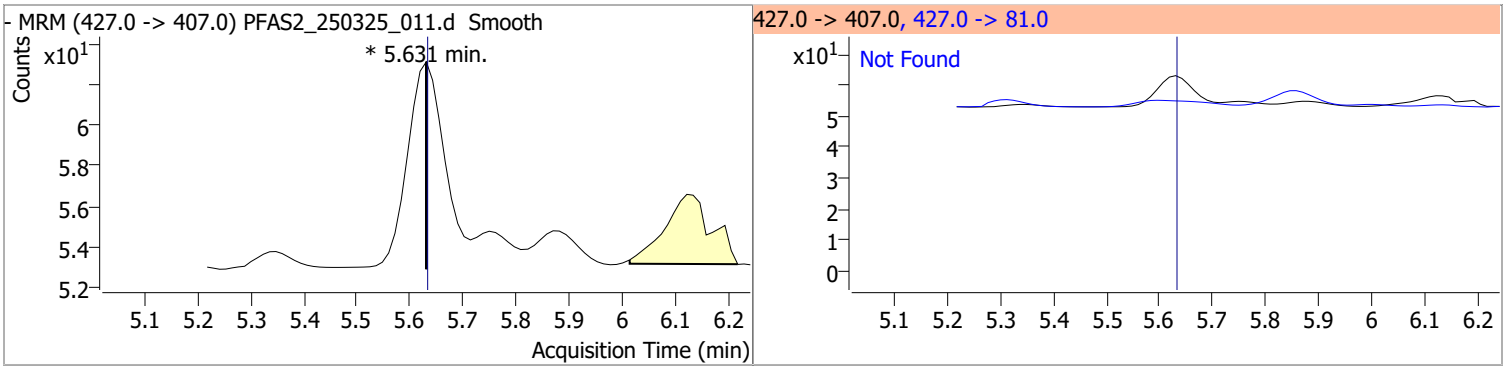




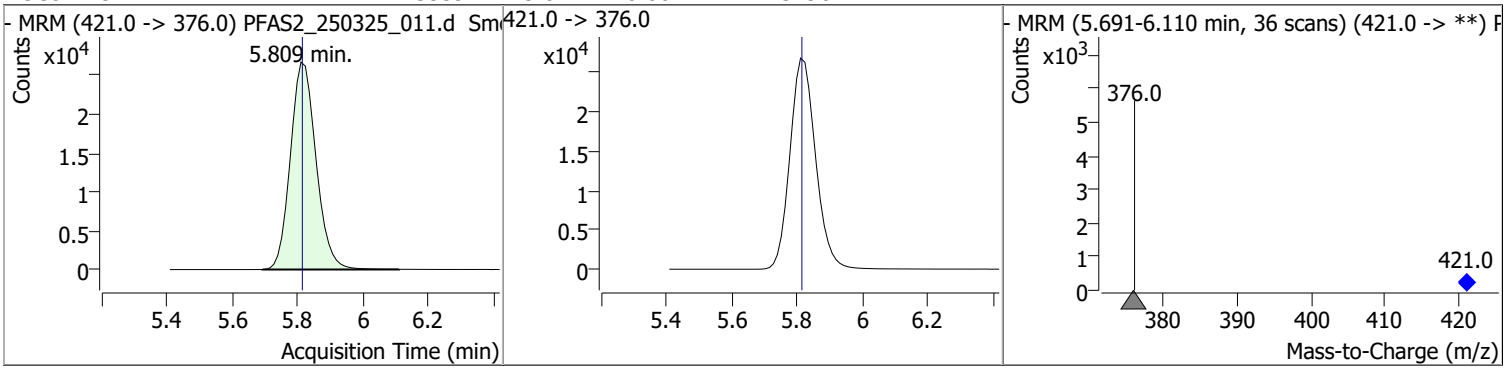
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6980	5.64	0.01	13853	429.0 -> 409.0	323.0	392.8	729.4



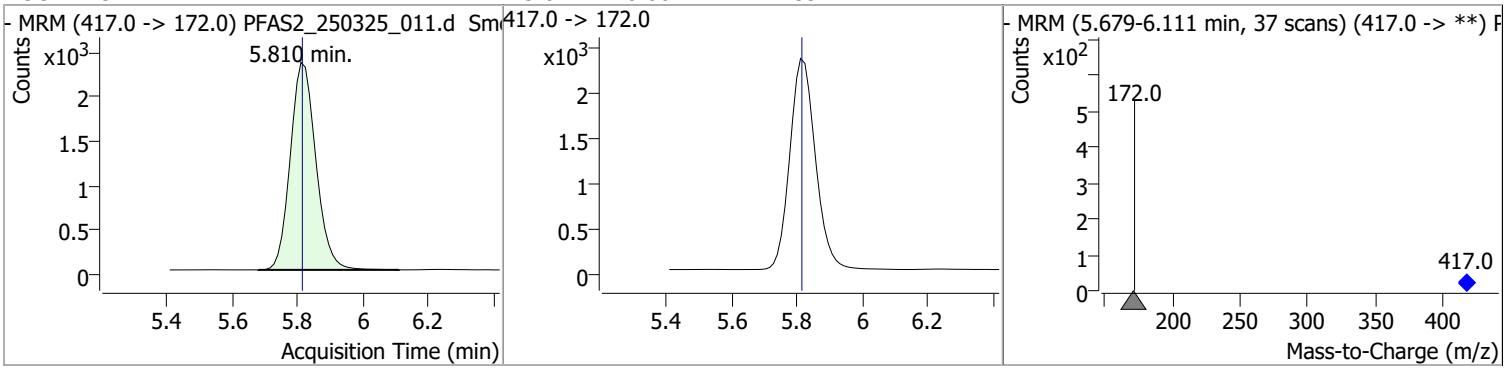
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



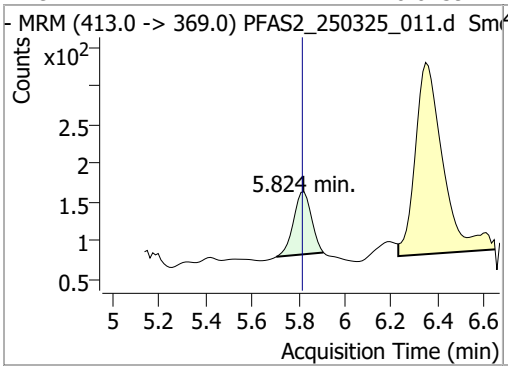
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5539	5.81	0.00	145490				

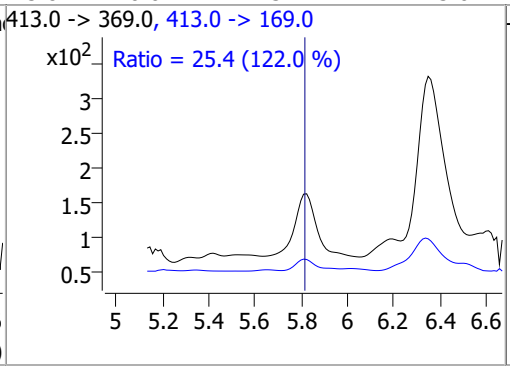


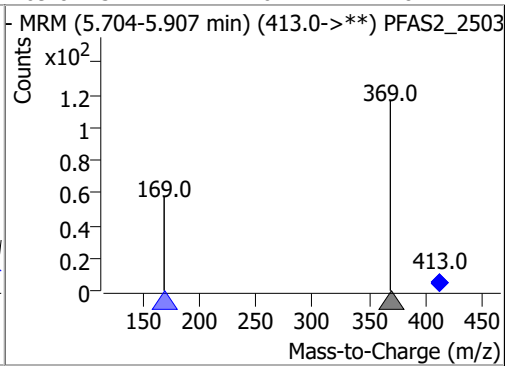
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	12739				



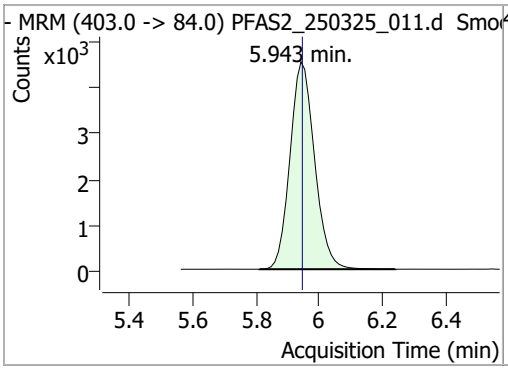
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0439	5.82	0.01	437	413.0 -> 169.0	25.4	14.6	27.0

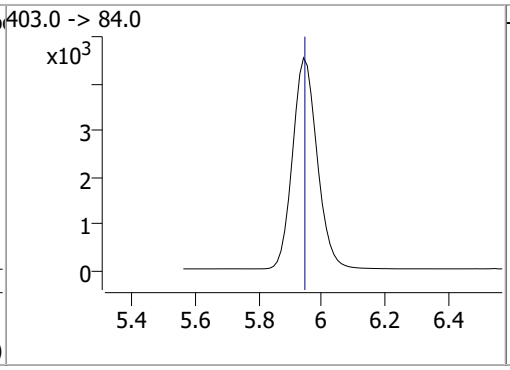


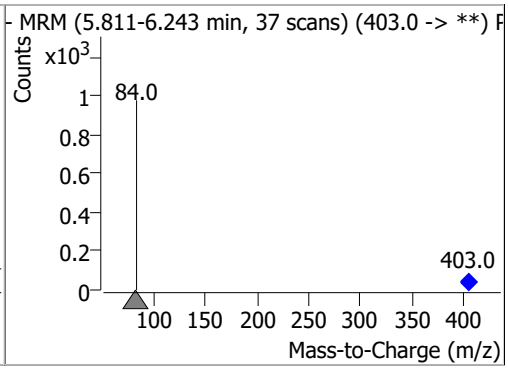




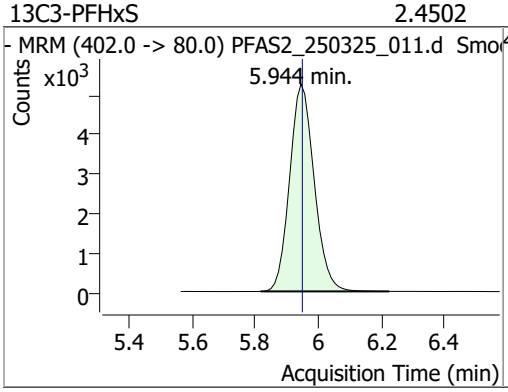
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	24414				

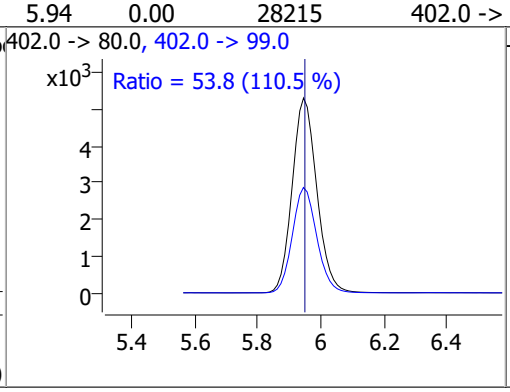


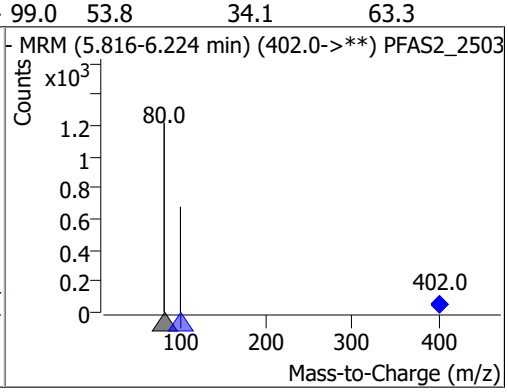




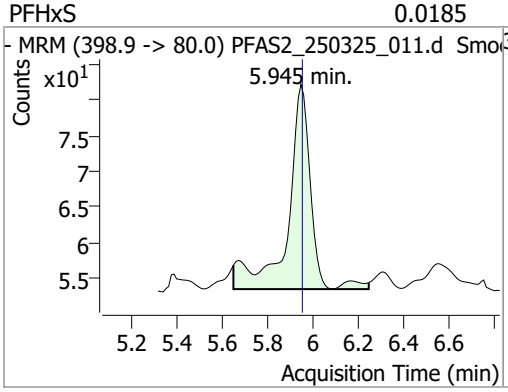
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4502	5.94	0.00	28215	402.0 -> 99.0	53.8	34.1	63.3

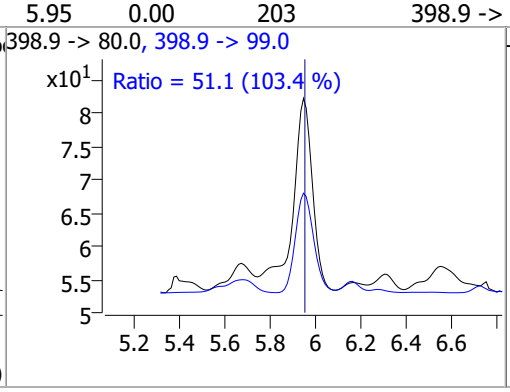


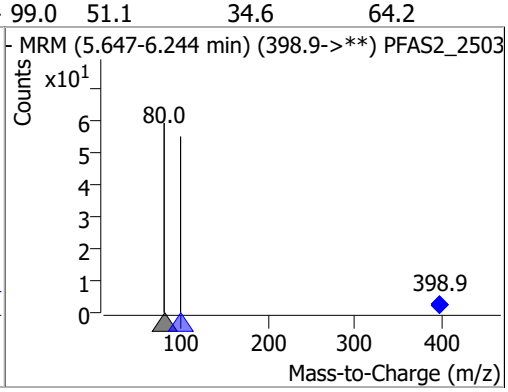




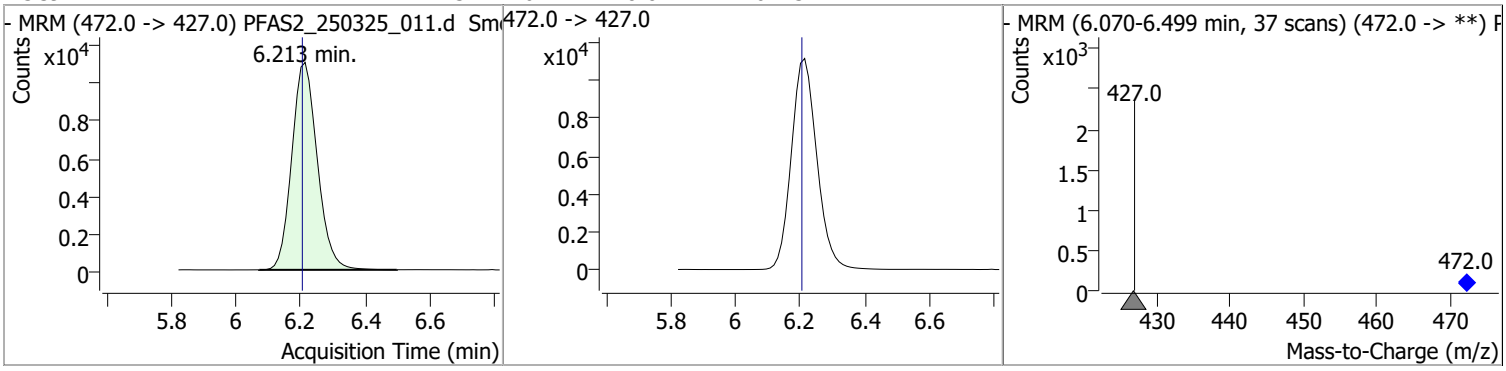
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0185	5.95	0.00	203	398.9 -> 99.0	51.1	34.6	64.2



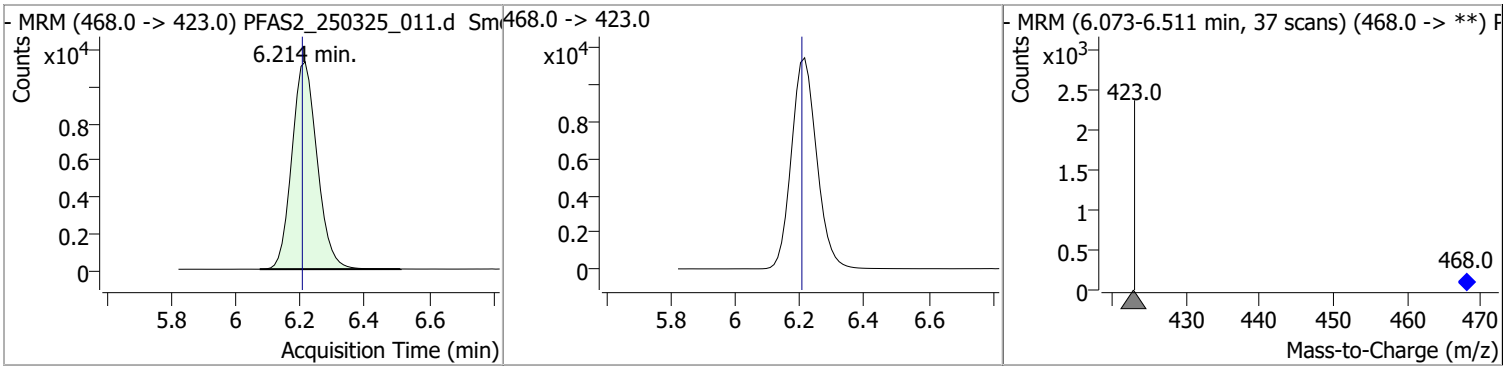




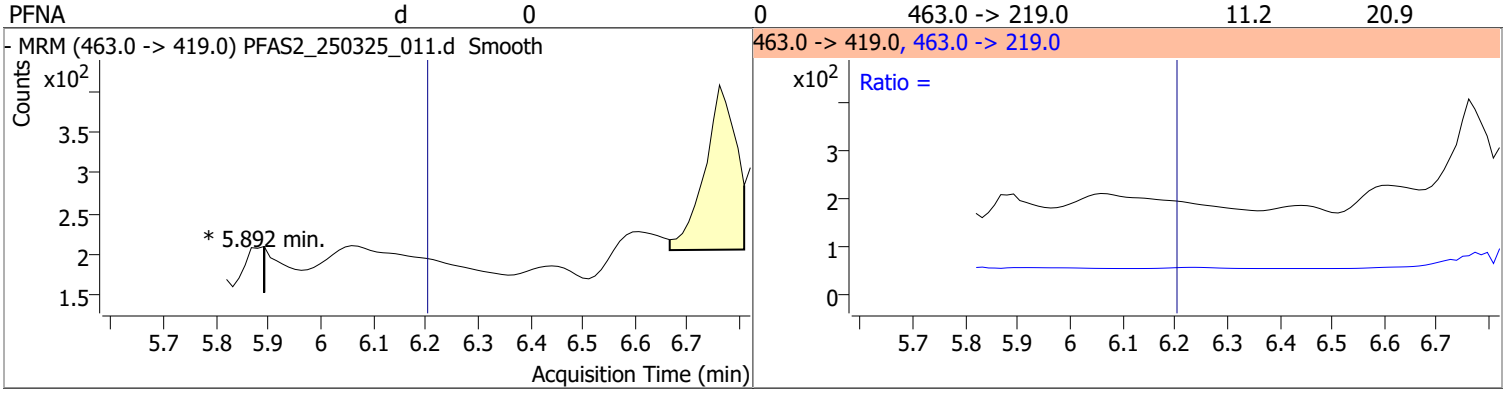
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2473	6.21	0.01	61134				



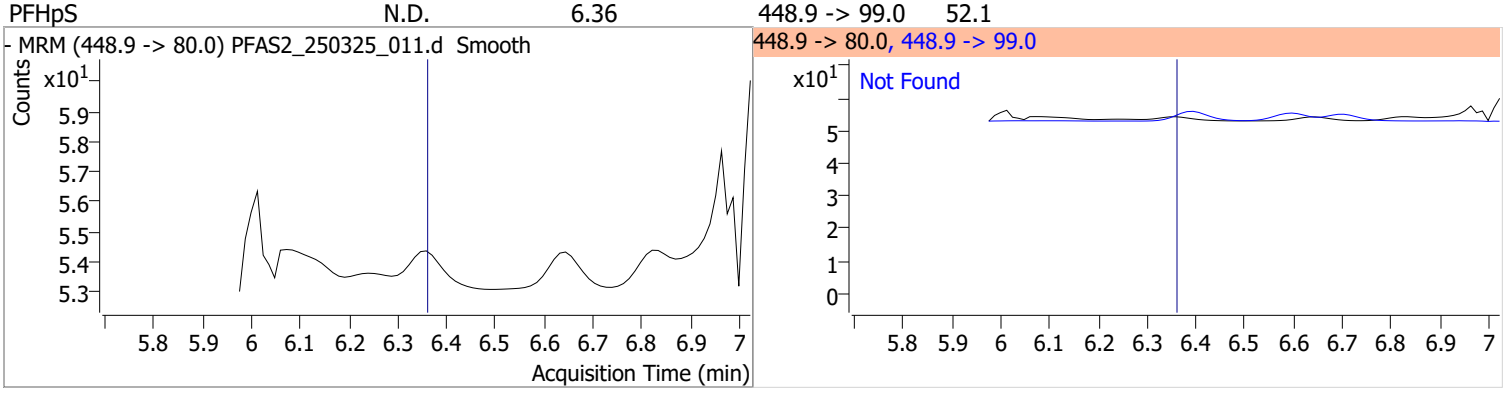
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	61855				



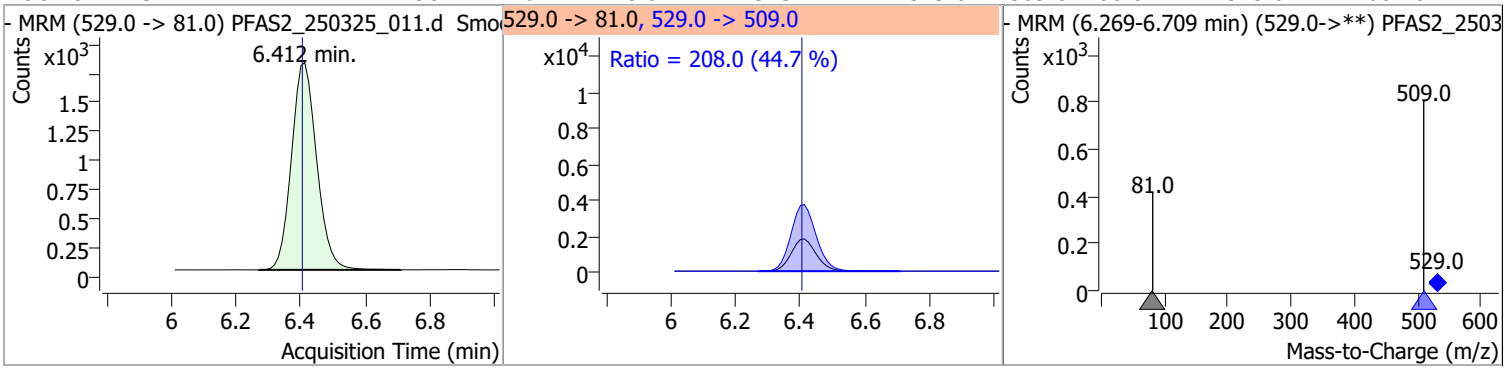
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9



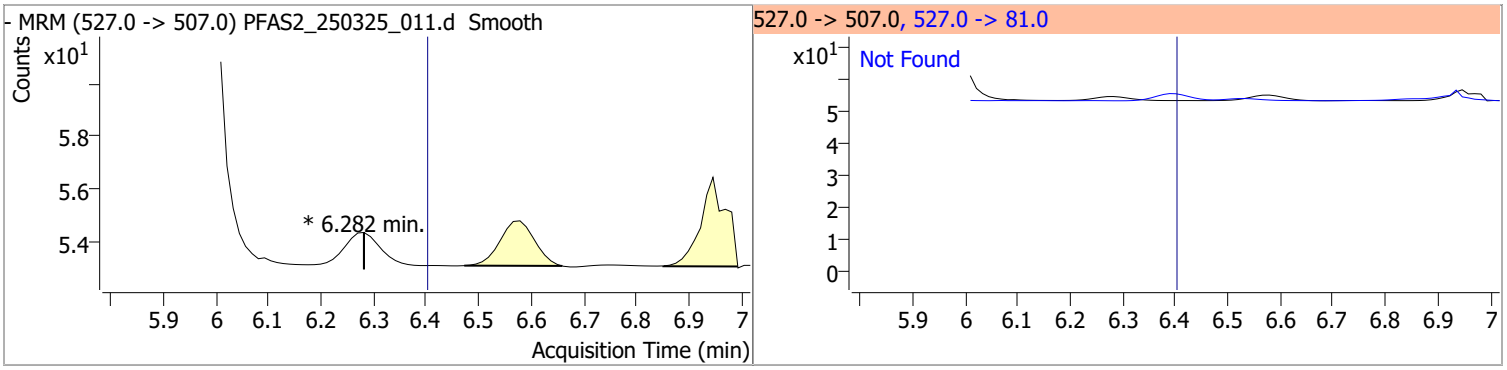
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



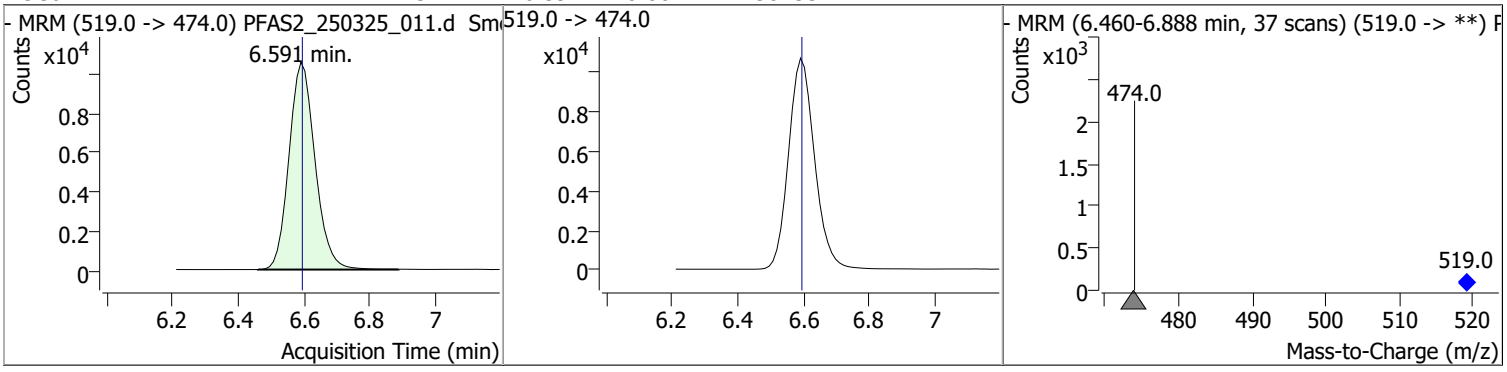
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9814	6.41	0.01	9737	529.0 -> 509.0	208.0	325.6	604.6



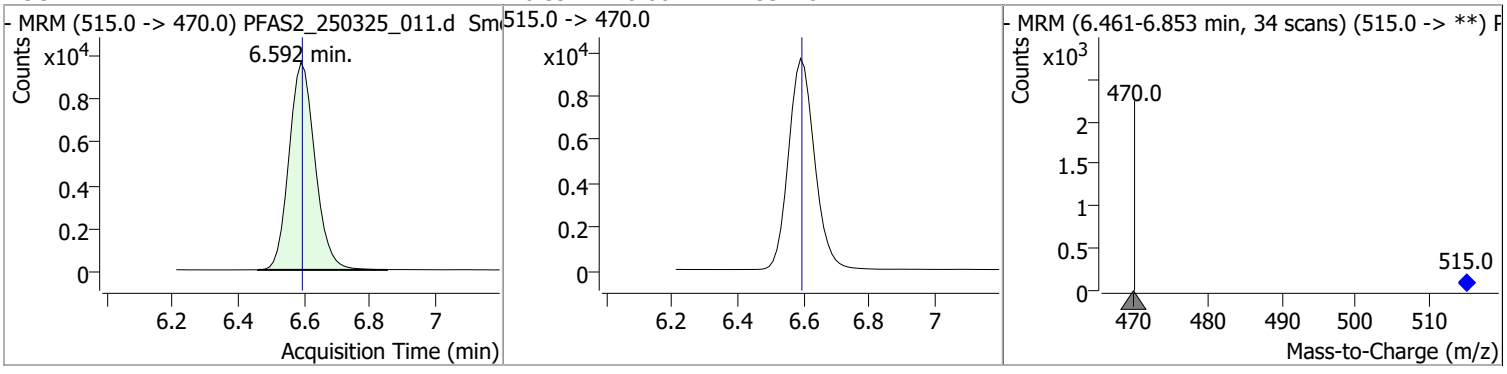
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



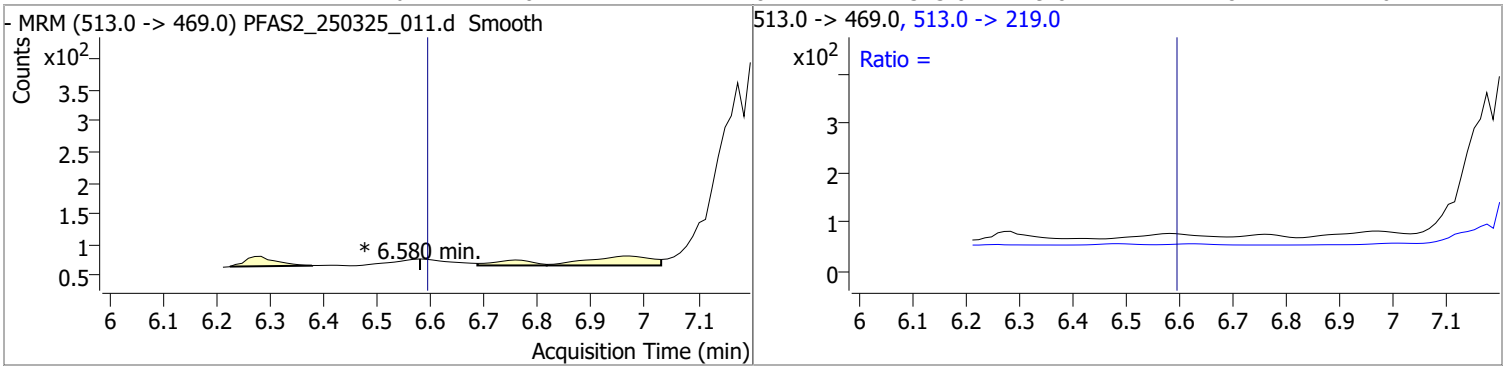
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3414	6.59	0.00	58155				



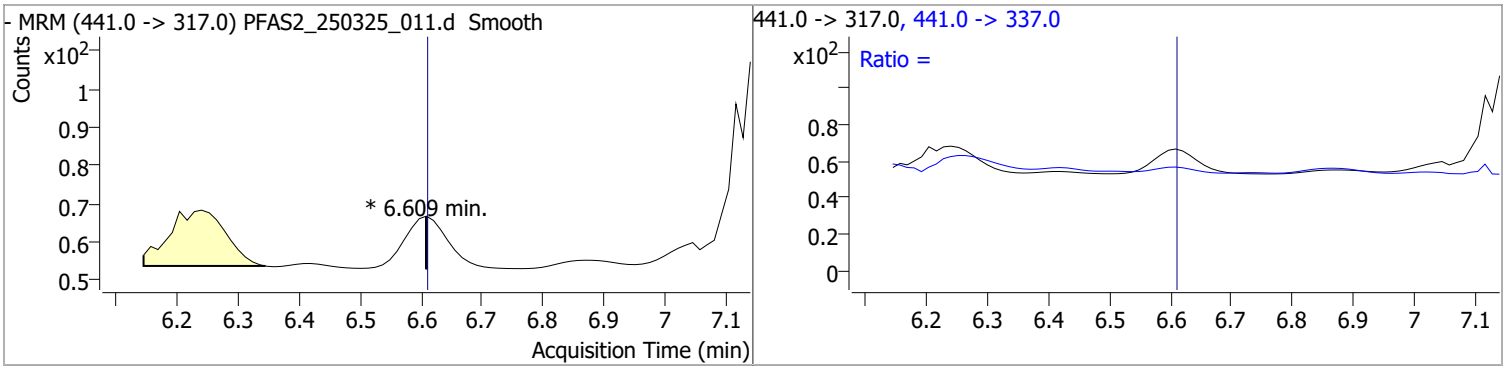
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	53278				



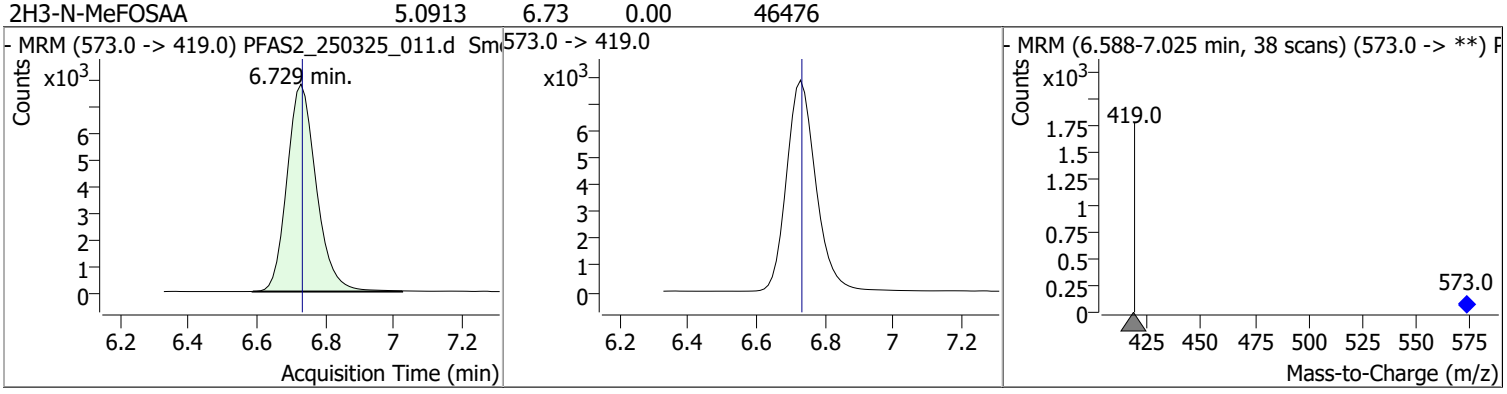
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



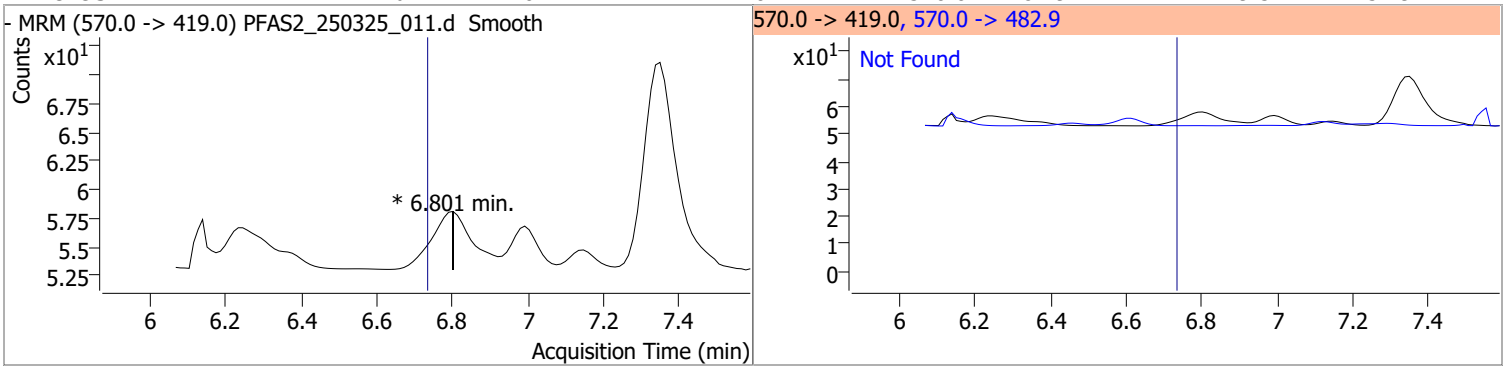
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



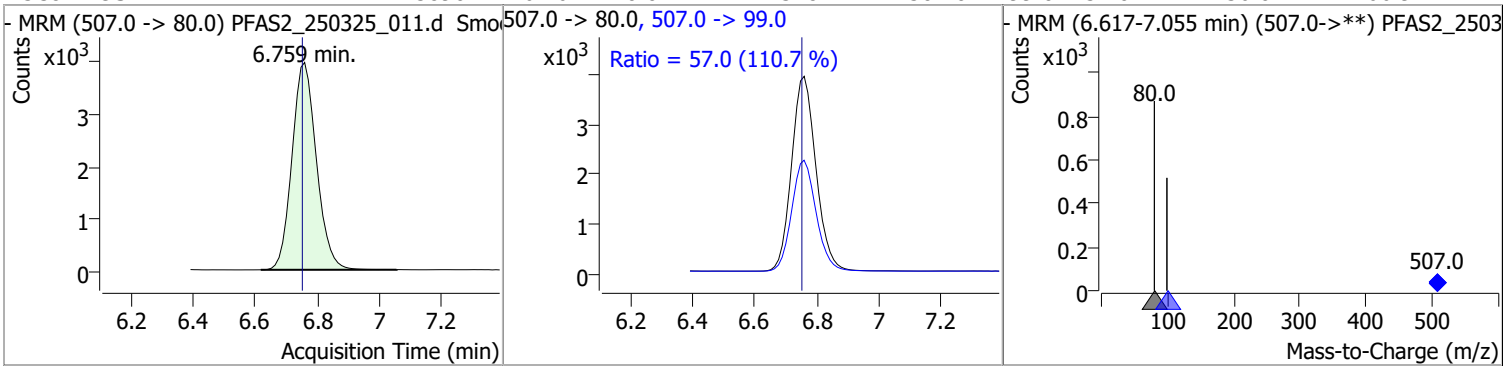
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0913	6.73	0.00	46476				



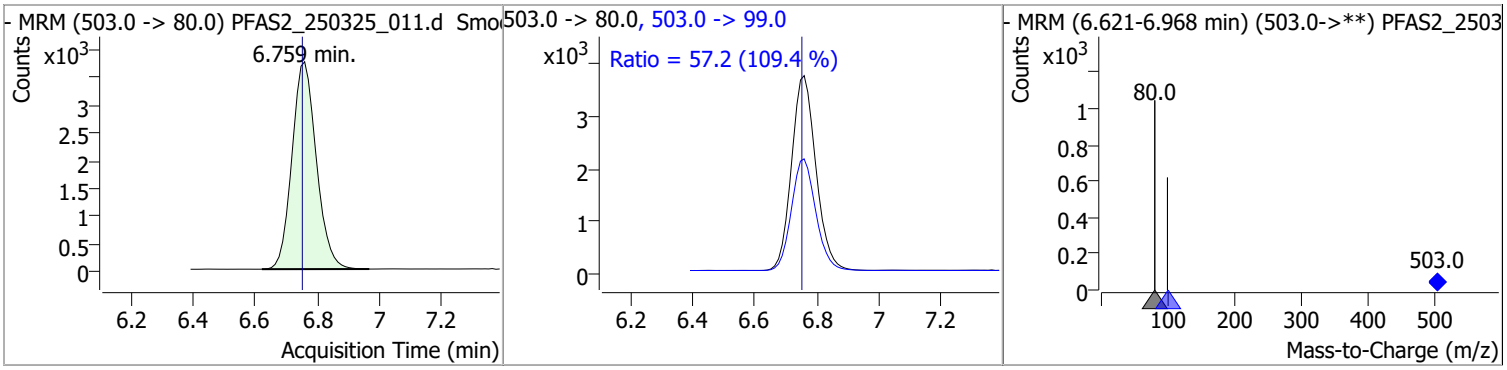
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



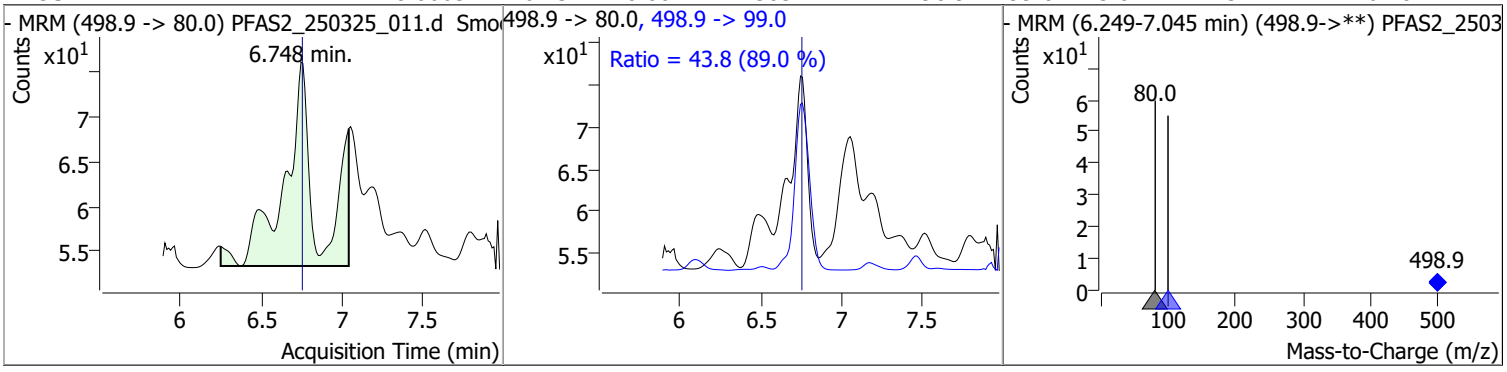
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5890	6.76	0.01	21378	507.0 -> 99.0	57.0	36.0	66.9



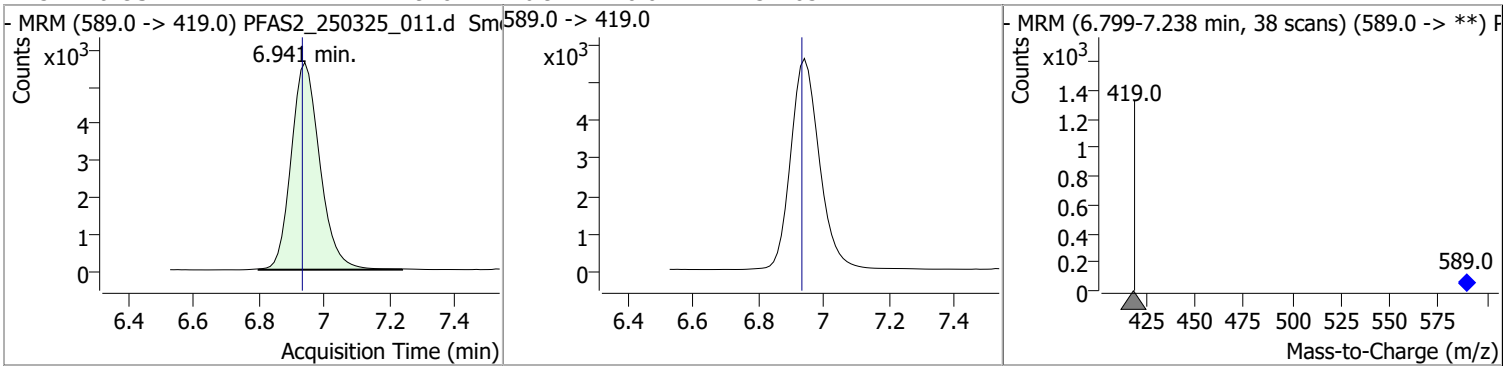
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	20345	503.0 -> 99.0	57.2	36.6	67.9



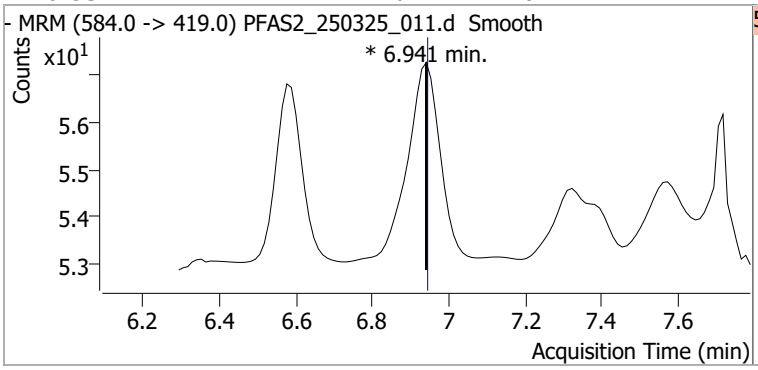
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0663	6.75	0.00	303	498.9 -> 99.0	43.8	34.4	64.0

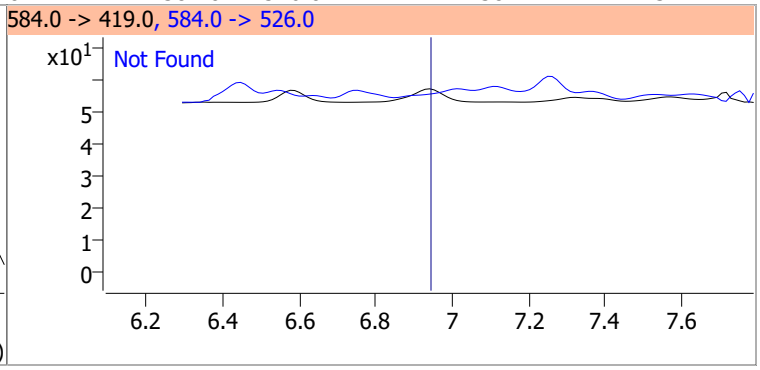


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9482	6.94	0.01	34103				

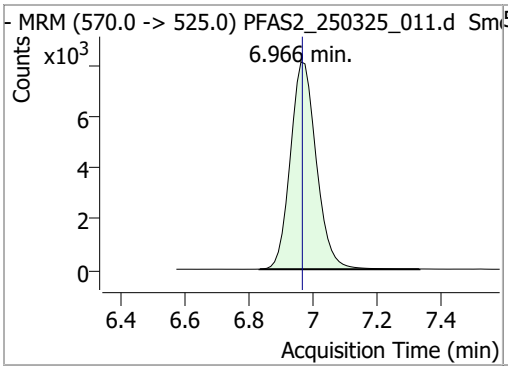


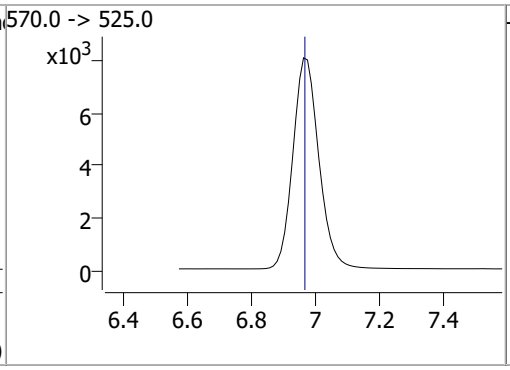
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

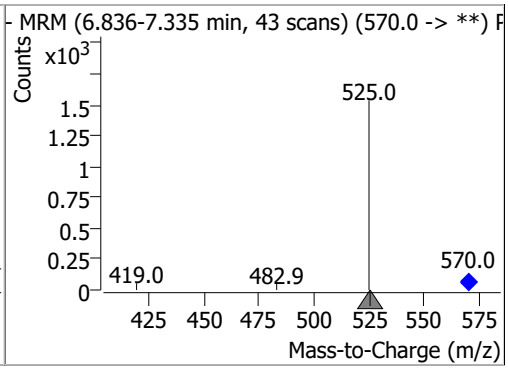




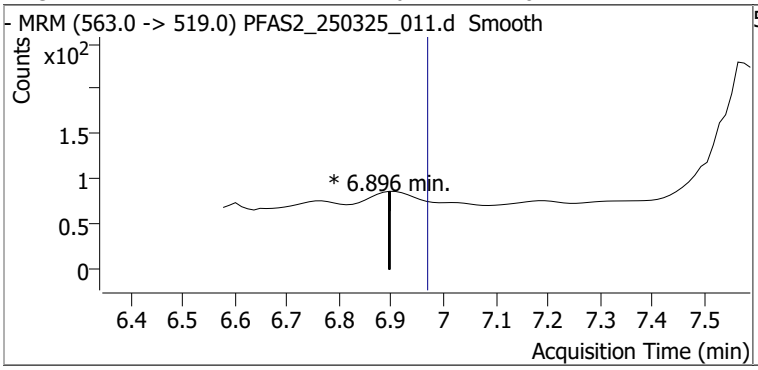
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3342	6.97	0.00	45585				

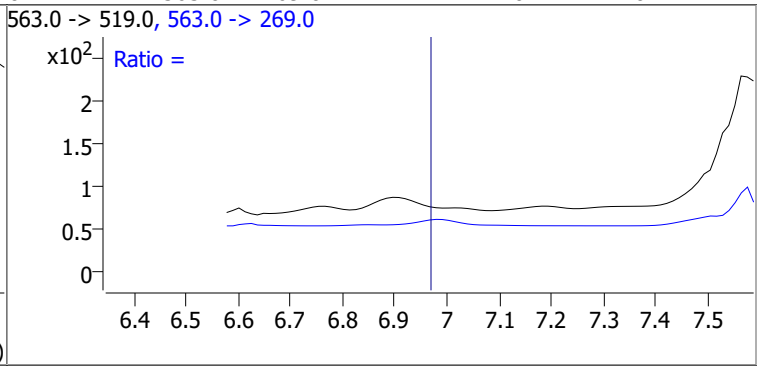




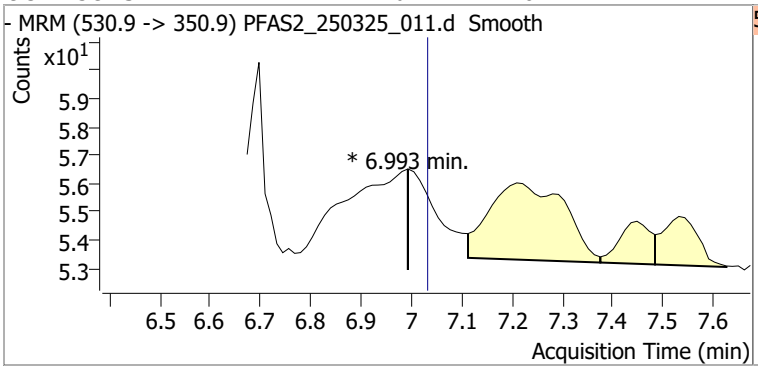


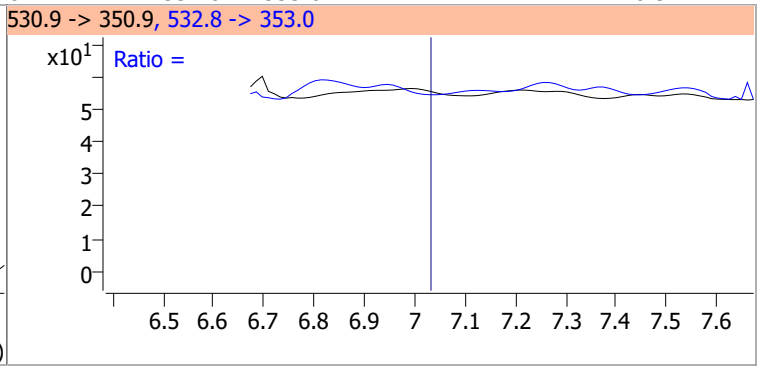
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



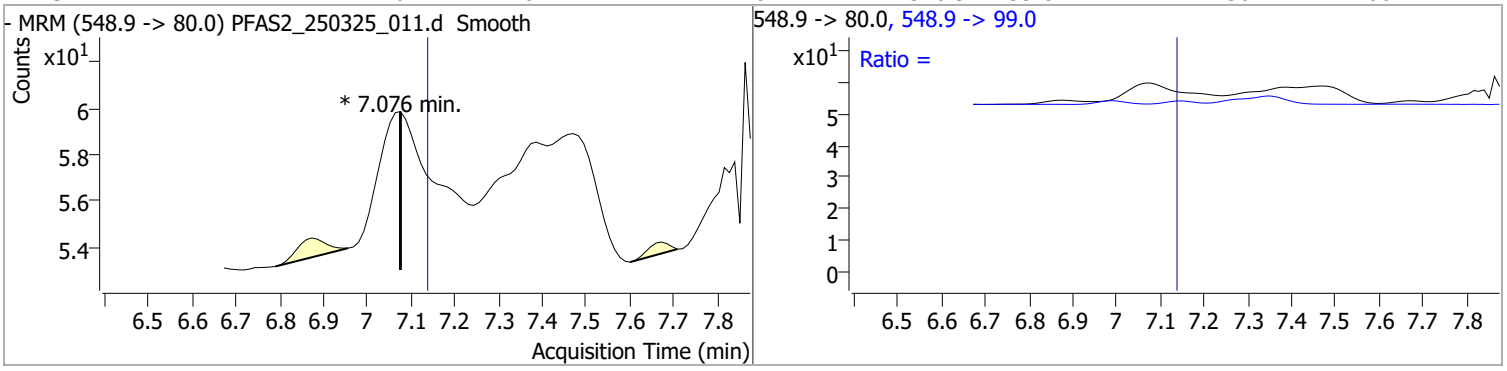


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

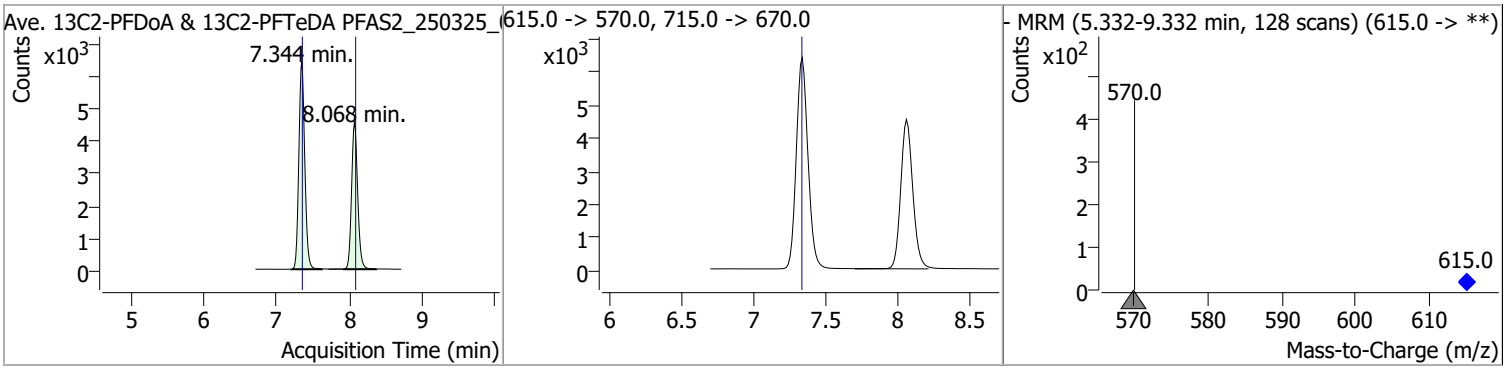




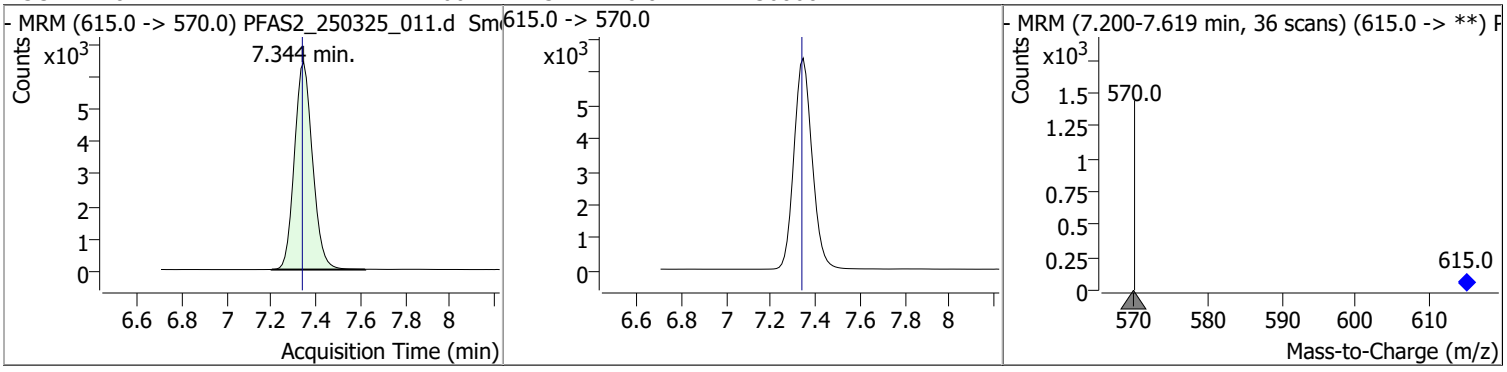
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



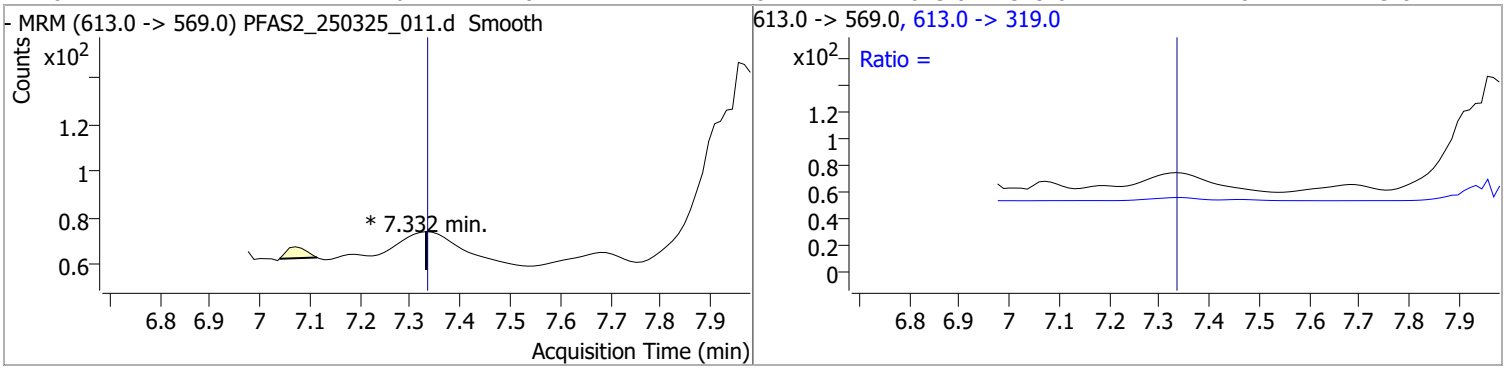
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1087	7.71	0.37	31224				



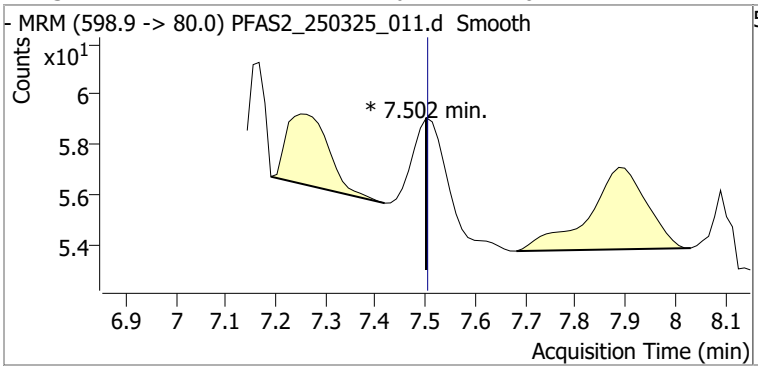
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4166	7.34	0.01	36060				

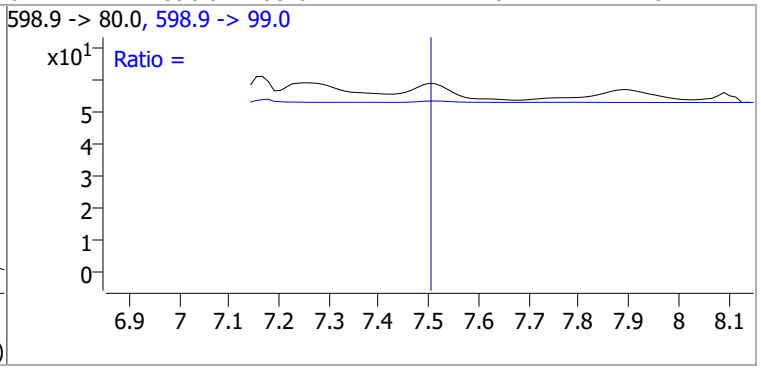


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

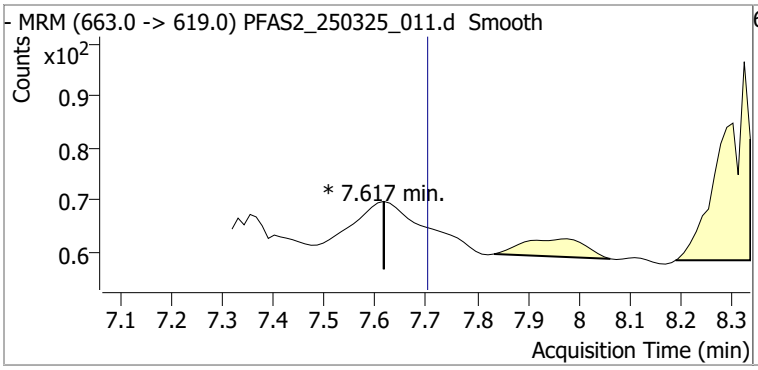


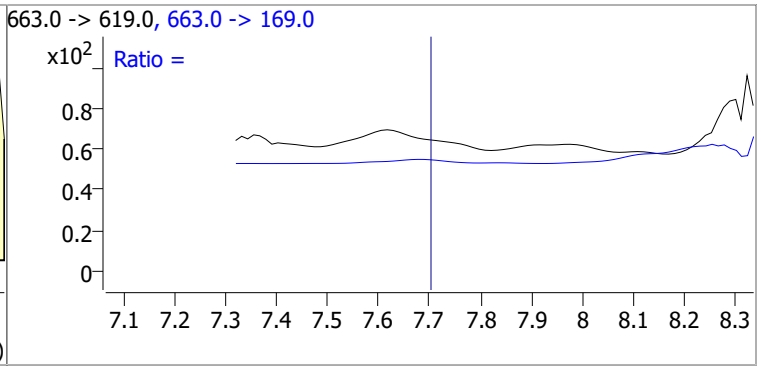
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



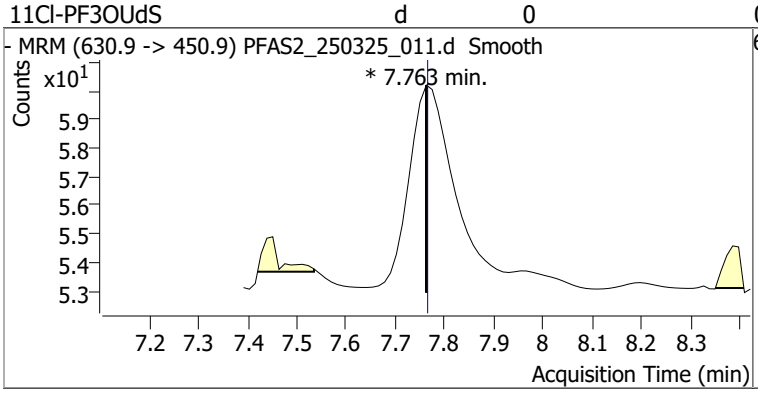


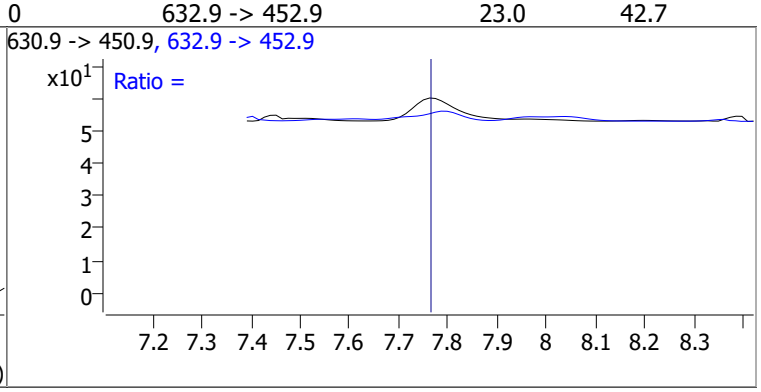
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



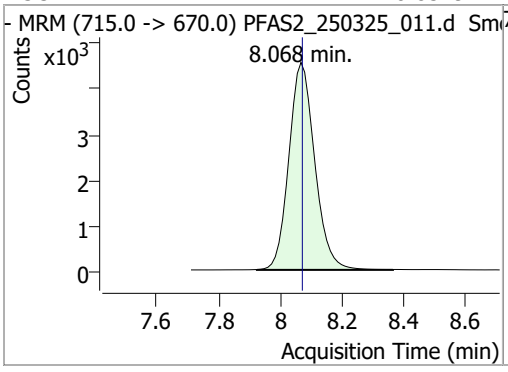


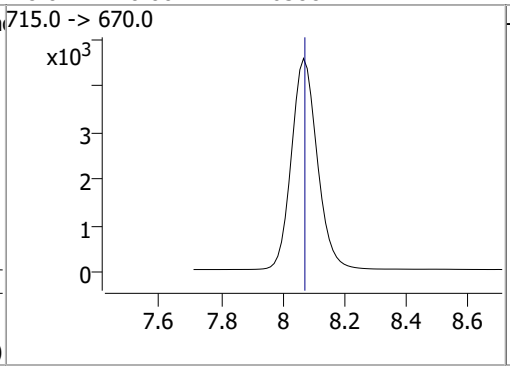
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

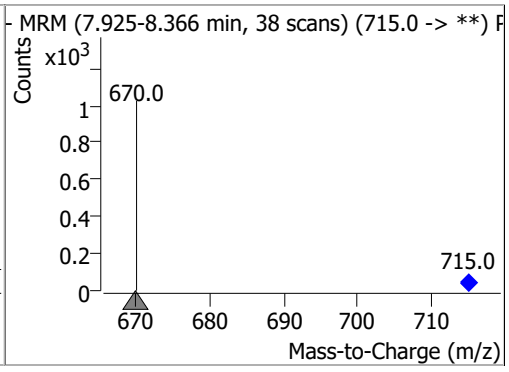




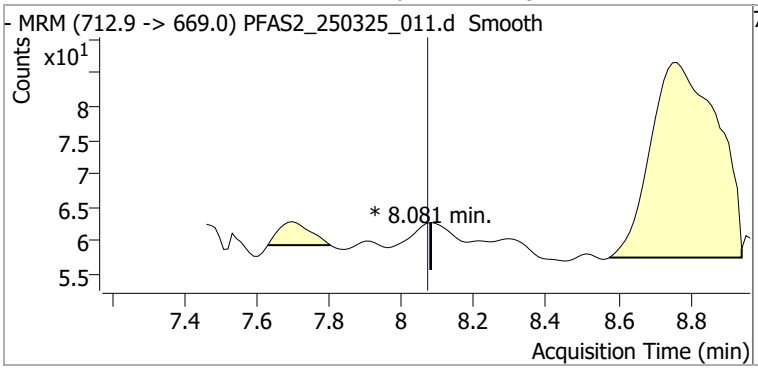
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8549	8.07	0.00	26388				

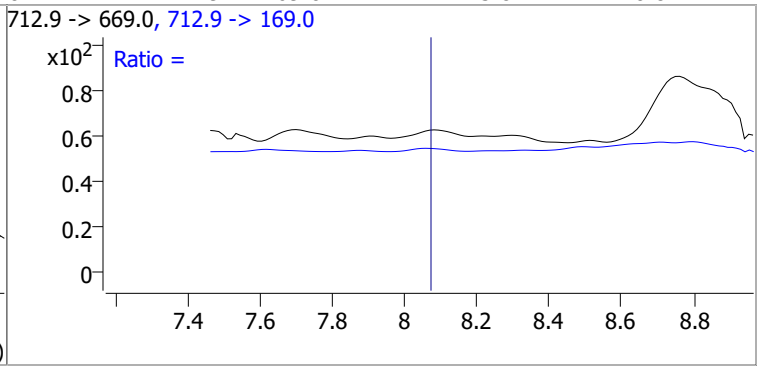




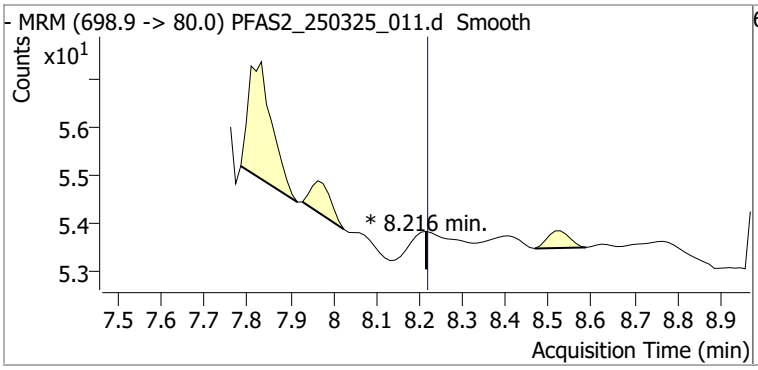


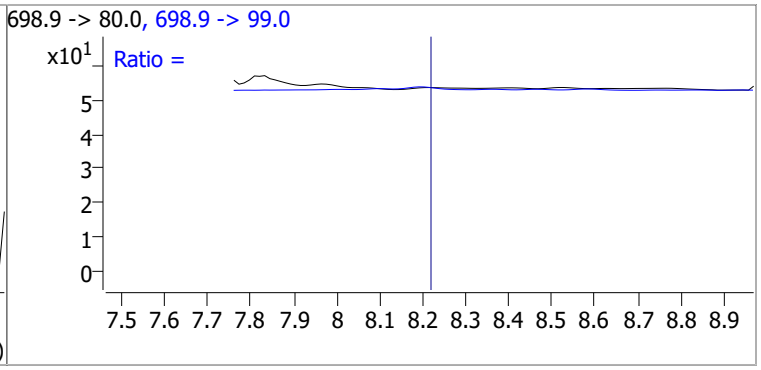
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



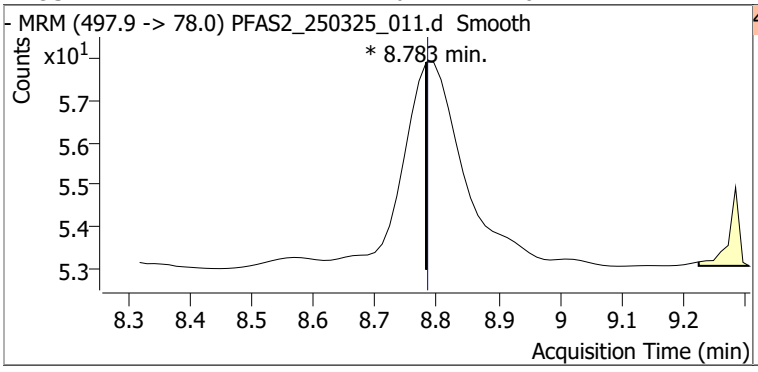


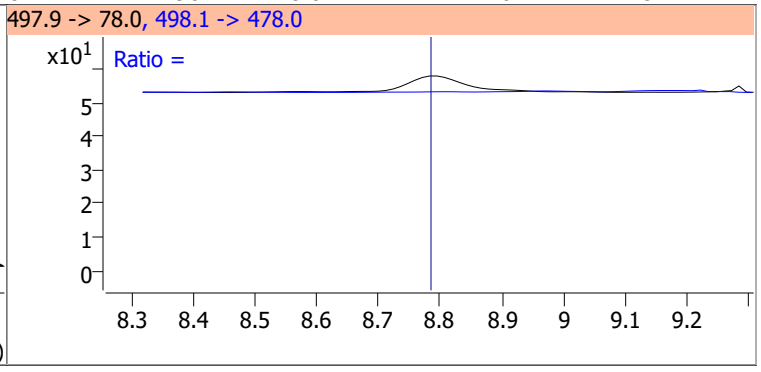
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



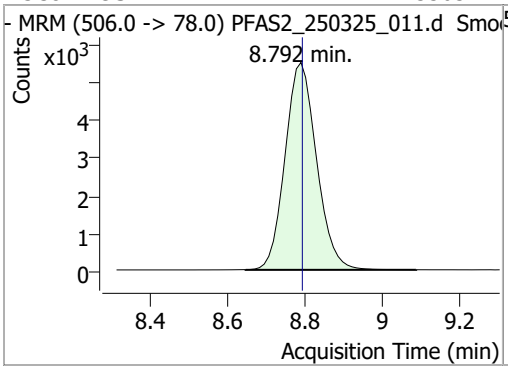


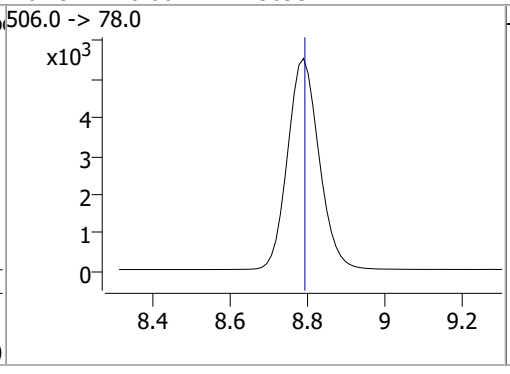
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

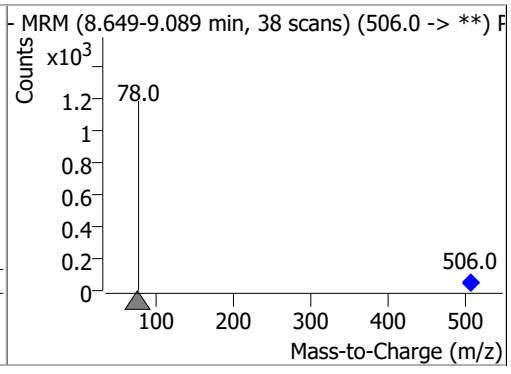




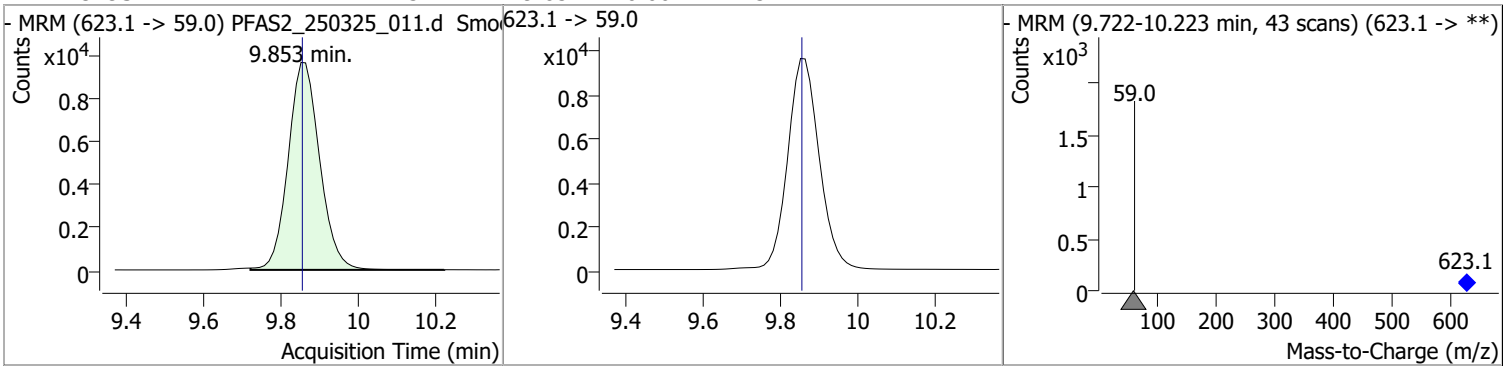
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5565	8.79	0.00	30934				



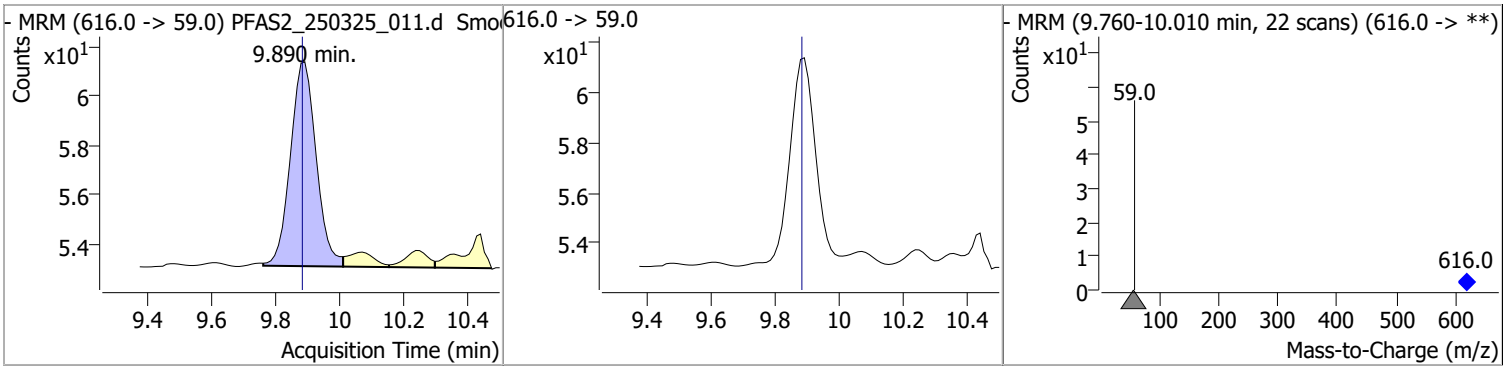




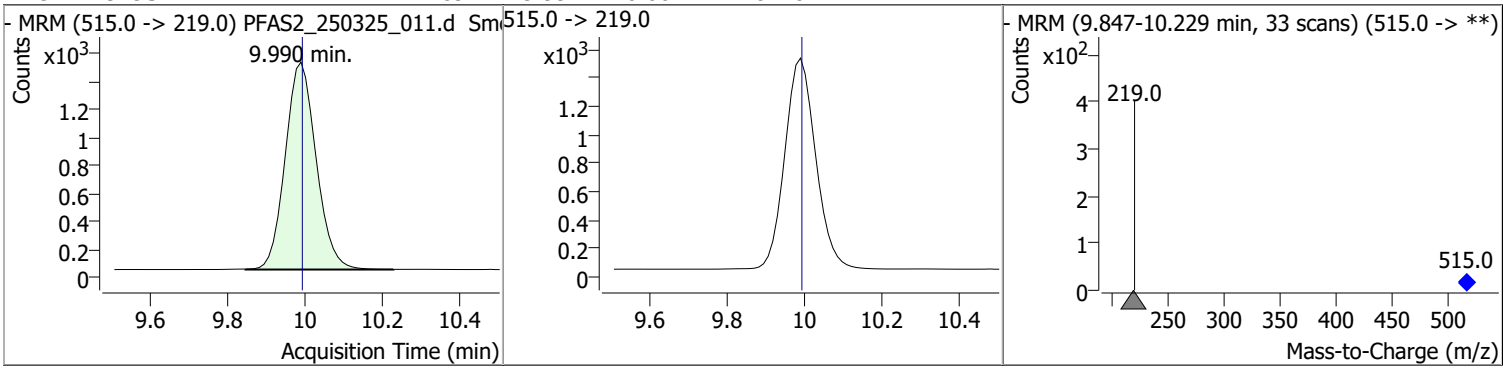
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.2742	9.85	0.00	54447				



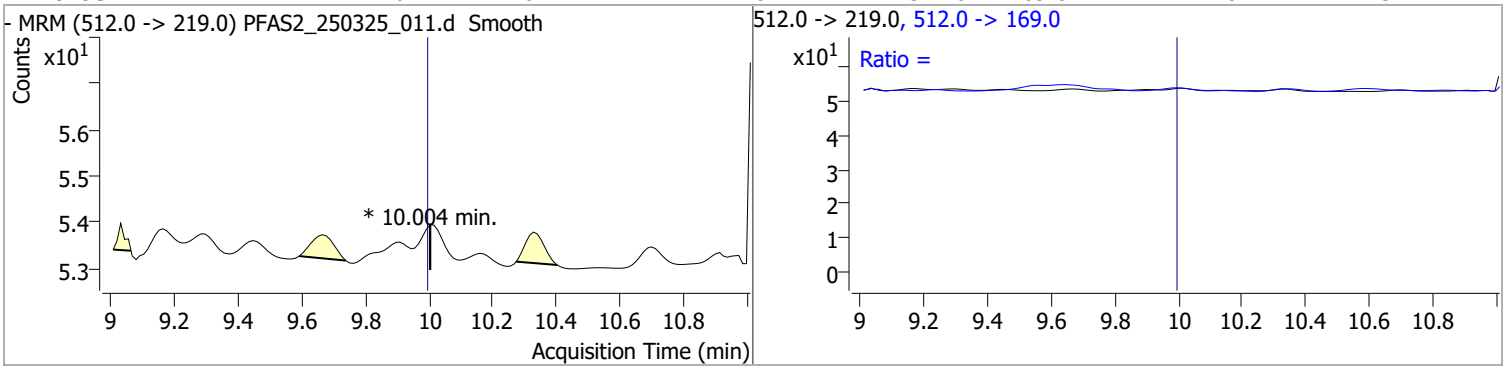
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	47				



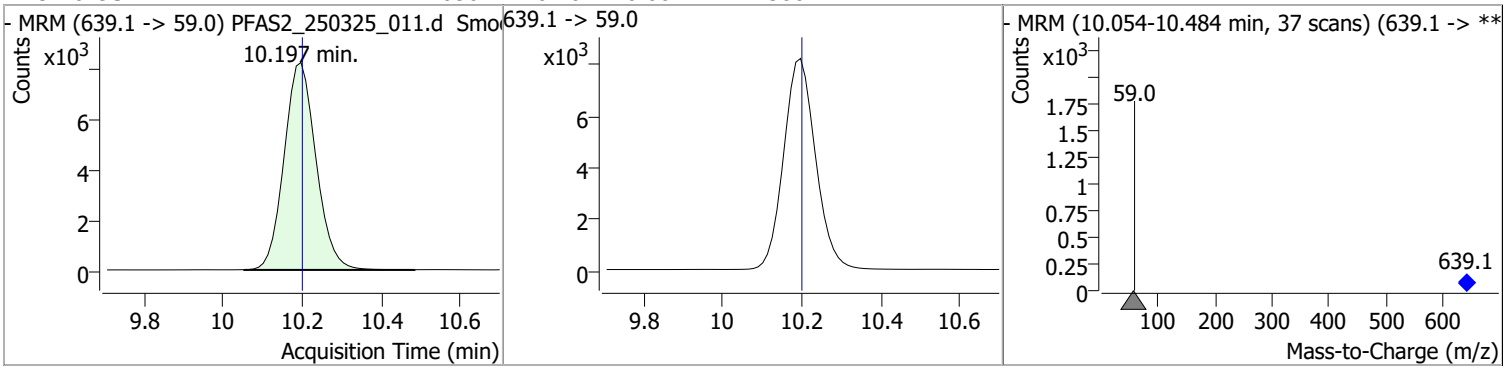
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4289	9.99	0.00	8248				



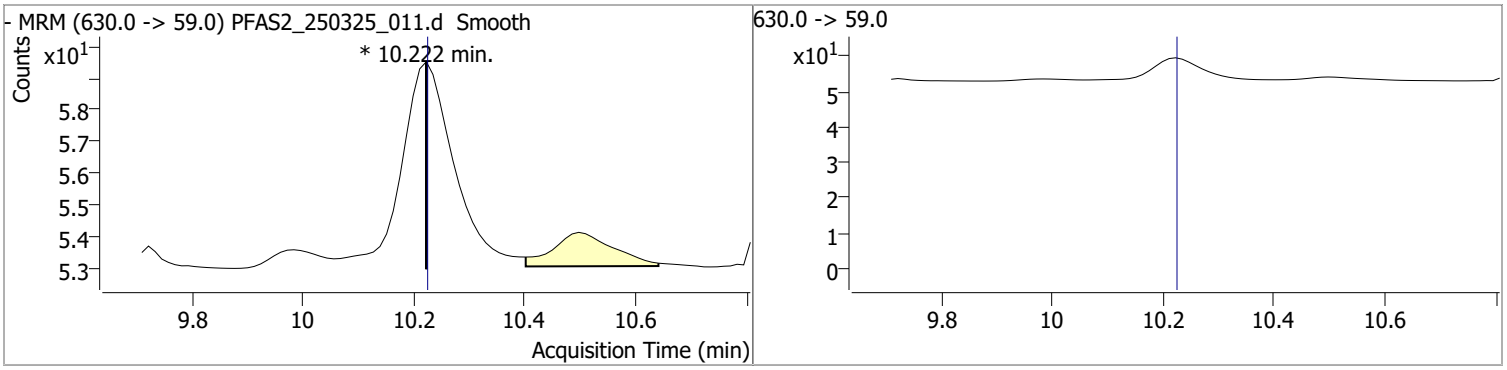
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



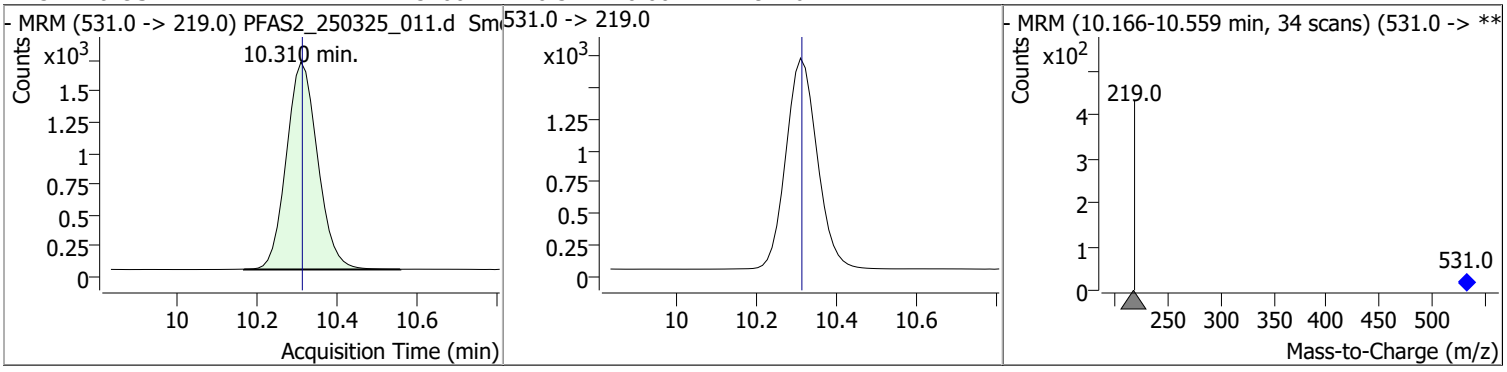
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1050	10.20	0.00	45882				



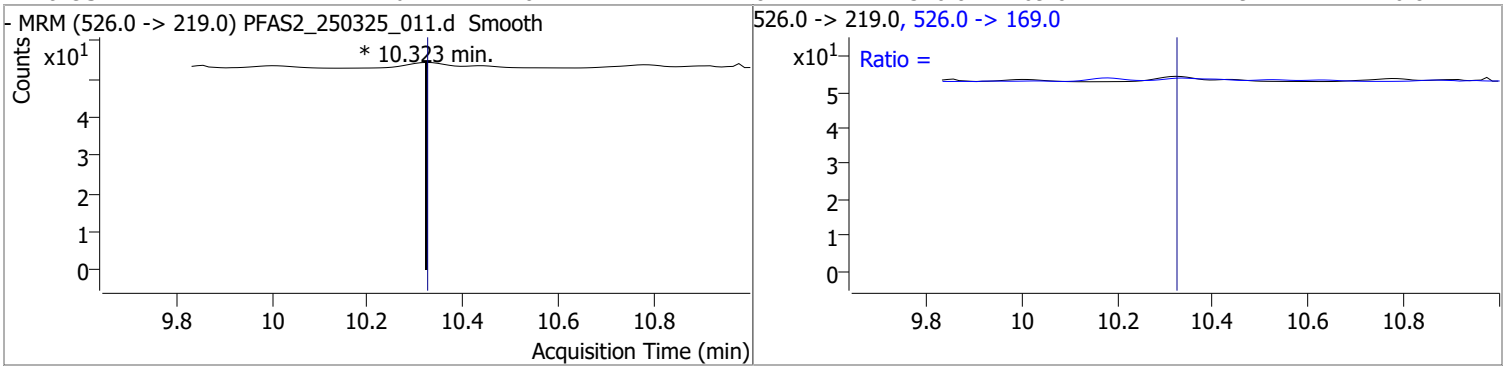
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5100	10.31	0.00	9216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 4:46:50 PM
Sample Name	B25C1367-BLK1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

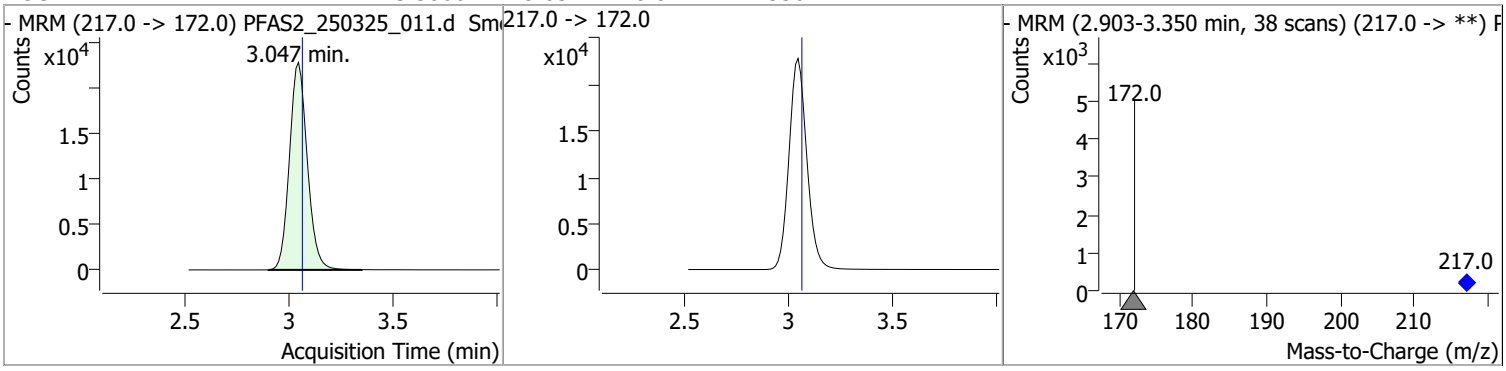
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	106829	5.0000	µg/L		-21.932
13C2-PFHxA	4.890	315.0 -> 270.0	120463	2.5000	µg/L		-21.484
18O2-PFHxS	5.943	403.0 -> 84.0	24414	2.5000	µg/L		-17.603
13C4-PFOA	5.810	417.0 -> 172.0	12739	2.5000	µg/L		-17.536
13C5-PFNA	6.214	468.0 -> 423.0	61855	1.2500	µg/L		-13.091
13C2-PFDA	6.592	515.0 -> 470.0	53278	1.2500	µg/L		-20.333
13C4-PFOS	6.759	503.0 -> 80.0	20345	2.5000	µg/L		-18.324
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	135624	10.0000	µg/L		-56.367
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 55.87%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C5-PFPeA	4.222	268.0 -> 223.0	167657	5.0000	µg/L		-18.974
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.20%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25208	5.0000	µg/L	#	-0.224
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 121.58%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C5-PFHxA	4.889	318.0 -> 273.0	131753	2.5000	µg/L		-21.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.36%			
13C3-PFBS	4.929	302.0 -> 80.0	49752	2.5000	µg/L		-18.068
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.54%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	140533	10.0000	µg/L		-19.590
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.41%			
13C4-PFHpA	5.385	367.0 -> 322.0	158389	2.5000	µg/L		-16.146
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.83%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13853	5.0000	µg/L	#	-6.203
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.96%			
13C8-PFOA	5.809	421.0 -> 376.0	145490	2.5000	µg/L		-15.775
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.16%			
13C3-PFHxS	5.944	402.0 -> 80.0	28215	2.5000	µg/L		-19.266
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.01%			
13C9-PFNA	6.213	472.0 -> 427.0	61134	1.2500	µg/L		-13.241
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.78%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9737	5.0000	µg/L	#	-17.803
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C6-PFDA	6.591	519.0 -> 474.0	58155	1.2500	µg/L		-14.428
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.31%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	46476	5.0000	µg/L		-16.737
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 101.83%			
13C8-PFOS	6.759	507.0 -> 80.0	21378	2.5000	µg/L		-15.448

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.56%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	34103	5.0000	µg/L		-19.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.96%			
13C7-PFUnDA	6.966	570.0 -> 525.0	45585	1.2500	µg/L		-14.958
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 106.73%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	31224	1.2500	µg/L		-29.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 88.70%			
13C2-PFDoDA	7.344	615.0 -> 570.0	36060	1.2500	µg/L		-9.725
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 113.33%			
13C2-PFTDA	8.068	715.0 -> 670.0	26388	1.2500	µg/L		-45.349
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 68.39%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
13C8-PFOSA	8.792	506.0 -> 78.0	30934	2.5000	µg/L		-16.308
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.26%			
2H7-MeFOSE	9.853	623.1 -> 59.0	54447	25.0000	µg/L		-56.666
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 53.10%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8248	2.5000	µg/L		-20.458
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.16%			
2H9-EtFOSE	10.197	639.1 -> 59.0	45882	25.0000	µg/L		-27.756
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 88.42%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9216	2.5000	µg/L		-18.008
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.590	229.0 -> 85.0	26	0.0567	µg/L		100
3-3 FTCA	3.754	241.0 -> 177.0	12	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	913	0.0541	µg/L		100
PFMBA	4.453	279.0 -> 85.0	13	0.0342	µg/L		100
4-2 FTSA	4.627	327.0 -> 307.0	44	0.0029	µg/L	#	46
NFDHA	4.834	295.0 -> 201.0	32	0.0327	µg/L	#	1
PFHxA	4.904	313.0 -> 269.0	213	0.0045	µg/L		89
PFBS	5.227	298.9 -> 80.0	20	0.0009	µg/L		94
HFPO-DA	5.087	285.0 -> 169.0	29	0.0023	µg/L		33
PFEESA	5.201	314.9 -> 135.0	8	0.0517	µg/L		80
PFHpA	5.386	363.0 -> 319.0	312	0.0264	µg/L	#	81
5-3 FTCA	5.495	341.0 -> 237.0	50	0.1904	µg/L		4
PFPeS	5.363	348.9 -> 80.0	9	0.0006	µg/L	#	73
DONA	5.564	377.0 -> 251.0	106	0.0688	µg/L		46
6-2 FTSA	5.631	427.0 -> 407.0	62	0.1163	µg/L		50
PFOA	5.824	413.0 -> 369.0	437	0.0439	µg/L		90
PFHxS	5.945	398.9 -> 80.0	203	0.0185	µg/L		98
PFNA	5.892	463.0 -> 419.0	89	0.0086	µg/L		62
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.282	527.0 -> 507.0	6	0.0737	µg/L		47
PFDA	6.580	513.0 -> 469.0	76	0.0000	µg/L		98
7-3 FTCA	6.609	441.0 -> 317.0	53	0.2633	µg/L	#	14
N-MeFOSAA	6.801	570.0 -> 419.0	55	0.0148	µg/L		33
PFOS	6.748	498.9 -> 80.0	303	0.0663	µg/L		92
N-EtFOSAA	6.941	584.0 -> 419.0	31	0.0160	µg/L		24
PFUnDA	6.896	563.0 -> 519.0	77	0.0155	µg/L	#	9
9Cl-PF3ONS	6.993	530.9 -> 350.9	36	0.0658	µg/L		44
PFNS	7.076	548.9 -> 80.0	38	0.0052	µg/L	#	37
PFDoDA	7.332	613.0 -> 569.0	72	0.0027	µg/L		100

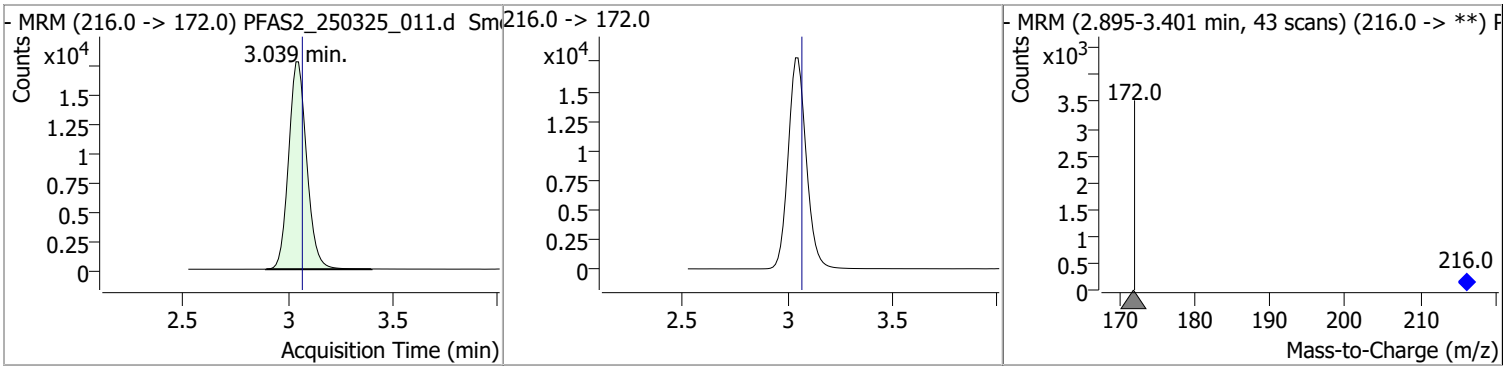
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.502	598.9 -> 80.0	16	0.0029	µg/L	#	22
PFTrDA	7.617	663.0 -> 619.0	57	0.0024	µg/L	#	60
11Cl-PF3OUdS	7.763	630.9 -> 450.9	37	0.0020	µg/L		84
PFTDA	8.081	712.9 -> 669.0	46	0.0085	µg/L	#	82
PFDoS	8.216	698.9 -> 80.0	4	0.0010	µg/L		78
PFOSA	8.783	497.9 -> 78.0	33	0.0031	µg/L		89
MeFOSE	9.890	616.0 -> 59.0	47	0.0000	µg/L		100
N-MeFOSA	10.004	512.0 -> 219.0	3	0.0011	µg/L		75
EtFOSE	10.222	630.0 -> 59.0	43	0.0353	µg/L		100
N-EtFOSA	10.323	526.0 -> 219.0	5	0.0014	µg/L		83

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

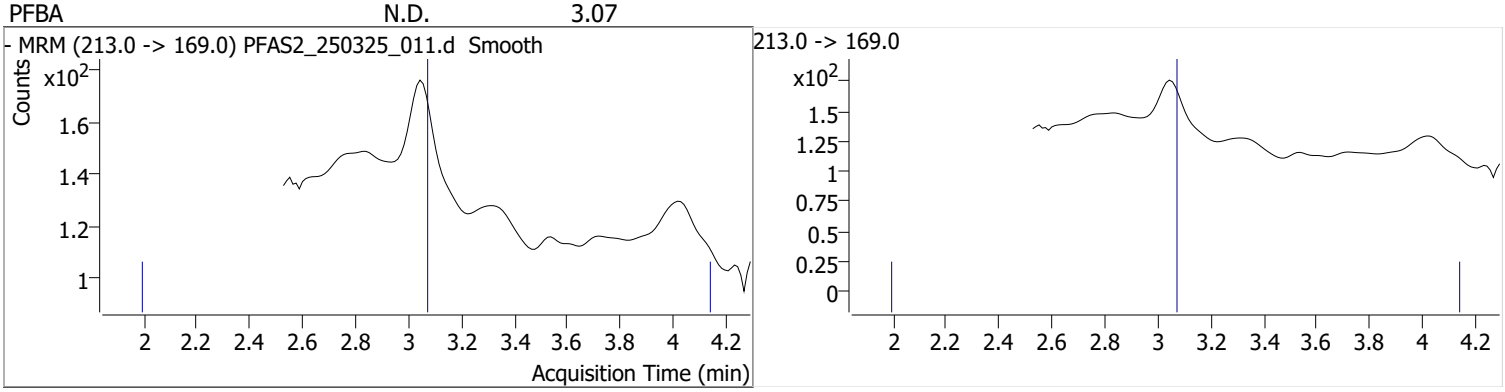
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.5866	3.05	-0.01	135624				



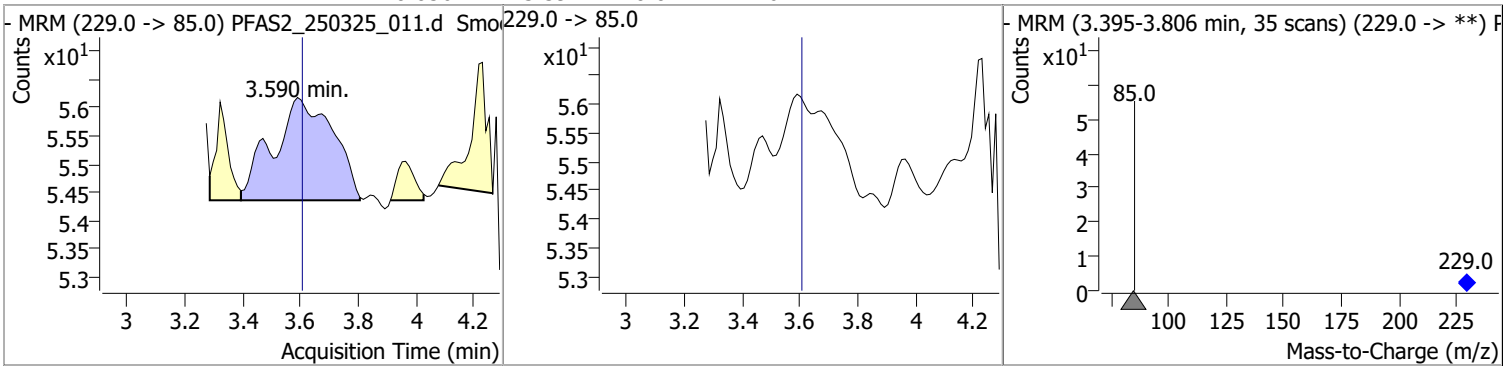
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA	3.04	-0.02	106829					



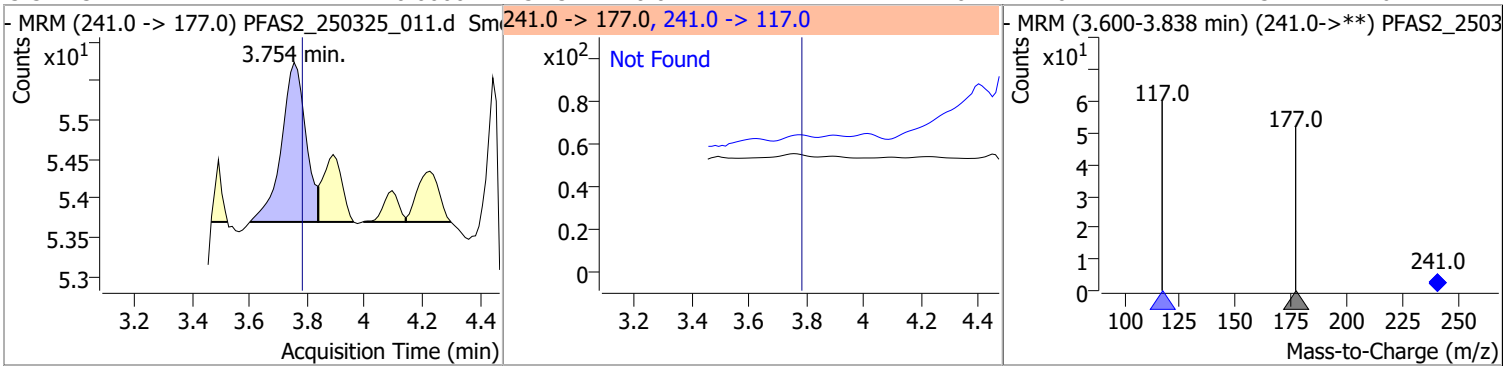
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		



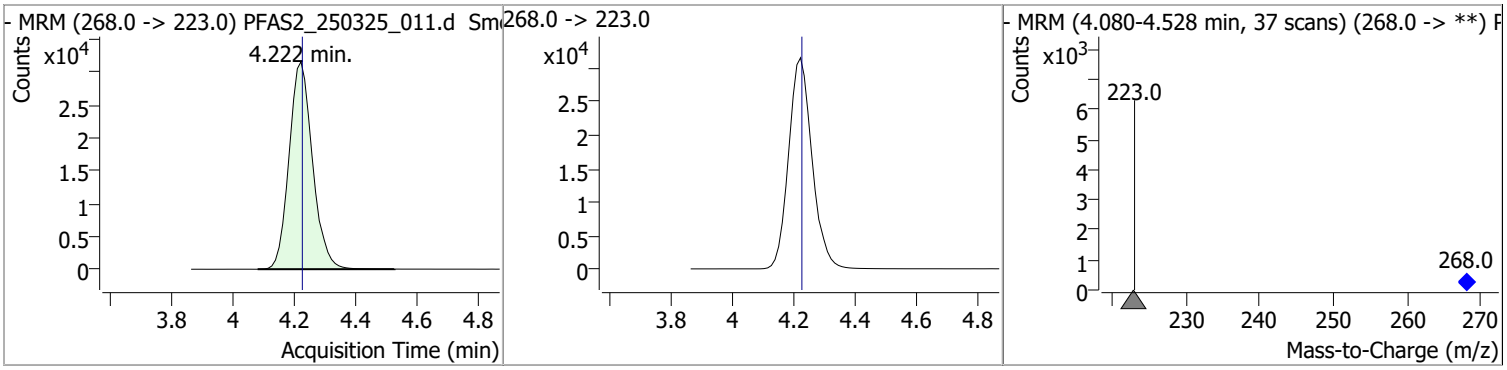
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0567	3.59	-0.01	26				



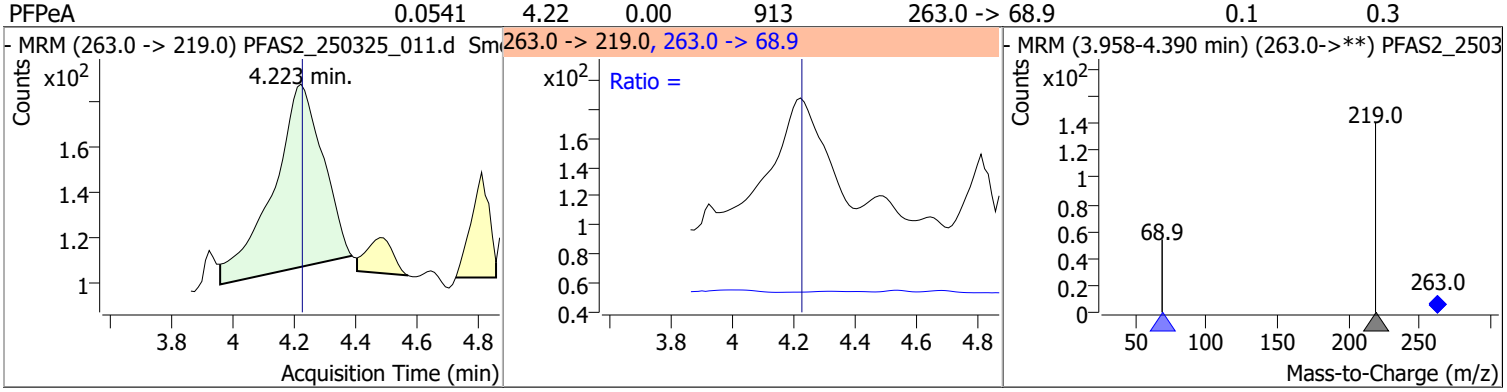
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.75	-0.02	12	241.0 -> 117.0		41.3	76.7



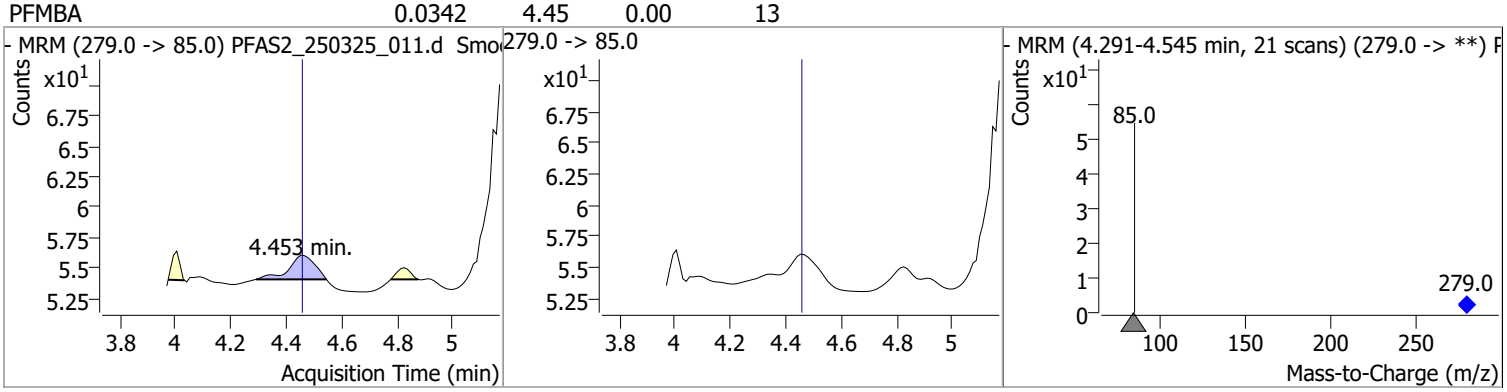
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1601	4.22	0.00	167657				



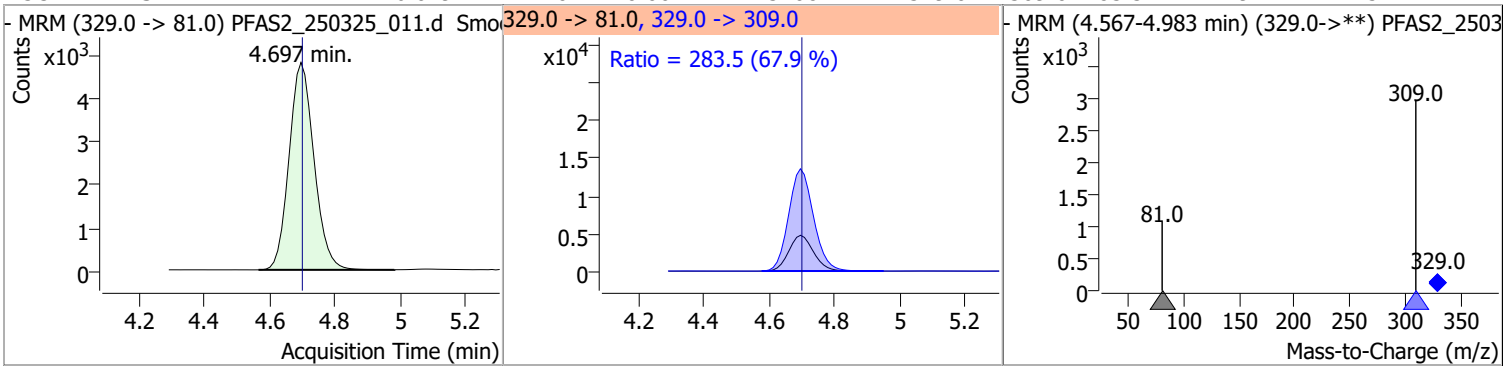
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0541	4.22	0.00	913	263.0 -> 68.9		0.1	0.3



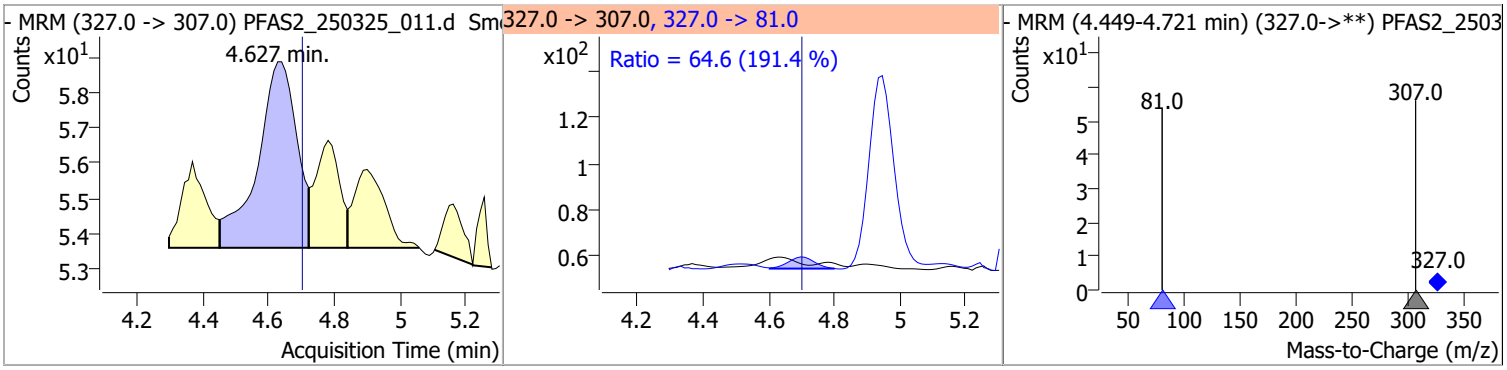
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0342	4.45	0.00	13				



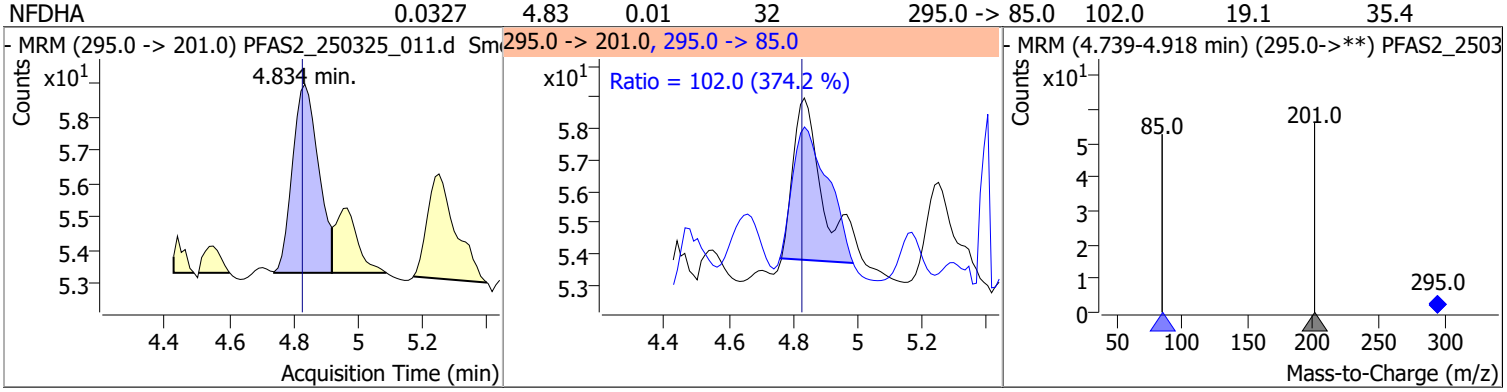
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0792	4.70	0.00	25208	329.0 -> 309.0	283.5	292.1	542.4



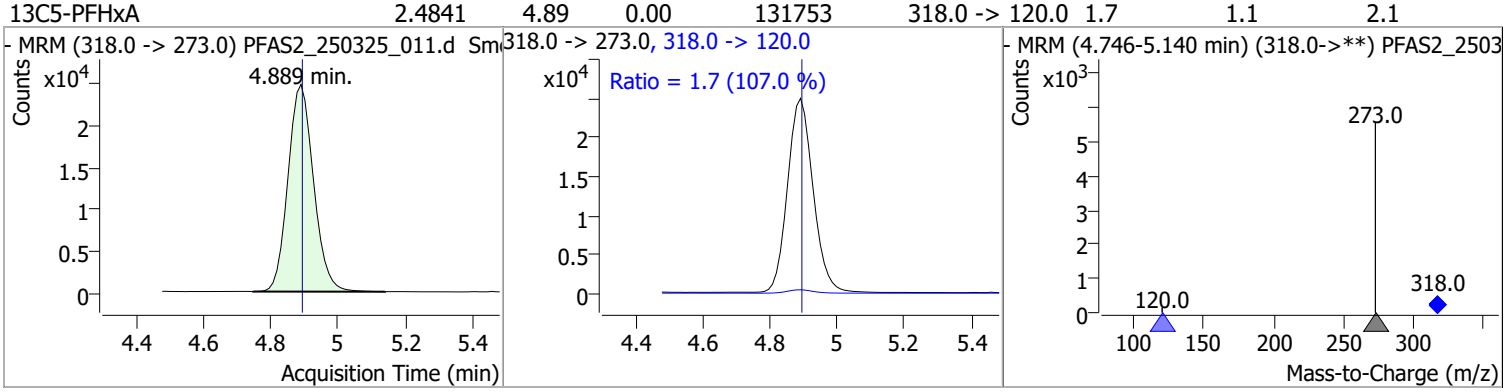
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0029	4.63	-0.07	44	327.0 -> 81.0	64.6	23.6	43.9



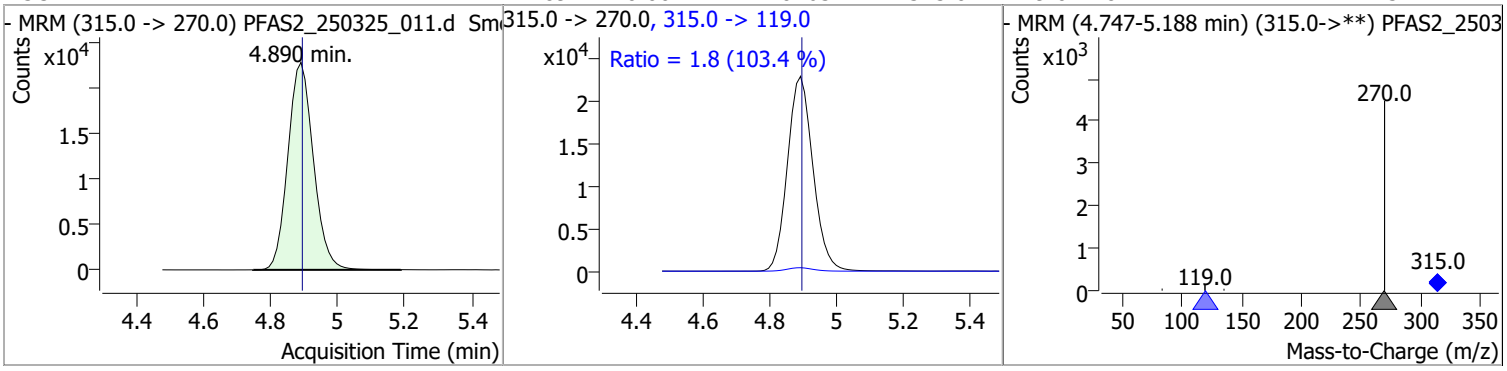
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0327	4.83	0.01	32	295.0 -> 85.0	102.0	19.1	35.4



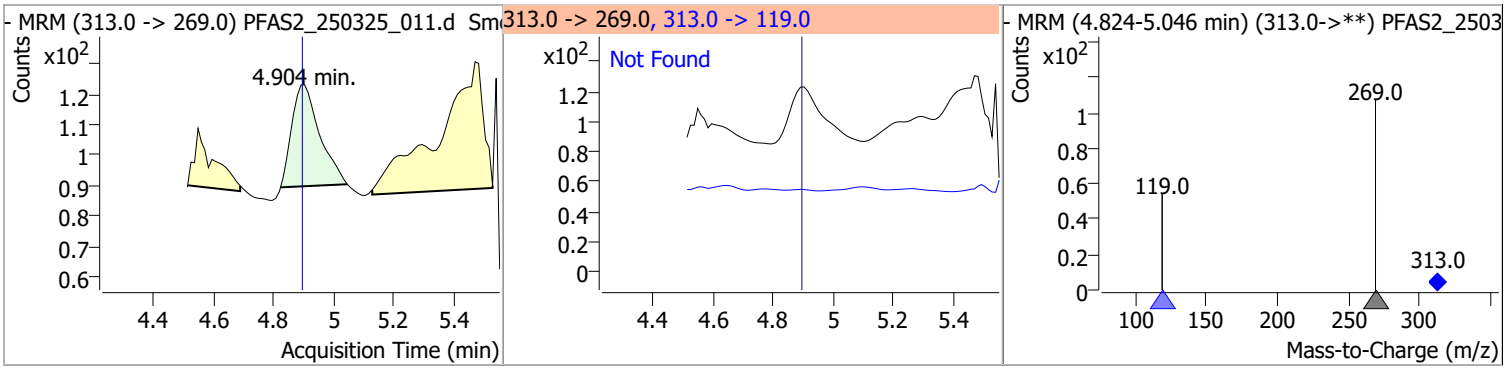
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4841	4.89	0.00	131753	318.0 -> 120.0	1.7	1.1	2.1



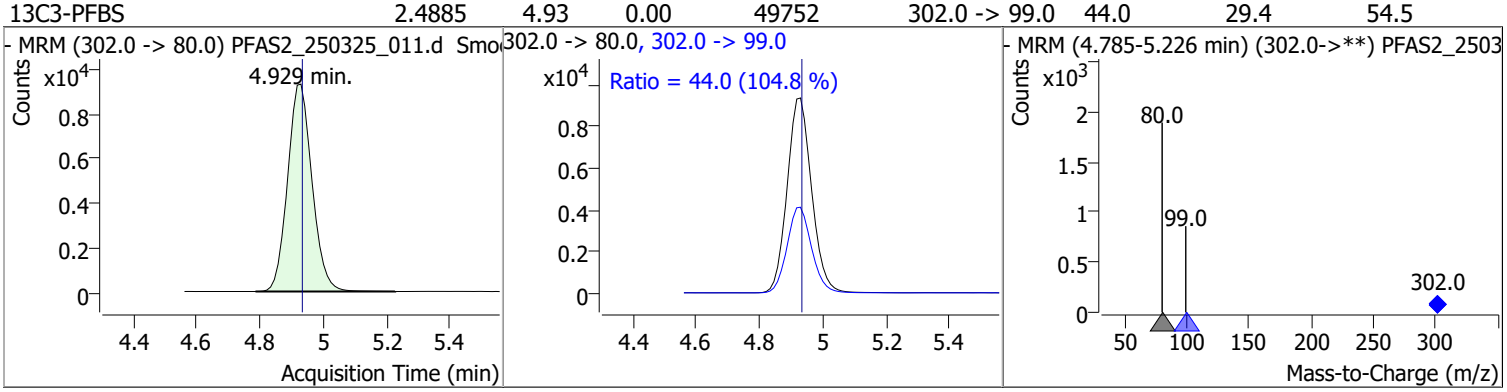
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	120463	315.0 -> 119.0	1.8	1.2	2.3



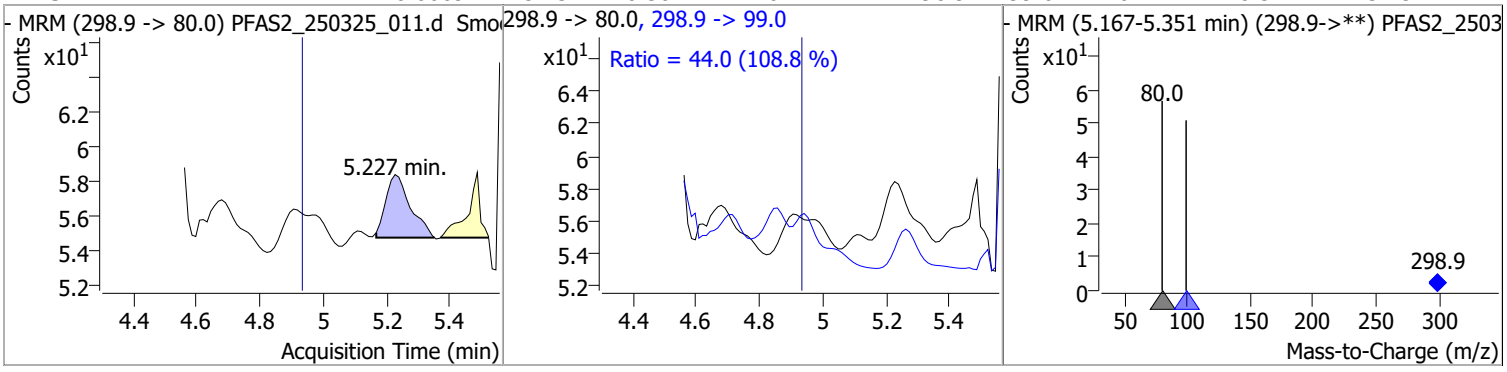
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0045	4.90	0.01	213	313.0 -> 119.0		2.4	4.5



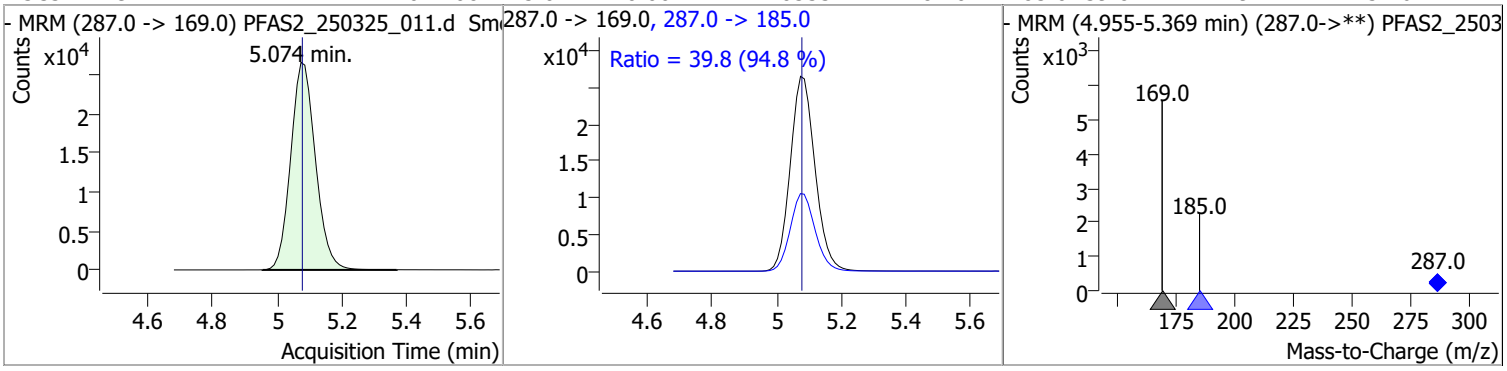
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4885	4.93	0.00	49752	302.0 -> 99.0	44.0	29.4	54.5



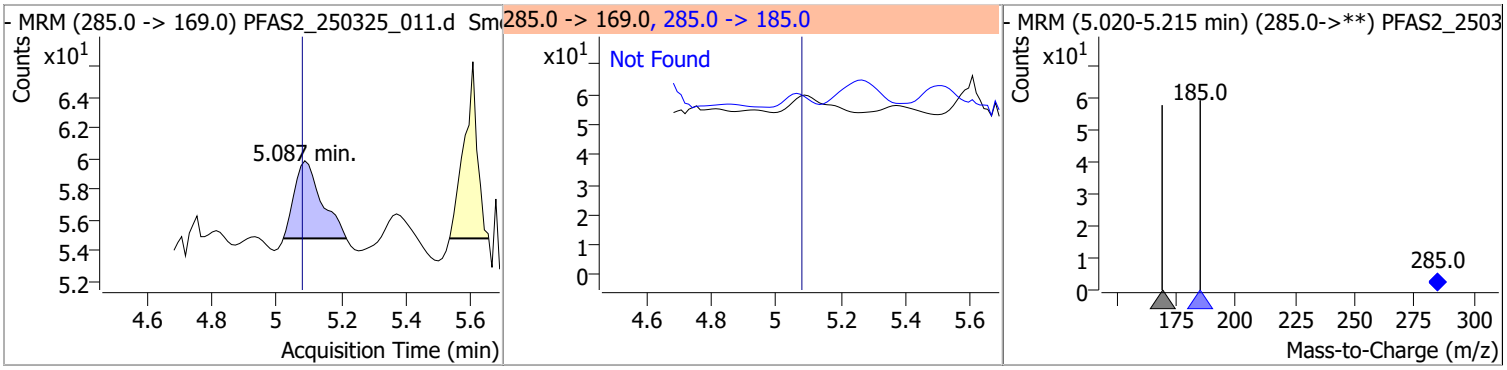
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0009	5.23	0.30	20	298.9 -> 99.0	44.0	28.3	52.5



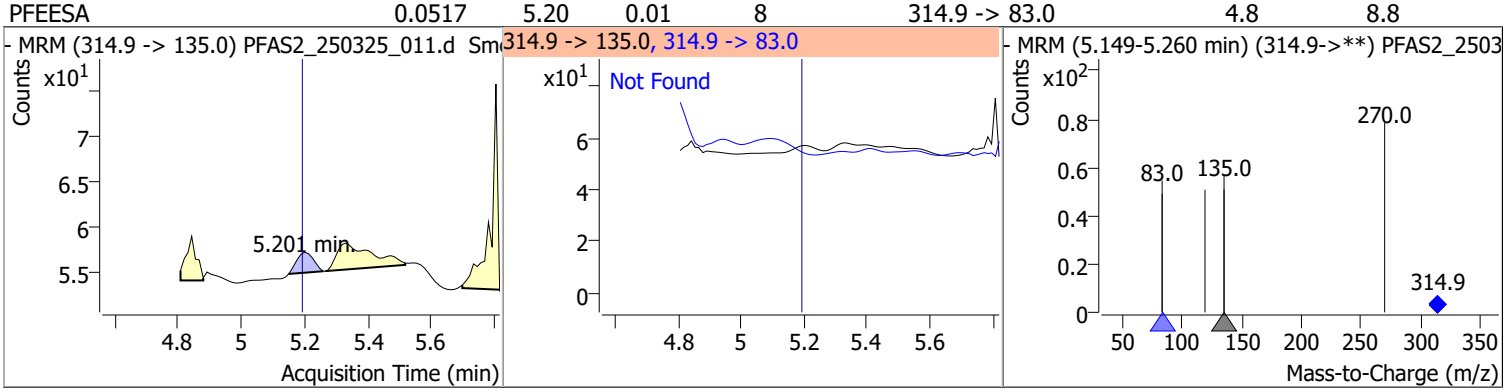
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2408	5.07	0.00	140533	287.0 -> 185.0	39.8	29.4	54.6



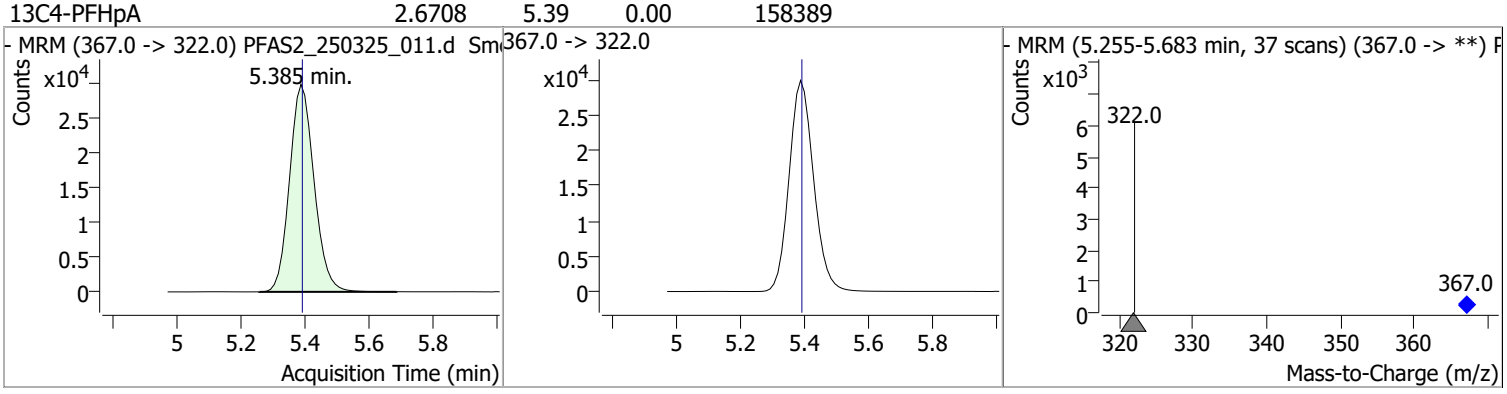
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0023	5.09	0.01	29	285.0 -> 185.0		30.1	56.0



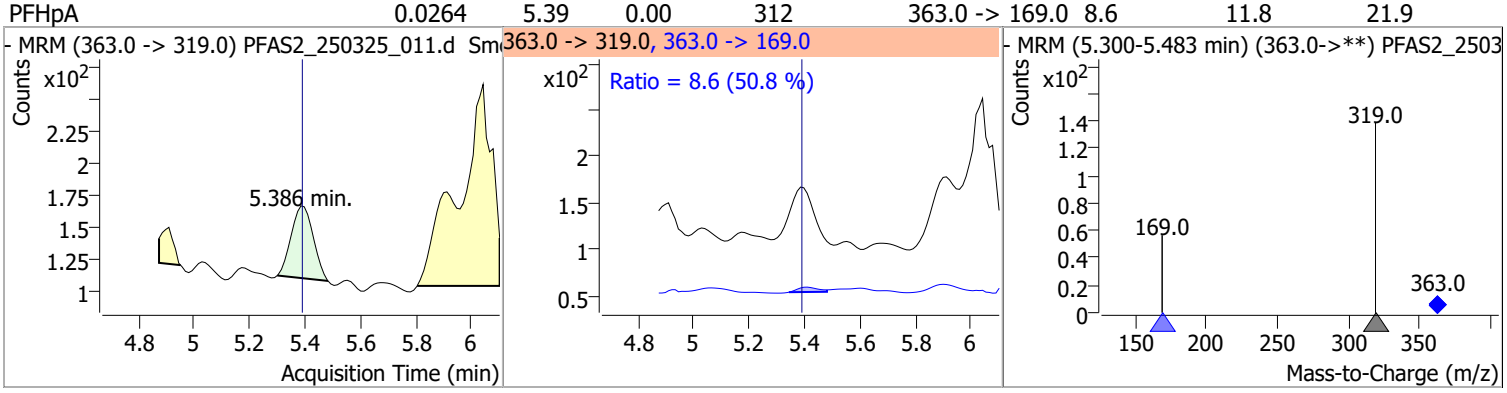
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0517	5.20	0.01	8	314.9 -> 83.0		4.8	8.8



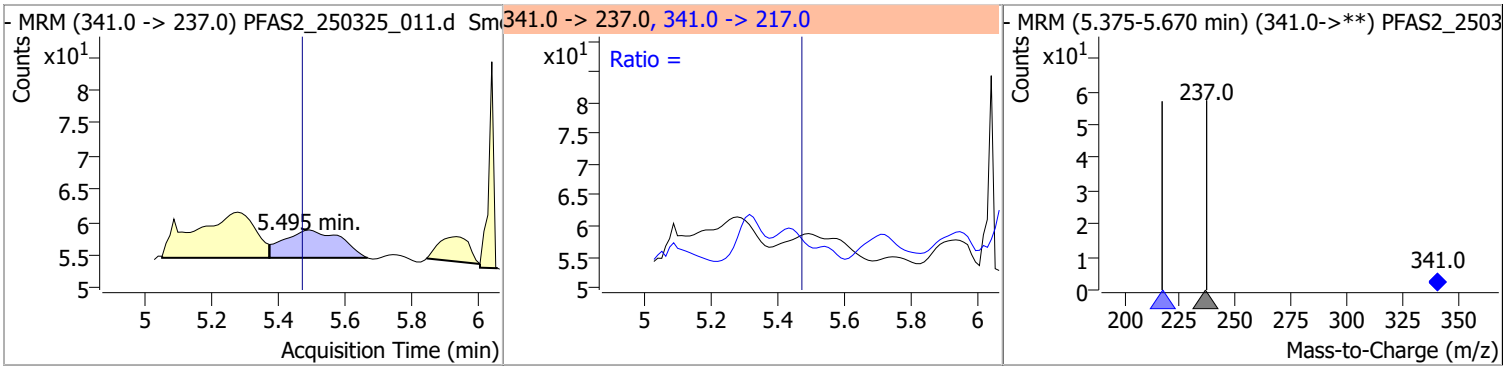
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6708	5.39	0.00	158389				



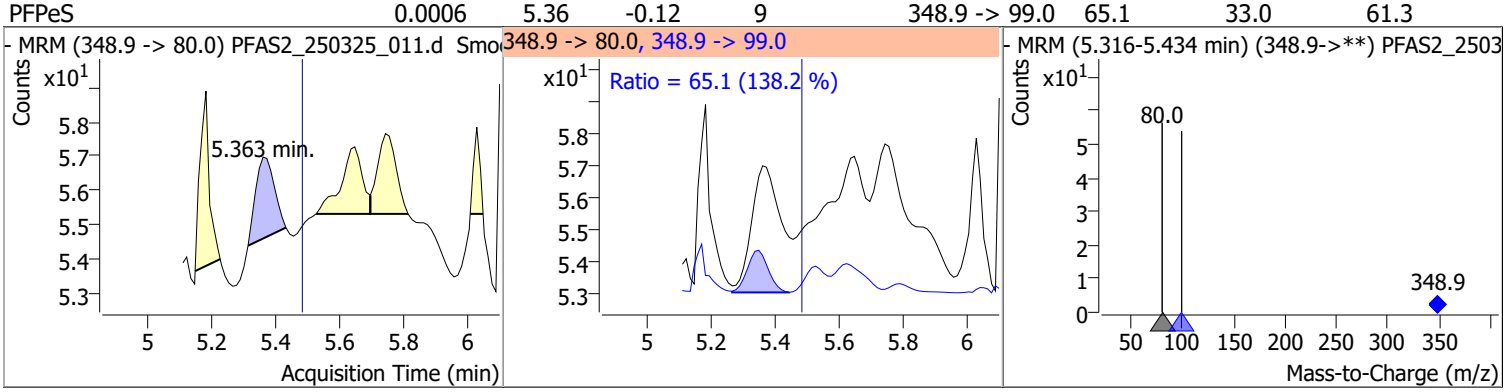
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0264	5.39	0.00	312	363.0 -> 169.0	8.6	11.8	21.9



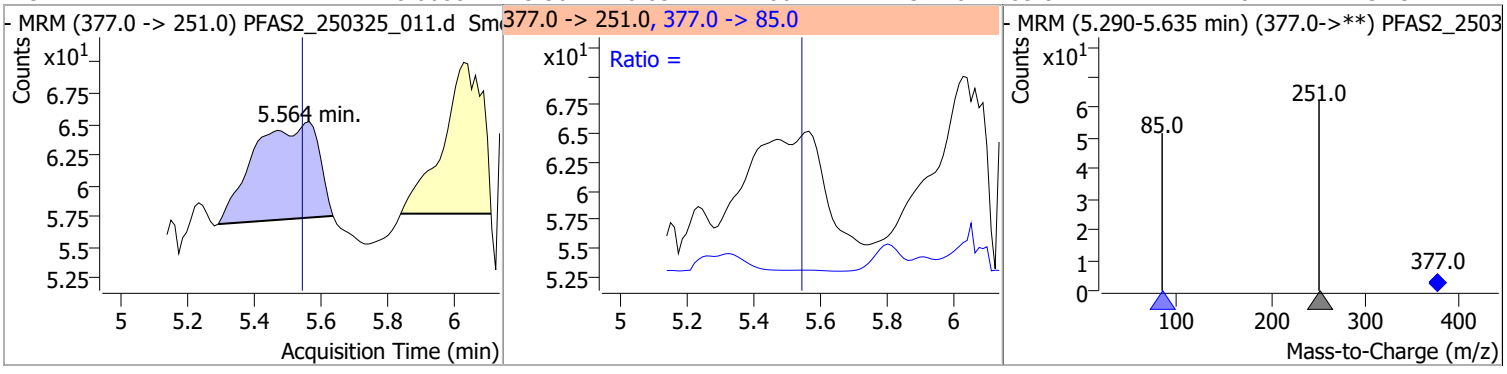
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1904	5.49	0.02	50	341.0 -> 217.0		63.6	118.1



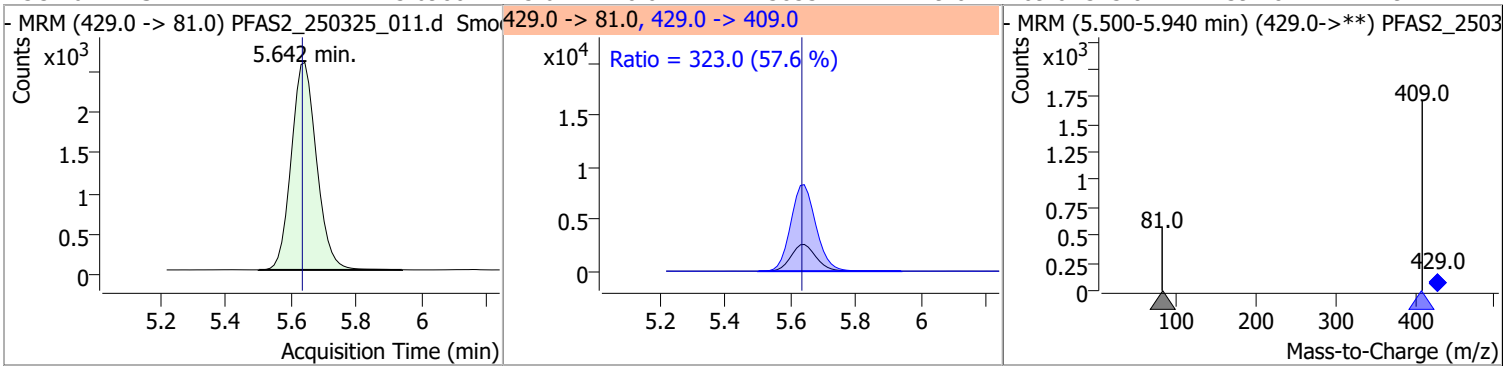
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0006	5.36	-0.12	9	348.9 -> 99.0	65.1	33.0	61.3



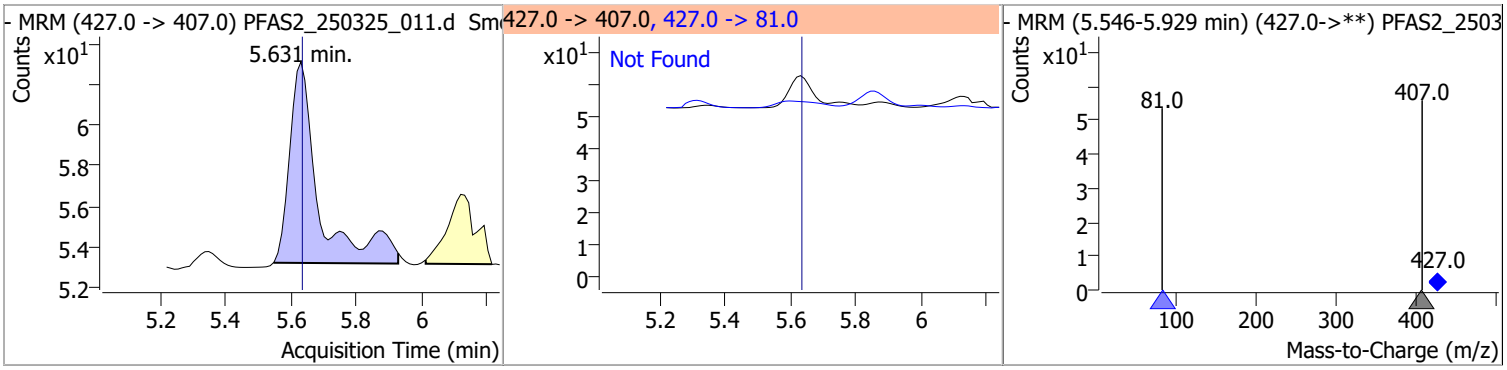
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0688	5.56	0.03	106	377.0 -> 85.0		20.4	37.9



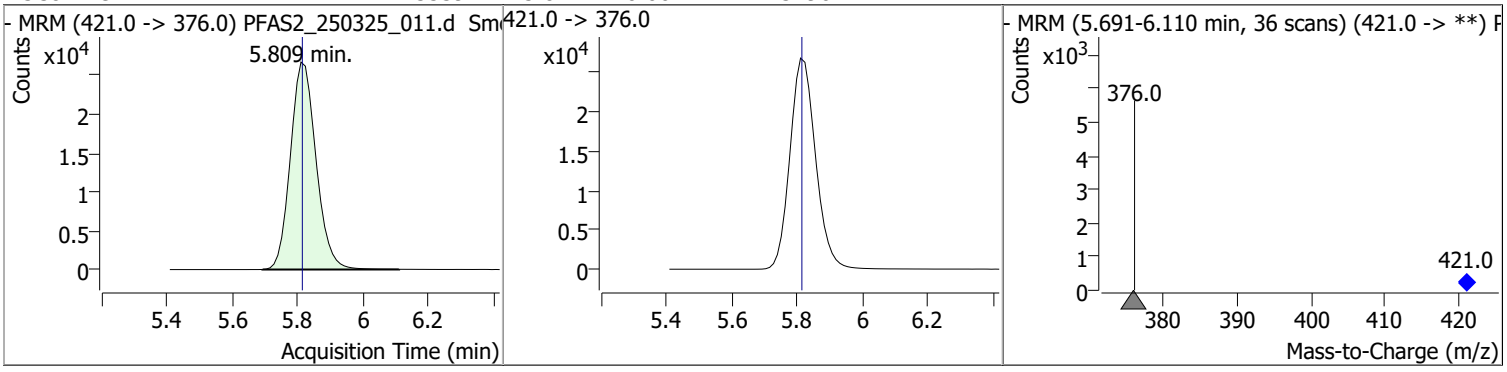
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6980	5.64	0.01	13853	429.0 -> 409.0	323.0	392.8	729.4



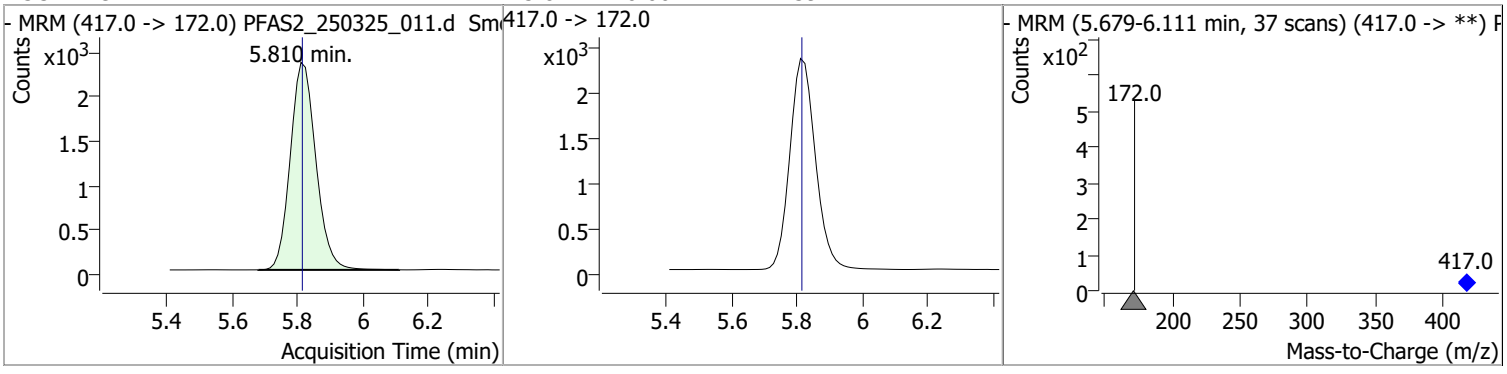
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1163	5.63	0.00	62	427.0 -> 81.0		17.7	32.8



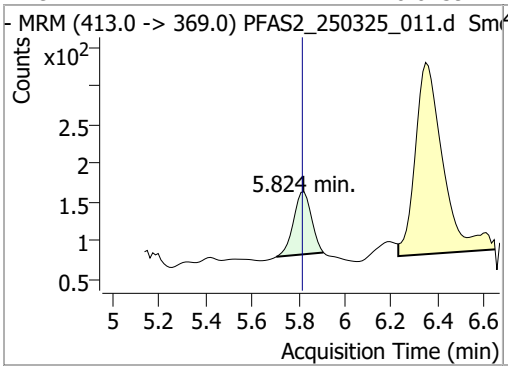
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5539	5.81	0.00	145490				

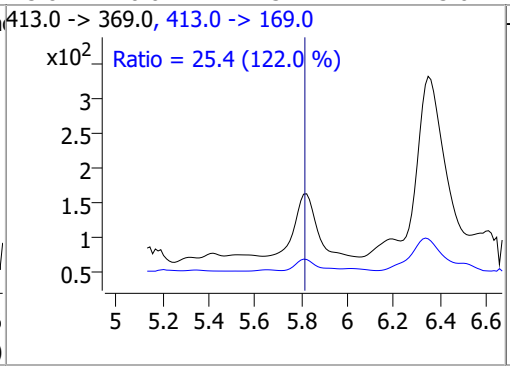


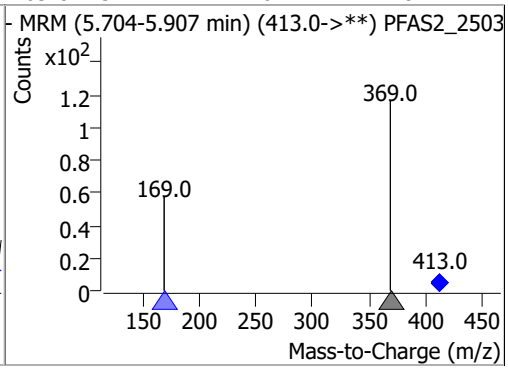
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	12739				



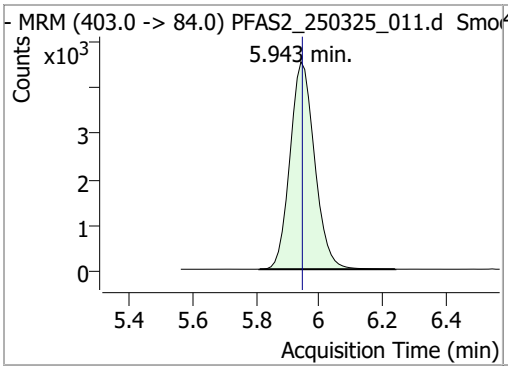
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0439	5.82	0.01	437	413.0 -> 169.0	25.4	14.6	27.0

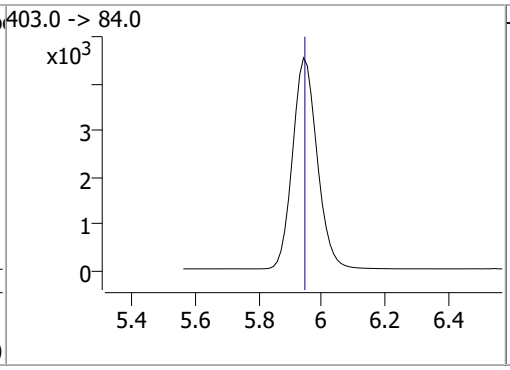


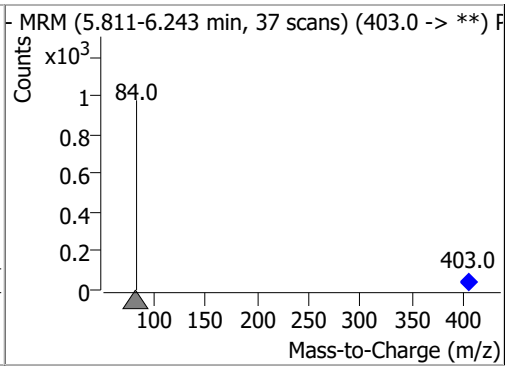




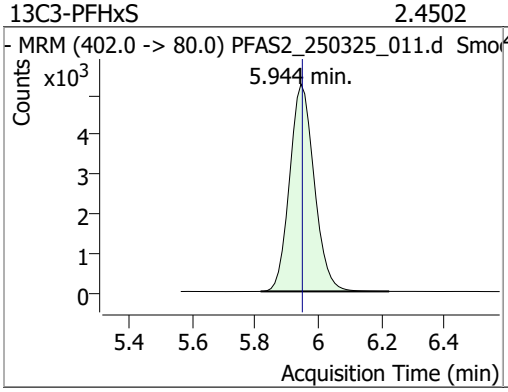
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	24414				

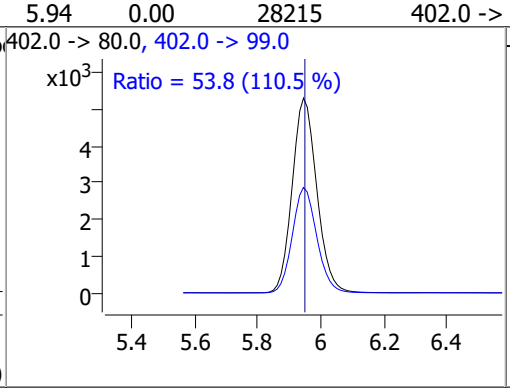


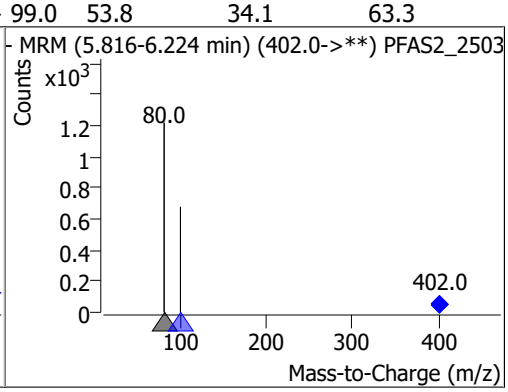




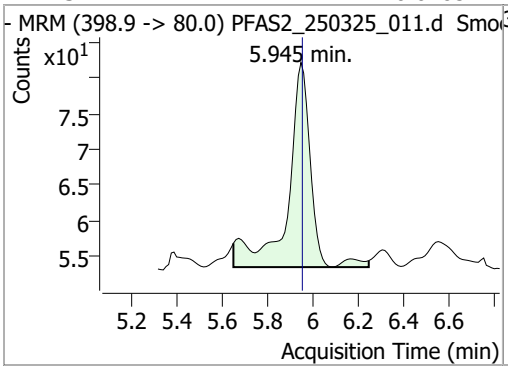
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4502	5.94	0.00	28215	402.0 -> 99.0	53.8	34.1	63.3

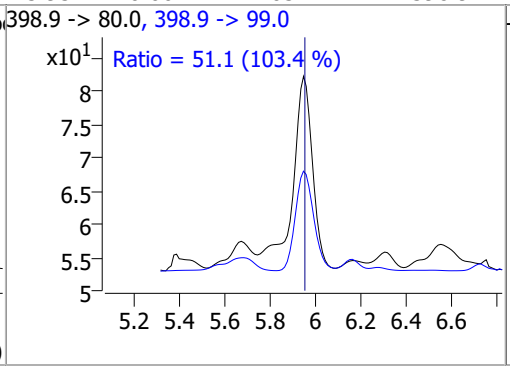


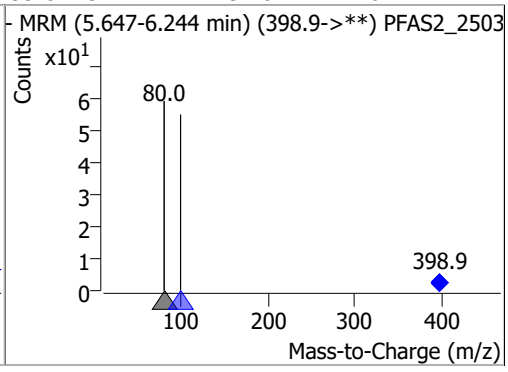




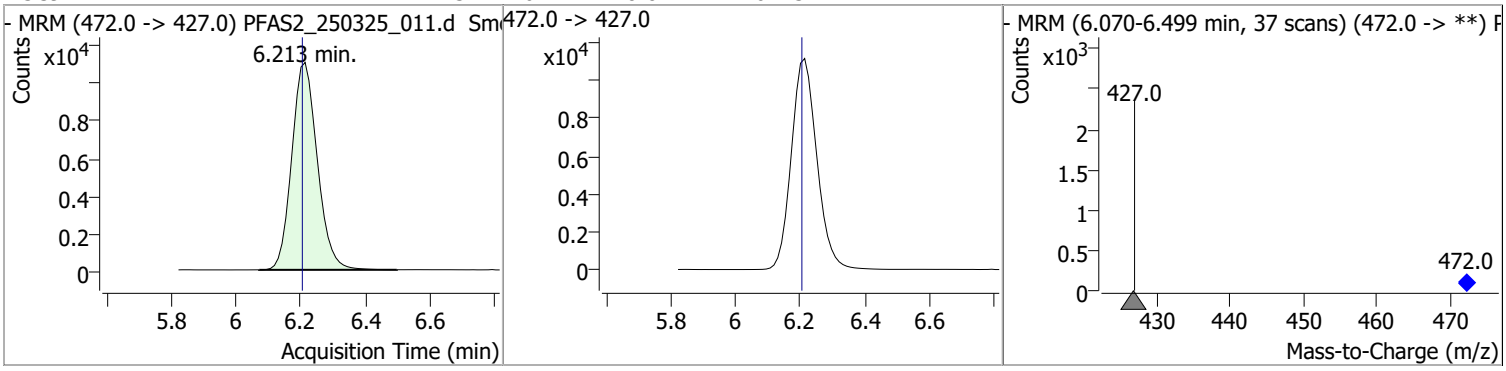
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0185	5.95	0.00	203	398.9 -> 99.0	51.1	34.6	64.2



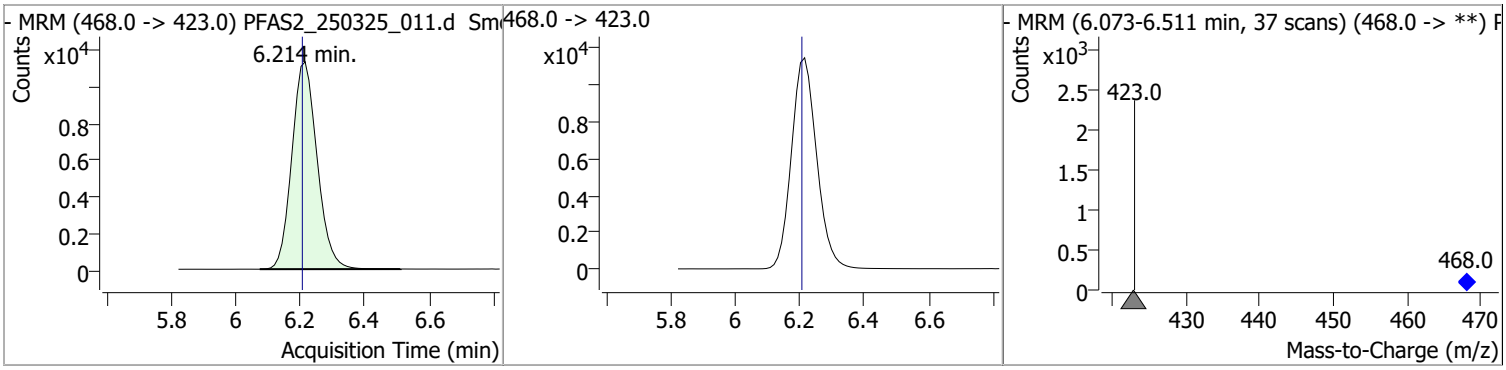




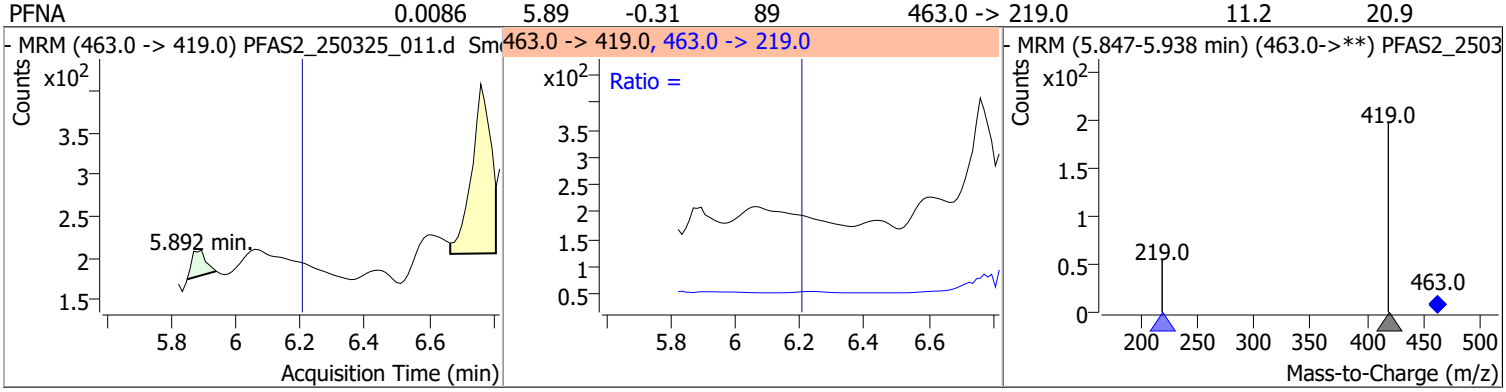
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2473	6.21	0.01	61134				



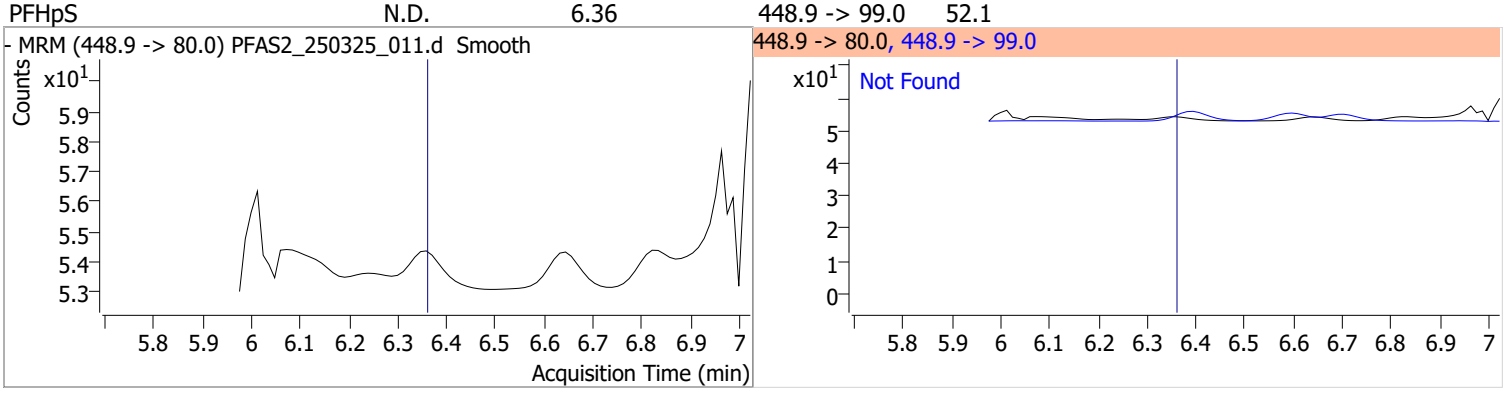
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	61855				



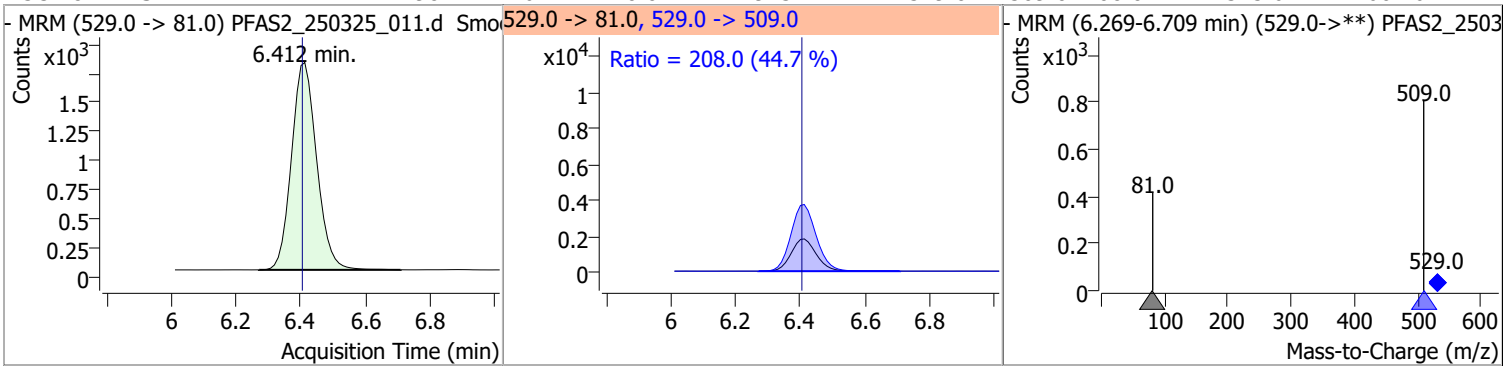
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0086	5.89	-0.31	89	463.0 -> 219.0		11.2	20.9



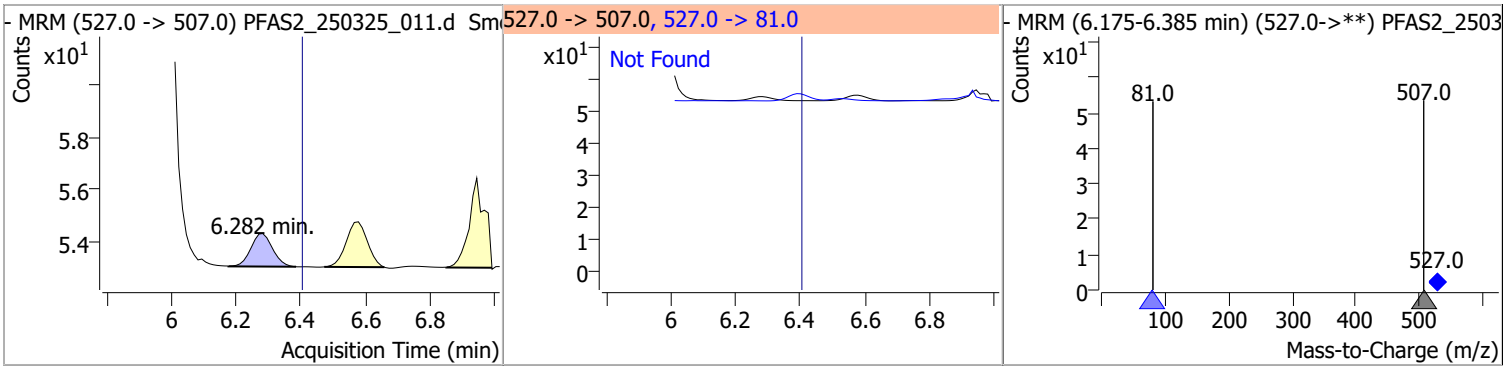
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



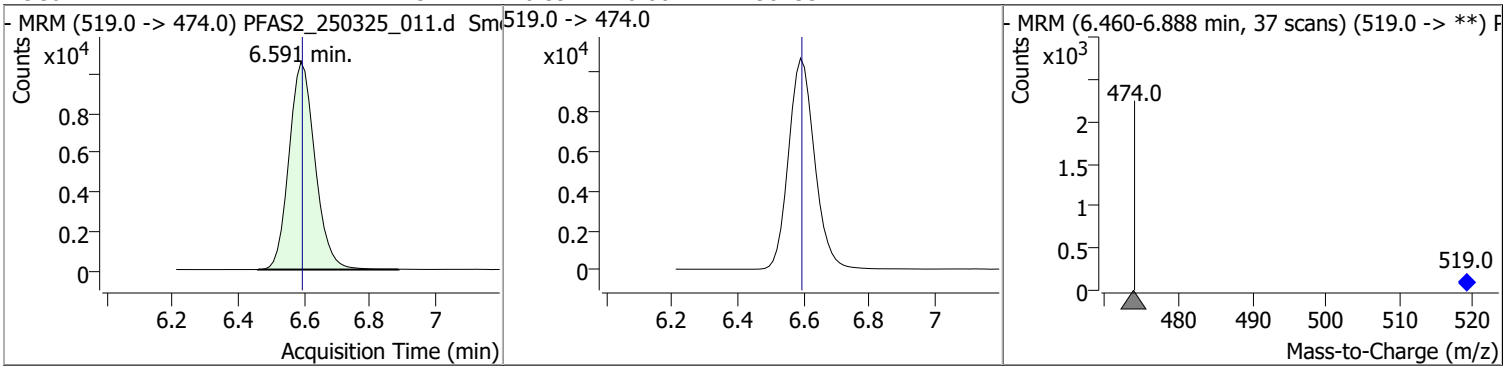
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9814	6.41	0.01	9737	529.0 -> 509.0	208.0	325.6	604.6



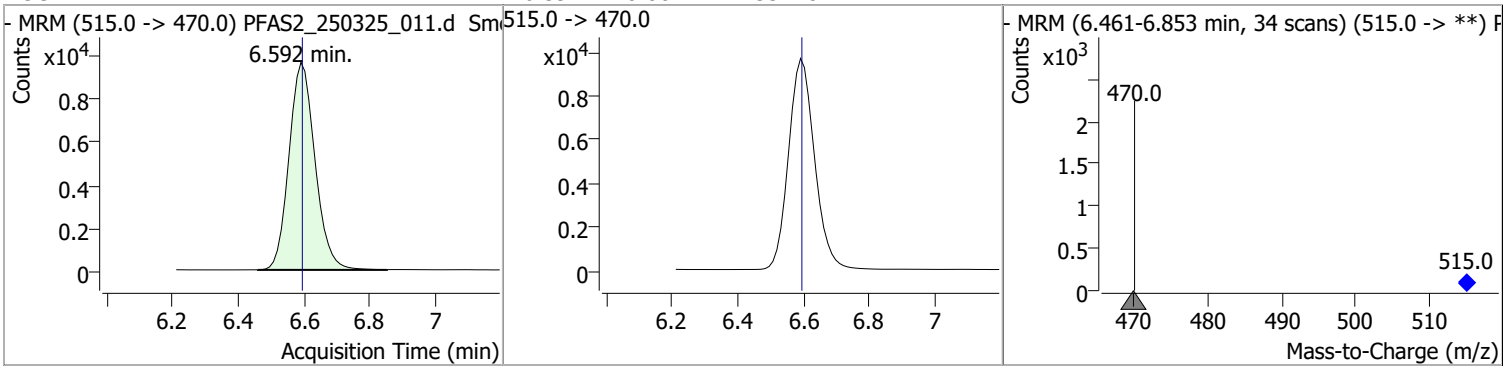
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0737	6.28	-0.12	6	527.0 -> 81.0		19.7	36.6



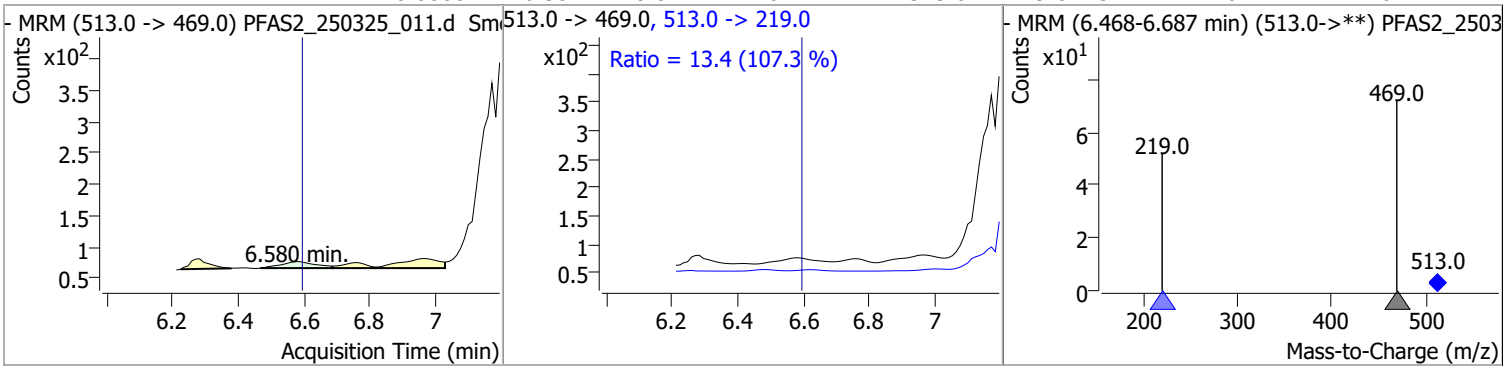
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3414	6.59	0.00	58155				



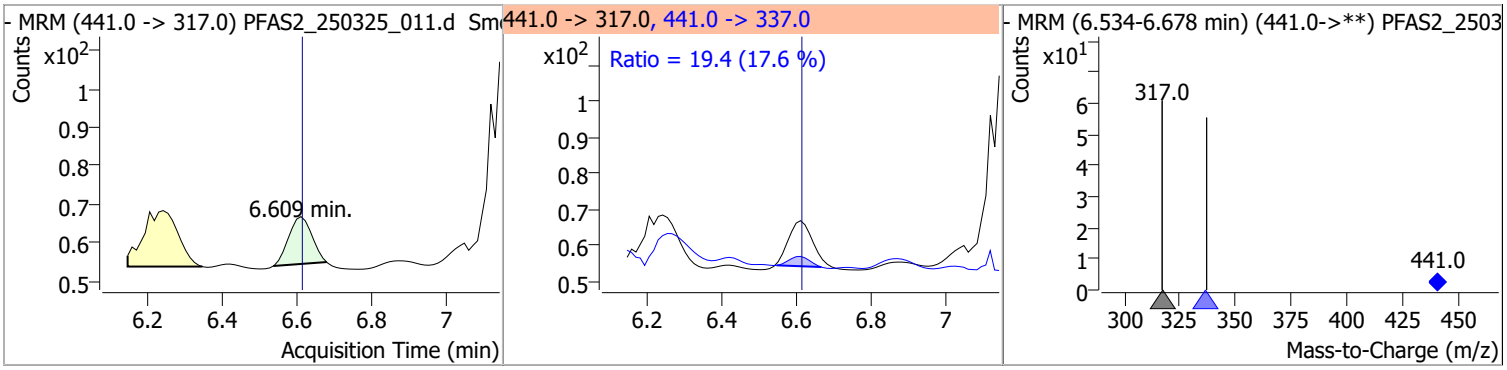
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	53278				



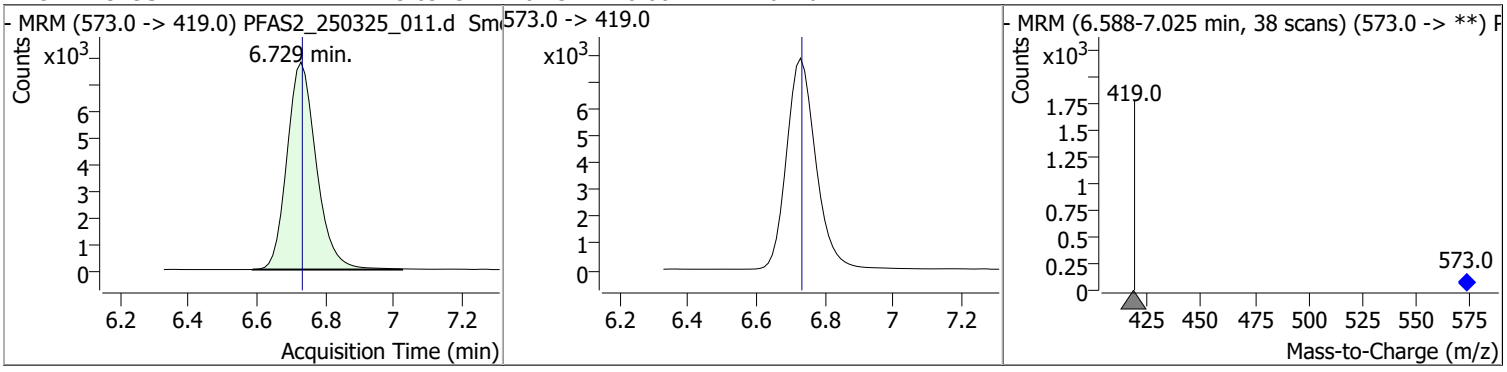
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.58	-0.01	76	513.0 -> 219.0	13.4	8.7	16.2



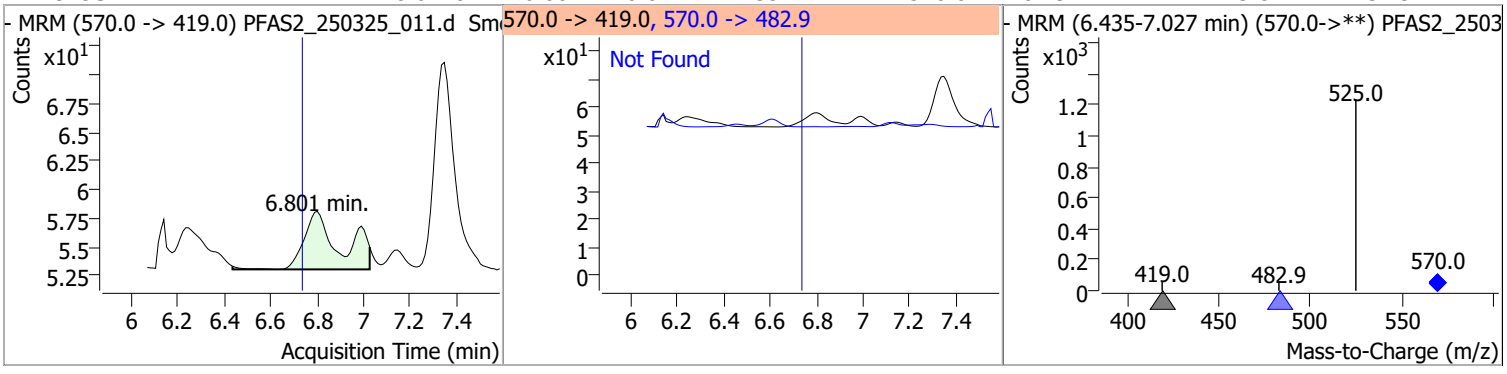
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2633	6.61	0.00	53	441.0 -> 337.0	19.4	77.1	143.3



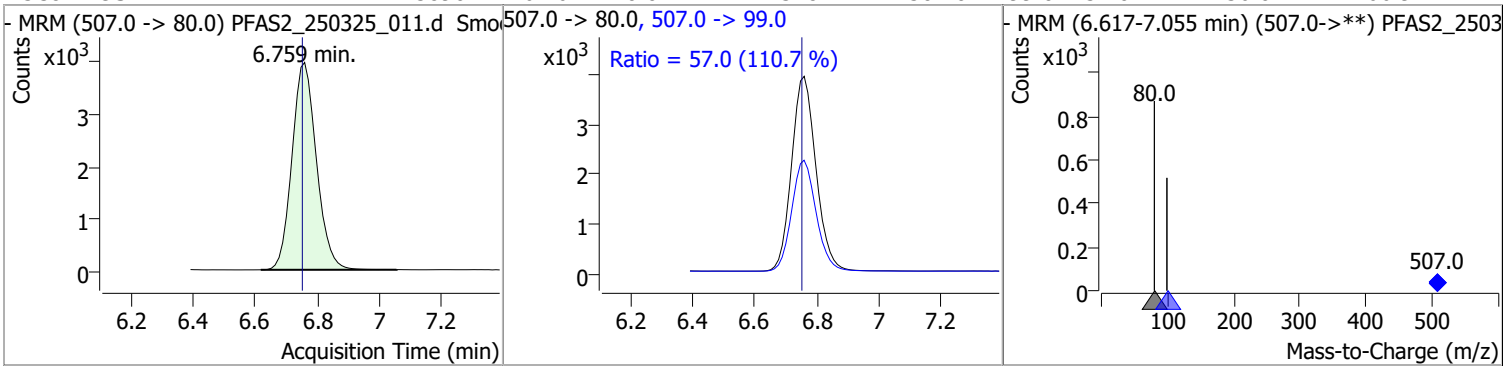
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0913	6.73	0.00	46476				



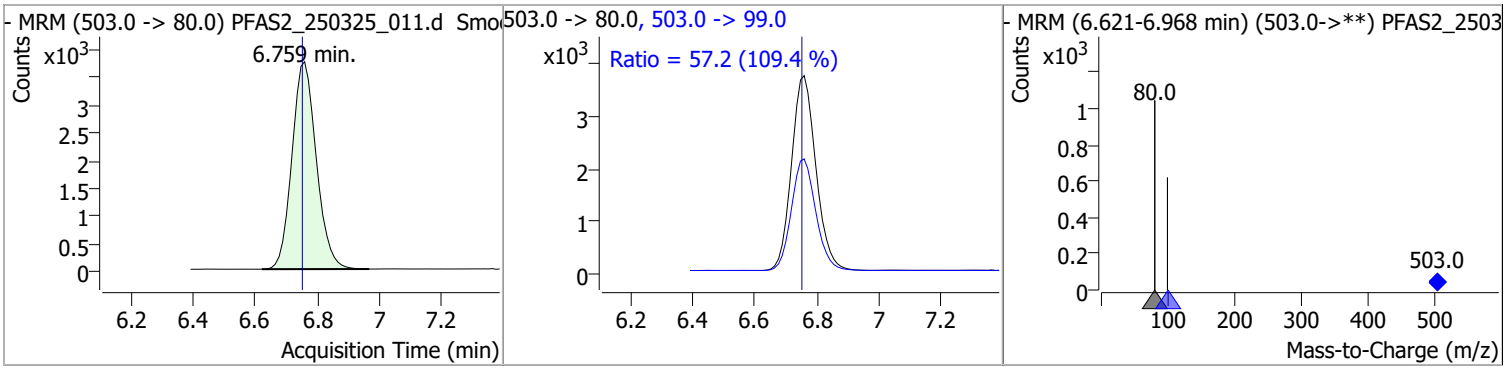
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0148	6.80	0.07	55	570.0 -> 482.9		29.5	54.9



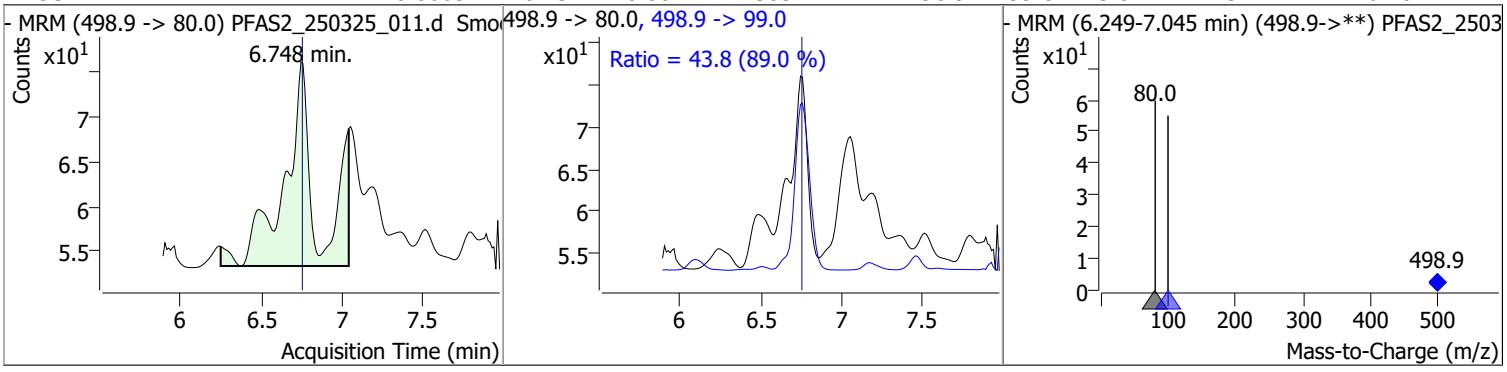
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5890	6.76	0.01	21378	507.0 -> 99.0	57.0	36.0	66.9



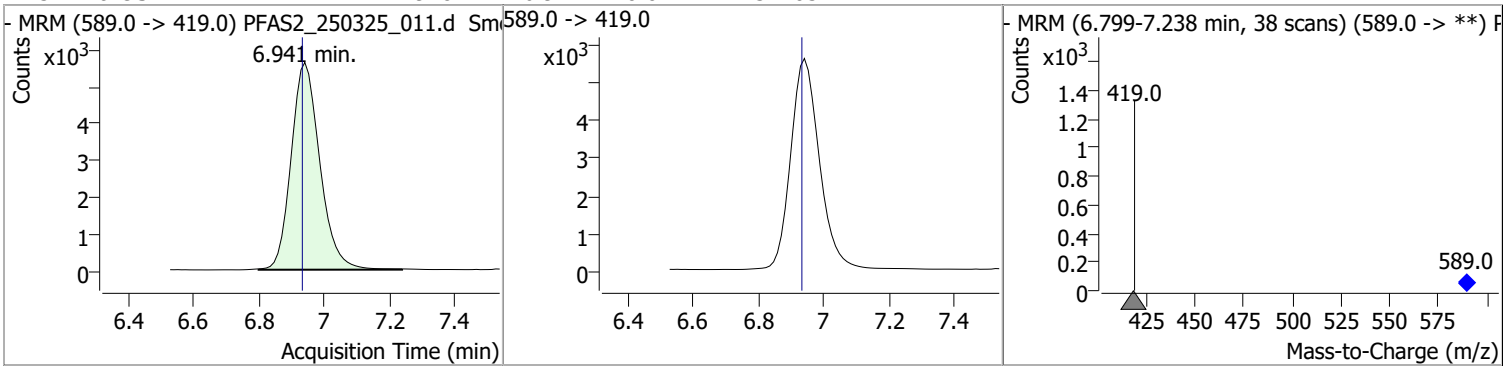
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	20345	503.0 -> 99.0	57.2	36.6	67.9



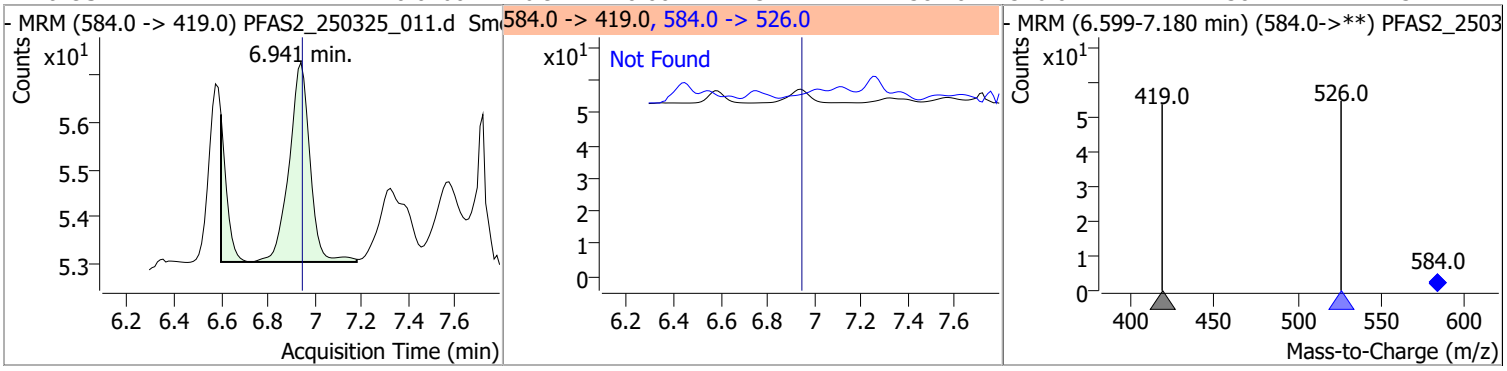
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0663	6.75	0.00	303	498.9 -> 99.0	43.8	34.4	64.0



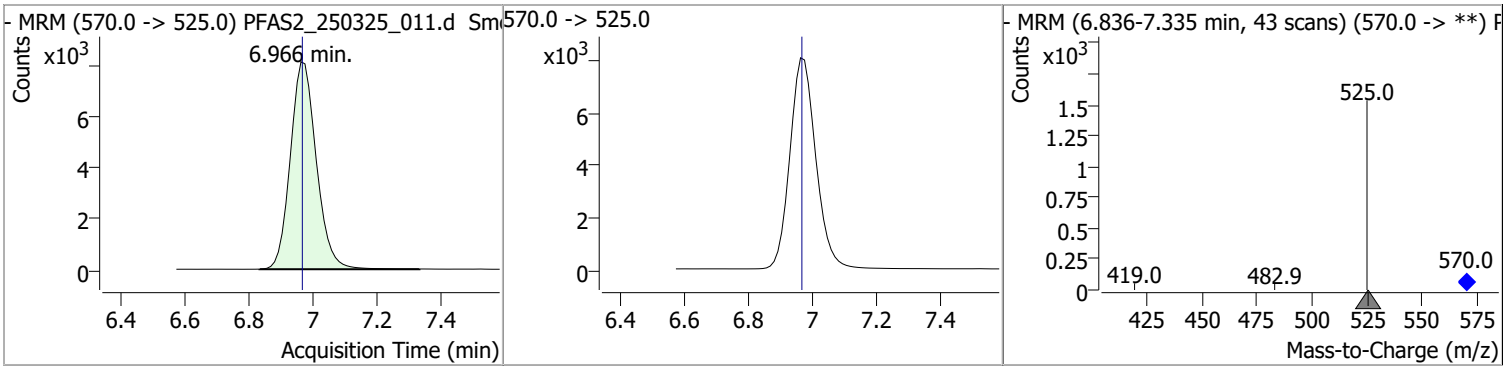
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9482	6.94	0.01	34103				



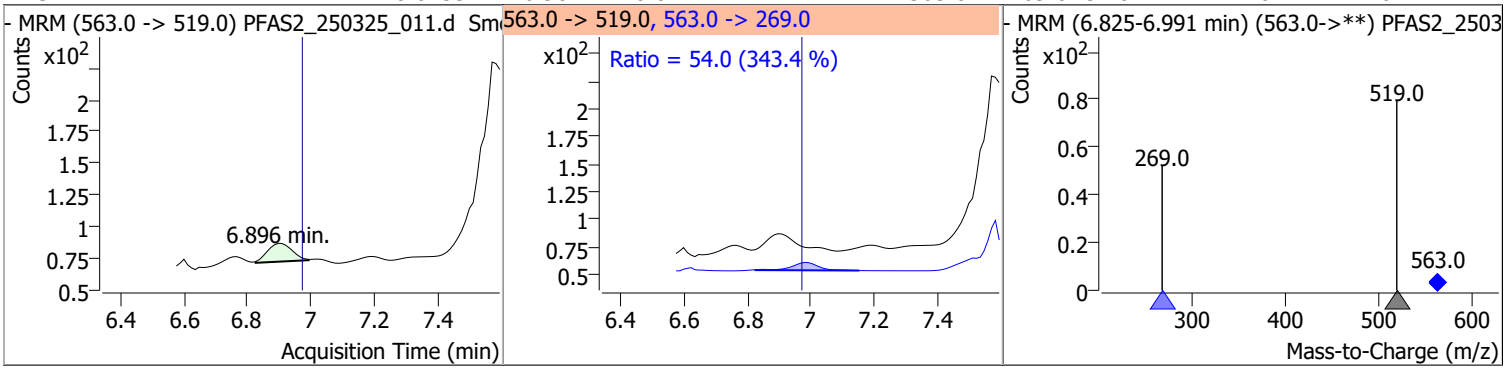
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0160	6.94	0.00	31	584.0 -> 526.0		38.4	71.3



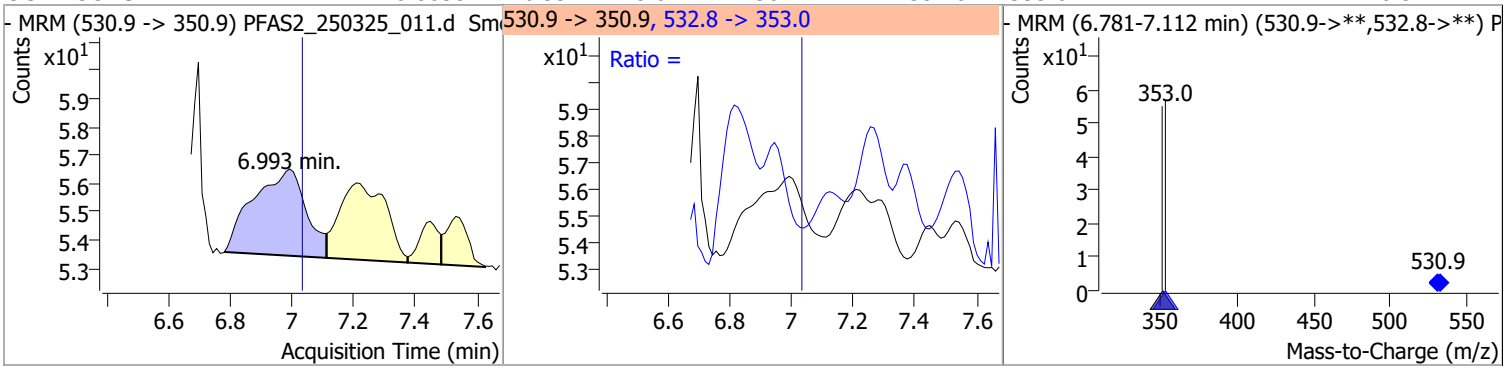
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3342	6.97	0.00	45585				



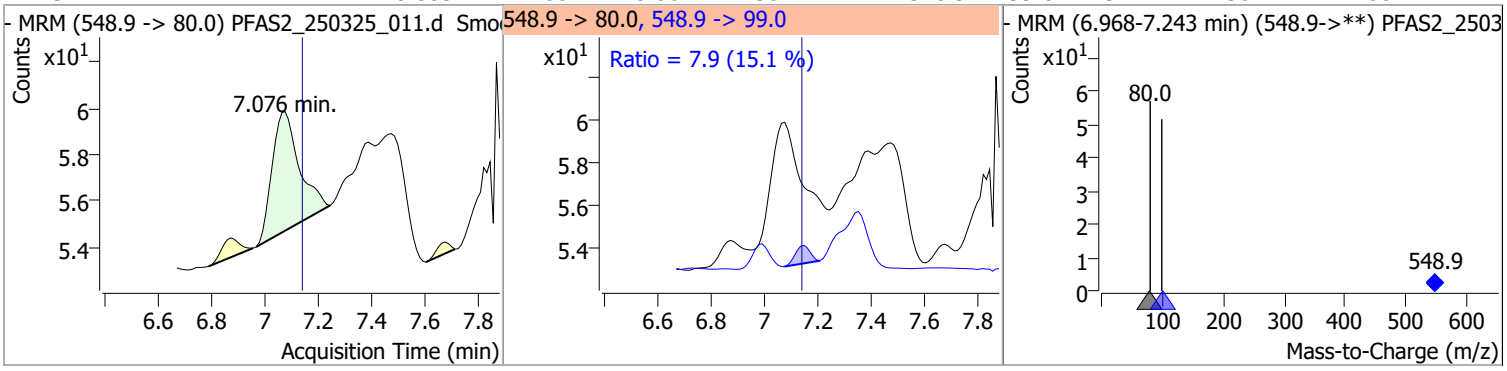
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0155	6.90	-0.07	77	563.0 -> 269.0	54.0	11.0	20.4



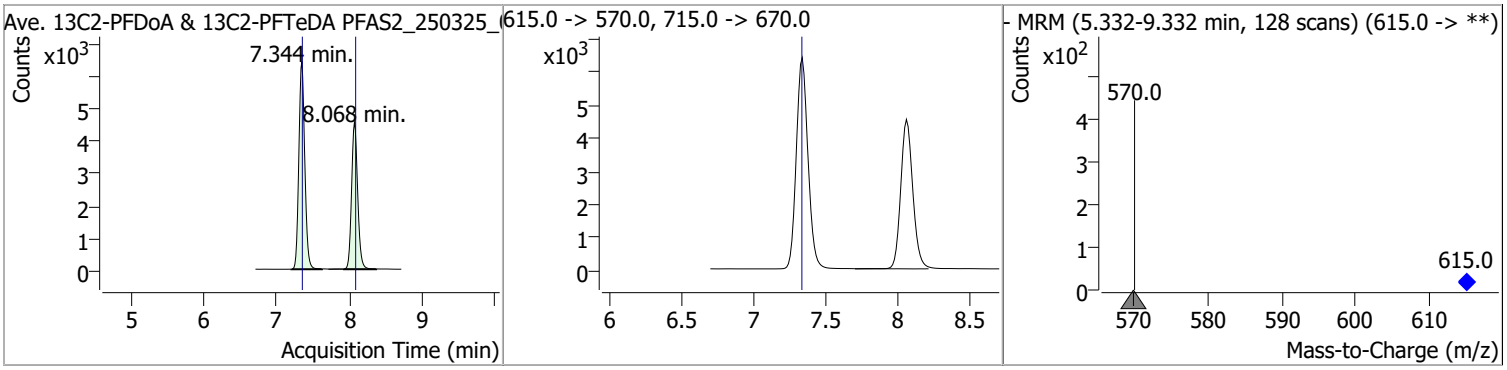
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0658	6.99	-0.04	36	532.8 -> 353.0		21.7	40.3



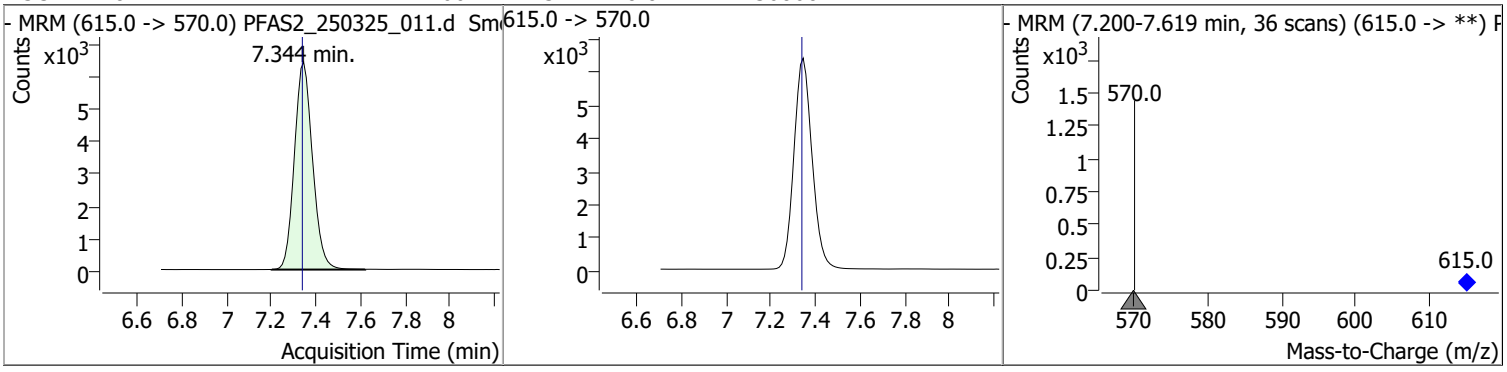
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0052	7.08	-0.06	38	548.9 -> 99.0	7.9	36.7	68.1



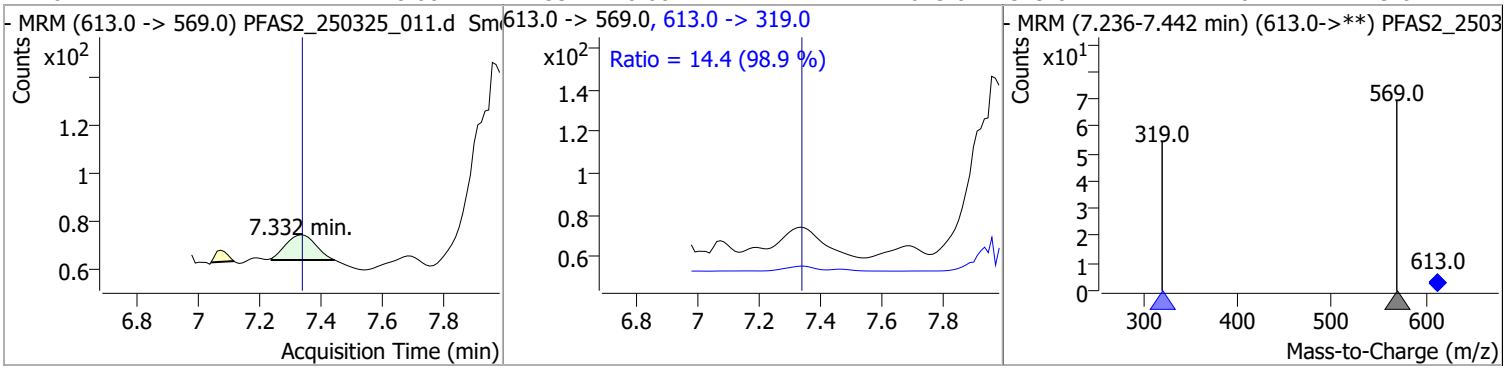
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1087	7.71	0.37	31224				



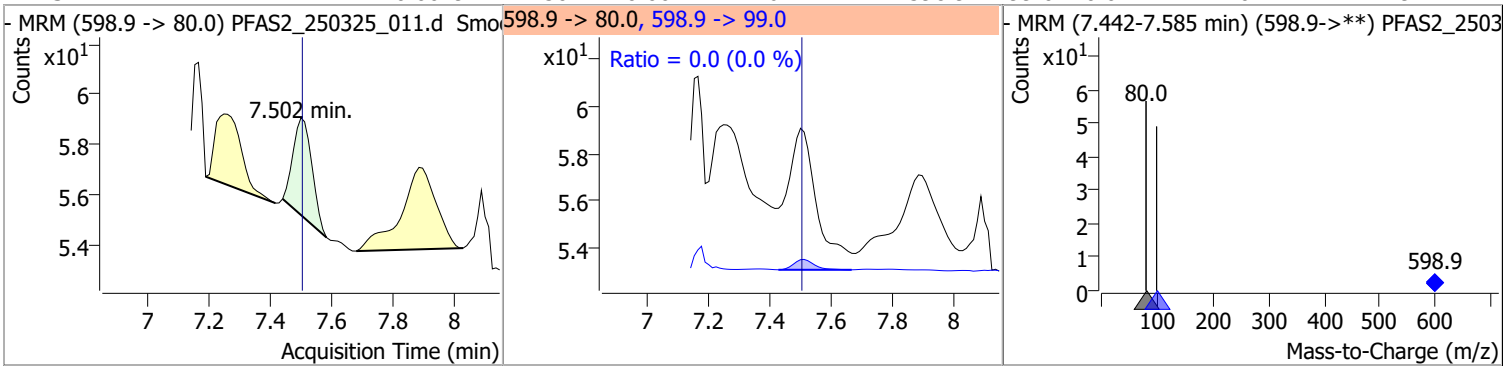
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4166	7.34	0.01	36060				



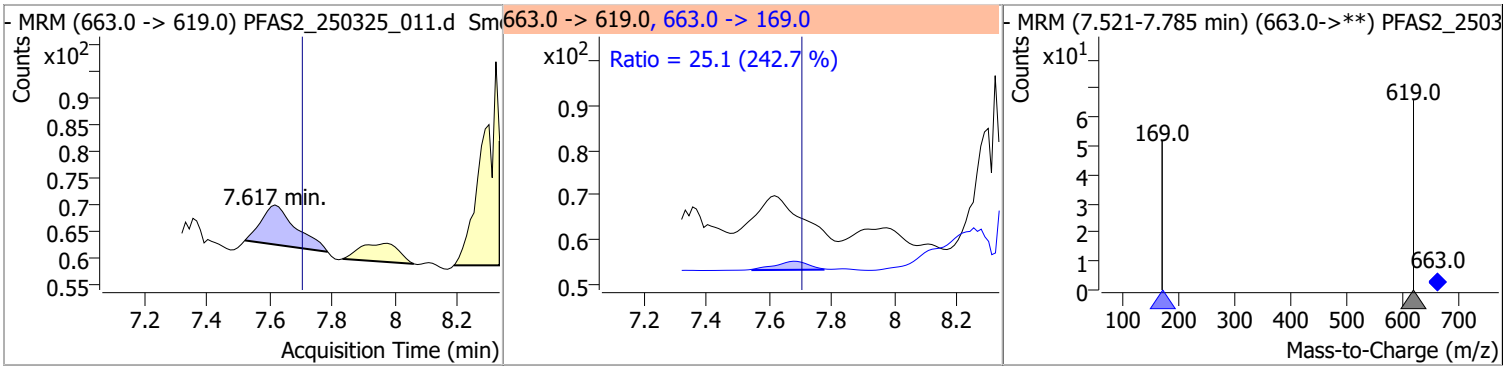
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0027	7.33	0.00	72	613.0 -> 319.0	14.4	10.2	19.0



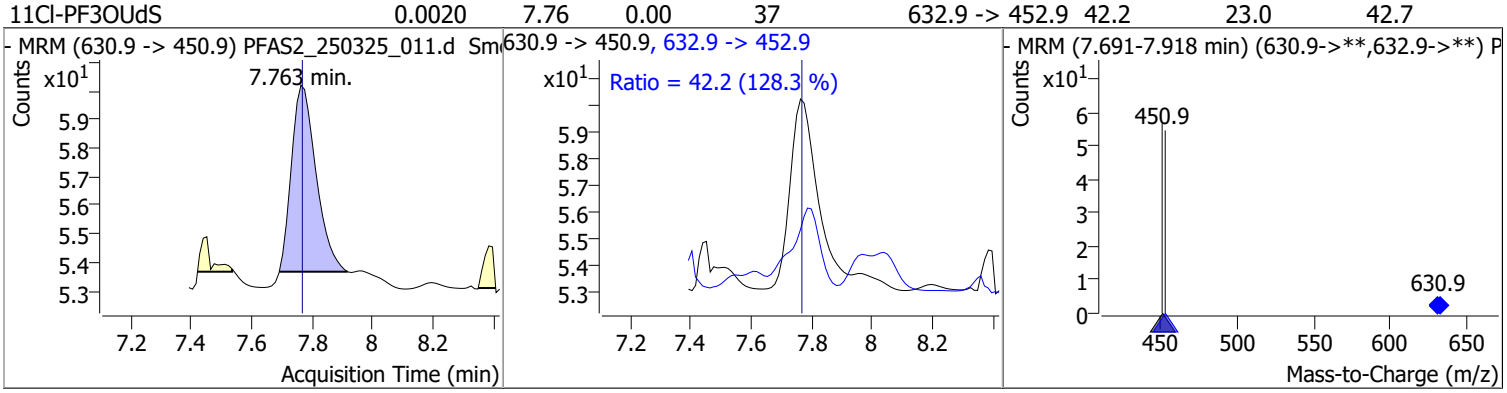
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0029	7.50	0.00	16	598.9 -> 99.0	0.0	40.4	74.9



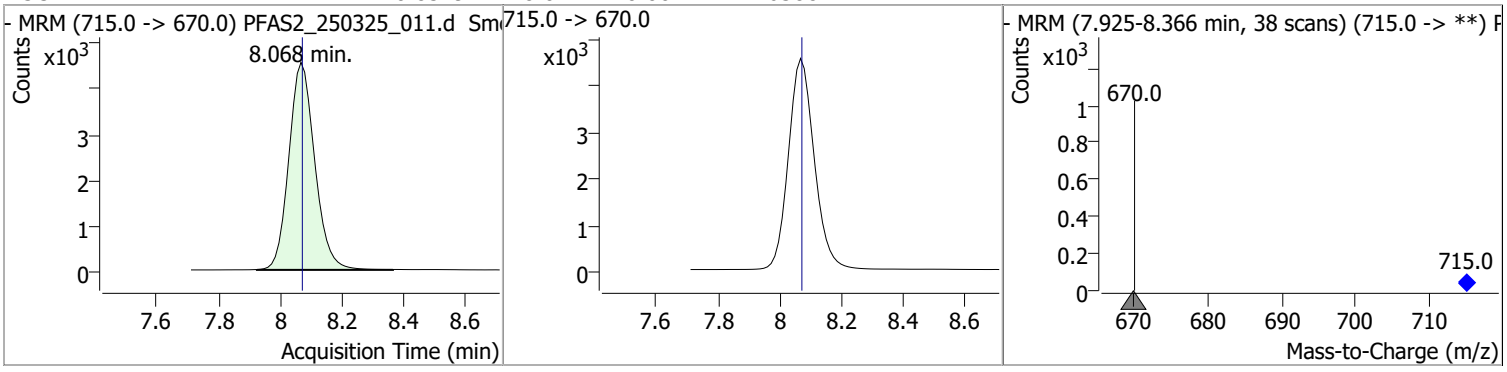
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0024	7.62	-0.08	57	663.0 -> 169.0	25.1	7.2	13.4



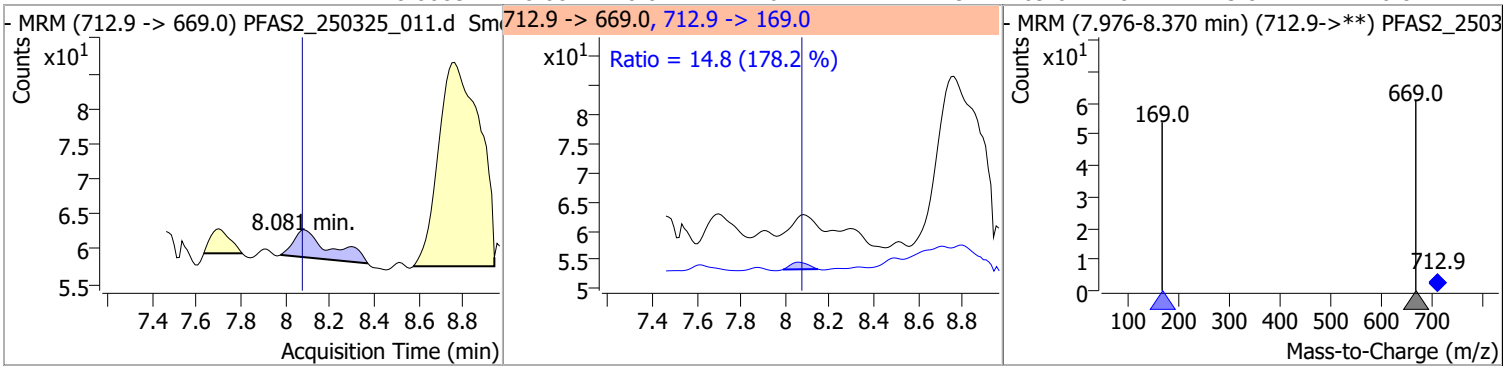
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0020	7.76	0.00	37	632.9 -> 452.9	42.2	23.0	42.7



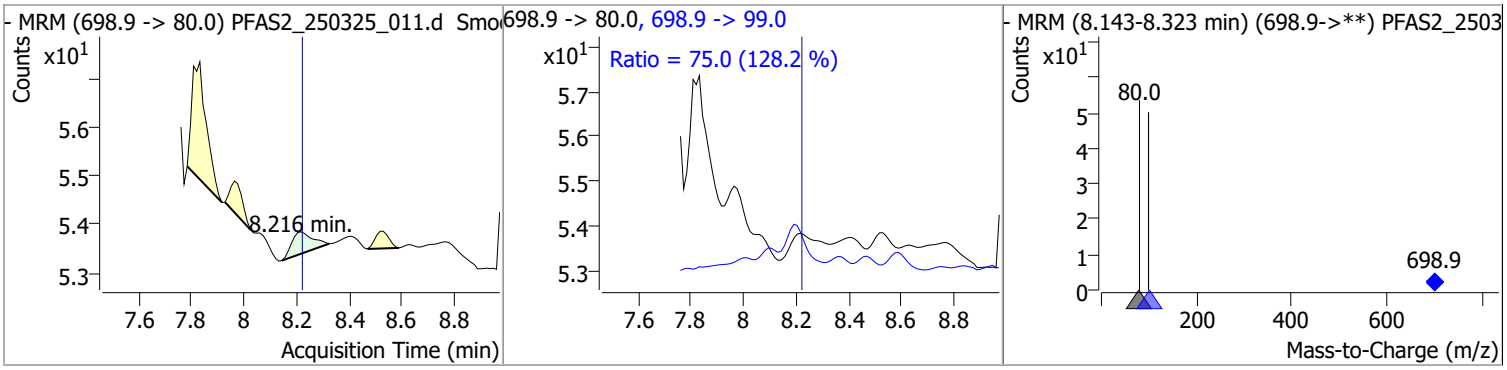
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8549	8.07	0.00	26388				



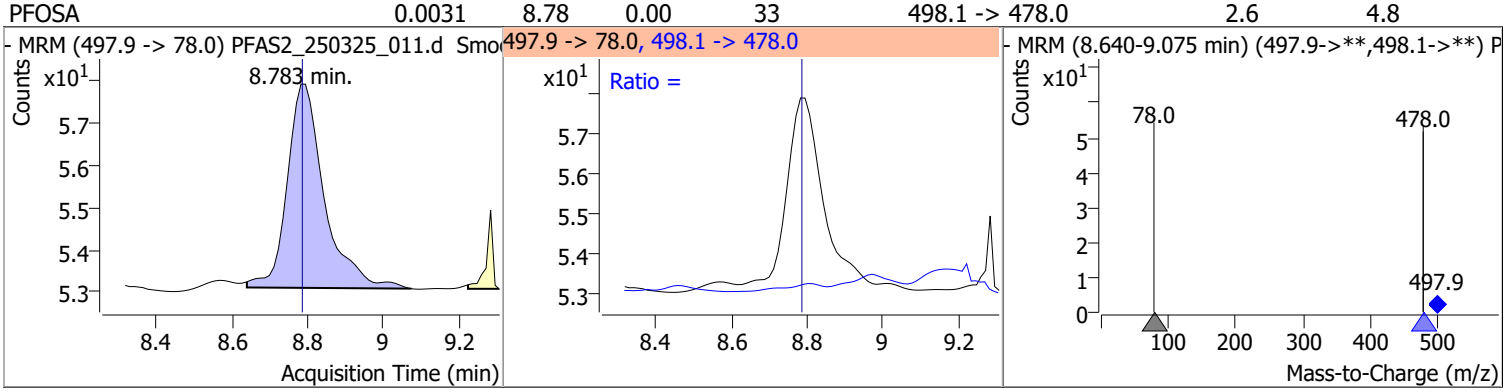
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0085	8.08	0.01	46	712.9 -> 169.0	14.8	5.8	10.8



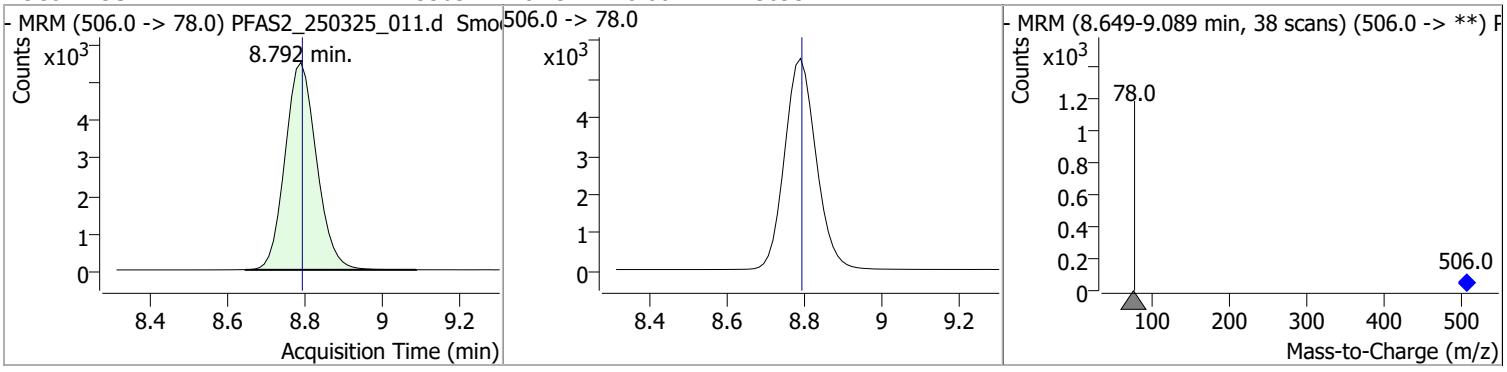
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0010	8.22	0.00	4	698.9 -> 99.0	75.0	41.0	76.1



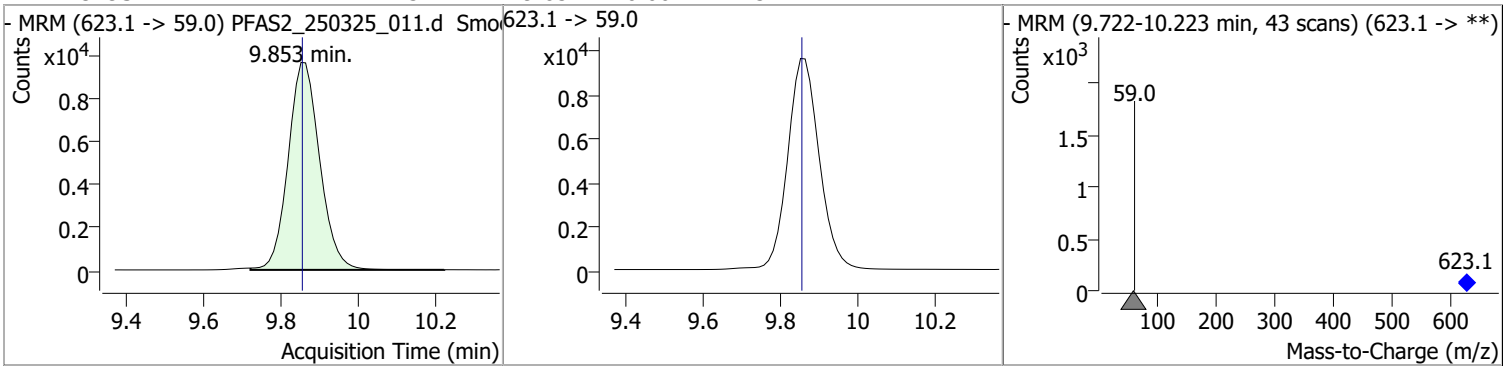
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0031	8.78	0.00	33	498.1 -> 478.0		2.6	4.8



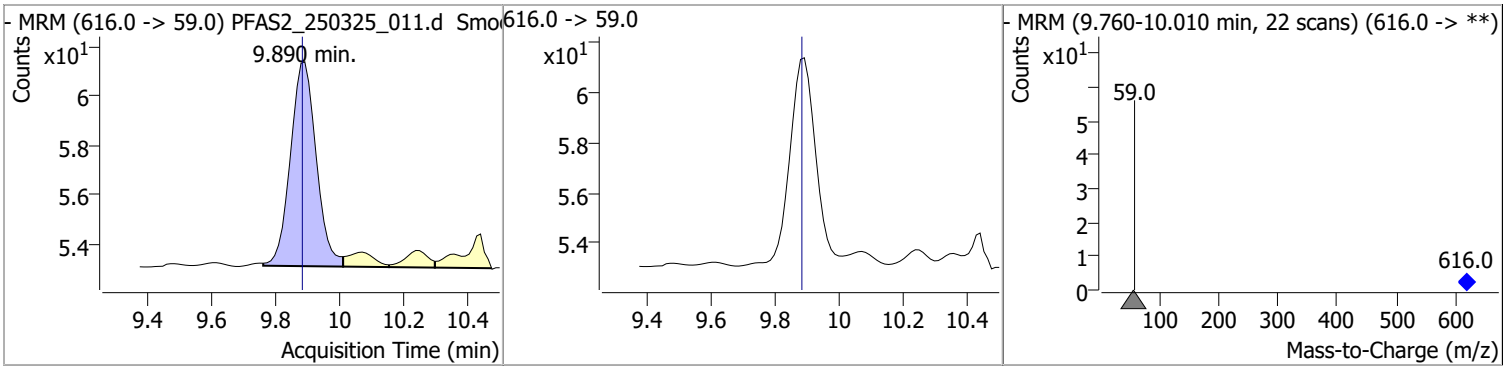
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5565	8.79	0.00	30934				



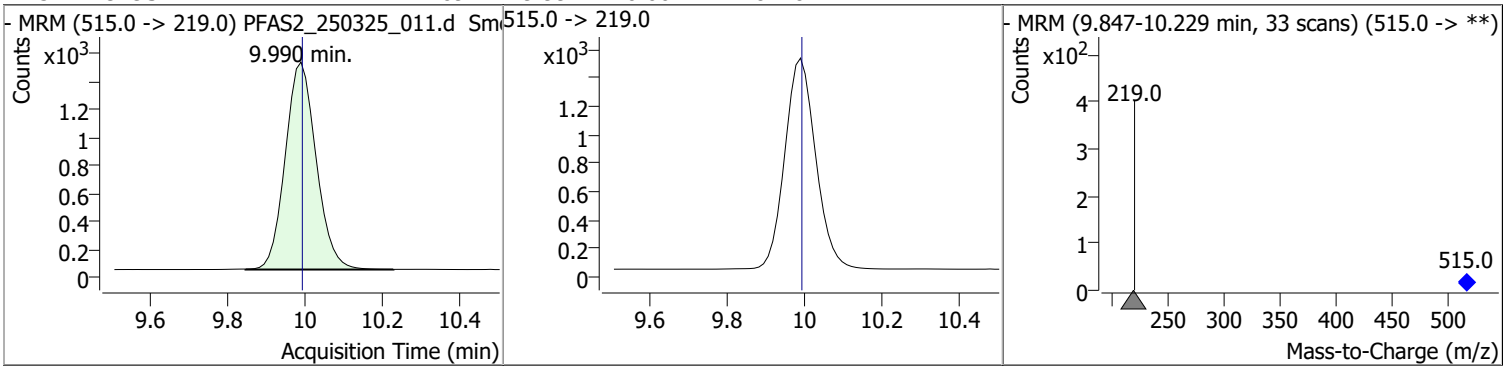
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	13.2742	9.85	0.00	54447				



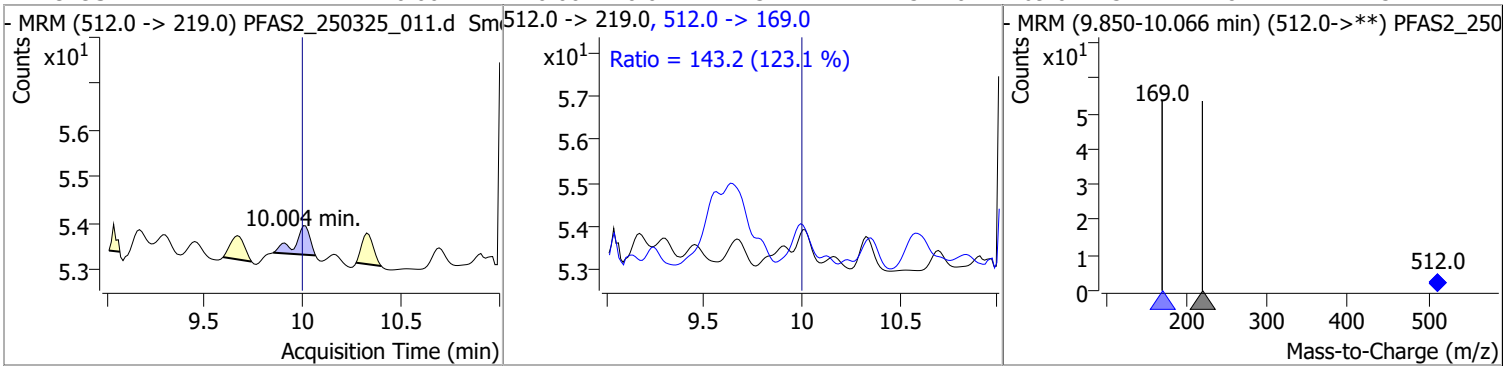
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.89	0.01	47				



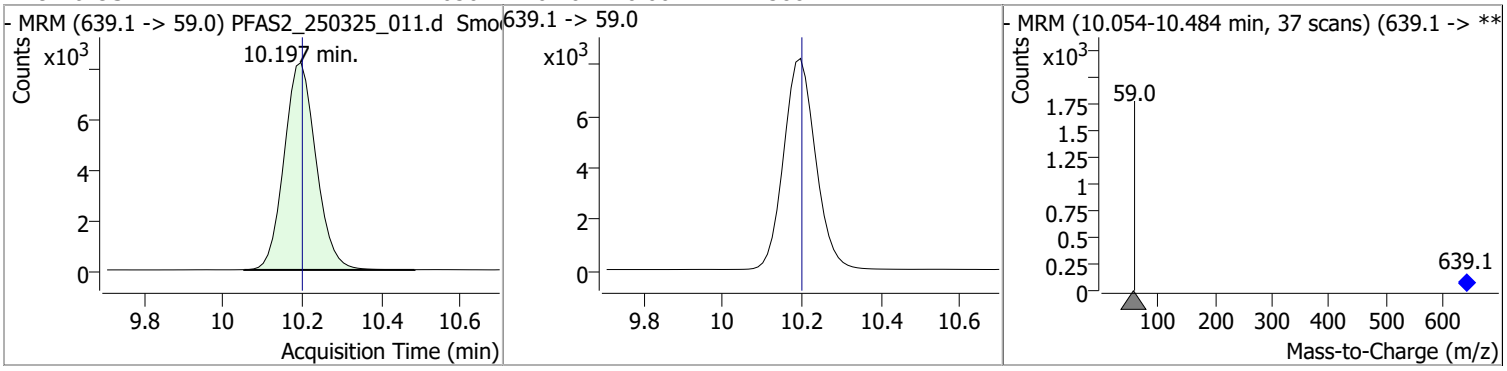
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4289	9.99	0.00	8248				



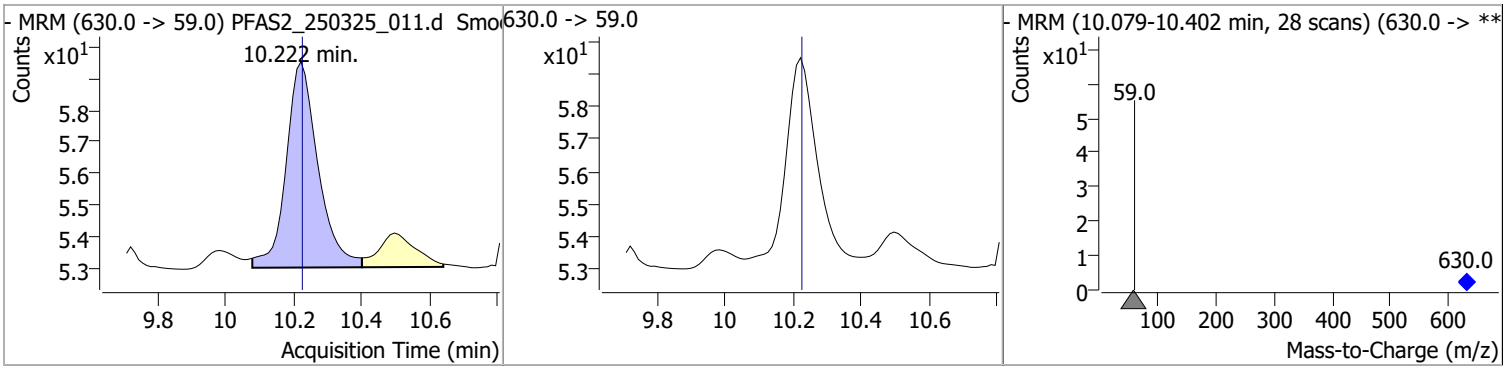
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0011	10.00	0.01	3	512.0 -> 169.0	143.2	81.4	151.2



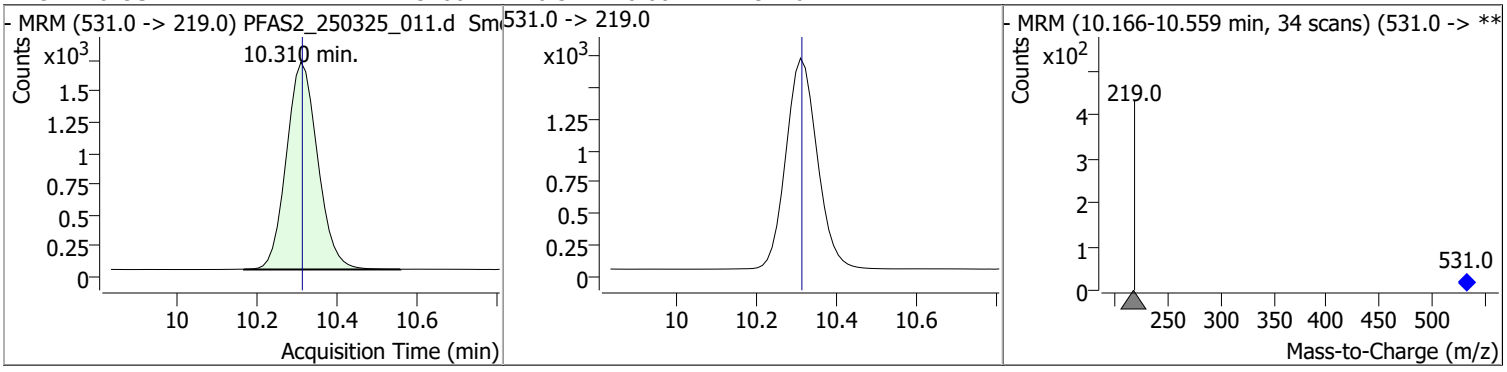
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.1050	10.20	0.00	45882				



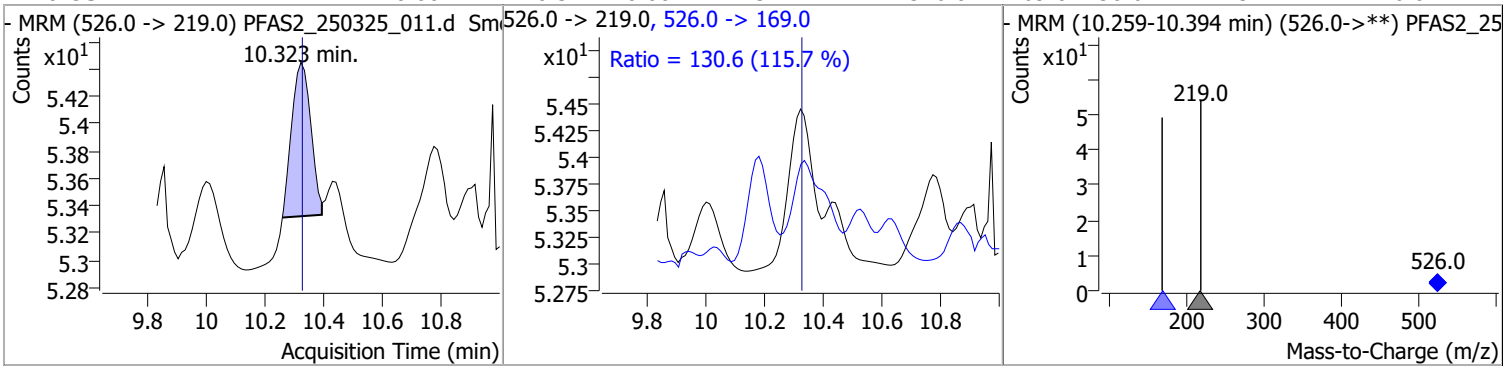
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0353	10.22	0.00	43				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5100	10.31	0.00	9216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0014	10.32	0.00	5	526.0 -> 169.0	130.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_021.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 7:55:29 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

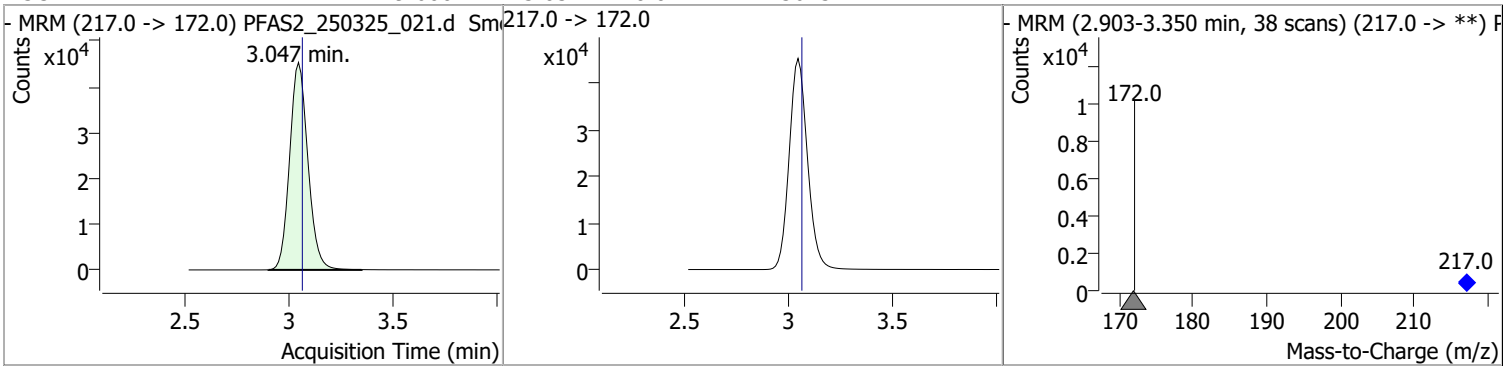
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	126342	5.0000	µg/L		-7.674
13C2-PFHxA	4.890	315.0 -> 270.0	149771	2.5000	µg/L		-2.382
18O2-PFHxS	5.943	403.0 -> 84.0	29914	2.5000	µg/L		0.957
13C4-PFOA	5.823	417.0 -> 172.0	15808	2.5000	µg/L		2.331
13C5-PFNA	6.214	468.0 -> 423.0	72369	1.2500	µg/L		1.682
13C2-PFDA	6.592	515.0 -> 470.0	66395	1.2500	µg/L		-0.720
13C4-PFOS	6.759	503.0 -> 80.0	25703	2.5000	µg/L		3.188
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	275625	10.0000	µg/L		-11.326
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.00%			
13C5-PFPeA	4.222	268.0 -> 223.0	186729	5.0000	µg/L		-9.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.45%			
13C5-PFPeA	4.222	268.0 -> 223.0	186729	5.0000	µg/L		-9.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.45%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	22299	5.0000	µg/L		-11.738
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.78%			
13C5-PFHxA	4.889	318.0 -> 273.0	149729	2.5000	µg/L		-11.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	149729	2.5000	µg/L		-11.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
13C3-PFBS	4.929	302.0 -> 80.0	55677	2.5000	µg/L		-8.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163765	10.0000	µg/L		-6.297
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.98%			
13C4-PFHpA	5.385	367.0 -> 322.0	179131	2.5000	µg/L		-5.165
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%			
13C3-PFHxS	5.944	402.0 -> 80.0	33460	2.5000	µg/L		-4.260
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.86%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12406	5.0000	µg/L	#	-15.999
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 83.29%			
13C8-PFOA	5.823	421.0 -> 376.0	162028	2.5000	µg/L		-6.202
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.68%			
13C3-PFHxS	5.944	402.0 -> 80.0	33460	2.5000	µg/L		-4.260
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.86%			
13C9-PFNA	6.213	472.0 -> 427.0	64917	1.2500	µg/L		-7.872
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.56%			
13C8-PFOS	6.759	507.0 -> 80.0	25437	2.5000	µg/L		0.605
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.53%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	8716	5.0000	µg/L	#	-26.422
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 72.79%			
13C6-PFDA	6.591	519.0 -> 474.0	71541	1.2500	µg/L		5.269
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.93%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	57081	5.0000	µg/L		2.262
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.99%			
13C8-PFOS	6.759	507.0 -> 80.0	25437	2.5000	µg/L		0.605

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.53%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	43022	5.0000	µg/L		2.022
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.82%			
13C7-PFUnDA	6.966	570.0 -> 525.0	55022	1.2500	µg/L		2.648
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.38%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	47301	1.2500	µg/L		7.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.82%			
13C2-PFDoDA	7.344	615.0 -> 570.0	43841	1.2500	µg/L		9.752
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 110.56%			
13C2-PFTDA	8.068	715.0 -> 670.0	50761	1.2500	µg/L		5.127
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.57%			
13C8-PFOSA	8.792	506.0 -> 78.0	34807	2.5000	µg/L		-5.829
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.08%			
13C8-PFOSA	8.792	506.0 -> 78.0	34807	2.5000	µg/L		-5.829
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.08%			
2H7-MeFOSE	9.853	623.1 -> 59.0	82918	25.0000	µg/L		-34.006
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 64.00%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10922	2.5000	µg/L		5.334
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.84%			
2H9-EtFOSE	10.185	639.1 -> 59.0	62390	25.0000	µg/L		-1.762
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.17%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12651	2.5000	µg/L		12.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 109.09%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.514	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.465	279.0 -> 85.0	93	0.0372	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.811	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.470	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.539	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.642	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.824	413.0 -> 369.0	760	0.0482	µg/L		94
PFHxS	5.945	398.9 -> 80.0	180	0.0138	µg/L		98
PFNA	0.000		0	N.D.			
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.815	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.580	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.620	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.719	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	343	0.0647	µg/L		86
N-EtFOSAA	6.847	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.931	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.053	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.040	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.308	613.0 -> 569.0	0	0.0000	µg/L	md	

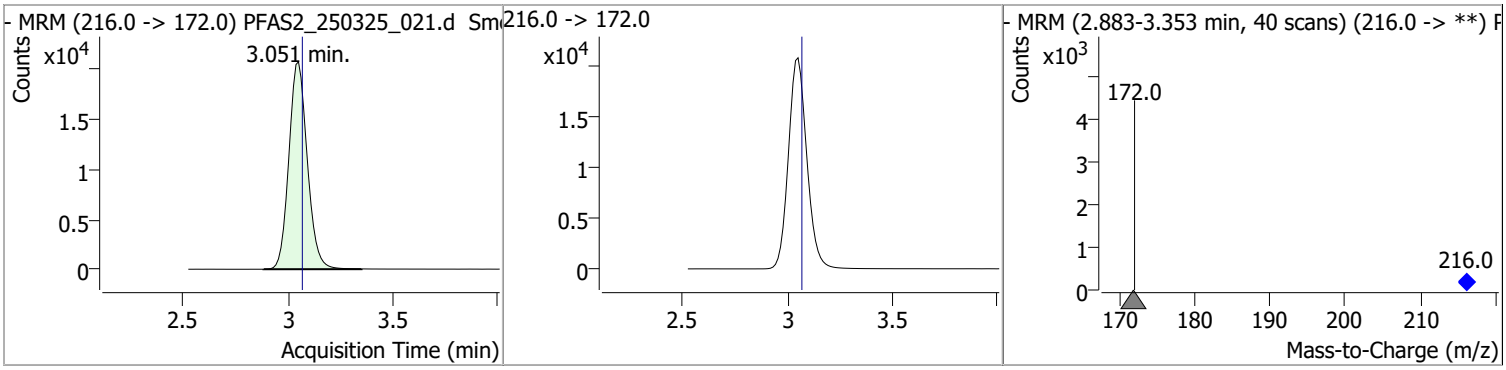
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.617	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.763	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.069	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.216	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	9.878	616.0 -> 59.0	116	0.0002	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.222	630.0 -> 59.0	76	0.0434	µg/L		100
N-EtFOSA	10.299	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

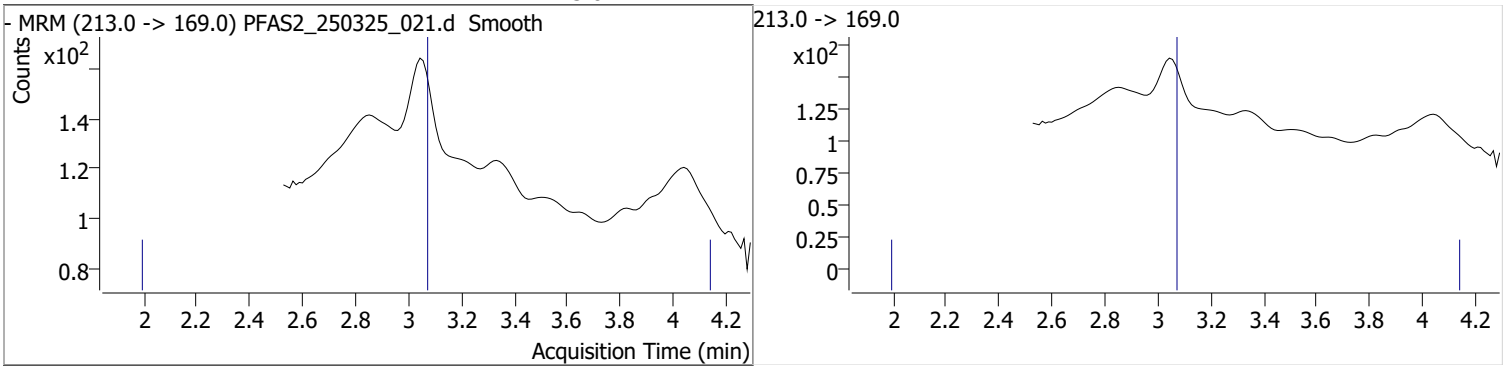
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6001	3.05	-0.01	275625				



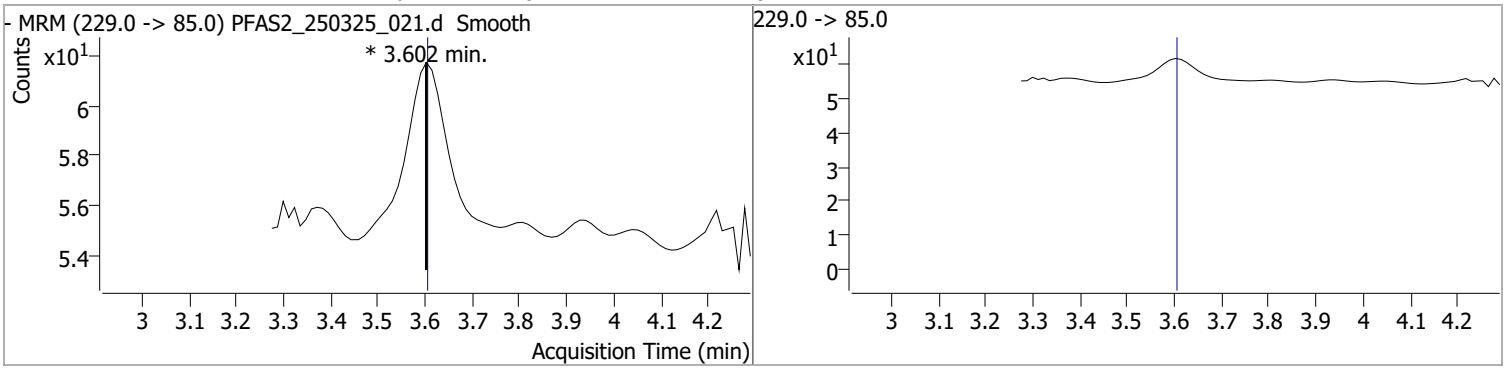
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	126342				



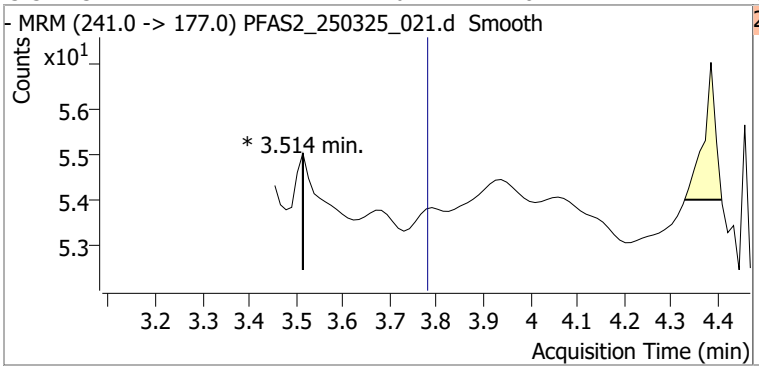
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		

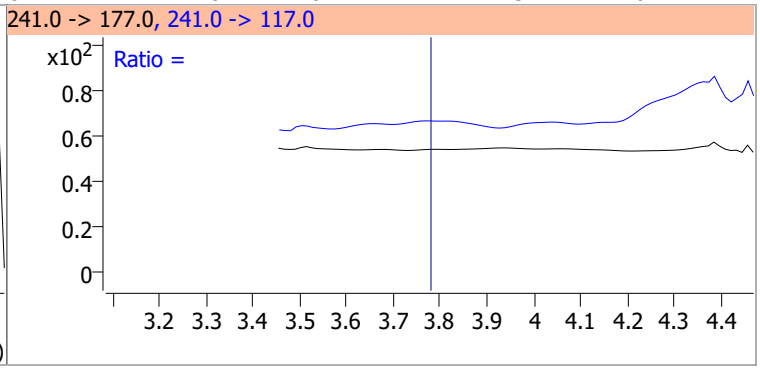


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

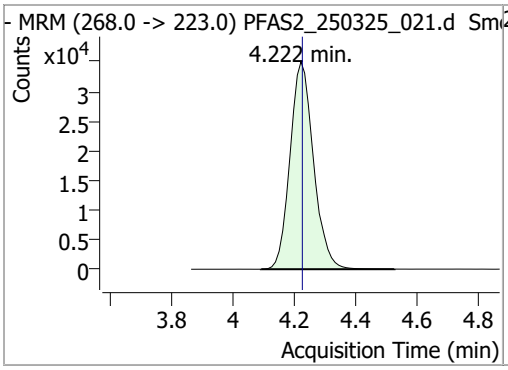


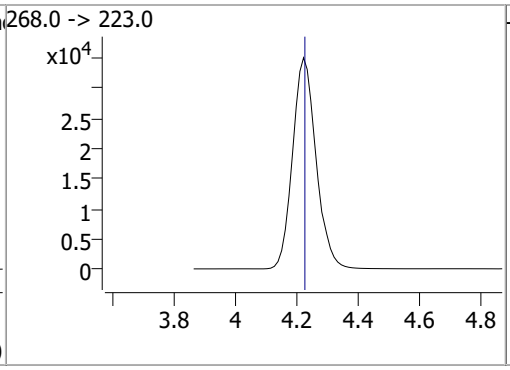
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

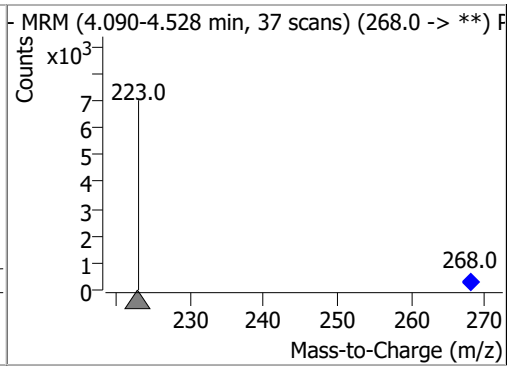




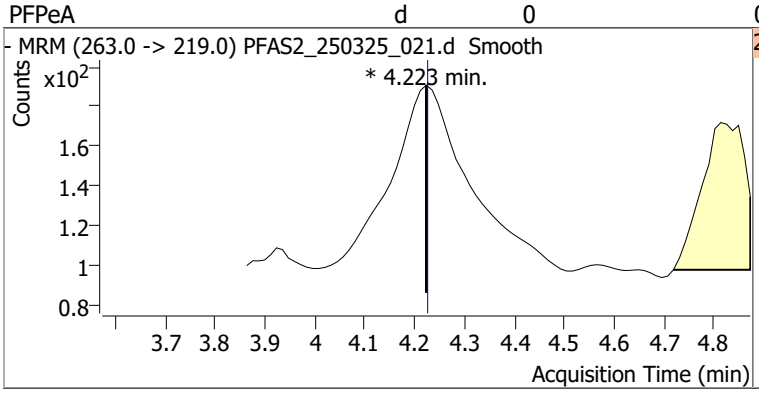
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6225	4.22	0.00	186729				

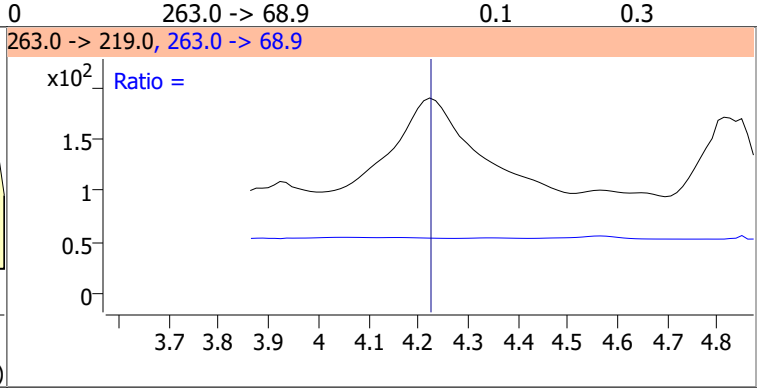




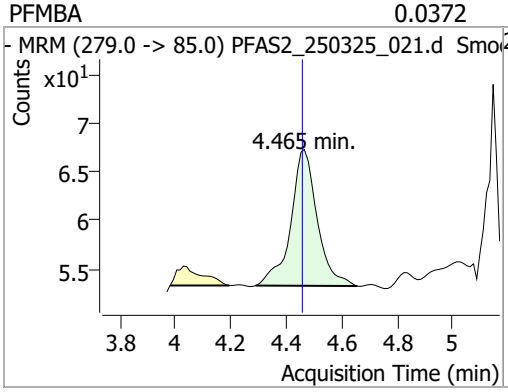


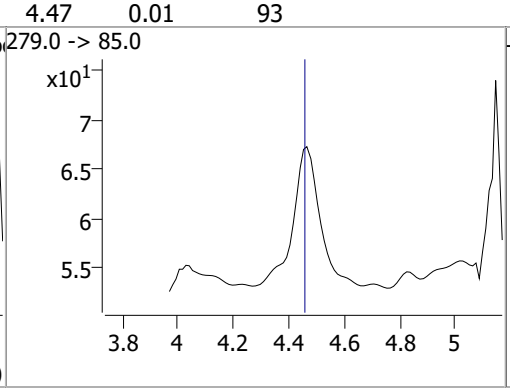
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

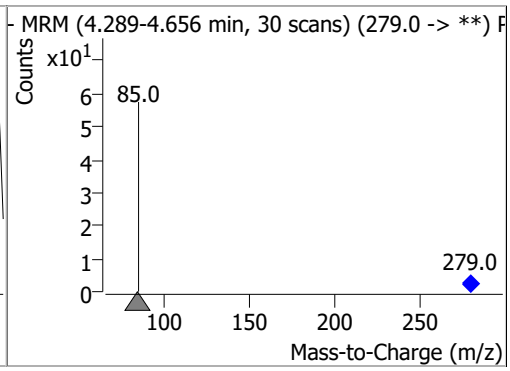




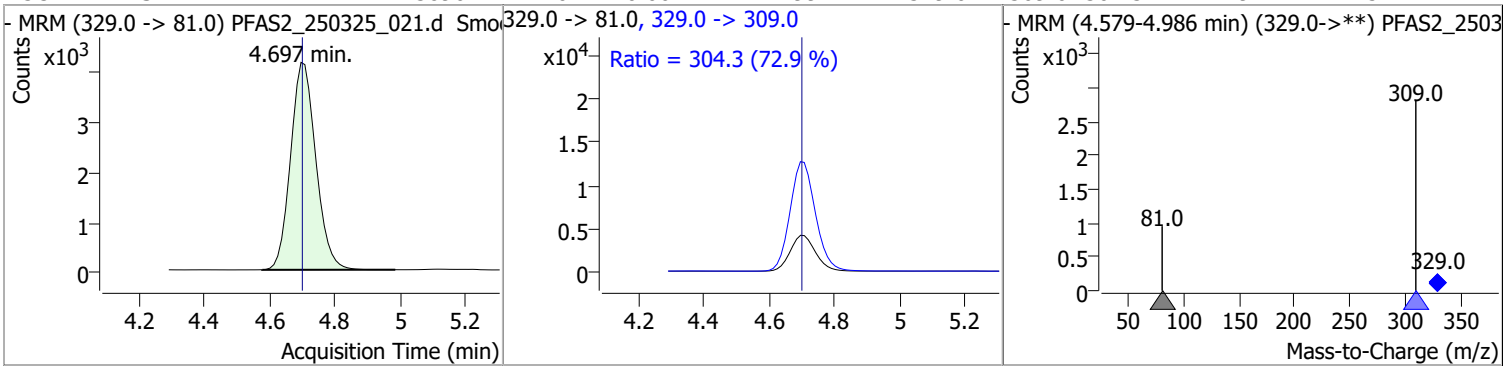
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0372	4.47	0.01	93				



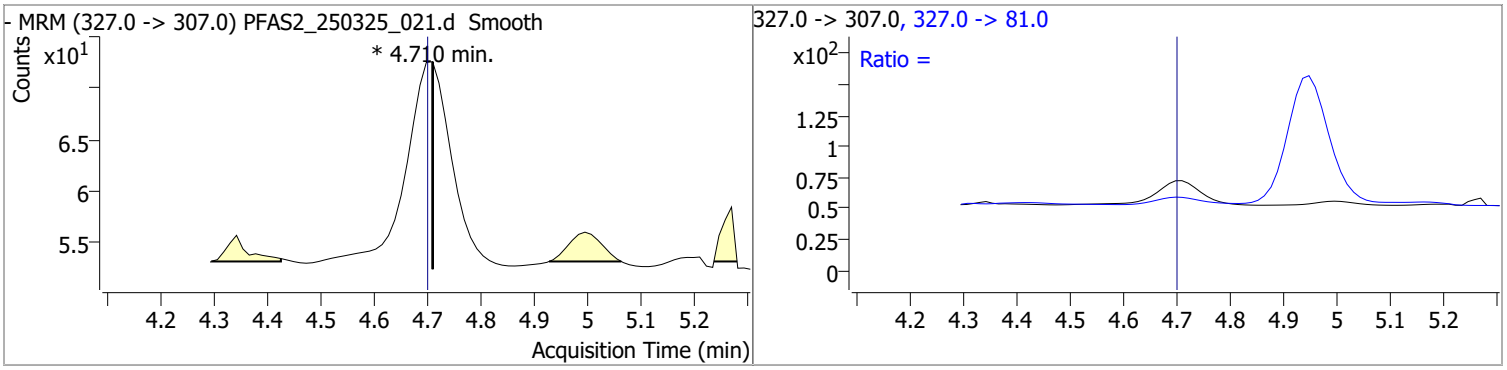




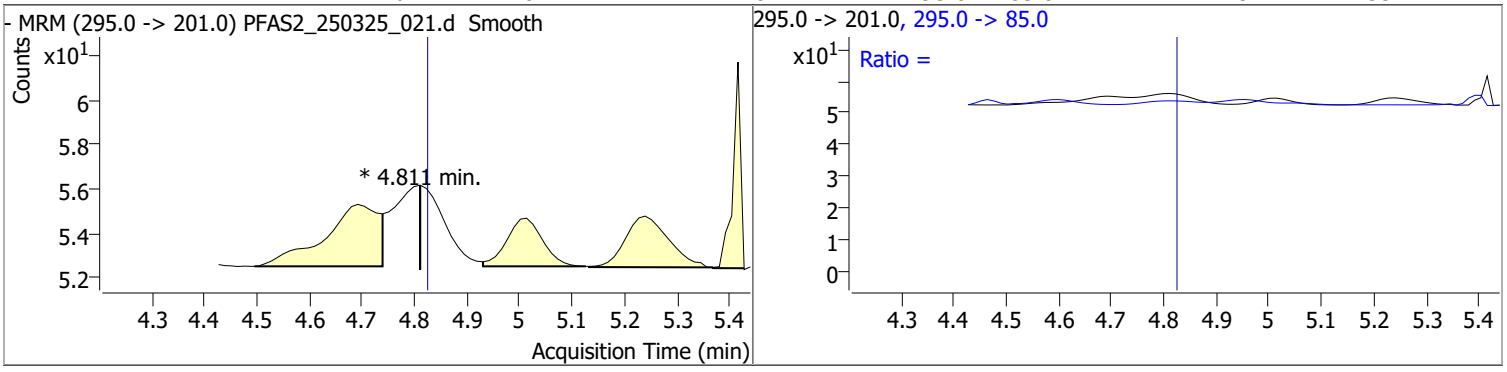
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.3890	4.70	0.00	22299	329.0 -> 309.0	304.3	292.1	542.4



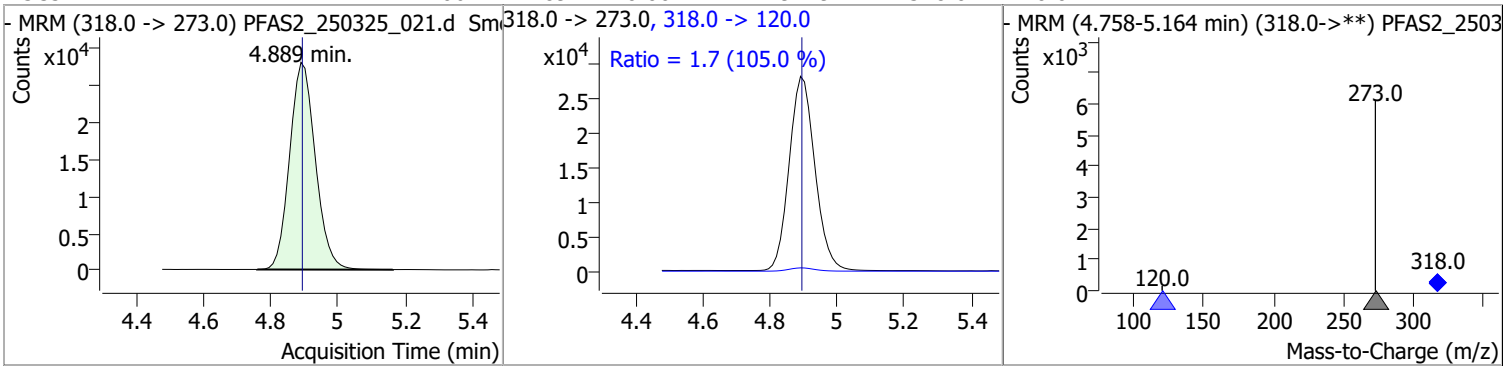
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



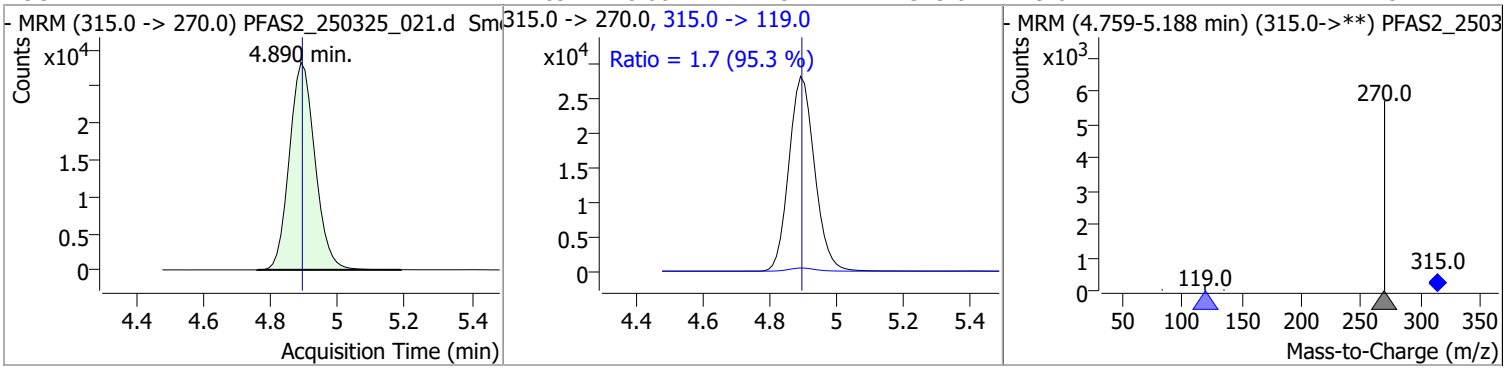
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



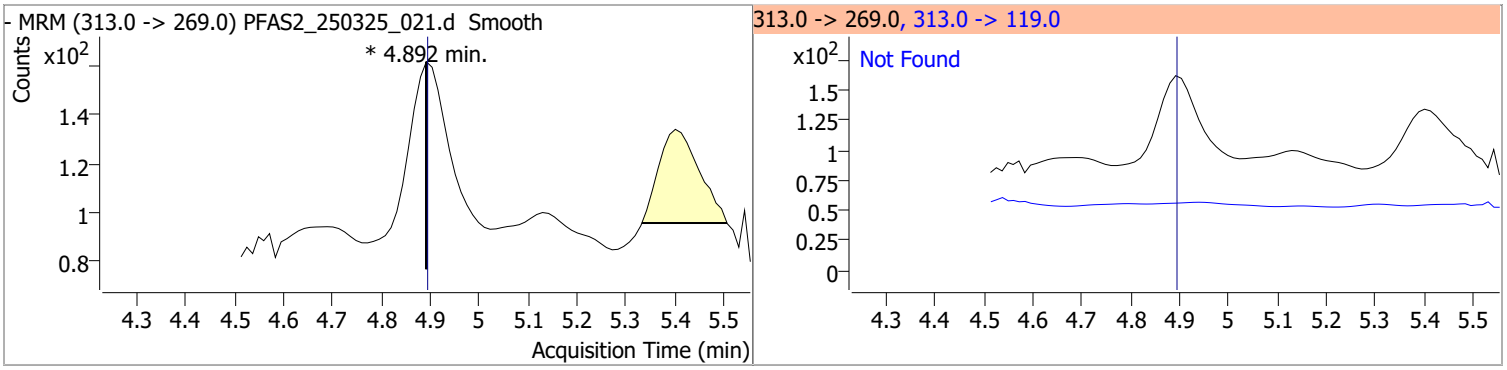
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2706	4.89	0.00	149729	318.0 -> 120.0	1.7	1.1	2.1



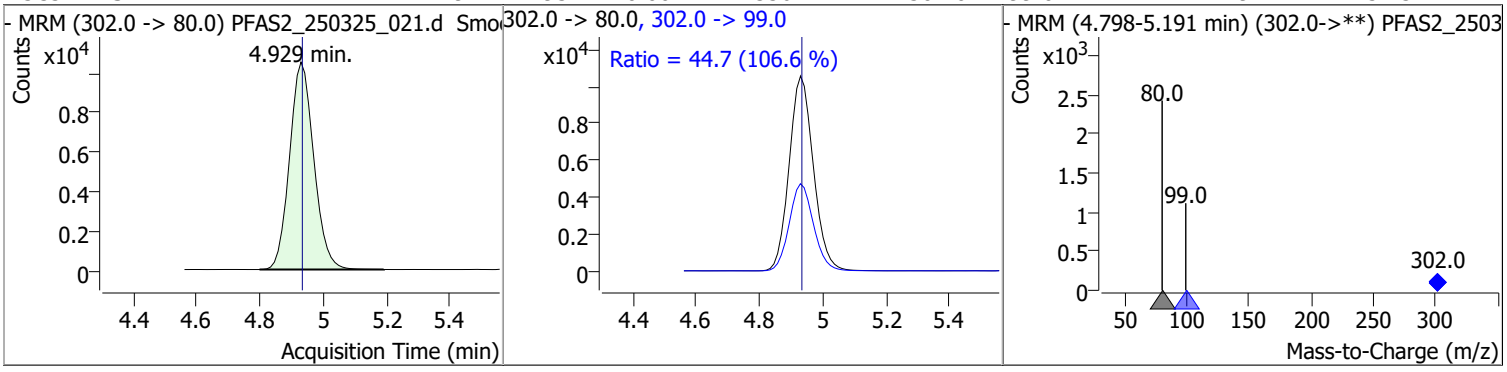
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	149771	315.0 -> 119.0	1.7	1.2	2.3



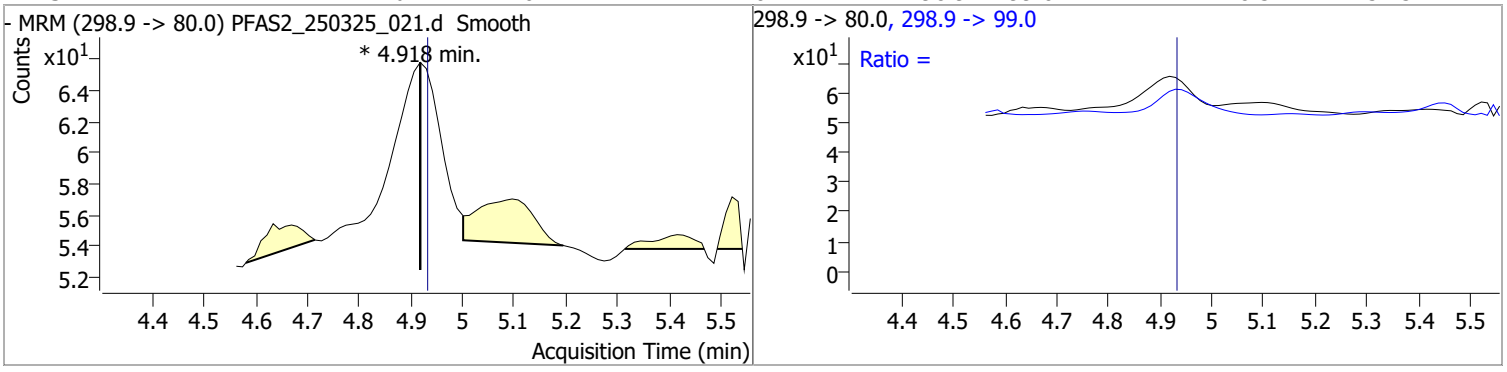
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



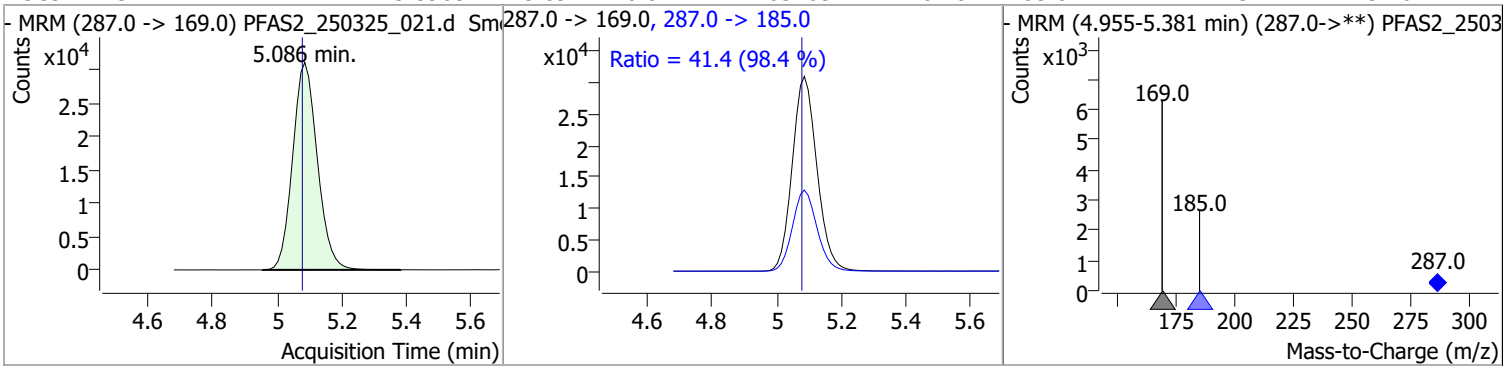
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2729	4.93	0.00	55677	302.0 -> 99.0	44.7	29.4	54.5



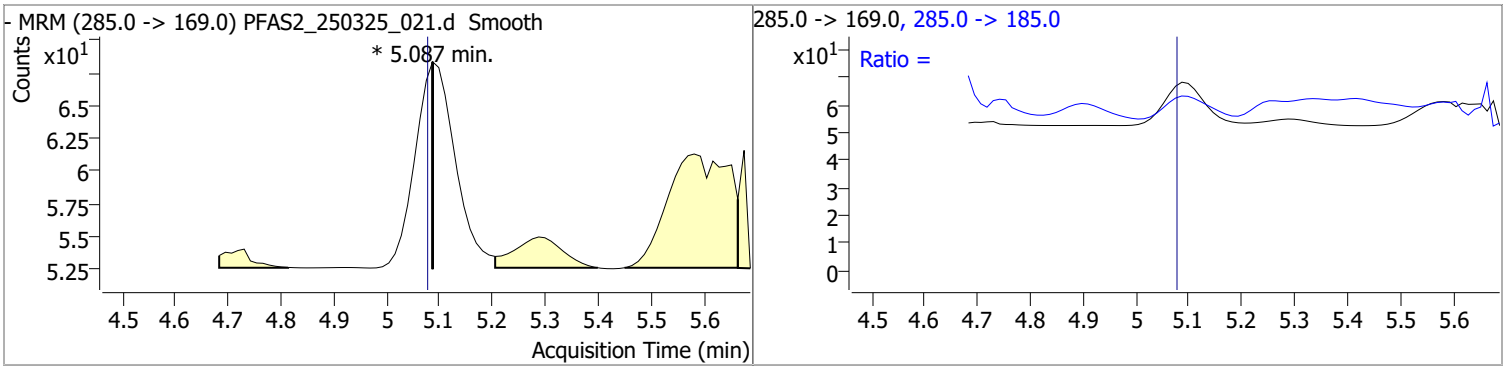
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



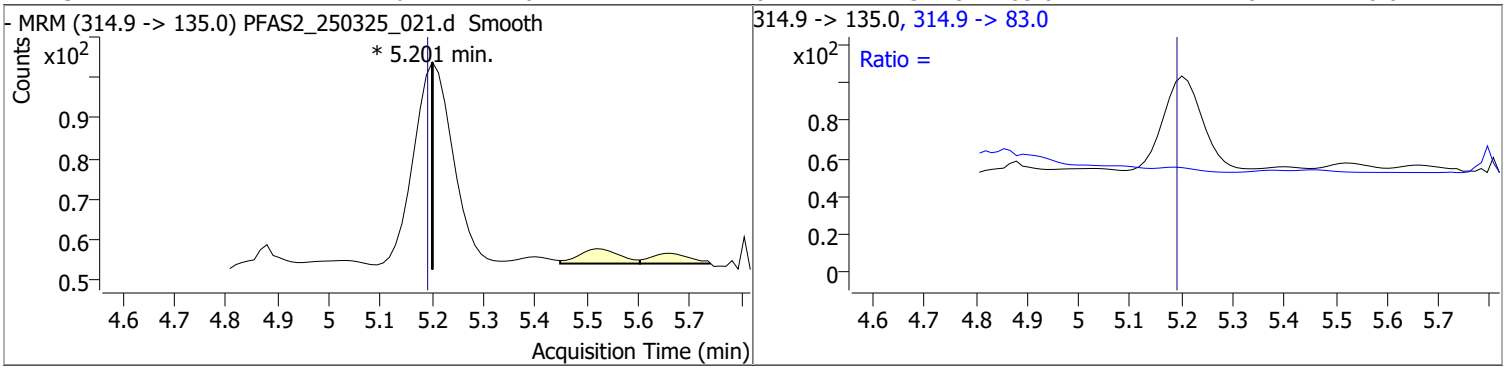
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5985	5.09	0.01	163765	287.0 -> 185.0	41.4	29.4	54.6



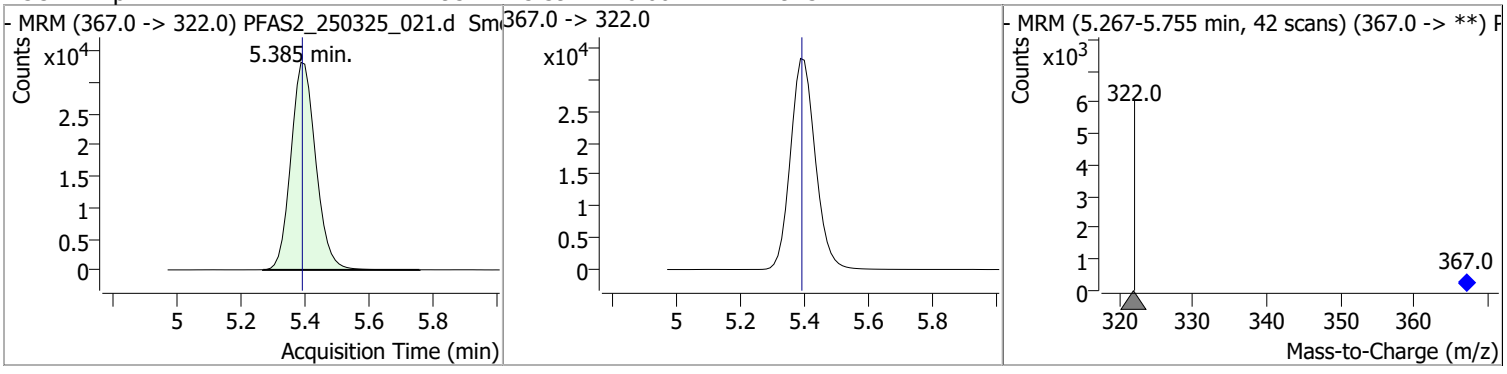
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



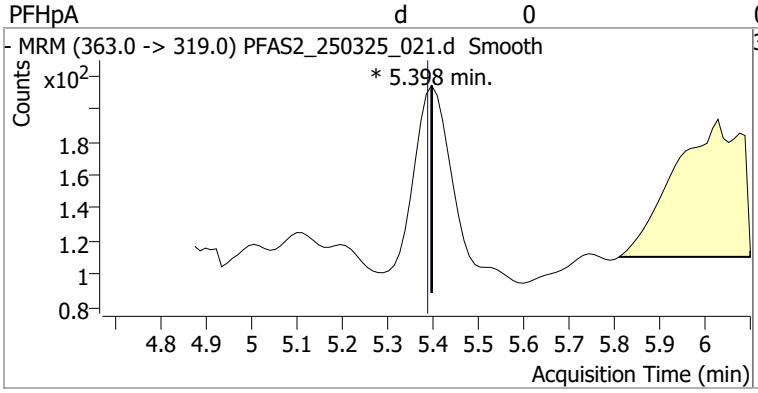
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

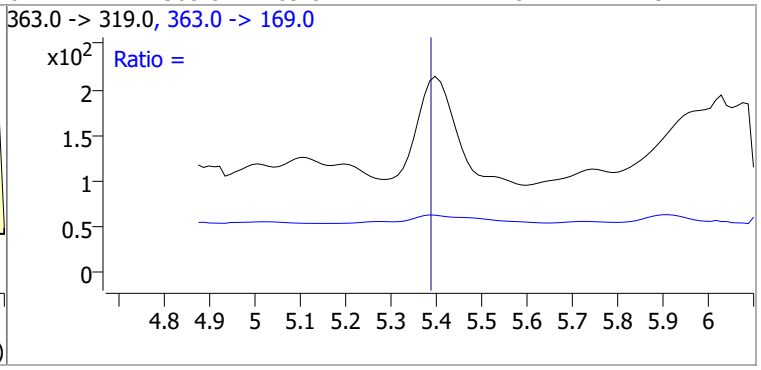


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4295	5.39	0.00	179131				

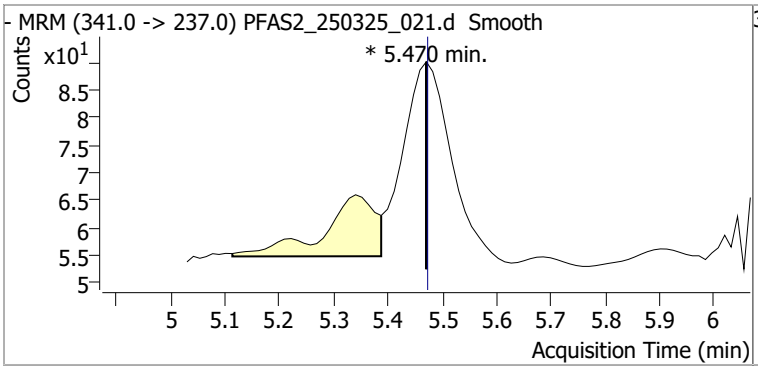


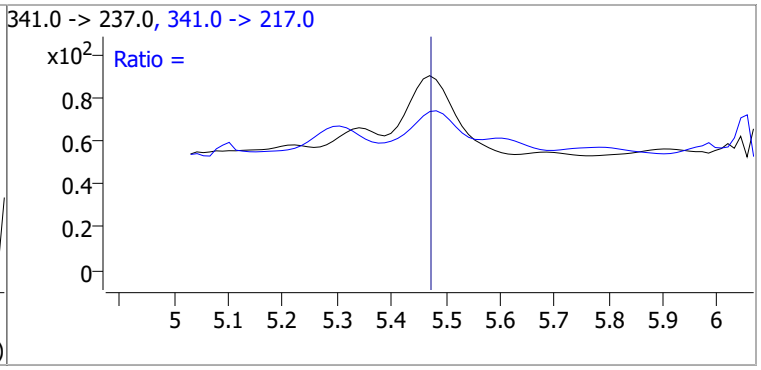
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



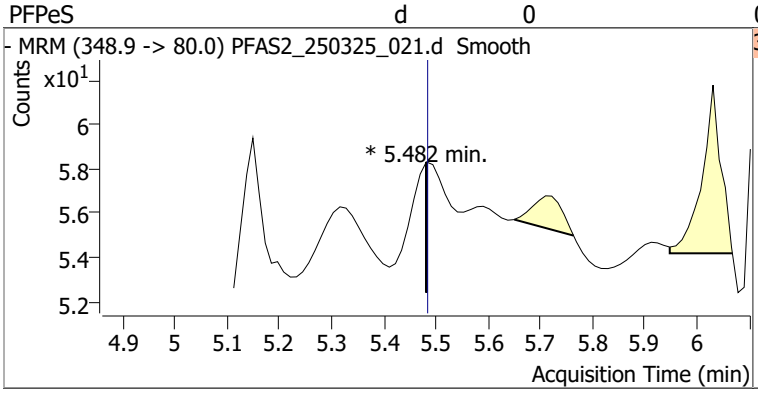


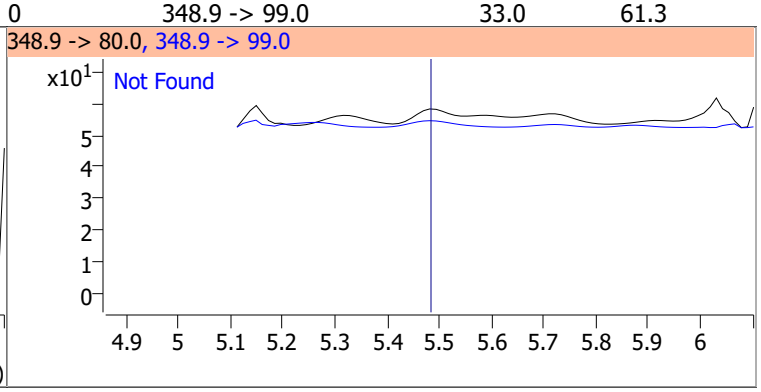
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



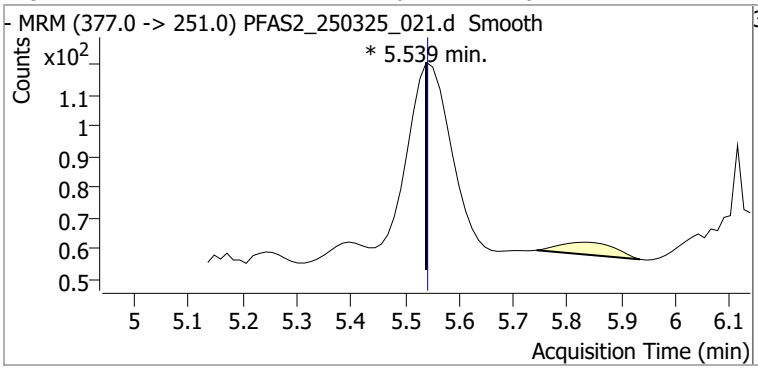


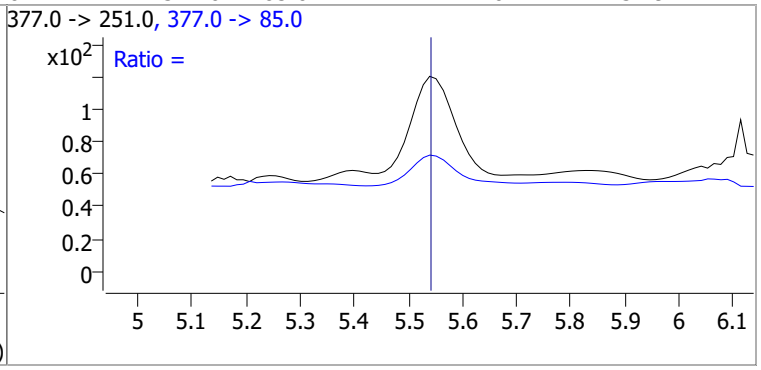
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



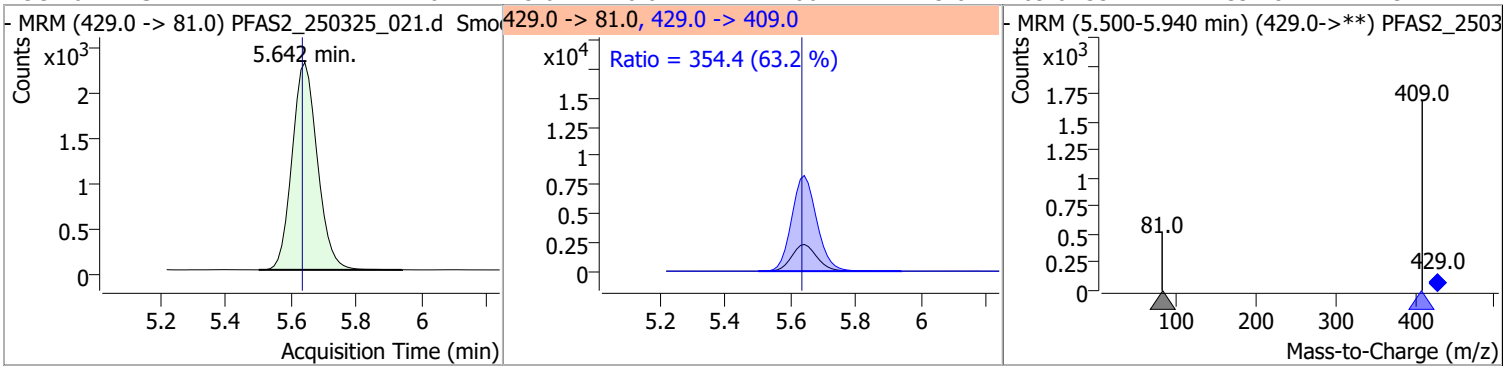


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

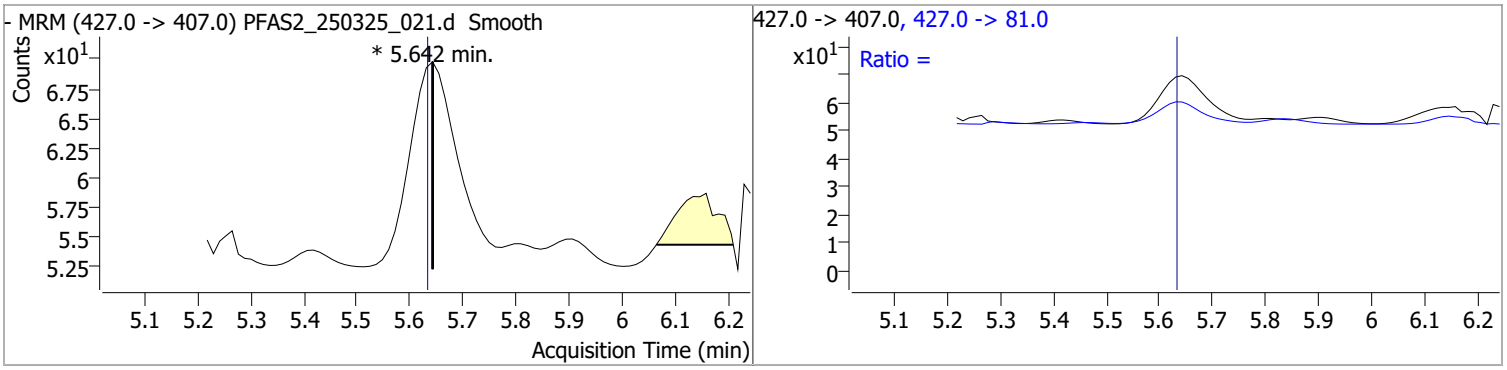




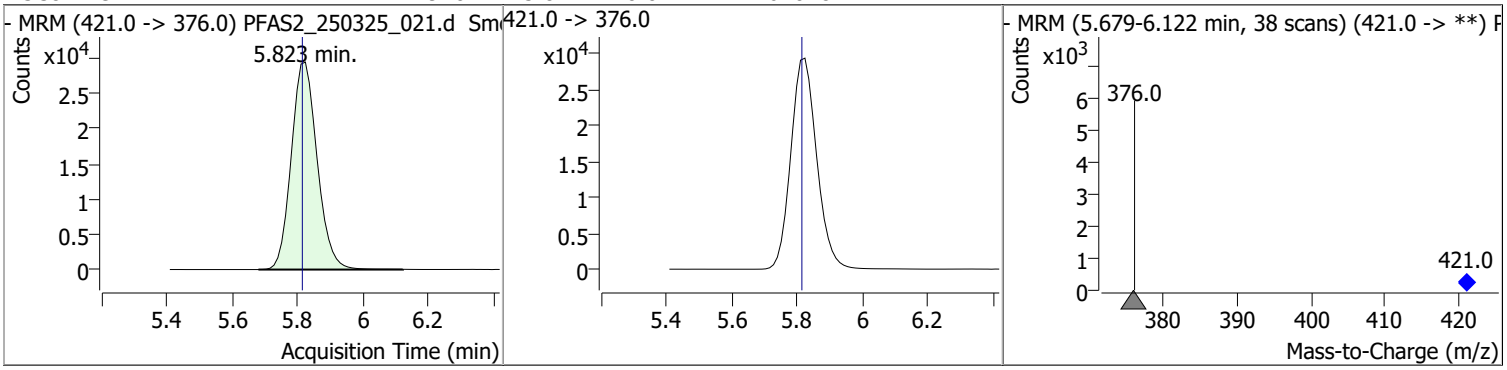
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.1647	5.64	0.01	12406	429.0 -> 409.0	354.4	392.8	729.4



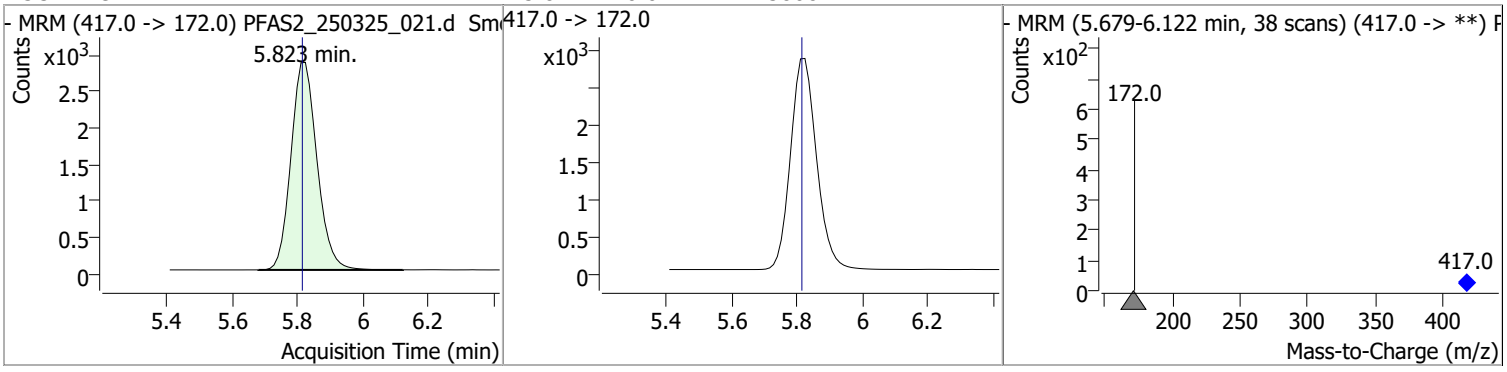
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



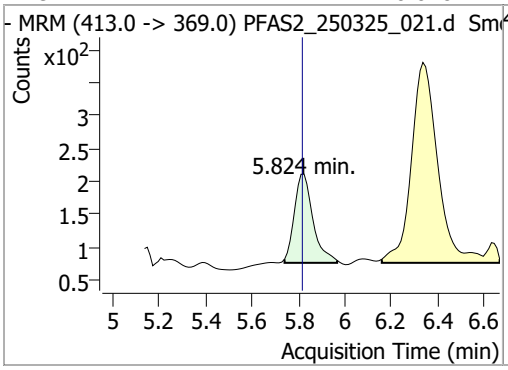
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2920	5.82	0.01	162028				

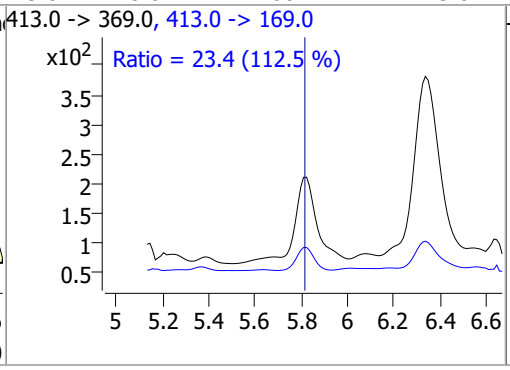


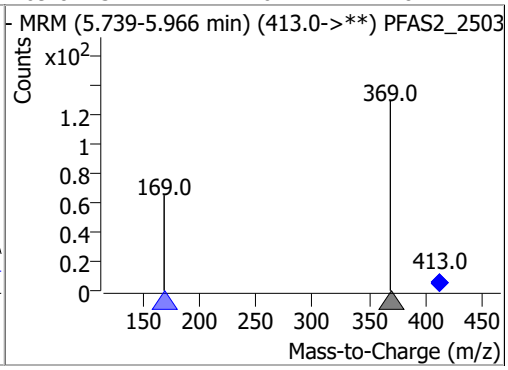
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	15808				



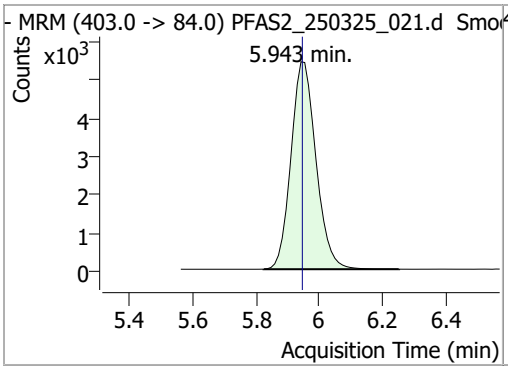
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0482	5.82	0.01	760	413.0 -> 169.0	23.4	14.6	27.0

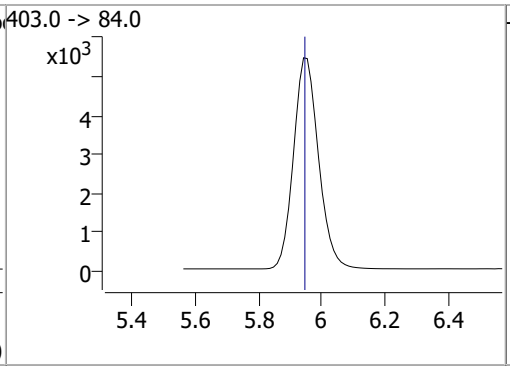


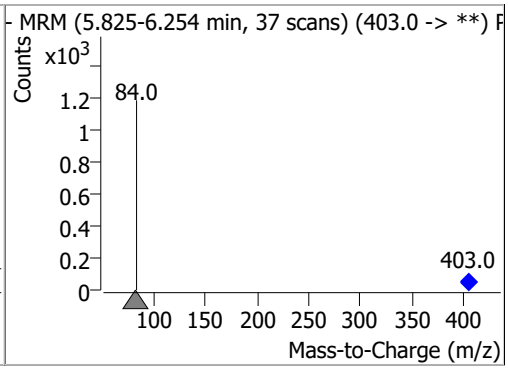




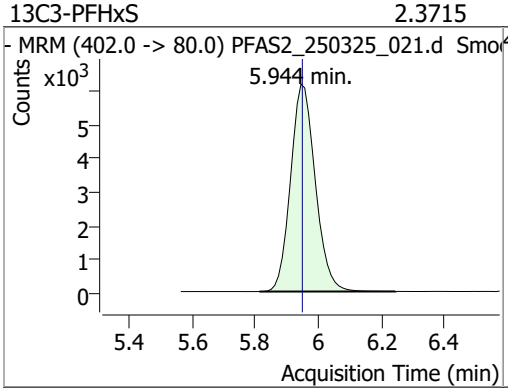
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	29914				

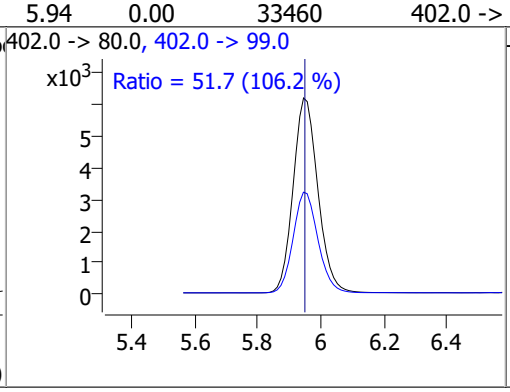


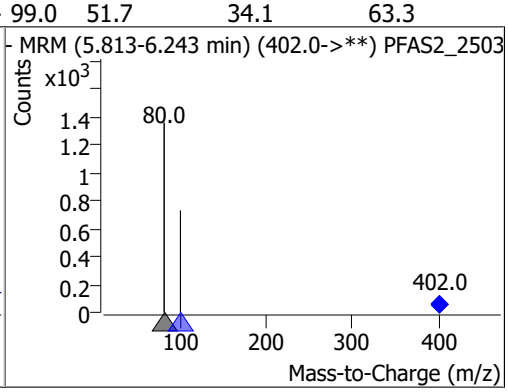




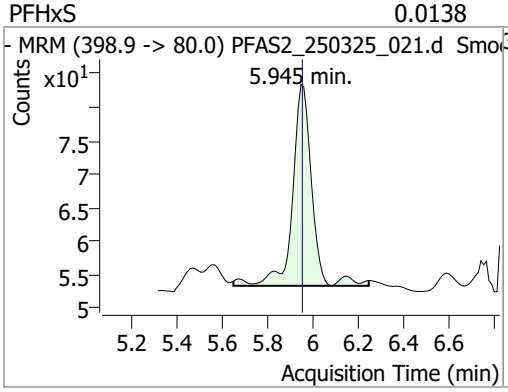
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3715	5.94	0.00	33460	402.0 -> 99.0	51.7	34.1	63.3

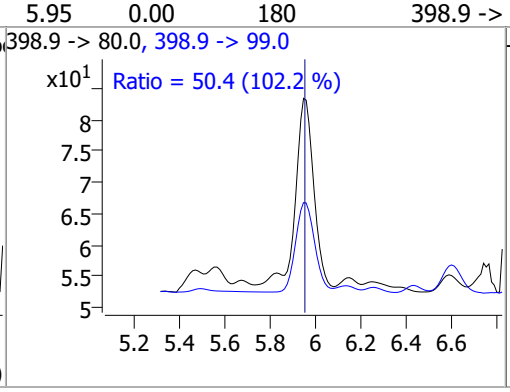


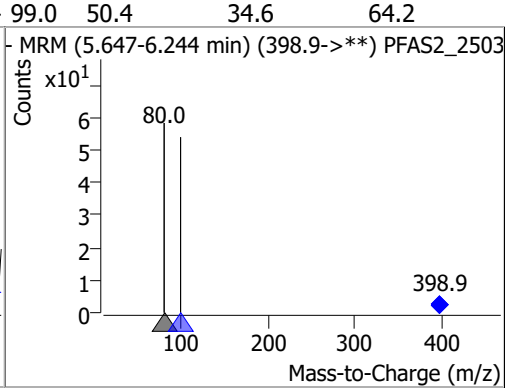




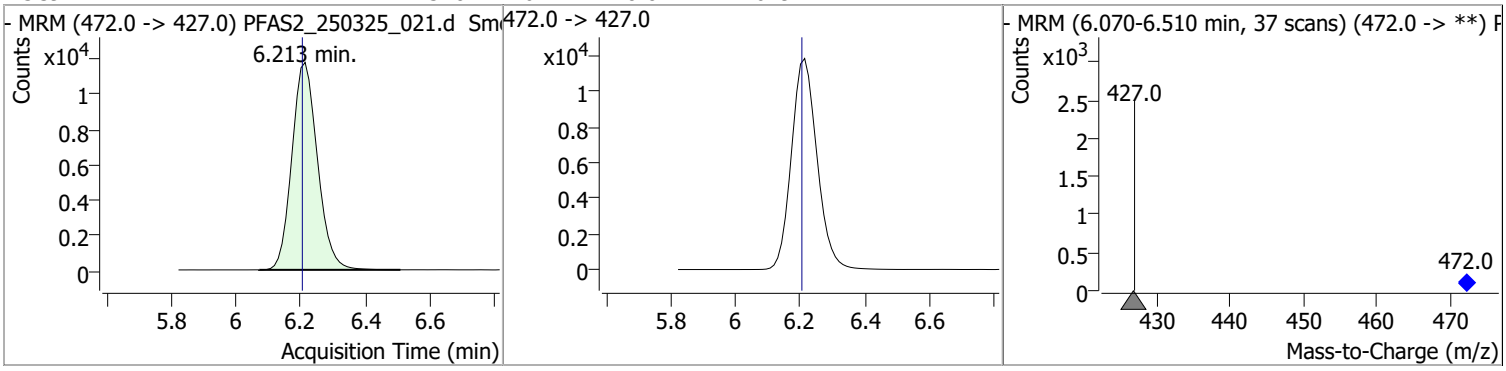
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0138	5.95	0.00	180	398.9 -> 99.0	50.4	34.6	64.2



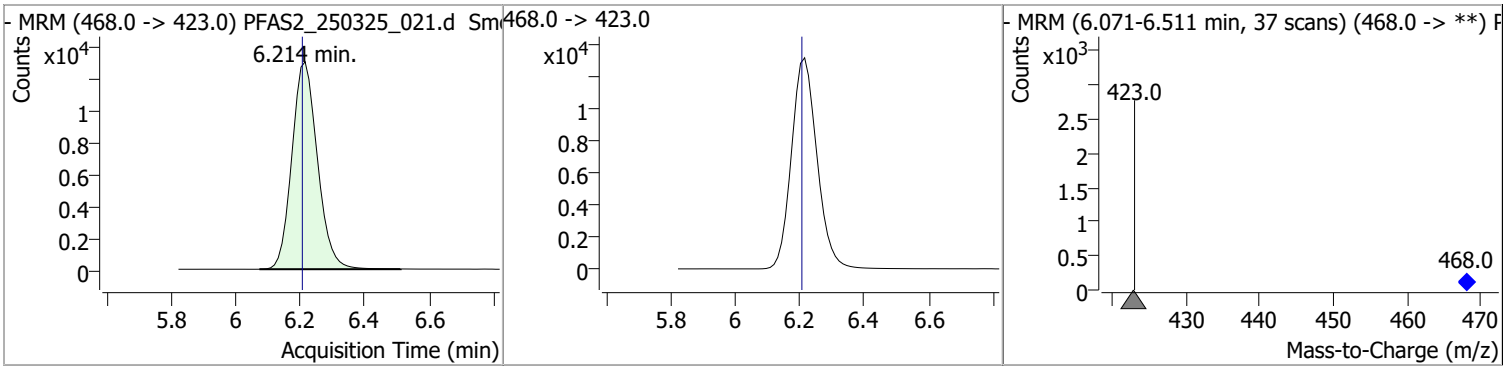




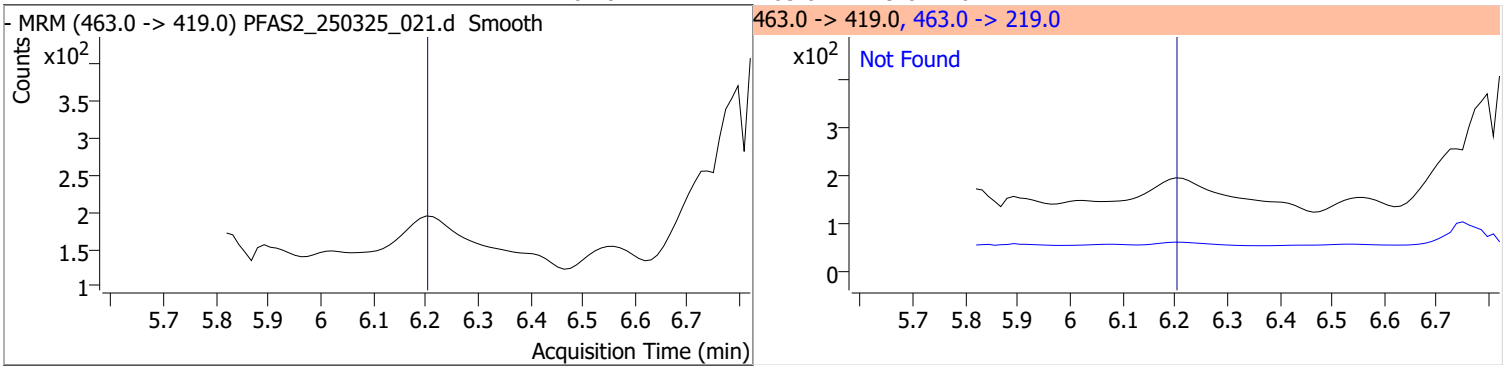
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1320	6.21	0.01	64917				



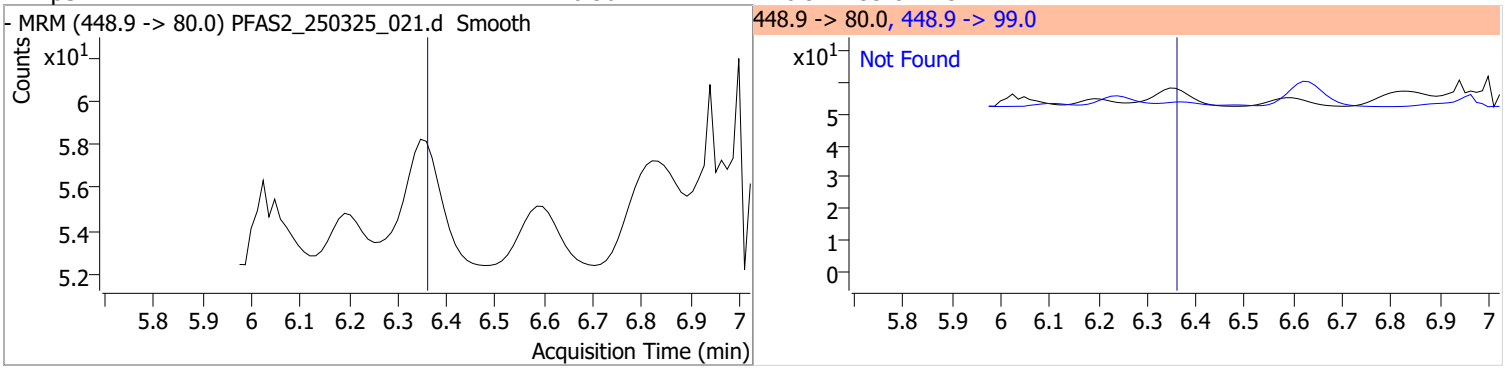
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	72369				



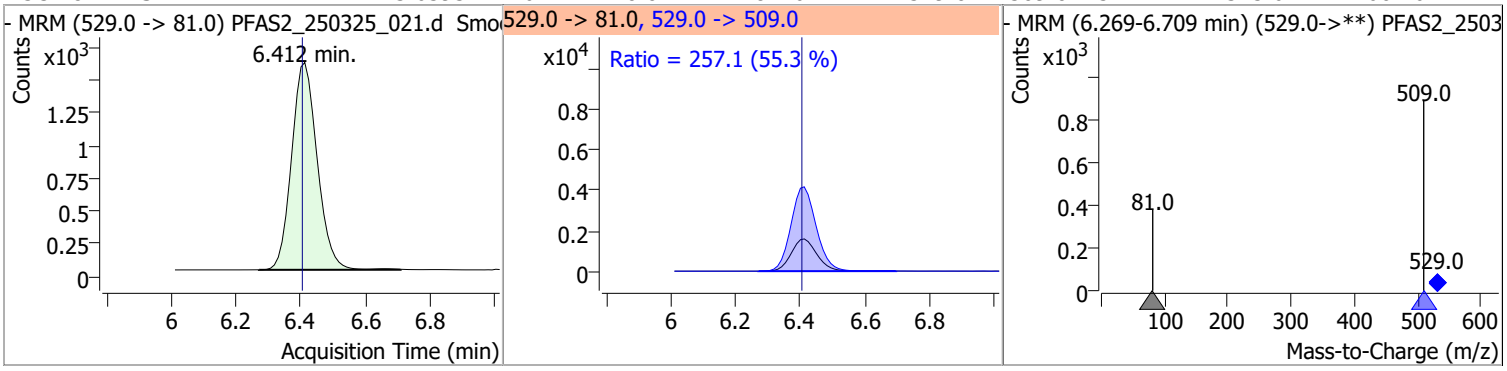
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	6.20	463.0 -> 219.0	16.1



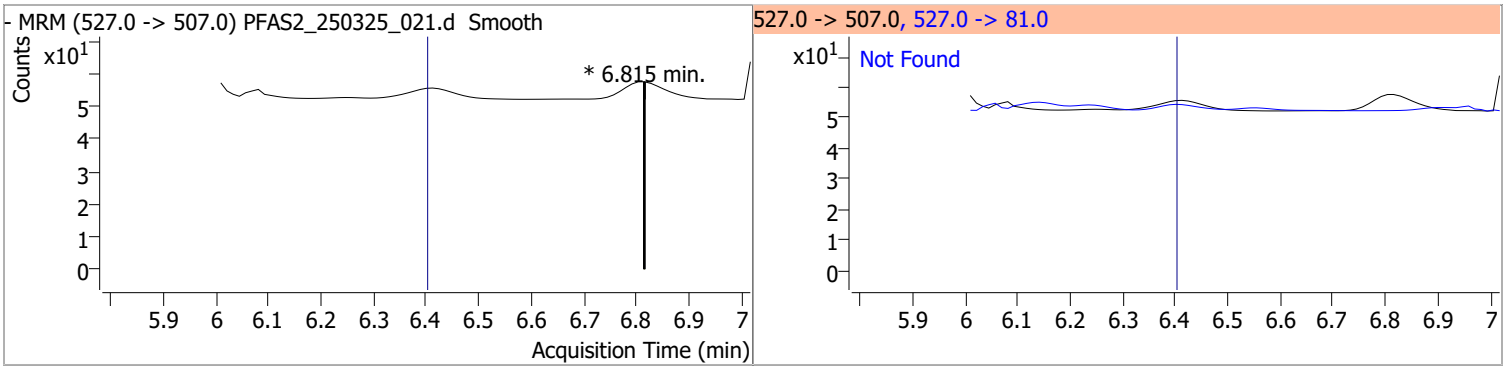
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



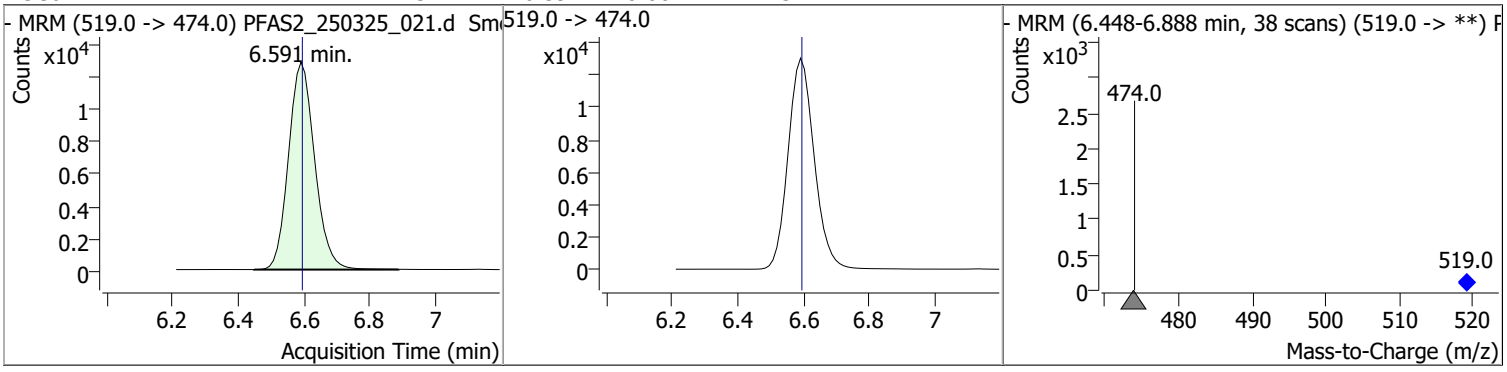
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	3.6393	6.41	0.01	8716	529.0 -> 509.0	257.1	325.6	604.6



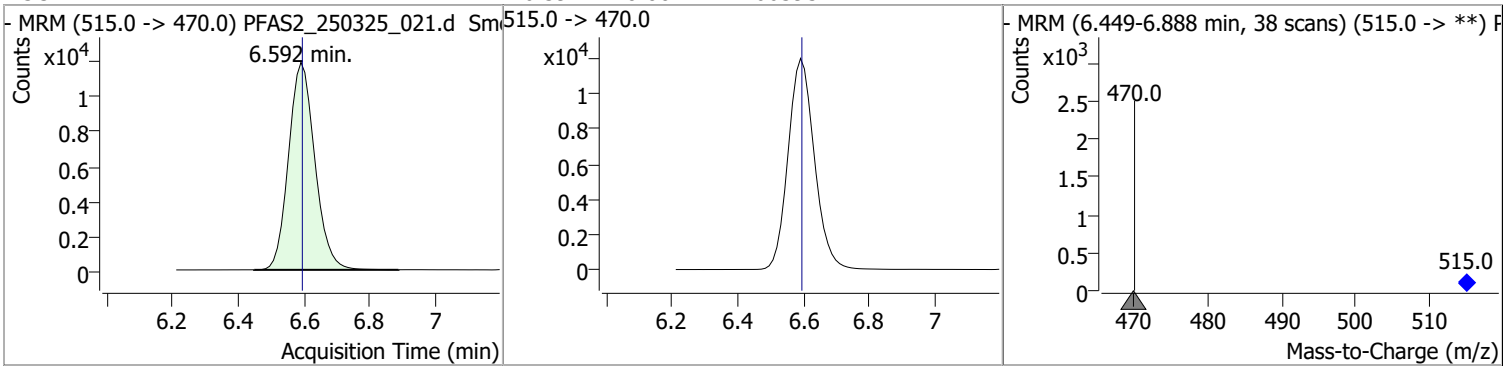
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



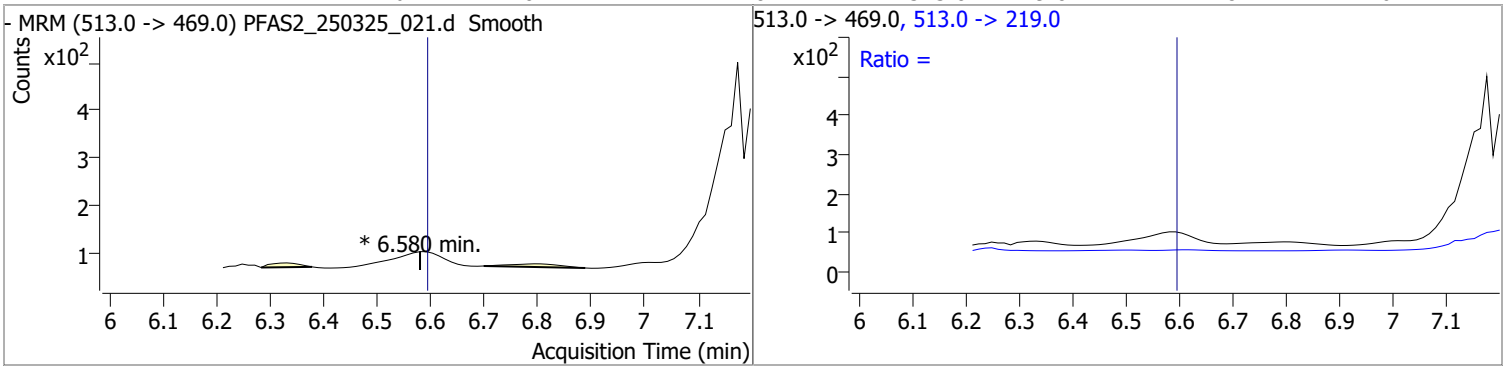
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3241	6.59	0.00	71541				



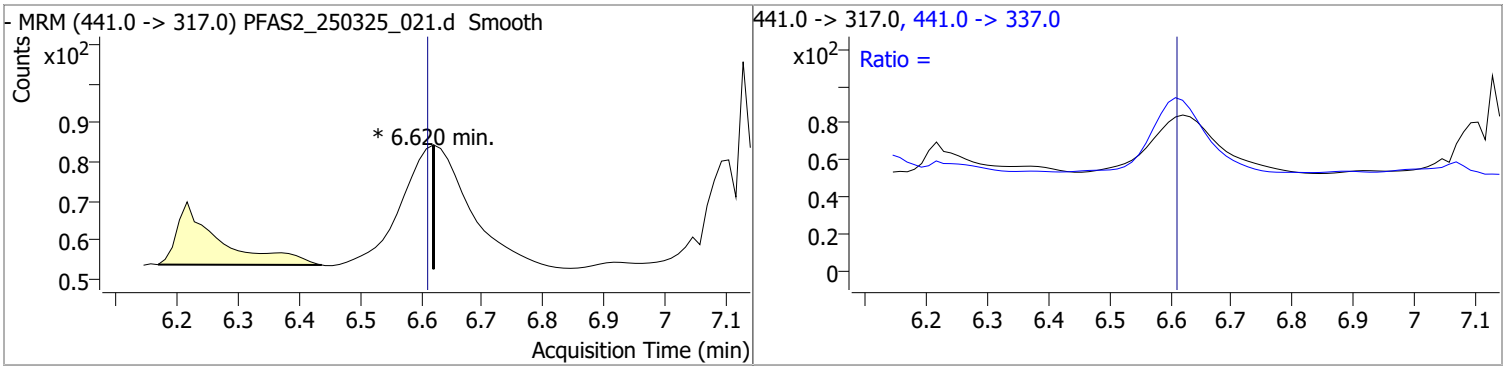
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	66395				



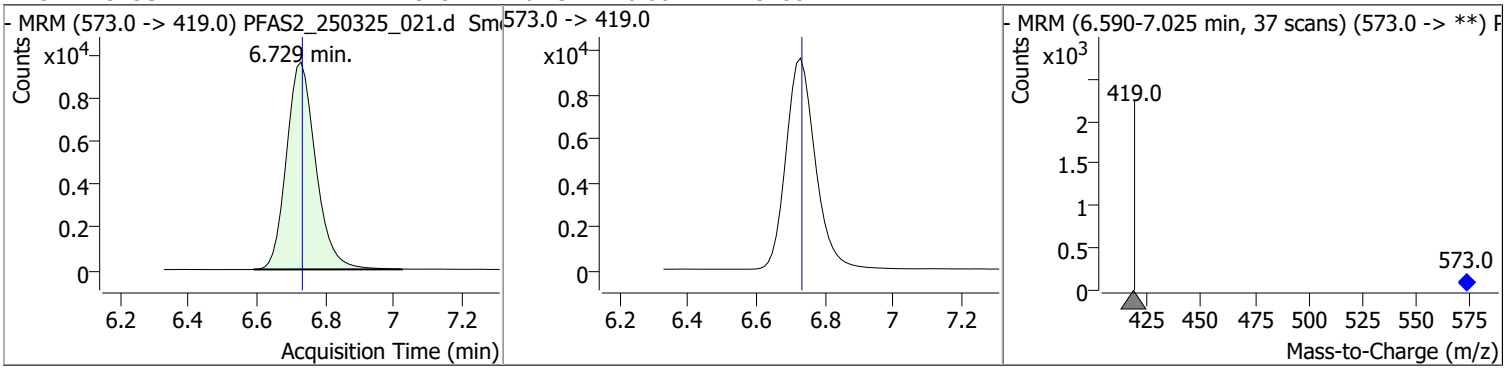
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



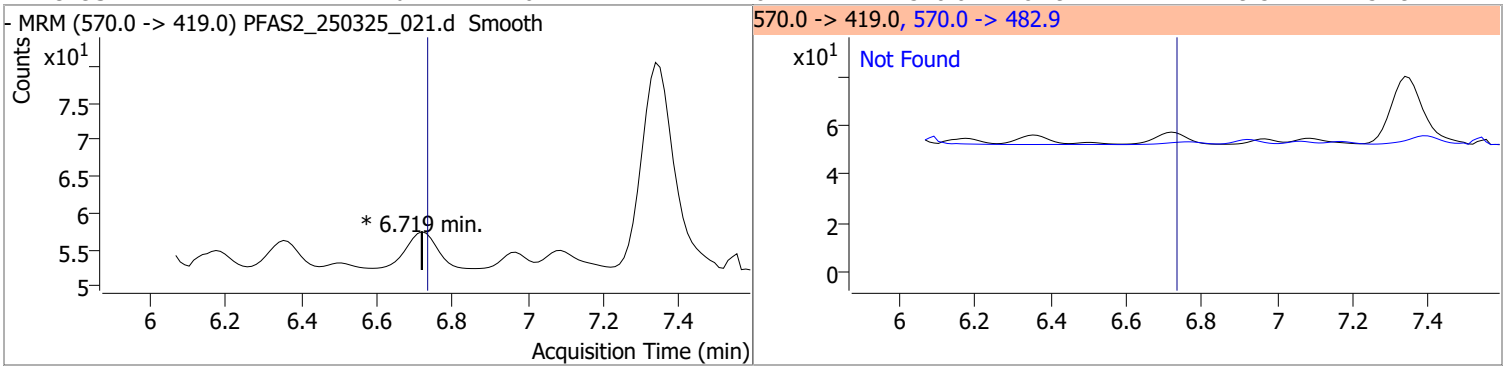
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3



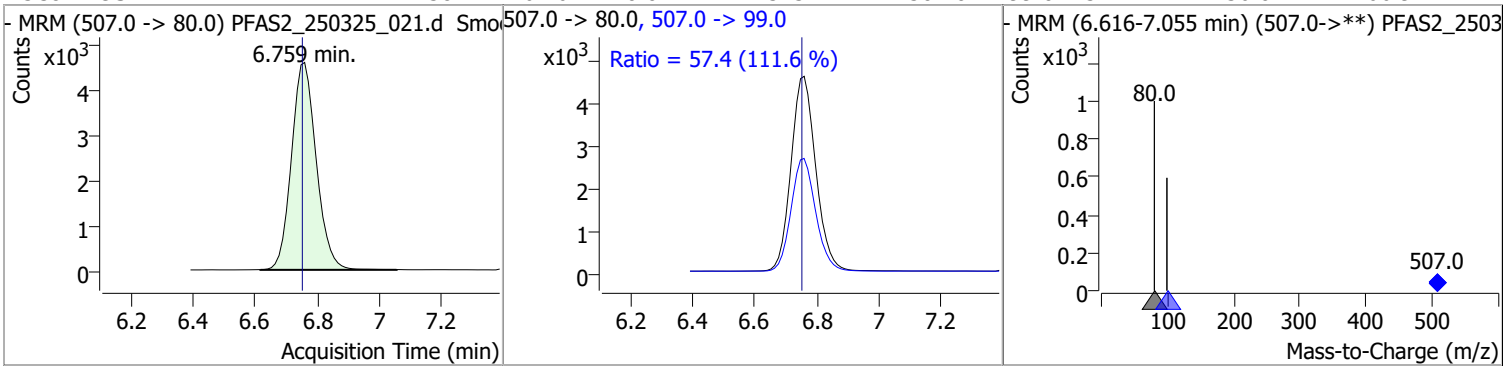
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9494	6.73	0.00	57081				



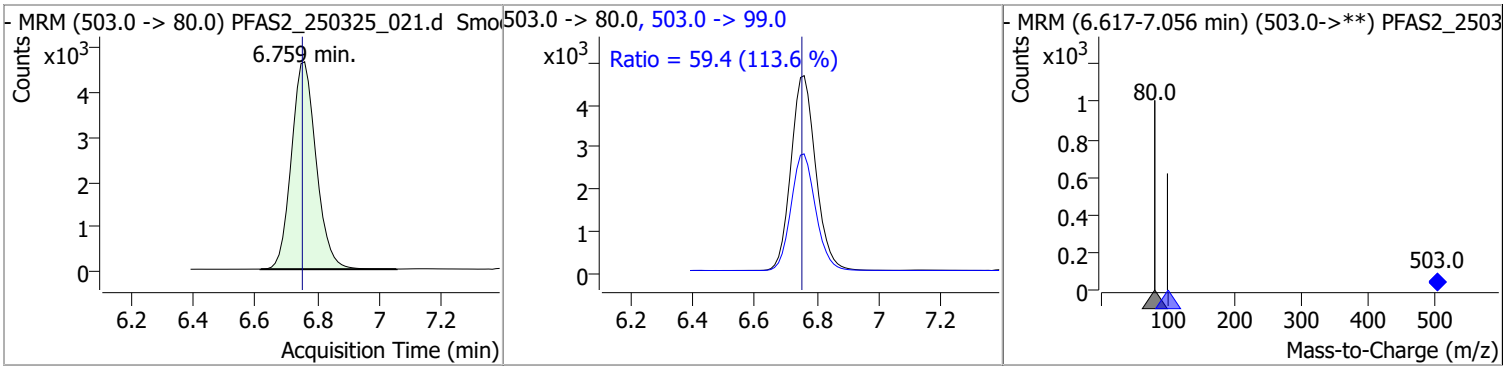
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



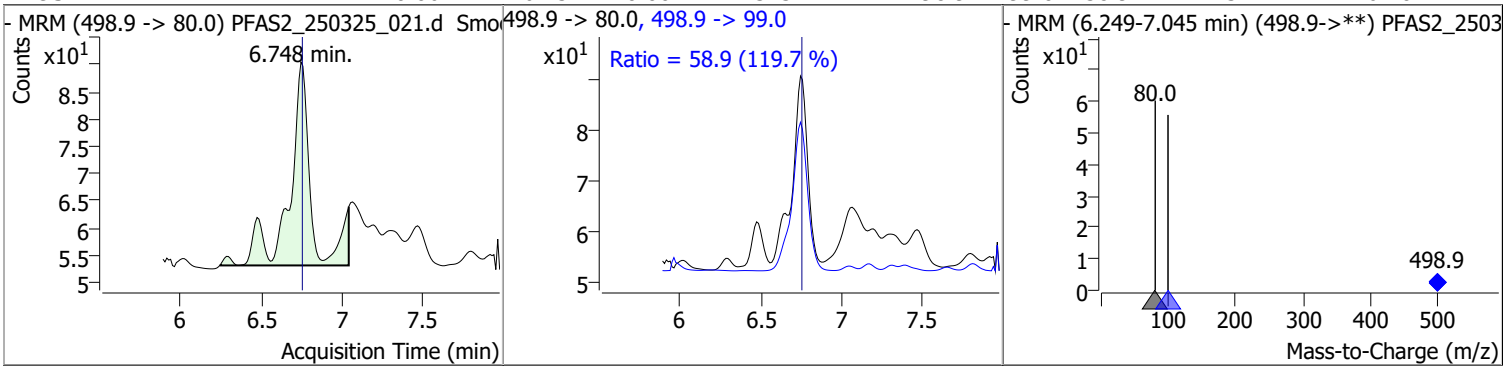
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4384	6.76	0.01	25437	507.0 -> 99.0	57.4	36.0	66.9



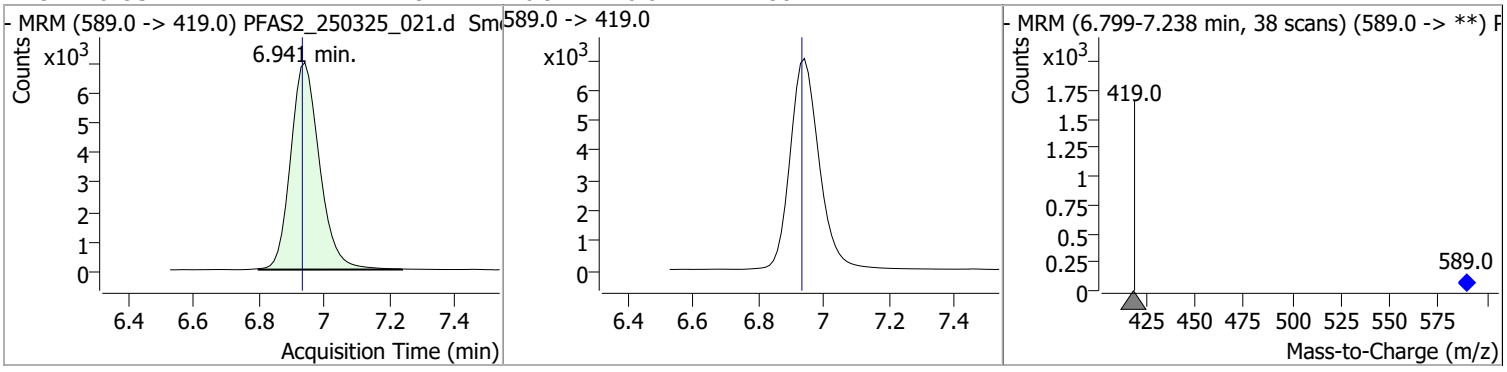
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	25703	503.0 -> 99.0	59.4	36.6	67.9



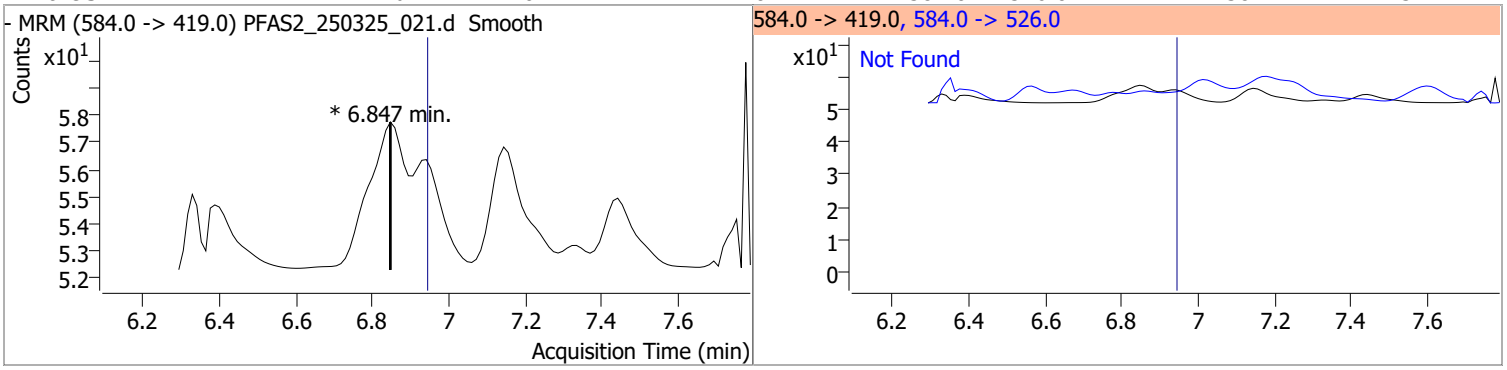
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0647	6.75	0.00	343	498.9 -> 99.0	58.9	34.4	64.0



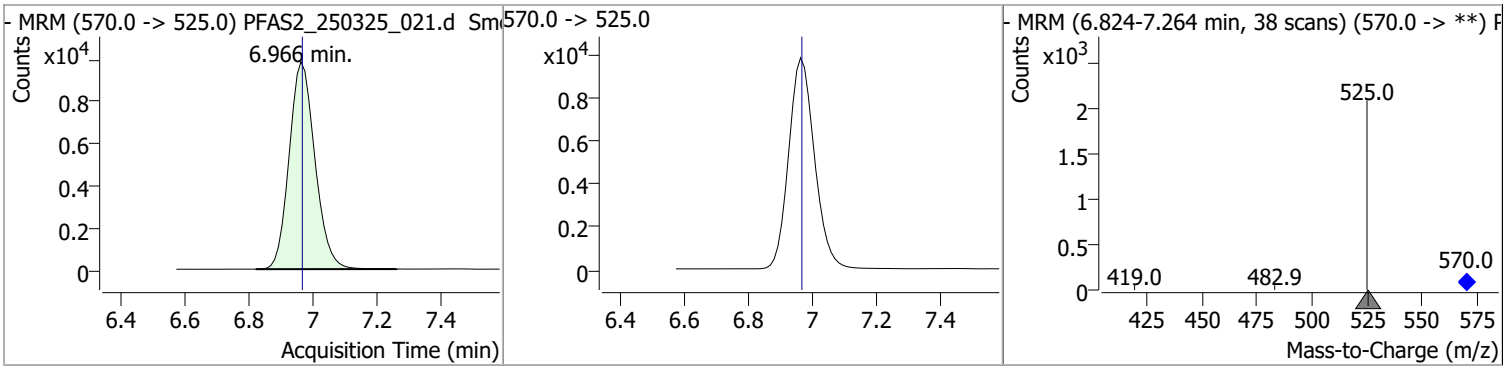
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9411	6.94	0.01	43022				



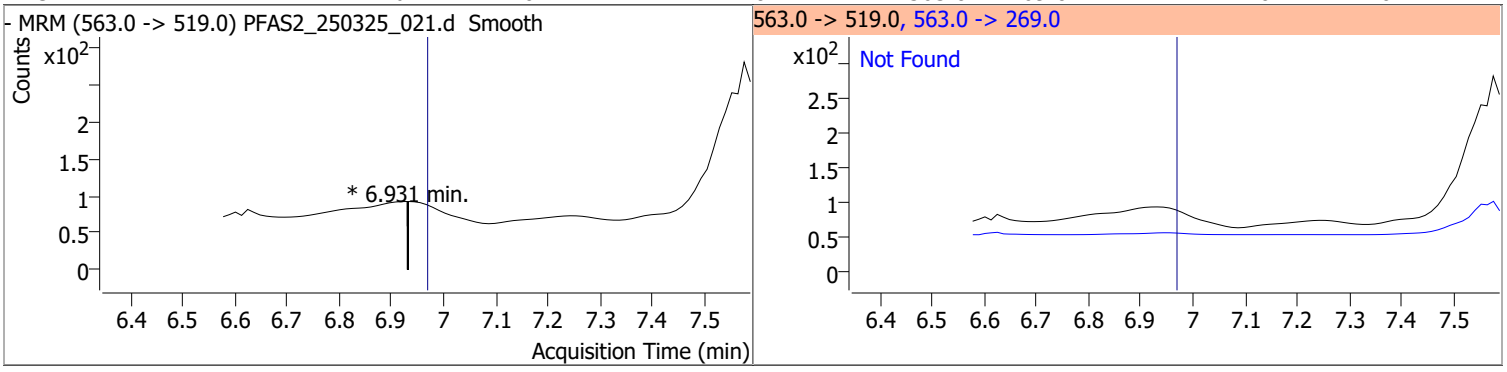
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



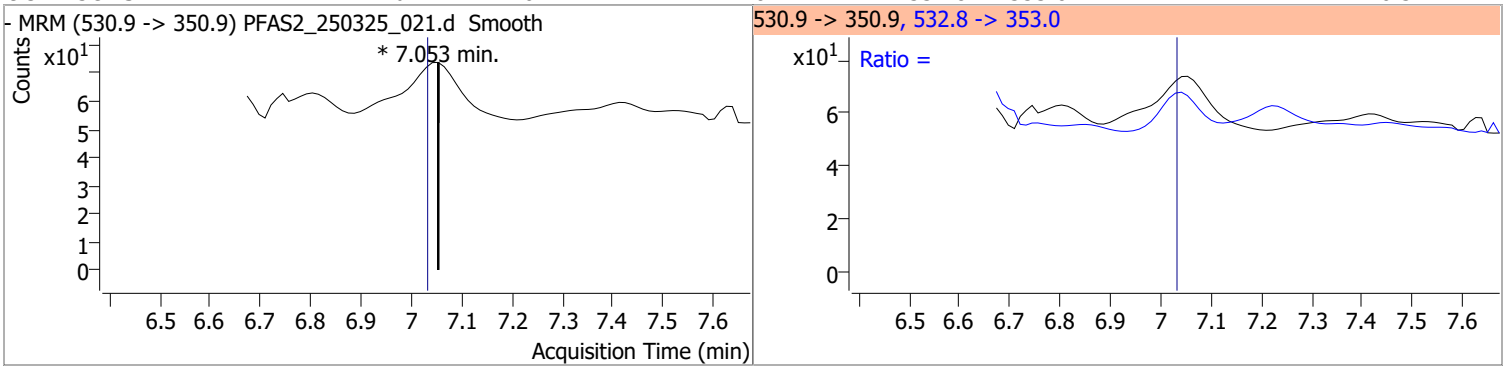
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2922	6.97	0.00	55022				



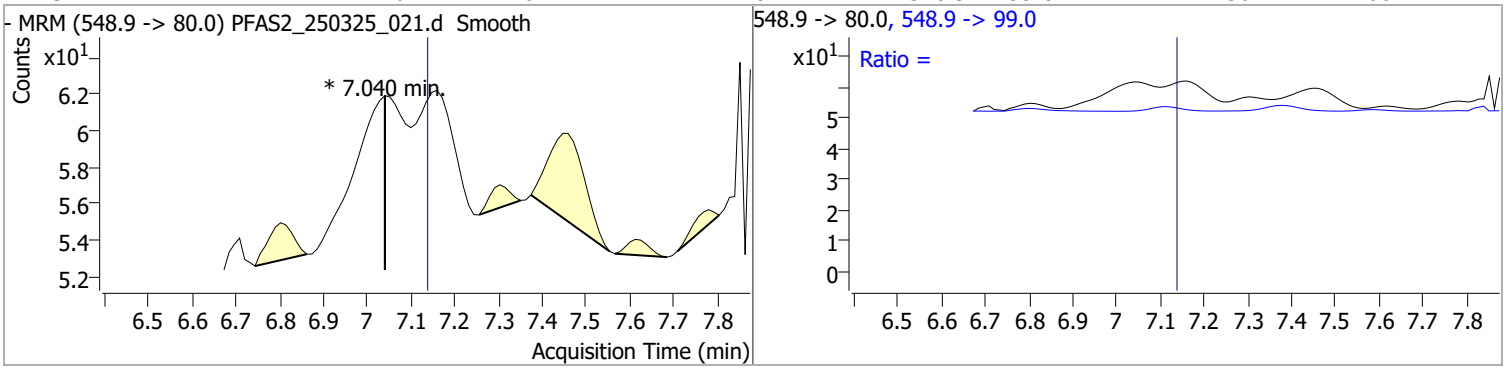
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



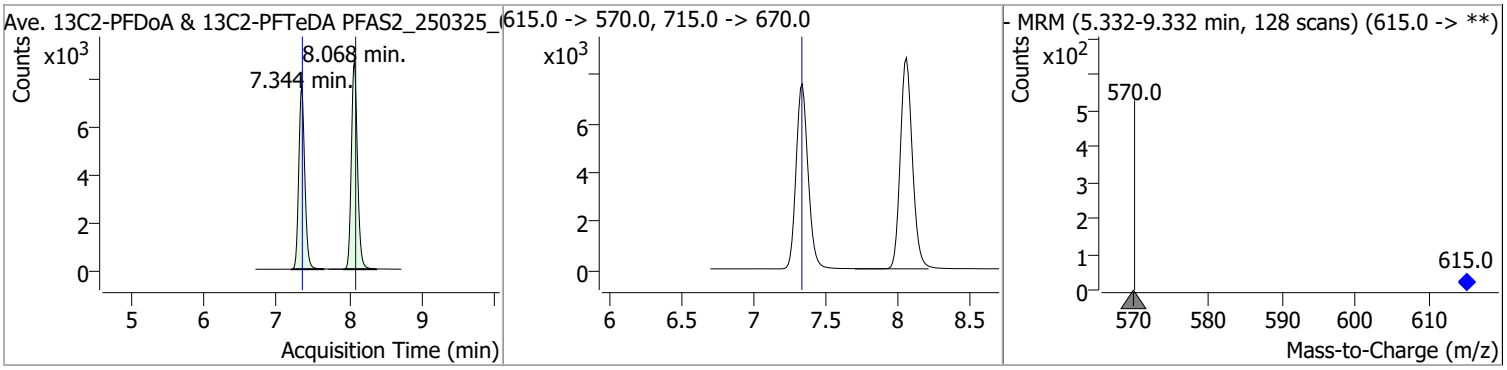
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



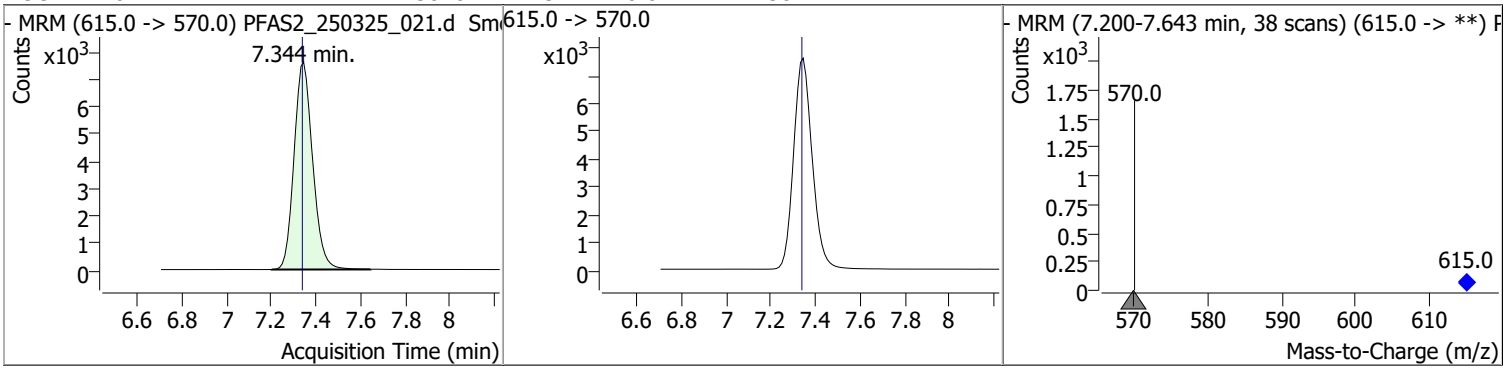
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



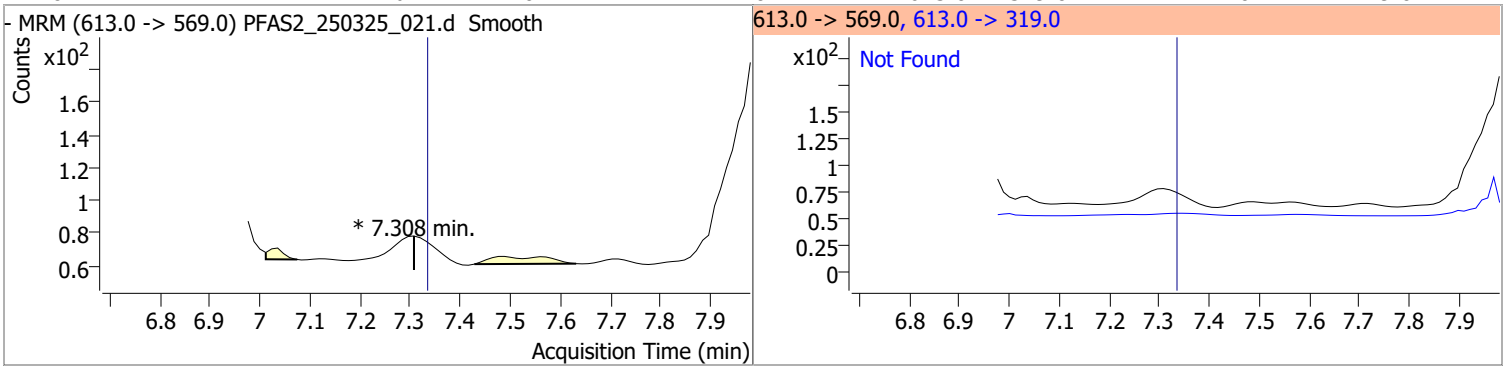
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3478	7.71	0.37	47301				



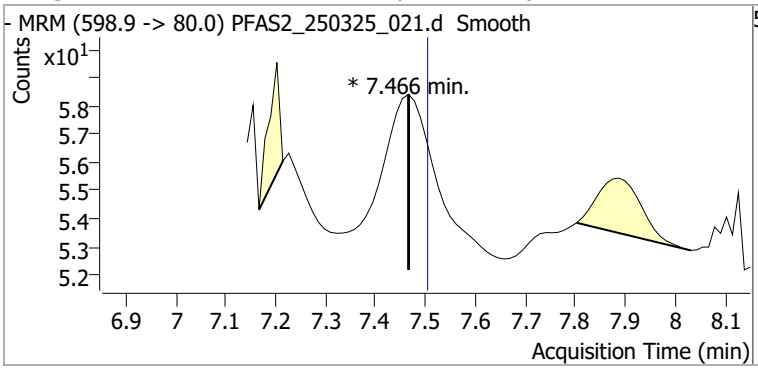
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3820	7.34	0.01	43841				

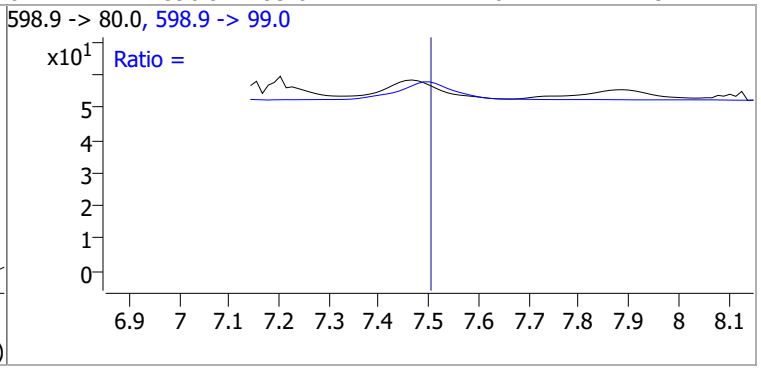


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

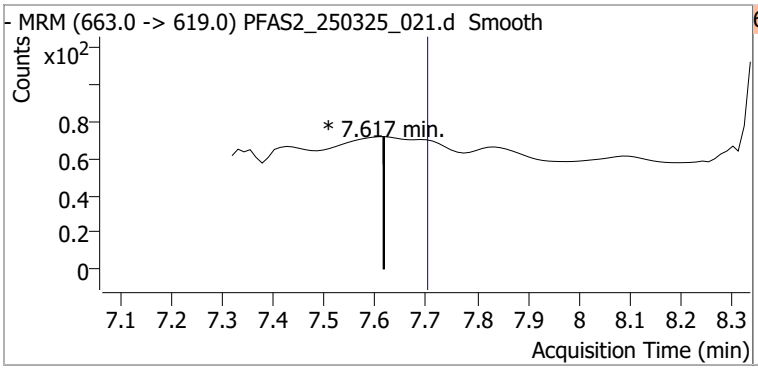


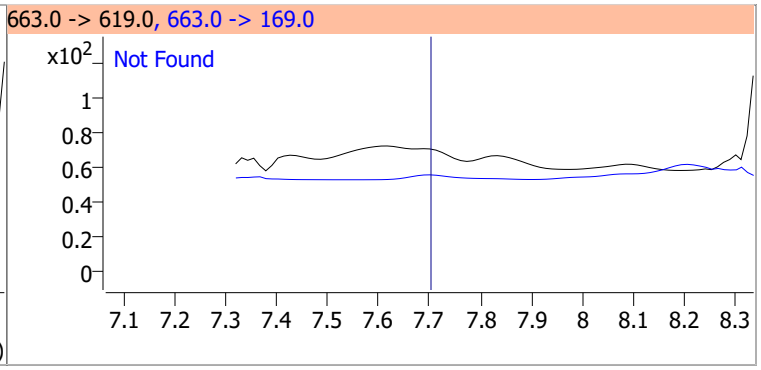
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



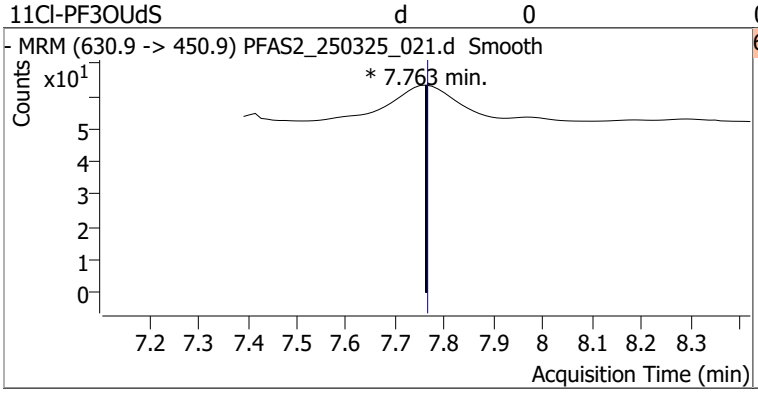


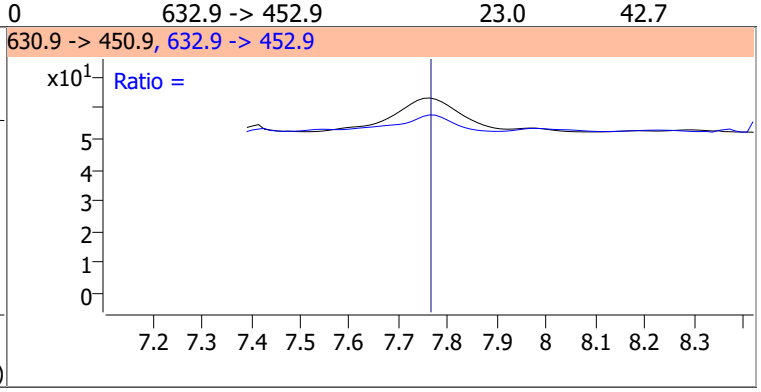
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



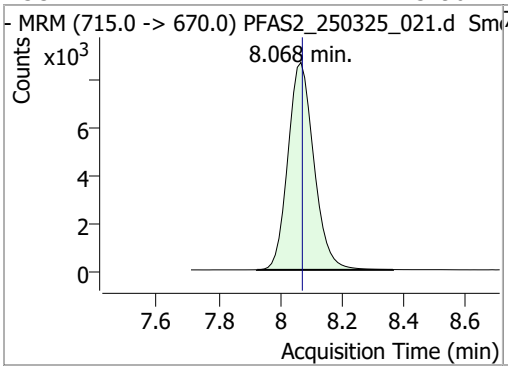


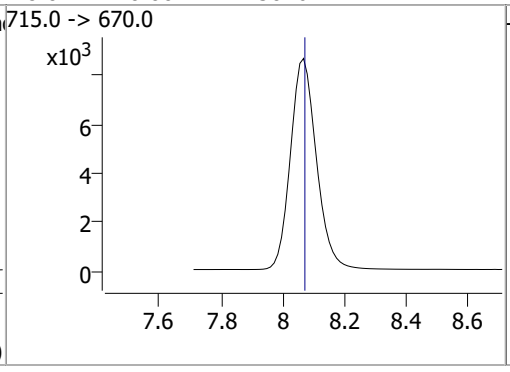
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

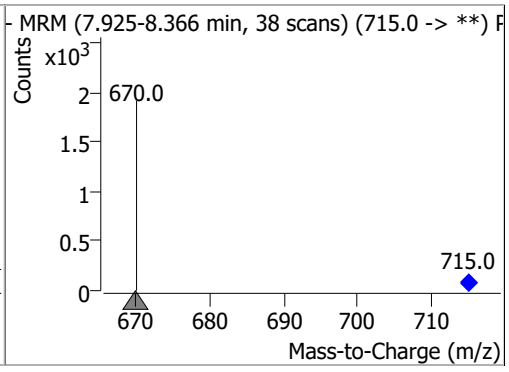




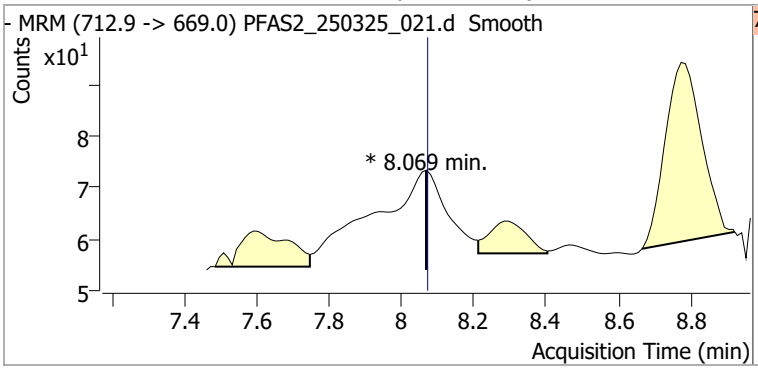
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3196	8.07	0.00	50761				

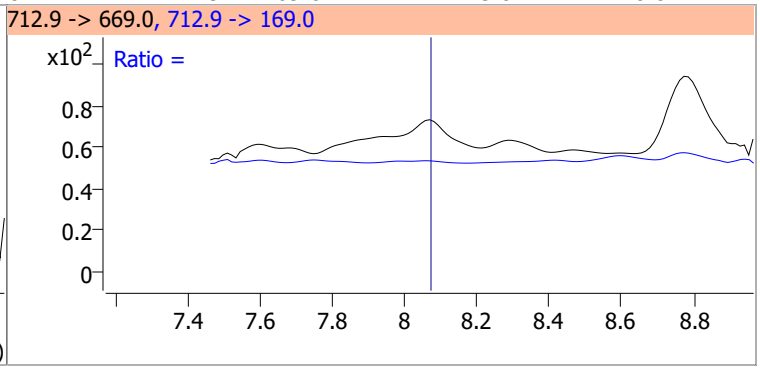




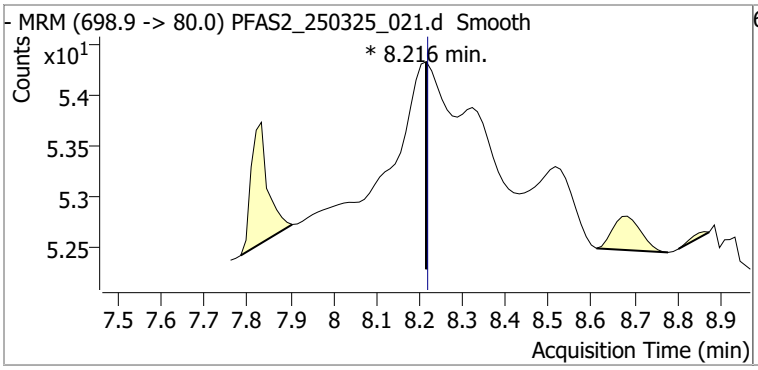


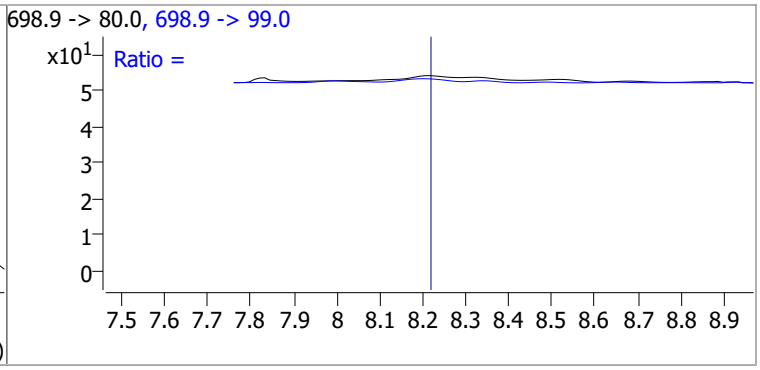
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



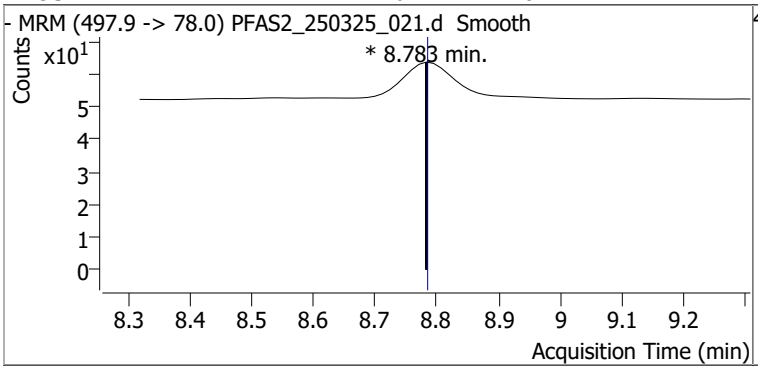


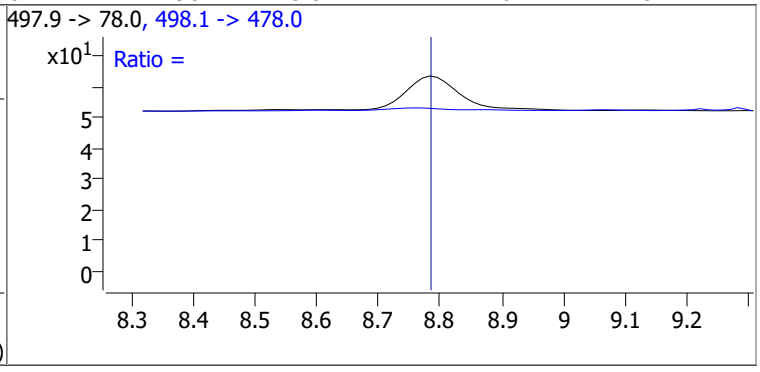
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1



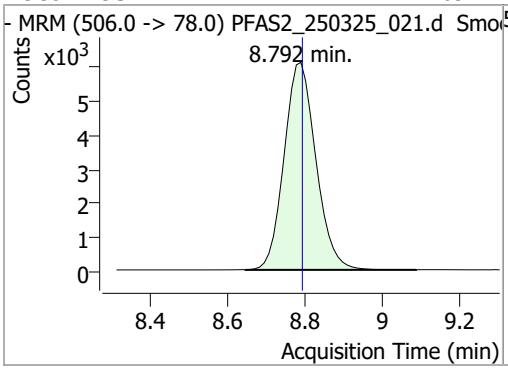


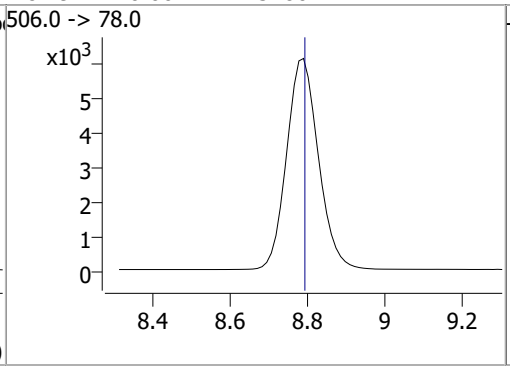
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

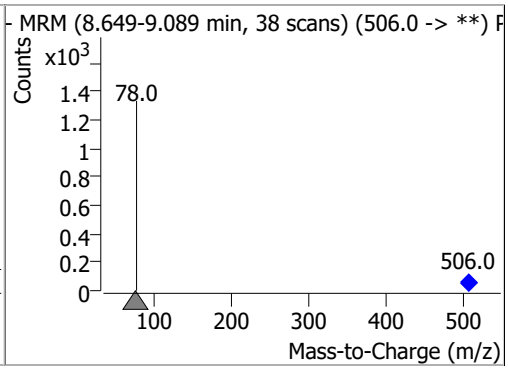




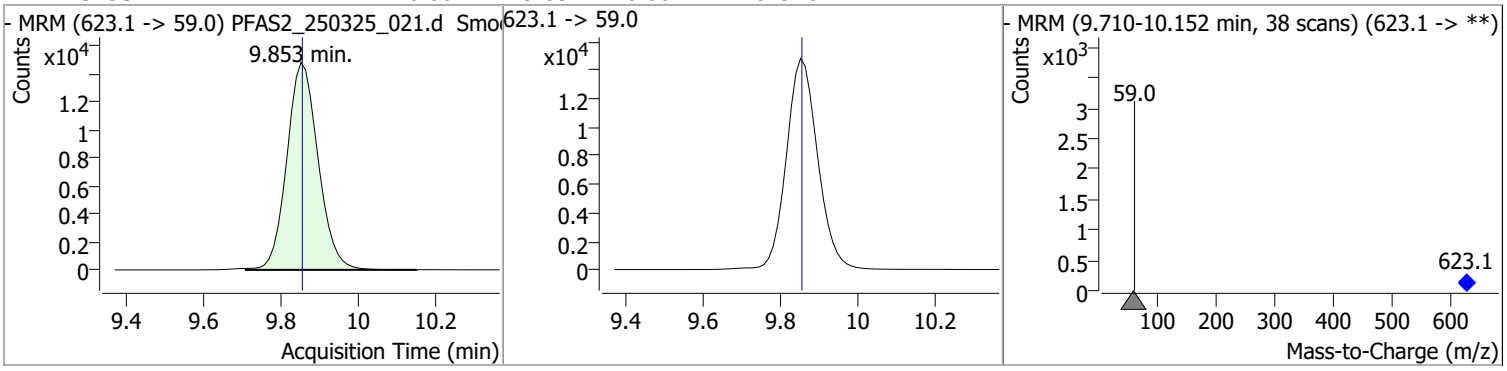
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2769	8.79	0.00	34807				



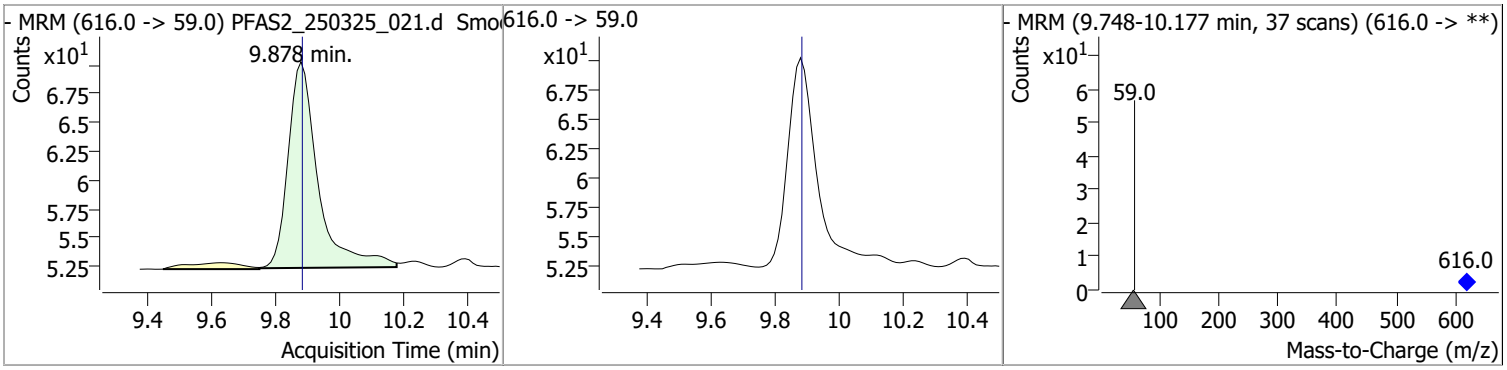




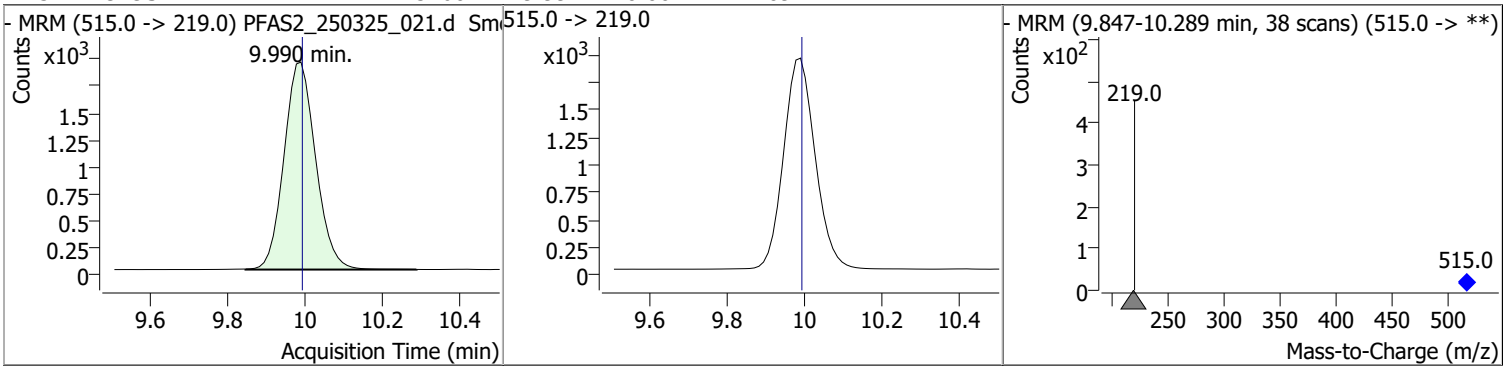
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	16.0011	9.85	0.00	82918				



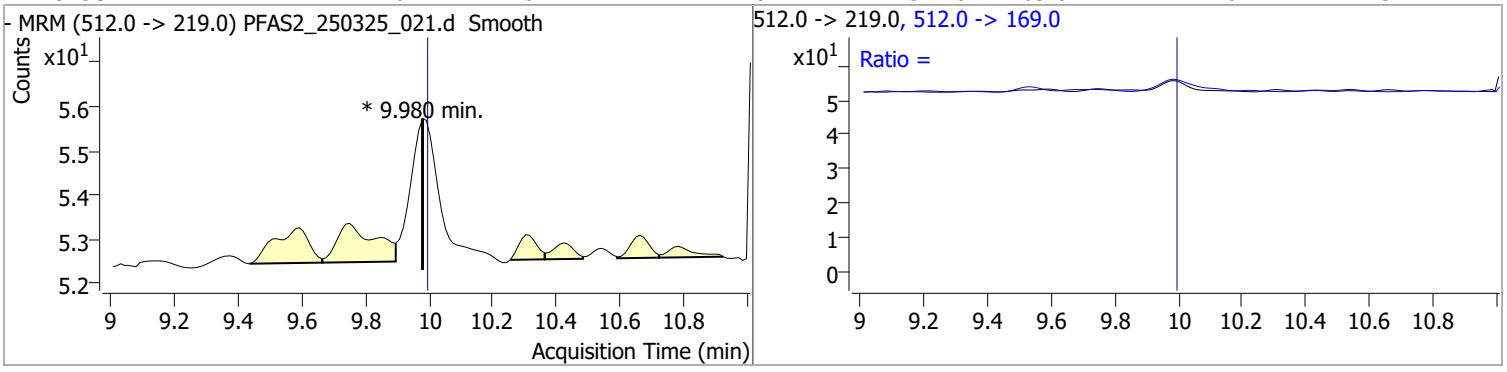
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0002	9.88	0.00	116				



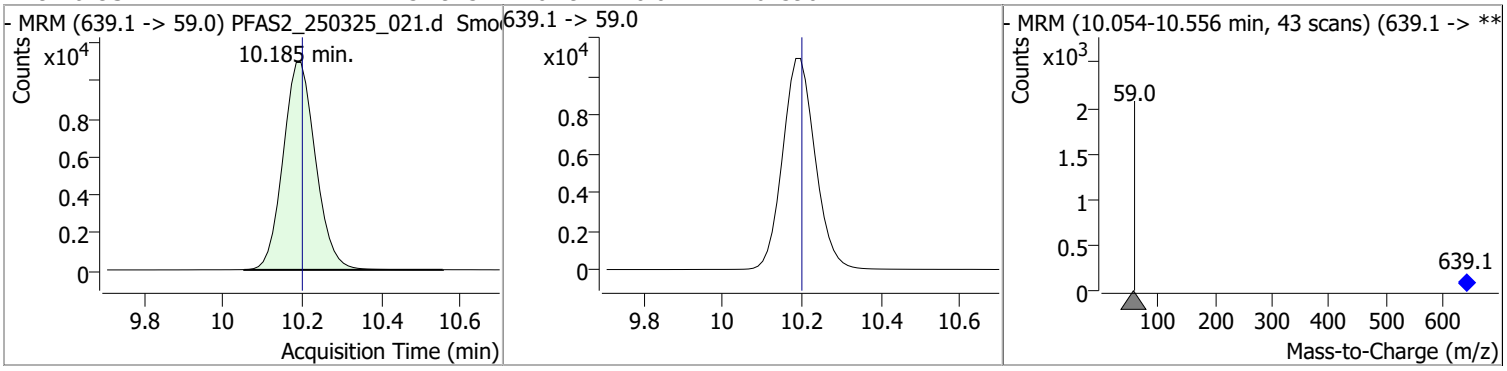
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5460	9.99	0.00	10922				



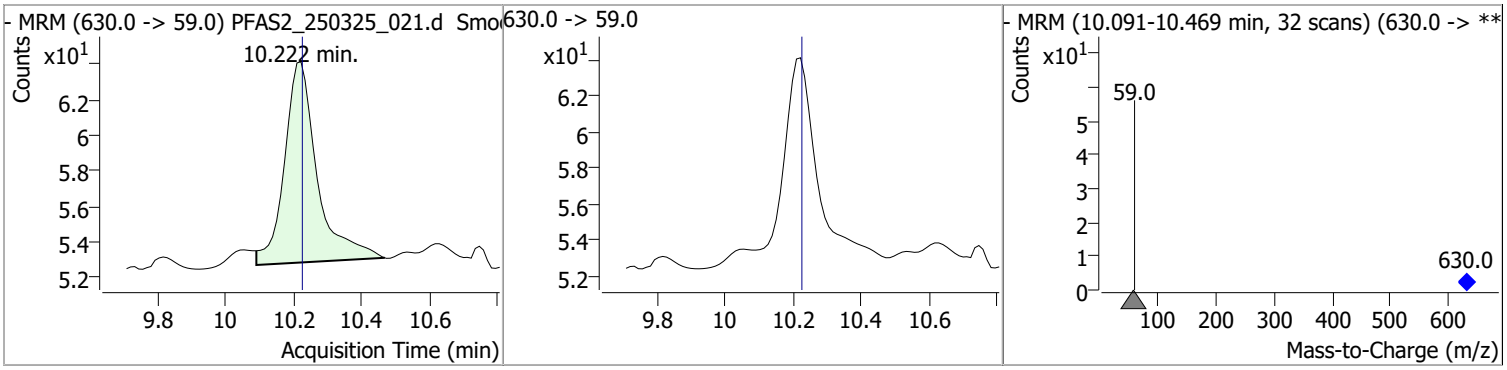
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



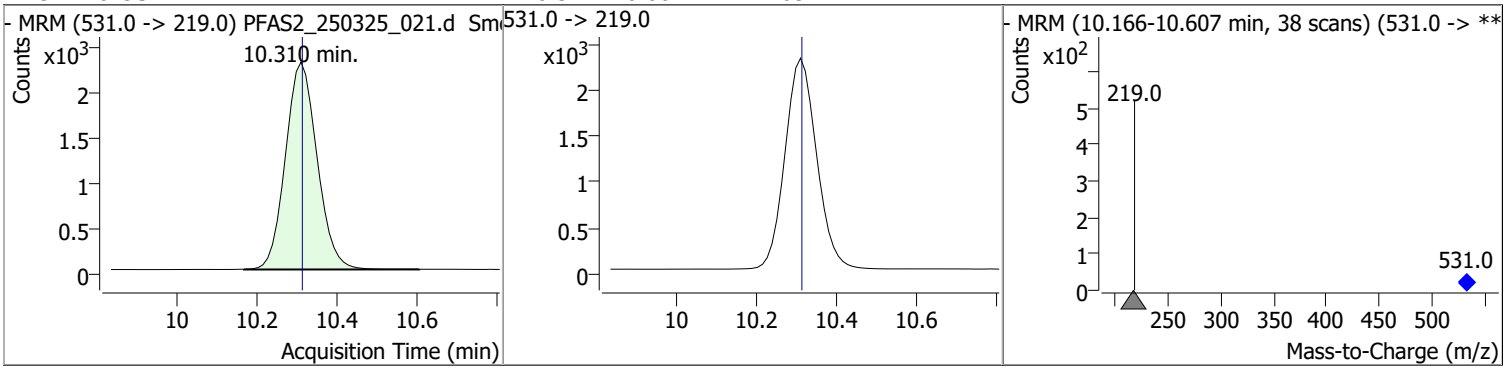
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.7923	10.19	-0.01	62390				



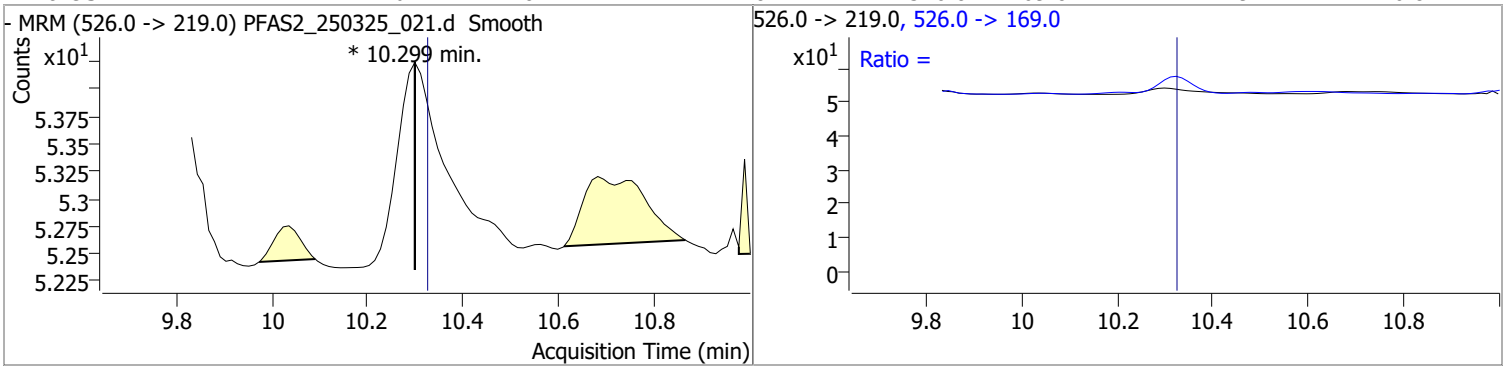
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0434	10.22	0.00	76				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7272	10.31	0.00	12651				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_021.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 7:55:29 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

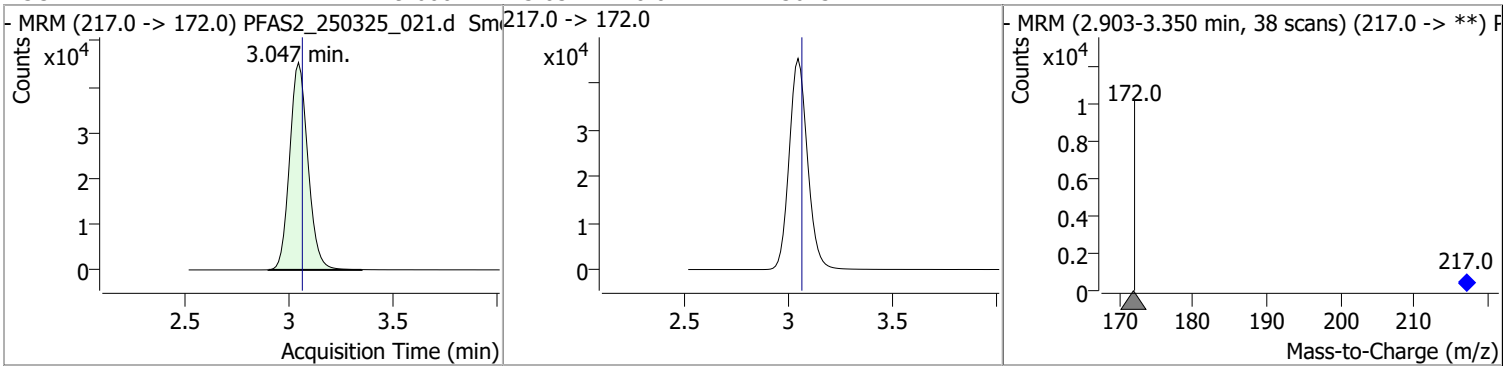
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.051	216.0 -> 172.0	126342	5.0000	µg/L		-7.674
13C2-PFHxA	4.890	315.0 -> 270.0	149771	2.5000	µg/L		-2.382
18O2-PFHxS	5.943	403.0 -> 84.0	29914	2.5000	µg/L		0.957
13C4-PFOA	5.823	417.0 -> 172.0	15808	2.5000	µg/L		2.331
13C5-PFNA	6.214	468.0 -> 423.0	72369	1.2500	µg/L		1.682
13C2-PFDA	6.592	515.0 -> 470.0	66395	1.2500	µg/L		-0.720
13C4-PFOS	6.759	503.0 -> 80.0	25703	2.5000	µg/L		3.188
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	275625	10.0000	µg/L		-11.326
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.00%			
13C5-PFPeA	4.222	268.0 -> 223.0	186729	5.0000	µg/L		-9.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.45%			
13C5-PFPeA	4.222	268.0 -> 223.0	186729	5.0000	µg/L		-9.757
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.45%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	22299	5.0000	µg/L		-11.738
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.78%			
13C5-PFHxA	4.889	318.0 -> 273.0	149729	2.5000	µg/L		-11.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
13C5-PFHxA	4.889	318.0 -> 273.0	149729	2.5000	µg/L		-11.321
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.82%			
13C3-PFBS	4.929	302.0 -> 80.0	55677	2.5000	µg/L		-8.310
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.92%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	163765	10.0000	µg/L		-6.297
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.98%			
13C4-PFHpA	5.385	367.0 -> 322.0	179131	2.5000	µg/L		-5.165
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%			
13C3-PFHxS	5.944	402.0 -> 80.0	33460	2.5000	µg/L		-4.260
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.86%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12406	5.0000	µg/L	#	-15.999
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 83.29%			
13C8-PFOA	5.823	421.0 -> 376.0	162028	2.5000	µg/L		-6.202
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.68%			
13C3-PFHxS	5.944	402.0 -> 80.0	33460	2.5000	µg/L		-4.260
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.86%			
13C9-PFNA	6.213	472.0 -> 427.0	64917	1.2500	µg/L		-7.872
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.56%			
13C8-PFOS	6.759	507.0 -> 80.0	25437	2.5000	µg/L		0.605
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.53%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	8716	5.0000	µg/L	#	-26.422
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 72.79%			
13C6-PFDA	6.591	519.0 -> 474.0	71541	1.2500	µg/L		5.269
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.93%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	57081	5.0000	µg/L		2.262
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.99%			
13C8-PFOS	6.759	507.0 -> 80.0	25437	2.5000	µg/L		0.605

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.53%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	43022	5.0000	µg/L		2.022
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.82%			
13C7-PFUnDA	6.966	570.0 -> 525.0	55022	1.2500	µg/L		2.648
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.38%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	47301	1.2500	µg/L		7.221
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.82%			
13C2-PFDoDA	7.344	615.0 -> 570.0	43841	1.2500	µg/L		9.752
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 110.56%			
13C2-PFTDA	8.068	715.0 -> 670.0	50761	1.2500	µg/L		5.127
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 105.57%			
13C8-PFOSA	8.792	506.0 -> 78.0	34807	2.5000	µg/L		-5.829
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.08%			
13C8-PFOSA	8.792	506.0 -> 78.0	34807	2.5000	µg/L		-5.829
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.08%			
2H7-MeFOSE	9.853	623.1 -> 59.0	82918	25.0000	µg/L		-34.006
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 64.00%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10922	2.5000	µg/L		5.334
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.84%			
2H9-EtFOSE	10.185	639.1 -> 59.0	62390	25.0000	µg/L		-1.762
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.17%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12651	2.5000	µg/L		12.552
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 109.09%			
Target Compounds							QValue
PFBA	0.000		0	N.D.			
PFMPA	3.602	229.0 -> 85.0	38	0.0571	µg/L		100
3-3 FTCA	3.514	241.0 -> 177.0	4	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	950	0.0521	µg/L		100
PFMBA	4.465	279.0 -> 85.0	93	0.0372	µg/L		100
4-2 FTSA	4.710	327.0 -> 307.0	109	0.0081	µg/L		95
NFDHA	4.811	295.0 -> 201.0	25	0.0223	µg/L		95
PFHxA	4.892	313.0 -> 269.0	543	0.0101	µg/L		89
PFBS	4.918	298.9 -> 80.0	71	0.0031	µg/L	#	47
HFPO-DA	5.087	285.0 -> 169.0	82	0.0057	µg/L		85
PFEESA	5.201	314.9 -> 135.0	262	0.0550	µg/L	#	84
PFHpA	5.398	363.0 -> 319.0	490	0.0284	µg/L		90
5-3 FTCA	5.470	341.0 -> 237.0	211	0.2278	µg/L		80
PFPeS	5.482	348.9 -> 80.0	6	0.0004	µg/L		30
DONA	5.539	377.0 -> 251.0	320	0.0708	µg/L		98
6-2 FTSA	5.642	427.0 -> 407.0	91	0.1204	µg/L	#	45
PFOA	5.824	413.0 -> 369.0	760	0.0482	µg/L		94
PFHxS	5.945	398.9 -> 80.0	180	0.0138	µg/L		98
PFNA	0.000		0	N.D.			
PFHpS	0.000		0	N.D.			
8-2 FTSA	6.815	527.0 -> 507.0	29	0.0796	µg/L		47
PFDA	6.580	513.0 -> 469.0	153	0.0000	µg/L	#	89
7-3 FTCA	6.620	441.0 -> 317.0	200	0.3081	µg/L		87
N-MeFOSAA	6.719	570.0 -> 419.0	42	0.0123	µg/L		33
PFOS	6.748	498.9 -> 80.0	343	0.0647	µg/L		86
N-EtFOSAA	6.847	584.0 -> 419.0	75	0.0204	µg/L		24
PFUnDA	6.931	563.0 -> 519.0	183	0.0177	µg/L		63
9Cl-PF3ONS	7.053	530.9 -> 350.9	74	0.0664	µg/L	#	7
PFNS	7.040	548.9 -> 80.0	26	0.0030	µg/L	#	58
PFDoDA	7.308	613.0 -> 569.0	78	0.0024	µg/L		65

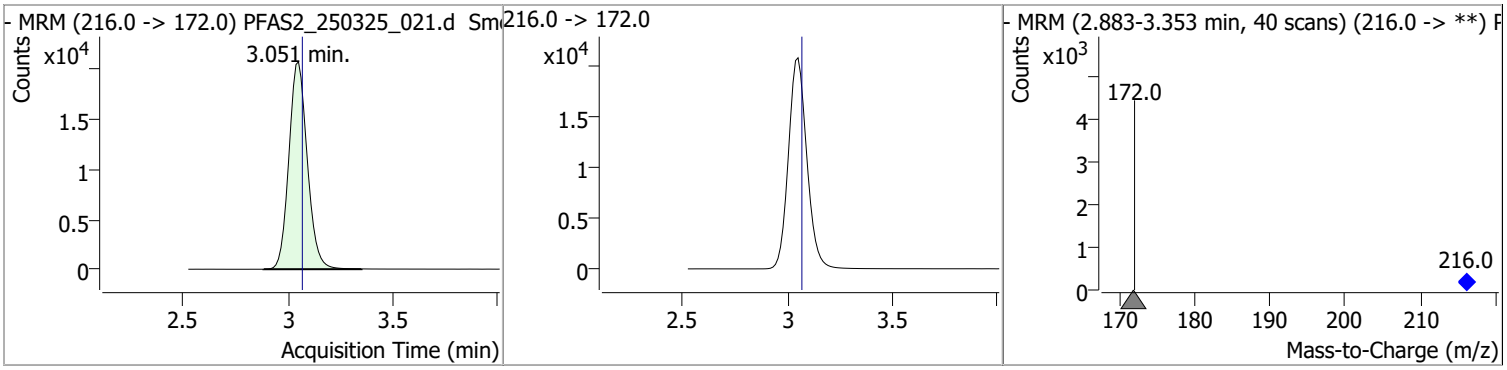
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.466	598.9 -> 80.0	36	0.0056	µg/L	#	20
PFTrDA	7.617	663.0 -> 619.0	83	0.0023	µg/L		72
11Cl-PF3OUdS	7.763	630.9 -> 450.9	100	0.0046	µg/L		85
PFTDA	8.069	712.9 -> 669.0	245	0.0136	µg/L		77
PFDoS	8.216	698.9 -> 80.0	3	0.0007	µg/L	#	1
PFOSA	8.783	497.9 -> 78.0	70	0.0058	µg/L	#	91
MeFOSE	9.878	616.0 -> 59.0	116	0.0002	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	20	0.0049	µg/L	#	67
EtFOSE	10.222	630.0 -> 59.0	76	0.0434	µg/L		100
N-EtFOSA	10.299	526.0 -> 219.0	12	0.0024	µg/L	#	24

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

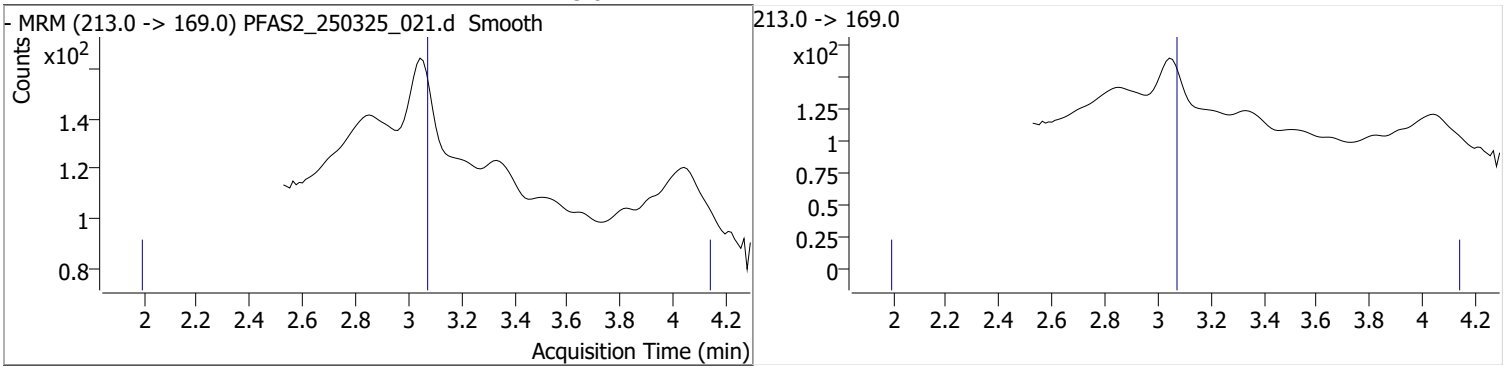
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6001	3.05	-0.01	275625				



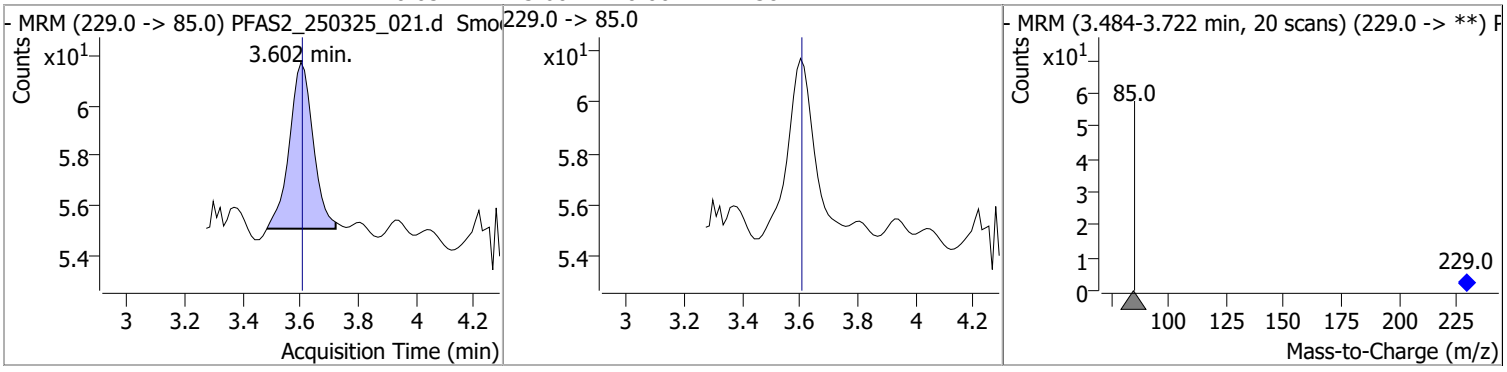
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.05	-0.01	126342				



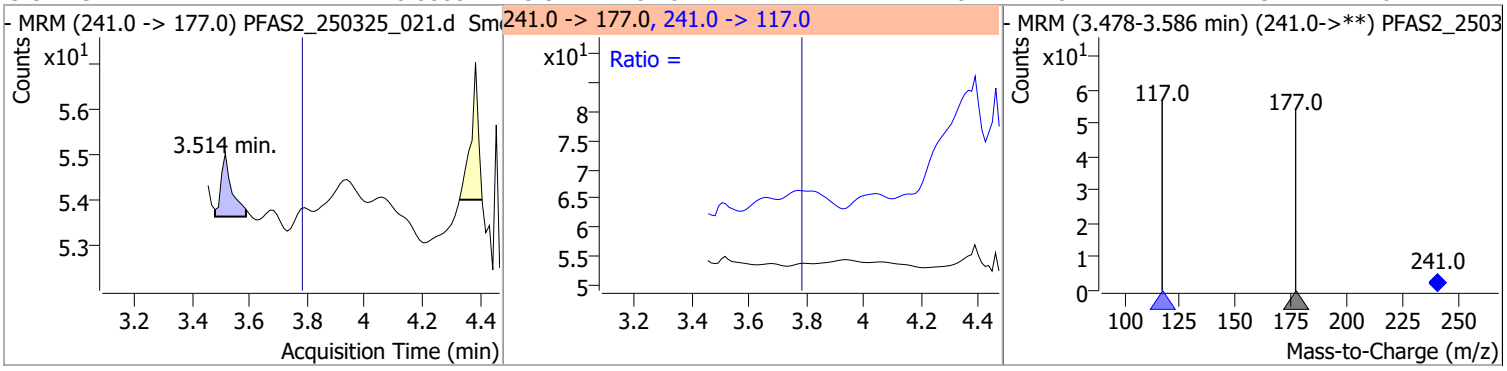
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFBA	N.D.	3.07		



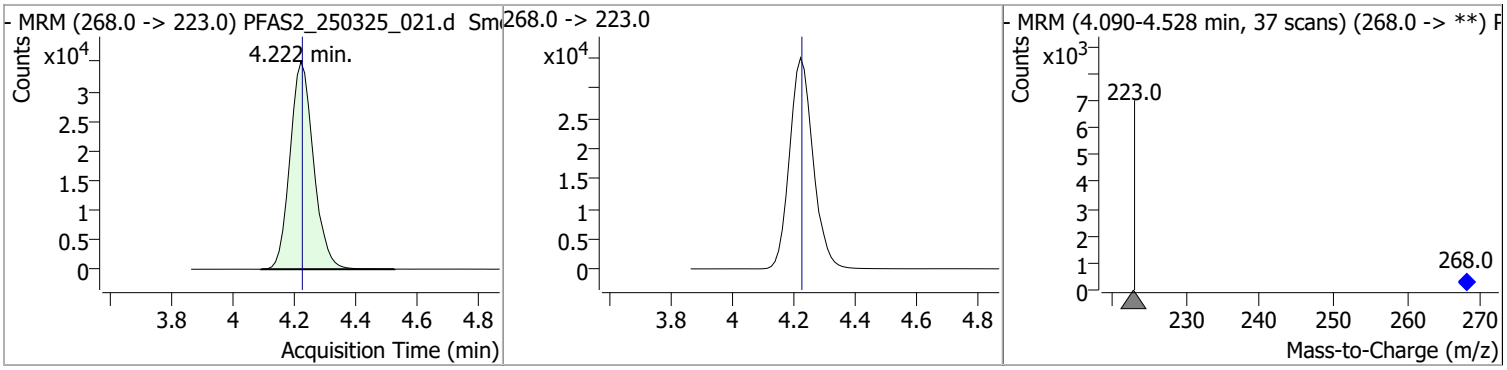
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0571	3.60	0.00	38				



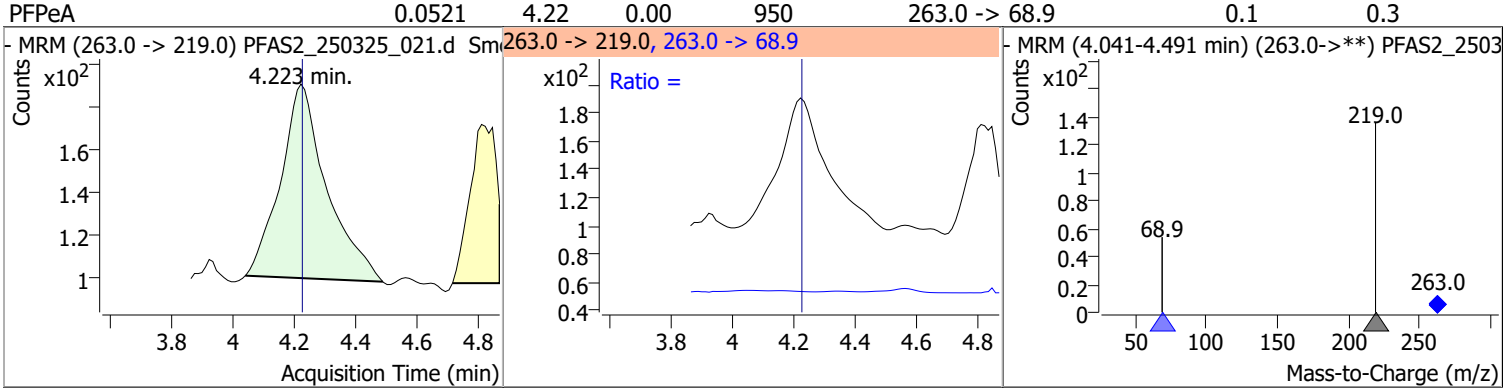
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.51	-0.26	4	241.0 -> 117.0		41.3	76.7



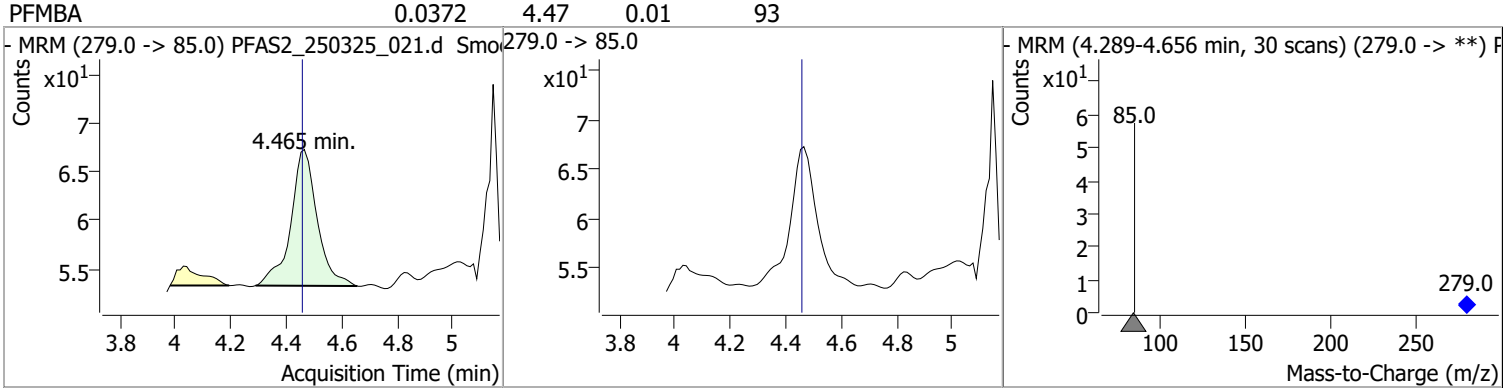
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6225	4.22	0.00	186729				



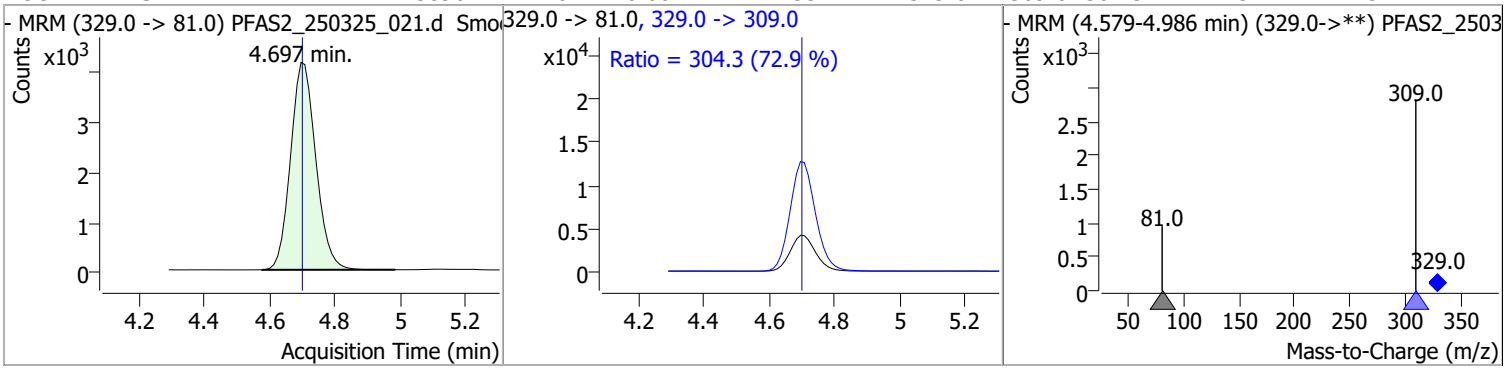
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0521	4.22	0.00	950	263.0 -> 68.9		0.1	0.3



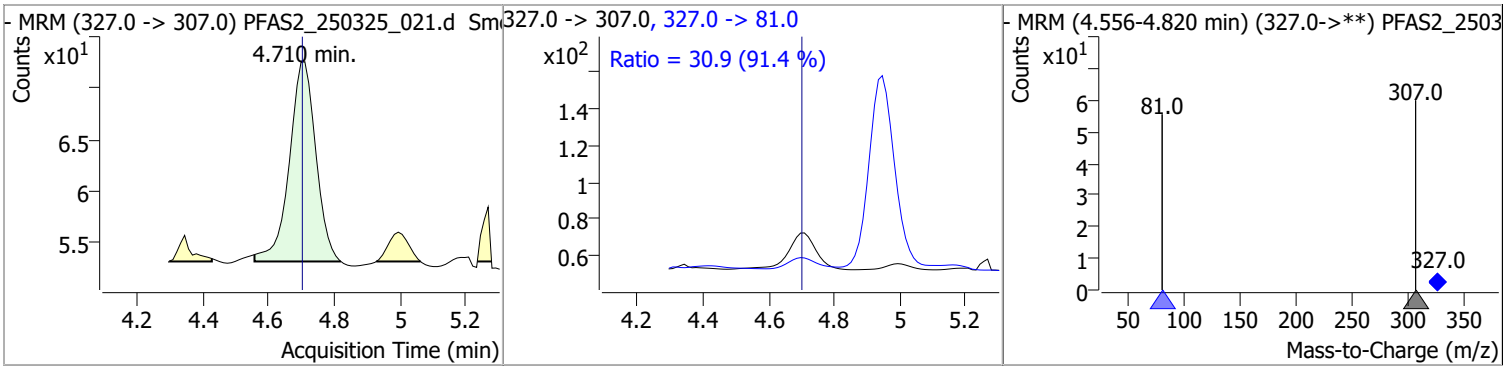
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0372	4.47	0.01	93				



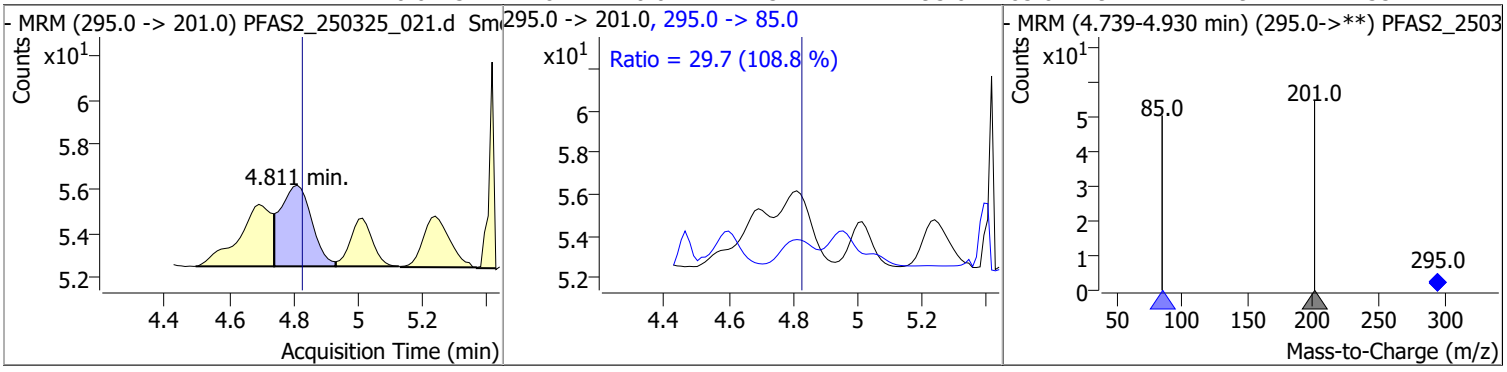
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.3890	4.70	0.00	22299	329.0 -> 309.0	304.3	292.1	542.4



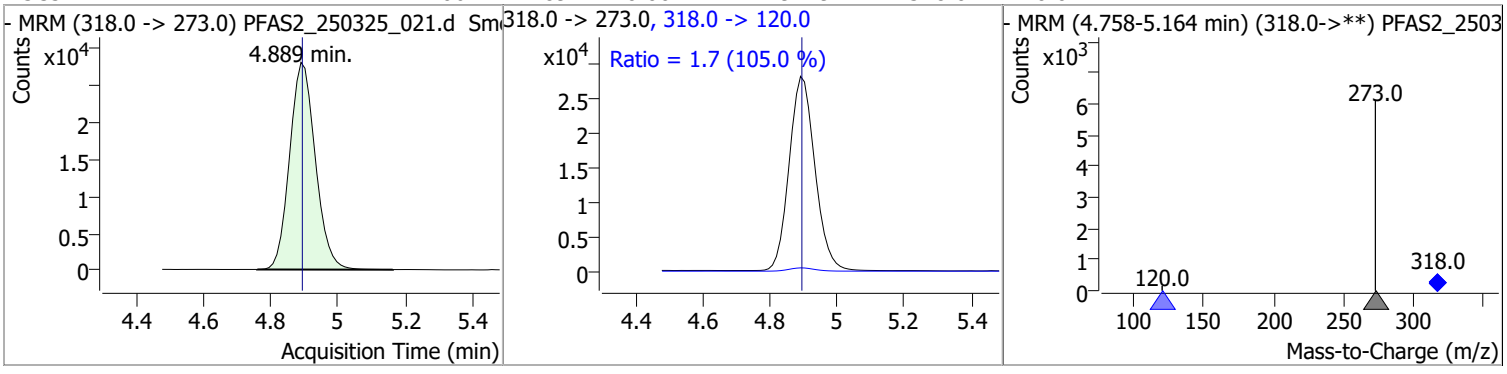
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0081	4.71	0.01	109	327.0 -> 81.0	30.9	23.6	43.9



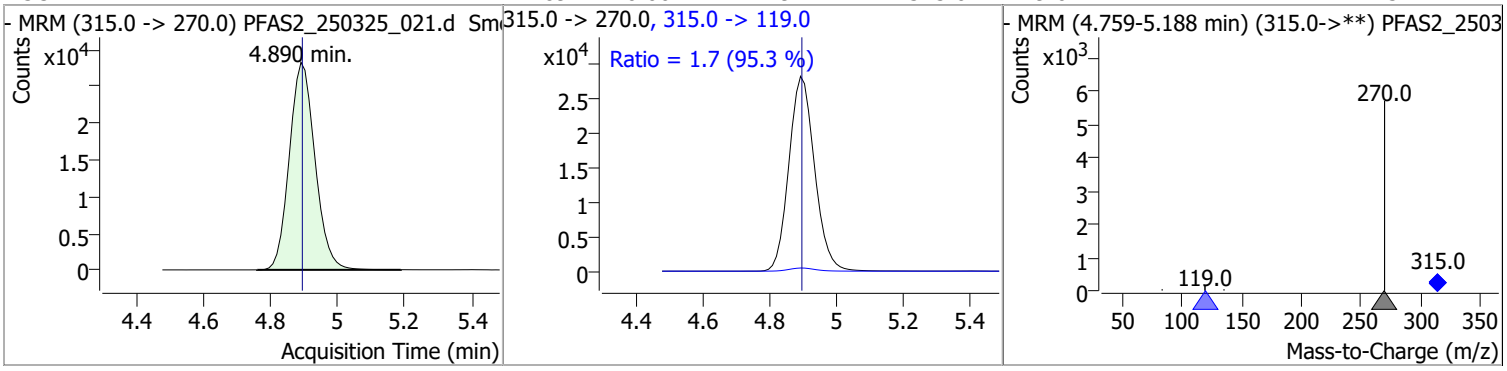
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0223	4.81	-0.01	25	295.0 -> 85.0	29.7	19.1	35.4



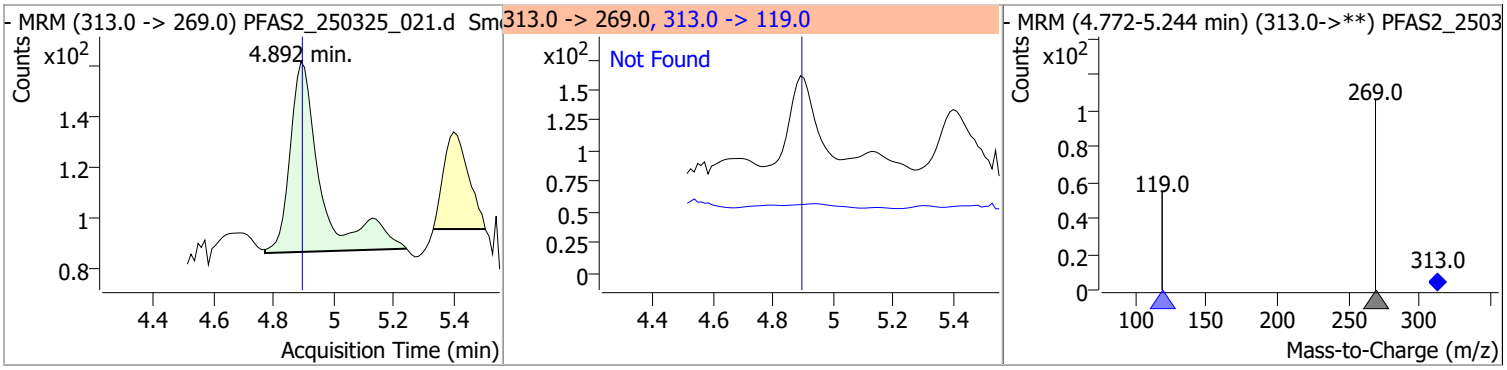
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2706	4.89	0.00	149729	318.0 -> 120.0	1.7	1.1	2.1



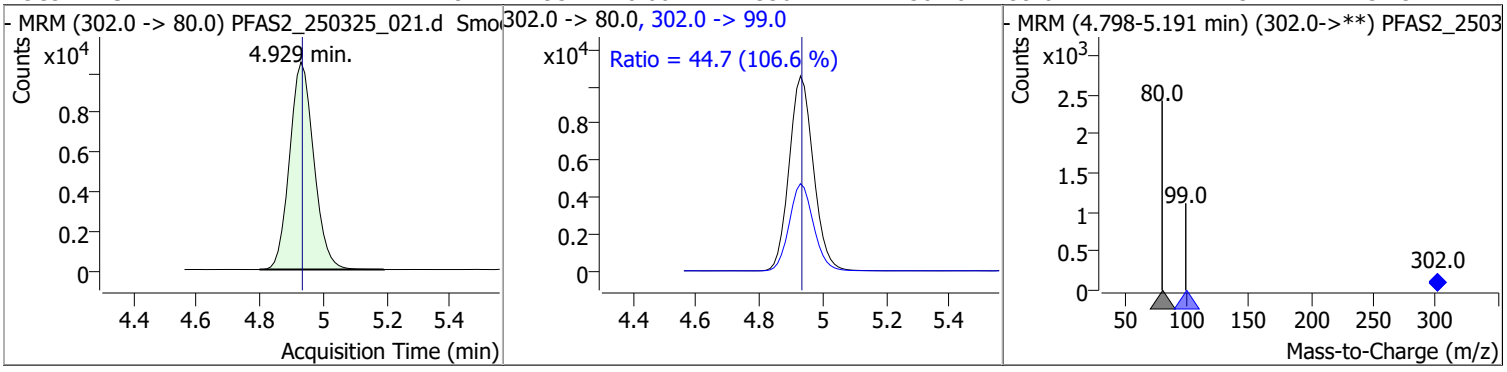
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	149771	315.0 -> 119.0	1.7	1.2	2.3



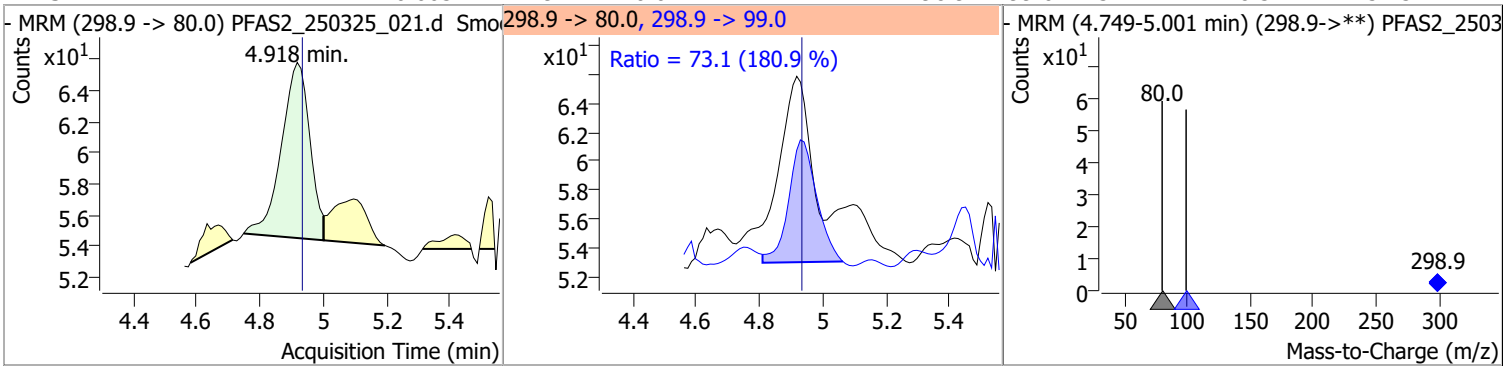
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0101	4.89	0.00	543	313.0 -> 119.0		2.4	4.5



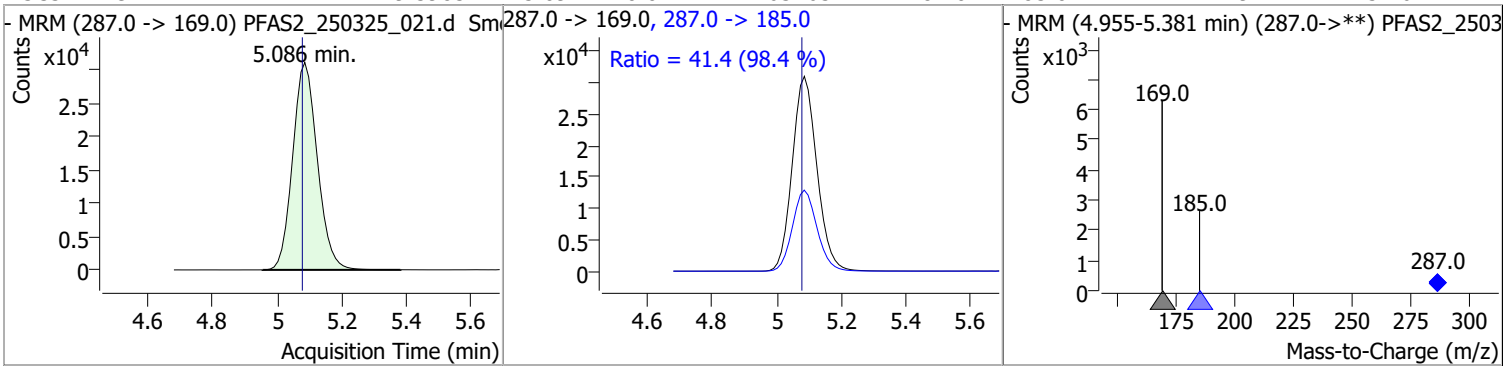
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2729	4.93	0.00	55677	302.0 -> 99.0	44.7	29.4	54.5



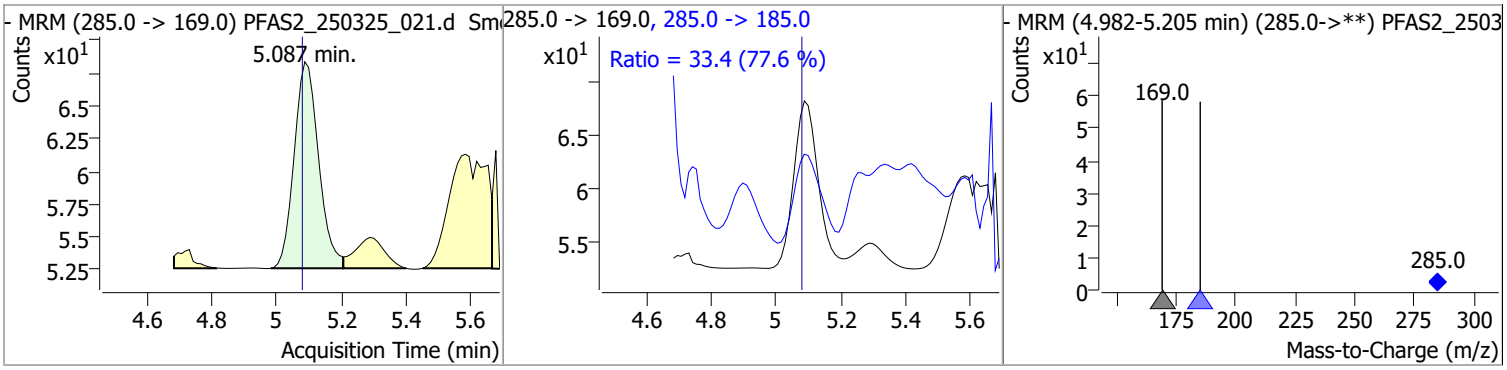
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0031	4.92	-0.01	71	298.9 -> 99.0	73.1	28.3	52.5



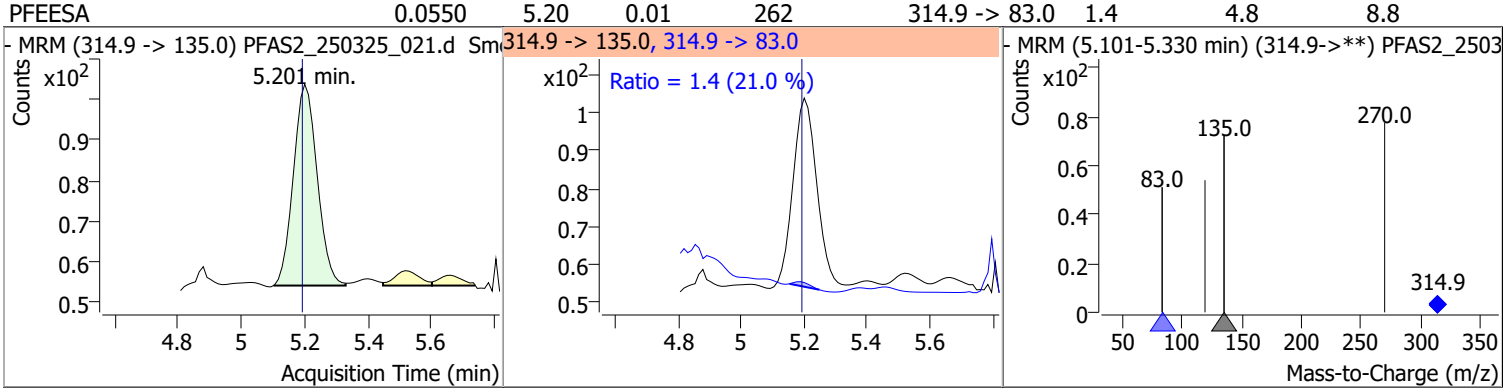
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5985	5.09	0.01	163765	287.0 -> 185.0	41.4	29.4	54.6



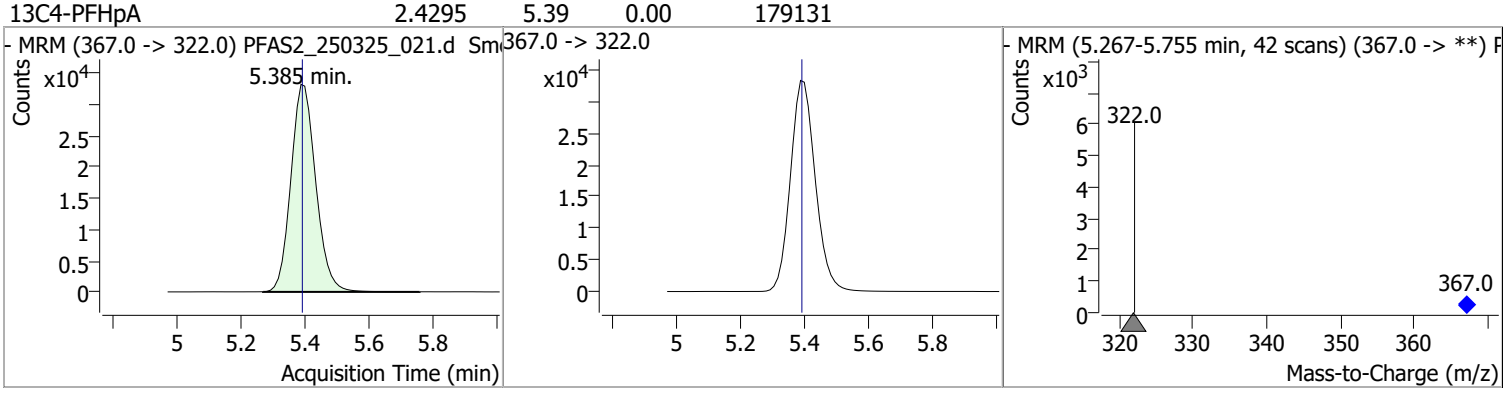
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0057	5.09	0.01	82	285.0 -> 185.0	33.4	30.1	56.0



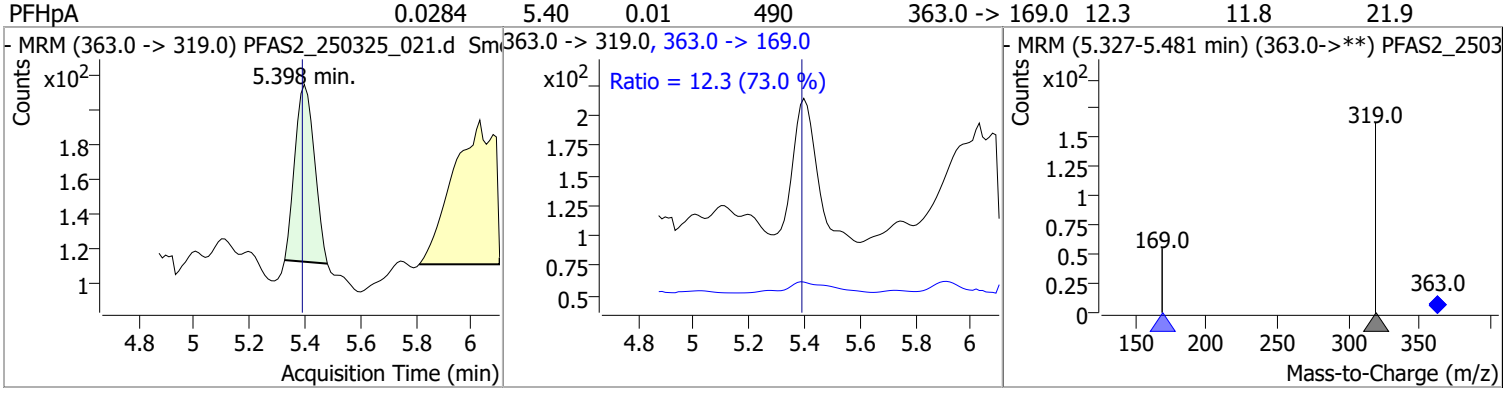
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0550	5.20	0.01	262	314.9 -> 83.0	1.4	4.8	8.8



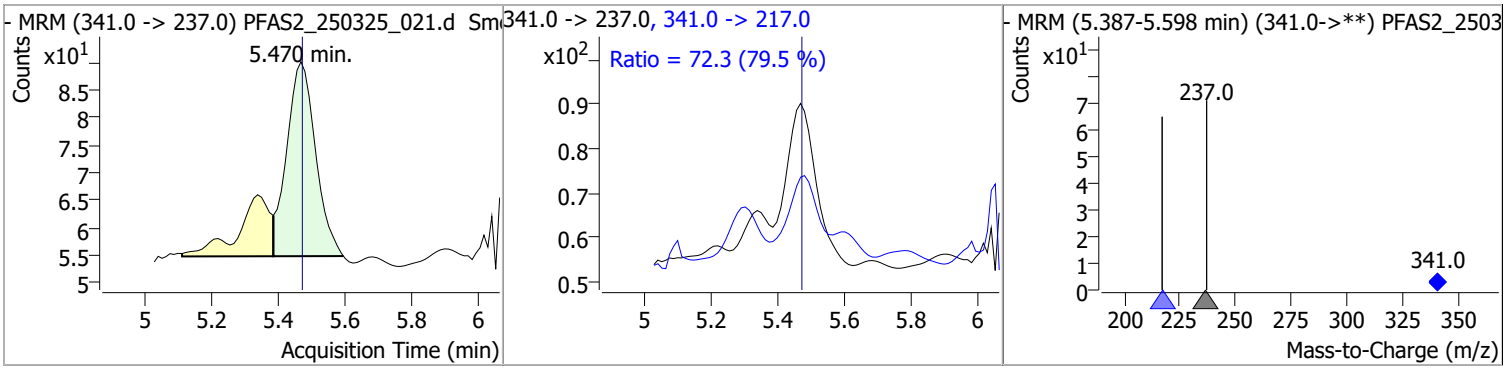
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4295	5.39	0.00	179131				



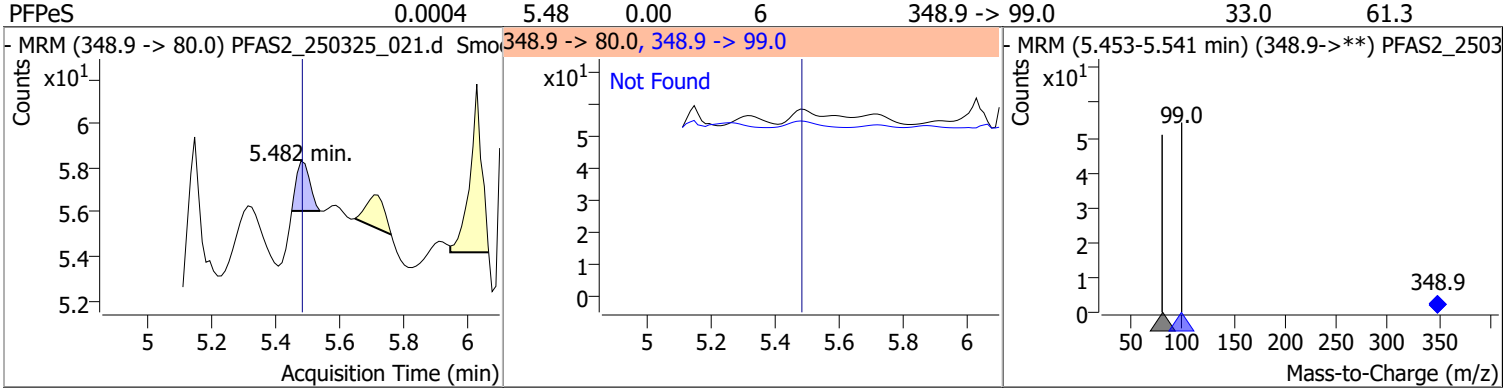
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0284	5.40	0.01	490	363.0 -> 169.0	12.3	11.8	21.9



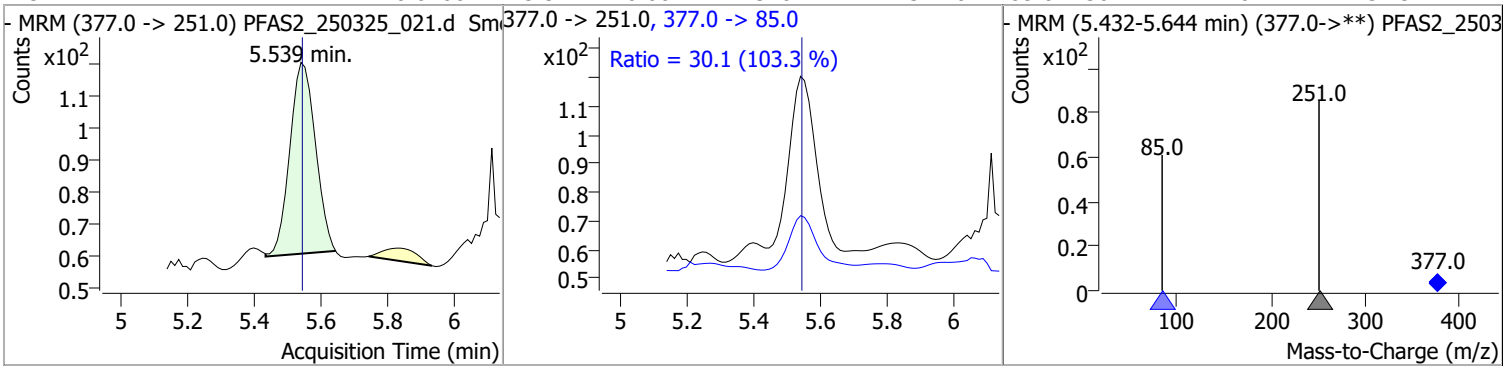
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.2278	5.47	0.00	211	341.0 -> 217.0	72.3	63.6	118.1



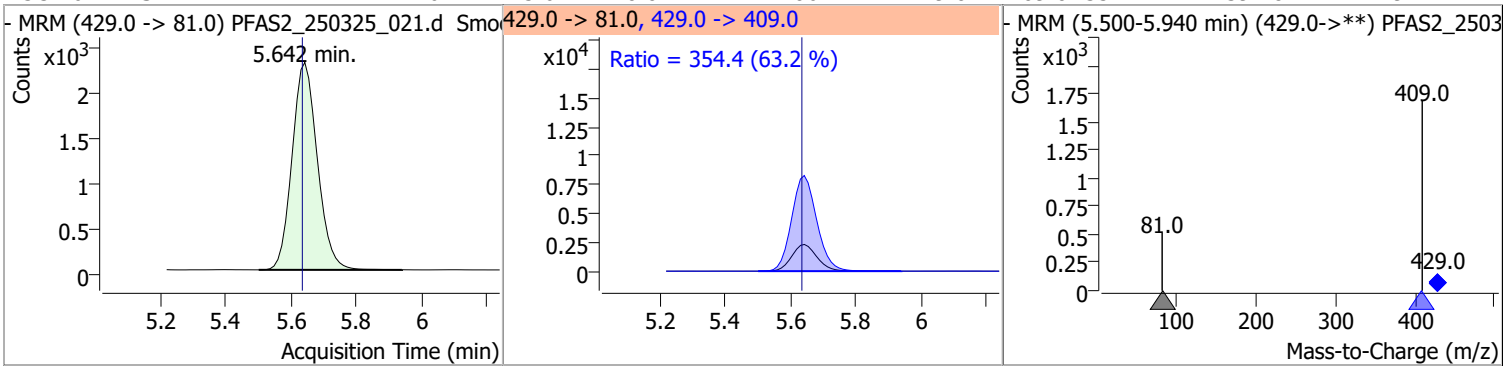
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0004	5.48	0.00	6	348.9 -> 99.0		33.0	61.3



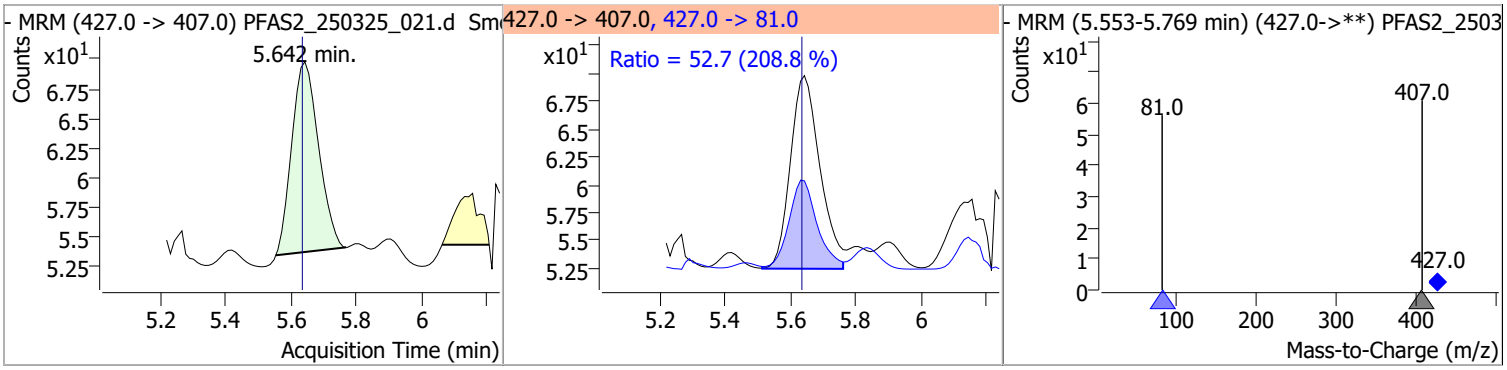
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0708	5.54	0.00	320	377.0 -> 85.0	30.1	20.4	37.9



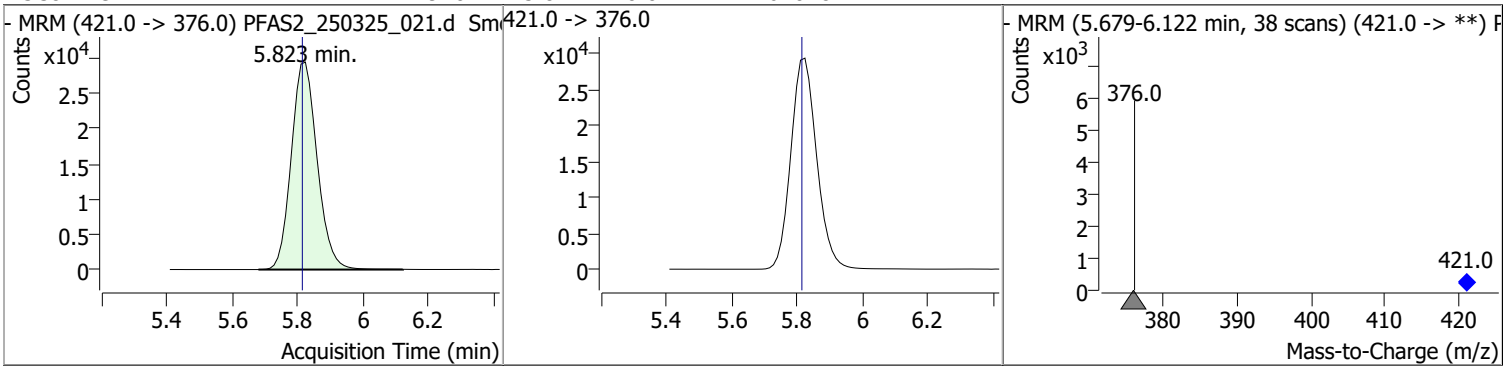
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.1647	5.64	0.01	12406	429.0 -> 409.0	354.4	392.8	729.4



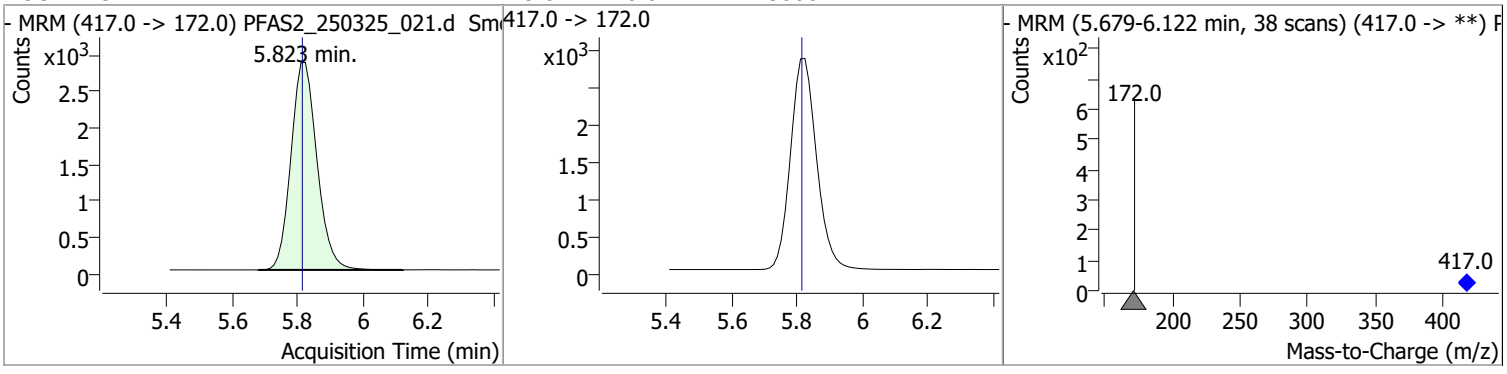
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1204	5.64	0.01	91	427.0 -> 81.0	52.7	17.7	32.8



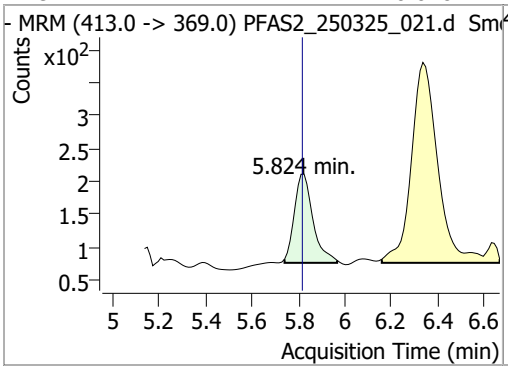
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2920	5.82	0.01	162028				

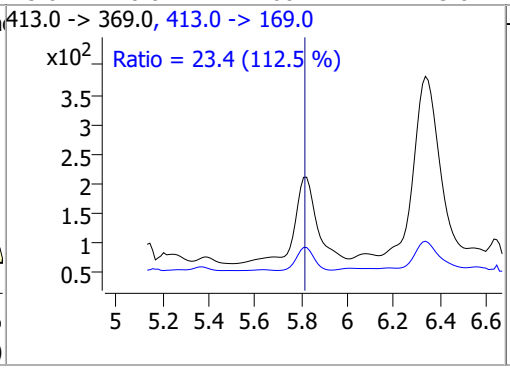


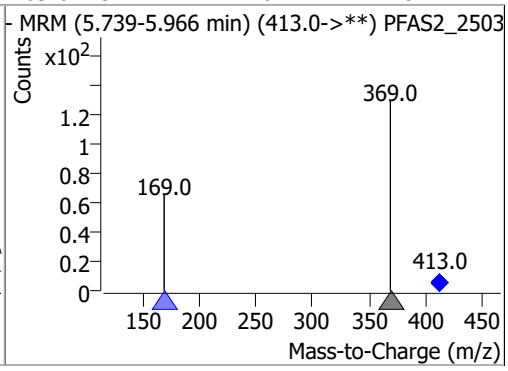
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	15808				



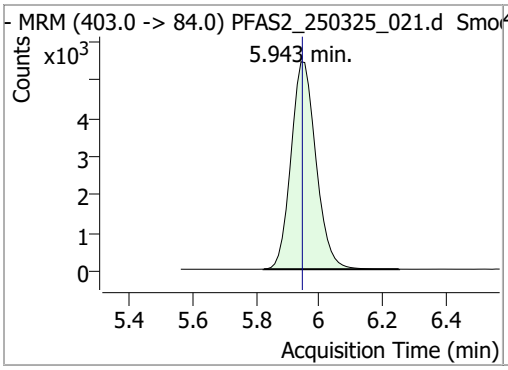
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0482	5.82	0.01	760	413.0 -> 169.0	23.4	14.6	27.0

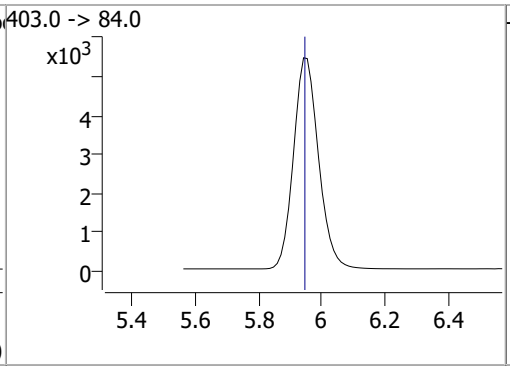


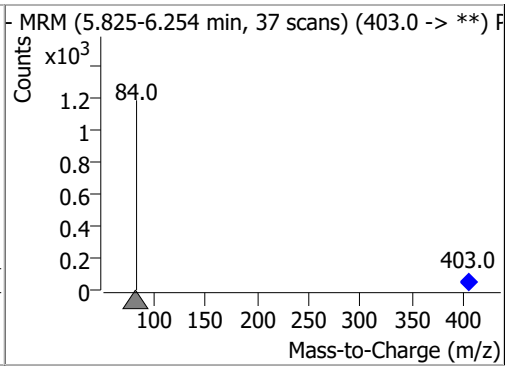




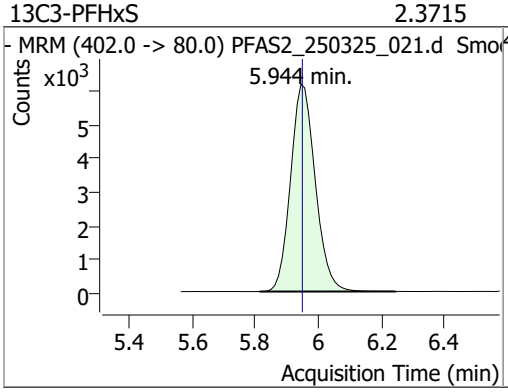
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	29914				

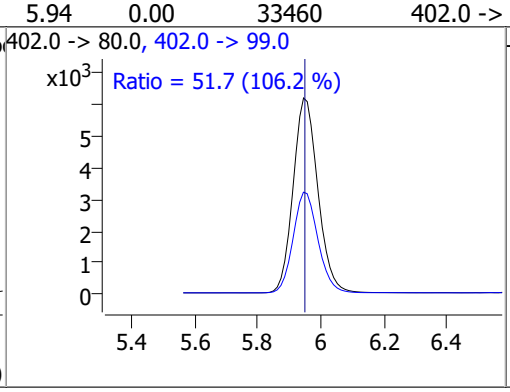


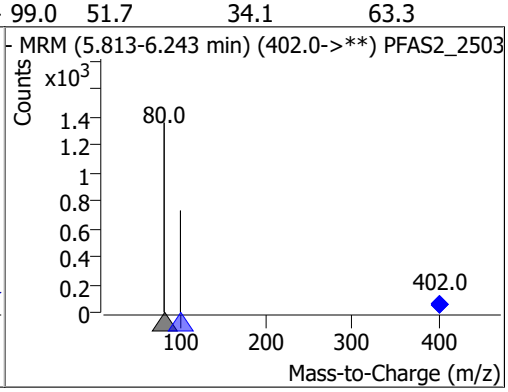




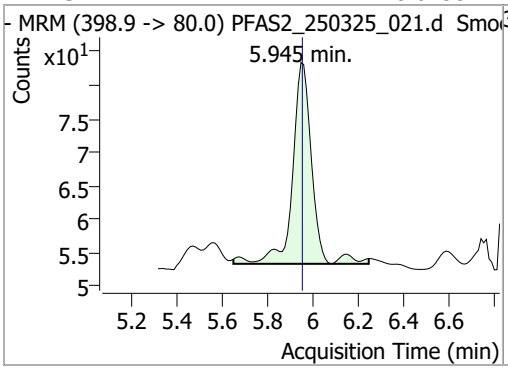
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3715	5.94	0.00	33460	402.0 -> 99.0	51.7	34.1	63.3

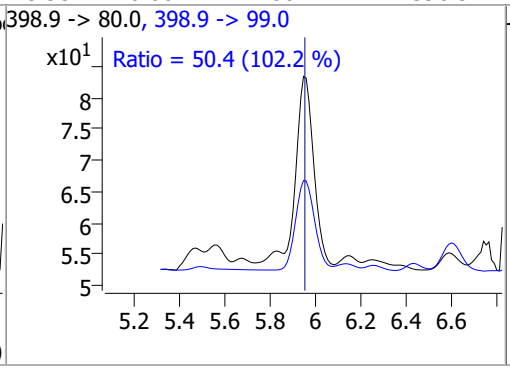


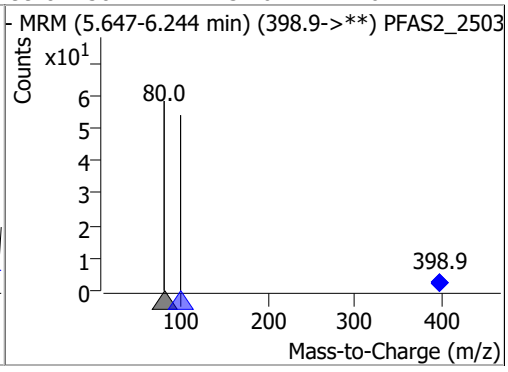




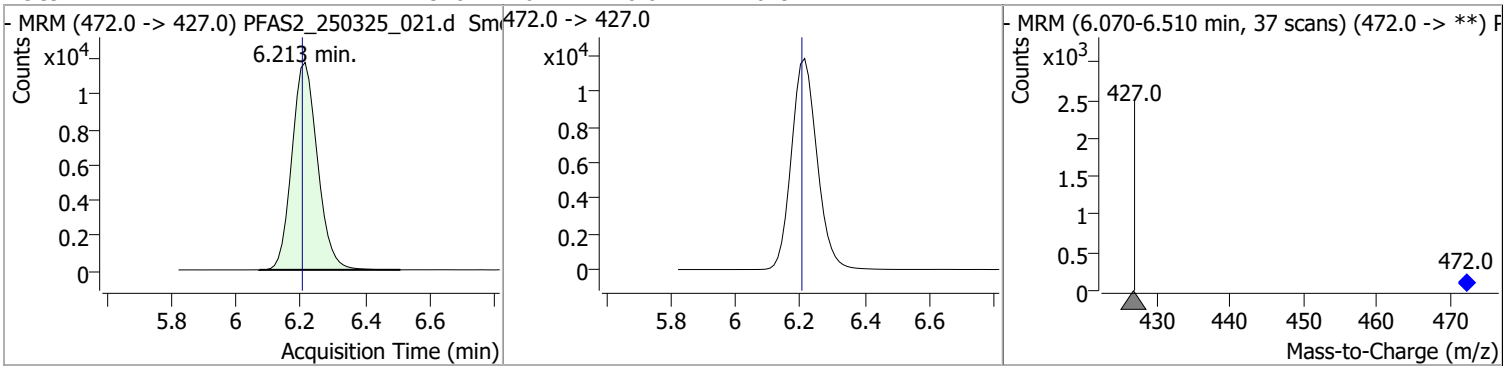
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0138	5.95	0.00	180	398.9 -> 99.0	50.4	34.6	64.2



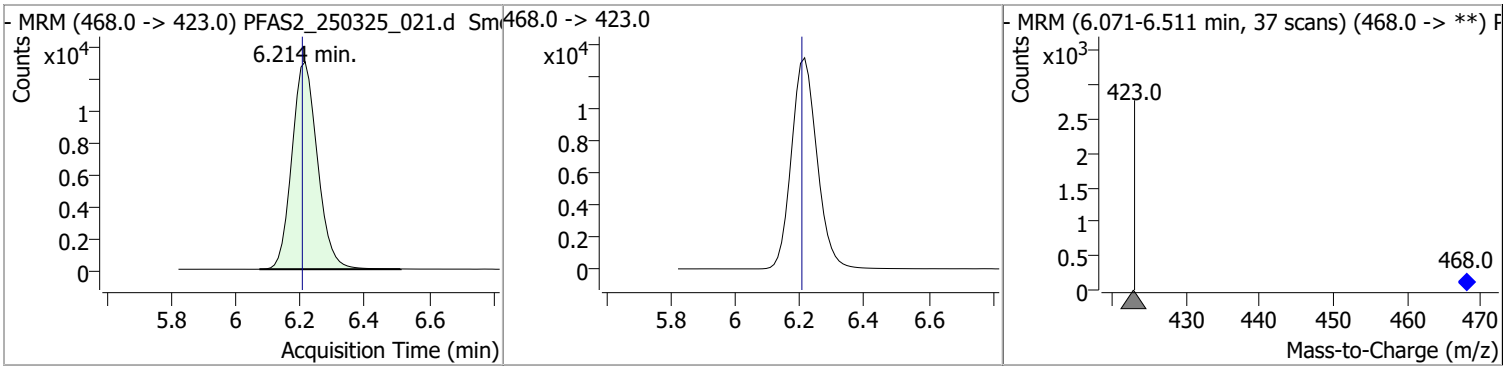




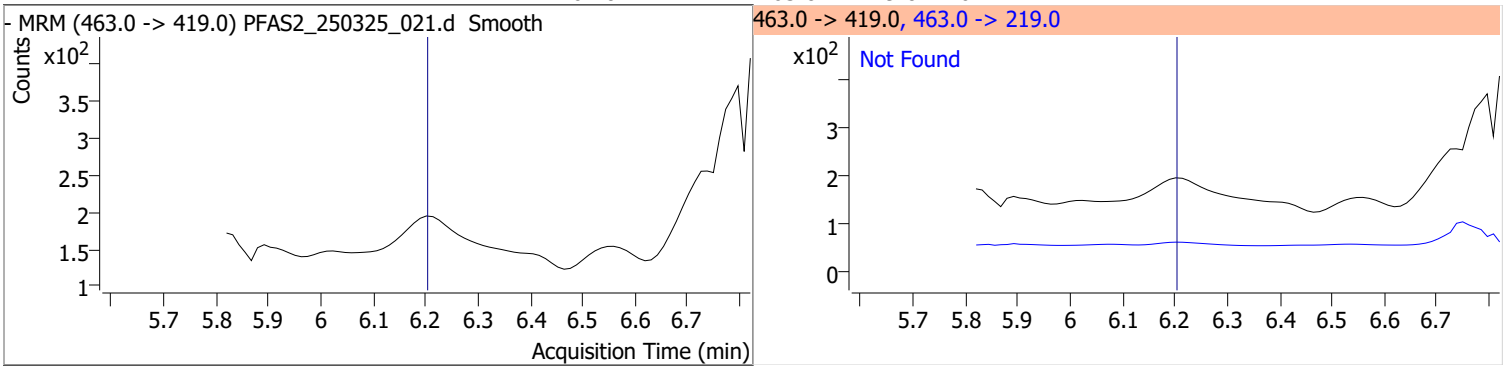
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1320	6.21	0.01	64917				



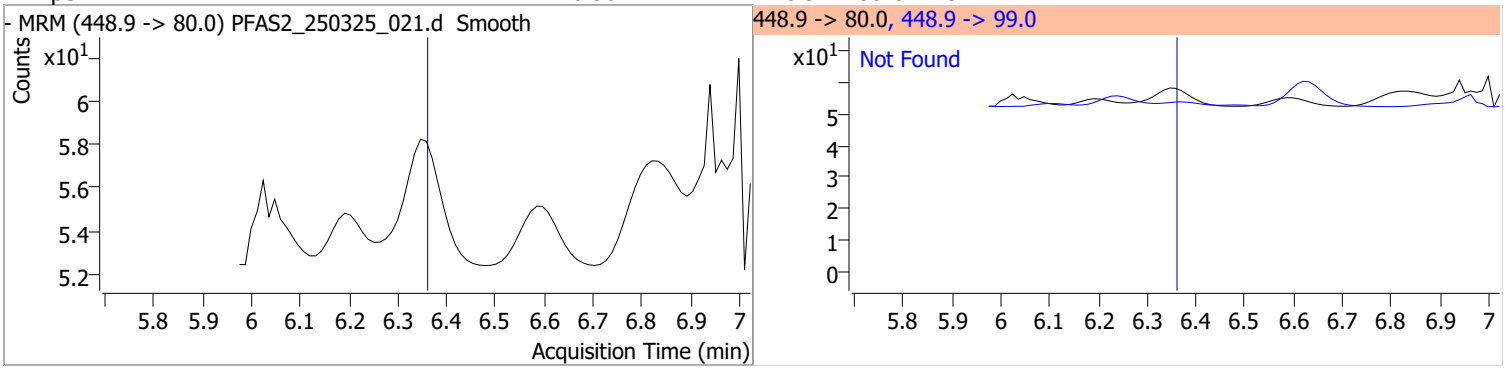
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	72369				



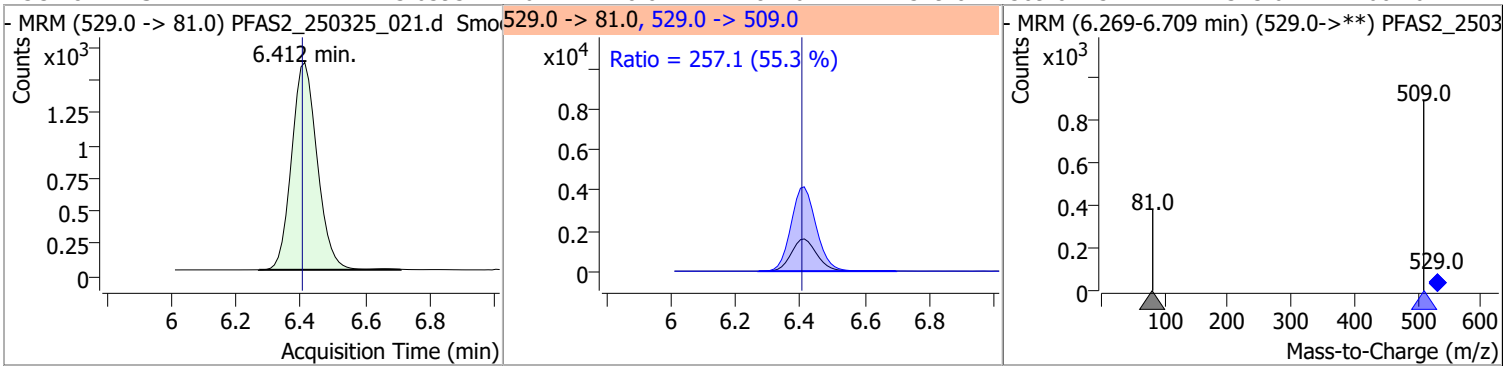
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	6.20	463.0 -> 219.0	16.1



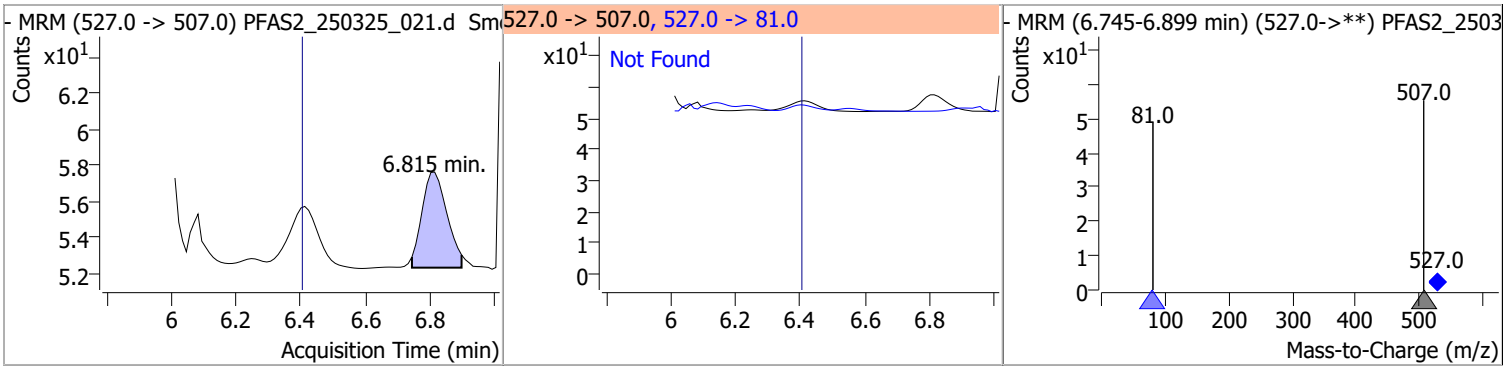
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFHpS	N.D.	6.36	448.9 -> 99.0	52.1



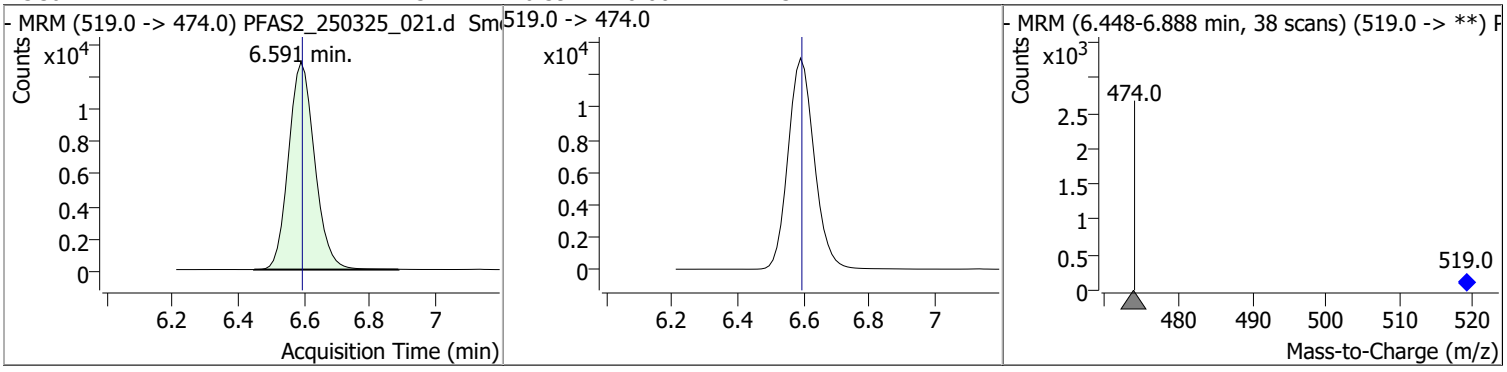
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	3.6393	6.41	0.01	8716	529.0 -> 509.0	257.1	325.6	604.6



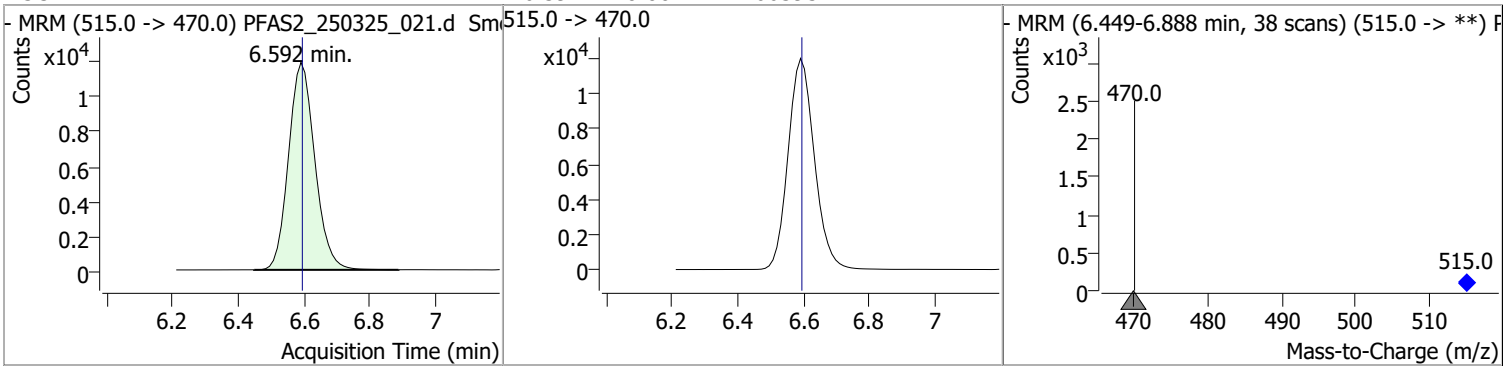
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0796	6.82	0.42	29	527.0 -> 81.0		19.7	36.6



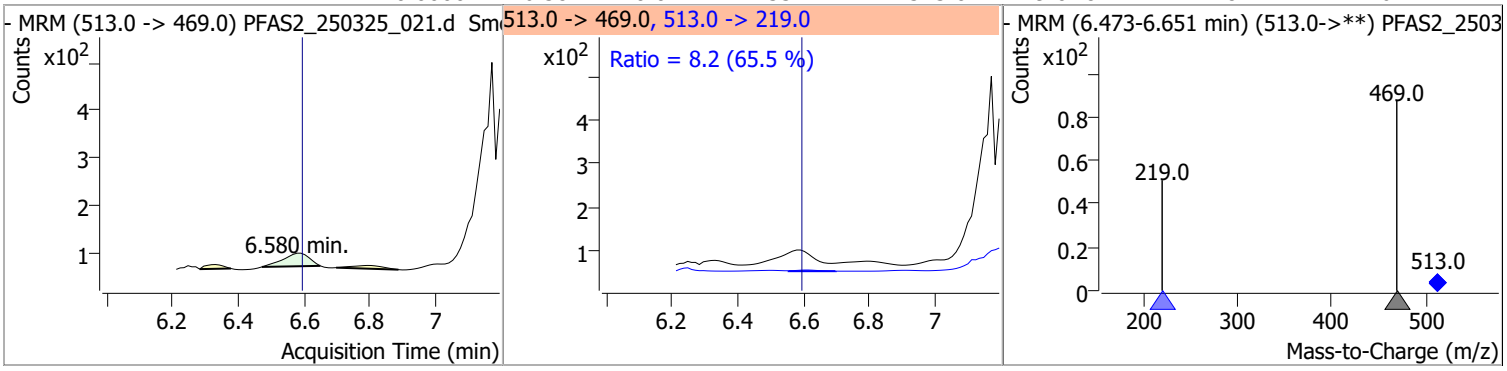
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3241	6.59	0.00	71541				



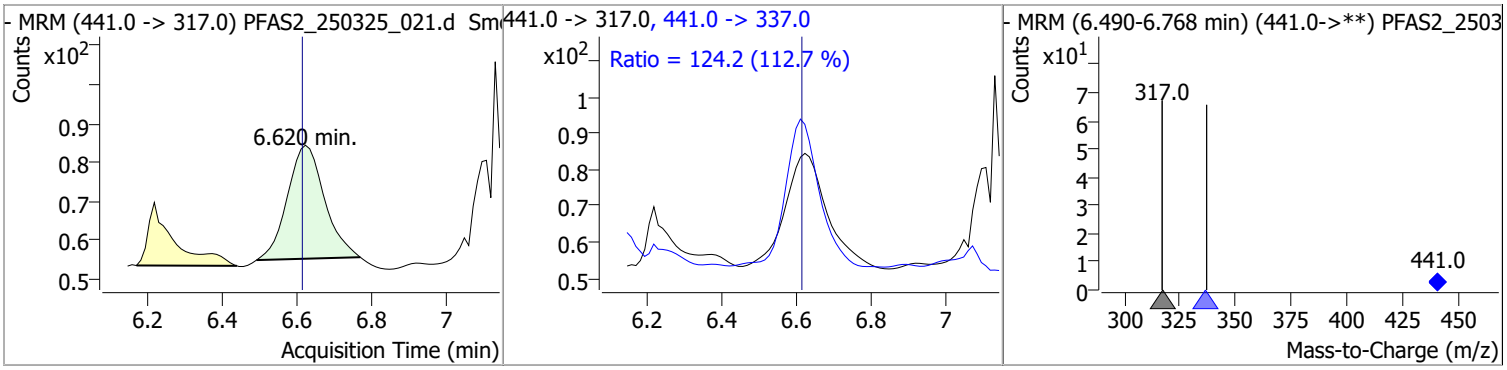
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	66395				



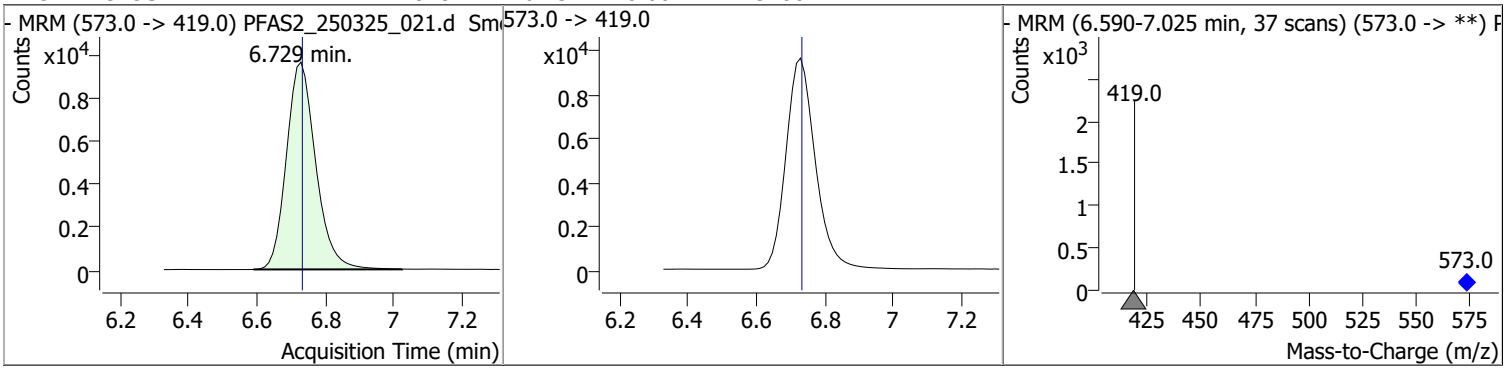
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0000	6.58	-0.01	153	513.0 -> 219.0	8.2	8.7	16.2



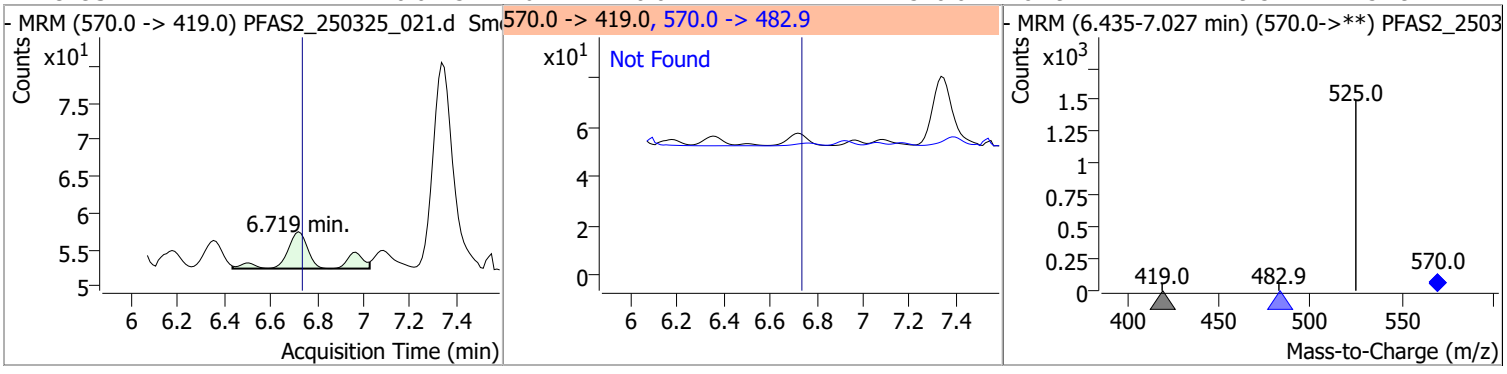
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.3081	6.62	0.01	200	441.0 -> 337.0	124.2	77.1	143.3



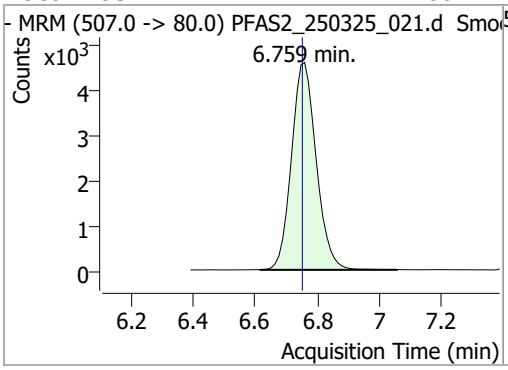
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9494	6.73	0.00	57081				

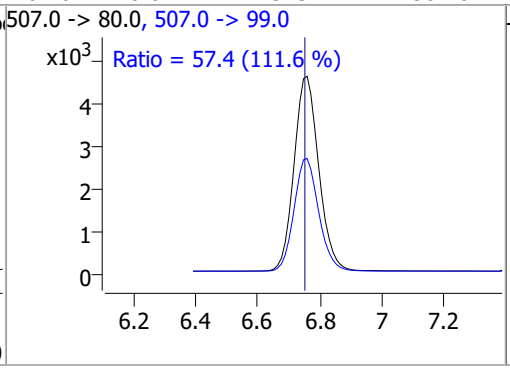


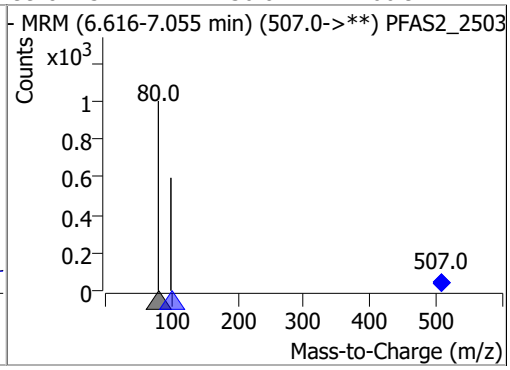
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0123	6.72	-0.01	42	570.0 -> 482.9		29.5	54.9



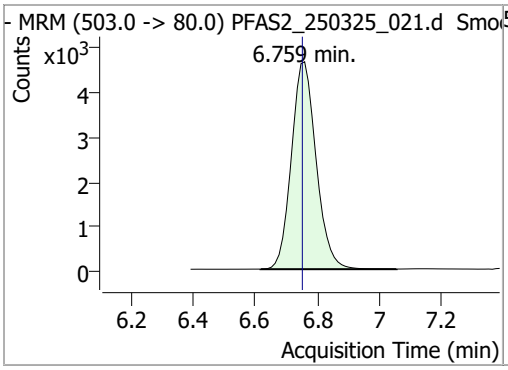
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4384	6.76	0.01	25437	507.0 -> 99.0	57.4	36.0	66.9

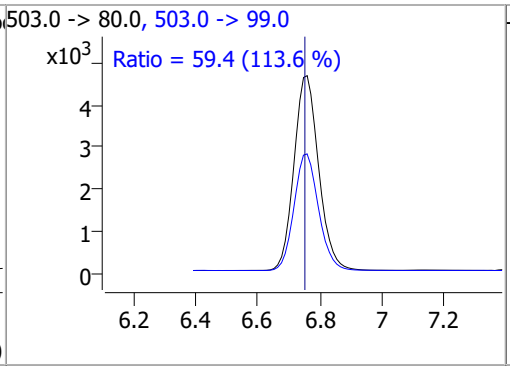


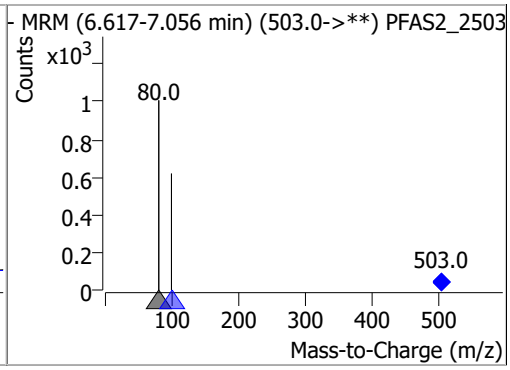




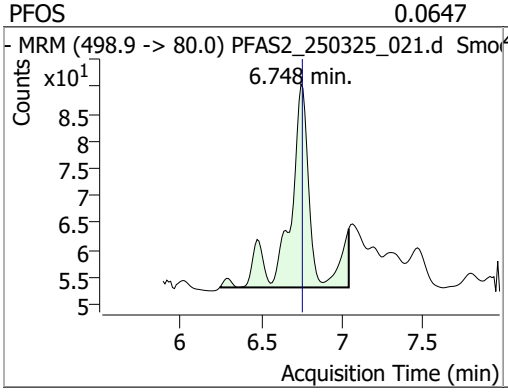
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	25703	503.0 -> 99.0	59.4	36.6	67.9

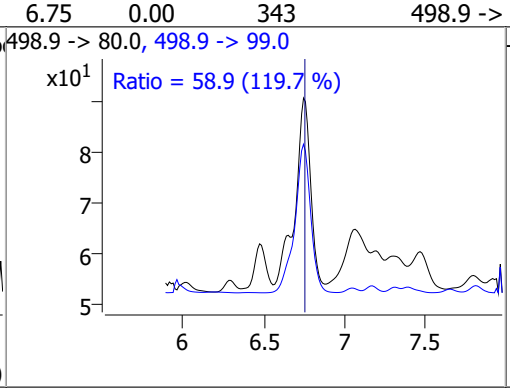


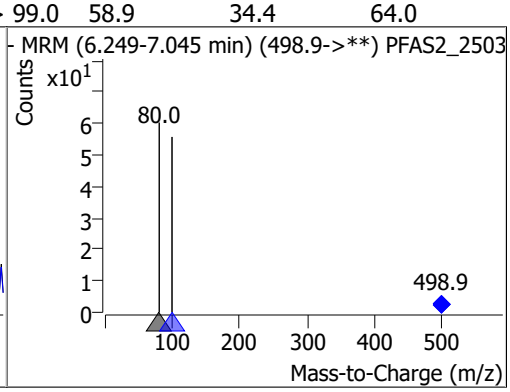




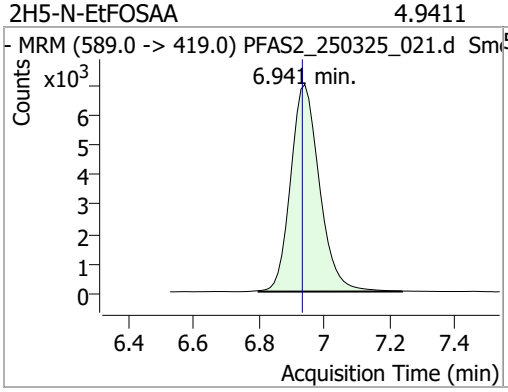
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0647	6.75	0.00	343	498.9 -> 99.0	58.9	34.4	64.0

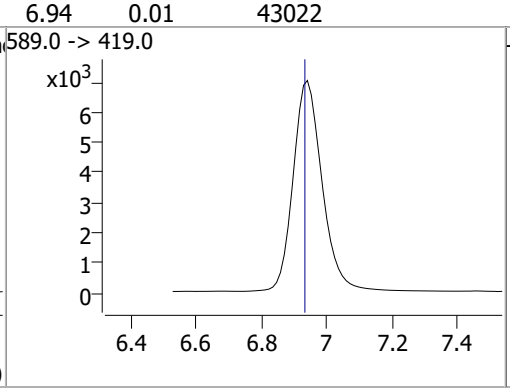


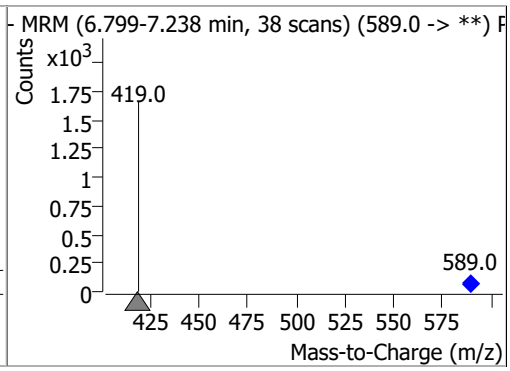




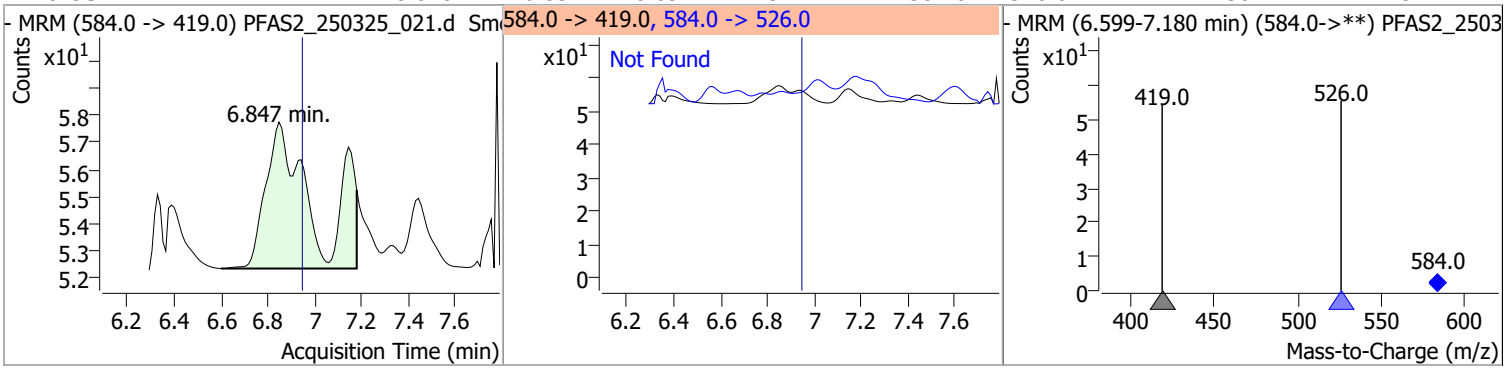
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9411	6.94	0.01	43022				



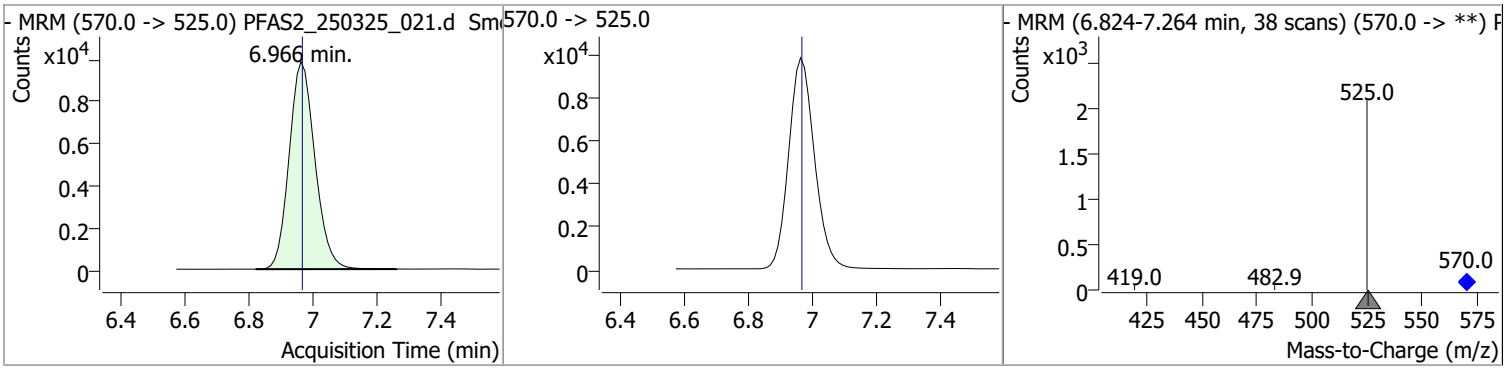




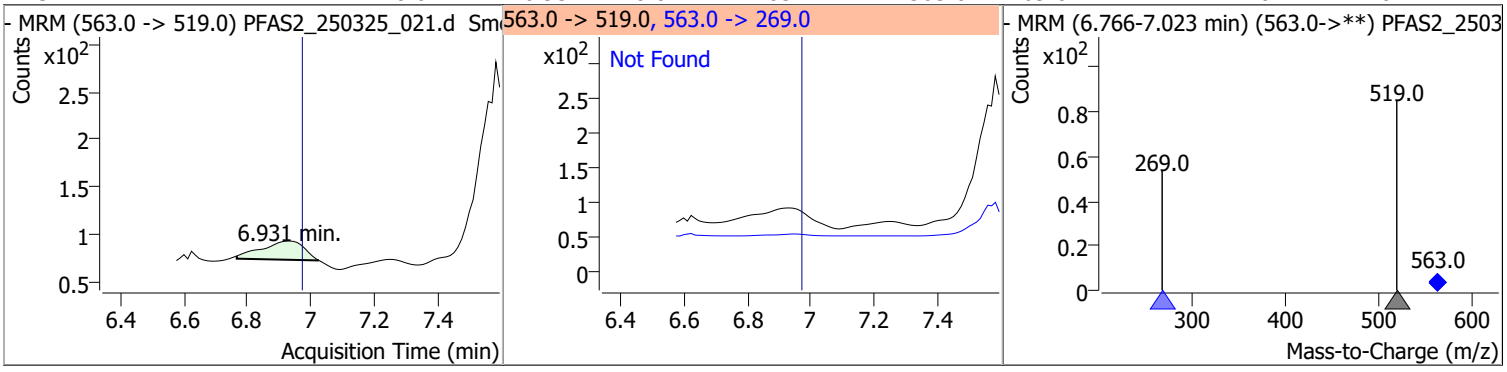
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0204	6.85	-0.09	75	584.0 -> 526.0		38.4	71.3



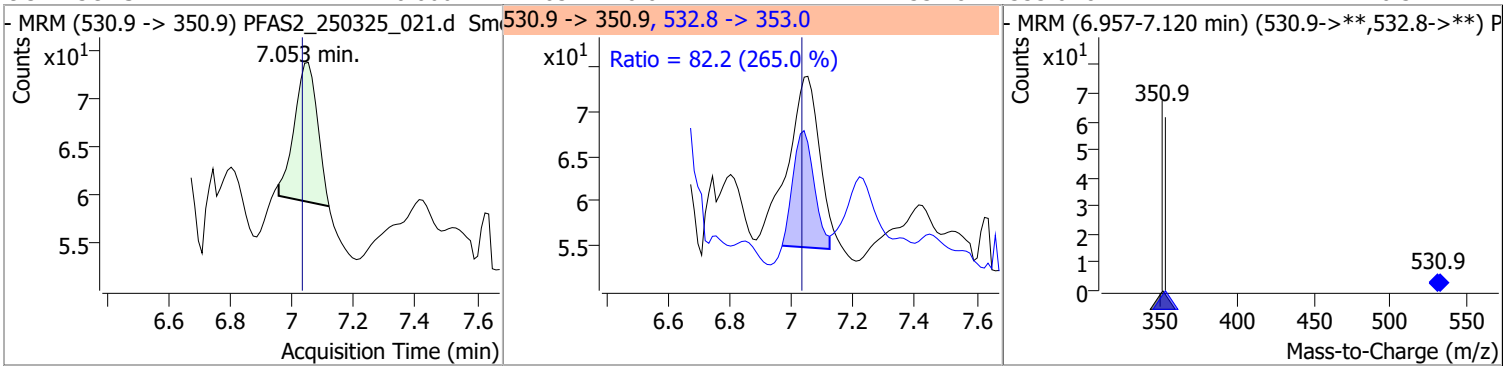
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2922	6.97	0.00	55022				



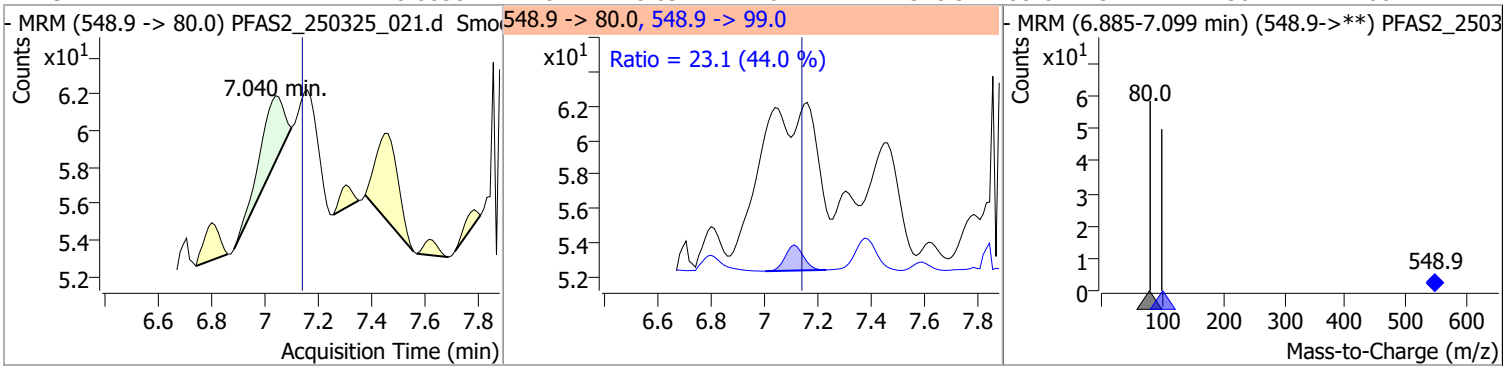
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0177	6.93	-0.04	183	563.0 -> 269.0		11.0	20.4



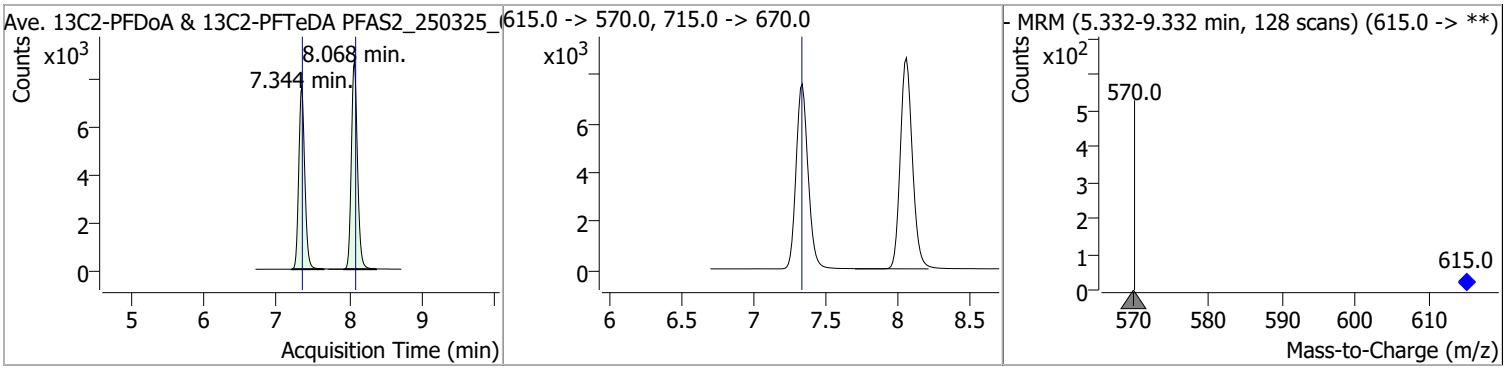
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0664	7.05	0.02	74	532.8 -> 353.0	82.2	21.7	40.3



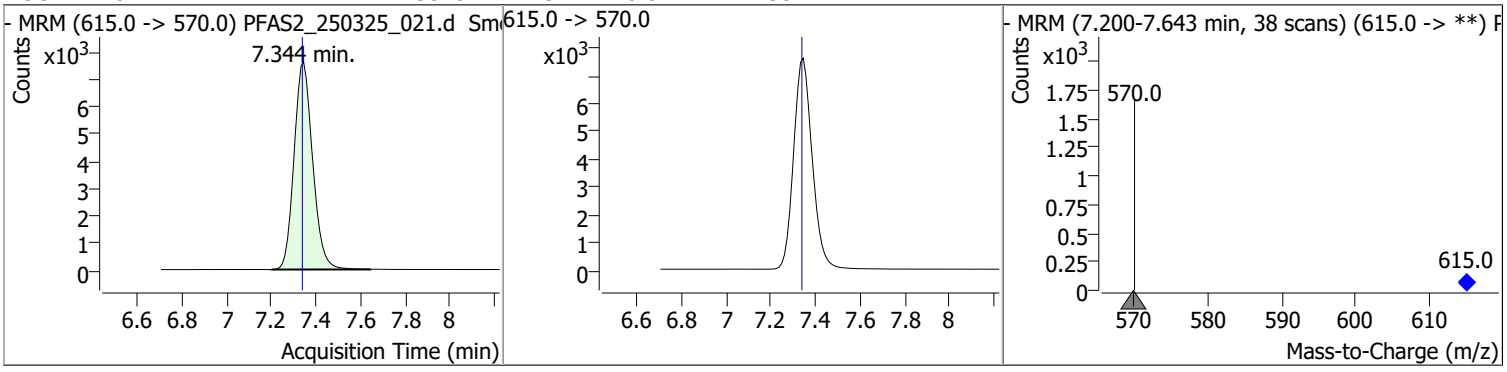
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0030	7.04	-0.09	26	548.9 -> 99.0	23.1	36.7	68.1



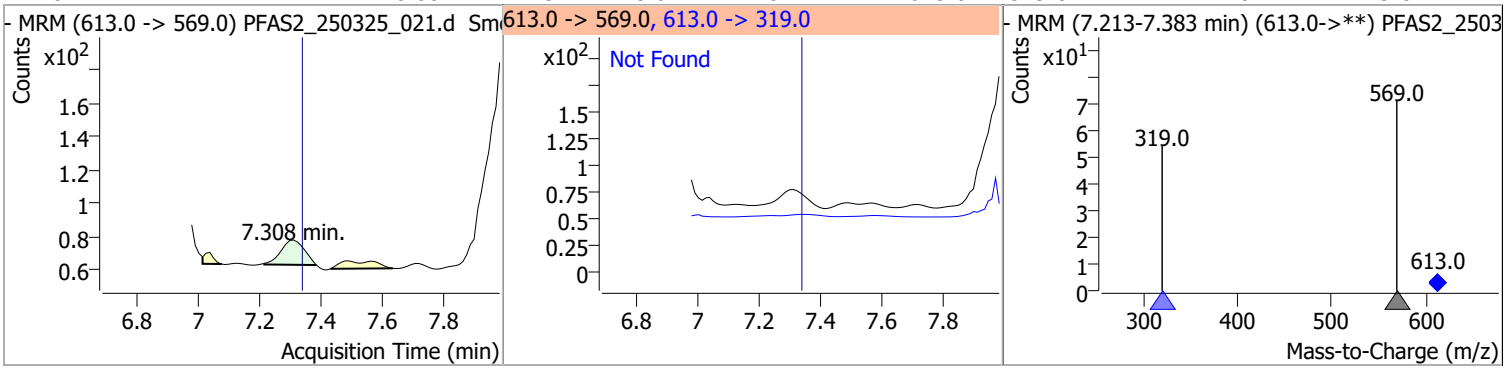
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3478	7.71	0.37	47301				



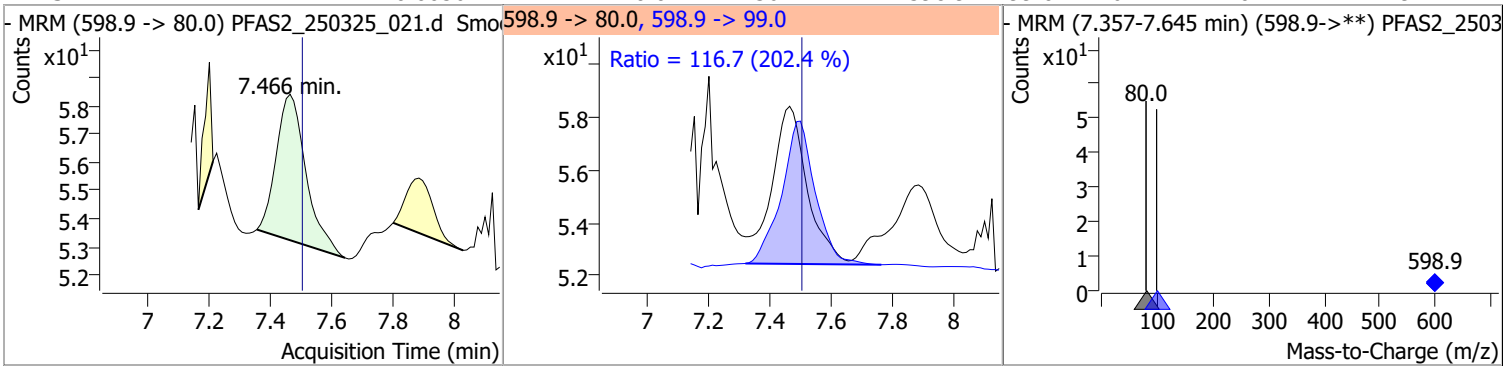
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3820	7.34	0.01	43841				



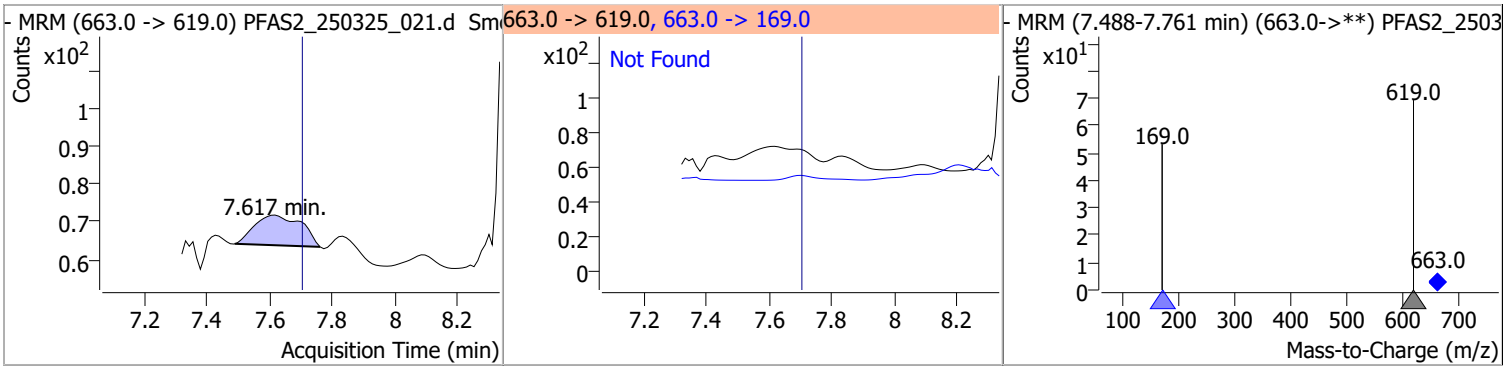
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0024	7.31	-0.02	78	613.0 -> 319.0		10.2	19.0



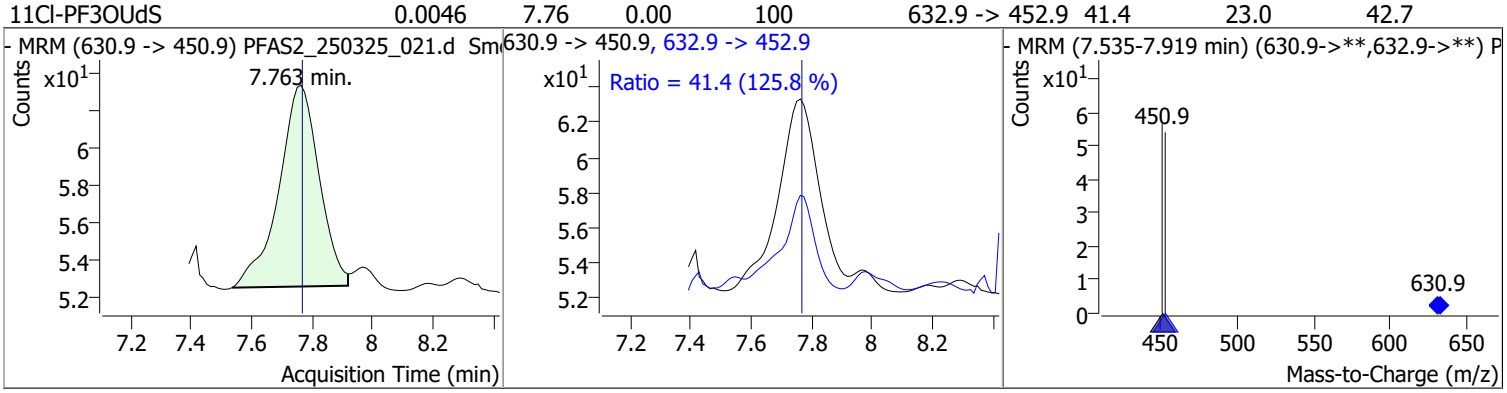
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0056	7.47	-0.04	36	598.9 -> 99.0	116.7	40.4	74.9



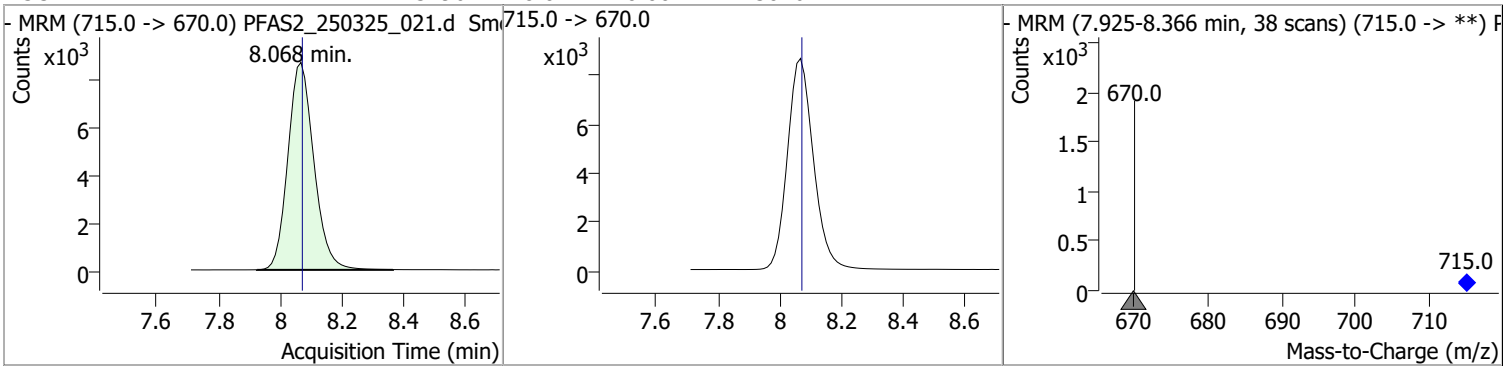
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0023	7.62	-0.08	83	663.0 -> 169.0		7.2	13.4



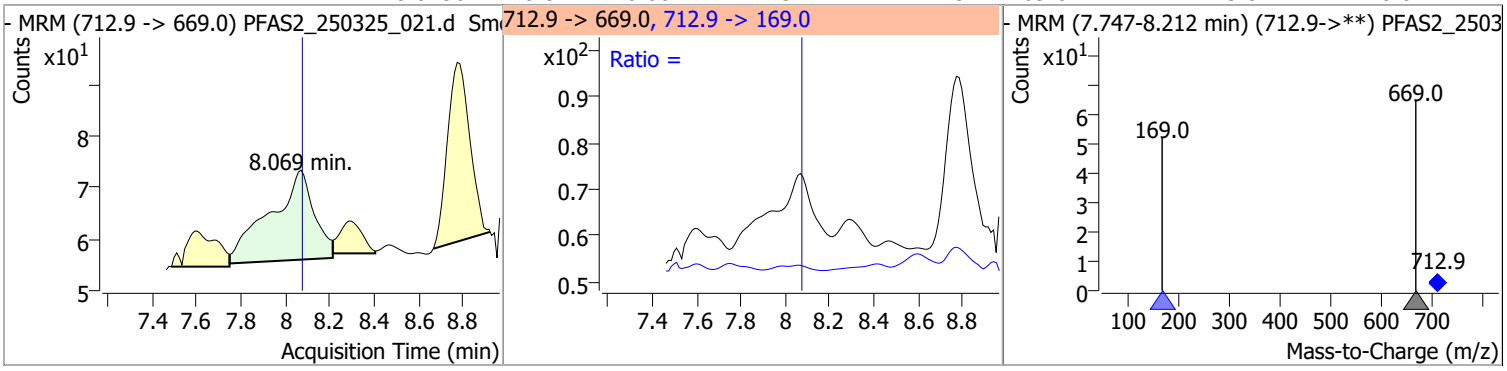
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0046	7.76	0.00	100	632.9 -> 452.9	41.4	23.0	42.7



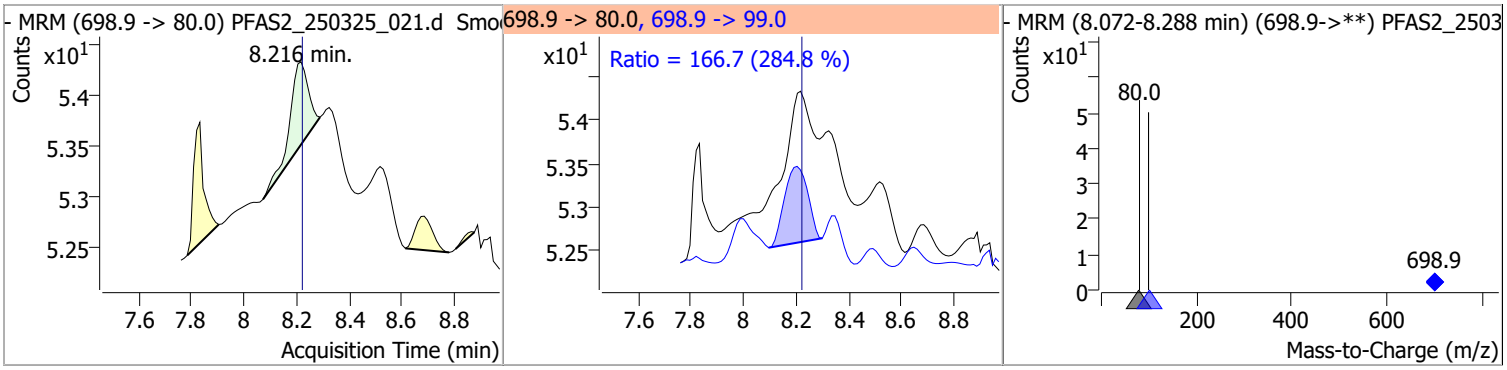
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3196	8.07	0.00	50761				



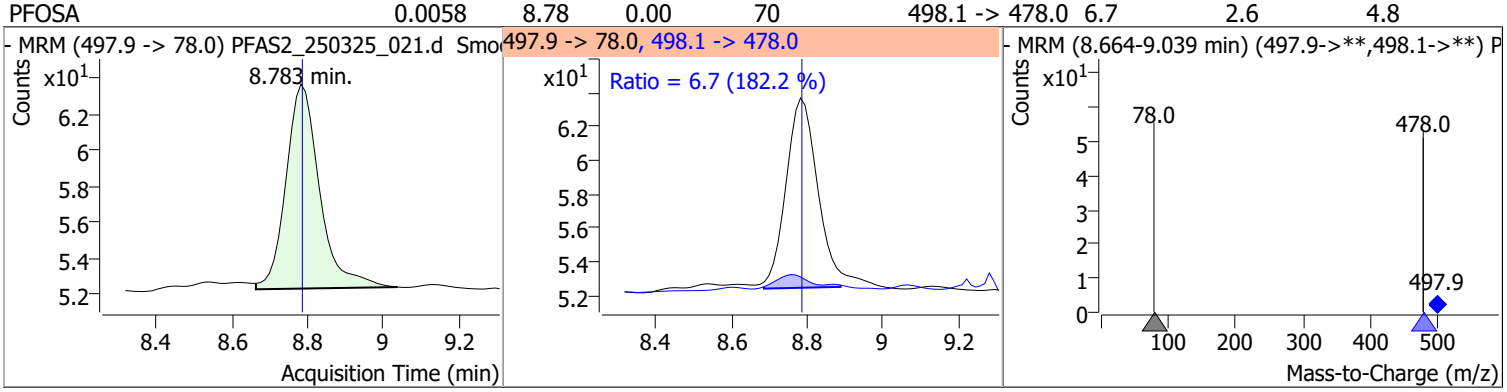
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0136	8.07	0.00	245	712.9 -> 169.0		5.8	10.8



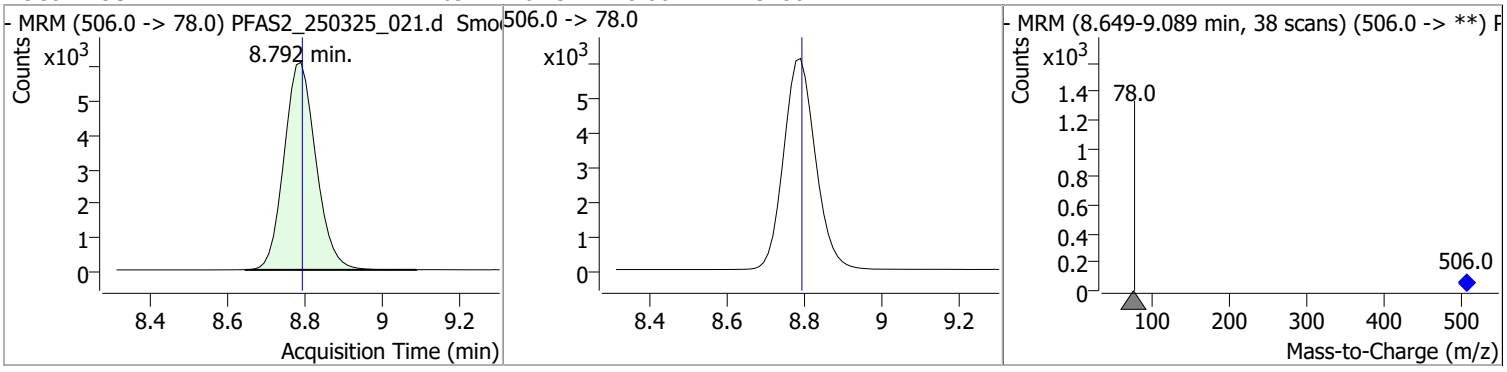
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0007	8.22	0.00	3	698.9 -> 99.0	166.7	41.0	76.1



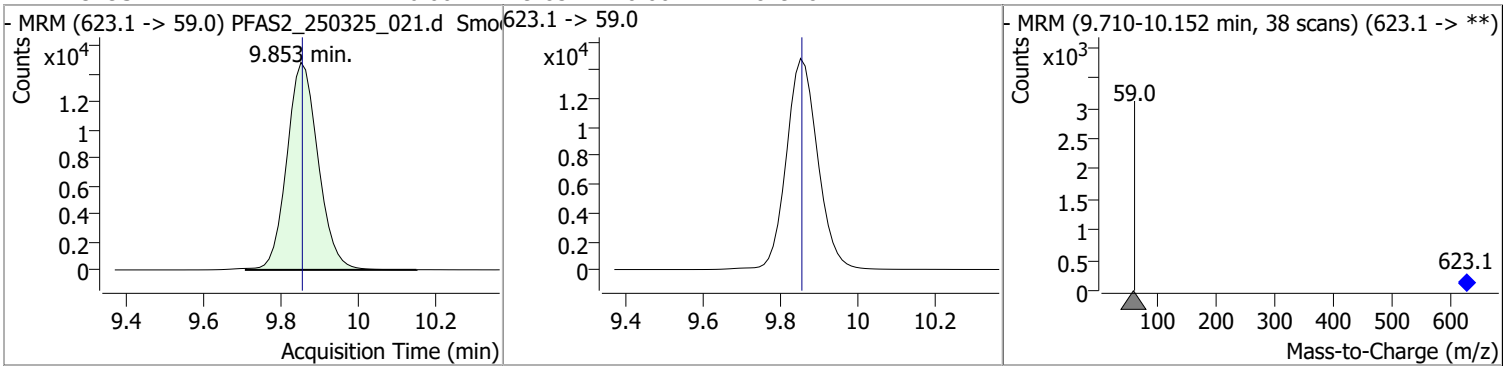
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0058	8.78	0.00	70	498.1 -> 478.0	6.7	2.6	4.8



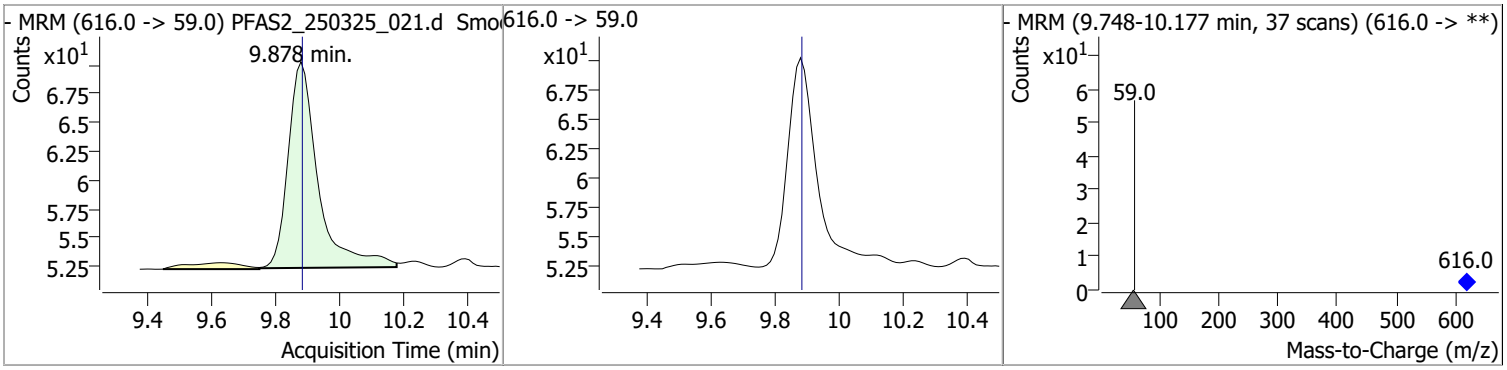
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2769	8.79	0.00	34807				



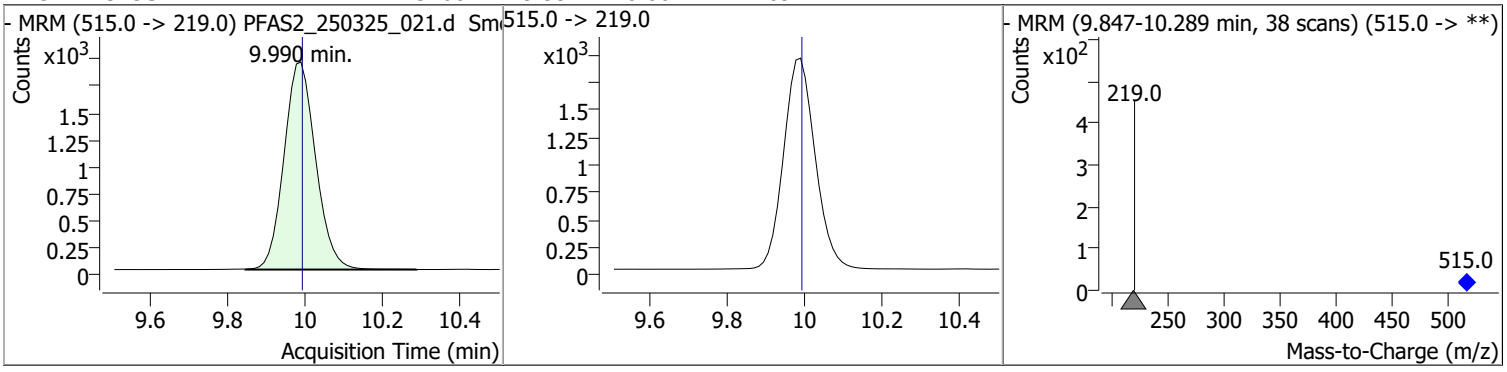
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	16.0011	9.85	0.00	82918				



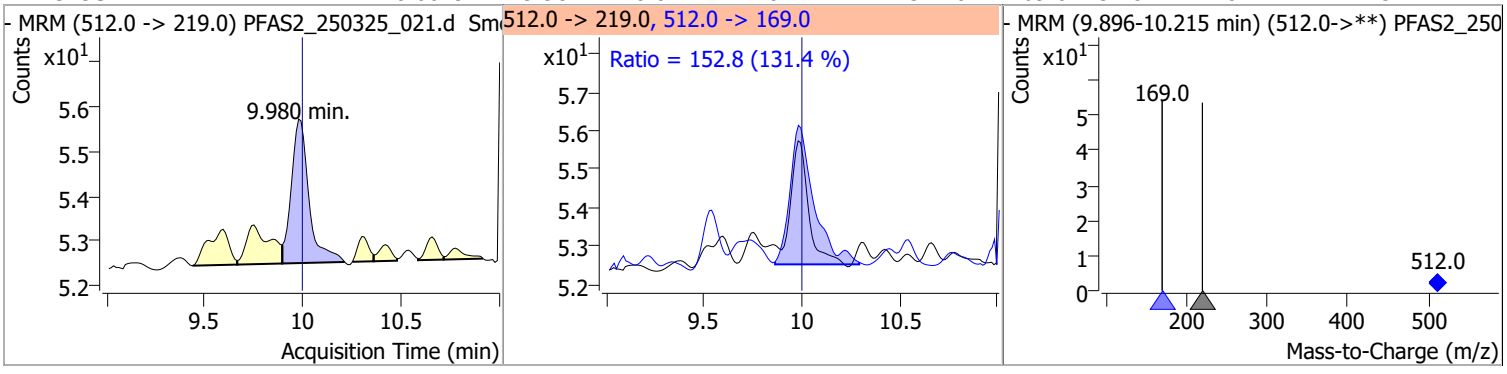
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0002	9.88	0.00	116				



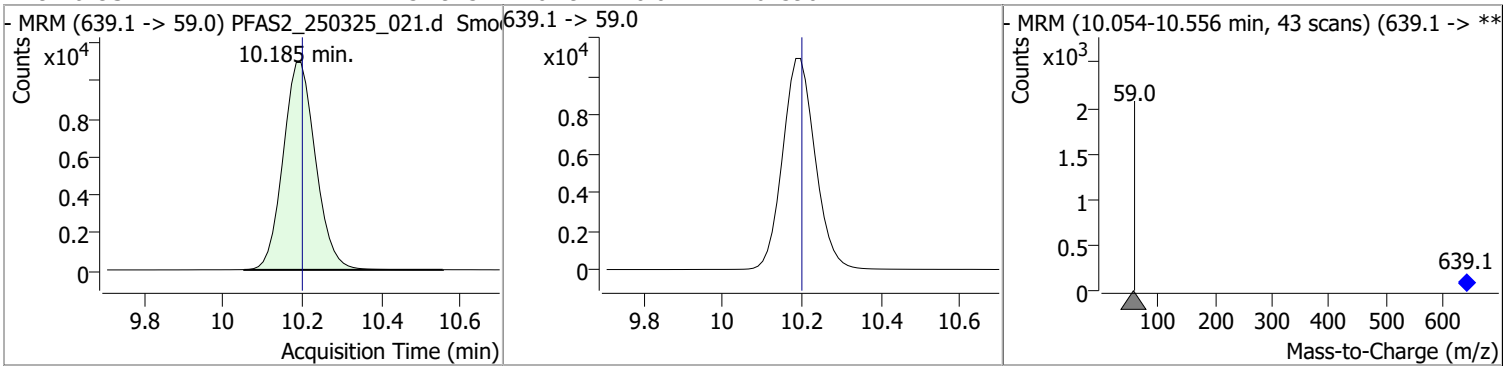
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5460	9.99	0.00	10922				



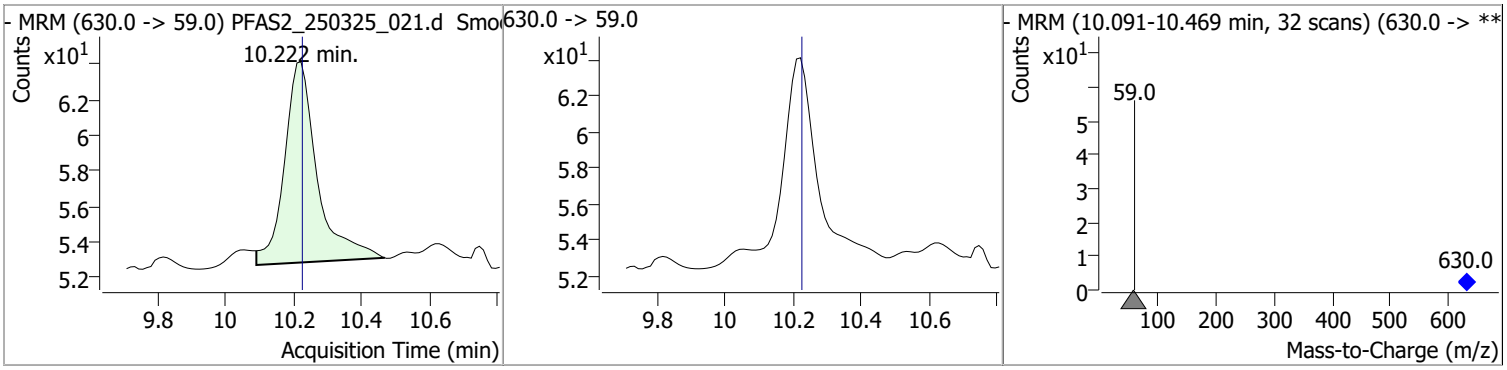
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0049	9.98	-0.01	20	512.0 -> 169.0	152.8	81.4	151.2



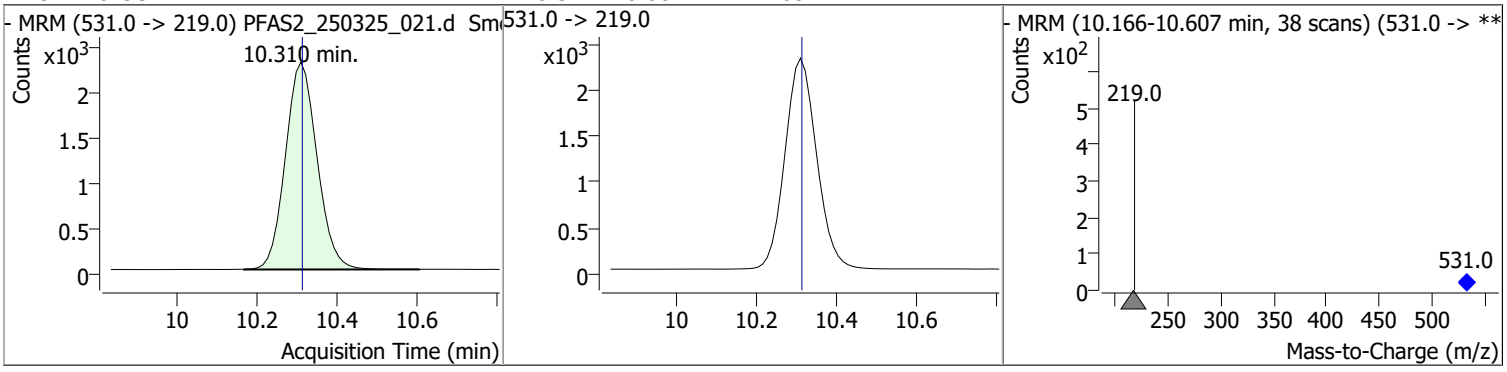
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.7923	10.19	-0.01	62390				



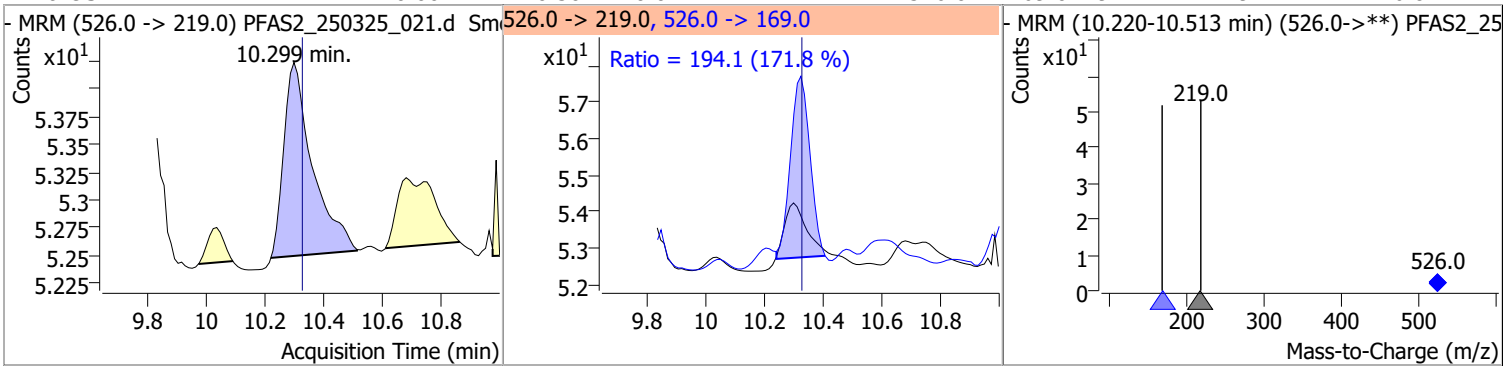
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0434	10.22	0.00	76				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7272	10.31	0.00	12651				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0024	10.30	-0.02	12	526.0 -> 169.0	194.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_030.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 10:21:45 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

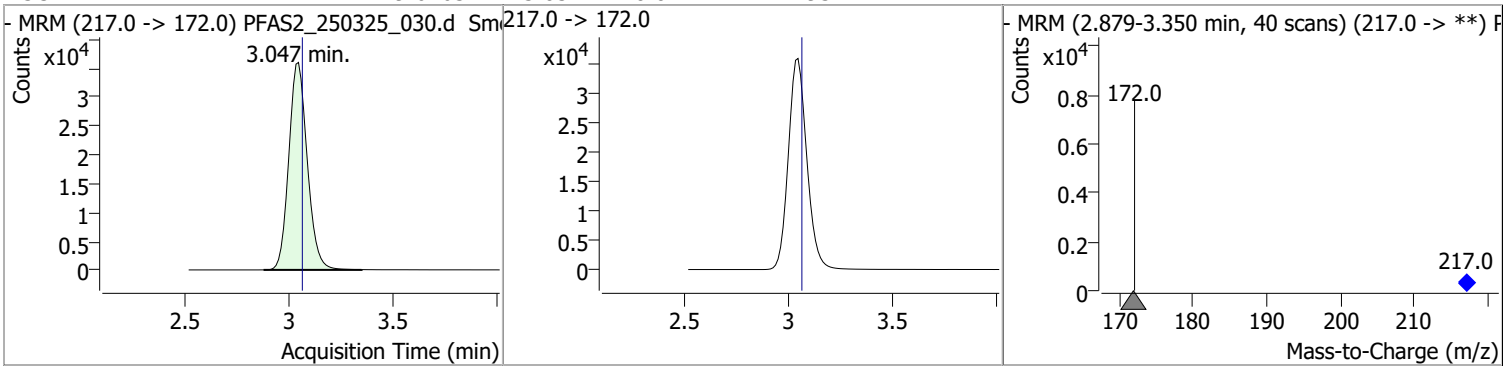
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	101161	5.0000	µg/L		-26.075
13C2-PFHxA	4.890	315.0 -> 270.0	110626	2.5000	µg/L		-27.896
18O2-PFHxS	5.943	403.0 -> 84.0	28779	2.5000	µg/L		-2.872
13C4-PFOA	5.810	417.0 -> 172.0	13682	2.5000	µg/L		-11.429
13C5-PFNA	6.201	468.0 -> 423.0	74251	1.2500	µg/L		4.325
13C2-PFDA	6.592	515.0 -> 470.0	65062	1.2500	µg/L		-2.714
13C4-PFOS	6.748	503.0 -> 80.0	15595	2.5000	µg/L		-37.391
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	221293	10.0000	µg/L		-28.806
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	123817	5.0000	µg/L		-40.162
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.99%			
13C5-PFPeA	4.222	268.0 -> 223.0	123817	5.0000	µg/L		-40.162
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.99%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	20566	5.0000	µg/L	#	-18.599
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 84.15%			
13C5-PFHxA	4.889	318.0 -> 273.0	109460	2.5000	µg/L		-35.171
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	109460	2.5000	µg/L		-35.171
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.89%			
13C3-PFBS	4.917	302.0 -> 80.0	41001	2.5000	µg/L		-32.479
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 69.59%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	120510	10.0000	µg/L	#	-31.047
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.63%			
13C4-PFHpA	5.385	367.0 -> 322.0	136489	2.5000	µg/L		-27.740
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.25%			
13C3-PFHxS	5.944	402.0 -> 80.0	31252	2.5000	µg/L		-10.576
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.09%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	11207	5.0000	µg/L	#	-24.114
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 78.21%			
13C8-PFOA	5.809	421.0 -> 376.0	150350	2.5000	µg/L		-12.962
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.29%			
13C3-PFHxS	5.944	402.0 -> 80.0	31252	2.5000	µg/L		-10.576
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.09%			
13C9-PFNA	6.201	472.0 -> 427.0	70791	1.2500	µg/L		0.464
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.26%			
13C8-PFOS	6.747	507.0 -> 80.0	14267	2.5000	µg/L		-43.573
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.16%			
13C2-8-2 FTSA	6.400	529.0 -> 81.0	9267	5.0000	µg/L	#	-21.770
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 80.44%			
13C6-PFDA	6.591	519.0 -> 474.0	66637	1.2500	µg/L		-1.947
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.69%			
2H3-N-MeFOSAA	6.718	573.0 -> 419.0	36088	5.0000	µg/L		-35.347
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.747	507.0 -> 80.0	14267	2.5000	µg/L		-43.573

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.16%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	25315	5.0000	µg/L		-39.968
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.84%			
13C7-PFUnDA	6.966	570.0 -> 525.0	36543	1.2500	µg/L		-31.827
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.694	615.0 -> 570.0	28042	1.2500	µg/L		-36.434
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 65.23%			
13C2-PFDoDA	7.332	615.0 -> 570.0	24683	1.2500	µg/L		-38.208
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 63.52%			
13C2-PFTDA	8.056	715.0 -> 670.0	31402	1.2500	µg/L		-34.965
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.64%			
13C8-PFOSA	8.792	506.0 -> 78.0	25034	2.5000	µg/L		-32.270
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.96%			
13C8-PFOSA	8.792	506.0 -> 78.0	25034	2.5000	µg/L		-32.270
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	75700	25.0000	µg/L		-39.751
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 96.31%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	5778	2.5000	µg/L		-44.282
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.78%			
2H9-EtFOSE	10.185	639.1 -> 59.0	44581	25.0000	µg/L		-29.803
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 112.08%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	5881	2.5000	µg/L		-47.681
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.57%			
Target Compounds							QValue
PFBA	3.031	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.602	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.706	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.223	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.453	279.0 -> 85.0	62	0.0372	µg/L		100
4-2 FTSA	4.686	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	4.823	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	4.892	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	4.918	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.087	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.201	314.9 -> 135.0	0	0.0000	µg/L	md	
PFHpA	5.398	363.0 -> 319.0	0	0.0000	µg/L	md	
5-3 FTCA	5.458	341.0 -> 237.0	0	0.0000	µg/L	md	
PFPeS	5.482	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	5.539	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	5.631	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	5.810	413.0 -> 369.0	480	0.0444	µg/L	#	79
PFHxS	5.945	398.9 -> 80.0	209	0.0172	µg/L		81
PFNA	0.000		0	N.D.			
PFHpS	6.370	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	6.424	527.0 -> 507.0	0	0.0000	µg/L	md	
PFDA	6.508	513.0 -> 469.0	0	0.0000	µg/L	md	
7-3 FTCA	6.609	441.0 -> 317.0	0	0.0000	µg/L	md	
N-MeFOSAA	6.730	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	6.748	498.9 -> 80.0	325	0.0877	µg/L		87
N-EtFOSAA	6.729	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	6.825	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	7.029	530.9 -> 350.9	0	0.0000	µg/L	md	
PFNS	7.362	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	7.272	613.0 -> 569.0	0	0.0000	µg/L	md	

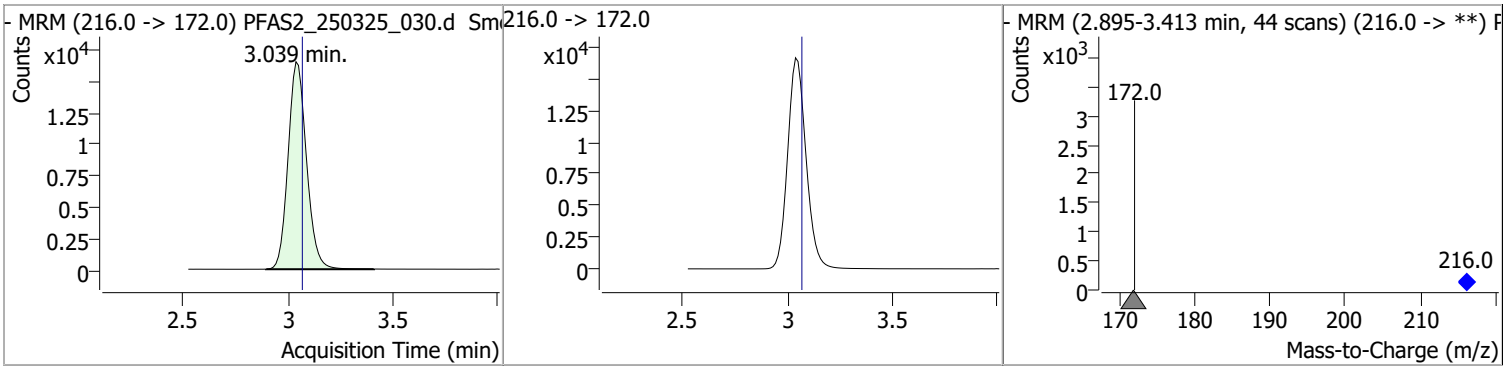
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.513	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	7.676	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	7.775	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	8.045	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	8.060	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	8.783	497.9 -> 78.0	41	0.0047	µg/L		100
MeFOSE	9.878	616.0 -> 59.0	34	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	10.210	630.0 -> 59.0	0	0.0000	µg/L	md	
N-EtFOSA	10.311	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

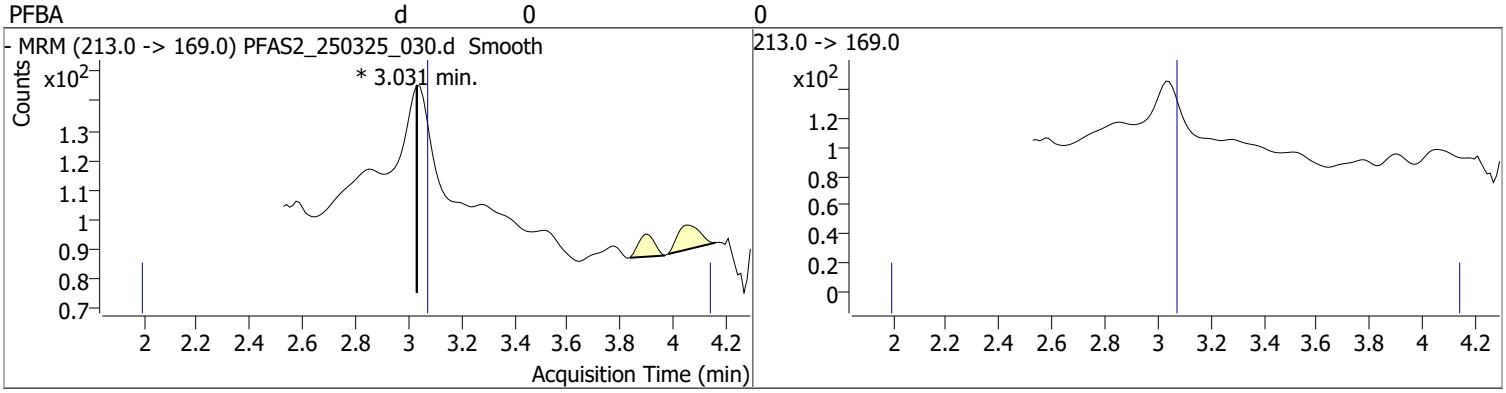
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6263	3.05	-0.01	221293				



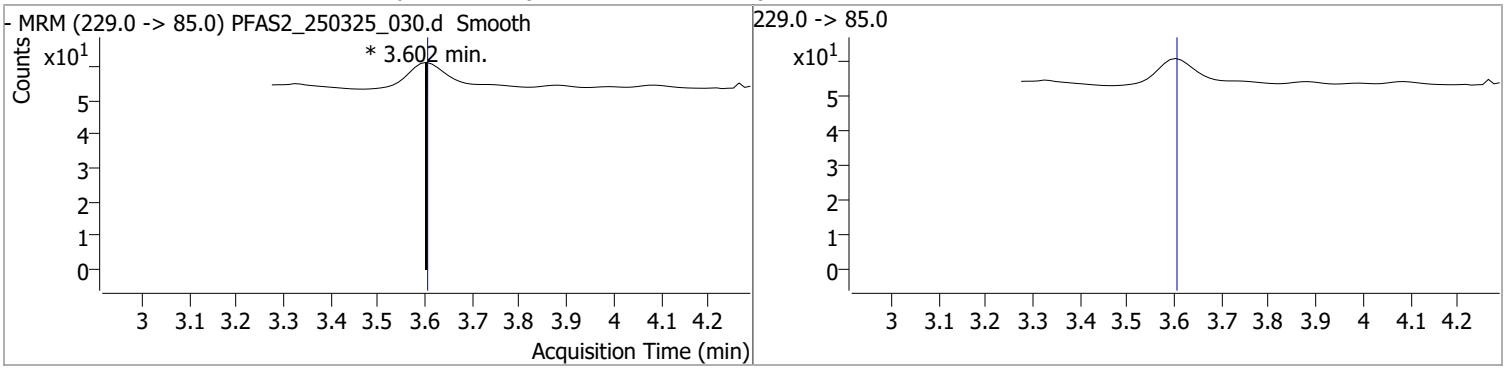
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.04	-0.02	101161				



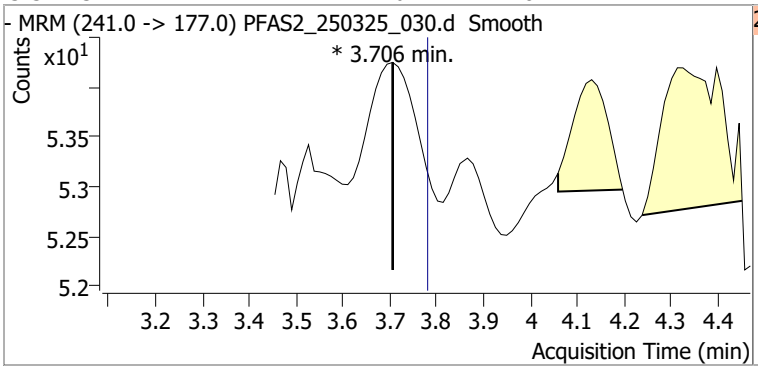
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

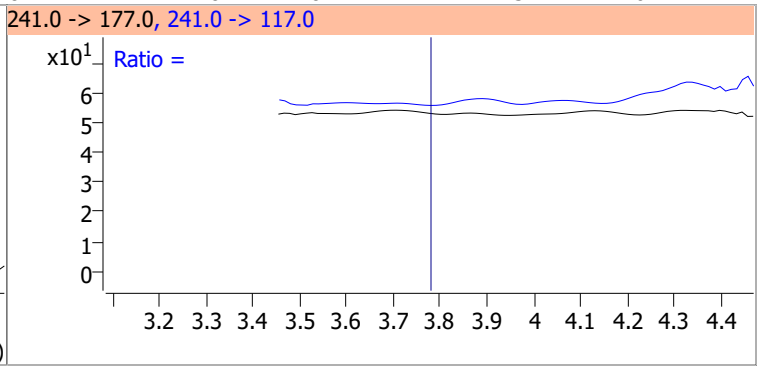


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

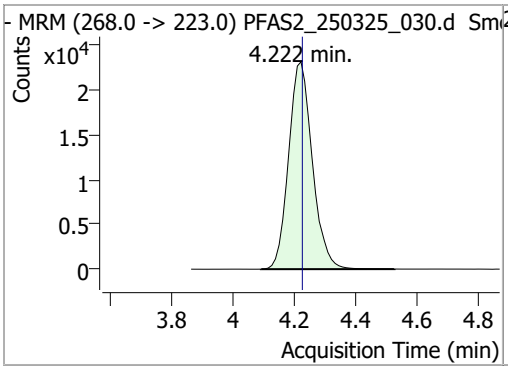


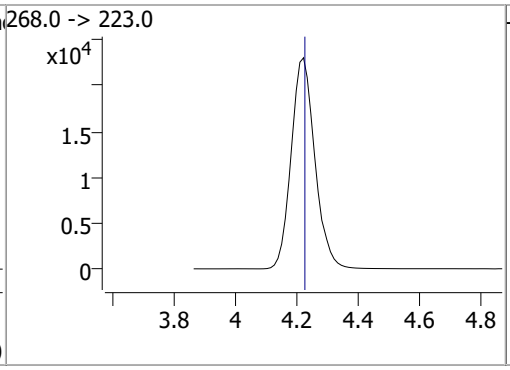
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

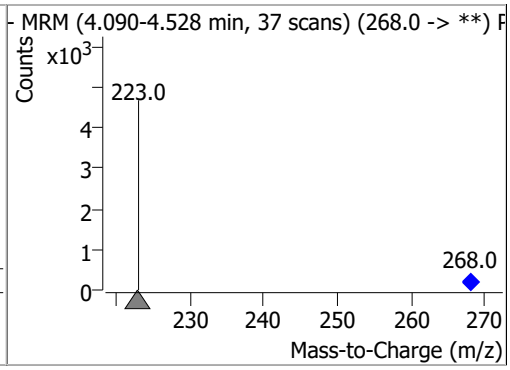




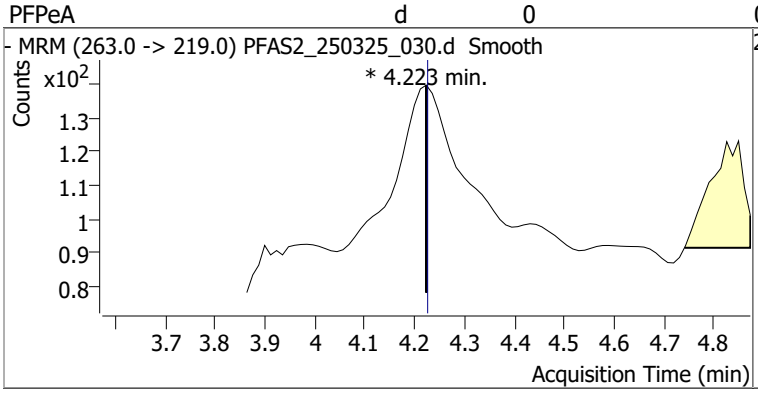
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.1497	4.22	0.00	123817				

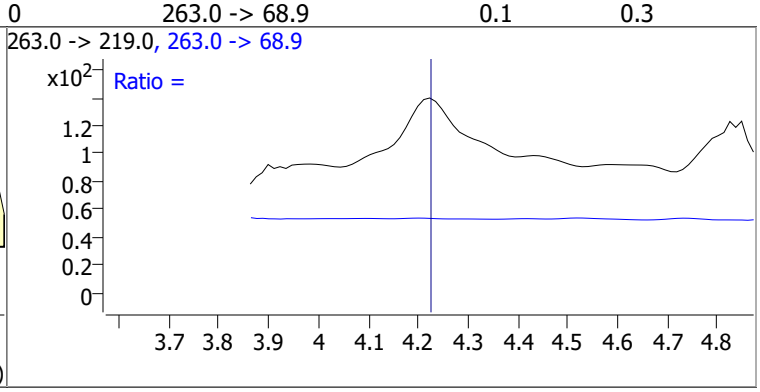




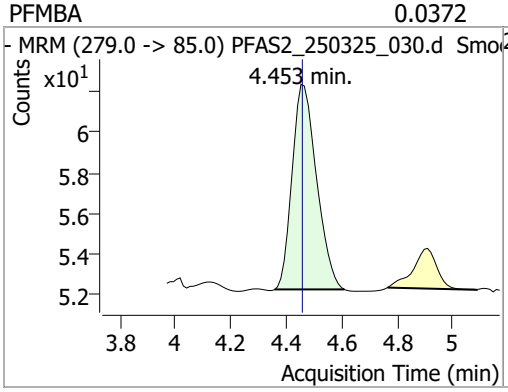


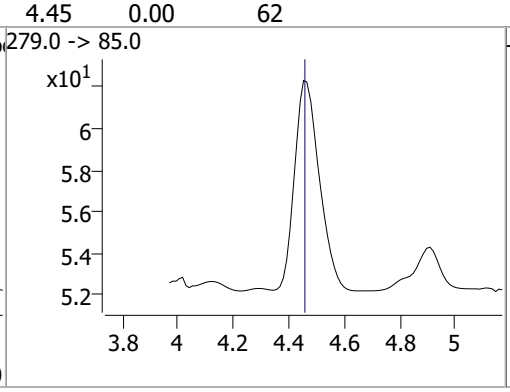
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3

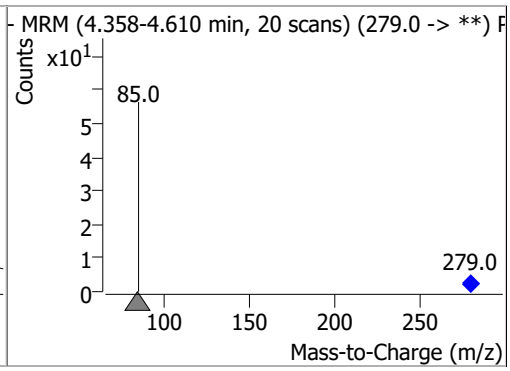




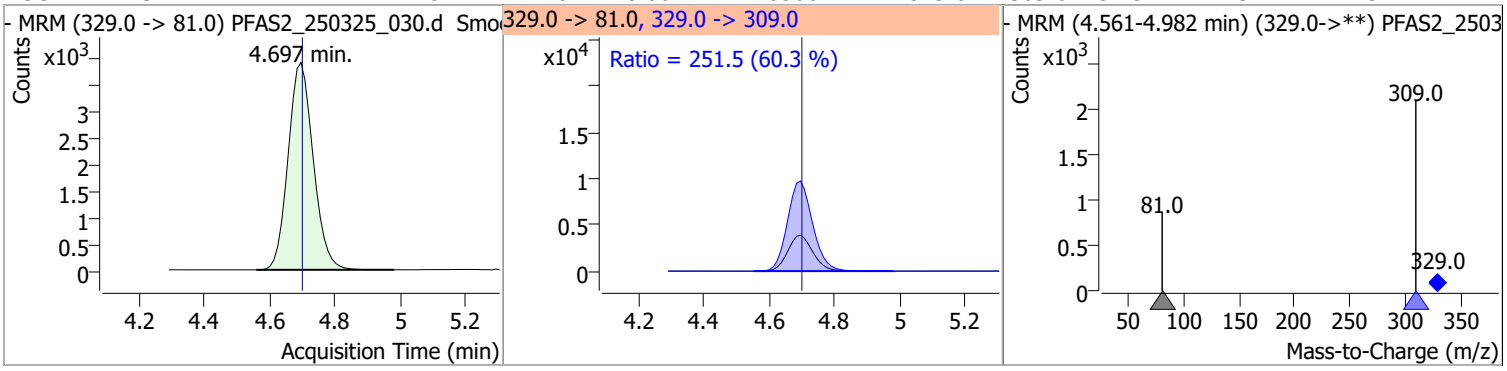
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0372	4.45	0.00	62				



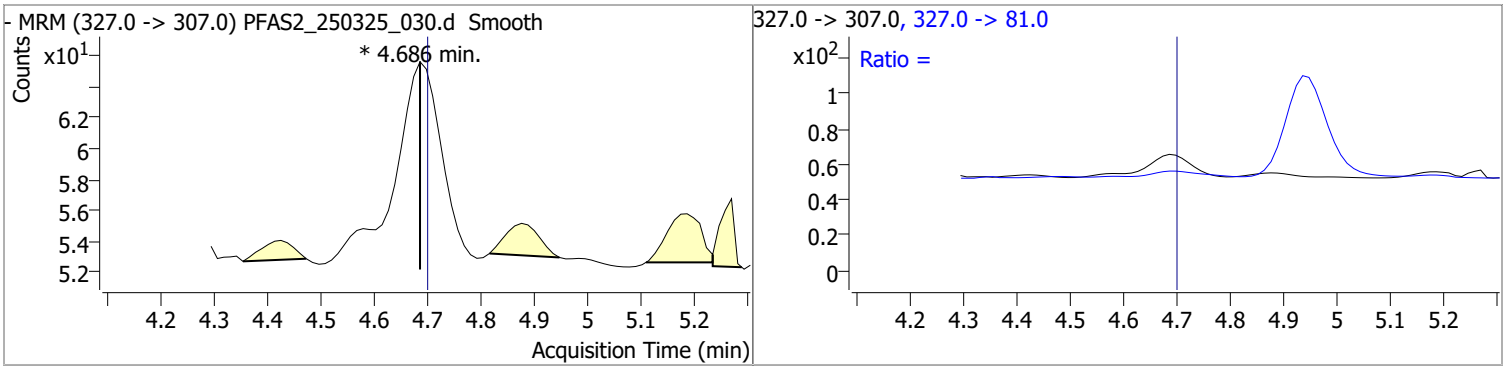




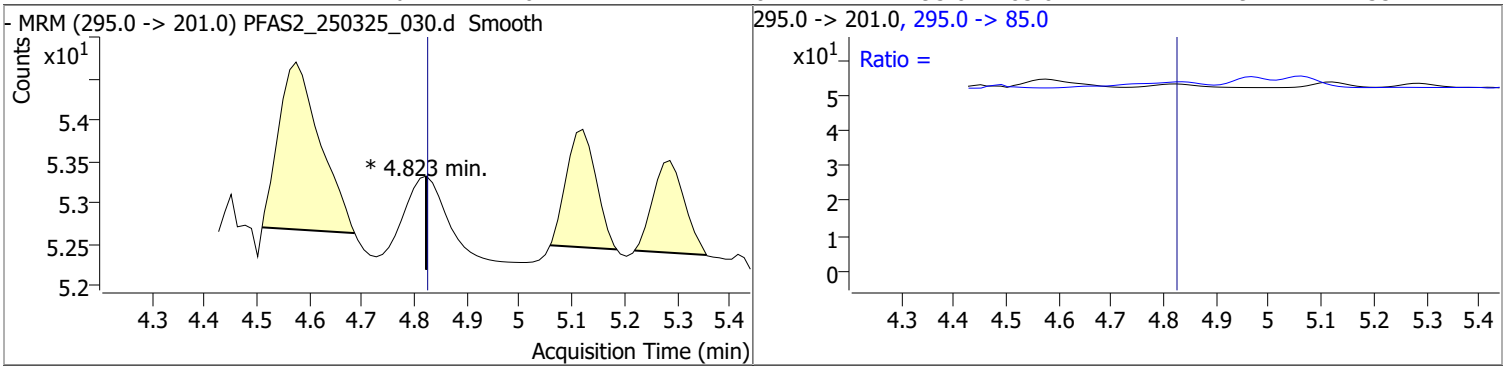
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.2074	4.70	0.00	20566	329.0 -> 309.0	251.5	292.1	542.4



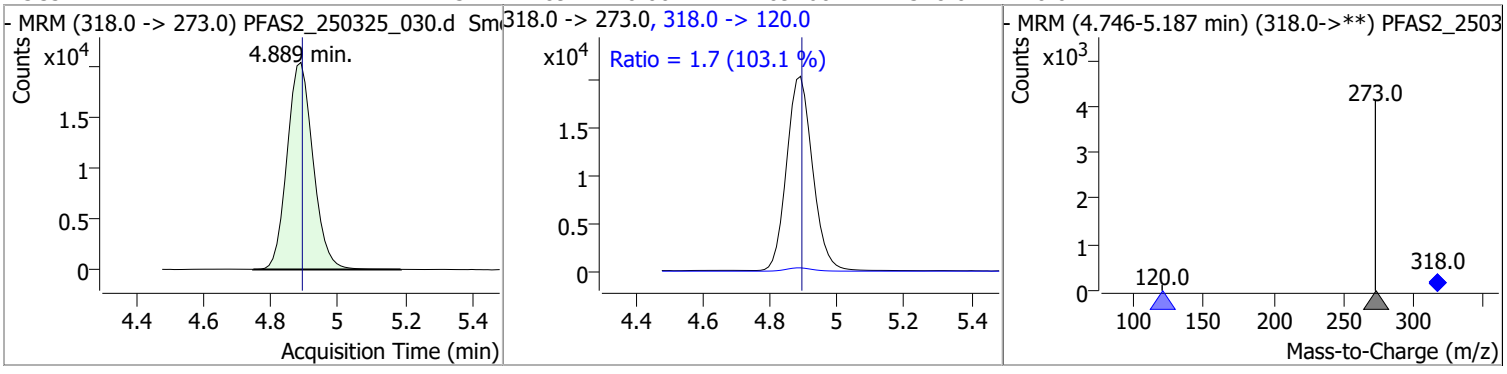
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



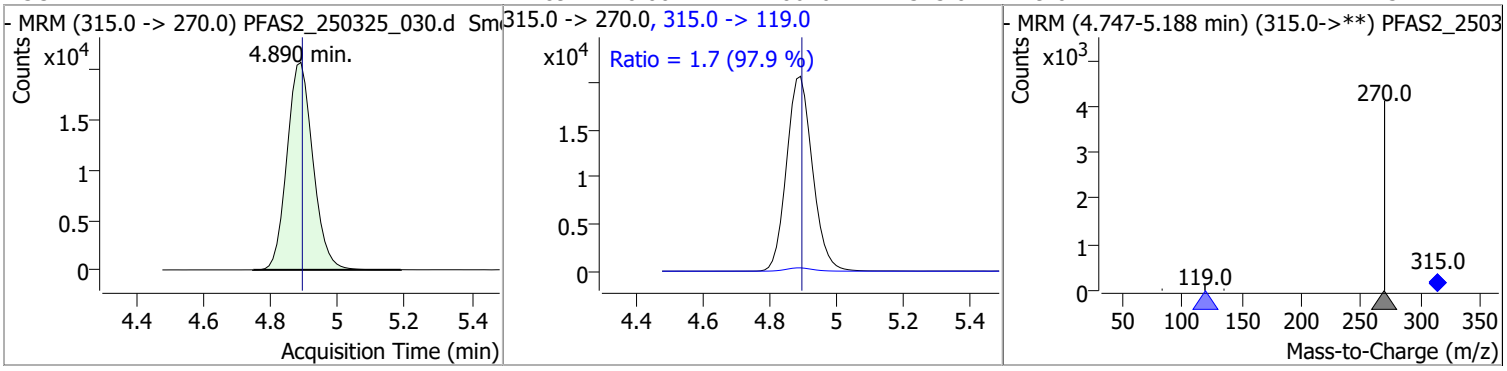
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



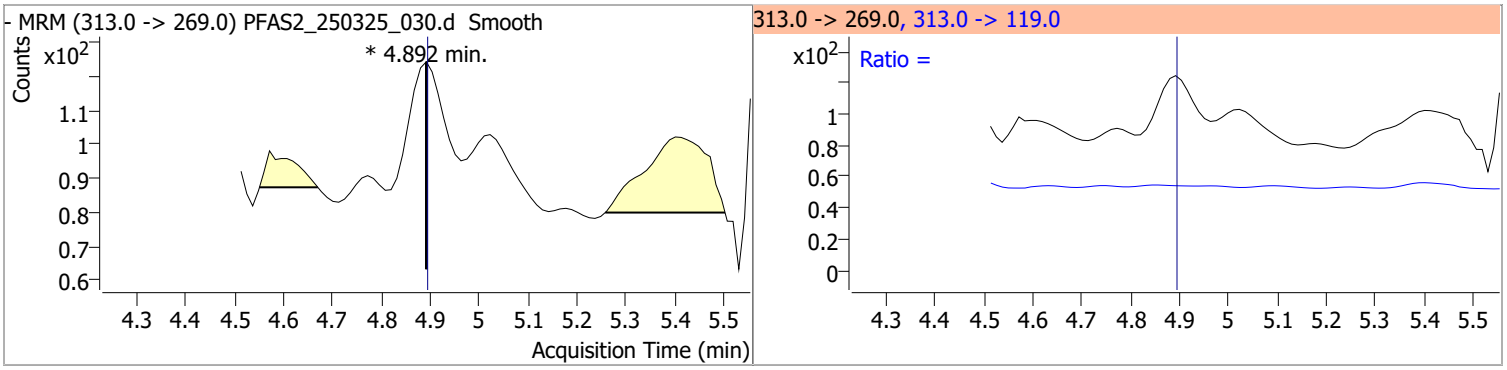
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2473	4.89	0.00	109460	318.0 -> 120.0	1.7	1.1	2.1



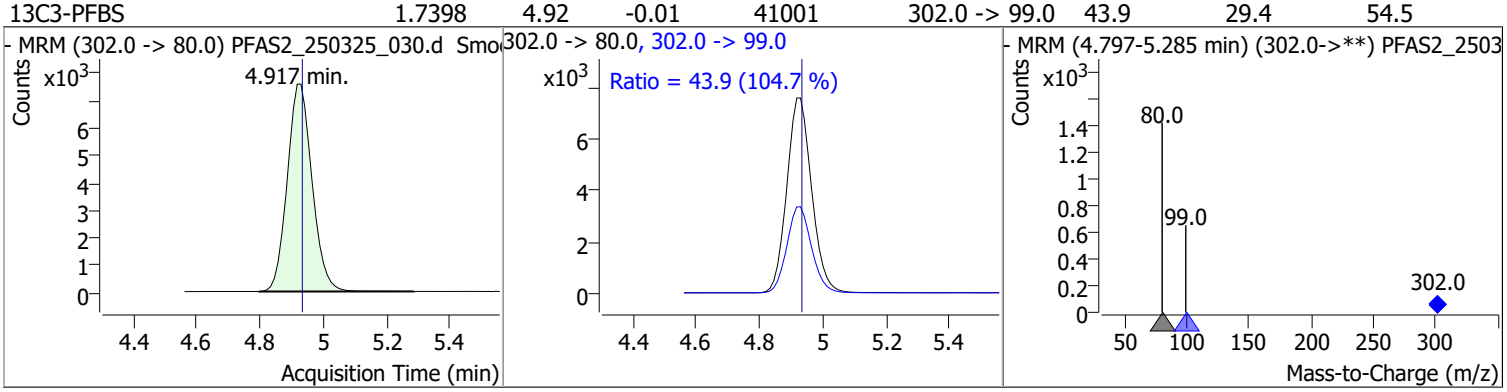
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	110626	315.0 -> 119.0	1.7	1.2	2.3



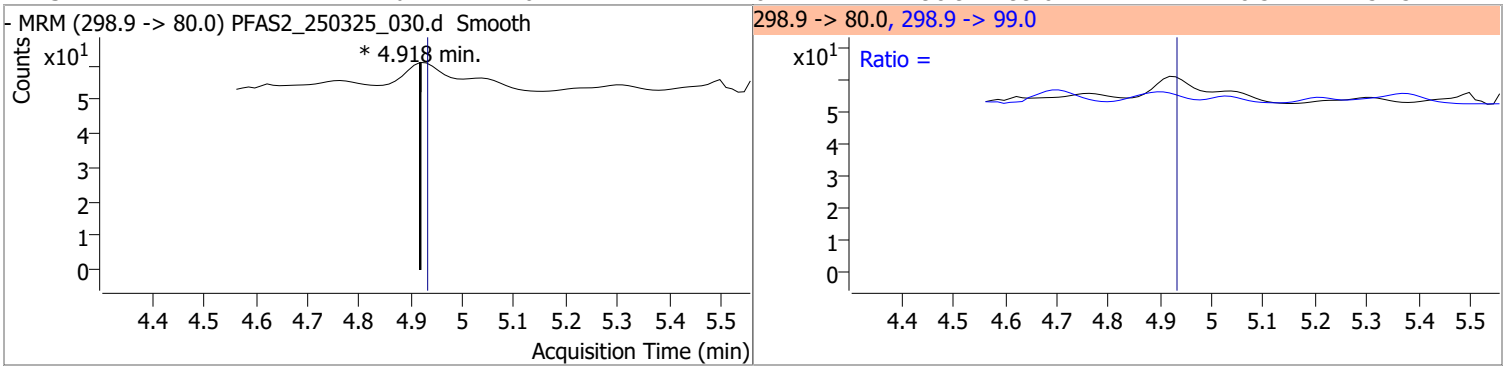
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



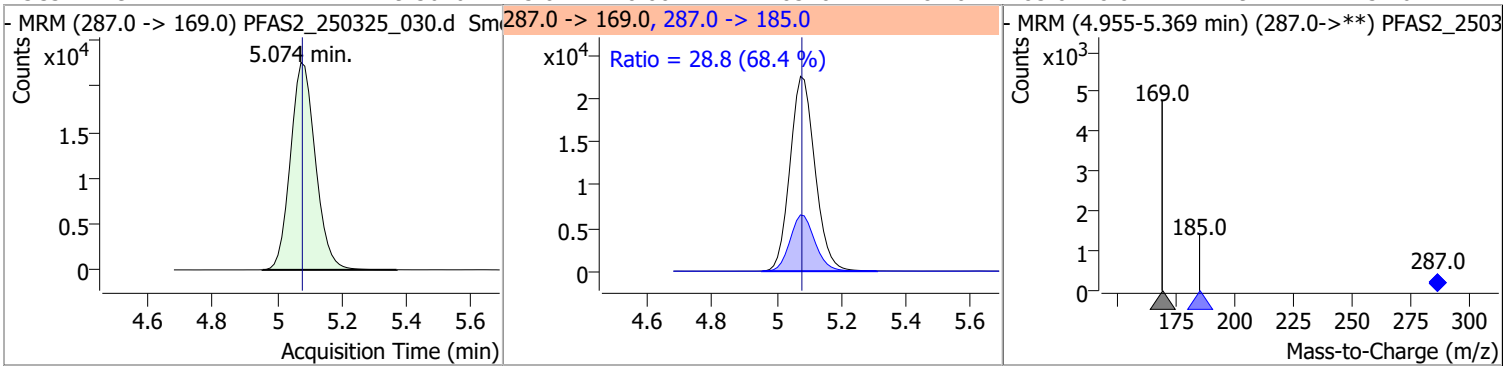
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	1.7398	4.92	-0.01	41001	302.0 -> 99.0	43.9	29.4	54.5



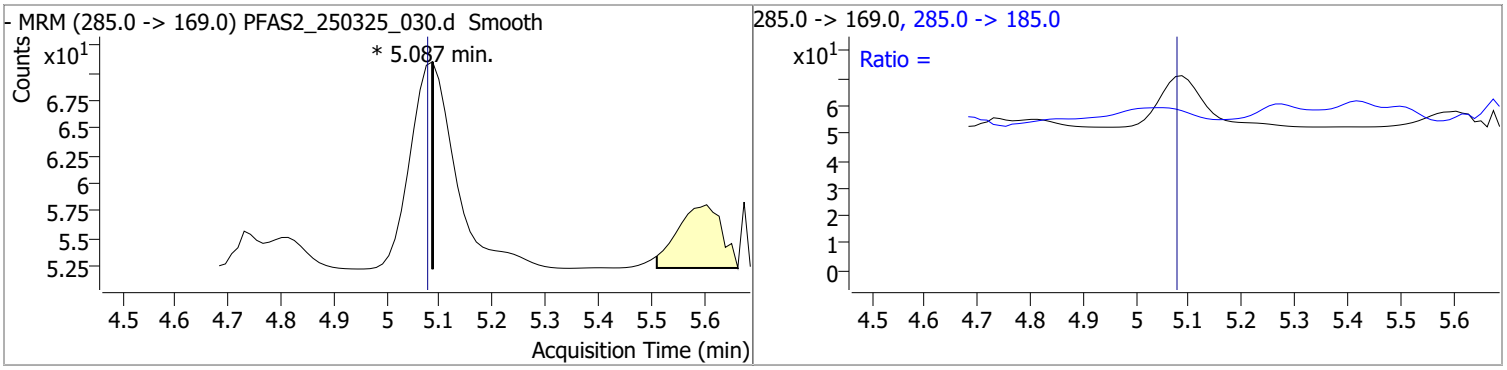
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



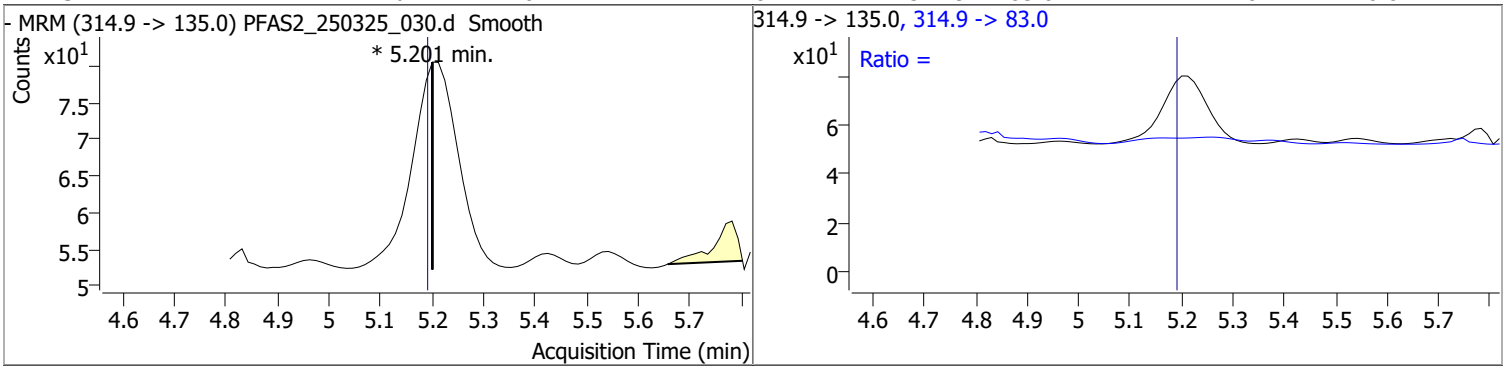
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5626	5.07	0.00	120510	287.0 -> 185.0	28.8	29.4	54.6



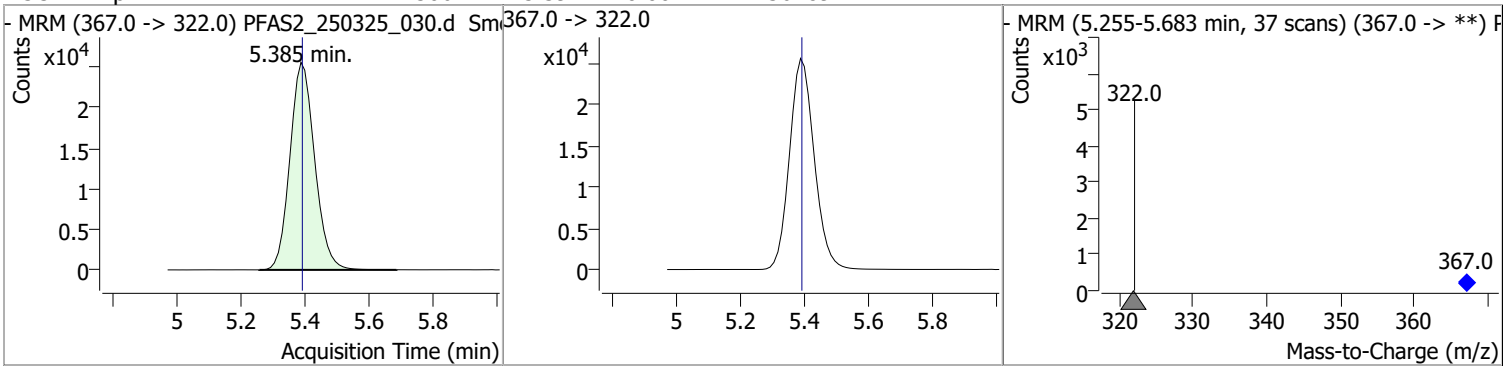
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



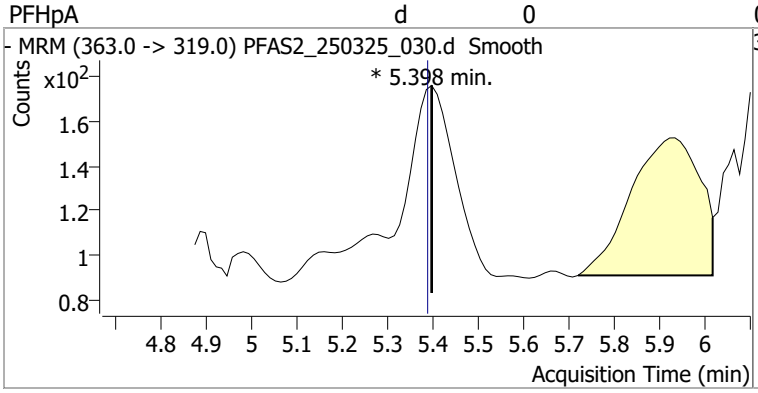
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

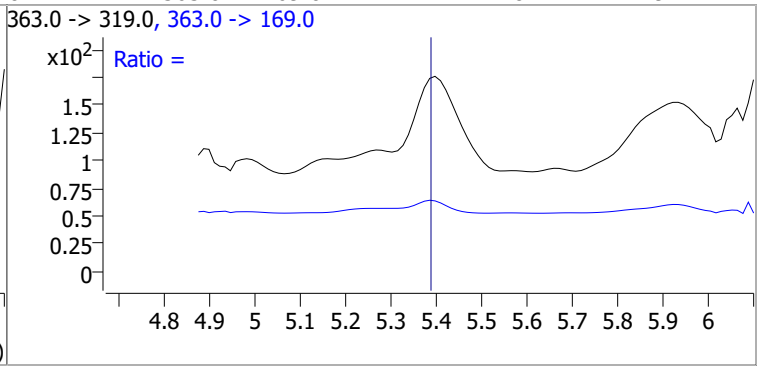


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5062	5.39	0.00	136489				

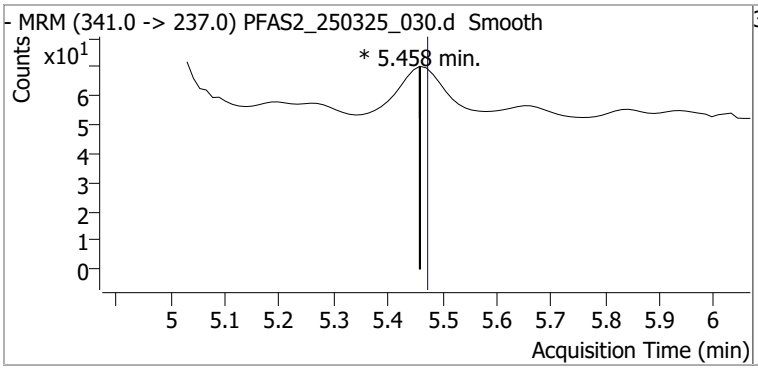


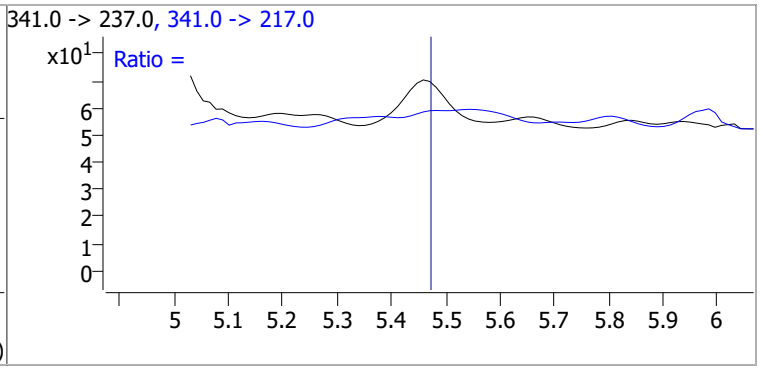
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



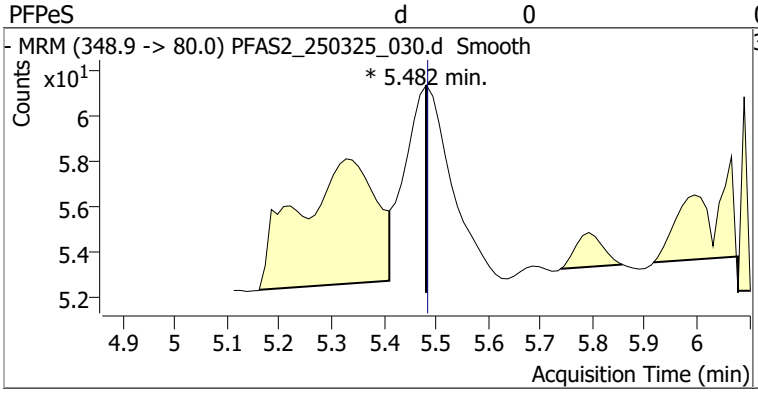


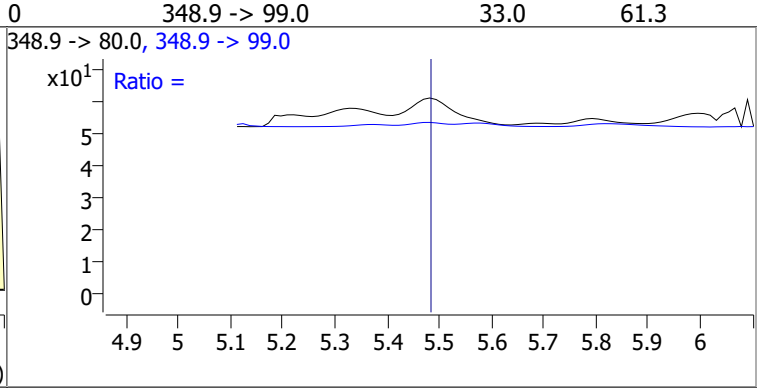
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



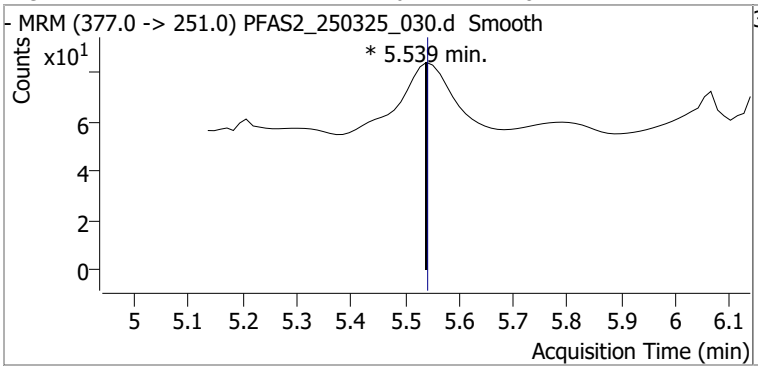


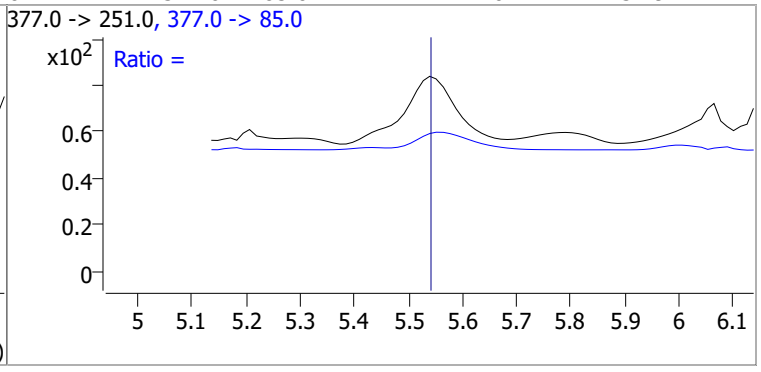
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



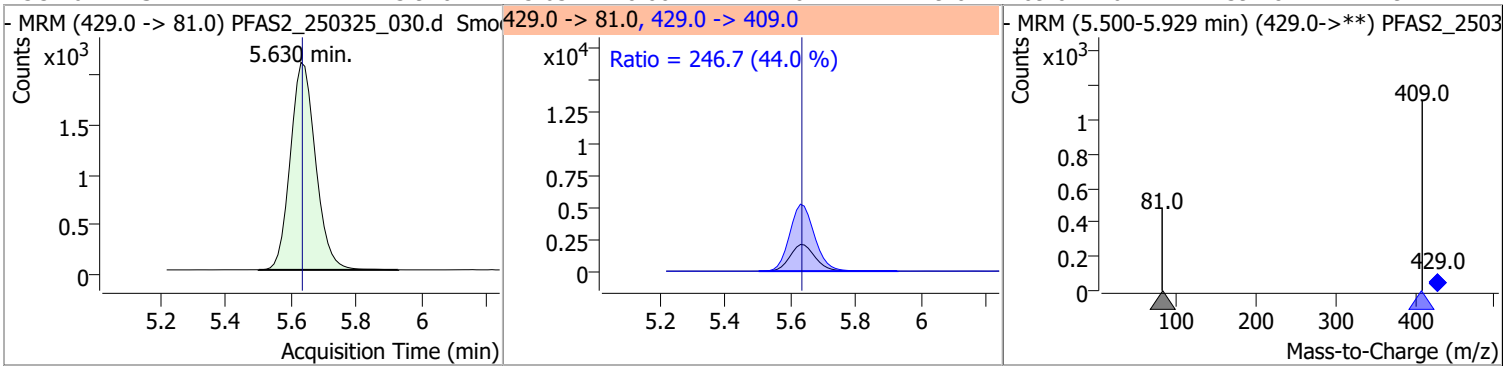


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9

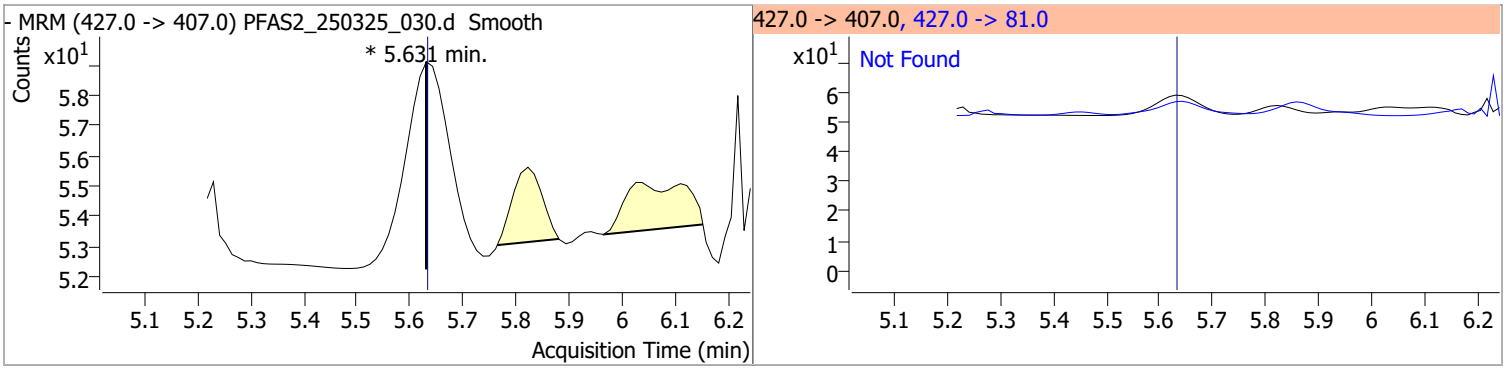




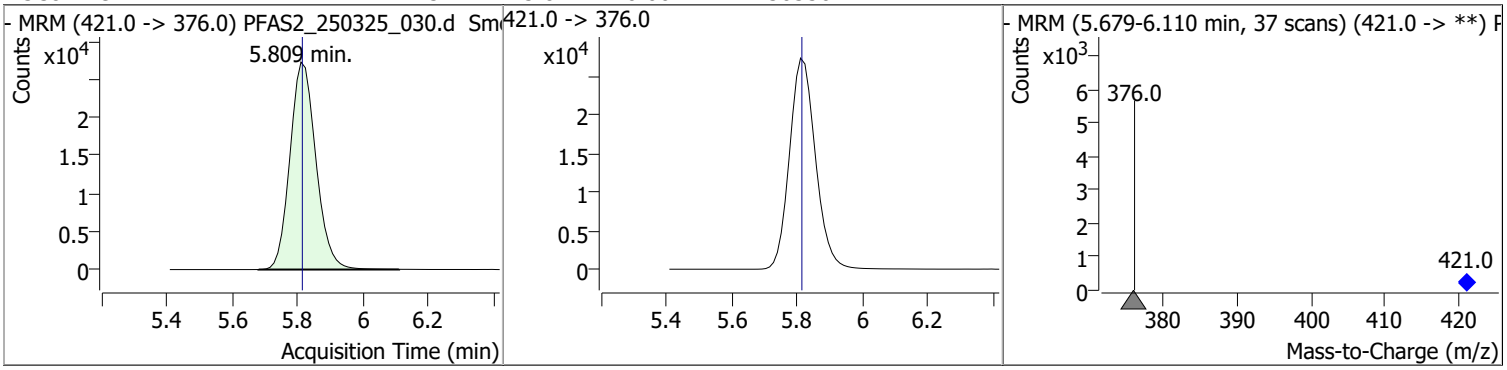
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	3.9107	5.63	0.00	11207	429.0 -> 409.0	246.7	392.8	729.4



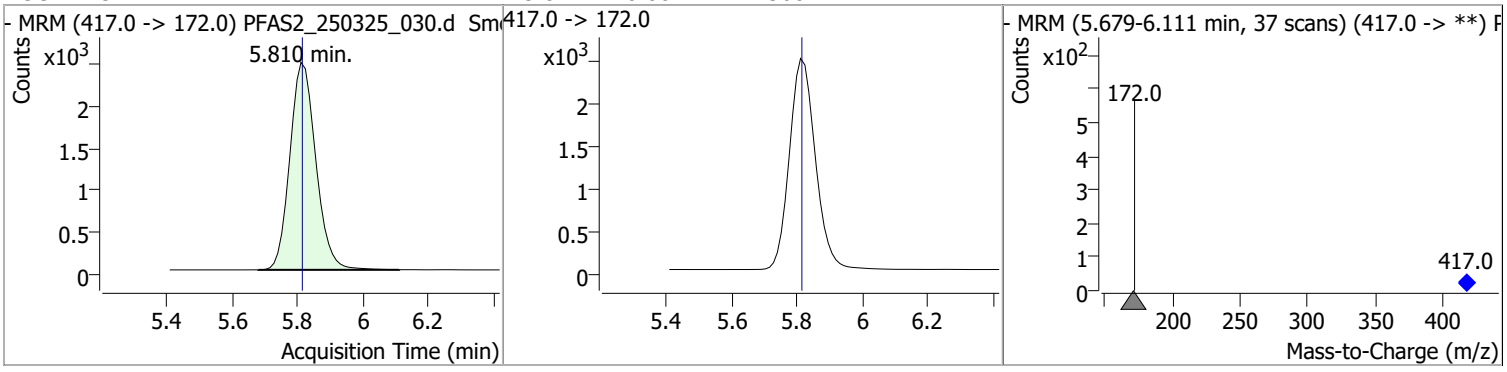
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



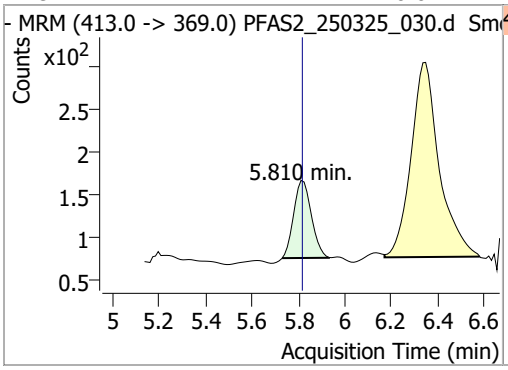
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4572	5.81	0.00	150350				

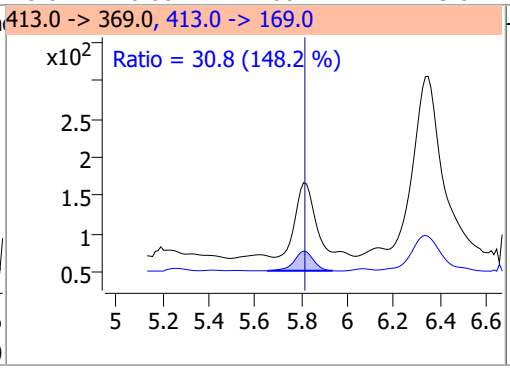


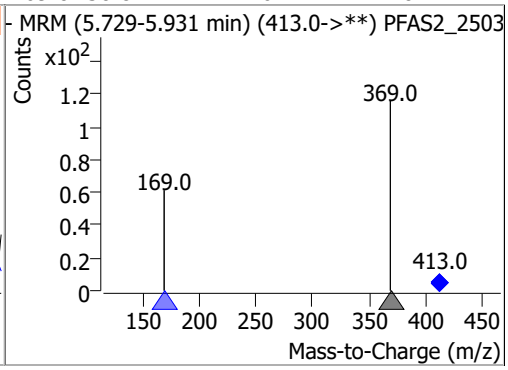
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	13682				



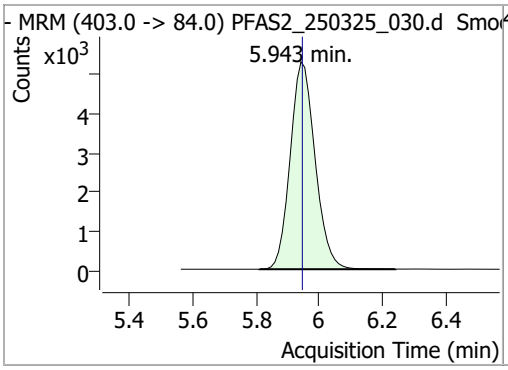
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0444	5.81	0.00	480	413.0 -> 169.0	30.8	14.6	27.0

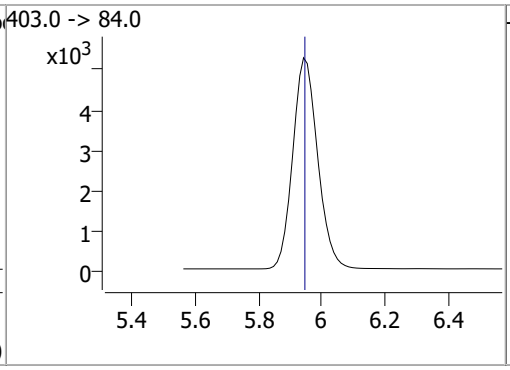


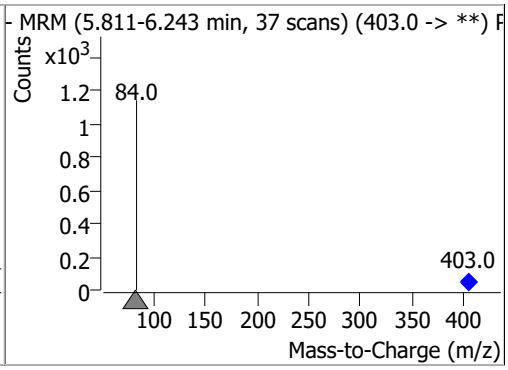




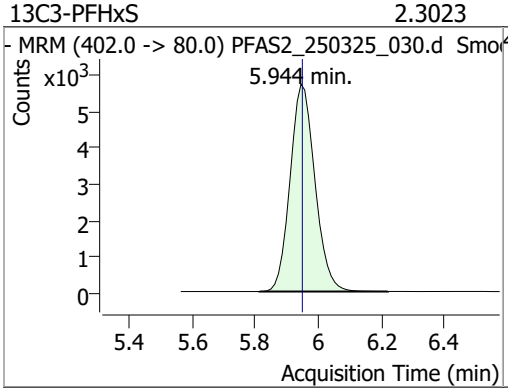
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	28779				

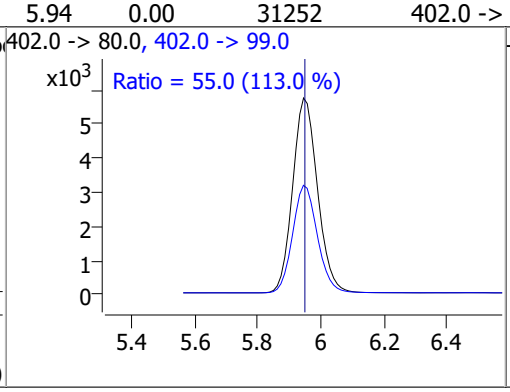


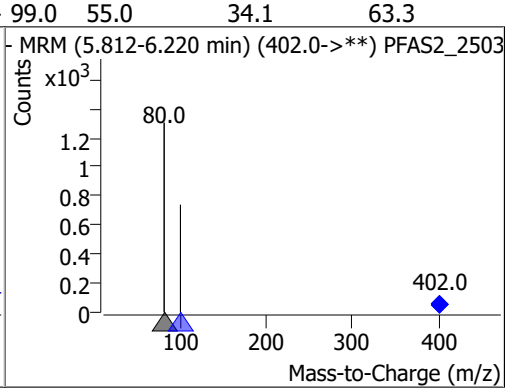




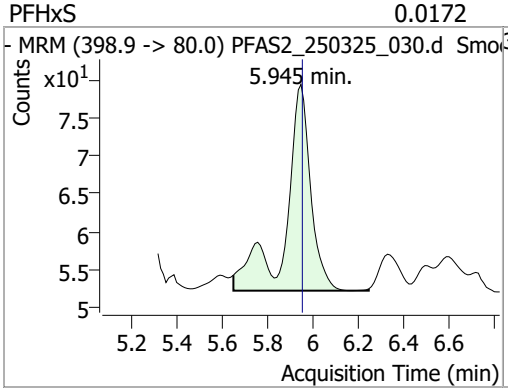
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3023	5.94	0.00	31252	402.0 -> 99.0	55.0	34.1	63.3

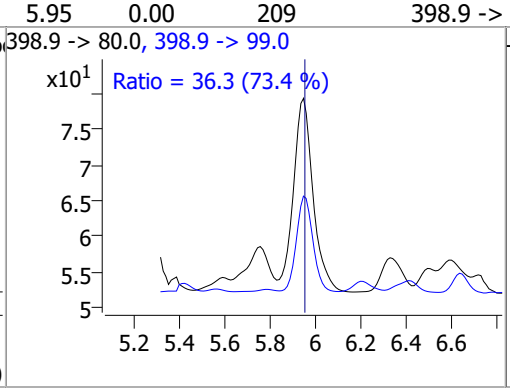


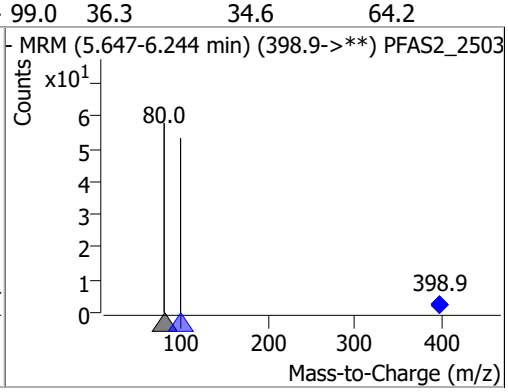




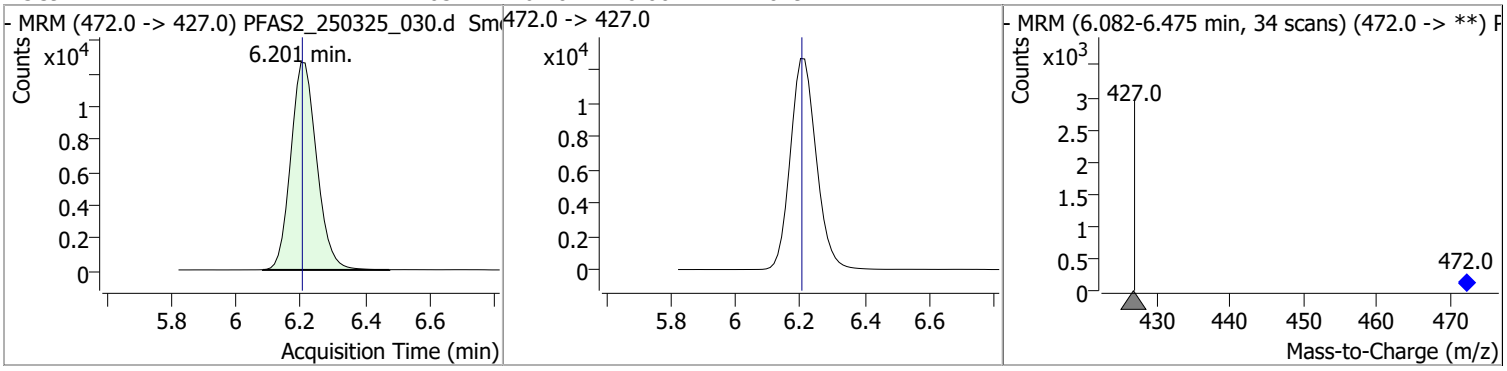
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0172	5.95	0.00	209	398.9 -> 99.0	36.3	34.6	64.2



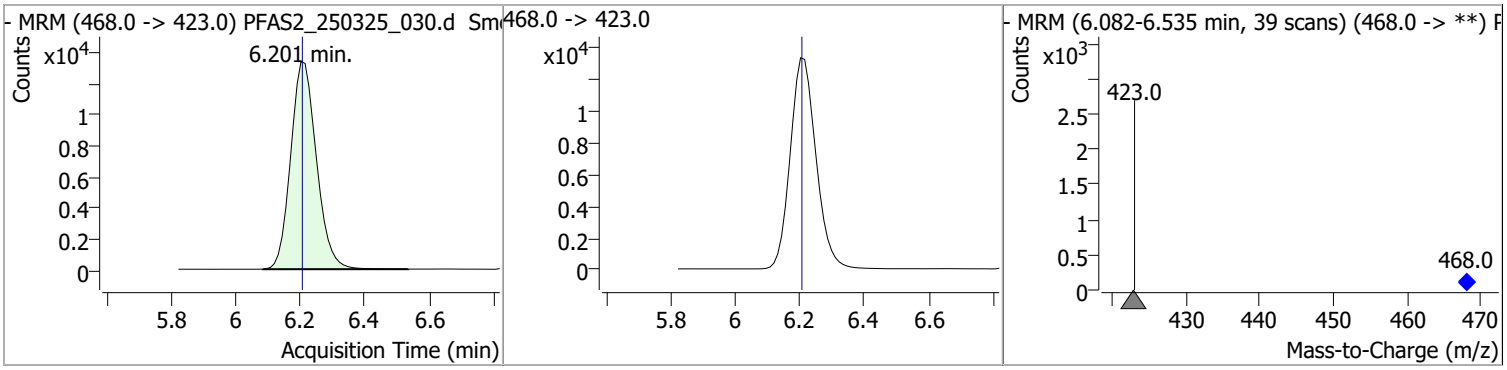




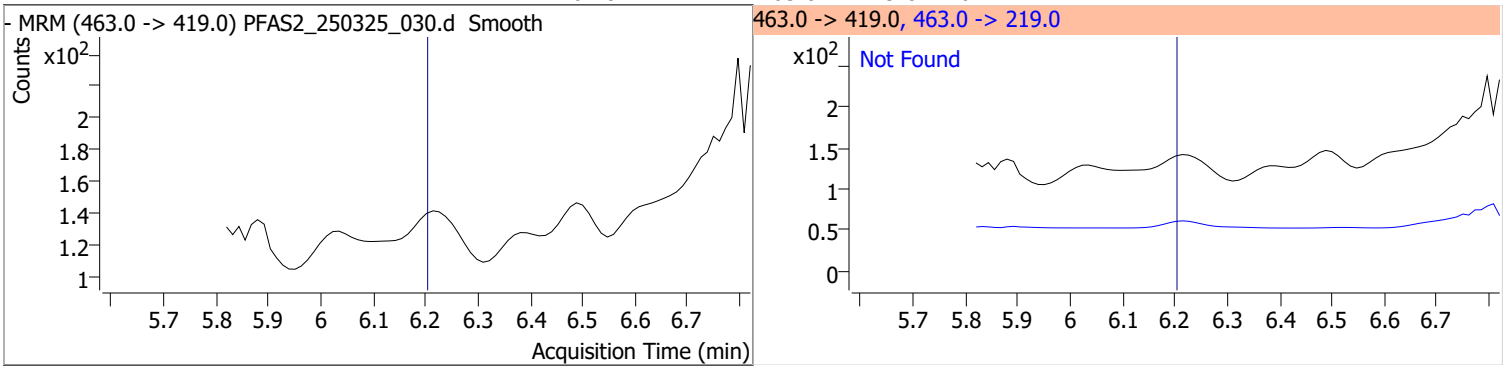
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2032	6.20	0.00	70791				



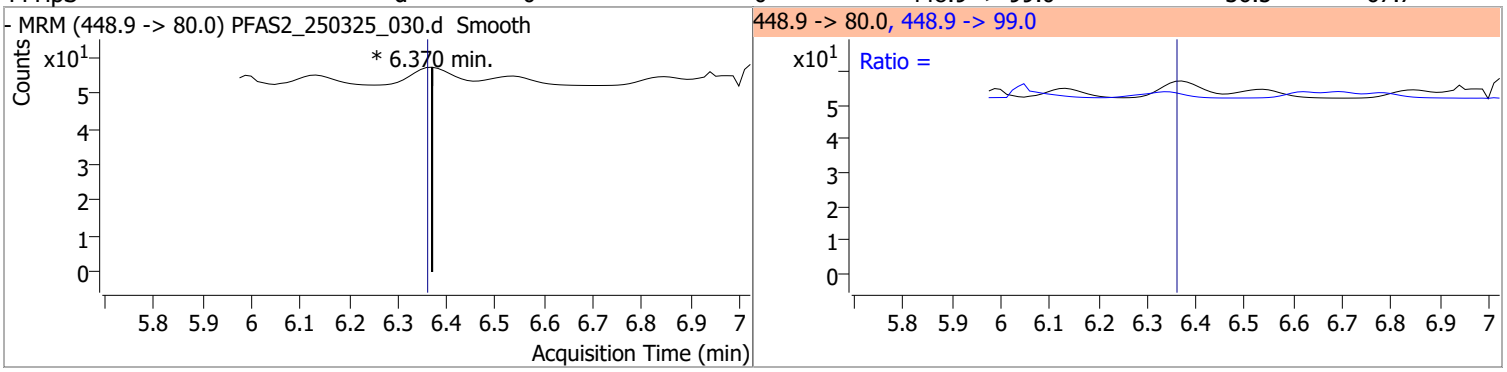
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.20	0.00	74251				



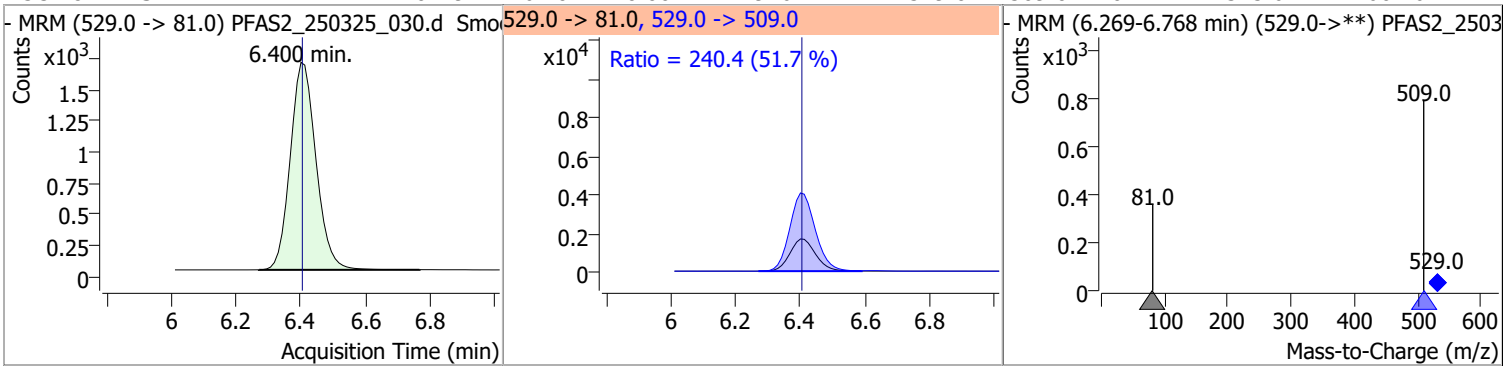
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	6.20	463.0 -> 219.0	16.1



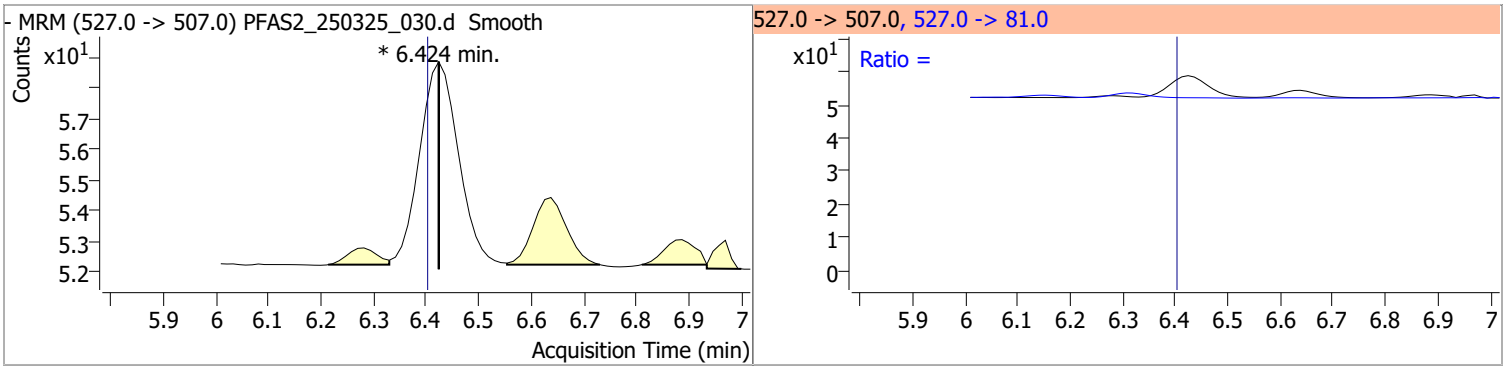
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7



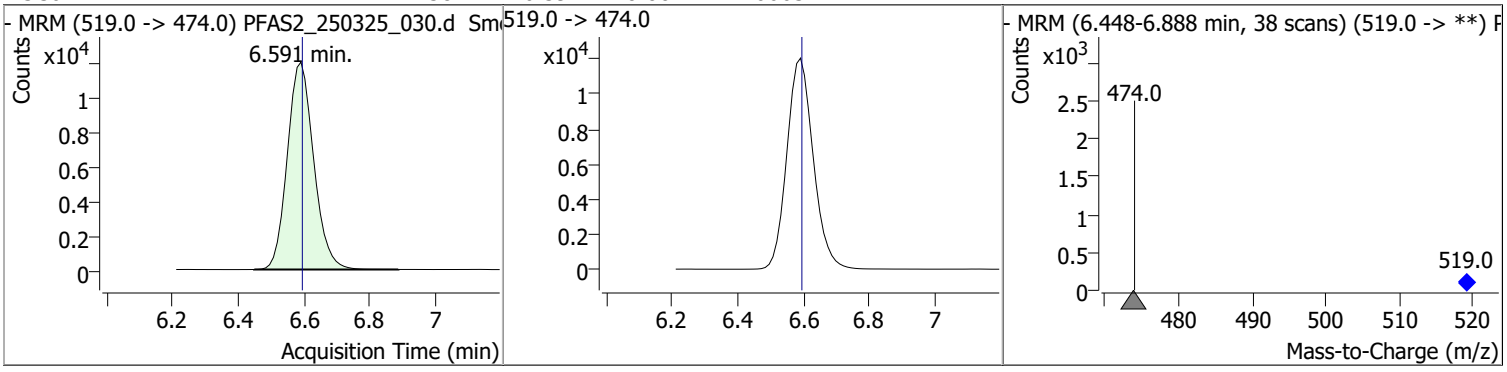
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.0219	6.40	0.00	9267	529.0 -> 509.0	240.4	325.6	604.6



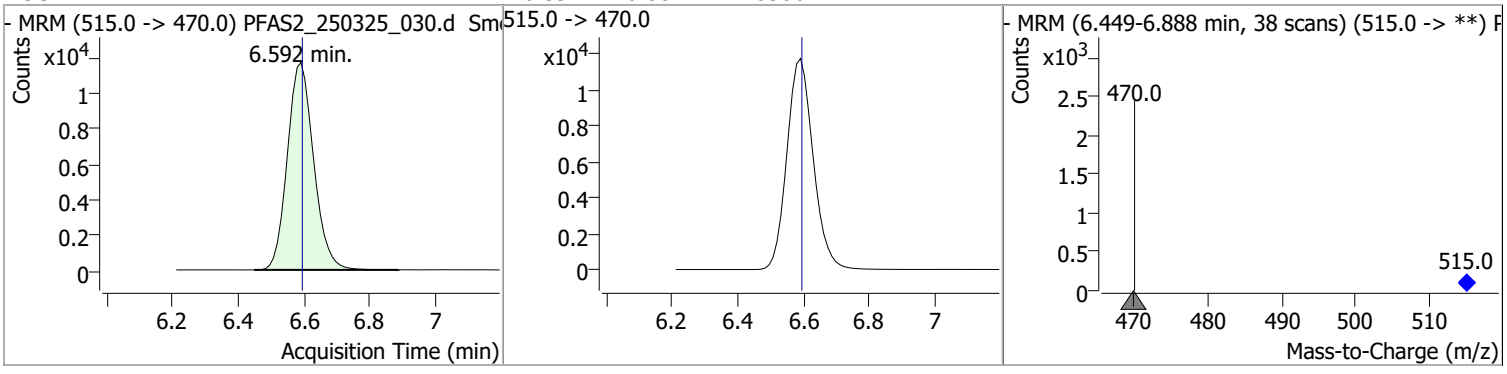
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6



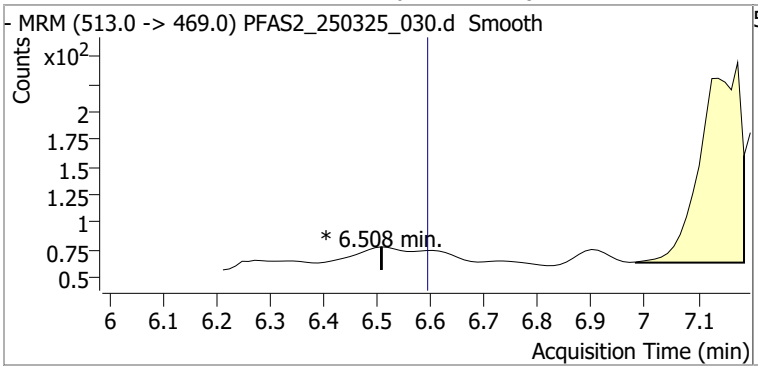
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2587	6.59	0.00	66637				

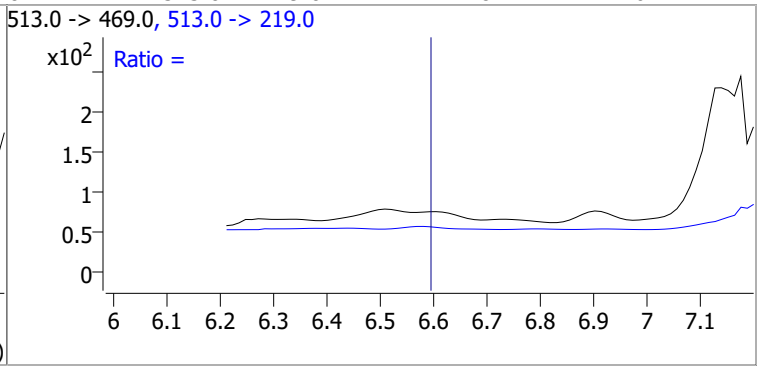


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	65062				

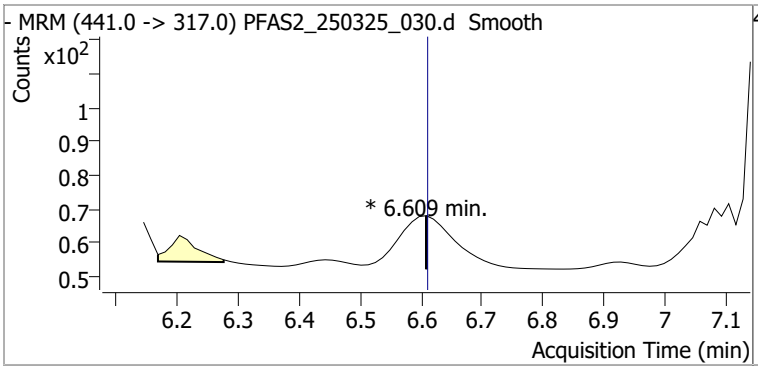


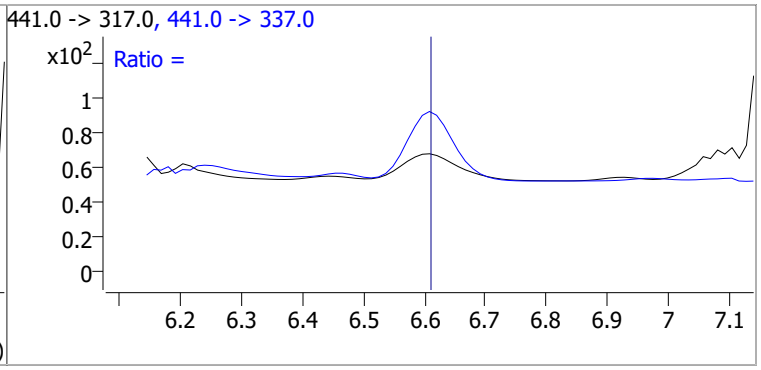
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



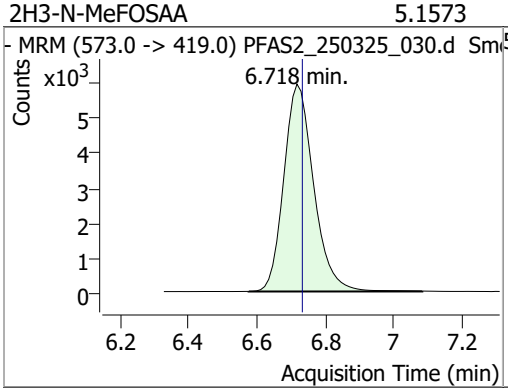


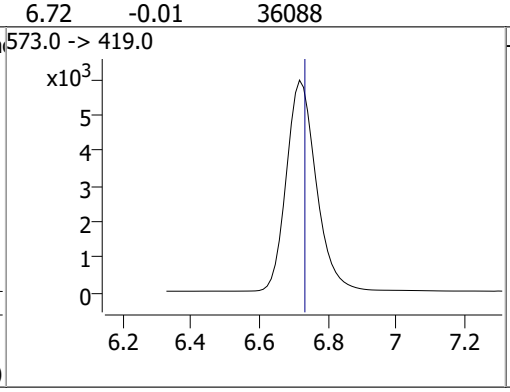
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

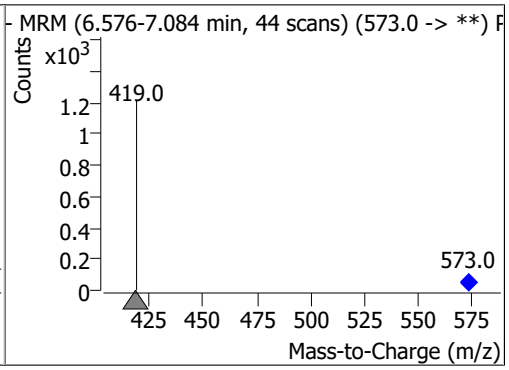




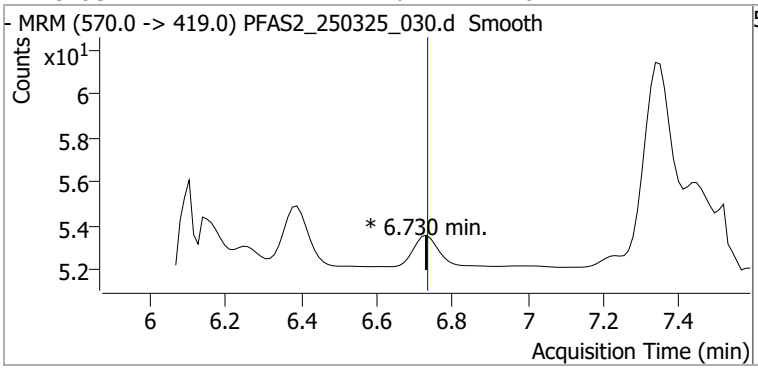
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1573	6.72	-0.01	36088				

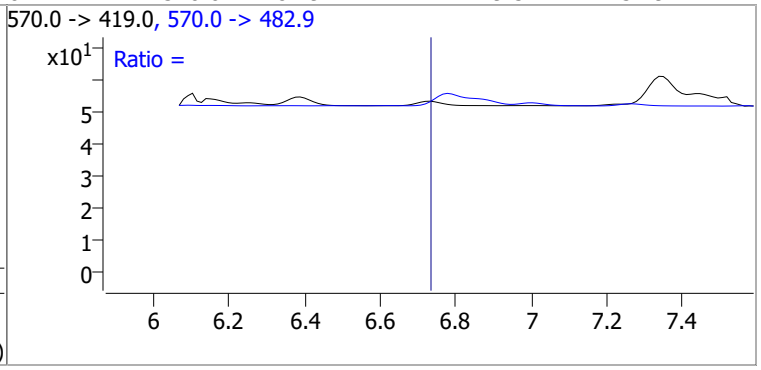




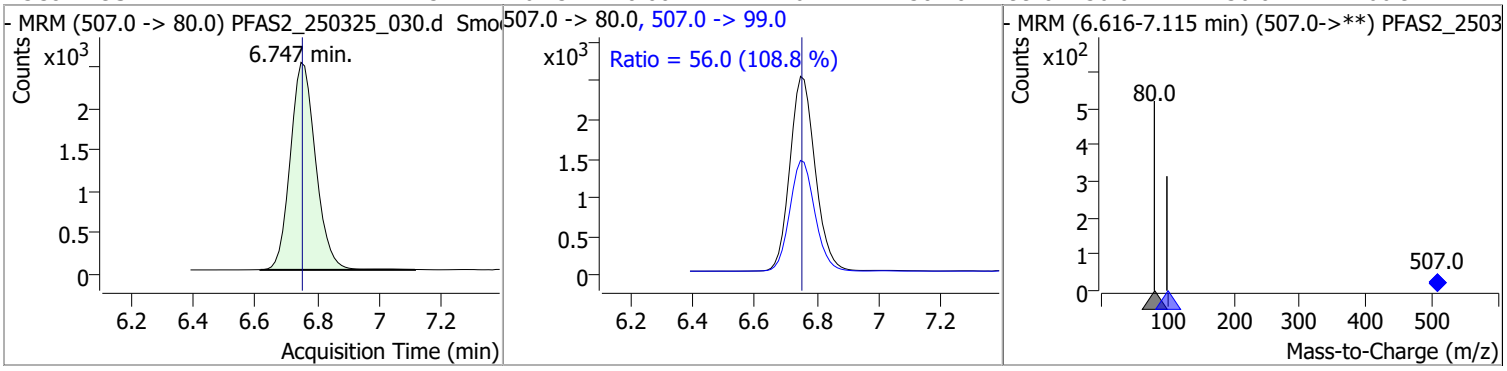


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9

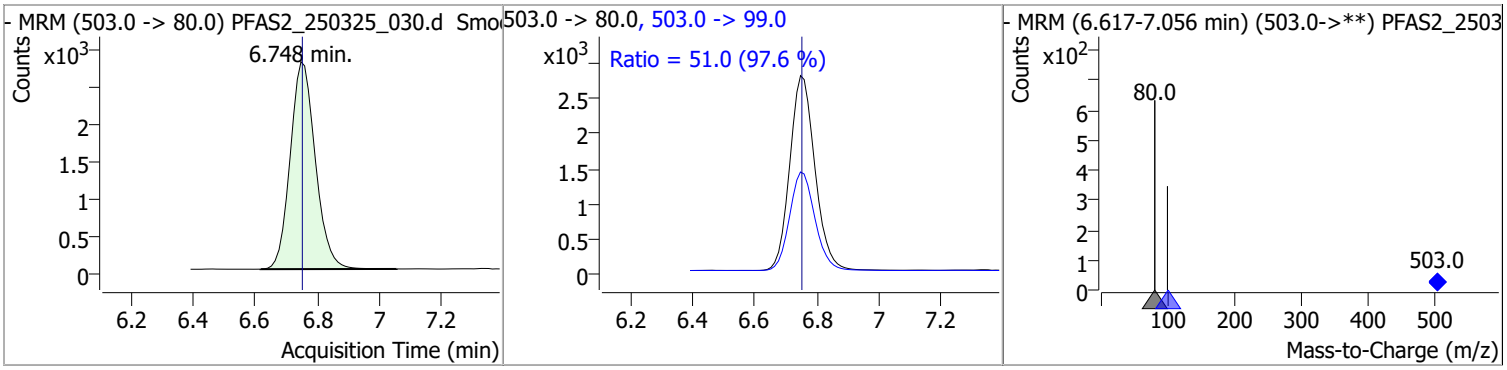




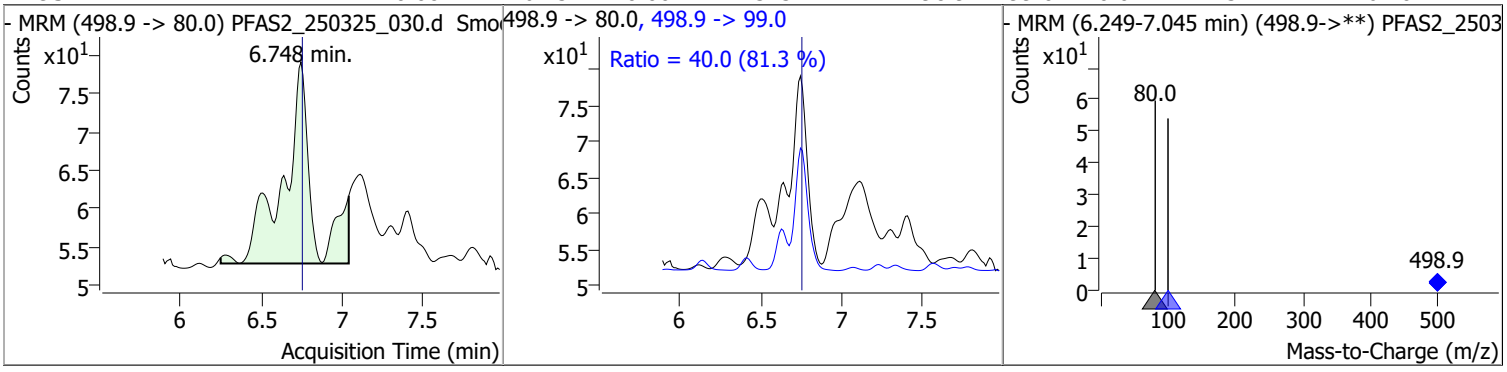
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2541	6.75	0.00	14267	507.0 -> 99.0	56.0	36.0	66.9



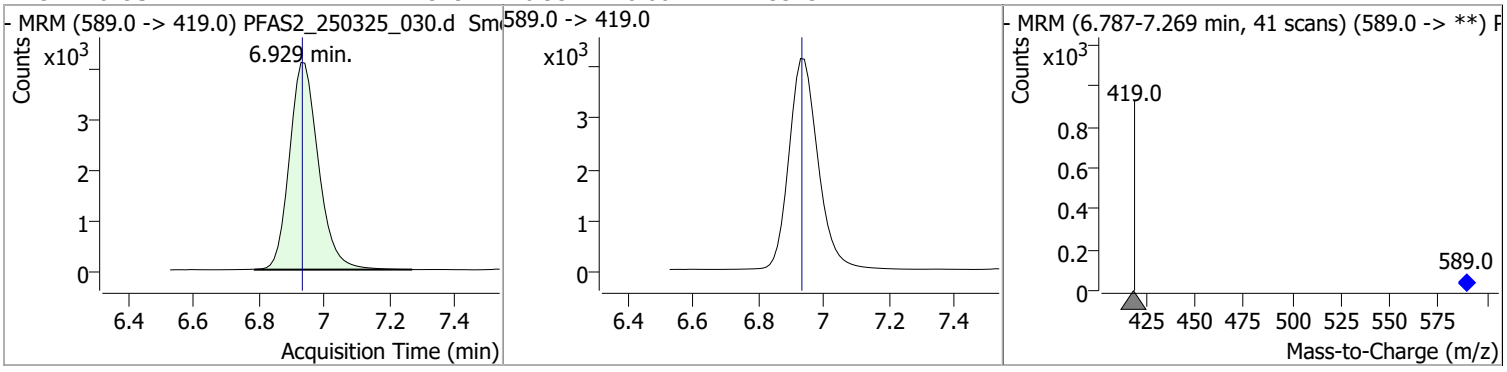
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.75	0.00	15595	503.0 -> 99.0	51.0	36.6	67.9



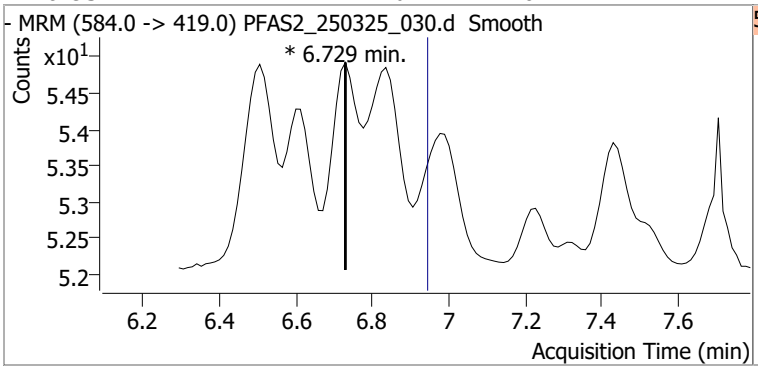
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0877	6.75	0.00	325	498.9 -> 99.0	40.0	34.4	64.0

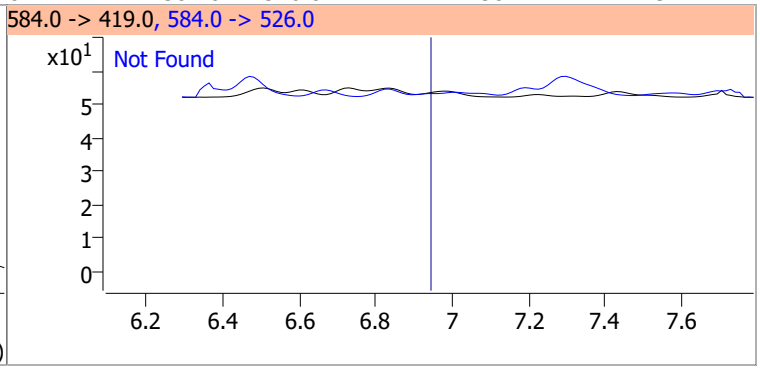


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7919	6.93	0.00	25315				

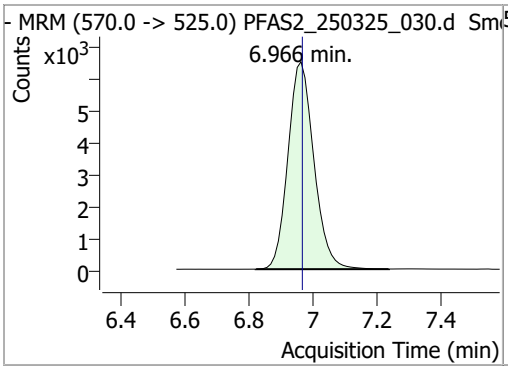


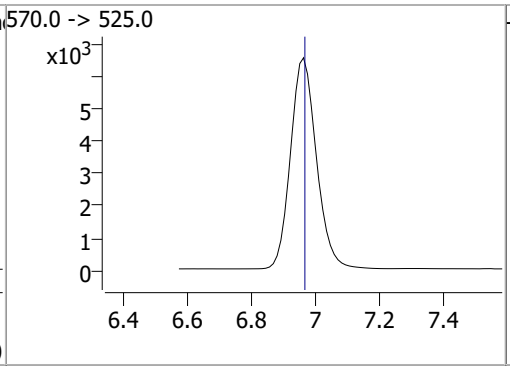
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

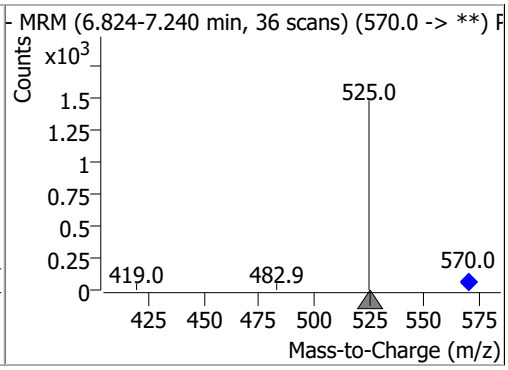




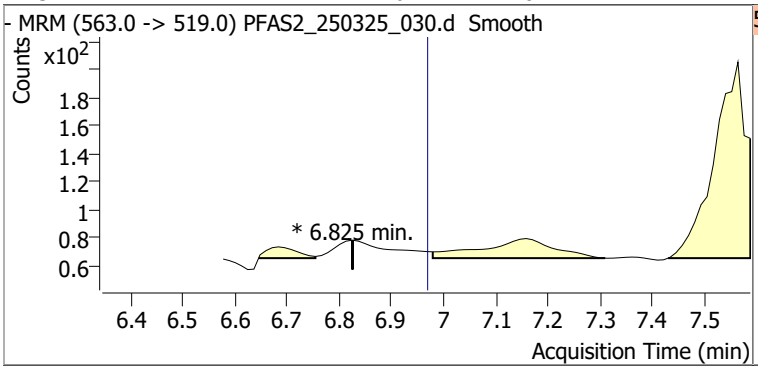
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	0.8758	6.97	0.00	36543				

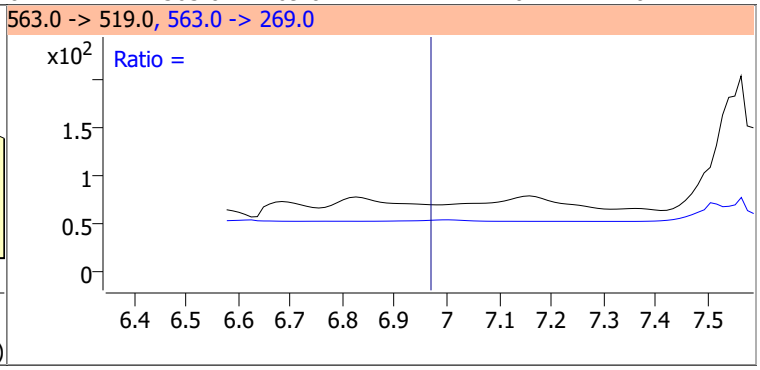




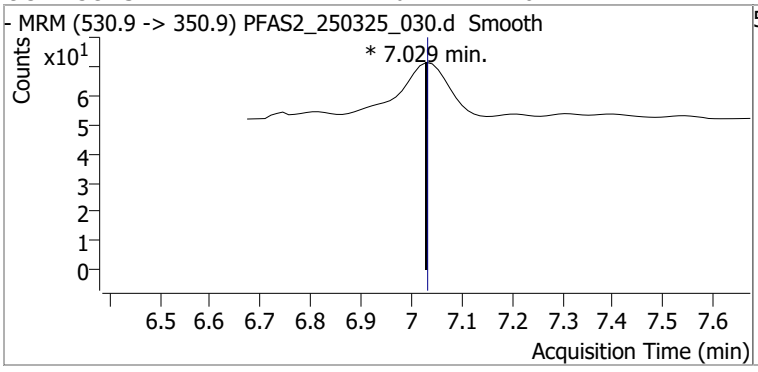


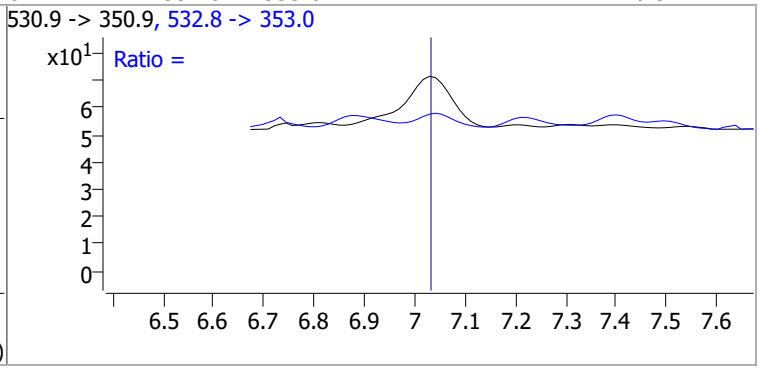
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



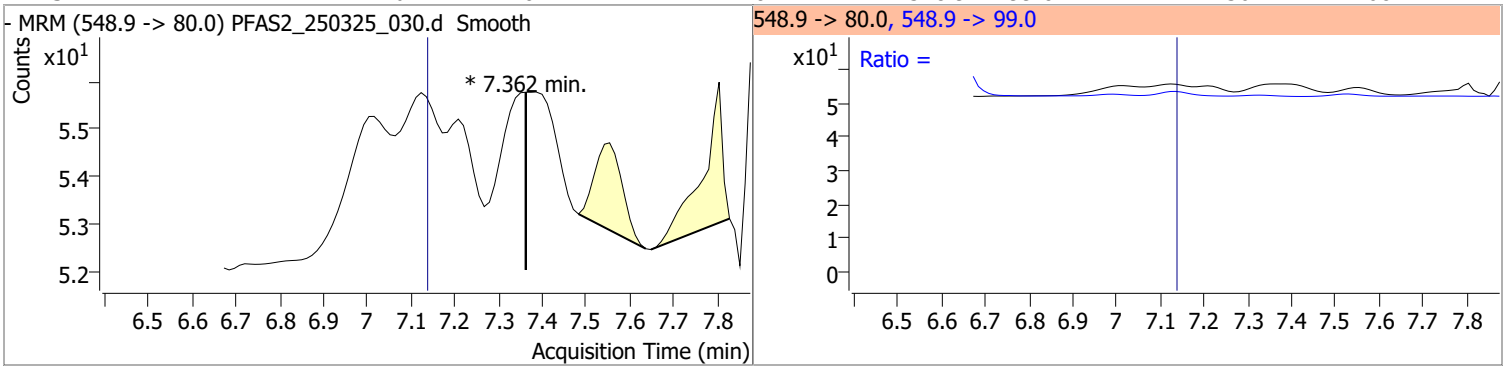


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

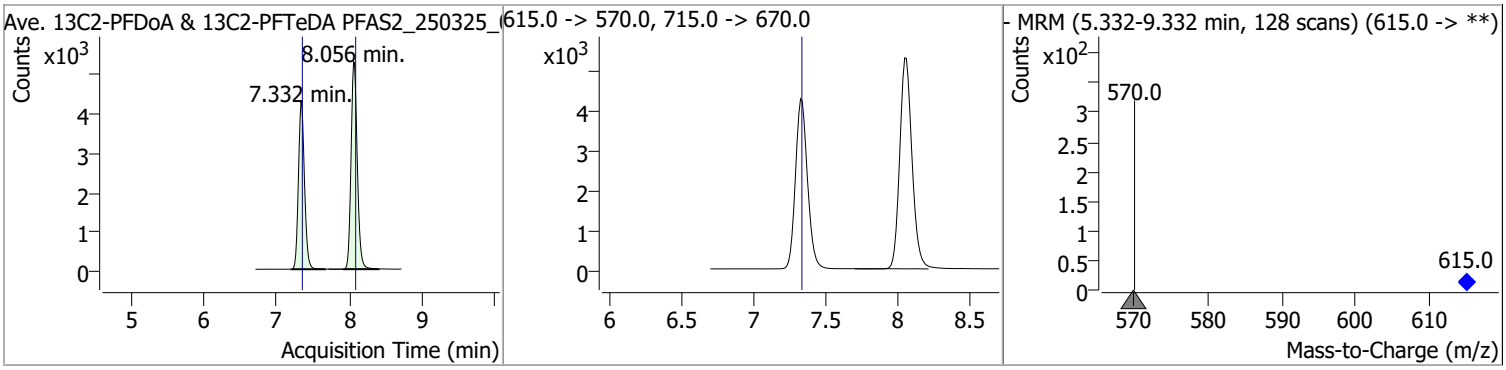




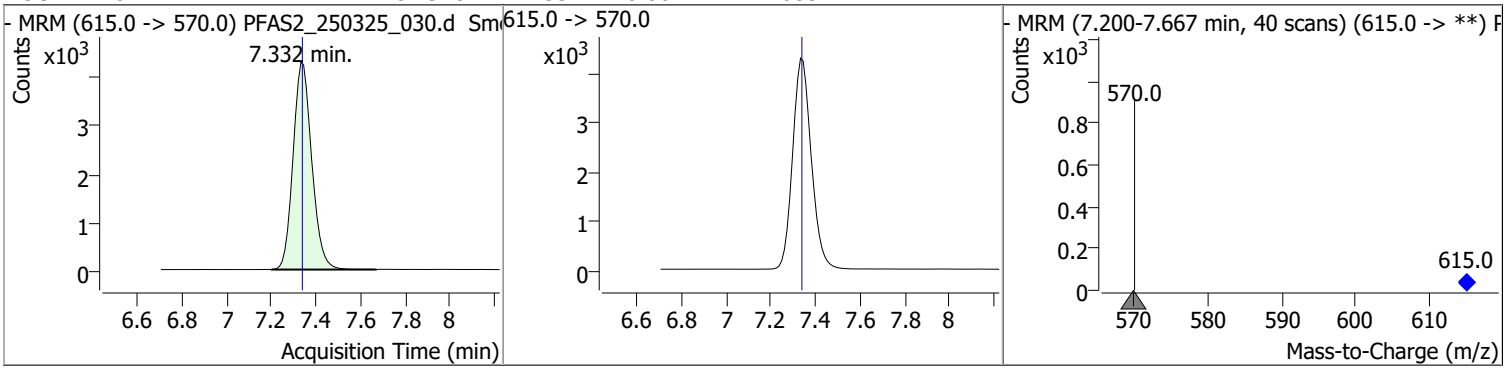
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



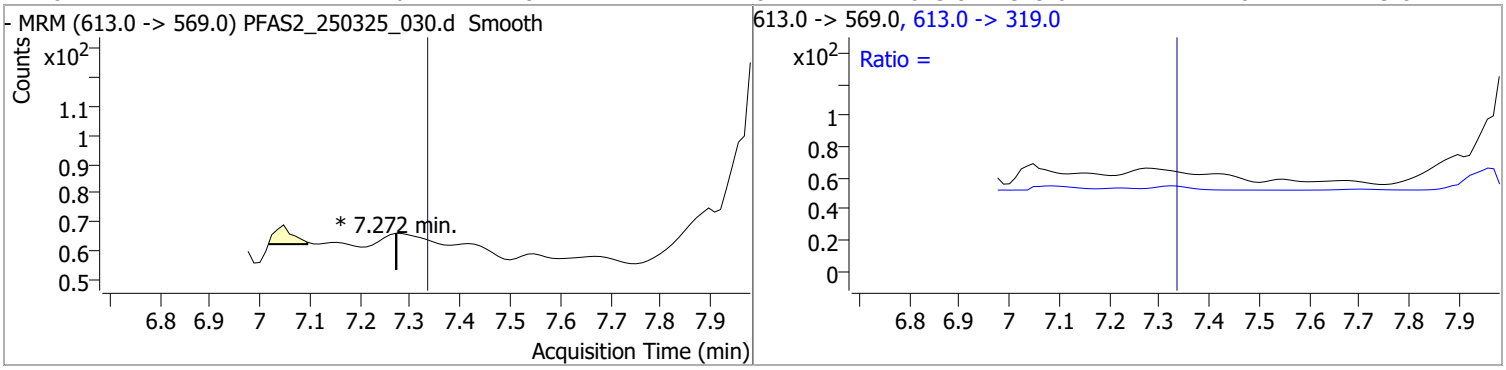
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.8154	7.69	0.36	28042				



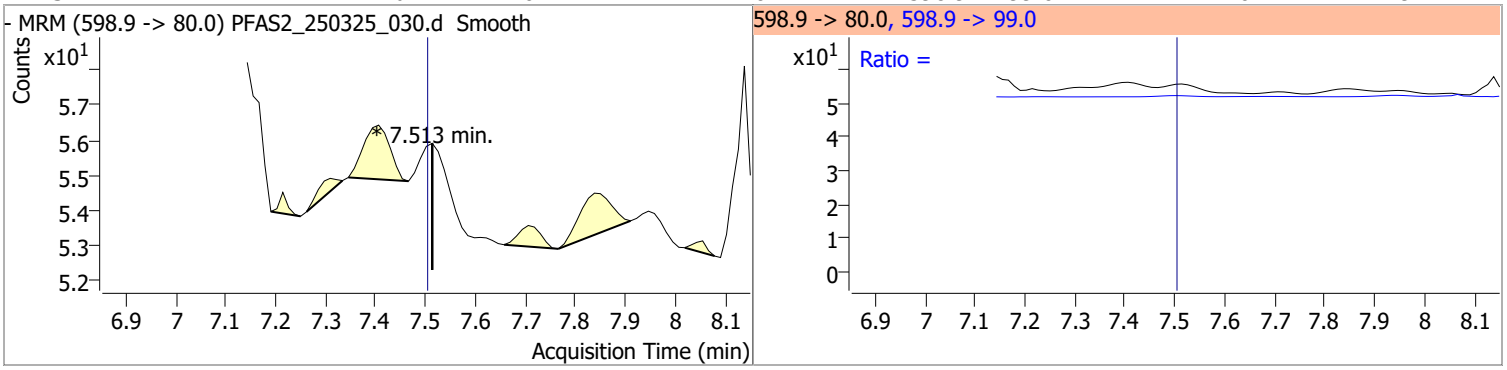
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	0.7940	7.33	0.00	24683				



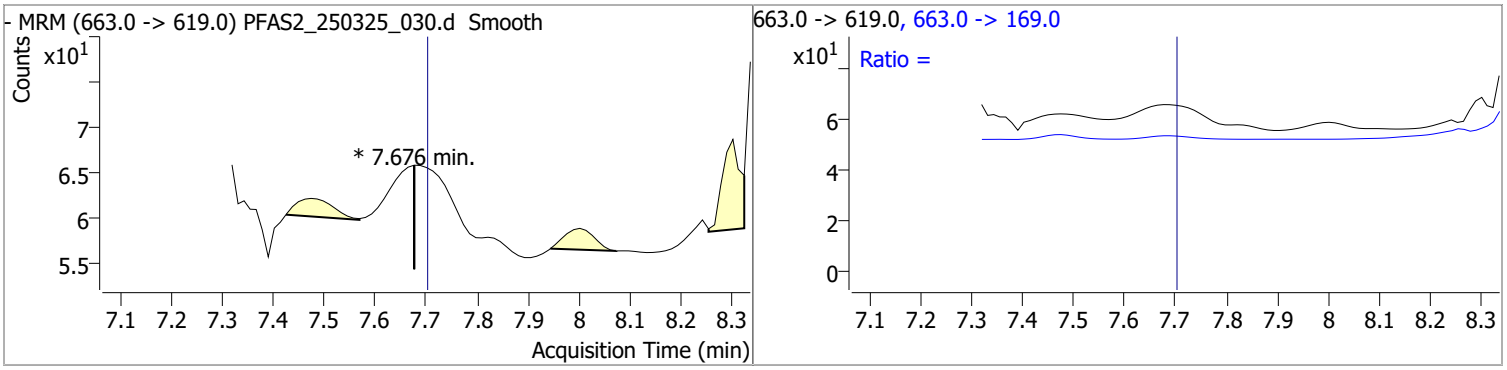
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



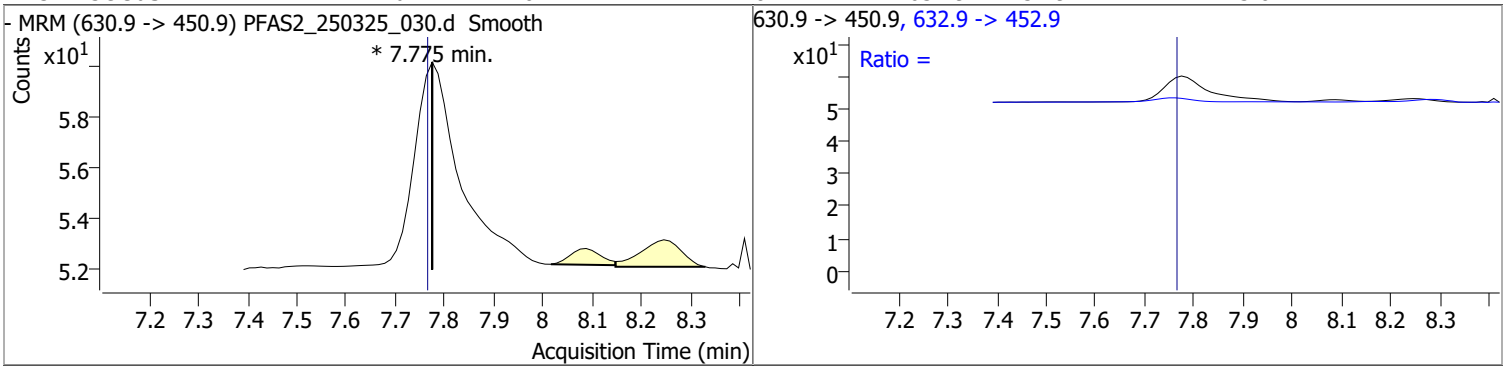
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



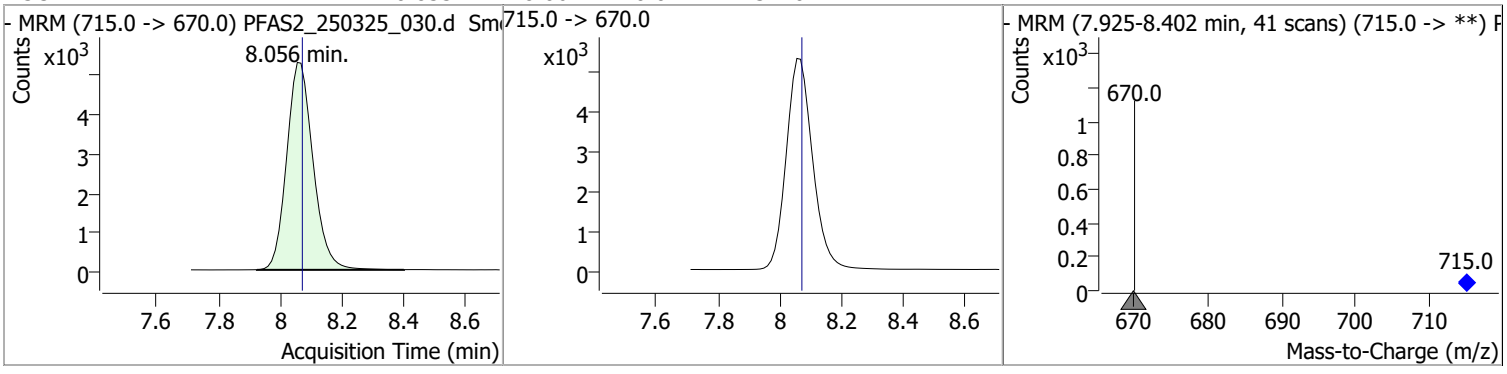
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



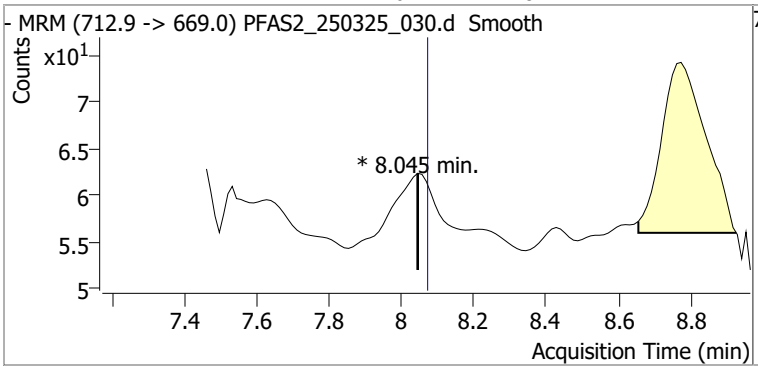
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

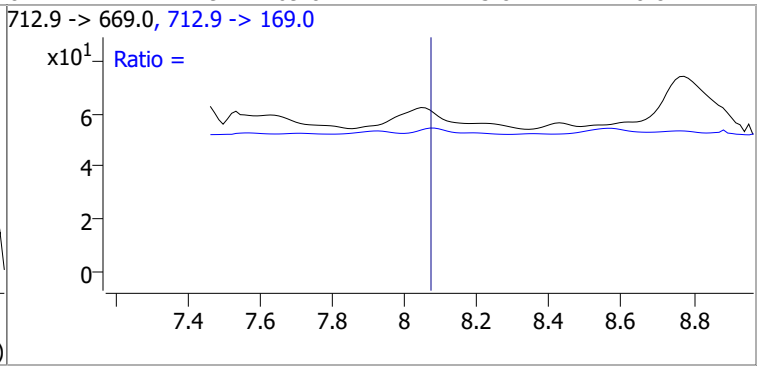


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8331	8.06	-0.01	31402				

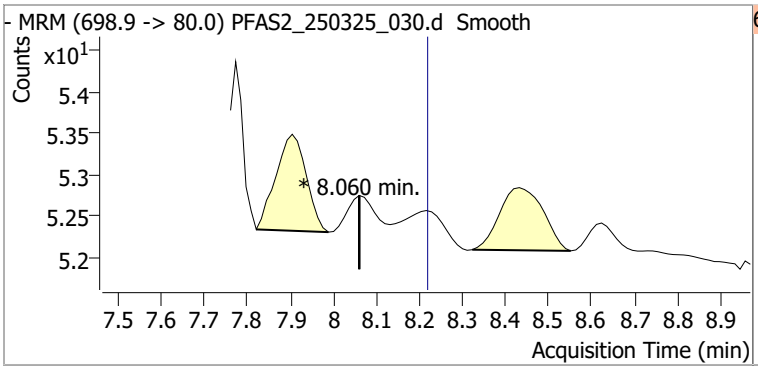


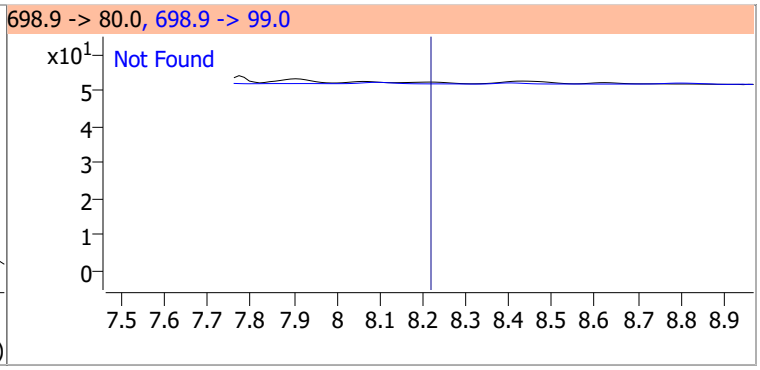
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



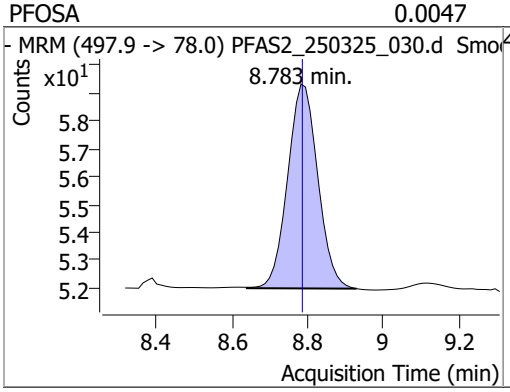


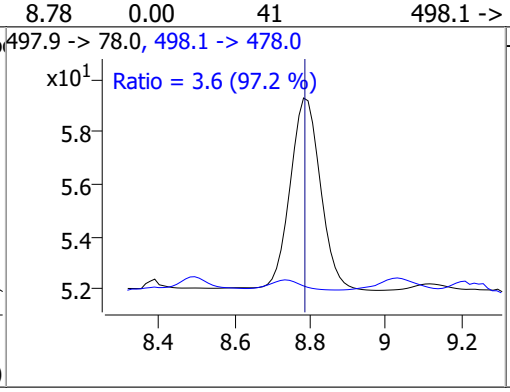
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

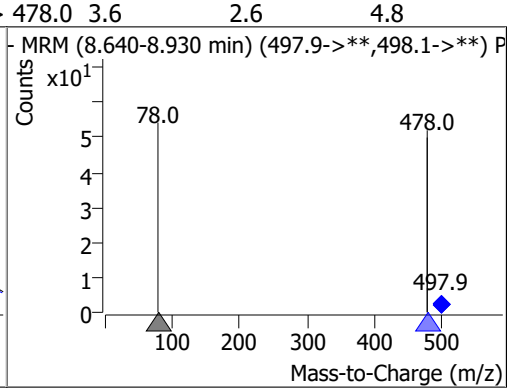




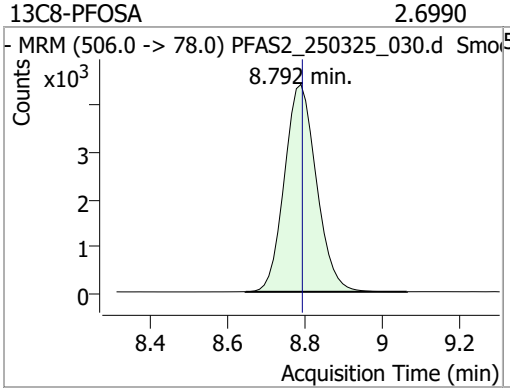
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0047	8.78	0.00	41	498.1 -> 478.0	3.6	2.6	4.8

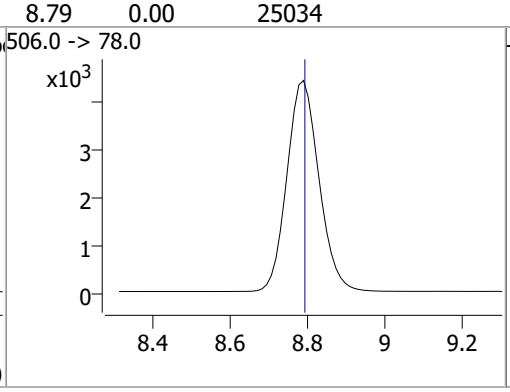


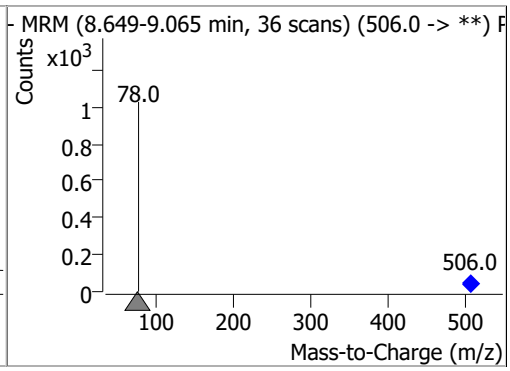




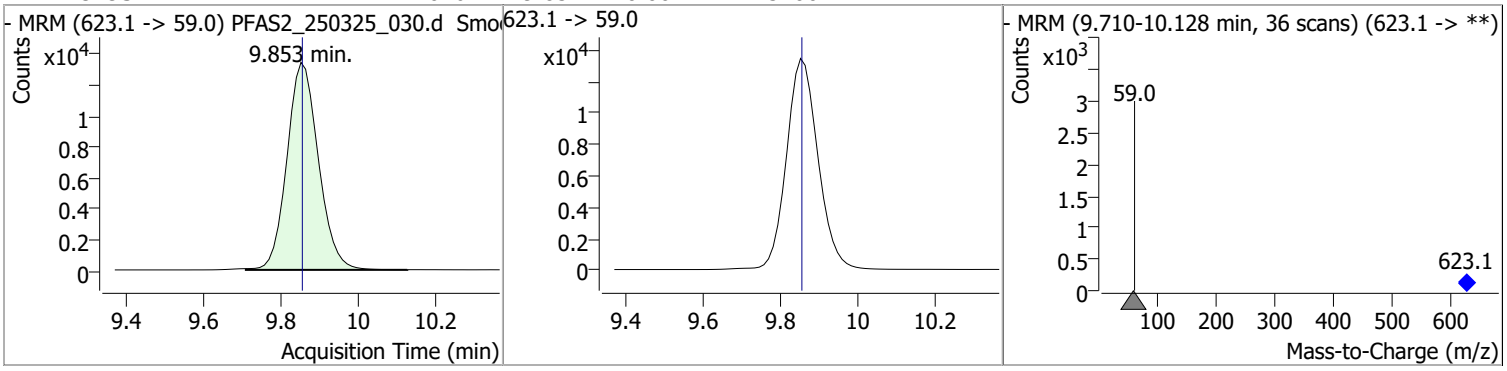
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6990	8.79	0.00	25034				



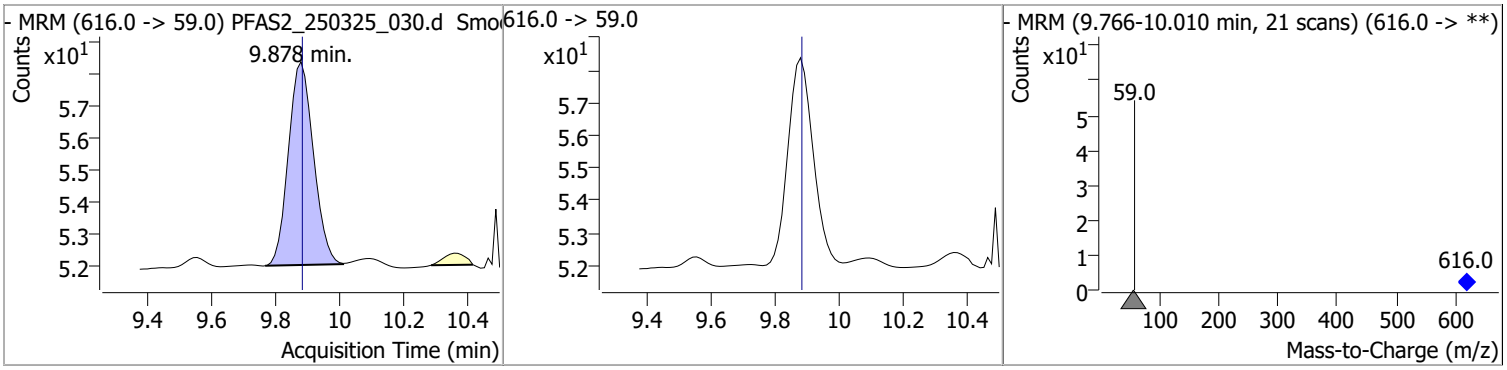




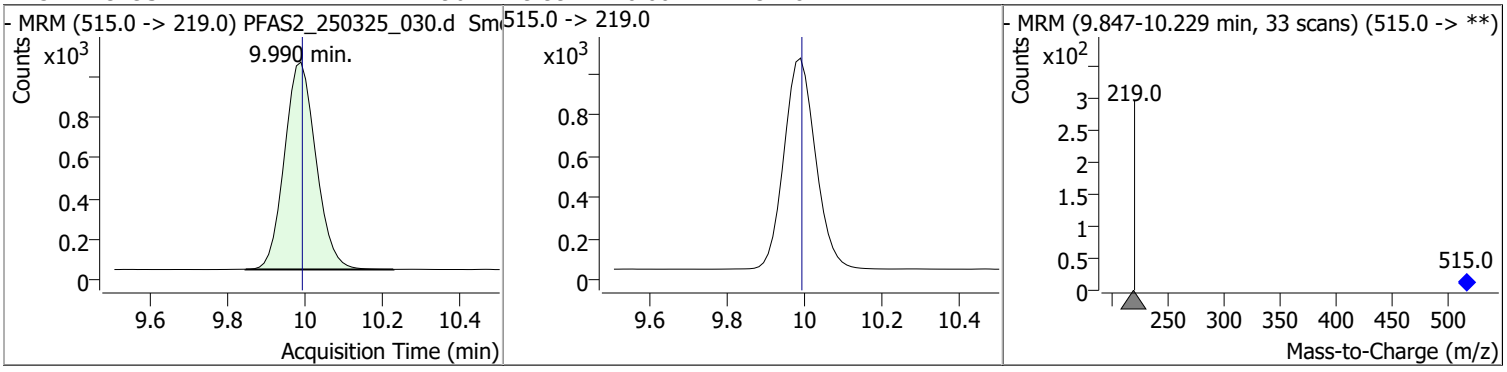
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.0764	9.85	0.00	75700				



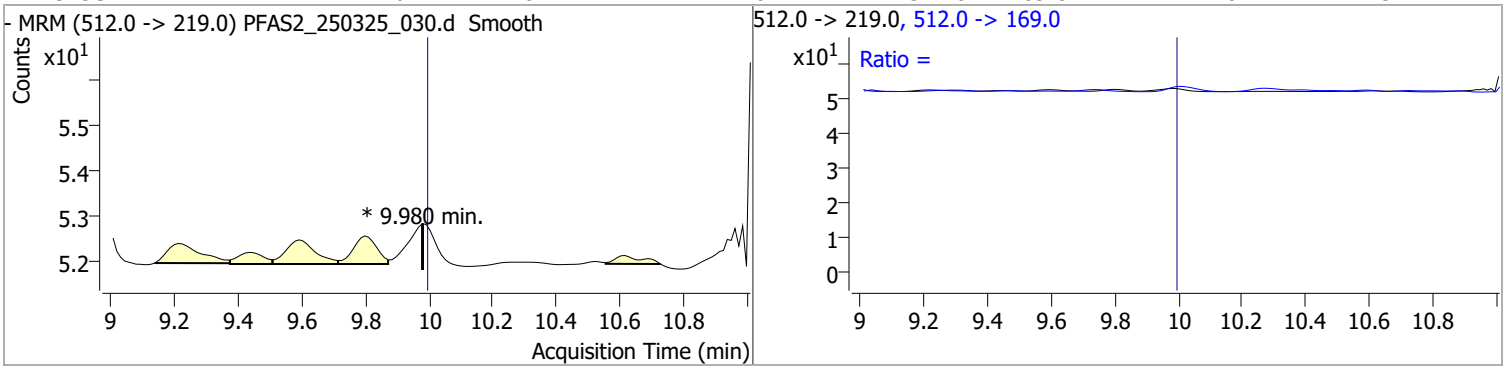
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	34				



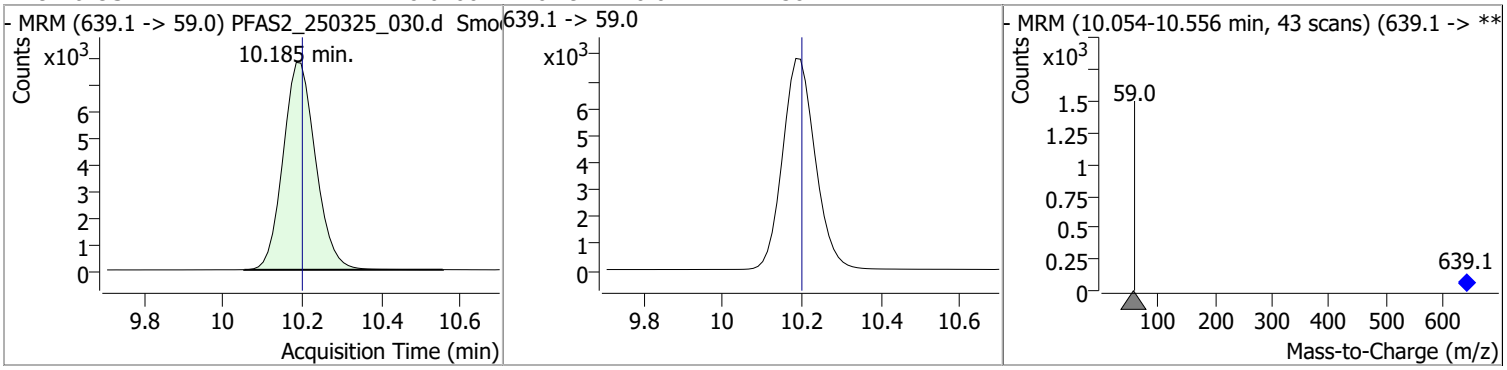
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2196	9.99	0.00	5778				



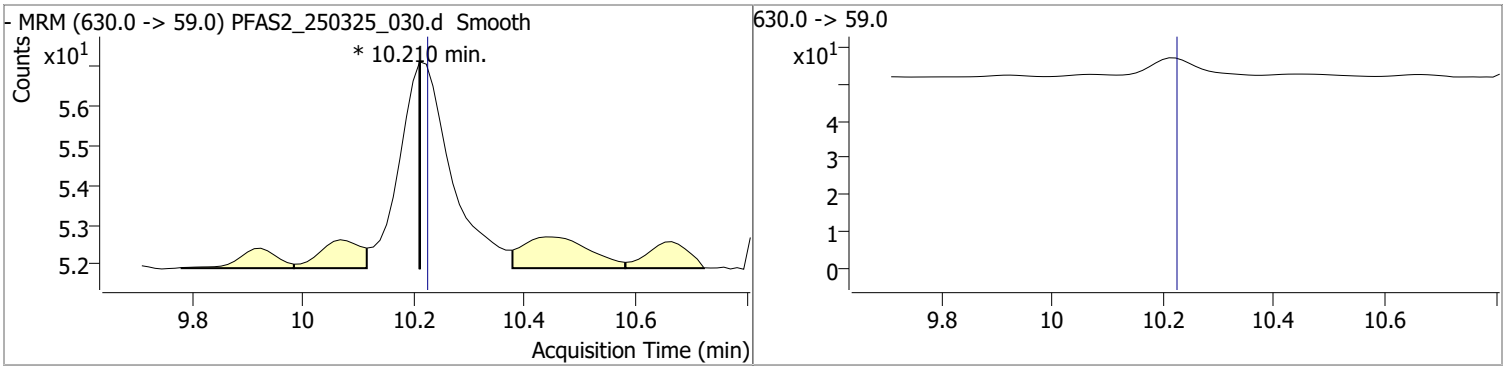
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



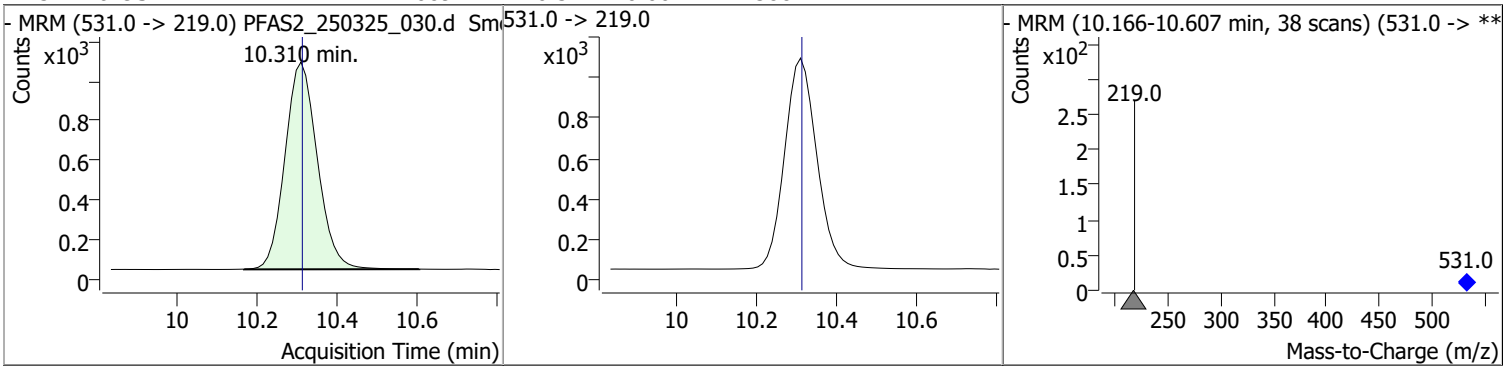
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	28.0200	10.19	-0.01	44581				



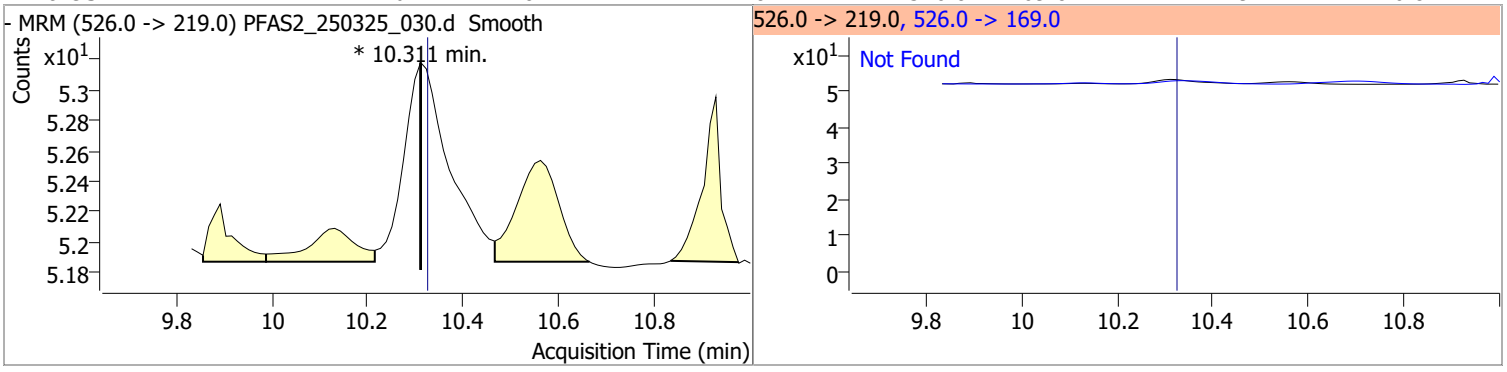
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	d	0		0				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0894	10.31	0.00	5881				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS2_250325_030.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 10:21:45 PM
Sample Name	SEQ-CCB	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

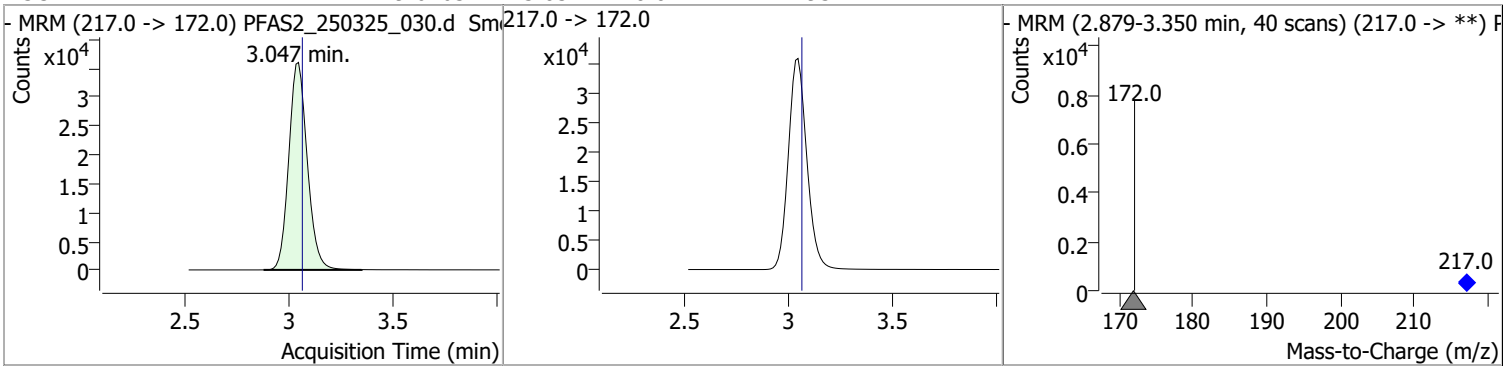
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.039	216.0 -> 172.0	101161	5.0000	µg/L		-26.075
13C2-PFHxA	4.890	315.0 -> 270.0	110626	2.5000	µg/L		-27.896
18O2-PFHxS	5.943	403.0 -> 84.0	28779	2.5000	µg/L		-2.872
13C4-PFOA	5.810	417.0 -> 172.0	13682	2.5000	µg/L		-11.429
13C5-PFNA	6.201	468.0 -> 423.0	74251	1.2500	µg/L		4.325
13C2-PFDA	6.592	515.0 -> 470.0	65062	1.2500	µg/L		-2.714
13C4-PFOS	6.748	503.0 -> 80.0	15595	2.5000	µg/L		-37.391
System Monitoring Compounds							
13C4-PFBA	3.047	217.0 -> 172.0	221293	10.0000	µg/L		-28.806
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 96.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	123817	5.0000	µg/L		-40.162
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.99%			
13C5-PFPeA	4.222	268.0 -> 223.0	123817	5.0000	µg/L		-40.162
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 82.99%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	20566	5.0000	µg/L	#	-18.599
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 84.15%			
13C5-PFHxA	4.889	318.0 -> 273.0	109460	2.5000	µg/L		-35.171
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	109460	2.5000	µg/L		-35.171
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.89%			
13C3-PFBS	4.917	302.0 -> 80.0	41001	2.5000	µg/L		-32.479
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 69.59%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	120510	10.0000	µg/L	#	-31.047
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.63%			
13C4-PFHpA	5.385	367.0 -> 322.0	136489	2.5000	µg/L		-27.740
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.25%			
13C3-PFHxS	5.944	402.0 -> 80.0	31252	2.5000	µg/L		-10.576
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.09%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	11207	5.0000	µg/L	#	-24.114
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 78.21%			
13C8-PFOA	5.809	421.0 -> 376.0	150350	2.5000	µg/L		-12.962
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.29%			
13C3-PFHxS	5.944	402.0 -> 80.0	31252	2.5000	µg/L		-10.576
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.09%			
13C9-PFNA	6.201	472.0 -> 427.0	70791	1.2500	µg/L		0.464
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.26%			
13C8-PFOS	6.747	507.0 -> 80.0	14267	2.5000	µg/L		-43.573
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.16%			
13C2-8-2 FTSA	6.400	529.0 -> 81.0	9267	5.0000	µg/L	#	-21.770
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 80.44%			
13C6-PFDA	6.591	519.0 -> 474.0	66637	1.2500	µg/L		-1.947
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.69%			
2H3-N-MeFOSAA	6.718	573.0 -> 419.0	36088	5.0000	µg/L		-35.347
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.15%			
13C8-PFOS	6.747	507.0 -> 80.0	14267	2.5000	µg/L		-43.573

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 90.16%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	25315	5.0000	µg/L		-39.968
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.84%			
13C7-PFUnDA	6.966	570.0 -> 525.0	36543	1.2500	µg/L		-31.827
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.07%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.694	615.0 -> 570.0	28042	1.2500	µg/L		-36.434
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 65.23%			
13C2-PFDoDA	7.332	615.0 -> 570.0	24683	1.2500	µg/L		-38.208
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 63.52%			
13C2-PFTDA	8.056	715.0 -> 670.0	31402	1.2500	µg/L		-34.965
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 66.64%			
13C8-PFOSA	8.792	506.0 -> 78.0	25034	2.5000	µg/L		-32.270
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.96%			
13C8-PFOSA	8.792	506.0 -> 78.0	25034	2.5000	µg/L		-32.270
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.96%			
2H7-MeFOSE	9.853	623.1 -> 59.0	75700	25.0000	µg/L		-39.751
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 96.31%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	5778	2.5000	µg/L		-44.282
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 88.78%			
2H9-EtFOSE	10.185	639.1 -> 59.0	44581	25.0000	µg/L		-29.803
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 112.08%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	5881	2.5000	µg/L		-47.681
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.57%			
Target Compounds							QValue
PFBA	3.031	213.0 -> 169.0	110	0.0868	µg/L		100
PFMPA	3.602	229.0 -> 85.0	38	0.0583	µg/L		100
3-3 FTCA	3.706	241.0 -> 177.0	8	0.0000	µg/L		21
PFPeA	4.223	263.0 -> 219.0	803	0.0596	µg/L	#	100
PFMBA	4.453	279.0 -> 85.0	62	0.0372	µg/L		100
4-2 FTSA	4.686	327.0 -> 307.0	74	0.0060	µg/L		86
NFDHA	4.823	295.0 -> 201.0	4	0.0049	µg/L	#	1
PFHxA	4.892	313.0 -> 269.0	311	0.0079	µg/L		89
PFBS	4.918	298.9 -> 80.0	48	0.0028	µg/L		91
HFPO-DA	5.087	285.0 -> 169.0	88	0.0083	µg/L		90
PFEESA	5.201	314.9 -> 135.0	159	0.0544	µg/L	#	54
PFHpA	5.398	363.0 -> 319.0	749	0.0355	µg/L	#	87
5-3 FTCA	5.458	341.0 -> 237.0	58	0.1959	µg/L	#	27
PFPeS	5.482	348.9 -> 80.0	51	0.0030	µg/L	#	49
DONA	5.539	377.0 -> 251.0	150	0.0696	µg/L		87
6-2 FTSA	5.631	427.0 -> 407.0	34	0.1142	µg/L		50
PFOA	5.810	413.0 -> 369.0	480	0.0444	µg/L	#	79
PFHxS	5.945	398.9 -> 80.0	209	0.0172	µg/L		81
PFNA	0.000		0	N.D.			
PFHpS	6.370	448.9 -> 80.0	23	0.0038	µg/L		98
8-2 FTSA	6.424	527.0 -> 507.0	34	0.0803	µg/L		47
PFDA	6.508	513.0 -> 469.0	212	0.0012	µg/L	#	88
7-3 FTCA	6.609	441.0 -> 317.0	83	0.2803	µg/L	#	1
N-MeFOSAA	6.730	570.0 -> 419.0	8	0.0094	µg/L	#	1
PFOS	6.748	498.9 -> 80.0	325	0.0877	µg/L		87
N-EtFOSAA	6.729	584.0 -> 419.0	45	0.0206	µg/L		24
PFUnDA	6.825	563.0 -> 519.0	95	0.0167	µg/L		63
9Cl-PF3ONS	7.029	530.9 -> 350.9	116	0.0680	µg/L		87
PFNS	7.362	548.9 -> 80.0	3	0.0006	µg/L		26
PFDoDA	7.272	613.0 -> 569.0	42	0.0023	µg/L	#	34

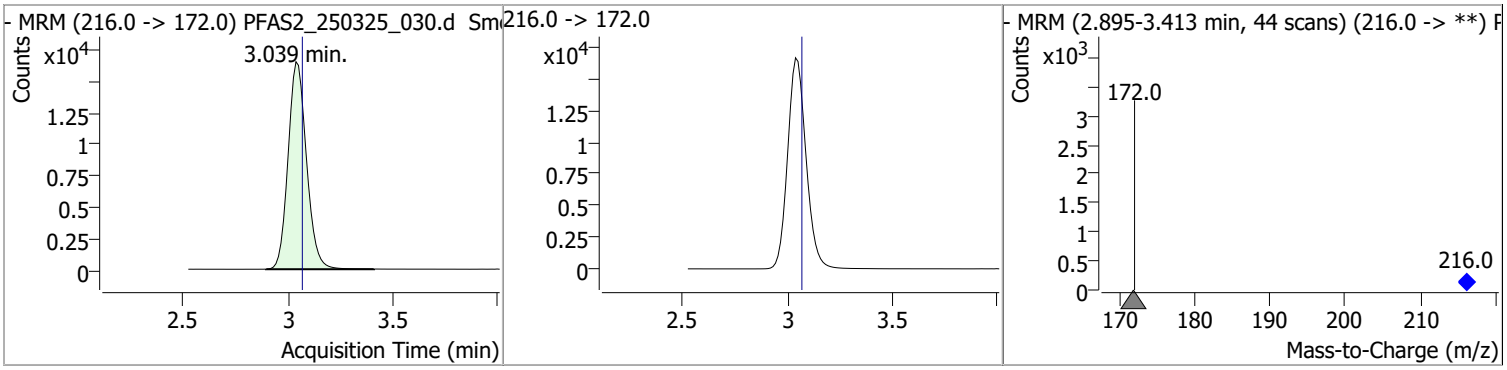
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFDS	7.513	598.9 -> 80.0	6	0.0016	µg/L		22
PFTrDA	7.676	663.0 -> 619.0	47	0.0022	µg/L	#	80
11Cl-PF3OUdS	7.775	630.9 -> 450.9	51	0.0032	µg/L	#	68
PFTDA	8.045	712.9 -> 669.0	54	0.0085	µg/L	#	56
PFDoS	8.060	698.9 -> 80.0	2	0.0008	µg/L		22
PFOSA	8.783	497.9 -> 78.0	41	0.0047	µg/L		100
MeFOSE	9.878	616.0 -> 59.0	34	0.0000	µg/L		100
N-MeFOSA	9.980	512.0 -> 219.0	5	0.0023	µg/L		73
EtFOSE	10.210	630.0 -> 59.0	34	0.0305	µg/L		100
N-EtFOSA	10.311	526.0 -> 219.0	9	0.0038	µg/L		1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

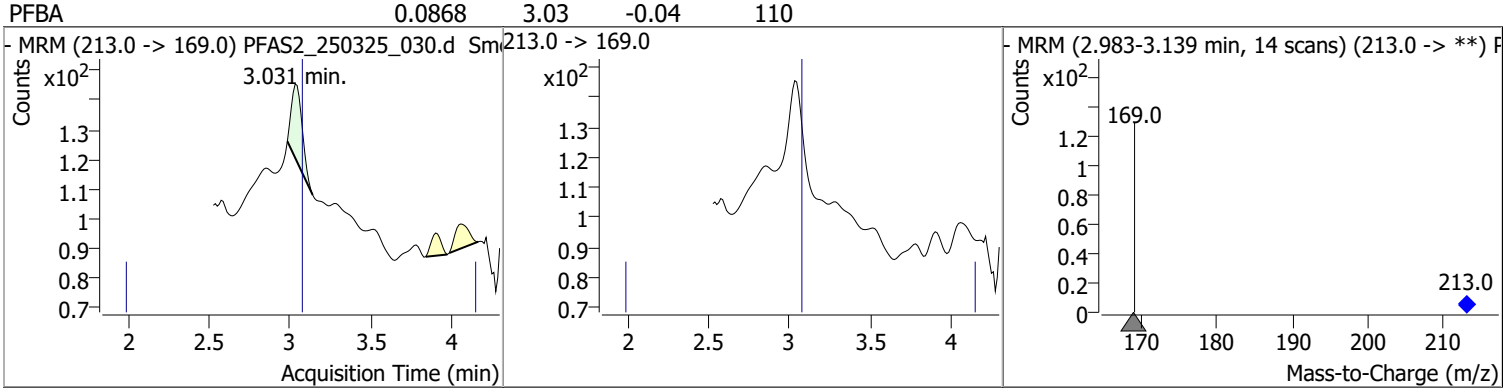
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.6263	3.05	-0.01	221293				



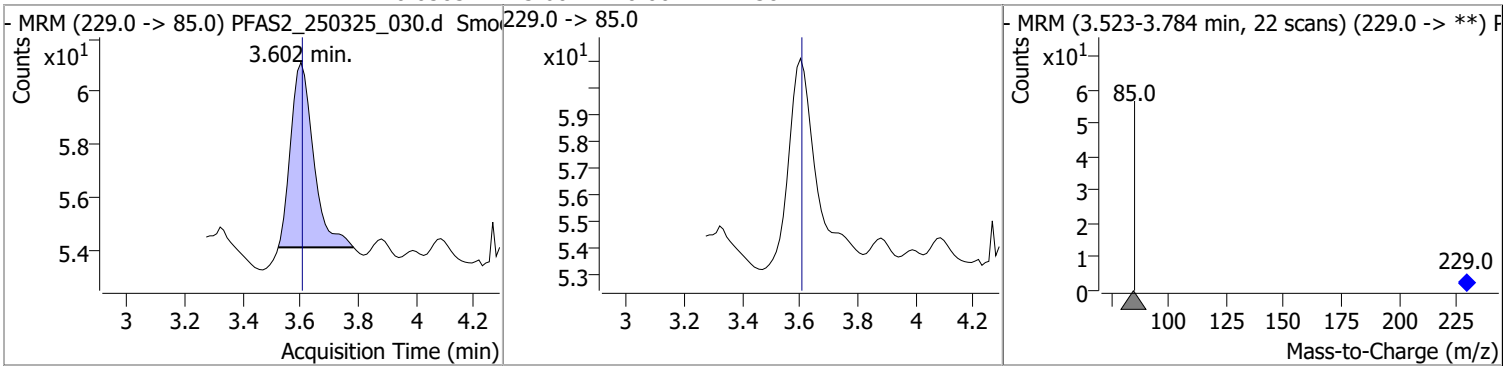
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.04	-0.02	101161				



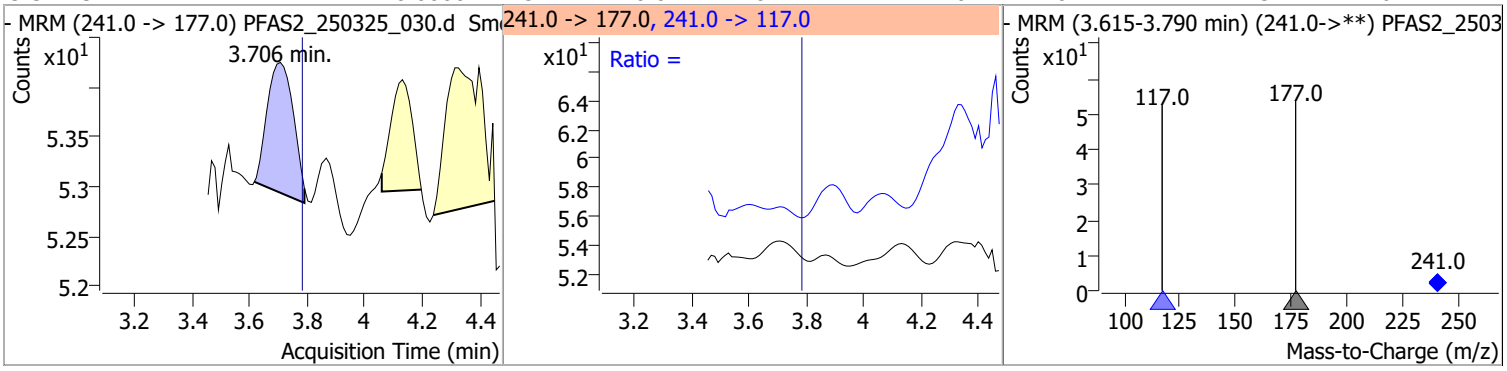
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0868	3.03	-0.04	110				



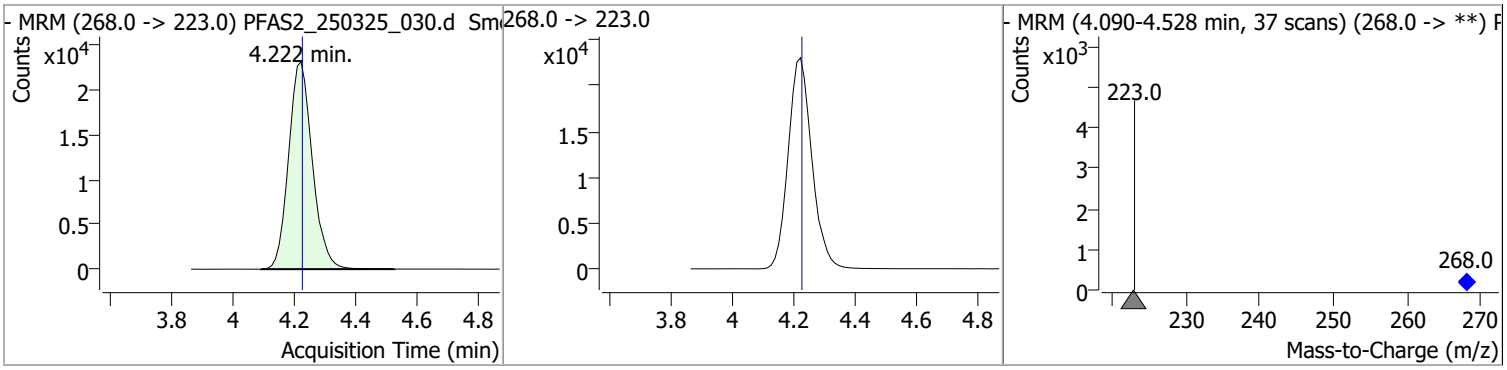
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0583	3.60	0.00	38				



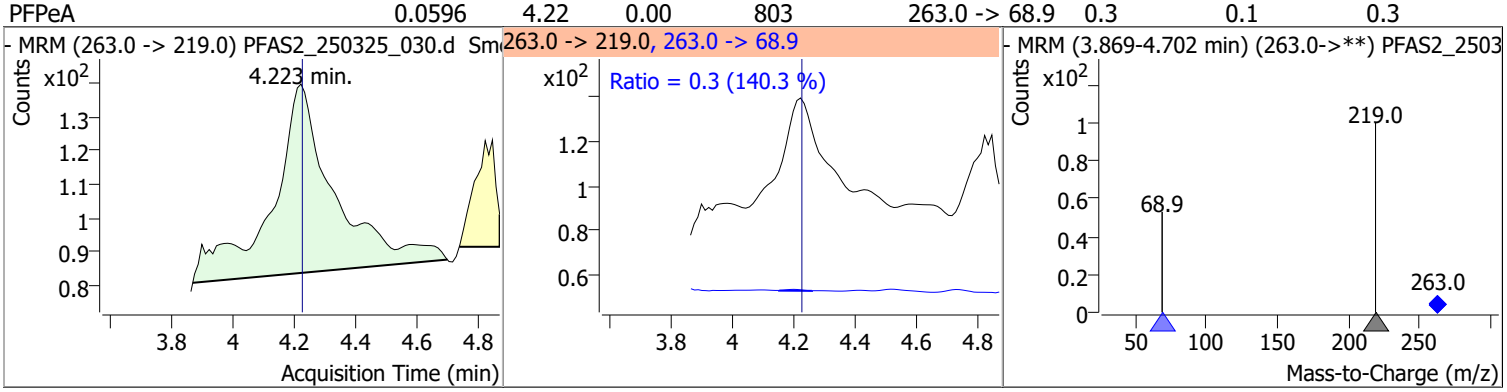
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0000	3.71	-0.07	8	241.0 -> 117.0		41.3	76.7



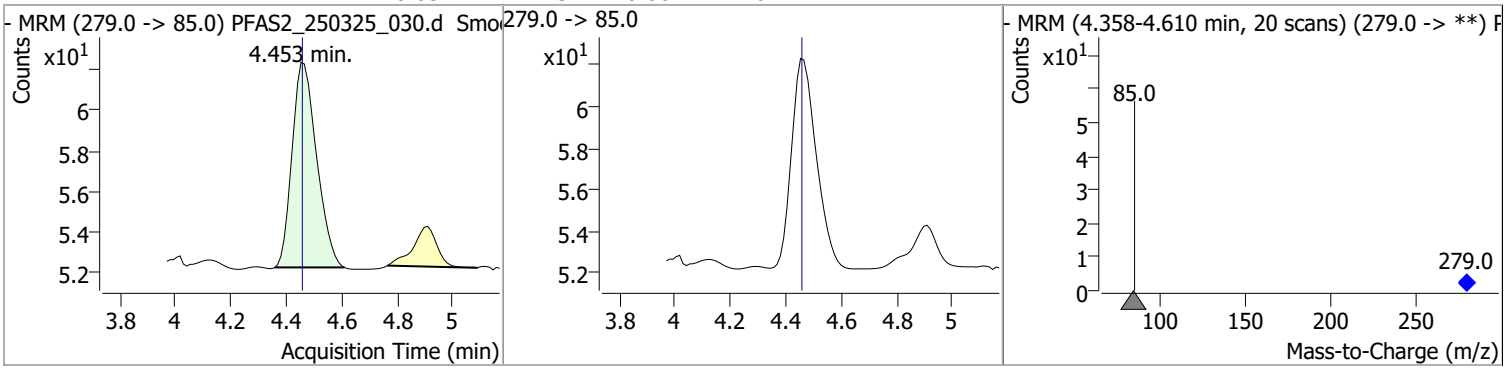
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.1497	4.22	0.00	123817				



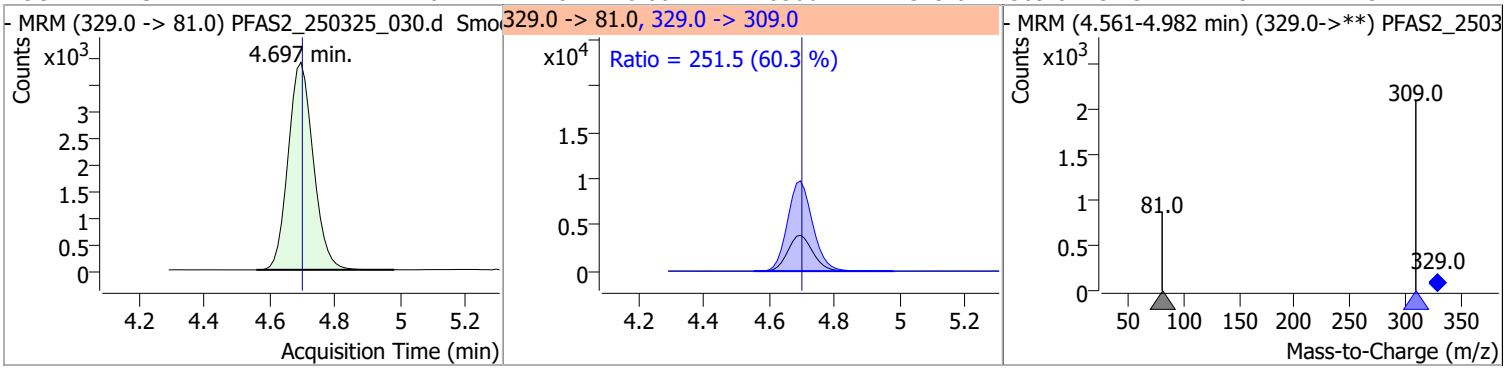
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0596	4.22	0.00	803	263.0 -> 68.9	0.3	0.1	0.3



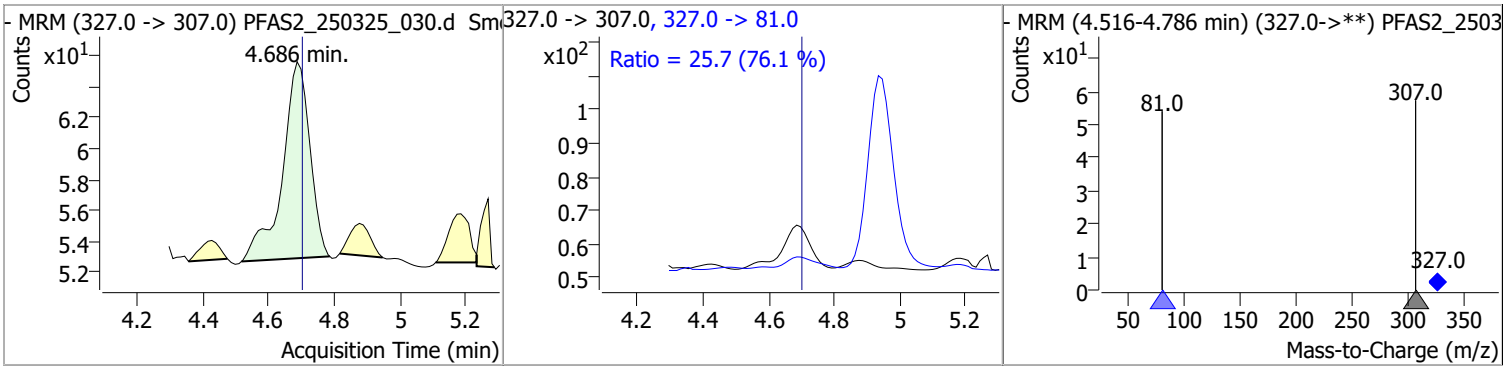
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0372	4.45	0.00	62				



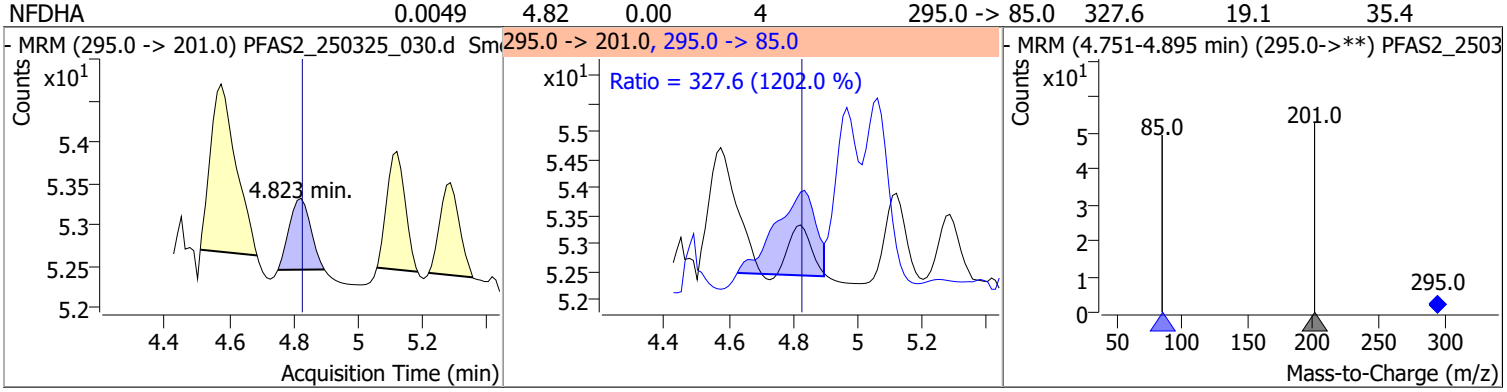
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.2074	4.70	0.00	20566	329.0 -> 309.0	251.5	292.1	542.4



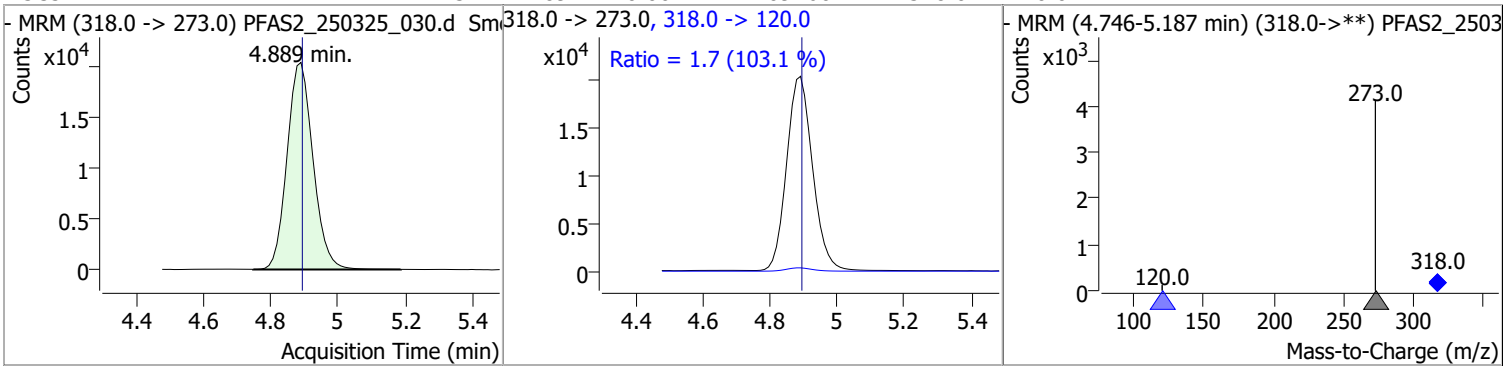
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0060	4.69	-0.01	74	327.0 -> 81.0	25.7	23.6	43.9



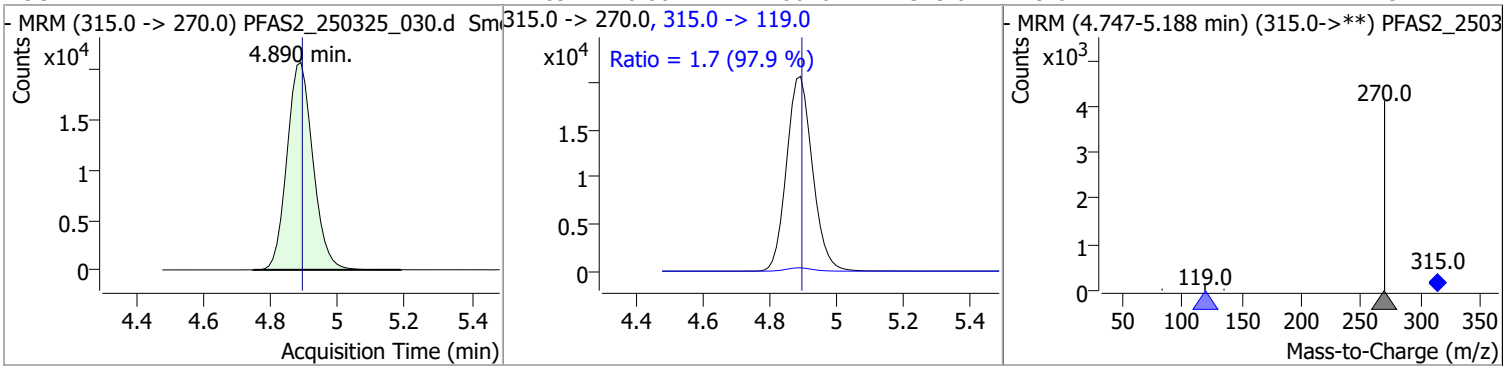
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0049	4.82	0.00	4	295.0 -> 85.0	327.6	19.1	35.4



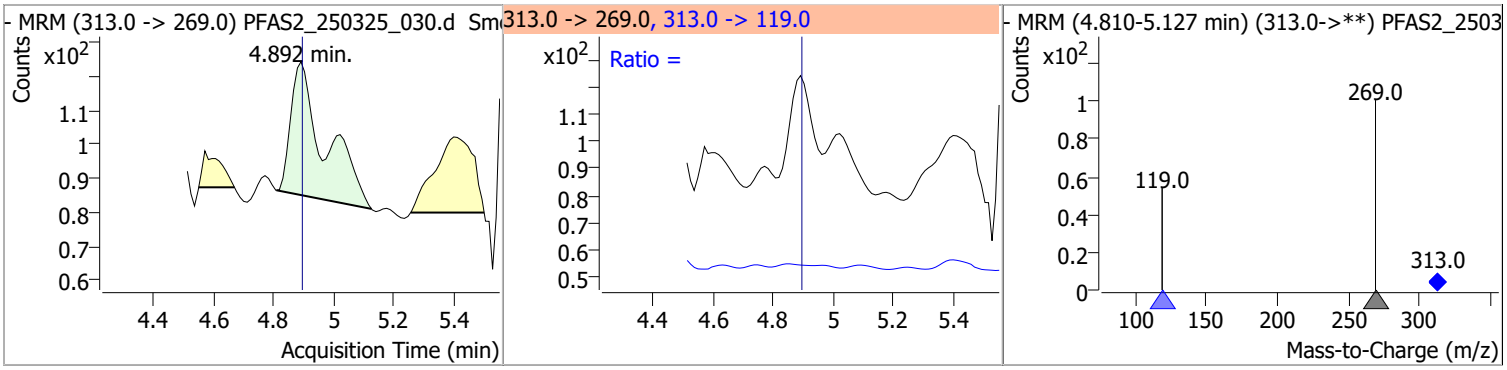
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.2473	4.89	0.00	109460	318.0 -> 120.0	1.7	1.1	2.1



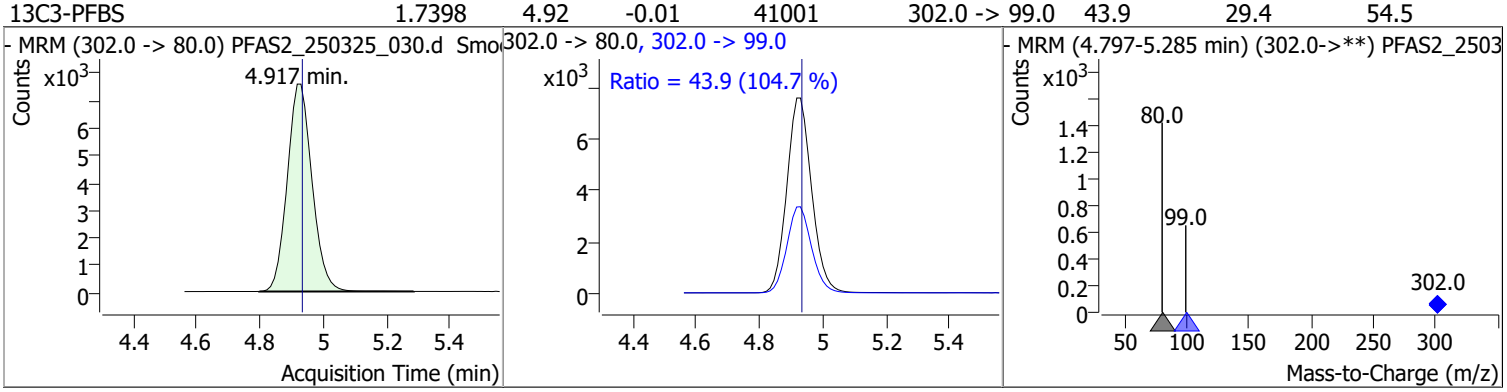
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	110626	315.0 -> 119.0	1.7	1.2	2.3



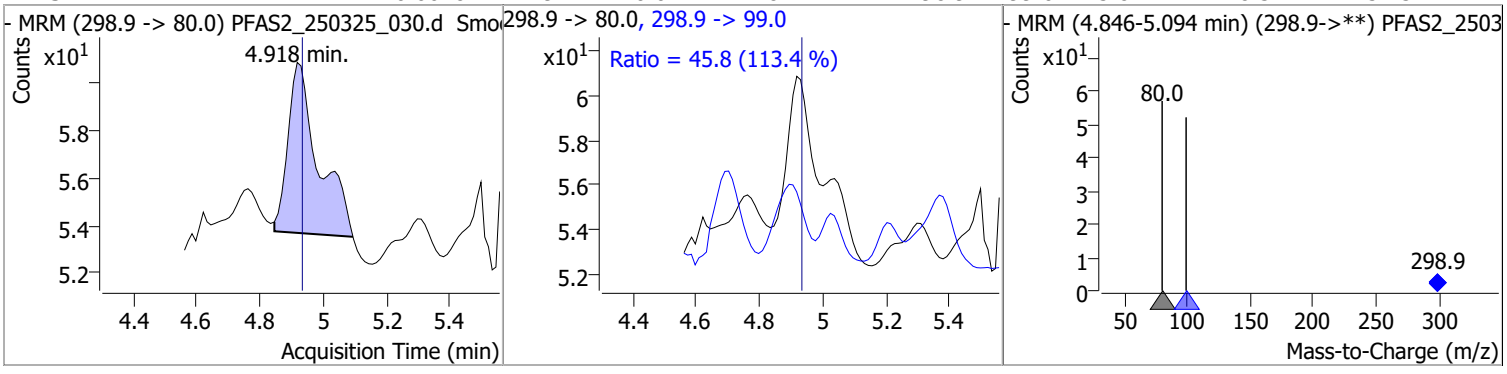
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0079	4.89	0.00	311	313.0 -> 119.0		2.4	4.5



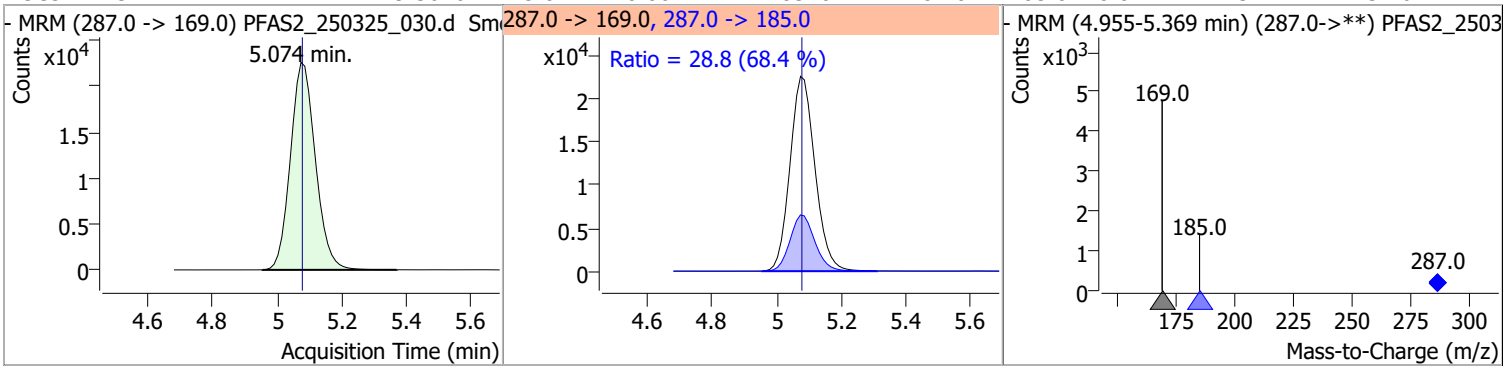
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	1.7398	4.92	-0.01	41001	302.0 -> 99.0	43.9	29.4	54.5



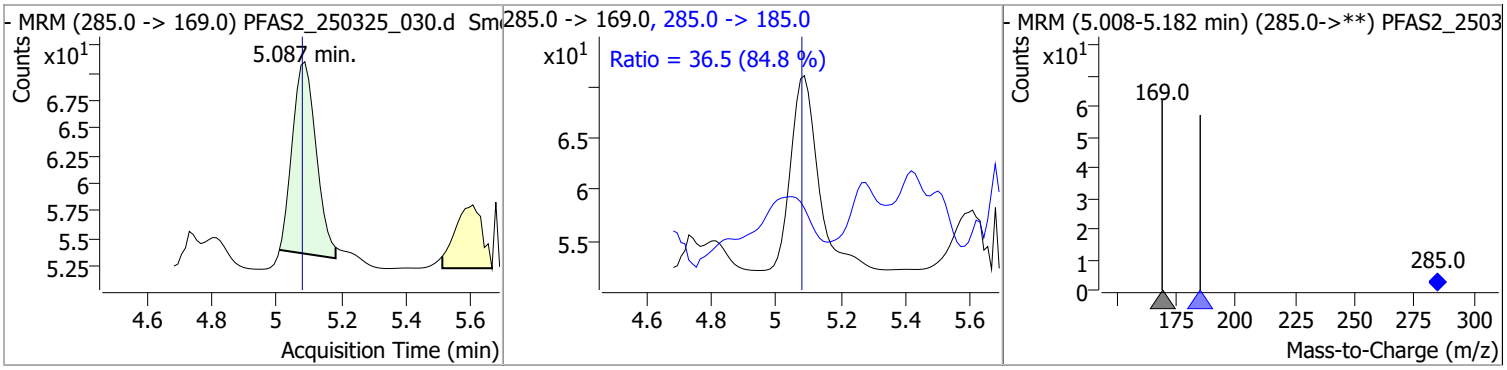
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0028	4.92	-0.01	48	298.9 -> 99.0	45.8	28.3	52.5



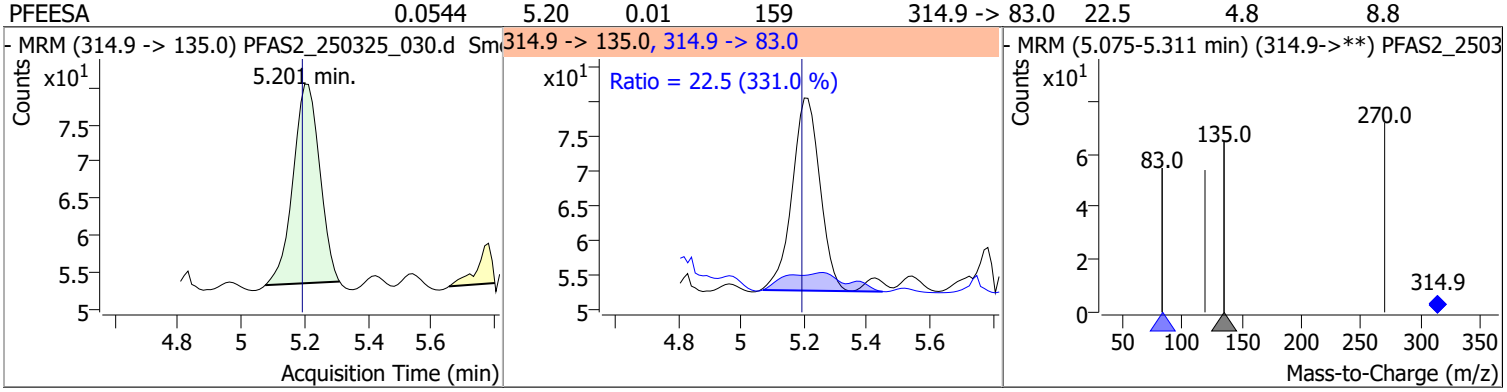
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5626	5.07	0.00	120510	287.0 -> 185.0	28.8	29.4	54.6



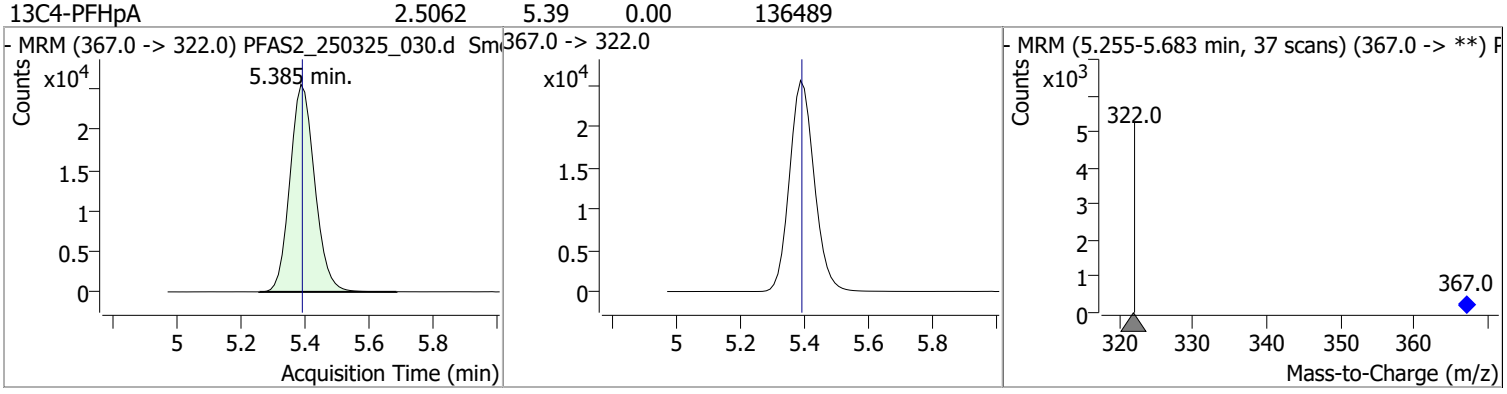
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0083	5.09	0.01	88	285.0 -> 185.0	36.5	30.1	56.0



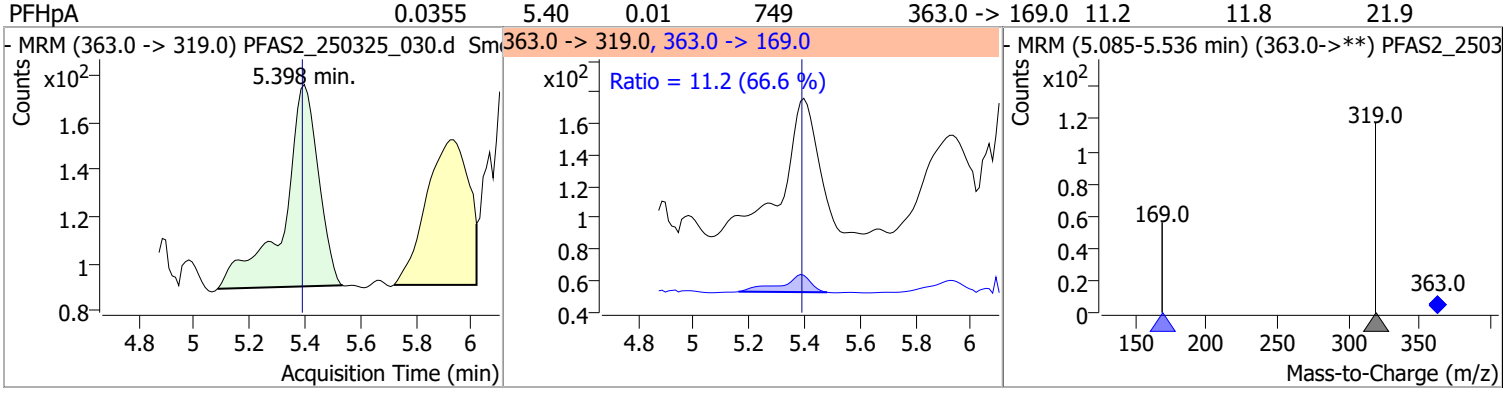
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0544	5.20	0.01	159	314.9 -> 83.0	22.5	4.8	8.8



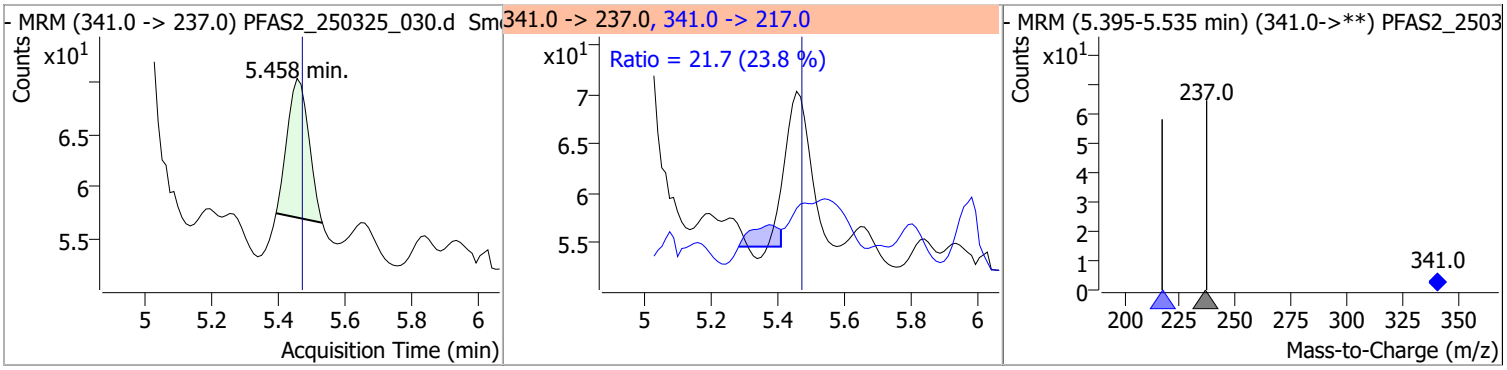
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5062	5.39	0.00	136489				



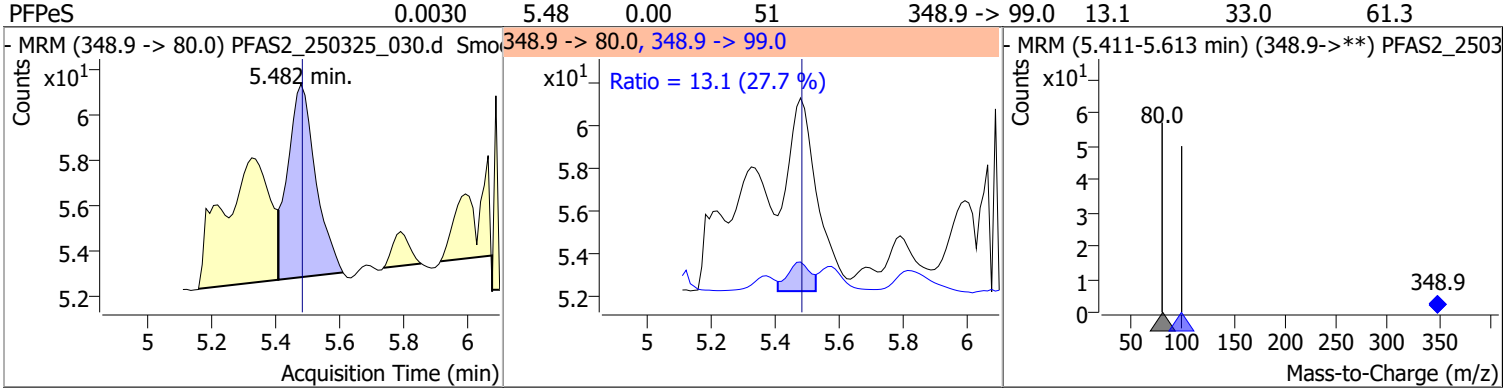
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0355	5.40	0.01	749	363.0 -> 169.0	11.2	11.8	21.9



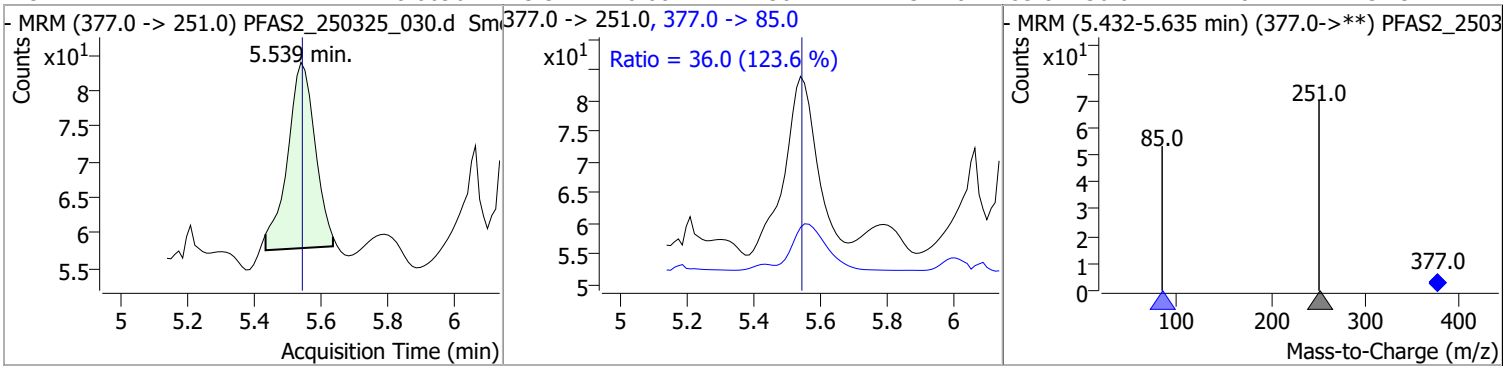
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.1959	5.46	-0.01	58	341.0 -> 217.0	21.7	63.6	118.1



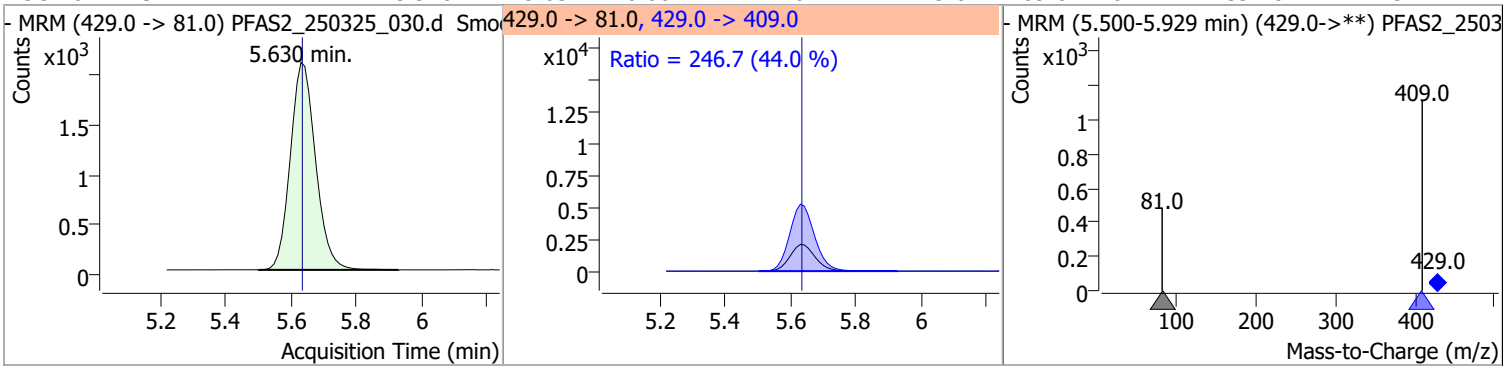
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0030	5.48	0.00	51	348.9 -> 99.0	13.1	33.0	61.3



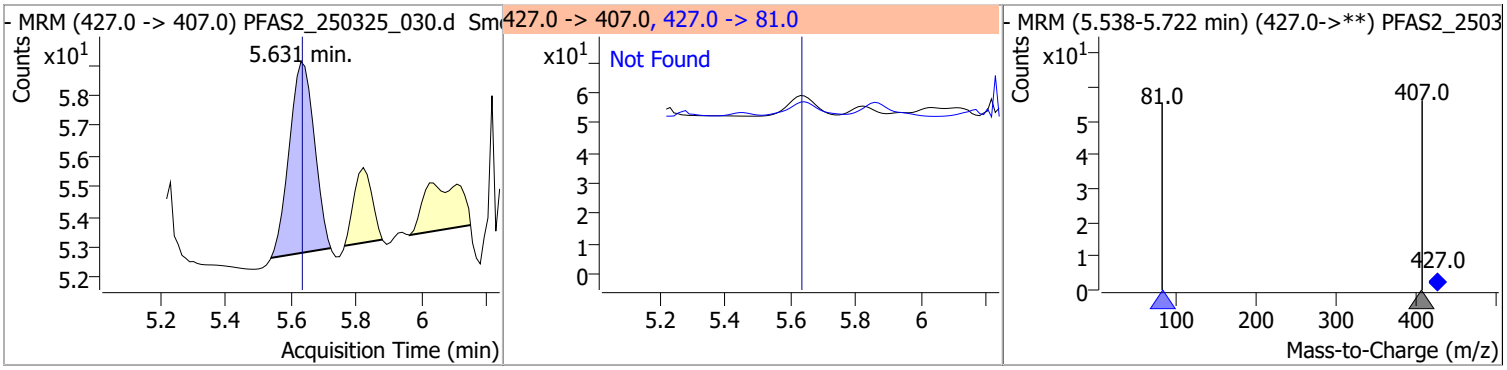
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0696	5.54	0.00	150	377.0 -> 85.0	36.0	20.4	37.9



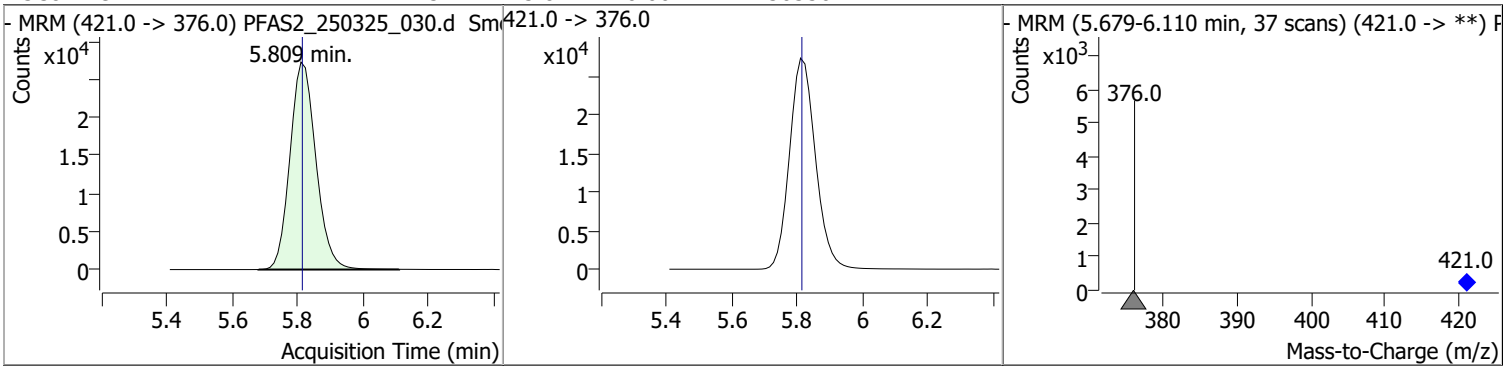
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	3.9107	5.63	0.00	11207	429.0 -> 409.0	246.7	392.8	729.4



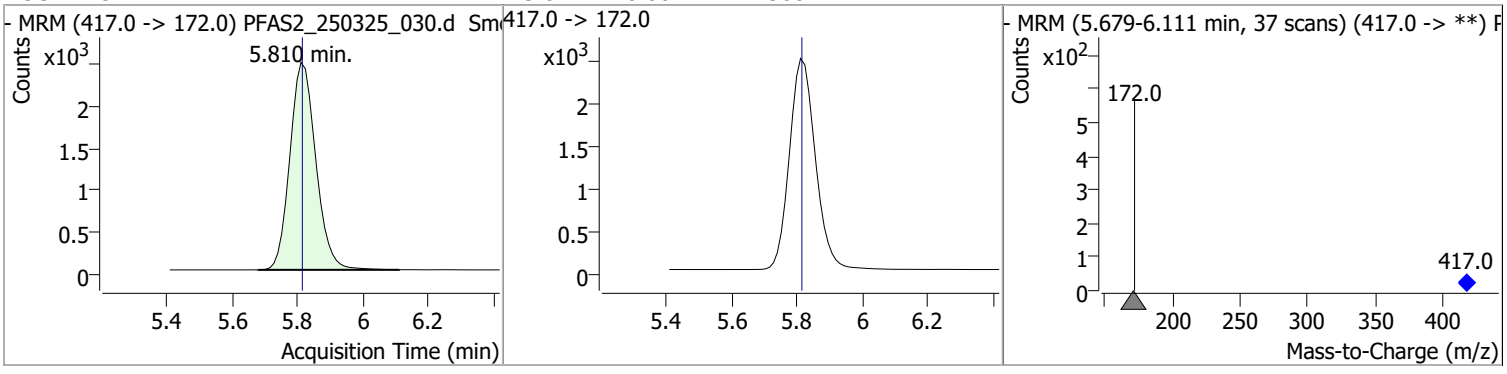
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.1142	5.63	0.00	34	427.0 -> 81.0		17.7	32.8



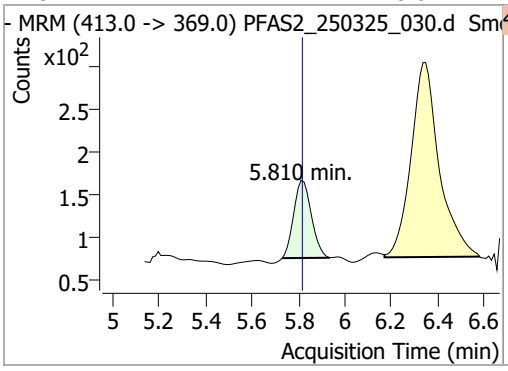
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4572	5.81	0.00	150350				

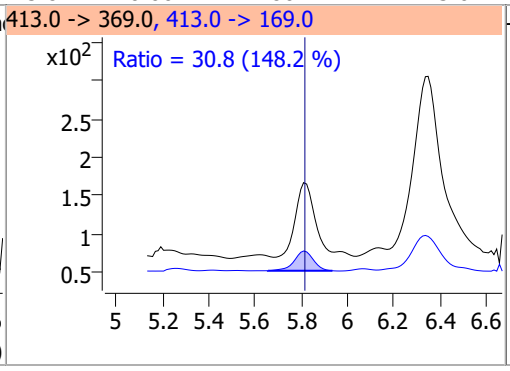


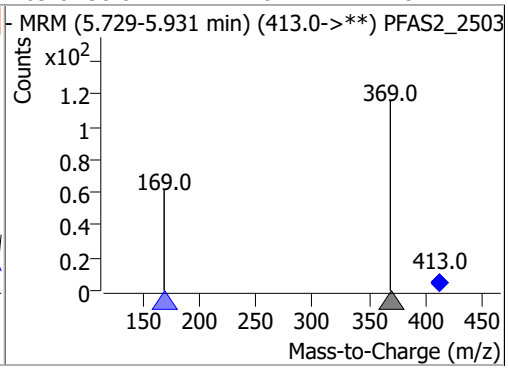
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	13682				



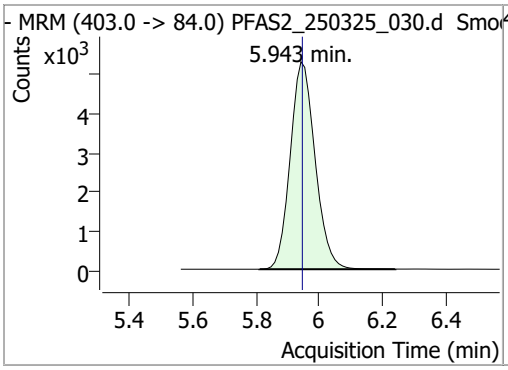
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0444	5.81	0.00	480	413.0 -> 169.0	30.8	14.6	27.0

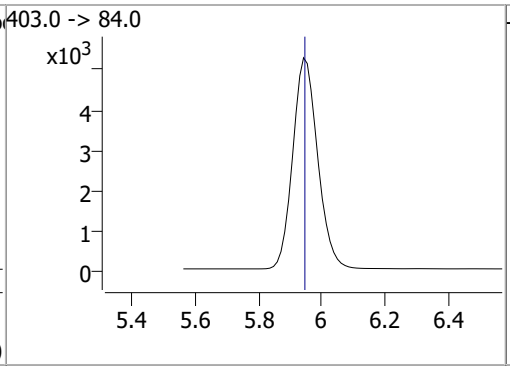


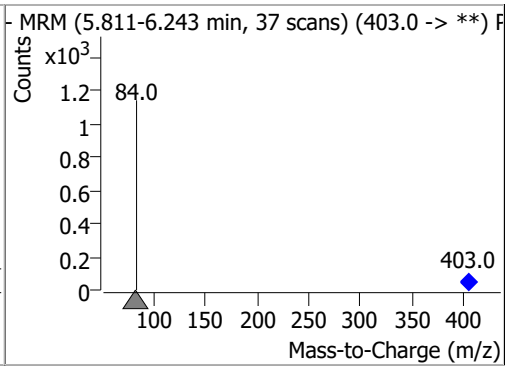




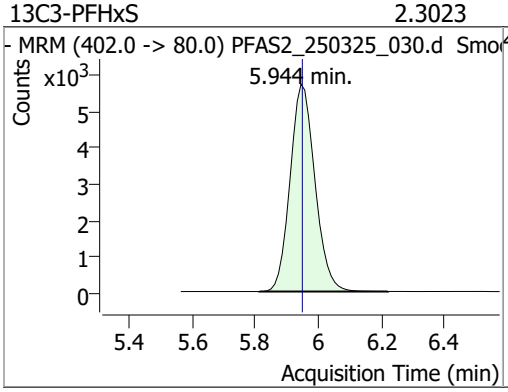
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	28779				

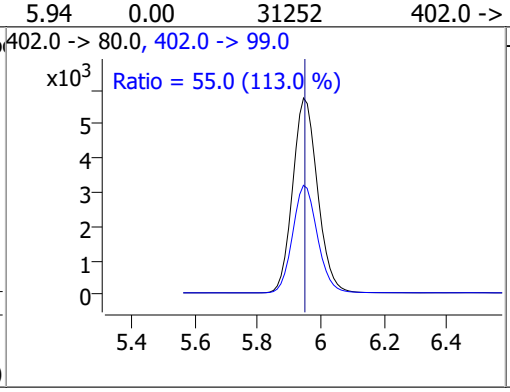


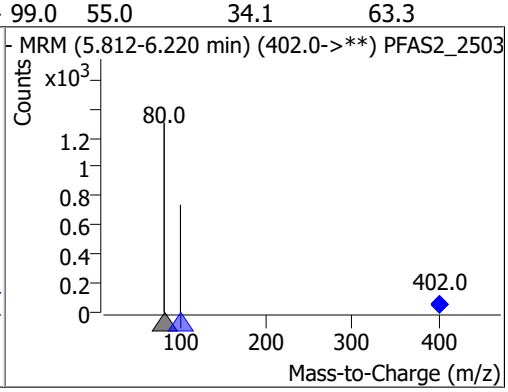




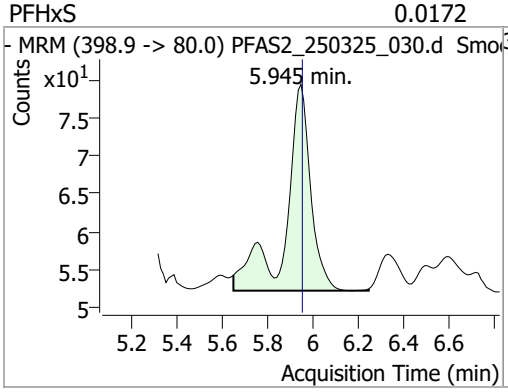
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3023	5.94	0.00	31252	402.0 -> 99.0	55.0	34.1	63.3

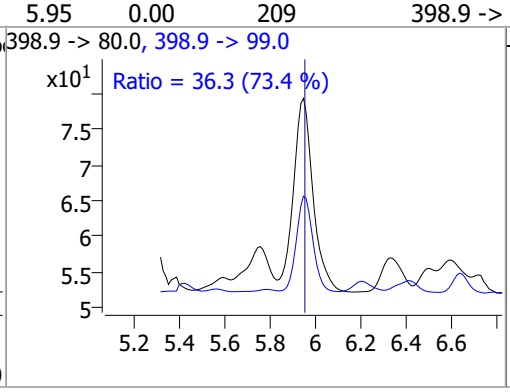


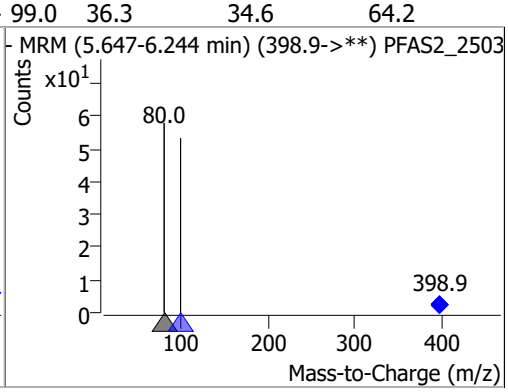




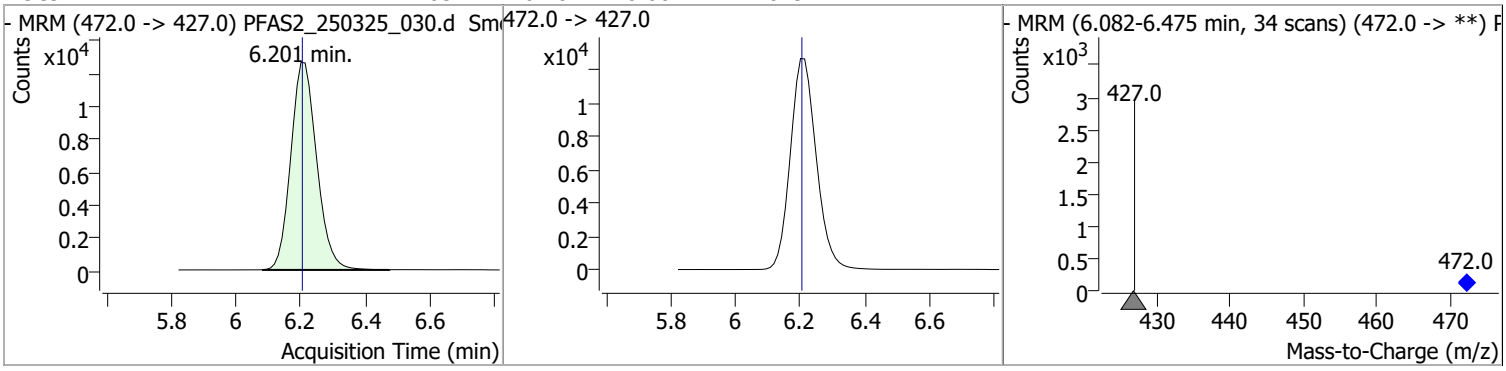
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0172	5.95	0.00	209	398.9 -> 99.0	36.3	34.6	64.2



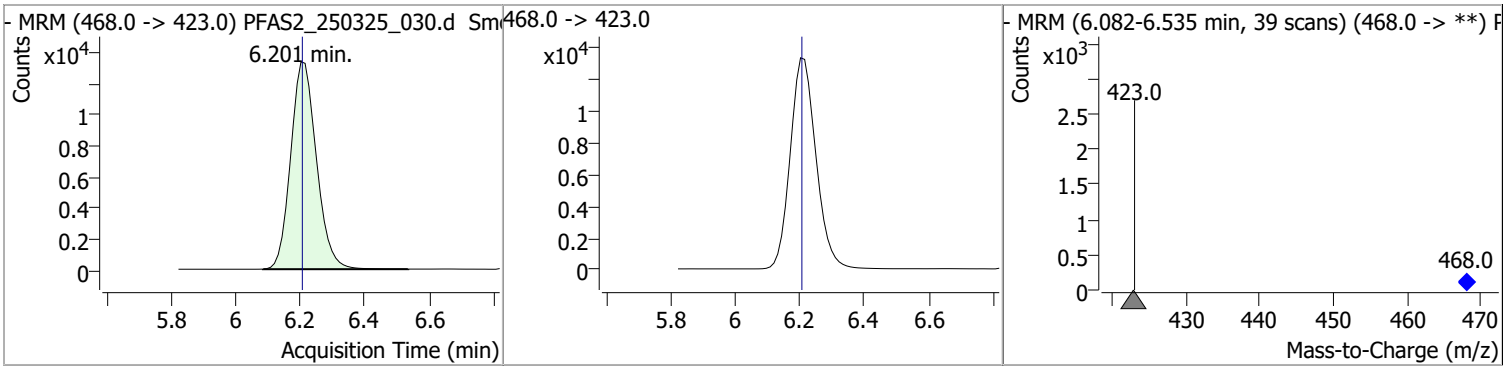




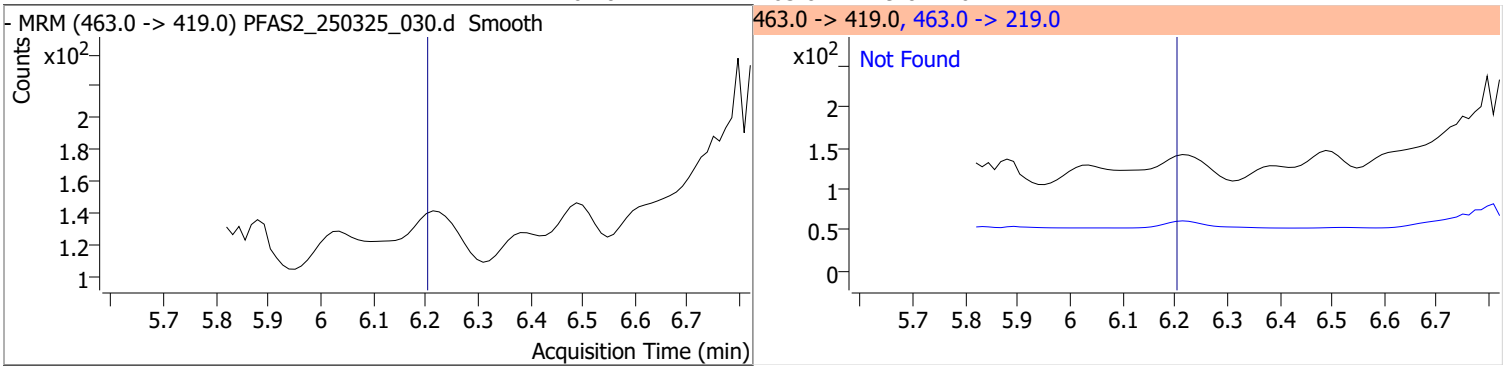
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2032	6.20	0.00	70791				



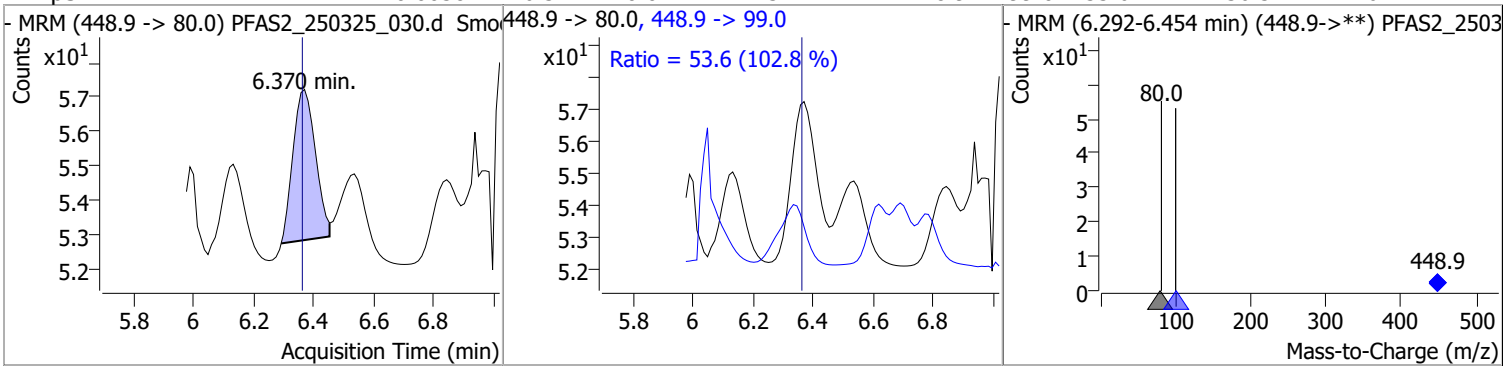
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.20	0.00	74251				



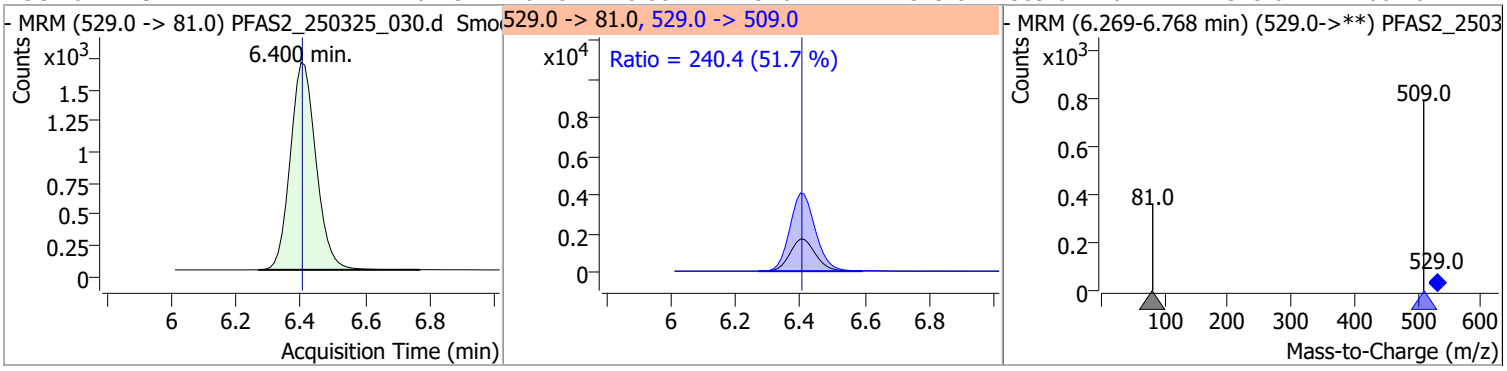
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	6.20	463.0 -> 219.0	16.1



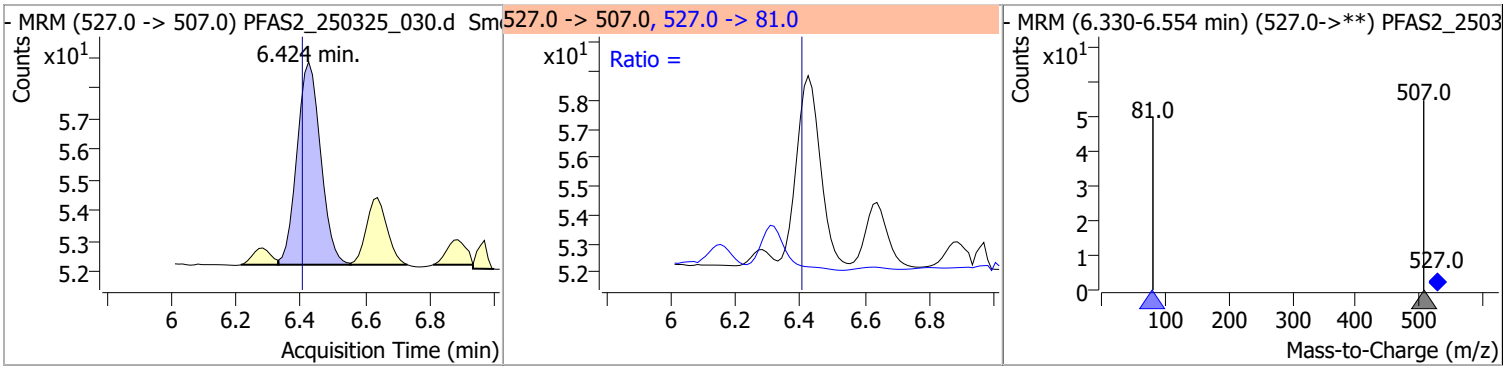
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0038	6.37	0.01	23	448.9 -> 99.0	53.6	36.5	67.7



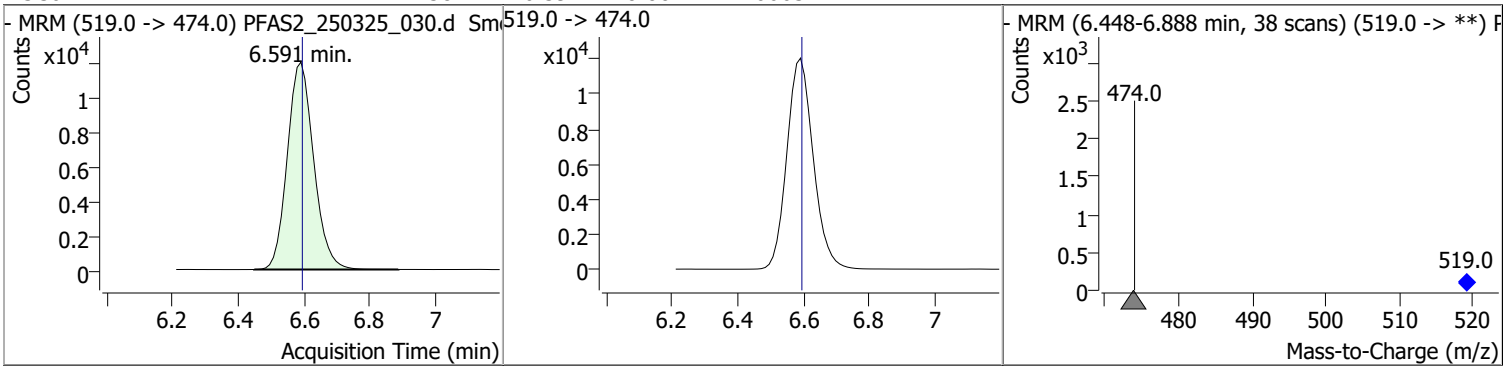
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.0219	6.40	0.00	9267	529.0 -> 509.0	240.4	325.6	604.6



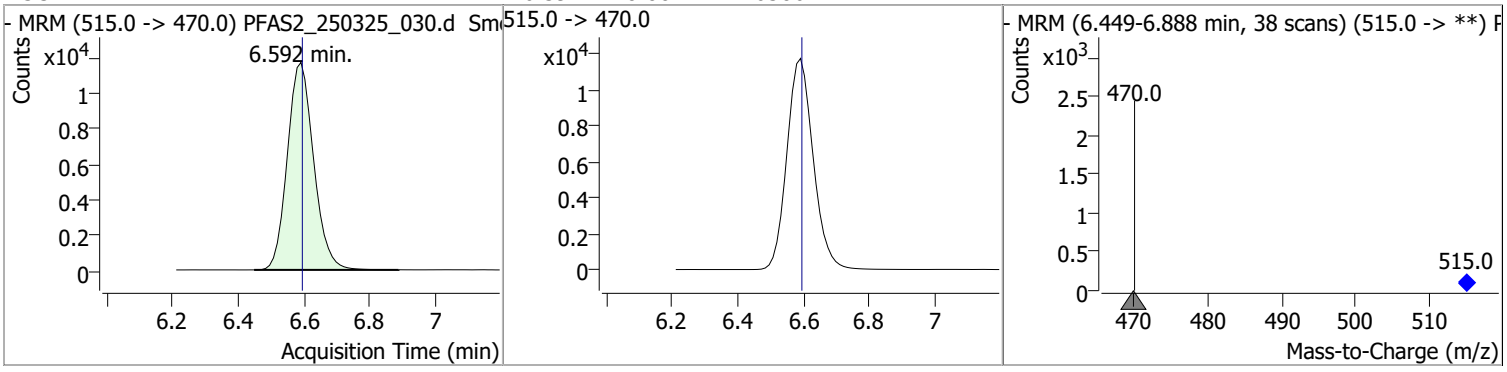
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0803	6.42	0.02	34	527.0 -> 81.0		19.7	36.6



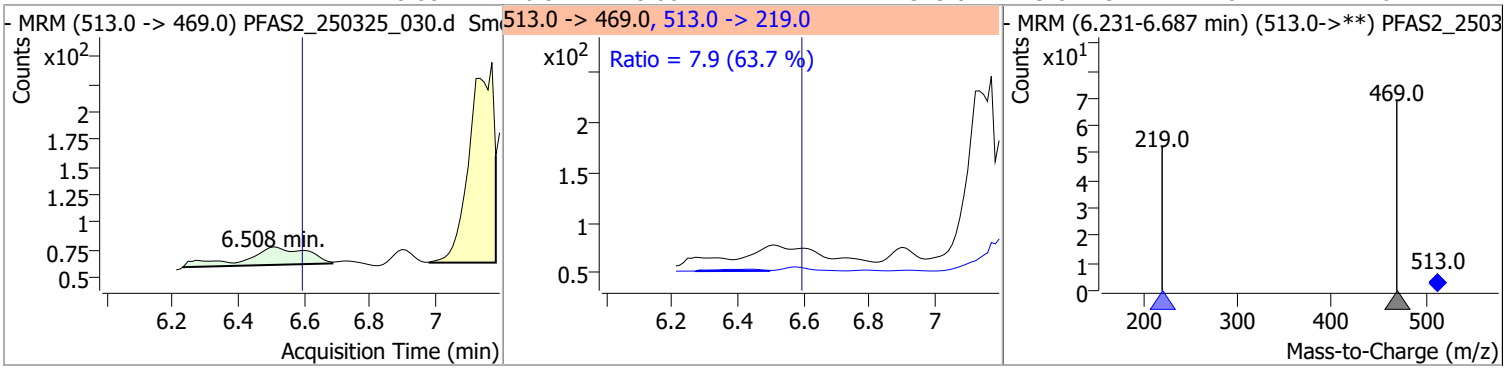
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2587	6.59	0.00	66637				



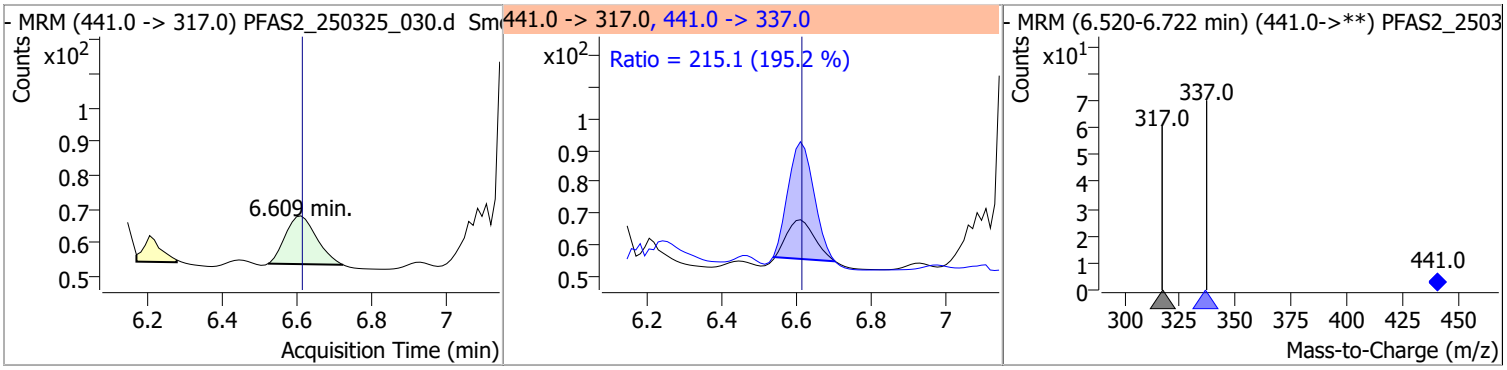
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	65062				



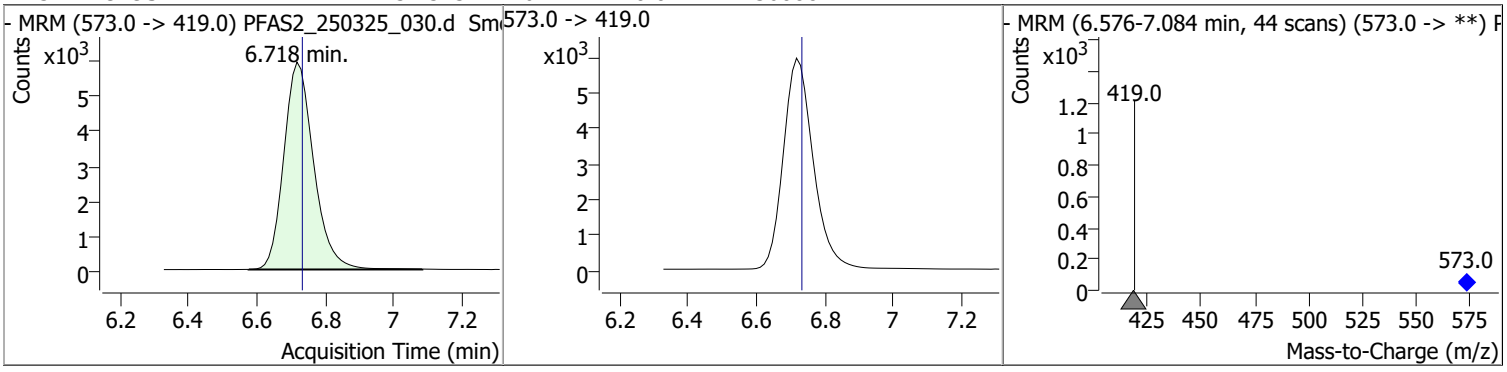
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0012	6.51	-0.08	212	513.0 -> 219.0	7.9	8.7	16.2



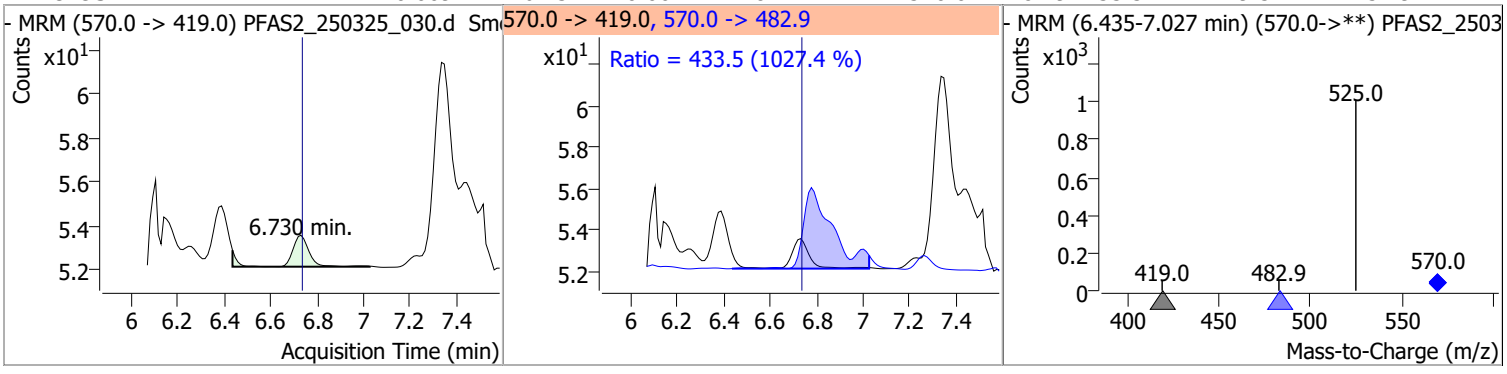
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.2803	6.61	0.00	83	441.0 -> 337.0	215.1	77.1	143.3



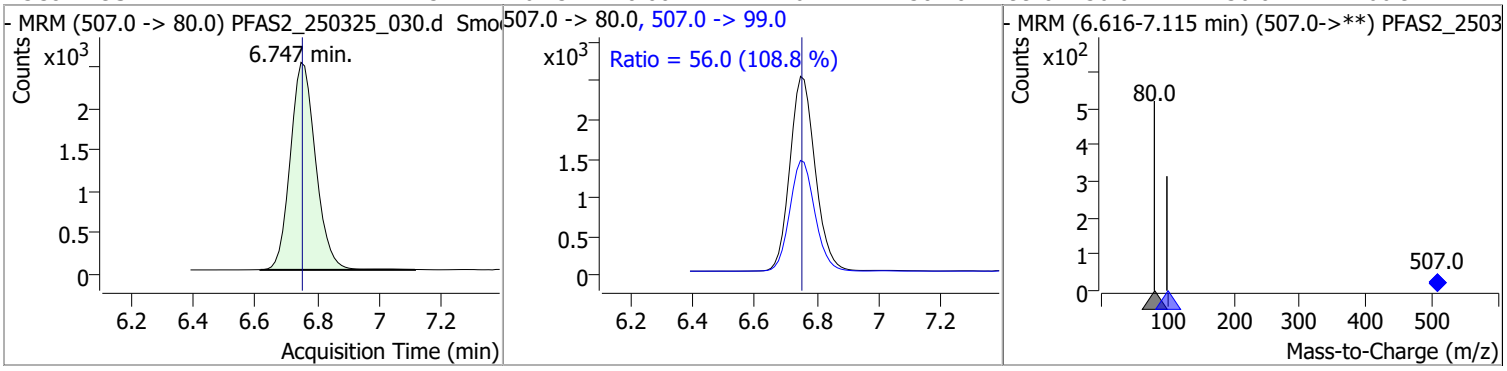
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1573	6.72	-0.01	36088				



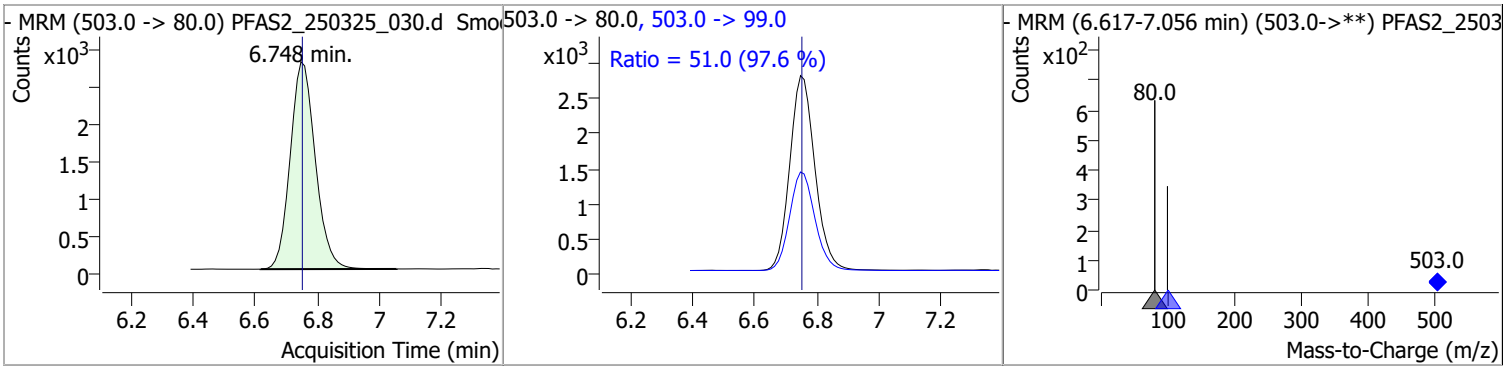
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0094	6.73	0.00	8	570.0 -> 482.9	433.5	29.5	54.9



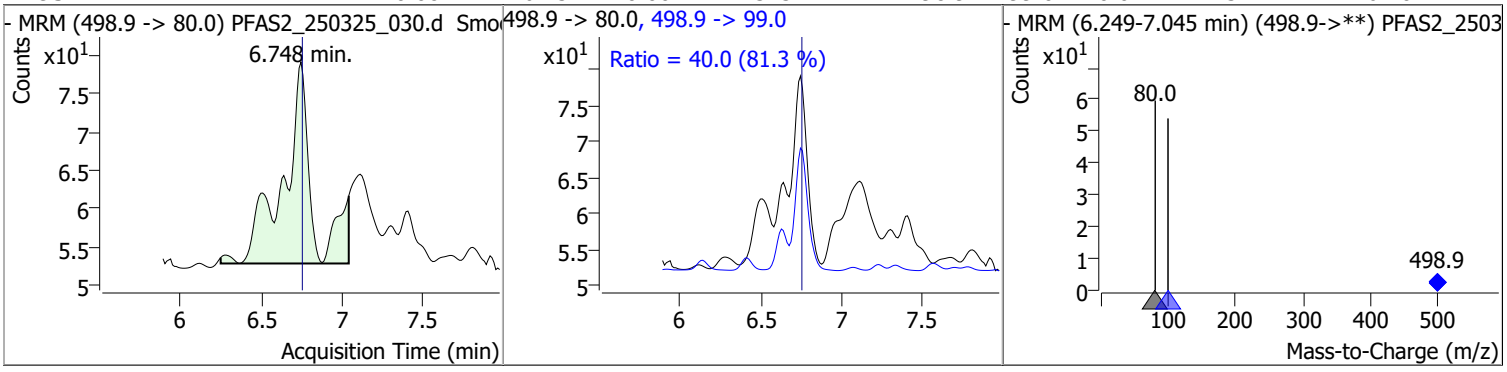
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.2541	6.75	0.00	14267	507.0 -> 99.0	56.0	36.0	66.9



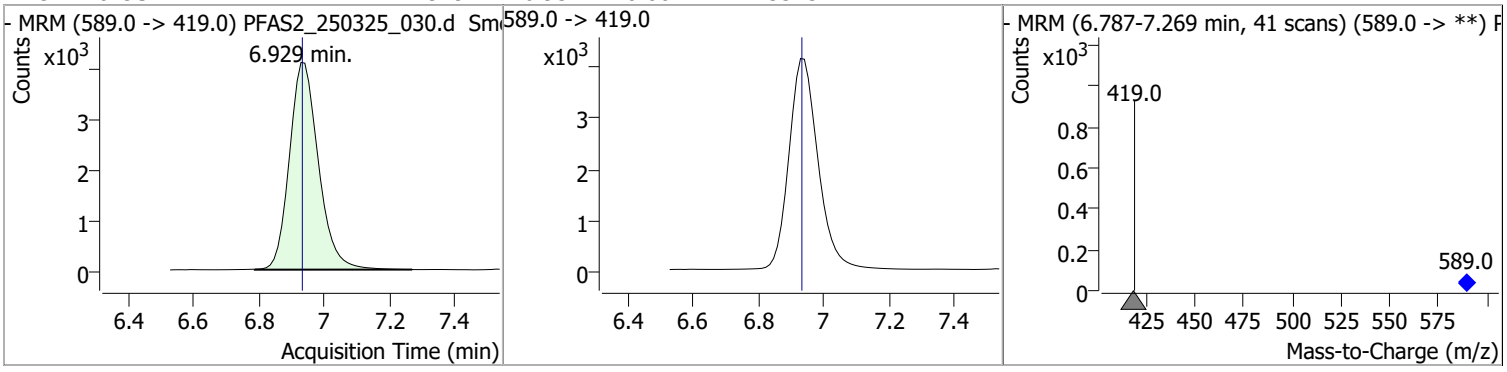
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.75	0.00	15595	503.0 -> 99.0	51.0	36.6	67.9



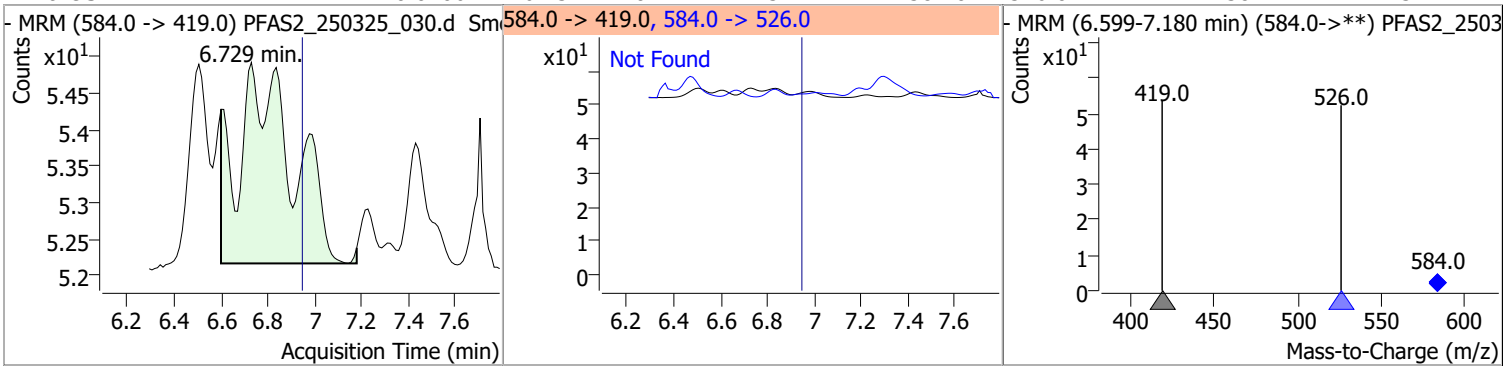
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0877	6.75	0.00	325	498.9 -> 99.0	40.0	34.4	64.0



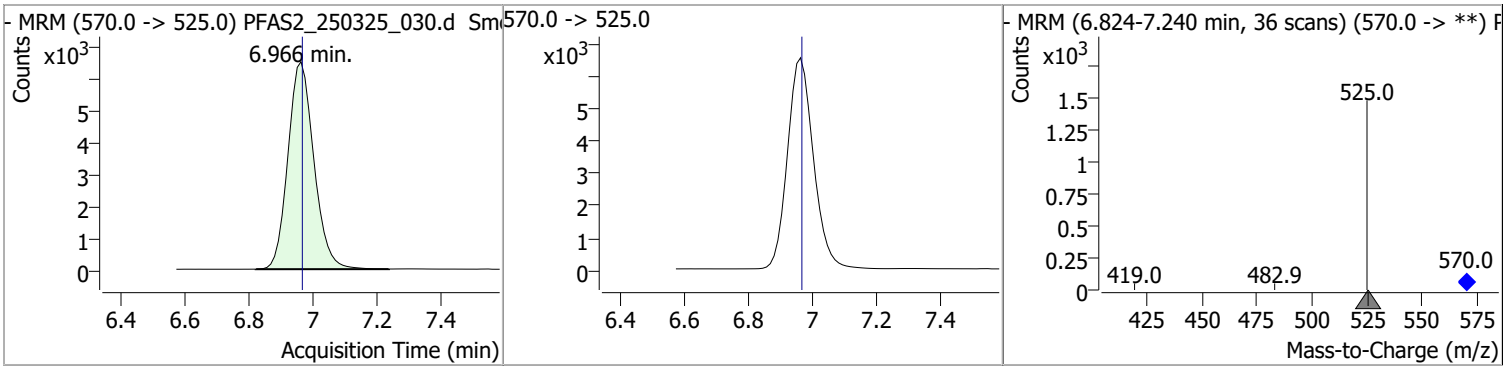
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7919	6.93	0.00	25315				



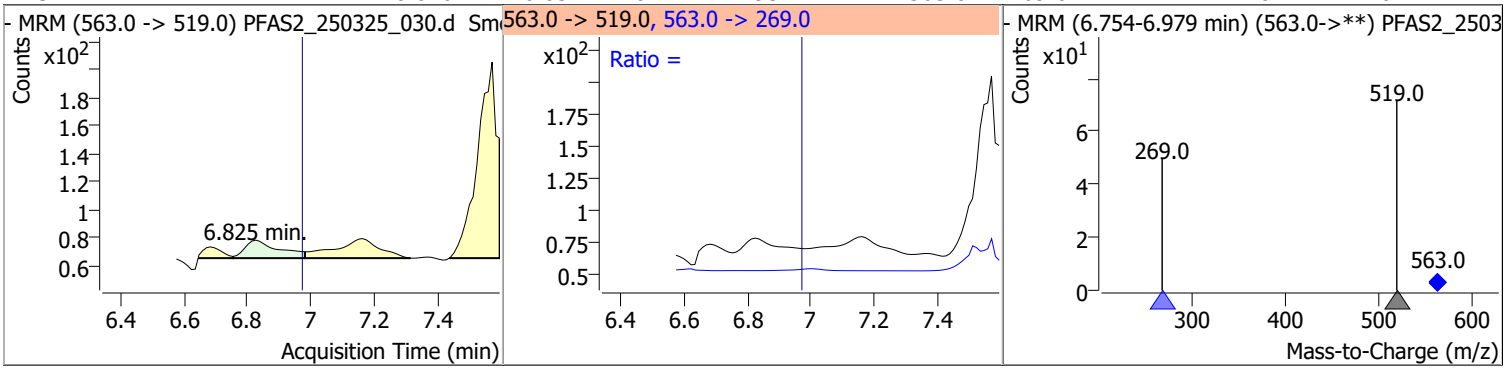
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0206	6.73	-0.21	45	584.0 -> 526.0		38.4	71.3



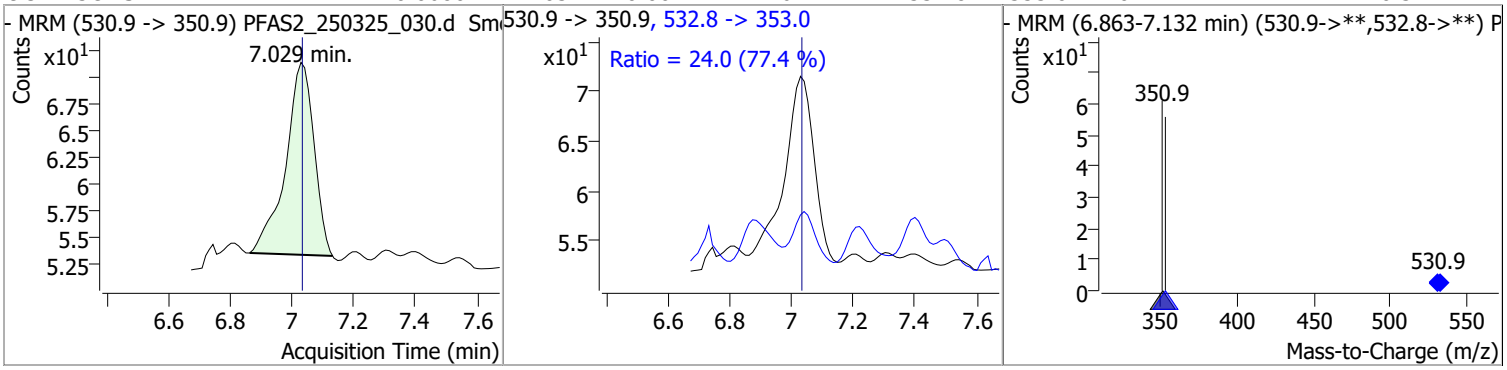
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	0.8758	6.97	0.00	36543				



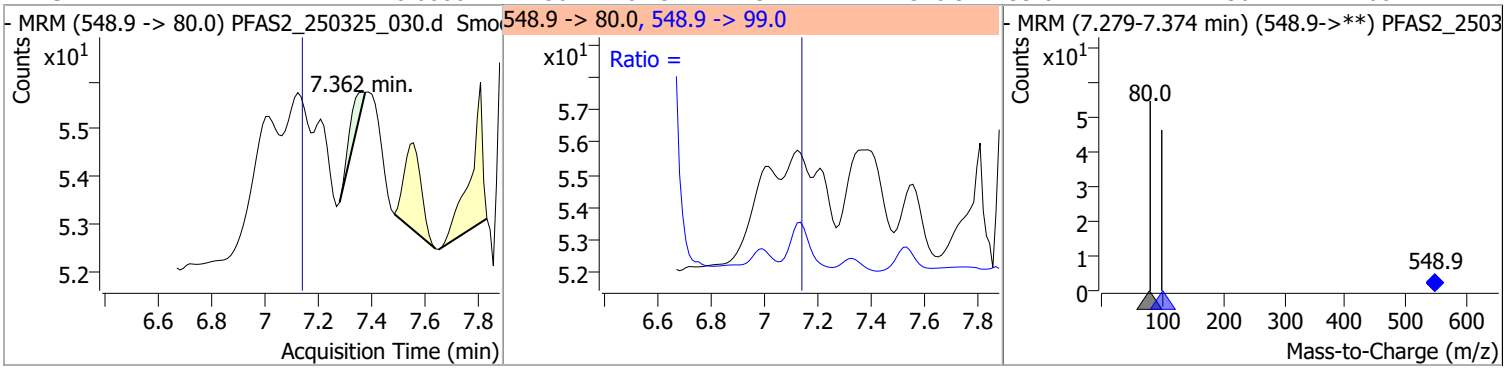
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0167	6.83	-0.14	95	563.0 -> 269.0		11.0	20.4



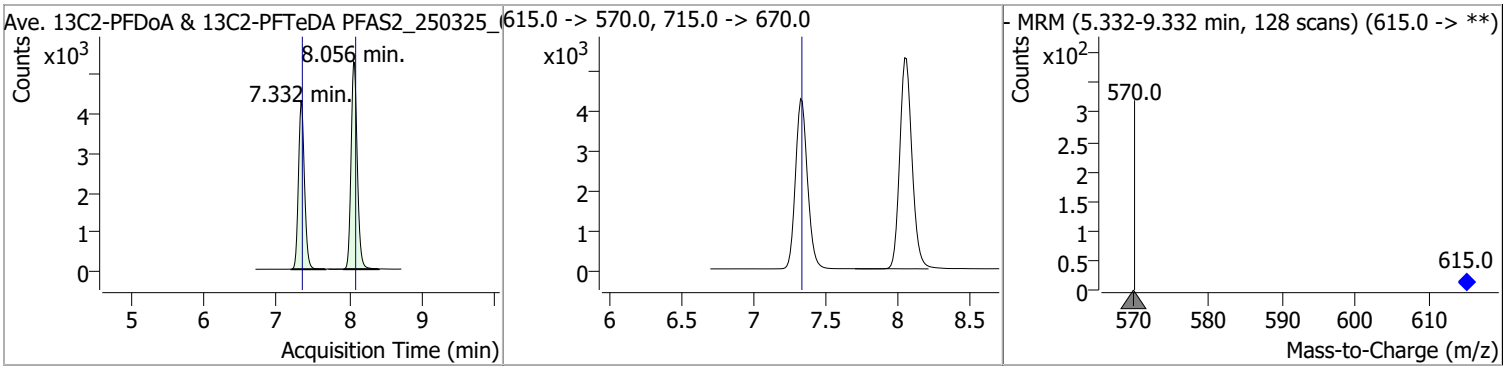
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0680	7.03	0.00	116	532.8 -> 353.0	24.0	21.7	40.3



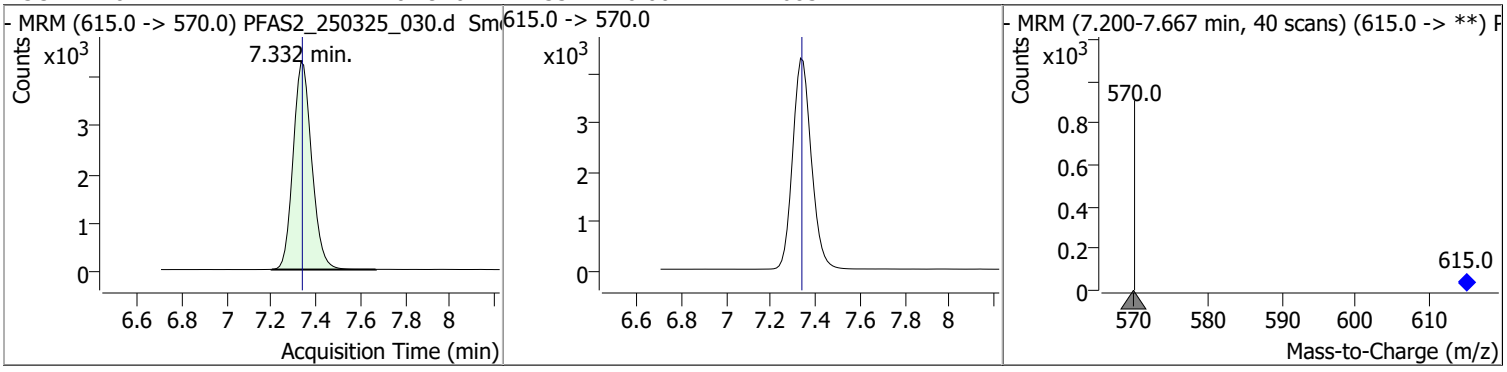
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0006	7.36	0.23	3	548.9 -> 99.0		36.7	68.1



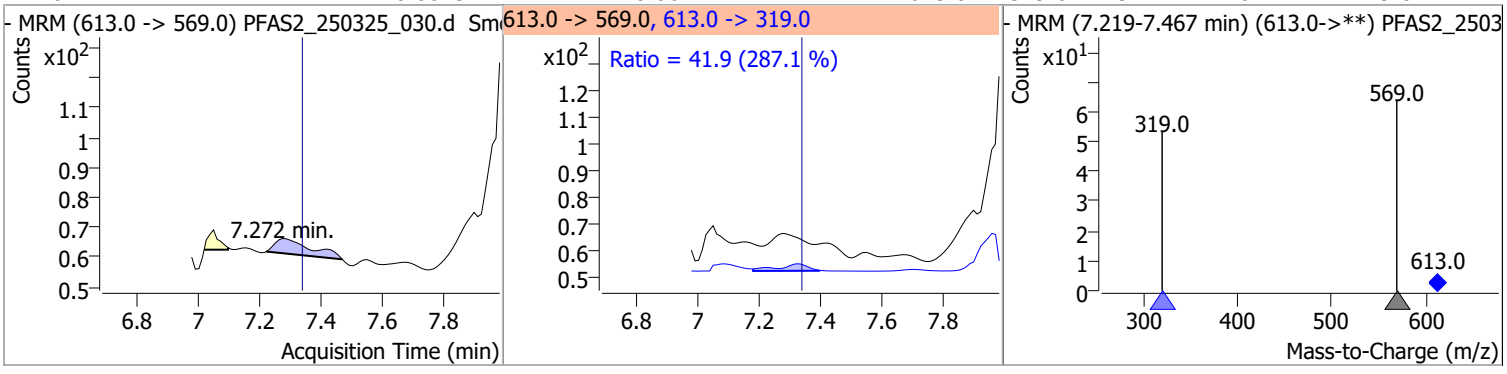
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.8154	7.69	0.36	28042				



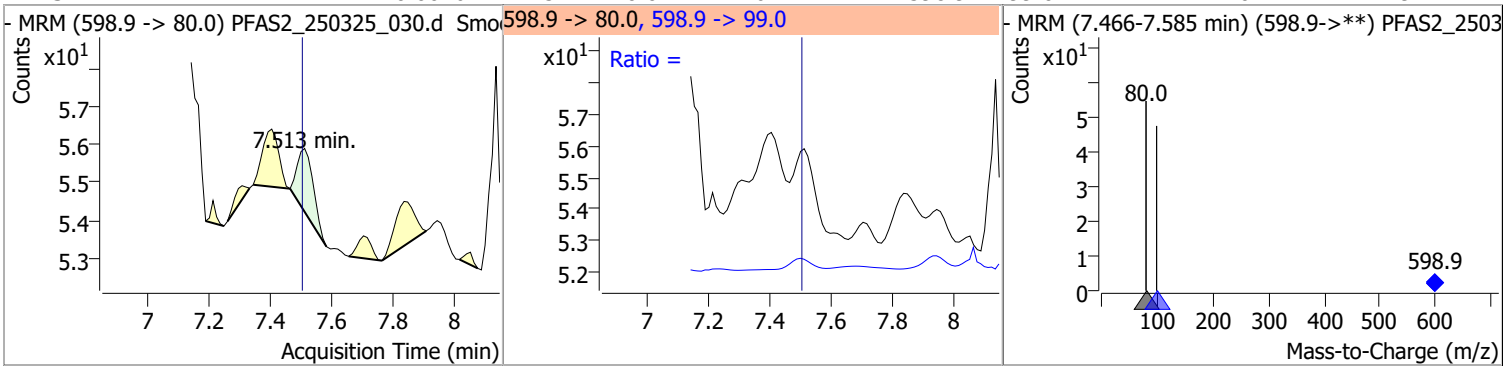
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	0.7940	7.33	0.00	24683				



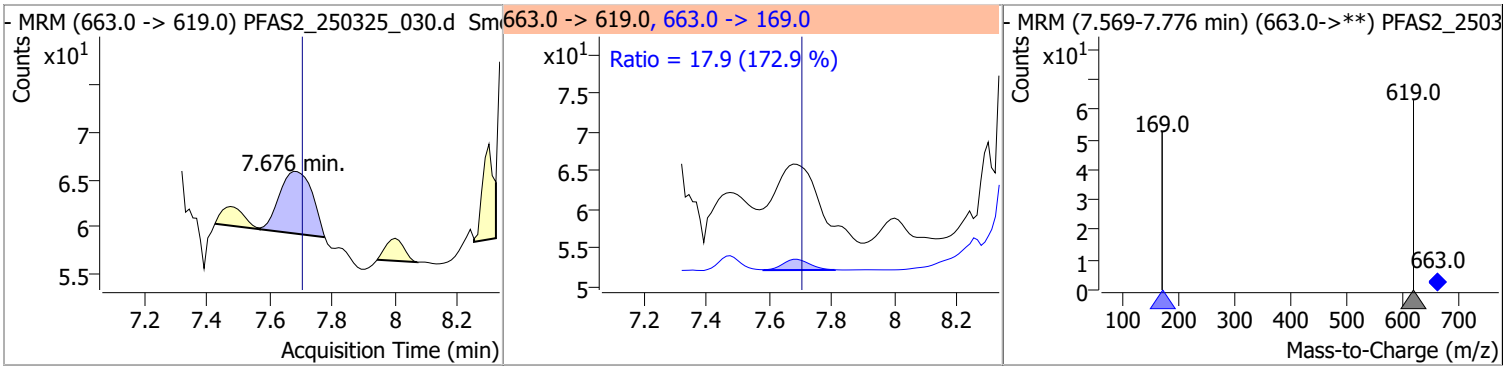
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0023	7.27	-0.06	42	613.0 -> 319.0	41.9	10.2	19.0



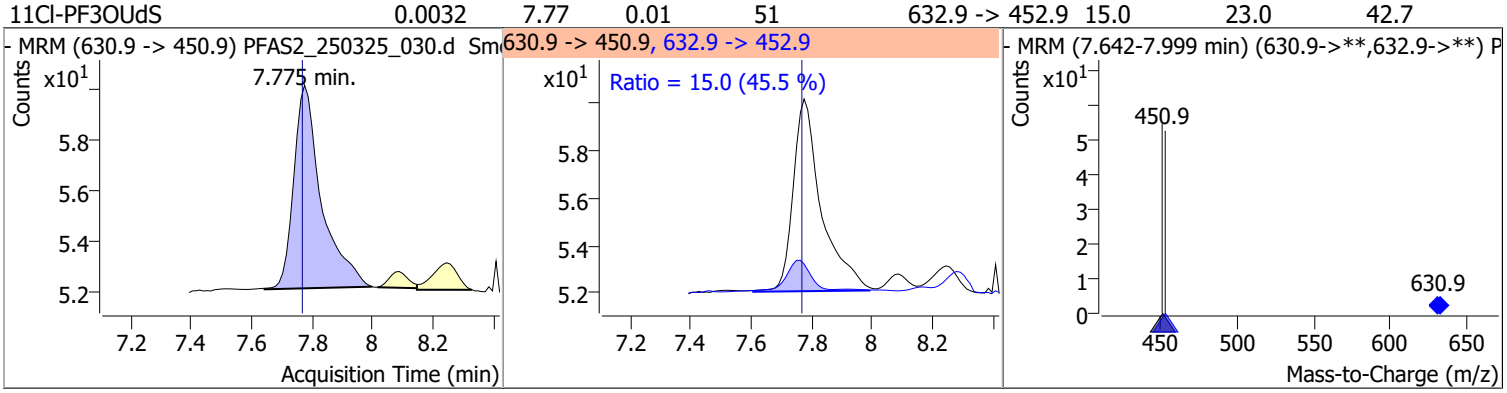
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0016	7.51	0.01	6	598.9 -> 99.0		40.4	74.9



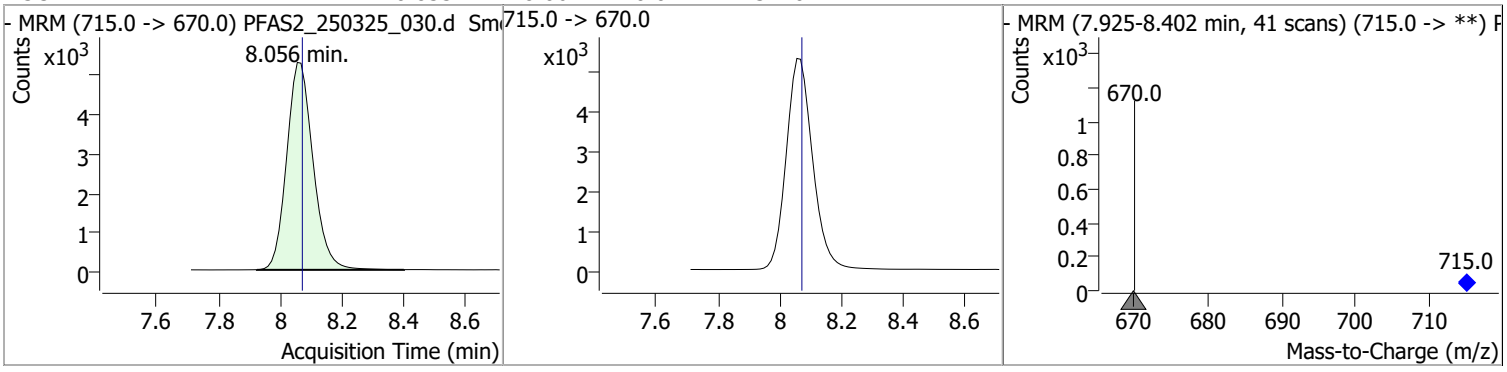
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0022	7.68	-0.02	47	663.0 -> 169.0	17.9	7.2	13.4



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0032	7.77	0.01	51	632.9 -> 452.9	15.0	23.0	42.7

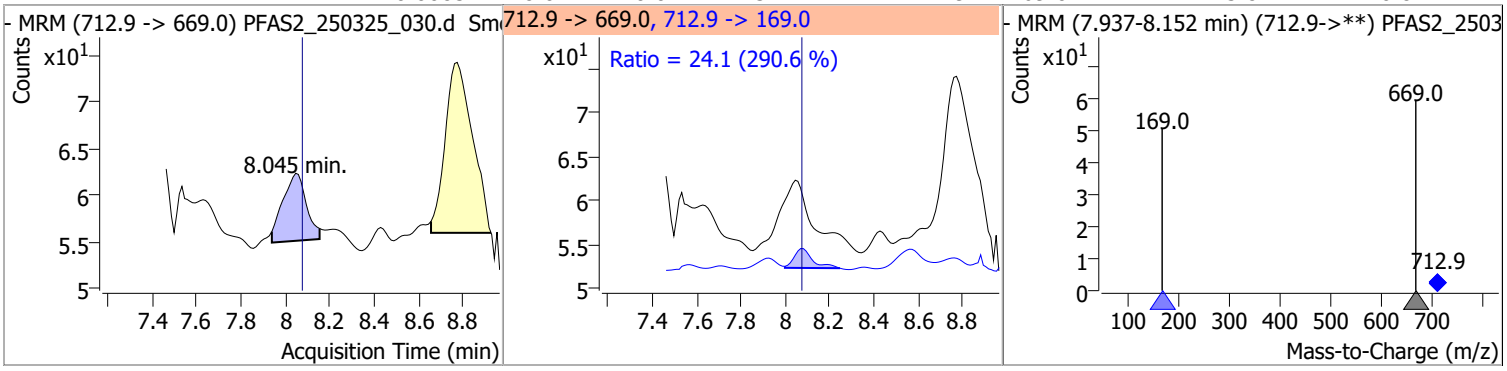


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8331	8.06	-0.01	31402				

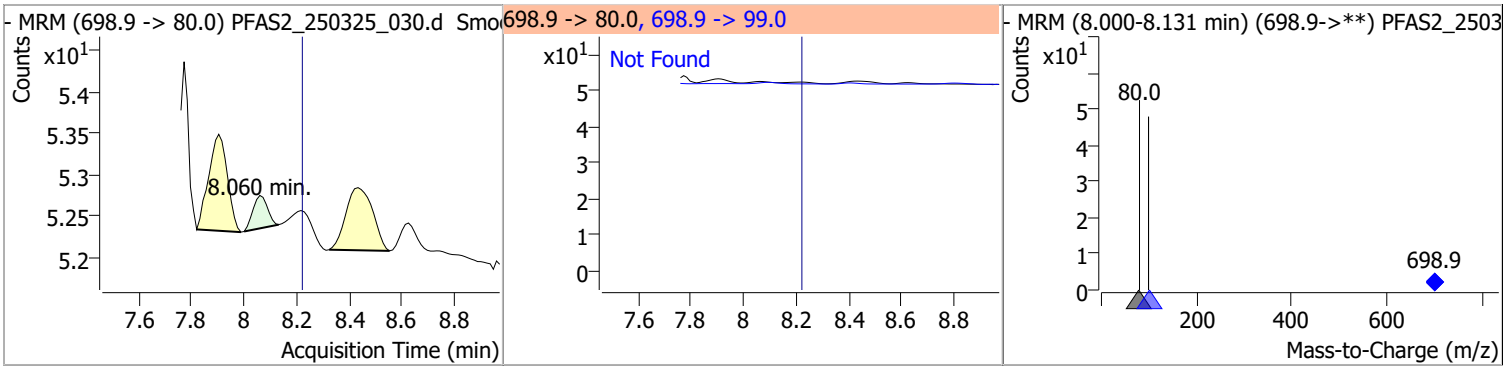


Quantitation Results Report (Not Reviewed)

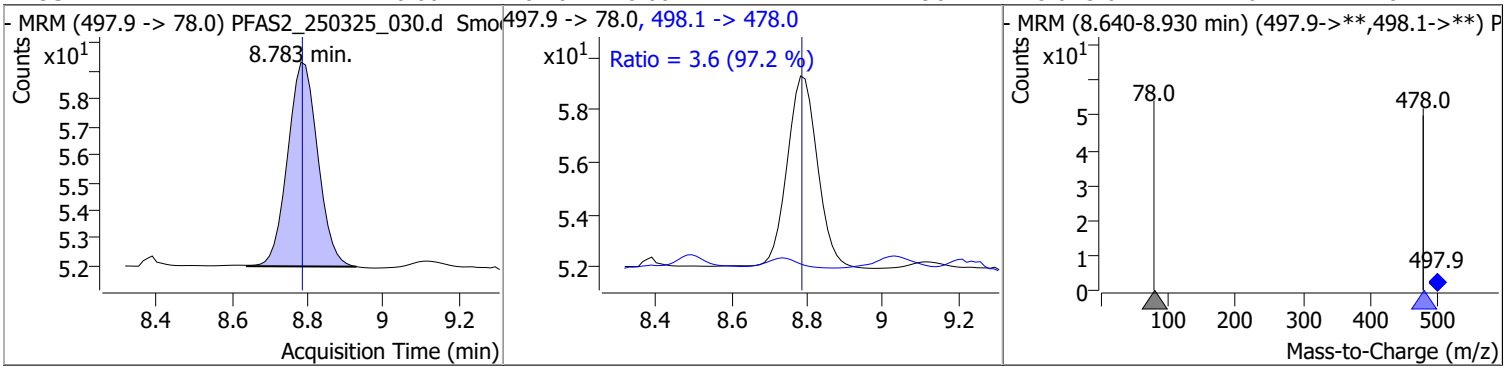
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0085	8.04	-0.02	54	712.9 -> 169.0	24.1	5.8	10.8



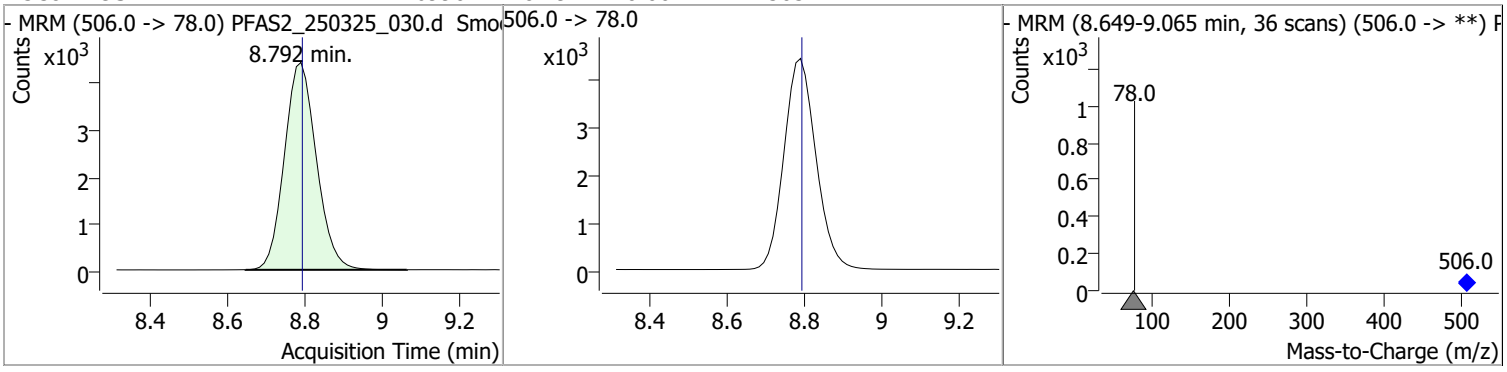
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0008	8.06	-0.16	2	698.9 -> 99.0		41.0	76.1



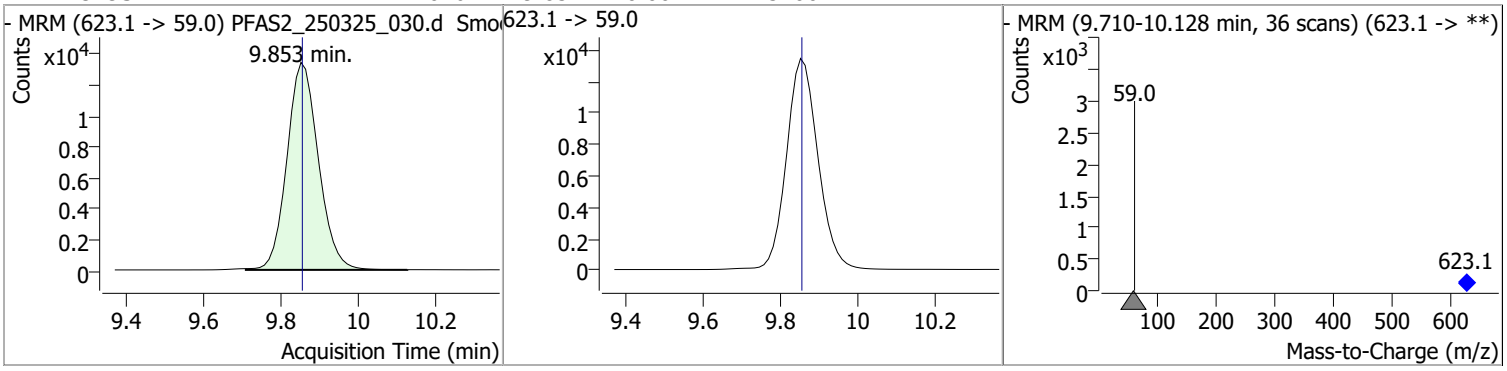
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0047	8.78	0.00	41	498.1 -> 478.0	3.6	2.6	4.8



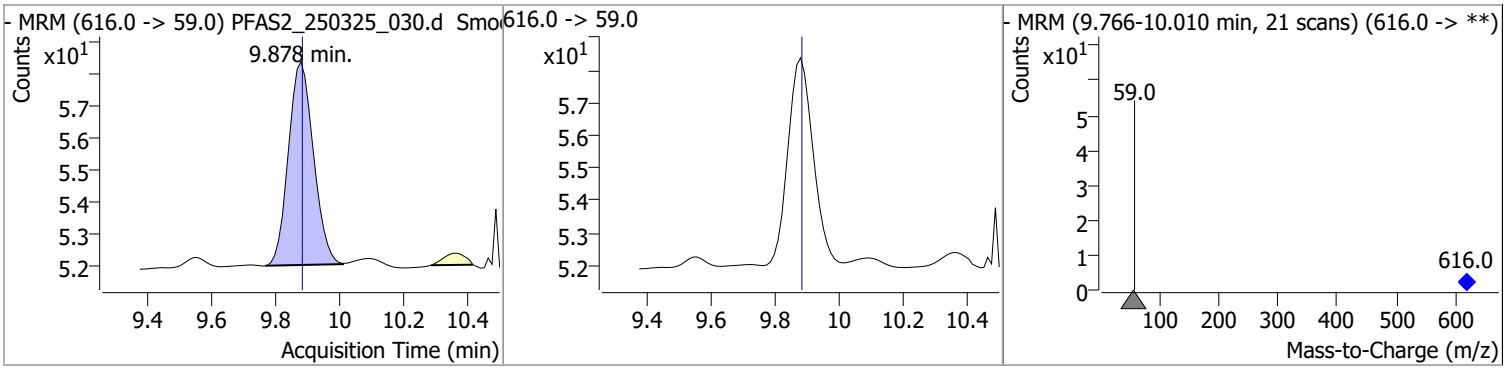
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6990	8.79	0.00	25034				



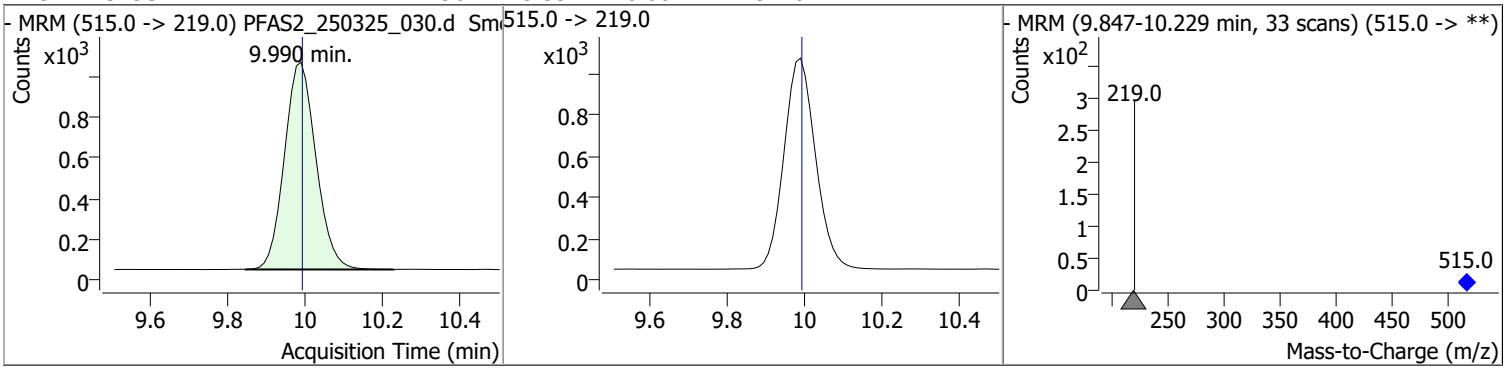
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.0764	9.85	0.00	75700				



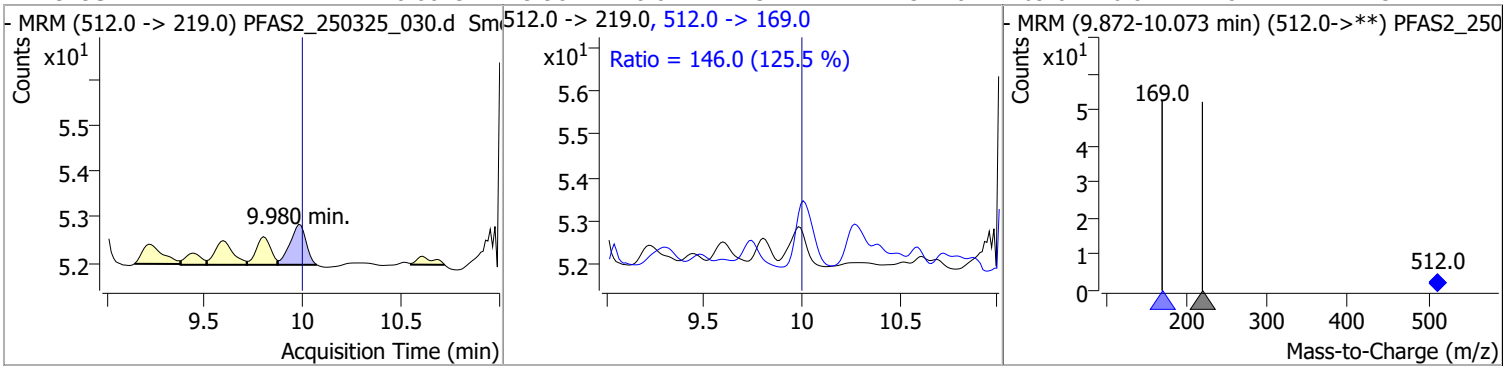
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	9.88	0.00	34				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.2196	9.99	0.00	5778				

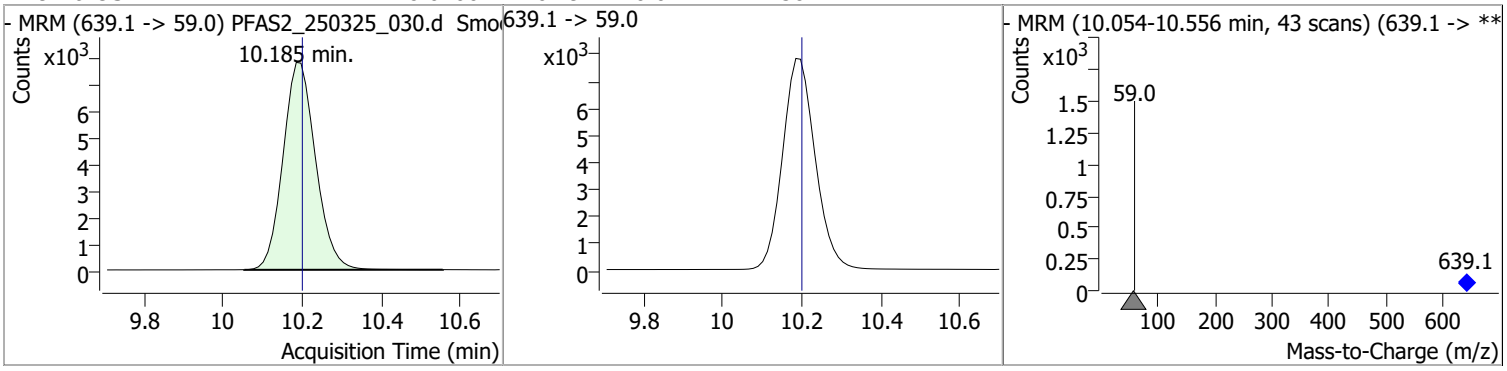


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0023	9.98	-0.01	5	512.0 -> 169.0	146.0	81.4	151.2

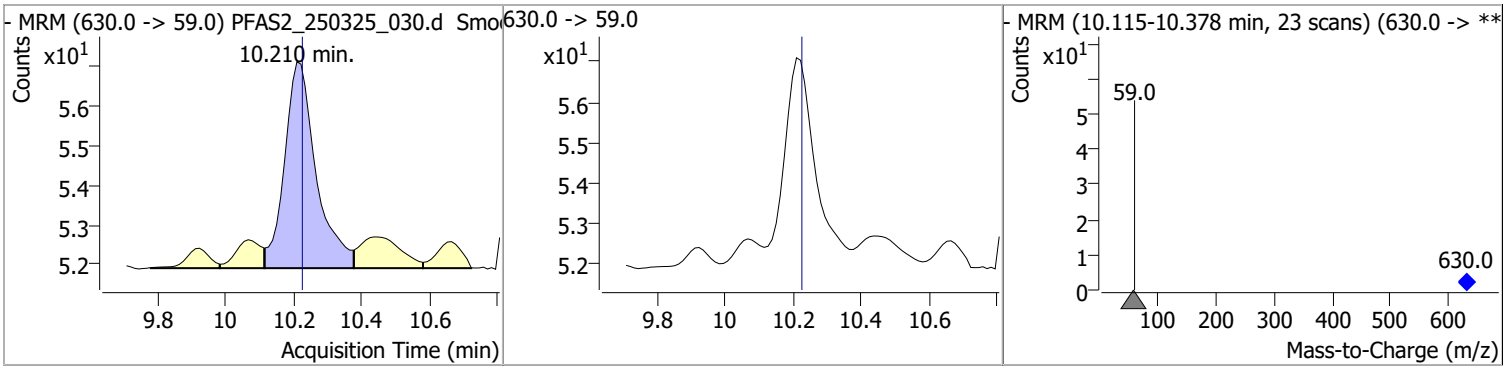


Quantitation Results Report (Not Reviewed)

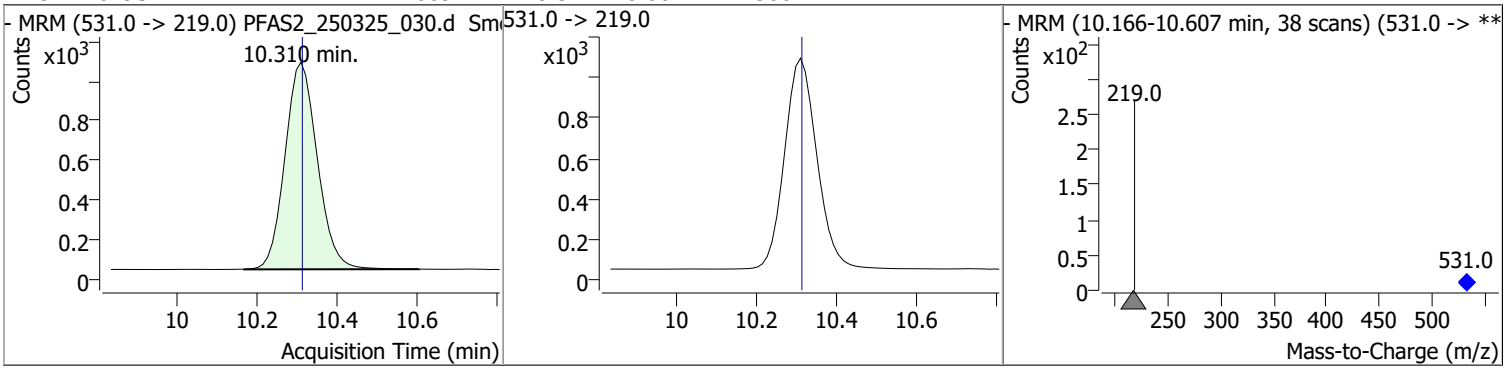
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	28.0200	10.19	-0.01	44581				



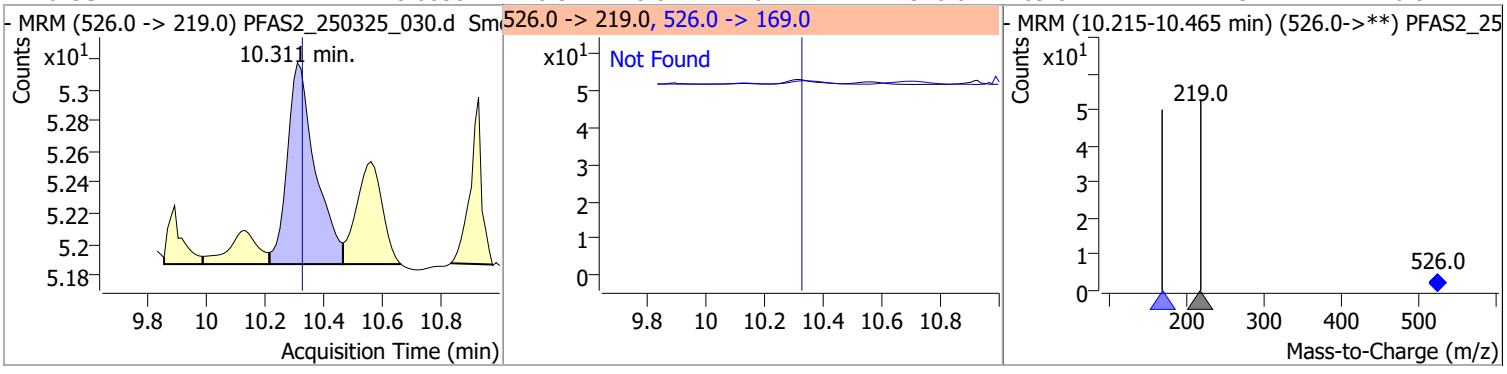
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0305	10.21	-0.01	34				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0894	10.31	0.00	5881				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0038	10.31	-0.01	9	526.0 -> 169.0		79.1	146.8



6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
PFBA	0.8	29777.5	200	23747.62	2	27561	4	25600.25	8	28720	20	27452.05
PFPeA	0.4	43296.18	100	34439.91	1	38713.46	2	37855.26	4	38263.6	10	39125.97
PFHxA	0.2	67095.45	50	56541.66	0.5	61881.04	1	59707.88	2	61357.8	5	61448.2
PFHpA	0.2	74932.85	50	62913.44	0.5	72555.42	1	70080.86	2	74931.8	5	73285.92
PFOA	0.2	69688.4	50	63429.9	0.5	64551.14	1	64059.7	2	68627.35	5	68681.1
PFNA	0.2	63385.55	50	47879.12	0.5	52108.96	1	55871.05	2	54567.8	5	55747.4
PFDA	0.2	55255.8	50	44106.68	0.5	52493.8	1	48728.88	2	51141.65	5	53239.28
PFUnA	0.2	45468.64	50	31186.12	0.5	40595.28	1	37280.37	2	40965.14	5	41563.16
PFDoA	0.2	32637.12	50	24189.4	0.5	26402.4	1	28114.69	2	28885.48	5	32567.48
PFTrDA	0.2	35651.49	50	26751.46	0.5	32761.6	1	31318.25	2	34012.85	5	36755.22
PFTeDA	0.2	30082.8	50	26317.22	0.5	28370.64	1	28100.42	2	28134.18	5	31284.78
PFBS	0.177	28924.9	44.3	21088.26	0.442	26745.95	0.885	25560.06	1.77	26813.68	4.42	26776.72
PFPeS	0.188	21454.03	47	17588.98	0.47	19737	0.94	18540.02	1.88	20786.9	4.7	20621.36
PFHxS	0.183	14944.88	45.7	12389.61	0.457	15047.23	0.915	14415.06	1.83	14171.08	4.58	13768.16
PFHpS	0.191	12160.22	47.7	8880.318	0.477	10559.7	0.955	10062.67	1.91	10373.2	4.78	10790.9
PFOS	0.186	11429.06	46.5	8716.402	0.465	9654.243	0.93	9385.029	1.86	10126.43	4.65	10208.56
PFNS	0.192	10072.92	48	7607.979	0.48	8216.667	0.96	8436.459	1.92	9268.75	4.8	9385.416
PFDS	0.193	7212.435	48.3	5778.116	0.483	6641.822	0.965	6687.047	1.93	6402.591	4.83	7231.056
PFDoS	0.194	5041.237	48.5	2874.433	0.485	4791.752	0.97	4517.526	1.94	4395.361	4.85	4973.814
4:2FTS	0.75	19638.87	188	10669.86	1.87	18210.45	3.75	17031.61	7.5	16471.59	18.8	16365.04
6:2FTS	.760000	11710.04	190	7552.748	1.9	10465.45	3.8	10339.24	7.6	10385.67	19	10676.8
8:2FTS	0.768	6396.161	192	4075.269	1.92	5390.552	3.84	4768.287	7.68	4643.534	19.2	5553
PFOSA	0.2	13639.4	50	11589.55	0.5	12809.94	1	12242.64	2	13541.56	5	12826.69
NMeFOSA	0.2	4167.844	50	3677.456	0.5	3926.868	1	3181.972	2	4265.336	5	4045.234
NEtFOSA	0.2	4742.604	50	3580.428	0.5	4699.874	1	4273.512	2	4968.501	5	4314.188
NMeFOSAA	0.2	10372.67	50	9046.644	0.5	9605.58	1	9106.158	2	9418.21	5	9998.044
NEtFOSAA	0.2	8088.355	50	7040.974	0.5	8042.024	1	7383.298	2	7437.855	5	7909.94
NMeFOSE	2	4414.37	500	2947.582	5	3986.62	10	3998.233	20	4327.623	50	3976.384
NEtFOSE	2	2496.212	500	1871.482	5	2468.17	10	2244.848	20	2534.156	50	2267.106
HFPO-DA	0.4	16774.11	100	14501.43	1	16127.34	2	16244.56	4	16884.32	10	16637.99

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
ADONA	0.378	107100.6	94.5	91309.47	0.945	100853.3	1.89	95933.81	3.78	100552.7	9.45	102157.3
9CL-PF3ONS	0.374	54389.17	93.5	42003.84	0.935	53886.34	1.87	48746.13	3.74	53052.38	9.35	57924.13
11CL-PF3OUdS	0.378	25478.67	94.5	19253.95	0.945	23304.39	1.89	22920.99	3.78	24267.89	9.45	28344.35
3:3FTCA	0.8	747.4722	200	693.32	2	717.8395	4	749.5557	8	748.3143	20	713.6195
5:3FTCA	4	5085.365	1000	4587.773	10	4283.269	20	4708.795	40	4864.02	100	4860.265
7:3FTCA	4	3977.958	1000	3663.404	10	3586.245	20	3234.483	40	3327.718	100	3847.802
PFEESA	0.356	91652.3	89	63194.61	0.89	84088.57	1.78	73553.03	3.56	84316.24	8.9	86051
PFMPA	0.4	21208.7	100	17795.7	1	19743.57	2	19050.94	4	20405.68	10	19597.82
PFMBA	0.4	32196.9	100	26060.14	1	29151.43	2	28771.54	4	30046.07	10	28429.23
NFDHA	0.4	1382.343	100	1044.88	1	1108.585	2	1429.741	4	1467.594	10	1303.464
13C4-PFBA	10	1.125714	10	1.149267	10	1.144226	10	1.162508	10	1.125153	10	1.142918
13C5-PFPeA	5	0.6749038	5	0.6514382	5	0.6884759	5	0.6993757	5	0.6562608	5	0.7180606
13C5-PFHxA	2.5	1.111486	2.5	1.090752	2.5	1.111375	2.5	1.083362	2.5	1.065643	2.5	1.157437
13C4-PFHpA	2.5	1.257092	2.5	1.141714	2.5	1.235459	2.5	1.19902	2.5	1.215187	2.5	1.267452
13C8-PFOA	2.5	11.26508	2.5	11.13783	2.5	11.20218	2.5	11.65931	2.5	11.1187	2.5	11.28138
13C9-PFNA	1.25	0.9784566	1.25	0.9854495	1.25	1.018465	1.25	1.013313	1.25	0.9674658	1.25	0.9683747
13C6-PFDA	1.25	0.9855238	1.25	1.008642	1.25	1.036741	1.25	1.127679	1.25	0.9919369	1.25	1.058027
13C7-PFUnA	1.25	0.7785001	1.25	0.7352286	1.25	0.8012812	1.25	0.8704633	1.25	0.8603914	1.25	0.8628802
13C2-PFDoA	1.25	0.581161	1.25	0.5782421	1.25	0.542741	1.25	0.5970313	1.25	0.5675387	1.25	0.644419
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.6318609	1.25	0.6754193	1.25	0.6061506	1.25	0.691195	1.25	0.6360391	1.25	0.693523
13C2-PFTeDA	1.25	0.6825606	1.25	0.7725963	1.25	0.6695601	1.25	0.7853587	1.25	0.7045394	1.25	0.7426271
13C3-PFBS	2.5	2.10324	2.5	1.961869	2.5	2.170035	2.5	2.087163	2.5	2.112763	2.5	2.106323
13C3-PFHxS	2.5	1.199791	2.5	1.143713	2.5	1.276872	2.5	1.147339	2.5	1.18802	2.5	1.201092
13C8-PFOS	2.5	1.023708	2.5	0.9718566	2.5	1.060432	2.5	1.03944	2.5	1.043438	2.5	1.017682
13C2-4:2FTS	5	0.4821814	5	0.3543283	5	0.5058413	5	0.4881098	5	0.4757392	5	0.4375206
13C2-6:2FTS	5	0.2665523	5	0.2387996	5	0.277523	5	0.2668692	5	0.2618025	5	0.2406448
13C2-8:2FTS	5	0.1932507	5	0.2083263	5	0.2119782	5	0.204466	5	0.195946	5	0.1946512
13C8-PFOSA	2.5	1.408432	2.5	1.527756	2.5	1.461094	2.5	1.521873	2.5	1.508759	2.5	1.437118
D3-NMeFOSA	2.5	0.3896796	2.5	0.4566342	2.5	0.4431548	2.5	0.3519996	2.5	0.4446413	2.5	0.406411
D5-NEtFOSA	2.5	0.4532432	2.5	0.4117018	2.5	0.4755672	2.5	0.4471171	2.5	0.4898637	2.5	0.4179166

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.106917	5	1.159336	5	1.120005	5	1.088371	5	1.043987	5	1.08499
D5-NEtFOSAA	5	0.829292	5	0.8290324	5	0.8312644	5	0.8250585	5	0.7888239	5	0.8449228
D7-NMeFOSE	25	0.514442	25	0.463209	25	0.5322103	25	0.5773872	25	0.5629229	25	0.4939323
D9-NEtFOSE	25	0.2586362	25	0.2548194	25	0.2665153	25	0.2669488	25	0.277844	25	0.247243
13C3-HFPO-DA	10	0.2816148	10	0.2736465	10	0.301618	10	0.2906099	10	0.2767086	10	0.286151

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
PFBA	40	28314.15	80	24743.8	120	25829.48	160	25915.89				
PFPeA	20	39375.04	40	35217.25	60	35611.54	80	37136.3				
PFHxA	10	62022.76	20	56608.9	30	58428.7	40	61526.65				
PFHpA	10	73716.58	20	68396.55	30	69570.97	40	75553.95				
PFOA	10	68113.59	20	61440.25	30	65698.34	40	67516.45				
PFNA	10	57711.02	20	51423.55	30	54452.2	40	53419.55				
PFDA	10	51374.82	20	49167.14	30	49647.63	40	51147.88				
PFUnA	10	40909.72	20	39225.82	30	39560.46	40	37585.05				
PFDoA	10	33461.64	20	29182.17	30	30639.56	40	30955.32				
PFTrDA	10	37553.66	20	33830.89	30	33503.4	40	35763.43				
PFTeDA	10	30992.29	20	29005.46	30	30611.24	40	31067.6				
PFBS	8.849999	26906.13	17.7	23560.05	26.6	23659.63	35.4	23984.1				
PFPeS	9.4	20919.18	18.8	18815.39	28.2	19772.99	37.6	19878.39				
PFHxS	9.150001	14613.12	18.3	13403.67	27.5	13734.49	36.6	14048.52				
PFHpS	9.549999	11136.51	19.1	10263.2	28.7	10223.4	38.2	9694.664				
PFOS	9.3	9943.875	18.6	9477.048	27.9	9718.452	37.2	9829.548				
PFNS	9.6	9520.416	19.2	8712.135	28.8	8538.75	38.4	8298.047				
PFDS	9.650001	7426.114	19.3	6797.979	29	6835.241	38.6	6949.767				
PFDoS	9.700001	4845.773	19.4	4664.742	29.1	4669.828	38.8	4680.31				
4:2FTS	37.5	15723.61	75	12729.26	113	12239.44	150	11557.35				
6:2FTS	38	10342.03	76	9284.057	114	8681.575	152	8527.651				
8:2FTS	38.4	5486.031	76.8	4897.147	115	4724.766	154	4577.917				
PFOSA	10	13175.38	20	12370.19	30	13064.16	40	13597.01				
NMeFOSA	10	3979.865	20	3905.123	30	3724.293	40	4063.17				
NEtFOSA	10	4756.998	20	4684.285	30	4402.443	40	4679.05				
NMeFOSAA	10	10236.35	20	9878.771	30	10171.21	40	10082.55				
NEtFOSAA	10	8526.777	20	7878.12	30	8263.181	40	8292.268				
NMeFOSE	100	3984.537	200	3322.976	300	3379.56	400	3297.292				
NEtFOSE	100	2293.518	200	2029.89	300	2141.424	400	2031.913				
HFPO-DA	20	17145.18	40	15601.93	60	15978.22	80	15951.36				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
ADONA	18.9	103438	37.8	97538.34	56.7	98851.09	75.6	101481.8				
9CL-PF3ONS	18.7	56390.53	37.4	51761.02	56.1	48462.21	74.8	47706.78				
11CL-PF3OUdS	18.9	28570.88	37.8	27195.98	56.7	24897.53	75.6	27726.68				
3:3FTCA	40	732.6458	80	675.124	120	736.7122	160	743.8763				
5:3FTCA	200	4955.427	400	4510.83	600	4927.777	800	5179.974				
7:3FTCA	200	3722.328	400	3571.86	600	3854.87	800	3938.59				
PFEESA	17.8	86727.81	35.6	75845.34	53.4	76835.67	71.2	76496.18				
PFMPA	20	20450.43	40	17913.54	60	19036.47	80	19486.82				
PFMBA	20	29298.5	40	26360.8	60	28069.6	80	27849.95				
NFDHA	20	1223.854	40	1170.807	60	1369.994	80	1208.582				
13C4-PFBA	10	1.119378	10	1.122524	10	1.145178	10	1.125439				
13C5-PFPeA	5	0.671115	5	0.68403	5	0.6434444	5	0.655819				
13C5-PFHxA	2.5	1.088478	2.5	1.127906	2.5	1.066006	2.5	1.104965				
13C4-PFHpA	2.5	1.209618	2.5	1.307513	2.5	1.236806	2.5	1.23764				
13C8-PFOA	2.5	11.30373	2.5	10.90559	2.5	10.76926	2.5	11.15627				
13C9-PFNA	1.25	1.010857	1.25	1.01348	1.25	0.9512179	1.25	0.9979013				
13C6-PFDA	1.25	0.9994025	1.25	0.9745163	1.25	1.012766	1.25	0.9764978				
13C7-PFUnA	1.25	0.7850002	1.25	0.7629309	1.25	0.8033431	1.25	0.7563239				
13C2-PFDoA	1.25	0.6101419	1.25	0.6182893	1.25	0.6031438	1.25	0.6296986				
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.6392418	1.25	0.670056	1.25	0.6754943	1.25	0.6883056				
13C2-PFTeDA	1.25	0.6683413	1.25	0.7218226	1.25	0.7478445	1.25	0.7469123				
13C3-PFBS	2.5	2.052107	2.5	2.021398	2.5	1.9579	2.5	1.89941				
13C3-PFHxS	2.5	1.17103	2.5	1.171271	2.5	1.207986	2.5	1.084573				
13C8-PFOS	2.5	0.9931759	2.5	0.9952067	2.5	1.013651	2.5	0.987779				
13C2-4:2FTS	5	0.4012656	5	0.3754766	5	0.3731871	5	0.3524941				
13C2-6:2FTS	5	0.2381451	5	0.243204	5	0.2376737	5	0.2182569				
13C2-8:2FTS	5	0.1989248	5	0.1974004	5	0.2041418	5	0.1924382				
13C8-PFOSA	2.5	1.416984	2.5	1.443815	2.5	1.535033	2.5	1.607584				
D3-NMeFOSA	2.5	0.3984051	2.5	0.4174273	2.5	0.4122524	2.5	0.4520717				
D5-NEtFOSA	2.5	0.4386606	2.5	0.4613722	2.5	0.4402236	2.5	0.4762817				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25C0608

Project: Salt Lake City VA PFAS

Calibration: OC250106 Instrument: PFAS2

Calibration Date: 3/18/2025 1:59:00PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.107706	5	1.132269	5	1.156092	5	1.217651				
D5-NEtFOSAA	5	0.8522075	5	0.8341936	5	0.8829222	5	0.9510934				
D7-NMeFOSE	25	0.4927904	25	0.4730687	25	0.4623676	25	0.4678908				
D9-NEtFOSE	25	0.2428614	25	0.2418523	25	0.2468054	25	0.2470121				
13C3-HFPO-DA	10	0.2872069	10	0.2942061	10	0.2793269	10	0.2768549				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
PFBA	AVG	26766.18	7.104602					
PFPeA	AVG	37903.45	6.731158					
PFHxA	AVG	60661.9	5.092385					
PFHpA	AVG	71593.83	5.473868					
PFOA	AVG	66180.62	4.13765					
PFNA	AVG	54656.62	7.534963					
PFDA	AVG	50630.36	5.963171					
PFUnA	AVG	39433.98	9.37332					
PFDoA	AVG	29703.53	9.920189					
PFTrDA	AVG	33790.23	9.209597					
PFTeDA	AVG	29396.67	5.648047					
PFBS	AVG	25401.95	9.037841					
PFPeS	AVG	19811.42	6.087903					
PFHxS	AVG	14053.58	5.619868					
PFHpS	AVG	10414.48	8.339258					
PFOS	AVG	9848.864	7.10235					
PFNS	AVG	8805.753	8.398944					
PFDS	AVG	6796.217	6.955894					
PFDoS	AVG	4545.478	13.60842					
4:2FTS	AVG	15063.71	20.2621					
6:2FTS	AVG	9796.525	12.71913					
8:2FTS	AVG	5051.267	13.06179					
PFOSA	AVG	12885.65	5.166175					
NMeFOSA	AVG	3893.716	7.918626					
NEtFOSA	AVG	4510.188	8.71433					
NMeFOSAA	AVG	9791.619	4.83021					
NEtFOSAA	AVG	7886.28	5.904393					
NMeFOSE	AVG	3763.518	13.03345					
NEtFOSE	AVG	2237.872	9.889047					
HFPO-DA	AVG	16184.64	4.715167					
ADONA	AVG	99921.64	4.343046					

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
9CL-PF3ONS	AVG	51432.26	9.234815					
11CL-PF3OUdS	AVG	25196.13	11.59364					
3:3FTCA	AVG	725.848	3.517856					
5:3FTCA	AVG	4796.349	5.721988					
7:3FTCA	AVG	3672.526	6.78585					
PFEESA	AVG	79876.08	10.36065					
PFMPA	AVG	19468.96	5.558829					
PFMBA	AVG	28623.42	6.182315					
NFDHA	AVG	1270.984	11.15054					
13C4-PFBA	AVG	1.13623	1.269001					
13C5-PFPeA	AVG	0.6742923	3.492589					
13C5-PFHxA	AVG	1.100741	2.567226					
13C4-PFHpA	AVG	1.23075	3.599297					
13C8-PFOA	AVG	11.17993	2.135622					
13C9-PFNA	AVG	0.9904981	2.38759					
13C6-PFDA	AVG	1.017173	4.609471					
13C7-PFUnA	AVG	0.8016343	5.984907					
13C2-PFDoA	AVG	0.5972407	5.113957					
AVE 13C2-PFTeDA & 13C2-PFDoA	AVG	0.6607286	4.559523					
13C2-PFTeDA	AVG	0.7242163	5.772365					
13C3-PFBS	AVG	2.047221	4.163899					
13C3-PFHxS	AVG	1.179169	4.259734					
13C8-PFOS	AVG	1.014637	2.753306					
13C2-4:2FTS	AVG	0.4246144	14.14567					
13C2-6:2FTS	AVG	0.2489471	7.338104					
13C2-8:2FTS	AVG	0.2001524	3.353207					
13C8-PFOSA	AVG	1.486845	4.271288					
D3-NMeFOSA	AVG	0.4172677	7.867906					
D5-NEtFOSA	AVG	0.4511948	5.620363					
D3-NMeFOSAA	AVG	1.121732	4.288801					
D5-NEtFOSAA	AVG	0.8468811	5.142529					

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OC250106	Instrument:	PFAS2
		Calibration Date:	3/18/2025 1:59:00PM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
D7-NMeFOSE	AVG	0.5040221	8.272759					
D9-NEtFOSE	AVG	0.2550538	4.75137					
13C3-HFPO-DA	AVG	0.2847944	3.109173					

Cal Types

AVG = Average Response Factor
LRI = Linear Regression through the intercept
QRI = Quadratic through the intercept
LR0 = Linear Regression forced through zero.
LRI1 = Linear Regression forced through the intercept with 1/x weighting (first order)
LRI2 = Linear Regression forced through the intercept with 1/x squared weighting (second order)
LRI01 = Linear Regression forced through zero with 1/x weighting (first order)
LRI02 = Linear Regression forced through zero with 1/x-squared weighting (second order)
QR0 = Quadratic forced through zero
QRI1 = Quadratic through the intercept weighted by 1/X
QRI2 = Quadratic through the intercept weighted by 1/X^2
QRI01 = Quadratic forced through zero weighted by 1/X
QRI02 = Quadratic forced through zero weighted by 1/X^2

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_003.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:19:04 PM
Sample Name	SEQ-CAL1	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

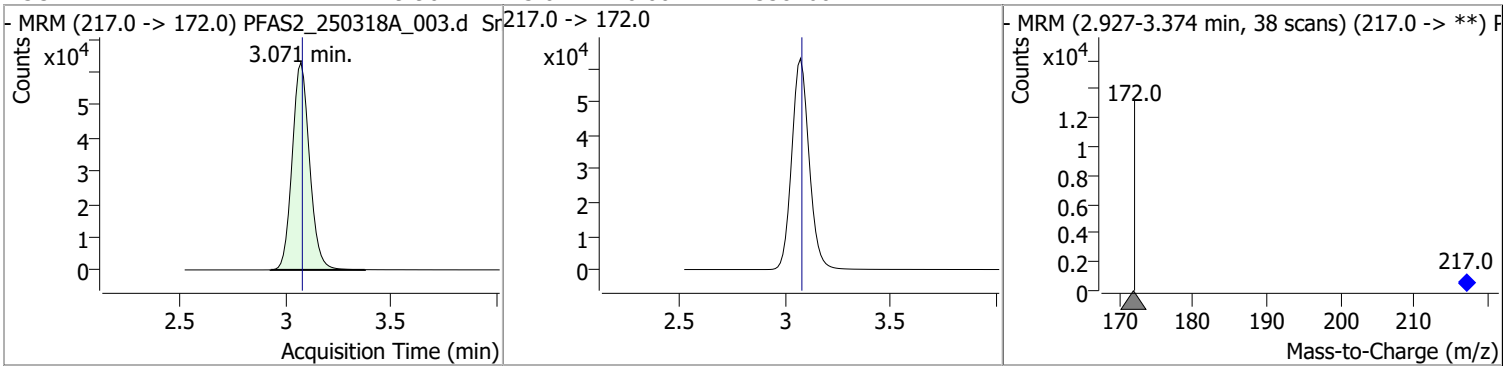
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	159348	5.0000	µg/L		16.446
13C2-PFHxA	4.878	315.0 -> 270.0	170897	2.5000	µg/L		11.388
18O2-PFHxS	5.943	403.0 -> 84.0	33527	2.5000	µg/L		13.153
13C4-PFOA	5.823	417.0 -> 172.0	17228	2.5000	µg/L		11.521
13C5-PFNA	6.214	468.0 -> 423.0	82300	1.2500	µg/L		15.635
13C2-PFDA	6.603	515.0 -> 470.0	76601	1.2500	µg/L		14.541
13C4-PFOS	6.771	503.0 -> 80.0	28163	2.5000	µg/L		13.061
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	358760	10.0000	µg/L		15.420
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%			
13C5-PFPeA	4.222	268.0 -> 223.0	230678	5.0000	µg/L		11.483
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.09%			
13C5-PFPeA	4.222	268.0 -> 223.0	230678	5.0000	µg/L		11.483
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.09%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	32332	5.0000	µg/L		27.975
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 113.56%			
13C5-PFHxA	4.889	318.0 -> 273.0	189950	2.5000	µg/L		12.500
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.98%			
13C5-PFHxA	4.889	318.0 -> 273.0	189950	2.5000	µg/L		12.500
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.98%			
13C3-PFBS	4.917	302.0 -> 80.0	70516	2.5000	µg/L		16.126
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.74%			
13C3-PFBS	4.917	302.0 -> 80.0	70516	2.5000	µg/L		16.126
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.74%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	192509	10.0000	µg/L		10.149
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.88%			
13C4-PFHpA	5.385	367.0 -> 322.0	214833	2.5000	µg/L		13.736
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.14%			
13C3-PFHxS	5.944	402.0 -> 80.0	40226	2.5000	µg/L		15.100
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	17874	5.0000	µg/L	#	21.024
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.07%			
13C8-PFOA	5.823	421.0 -> 376.0	194071	2.5000	µg/L		12.348
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.76%			
13C3-PFHxS	5.944	402.0 -> 80.0	40226	2.5000	µg/L		15.100
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.75%			
13C9-PFNA	6.213	472.0 -> 427.0	80527	1.2500	µg/L		14.281
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.78%			
13C8-PFOS	6.771	507.0 -> 80.0	28830	2.5000	µg/L		14.028
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.89%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12958	5.0000	µg/L	#	9.393
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.55%			
13C6-PFDA	6.603	519.0 -> 474.0	75492	1.2500	µg/L		11.083
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.89%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	62347	5.0000	µg/L		11.696

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.68%			
13C8-PFOS	6.771	507.0 -> 80.0	28830	2.5000	µg/L		14.028
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.89%			
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	46710	5.0000	µg/L		10.768
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.92%			
13C7-PFUnDA	6.990	570.0 -> 525.0	59634	1.2500	µg/L		11.251
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.11%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.724	615.0 -> 570.0	48401	1.2500	µg/L		9.715
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.63%			
13C2-PFDoDA	7.355	615.0 -> 570.0	44517	1.2500	µg/L		11.446
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.31%			
13C2-PFTDA	8.092	715.0 -> 670.0	52285	1.2500	µg/L		8.284
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 94.25%			
13C8-PFOSA	8.768	506.0 -> 78.0	39665	2.5000	µg/L		7.316
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.73%			
2H7-MeFOSE	9.853	623.1 -> 59.0	144881	25.0000	µg/L		15.310
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 102.07%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10974	2.5000	µg/L		5.836
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.39%			
2H9-EtFOSE	10.185	639.1 -> 59.0	72839	25.0000	µg/L		14.690
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.40%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12765	2.5000	µg/L		13.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.45%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	23822	0.8374	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 104.67%			
PFMPA	3.614	229.0 -> 85.0	8483	0.4357	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 108.93%			
3-3 FTCA	3.778	241.0 -> 177.0	598	0.7255	µg/L		89
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 90.69%			
PFPeA	4.223	263.0 -> 219.0	17318	0.4298	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 107.44%			
PFMBA	4.453	279.0 -> 85.0	12879	0.4307	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 107.69%			
4-2 FTSA	4.698	327.0 -> 307.0	14729	0.7496	µg/L		97
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 99.94%			
NFDHA	4.811	295.0 -> 201.0	553	0.3958	µg/L	#	73
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 98.95%			
PFHxA	4.880	313.0 -> 269.0	13419	0.1974	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.71%			
PFBS	4.918	298.9 -> 80.0	5120	0.1750	µg/L		89
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 98.63%			
HFPO-DA	5.075	285.0 -> 169.0	6710	0.3928	µg/L		93
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 98.21%			
PFEESA	5.189	314.9 -> 135.0	32628	0.3870	µg/L		98
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 108.71%			
PFHpA	5.386	363.0 -> 319.0	14987	0.2015	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.75%			
5-3 FTCA	5.447	341.0 -> 237.0	20341	4.0445	µg/L		97
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 101.11%			
PFPeS	5.482	348.9 -> 80.0	4033	0.1857	µg/L		91
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 98.67%			
DONA	5.539	377.0 -> 251.0	40484	0.4229	µg/L		98
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 111.88%			

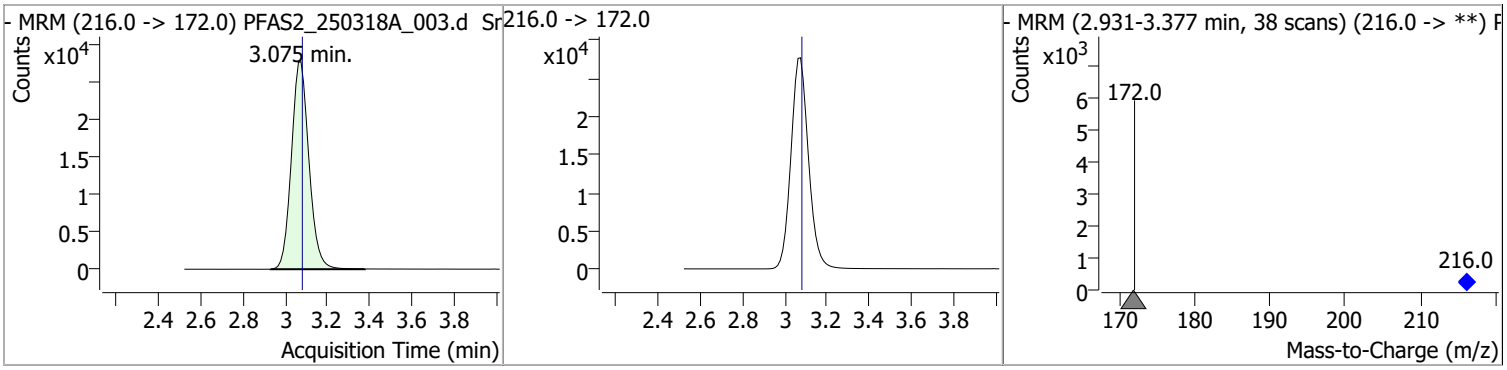
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	8900	0.8129	µg/L	#	85
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 106.96%			
PFOA	5.824	413.0 -> 369.0	13938	0.2174	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.69%			
PFHxS	5.945	398.9 -> 80.0	2735	0.1748	µg/L		84
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 95.62%			
PFNA	6.214	463.0 -> 419.0	12677	0.2084	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 104.20%			
PFHpS	6.370	448.9 -> 80.0	2323	0.1937	µg/L		95
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 101.62%			
8-2 FTSA	6.424	527.0 -> 507.0	4912	0.9032	µg/L	#	75
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 117.60%			
7-3 FTCA	6.585	441.0 -> 317.0	15912	4.2378	µg/L		96
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 105.94%			
PFDA	6.604	513.0 -> 469.0	11051	0.1970	µg/L	#	90
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.48%			
N-MeFOSAA	6.730	570.0 -> 419.0	2075	0.1961	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.04%			
PFOS	6.772	498.9 -> 80.0	2126	0.2141	µg/L		95
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 115.38%			
N-EtFOSAA	6.953	584.0 -> 419.0	1618	0.1941	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.05%			
PFUnDA	6.991	563.0 -> 519.0	9094	0.2180	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.98%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	20342	0.3980	µg/L		89
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 106.41%			
PFNS	7.159	548.9 -> 80.0	1934	0.1966	µg/L		96
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 102.21%			
PFDoDA	7.356	613.0 -> 569.0	6527	0.2000	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.01%			
PFDS	7.525	598.9 -> 80.0	1392	0.1894	µg/L		80
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 98.15%			
PFTrDA	7.724	663.0 -> 619.0	7130	0.1955	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.76%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	9631	0.3777	µg/L		94
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 99.92%			
PFTDA	8.081	712.9 -> 669.0	6017	0.1937	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 96.83%			
PFDoS	8.228	698.9 -> 80.0	978	0.1903	µg/L		94
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 98.11%			
PFOSA	8.771	497.9 -> 78.0	2728	0.1979	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.94%			
MeFOSE	9.878	616.0 -> 59.0	8829	1.9778	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 98.89%			
N-MeFOSA	9.992	512.0 -> 219.0	834	0.2019	µg/L		92
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.97%			
EtFOSE	10.210	630.0 -> 59.0	4992	1.9180	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 95.90%			
N-EtFOSA	10.323	526.0 -> 219.0	949	0.1927	µg/L		93
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 96.33%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

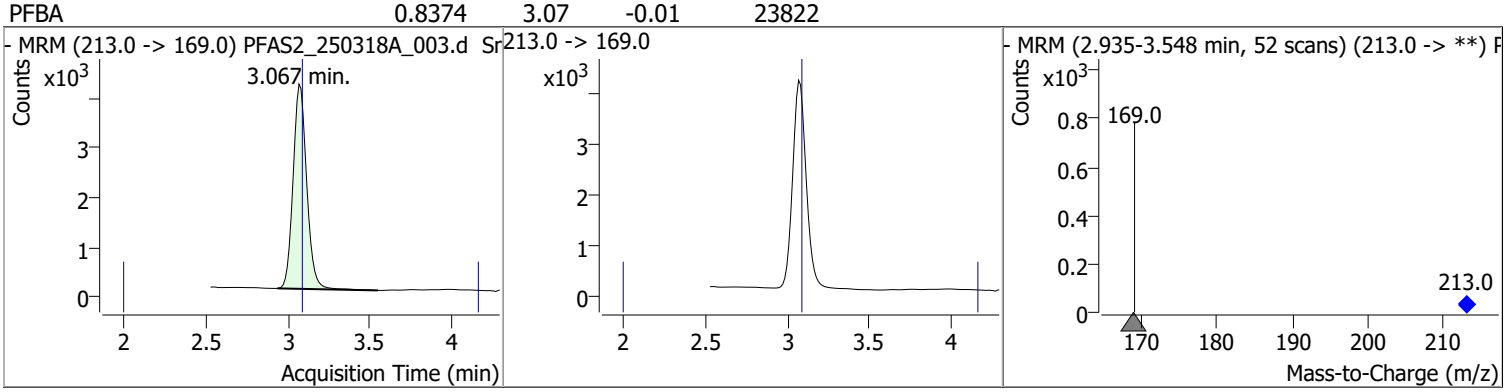
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9074	3.07	0.00	358760				



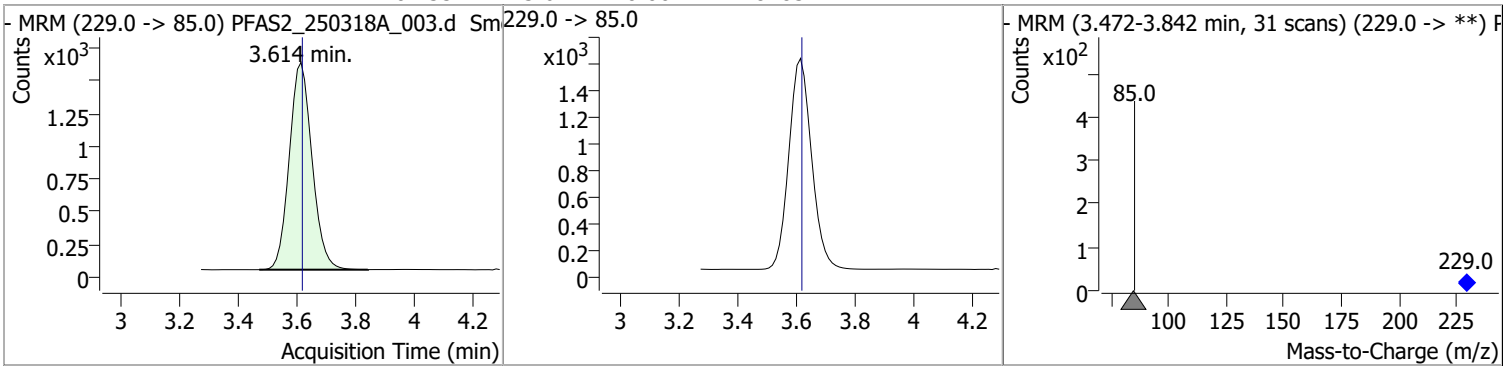
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	159348				



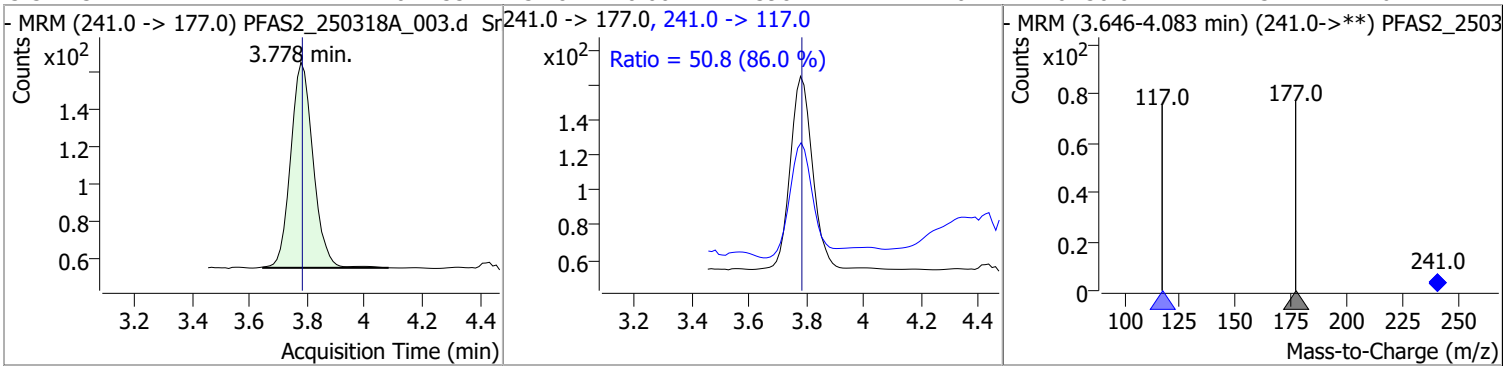
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8374	3.07	-0.01	23822				



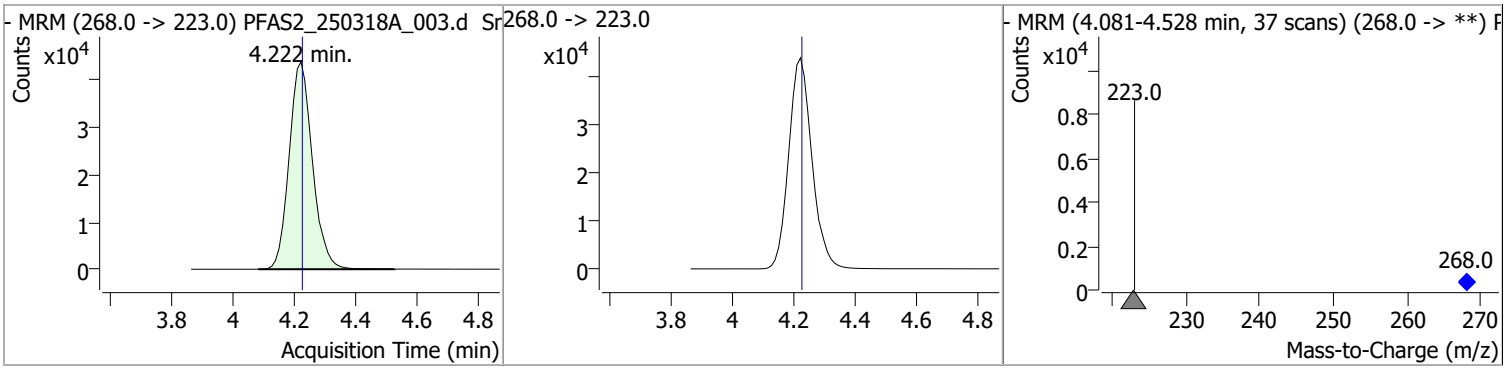
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4357	3.61	0.00	8483				



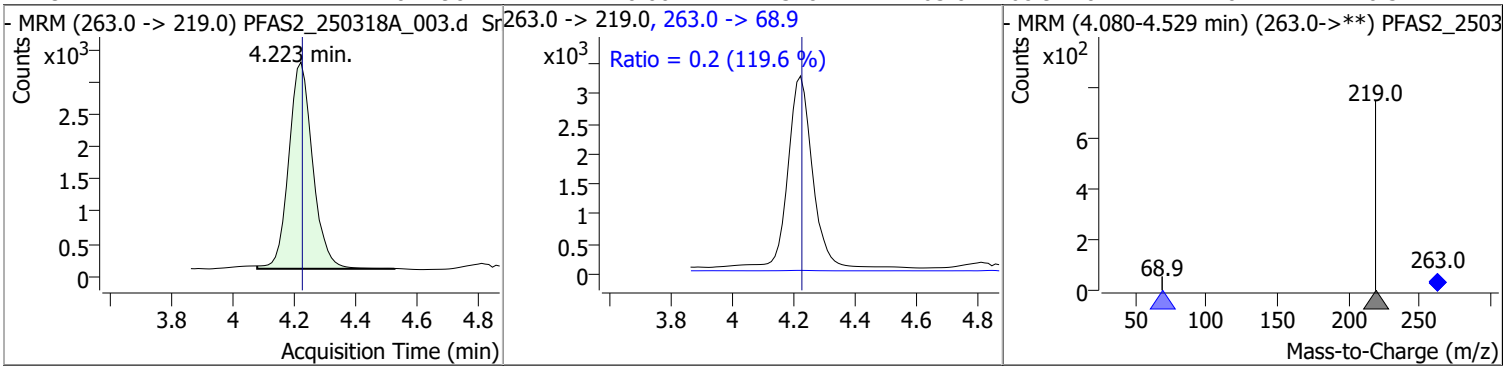
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.7255	3.78	0.00	598	241.0 -> 117.0	50.8	41.3	76.7



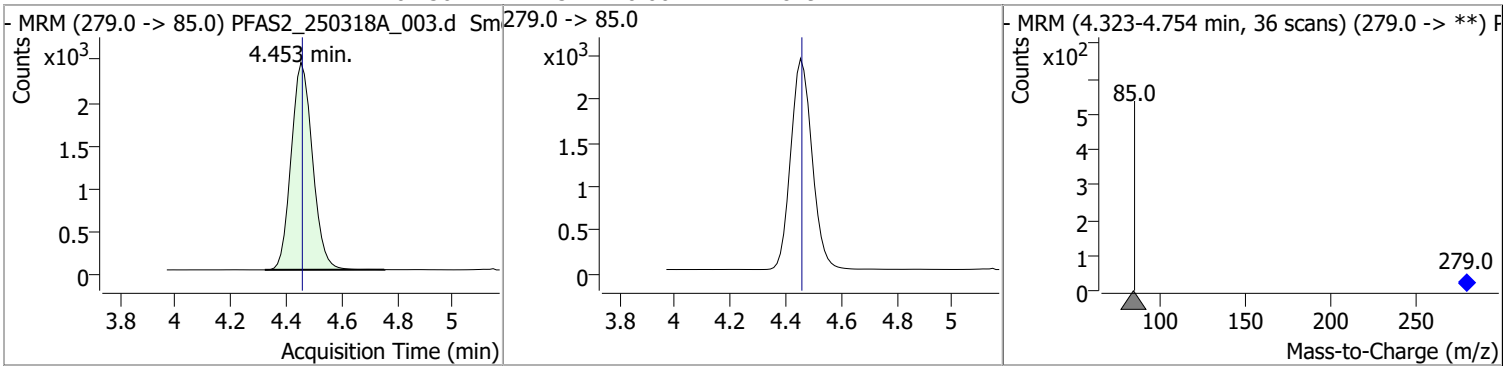
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0045	4.22	0.00	230678				



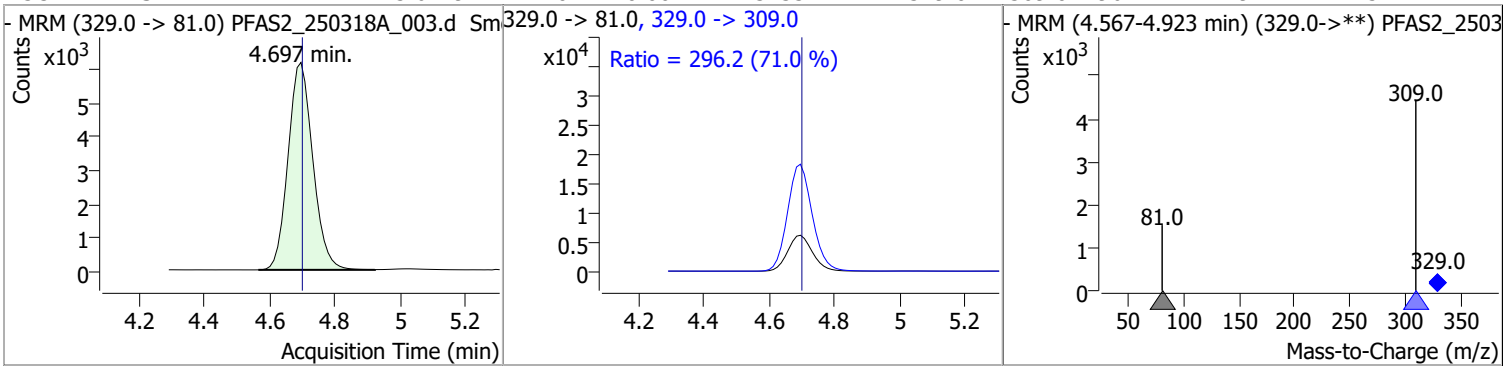
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4298	4.22	0.00	17318	263.0 -> 68.9	0.2	0.1	0.3



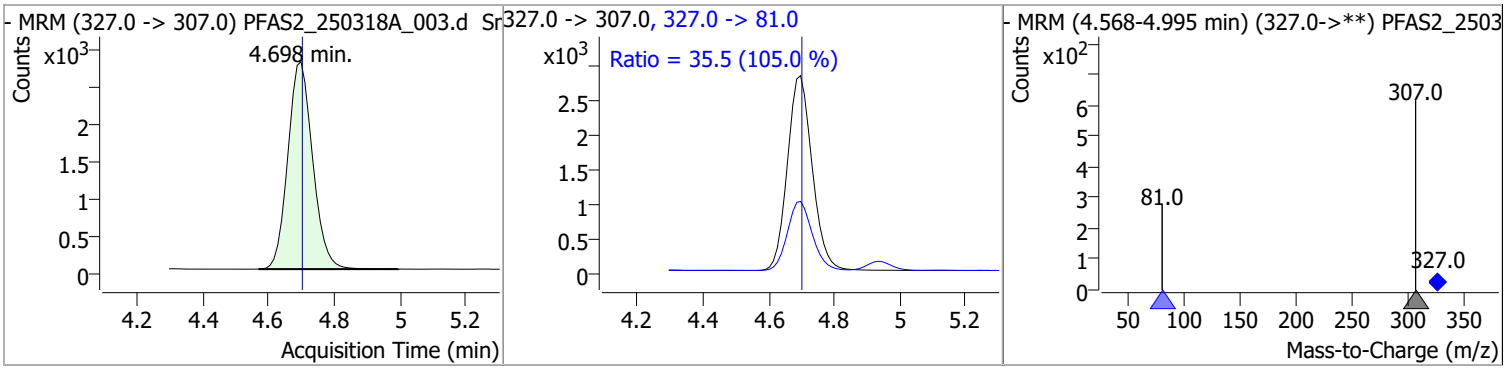
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4307	4.45	0.00	12879				



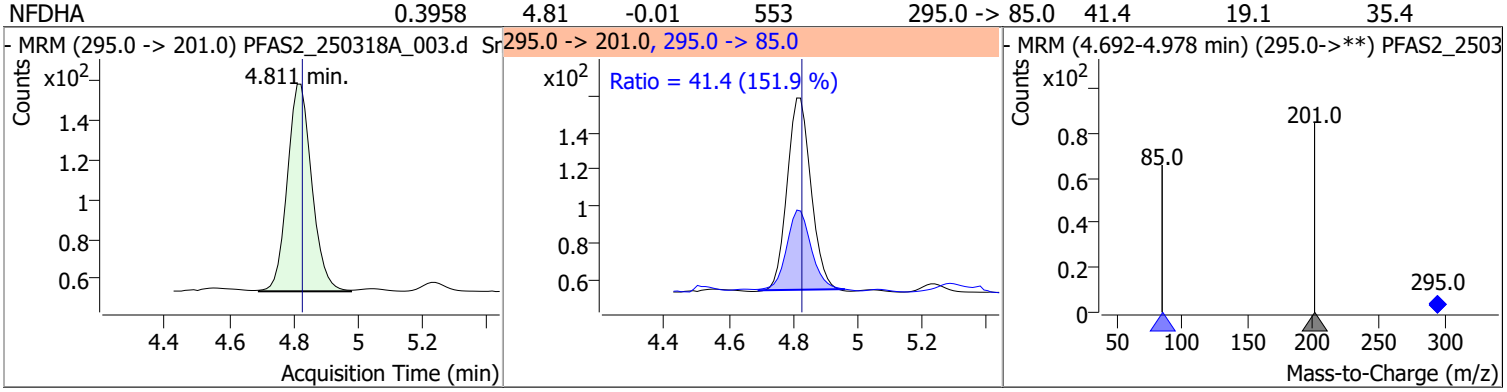
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6779	4.70	0.00	32332	329.0 -> 309.0	296.2	292.1	542.4



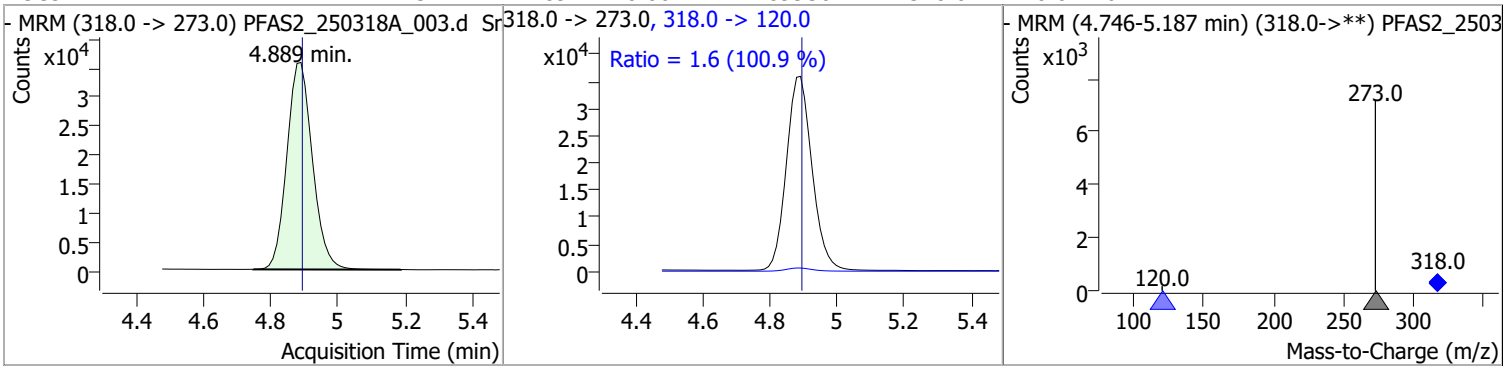
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7496	4.70	0.00	14729	327.0 -> 81.0	35.5	23.6	43.9



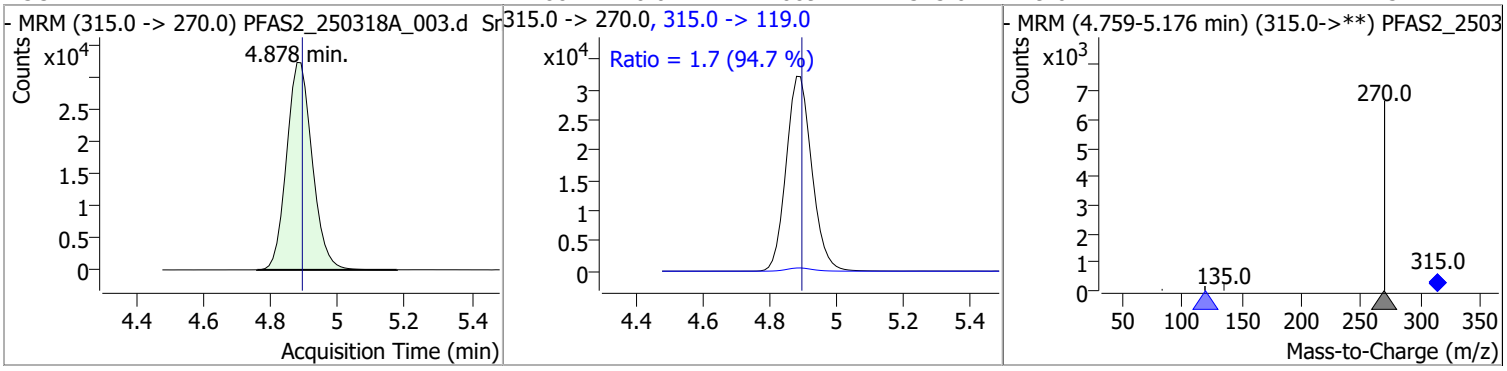
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.3958	4.81	-0.01	553	295.0 -> 85.0	41.4	19.1	35.4



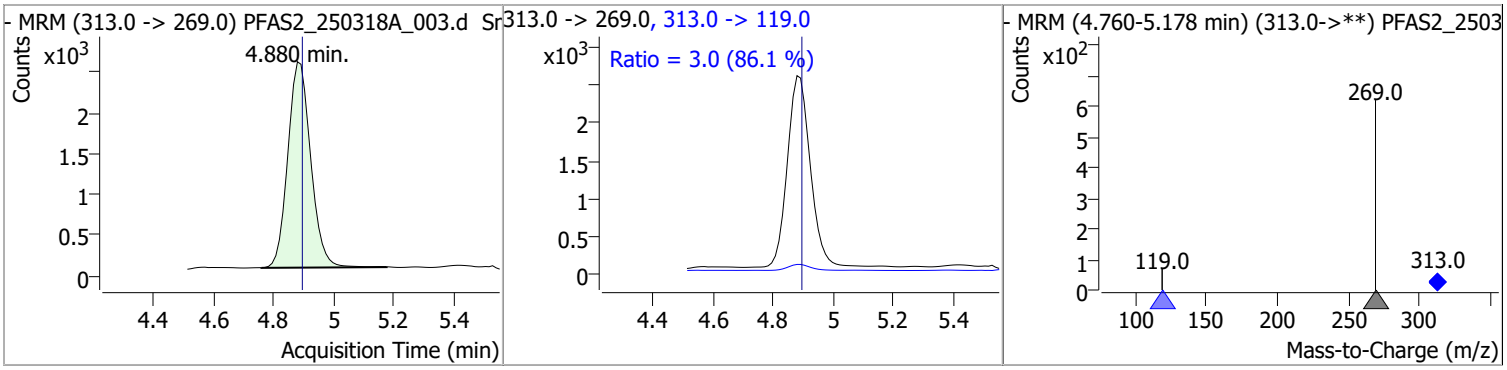
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5244	4.89	0.00	189950	318.0 -> 120.0	1.6	1.1	2.1



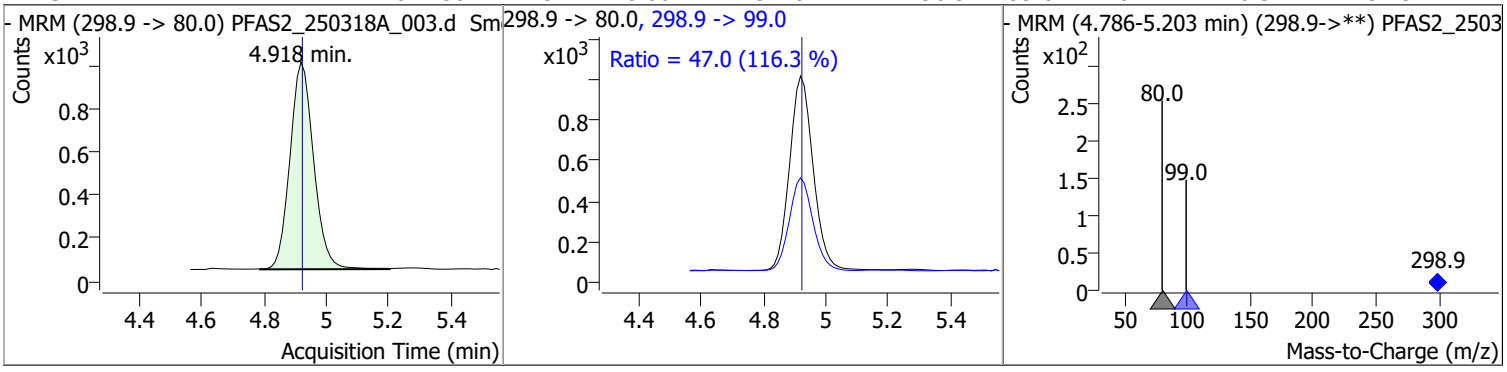
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	170897	315.0 -> 119.0	1.7	1.2	2.3



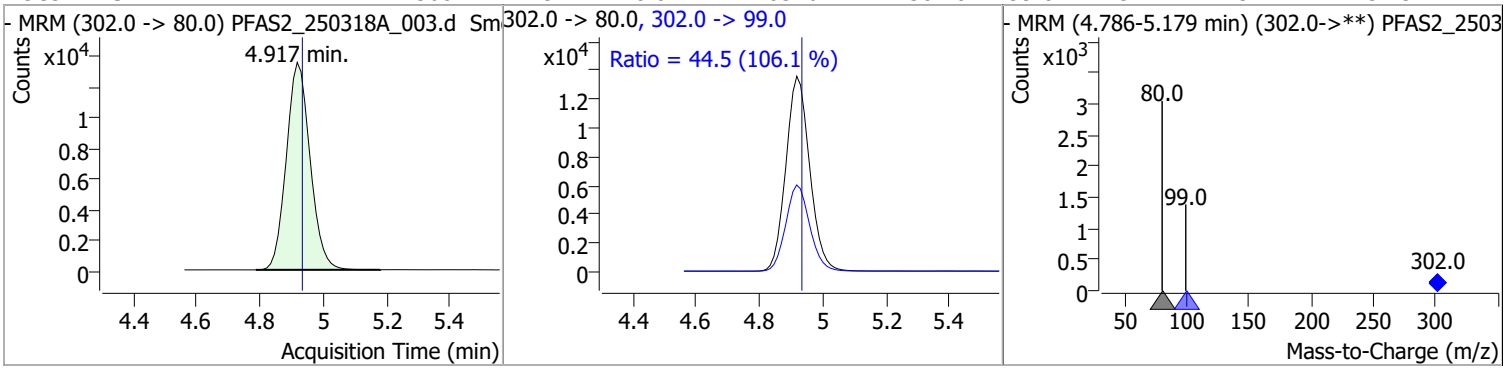
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.1974	4.88	-0.01	13419	313.0 -> 119.0	3.0	2.4	4.5



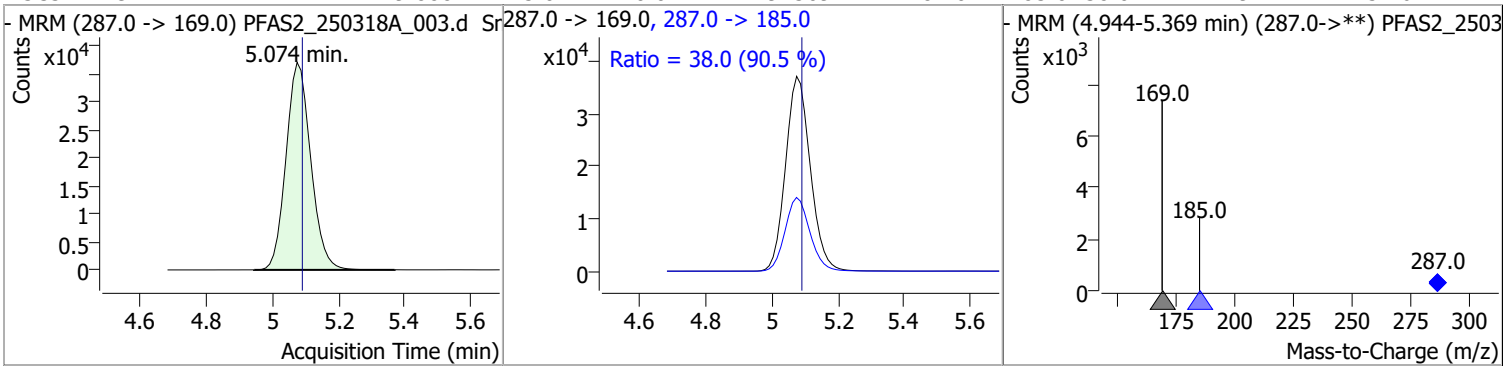
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1750	4.92	0.00	5120	298.9 -> 99.0	47.0	28.3	52.5



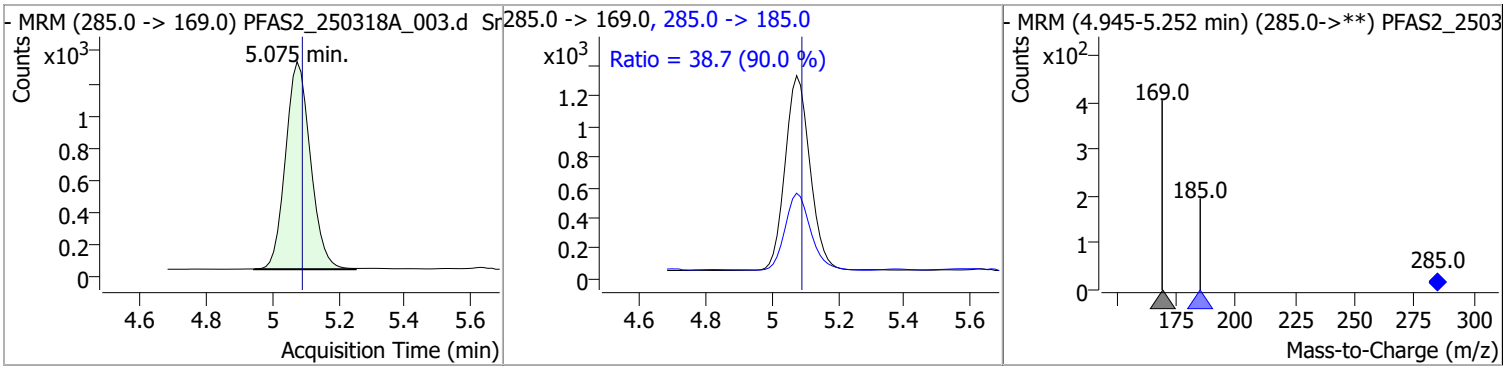
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5684	4.92	-0.01	70516	302.0 -> 99.0	44.5	29.4	54.5



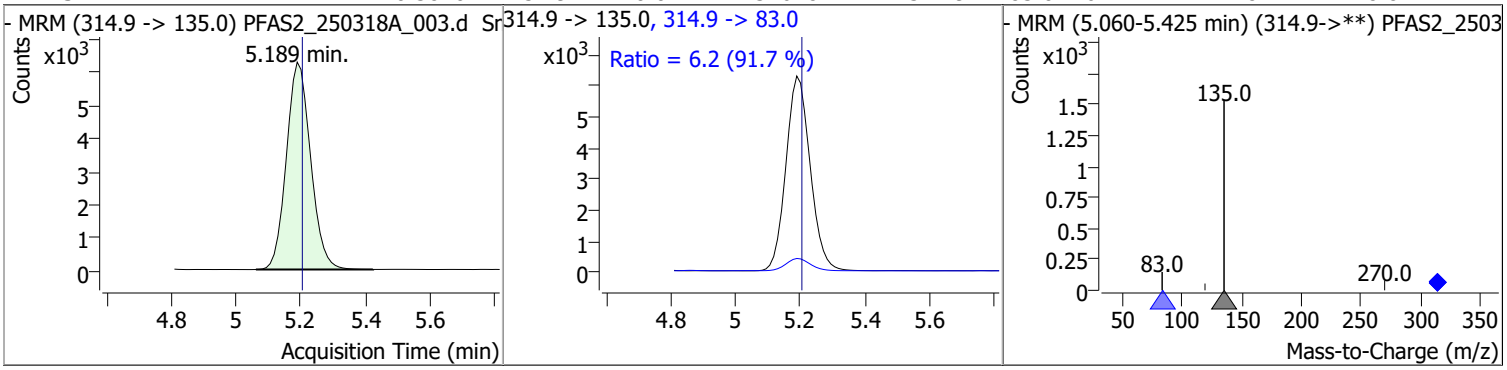
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8884	5.07	-0.01	192509	287.0 -> 185.0	38.0	29.4	54.6



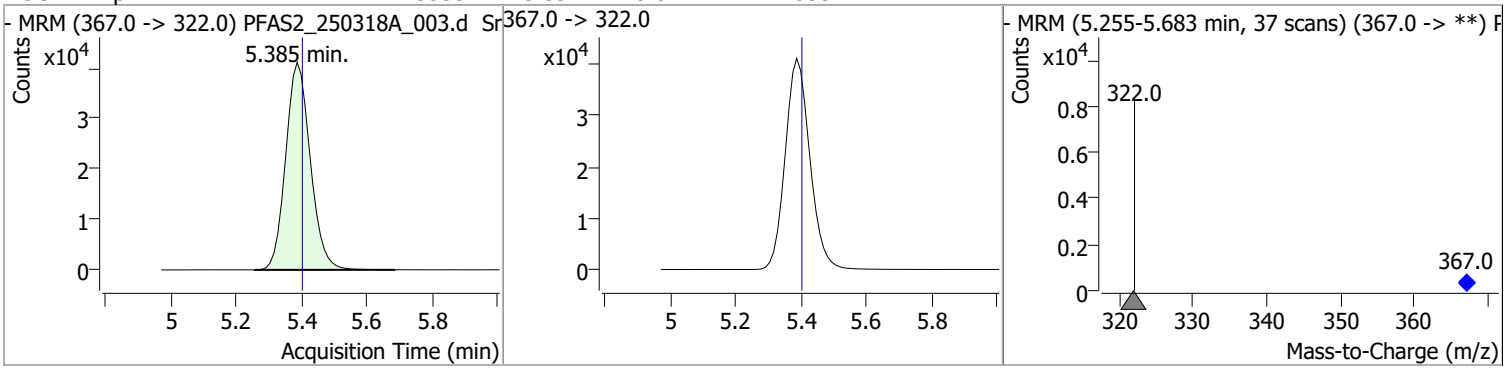
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.3928	5.07	-0.01	6710	285.0 -> 185.0	38.7	30.1	56.0



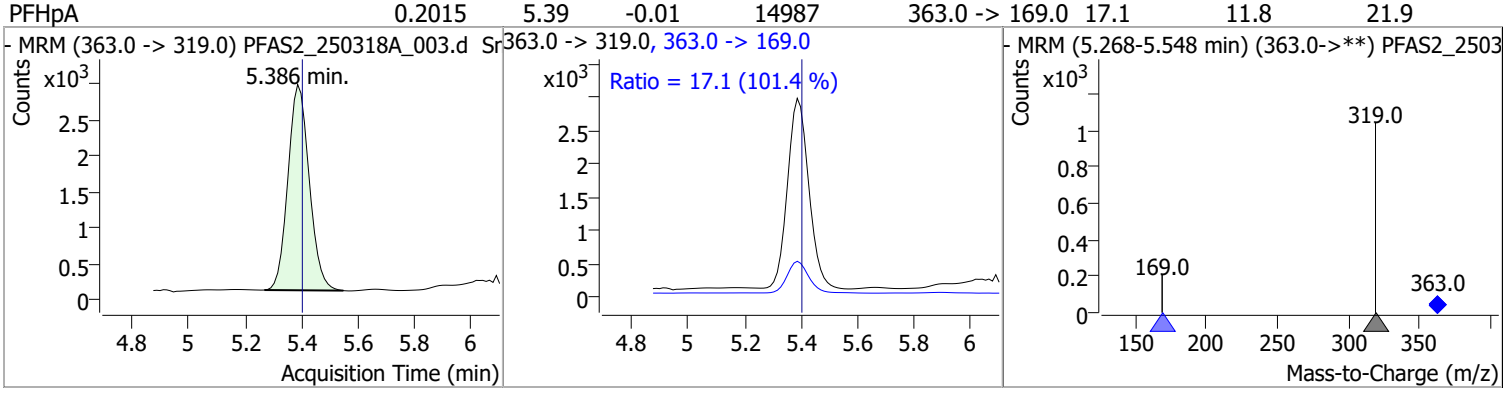
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.3870	5.19	-0.01	32628	314.9 -> 83.0	6.2	4.8	8.8



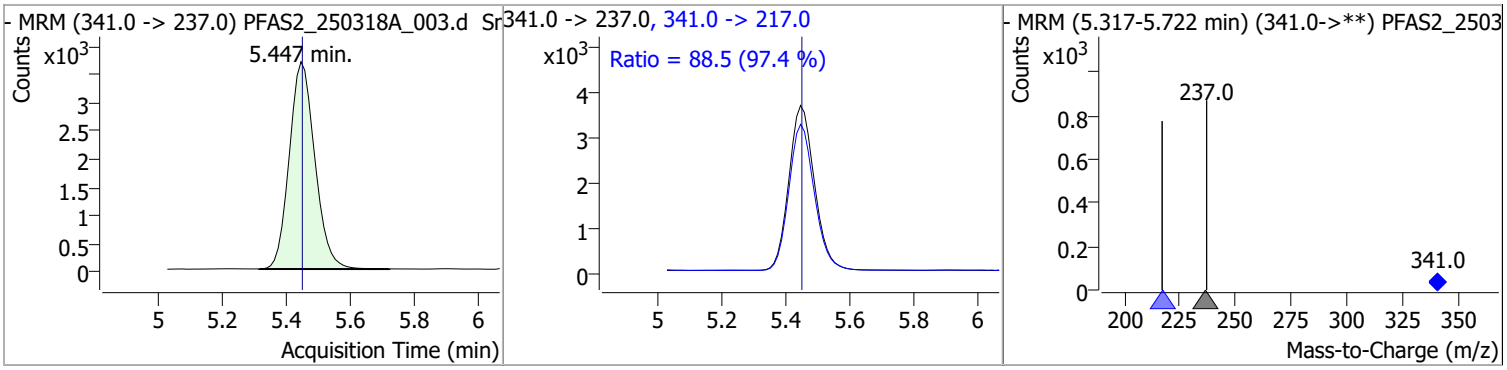
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5535	5.39	-0.01	214833				



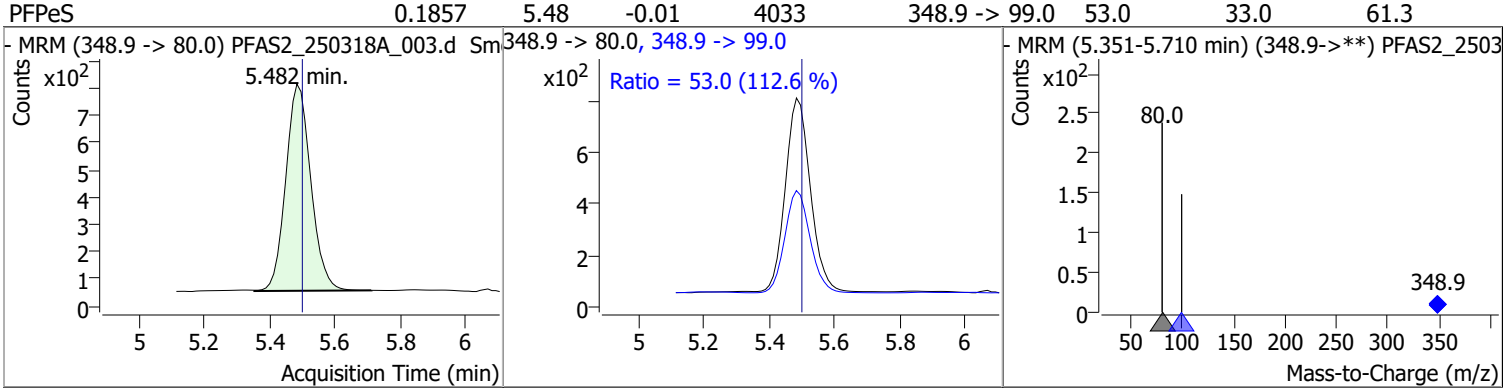
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2015	5.39	-0.01	14987	363.0 -> 169.0	17.1	11.8	21.9



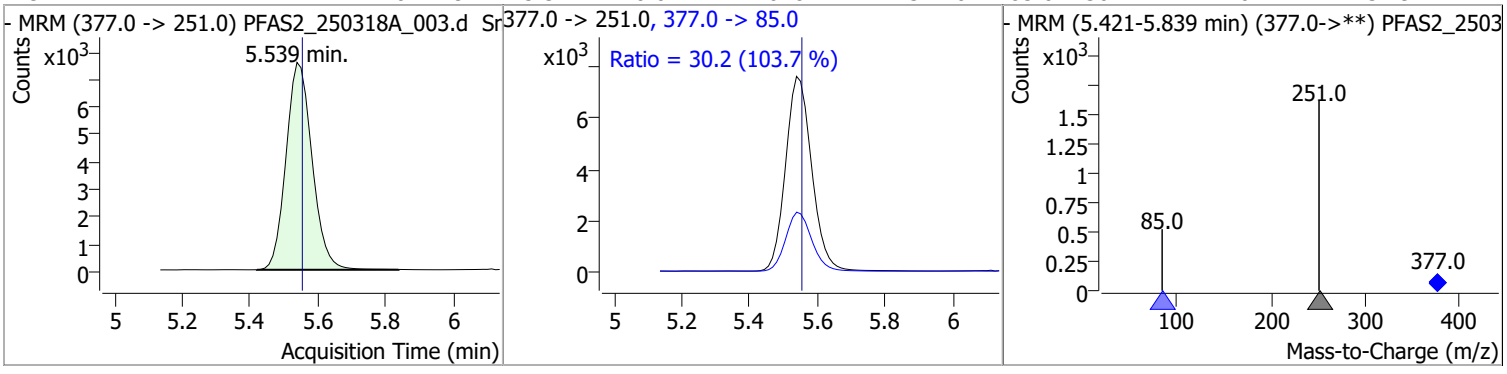
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	4.0445	5.45	0.00	20341	341.0 -> 217.0	88.5	63.6	118.1



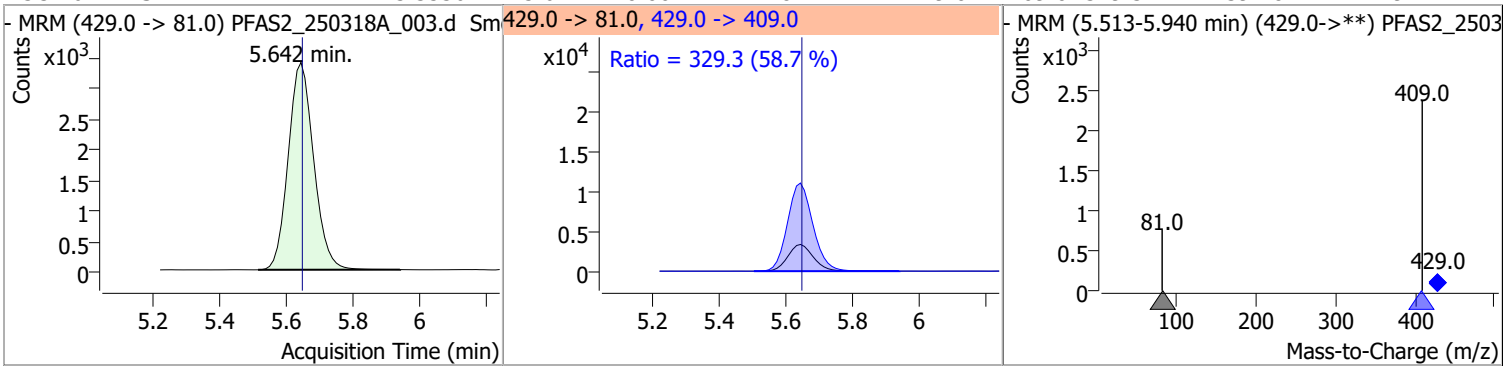
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.1857	5.48	-0.01	4033	348.9 -> 99.0	53.0	33.0	61.3



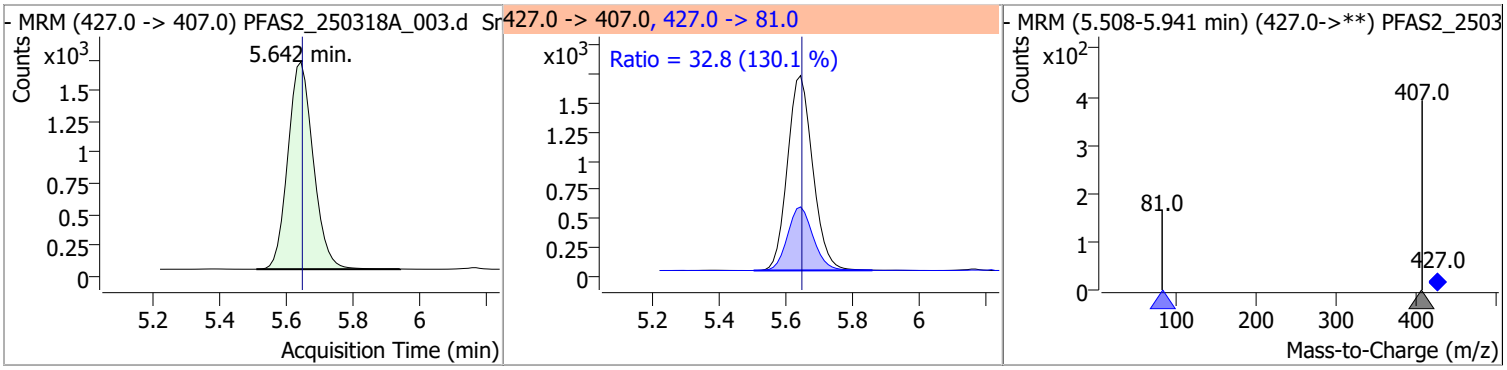
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.4229	5.54	-0.01	40484	377.0 -> 85.0	30.2	20.4	37.9



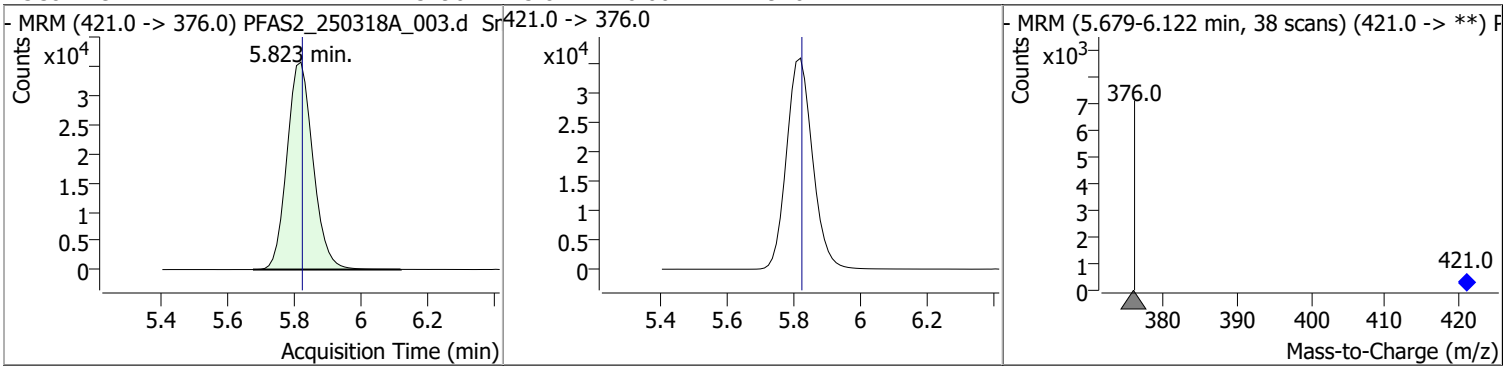
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3536	5.64	0.00	17874	429.0 -> 409.0	329.3	392.8	729.4



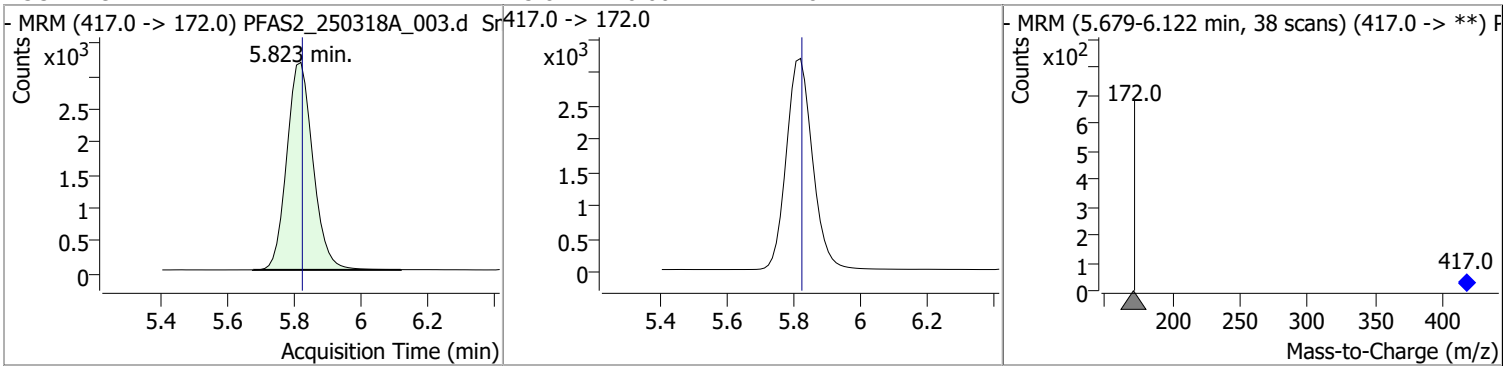
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.8129	5.64	0.00	8900	427.0 -> 81.0	32.8	17.7	32.8



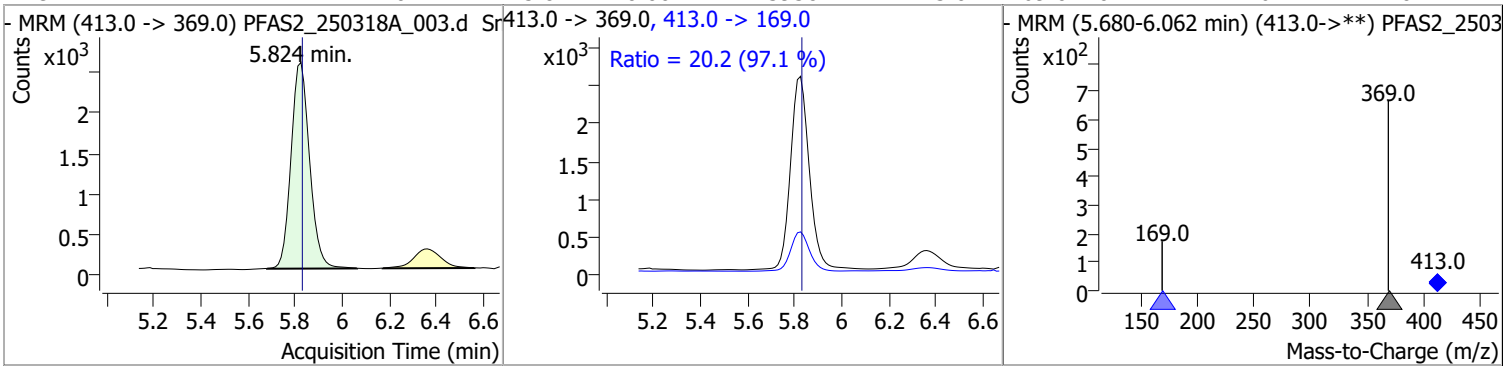
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5190	5.82	0.00	194071				



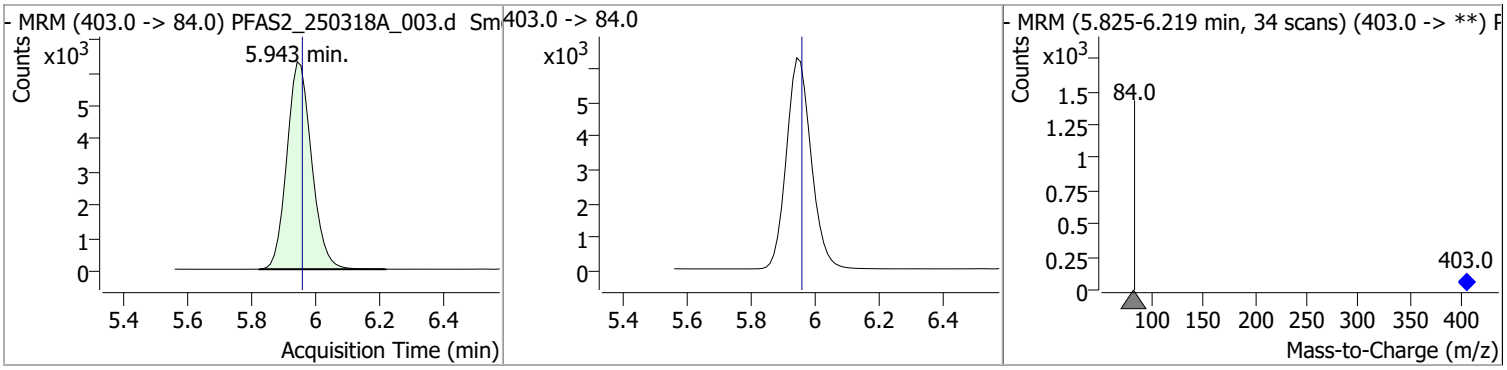
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	17228				



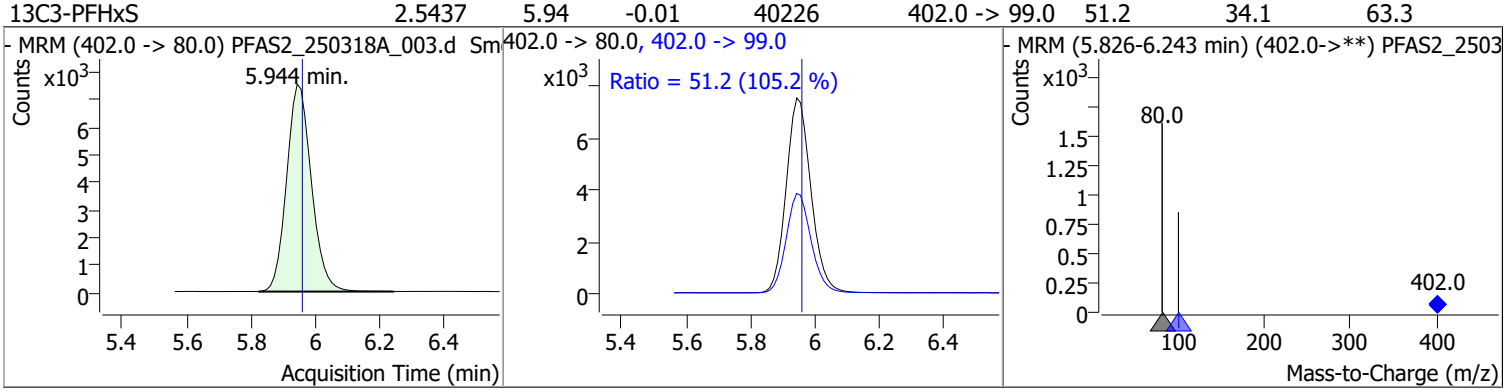
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2174	5.82	0.00	13938	413.0 -> 169.0	20.2	14.6	27.0



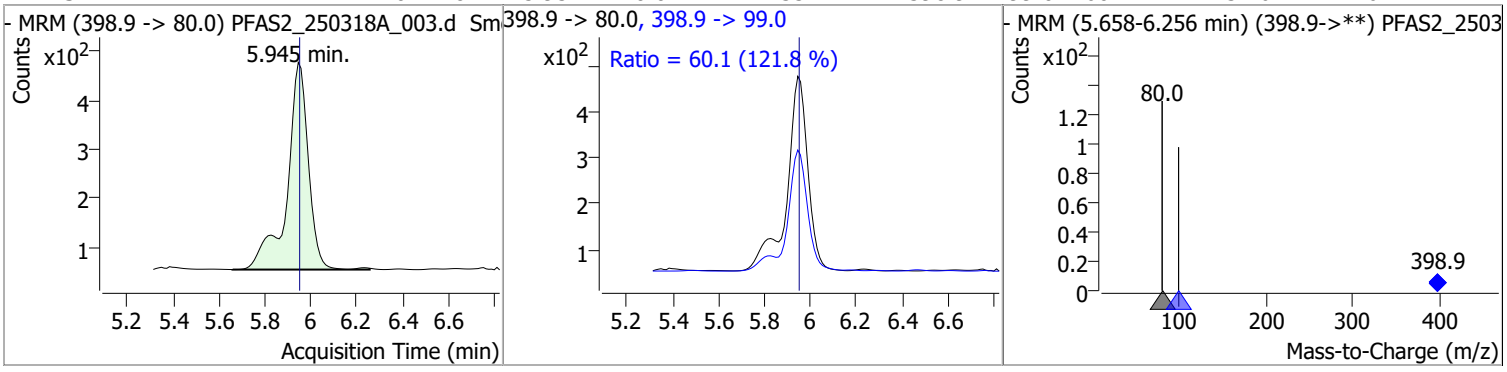
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	-0.01	33527				



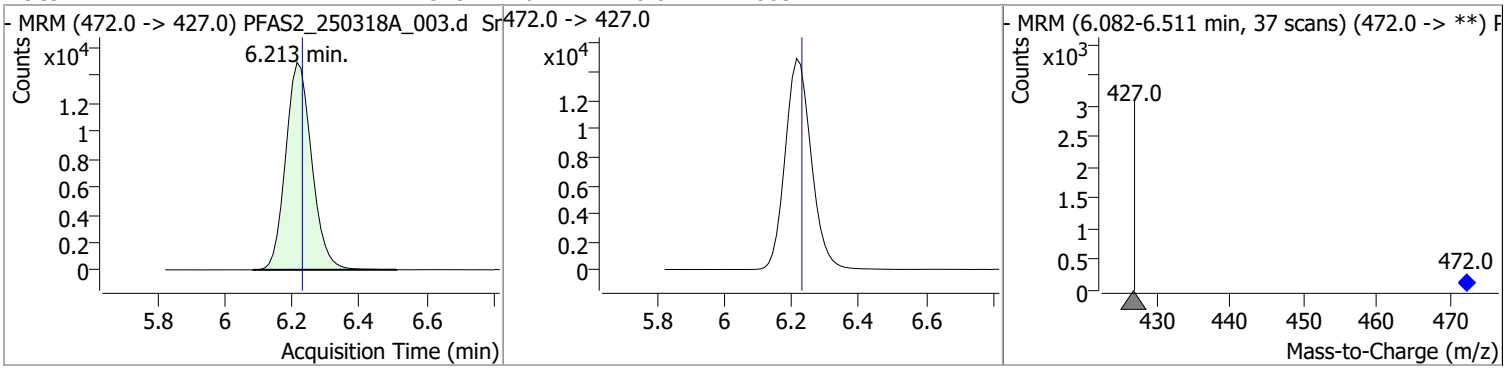
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5437	5.94	-0.01	40226	402.0 -> 99.0	51.2	34.1	63.3



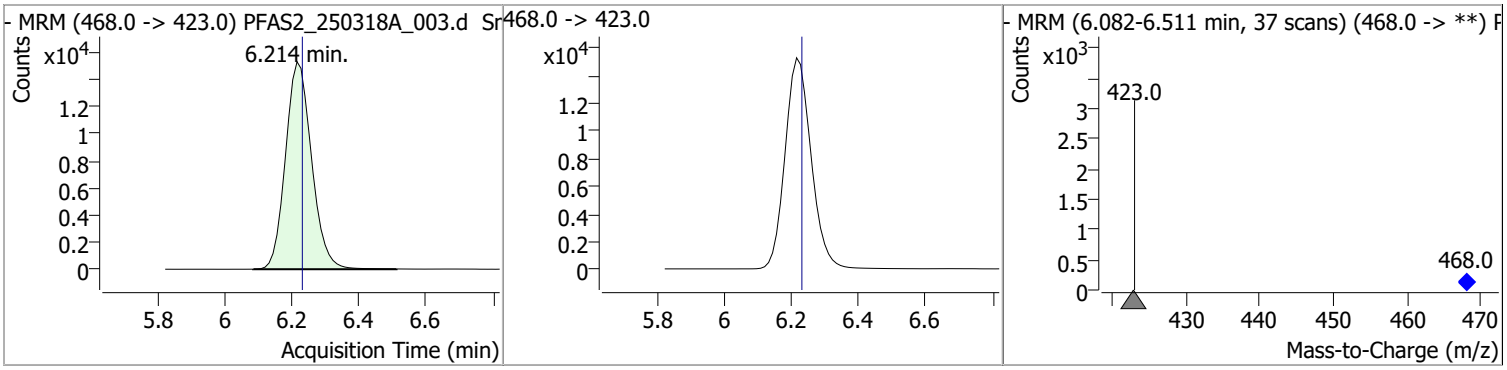
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1748	5.95	-0.01	2735	398.9 -> 99.0	60.1	34.6	64.2



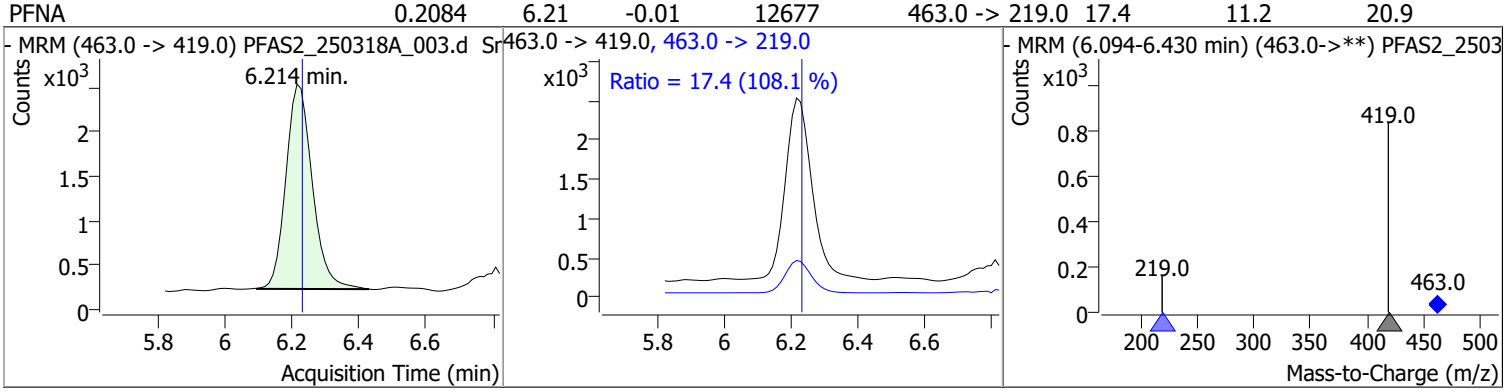
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2348	6.21	-0.01	80527				



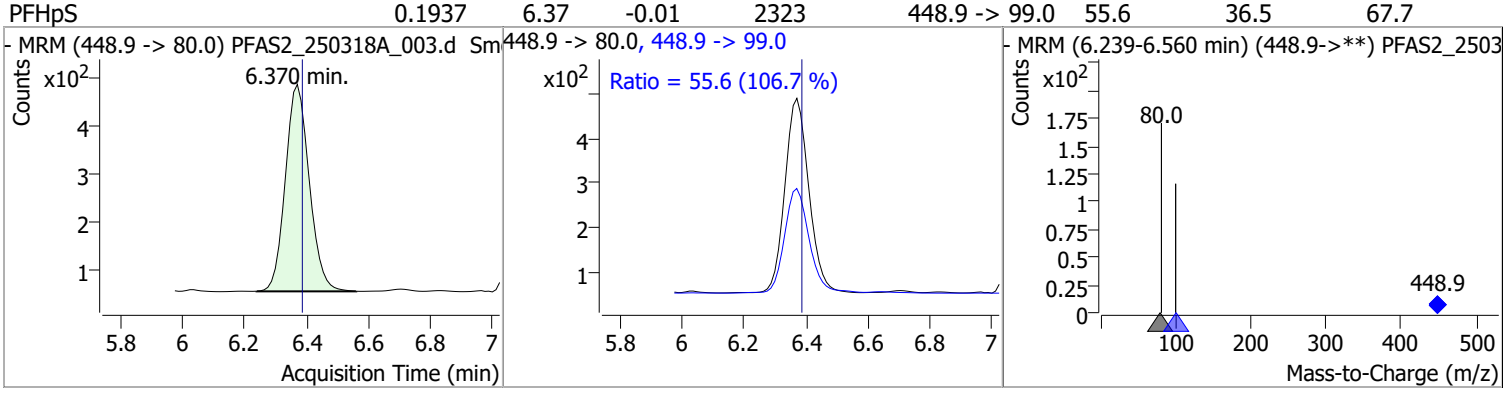
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	-0.01	82300				



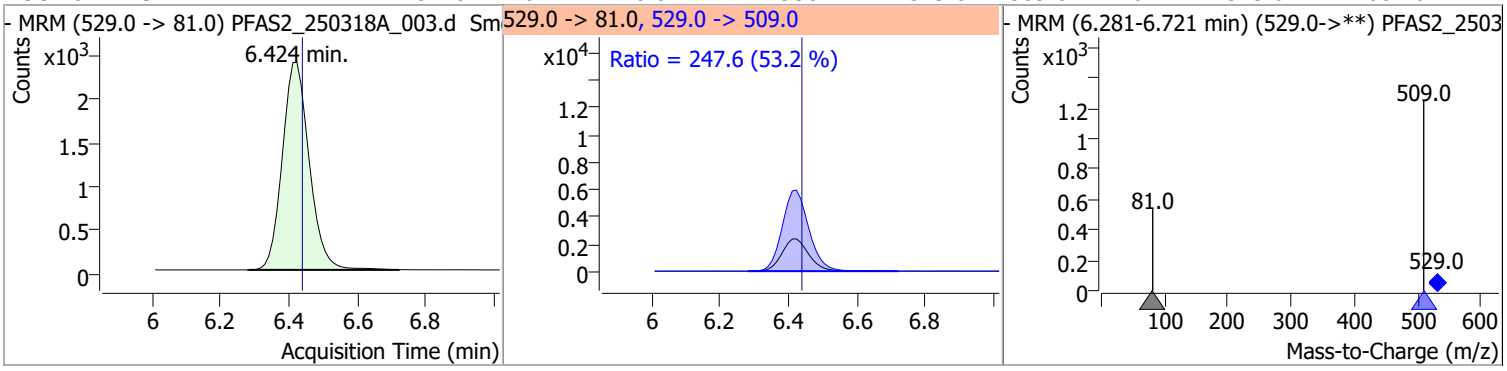
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.2084	6.21	-0.01	12677	463.0 -> 219.0	17.4	11.2	20.9



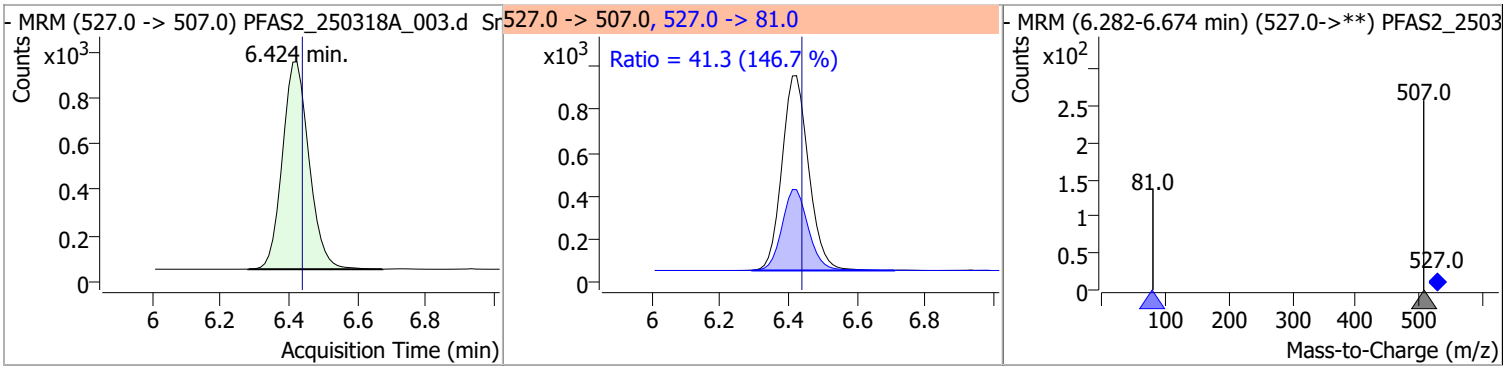
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1937	6.37	-0.01	2323	448.9 -> 99.0	55.6	36.5	67.7



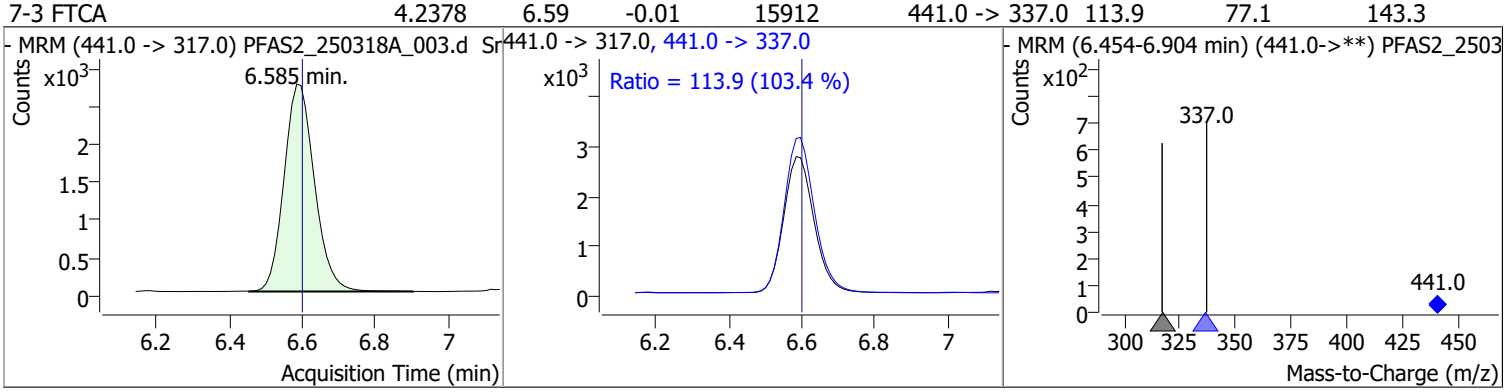
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8276	6.42	-0.01	12958	529.0 -> 509.0	247.6	325.6	604.6



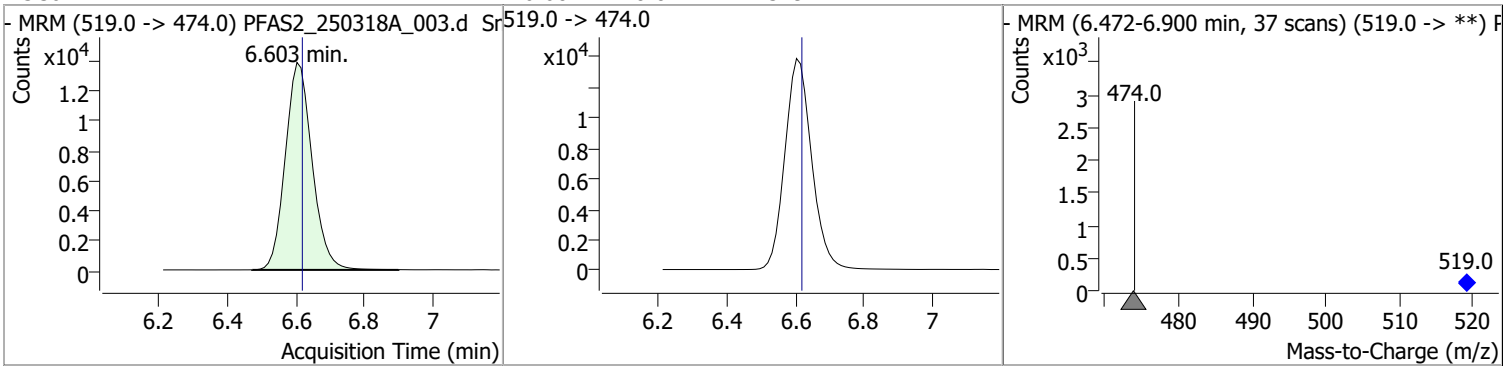
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.9032	6.42	-0.01	4912	527.0 -> 81.0	41.3	19.7	36.6



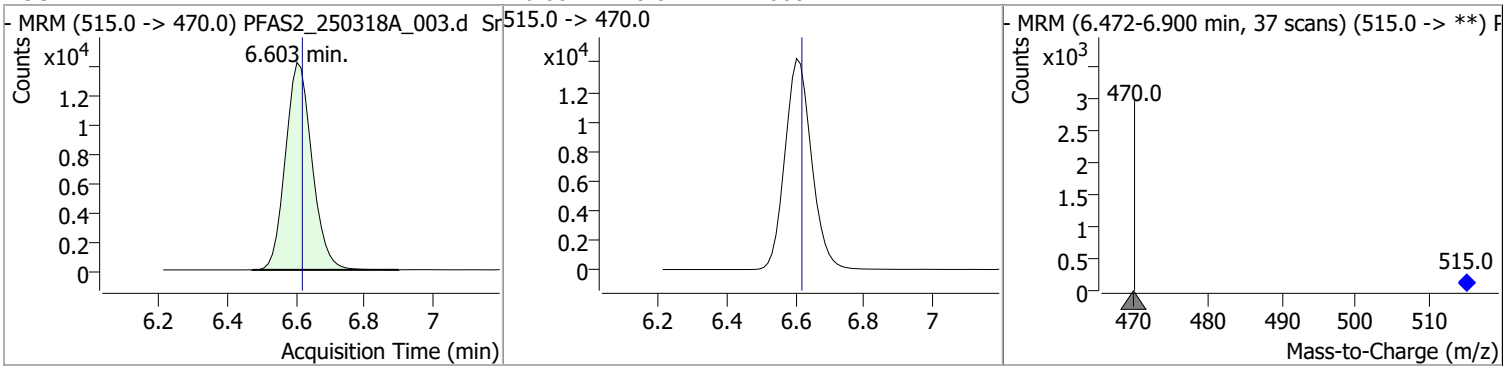
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.2378	6.59	-0.01	15912	441.0 -> 337.0	113.9	77.1	143.3



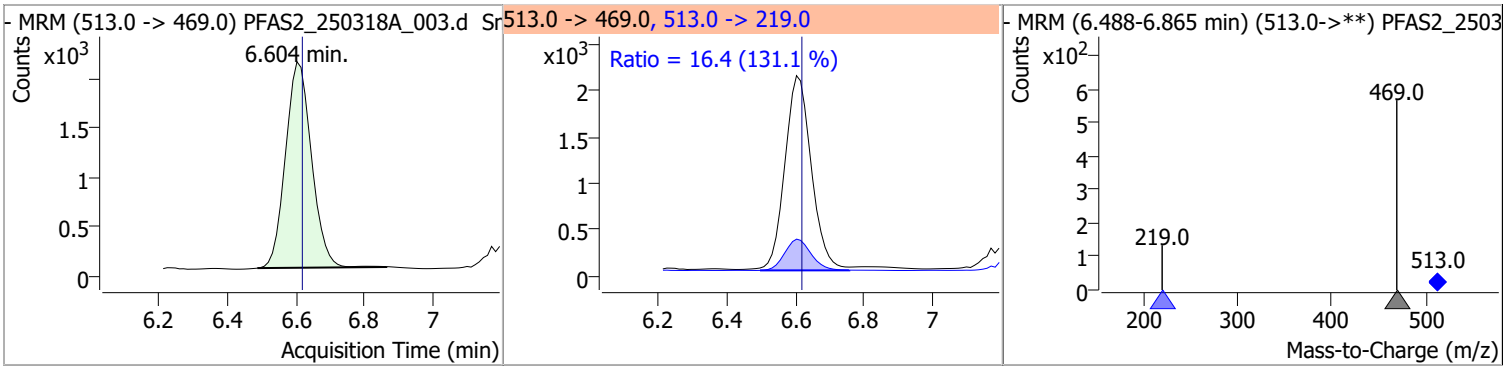
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2111	6.60	-0.01	75492				



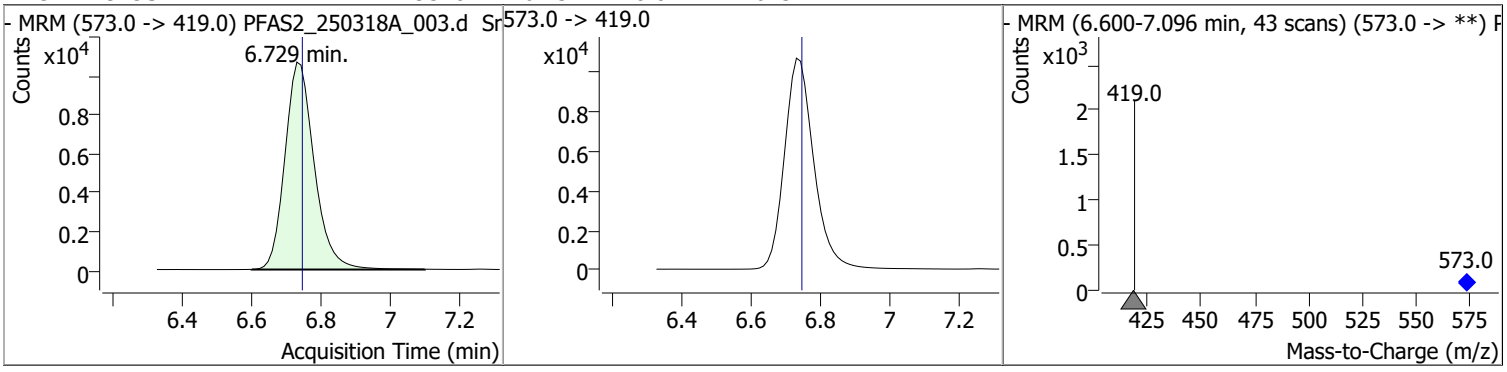
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	-0.01	76601				



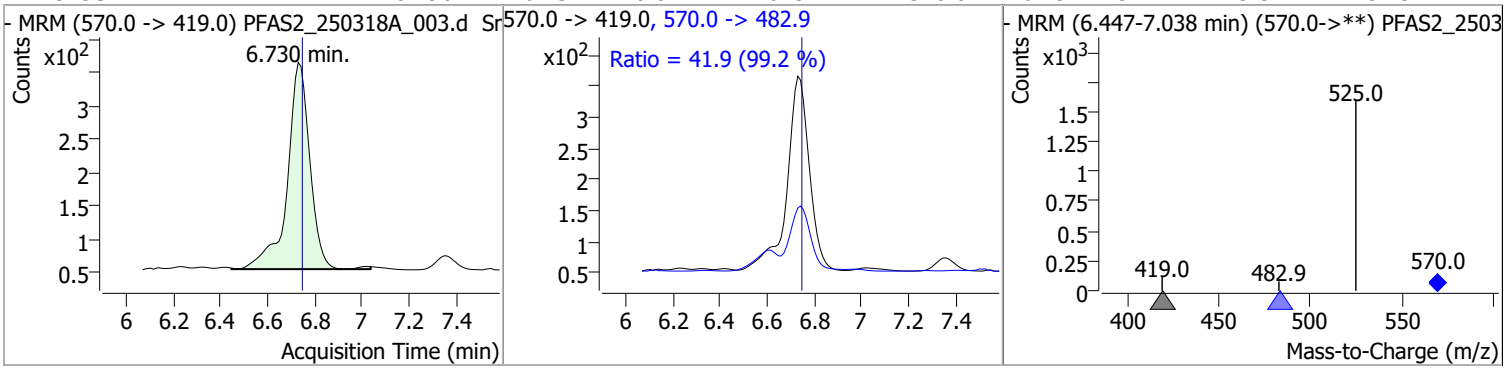
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.1970	6.60	-0.01	11051	513.0 -> 219.0	16.4	8.7	16.2



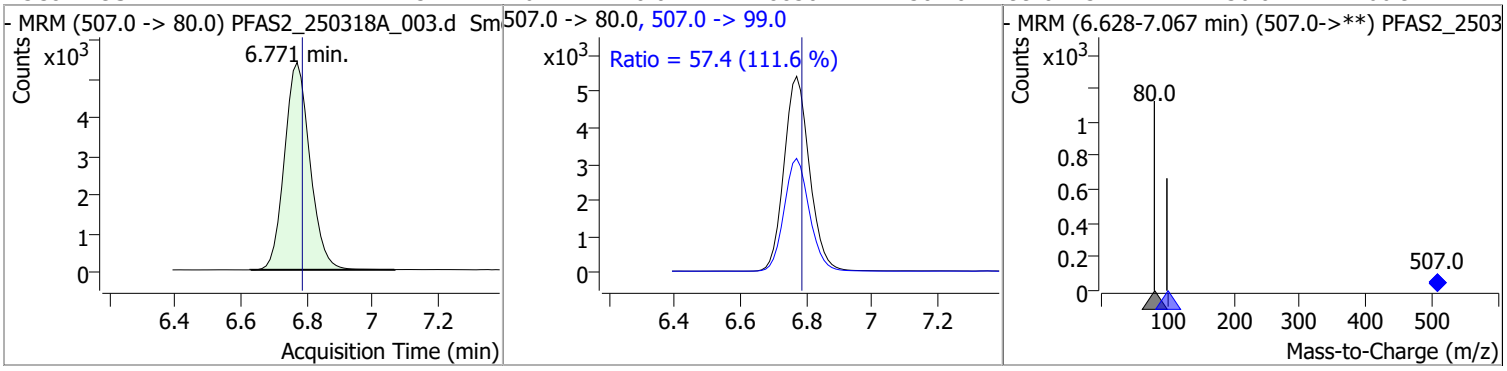
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9340	6.73	-0.01	62347				



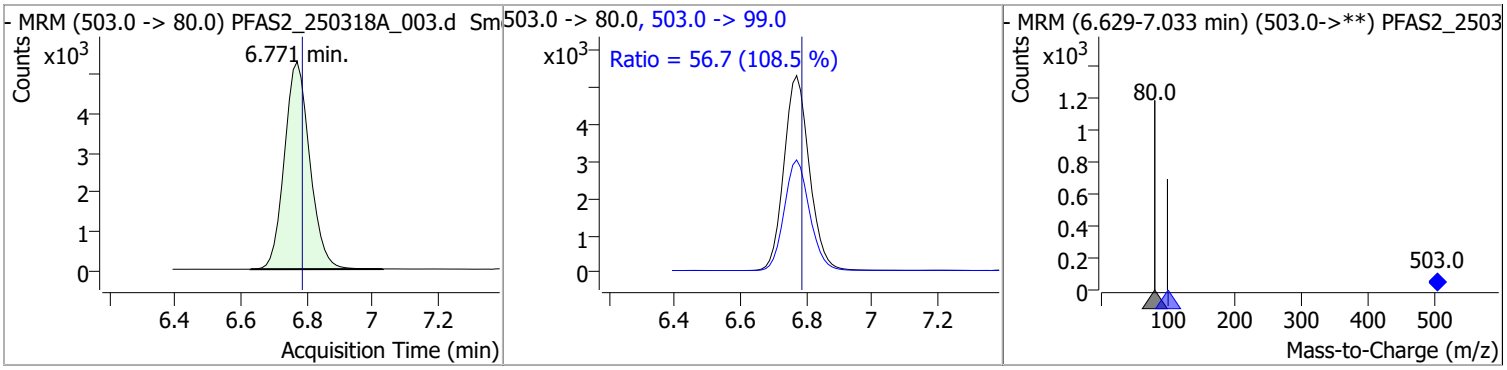
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.1961	6.73	-0.01	2075	570.0 -> 482.9	41.9	29.5	54.9



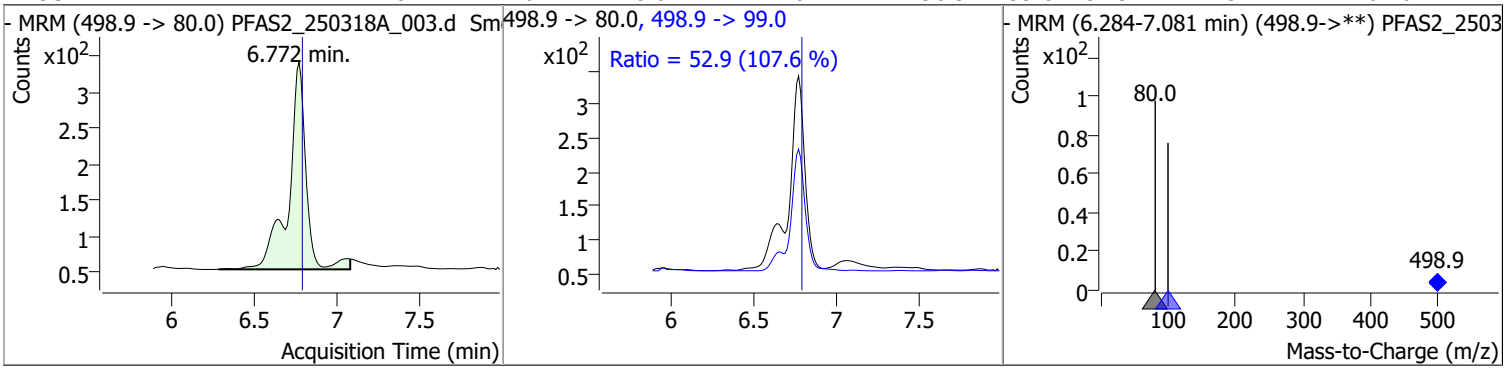
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5224	6.77	-0.01	28830	507.0 -> 99.0	57.4	36.0	66.9



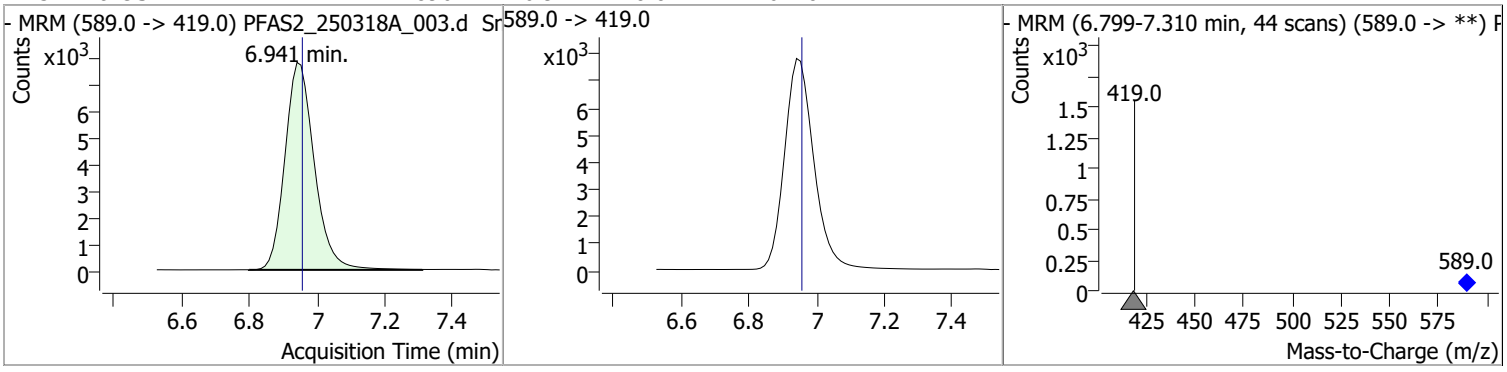
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	28163	503.0 -> 99.0	56.7	36.6	67.9



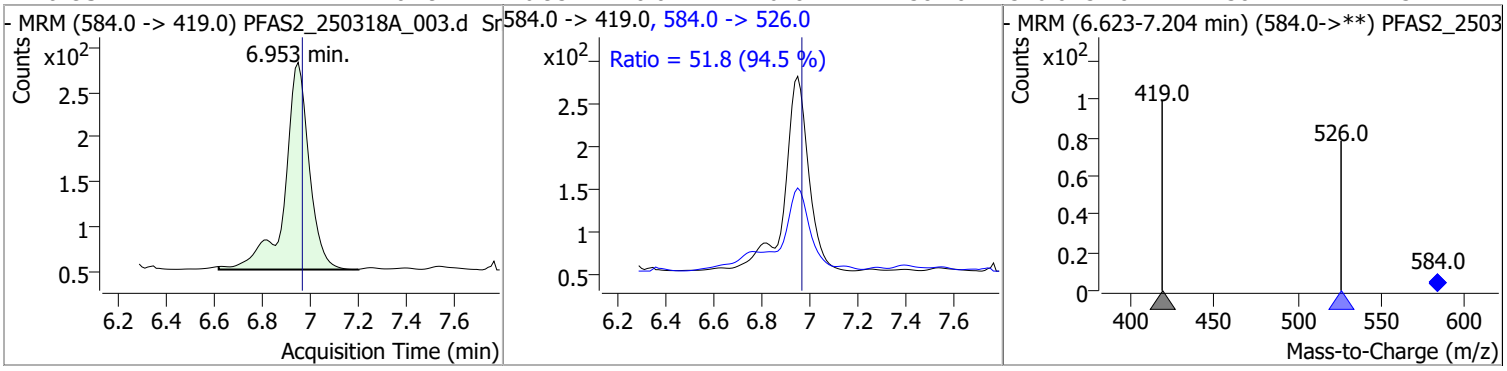
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.2141	6.77	-0.01	2126	498.9 -> 99.0	52.9	34.4	64.0



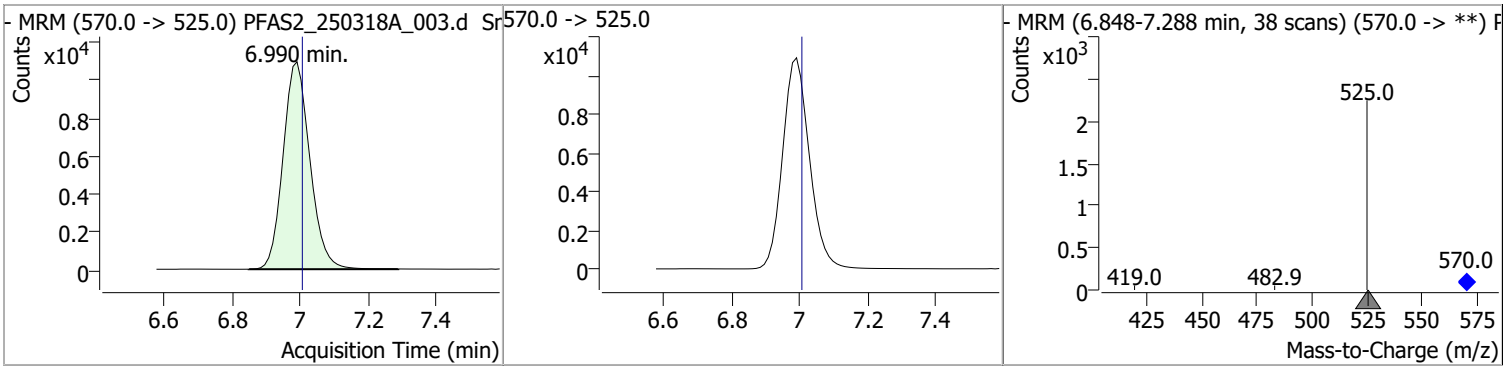
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8962	6.94	-0.01	46710				



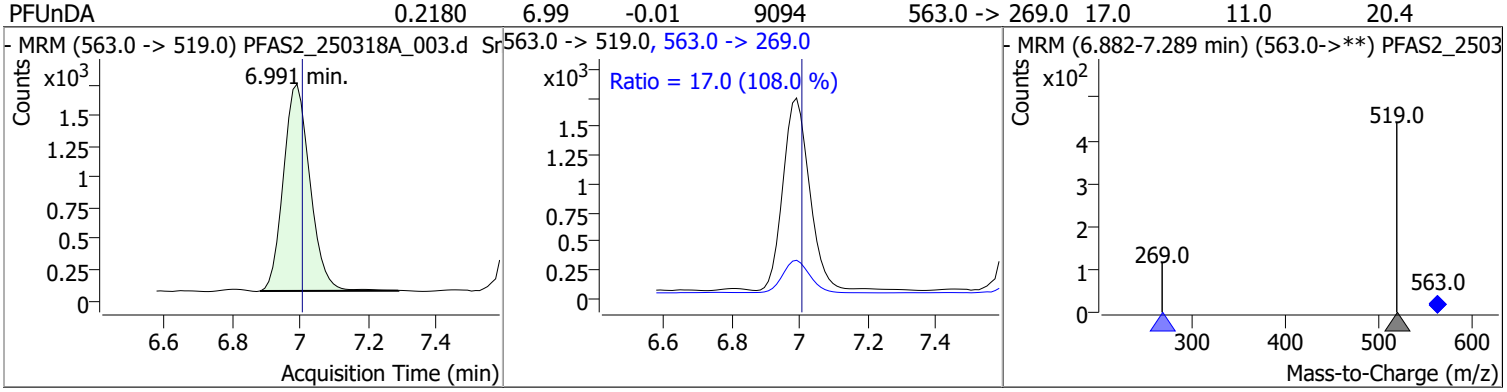
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.1941	6.95	-0.01	1618	584.0 -> 526.0	51.8	38.4	71.3



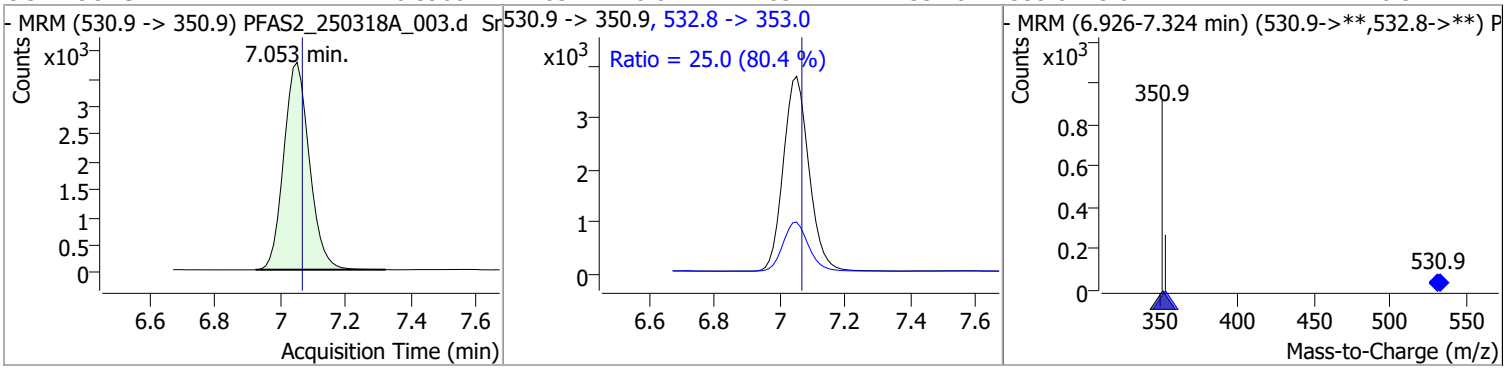
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2139	6.99	-0.01	59634				



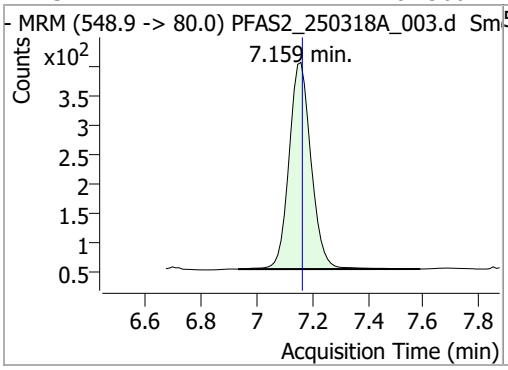
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.2180	6.99	-0.01	9094	563.0 -> 269.0	17.0	11.0	20.4

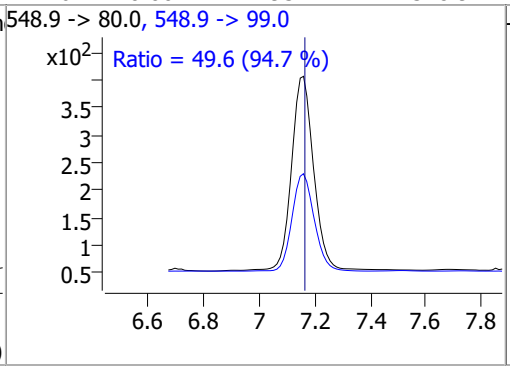


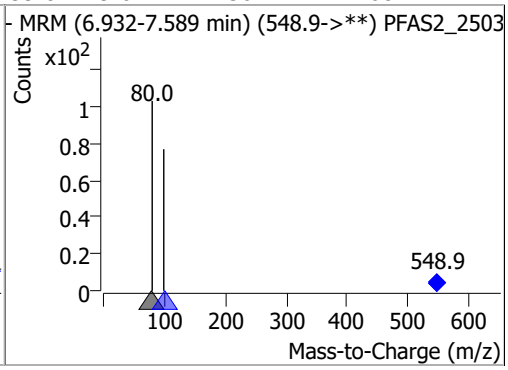
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.3980	7.05	-0.01	20342	532.8 -> 353.0	25.0	21.7	40.3



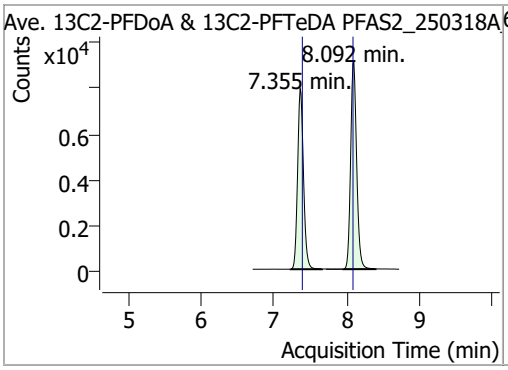
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.1966	7.16	0.00	1934	548.9 -> 99.0	49.6	36.7	68.1

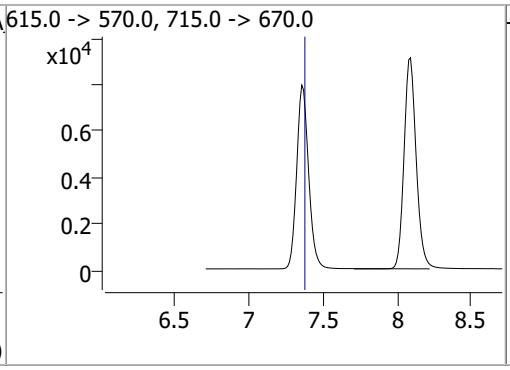


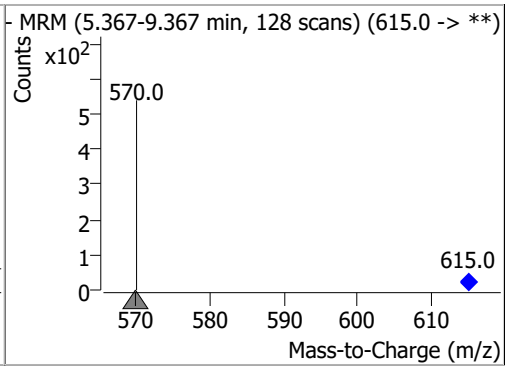




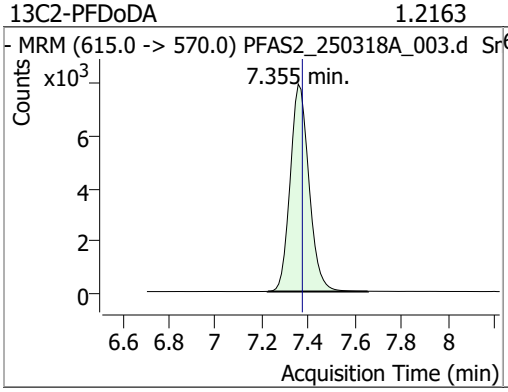
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1954	7.72	0.36	48401				

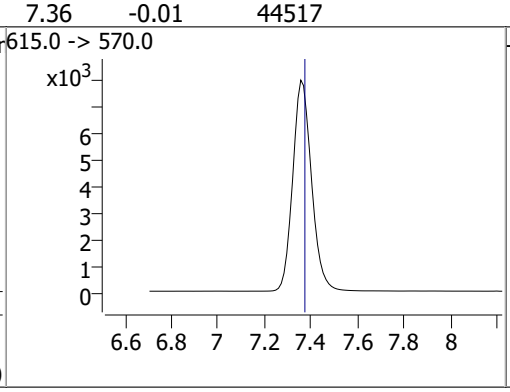


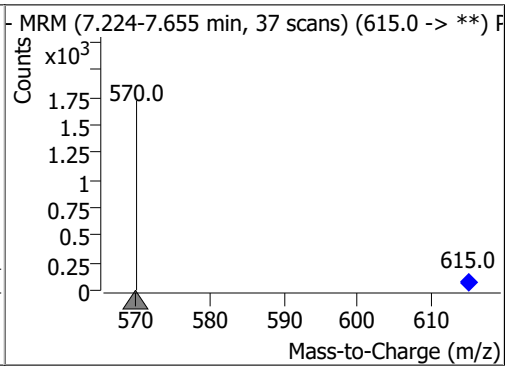




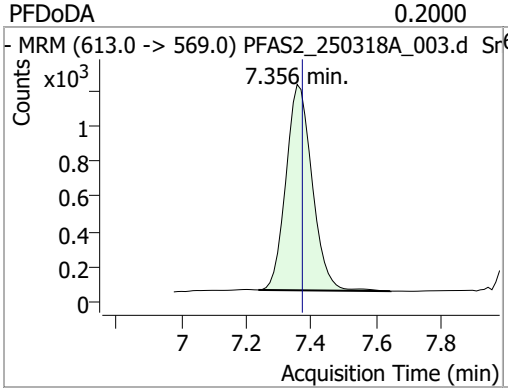
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2163	7.36	-0.01	44517				

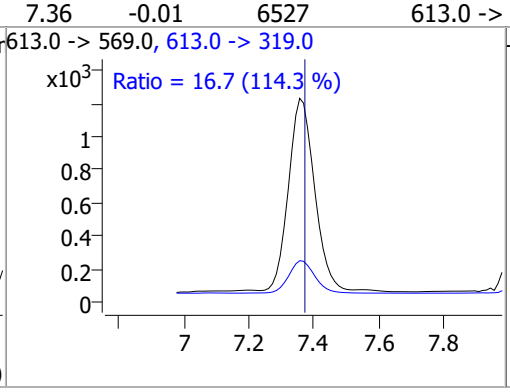


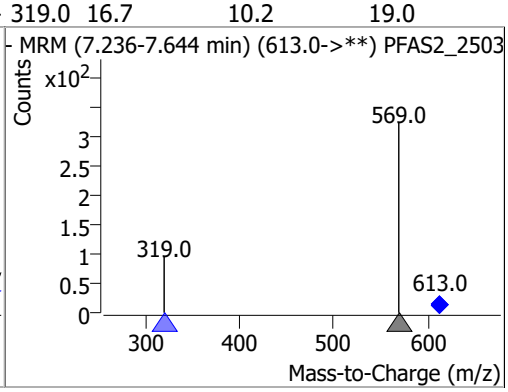




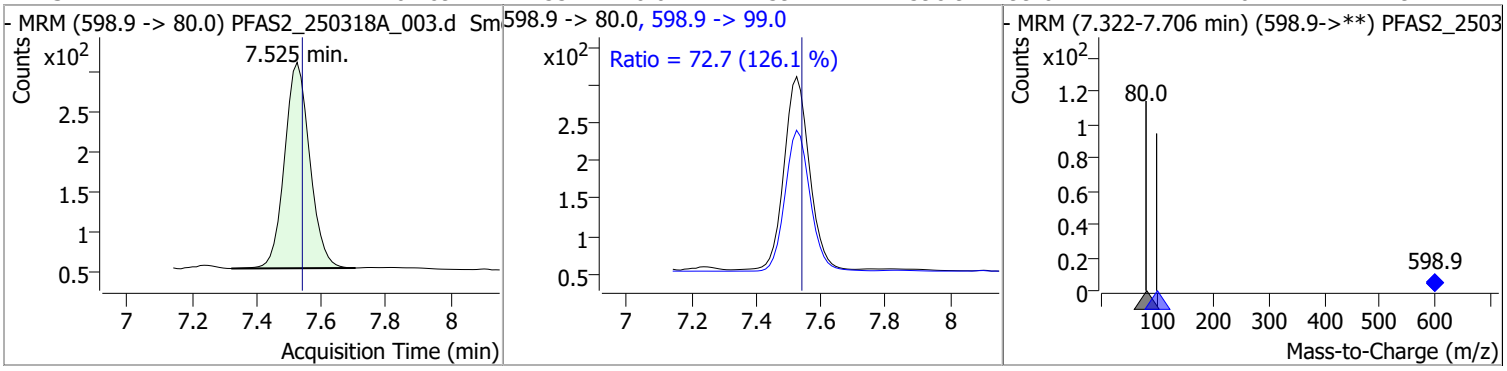
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.2000	7.36	-0.01	6527	613.0 -> 319.0	16.7	10.2	19.0



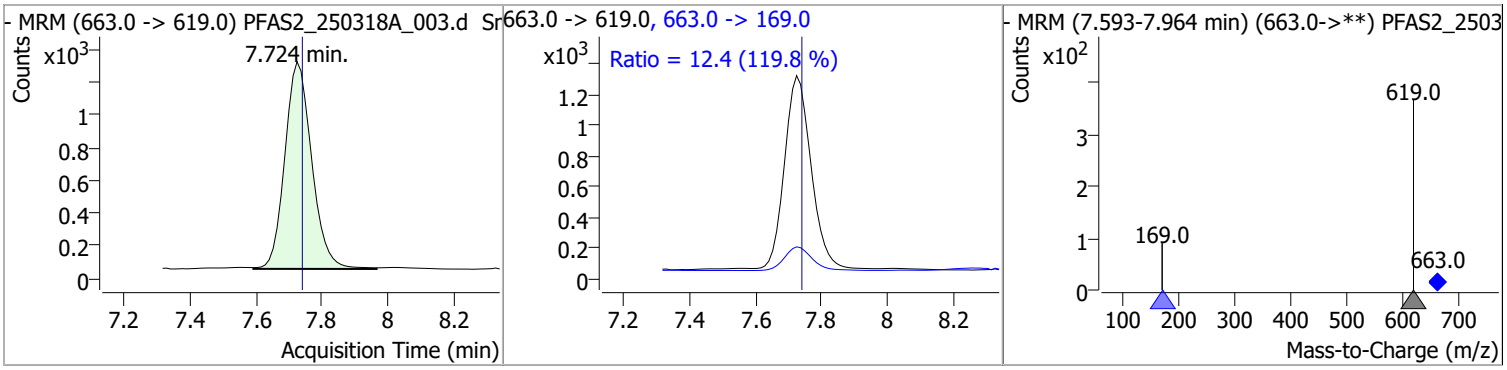




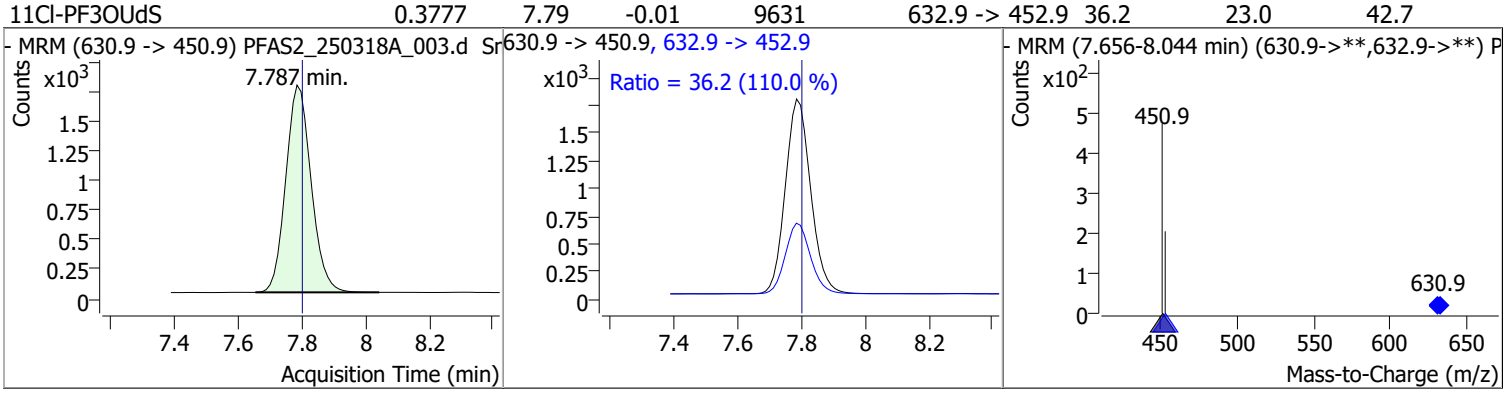
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.1894	7.53	-0.01	1392	598.9 -> 99.0	72.7	40.4	74.9



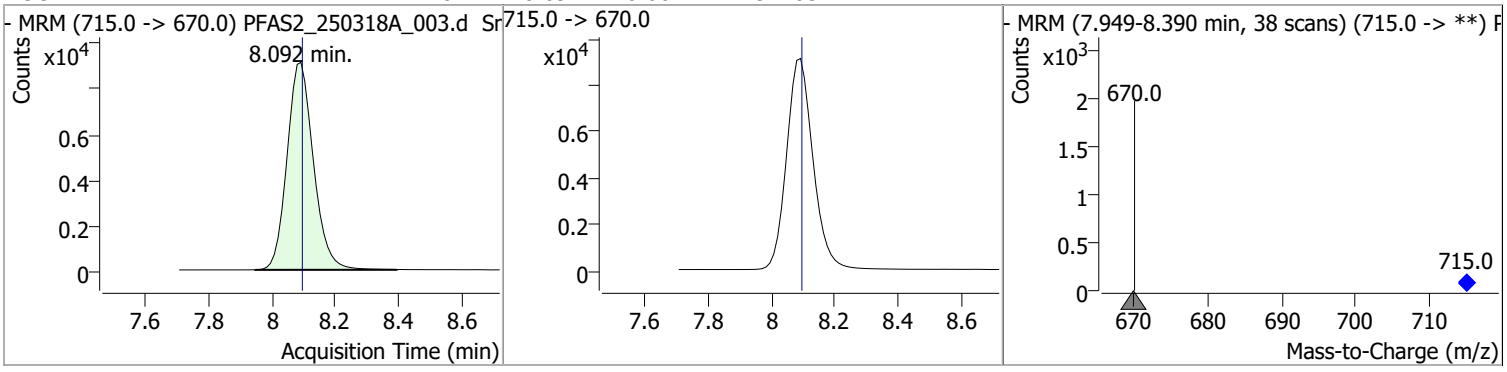
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.1955	7.72	-0.01	7130	663.0 -> 169.0	12.4	7.2	13.4



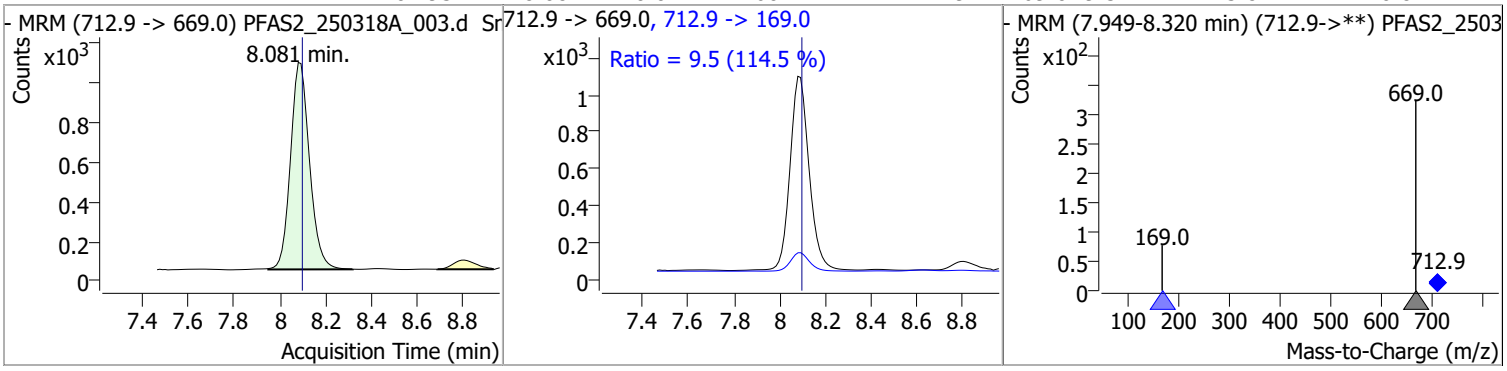
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.3777	7.79	-0.01	9631	632.9 -> 452.9	36.2	23.0	42.7



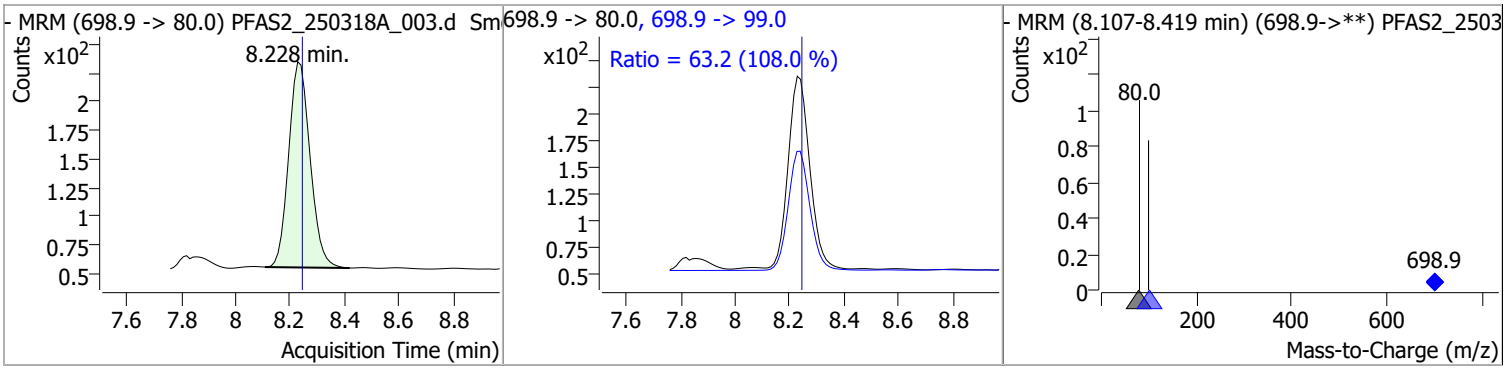
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1781	8.09	0.00	52285				



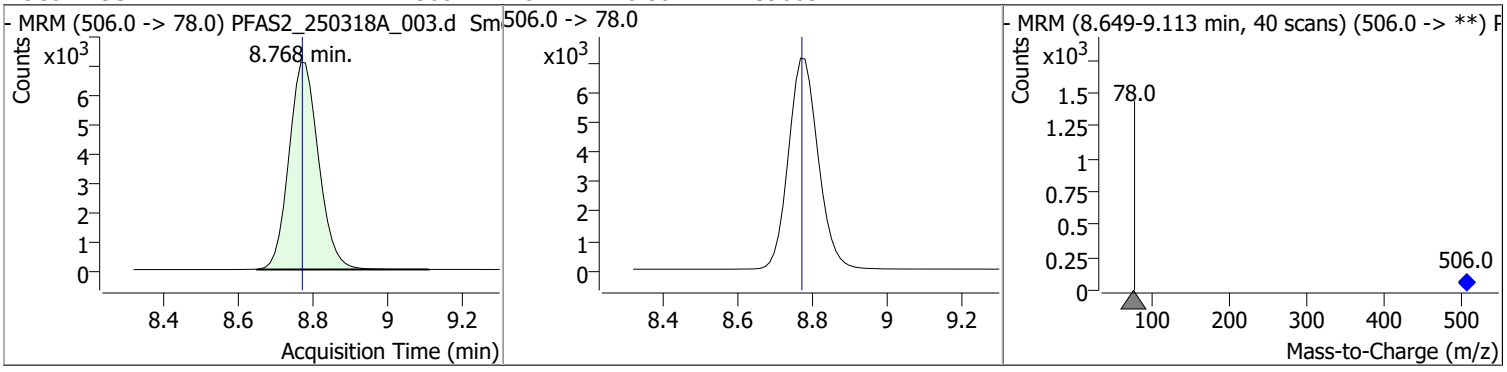
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.1937	8.08	-0.01	6017	712.9 -> 169.0	9.5	5.8	10.8



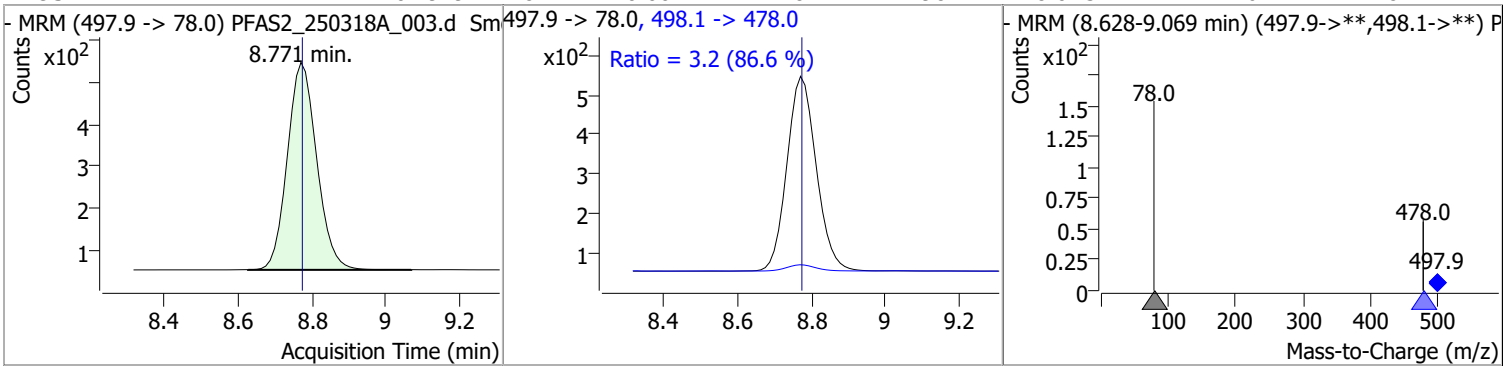
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.1903	8.23	-0.01	978	698.9 -> 99.0	63.2	41.0	76.1



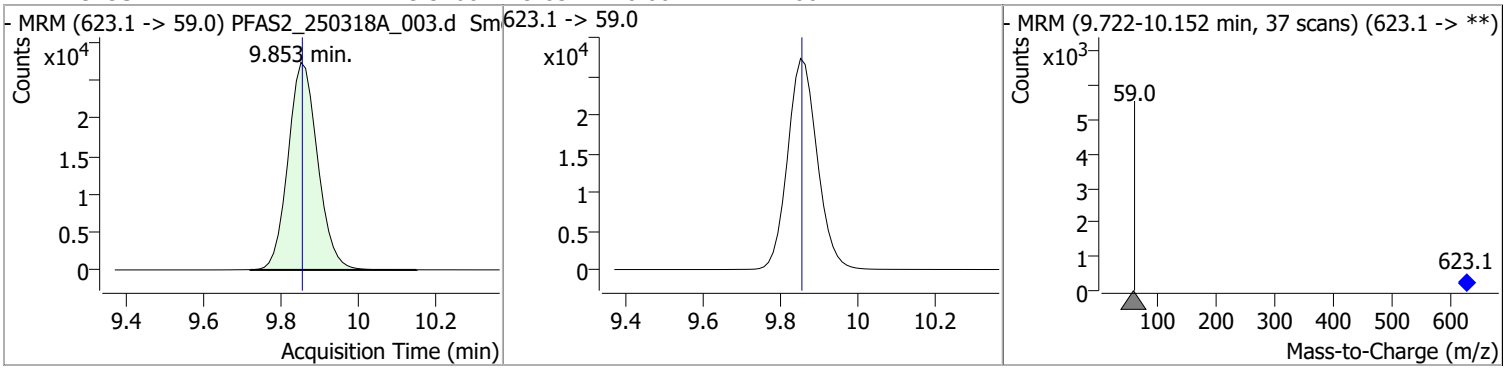
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3682	8.77	0.00	39665				



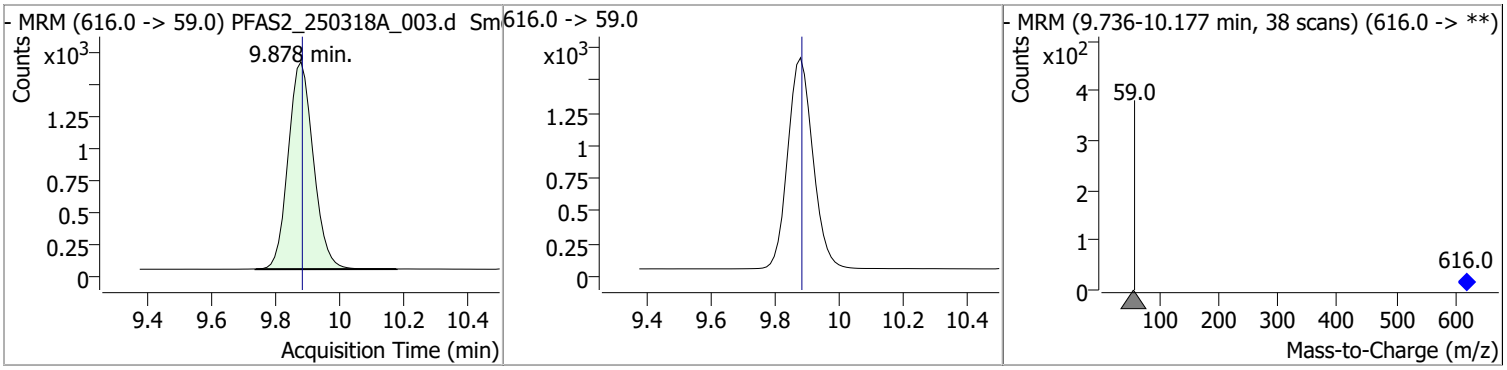
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.1979	8.77	0.00	2728	498.1 -> 478.0	3.2	2.6	4.8



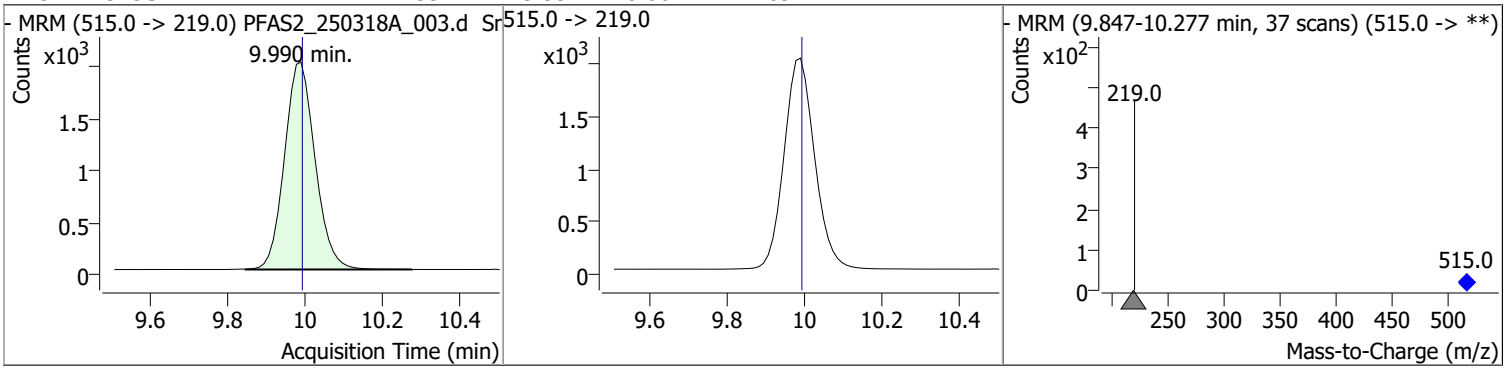
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.5168	9.85	0.00	144881				



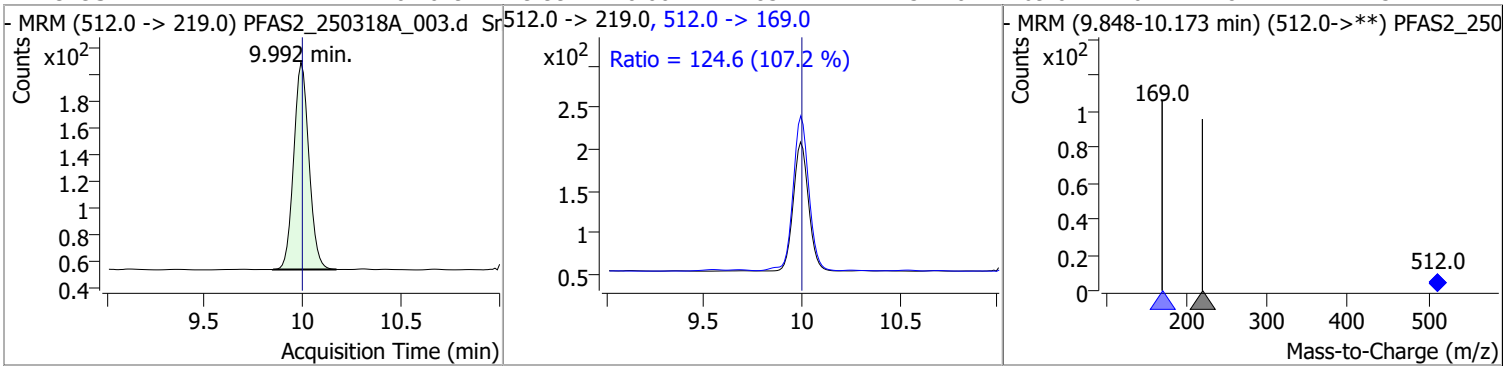
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	1.9778	9.88	0.00	8829				



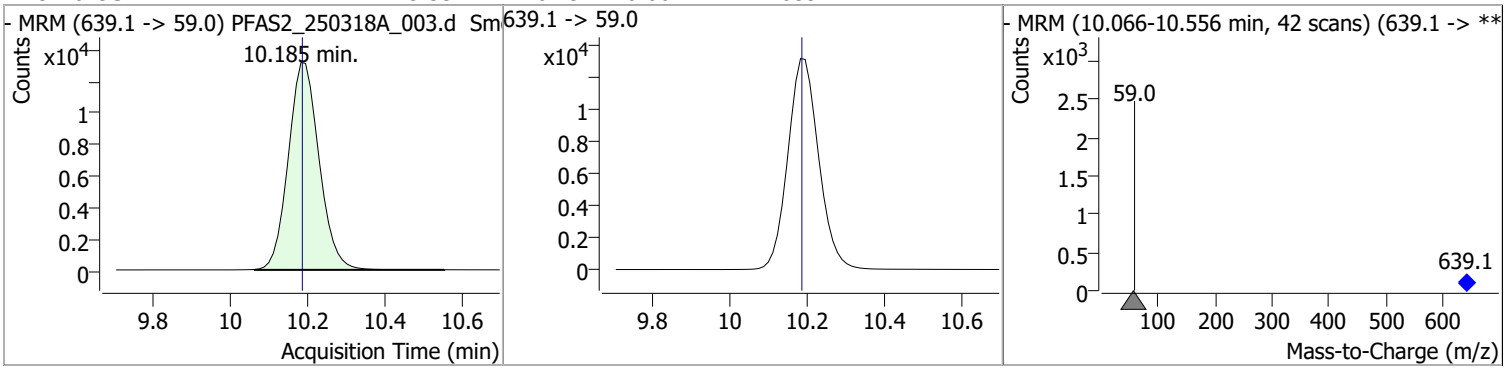
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3347	9.99	0.00	10974				



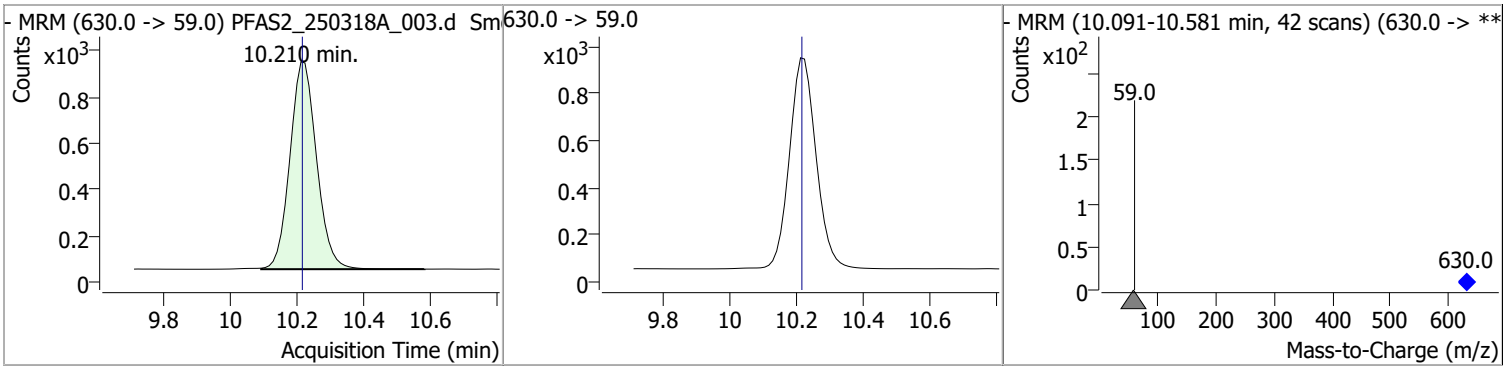
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.2019	9.99	0.00	834	512.0 -> 169.0	124.6	81.4	151.2



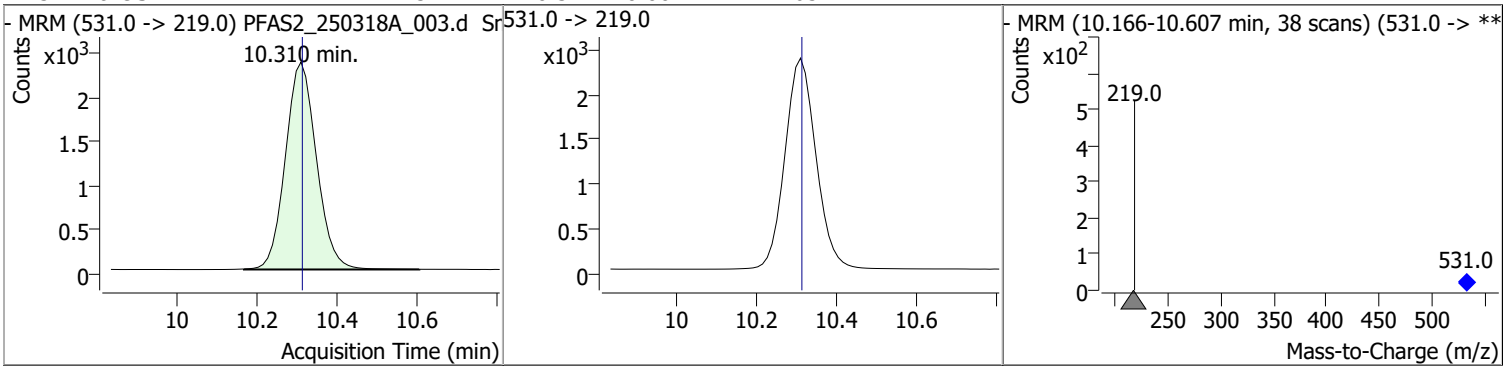
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.3511	10.19	0.00	72839				



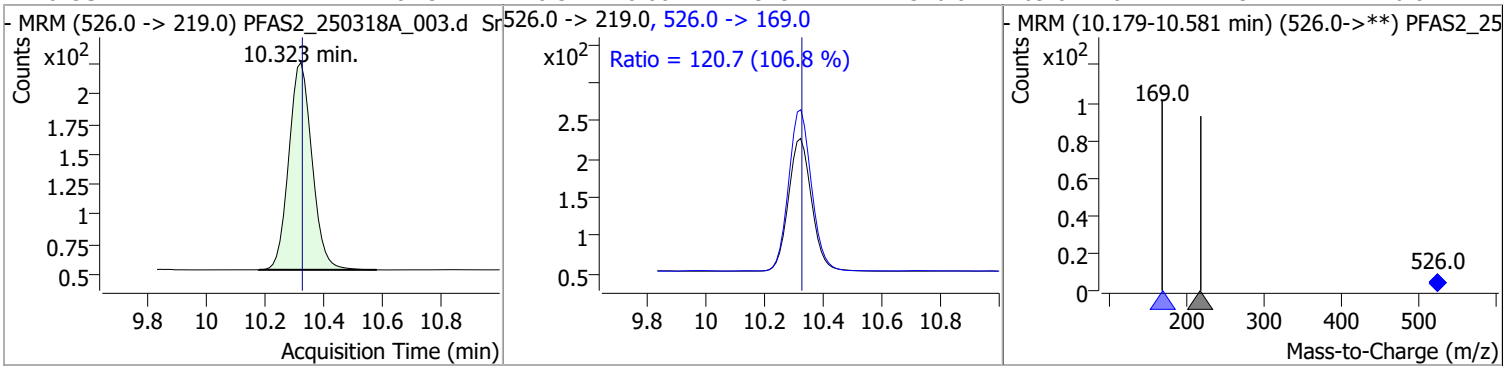
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	1.9180	10.21	0.00	4992				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5114	10.31	0.00	12765				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.1927	10.32	0.00	949	526.0 -> 169.0	120.7	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_012.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:45:23 PM
Sample Name	SEQ-CAL10	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

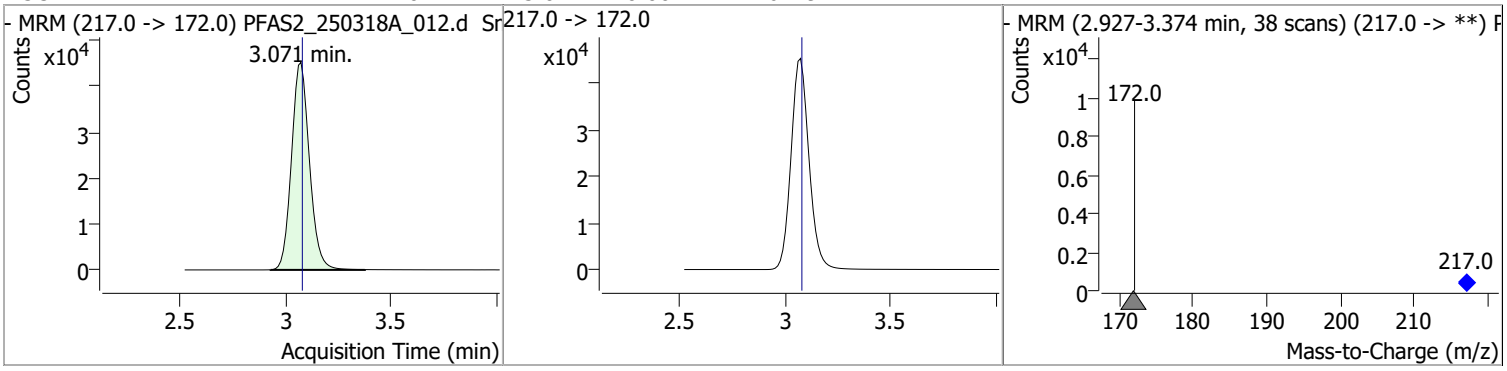
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	116247	5.0000	µg/L		-15.051
13C2-PFHxA	4.890	315.0 -> 270.0	138045	2.5000	µg/L		-10.024
18O2-PFHxS	5.955	403.0 -> 84.0	25905	2.5000	µg/L		-12.572
13C4-PFOA	5.823	417.0 -> 172.0	13926	2.5000	µg/L		-9.849
13C5-PFNA	6.226	468.0 -> 423.0	62059	1.2500	µg/L		-12.805
13C2-PFDA	6.615	515.0 -> 470.0	57101	1.2500	µg/L		-14.618
13C4-PFOS	6.783	503.0 -> 80.0	22104	2.5000	µg/L		-11.262
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	267197	10.0000	µg/L		-14.038
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.15%			
13C5-PFPeA	4.222	268.0 -> 223.0	179855	5.0000	µg/L		-13.079
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.61%			
13C5-PFPeA	4.222	268.0 -> 223.0	179855	5.0000	µg/L		-13.079
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.61%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	18358	5.0000	µg/L	#	-27.338
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.45%			
13C5-PFHxA	4.889	318.0 -> 273.0	150573	2.5000	µg/L		-10.822
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.09%			
13C5-PFHxA	4.889	318.0 -> 273.0	150573	2.5000	µg/L		-10.822
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.09%			
13C3-PFBS	4.917	302.0 -> 80.0	50822	2.5000	µg/L		-16.305
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.83%			
13C3-PFBS	4.917	302.0 -> 80.0	50822	2.5000	µg/L		-16.305
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.83%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	151102	10.0000	µg/L		-13.543
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.09%			
13C4-PFHpA	5.397	367.0 -> 322.0	157608	2.5000	µg/L		-16.560
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.77%			
13C3-PFHxS	5.956	402.0 -> 80.0	29628	2.5000	µg/L		-15.224
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.99%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12372	5.0000	µg/L	#	-16.226
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.92%			
13C8-PFOA	5.823	421.0 -> 376.0	155111	2.5000	µg/L		-10.206
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.62%			
13C3-PFHxS	5.956	402.0 -> 80.0	29628	2.5000	µg/L		-15.224
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.99%			
13C9-PFNA	6.225	472.0 -> 427.0	61156	1.2500	µg/L		-13.210
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.49%			
13C8-PFOS	6.782	507.0 -> 80.0	21482	2.5000	µg/L		-15.037
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.78%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	10793	5.0000	µg/L		-8.883
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.08%			
13C6-PFDA	6.615	519.0 -> 474.0	57594	1.2500	µg/L		-15.253
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.16%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51252	5.0000	µg/L		-8.182

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.35%		
13C8-PFOS	6.782	507.0 -> 80.0	21482	2.5000	µg/L	-15.037
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.78%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	36650	5.0000	µg/L	-13.090
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.89%		
13C7-PFUnDA	7.002	570.0 -> 525.0	41982	1.2500	µg/L	-21.680
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.72%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	38567	1.2500	µg/L	-12.577
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.22%		
13C2-PFDoDA	7.367	615.0 -> 570.0	33018	1.2500	µg/L	-17.342
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.82%		
13C2-PFTDA	8.092	715.0 -> 670.0	44116	1.2500	µg/L	-8.635
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 106.68%		
13C8-PFOSA	8.780	506.0 -> 78.0	33769	2.5000	µg/L	-8.635
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.75%		
2H7-MeFOSE	9.853	623.1 -> 59.0	102387	25.0000	µg/L	-18.510
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 91.90%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10093	2.5000	µg/L	-2.660
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 109.43%		
2H9-EtFOSE	10.185	639.1 -> 59.0	56325	25.0000	µg/L	-11.312
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.91%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	9100	2.5000	µg/L	-19.038
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.25%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	4749525	202.5340	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 101.27%		
PFMPA	3.614	229.0 -> 85.0	1779570	102.4708	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 102.47%		
3-3 FTCA	3.778	241.0 -> 177.0	138664	199.9695	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.98%		
PFPeA	4.223	263.0 -> 219.0	3443991	103.3499	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.35%		
PFMBA	4.453	279.0 -> 85.0	2606014	103.0815	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.08%		
4-2 FTSA	4.698	327.0 -> 307.0	2005934	179.7889	µg/L	99
Spiked Amount: 187.500	Range: 70 - 130%			Recovery = 95.89%		
NFDHA	4.823	295.0 -> 201.0	104488	94.3535	µg/L	90
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 94.35%		
PFHxA	4.892	313.0 -> 269.0	2827083	52.4702	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 104.94%		
PFBS	4.918	298.9 -> 80.0	934210	44.3006	µg/L	92
Spiked Amount: 44.350	Range: 70 - 130%			Recovery = 99.89%		
HFPO-DA	5.075	285.0 -> 169.0	1450143	108.1713	µg/L	89
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 108.17%		
PFEESA	5.201	314.9 -> 135.0	5624320	87.0493	µg/L	99
Spiked Amount: 89.000	Range: 70 - 130%			Recovery = 97.81%		
PFHpA	5.398	363.0 -> 319.0	3145672	51.5765	µg/L	98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.15%		
5-3 FTCA	5.447	341.0 -> 237.0	4587773	989.4644	µg/L	94
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 98.95%		
PFPeS	5.494	348.9 -> 80.0	826682	51.6760	µg/L	87
Spiked Amount: 47.050	Range: 70 - 130%			Recovery = 109.83%		
DONA	5.551	377.0 -> 251.0	8628745	96.5789	µg/L	100
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 102.20%		

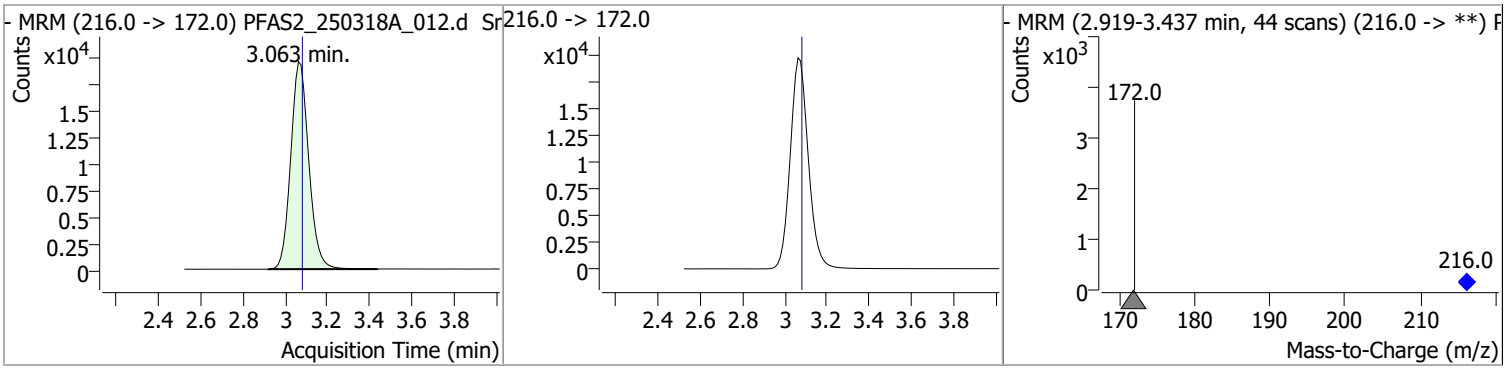
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	1435022	186.3937	µg/L		90
Spiked Amount: 190.000	Range: 70 - 130%			Recovery = 98.10%			
PFOA	5.824	413.0 -> 369.0	3171495	51.5766	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.15%			
PFHxS	5.957	398.9 -> 80.0	566205	49.1325	µg/L		91
Spiked Amount: 45.700	Range: 70 - 130%			Recovery = 107.51%			
PFNA	6.226	463.0 -> 419.0	2393956	50.1428	µg/L		98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 100.29%			
PFHpS	6.382	448.9 -> 80.0	423591	47.4074	µg/L		92
Spiked Amount: 47.650	Range: 70 - 130%			Recovery = 99.49%			
8-2 FTSA	6.436	527.0 -> 507.0	782452	189.4178	µg/L	#	72
Spiked Amount: 192.000	Range: 70 - 130%			Recovery = 98.66%			
7-3 FTCA	6.597	441.0 -> 317.0	3663404	1000.6258	µg/L		94
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 100.06%			
PFDA	6.615	513.0 -> 469.0	2205334	49.5689	µg/L		92
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.14%			
N-MeFOSAA	6.742	570.0 -> 419.0	452332	49.9996	µg/L		99
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 100.00%			
PFOS	6.784	498.9 -> 80.0	405313	46.8474	µg/L		97
Spiked Amount: 46.400	Range: 70 - 130%			Recovery = 100.96%			
N-EtFOSAA	6.953	584.0 -> 419.0	352049	50.7697	µg/L		91
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 101.54%			
PFUnDA	7.003	563.0 -> 519.0	1559305	49.8769	µg/L		93
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.75%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	3927359	94.6978	µg/L		91
Spiked Amount: 93.500	Range: 70 - 130%			Recovery = 101.28%			
PFNS	7.159	548.9 -> 80.0	365183	49.8339	µg/L		90
Spiked Amount: 48.100	Range: 70 - 130%			Recovery = 103.60%			
PFDoDA	7.368	613.0 -> 569.0	1209470	49.9677	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.94%			
PFDS	7.537	598.9 -> 80.0	279083	50.9709	µg/L		95
Spiked Amount: 48.250	Range: 70 - 130%			Recovery = 105.64%			
PFTrDA	7.736	663.0 -> 619.0	1337573	46.0293	µg/L		94
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 92.06%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1819498	90.9094	µg/L		96
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 96.20%			
PFTDA	8.093	712.9 -> 669.0	1315861	48.7268	µg/L		97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 97.45%			
PFDoS	8.240	698.9 -> 80.0	139410	36.4118	µg/L		96
Spiked Amount: 48.500	Range: 70 - 130%			Recovery = 75.08%			
PFOSA	8.771	497.9 -> 78.0	579477	49.3745	µg/L		98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 98.75%			
MeFOSE	9.878	616.0 -> 59.0	1473791	494.8041	µg/L		100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 98.96%			
N-MeFOSA	9.992	512.0 -> 219.0	183873	48.4347	µg/L		88
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 96.87%			
EtFOSE	10.210	630.0 -> 59.0	935741	491.7967	µg/L		100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 98.36%			
N-EtFOSA	10.323	526.0 -> 219.0	179021	51.0017	µg/L		96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 102.00%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

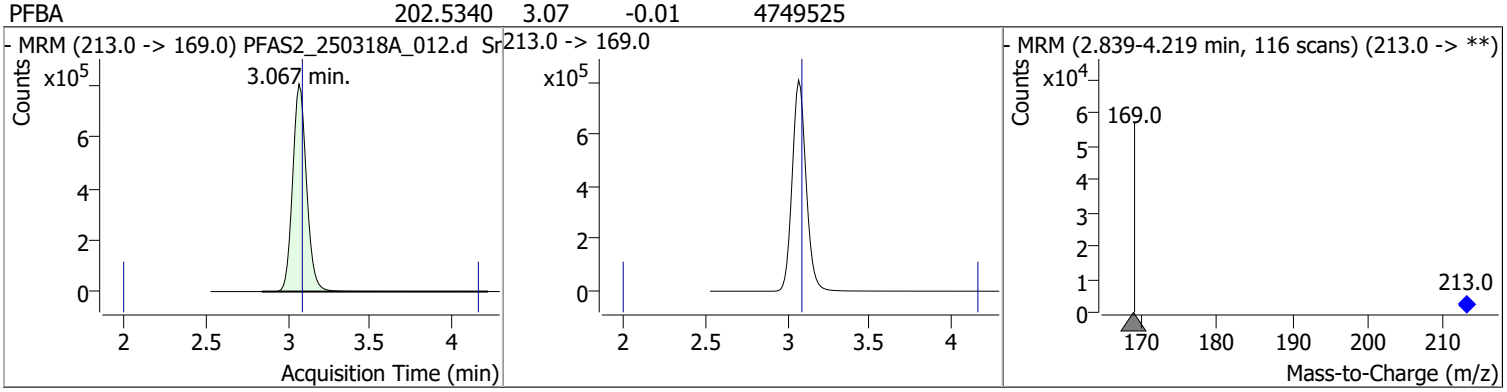
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.1147	3.07	0.00	267197				



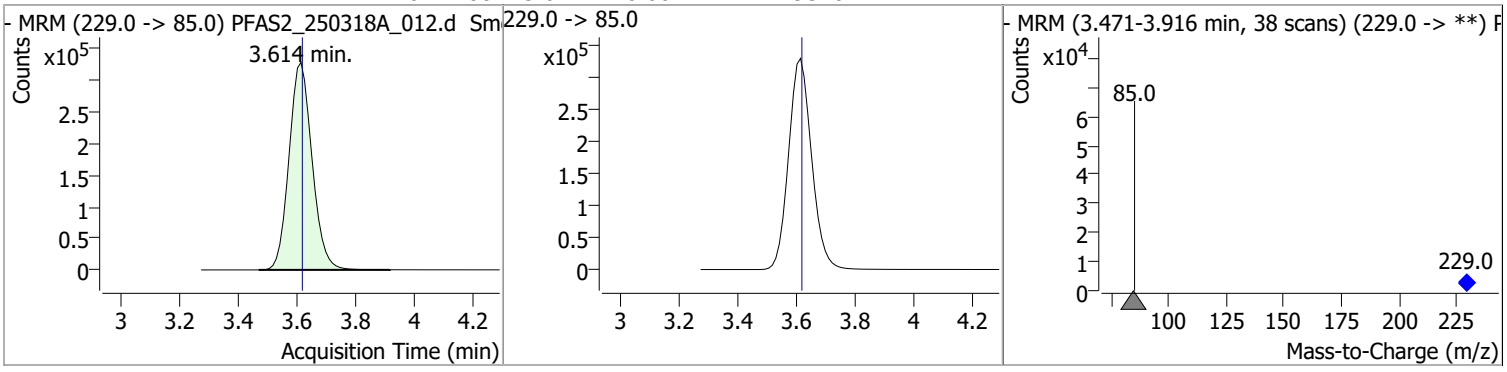
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	116247				



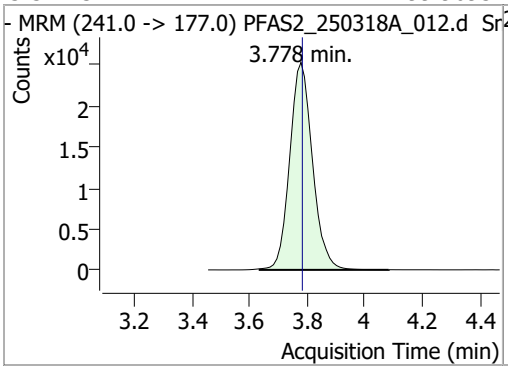
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	202.5340	3.07	-0.01	4749525				

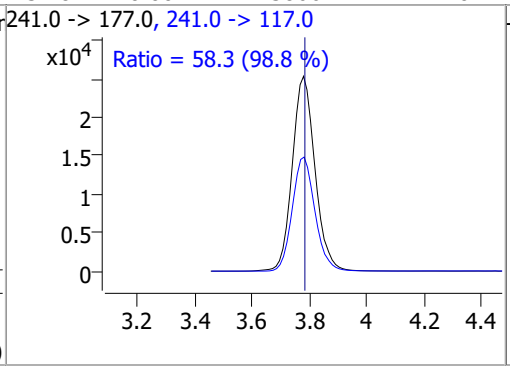


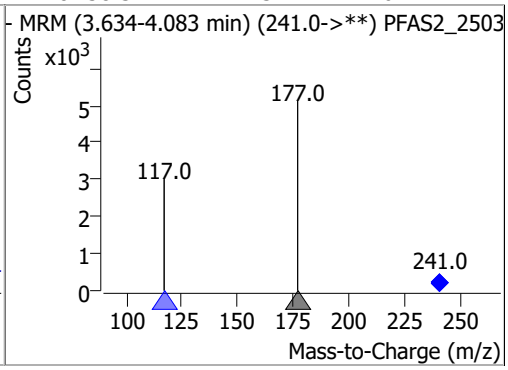
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	102.4708	3.61	0.00	1779570				



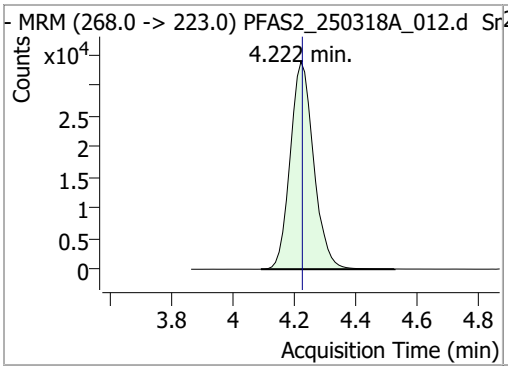
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	199.9695	3.78	0.00	138664	241.0 -> 117.0	58.3	41.3	76.7

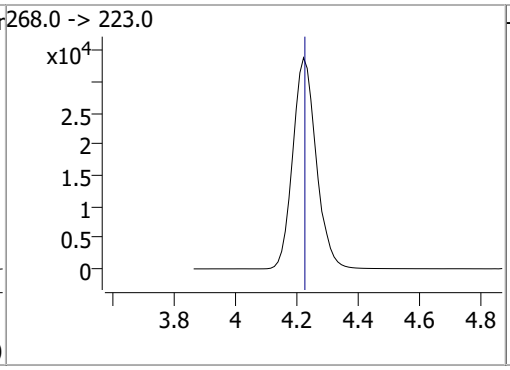


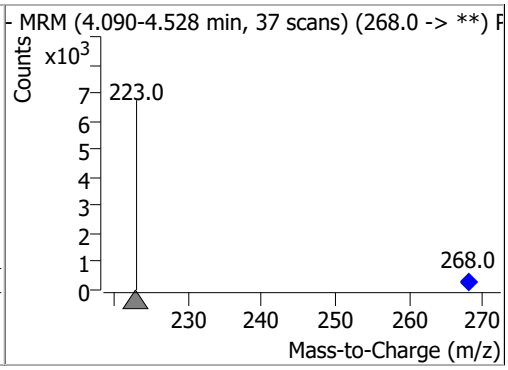




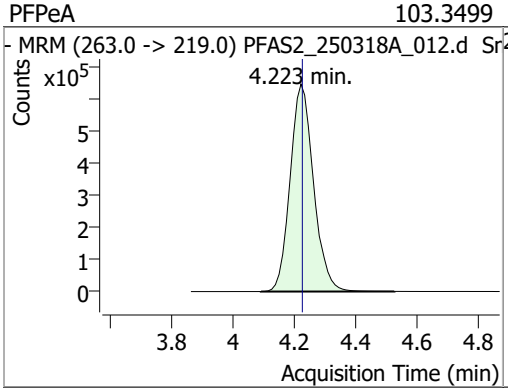
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8305	4.22	0.00	179855				

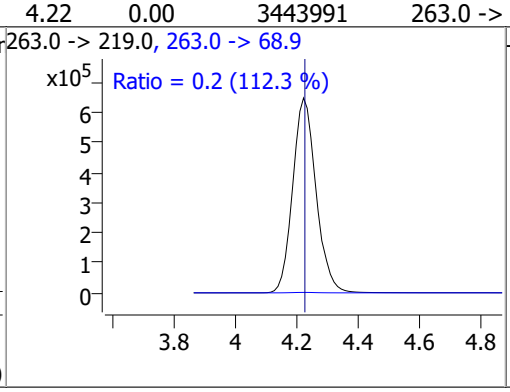


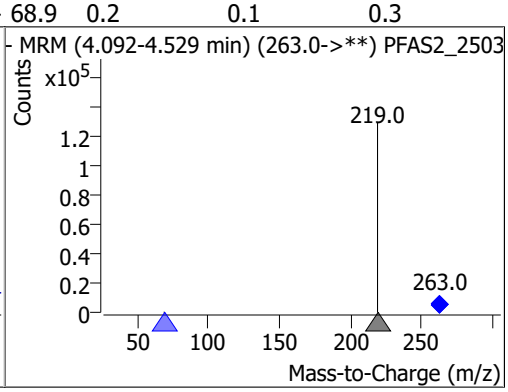




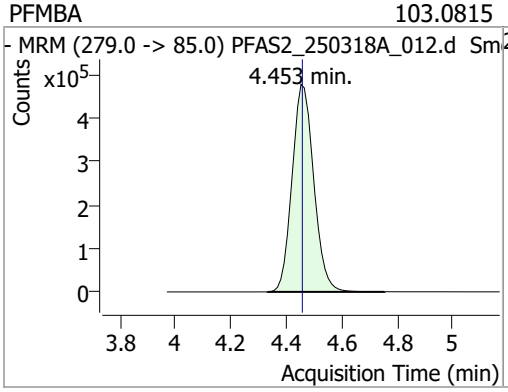
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	103.3499	4.22	0.00	3443991	263.0 -> 68.9	0.2	0.1	0.3

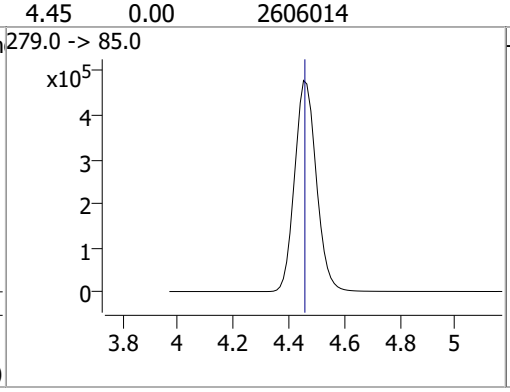


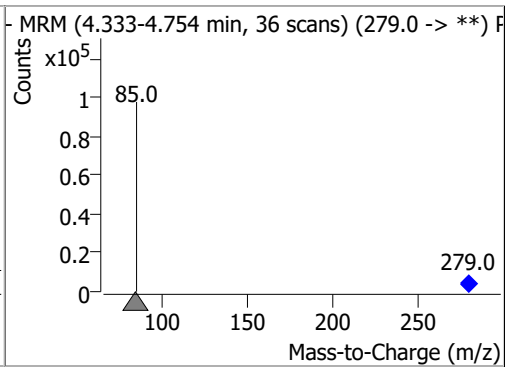




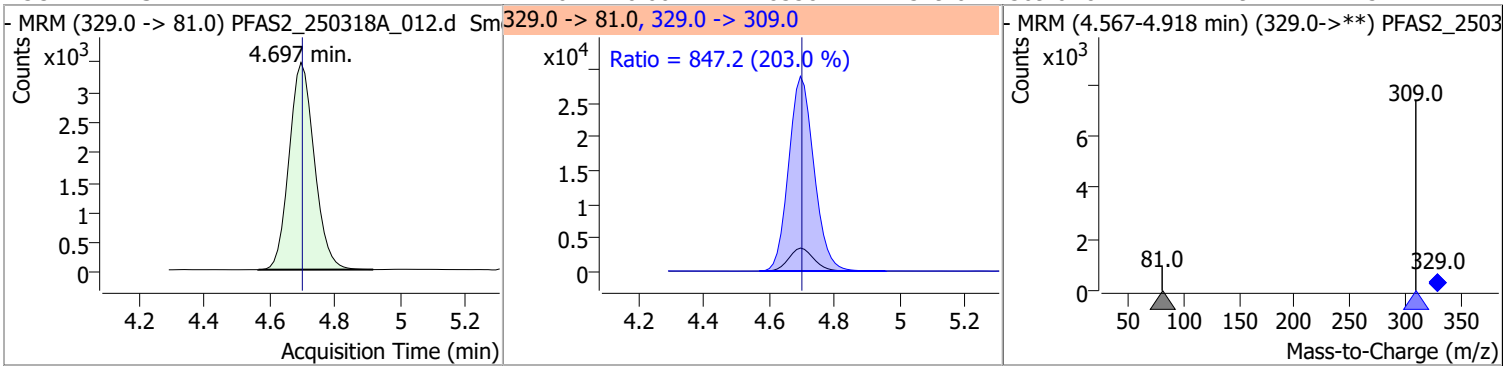
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	103.0815	4.45	0.00	2606014				



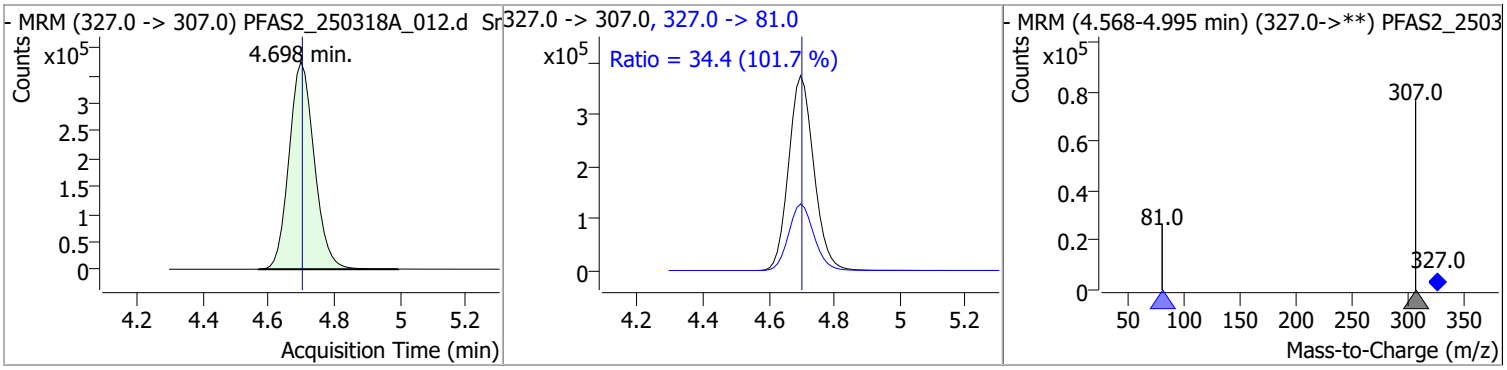




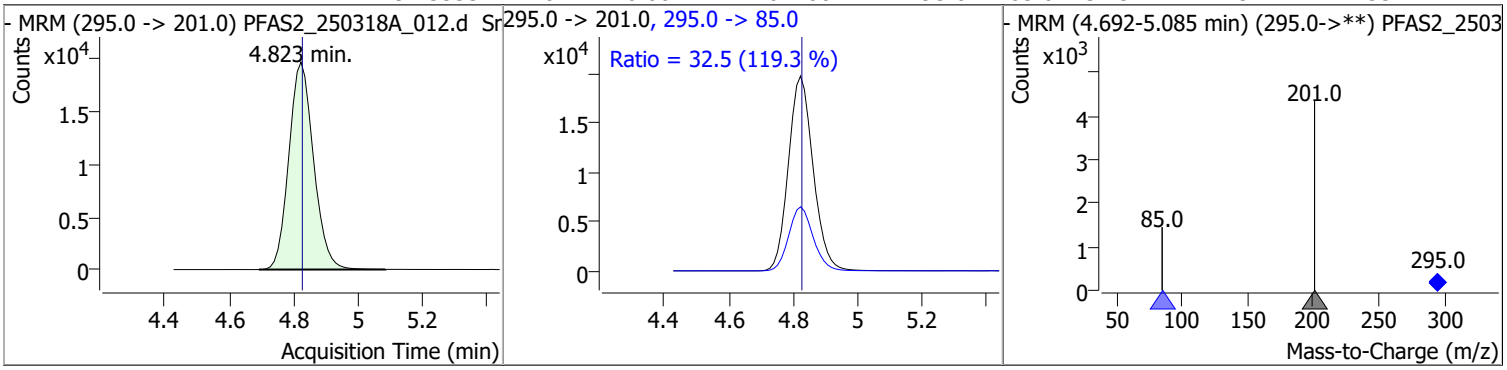
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1724	4.70	0.00	18358	329.0 -> 309.0	847.2	292.1	542.4



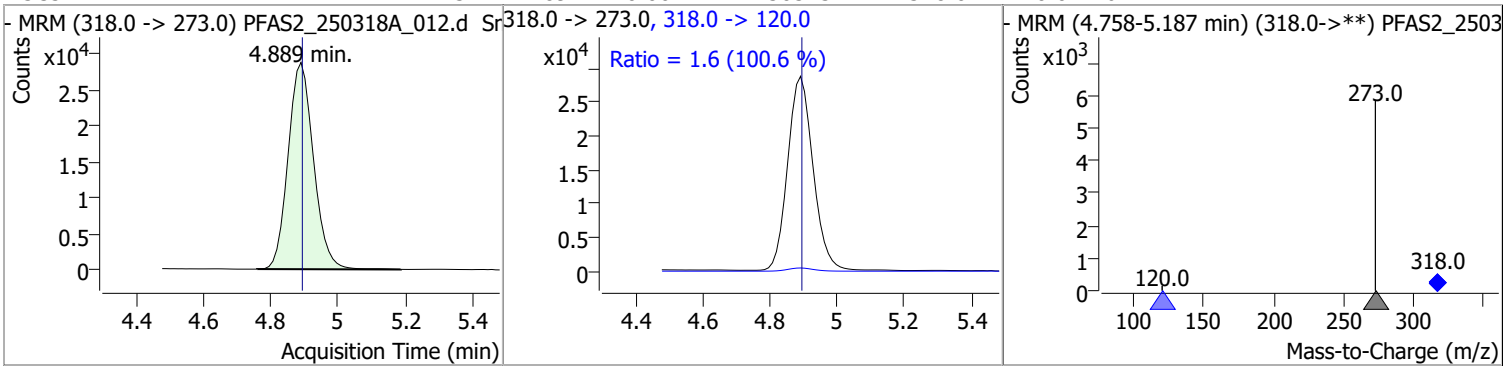
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	179.7889	4.70	0.00	2005934	327.0 -> 81.0	34.4	23.6	43.9



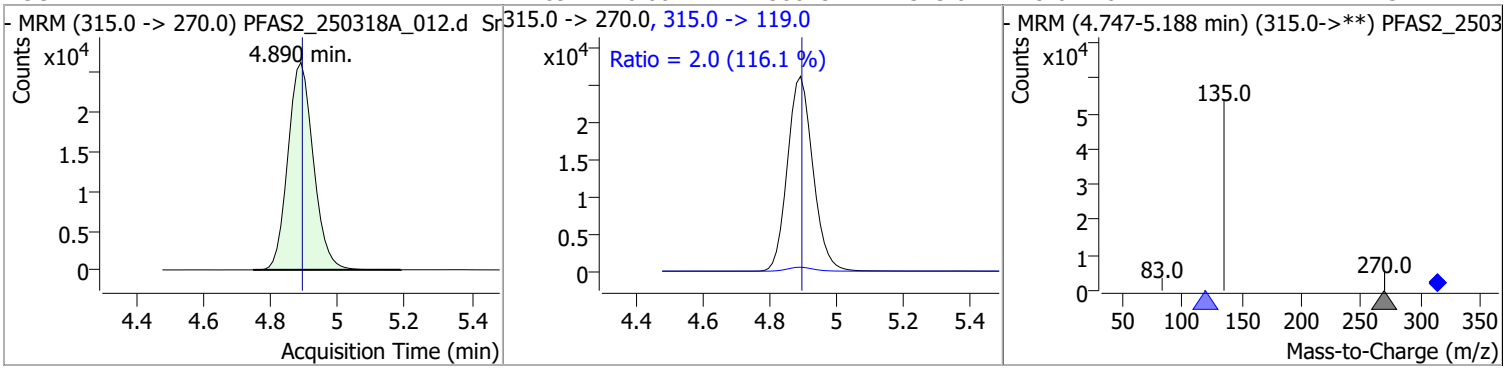
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	94.3535	4.82	0.00	104488	295.0 -> 85.0	32.5	19.1	35.4



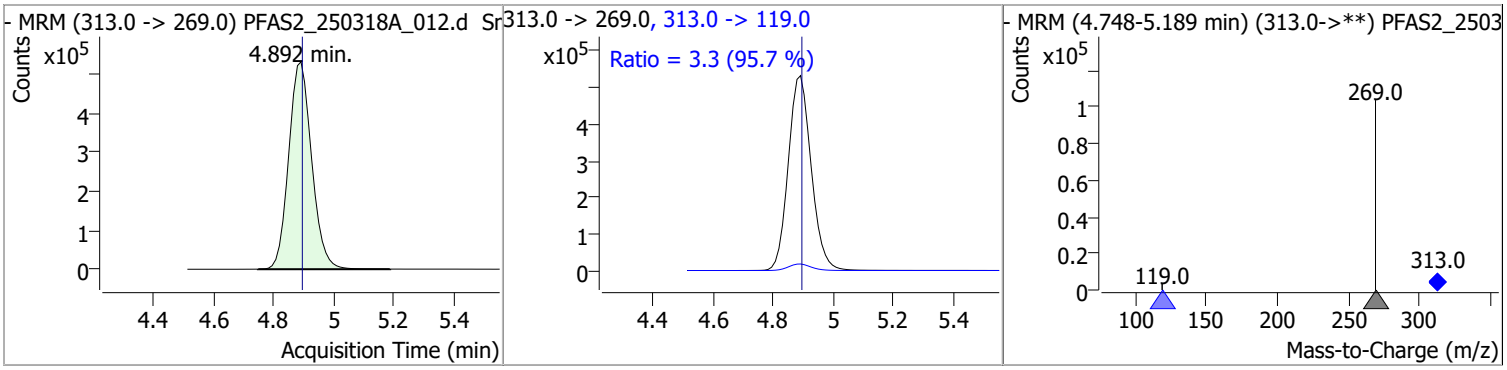
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4773	4.89	0.00	150573	318.0 -> 120.0	1.6	1.1	2.1



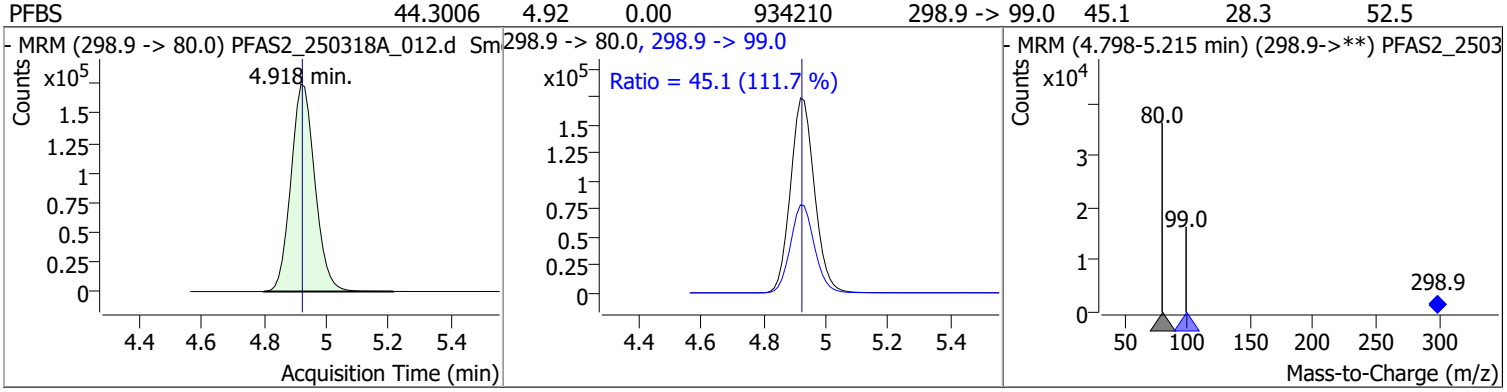
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	138045	315.0 -> 119.0	2.0	1.2	2.3



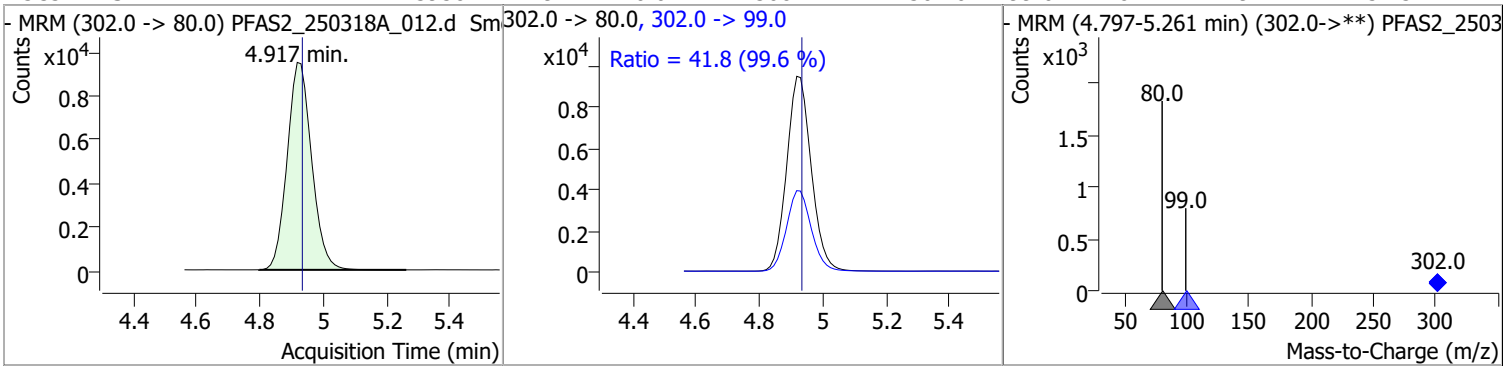
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	52.4702	4.89	0.00	2827083	313.0 -> 119.0	3.3	2.4	4.5



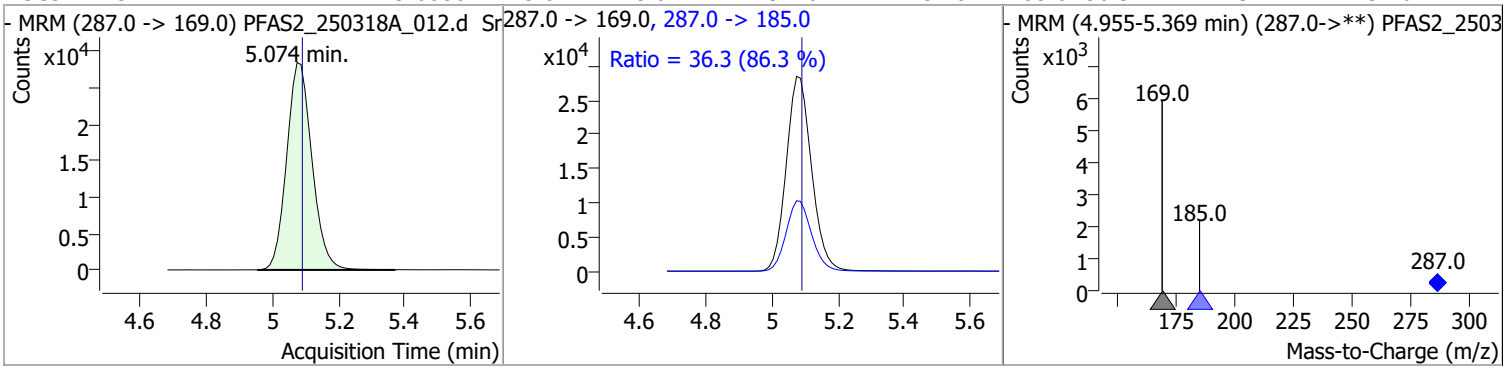
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	44.3006	4.92	0.00	934210	298.9 -> 99.0	45.1	28.3	52.5



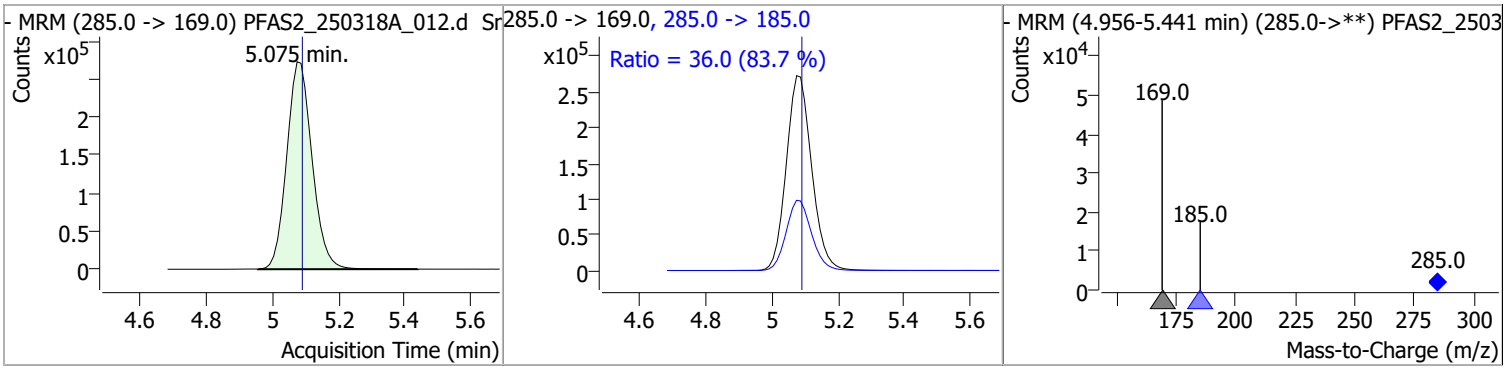
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3958	4.92	-0.01	50822	302.0 -> 99.0	41.8	29.4	54.5



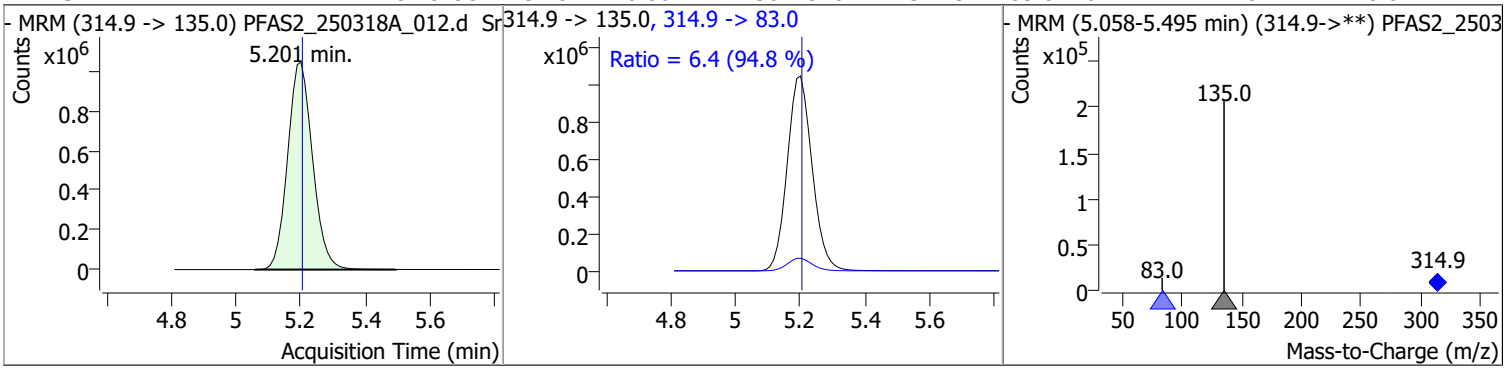
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6086	5.07	-0.01	151102	287.0 -> 185.0	36.3	29.4	54.6



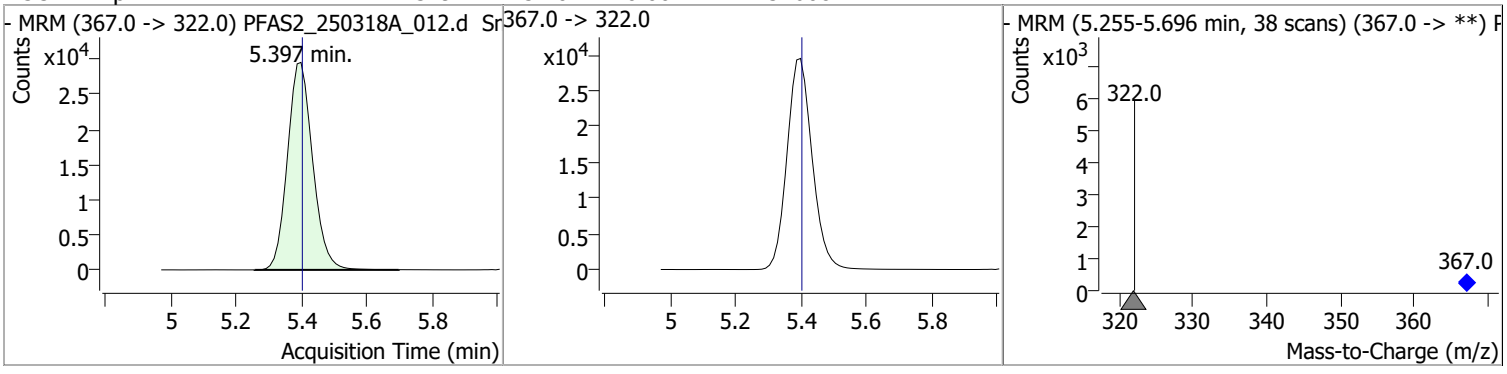
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	108.1713	5.07	-0.01	1450143	285.0 -> 185.0	36.0	30.1	56.0



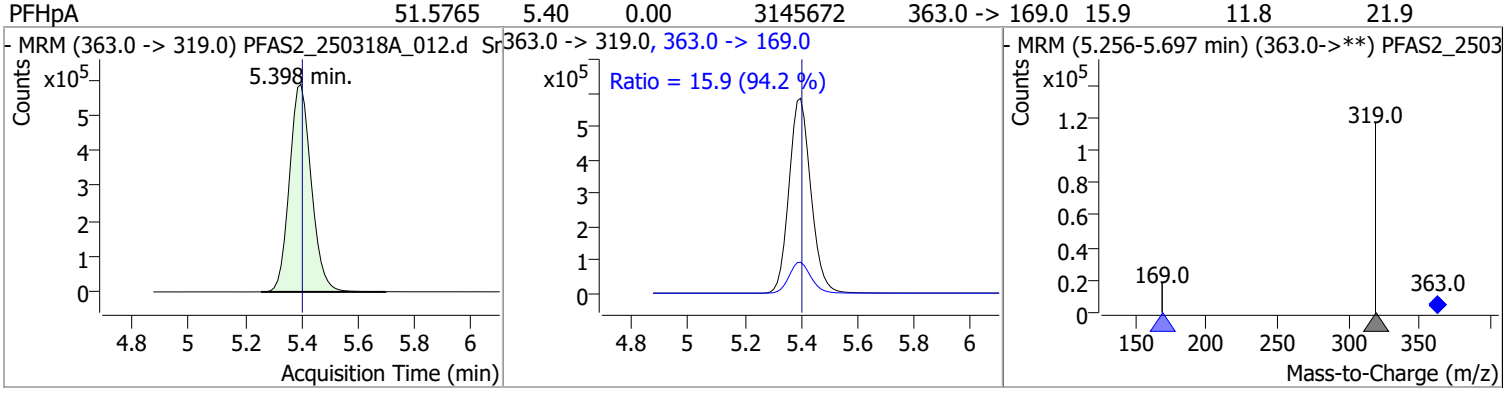
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	87.0493	5.20	0.00	5624320	314.9 -> 83.0	6.4	4.8	8.8



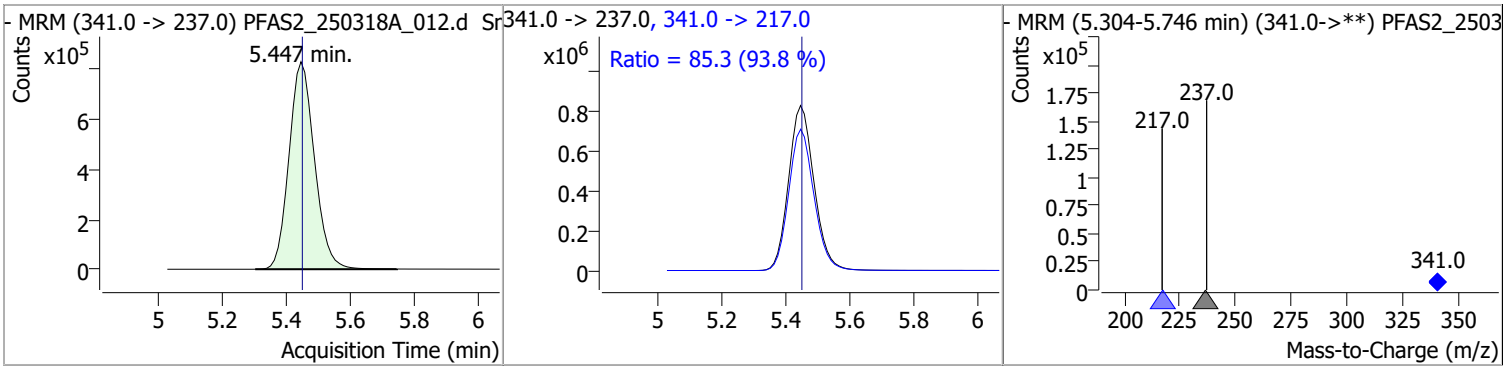
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3191	5.40	0.00	157608				



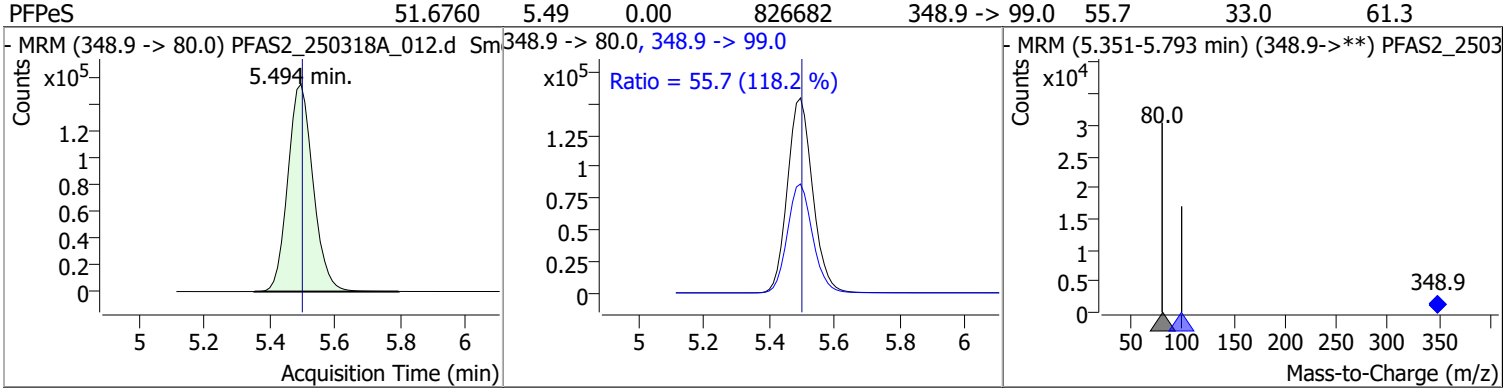
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	51.5765	5.40	0.00	3145672	363.0 -> 169.0	15.9	11.8	21.9



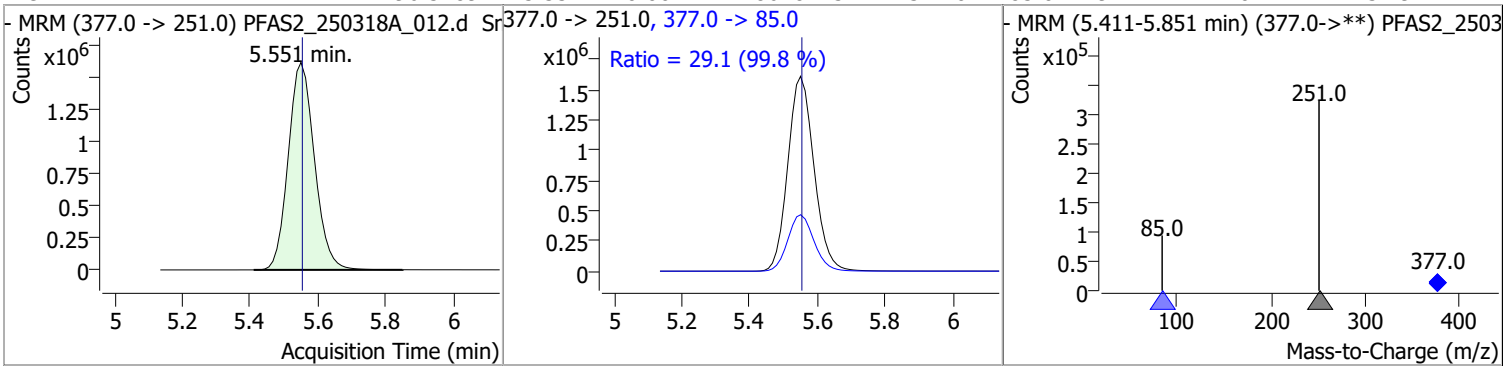
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	989.4644	5.45	0.00	4587773	341.0 -> 217.0	85.3	63.6	118.1



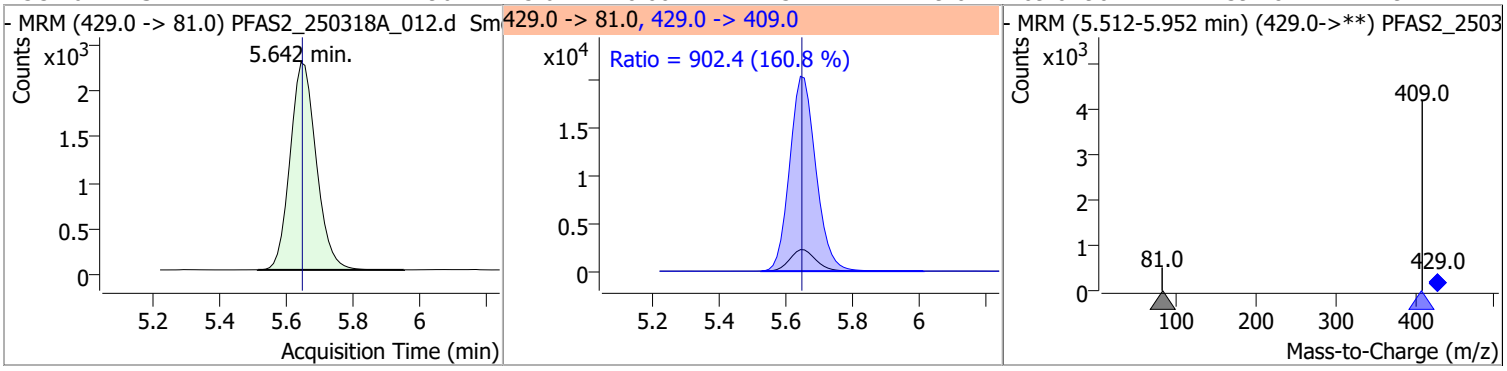
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	51.6760	5.49	0.00	826682	348.9 -> 99.0	55.7	33.0	61.3



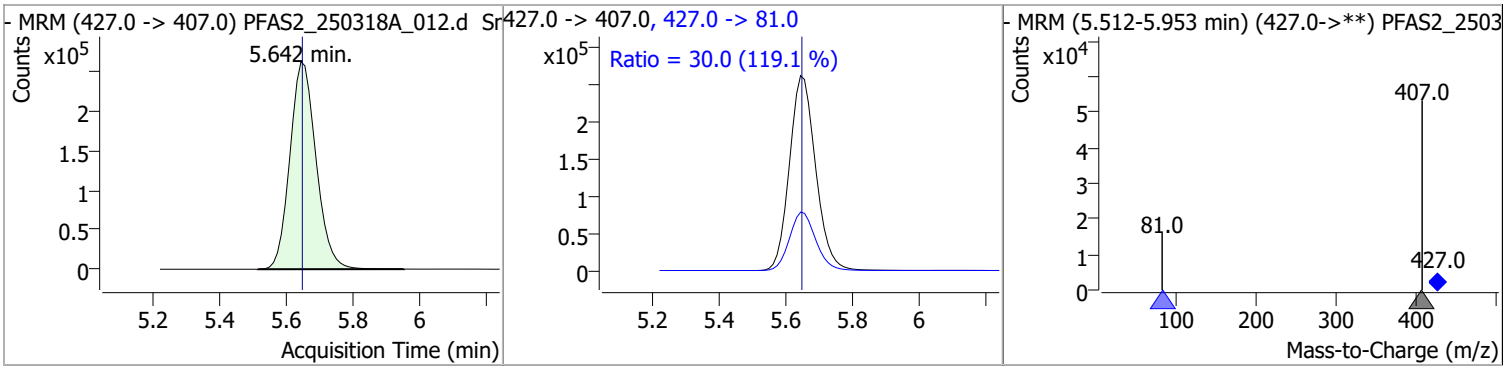
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	96.5789	5.55	0.00	8628745	377.0 -> 85.0	29.1	20.4	37.9



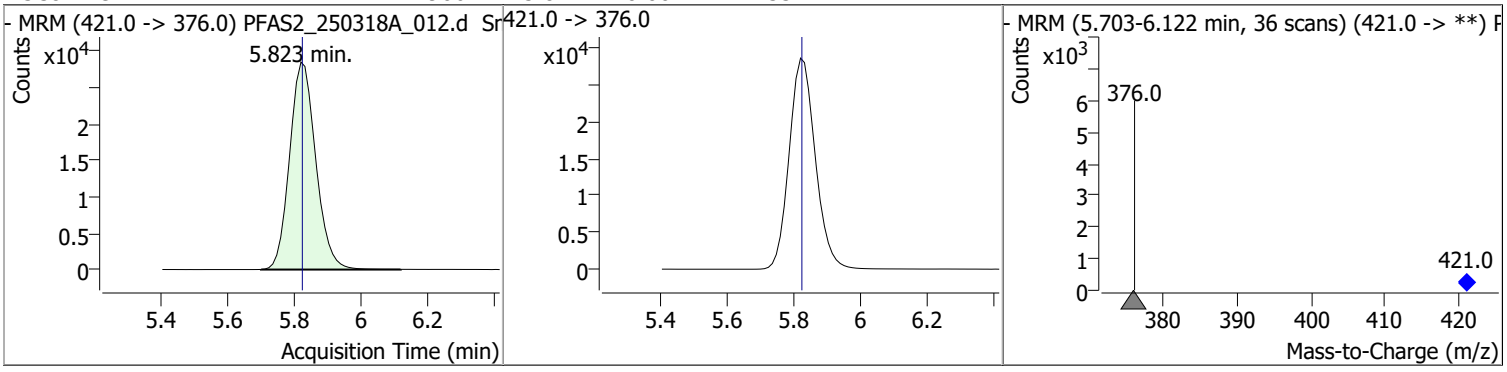
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7962	5.64	0.00	12372	429.0 -> 409.0	902.4	392.8	729.4



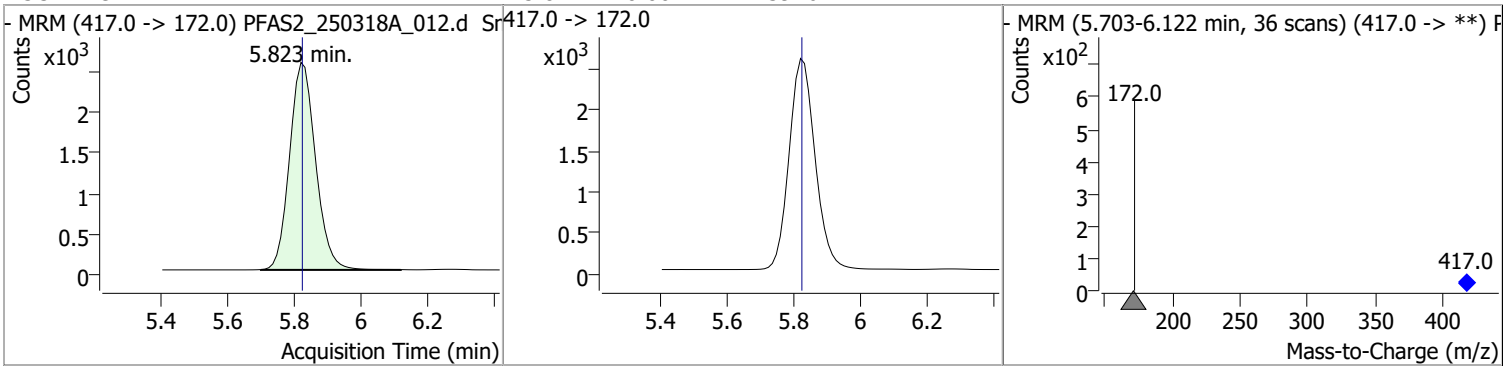
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	186.3937	5.64	0.00	1435022	427.0 -> 81.0	30.0	17.7	32.8



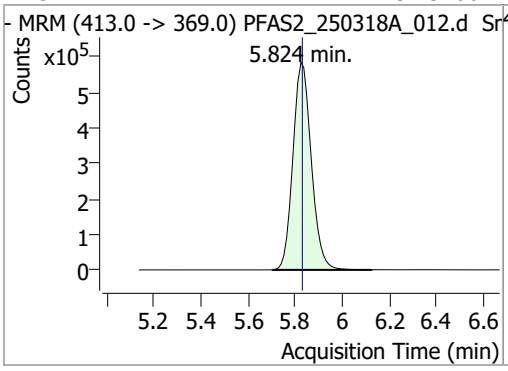
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4906	5.82	0.00	155111				

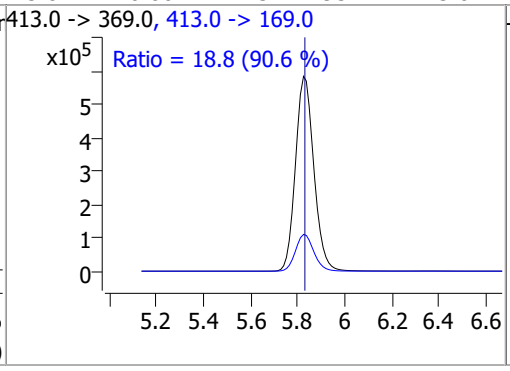


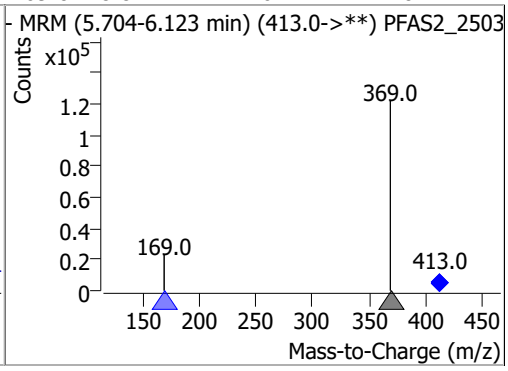
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	13926				



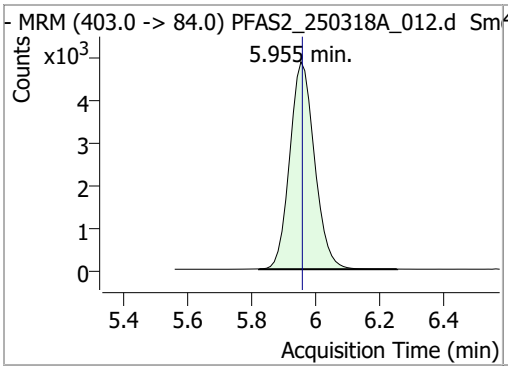
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	51.5766	5.82	0.00	3171495	413.0 -> 169.0	18.8	14.6	27.0

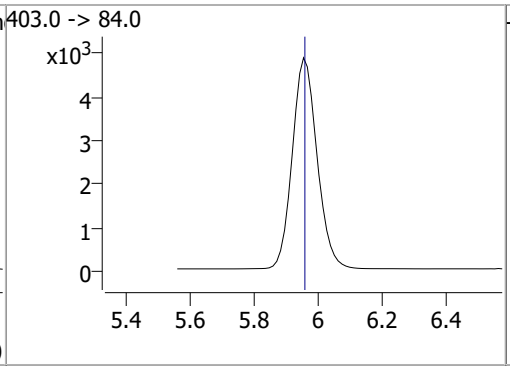


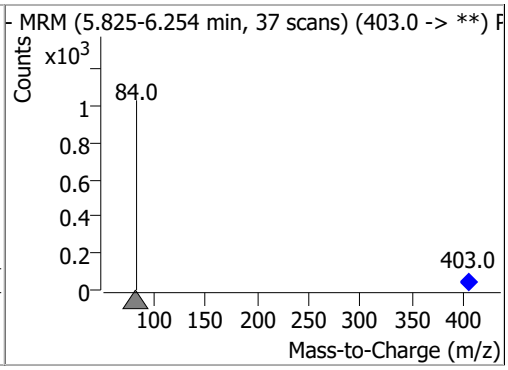




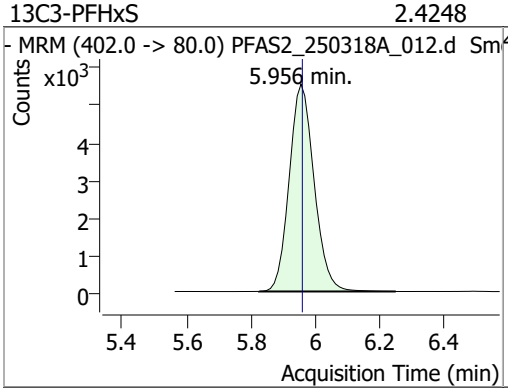
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	25905				

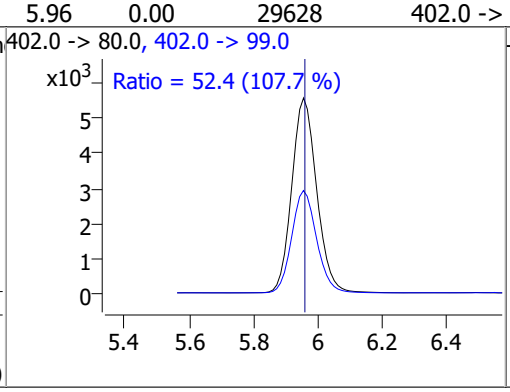


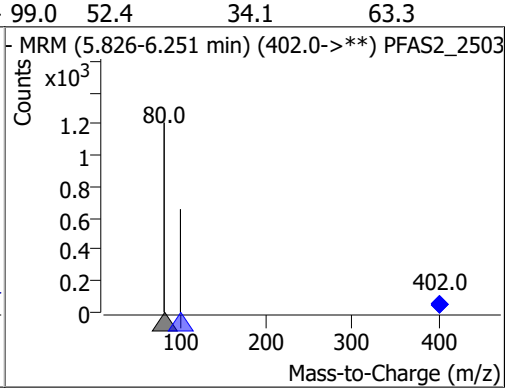




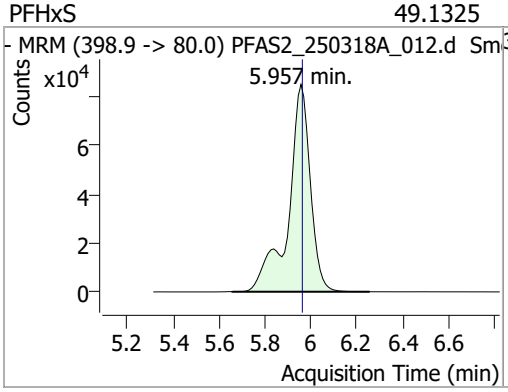
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4248	5.96	0.00	29628	402.0 -> 99.0	52.4	34.1	63.3

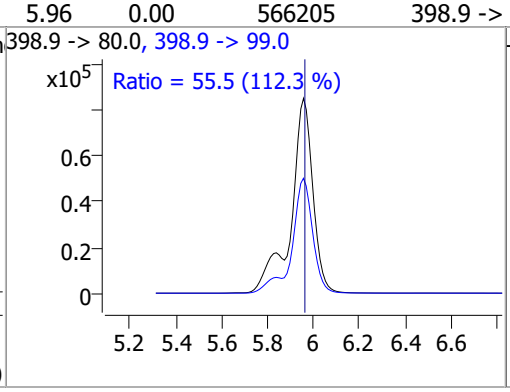


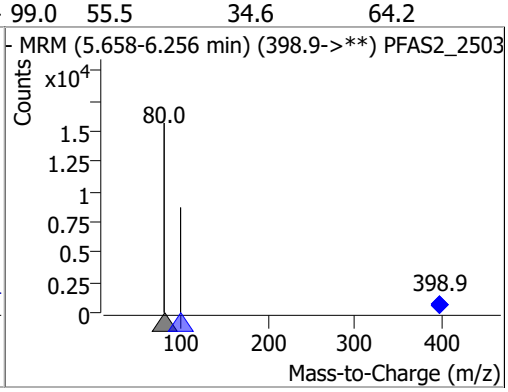




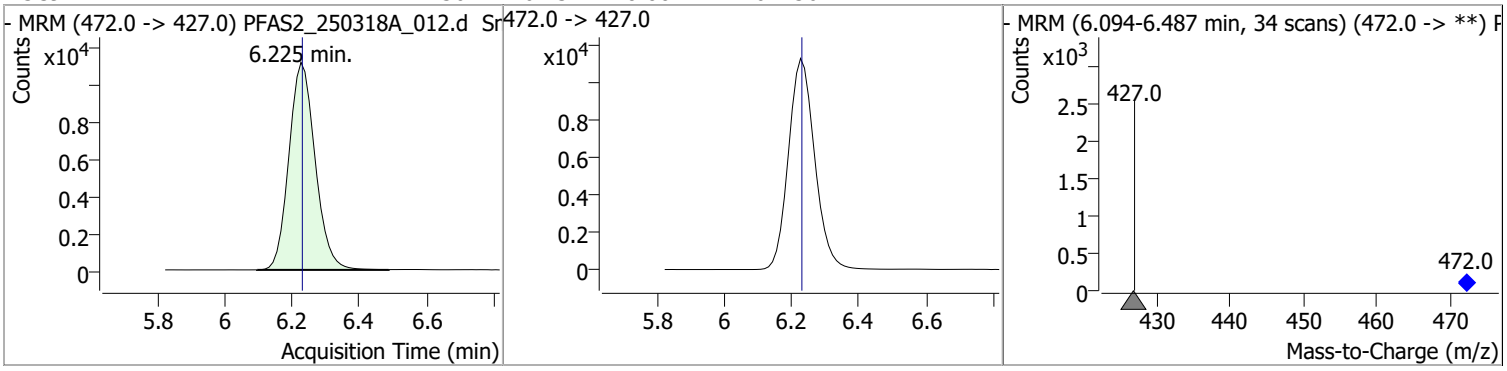
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	49.1325	5.96	0.00	566205	398.9 -> 99.0	55.5	34.6	64.2



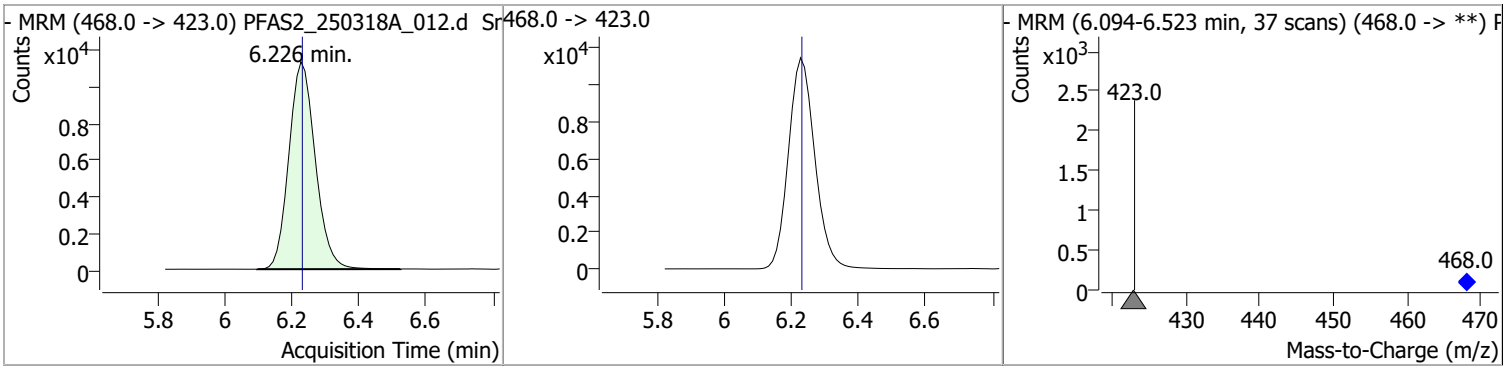




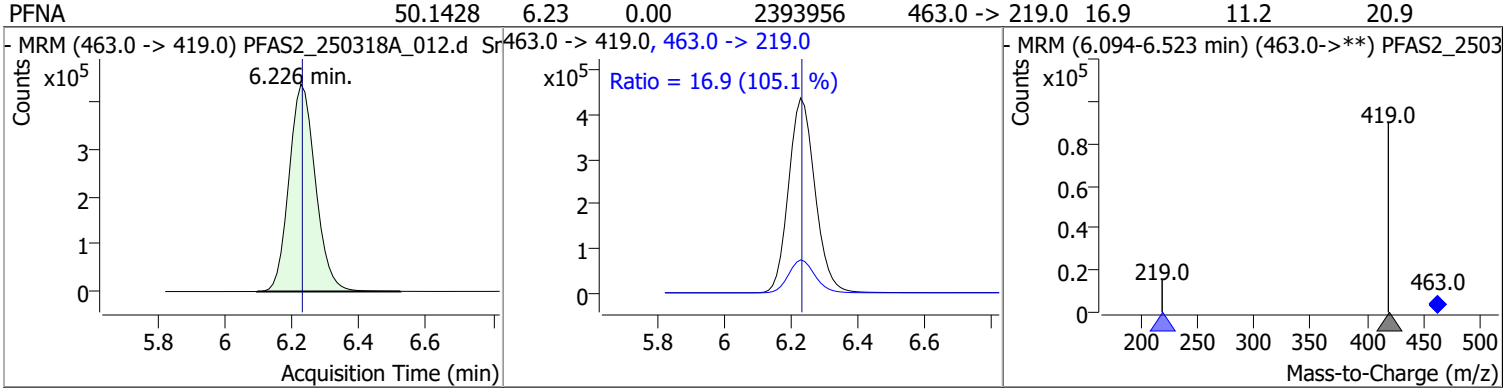
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2436	6.23	0.00	61156				



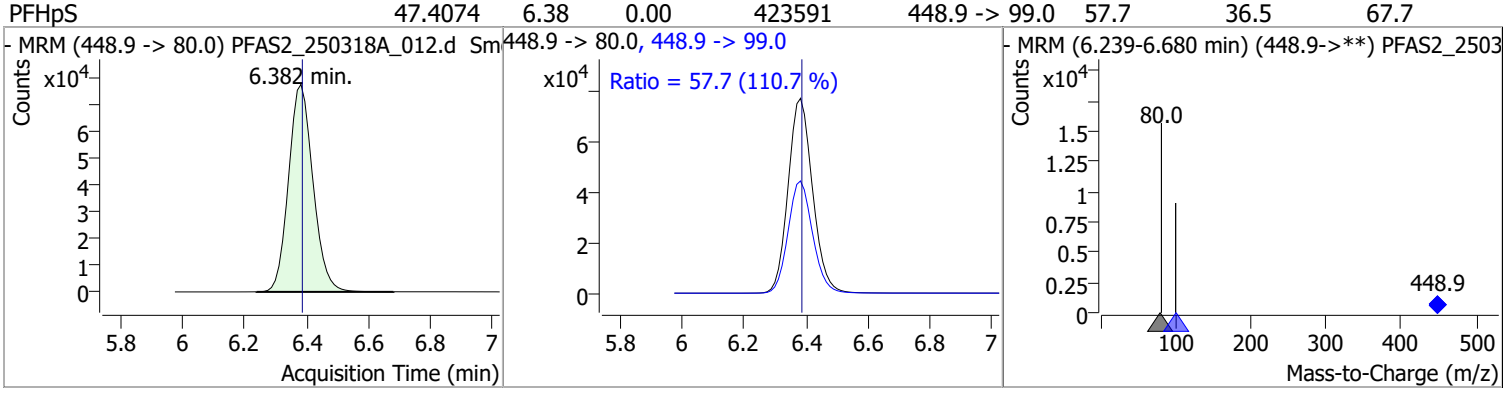
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	62059				



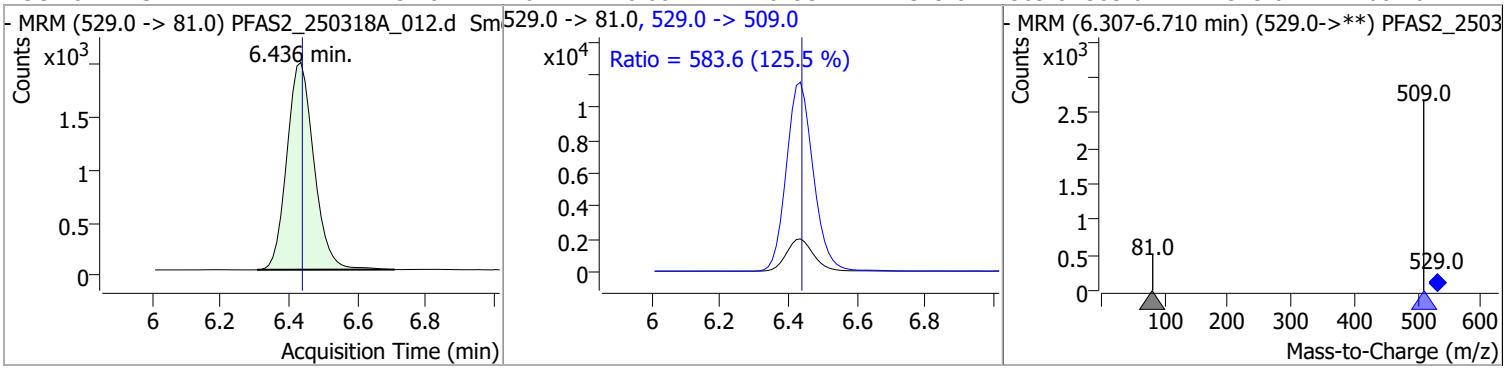
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	50.1428	6.23	0.00	2393956	463.0 -> 219.0	16.9	11.2	20.9



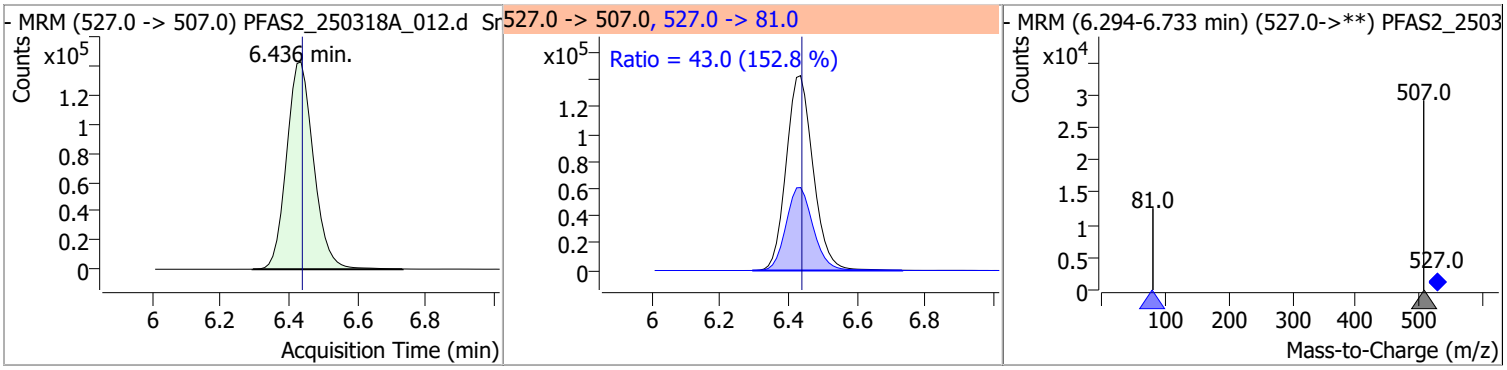
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	47.4074	6.38	0.00	423591	448.9 -> 99.0	57.7	36.5	67.7



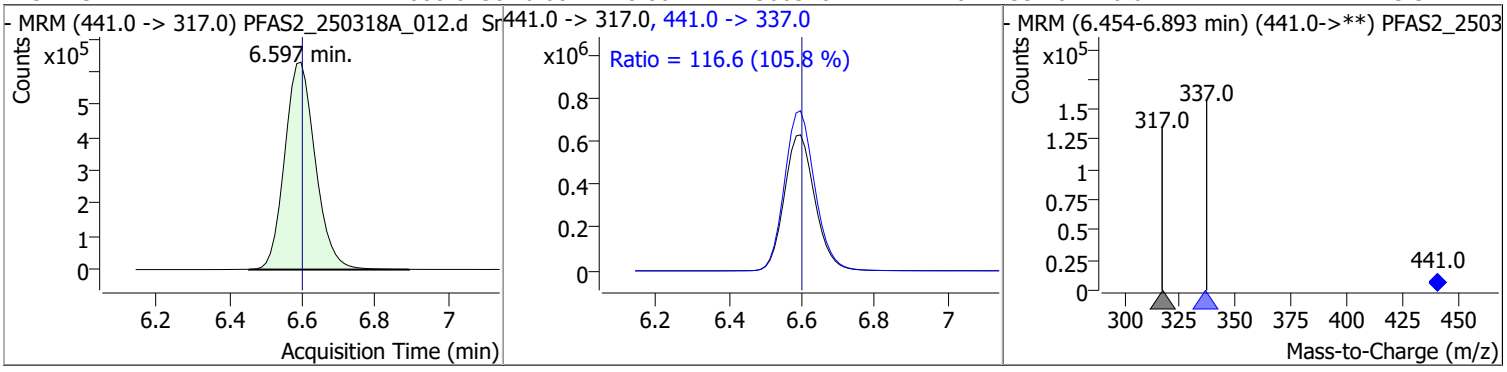
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2042	6.44	0.00	10793	529.0 -> 509.0	583.6	325.6	604.6



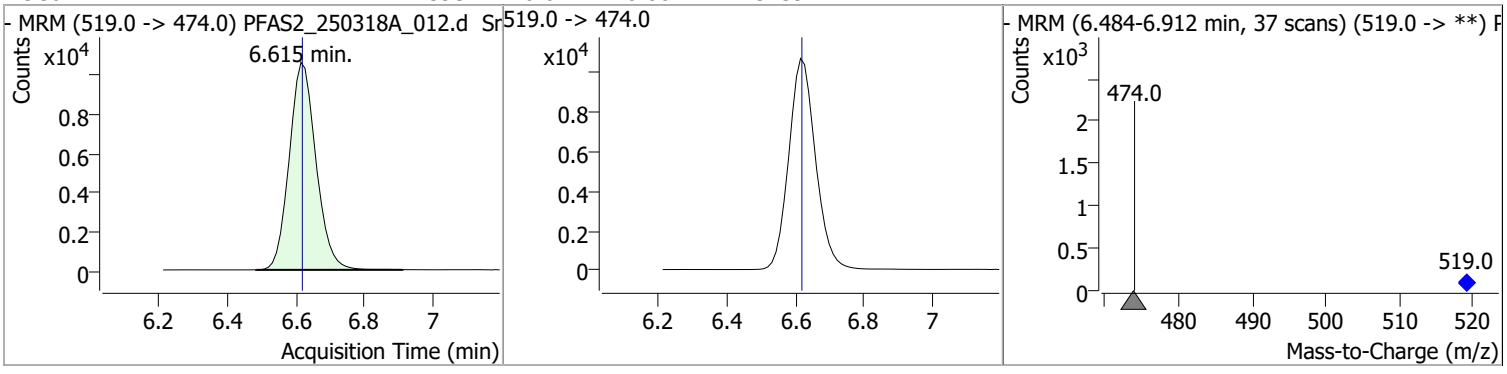
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	189.4178	6.44	0.00	782452	527.0 -> 81.0	43.0	19.7	36.6



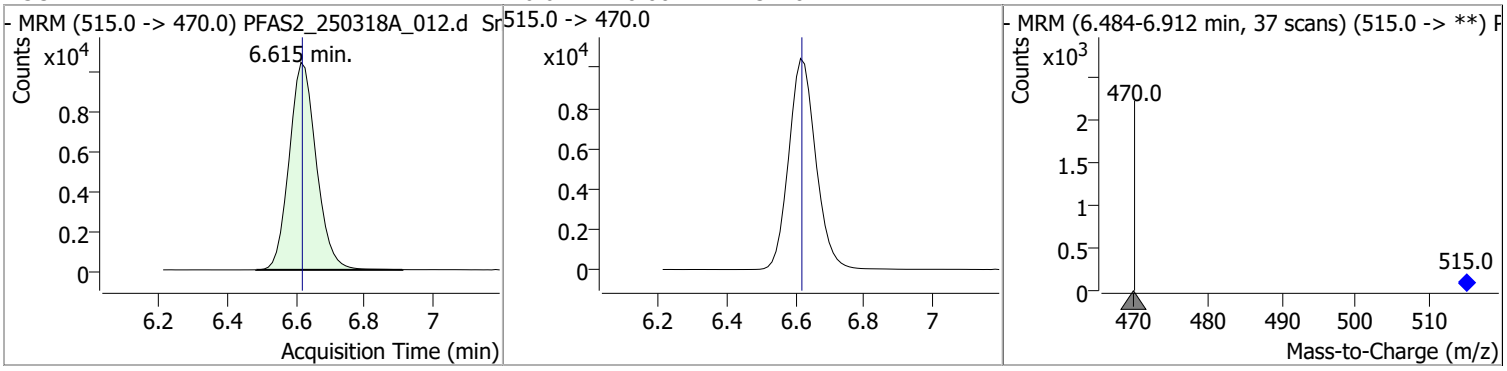
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	1000.6258	6.60	0.00	3663404	441.0 -> 337.0	116.6	77.1	143.3



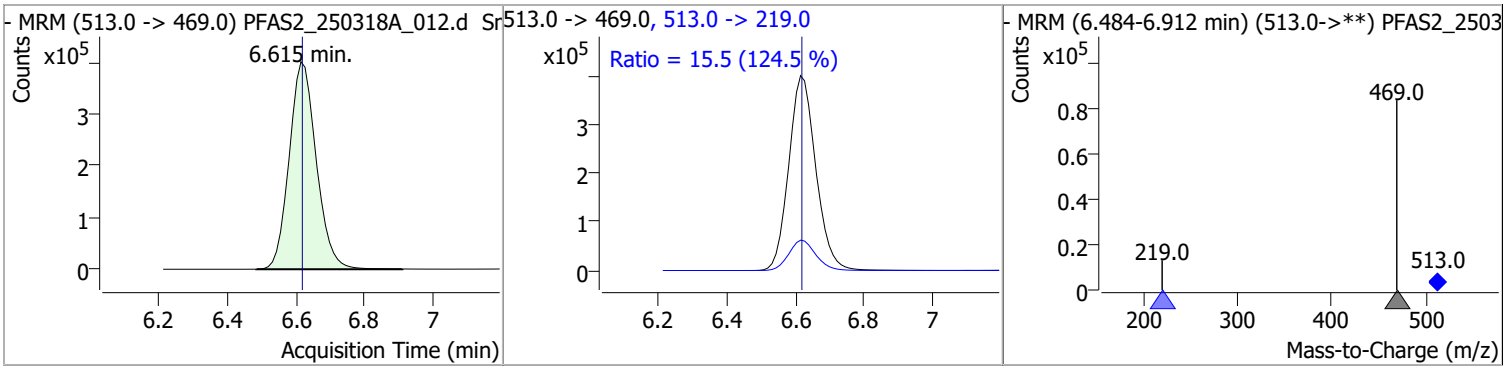
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2395	6.61	0.00	57594				



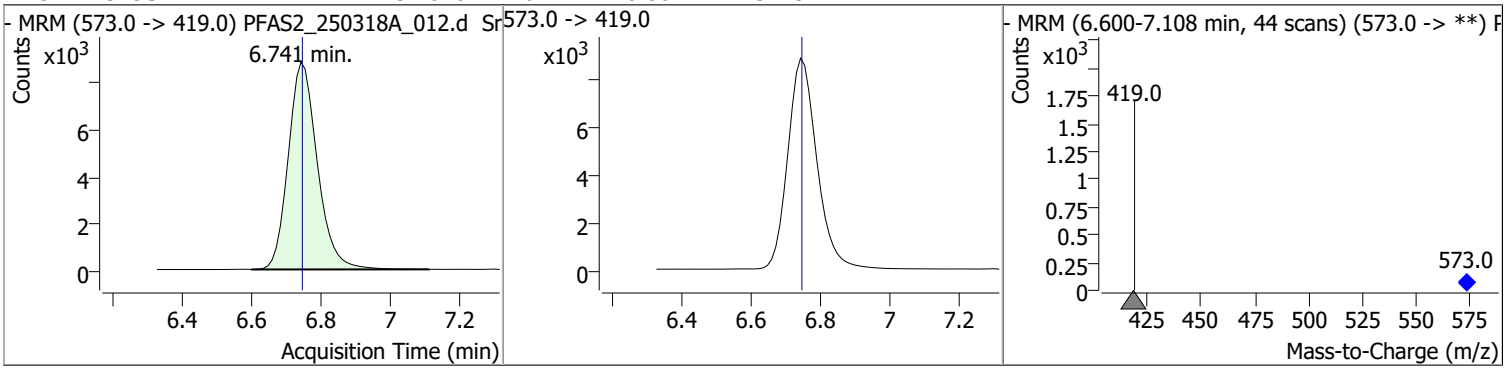
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	57101				



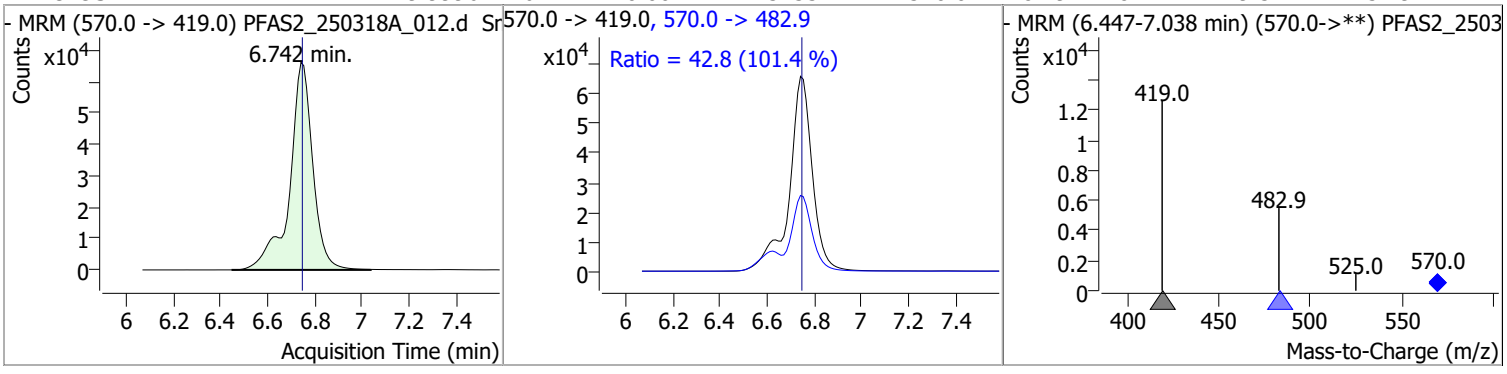
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	49.5689	6.62	0.00	2205334	513.0 -> 219.0	15.5	8.7	16.2



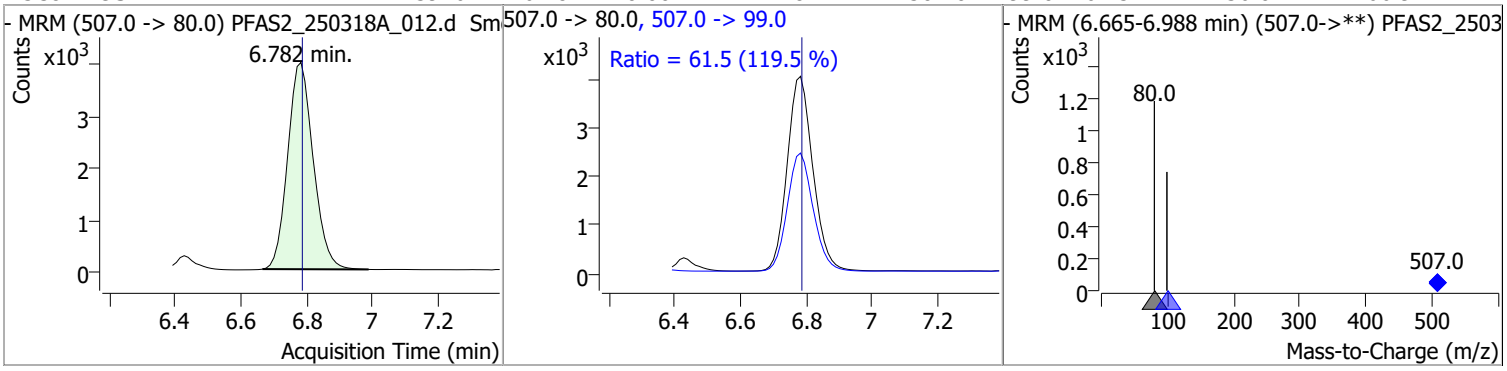
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1676	6.74	0.00	51252				



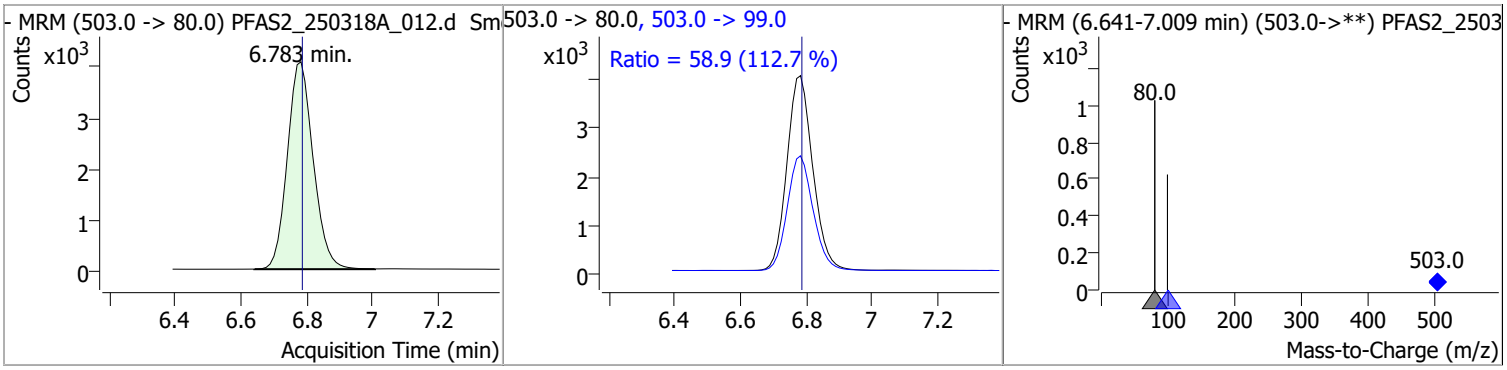
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	49.9996	6.74	0.00	452332	570.0 -> 482.9	42.8	29.5	54.9



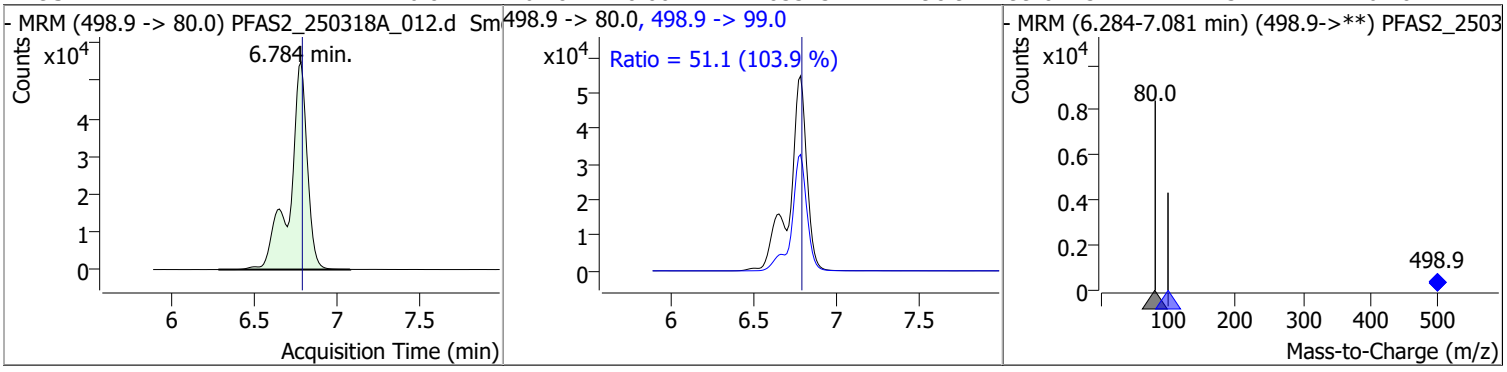
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3946	6.78	0.00	21482	507.0 -> 99.0	61.5	36.0	66.9



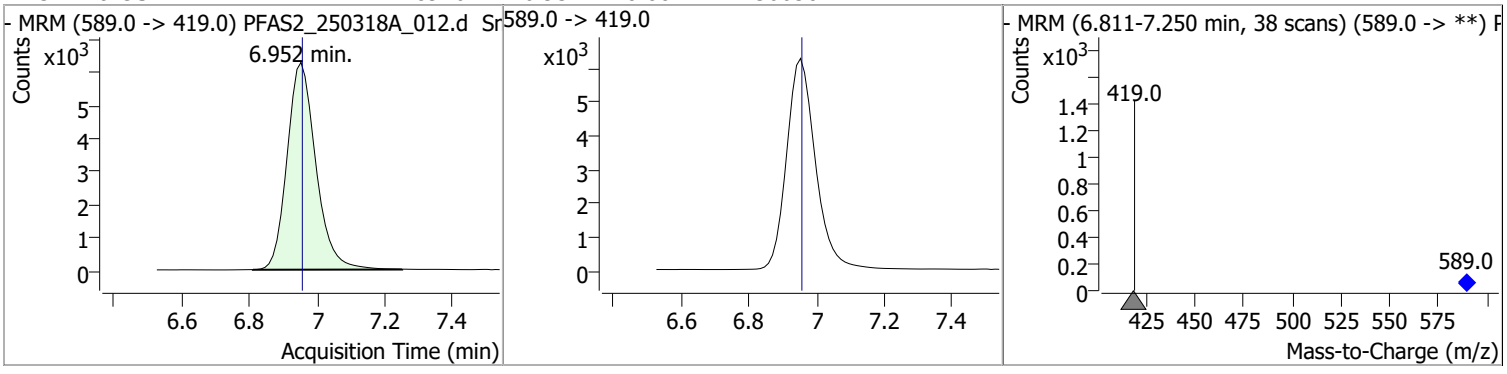
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	22104	503.0 -> 99.0	58.9	36.6	67.9



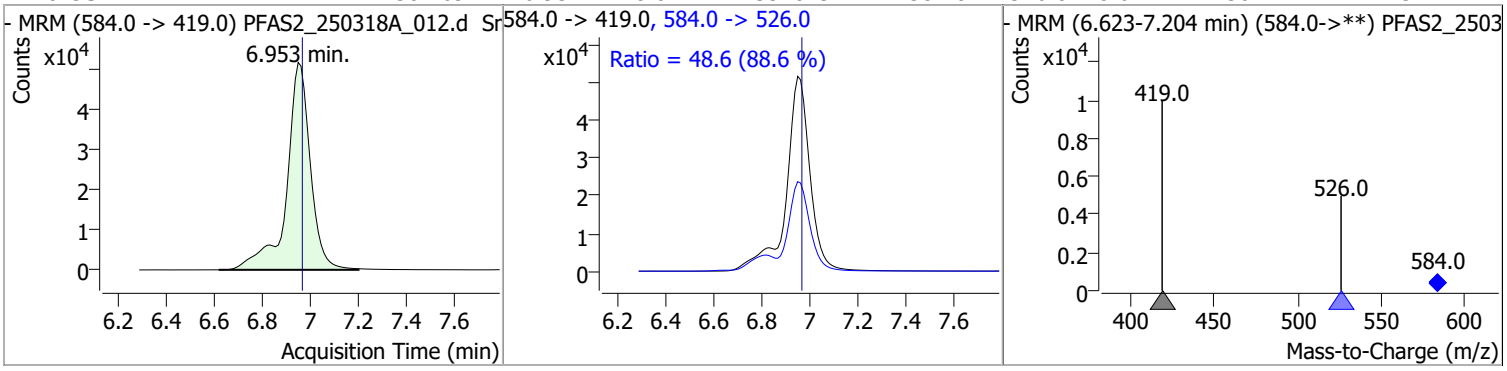
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	46.8474	6.78	0.00	405313	498.9 -> 99.0	51.1	34.4	64.0



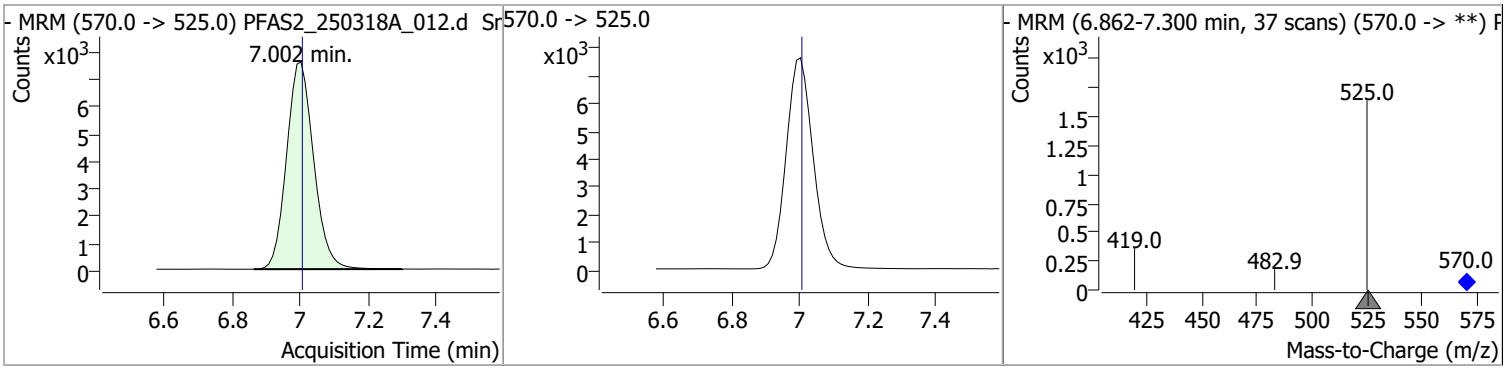
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8946	6.95	0.00	36650				



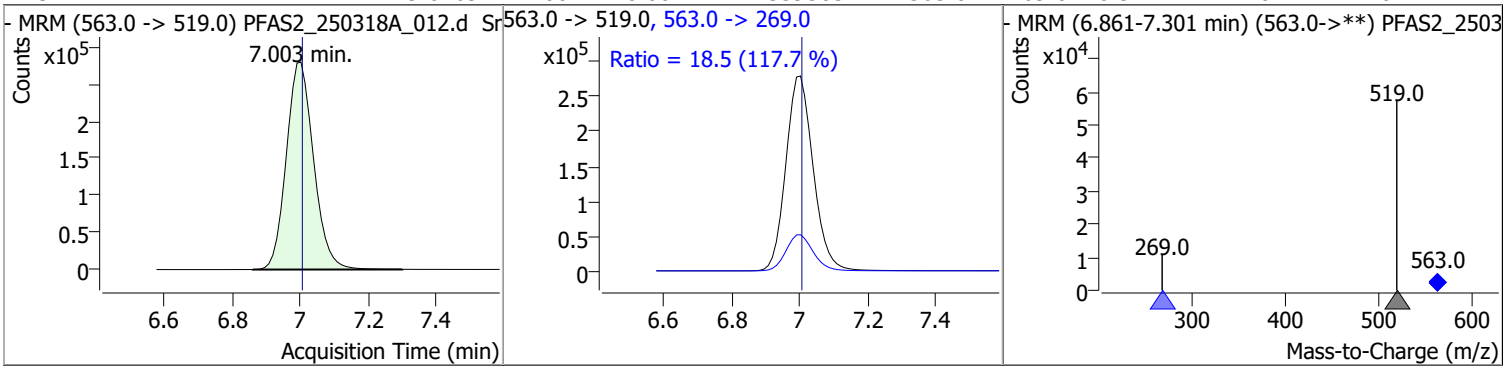
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	50.7697	6.95	-0.01	352049	584.0 -> 526.0	48.6	38.4	71.3



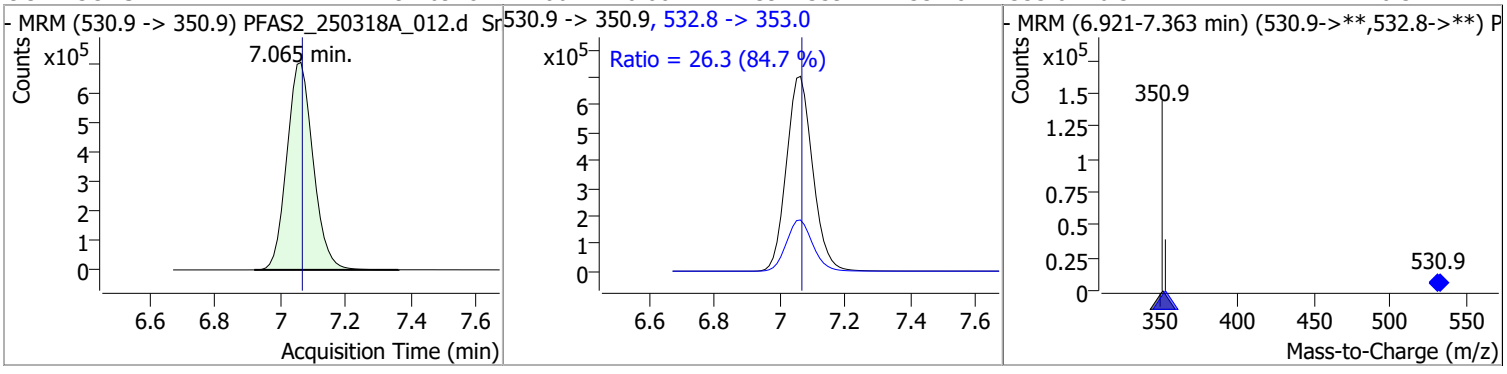
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1465	7.00	0.00	41982				



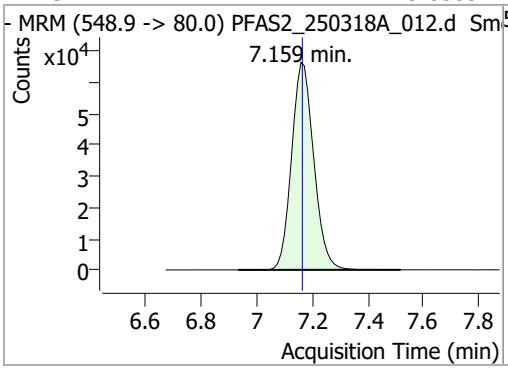
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	49.8769	7.00	0.00	1559305	563.0 -> 269.0	18.5	11.0	20.4

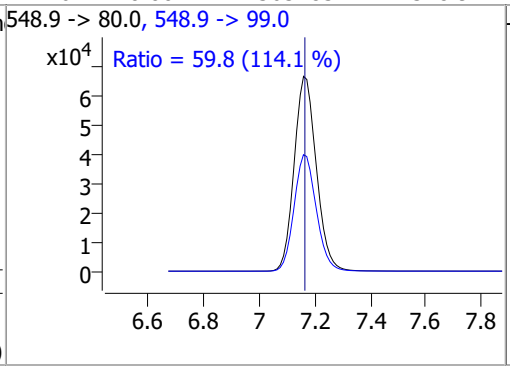


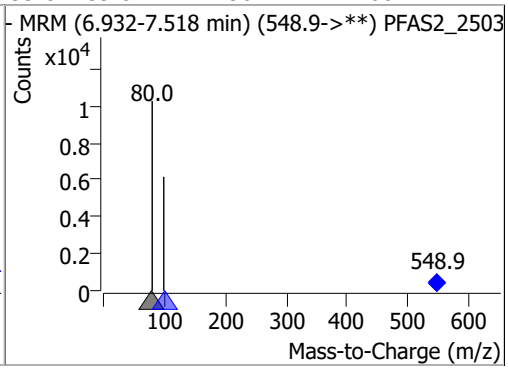
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	94.6978	7.06	0.00	3927359	532.8 -> 353.0	26.3	21.7	40.3



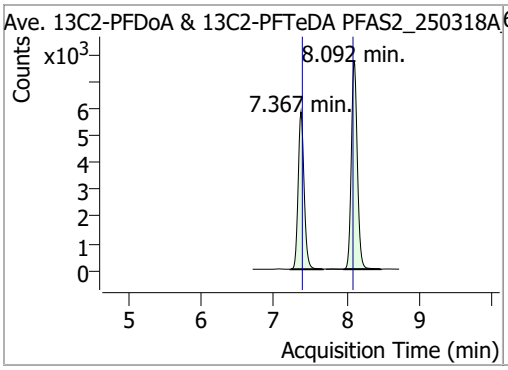
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	49.8339	7.16	0.00	365183	548.9 -> 99.0	59.8	36.7	68.1

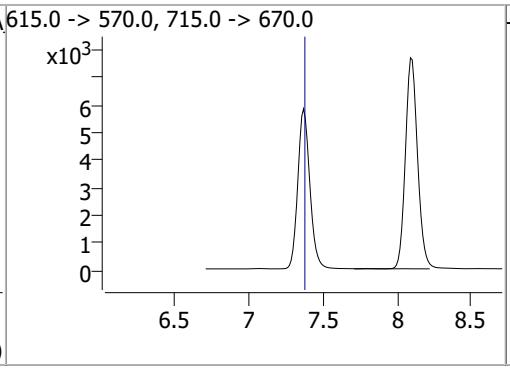


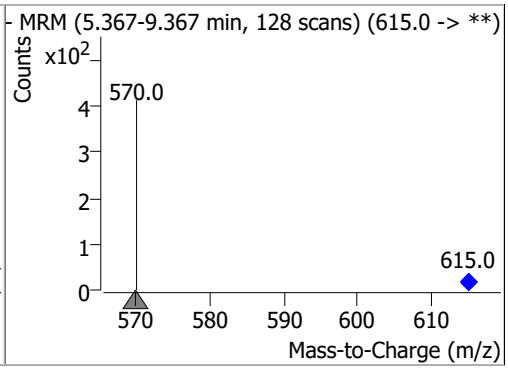




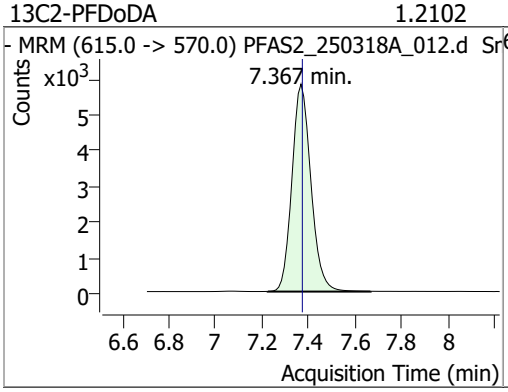
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2778	7.73	0.36	38567				

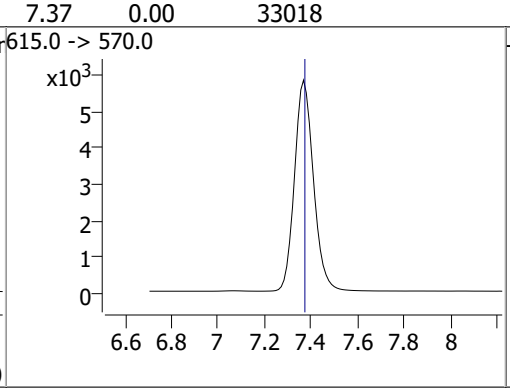


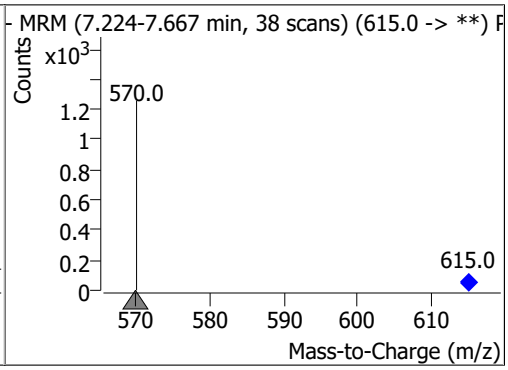




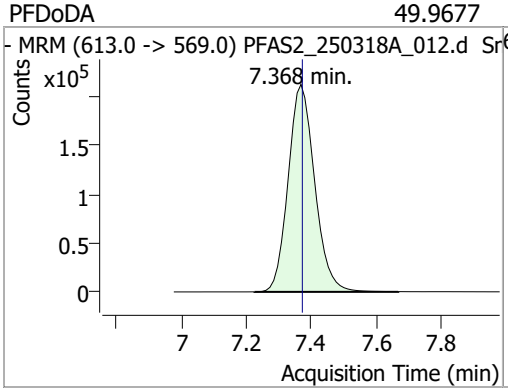
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2102	7.37	0.00	33018				

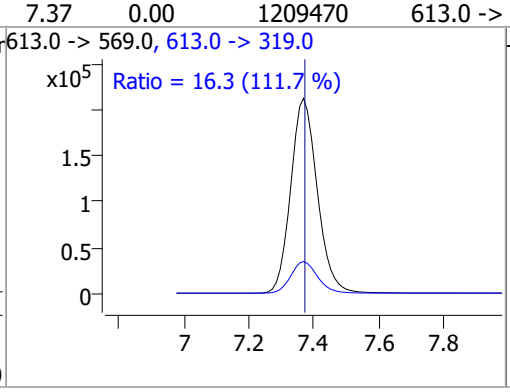


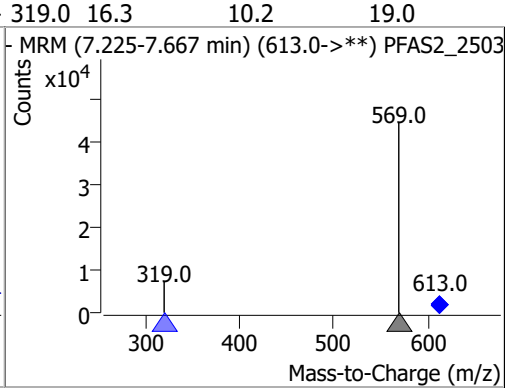




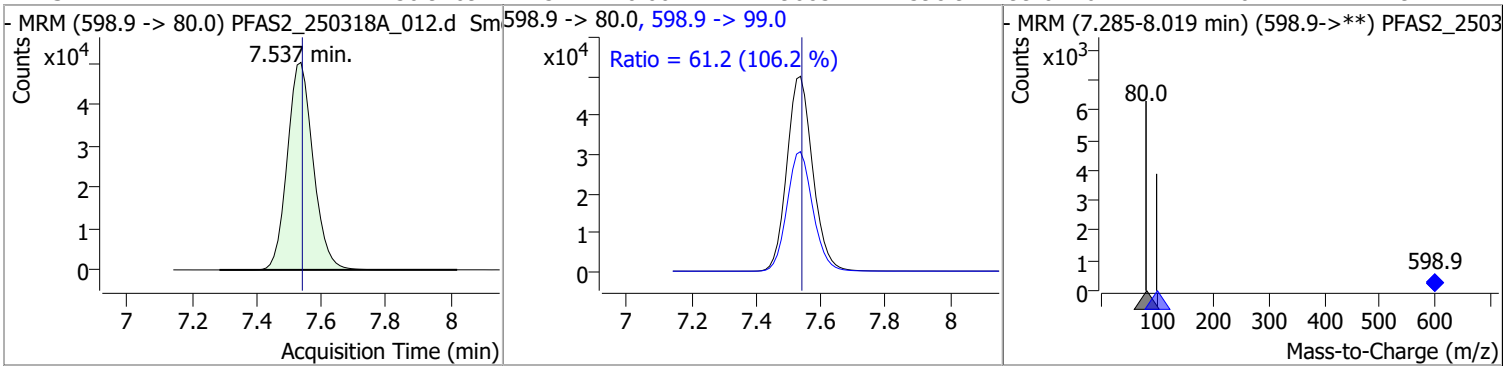
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	49.9677	7.37	0.00	1209470	613.0 -> 319.0	16.3	10.2	19.0



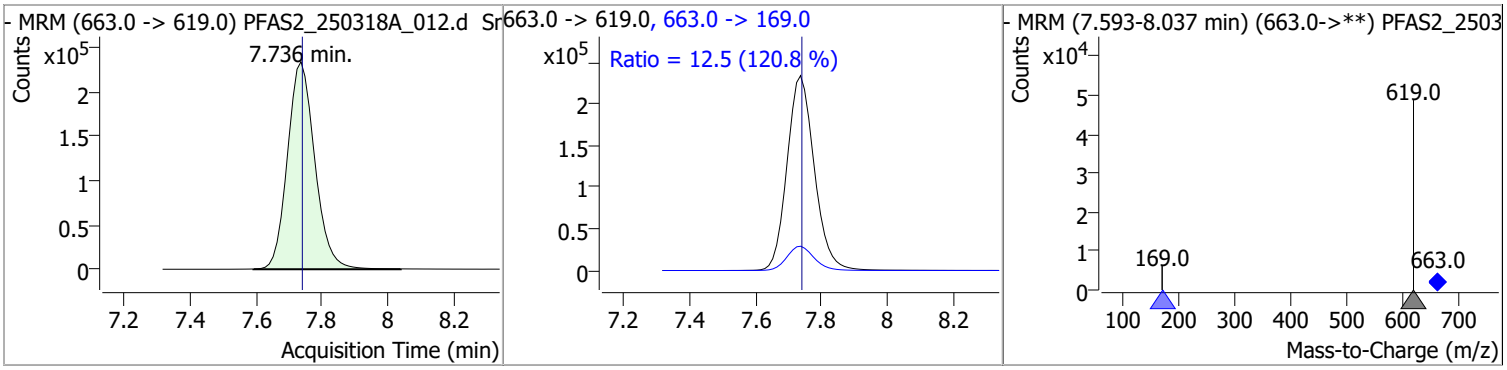




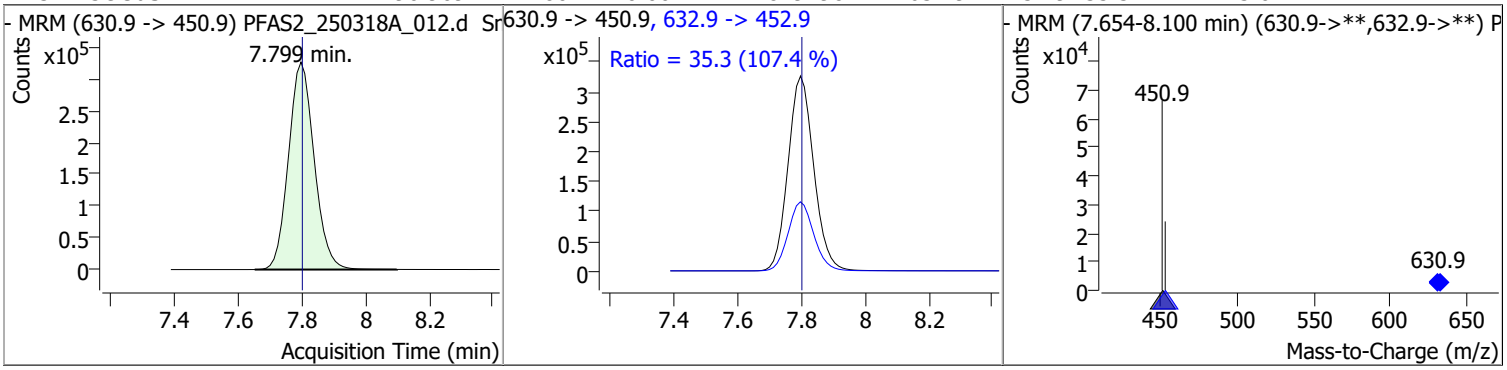
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	50.9709	7.54	0.00	279083	598.9 -> 99.0	61.2	40.4	74.9



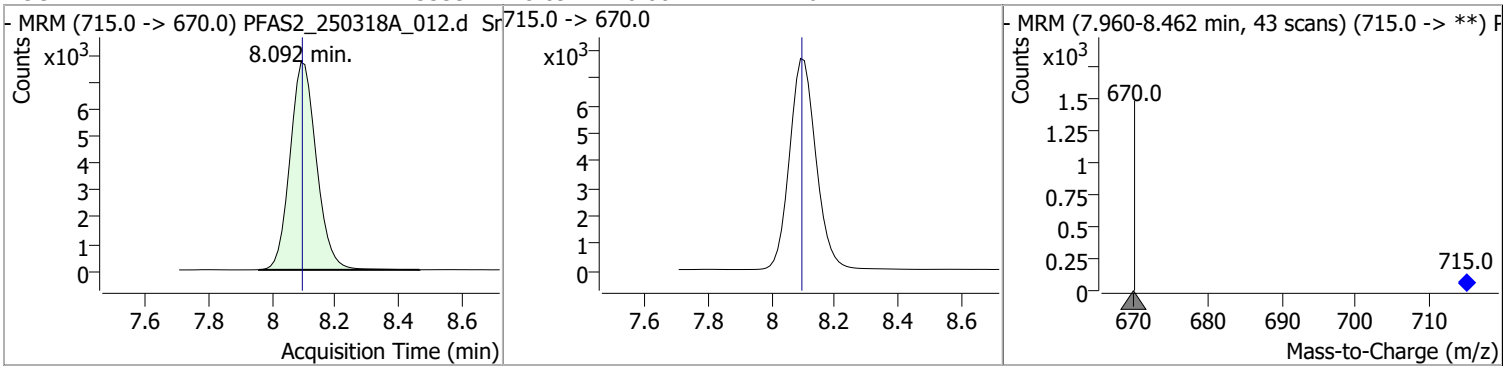
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	46.0293	7.74	0.00	1337573	663.0 -> 169.0	12.5	7.2	13.4



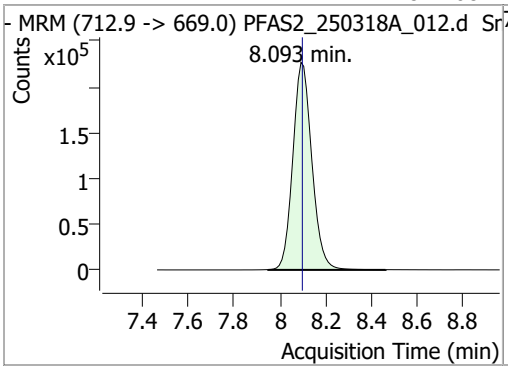
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	90.9094	7.80	0.00	1819498	632.9 -> 452.9	35.3	23.0	42.7

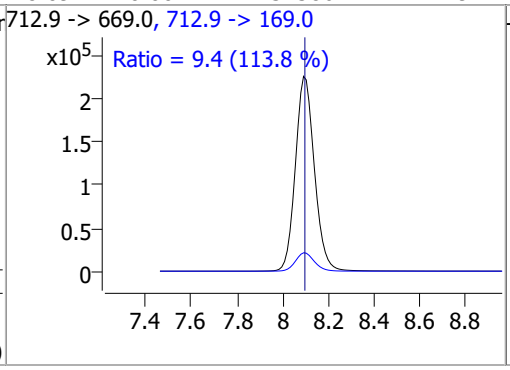


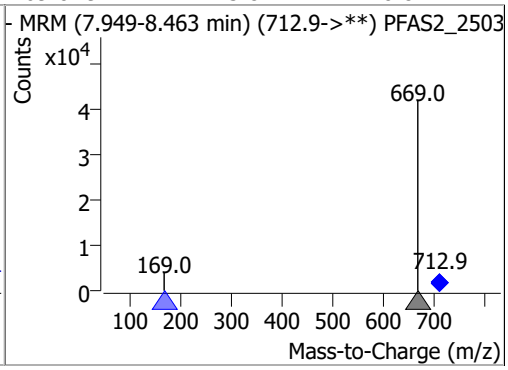
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3335	8.09	0.00	44116				



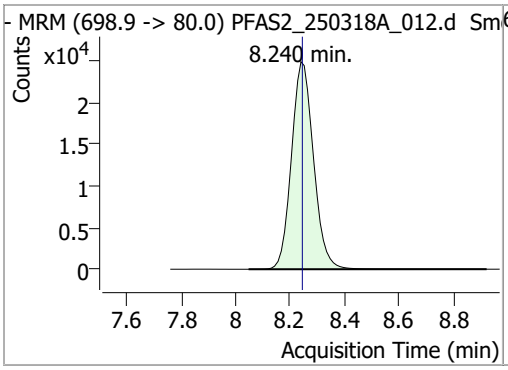
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	48.7268	8.09	0.00	1315861	712.9 -> 169.0	9.4	5.8	10.8

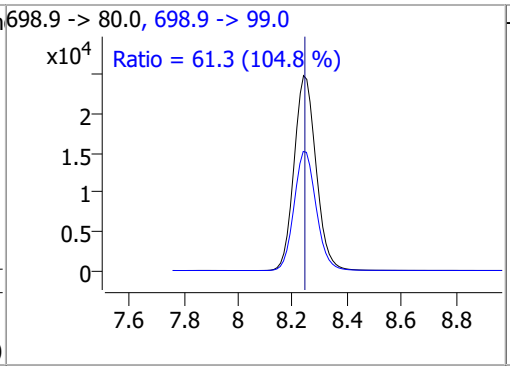


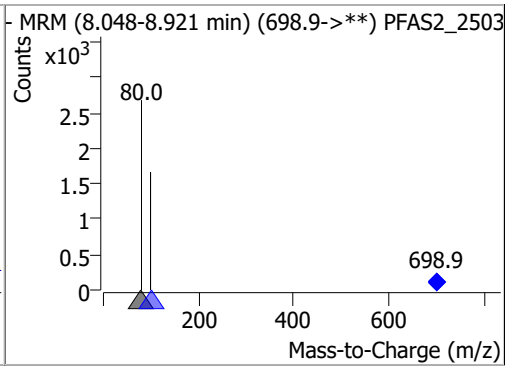




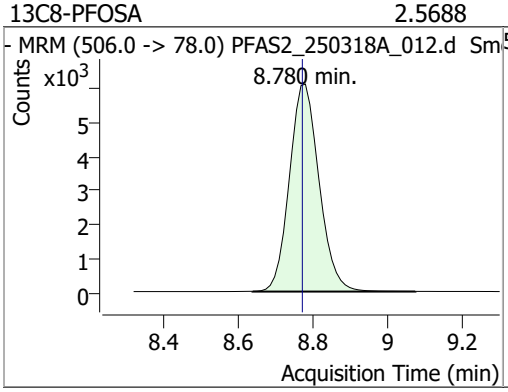
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	36.4118	8.24	0.00	139410	698.9 -> 99.0	61.3	41.0	76.1

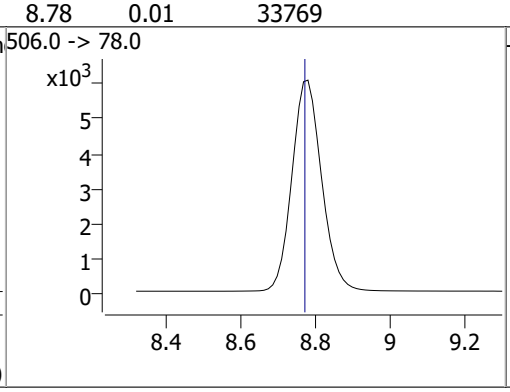


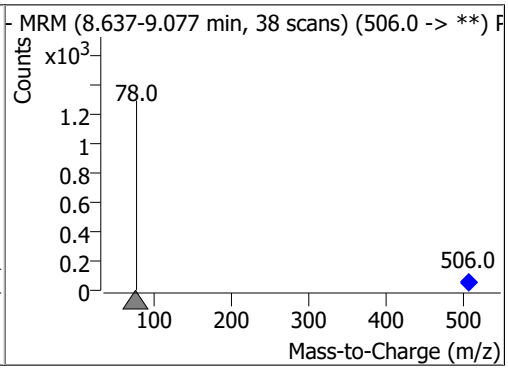




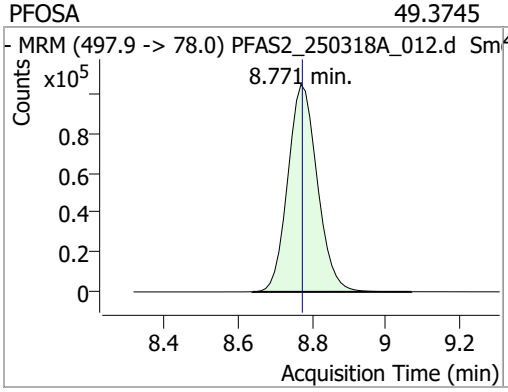
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5688	8.78	0.01	33769				

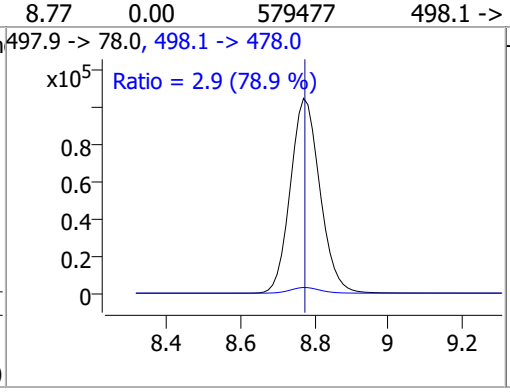


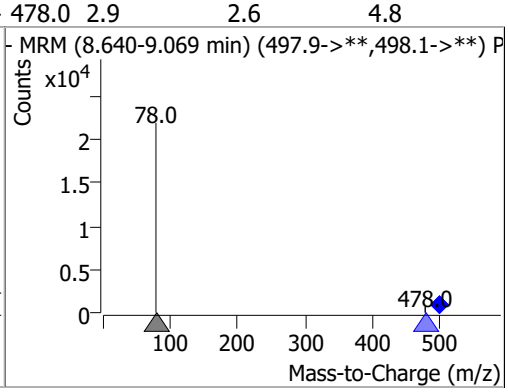




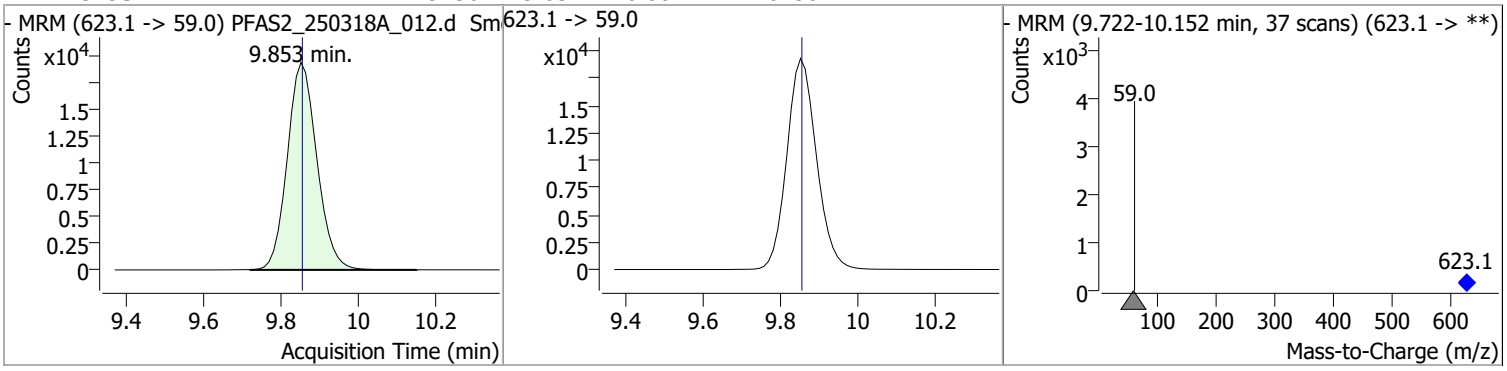
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	49.3745	8.77	0.00	579477	498.1 -> 478.0	2.9	2.6	4.8



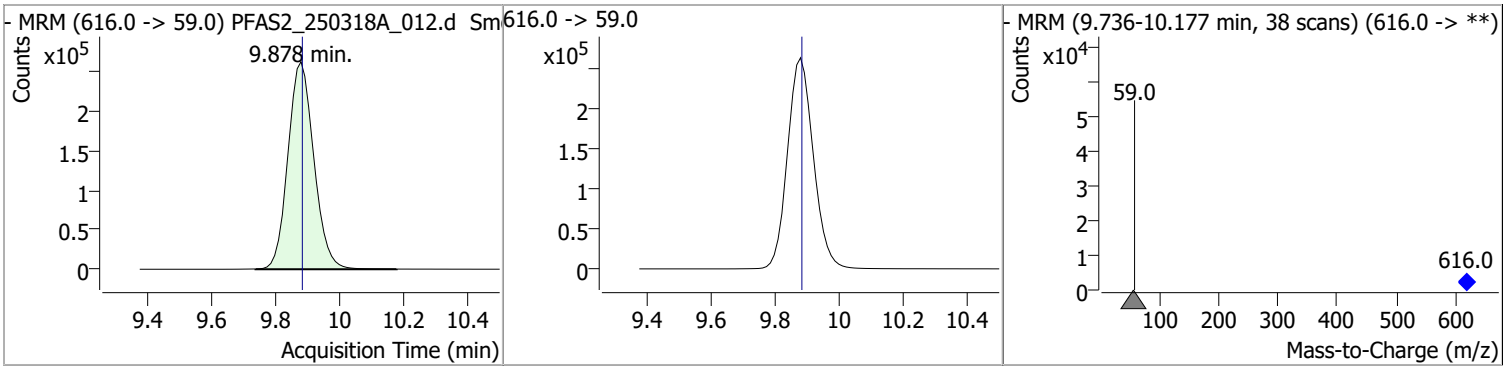




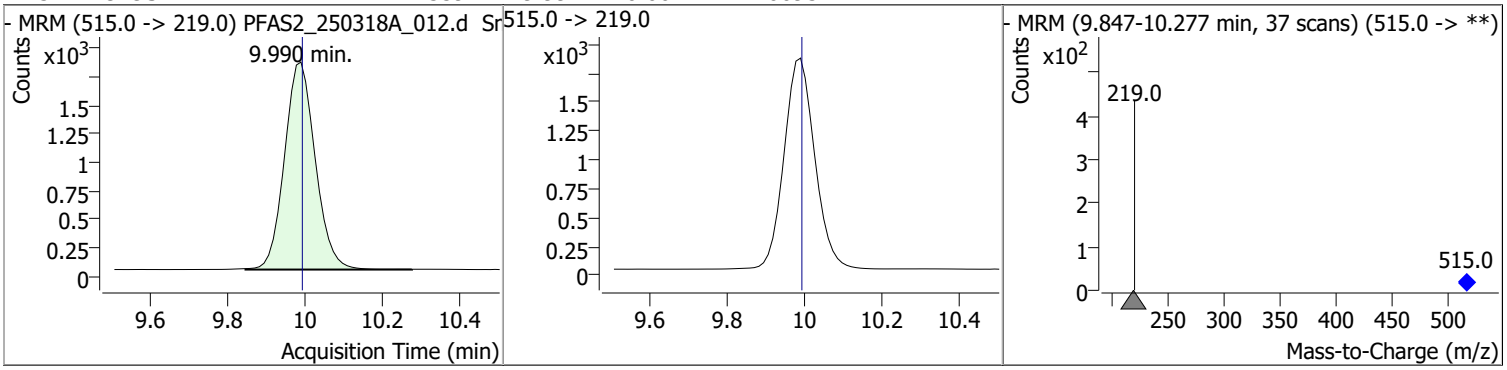
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.9756	9.85	0.00	102387				



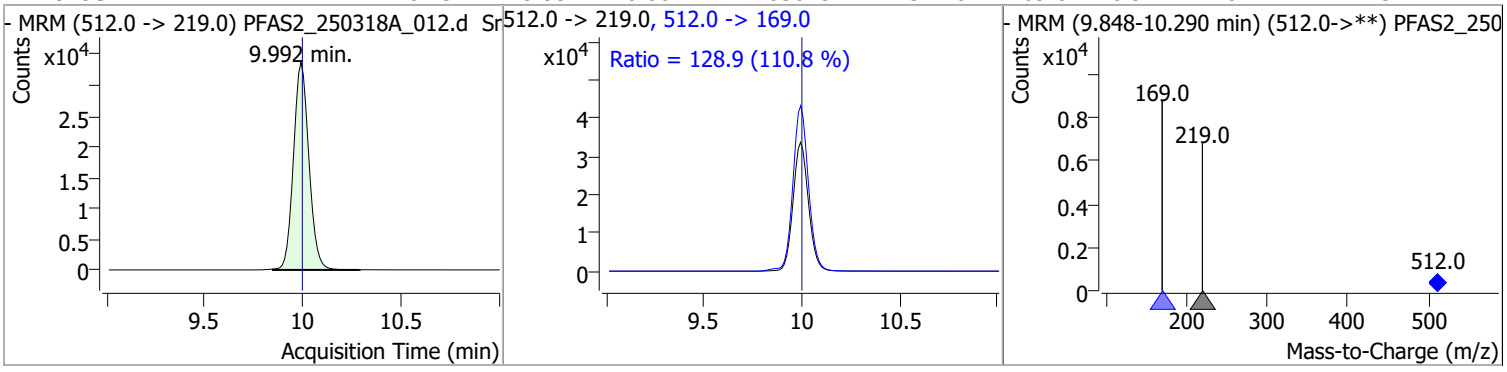
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	494.8041	9.88	0.00	1473791				



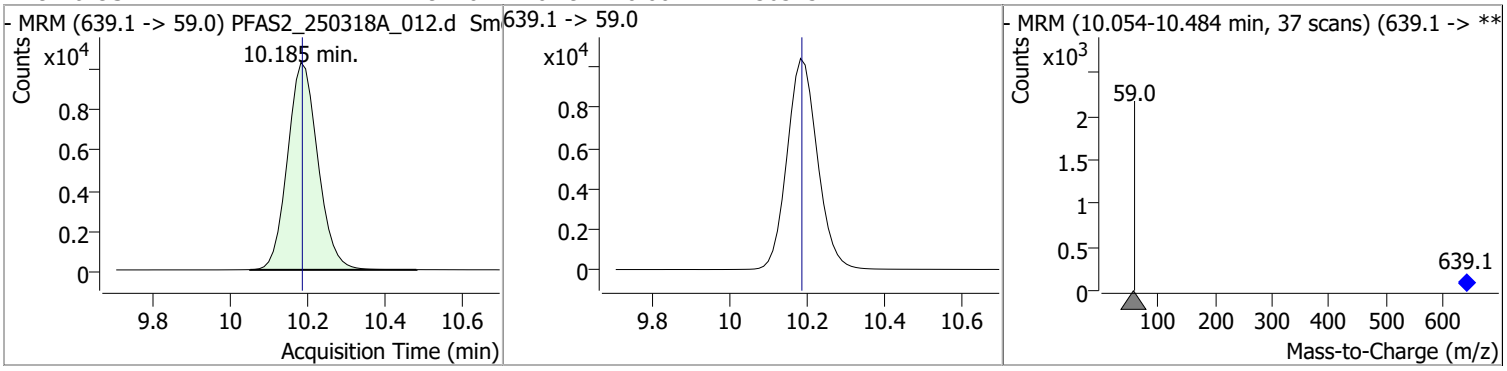
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7359	9.99	0.00	10093				



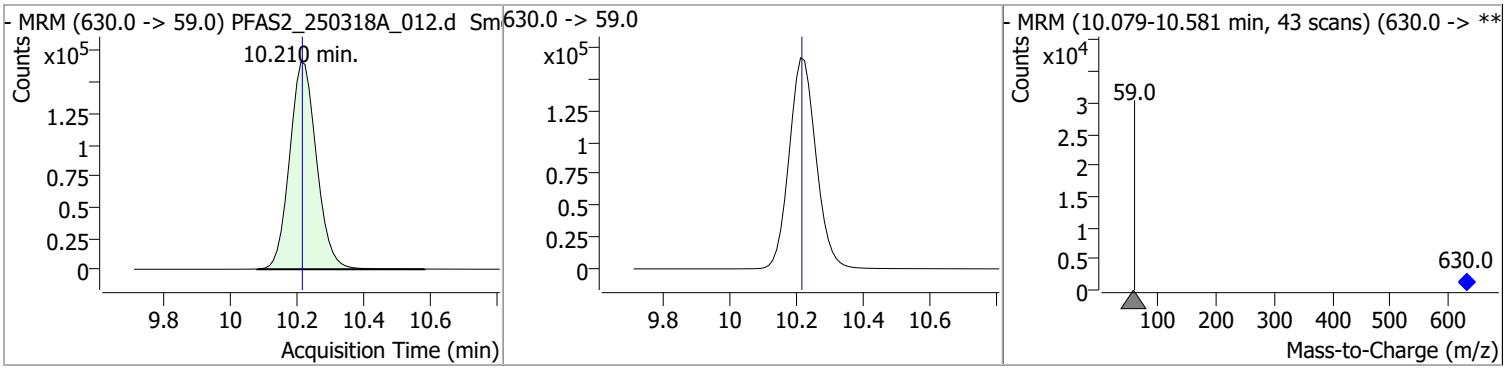
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	48.4347	9.99	0.00	183873	512.0 -> 169.0	128.9	81.4	151.2



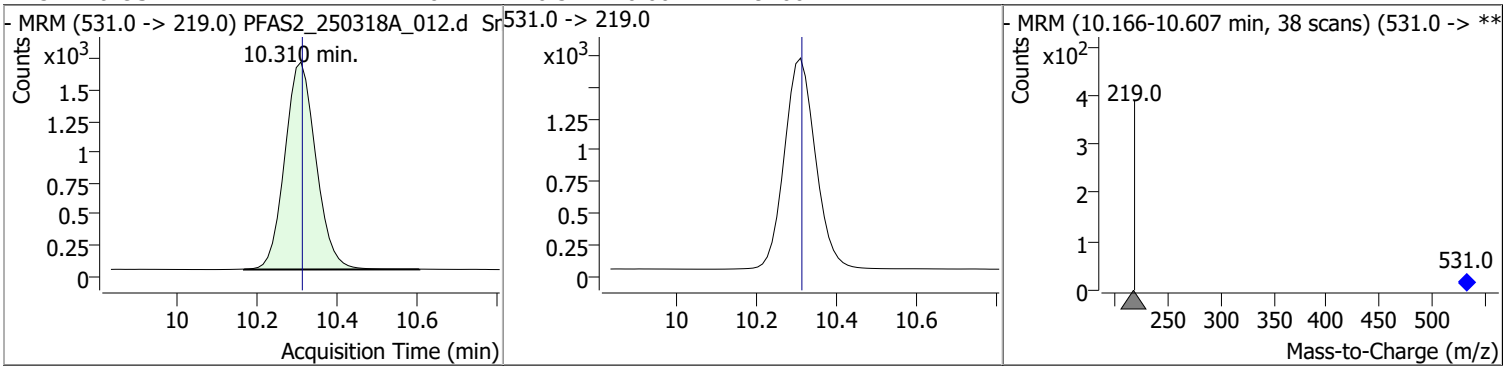
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.9770	10.19	0.00	56325				



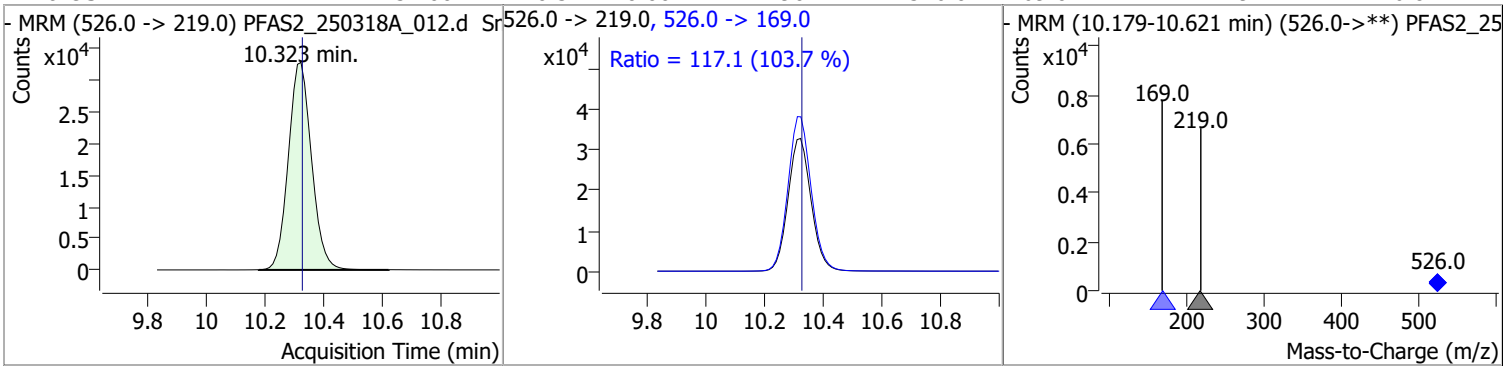
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	491.7967	10.21	0.00	935741				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.2812	10.31	0.00	9100				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	51.0017	10.32	0.00	179021	526.0 -> 169.0	117.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_004.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:35:27 PM
Sample Name	SEQ-CAL2	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

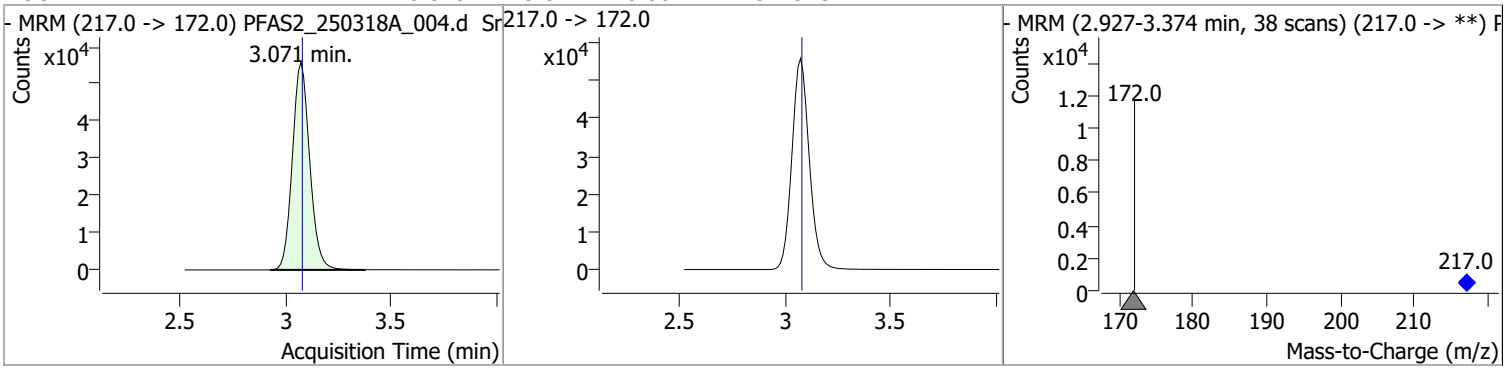
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	138947	5.0000	µg/L		1.538
13C2-PFHxA	4.890	315.0 -> 270.0	151064	2.5000	µg/L		-1.538
18O2-PFHxS	5.955	403.0 -> 84.0	28623	2.5000	µg/L		-3.398
13C4-PFOA	5.823	417.0 -> 172.0	15356	2.5000	µg/L		-0.594
13C5-PFNA	6.226	468.0 -> 423.0	66486	1.2500	µg/L		-6.584
13C2-PFDA	6.615	515.0 -> 470.0	68395	1.2500	µg/L		2.271
13C4-PFOS	6.771	503.0 -> 80.0	24406	2.5000	µg/L		-2.019
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	317973	10.0000	µg/L		2.298
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.70%			
13C5-PFPeA	4.222	268.0 -> 223.0	208008	5.0000	µg/L		0.527
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.10%			
13C5-PFPeA	4.222	268.0 -> 223.0	208008	5.0000	µg/L		0.527
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.10%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28958	5.0000	µg/L		14.617
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 119.13%			
13C5-PFHxA	4.889	318.0 -> 273.0	167889	2.5000	µg/L		-0.566
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.97%			
13C5-PFHxA	4.889	318.0 -> 273.0	167889	2.5000	µg/L		-0.566
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.97%			
13C3-PFBS	4.917	302.0 -> 80.0	62113	2.5000	µg/L		2.289
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.00%			
13C3-PFBS	4.917	302.0 -> 80.0	62113	2.5000	µg/L		2.289
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.00%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	182255	10.0000	µg/L		4.282
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 105.91%			
13C4-PFHpA	5.385	367.0 -> 322.0	186634	2.5000	µg/L		-1.193
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFHxS	5.956	402.0 -> 80.0	36548	2.5000	µg/L		4.577
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.29%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15887	5.0000	µg/L	#	7.574
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 111.48%			
13C8-PFOA	5.823	421.0 -> 376.0	172023	2.5000	µg/L		-0.415
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.20%			
13C3-PFHxS	5.956	402.0 -> 80.0	36548	2.5000	µg/L		4.577
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.29%			
13C9-PFNA	6.225	472.0 -> 427.0	67714	1.2500	µg/L		-3.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.82%			
13C8-PFOS	6.771	507.0 -> 80.0	25881	2.5000	µg/L		2.364
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.51%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12135	5.0000	µg/L	#	2.443
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.91%			
13C6-PFDA	6.615	519.0 -> 474.0	70908	1.2500	µg/L		4.338
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.92%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	54670	5.0000	µg/L		-2.057

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.85%			
13C8-PFOS	6.771	507.0 -> 80.0	25881	2.5000	µg/L		2.364
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.51%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	40576	5.0000	µg/L		-3.778
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.16%			
13C7-PFUnDA	6.990	570.0 -> 525.0	54804	1.2500	µg/L		2.241
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.96%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	41458	1.2500	µg/L		-6.023
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.74%			
13C2-PFDoDA	7.367	615.0 -> 570.0	37121	1.2500	µg/L		-7.070
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 90.87%			
13C2-PFTDA	8.092	715.0 -> 670.0	45795	1.2500	µg/L		-5.157
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 92.45%			
13C8-PFOSA	8.780	506.0 -> 78.0	35660	2.5000	µg/L		-3.520
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.27%			
2H7-MeFOSE	9.853	623.1 -> 59.0	129893	25.0000	µg/L		3.382
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 105.59%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10816	2.5000	µg/L		4.306
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.20%			
2H9-EtFOSE	10.185	639.1 -> 59.0	65047	25.0000	µg/L		2.421
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 104.49%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11607	2.5000	µg/L		3.263
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.40%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	55122	2.0555	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.78%			
PFMPA	3.614	229.0 -> 85.0	19744	1.0375	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.75%			
3-3 FTCA	3.778	241.0 -> 177.0	1436	2.0290	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.45%			
PFPeA	4.223	263.0 -> 219.0	38713	1.0289	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 102.89%			
PFMBA	4.453	279.0 -> 85.0	29151	1.0304	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.04%			
4-2 FTSA	4.698	327.0 -> 307.0	34054	1.9349	µg/L		98
Spiked Amount: 1.875	Range: 70 - 130%			Recovery = 103.20%			
NFDHA	4.823	295.0 -> 201.0	1109	0.8978	µg/L	#	74
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 89.78%			
PFHxA	4.880	313.0 -> 269.0	30941	0.5150	µg/L		100
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 103.00%			
PFBS	4.918	298.9 -> 80.0	11822	0.4587	µg/L		94
Spiked Amount: 0.444	Range: 70 - 130%			Recovery = 103.42%			
HFPO-DA	5.075	285.0 -> 169.0	16127	0.9974	µg/L		96
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.74%			
PFEESA	5.189	314.9 -> 135.0	74839	0.9230	µg/L		99
Spiked Amount: 0.890	Range: 70 - 130%			Recovery = 103.71%			
PFHpA	5.386	363.0 -> 319.0	36278	0.5234	µg/L		98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.68%			
5-3 FTCA	5.447	341.0 -> 237.0	42833	9.3855	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 93.86%			
PFPeS	5.482	348.9 -> 80.0	9276	0.4701	µg/L		93
Spiked Amount: 0.471	Range: 70 - 130%			Recovery = 99.91%			
DONA	5.539	377.0 -> 251.0	95306	0.9513	µg/L		100
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 100.66%			

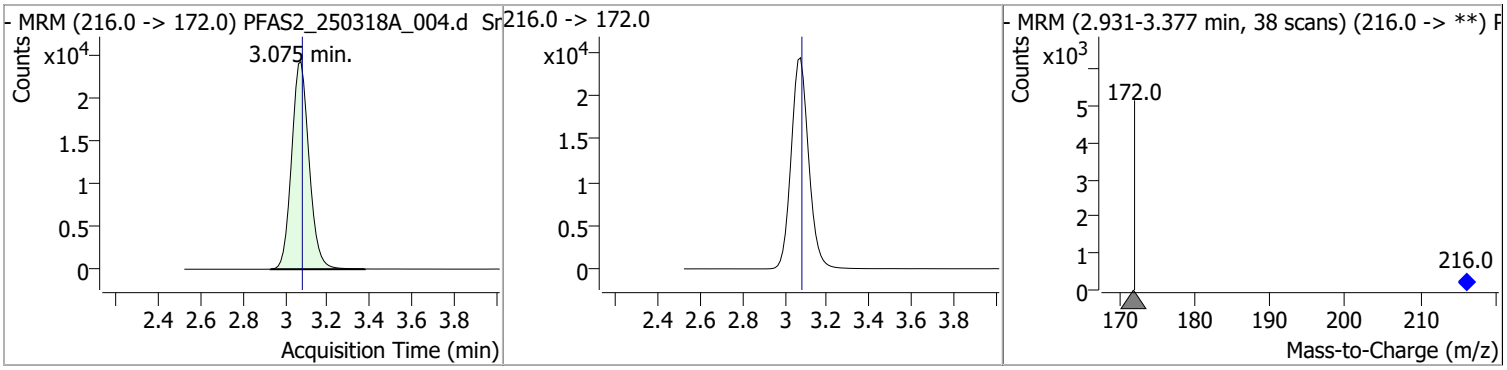
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	19884	1.8781	µg/L	#	84
Spiked Amount: 1.900	Range: 70 - 130%			Recovery = 98.85%			
PFOA	5.824	413.0 -> 369.0	32276	0.5093	µg/L		98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 101.86%			
PFHxS	5.945	398.9 -> 80.0	6877	0.4837	µg/L		96
Spiked Amount: 0.457	Range: 70 - 130%			Recovery = 105.85%			
PFNA	6.226	463.0 -> 419.0	26054	0.4996	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 99.92%			
PFHpS	6.370	448.9 -> 80.0	5037	0.4679	µg/L		95
Spiked Amount: 0.477	Range: 70 - 130%			Recovery = 98.20%			
8-2 FTSA	6.424	527.0 -> 507.0	10350	1.9433	µg/L	#	69
Spiked Amount: 1.920	Range: 70 - 130%			Recovery = 101.21%			
7-3 FTCA	6.597	441.0 -> 317.0	35862	10.4176	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.18%			
PFDA	6.615	513.0 -> 469.0	26247	0.5028	µg/L		95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.55%			
N-MeFOSAA	6.742	570.0 -> 419.0	4803	0.5043	µg/L		95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.86%			
PFOS	6.772	498.9 -> 80.0	4489	0.4616	µg/L		89
Spiked Amount: 0.464	Range: 70 - 130%			Recovery = 99.48%			
N-EtFOSAA	6.953	584.0 -> 419.0	4021	0.5348	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 106.95%			
PFUnDA	6.991	563.0 -> 519.0	20298	0.5105	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 102.09%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	50384	0.9368	µg/L		89
Spiked Amount: 0.935	Range: 70 - 130%			Recovery = 100.20%			
PFNS	7.159	548.9 -> 80.0	3944	0.4467	µg/L		99
Spiked Amount: 0.481	Range: 70 - 130%			Recovery = 92.87%			
PFDoDA	7.368	613.0 -> 569.0	13201	0.4851	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 97.02%			
PFDS	7.525	598.9 -> 80.0	3208	0.4863	µg/L		97
Spiked Amount: 0.483	Range: 70 - 130%			Recovery = 100.79%			
PFTrDA	7.724	663.0 -> 619.0	16381	0.5244	µg/L		92
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.88%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	22023	0.9123	µg/L		96
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 96.54%			
PFTDA	8.093	712.9 -> 669.0	14185	0.5117	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 102.33%			
PFDoS	8.240	698.9 -> 80.0	2324	0.5038	µg/L		93
Spiked Amount: 0.485	Range: 70 - 130%			Recovery = 103.88%			
PFOSA	8.771	497.9 -> 78.0	6405	0.5168	µg/L		97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 103.36%			
MeFOSE	9.878	616.0 -> 59.0	19933	5.0521	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.04%			
N-MeFOSA	9.992	512.0 -> 219.0	1963	0.4827	µg/L		81
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 96.53%			
EtFOSE	10.210	630.0 -> 59.0	12341	5.2943	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.89%			
N-EtFOSA	10.323	526.0 -> 219.0	2350	0.5249	µg/L		94
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 104.98%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

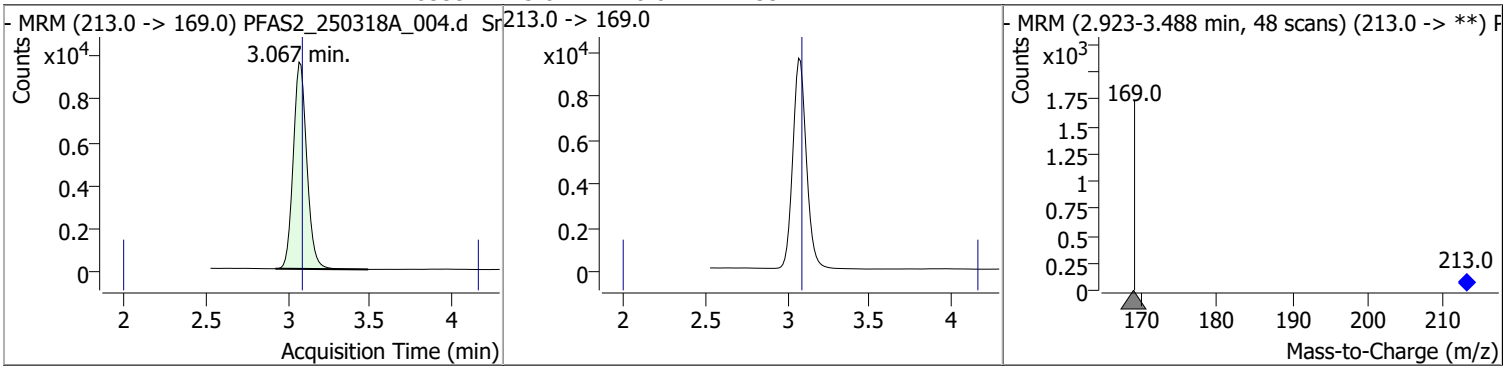
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0704	3.07	0.00	317973				



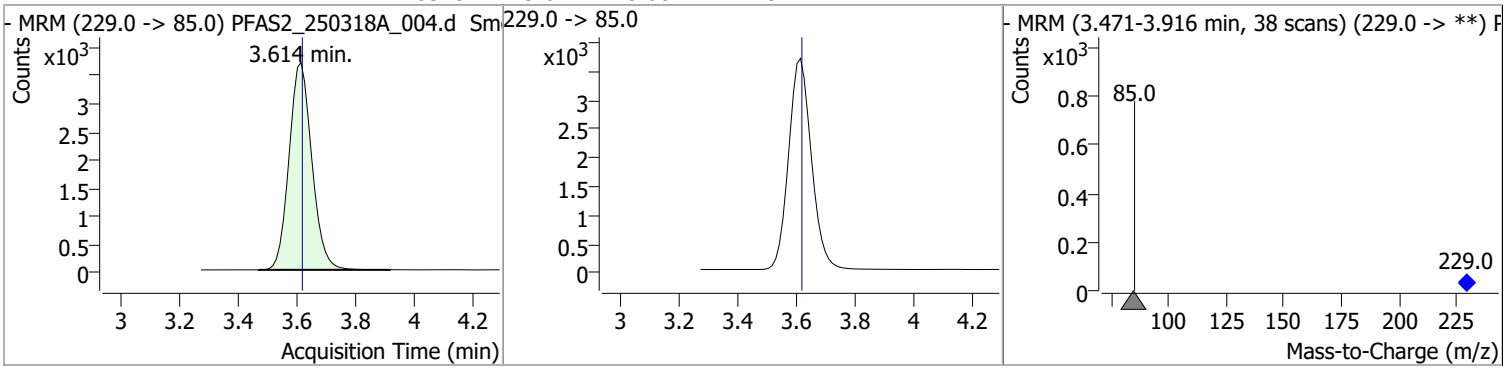
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	138947				



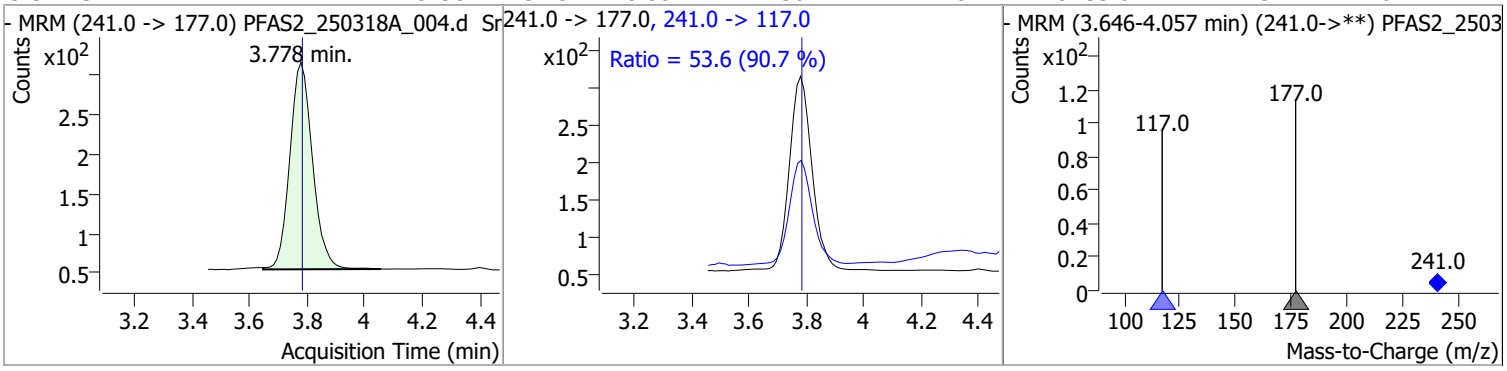
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.0555	3.07	-0.01	55122				



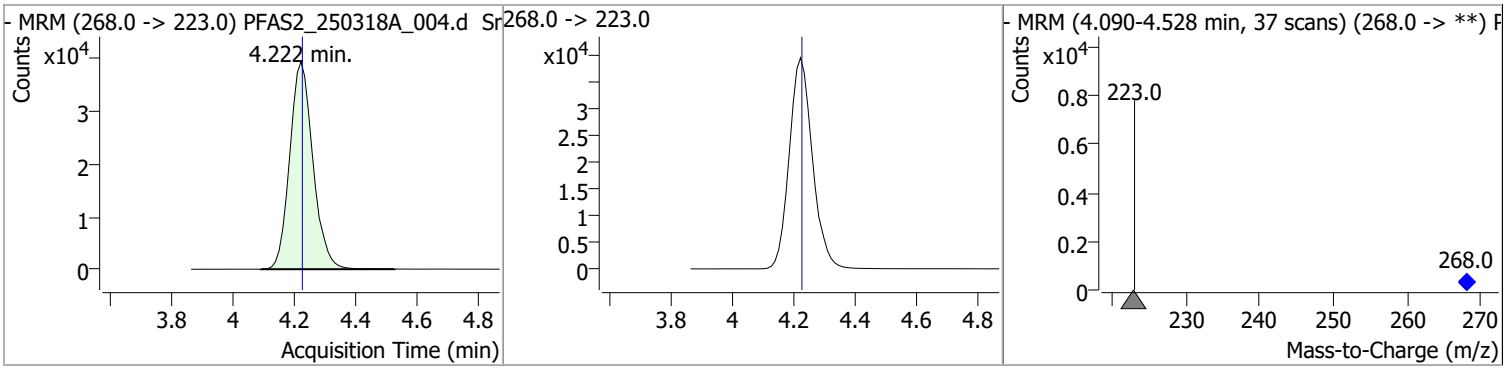
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	1.0375	3.61	0.00	19744				



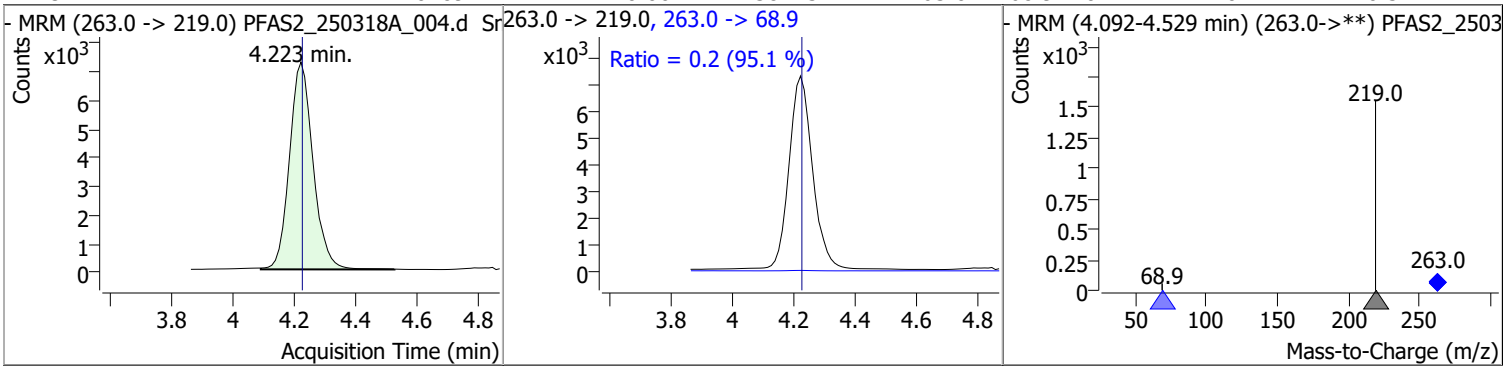
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	2.0290	3.78	0.00	1436	241.0 -> 117.0	53.6	41.3	76.7



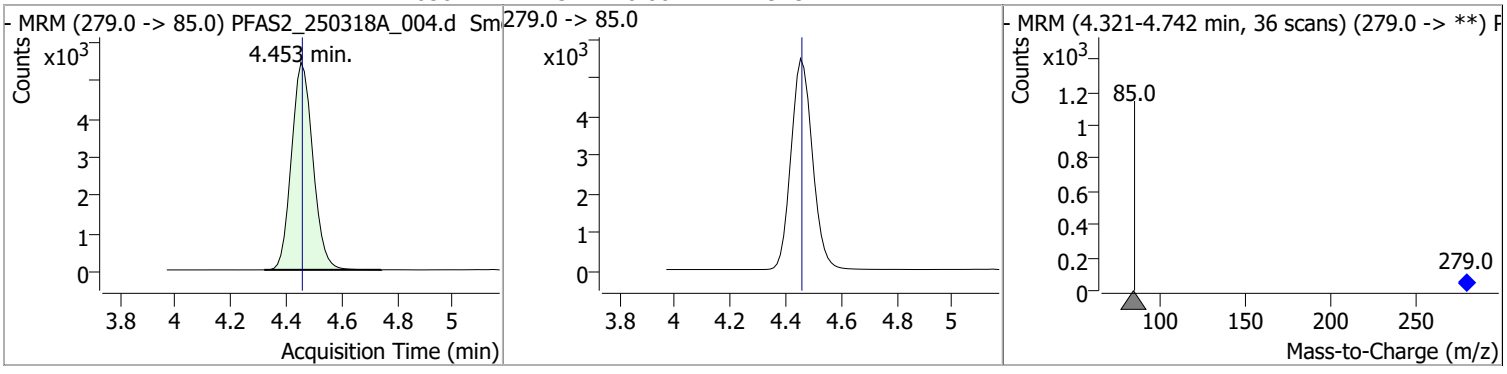
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1052	4.22	0.00	208008				



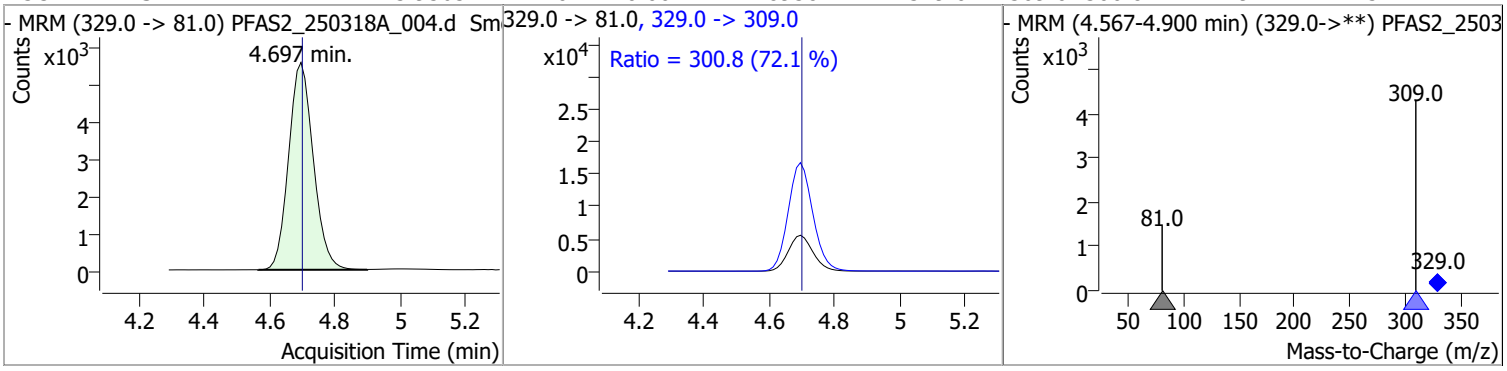
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.0289	4.22	0.00	38713	263.0 -> 68.9	0.2	0.1	0.3



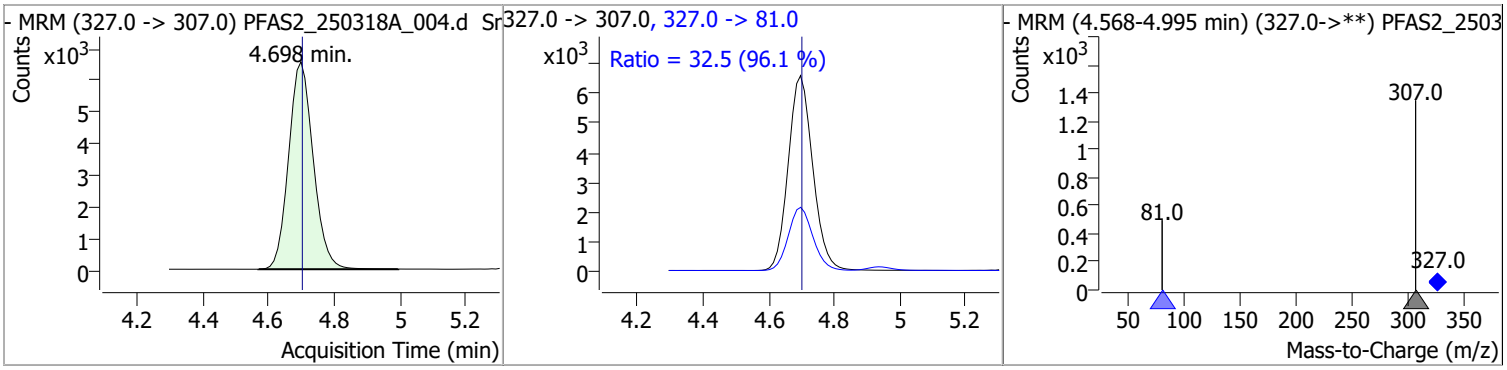
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.0304	4.45	0.00	29151				



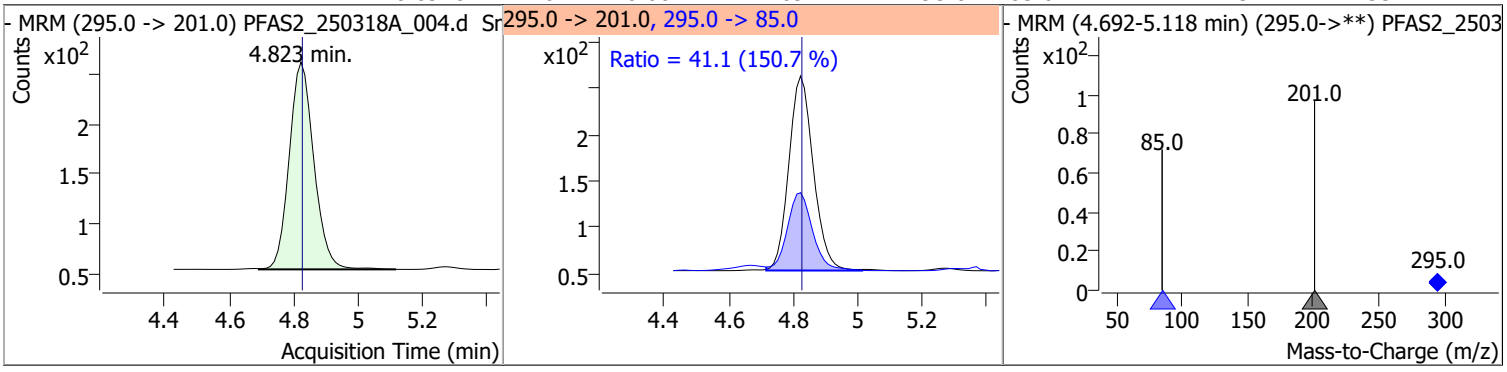
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9565	4.70	0.00	28958	329.0 -> 309.0	300.8	292.1	542.4



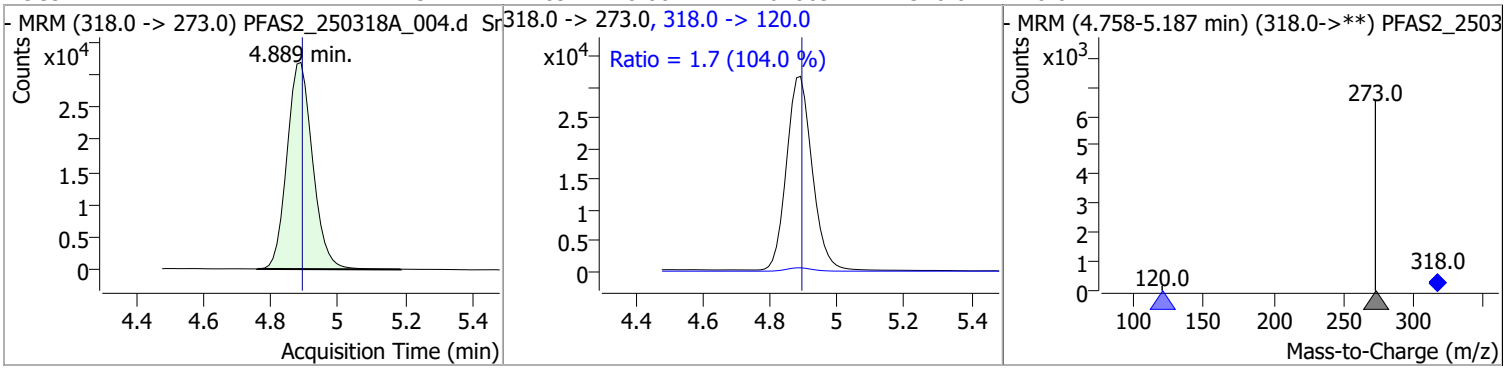
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	1.9349	4.70	0.00	34054	327.0 -> 81.0	32.5	23.6	43.9



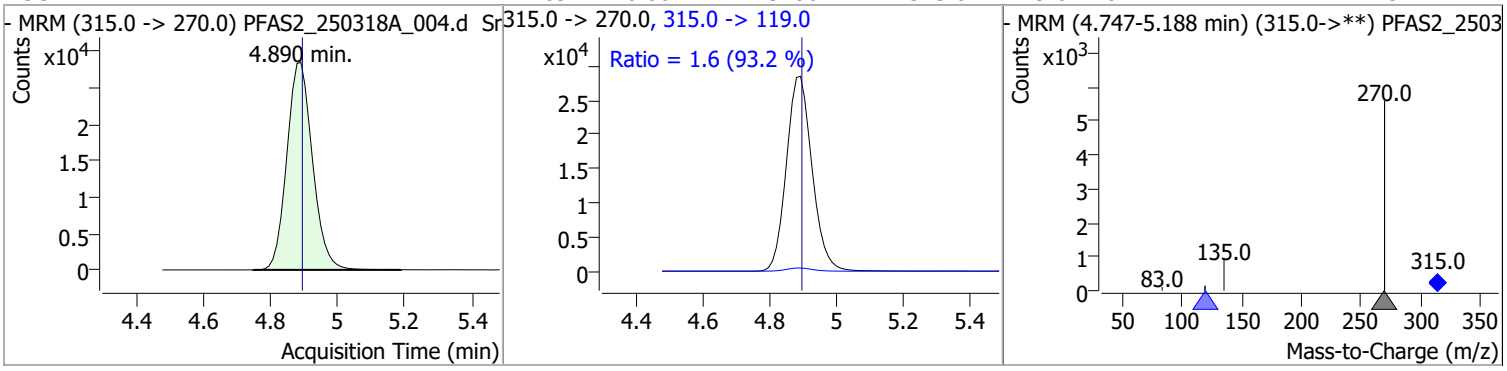
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.8978	4.82	0.00	1109	295.0 -> 85.0	41.1	19.1	35.4



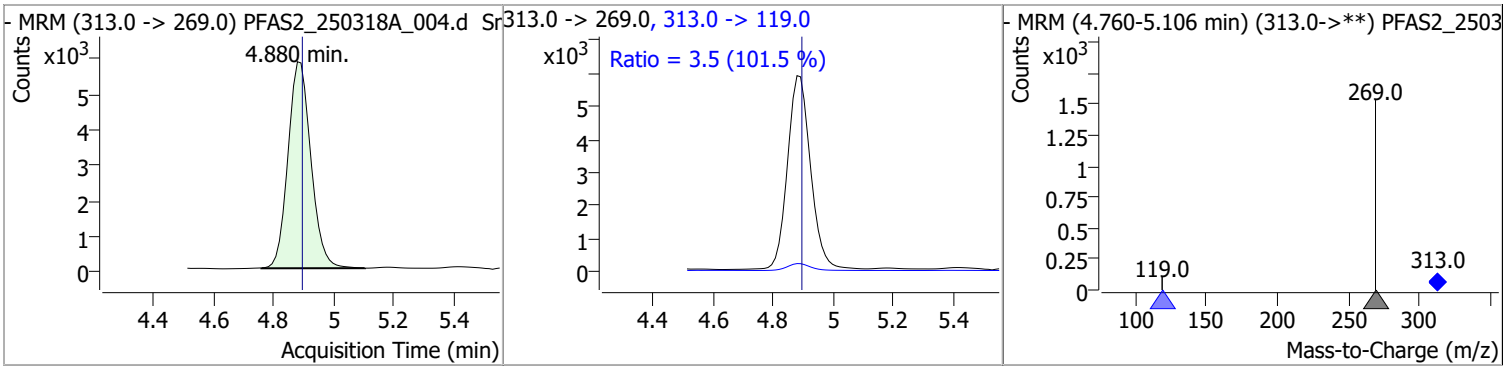
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5242	4.89	0.00	167889	318.0 -> 120.0	1.7	1.1	2.1



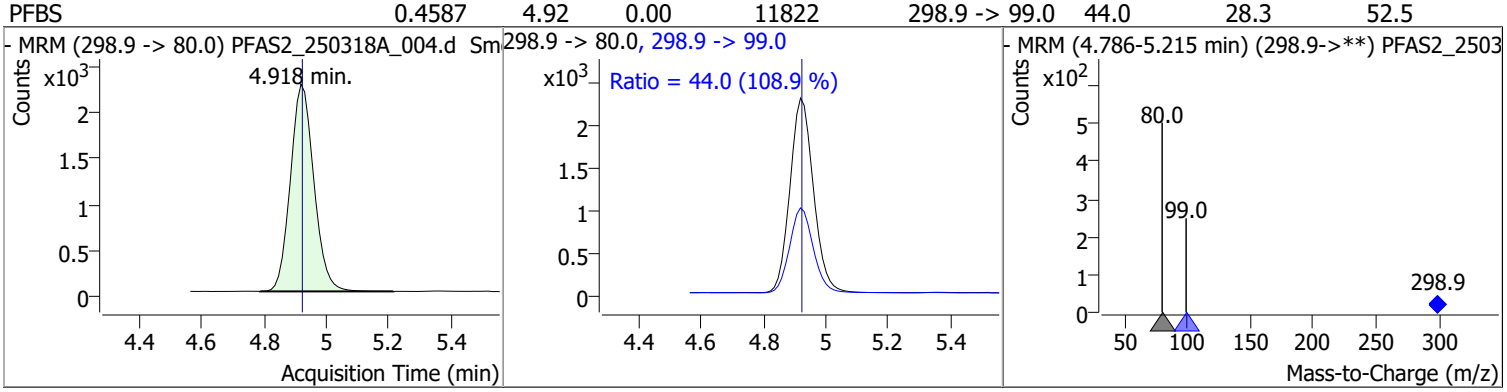
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	151064	315.0 -> 119.0	1.6	1.2	2.3



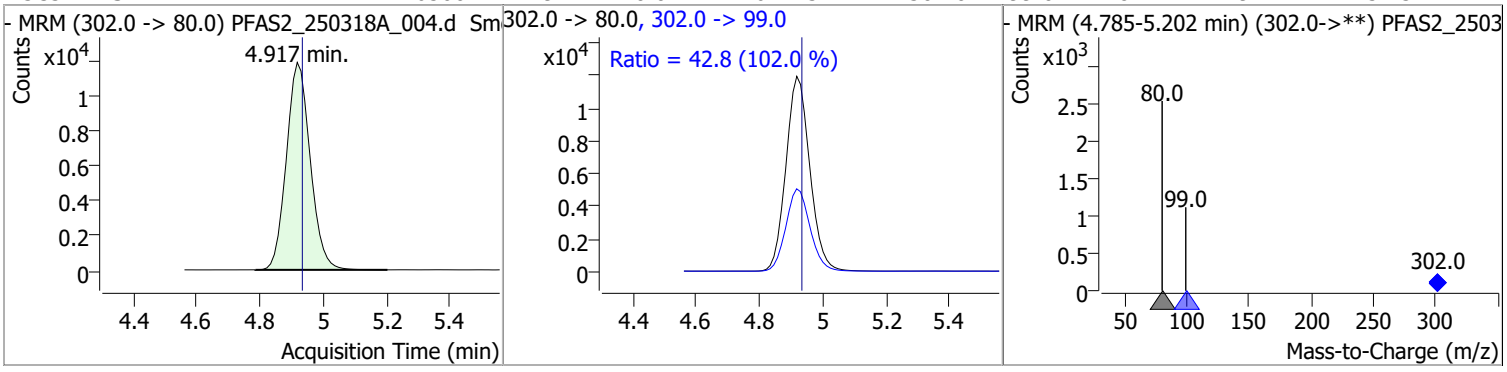
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5150	4.88	-0.01	30941	313.0 -> 119.0	3.5	2.4	4.5



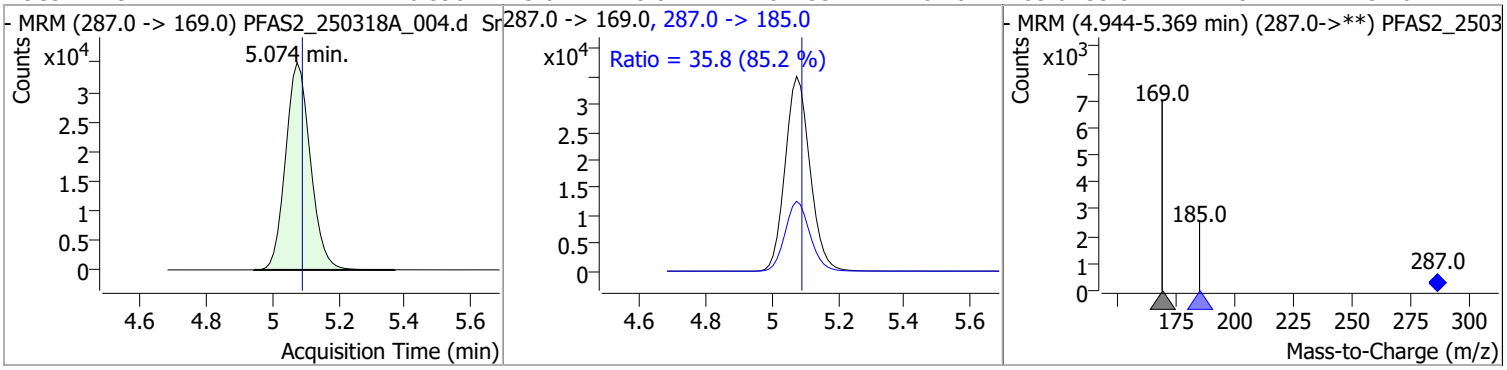
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.4587	4.92	0.00	11822	298.9 -> 99.0	44.0	28.3	52.5



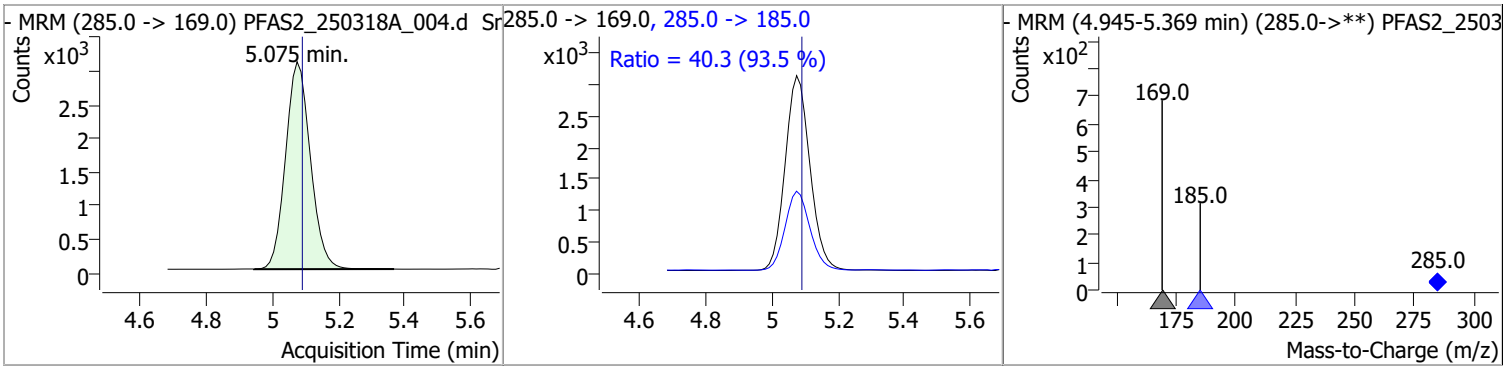
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6500	4.92	-0.01	62113	302.0 -> 99.0	42.8	29.4	54.5



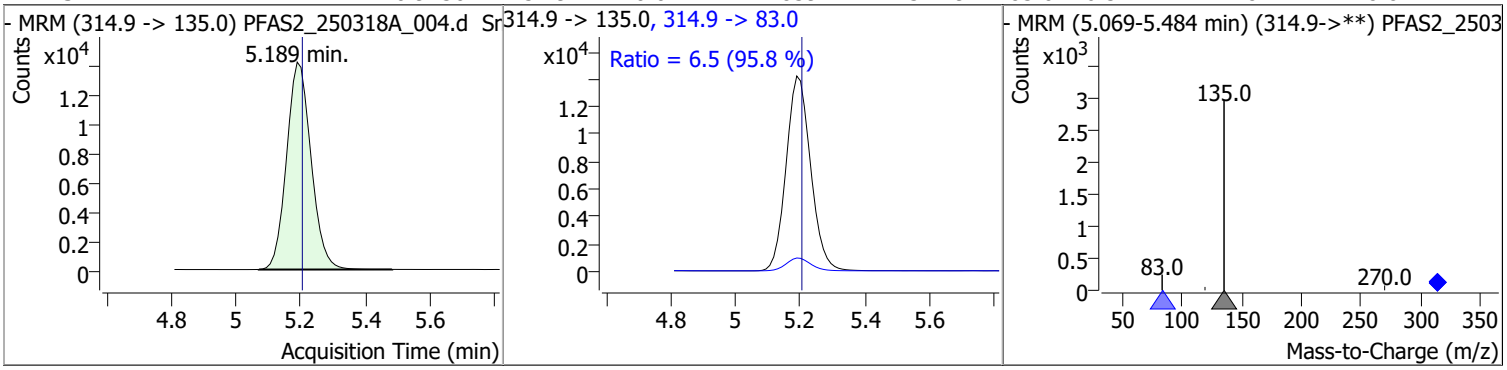
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.5907	5.07	-0.01	182255	287.0 -> 185.0	35.8	29.4	54.6



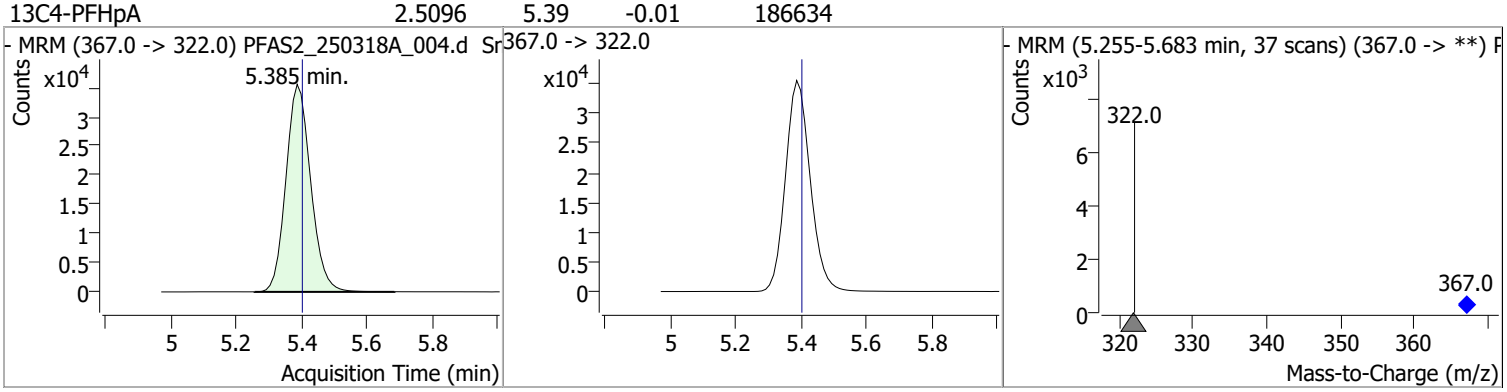
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.9974	5.07	-0.01	16127	285.0 -> 185.0	40.3	30.1	56.0



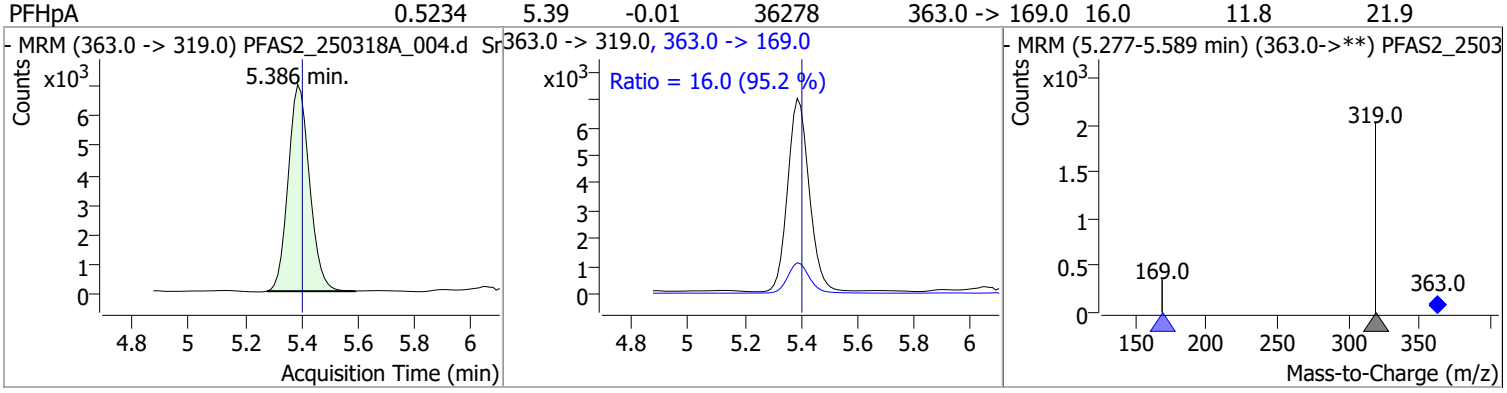
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.9230	5.19	-0.01	74839	314.9 -> 83.0	6.5	4.8	8.8



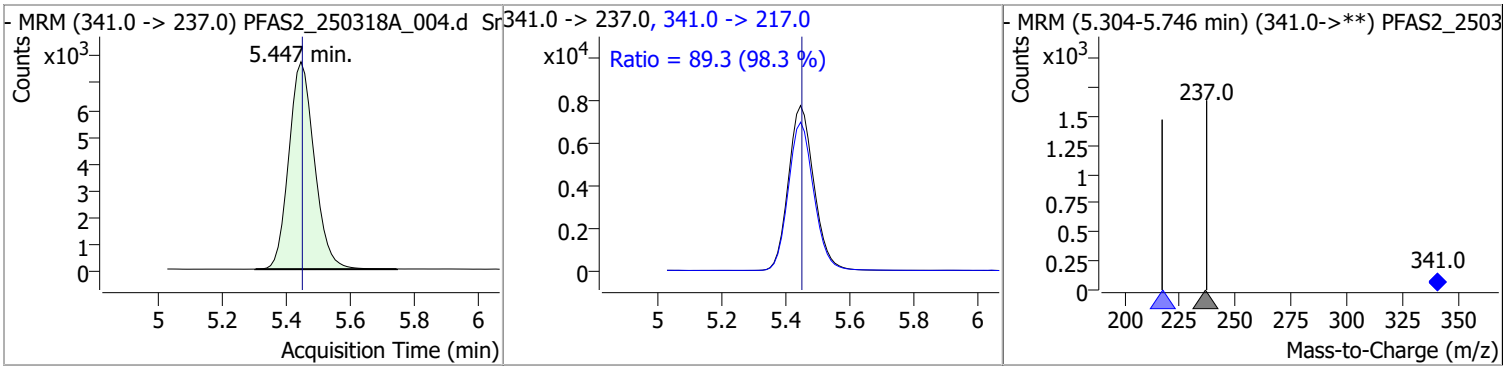
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5096	5.39	-0.01	186634				



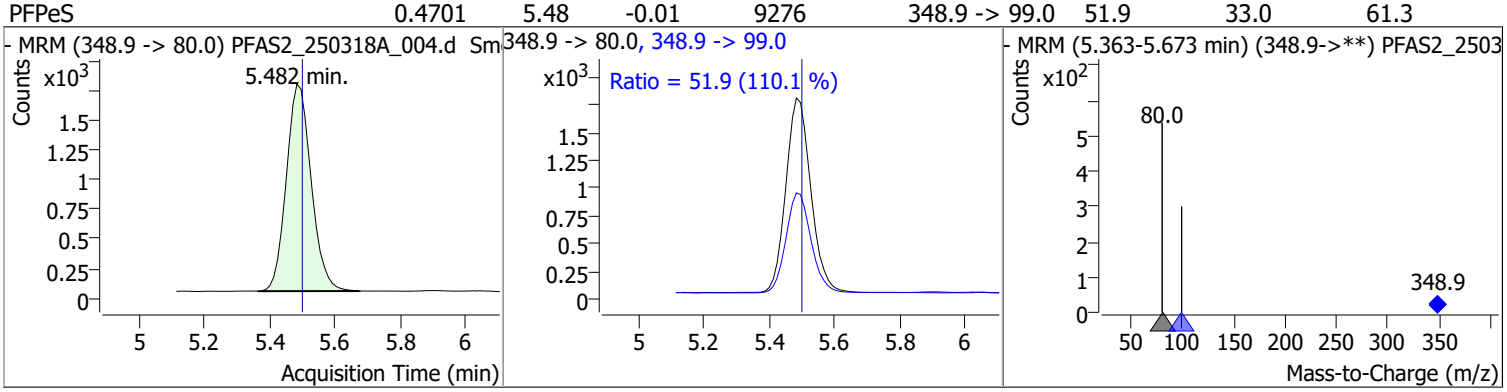
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.5234	5.39	-0.01	36278	363.0 -> 169.0	16.0	11.8	21.9



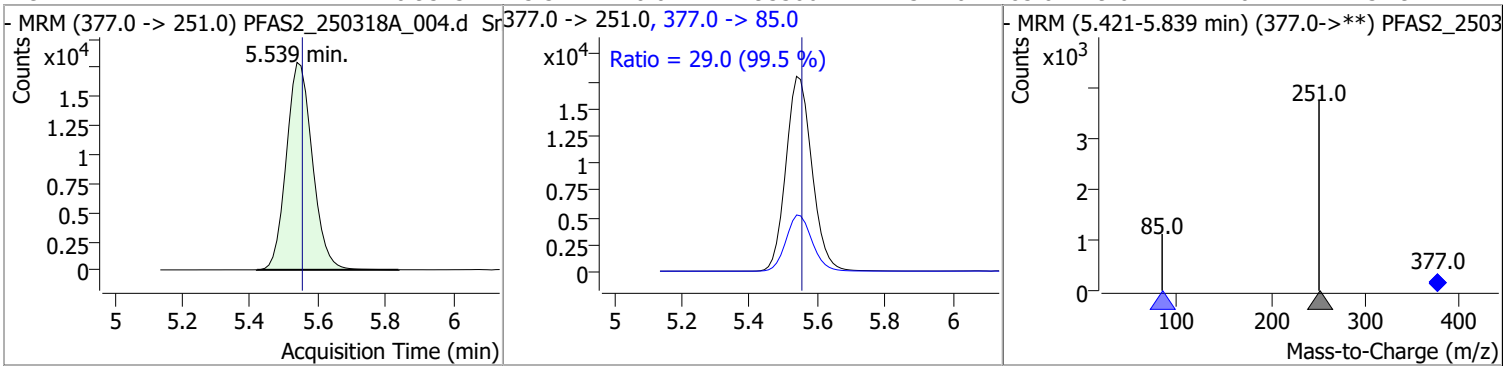
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	9.3855	5.45	0.00	42833	341.0 -> 217.0	89.3	63.6	118.1



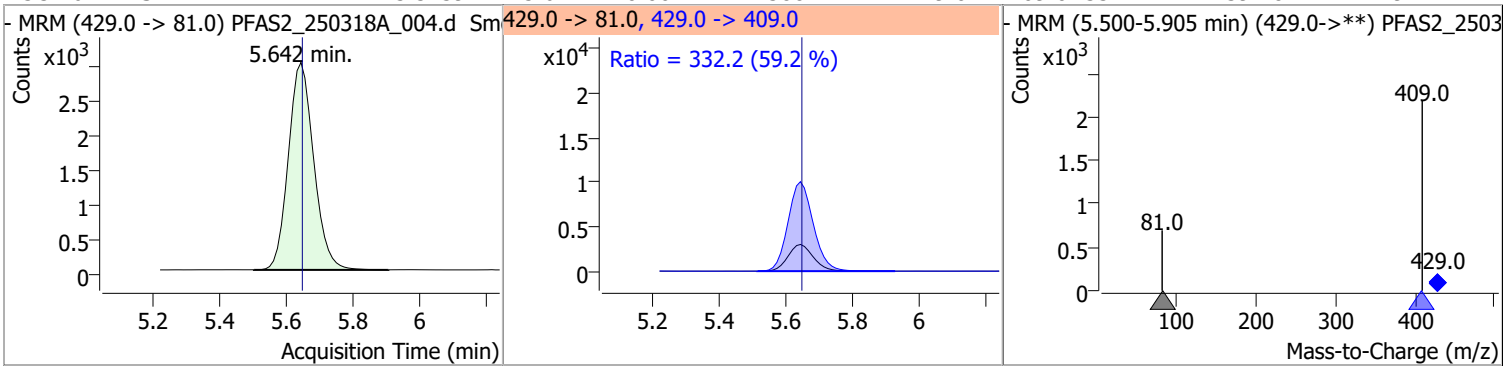
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.4701	5.48	-0.01	9276	348.9 -> 99.0	51.9	33.0	61.3



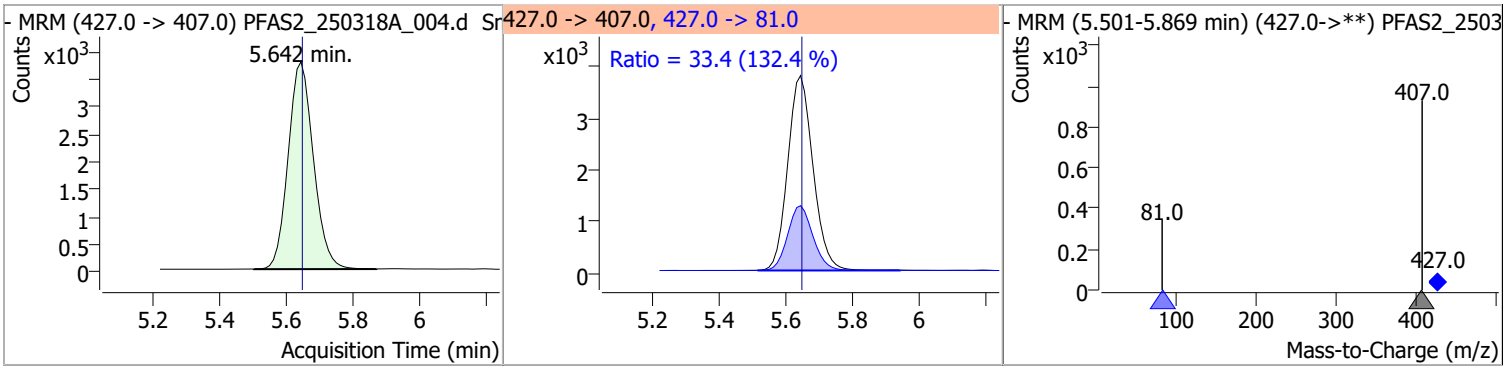
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9513	5.54	-0.01	95306	377.0 -> 85.0	29.0	20.4	37.9



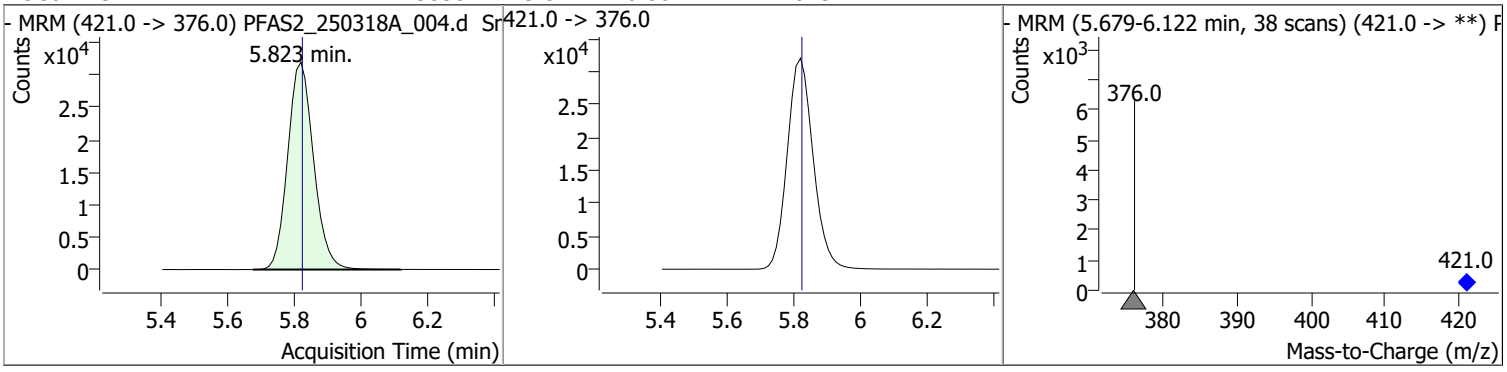
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5739	5.64	0.00	15887	429.0 -> 409.0	332.2	392.8	729.4



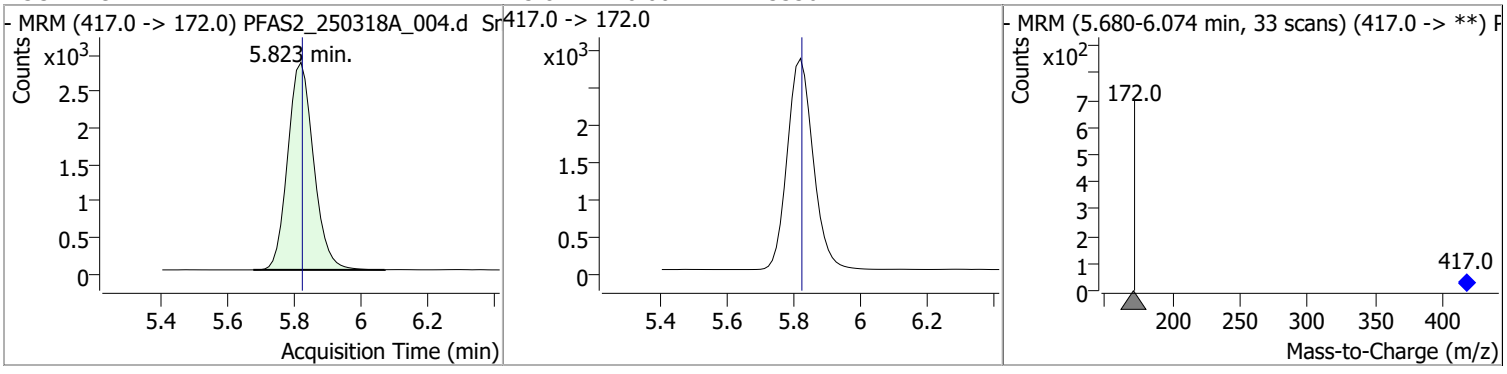
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	1.8781	5.64	0.00	19884	427.0 -> 81.0	33.4	17.7	32.8



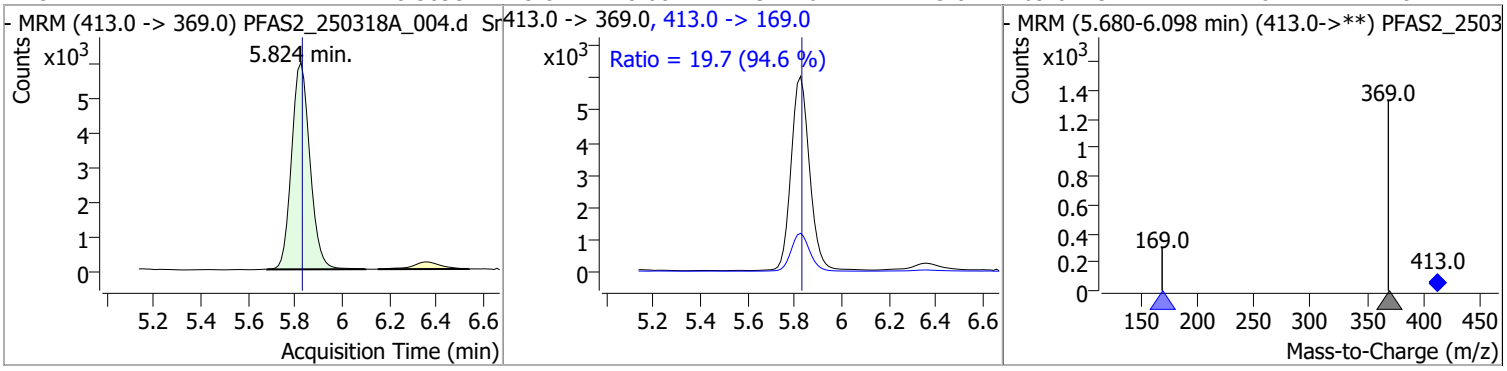
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5050	5.82	0.00	172023				



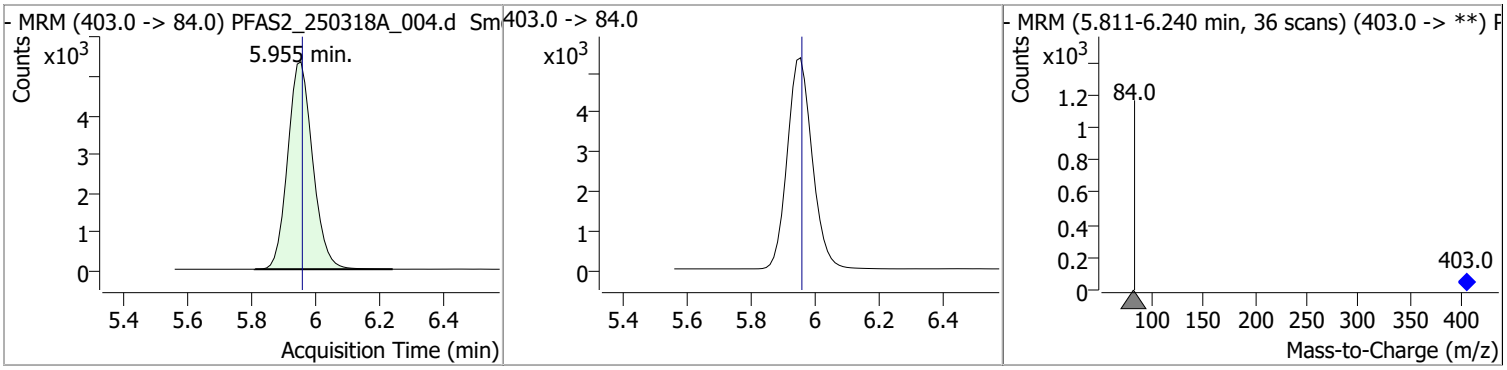
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15356				



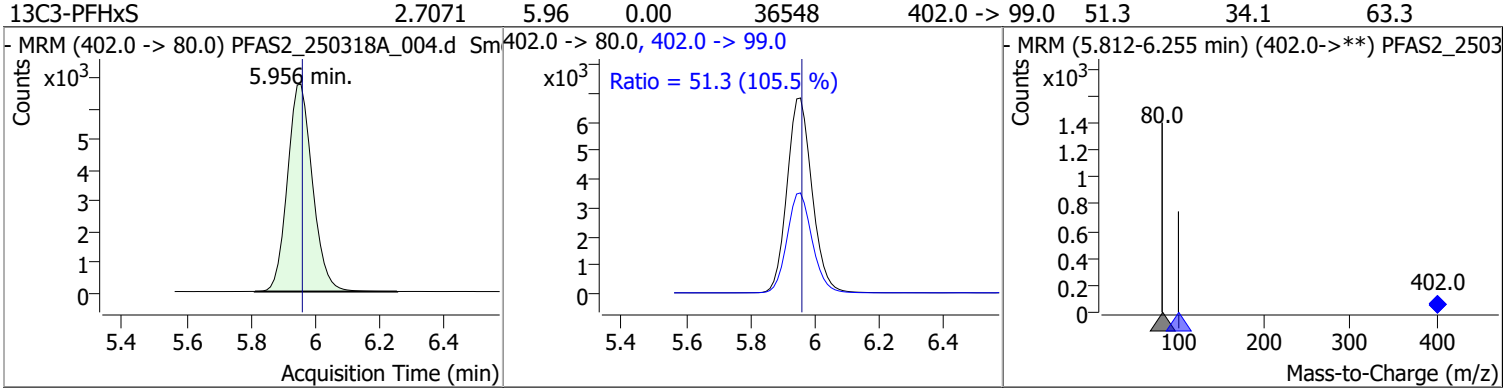
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5093	5.82	0.00	32276	413.0 -> 169.0	19.7	14.6	27.0



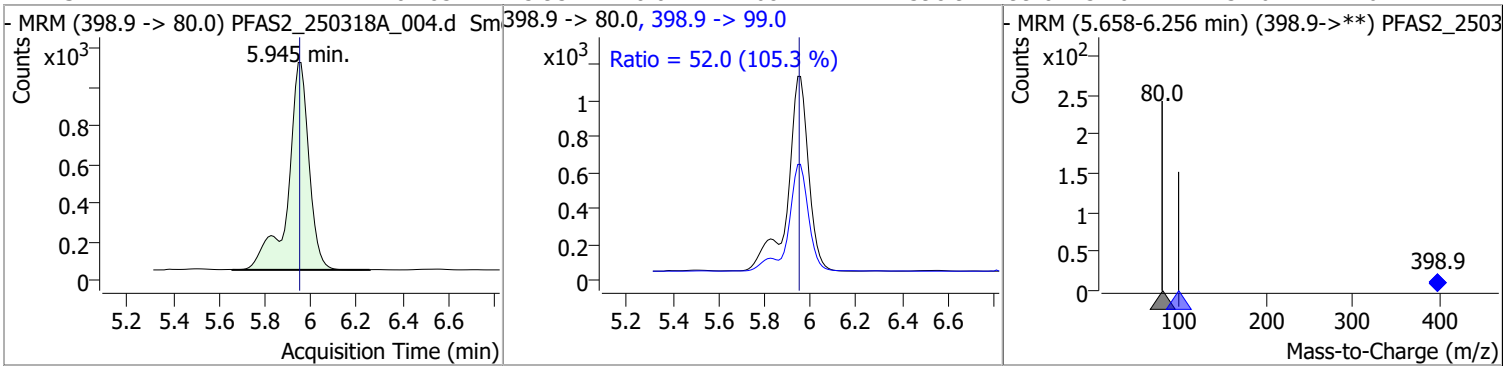
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28623				



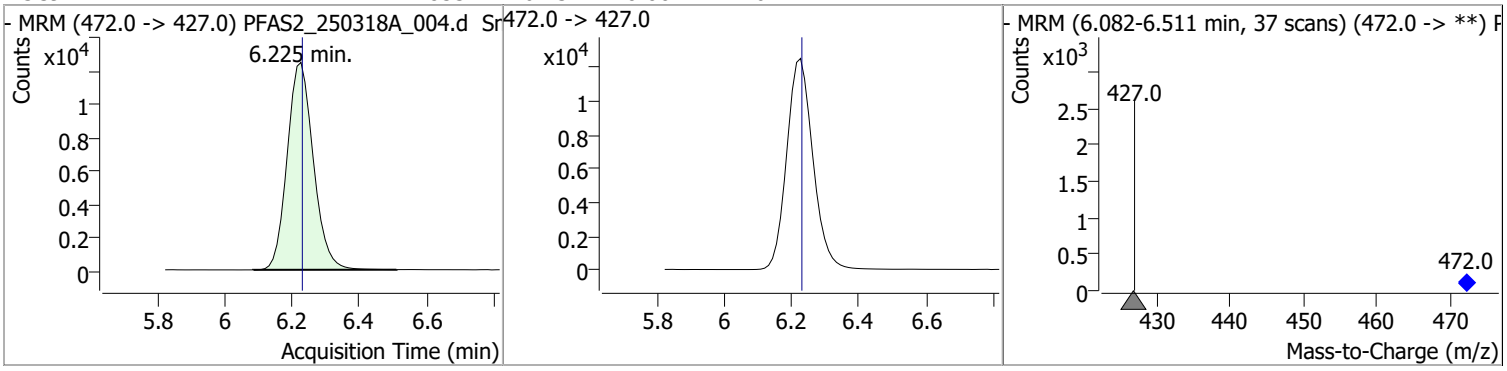
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.7071	5.96	0.00	36548	402.0 -> 99.0	51.3	34.1	63.3



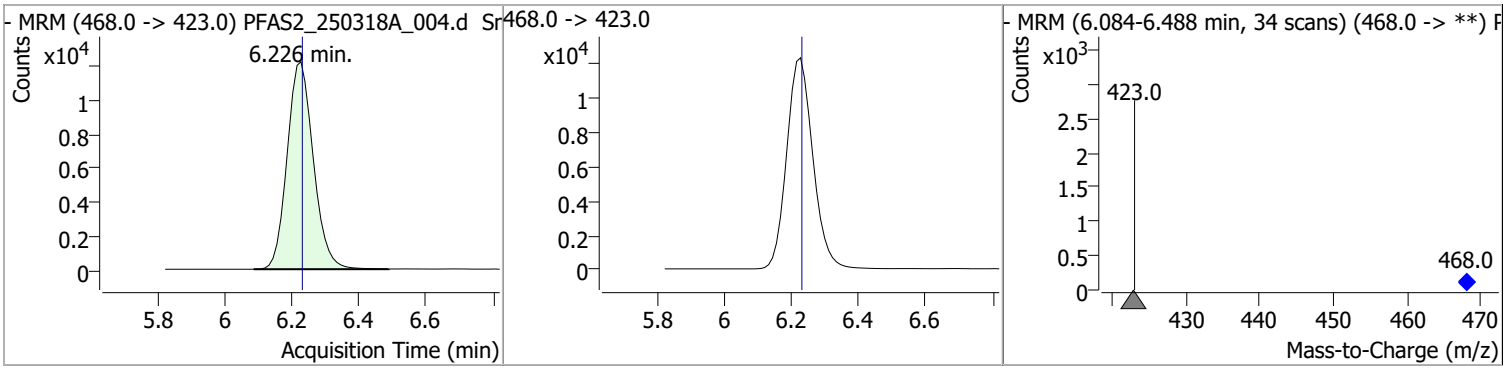
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.4837	5.95	-0.01	6877	398.9 -> 99.0	52.0	34.6	64.2



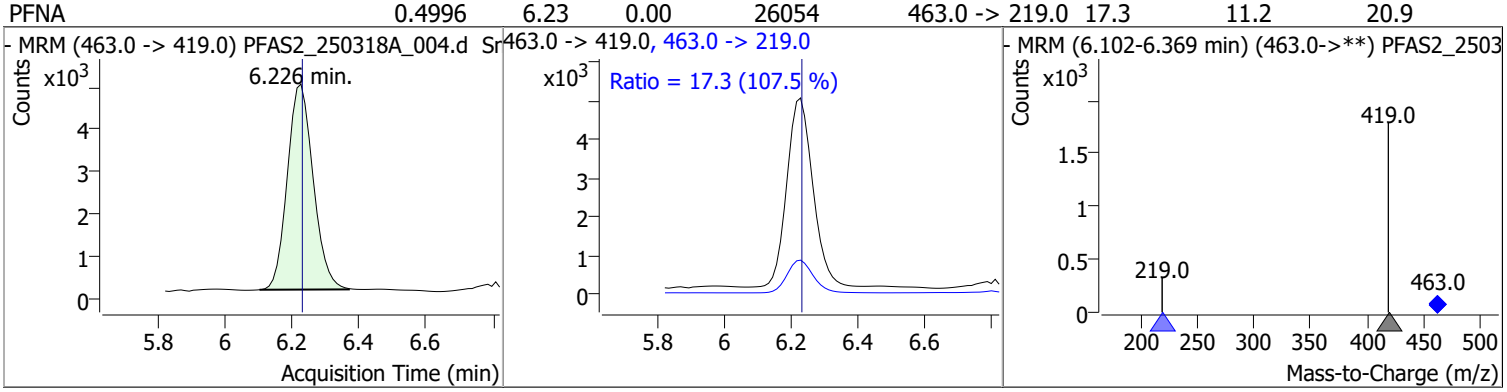
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2853	6.23	0.00	67714				



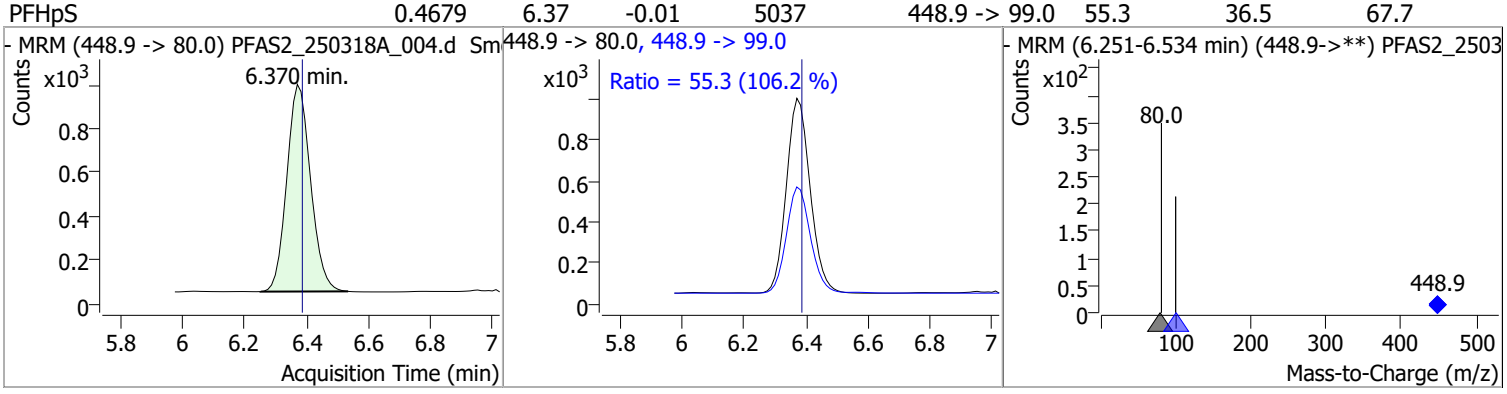
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	66486				



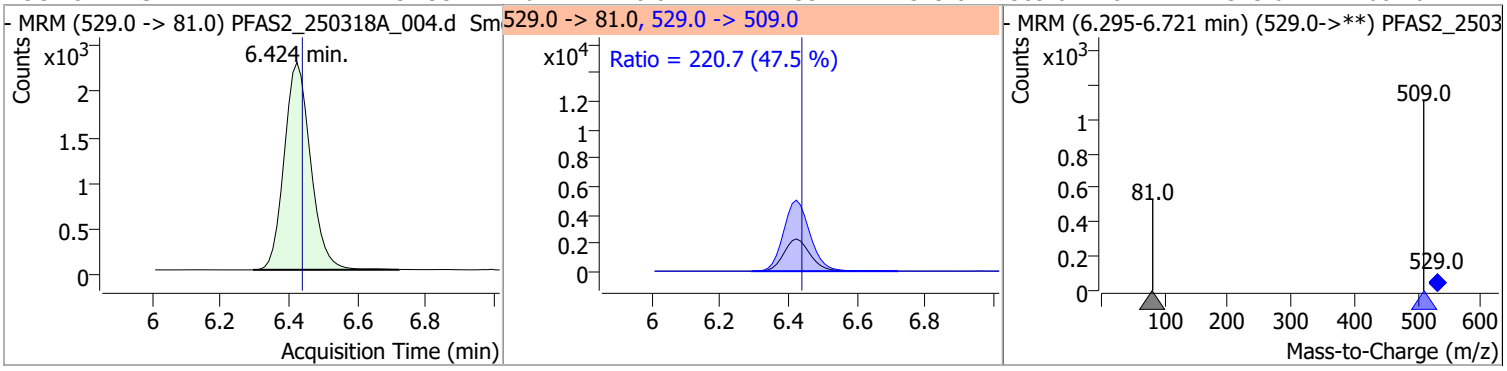
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4996	6.23	0.00	26054	463.0 -> 219.0	17.3	11.2	20.9



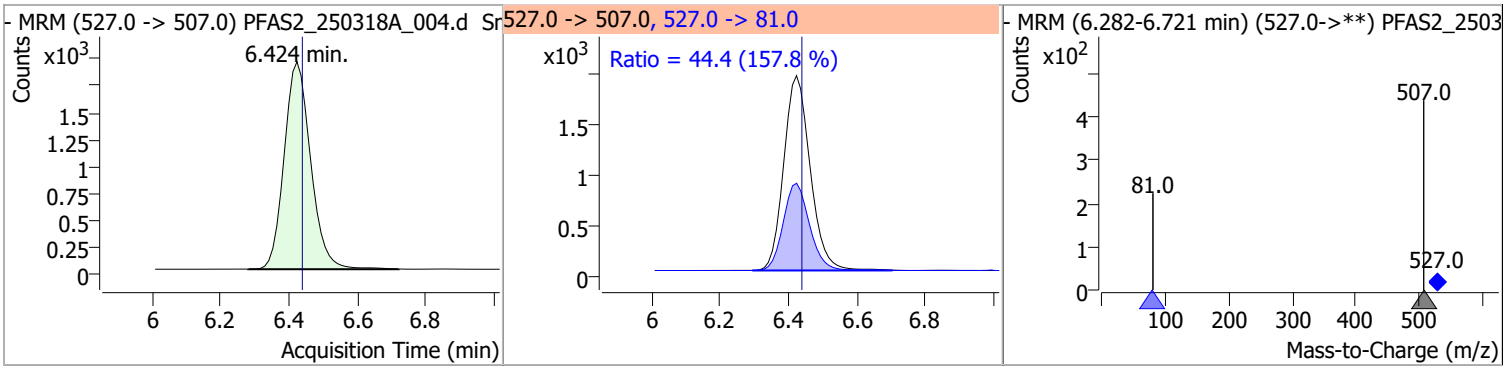
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.4679	6.37	-0.01	5037	448.9 -> 99.0	55.3	36.5	67.7



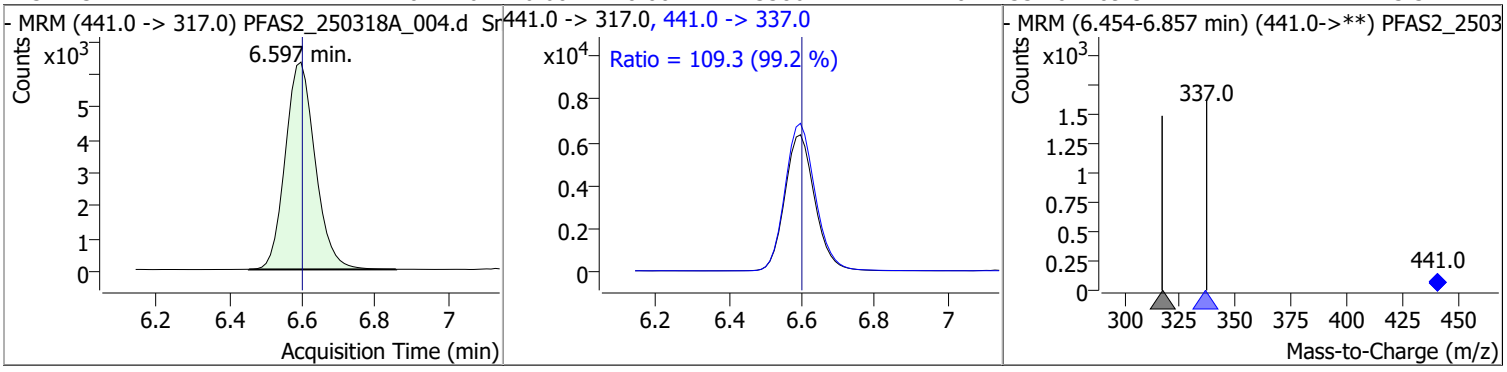
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2954	6.42	-0.01	12135	529.0 -> 509.0	220.7	325.6	604.6



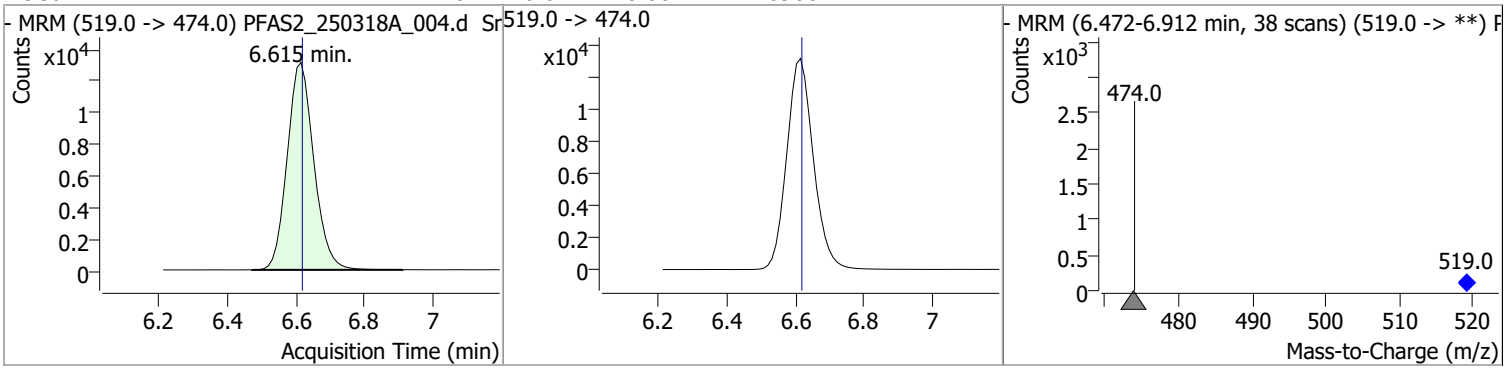
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	1.9433	6.42	-0.01	10350	527.0 -> 81.0	44.4	19.7	36.6



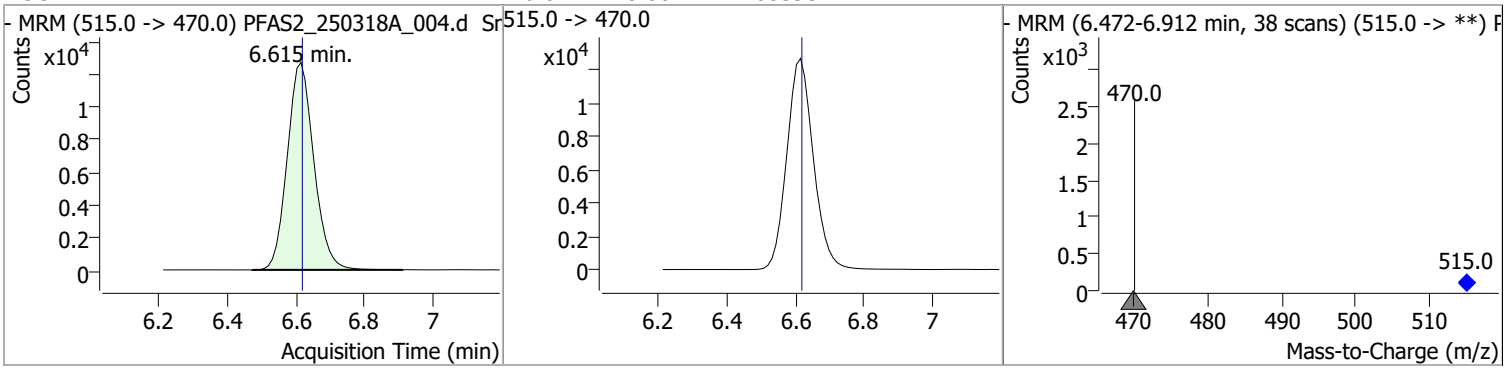
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	10.4176	6.60	0.00	35862	441.0 -> 337.0	109.3	77.1	143.3



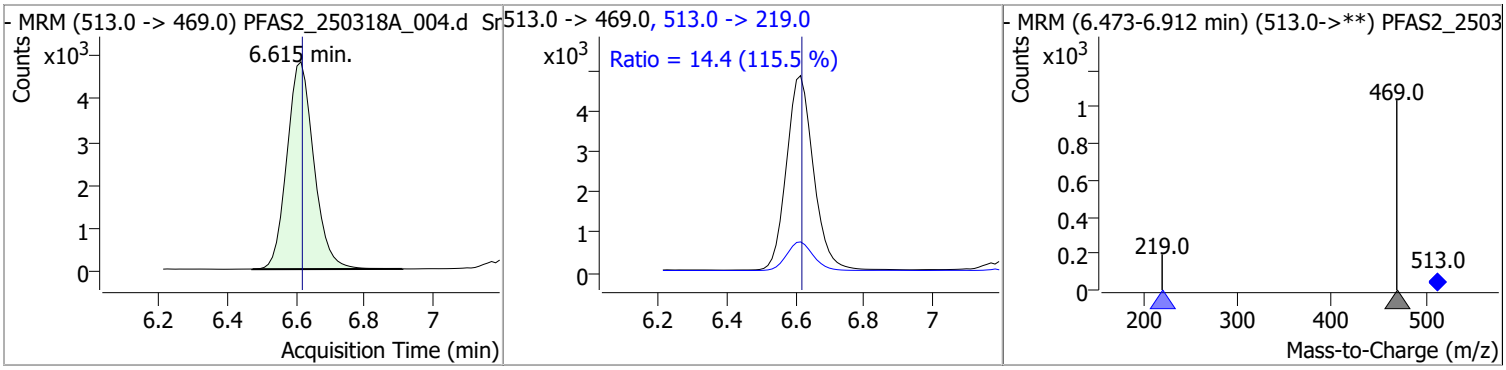
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2740	6.61	0.00	70908				



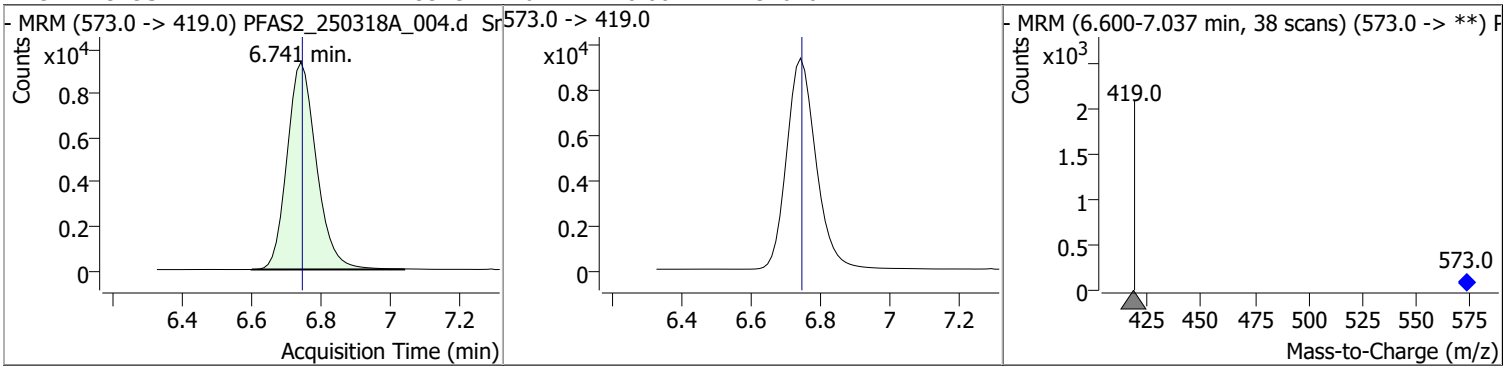
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	68395				



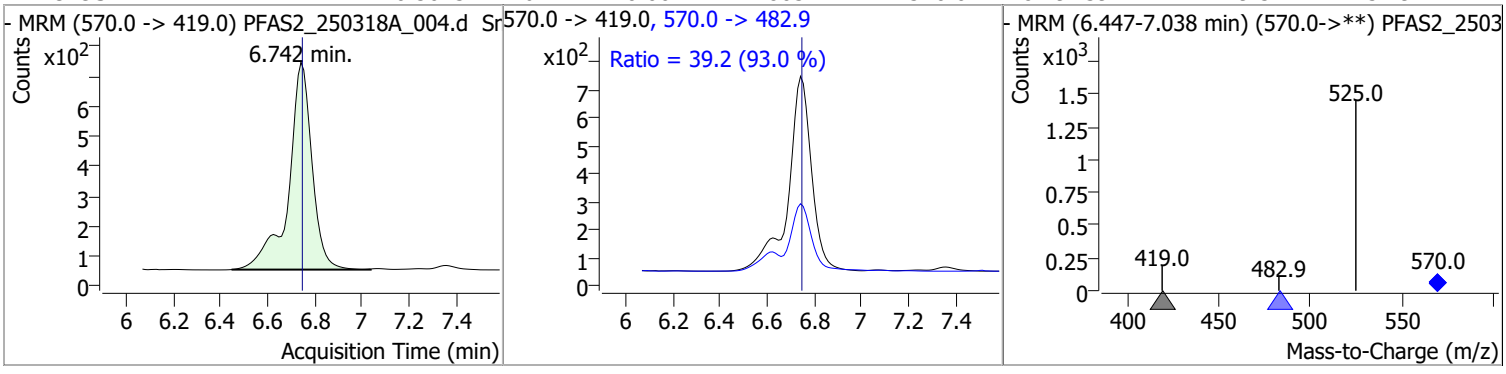
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.5028	6.62	0.00	26247	513.0 -> 219.0	14.4	8.7	16.2



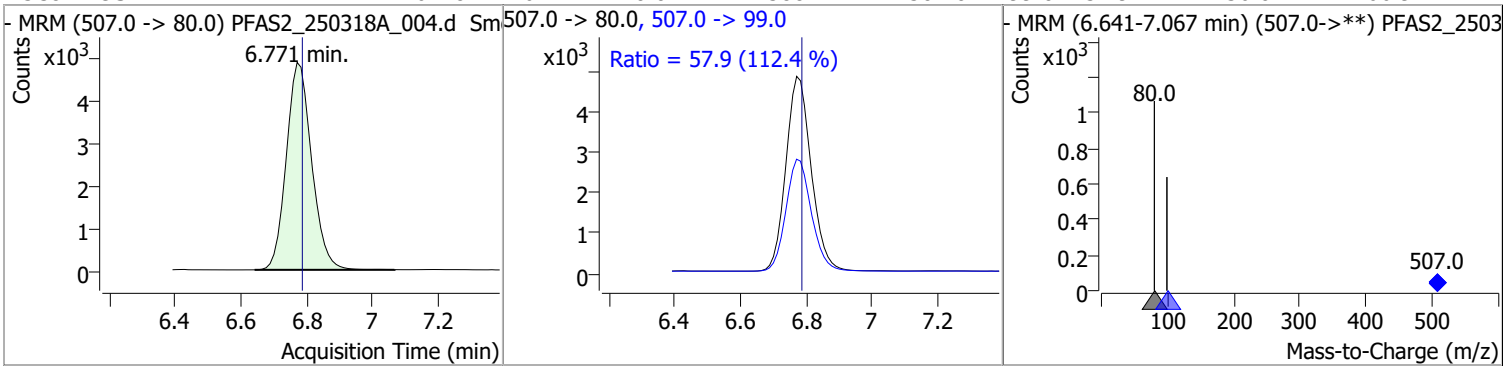
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9923	6.74	0.00	54670				



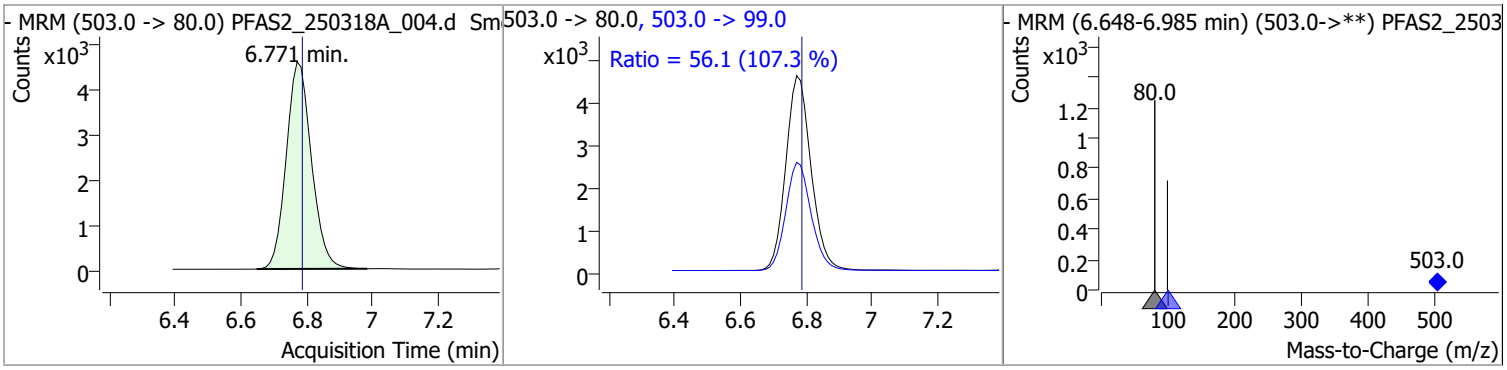
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.5043	6.74	0.00	4803	570.0 -> 482.9	39.2	29.5	54.9



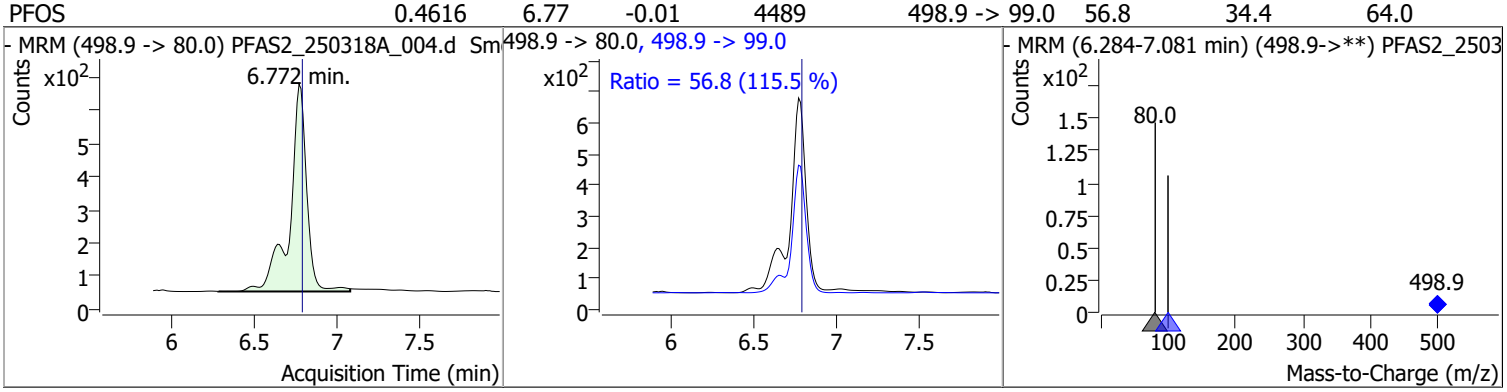
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.6128	6.77	-0.01	25881	507.0 -> 99.0	57.9	36.0	66.9



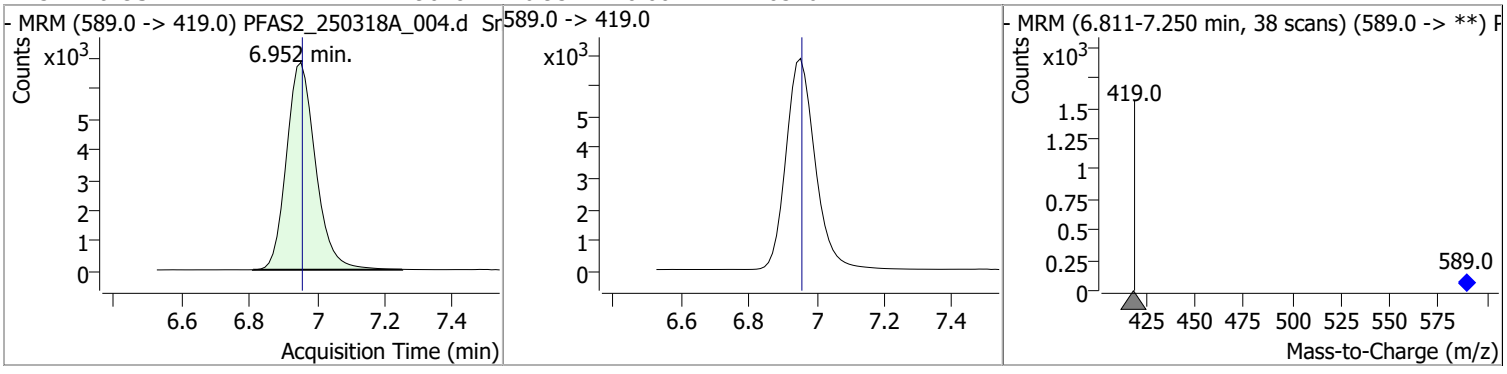
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24406	503.0 -> 99.0	56.1	36.6	67.9



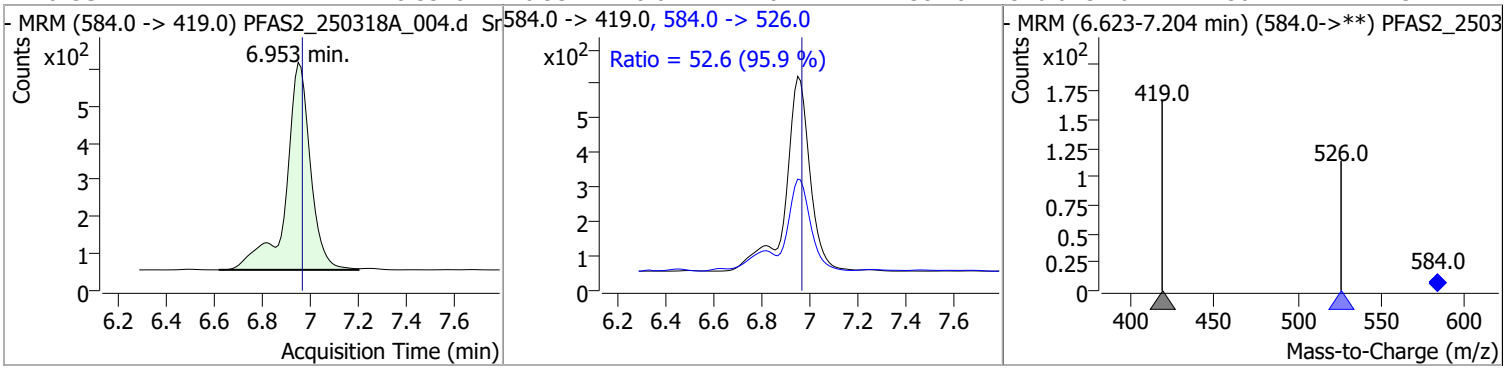
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.4616	6.77	-0.01	4489	498.9 -> 99.0	56.8	34.4	64.0



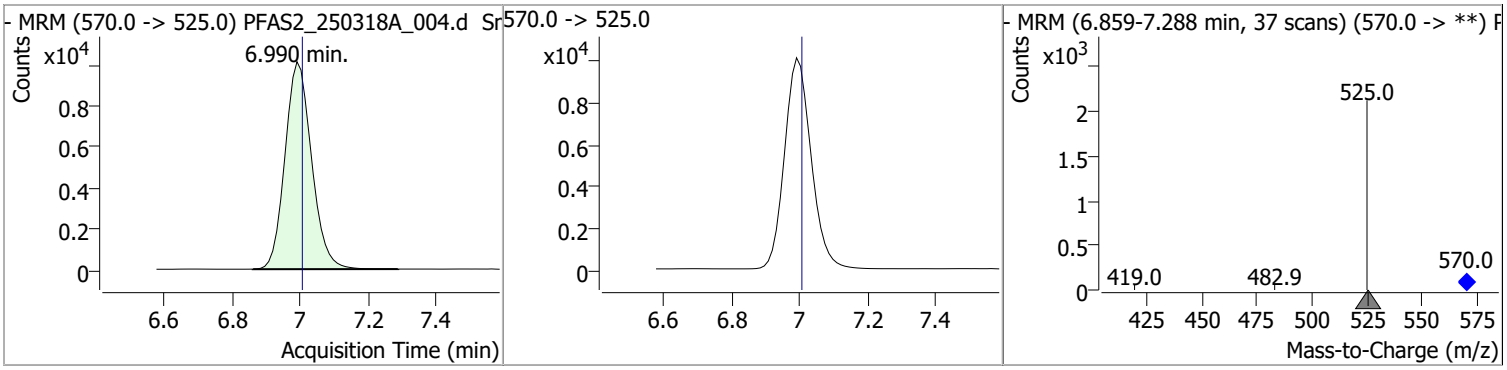
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9078	6.95	0.00	40576				



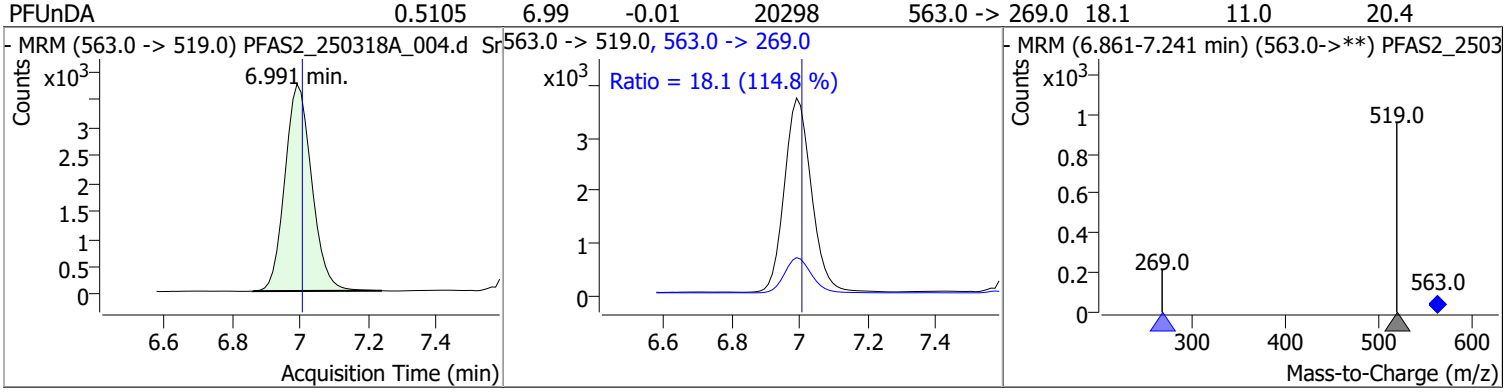
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.5348	6.95	-0.01	4021	584.0 -> 526.0	52.6	38.4	71.3



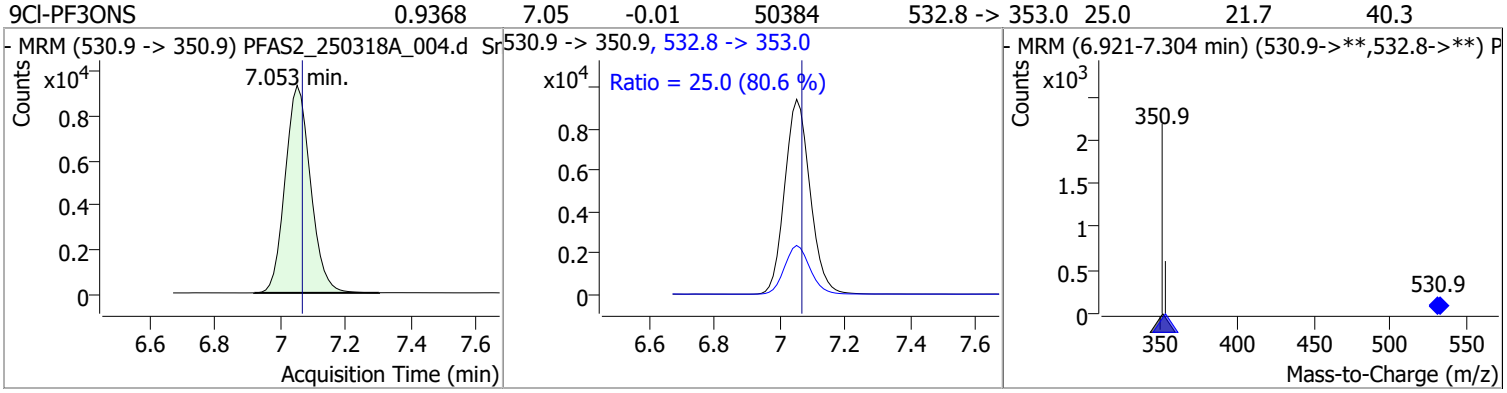
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2494	6.99	-0.01	54804				



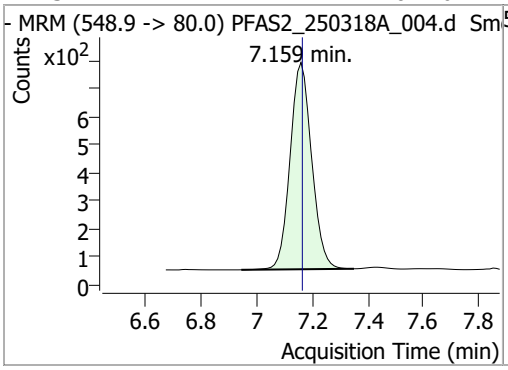
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.5105	6.99	-0.01	20298	563.0 -> 269.0	18.1	11.0	20.4

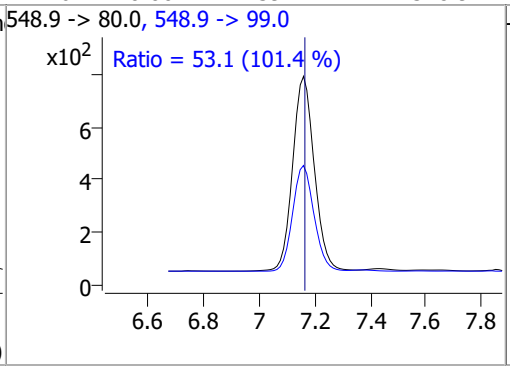


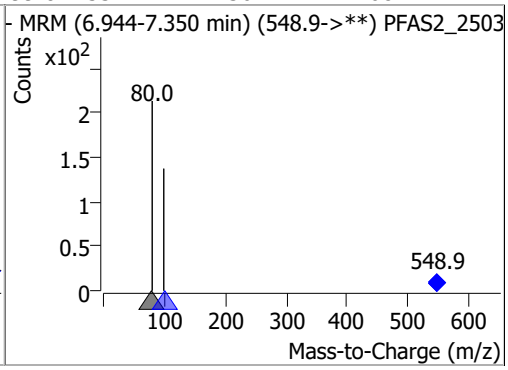
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.9368	7.05	-0.01	50384	532.8 -> 353.0	25.0	21.7	40.3



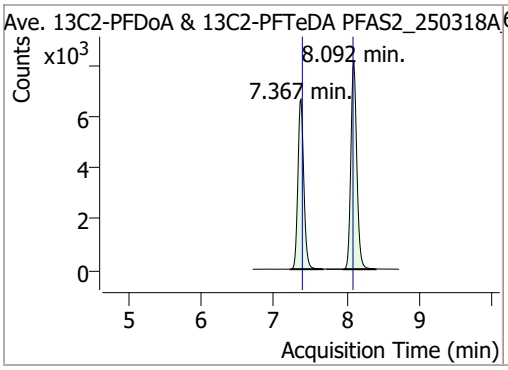
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.4467	7.16	0.00	3944	548.9 -> 99.0	53.1	36.7	68.1

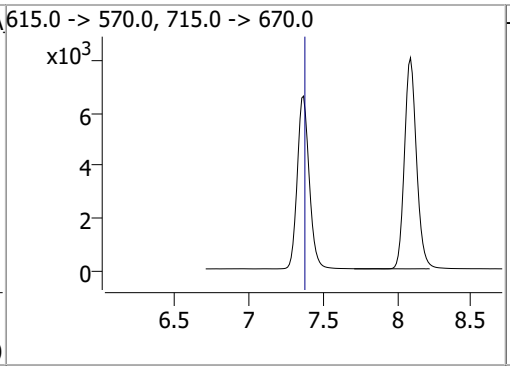


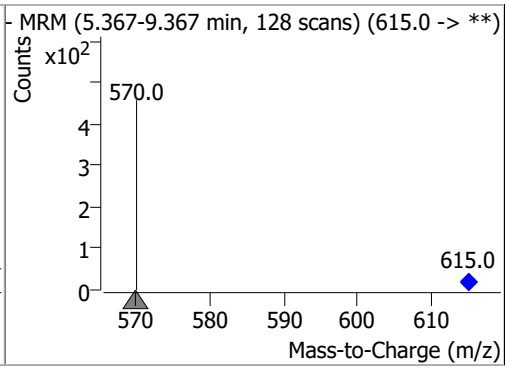




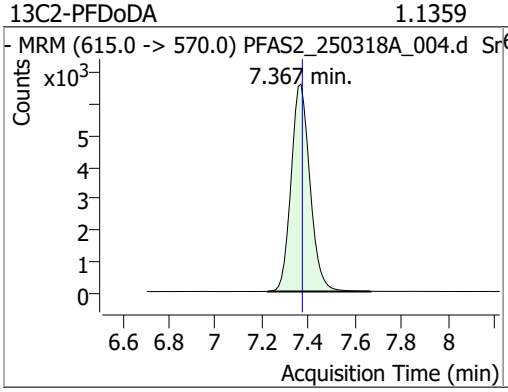
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.1467	7.73	0.36	41458				

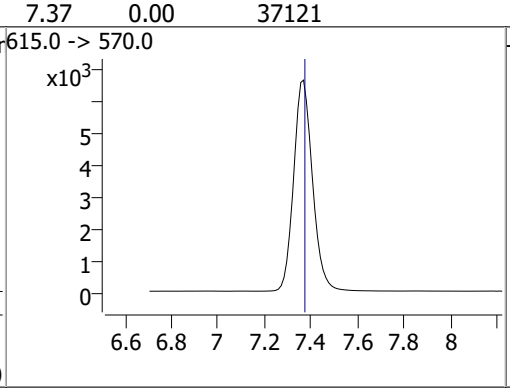


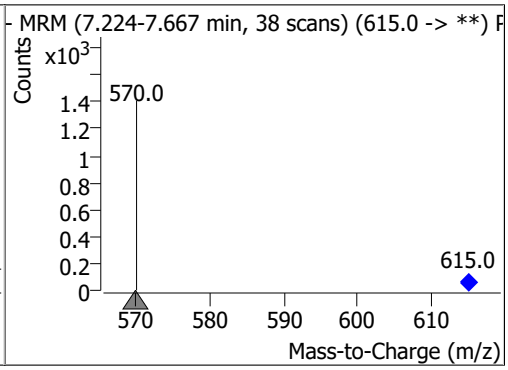




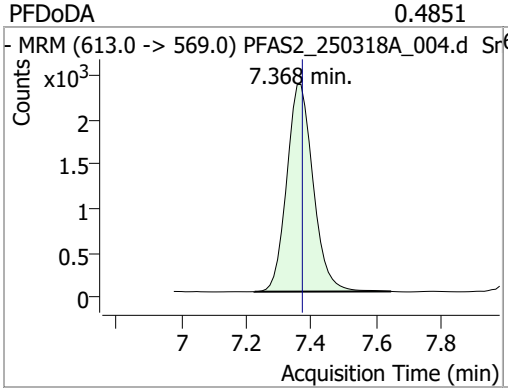
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1359	7.37	0.00	37121				

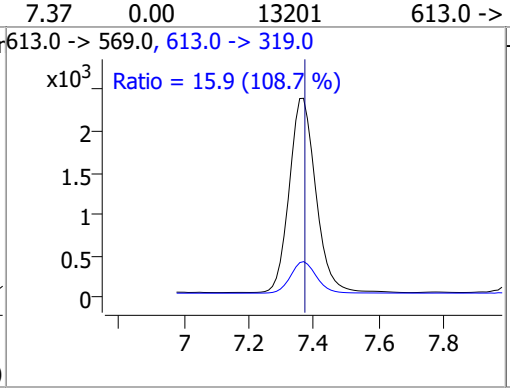


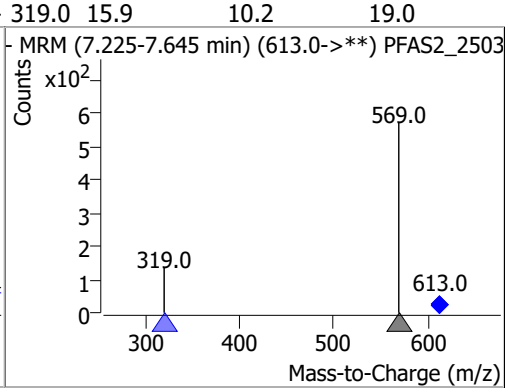




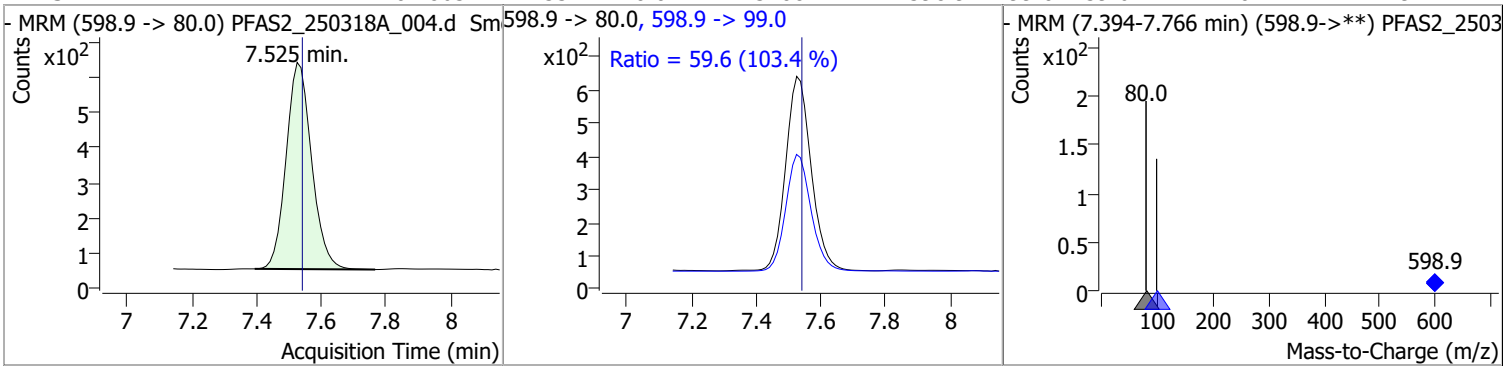
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.4851	7.37	0.00	13201	613.0 -> 319.0	15.9	10.2	19.0



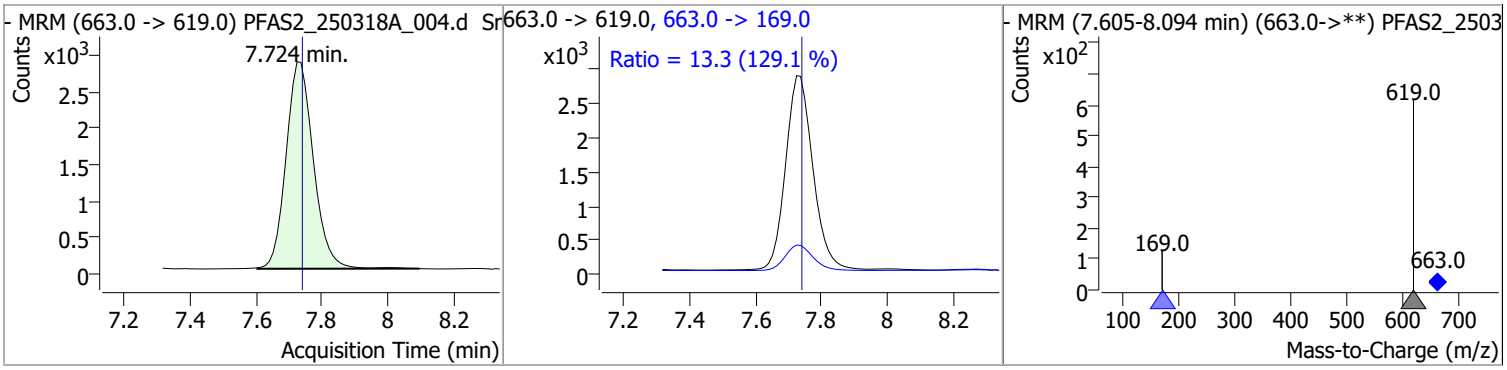




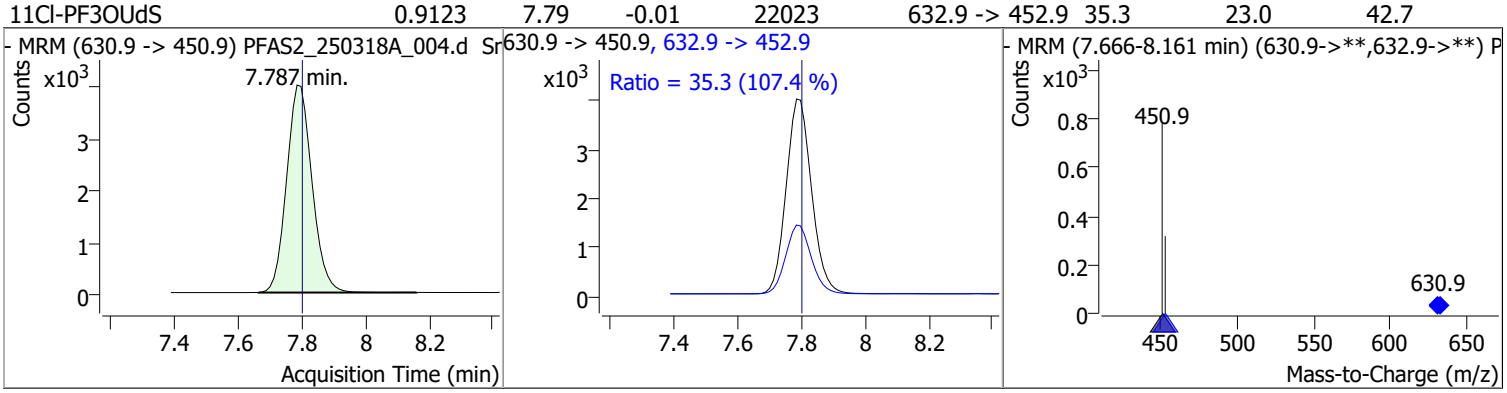
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.4863	7.53	-0.01	3208	598.9 -> 99.0	59.6	40.4	74.9



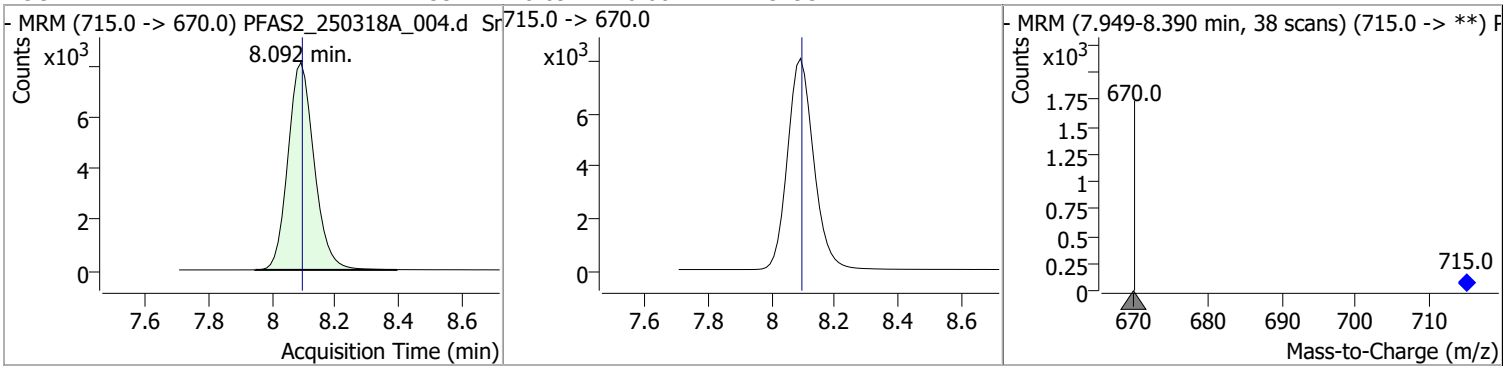
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.5244	7.72	-0.01	16381	663.0 -> 169.0	13.3	7.2	13.4



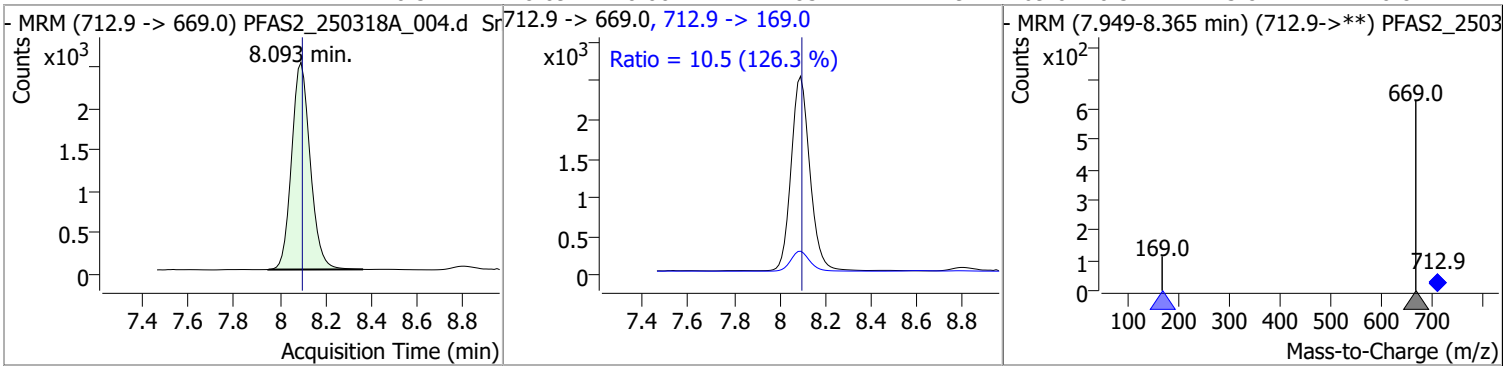
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.9123	7.79	-0.01	22023	632.9 -> 452.9	35.3	23.0	42.7



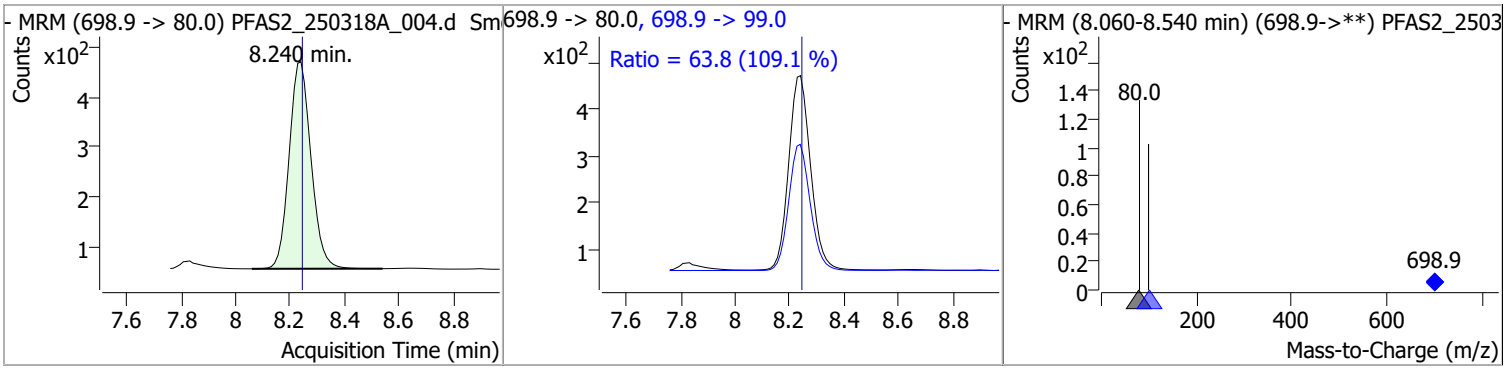
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1557	8.09	0.00	45795				



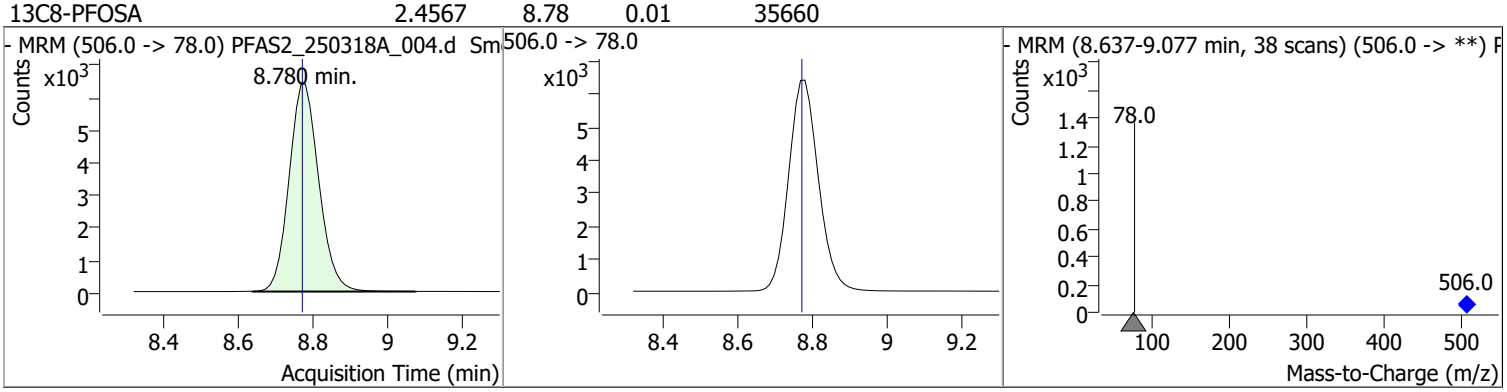
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5117	8.09	0.00	14185	712.9 -> 169.0	10.5	5.8	10.8



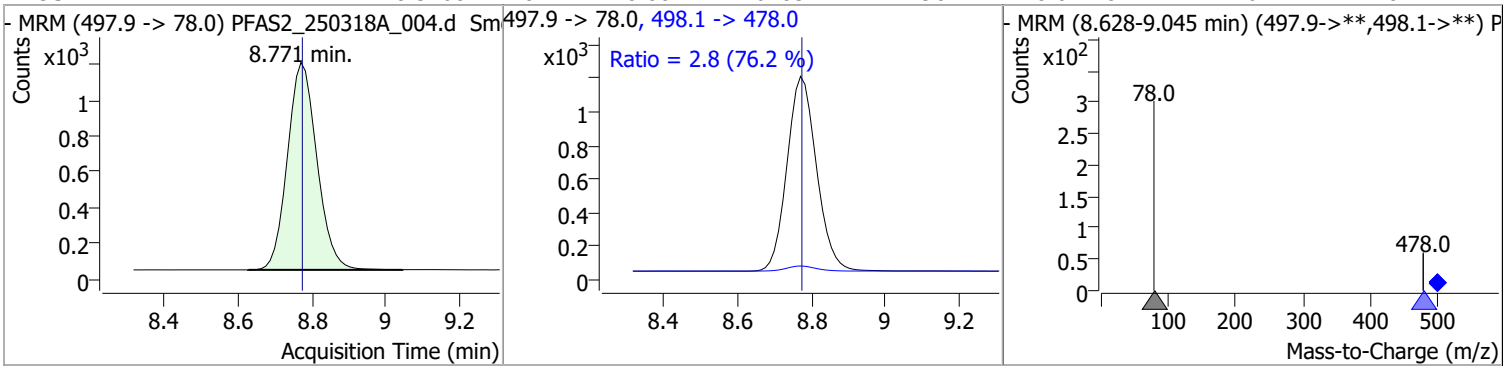
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.5038	8.24	0.00	2324	698.9 -> 99.0	63.8	41.0	76.1



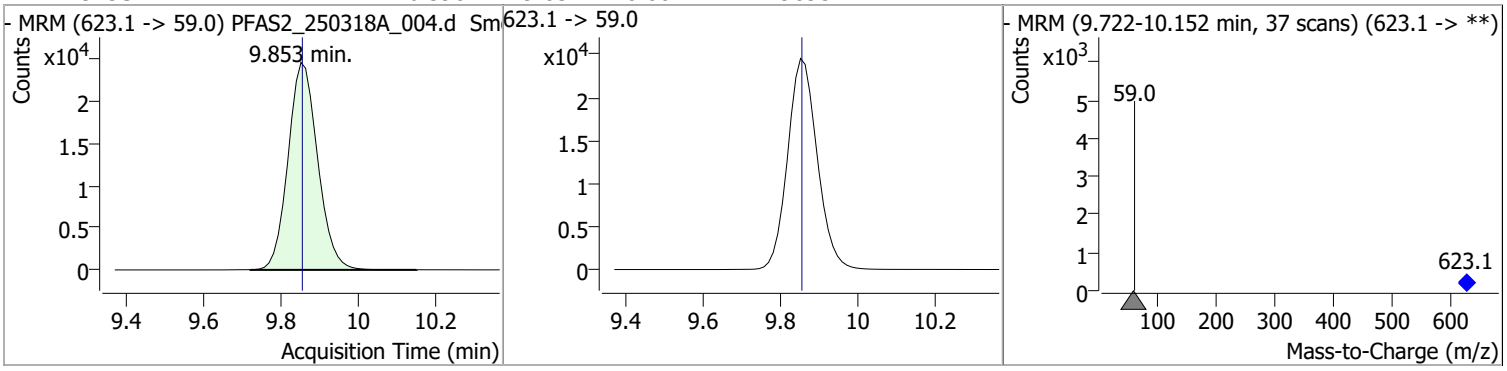
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4567	8.78	0.01	35660				



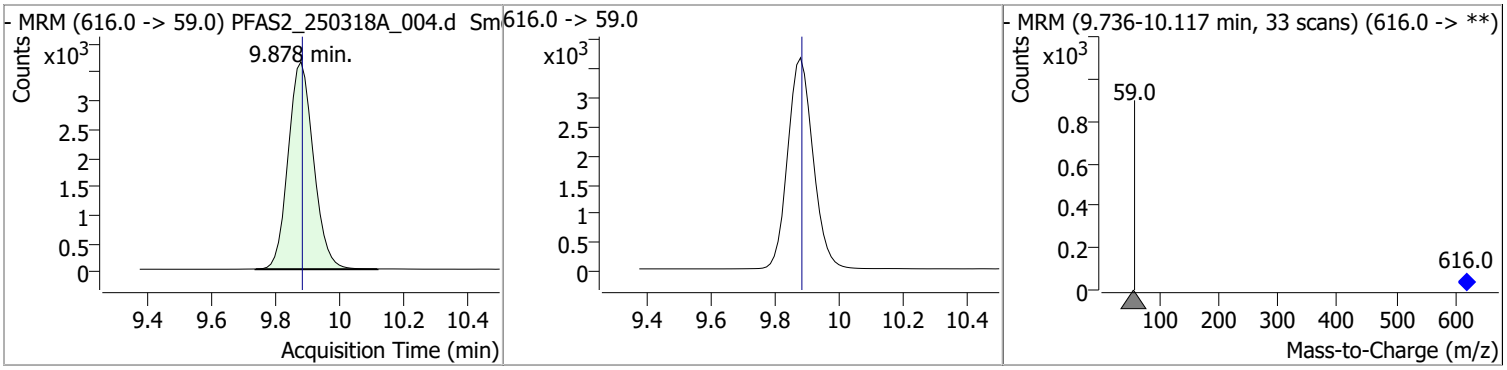
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.5168	8.77	0.00	6405	498.1 -> 478.0	2.8	2.6	4.8



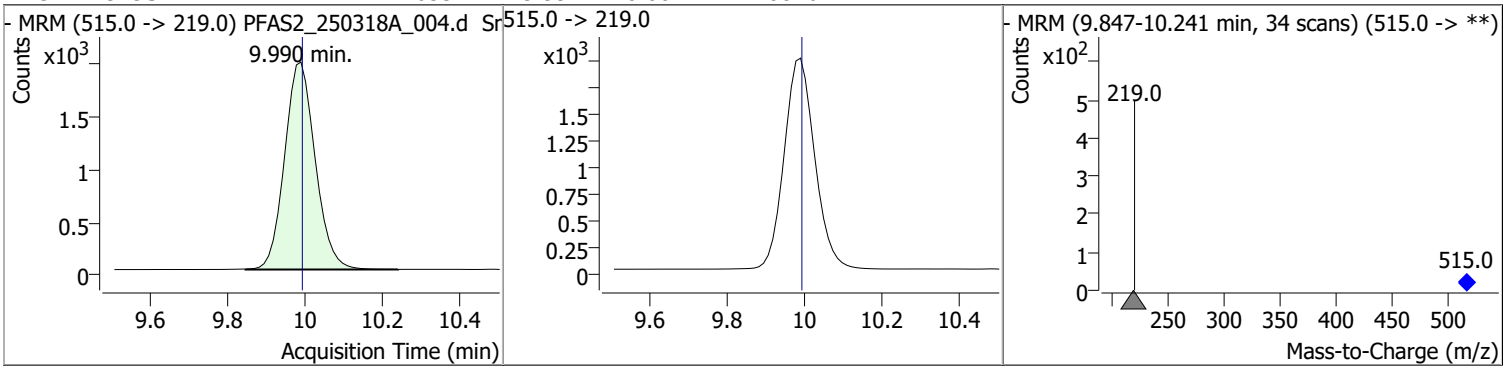
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	26.3982	9.85	0.00	129893				



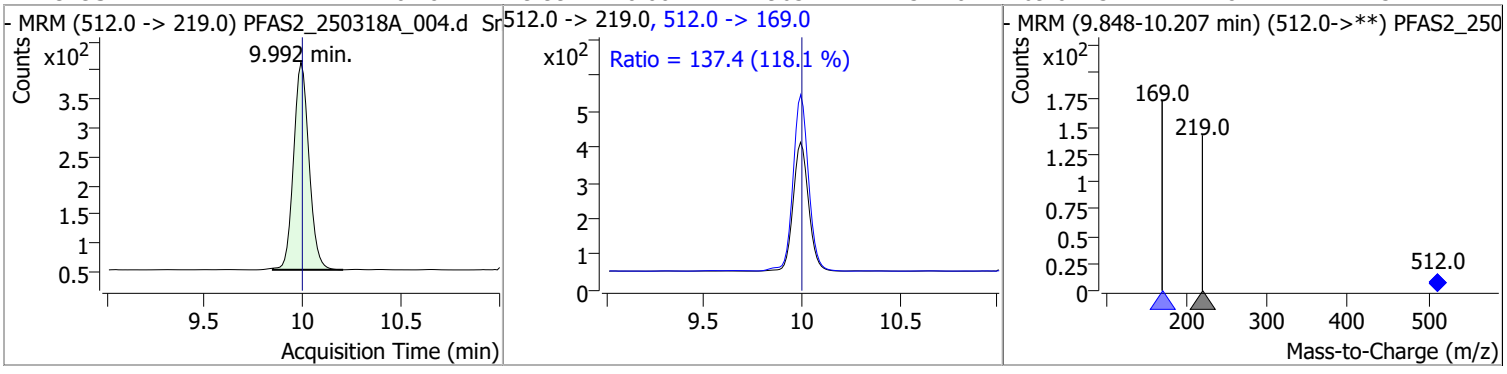
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	5.0521	9.88	0.00	19933				



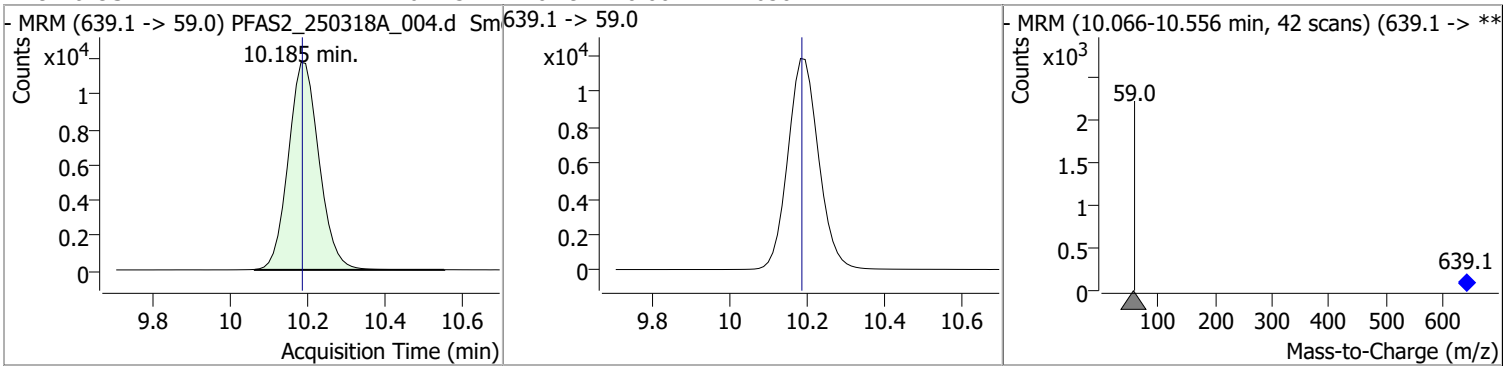
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6551	9.99	0.00	10816				



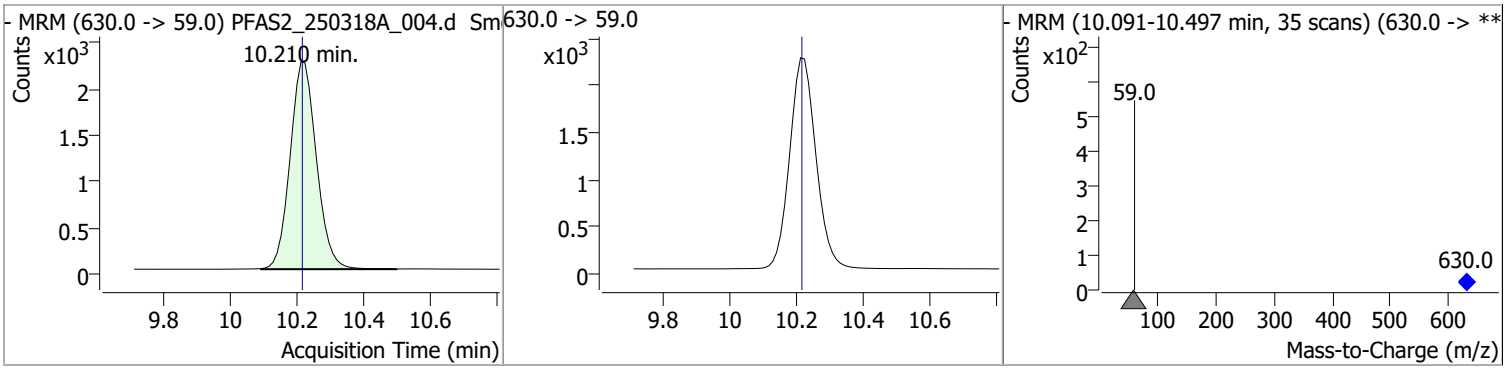
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.4827	9.99	0.00	1963	512.0 -> 169.0	137.4	81.4	151.2



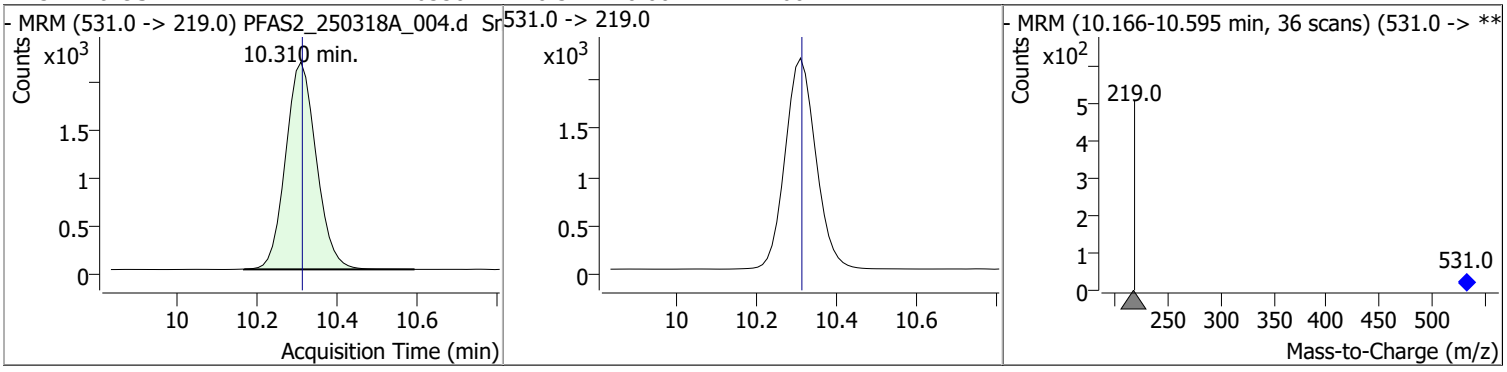
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.1234	10.19	0.00	65047				



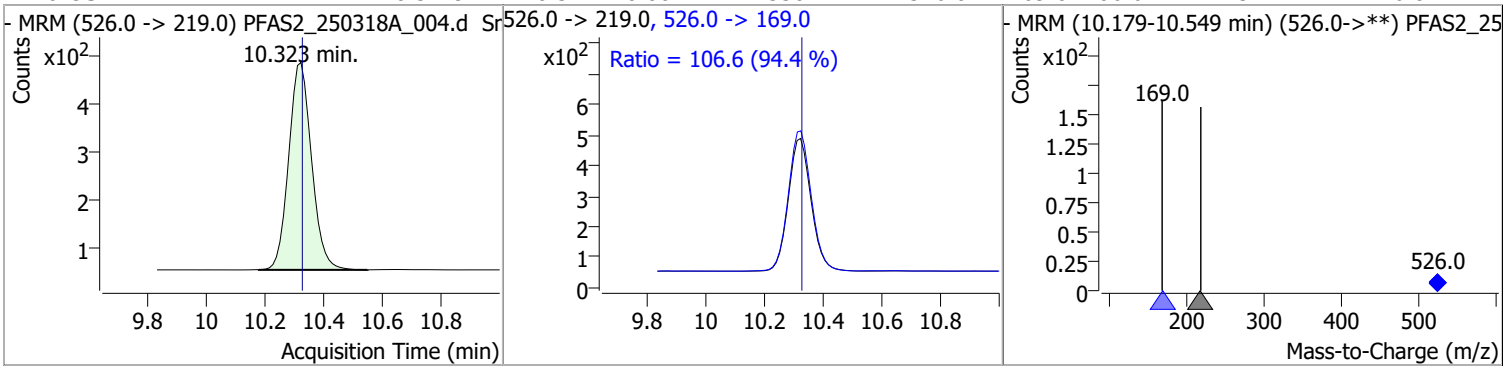
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.2943	10.21	0.00	12341				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.6350	10.31	0.00	11607				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.5249	10.32	0.00	2350	526.0 -> 169.0	106.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_005.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 4:51:42 PM
Sample Name	SEQ-CAL3	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

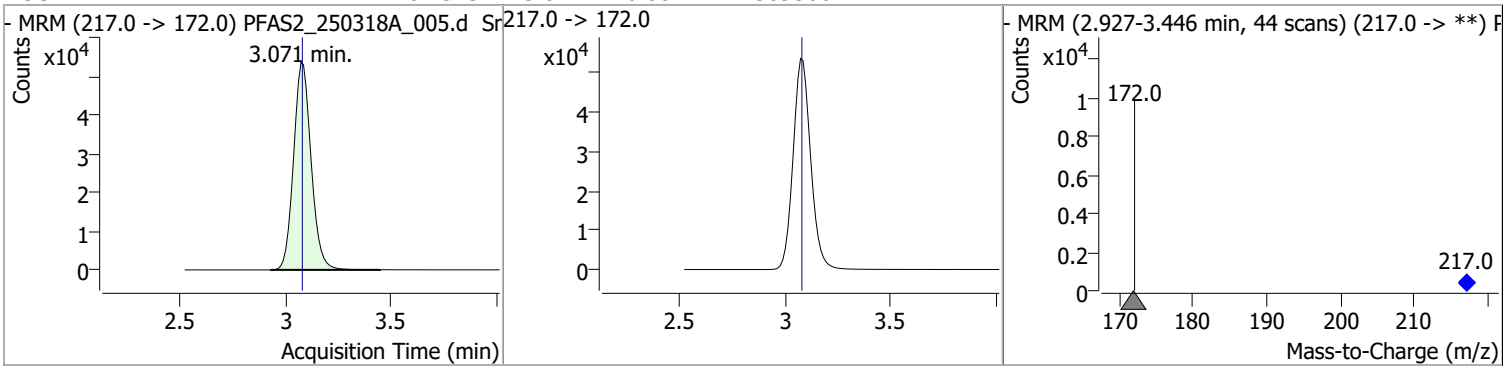
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	133068	5.0000	µg/L		-2.758
13C2-PFHxA	4.890	315.0 -> 270.0	154448	2.5000	µg/L		0.667
18O2-PFHxS	5.955	403.0 -> 84.0	29828	2.5000	µg/L		0.667
13C4-PFOA	5.823	417.0 -> 172.0	15304	2.5000	µg/L		-0.933
13C5-PFNA	6.226	468.0 -> 423.0	72731	1.2500	µg/L		2.190
13C2-PFDA	6.615	515.0 -> 470.0	63465	1.2500	µg/L		-5.100
13C4-PFOS	6.771	503.0 -> 80.0	23910	2.5000	µg/L		-4.011
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	309386	10.0000	µg/L		-0.465
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.31%			
13C5-PFPeA	4.222	268.0 -> 223.0	216034	5.0000	µg/L		4.405
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.72%			
13C5-PFPeA	4.222	268.0 -> 223.0	216034	5.0000	µg/L		4.405
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.72%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29118	5.0000	µg/L	#	15.253
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 114.95%			
13C5-PFHxA	4.889	318.0 -> 273.0	167323	2.5000	µg/L		-0.901
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.42%			
13C5-PFHxA	4.889	318.0 -> 273.0	167323	2.5000	µg/L		-0.901
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.42%			
13C3-PFBS	4.929	302.0 -> 80.0	62255	2.5000	µg/L		2.522
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.95%			
13C3-PFBS	4.929	302.0 -> 80.0	62255	2.5000	µg/L		2.522
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.95%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	179536	10.0000	µg/L		2.727
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.04%			
13C4-PFHpA	5.397	367.0 -> 322.0	185186	2.5000	µg/L		-1.959
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.42%			
13C3-PFHxS	5.956	402.0 -> 80.0	34222	2.5000	µg/L		-2.078
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.30%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15920	5.0000	µg/L	#	7.797
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.20%			
13C8-PFOA	5.823	421.0 -> 376.0	178431	2.5000	µg/L		3.295
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.29%			
13C3-PFHxS	5.956	402.0 -> 80.0	34222	2.5000	µg/L		-2.078
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.30%			
13C9-PFNA	6.225	472.0 -> 427.0	73699	1.2500	µg/L		4.591
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.30%			
13C8-PFOS	6.771	507.0 -> 80.0	24853	2.5000	µg/L		-1.703
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	12197	5.0000	µg/L	#	2.970
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.16%			
13C6-PFDA	6.615	519.0 -> 474.0	71569	1.2500	µg/L		5.310
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 110.86%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	52046	5.0000	µg/L		-6.759

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.03%			
13C8-PFOS	6.771	507.0 -> 80.0	24853	2.5000	µg/L		-1.703
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	39454	5.0000	µg/L		-6.439
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.42%			
13C7-PFUnDA	6.990	570.0 -> 525.0	55244	1.2500	µg/L		3.062
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 108.59%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	43867	1.2500	µg/L		-0.563
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.61%			
13C2-PFDoDA	7.367	615.0 -> 570.0	37891	1.2500	µg/L		-5.143
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.96%			
13C2-PFTDA	8.092	715.0 -> 670.0	49843	1.2500	µg/L		3.227
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 108.44%			
13C8-PFOSA	8.780	506.0 -> 78.0	36388	2.5000	µg/L		-1.550
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.36%			
2H7-MeFOSE	9.853	623.1 -> 59.0	138053	25.0000	µg/L		9.877
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 114.56%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	8416	2.5000	µg/L		-18.834
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 84.36%			
2H9-EtFOSE	10.185	639.1 -> 59.0	63828	25.0000	µg/L		0.501
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 104.66%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10691	2.5000	µg/L		-4.889
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.10%			
Target Compounds							QValue
PFBA	3.079	213.0 -> 169.0	102401	3.8508	µg/L		100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 96.27%			
PFMPA	3.614	229.0 -> 85.0	38102	1.8806	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 94.03%			
3-3 FTCA	3.790	241.0 -> 177.0	2998	4.1329	µg/L		88
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.32%			
PFPeA	4.223	263.0 -> 219.0	75711	1.9157	µg/L	#	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 95.79%			
PFMBA	4.453	279.0 -> 85.0	57543	1.9280	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.40%			
4-2 FTSA	4.698	327.0 -> 307.0	63869	3.6090	µg/L		97
Spiked Amount: 3.750	Range: 70 - 130%			Recovery = 96.24%			
NFDHA	4.823	295.0 -> 201.0	2859	2.3237	µg/L		99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 116.18%			
PFHxA	4.892	313.0 -> 269.0	59708	0.9972	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.72%			
PFBS	4.930	298.9 -> 80.0	22621	0.8757	µg/L		91
Spiked Amount: 0.887	Range: 70 - 130%			Recovery = 98.72%			
HFPO-DA	5.075	285.0 -> 169.0	32489	2.0397	µg/L		86
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 101.98%			
PFEESA	5.201	314.9 -> 135.0	130924	1.5831	µg/L		99
Spiked Amount: 1.780	Range: 70 - 130%			Recovery = 88.94%			
PFHpA	5.398	363.0 -> 319.0	70081	0.9988	µg/L		94
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.88%			
5-3 FTCA	5.458	341.0 -> 237.0	94176	20.4669	µg/L		92
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.33%			
PFPeS	5.494	348.9 -> 80.0	17428	0.9431	µg/L		87
Spiked Amount: 0.941	Range: 70 - 130%			Recovery = 100.23%			
DONA	5.551	377.0 -> 251.0	181315	1.7743	µg/L		98
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 93.88%			

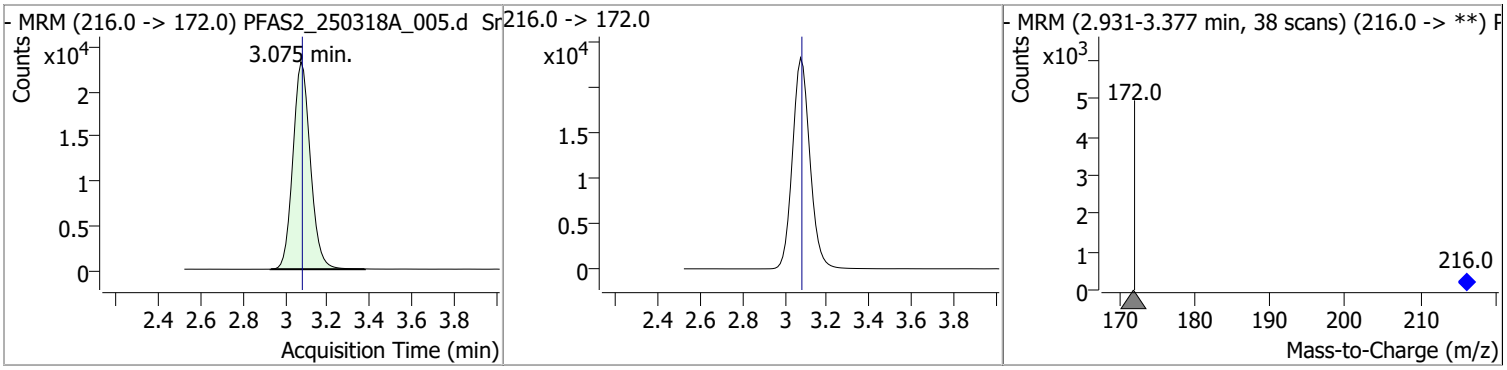
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	39289	3.6002	µg/L		88
Spiked Amount: 3.800	Range: 70 - 130%			Recovery = 94.74%			
PFOA	5.824	413.0 -> 369.0	64060	0.9413	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 94.13%			
PFHxS	5.957	398.9 -> 80.0	13190	0.9909	µg/L		98
Spiked Amount: 0.914	Range: 70 - 130%			Recovery = 108.41%			
PFNA	6.226	463.0 -> 419.0	55871	0.9777	µg/L		98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.77%			
PFHpS	6.370	448.9 -> 80.0	9610	0.9296	µg/L		85
Spiked Amount: 0.953	Range: 70 - 130%			Recovery = 97.55%			
8-2 FTSA	6.424	527.0 -> 507.0	18310	3.3693	µg/L	#	59
Spiked Amount: 3.840	Range: 70 - 130%			Recovery = 87.74%			
7-3 FTCA	6.597	441.0 -> 317.0	64690	18.6331	µg/L		87
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 93.17%			
PFDA	6.615	513.0 -> 469.0	48729	0.9270	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 92.70%			
N-MeFOSAA	6.742	570.0 -> 419.0	9106	0.9964	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 99.64%			
PFOS	6.772	498.9 -> 80.0	8728	0.9026	µg/L		97
Spiked Amount: 0.928	Range: 70 - 130%			Recovery = 97.26%			
N-EtFOSAA	6.953	584.0 -> 419.0	7383	1.0000	µg/L		90
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 100.00%			
PFUnDA	6.991	563.0 -> 519.0	37280	0.9192	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 91.92%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	91155	1.6679	µg/L		91
Spiked Amount: 1.870	Range: 70 - 130%			Recovery = 89.19%			
PFNS	7.159	548.9 -> 80.0	8099	0.9553	µg/L		93
Spiked Amount: 0.962	Range: 70 - 130%			Recovery = 99.30%			
PFDoDA	7.368	613.0 -> 569.0	28115	1.0121	µg/L		97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.21%			
PFDS	7.525	598.9 -> 80.0	6453	1.0187	µg/L		100
Spiked Amount: 0.965	Range: 70 - 130%			Recovery = 105.56%			
PFTrDA	7.724	663.0 -> 619.0	31318	0.9475	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 94.75%			
11Cl-PF3OUdS	7.787	630.9 -> 450.9	43321	1.8217	µg/L		95
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 96.38%			
PFTDA	8.093	712.9 -> 669.0	28100	0.9266	µg/L		98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 92.66%			
PFDoS	8.240	698.9 -> 80.0	4382	0.9893	µg/L		96
Spiked Amount: 0.970	Range: 70 - 130%			Recovery = 101.99%			
PFOSA	8.771	497.9 -> 78.0	12243	0.9681	µg/L	#	97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 96.81%			
MeFOSE	9.878	616.0 -> 59.0	39982	9.5789	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.79%			
N-MeFOSA	9.992	512.0 -> 219.0	3182	1.0052	µg/L		87
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 100.52%			
EtFOSE	10.210	630.0 -> 59.0	22448	9.8118	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.12%			
N-EtFOSA	10.323	526.0 -> 219.0	4274	1.0364	µg/L		99
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 103.64%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

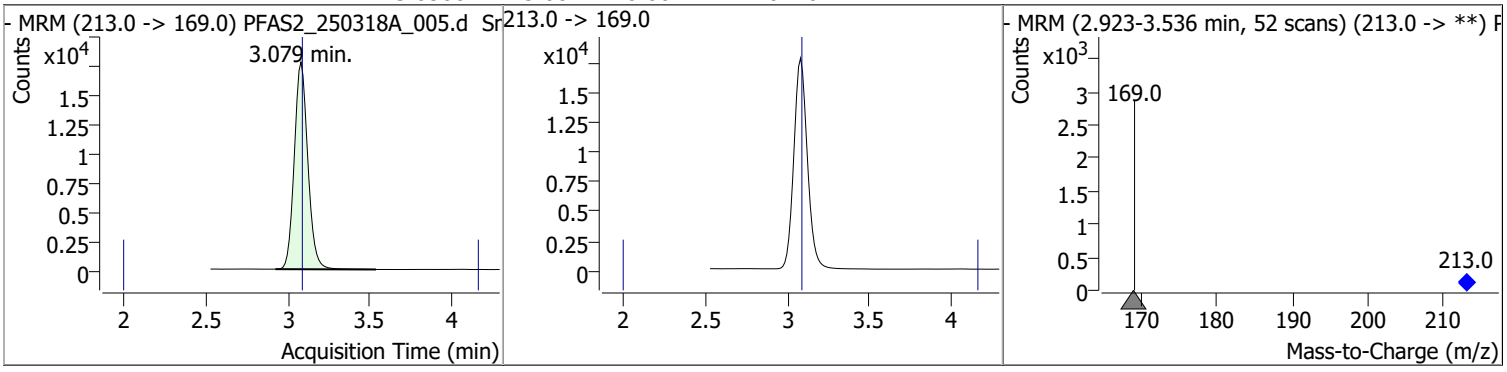
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.2313	3.07	0.00	309386				



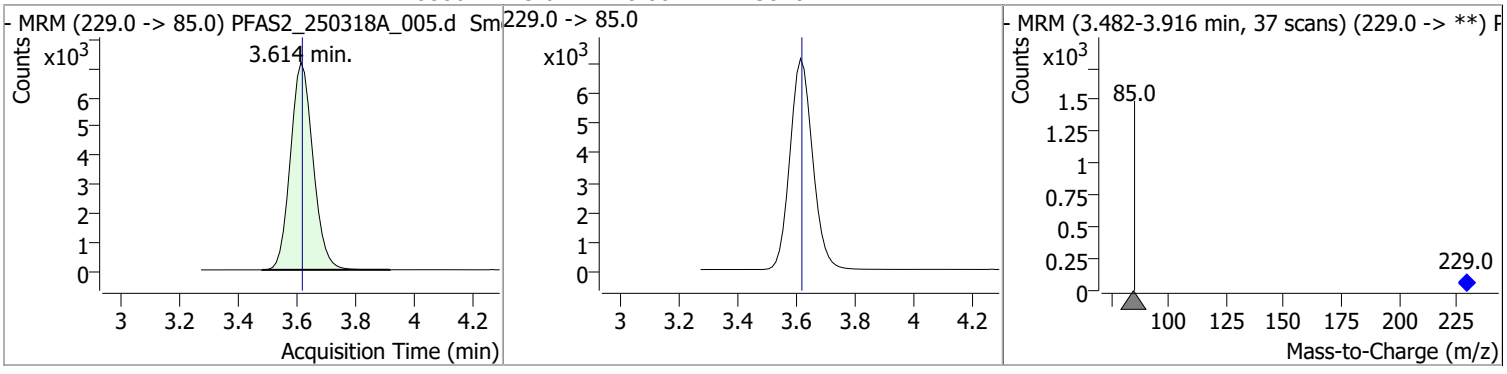
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	133068				



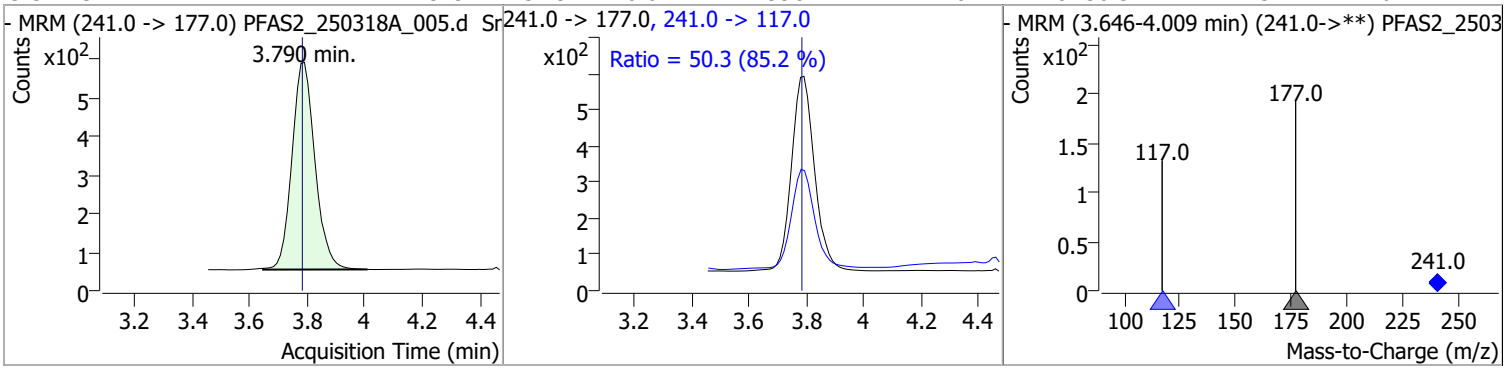
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	3.8508	3.08	0.00	102401				



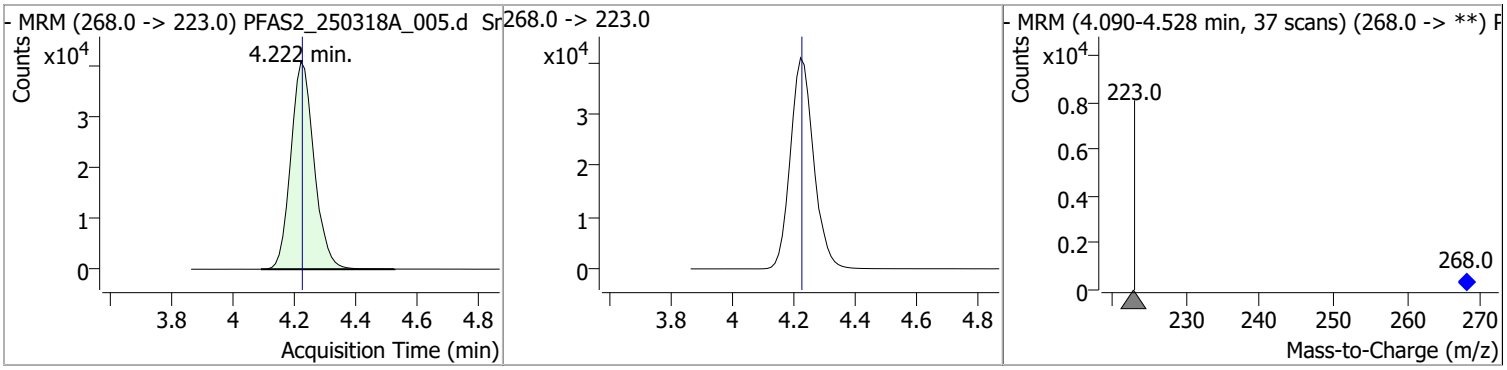
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	1.8806	3.61	0.00	38102				



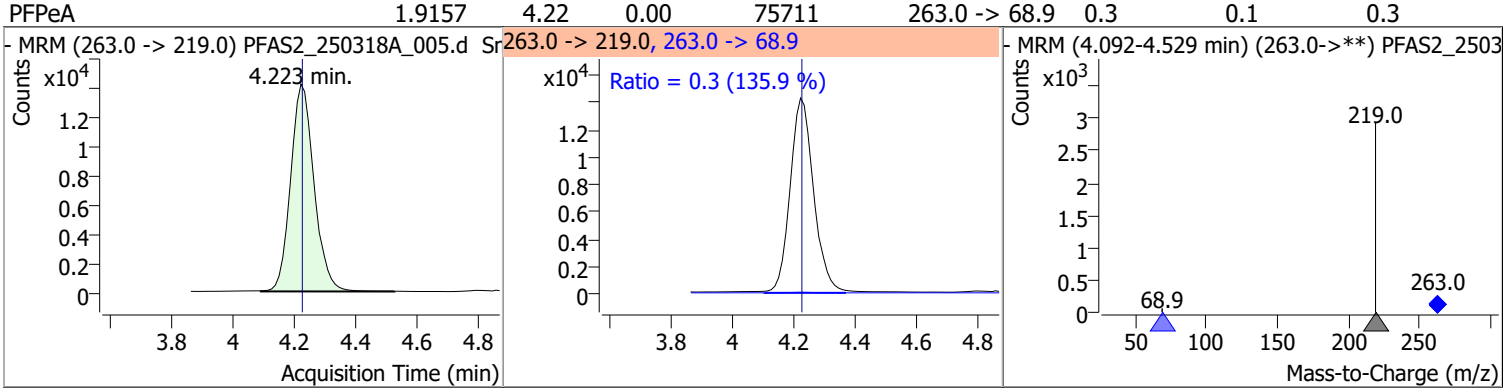
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	4.1329	3.79	0.01	2998	241.0 -> 117.0	50.3	41.3	76.7



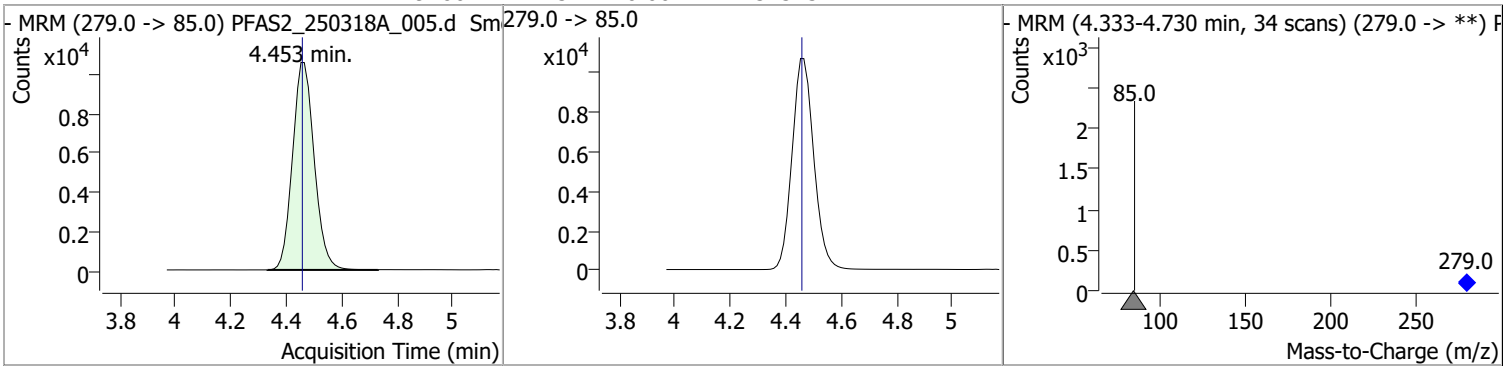
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1860	4.22	0.00	216034				



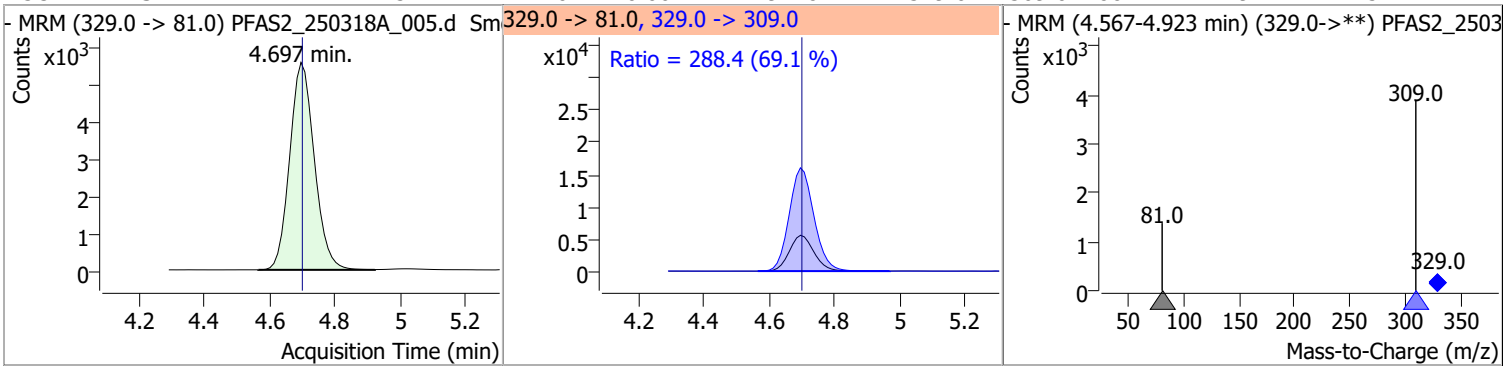
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.9157	4.22	0.00	75711	263.0 -> 68.9	0.3	0.1	0.3



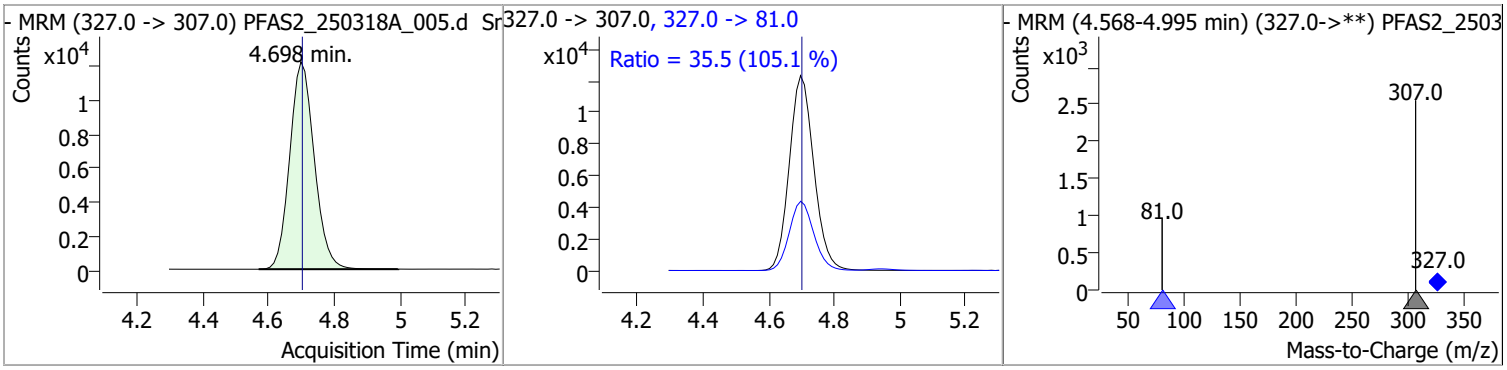
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.9280	4.45	0.00	57543				



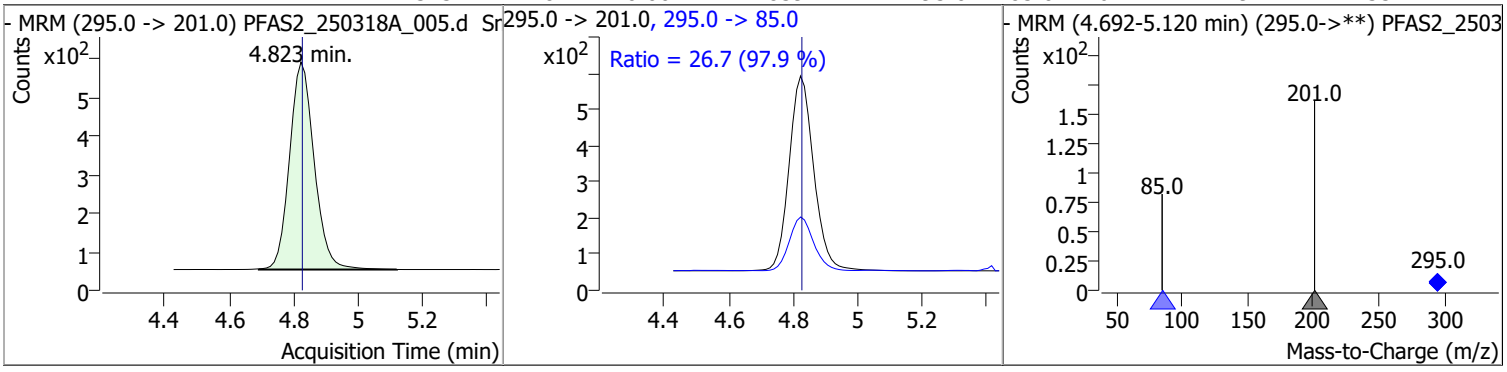
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7477	4.70	0.00	29118	329.0 -> 309.0	288.4	292.1	542.4



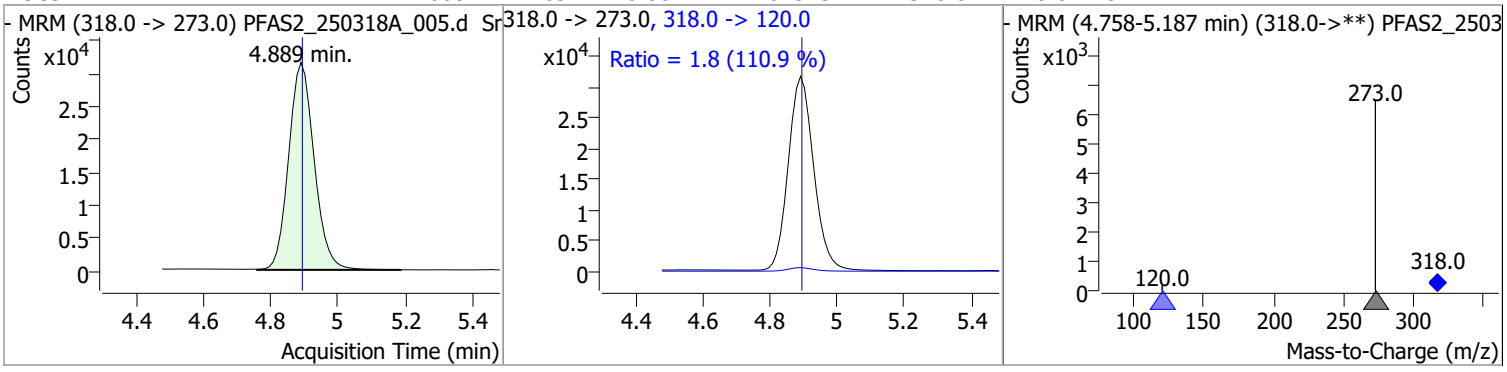
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	3.6090	4.70	0.00	63869	327.0 -> 81.0	35.5	23.6	43.9



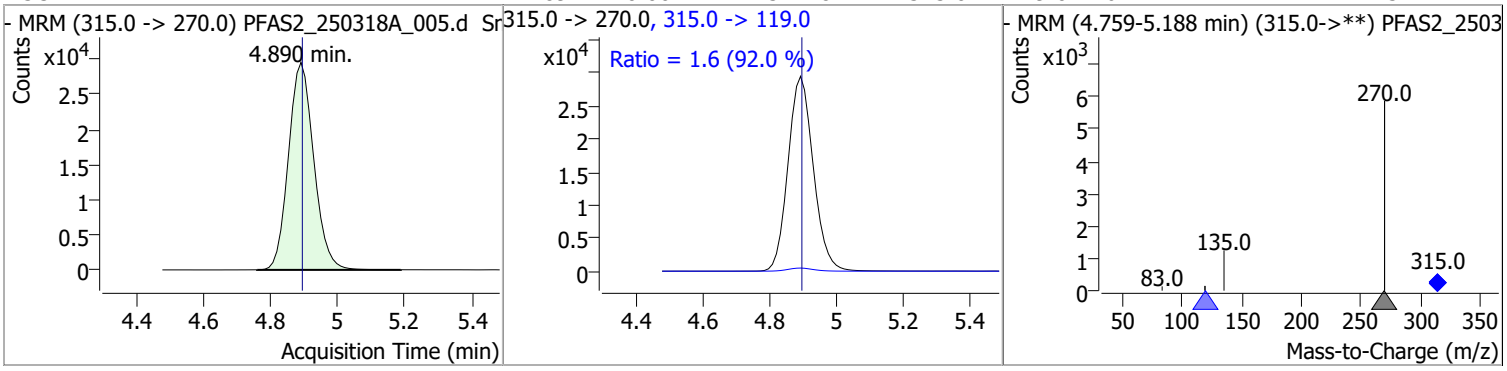
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	2.3237	4.82	0.00	2859	295.0 -> 85.0	26.7	19.1	35.4



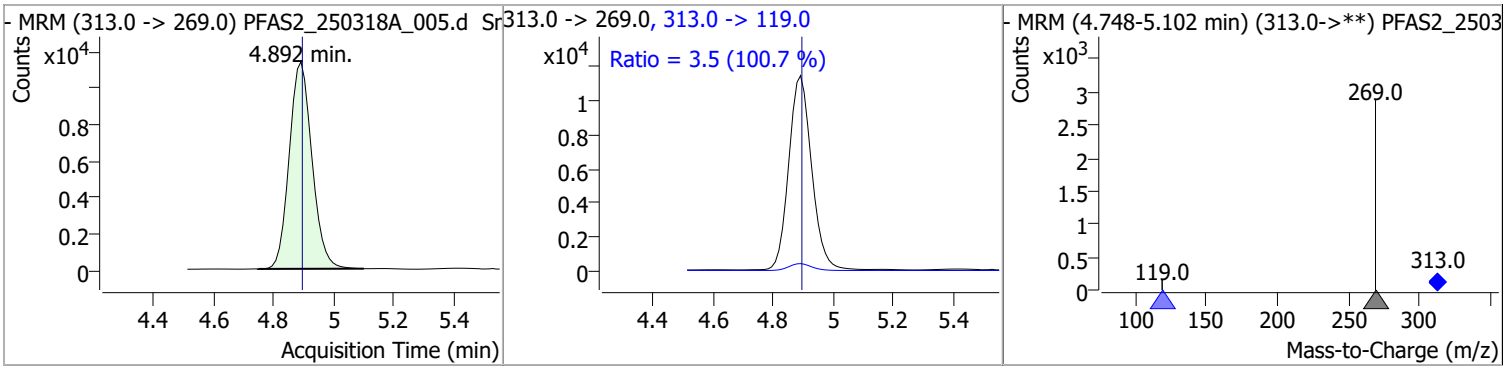
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4605	4.89	0.00	167323	318.0 -> 120.0	1.8	1.1	2.1



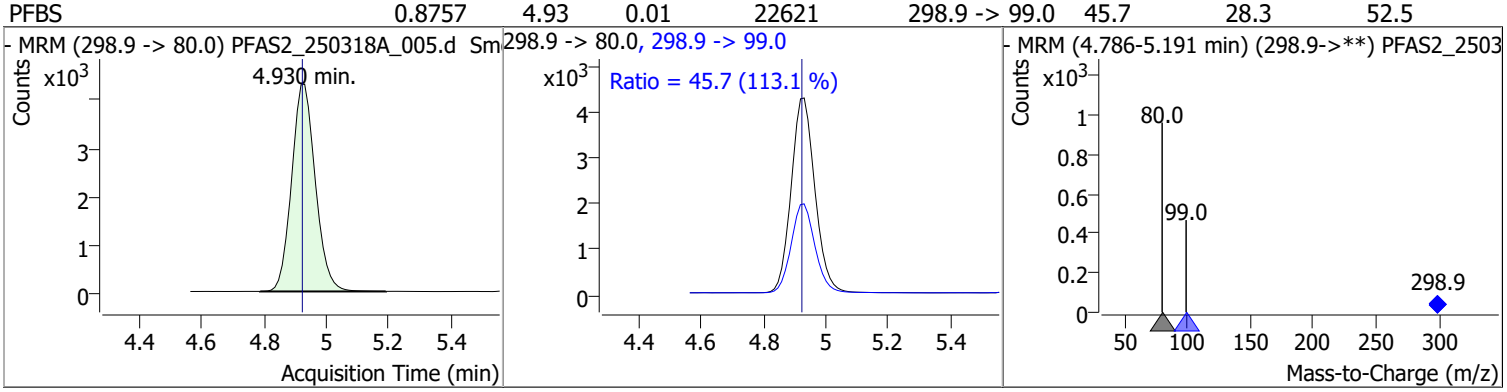
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	154448	315.0 -> 119.0	1.6	1.2	2.3



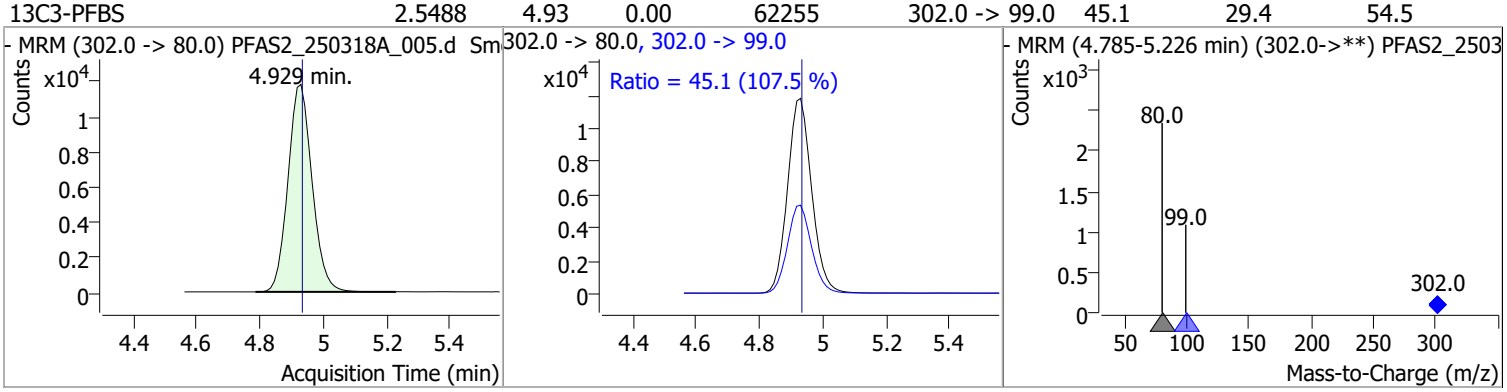
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.9972	4.89	0.00	59708	313.0 -> 119.0	3.5	2.4	4.5



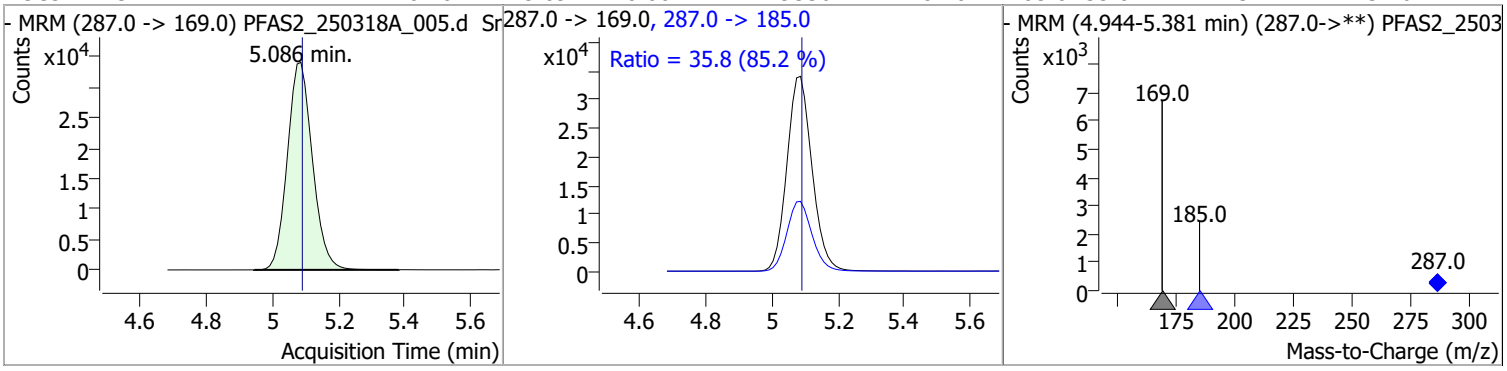
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.8757	4.93	0.01	22621	298.9 -> 99.0	45.7	28.3	52.5



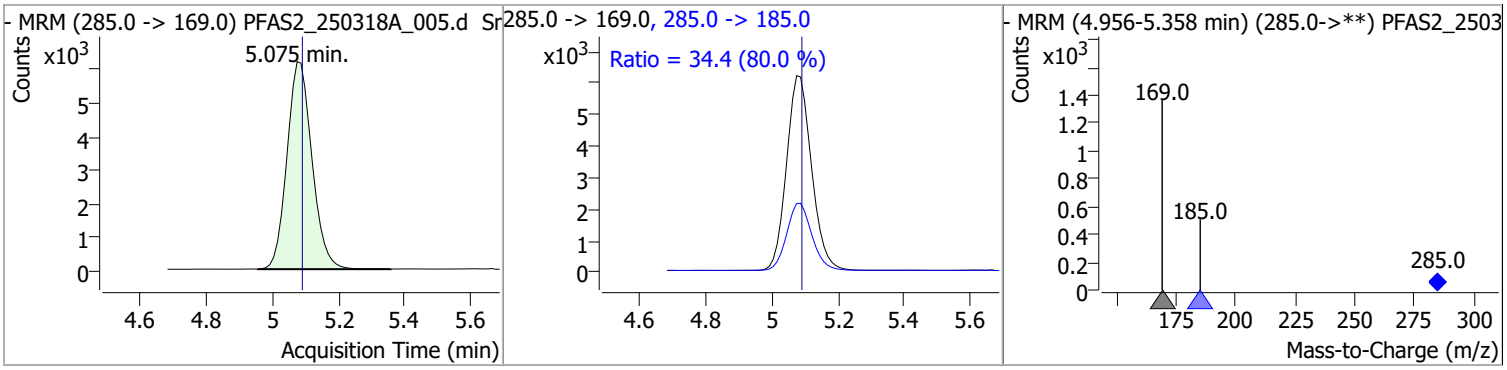
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5488	4.93	0.00	62255	302.0 -> 99.0	45.1	29.4	54.5



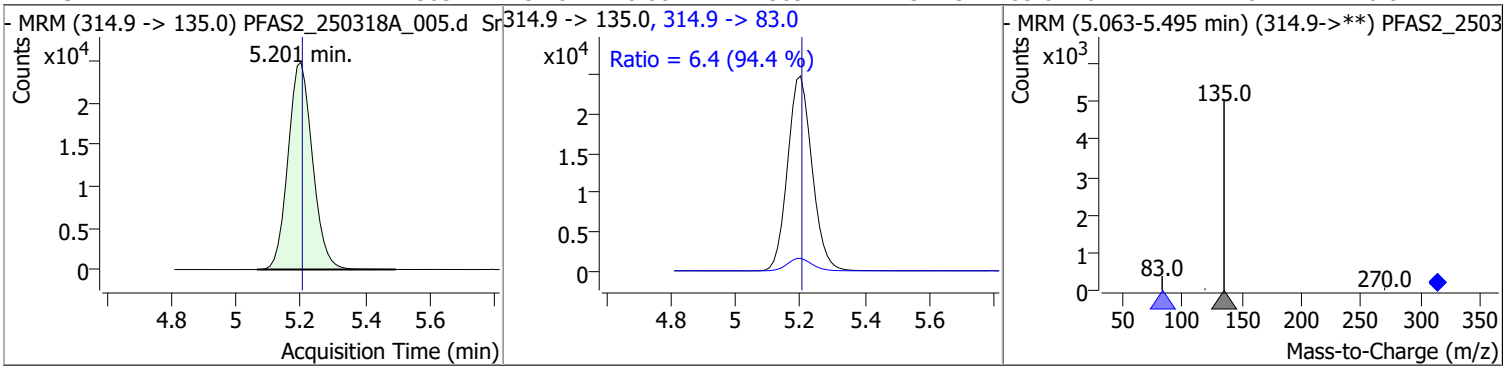
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2042	5.09	0.00	179536	287.0 -> 185.0	35.8	29.4	54.6



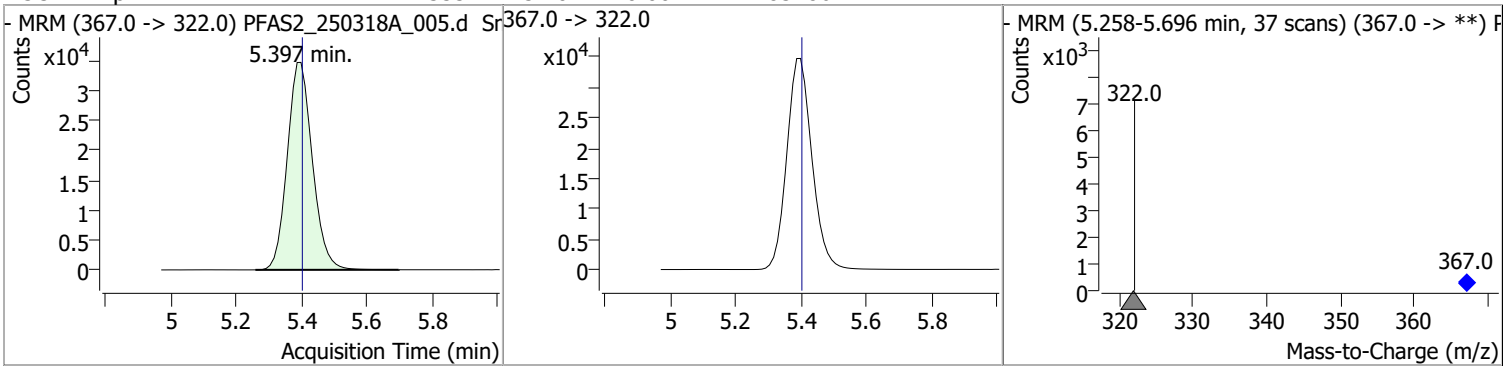
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	2.0397	5.07	-0.01	32489	285.0 -> 185.0	34.4	30.1	56.0



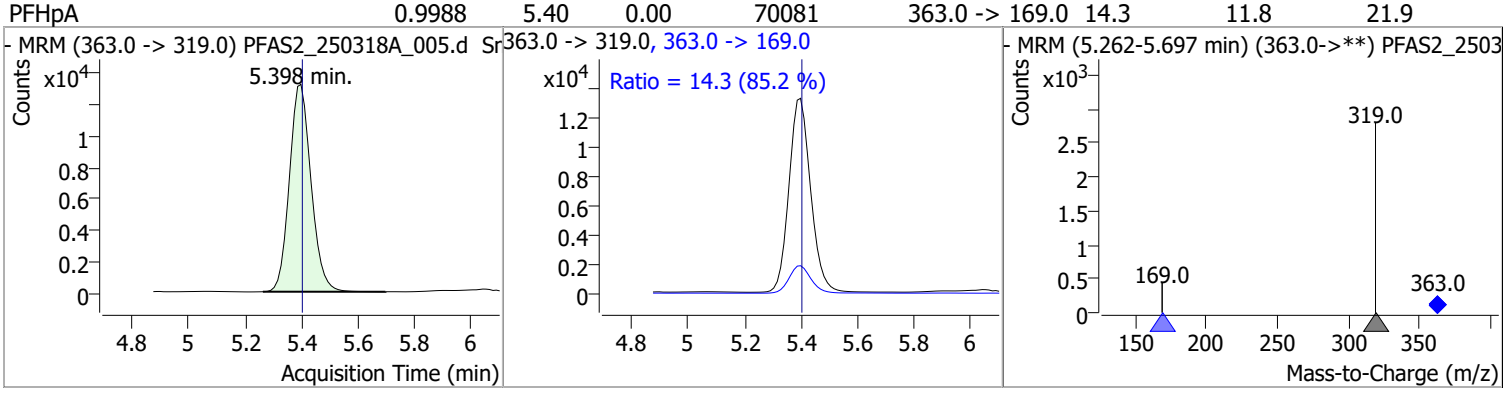
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	1.5831	5.20	0.00	130924	314.9 -> 83.0	6.4	4.8	8.8



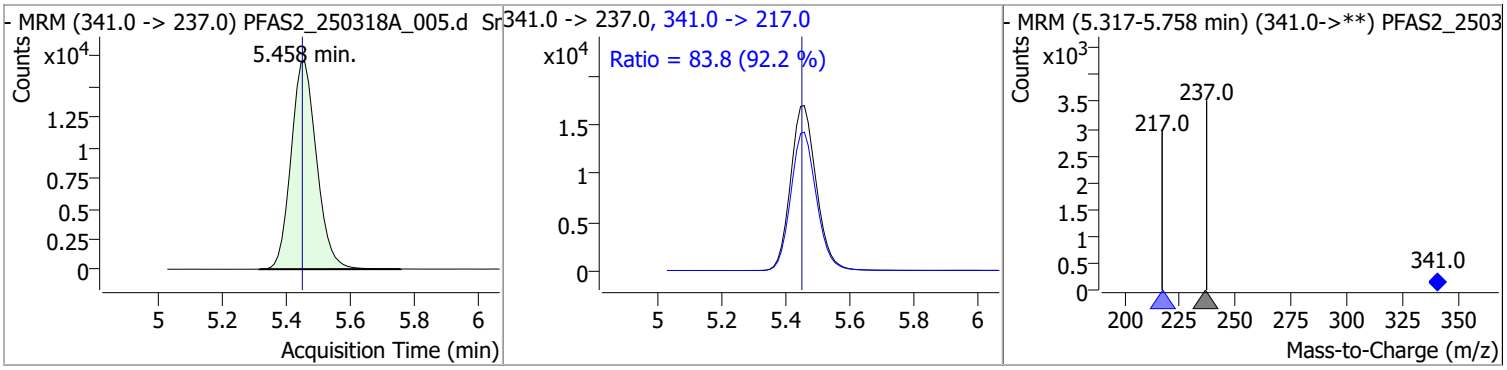
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4355	5.40	0.00	185186				



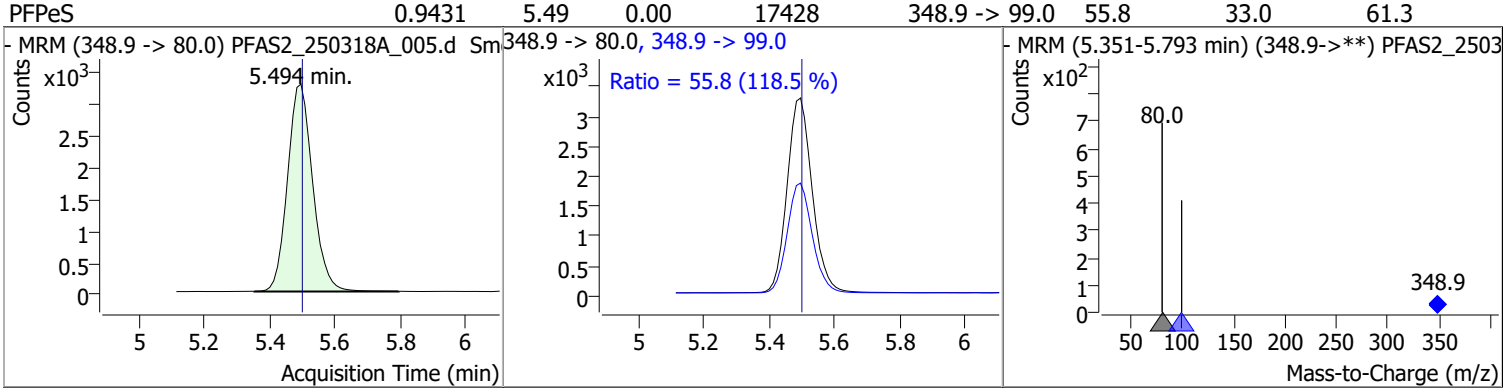
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.9988	5.40	0.00	70081	363.0 -> 169.0	14.3	11.8	21.9



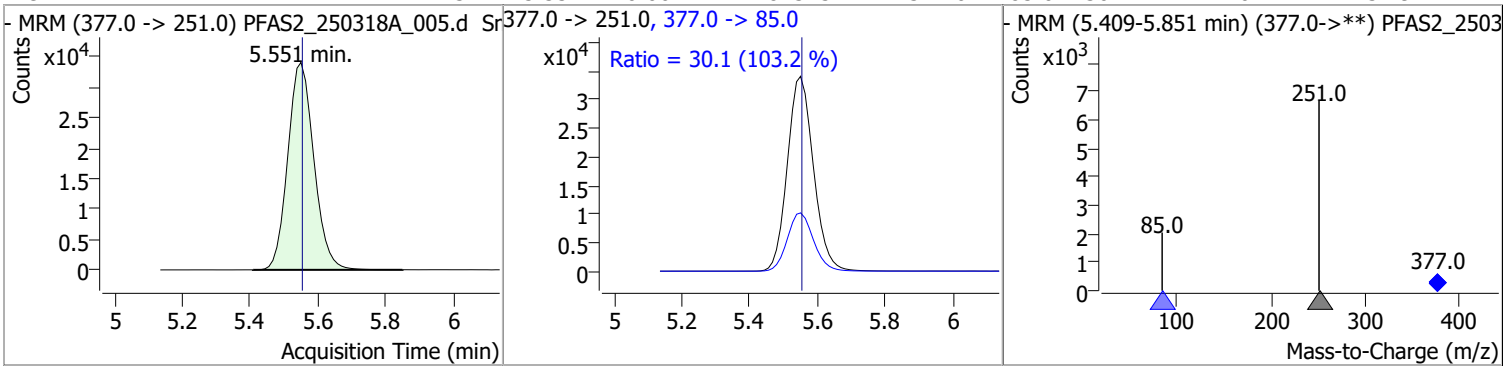
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	20.4669	5.46	0.01	94176	341.0 -> 217.0	83.8	63.6	118.1



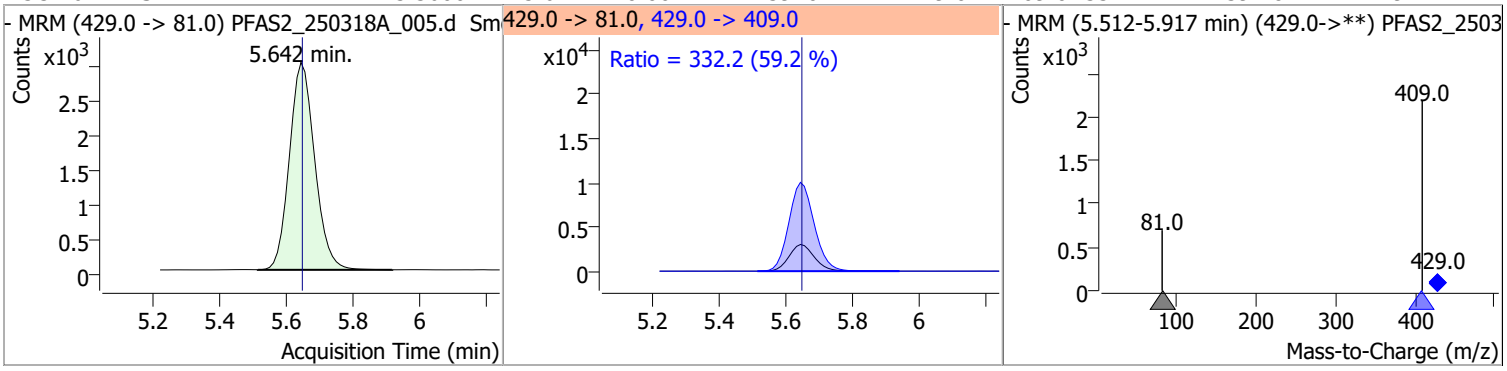
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.9431	5.49	0.00	17428	348.9 -> 99.0	55.8	33.0	61.3



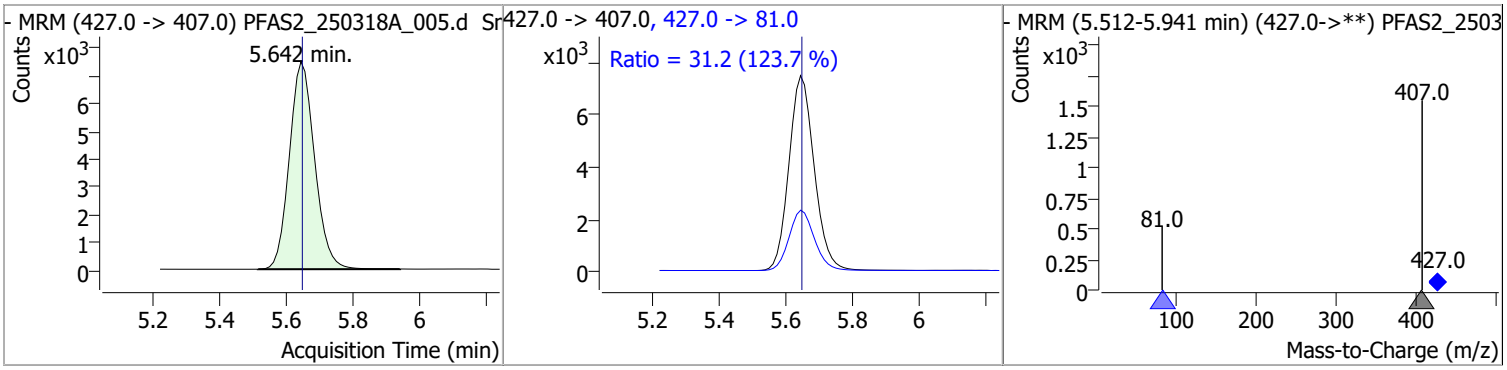
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	1.7743	5.55	0.00	181315	377.0 -> 85.0	30.1	20.4	37.9



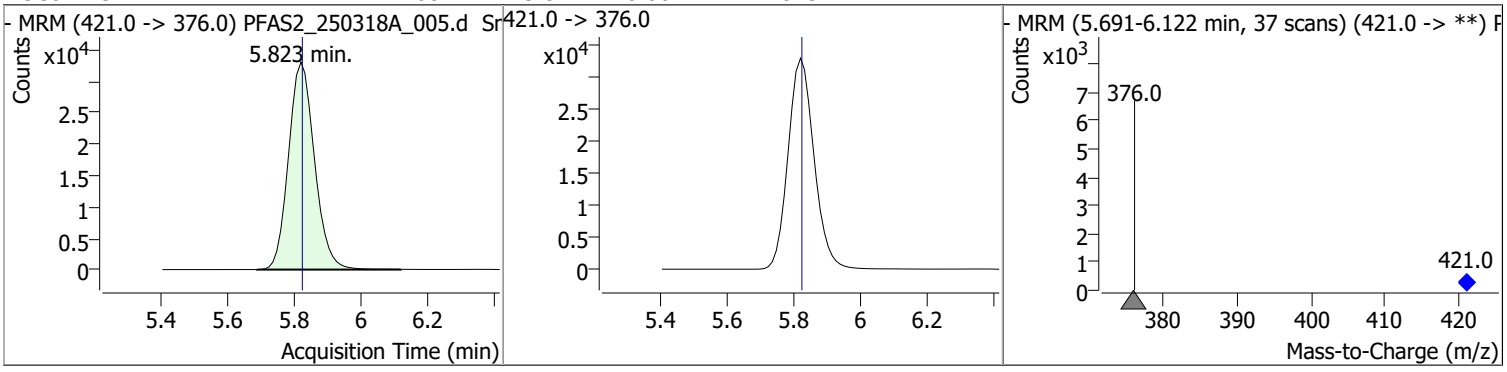
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3600	5.64	0.00	15920	429.0 -> 409.0	332.2	392.8	729.4



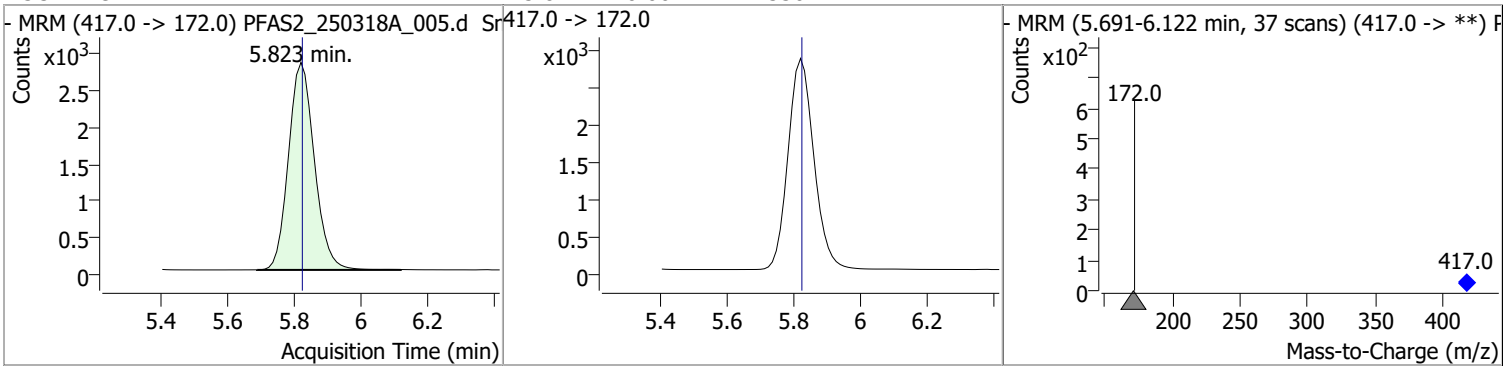
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	3.6002	5.64	0.00	39289	427.0 -> 81.0	31.2	17.7	32.8



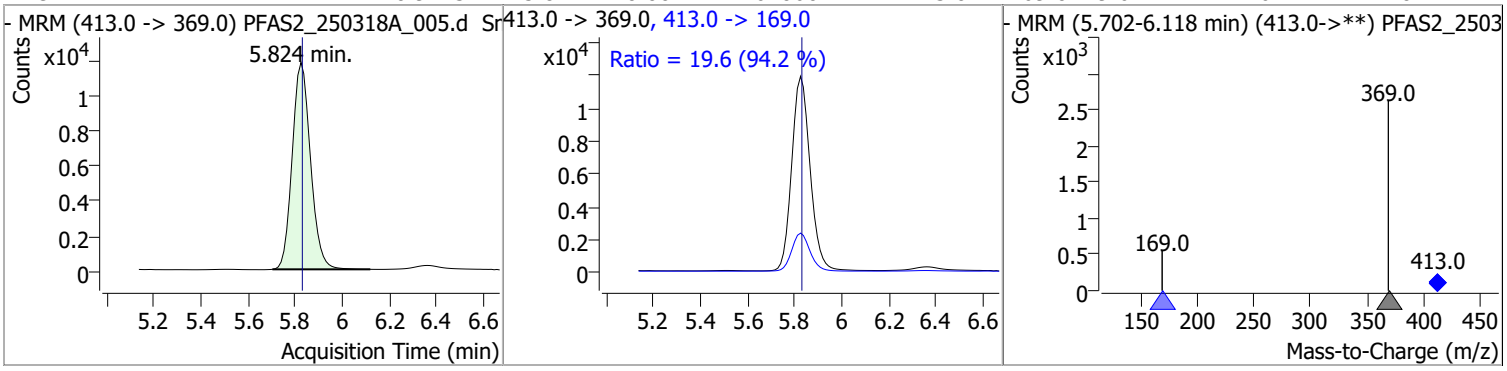
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6072	5.82	0.00	178431				



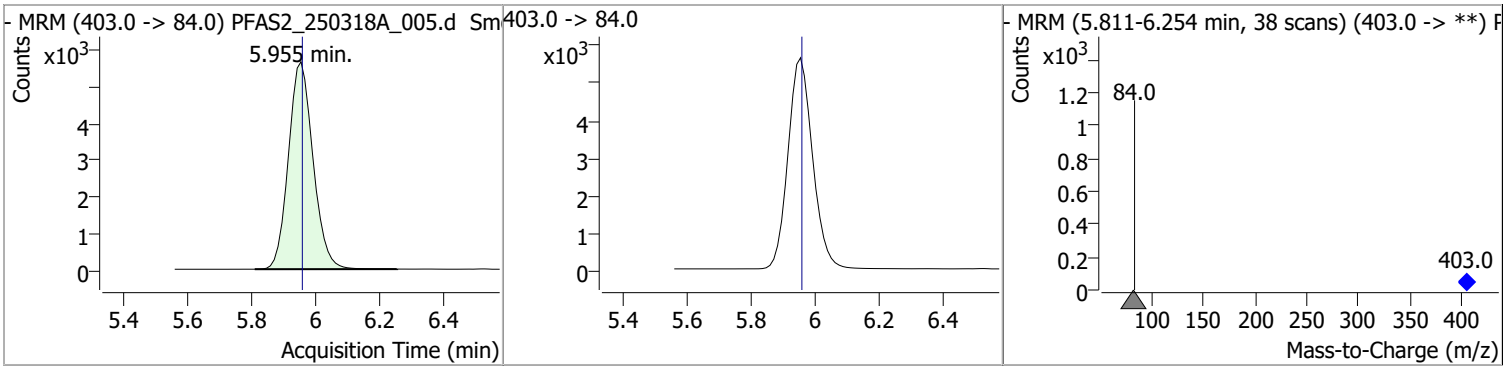
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15304				



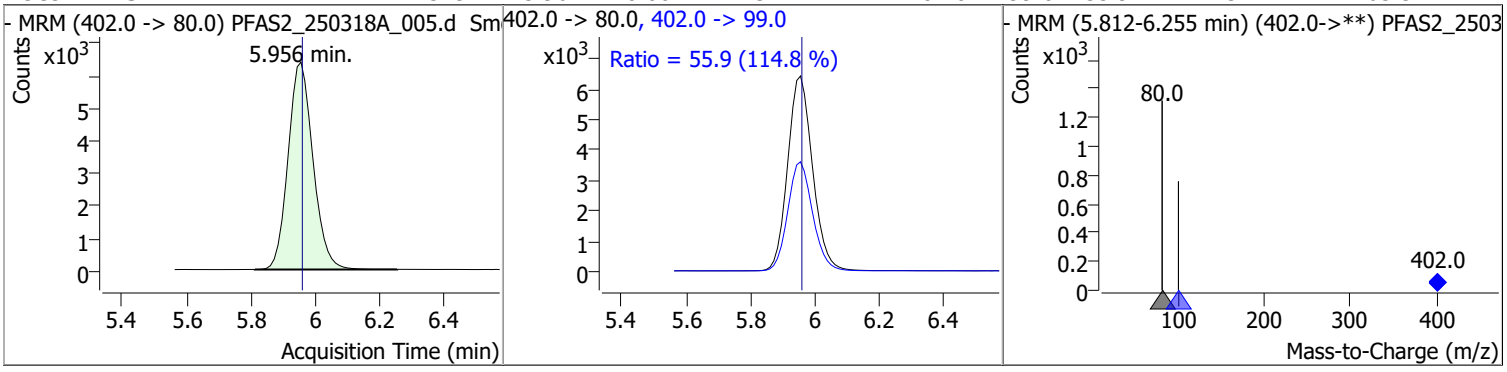
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.9413	5.82	0.00	64060	413.0 -> 169.0	19.6	14.6	27.0



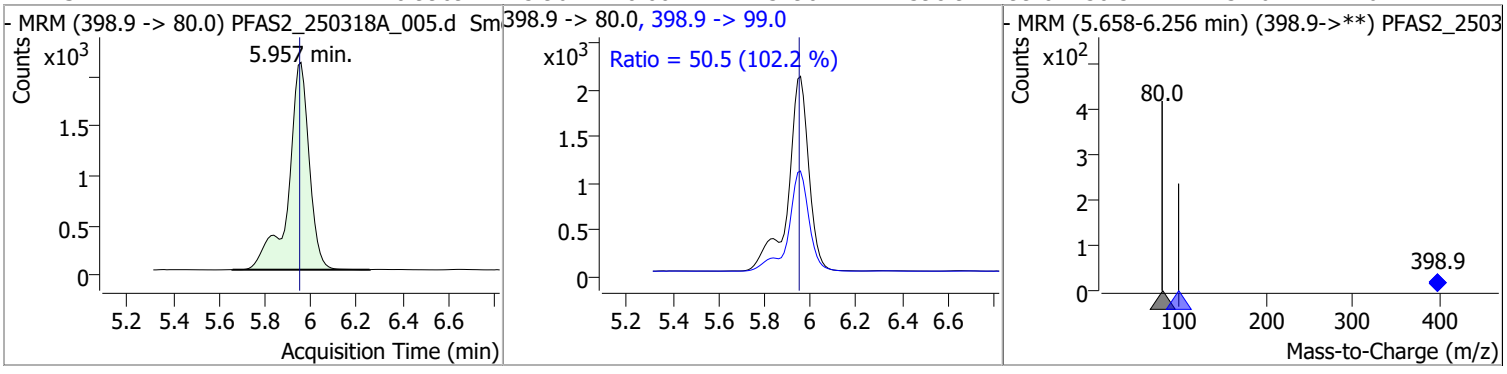
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29828				



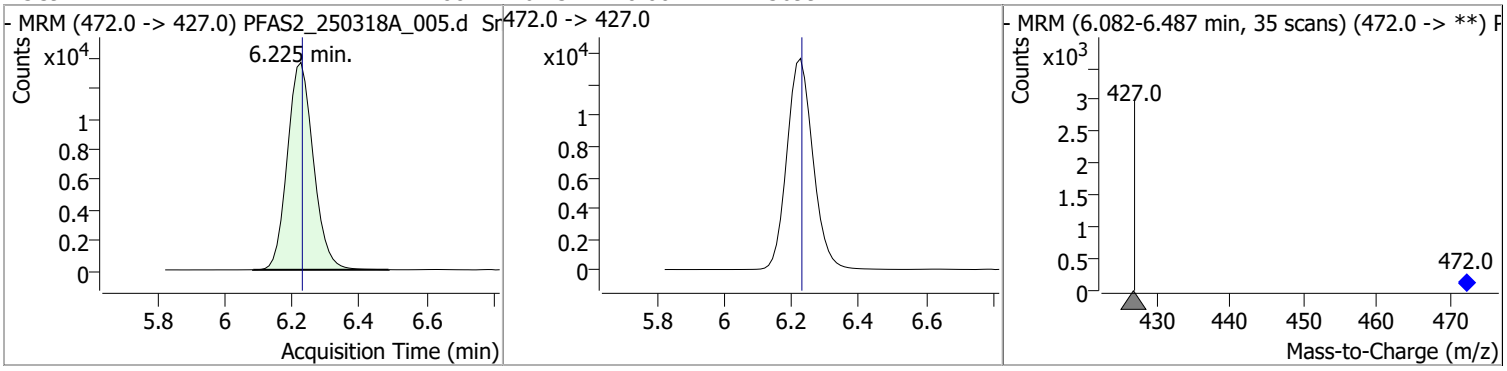
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4325	5.96	0.00	34222	402.0 -> 99.0	55.9	34.1	63.3



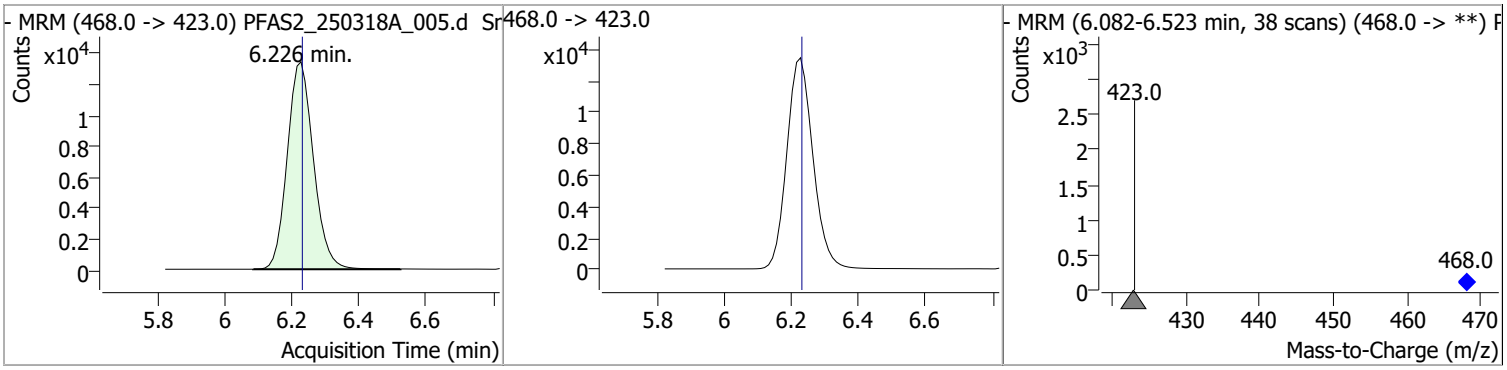
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.9909	5.96	0.00	13190	398.9 -> 99.0	50.5	34.6	64.2



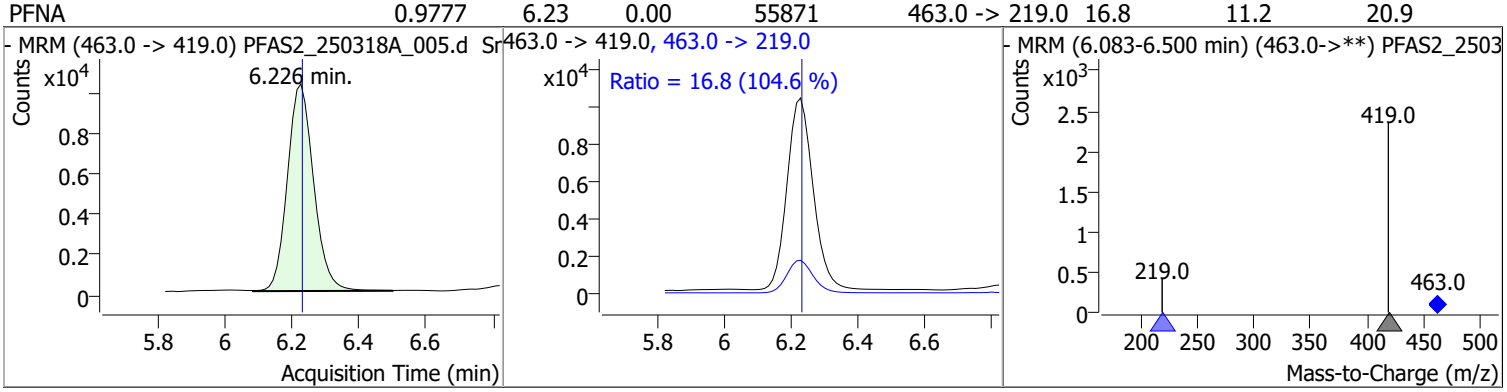
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2788	6.23	0.00	73699				



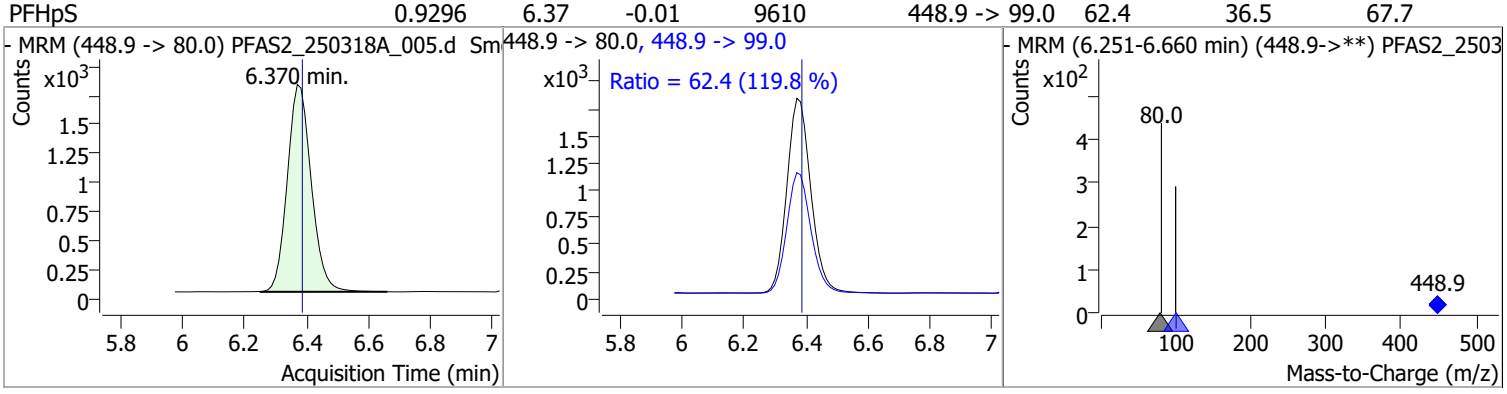
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	72731				



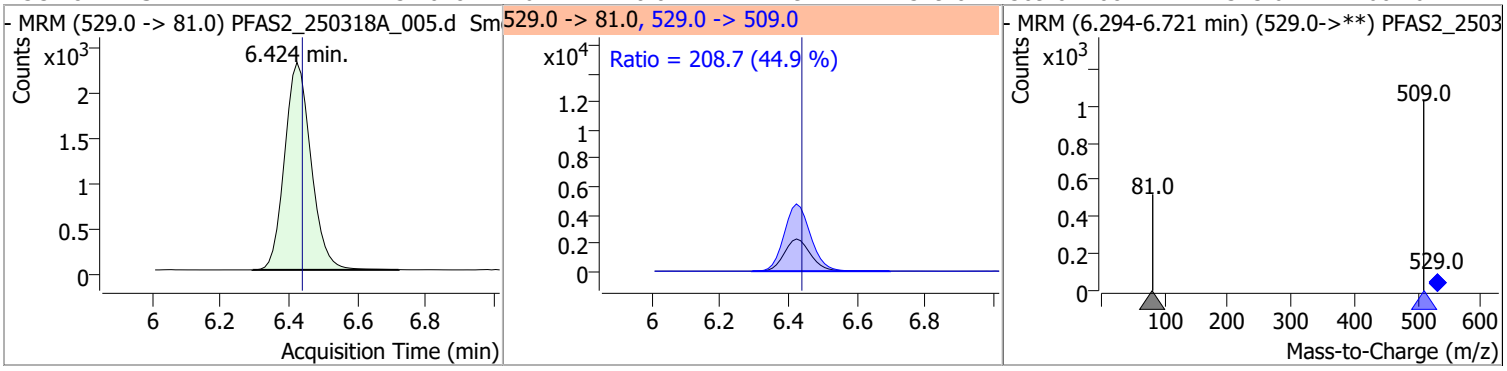
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.9777	6.23	0.00	55871	463.0 -> 219.0	16.8	11.2	20.9



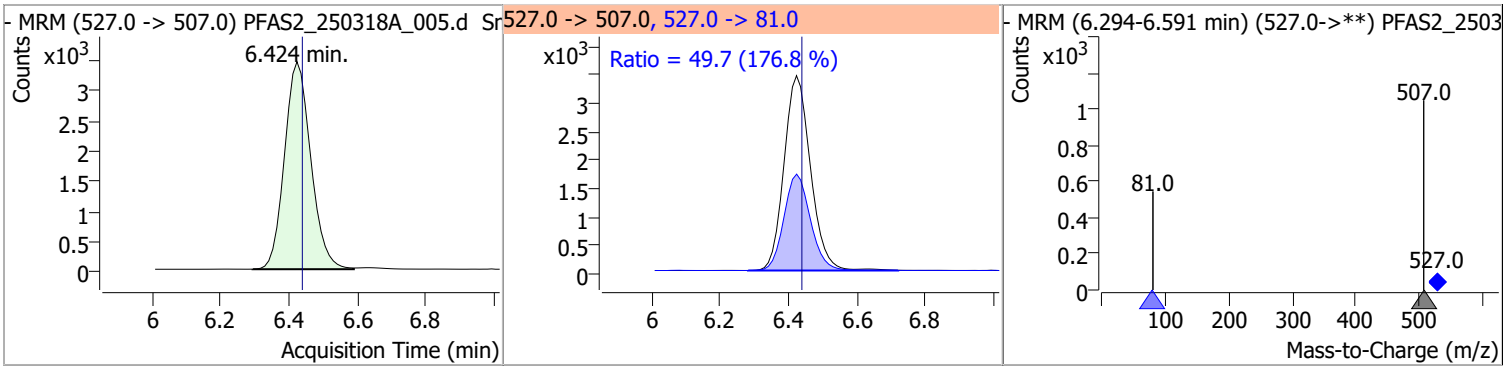
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.9296	6.37	-0.01	9610	448.9 -> 99.0	62.4	36.5	67.7



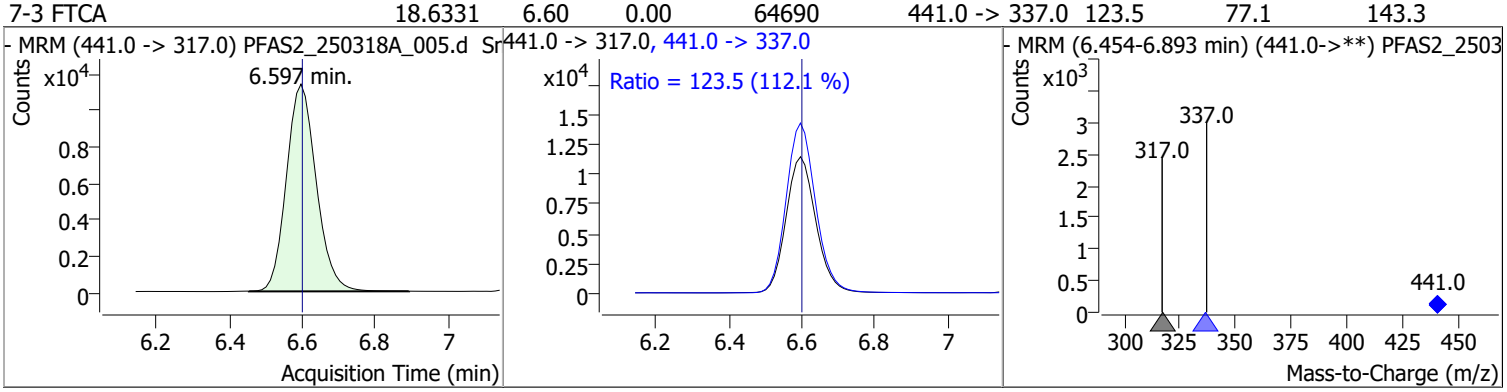
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1078	6.42	-0.01	12197	529.0 -> 509.0	208.7	325.6	604.6



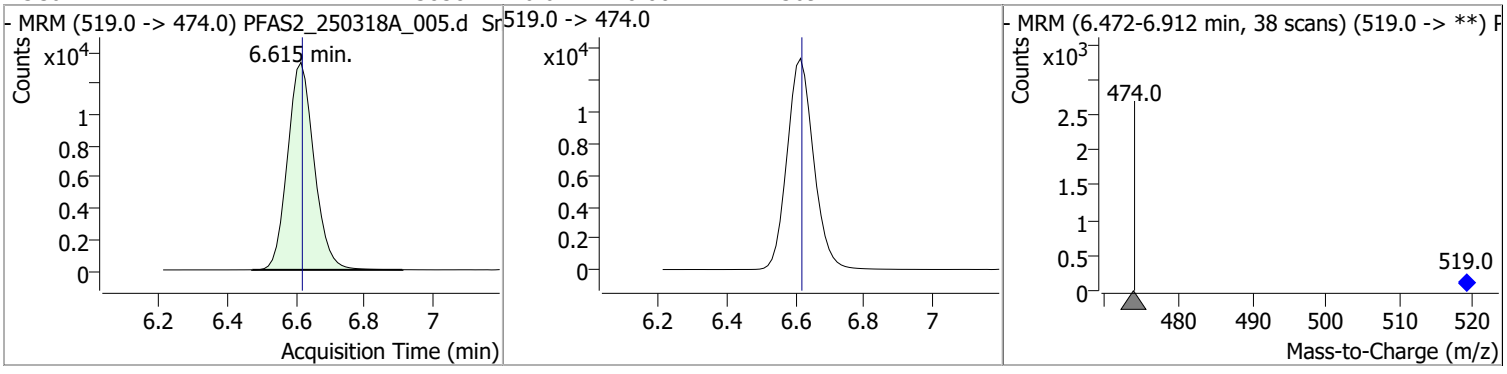
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	3.3693	6.42	-0.01	18310	527.0 -> 81.0	49.7	19.7	36.6



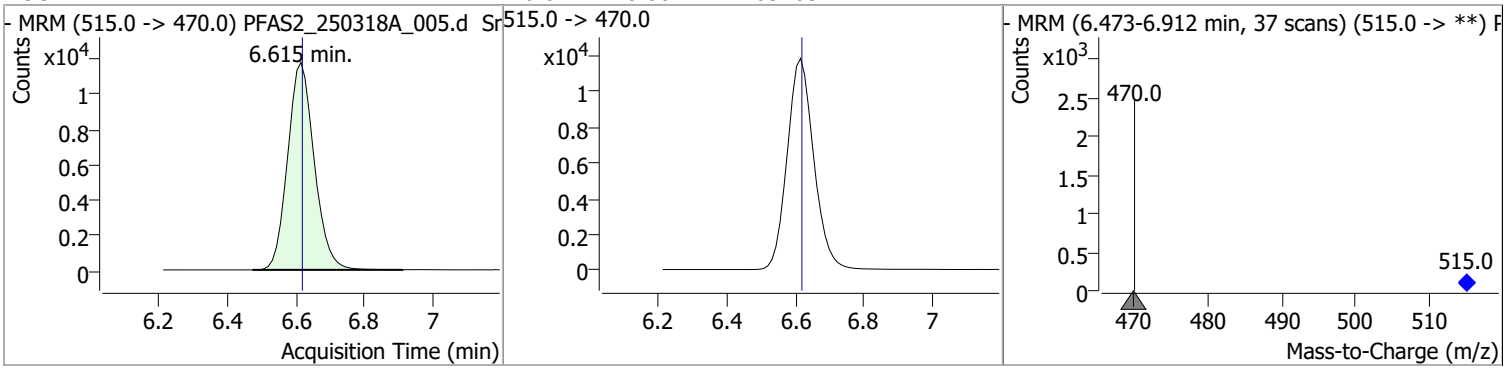
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	18.6331	6.60	0.00	64690	441.0 -> 337.0	123.5	77.1	143.3



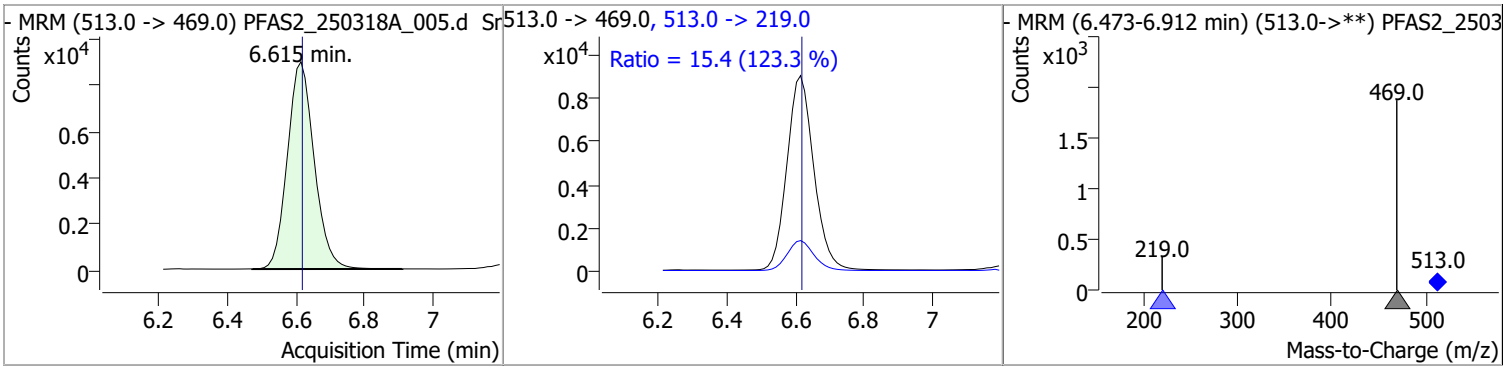
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3858	6.61	0.00	71569				



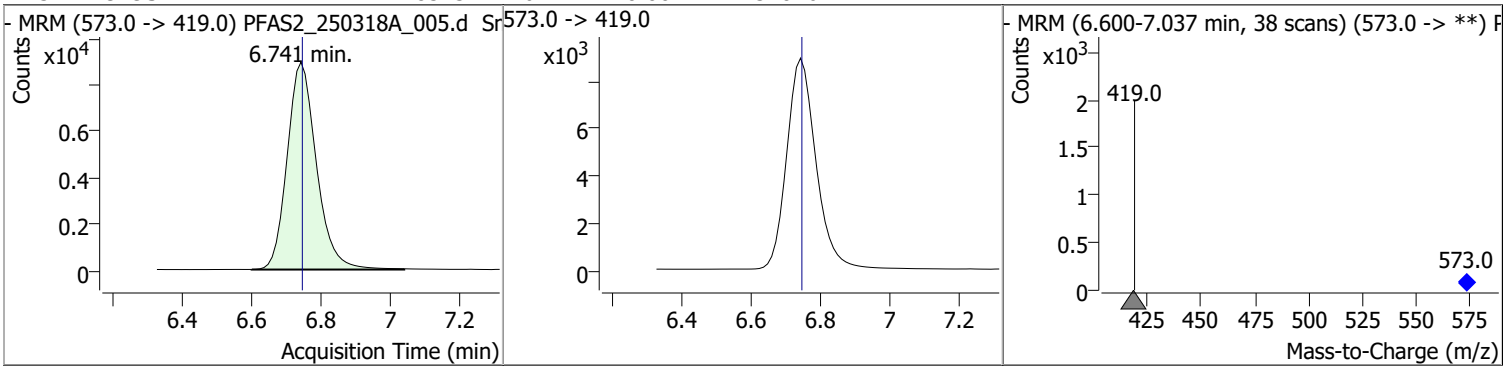
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	63465				



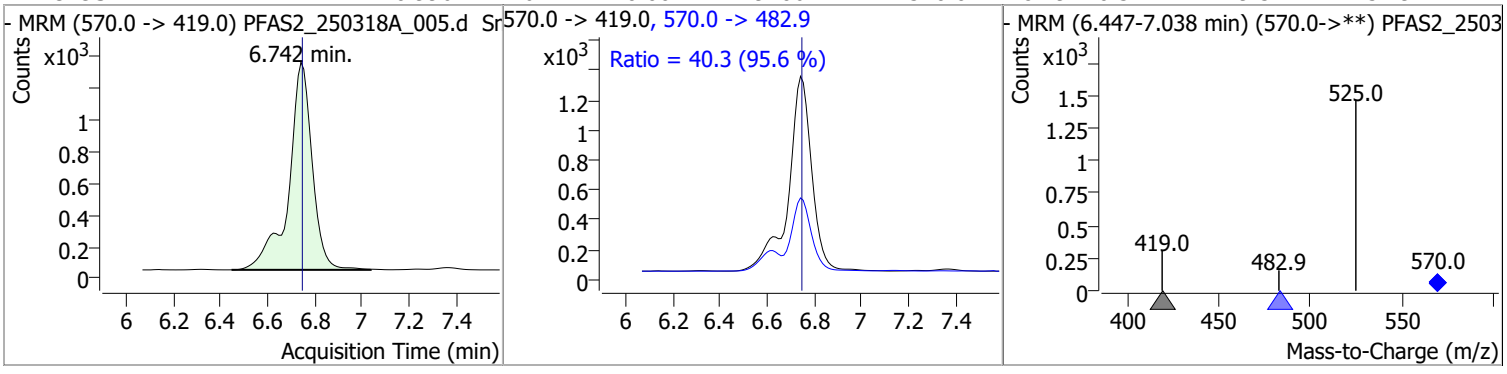
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.9270	6.62	0.00	48729	513.0 -> 219.0	15.4	8.7	16.2



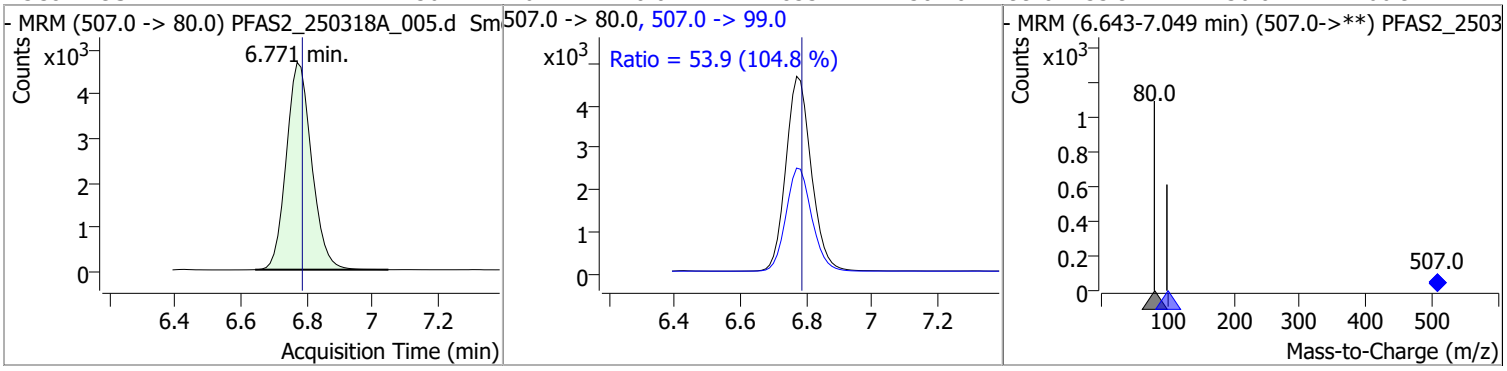
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8513	6.74	0.00	52046				



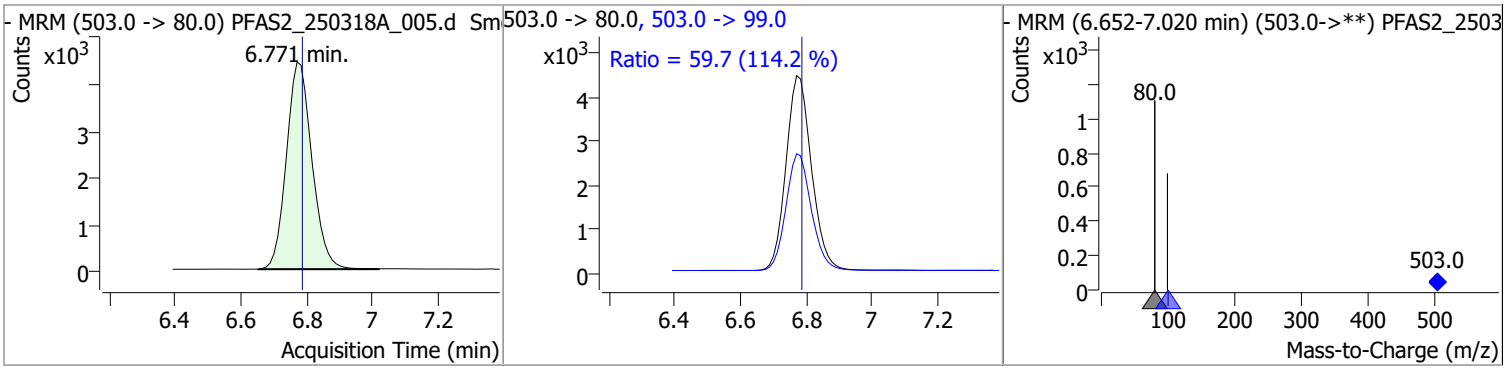
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.9964	6.74	0.00	9106	570.0 -> 482.9	40.3	29.5	54.9



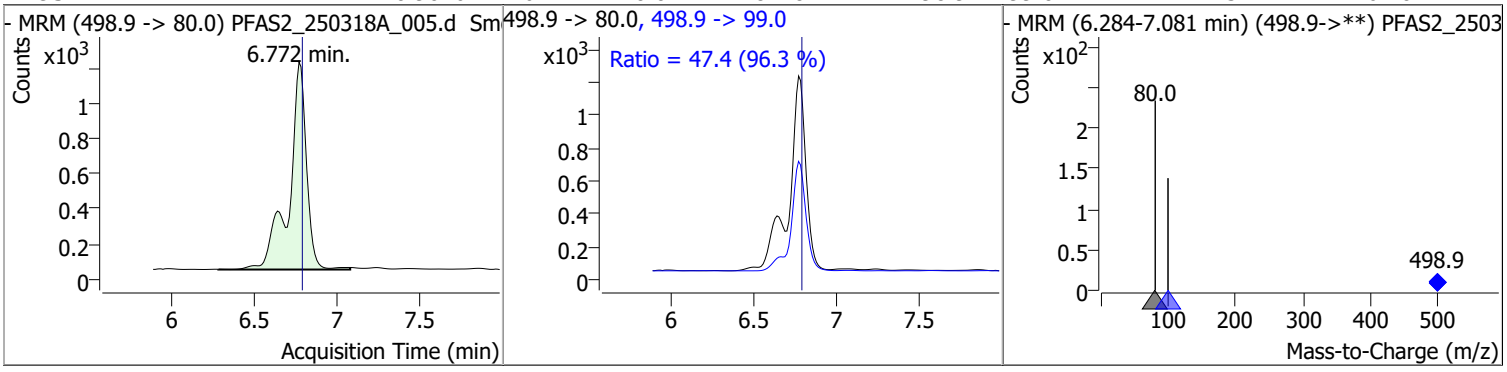
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5611	6.77	-0.01	24853	507.0 -> 99.0	53.9	36.0	66.9



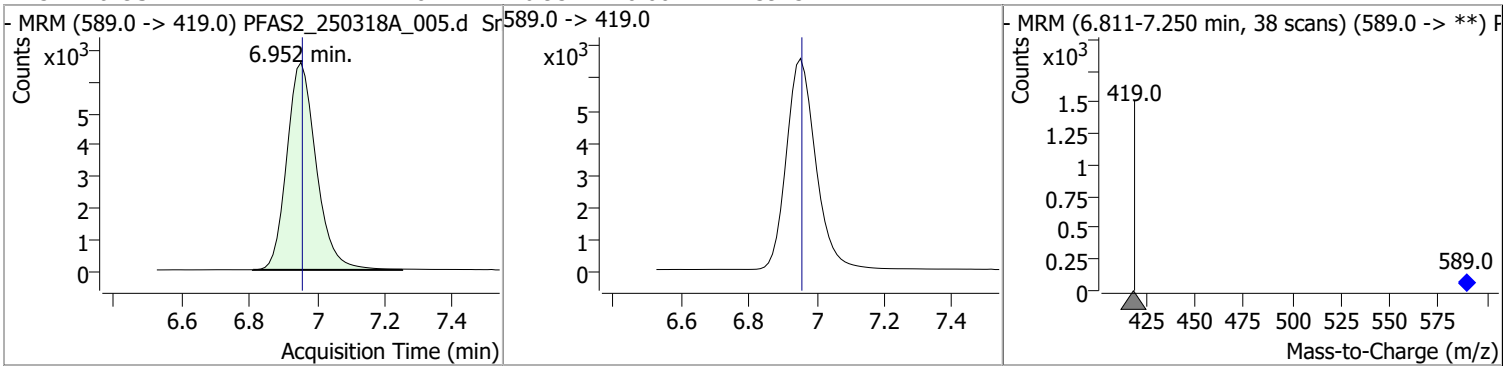
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	23910	503.0 -> 99.0	59.7	36.6	67.9



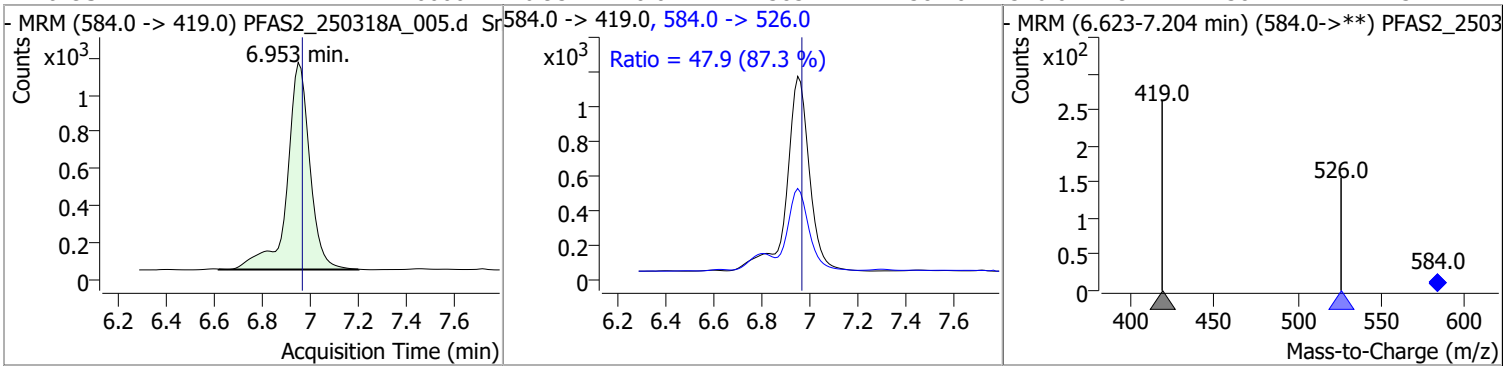
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.9026	6.77	-0.01	8728	498.9 -> 99.0	47.4	34.4	64.0



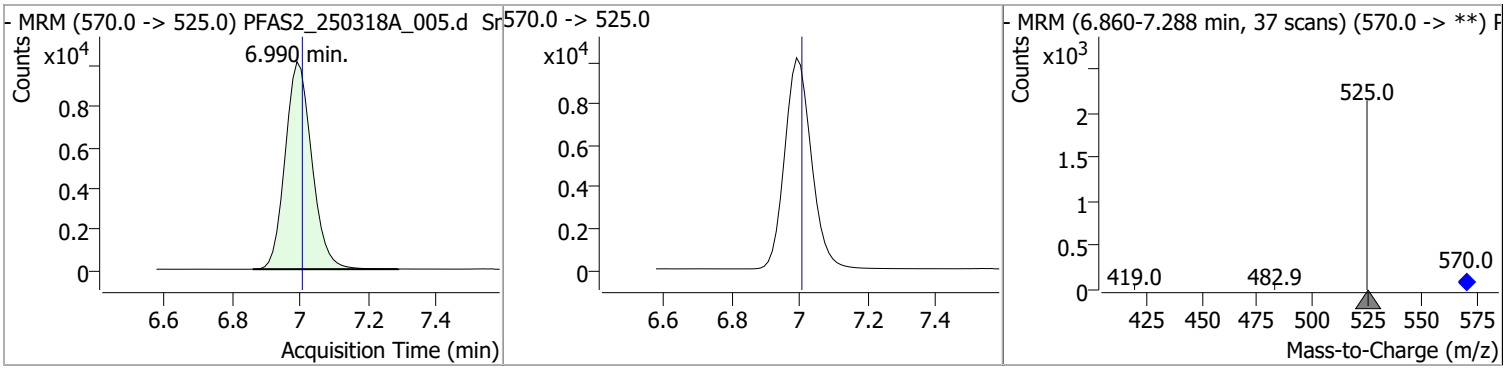
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8712	6.95	0.00	39454				



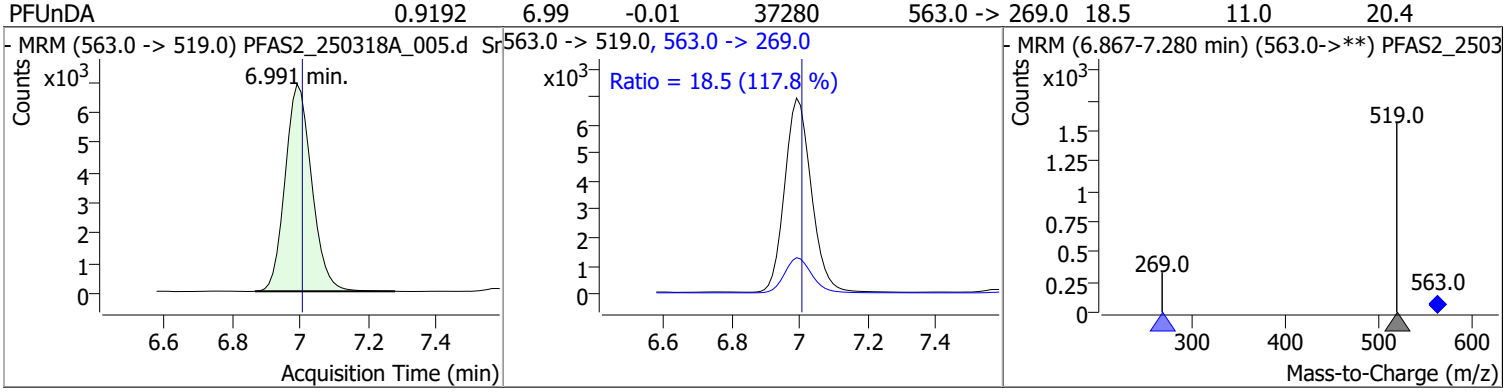
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	1.0000	6.95	-0.01	7383	584.0 -> 526.0	47.9	38.4	71.3



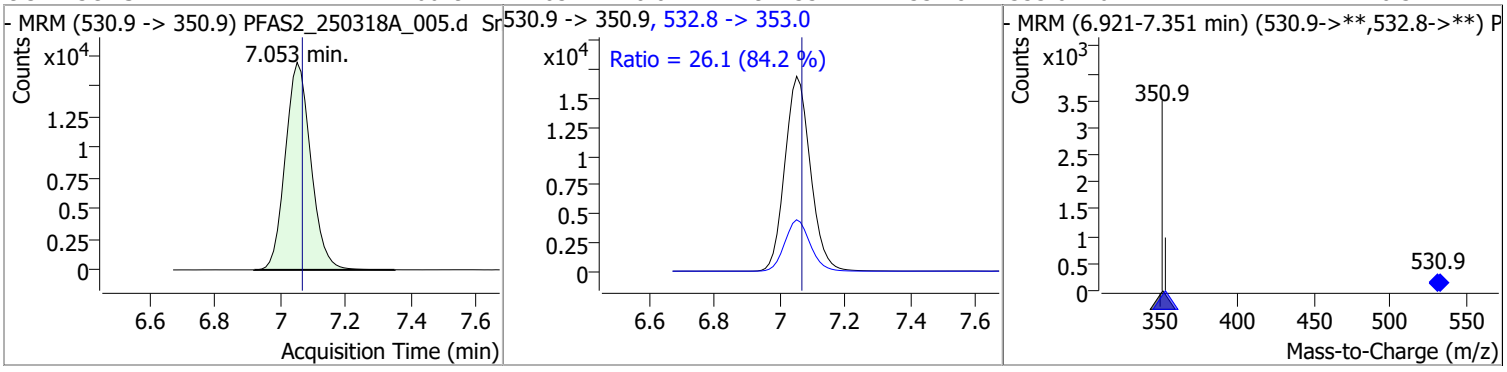
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3573	6.99	-0.01	55244				



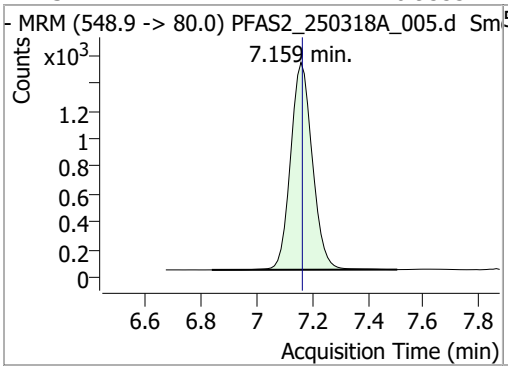
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.9192	6.99	-0.01	37280	563.0 -> 269.0	18.5	11.0	20.4

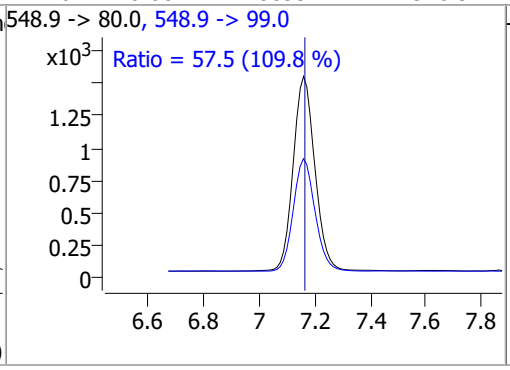


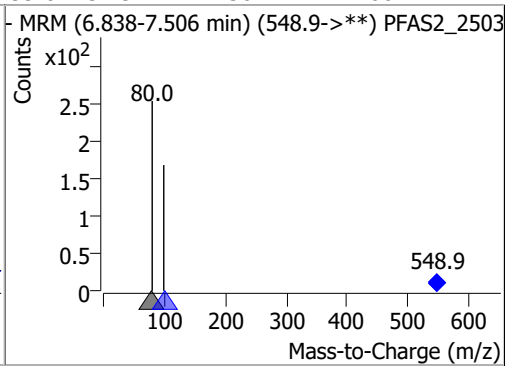
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	1.6679	7.05	-0.01	91155	532.8 -> 353.0	26.1	21.7	40.3



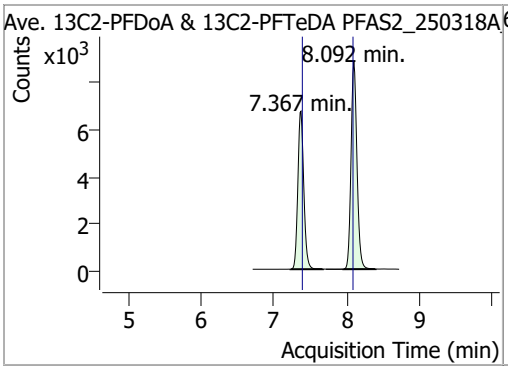
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.9553	7.16	0.00	8099	548.9 -> 99.0	57.5	36.7	68.1

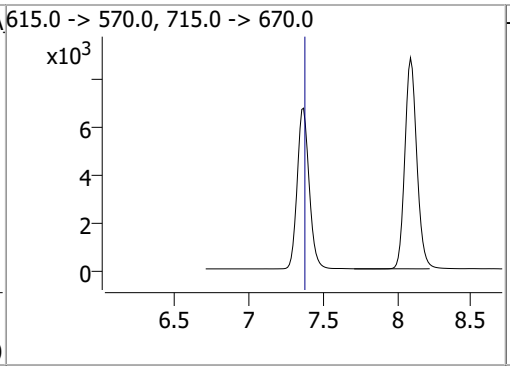


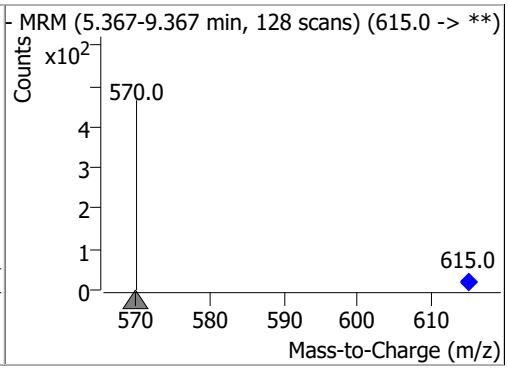




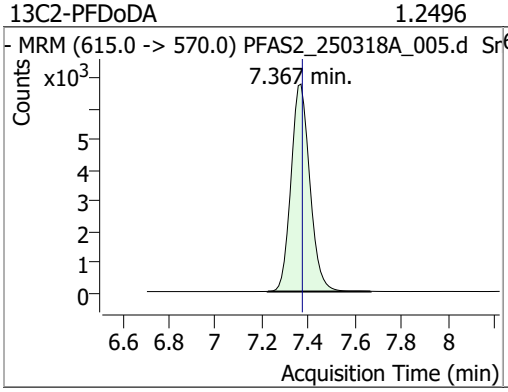
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3076	7.73	0.36	43867				

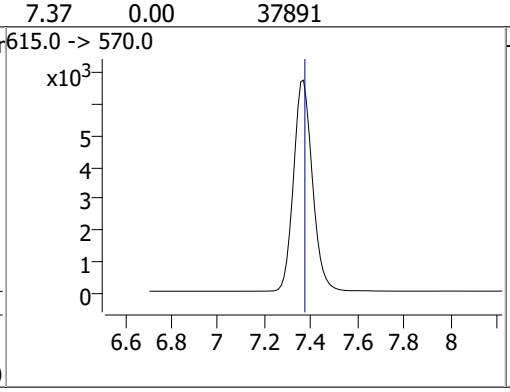


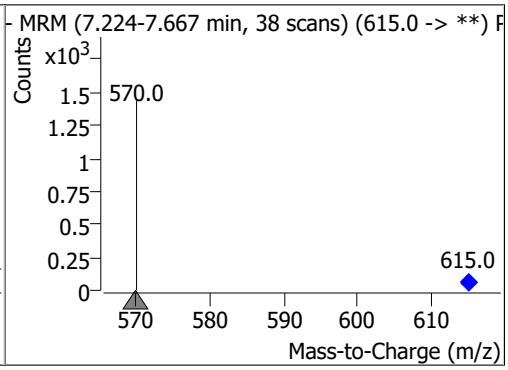




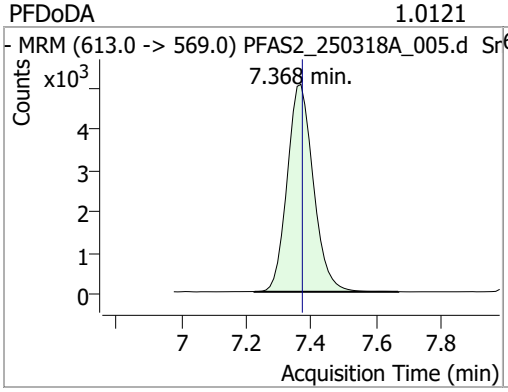
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2496	7.37	0.00	37891				

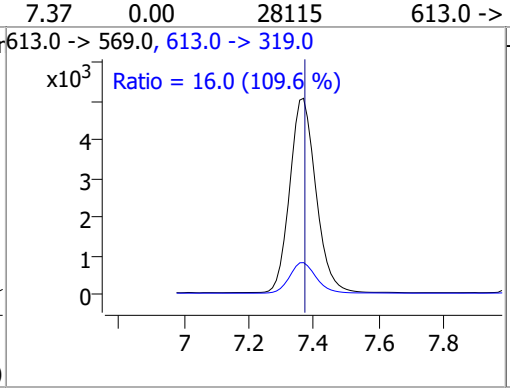


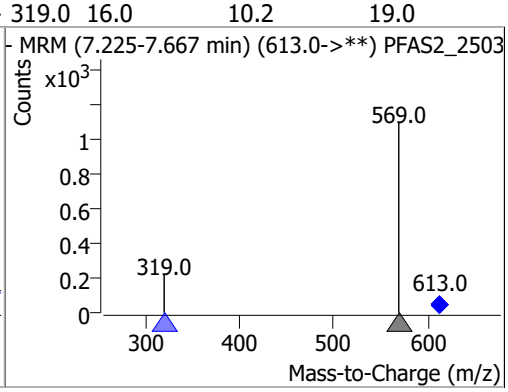




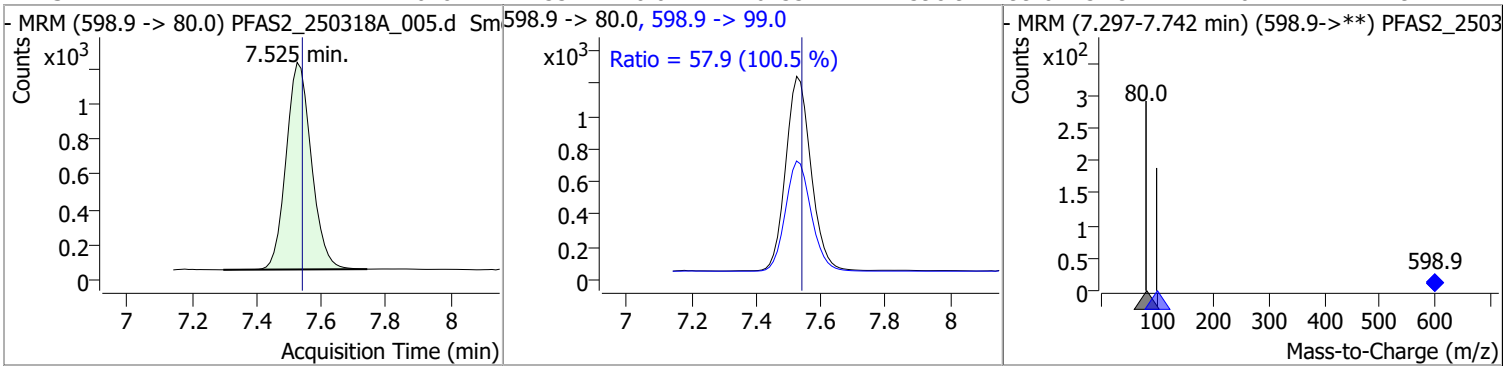
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	1.0121	7.37	0.00	28115	613.0 -> 319.0	16.0	10.2	19.0



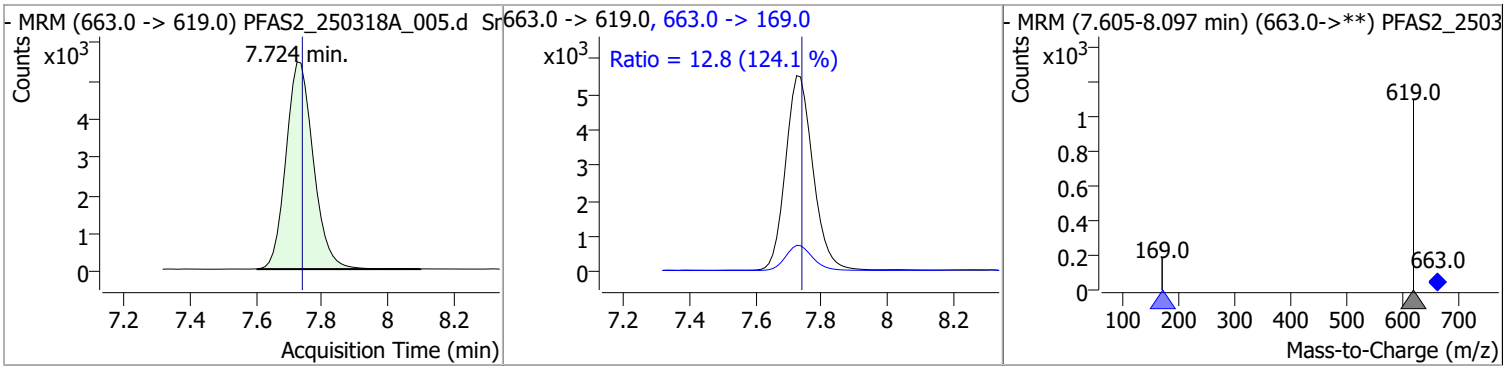




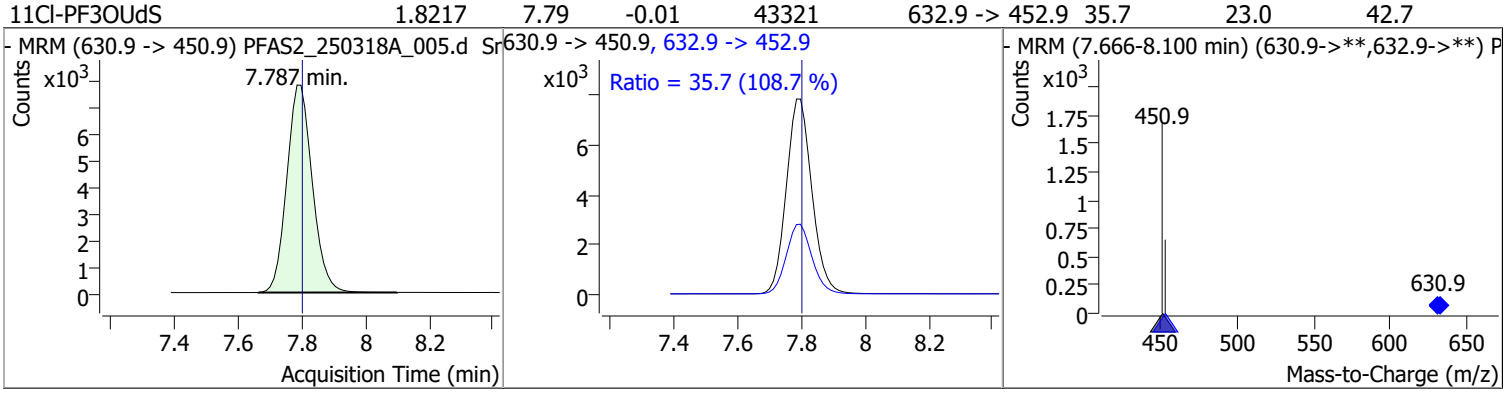
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.0187	7.53	-0.01	6453	598.9 -> 99.0	57.9	40.4	74.9



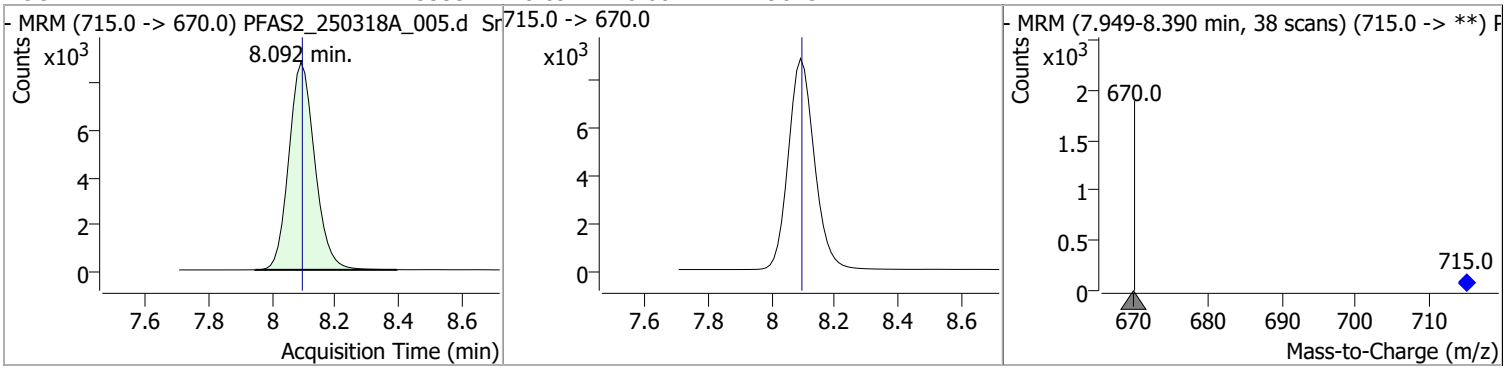
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.9475	7.72	-0.01	31318	663.0 -> 169.0	12.8	7.2	13.4



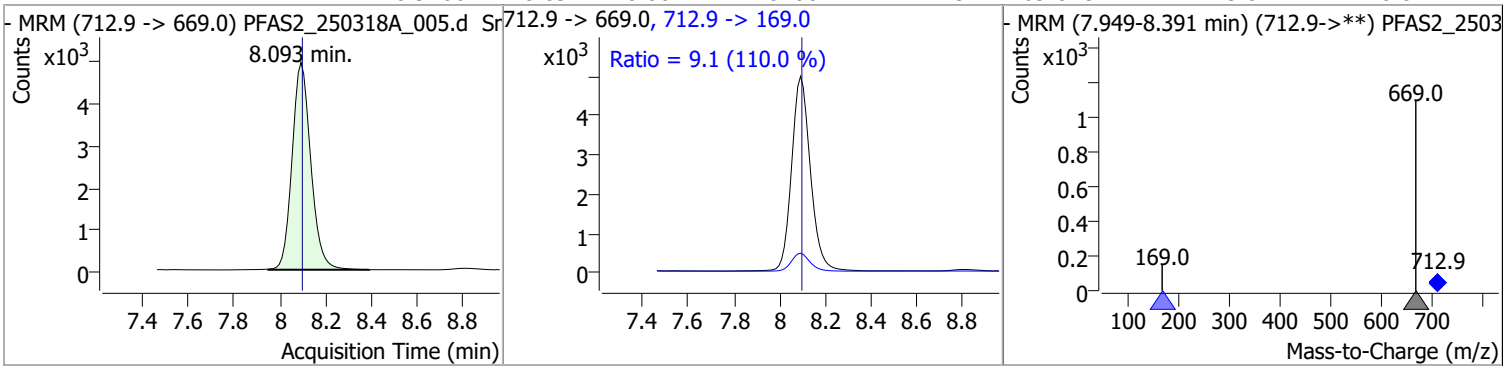
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	1.8217	7.79	-0.01	43321	632.9 -> 452.9	35.7	23.0	42.7



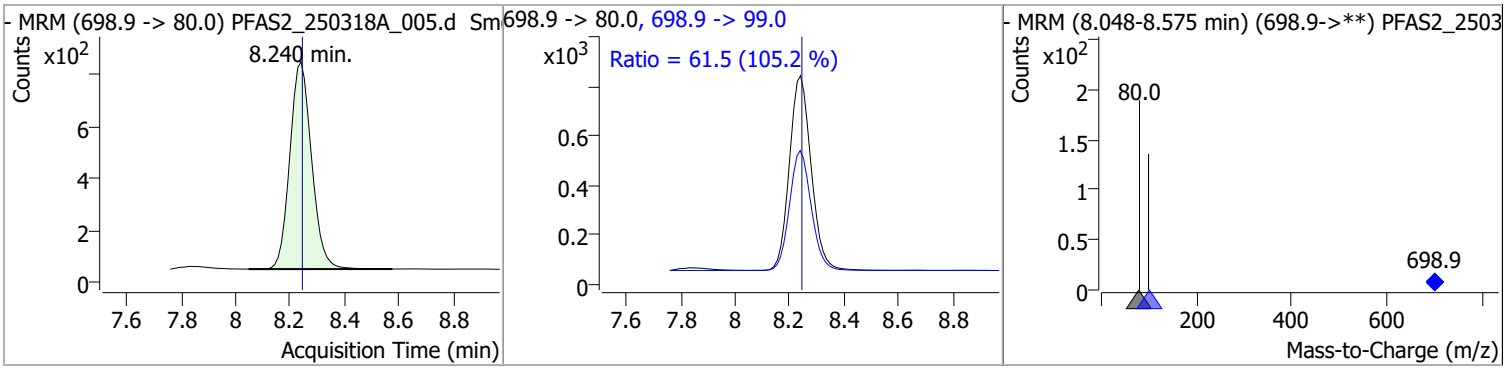
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3555	8.09	0.00	49843				



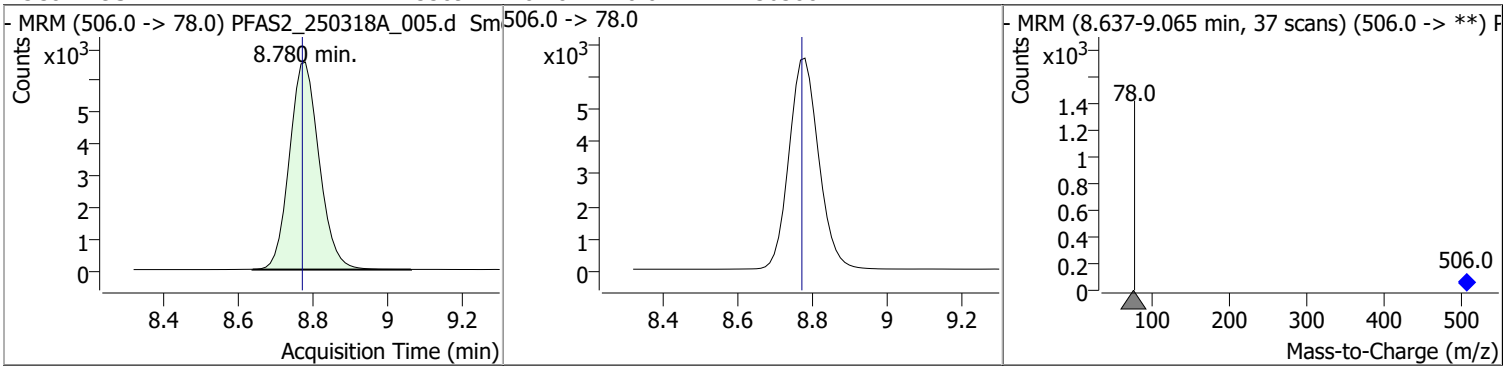
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.9266	8.09	0.00	28100	712.9 -> 169.0	9.1	5.8	10.8



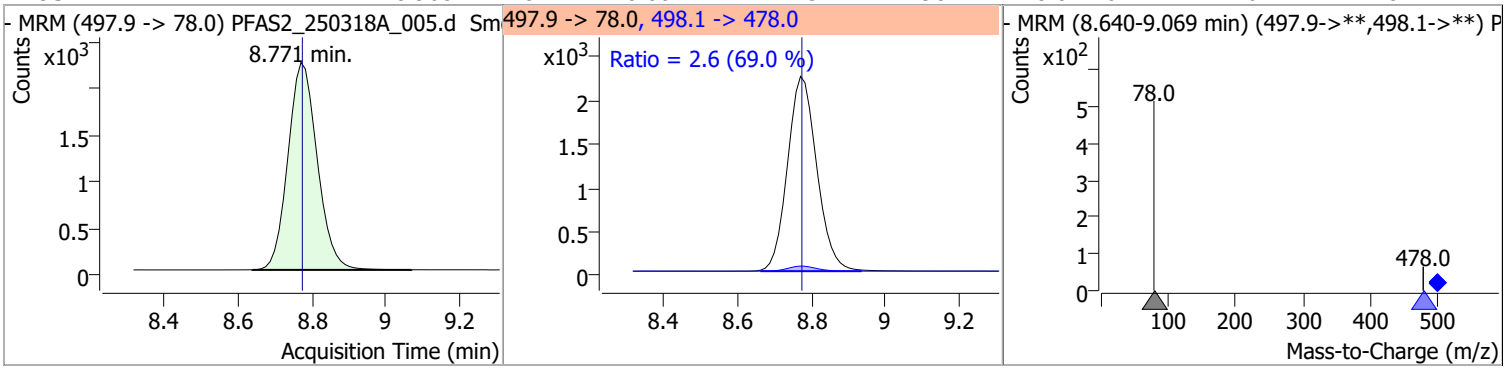
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.9893	8.24	0.00	4382	698.9 -> 99.0	61.5	41.0	76.1



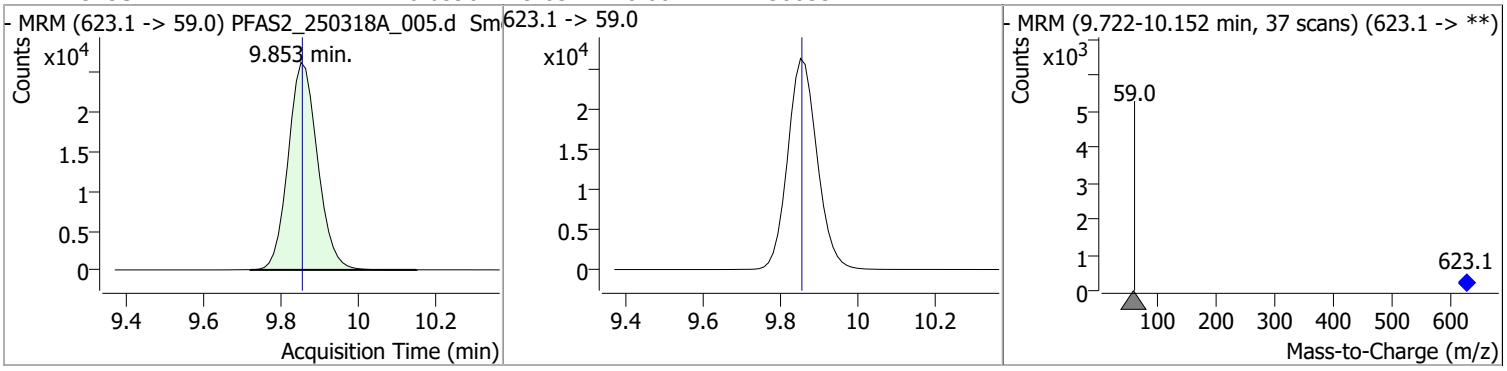
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5589	8.78	0.01	36388				



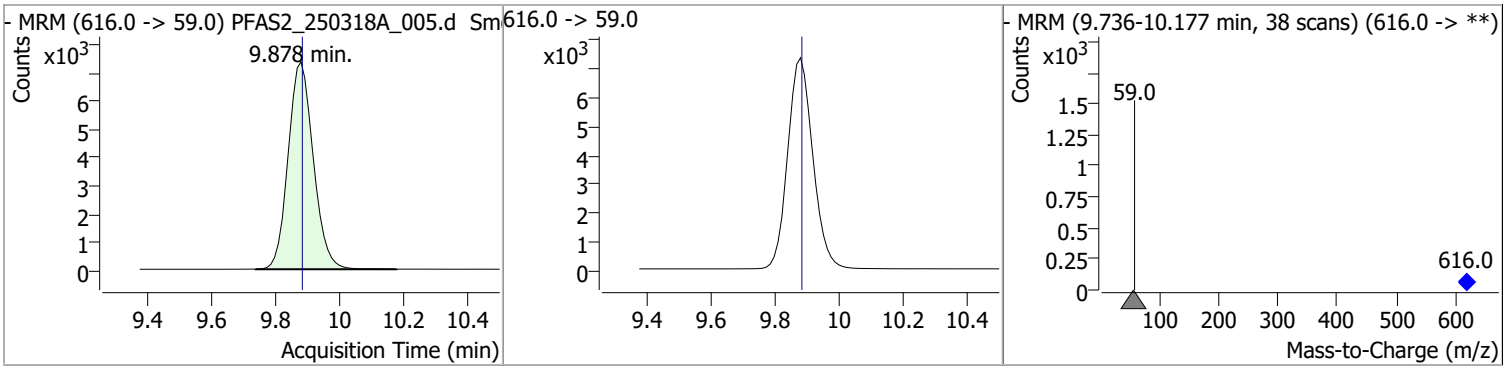
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.9681	8.77	0.00	12243	498.1 -> 478.0	2.6	2.6	4.8



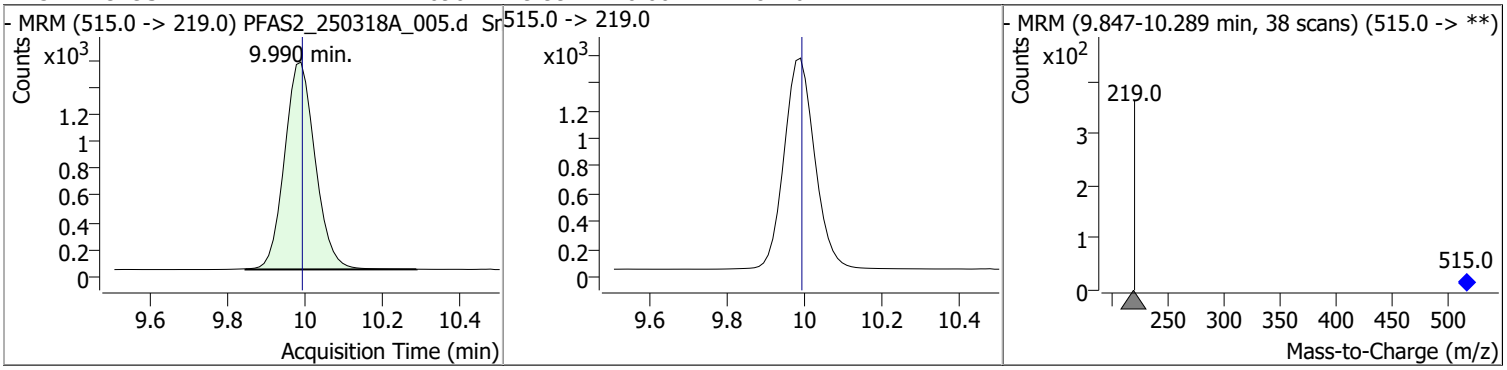
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	28.6390	9.85	0.00	138053				



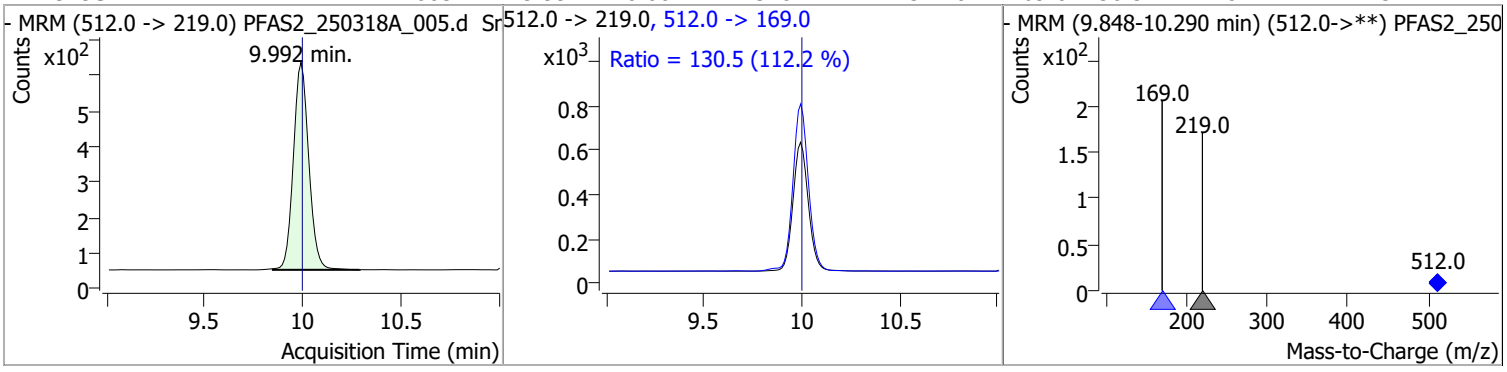
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	9.5789	9.88	0.00	39982				



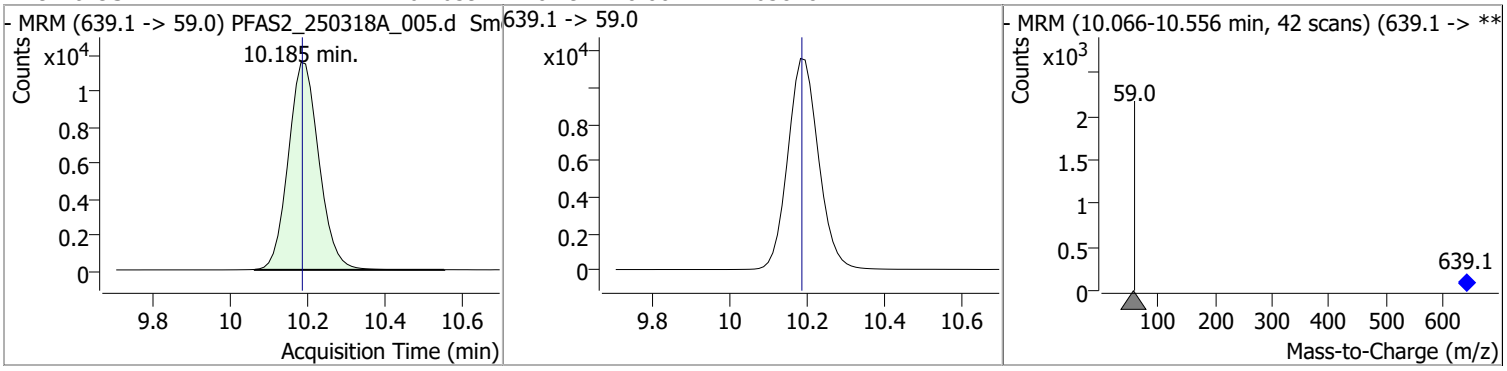
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1090	9.99	0.00	8416				



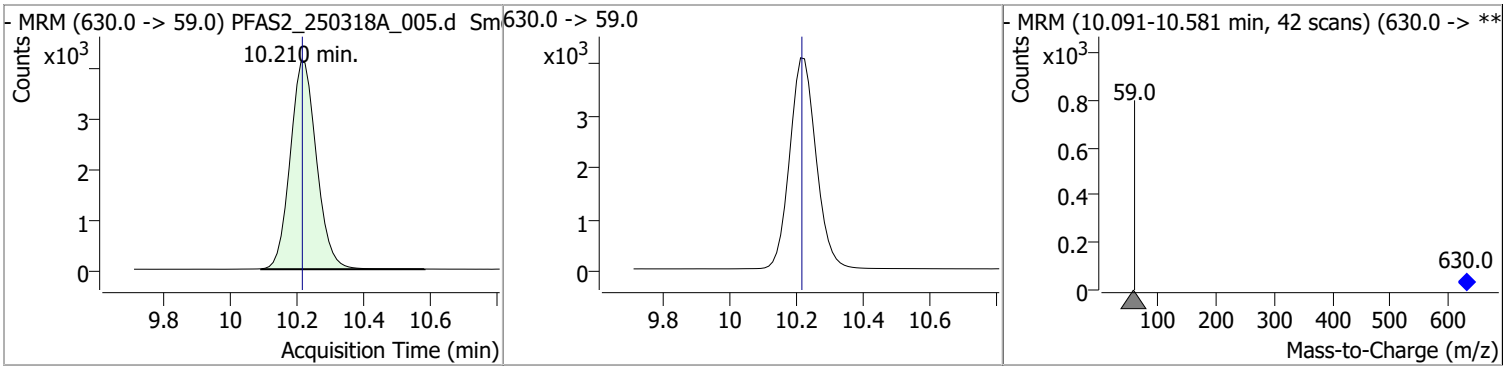
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	1.0052	9.99	0.00	3182	512.0 -> 169.0	130.5	81.4	151.2



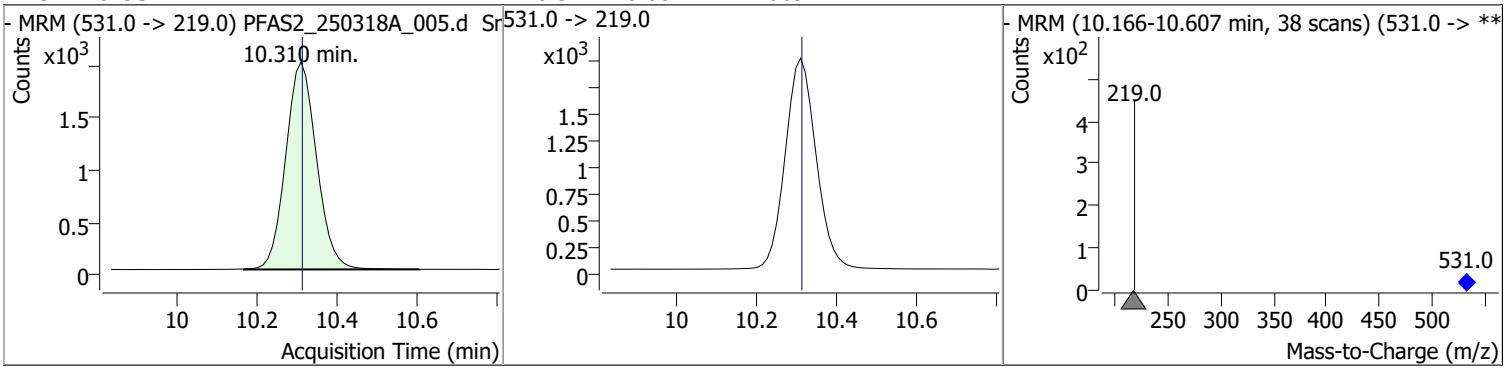
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.1659	10.19	0.00	63828				



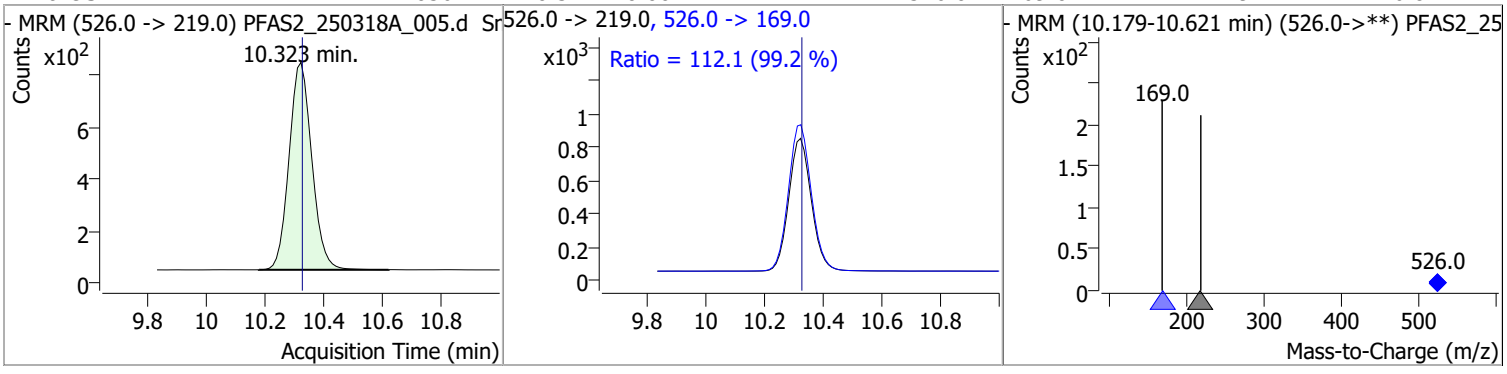
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	9.8118	10.21	0.00	22448				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4774	10.31	0.00	10691				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	1.0364	10.32	0.00	4274	526.0 -> 169.0	112.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_006.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:07:56 PM
Sample Name	SEQ-CAL4	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

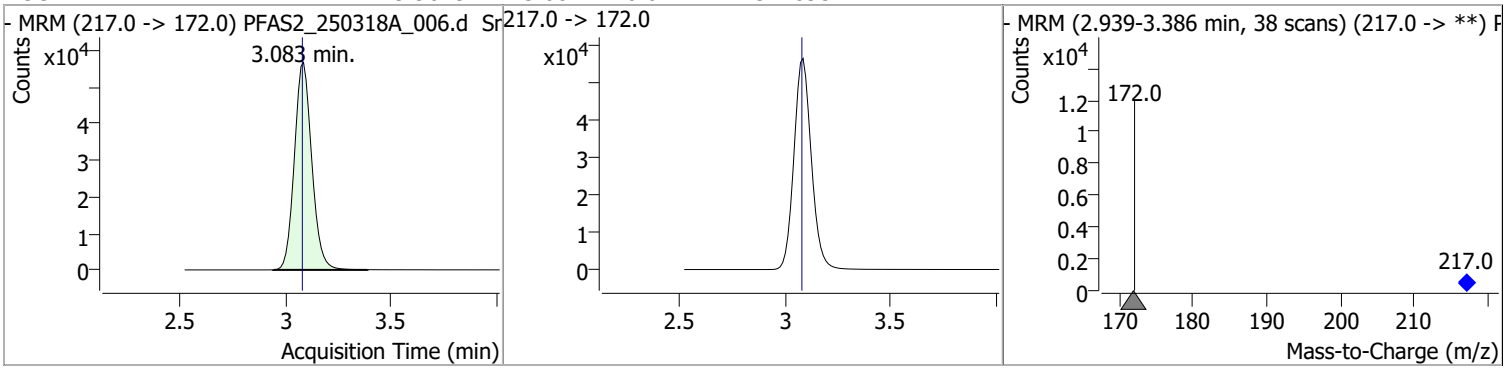
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	144378	5.0000	µg/L		5.507
13C2-PFHxA	4.890	315.0 -> 270.0	157199	2.5000	µg/L		2.460
18O2-PFHxS	5.955	403.0 -> 84.0	29823	2.5000	µg/L		0.652
13C4-PFOA	5.823	417.0 -> 172.0	15303	2.5000	µg/L		-0.938
13C5-PFNA	6.226	468.0 -> 423.0	69849	1.2500	µg/L		-1.859
13C2-PFDA	6.615	515.0 -> 470.0	64826	1.2500	µg/L		-3.065
13C4-PFOS	6.783	503.0 -> 80.0	24830	2.5000	µg/L		-0.317
System Monitoring Compounds							
13C4-PFBA	3.083	217.0 -> 172.0	324895	10.0000	µg/L		4.525
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.03%			
13C5-PFPeA	4.222	268.0 -> 223.0	206327	5.0000	µg/L		-0.286
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.33%			
13C5-PFPeA	4.222	268.0 -> 223.0	206327	5.0000	µg/L		-0.286
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.33%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	28376	5.0000	µg/L	#	12.316
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 112.04%			
13C5-PFHxA	4.889	318.0 -> 273.0	167518	2.5000	µg/L		-0.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.81%			
13C5-PFHxA	4.889	318.0 -> 273.0	167518	2.5000	µg/L		-0.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.81%			
13C3-PFBS	4.929	302.0 -> 80.0	63010	2.5000	µg/L		3.765
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.20%			
13C3-PFBS	4.929	302.0 -> 80.0	63010	2.5000	µg/L		3.765
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.20%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	173994	10.0000	µg/L		-0.445
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.16%			
13C4-PFHpA	5.397	367.0 -> 322.0	191026	2.5000	µg/L		1.133
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%			
13C3-PFHxS	5.956	402.0 -> 80.0	35431	2.5000	µg/L		1.379
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.75%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15616	5.0000	µg/L	#	5.736
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.16%			
13C8-PFOA	5.823	421.0 -> 376.0	170150	2.5000	µg/L		-1.499
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.45%			
13C3-PFHxS	5.956	402.0 -> 80.0	35431	2.5000	µg/L		1.379
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.75%			
13C9-PFNA	6.225	472.0 -> 427.0	67577	1.2500	µg/L		-4.097
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.67%			
13C8-PFOS	6.782	507.0 -> 80.0	25909	2.5000	µg/L		2.472
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.84%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11688	5.0000	µg/L	#	-1.335
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.90%			
13C6-PFDA	6.615	519.0 -> 474.0	64304	1.2500	µg/L		-5.380
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.52%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	51845	5.0000	µg/L		-7.119

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.07%		
13C8-PFOS	6.782	507.0 -> 80.0	25909	2.5000	µg/L	2.472
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.84%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	39173	5.0000	µg/L	-7.105
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.14%		
13C7-PFUnDA	7.002	570.0 -> 525.0	55776	1.2500	µg/L	4.054
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.33%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	41232	1.2500	µg/L	-6.535
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.26%		
13C2-PFDoDA	7.367	615.0 -> 570.0	36792	1.2500	µg/L	-7.895
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.03%		
13C2-PFTDA	8.092	715.0 -> 670.0	45673	1.2500	µg/L	-5.410
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.28%		
13C8-PFOSA	8.780	506.0 -> 78.0	37463	2.5000	µg/L	1.357
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.47%		
2H7-MeFOSE	9.853	623.1 -> 59.0	139775	25.0000	µg/L	11.246
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 111.69%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	11041	2.5000	µg/L	6.474
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.56%		
2H9-EtFOSE	10.197	639.1 -> 59.0	68989	25.0000	µg/L	8.629
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 108.94%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	12163	2.5000	µg/L	8.214
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.57%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	229760	8.1356	µg/L	100
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 101.69%		
PFMPA	3.614	229.0 -> 85.0	81623	4.1498	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.75%		
3-3 FTCA	3.790	241.0 -> 177.0	5987	8.6722	µg/L	98
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 108.40%		
PFPeA	4.223	263.0 -> 219.0	153054	4.0274	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 100.68%		
PFMBA	4.465	279.0 -> 85.0	120184	4.1763	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 104.41%		
4-2 FTSA	4.698	327.0 -> 307.0	123537	7.1632	µg/L	94
Spiked Amount: 7.500	Range: 70 - 130%			Recovery = 95.51%		
NFDHA	4.823	295.0 -> 201.0	5870	4.7648	µg/L	96
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 119.12%		
PFHxA	4.892	313.0 -> 269.0	122716	2.0472	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.36%		
PFBS	4.930	298.9 -> 80.0	47460	1.8153	µg/L	93
Spiked Amount: 1.774	Range: 70 - 130%			Recovery = 102.33%		
HFPO-DA	5.087	285.0 -> 169.0	67537	4.3750	µg/L	87
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 109.38%		
PFEESA	5.201	314.9 -> 135.0	300166	3.5720	µg/L	99
Spiked Amount: 3.560	Range: 70 - 130%			Recovery = 100.34%		
PFHpA	5.398	363.0 -> 319.0	149864	2.0478	µg/L	97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.39%		
5-3 FTCA	5.458	341.0 -> 237.0	194561	41.9437	µg/L	91
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 104.86%		
PFPeS	5.494	348.9 -> 80.0	39079	2.0428	µg/L	91
Spiked Amount: 1.882	Range: 70 - 130%			Recovery = 108.54%		
DONA	5.551	377.0 -> 251.0	380089	3.7594	µg/L	99
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 99.46%		

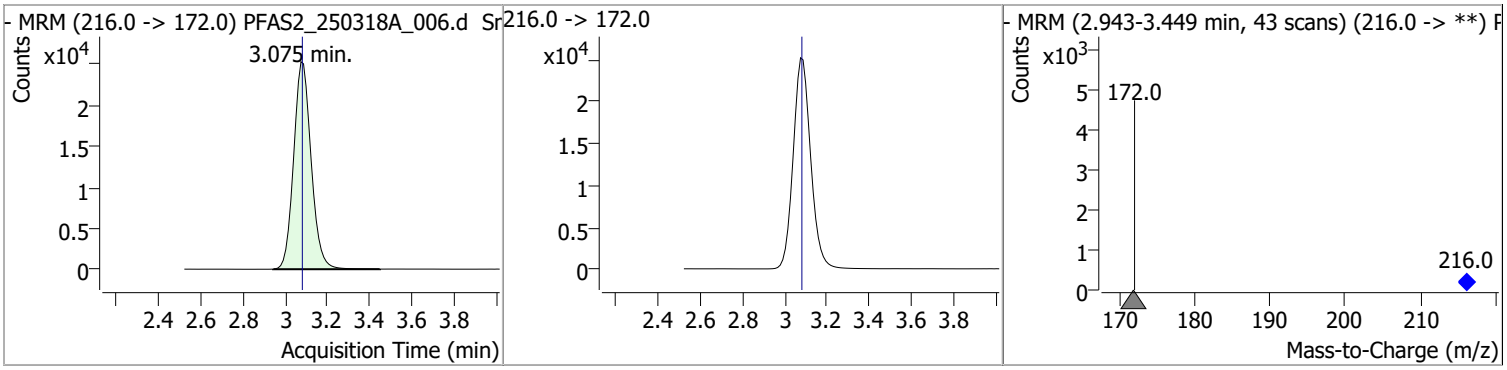
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	78931	7.2757	µg/L	#	83
Spiked Amount: 7.600	Range: 70 - 130%			Recovery = 95.73%			
PFOA	5.824	413.0 -> 369.0	137255	2.0697	µg/L		95
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.49%			
PFHxS	5.957	398.9 -> 80.0	25933	1.8818	µg/L		92
Spiked Amount: 1.828	Range: 70 - 130%			Recovery = 102.94%			
PFNA	6.226	463.0 -> 419.0	109136	2.0752	µg/L		99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.76%			
PFHpS	6.382	448.9 -> 80.0	19813	1.8385	µg/L		97
Spiked Amount: 1.906	Range: 70 - 130%			Recovery = 96.46%			
8-2 FTSA	6.424	527.0 -> 507.0	35662	6.7935	µg/L	#	53
Spiked Amount: 7.680	Range: 70 - 130%			Recovery = 88.46%			
7-3 FTCA	6.597	441.0 -> 317.0	133109	37.9218	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.80%			
PFDA	6.615	513.0 -> 469.0	102283	2.1669	µg/L		94
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 108.34%			
N-MeFOSAA	6.754	570.0 -> 419.0	18836	2.0604	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 103.02%			
PFOS	6.784	498.9 -> 80.0	18835	1.8350	µg/L		100
Spiked Amount: 1.856	Range: 70 - 130%			Recovery = 98.87%			
N-EtFOSAA	6.965	584.0 -> 419.0	14876	2.0177	µg/L		94
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.89%			
PFUnDA	7.003	563.0 -> 519.0	81930	1.9853	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.26%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	198416	3.6756	µg/L		91
Spiked Amount: 3.740	Range: 70 - 130%			Recovery = 98.28%			
PFNS	7.159	548.9 -> 80.0	17796	2.0135	µg/L		96
Spiked Amount: 1.924	Range: 70 - 130%			Recovery = 104.65%			
PFDoDA	7.368	613.0 -> 569.0	57771	2.1419	µg/L		96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 107.10%			
PFDS	7.537	598.9 -> 80.0	12357	1.8712	µg/L		95
Spiked Amount: 1.930	Range: 70 - 130%			Recovery = 96.95%			
PFTrDA	7.736	663.0 -> 619.0	68026	2.1896	µg/L		93
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 109.48%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	91733	3.9803	µg/L		95
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 105.30%			
PFTDA	8.093	712.9 -> 669.0	56268	2.0181	µg/L		96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.90%			
PFDoS	8.240	698.9 -> 80.0	8527	1.8466	µg/L		94
Spiked Amount: 1.940	Range: 70 - 130%			Recovery = 95.18%			
PFOSA	8.771	497.9 -> 78.0	27083	2.0801	µg/L		97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 104.01%			
MeFOSE	9.878	616.0 -> 59.0	86552	20.5491	µg/L		100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.75%			
N-MeFOSA	9.992	512.0 -> 219.0	8531	2.0543	µg/L		91
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.72%			
EtFOSE	10.222	630.0 -> 59.0	50683	20.5115	µg/L		100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.56%			
N-EtFOSA	10.323	526.0 -> 219.0	9937	2.1180	µg/L		98
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 105.90%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

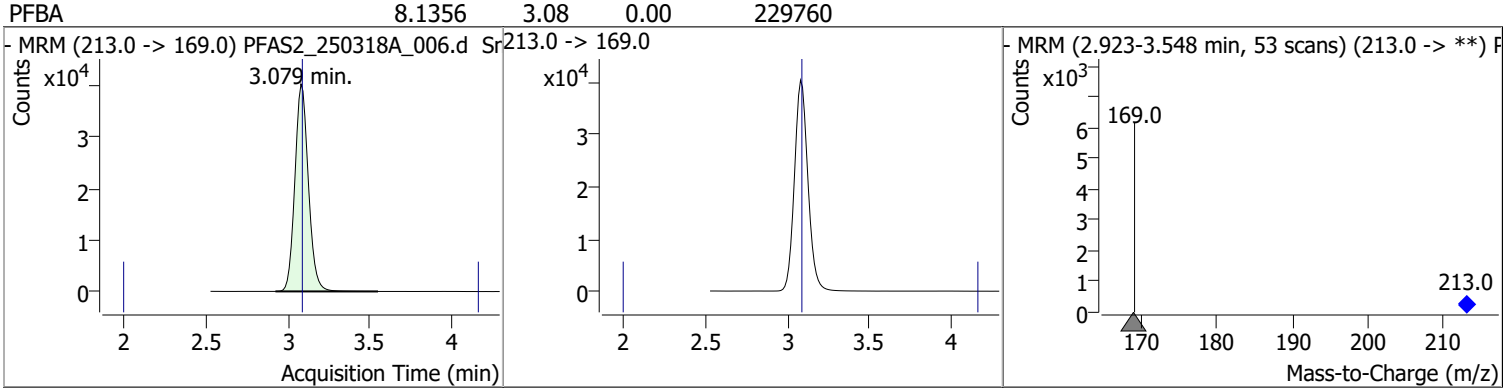
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9025	3.08	0.01	324895				



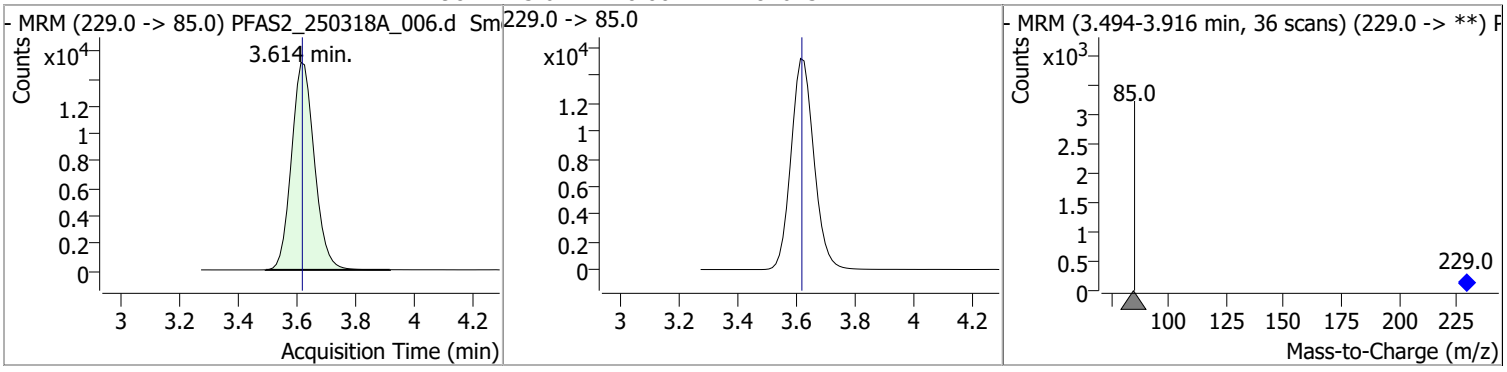
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	144378				



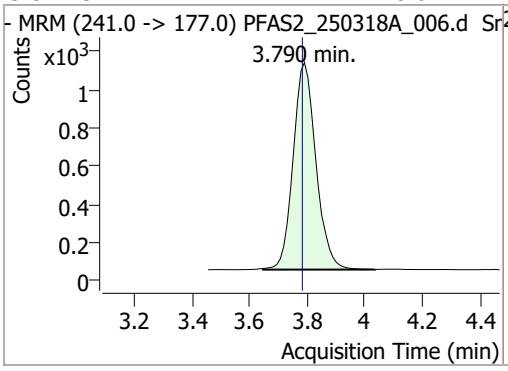
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	8.1356	3.08	0.00	229760				

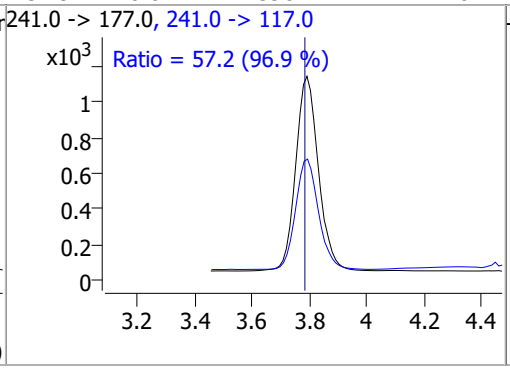


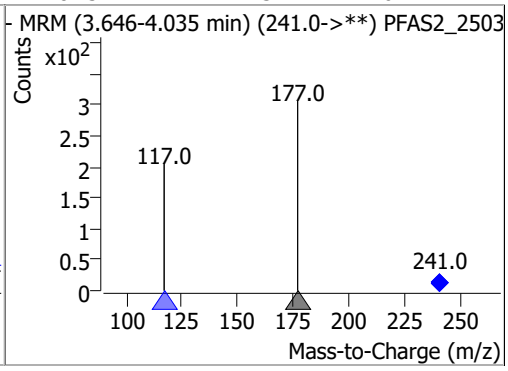
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	4.1498	3.61	0.00	81623				



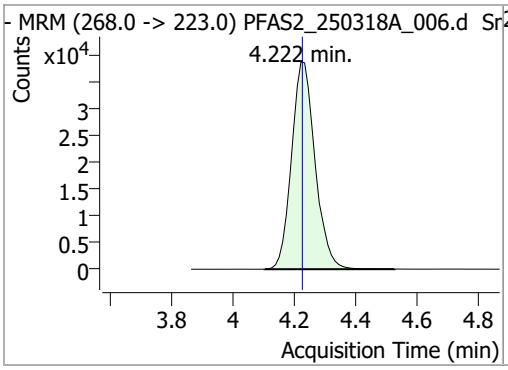
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	8.6722	3.79	0.01	5987	241.0 -> 117.0	57.2	41.3	76.7

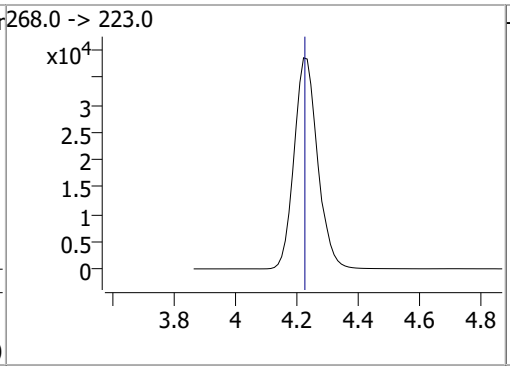


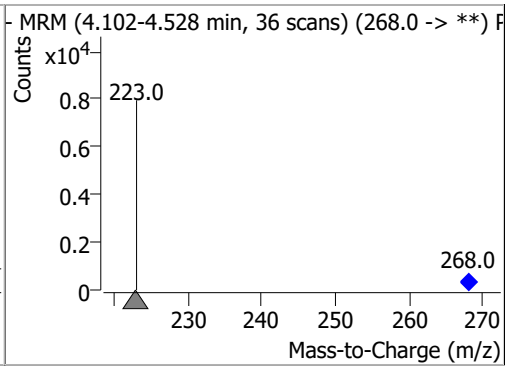




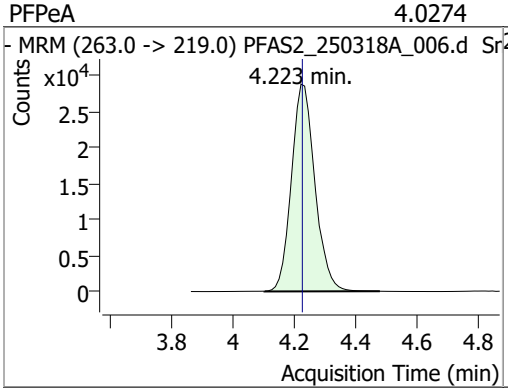
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8663	4.22	0.00	206327				

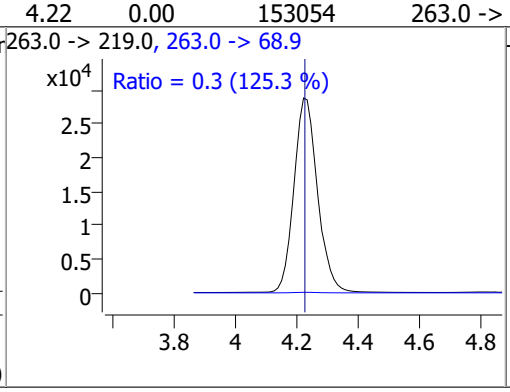


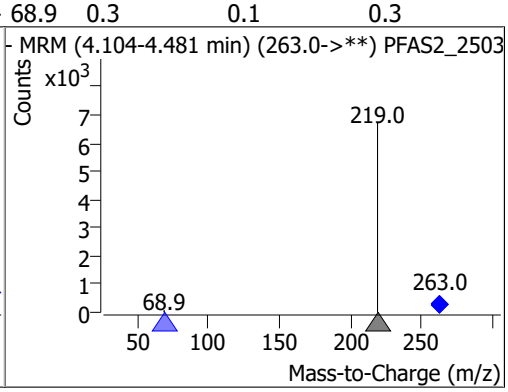




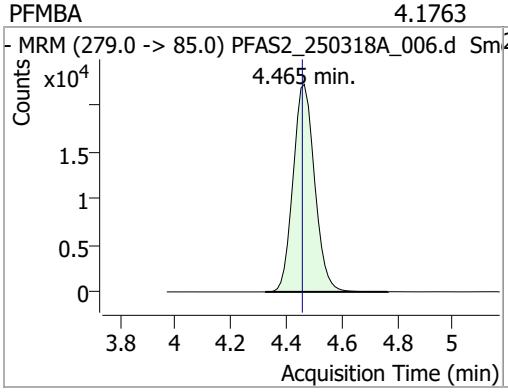
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	4.0274	4.22	0.00	153054	263.0 -> 68.9	0.3	0.1	0.3

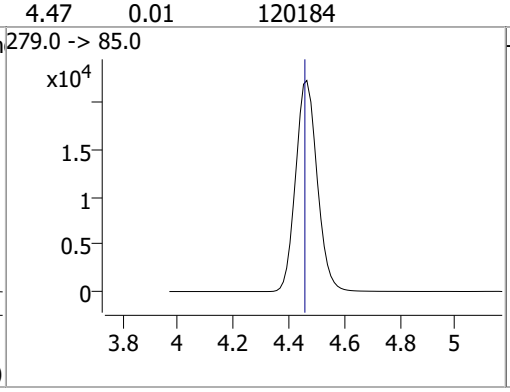


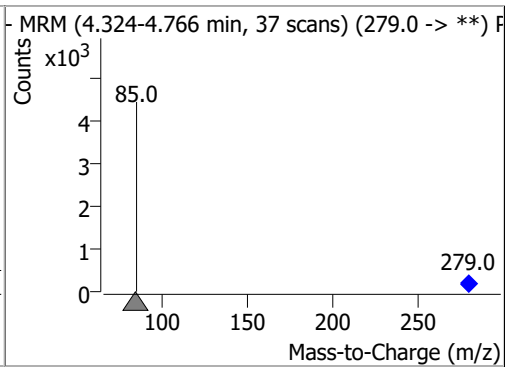




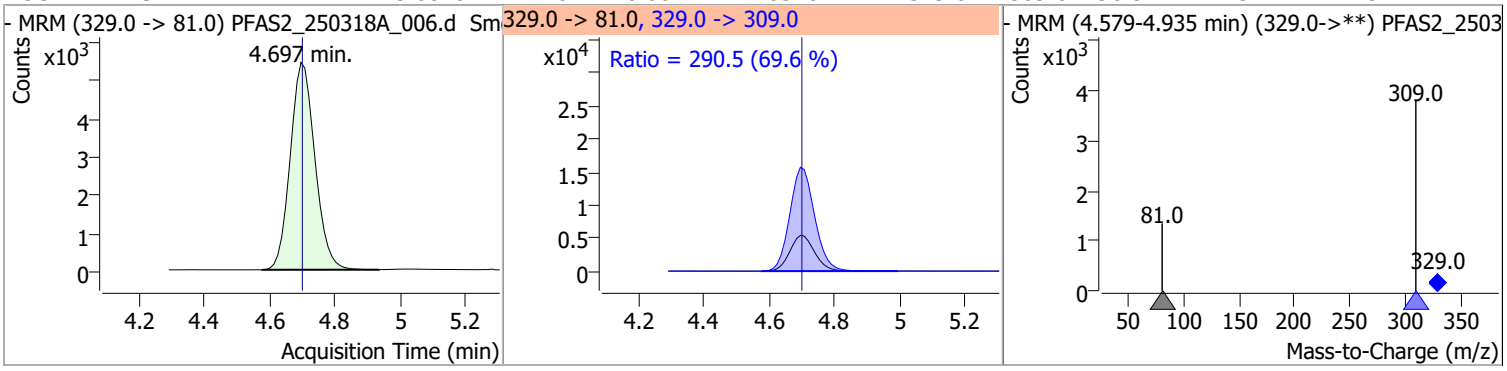
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	4.1763	4.47	0.01	120184				



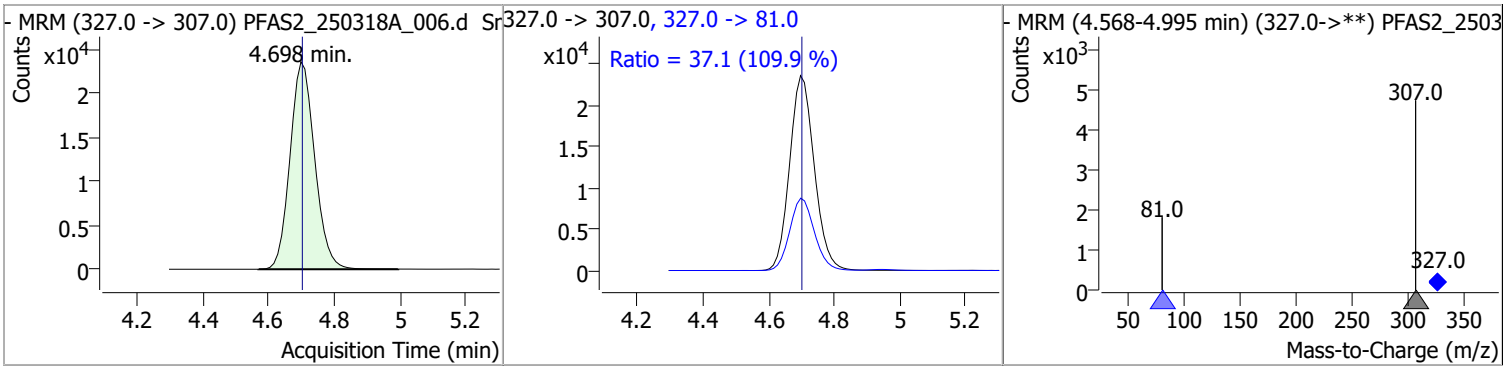




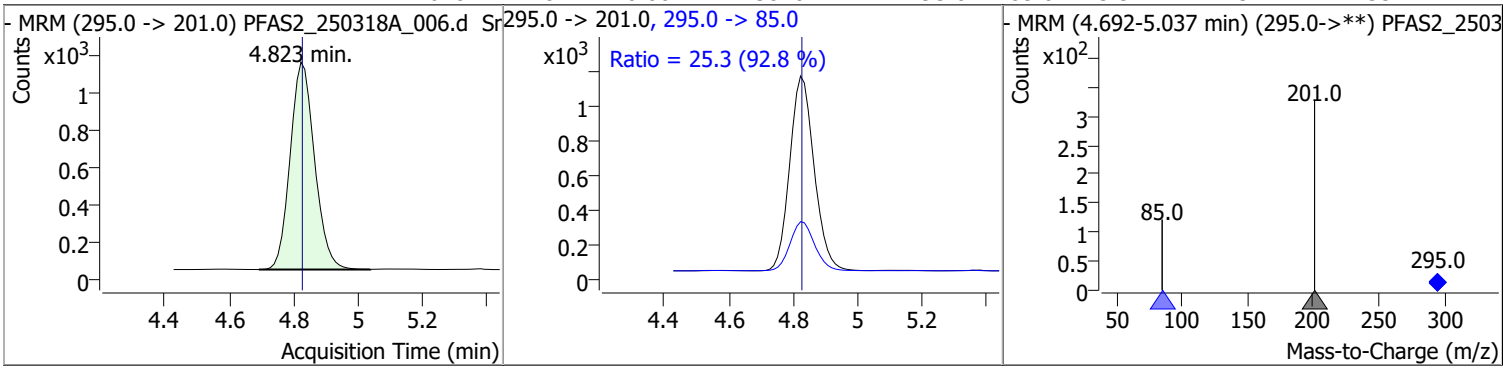
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.6020	4.70	0.00	28376	329.0 -> 309.0	290.5	292.1	542.4



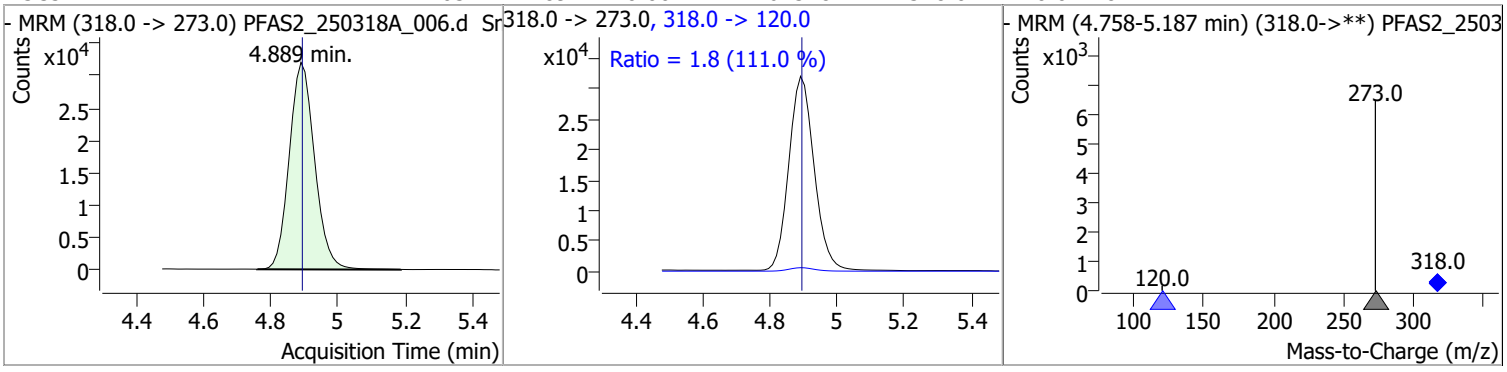
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	7.1632	4.70	0.00	123537	327.0 -> 81.0	37.1	23.6	43.9



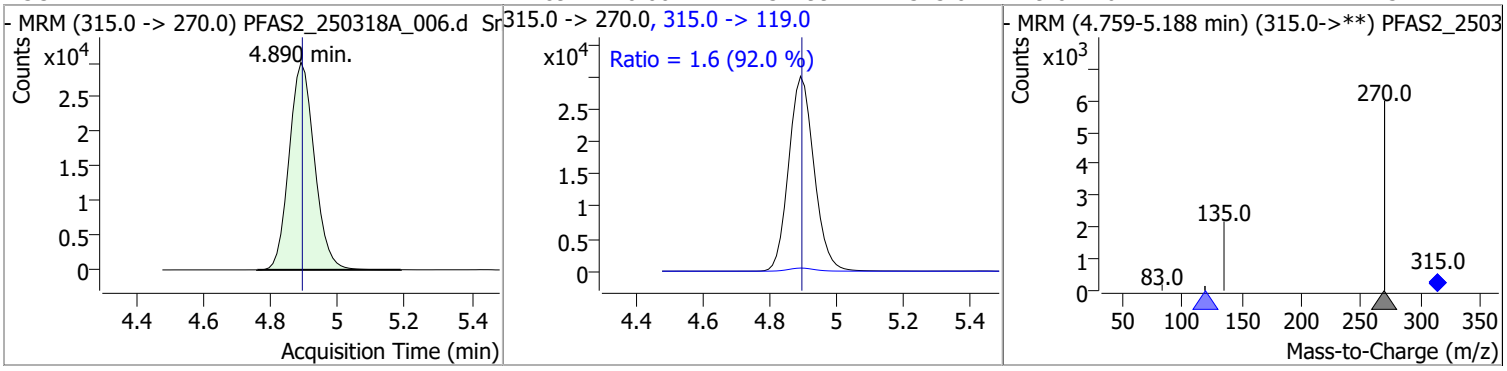
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	4.7648	4.82	0.00	5870	295.0 -> 85.0	25.3	19.1	35.4



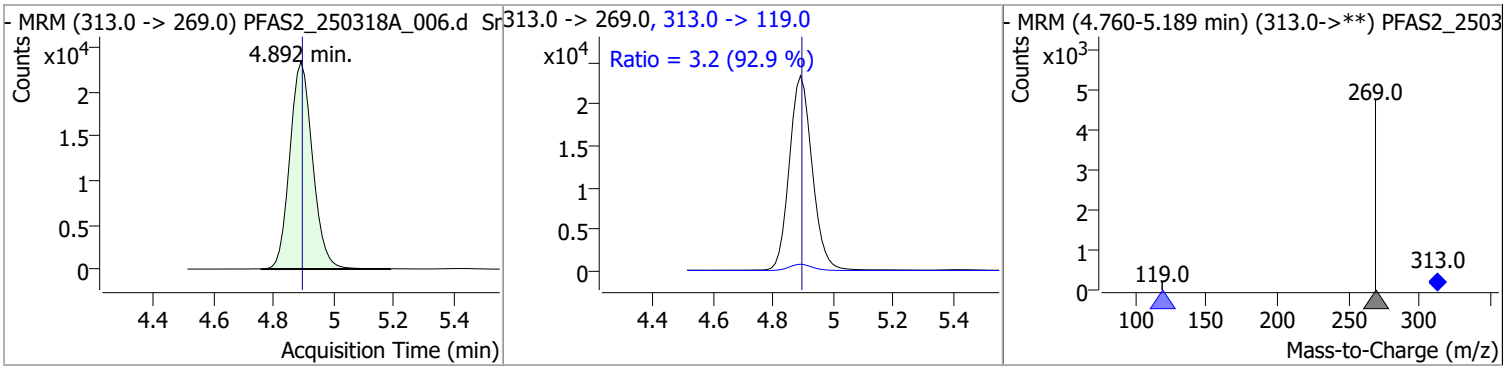
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4203	4.89	0.00	167518	318.0 -> 120.0	1.8	1.1	2.1



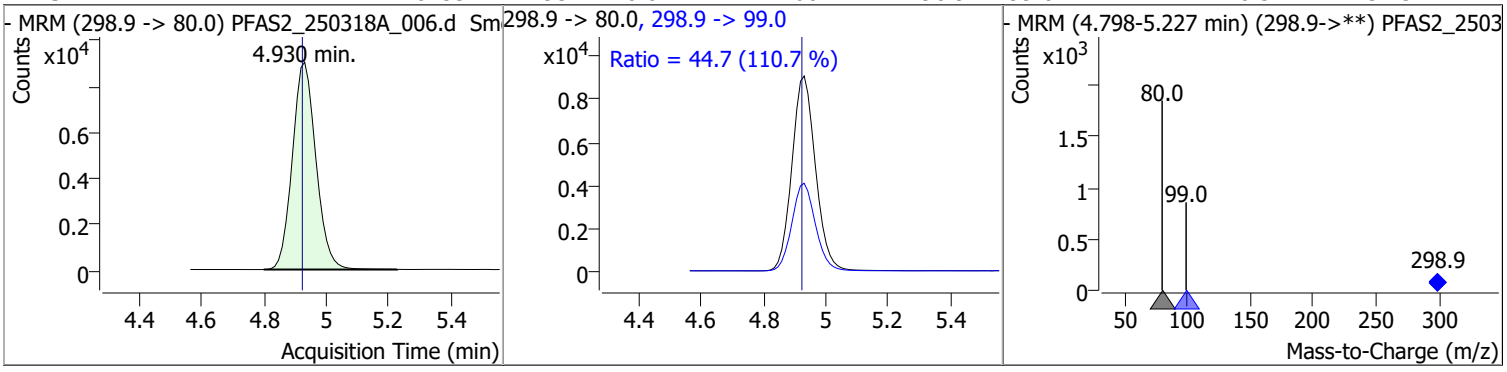
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	157199	315.0 -> 119.0	1.6	1.2	2.3



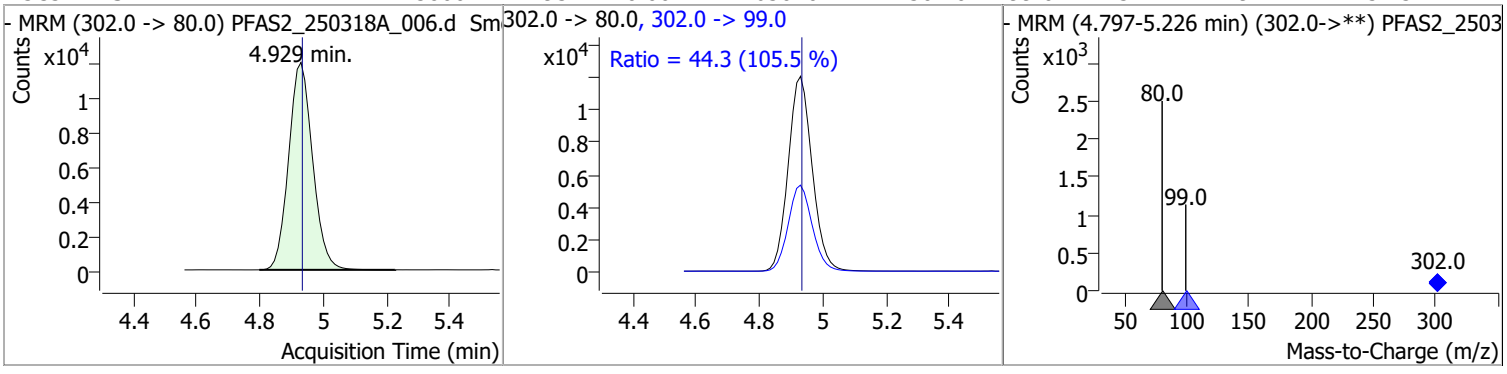
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	2.0472	4.89	0.00	122716	313.0 -> 119.0	3.2	2.4	4.5



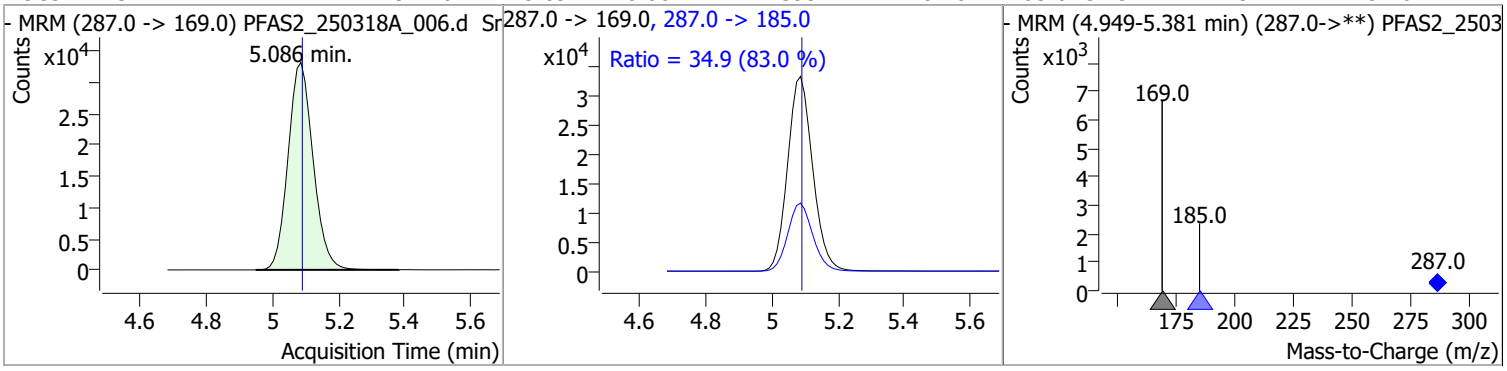
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	1.8153	4.93	0.01	47460	298.9 -> 99.0	44.7	28.3	52.5



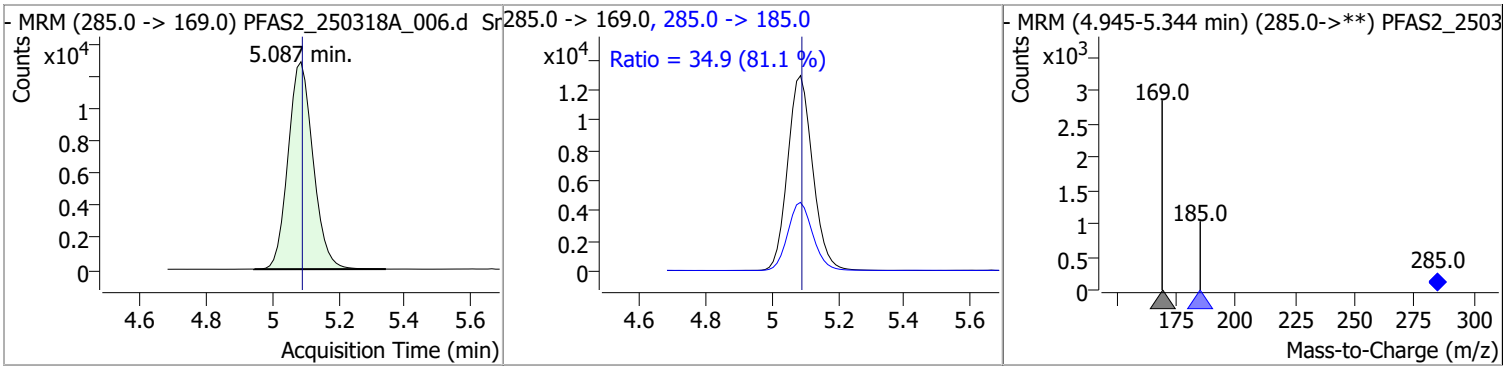
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5800	4.93	0.00	63010	302.0 -> 99.0	44.3	29.4	54.5



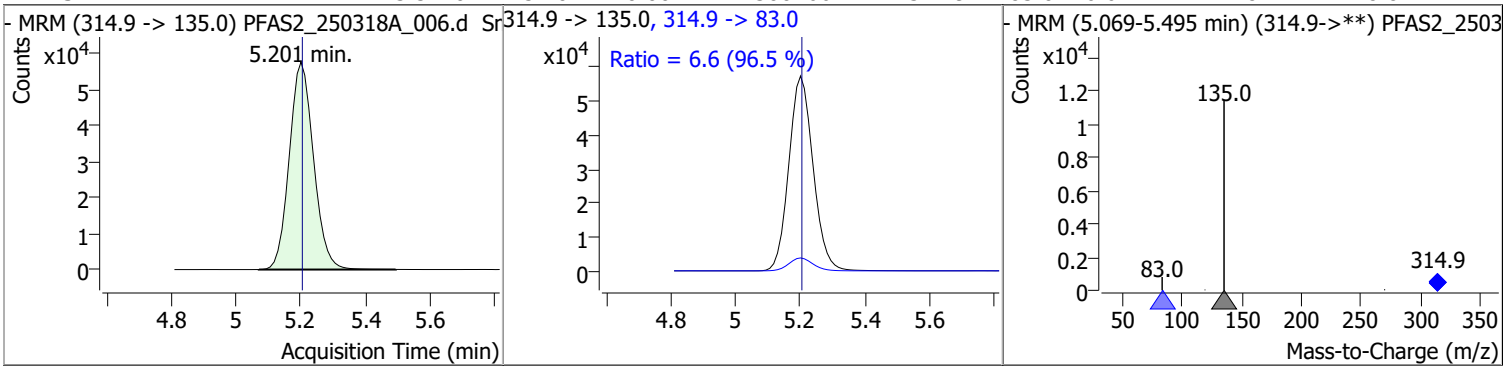
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7161	5.09	0.00	173994	287.0 -> 185.0	34.9	29.4	54.6



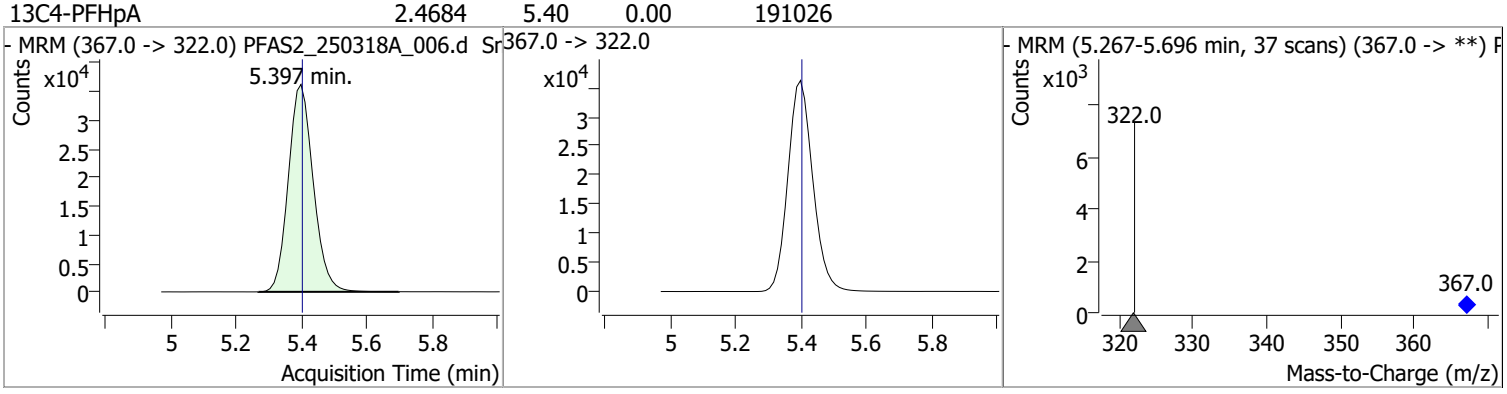
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	4.3750	5.09	0.00	67537	285.0 -> 185.0	34.9	30.1	56.0



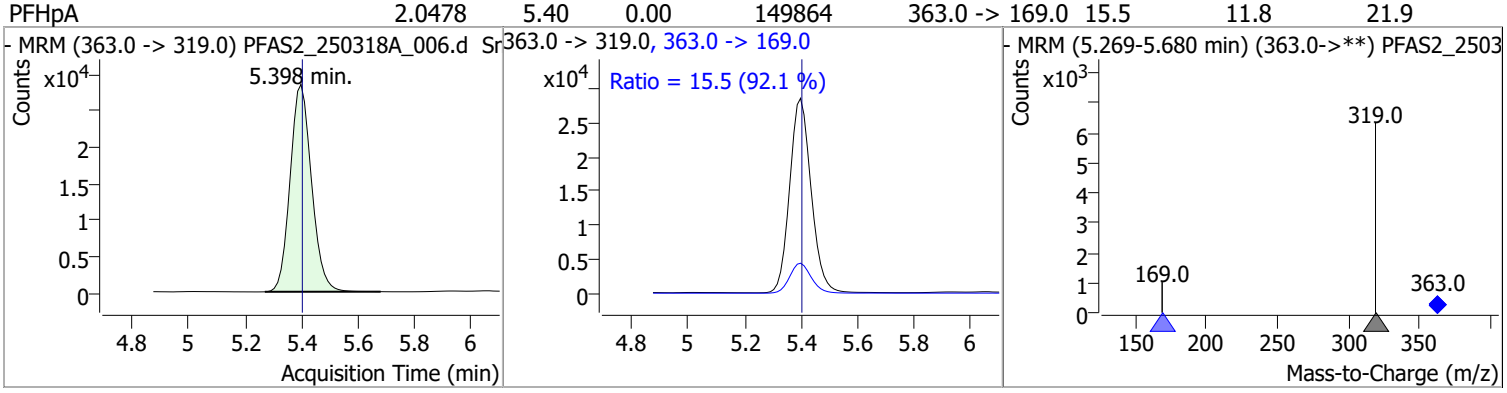
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	3.5720	5.20	0.00	300166	314.9 -> 83.0	6.6	4.8	8.8



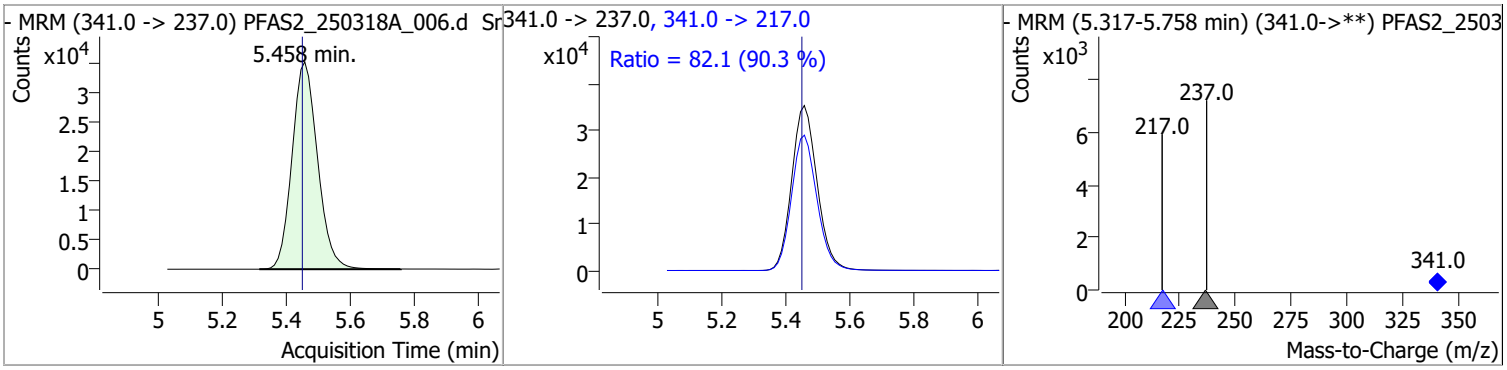
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4684	5.40	0.00	191026				



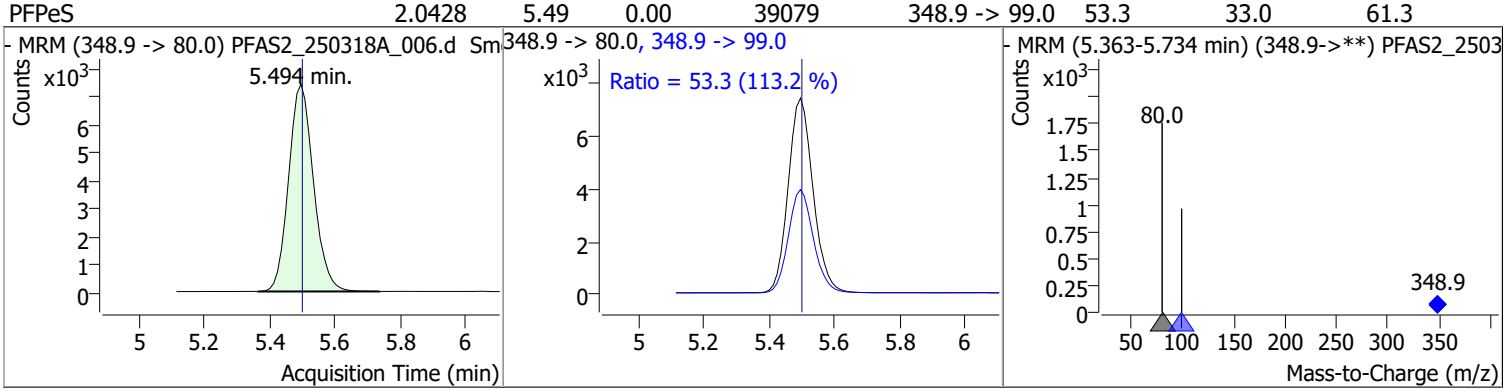
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	2.0478	5.40	0.00	149864	363.0 -> 169.0	15.5	11.8	21.9



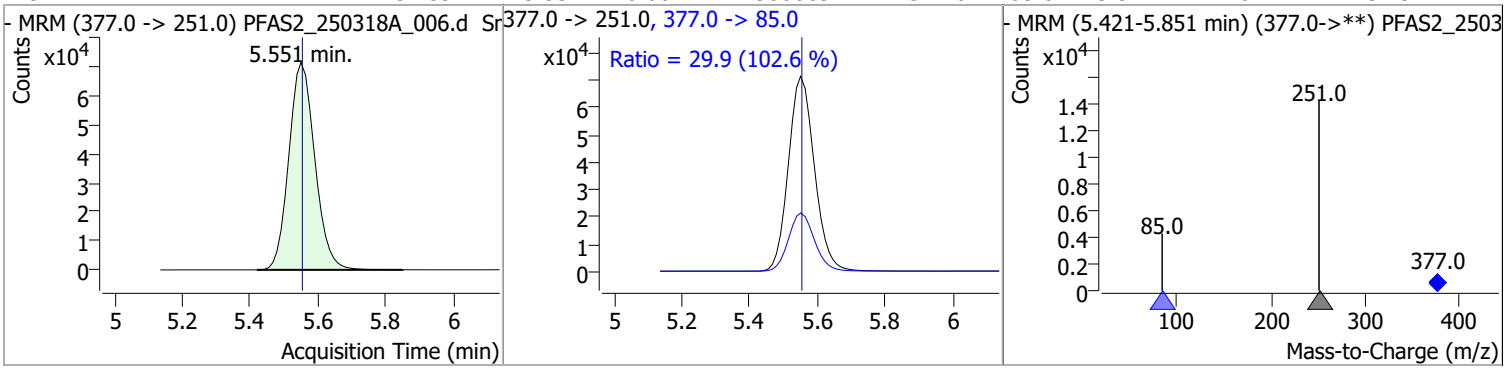
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	41.9437	5.46	0.01	194561	341.0 -> 217.0	82.1	63.6	118.1



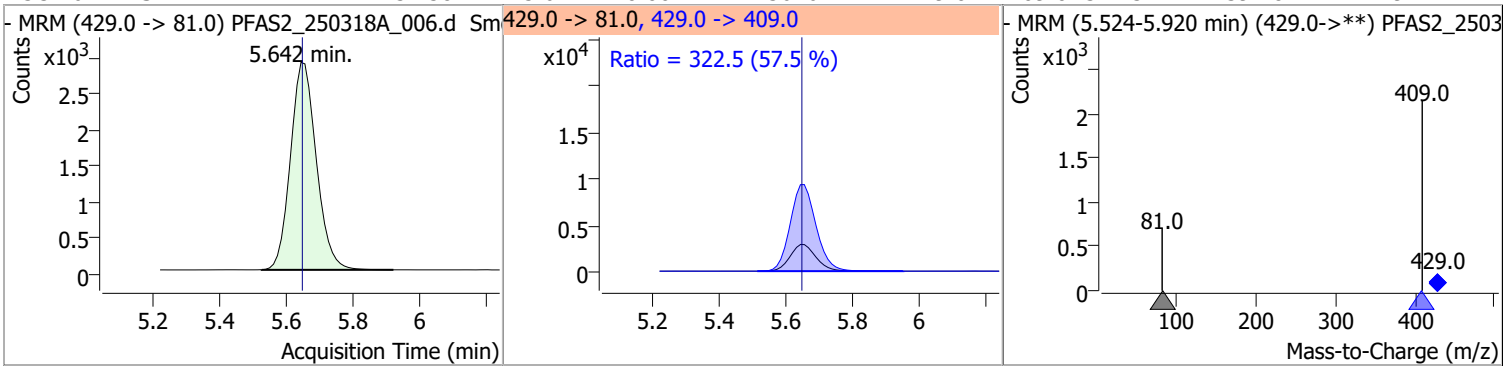
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	2.0428	5.49	0.00	39079	348.9 -> 99.0	53.3	33.0	61.3



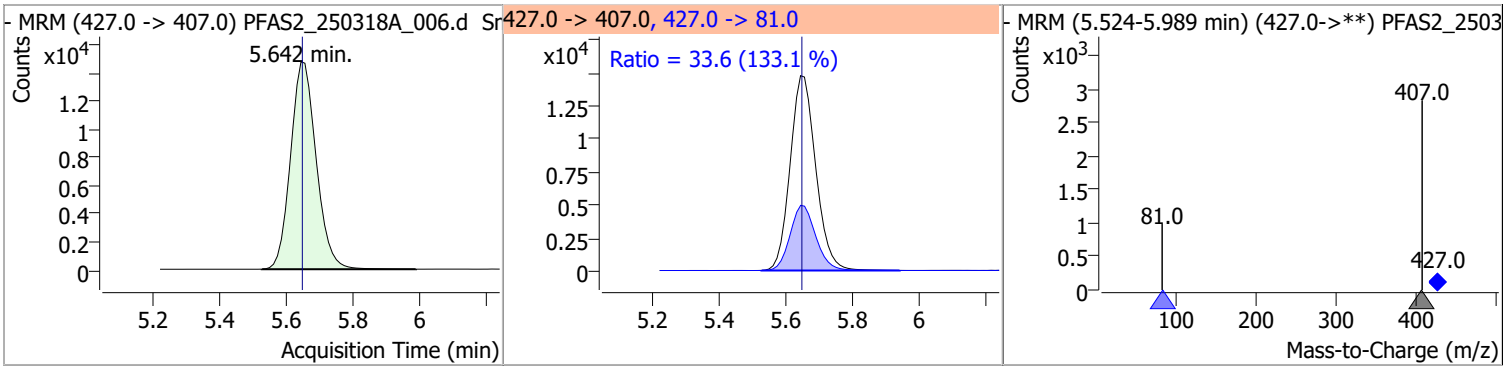
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	3.7594	5.55	0.00	380089	377.0 -> 85.0	29.9	20.4	37.9



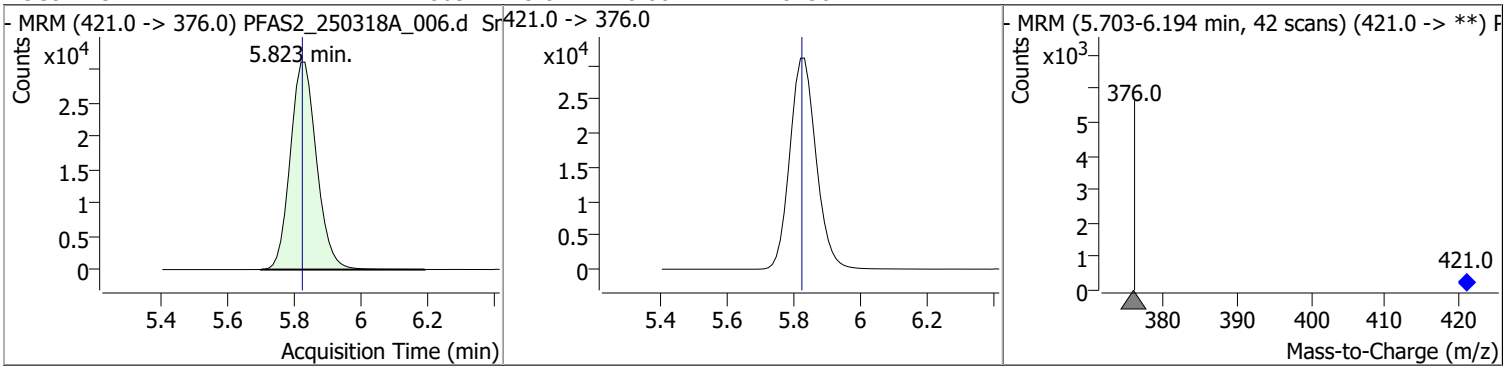
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2582	5.64	0.00	15616	429.0 -> 409.0	322.5	392.8	729.4



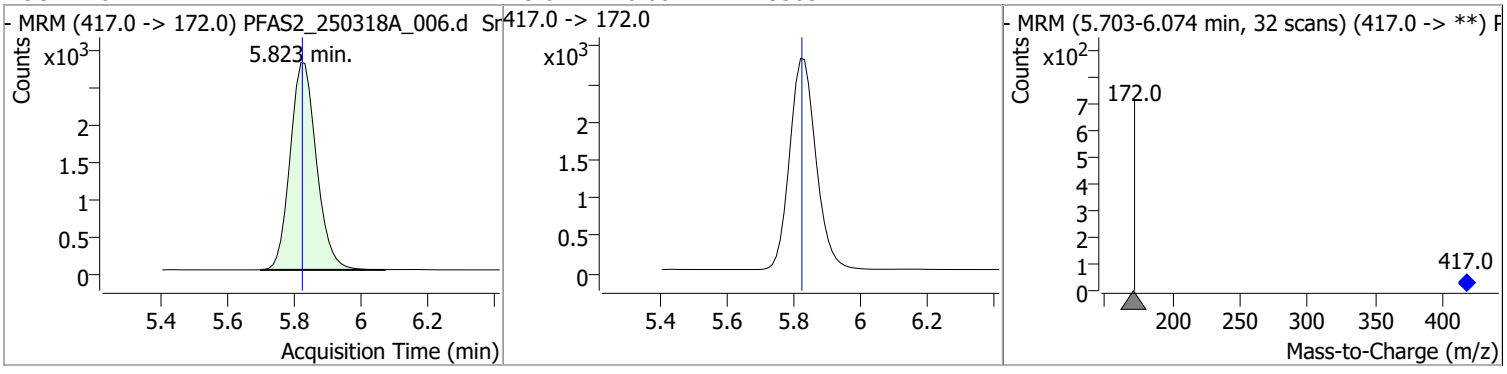
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	7.2757	5.64	0.00	78931	427.0 -> 81.0	33.6	17.7	32.8



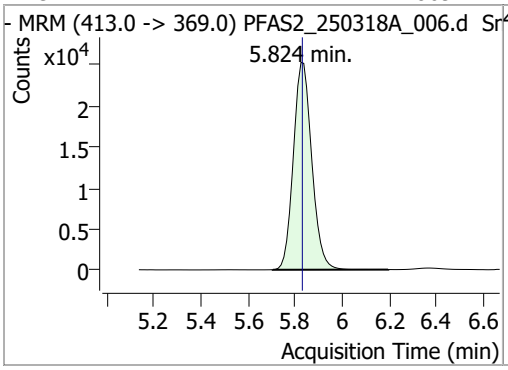
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4863	5.82	0.00	170150				

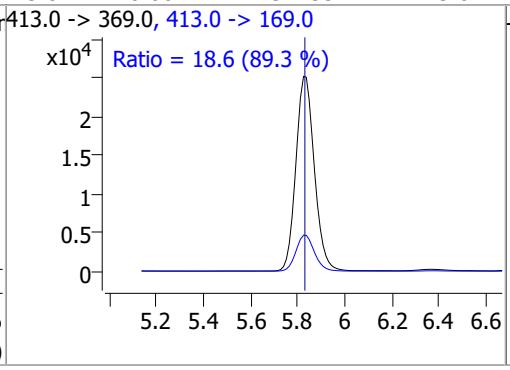


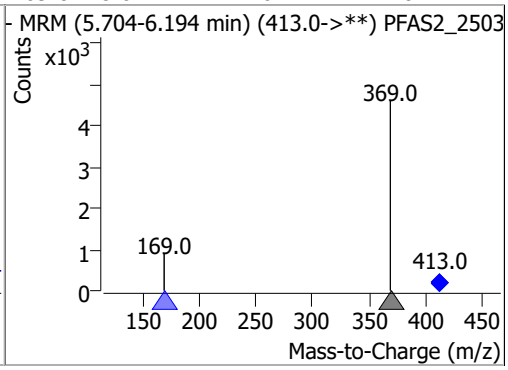
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15303				



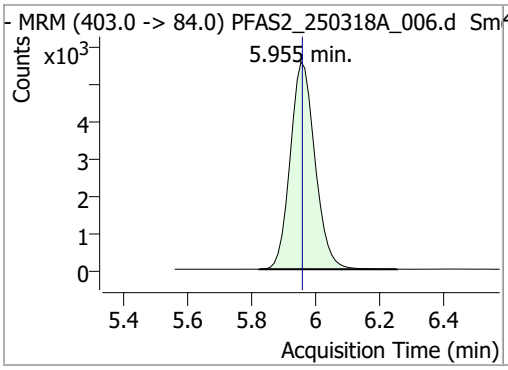
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	2.0697	5.82	0.00	137255	413.0 -> 169.0	18.6	14.6	27.0

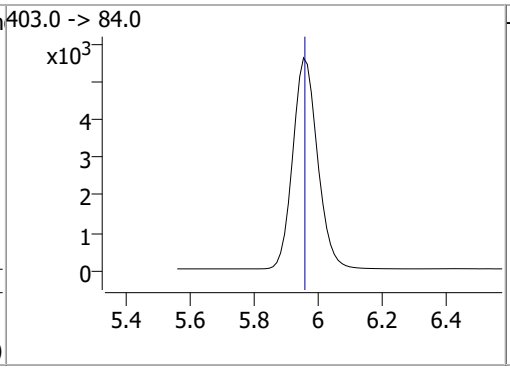


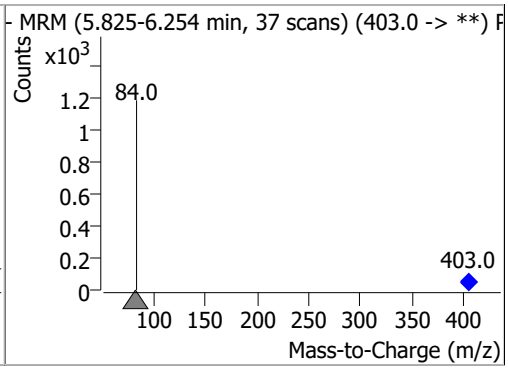




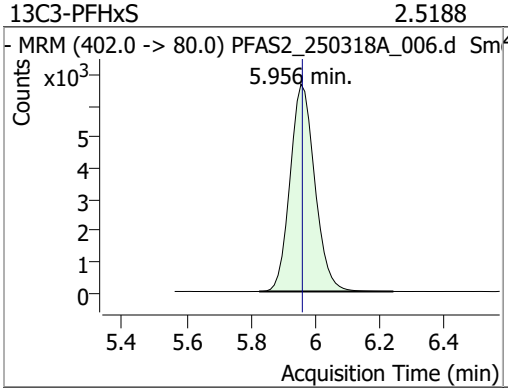
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29823				

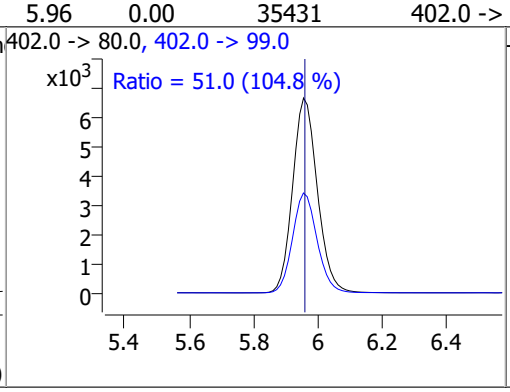


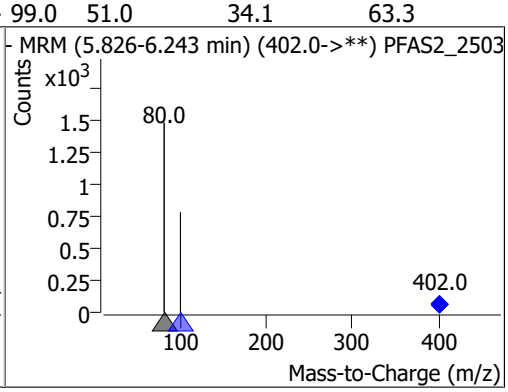




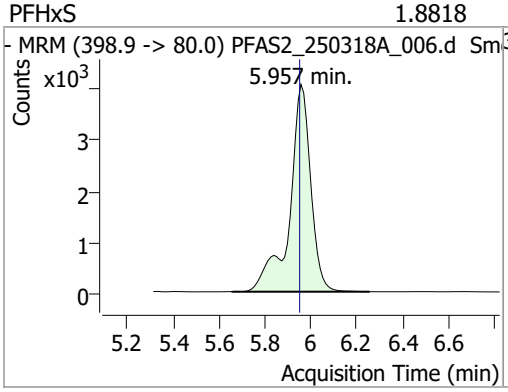
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5188	5.96	0.00	35431	402.0 -> 99.0	51.0	34.1	63.3

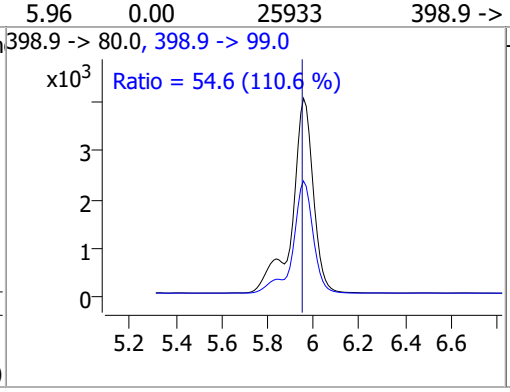


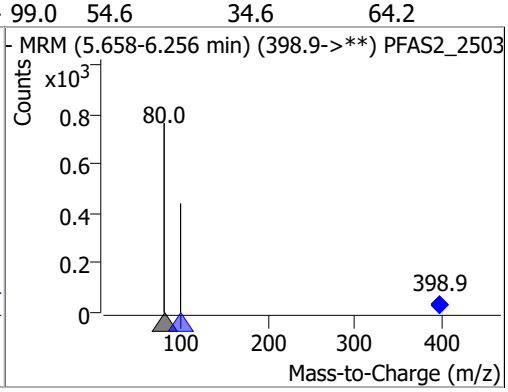




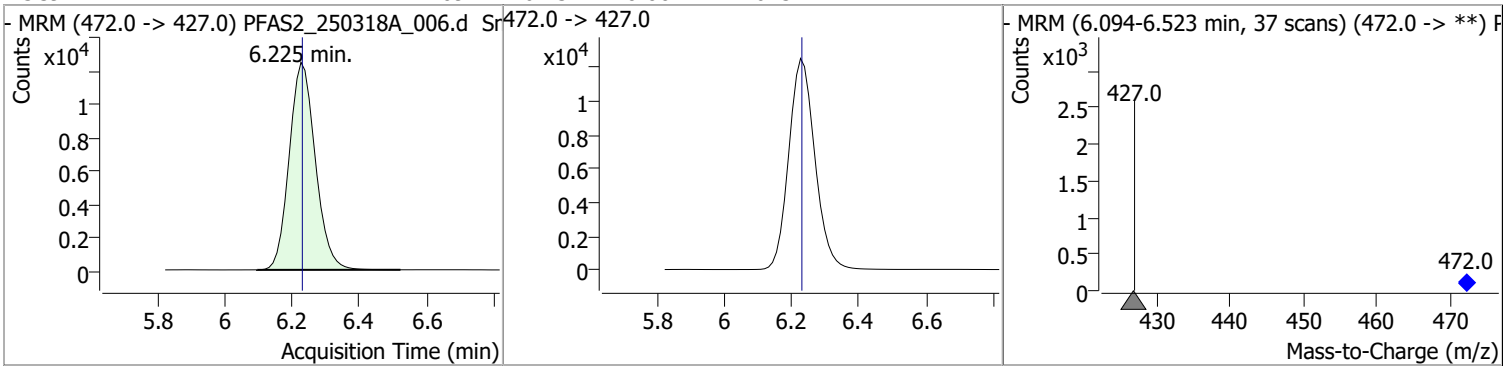
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	1.8818	5.96	0.00	25933	398.9 -> 99.0	54.6	34.6	64.2



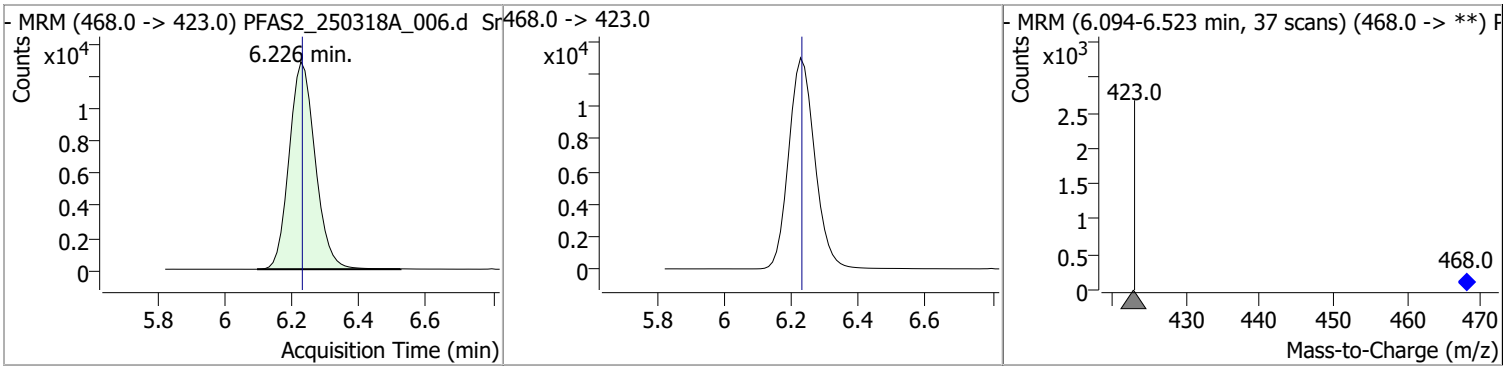




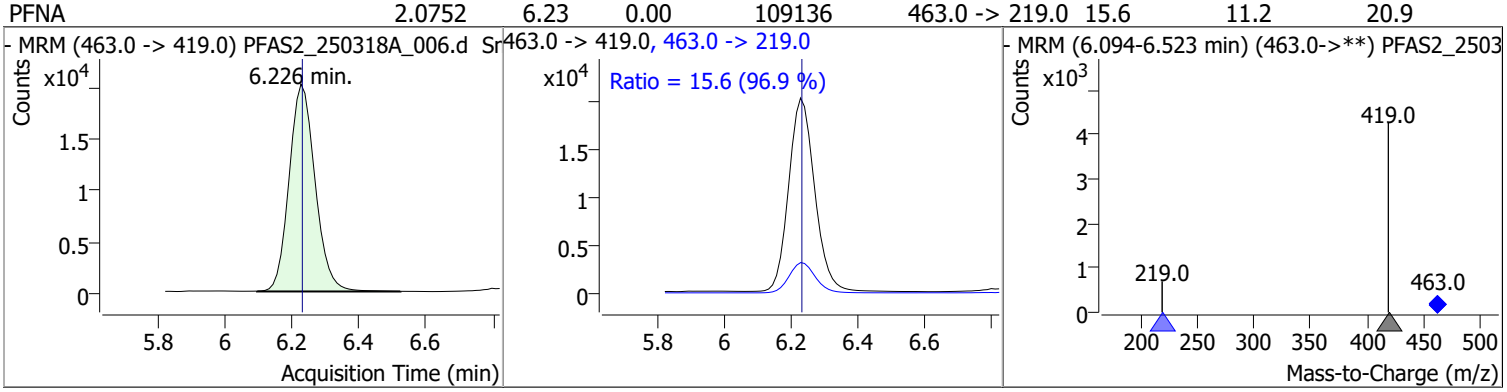
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2209	6.23	0.00	67577				



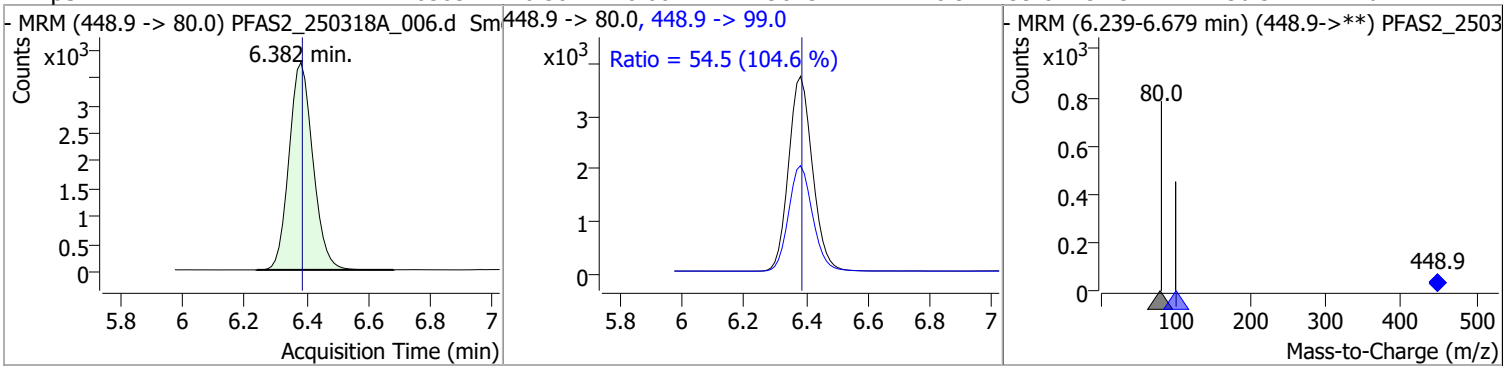
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	69849				



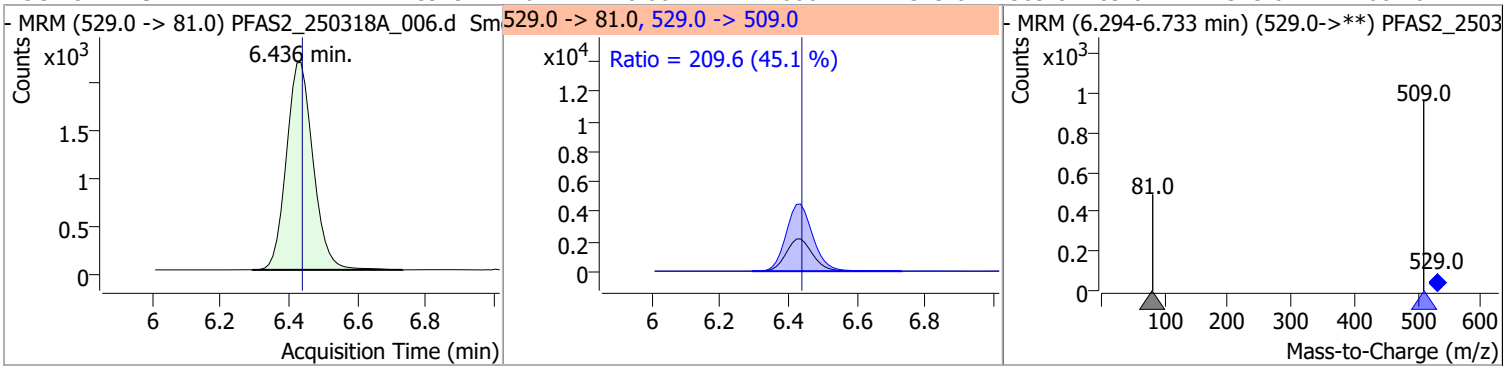
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	2.0752	6.23	0.00	109136	463.0 -> 219.0	15.6	11.2	20.9



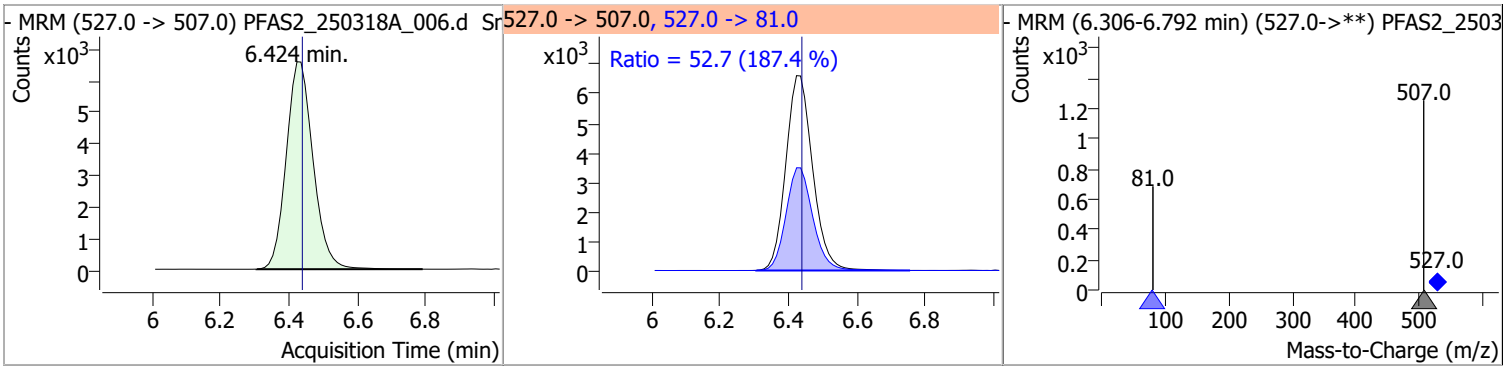
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	1.8385	6.38	0.00	19813	448.9 -> 99.0	54.5	36.5	67.7



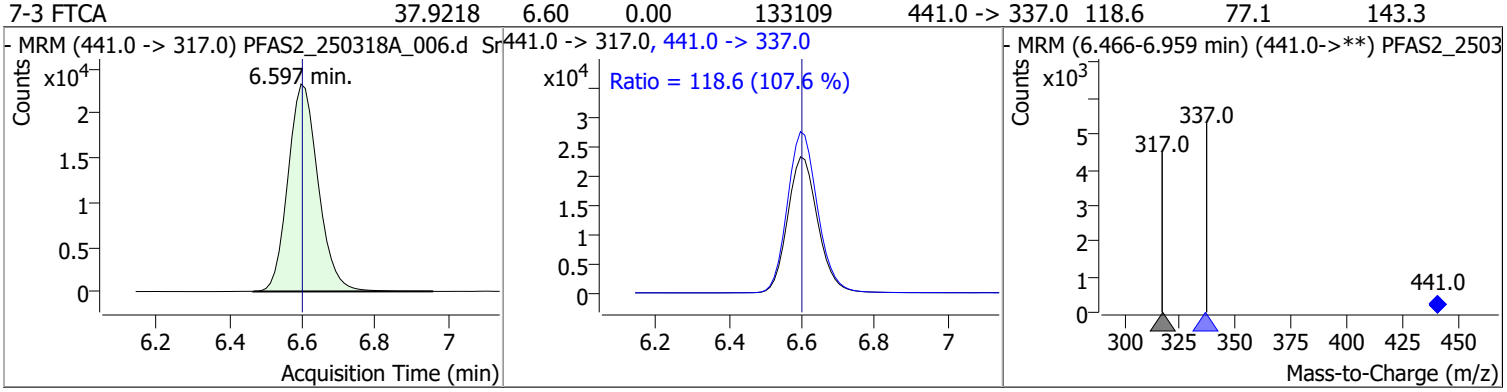
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8949	6.44	0.00	11688	529.0 -> 509.0	209.6	325.6	604.6



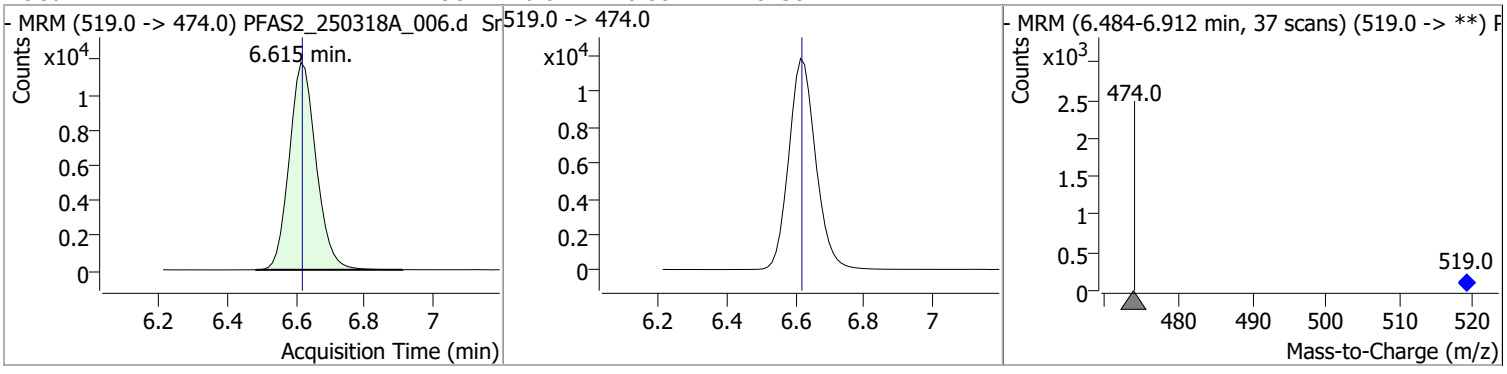
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	6.7935	6.42	-0.01	35662	527.0 -> 81.0	52.7	19.7	36.6



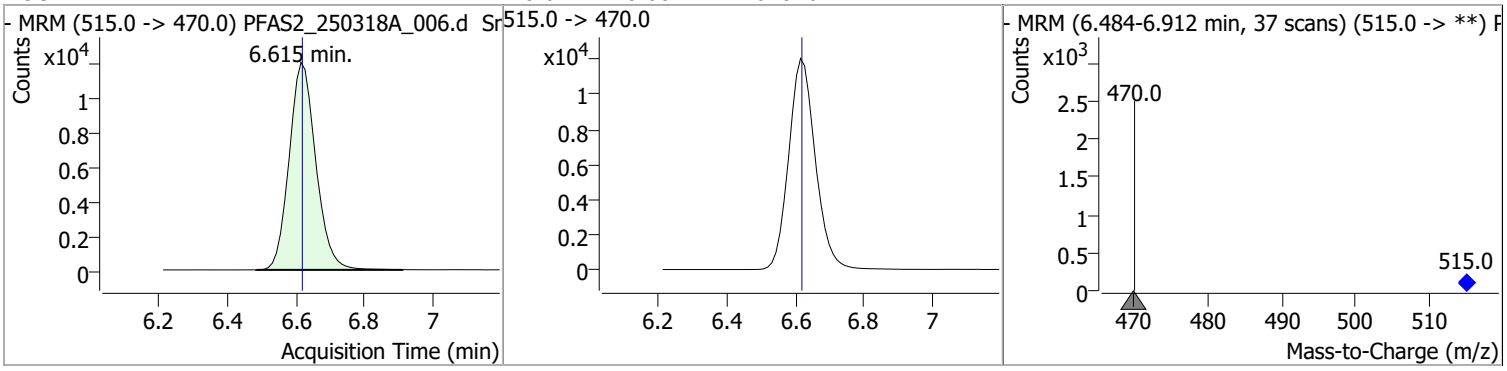
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	37.9218	6.60	0.00	133109	441.0 -> 337.0	118.6	77.1	143.3



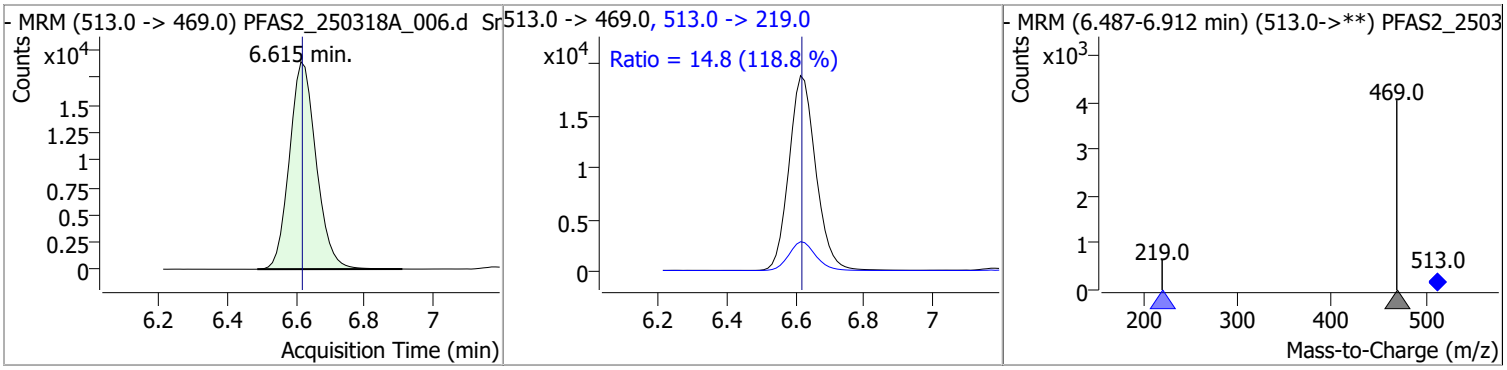
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2190	6.61	0.00	64304				



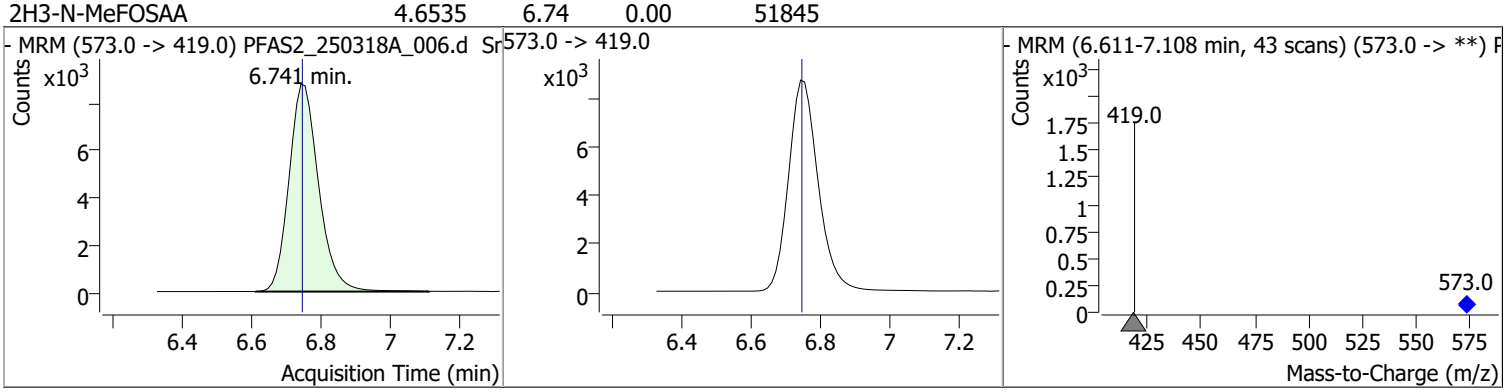
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	64826				



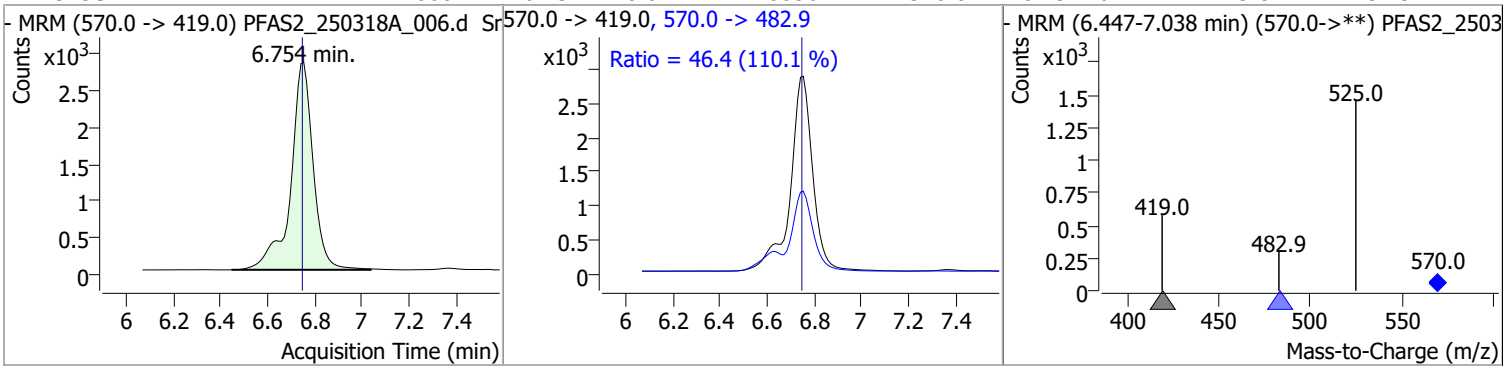
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	2.1669	6.62	0.00	102283	513.0 -> 219.0	14.8	8.7	16.2



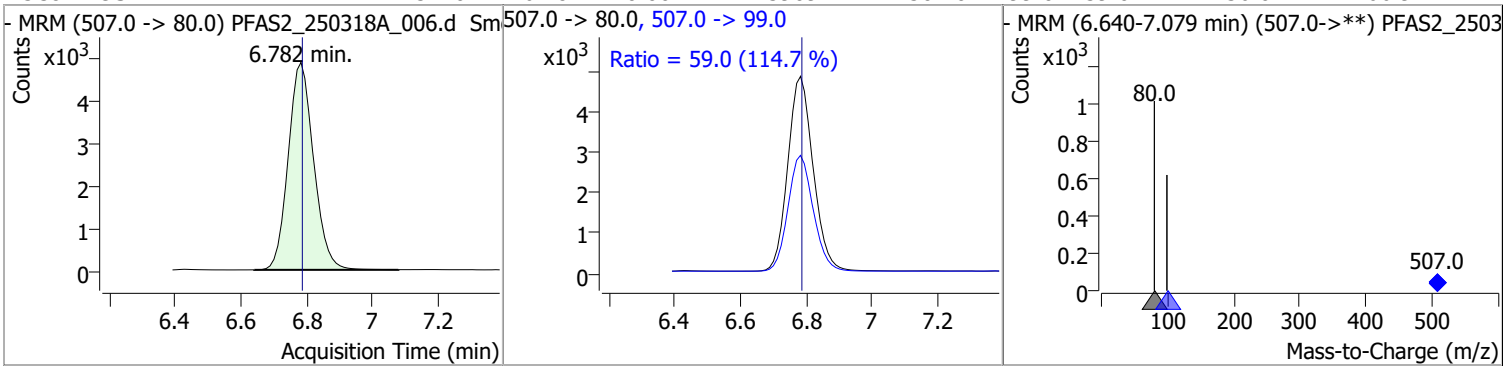
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6535	6.74	0.00	51845				



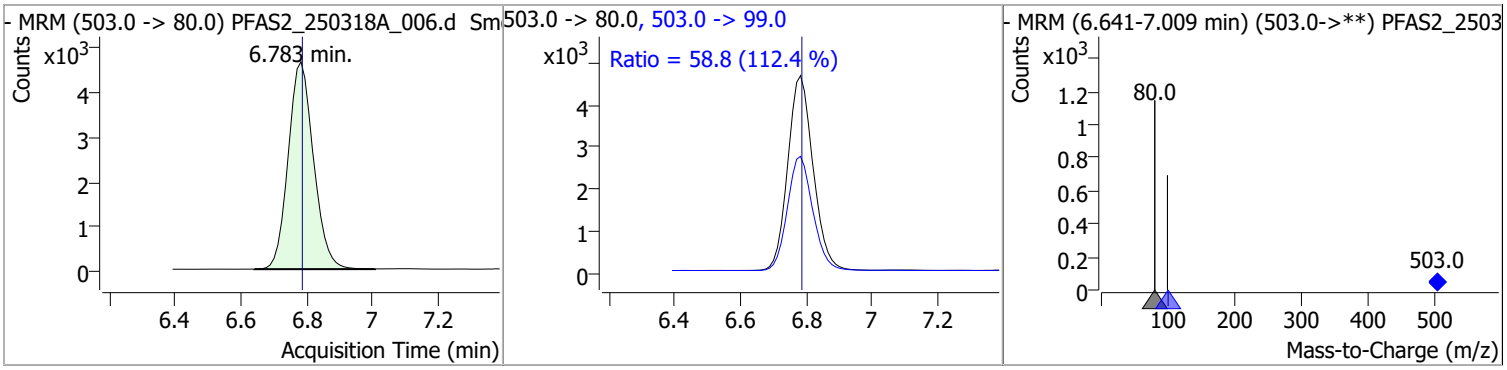
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	2.0604	6.75	0.01	18836	570.0 -> 482.9	46.4	29.5	54.9



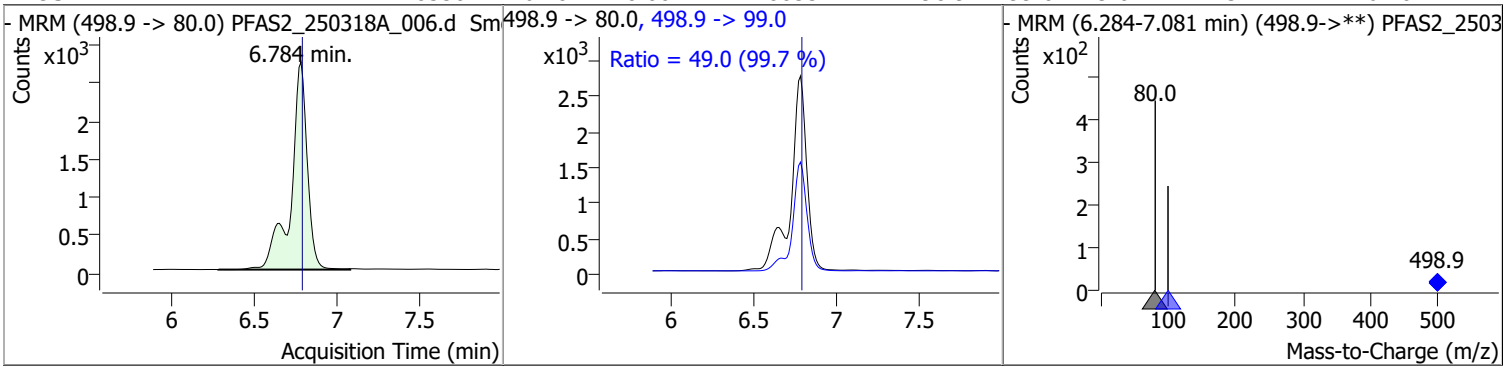
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5710	6.78	0.00	25909	507.0 -> 99.0	59.0	36.0	66.9



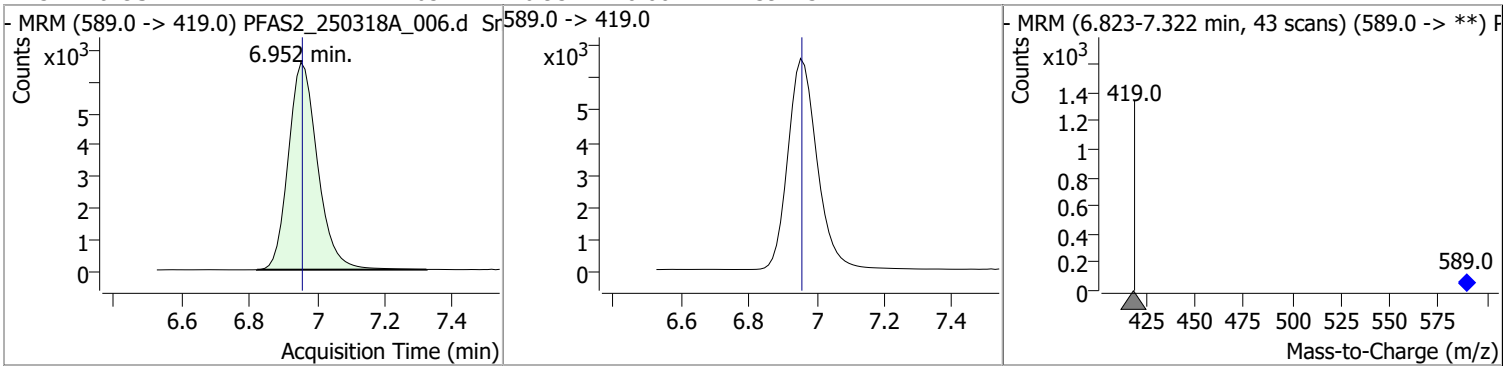
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	24830	503.0 -> 99.0	58.8	36.6	67.9



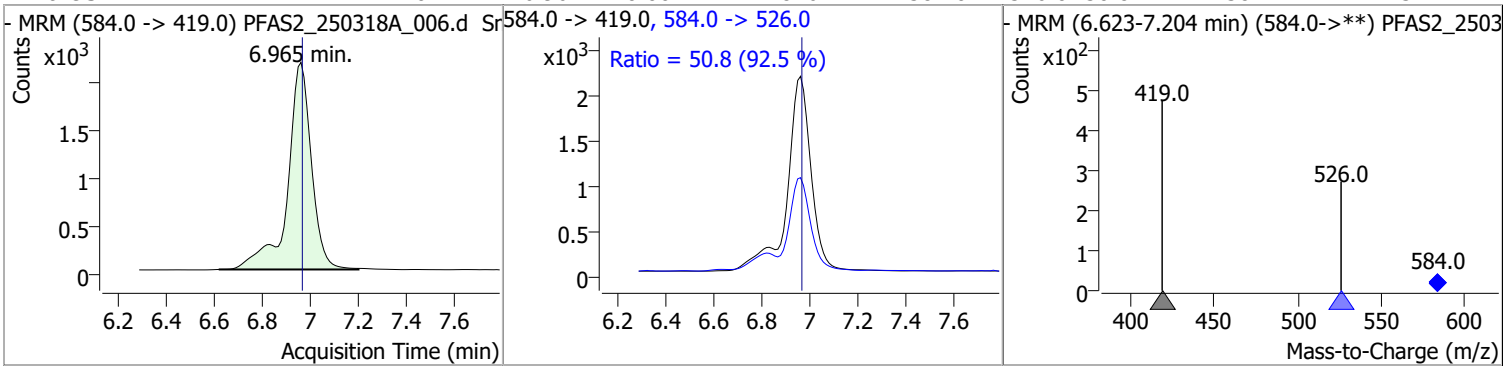
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	1.8350	6.78	0.00	18835	498.9 -> 99.0	49.0	34.4	64.0



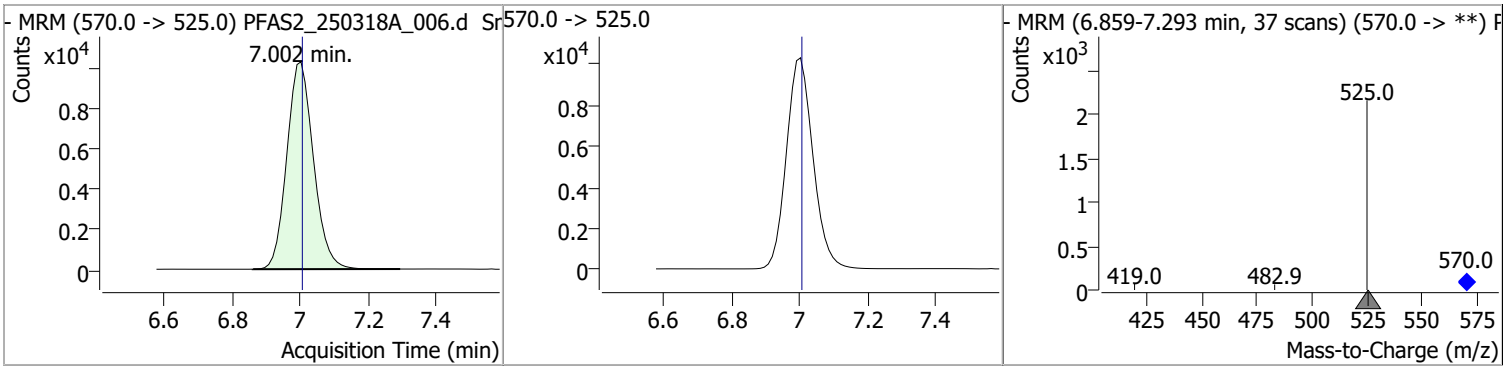
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6572	6.95	0.00	39173				



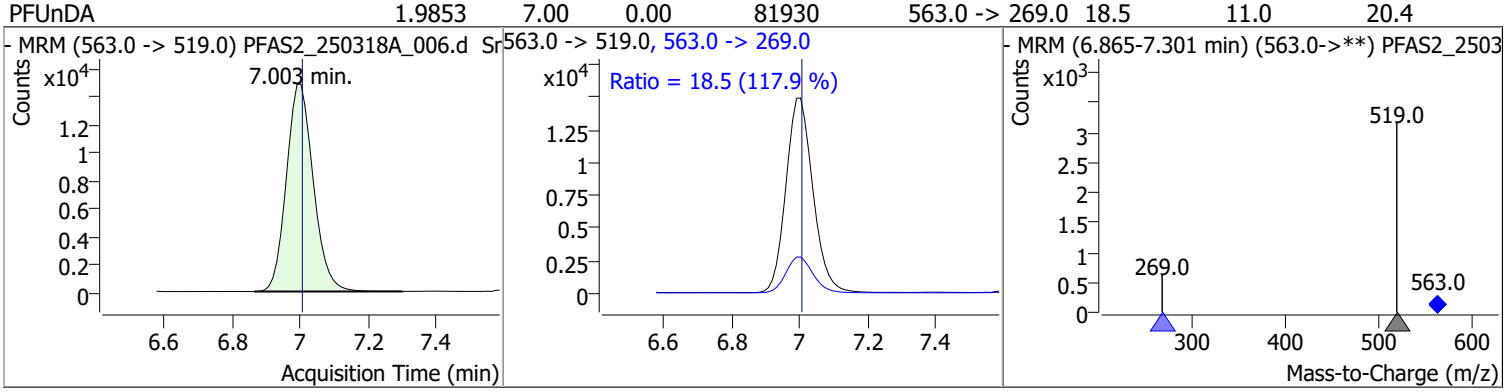
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	2.0177	6.96	0.00	14876	584.0 -> 526.0	50.8	38.4	71.3



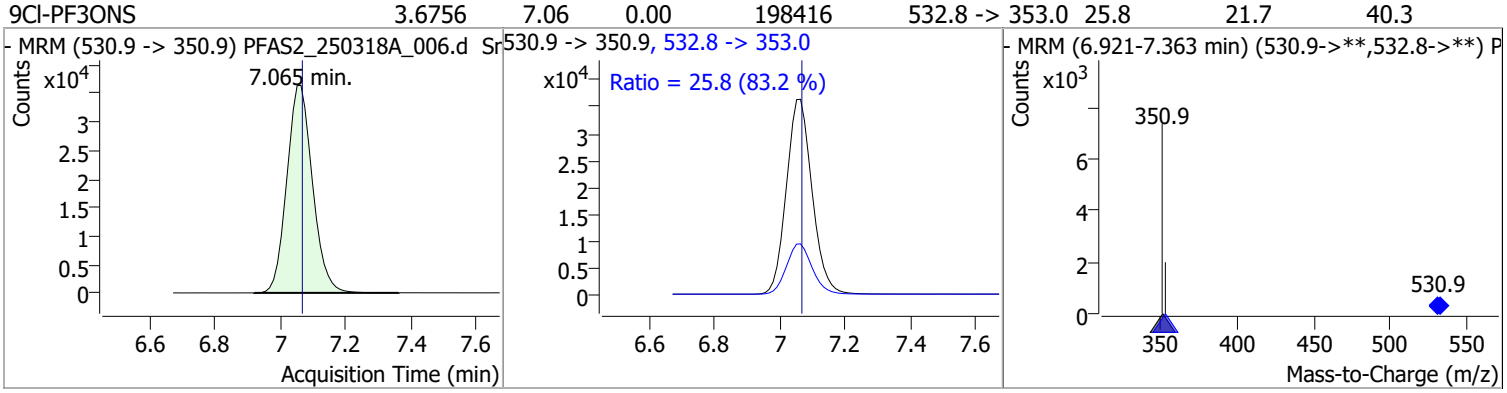
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3416	7.00	0.00	55776				



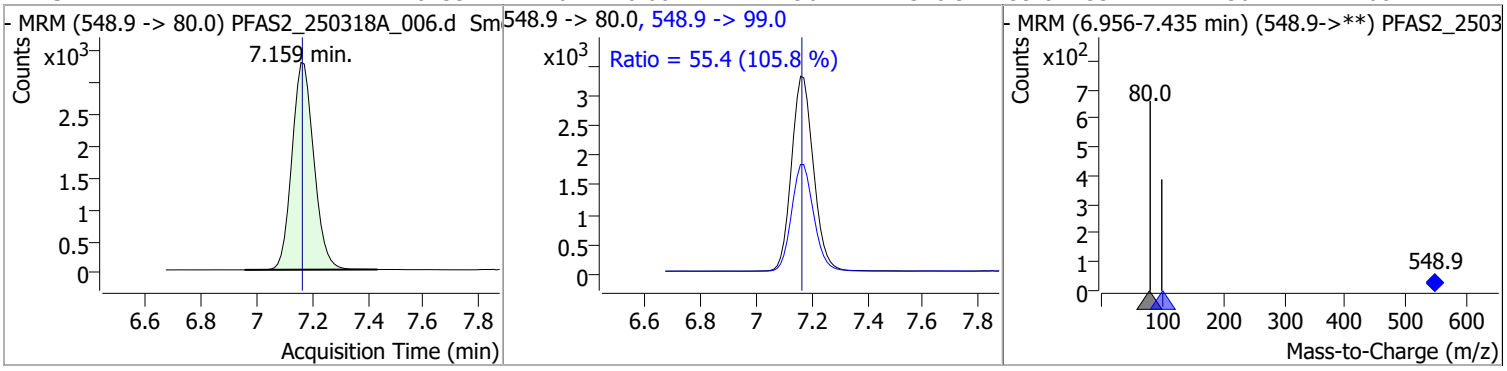
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	1.9853	7.00	0.00	81930	563.0 -> 269.0	18.5	11.0	20.4



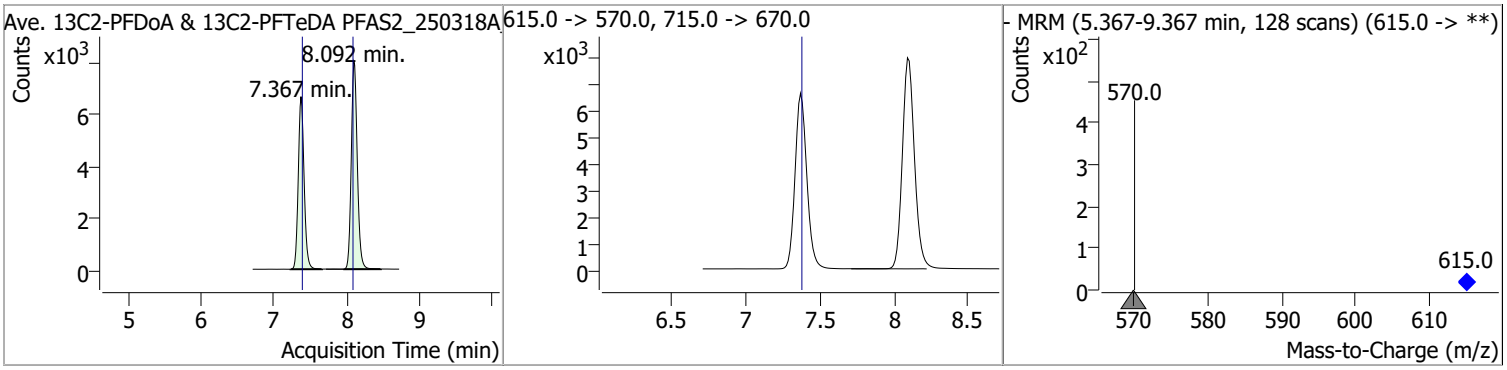
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	3.6756	7.06	0.00	198416	532.8 -> 353.0	25.8	21.7	40.3



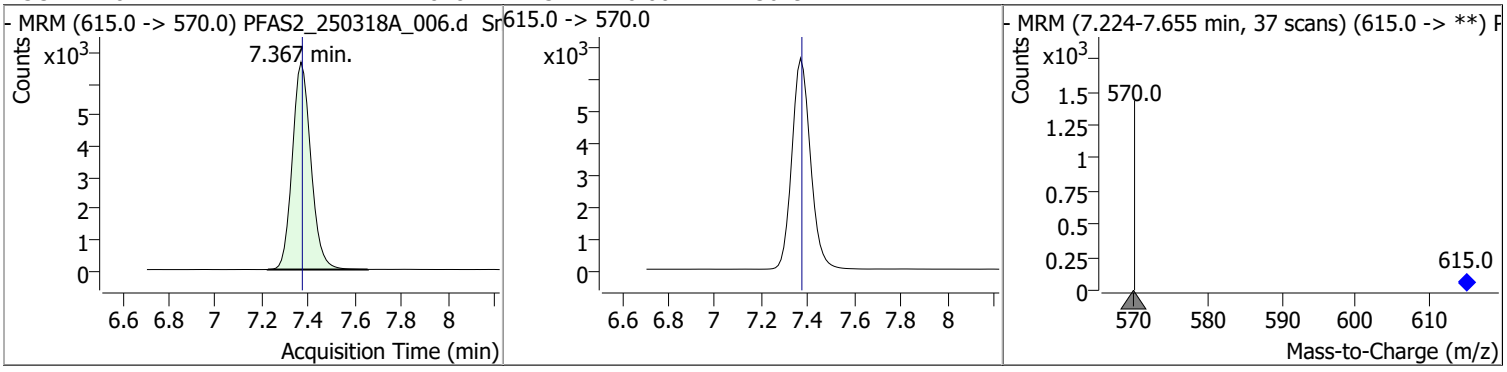
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	2.0135	7.16	0.00	17796	548.9 -> 99.0	55.4	36.7	68.1



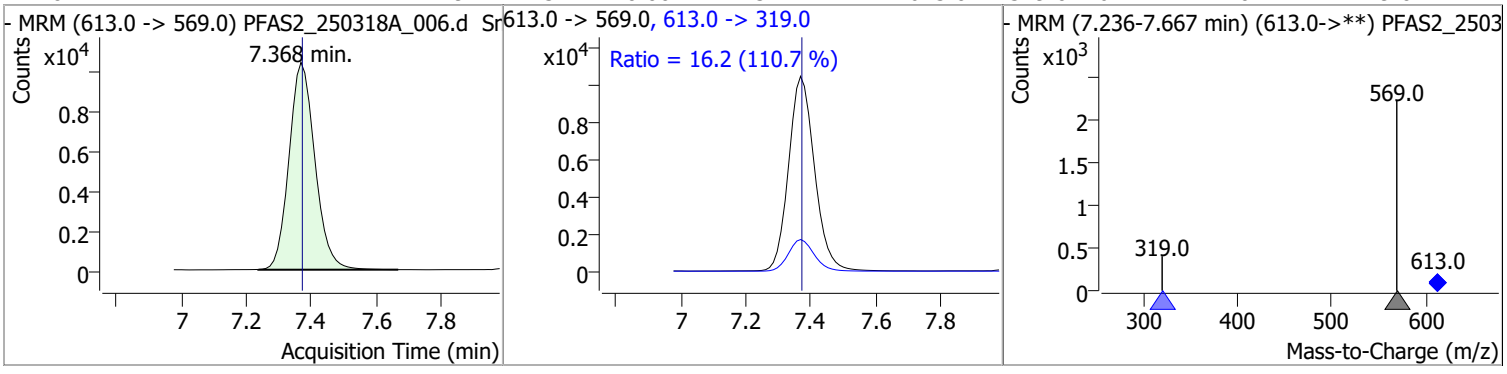
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2033	7.73	0.36	41232				



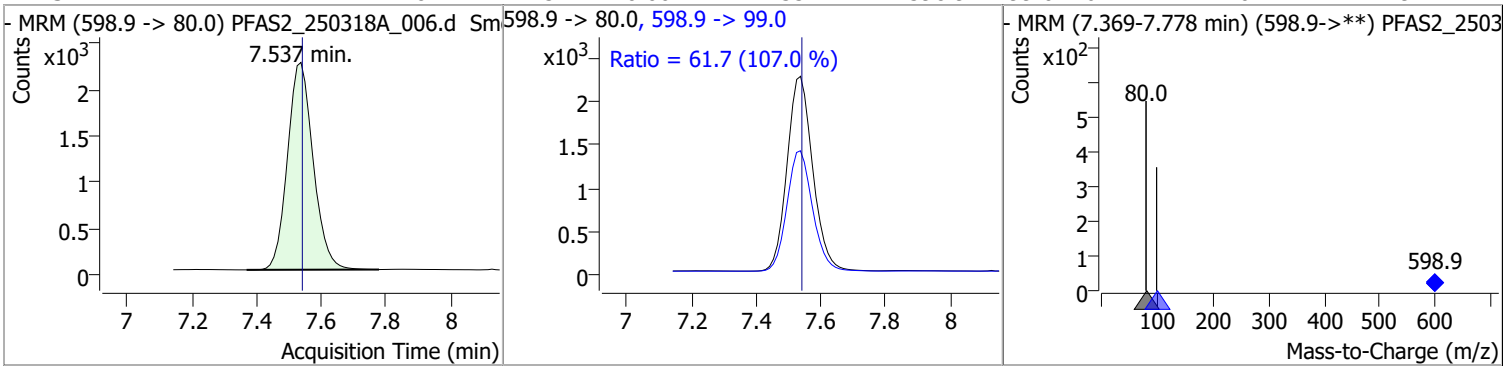
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1878	7.37	0.00	36792				



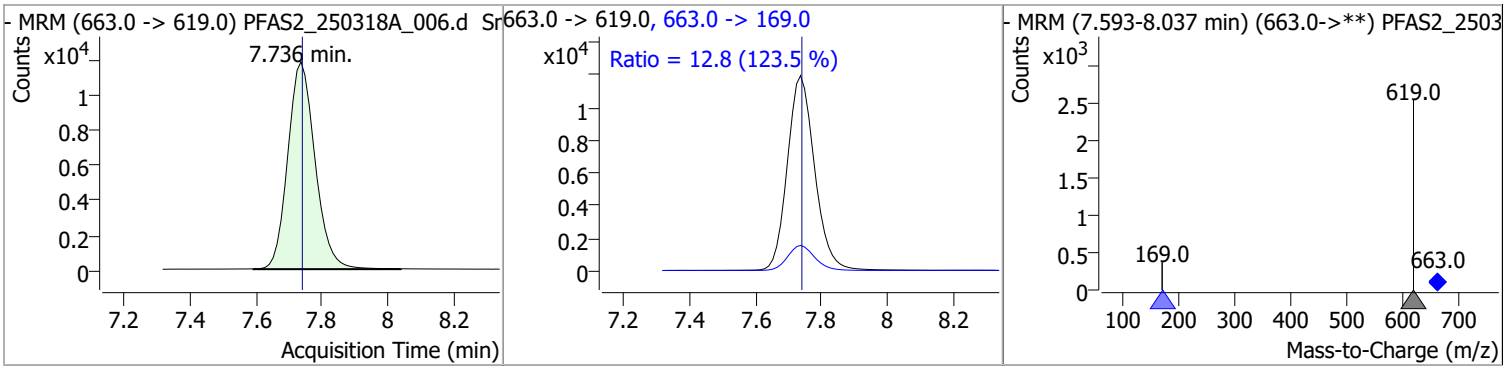
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	2.1419	7.37	0.00	57771	613.0 -> 319.0	16.2	10.2	19.0



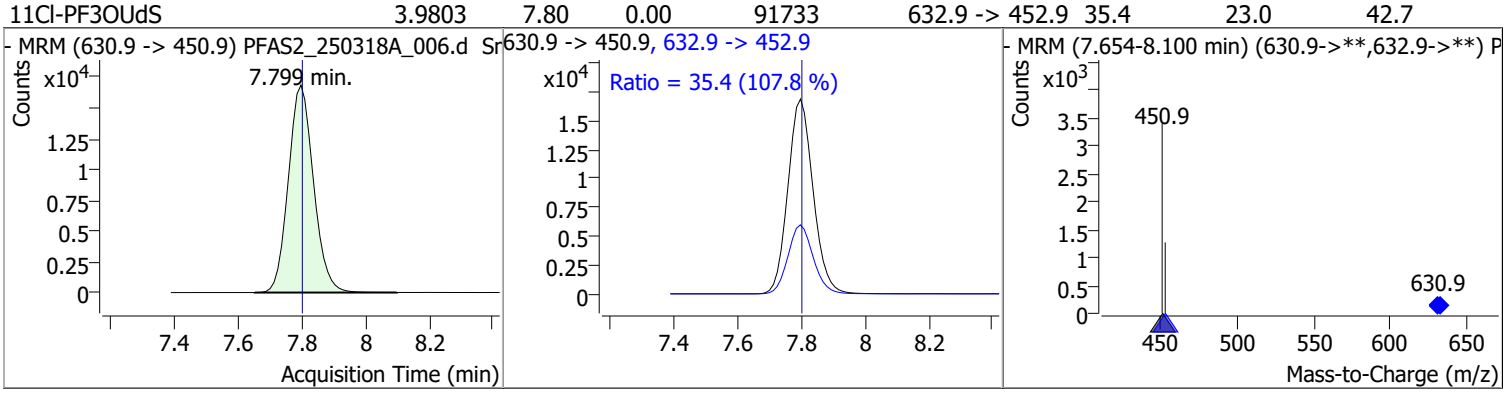
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.8712	7.54	0.00	12357	598.9 -> 99.0	61.7	40.4	74.9



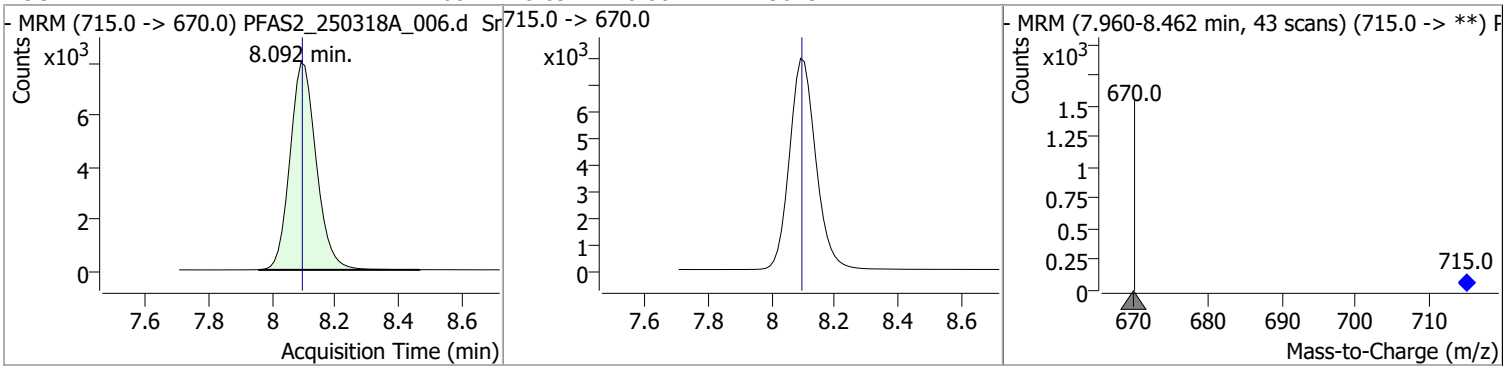
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	2.1896	7.74	0.00	68026	663.0 -> 169.0	12.8	7.2	13.4



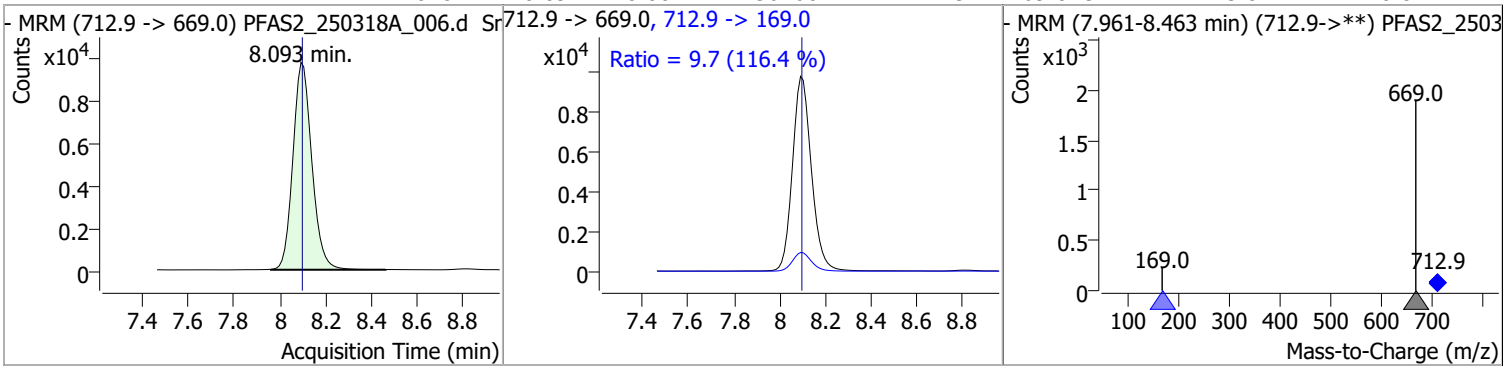
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	3.9803	7.80	0.00	91733	632.9 -> 452.9	35.4	23.0	42.7



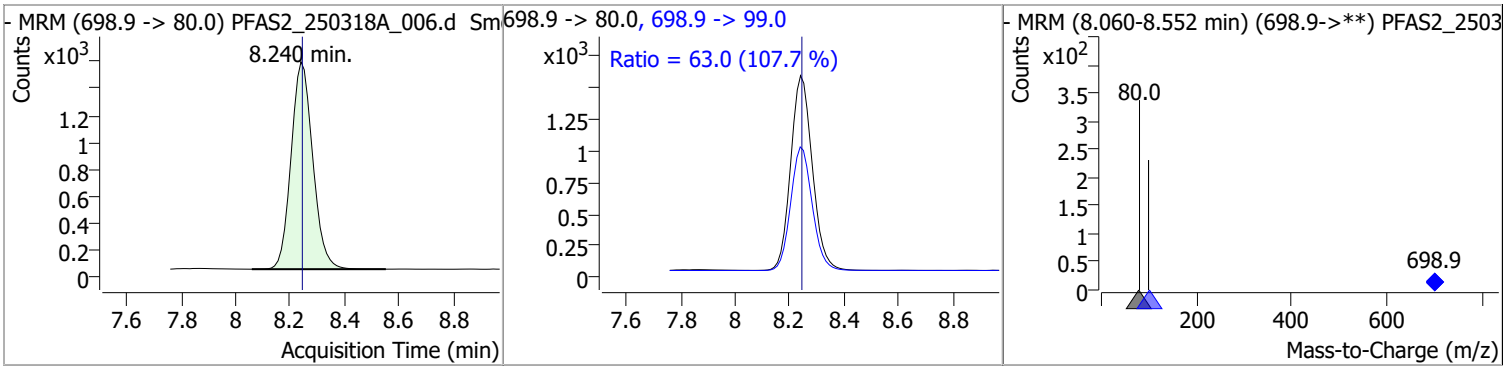
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2160	8.09	0.00	45673				



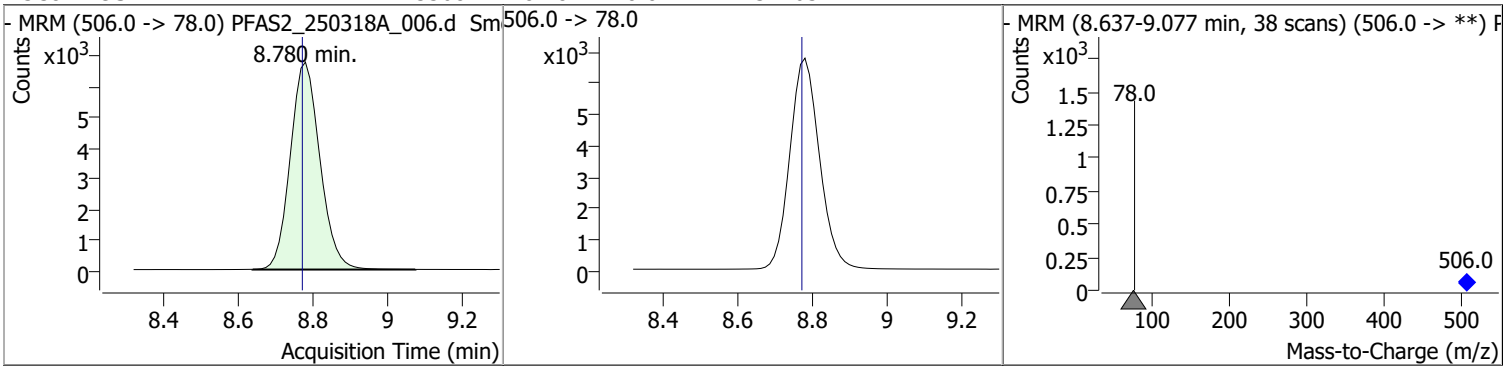
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	2.0181	8.09	0.00	56268	712.9 -> 169.0	9.7	5.8	10.8



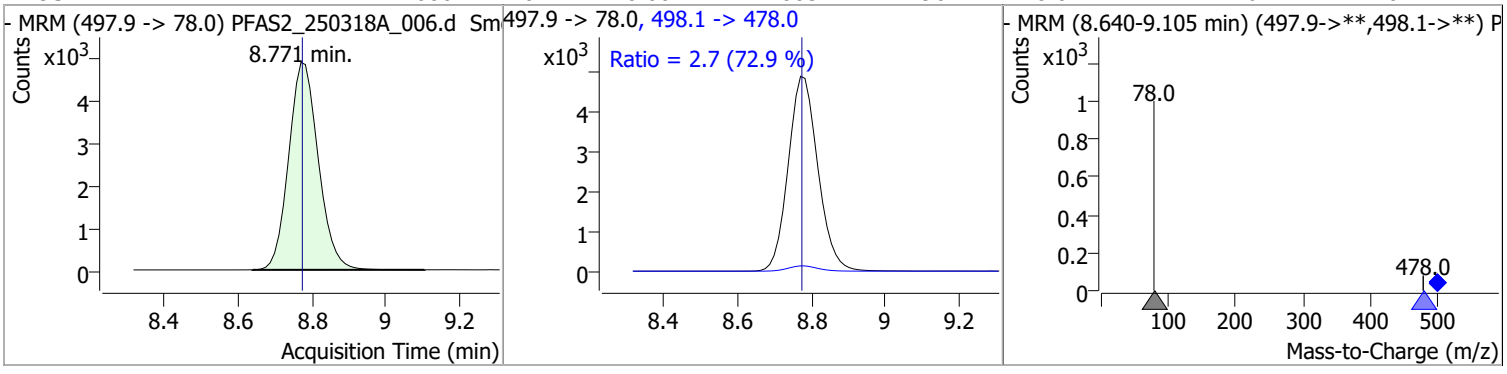
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	1.8466	8.24	0.00	8527	698.9 -> 99.0	63.0	41.0	76.1



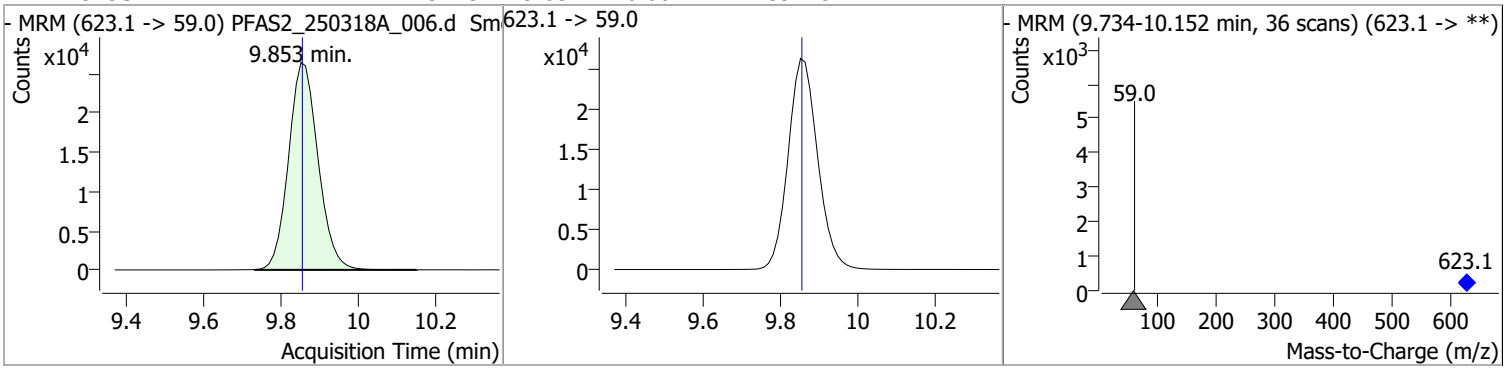
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5368	8.78	0.01	37463				



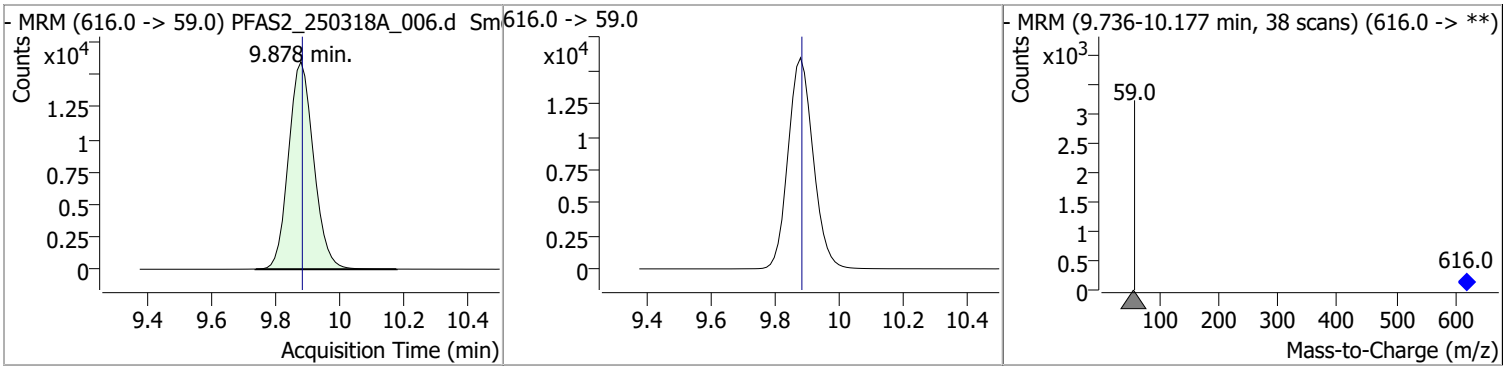
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	2.0801	8.77	0.00	27083	498.1 -> 478.0	2.7	2.6	4.8



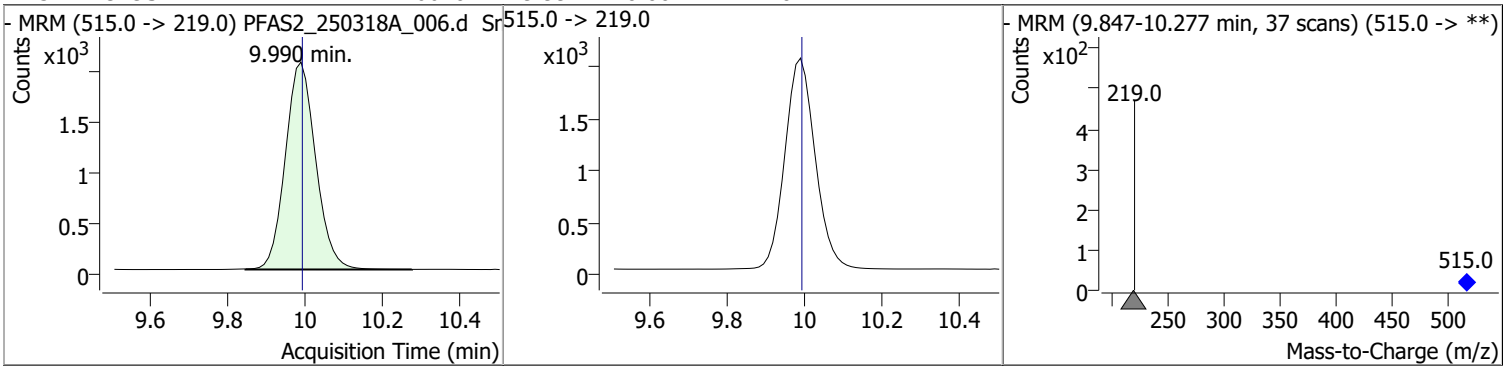
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	27.9215	9.85	0.00	139775				



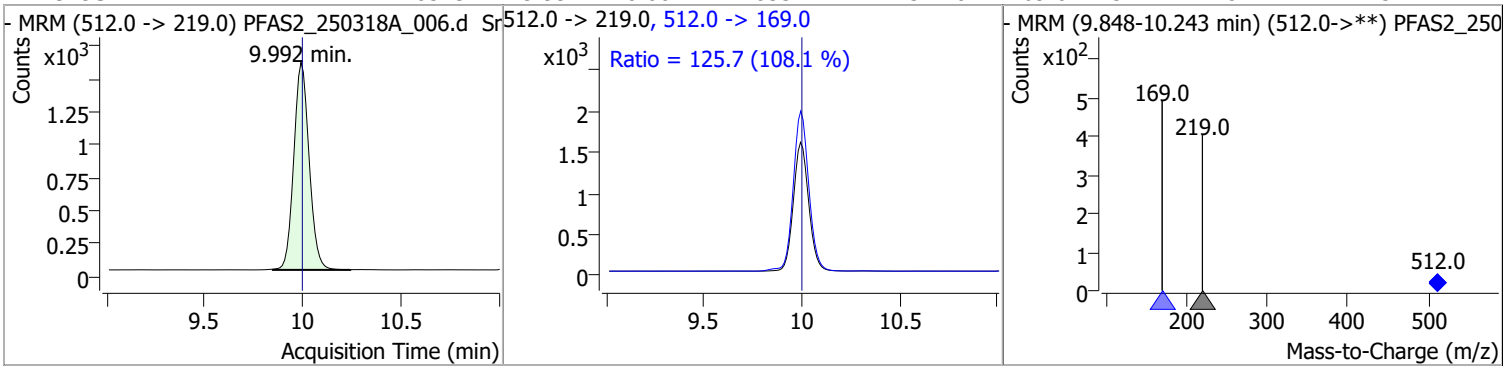
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	20.5491	9.88	0.00	86552				



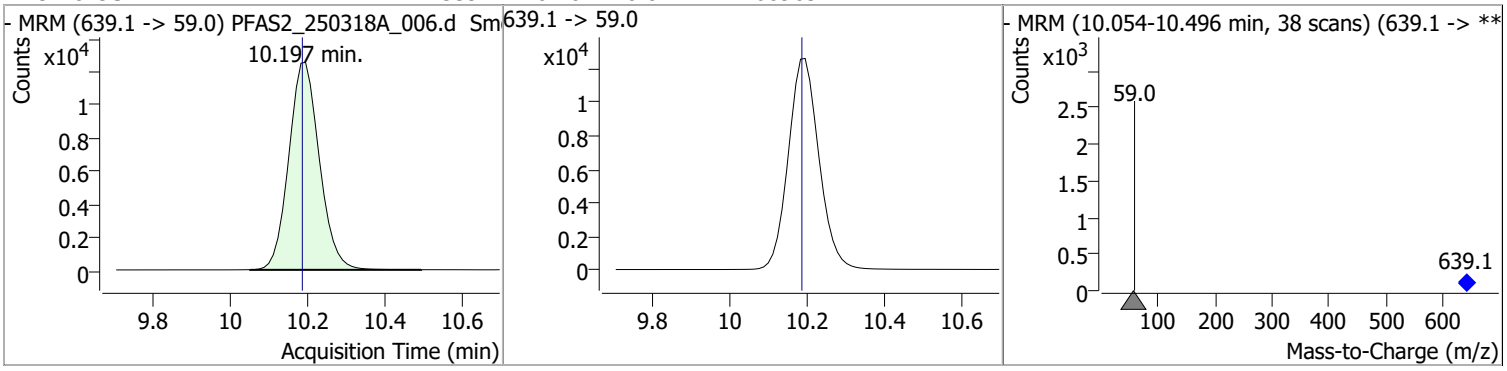
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6640	9.99	0.00	11041				



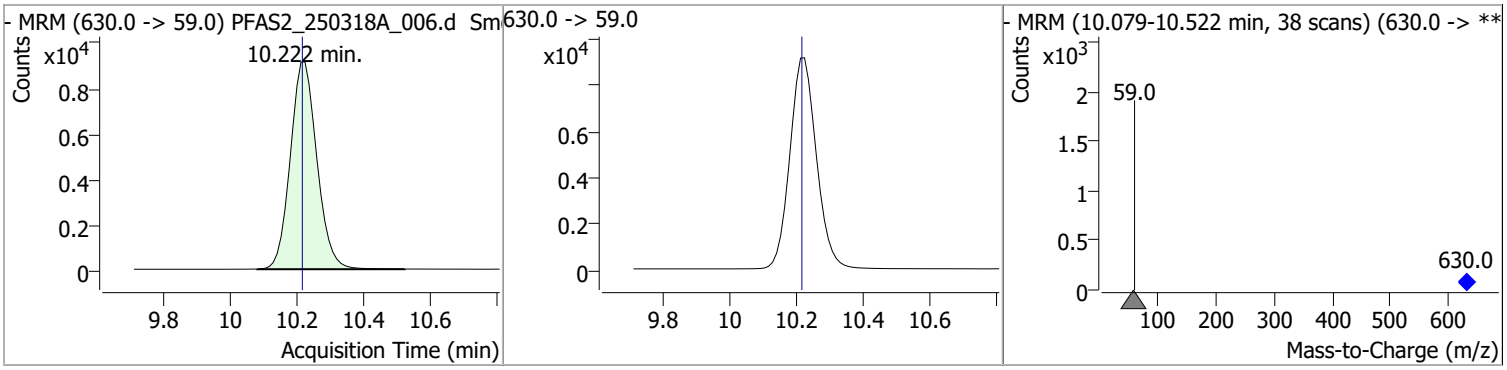
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	2.0543	9.99	0.00	8531	512.0 -> 169.0	125.7	81.4	151.2



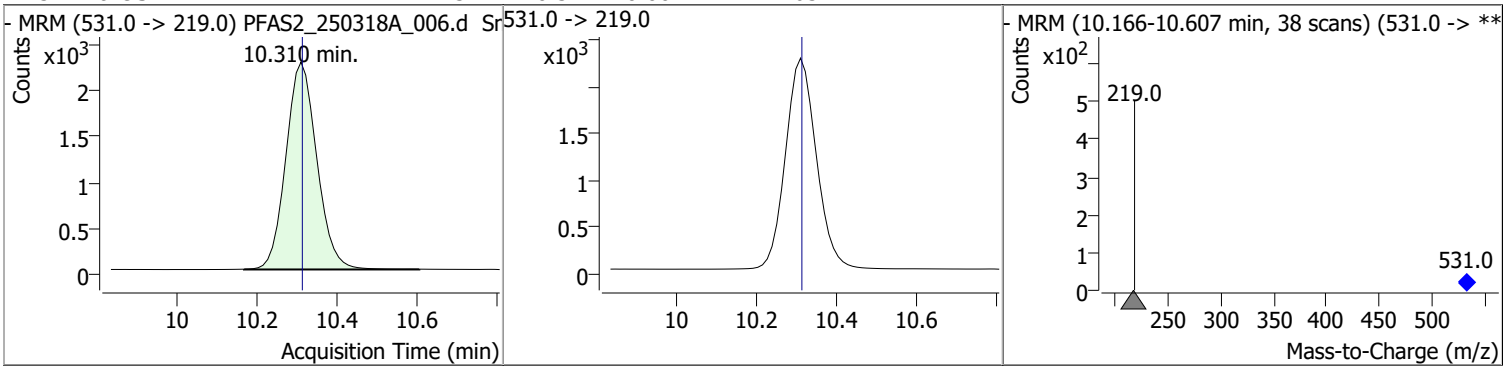
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	27.2339	10.20	0.01	68989				



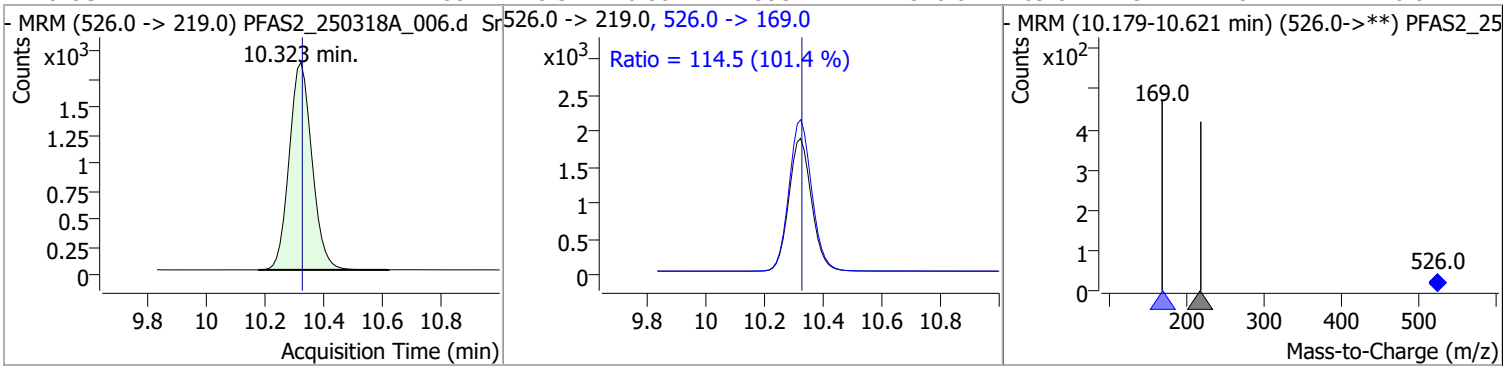
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	20.5115	10.22	0.01	50683				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.7143	10.31	0.00	12163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	2.1180	10.32	0.00	9937	526.0 -> 169.0	114.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_007.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:24:11 PM
Sample Name	SEQ-CAL5	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

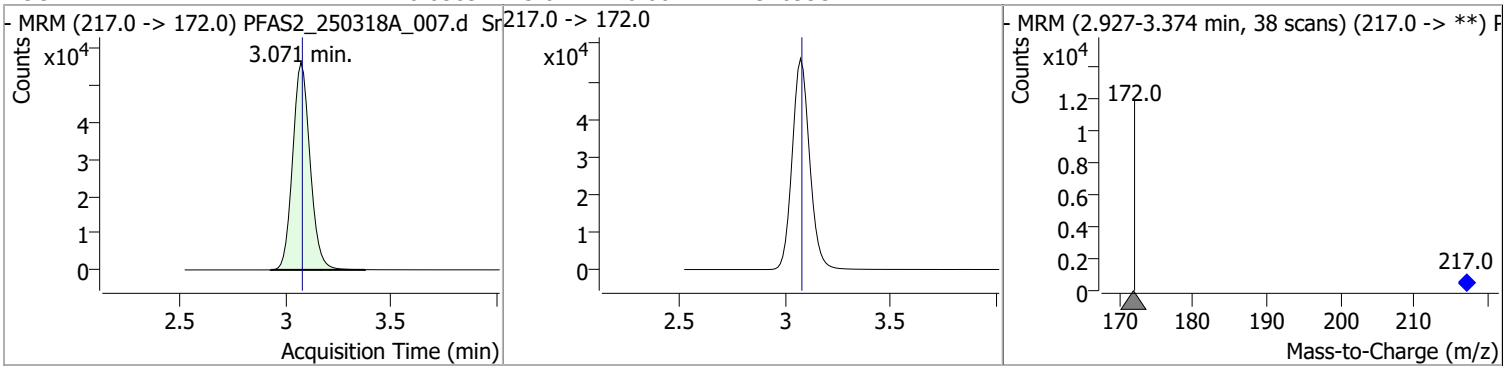
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	140427	5.0000	µg/L		2.619
13C2-PFHxA	4.890	315.0 -> 270.0	150383	2.5000	µg/L		-1.983
18O2-PFHxS	5.955	403.0 -> 84.0	30419	2.5000	µg/L		2.663
13C4-PFOA	5.823	417.0 -> 172.0	15659	2.5000	µg/L		1.364
13C5-PFNA	6.226	468.0 -> 423.0	74553	1.2500	µg/L		4.750
13C2-PFDA	6.615	515.0 -> 470.0	66093	1.2500	µg/L		-1.172
13C4-PFOS	6.783	503.0 -> 80.0	25915	2.5000	µg/L		4.038
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	320993	10.0000	µg/L		3.269
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.59%			
13C5-PFPeA	4.222	268.0 -> 223.0	215968	5.0000	µg/L		4.374
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.49%			
13C5-PFPeA	4.222	268.0 -> 223.0	215968	5.0000	µg/L		4.374
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.49%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	26618	5.0000	µg/L		5.356
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.04%			
13C5-PFHxA	4.889	318.0 -> 273.0	174059	2.5000	µg/L		3.088
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.15%			
13C5-PFHxA	4.889	318.0 -> 273.0	174059	2.5000	µg/L		3.088
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.15%			
13C3-PFBS	4.929	302.0 -> 80.0	64072	2.5000	µg/L		5.515
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.89%			
13C3-PFBS	4.929	302.0 -> 80.0	64072	2.5000	µg/L		5.515
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.89%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	172129	10.0000	µg/L		-1.511
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.48%			
13C4-PFHpA	5.397	367.0 -> 322.0	190603	2.5000	µg/L		0.909
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.98%			
13C3-PFHxS	5.956	402.0 -> 80.0	36536	2.5000	µg/L		4.542
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.86%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	14640	5.0000	µg/L		-0.868
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.67%			
13C8-PFOA	5.823	421.0 -> 376.0	176652	2.5000	µg/L		2.265
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.91%			
13C3-PFHxS	5.956	402.0 -> 80.0	36536	2.5000	µg/L		4.542
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.86%			
13C9-PFNA	6.225	472.0 -> 427.0	72195	1.2500	µg/L		2.457
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.77%			
13C8-PFOS	6.782	507.0 -> 80.0	26373	2.5000	µg/L		4.310
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.30%			
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11842	5.0000	µg/L	#	-0.029
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.25%			
13C6-PFDA	6.615	519.0 -> 474.0	69928	1.2500	µg/L		2.895
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.02%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	56235	5.0000	µg/L		0.746

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.72%		
13C8-PFOS	6.782	507.0 -> 80.0	26373	2.5000	µg/L	4.310
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.30%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	43792	5.0000	µg/L	3.849
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.77%		
13C7-PFUnDA	6.990	570.0 -> 525.0	57030	1.2500	µg/L	6.393
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.64%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	45837	1.2500	µg/L	3.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.96%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42591	1.2500	µg/L	6.624
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.90%		
13C2-PFTDA	8.092	715.0 -> 670.0	49082	1.2500	µg/L	1.651
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.54%		
13C8-PFOSA	8.768	506.0 -> 78.0	37243	2.5000	µg/L	0.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.66%		
2H7-MeFOSE	9.853	623.1 -> 59.0	128003	25.0000	µg/L	1.877
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.00%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10532	2.5000	µg/L	1.571
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.40%		
2H9-EtFOSE	10.185	639.1 -> 59.0	64073	25.0000	µg/L	0.888
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.94%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10830	2.5000	µg/L	-3.646
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.62%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	549041	19.5622	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.81%		
PFMPA	3.614	229.0 -> 85.0	195978	9.4478	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.48%		
3-3 FTCA	3.778	241.0 -> 177.0	14272	19.6480	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.24%		
PFPeA	4.223	263.0 -> 219.0	391260	9.8003	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.00%		
PFMBA	4.453	279.0 -> 85.0	284292	9.3955	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 93.96%		
4-2 FTSA	4.698	327.0 -> 307.0	307663	19.0181	µg/L	98
Spiked Amount: 18.750	Range: 70 - 130%			Recovery = 101.43%		
NFDHA	4.823	295.0 -> 201.0	13035	10.1822	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.82%		
PFHxA	4.892	313.0 -> 269.0	307241	4.9329	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.66%		
PFBS	4.918	298.9 -> 80.0	118353	4.4517	µg/L	92
Spiked Amount: 4.435	Range: 70 - 130%			Recovery = 100.38%		
HFPO-DA	5.087	285.0 -> 169.0	166380	10.8948	µg/L	91
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 108.95%		
PFEESA	5.201	314.9 -> 135.0	765854	8.7814	µg/L	98
Spiked Amount: 8.900	Range: 70 - 130%			Recovery = 98.67%		
PFHpA	5.398	363.0 -> 319.0	366430	4.9872	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.74%		
5-3 FTCA	5.447	341.0 -> 237.0	486026	99.9361	µg/L	92
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.94%		
PFPeS	5.494	348.9 -> 80.0	96920	4.9130	µg/L	92
Spiked Amount: 4.705	Range: 70 - 130%			Recovery = 104.42%		
DONA	5.551	377.0 -> 251.0	965387	9.5462	µg/L	99
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 101.02%		

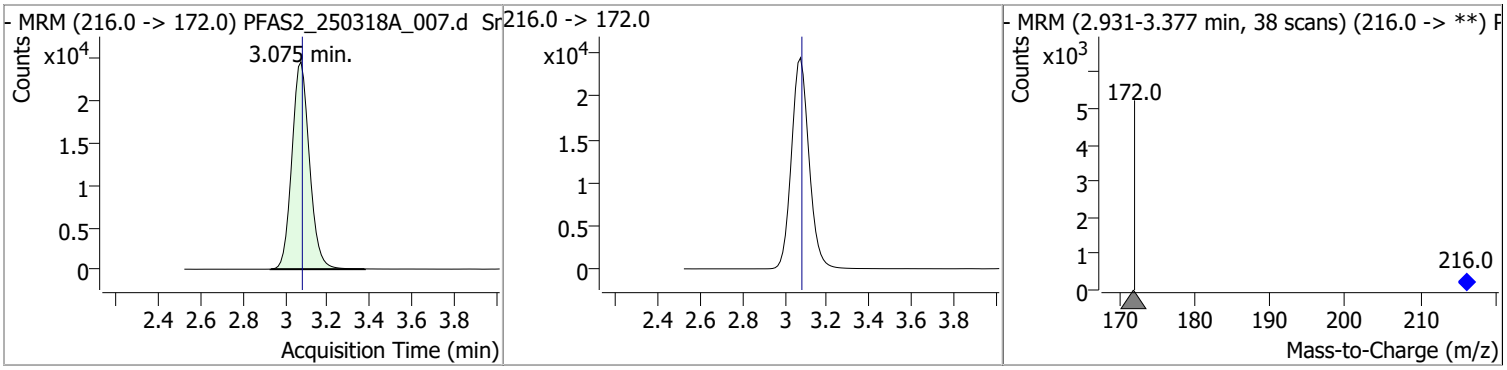
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	202859	19.9173	µg/L		92
Spiked Amount: 19.000	Range: 70 - 130%			Recovery = 104.83%			
PFOA	5.824	413.0 -> 369.0	343405	4.9365	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.73%			
PFHxS	5.957	398.9 -> 80.0	63058	4.4373	µg/L		90
Spiked Amount: 4.570	Range: 70 - 130%			Recovery = 97.10%			
PFNA	6.226	463.0 -> 419.0	278737	4.9517	µg/L		99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.03%			
PFHpS	6.382	448.9 -> 80.0	51580	4.7021	µg/L		93
Spiked Amount: 4.765	Range: 70 - 130%			Recovery = 98.68%			
8-2 FTSA	6.424	527.0 -> 507.0	106618	20.1334	µg/L	#	75
Spiked Amount: 19.200	Range: 70 - 130%			Recovery = 104.86%			
7-3 FTCA	6.597	441.0 -> 317.0	384780	103.9764	µg/L		97
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.98%			
PFDA	6.615	513.0 -> 469.0	266196	5.1727	µg/L		93
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.45%			
N-MeFOSAA	6.742	570.0 -> 419.0	49990	5.0303	µg/L		100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.61%			
PFOS	6.772	498.9 -> 80.0	47470	4.4973	µg/L		98
Spiked Amount: 4.640	Range: 70 - 130%			Recovery = 96.92%			
N-EtFOSAA	6.953	584.0 -> 419.0	39550	4.7833	µg/L		93
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.67%			
PFUnDA	6.991	563.0 -> 519.0	207816	4.9053	µg/L		92
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.11%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	541591	10.1201	µg/L		91
Spiked Amount: 9.350	Range: 70 - 130%			Recovery = 108.24%			
PFNS	7.159	548.9 -> 80.0	45050	5.0074	µg/L		90
Spiked Amount: 4.810	Range: 70 - 130%			Recovery = 104.10%			
PFDoDA	7.368	613.0 -> 569.0	162837	5.2153	µg/L		96
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.31%			
PFDS	7.525	598.9 -> 80.0	34926	5.1957	µg/L		91
Spiked Amount: 4.825	Range: 70 - 130%			Recovery = 107.68%			
PFTrDA	7.736	663.0 -> 619.0	183776	5.3212	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.42%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	267854	11.7482	µg/L		97
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 124.32%			
PFTDA	8.093	712.9 -> 669.0	156424	5.2114	µg/L		98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.23%			
PFDoS	8.240	698.9 -> 80.0	24123	5.1320	µg/L		97
Spiked Amount: 4.850	Range: 70 - 130%			Recovery = 105.81%			
PFOSA	8.771	497.9 -> 78.0	64133	4.9548	µg/L		98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.10%			
MeFOSE	9.878	616.0 -> 59.0	198819	51.7249	µg/L		100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.45%			
N-MeFOSA	9.992	512.0 -> 219.0	20226	5.1059	µg/L		94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.12%			
EtFOSE	10.210	630.0 -> 59.0	113355	49.5561	µg/L		100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.11%			
N-EtFOSA	10.323	526.0 -> 219.0	21571	5.1637	µg/L		99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.27%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

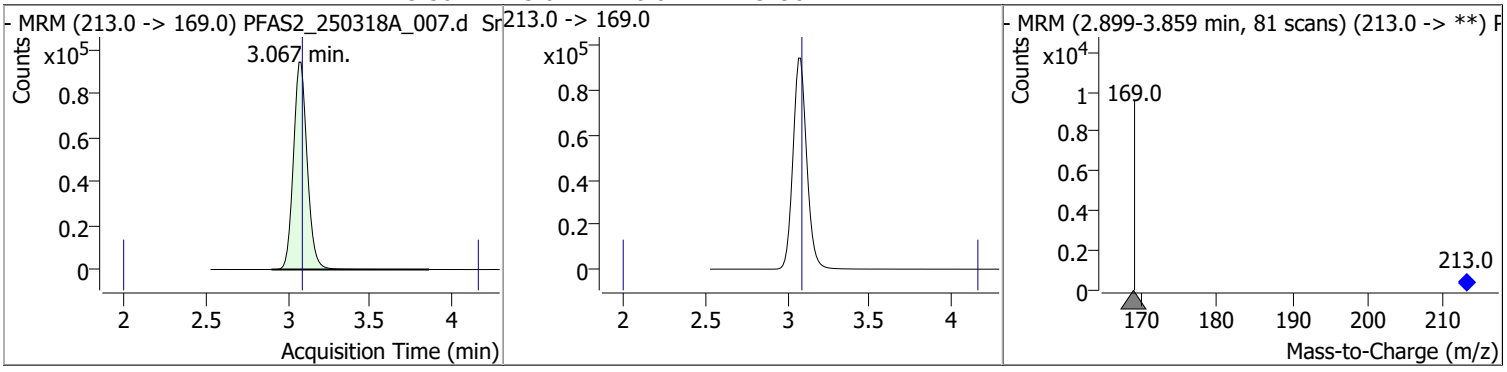
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0589	3.07	0.00	320993				



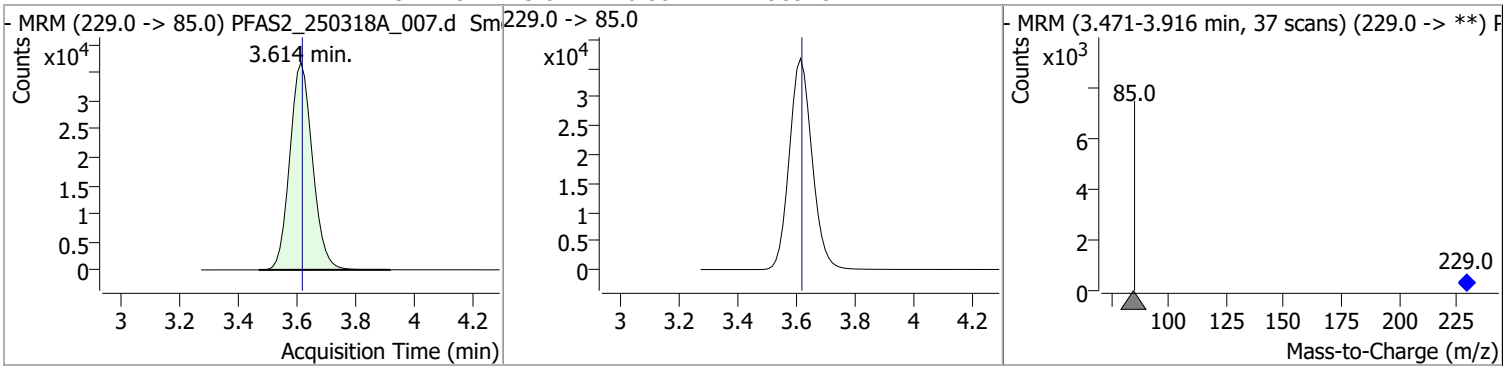
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	140427				



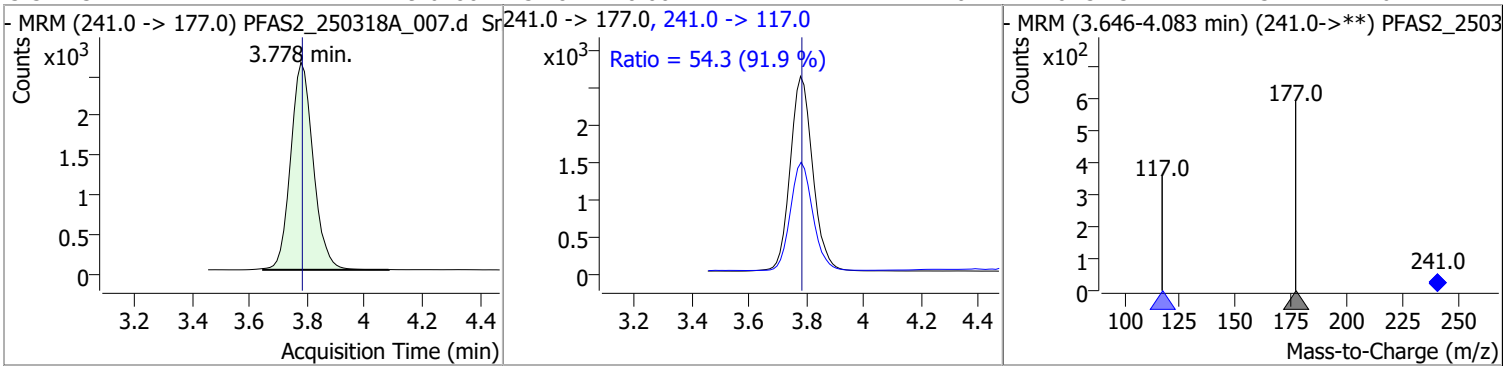
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	19.5622	3.07	-0.01	549041				



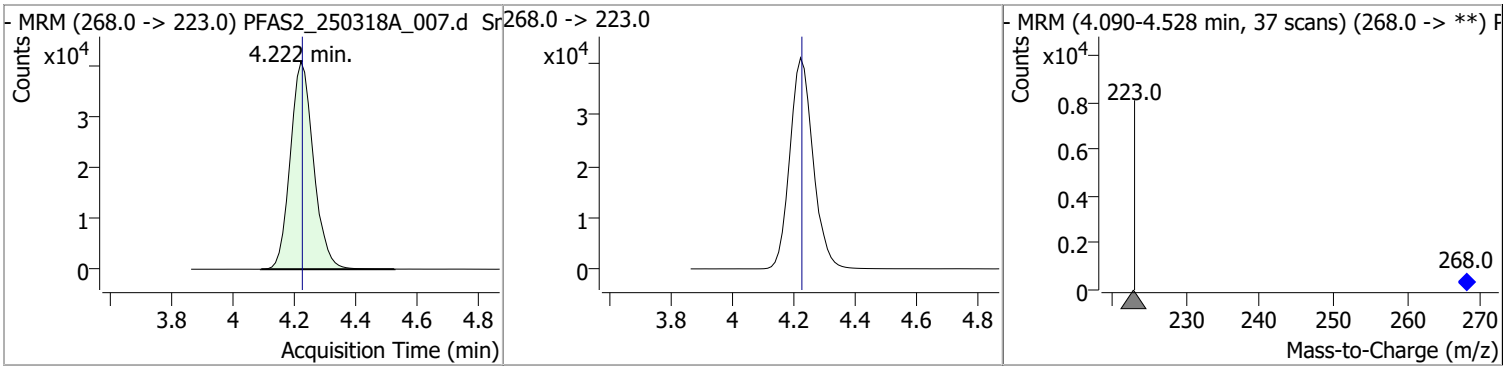
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	9.4478	3.61	0.00	195978				



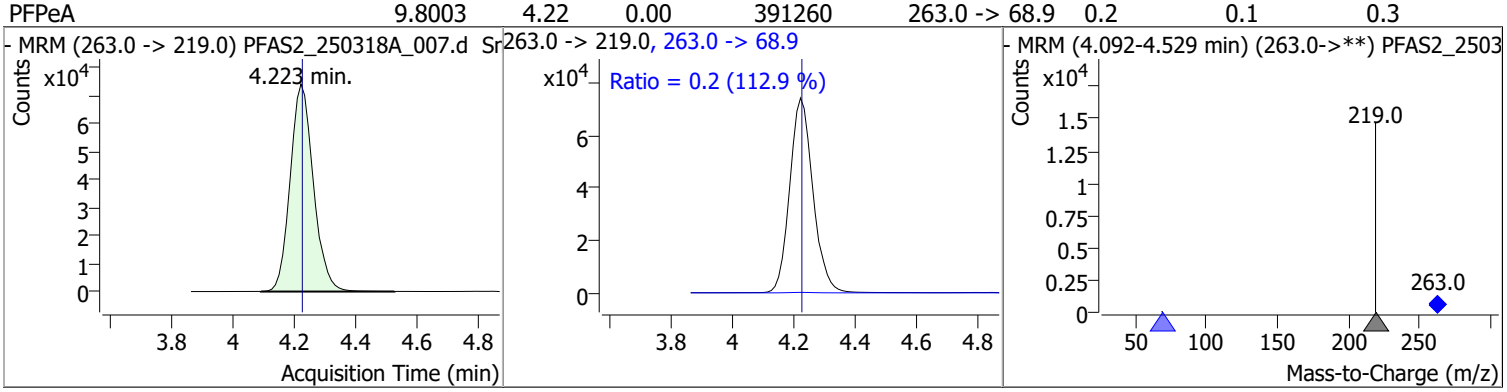
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	19.6480	3.78	0.00	14272	241.0 -> 117.0	54.3	41.3	76.7



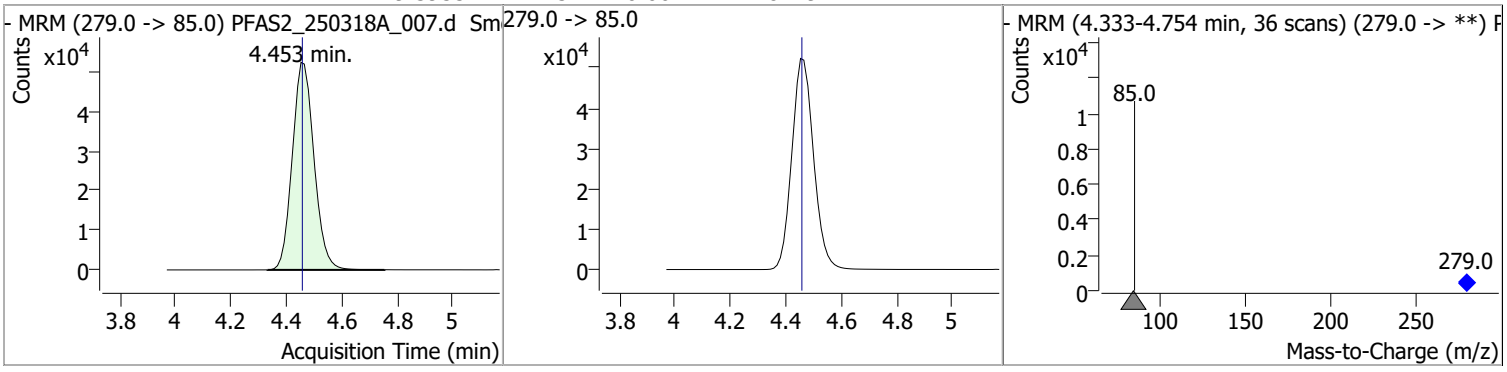
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.3245	4.22	0.00	215968				



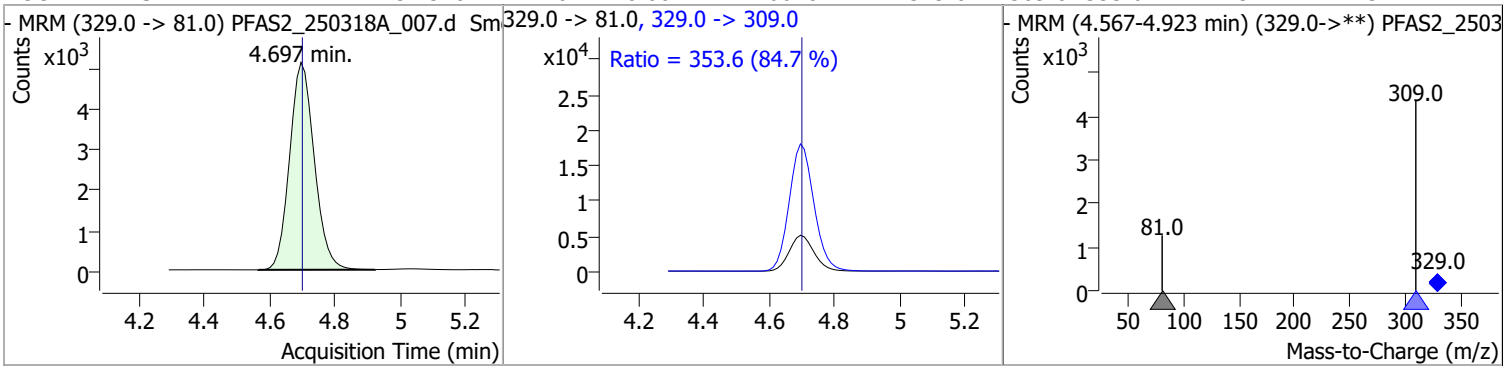
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	9.8003	4.22	0.00	391260	263.0 -> 68.9	0.2	0.1	0.3



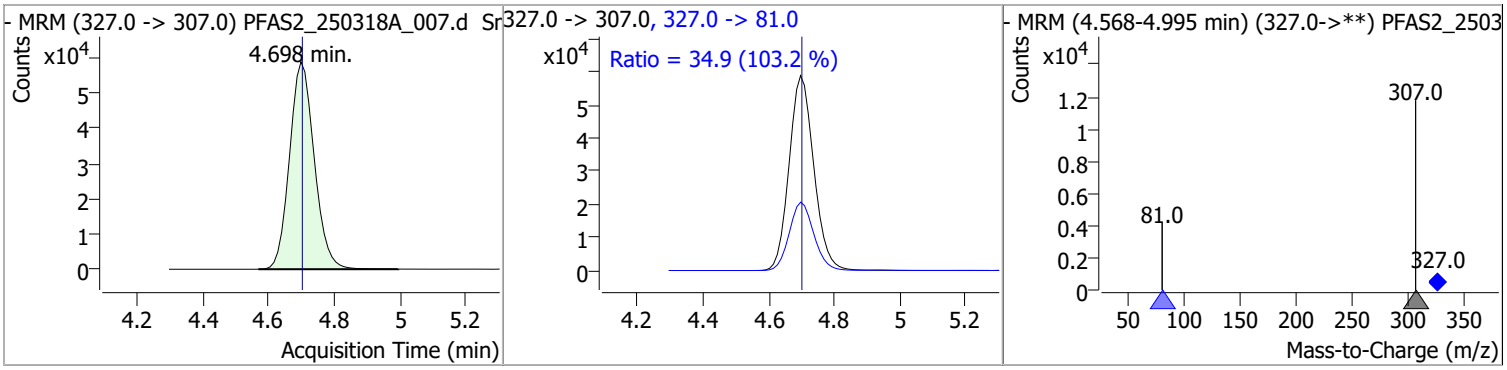
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	9.3955	4.45	0.00	284292				



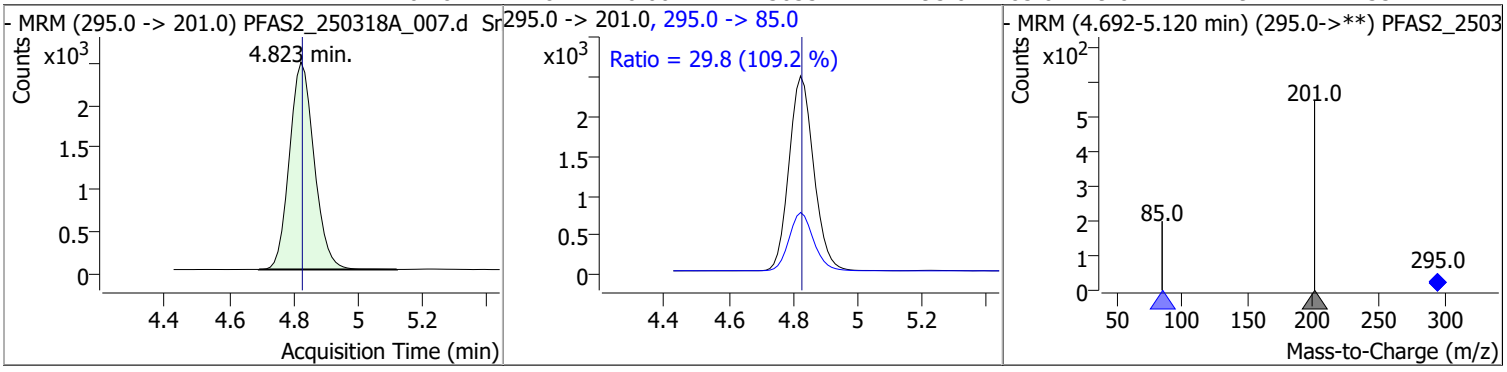
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.1520	4.70	0.00	26618	329.0 -> 309.0	353.6	292.1	542.4



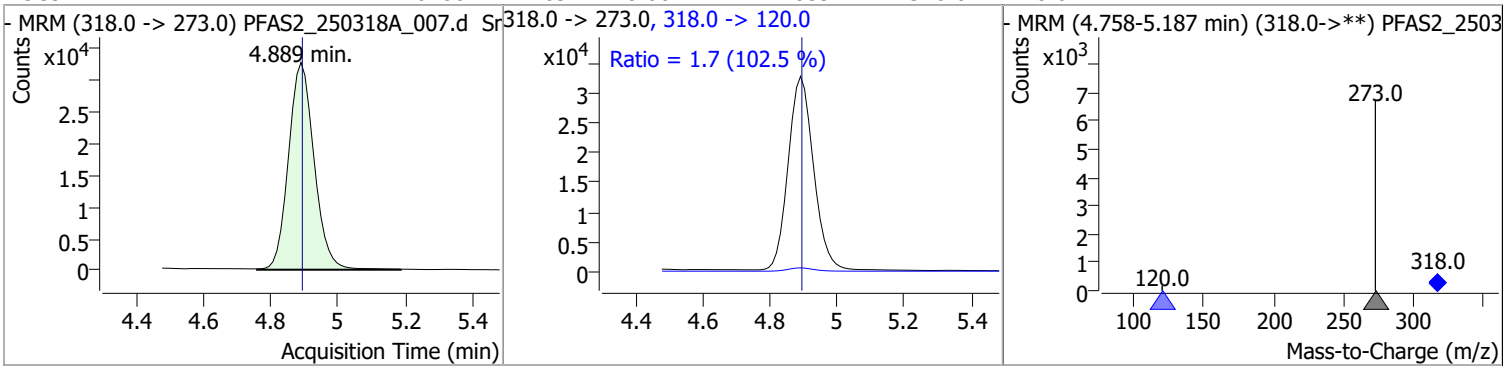
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	19.0181	4.70	0.00	307663	327.0 -> 81.0	34.9	23.6	43.9



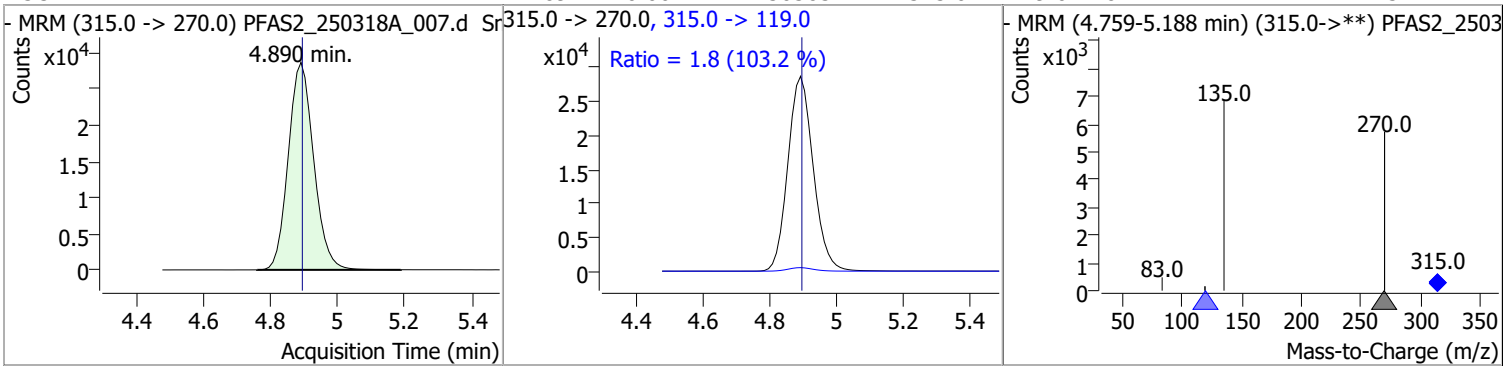
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	10.1822	4.82	0.00	13035	295.0 -> 85.0	29.8	19.1	35.4



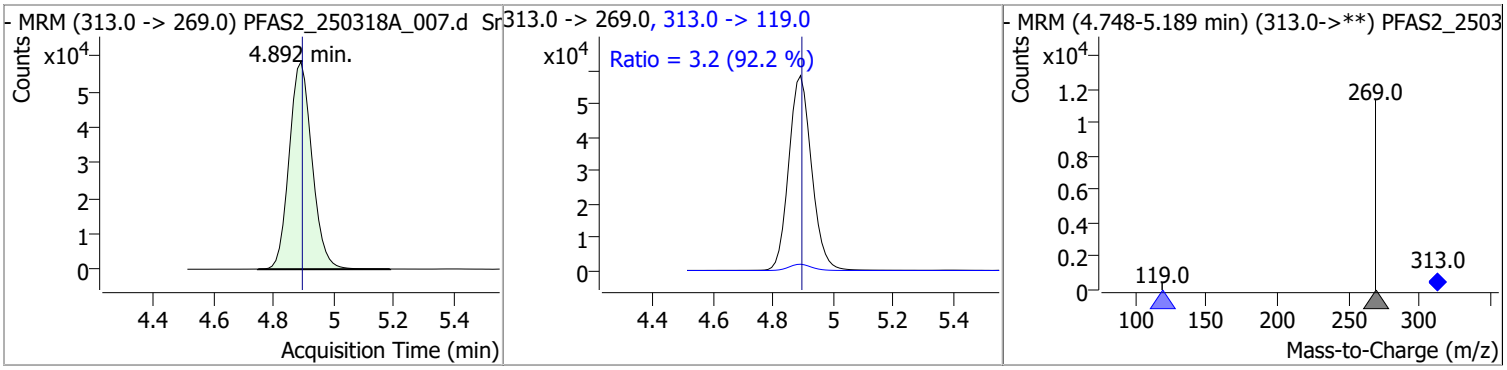
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.6288	4.89	0.00	174059	318.0 -> 120.0	1.7	1.1	2.1



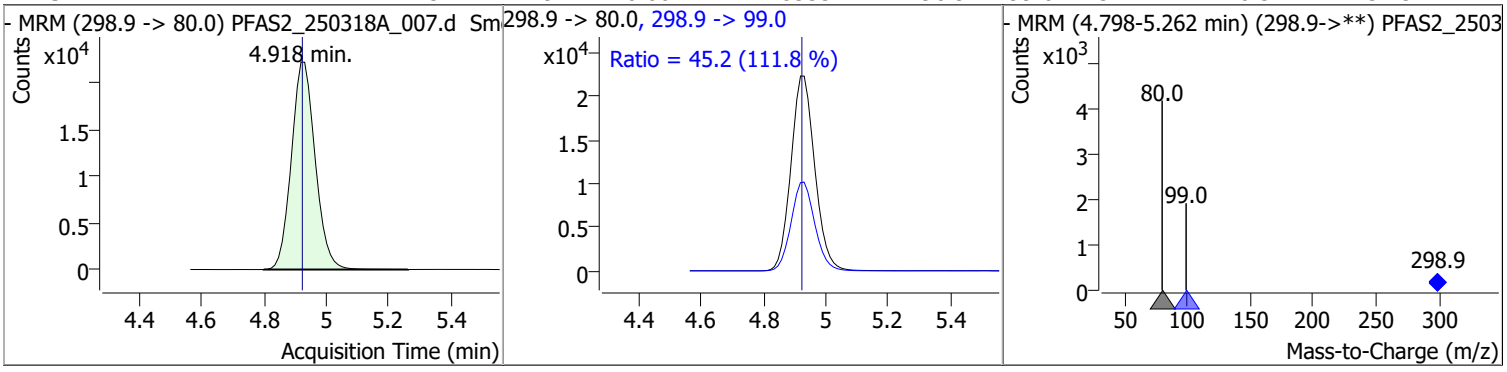
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	150383	315.0 -> 119.0	1.8	1.2	2.3



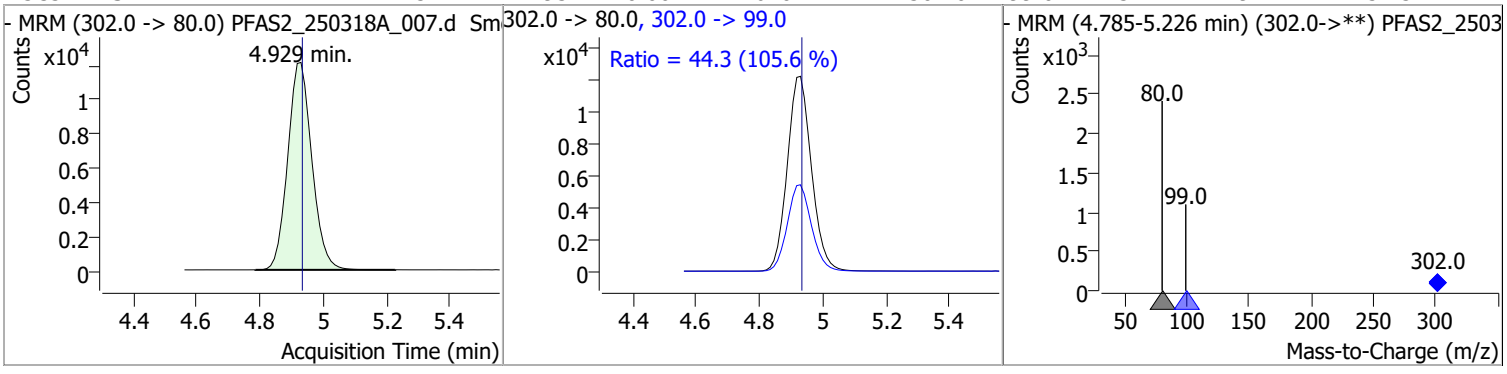
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	4.9329	4.89	0.00	307241	313.0 -> 119.0	3.2	2.4	4.5



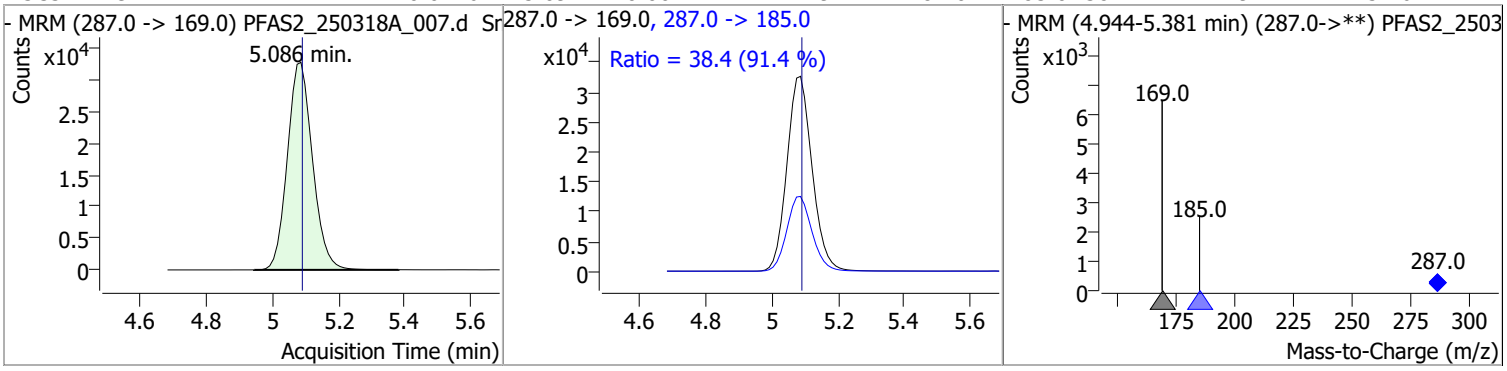
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	4.4517	4.92	0.00	118353	298.9 -> 99.0	45.2	28.3	52.5



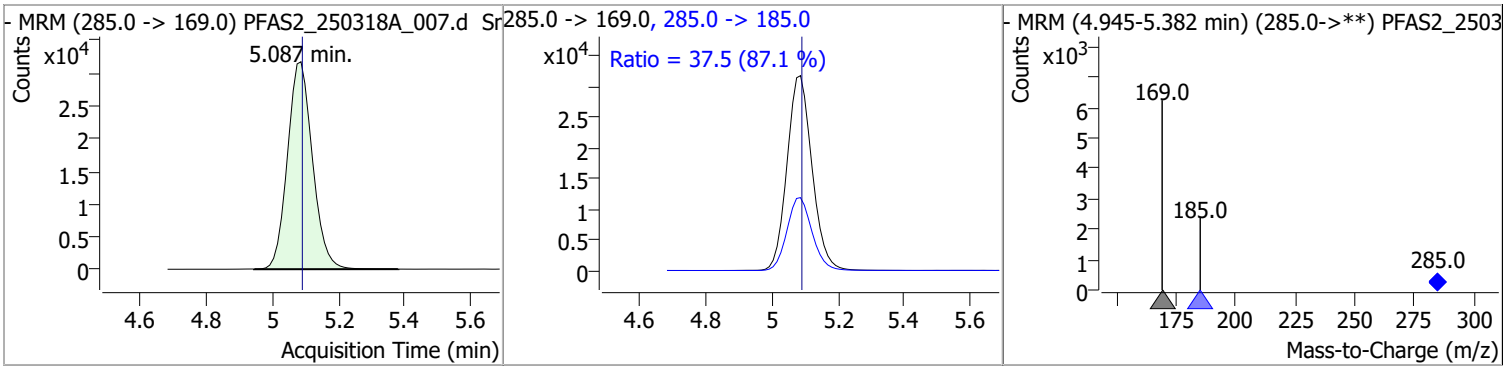
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5722	4.93	0.00	64072	302.0 -> 99.0	44.3	29.4	54.5



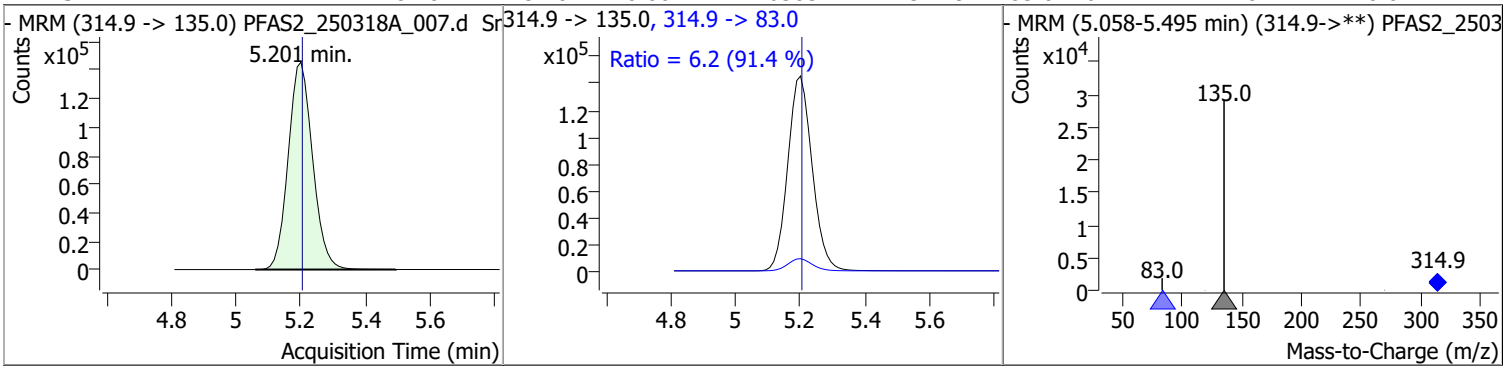
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0476	5.09	0.00	172129	287.0 -> 185.0	38.4	29.4	54.6



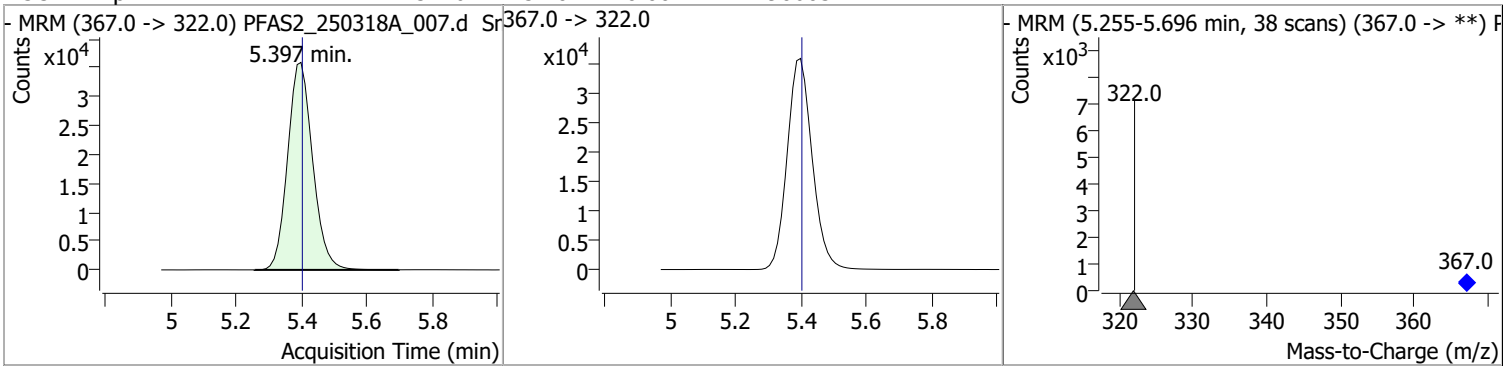
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	10.8948	5.09	0.00	166380	285.0 -> 185.0	37.5	30.1	56.0



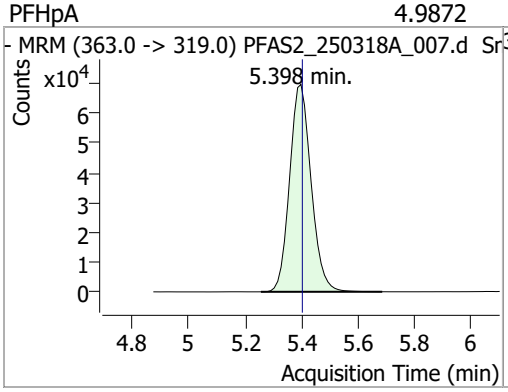
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	8.7814	5.20	0.00	765854	314.9 -> 83.0	6.2	4.8	8.8

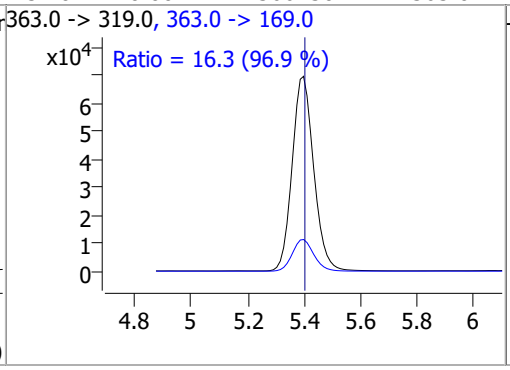


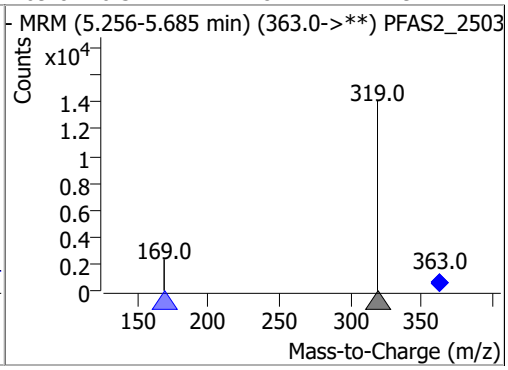
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5746	5.40	0.00	190603				



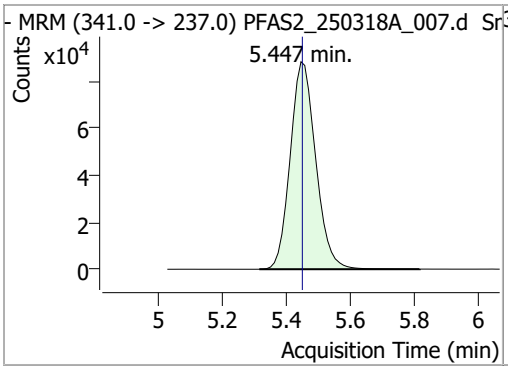
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	4.9872	5.40	0.00	366430	363.0 -> 169.0	16.3	11.8	21.9

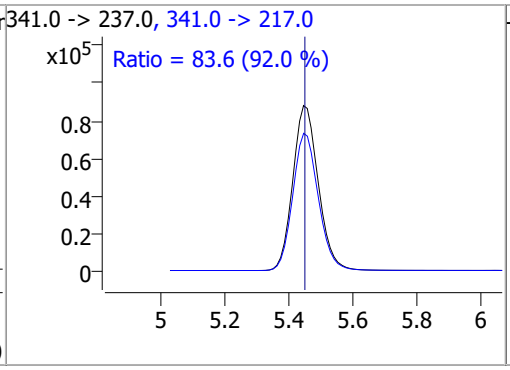


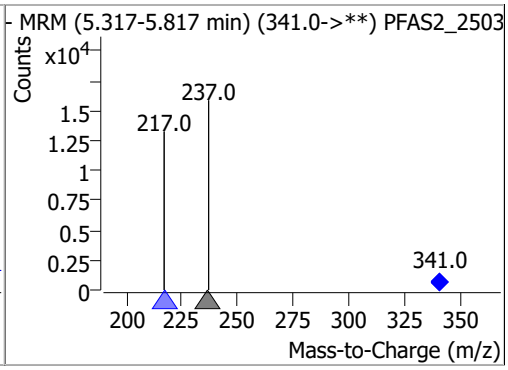




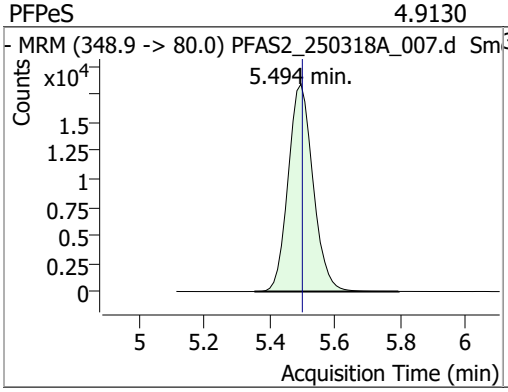
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	99.9361	5.45	0.00	486026	341.0 -> 217.0	83.6	63.6	118.1

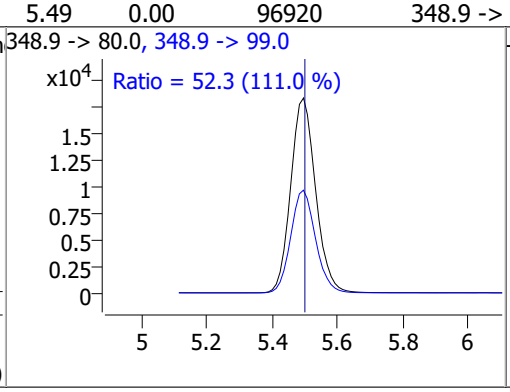


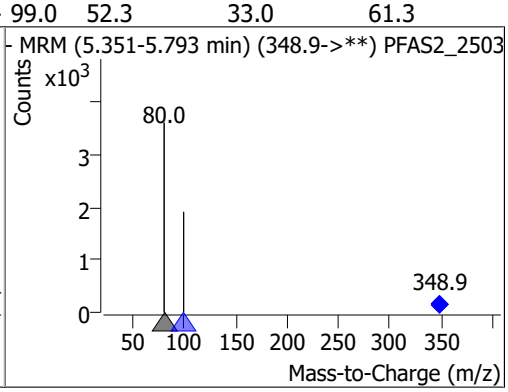




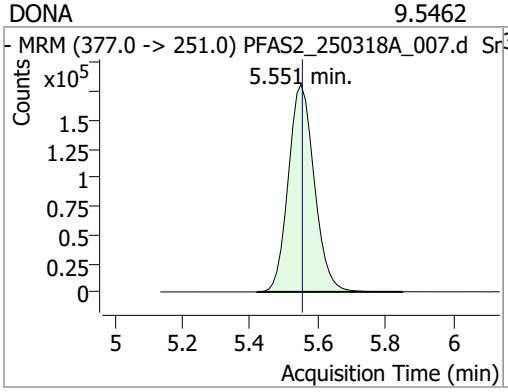
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	4.9130	5.49	0.00	96920	348.9 -> 99.0	52.3	33.0	61.3

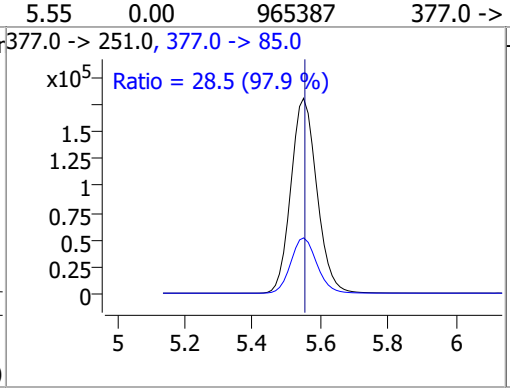


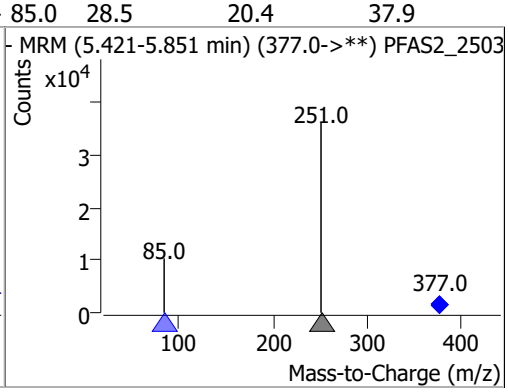




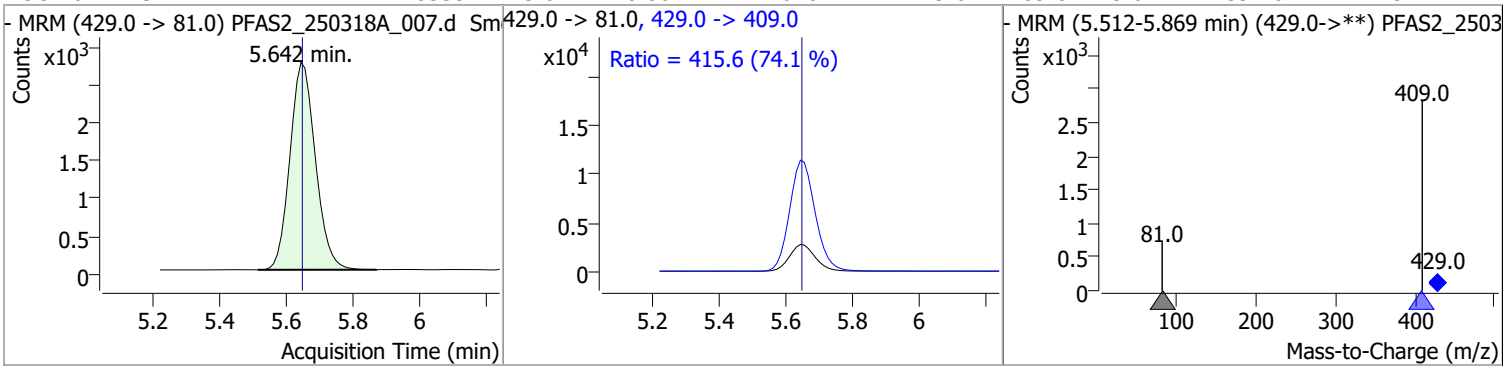
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.5462	5.55	0.00	965387	377.0 -> 85.0	28.5	20.4	37.9



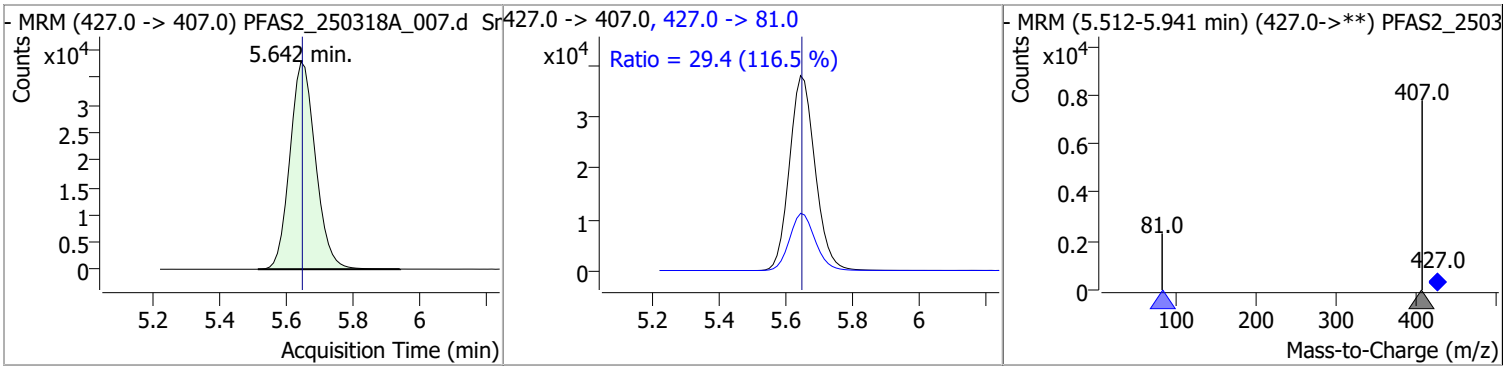




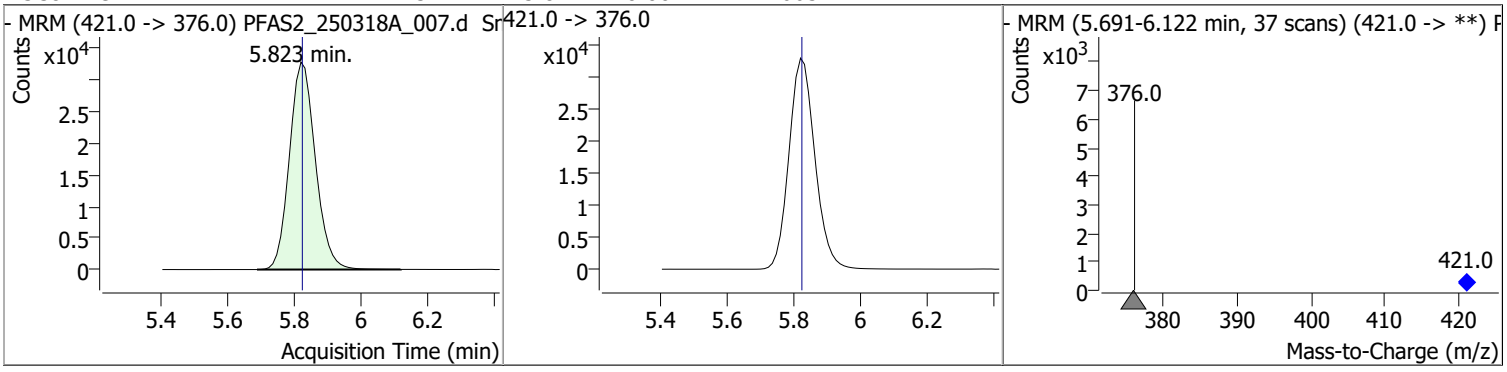
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8333	5.64	0.00	14640	429.0 -> 409.0	415.6	392.8	729.4



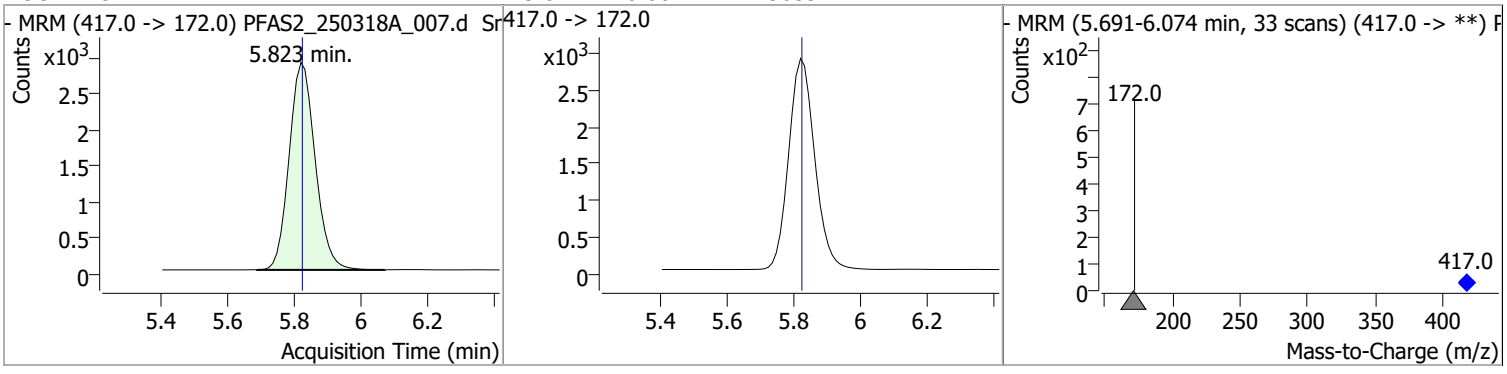
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	19.9173	5.64	0.00	202859	427.0 -> 81.0	29.4	17.7	32.8



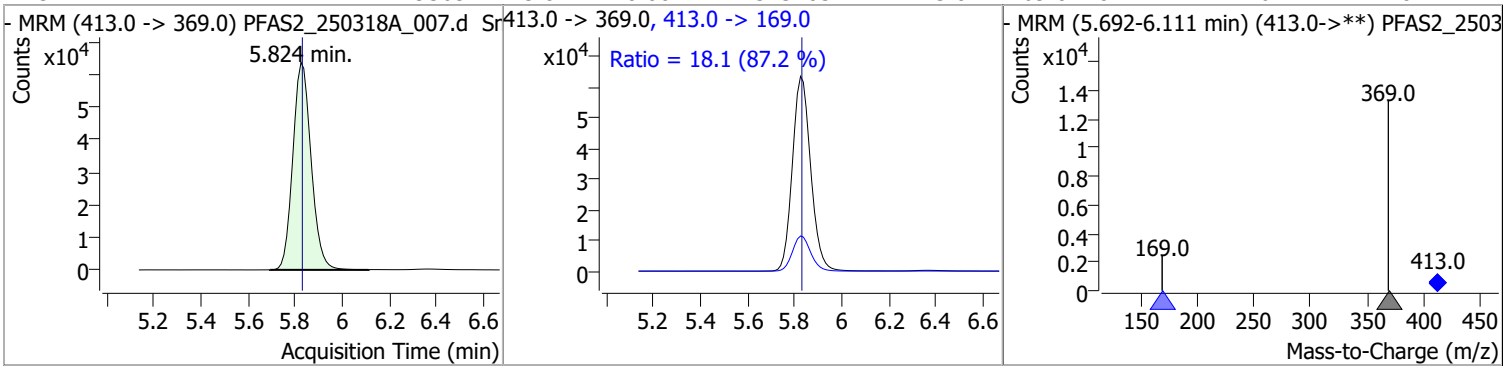
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5227	5.82	0.00	176652				



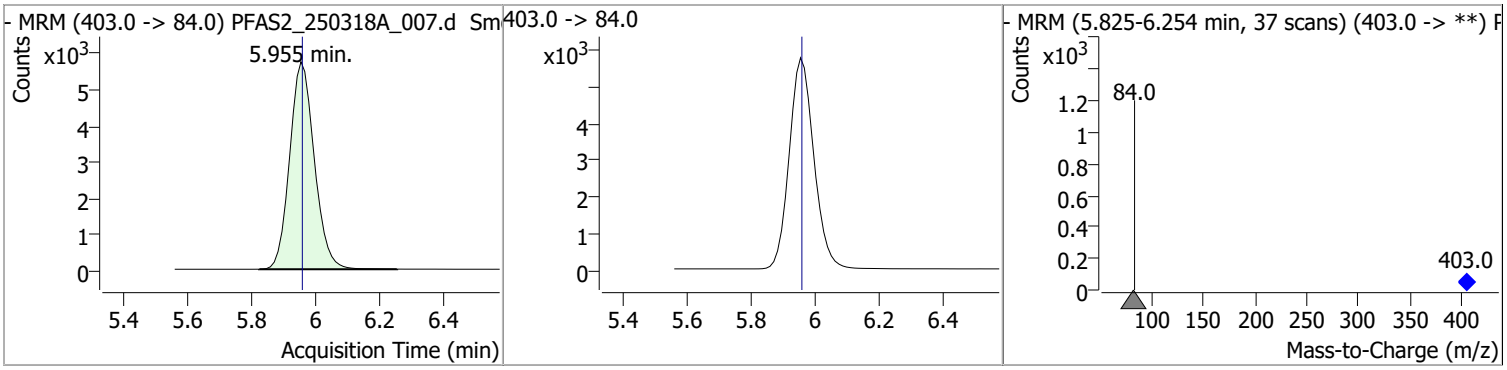
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15659				



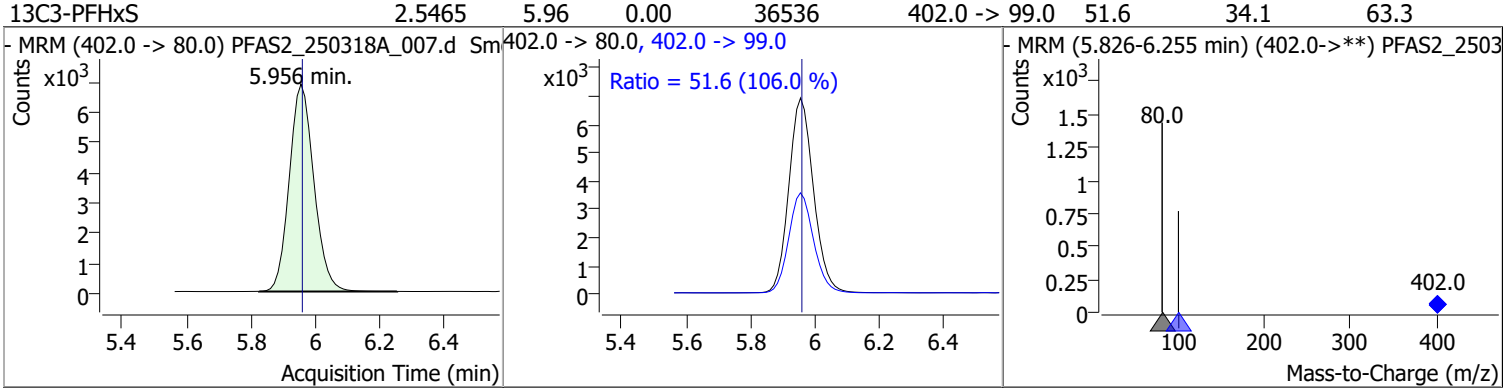
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	4.9365	5.82	0.00	343405	413.0 -> 169.0	18.1	14.6	27.0



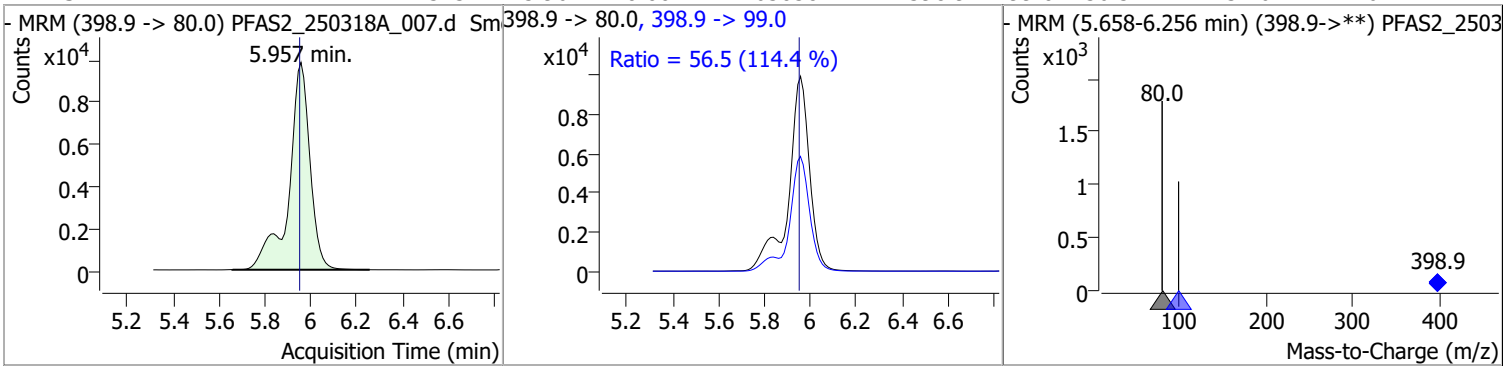
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	30419				



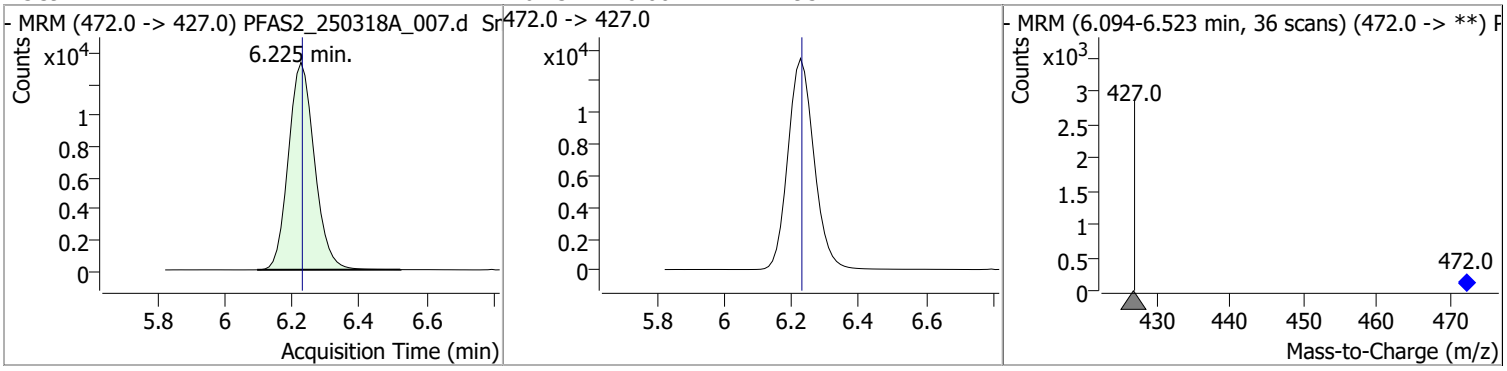
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5465	5.96	0.00	36536	402.0 -> 99.0	51.6	34.1	63.3



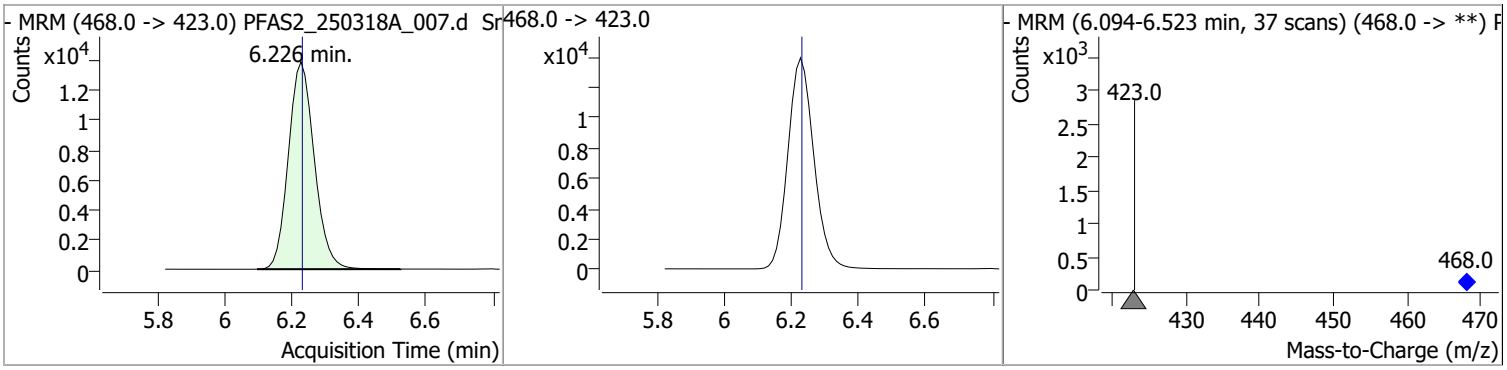
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	4.4373	5.96	0.00	63058	398.9 -> 99.0	56.5	34.6	64.2



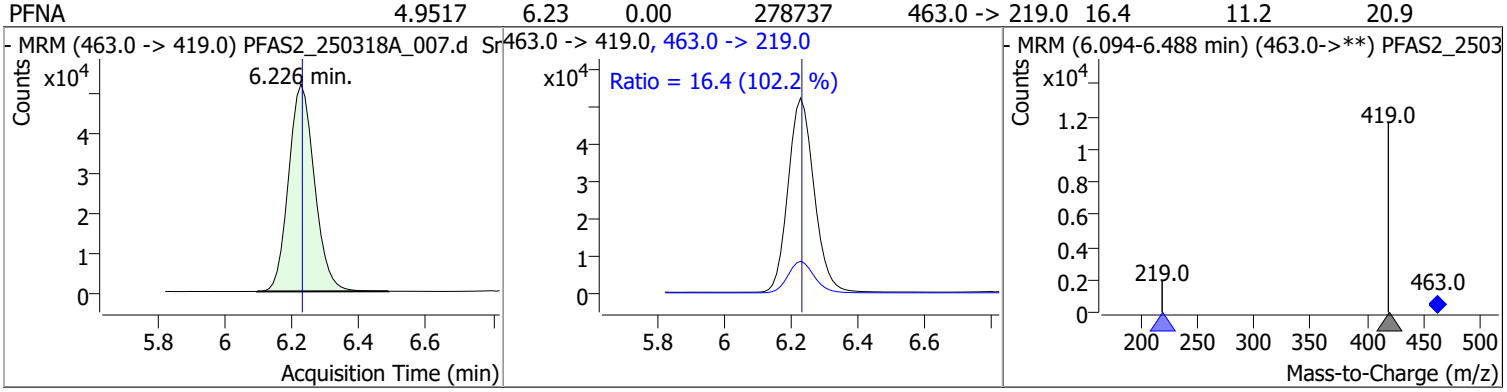
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2221	6.23	0.00	72195				



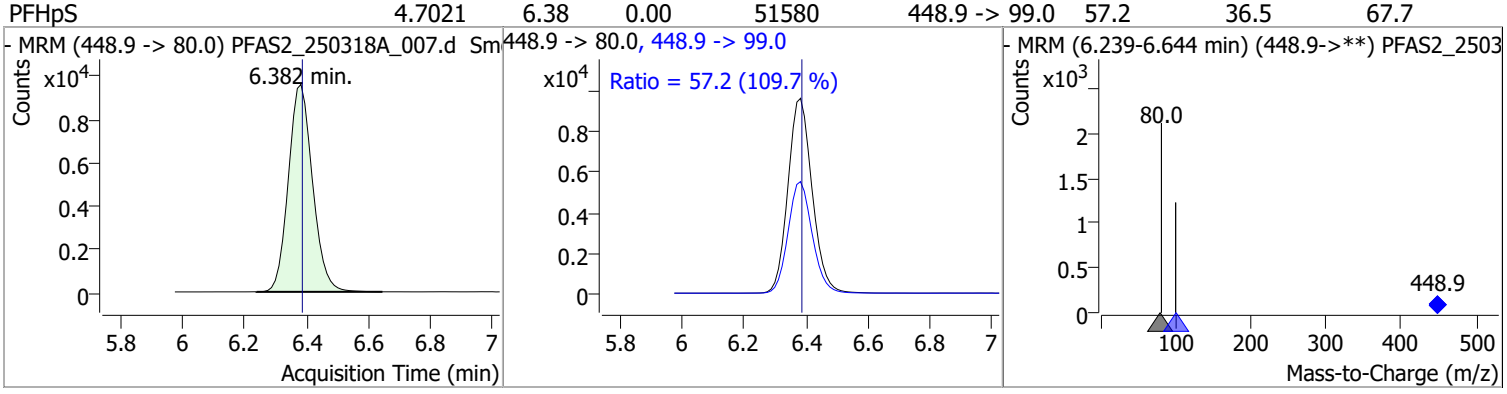
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	74553				



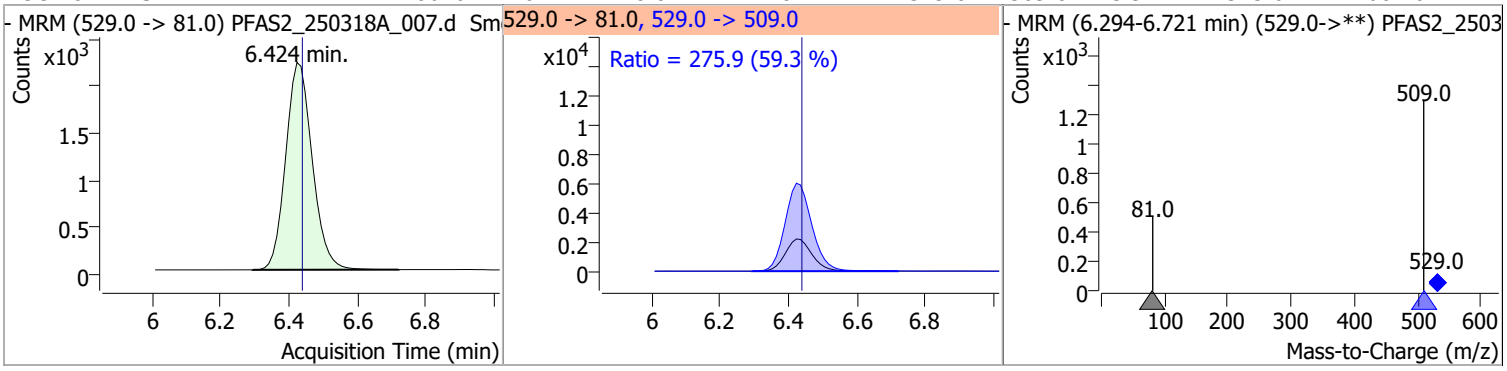
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	4.9517	6.23	0.00	278737	463.0 -> 219.0	16.4	11.2	20.9



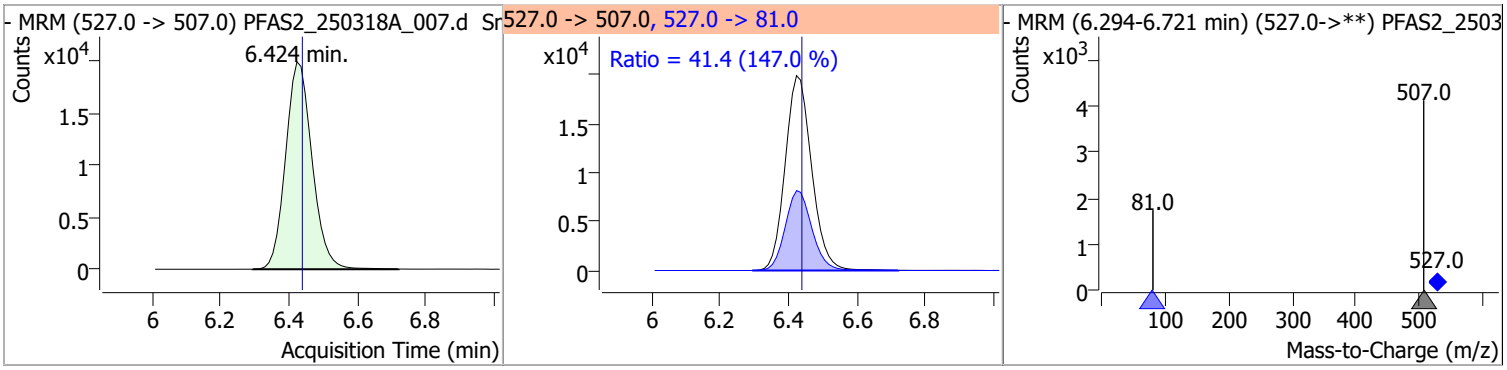
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	4.7021	6.38	0.00	51580	448.9 -> 99.0	57.2	36.5	67.7



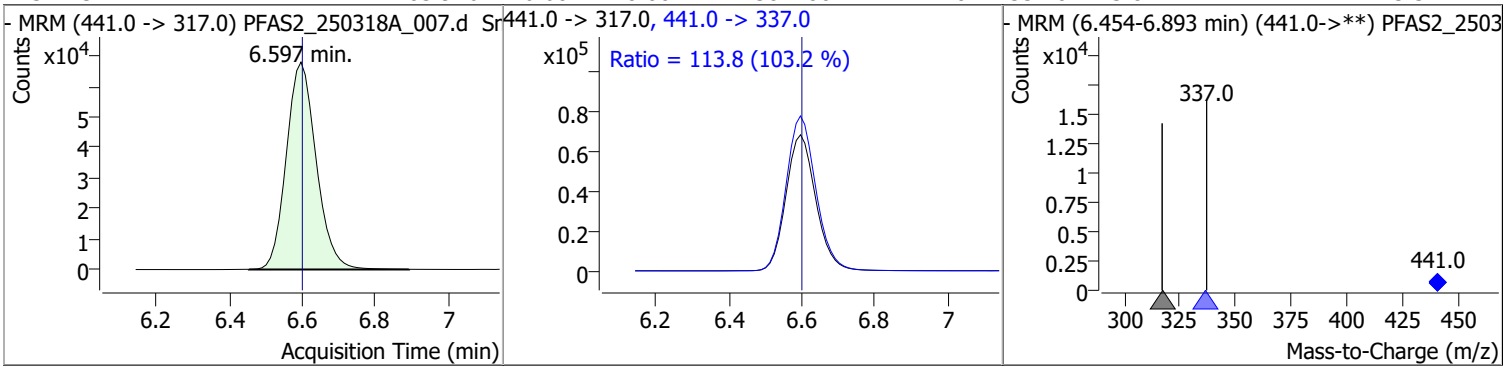
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8626	6.42	-0.01	11842	529.0 -> 509.0	275.9	325.6	604.6



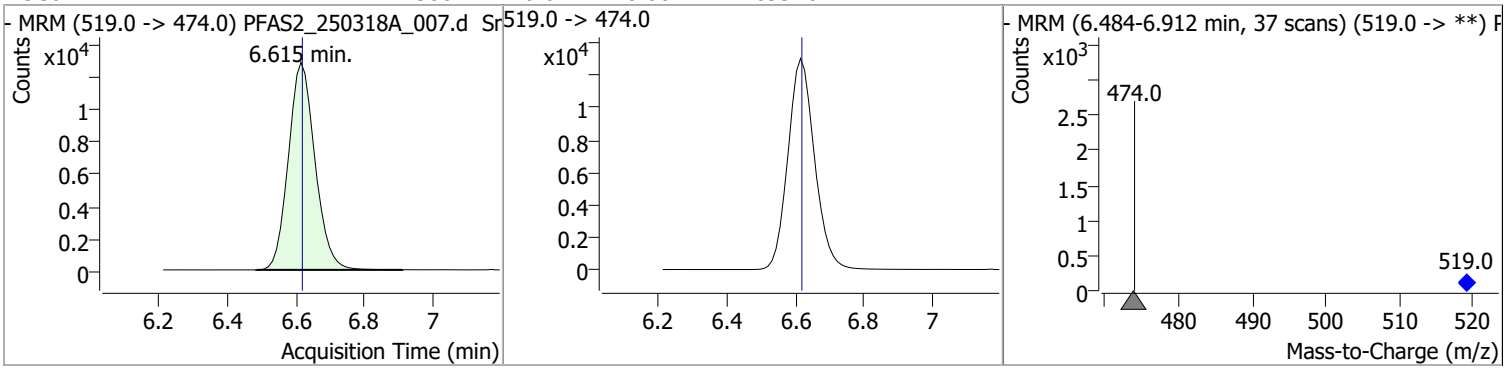
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	20.1334	6.42	-0.01	106618	527.0 -> 81.0	41.4	19.7	36.6



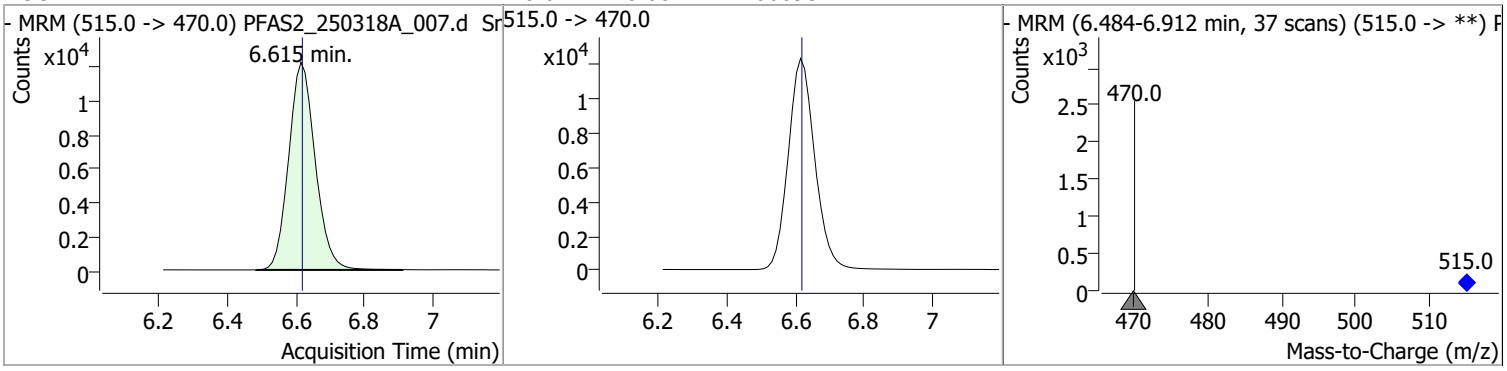
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	103.9764	6.60	0.00	384780	441.0 -> 337.0	113.8	77.1	143.3



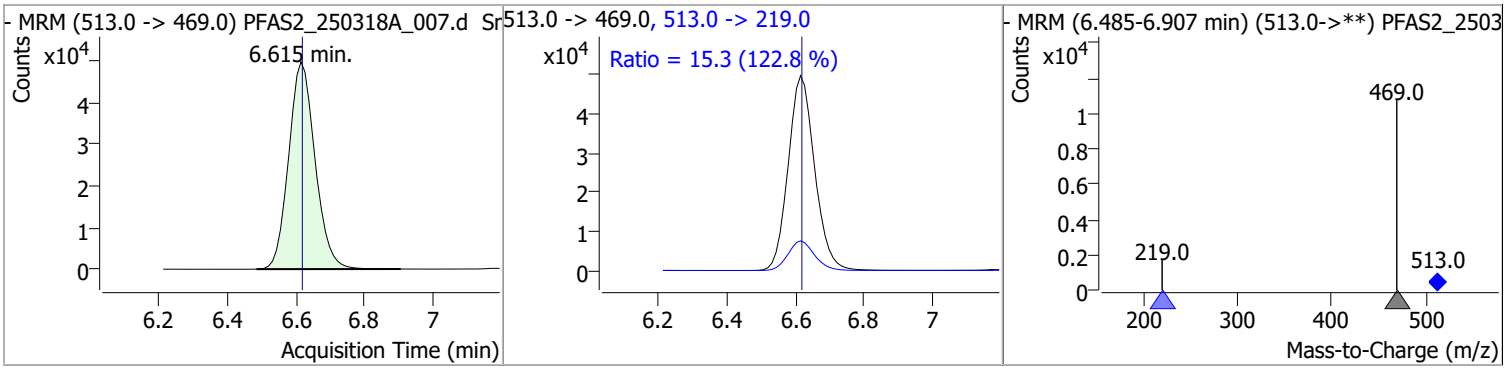
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3002	6.61	0.00	69928				



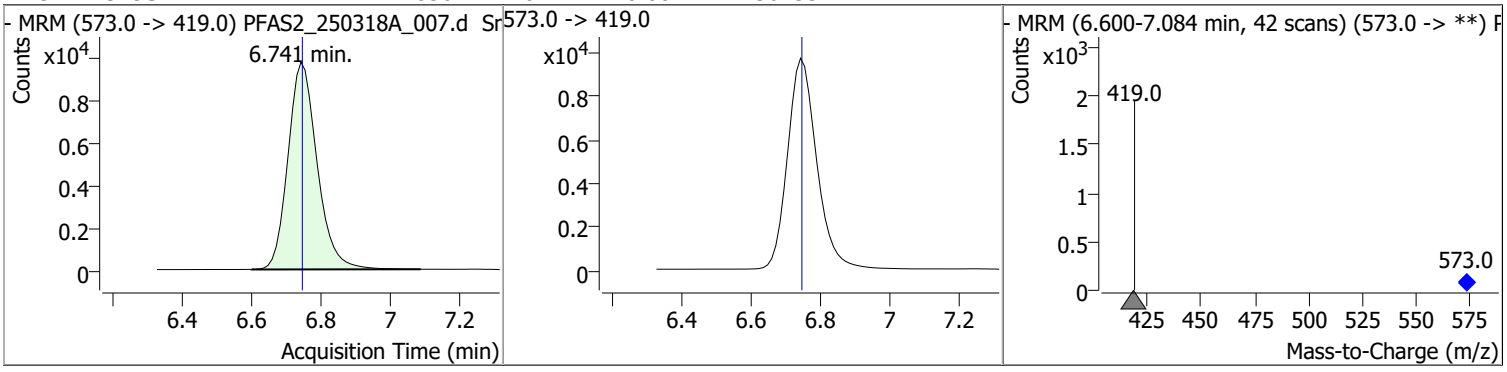
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66093				



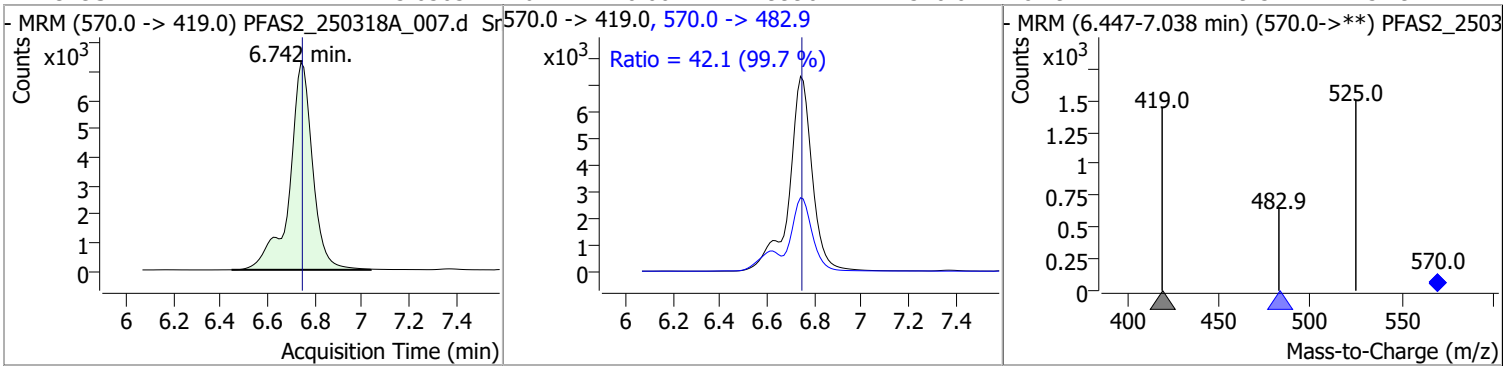
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	5.1727	6.62	0.00	266196	513.0 -> 219.0	15.3	8.7	16.2



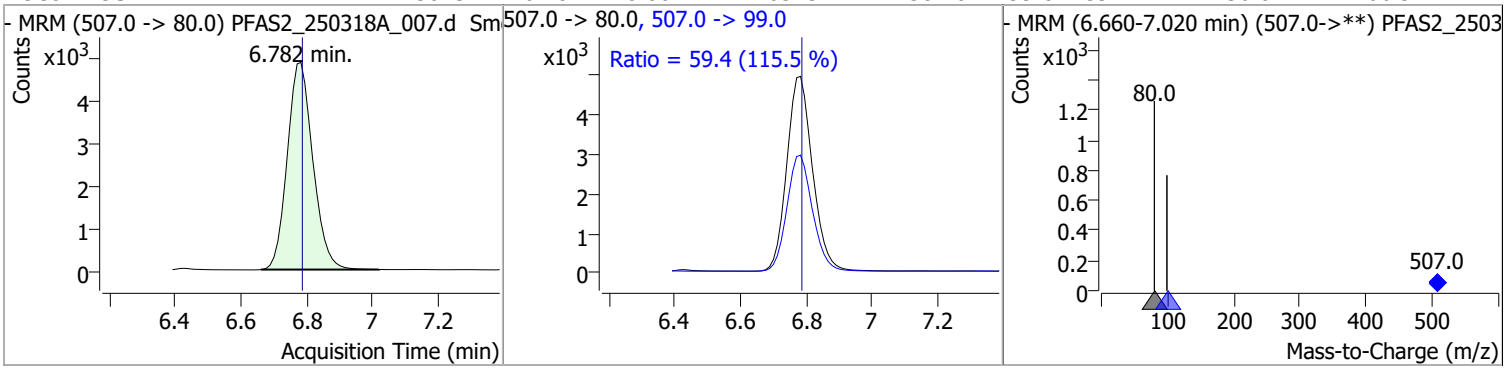
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8362	6.74	0.00	56235				



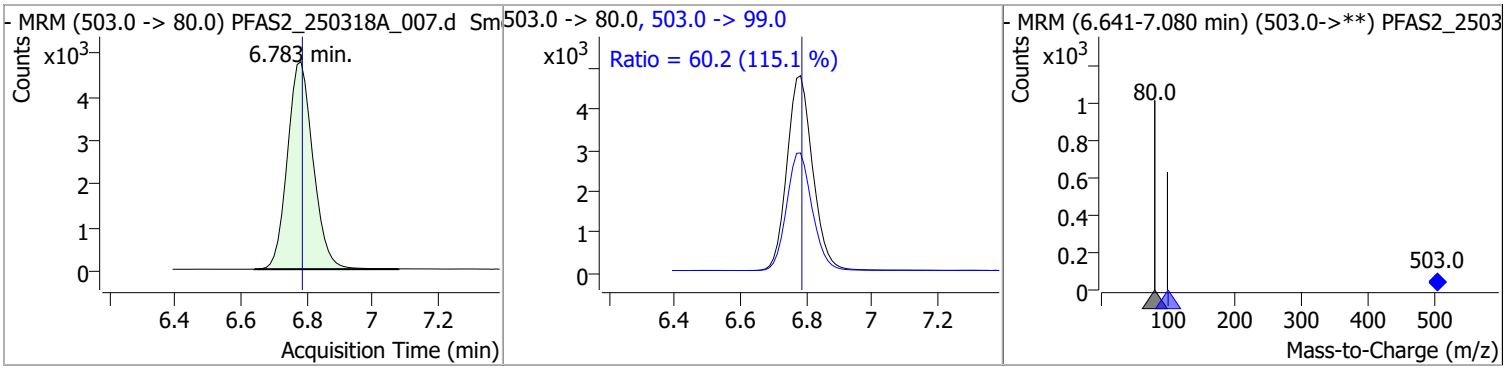
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	5.0303	6.74	0.00	49990	570.0 -> 482.9	42.1	29.5	54.9



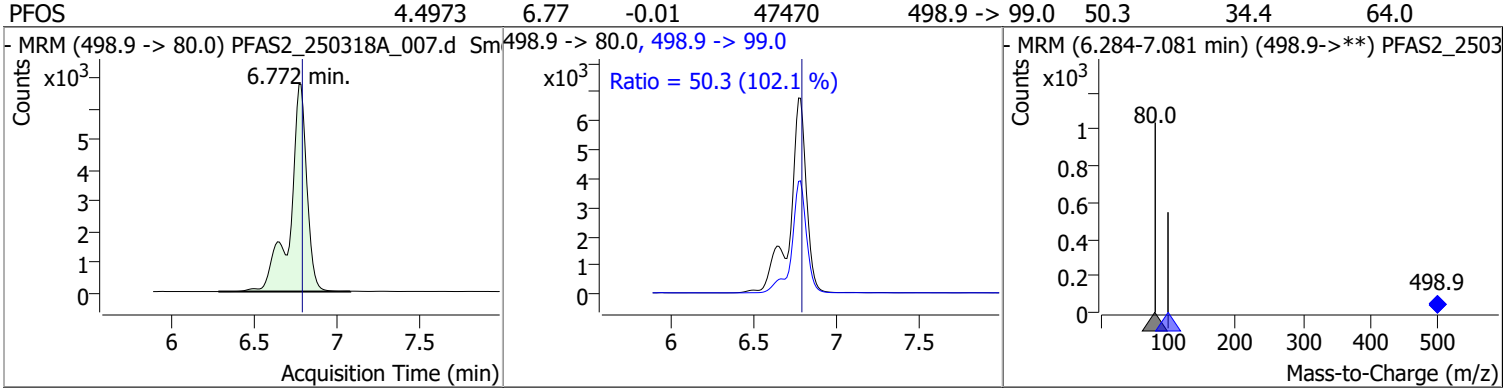
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5075	6.78	0.00	26373	507.0 -> 99.0	59.4	36.0	66.9



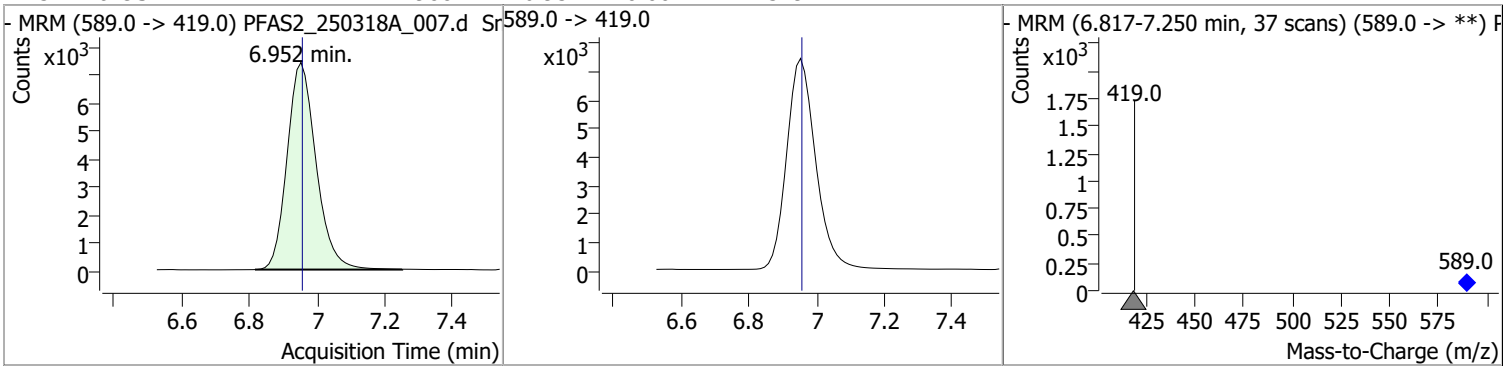
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	25915	503.0 -> 99.0	60.2	36.6	67.9



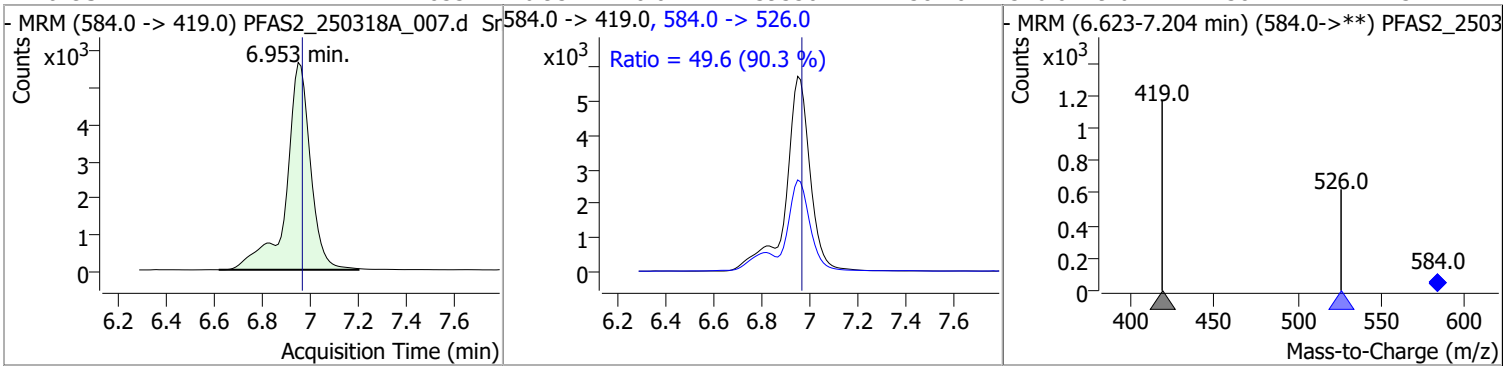
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	4.4973	6.77	-0.01	47470	498.9 -> 99.0	50.3	34.4	64.0



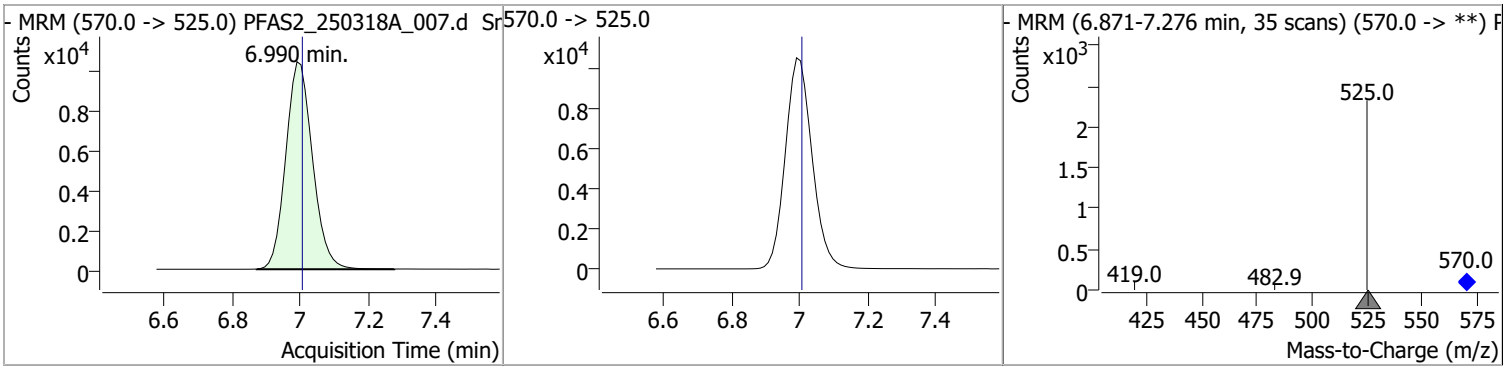
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9884	6.95	0.00	43792				



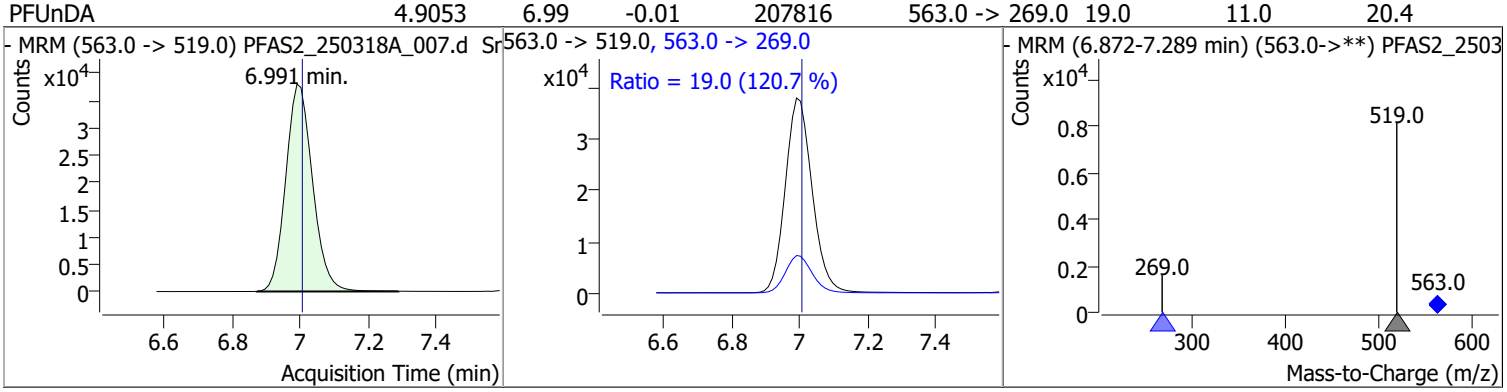
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	4.7833	6.95	-0.01	39550	584.0 -> 526.0	49.6	38.4	71.3



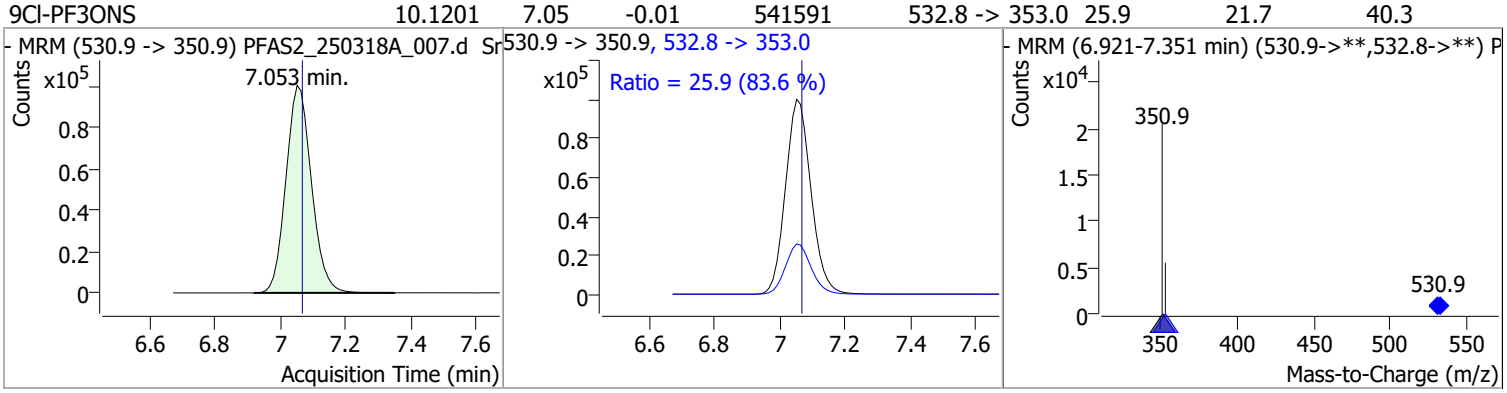
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3455	6.99	-0.01	57030				



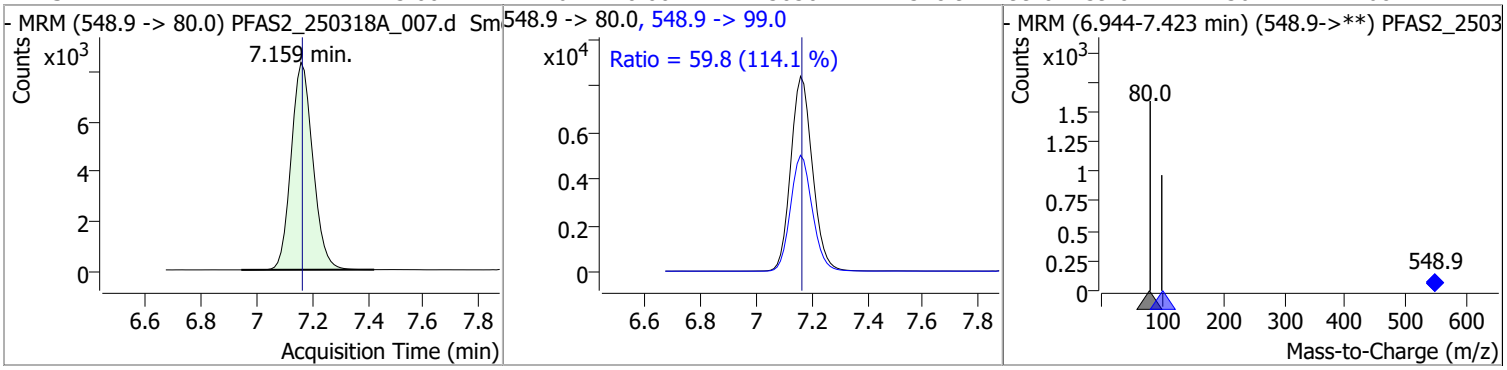
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	4.9053	6.99	-0.01	207816	563.0 -> 269.0	19.0	11.0	20.4



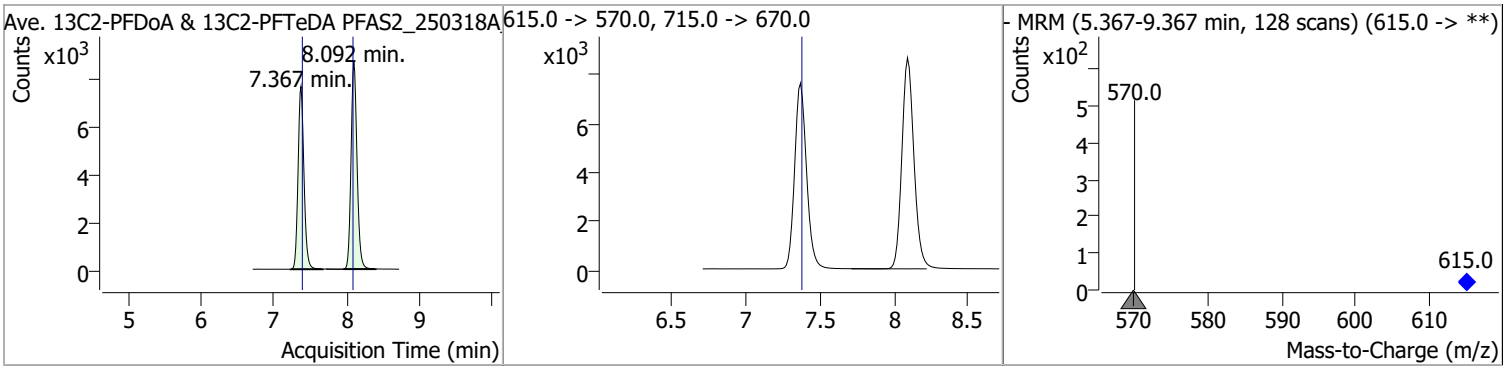
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	10.1201	7.05	-0.01	541591	532.8 -> 353.0	25.9	21.7	40.3



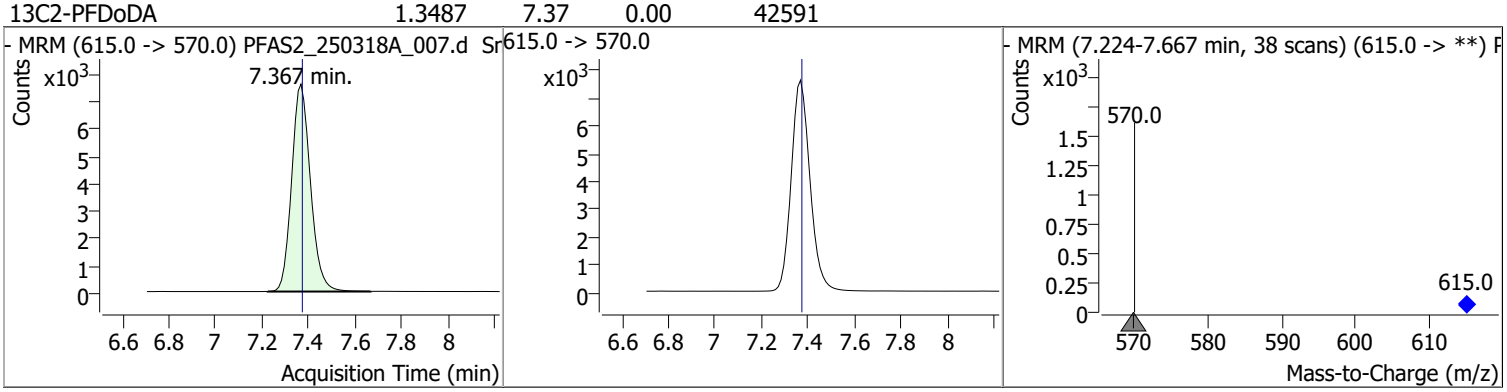
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	5.0074	7.16	0.00	45050	548.9 -> 99.0	59.8	36.7	68.1



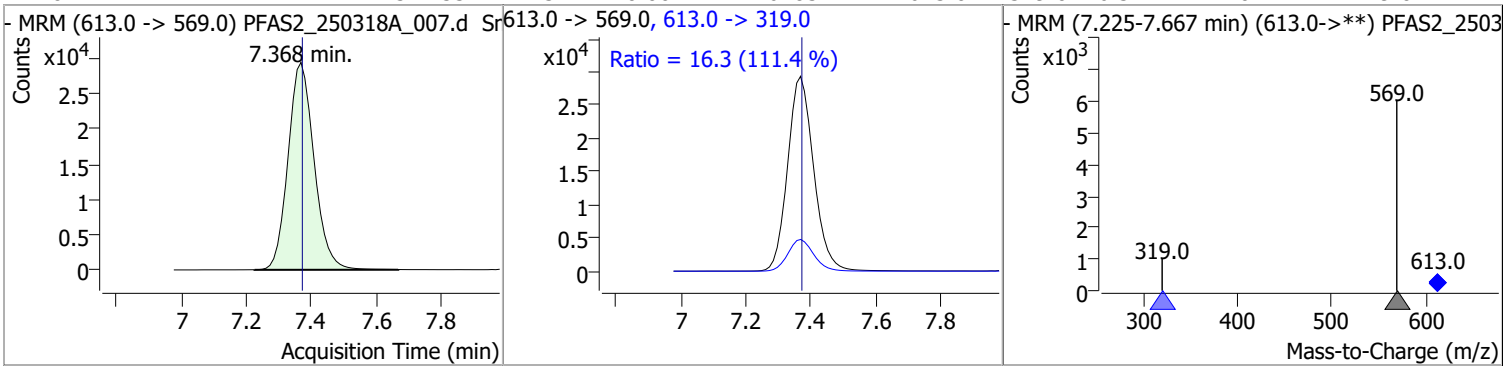
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3120	7.73	0.36	45837				



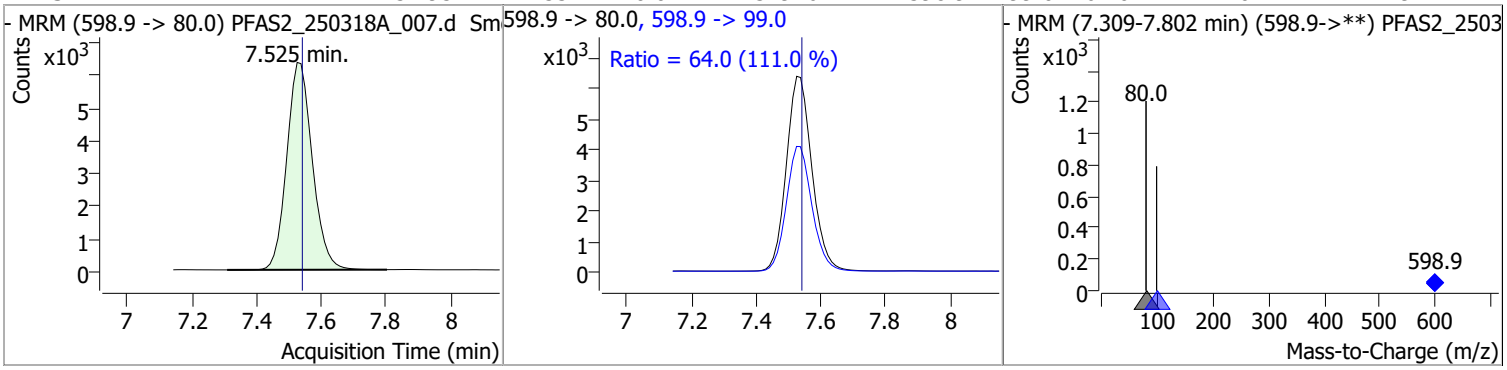
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3487	7.37	0.00	42591				



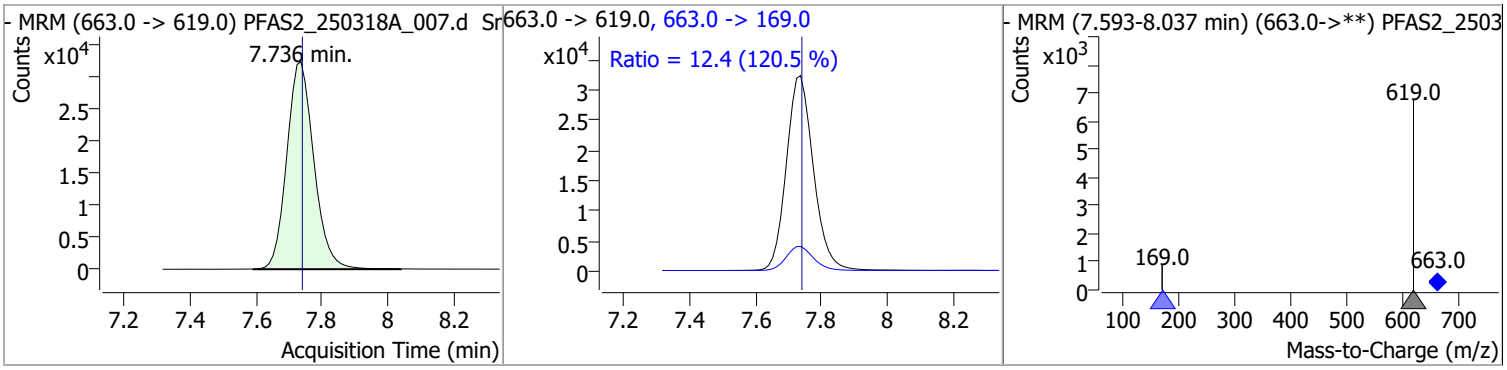
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	5.2153	7.37	0.00	162837	613.0 -> 319.0	16.3	10.2	19.0



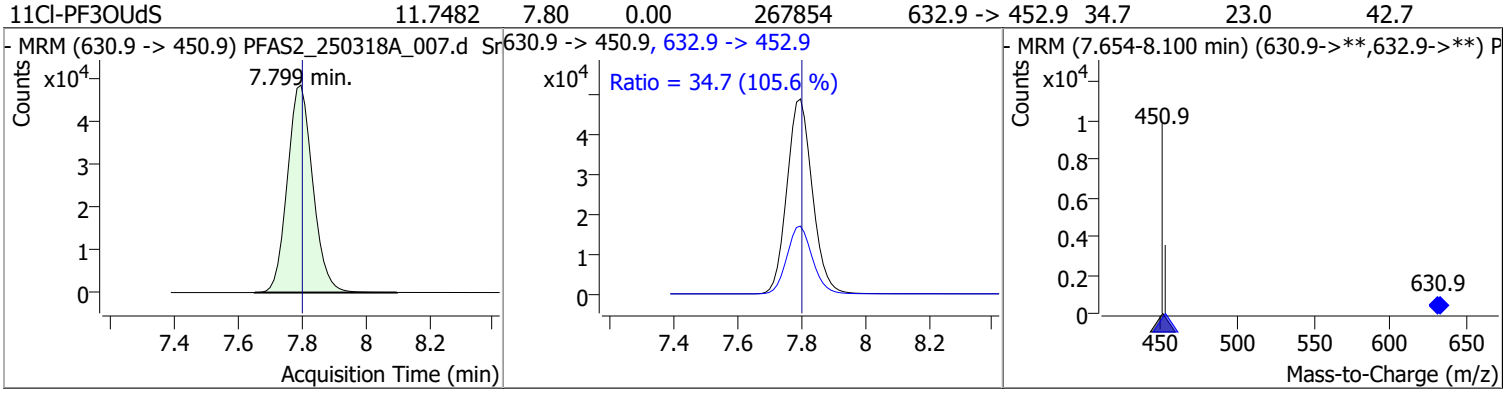
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	5.1957	7.53	-0.01	34926	598.9 -> 99.0	64.0	40.4	74.9



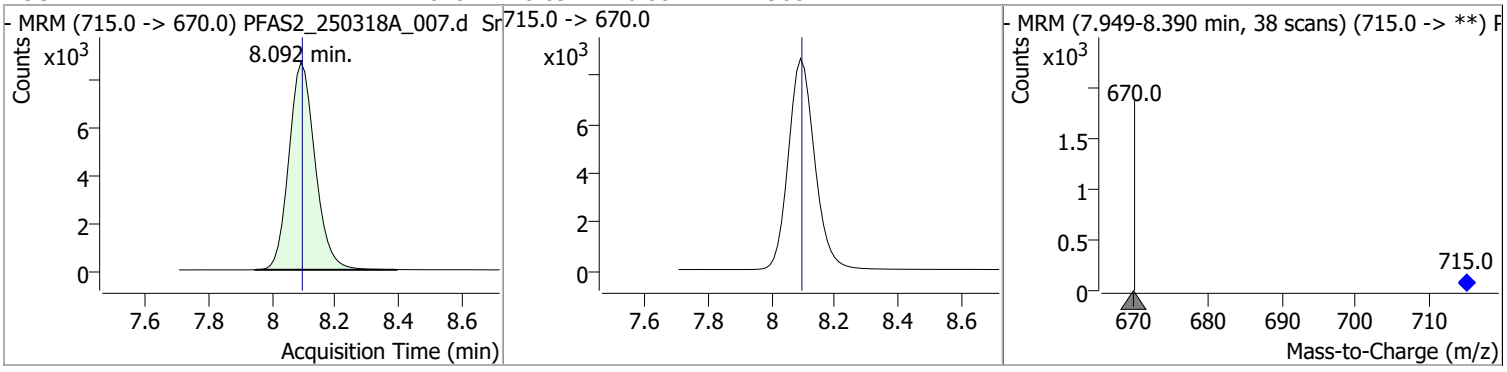
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	5.3212	7.74	0.00	183776	663.0 -> 169.0	12.4	7.2	13.4



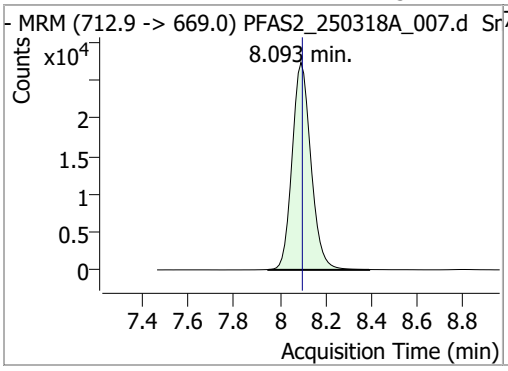
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	11.7482	7.80	0.00	267854	632.9 -> 452.9	34.7	23.0	42.7

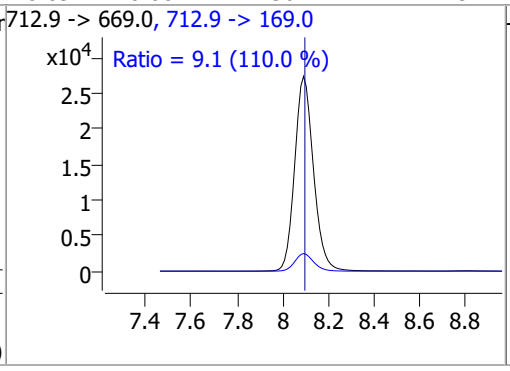


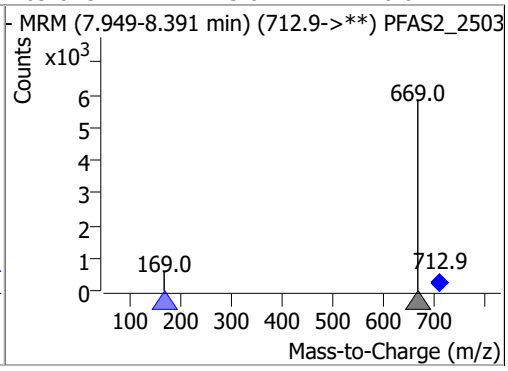
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2818	8.09	0.00	49082				



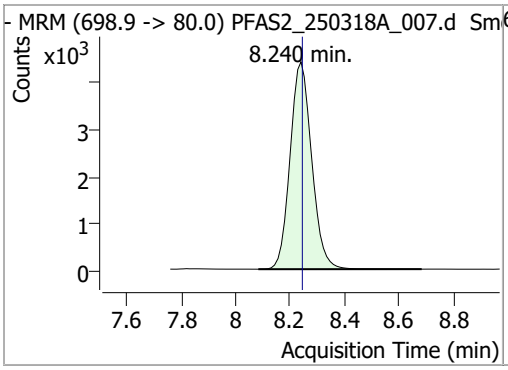
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	5.2114	8.09	0.00	156424	712.9 -> 169.0	9.1	5.8	10.8

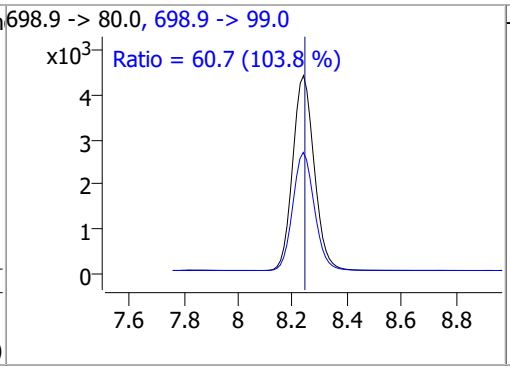


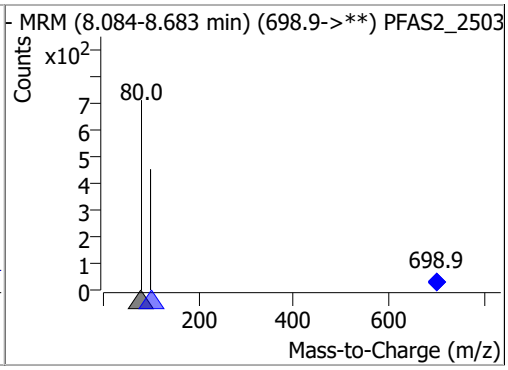




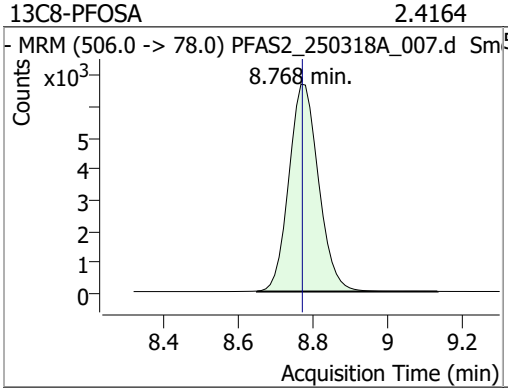
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	5.1320	8.24	0.00	24123	698.9 -> 99.0	60.7	41.0	76.1

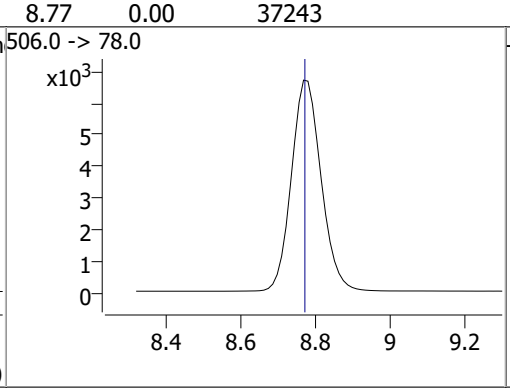


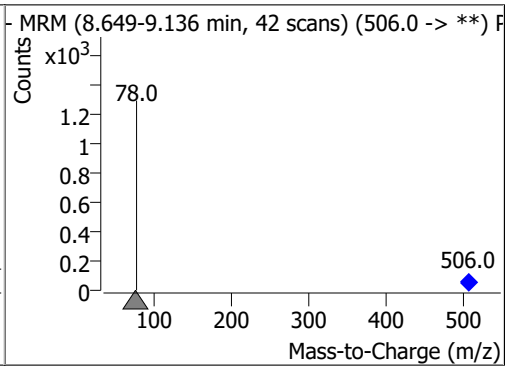




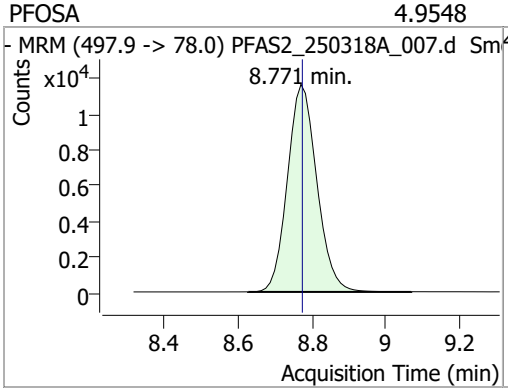
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4164	8.77	0.00	37243				

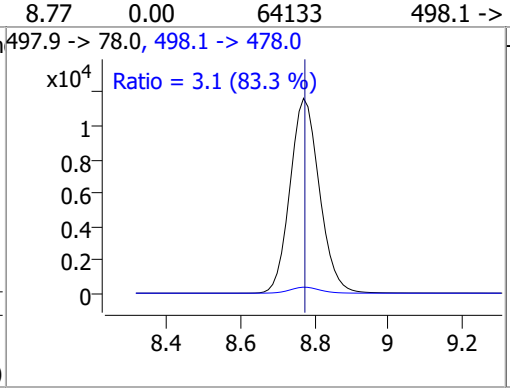


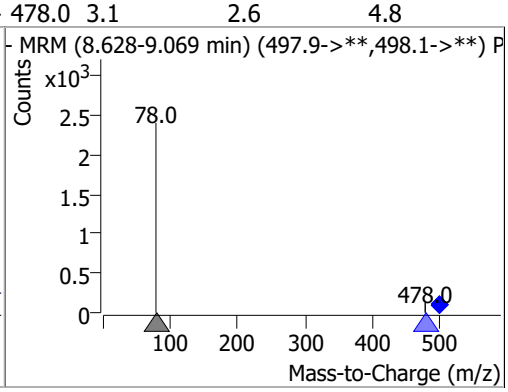




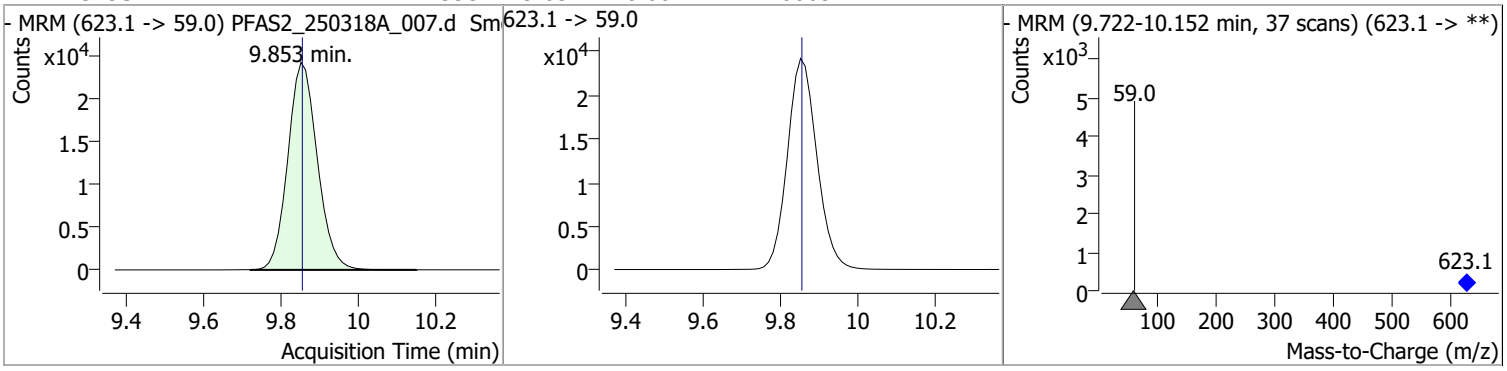
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	4.9548	8.77	0.00	64133	498.1 -> 478.0	3.1	2.6	4.8



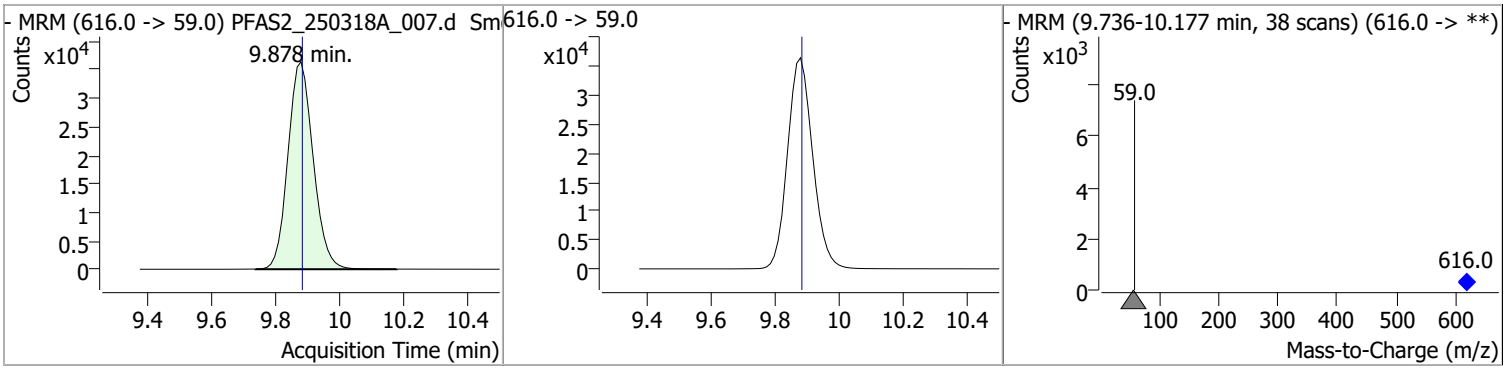




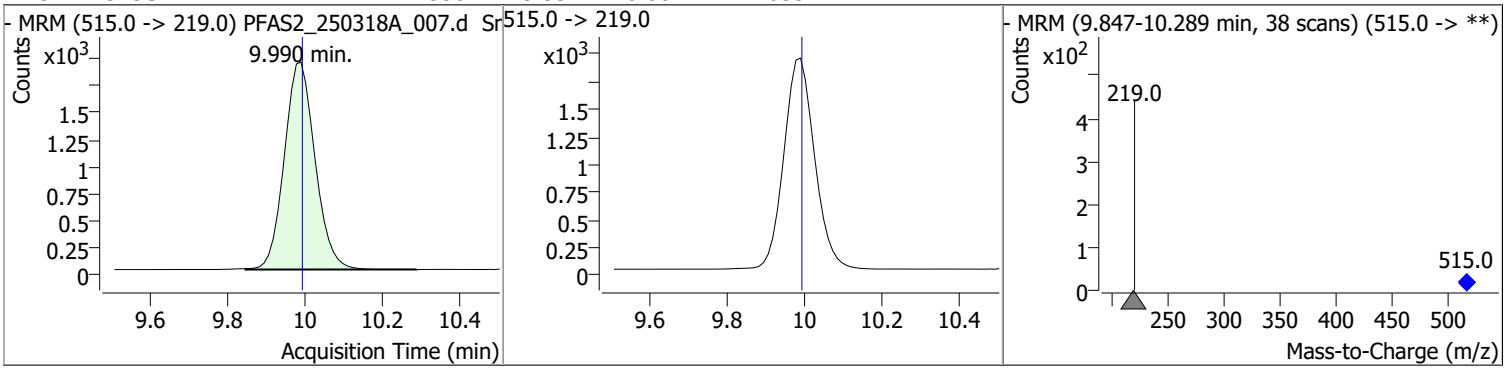
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.4995	9.85	0.00	128003				



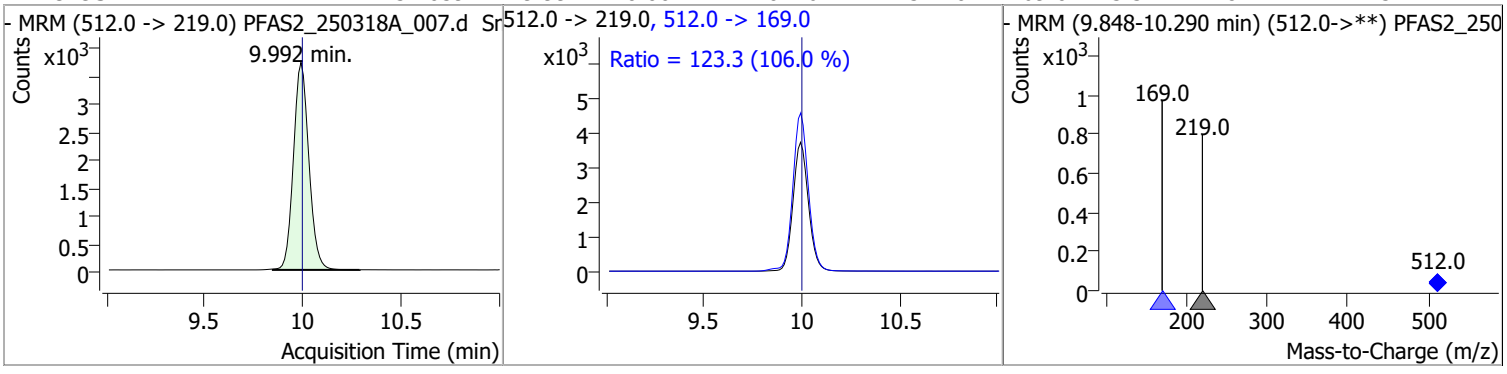
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	51.7249	9.88	0.00	198819				



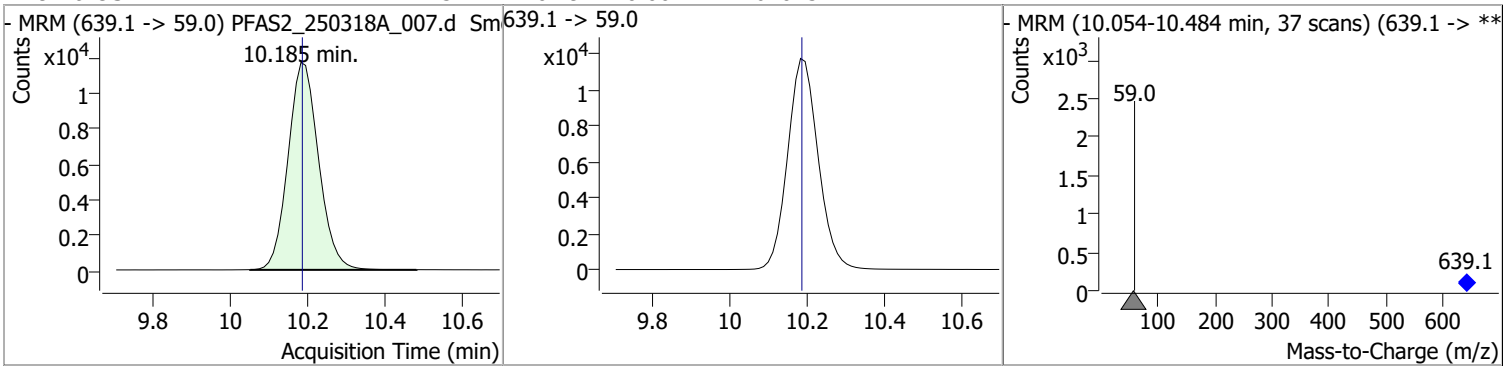
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4350	9.99	0.00	10532				



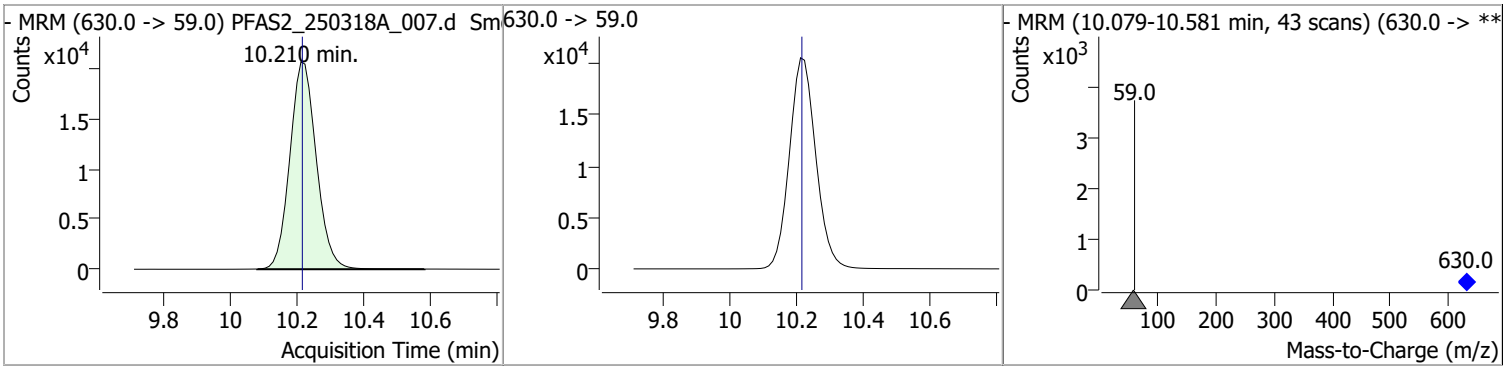
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	5.1059	9.99	0.00	20226	512.0 -> 169.0	123.3	81.4	151.2



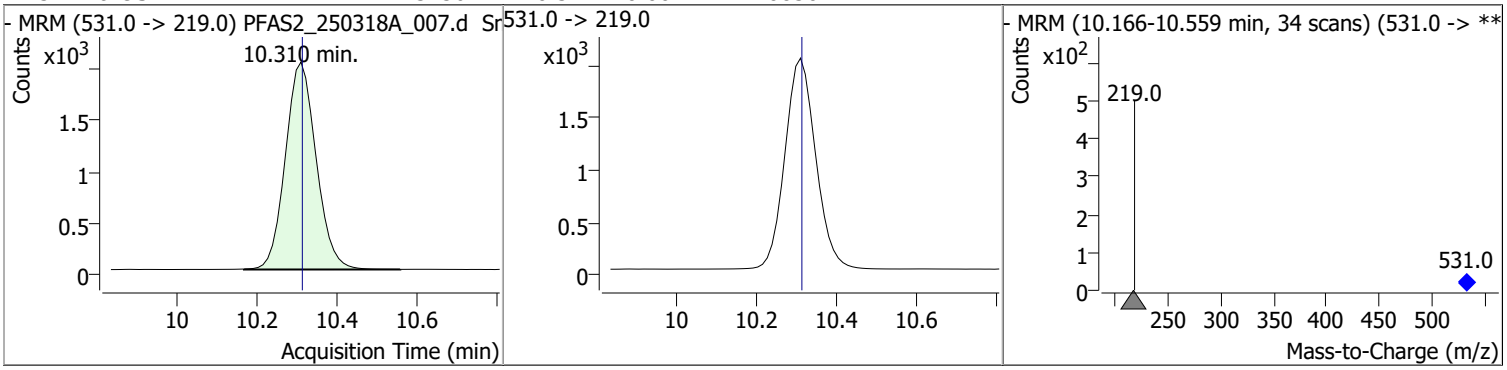
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2344	10.19	0.00	64073				



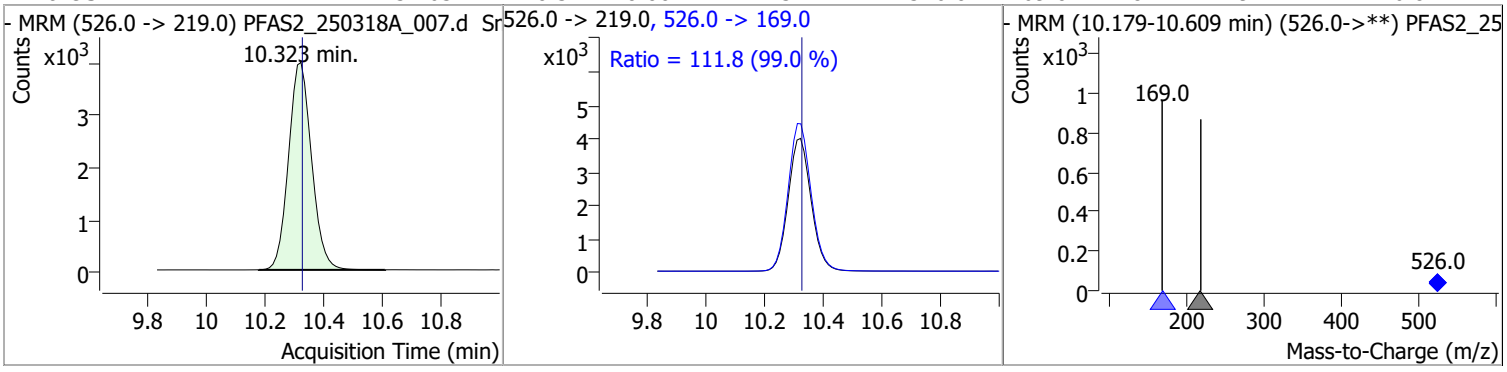
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	49.5561	10.21	0.00	113355				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3156	10.31	0.00	10830				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	5.1637	10.32	0.00	21571	526.0 -> 169.0	111.8	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_008.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:40:26 PM
Sample Name	SEQ-CAL6	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

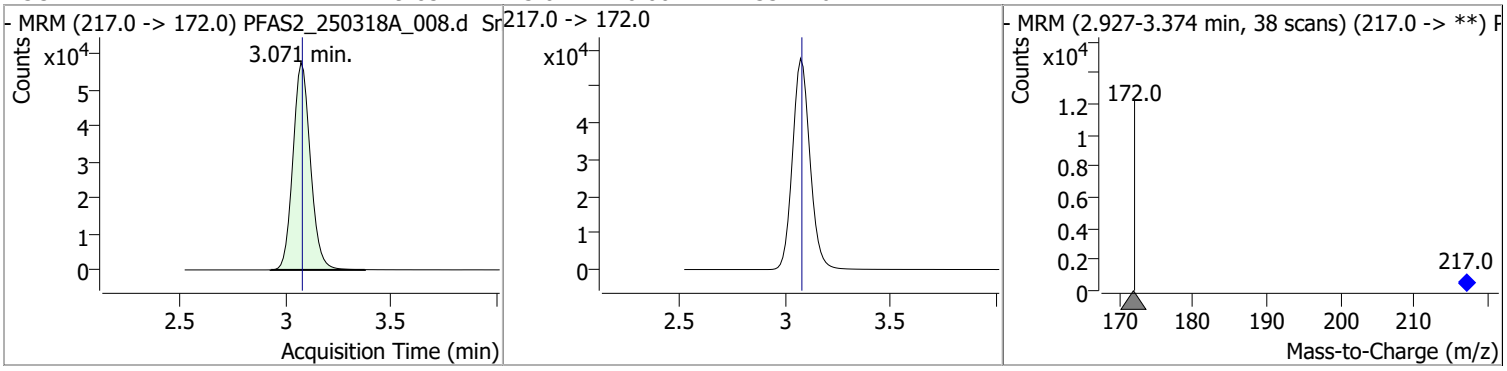
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	148036	5.0000	µg/L		8.180
13C2-PFHxA	4.890	315.0 -> 270.0	163643	2.5000	µg/L		6.660
18O2-PFHxS	5.955	403.0 -> 84.0	31564	2.5000	µg/L		6.528
13C4-PFOA	5.823	417.0 -> 172.0	16039	2.5000	µg/L		3.828
13C5-PFNA	6.226	468.0 -> 423.0	75888	1.2500	µg/L		6.626
13C2-PFDA	6.615	515.0 -> 470.0	72539	1.2500	µg/L		8.468
13C4-PFOS	6.783	503.0 -> 80.0	27120	2.5000	µg/L		8.876
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	331416	10.0000	µg/L		6.623
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.52%			
13C5-PFPeA	4.222	268.0 -> 223.0	219647	5.0000	µg/L		6.152
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.53%			
13C5-PFPeA	4.222	268.0 -> 223.0	219647	5.0000	µg/L		6.152
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.53%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25331	5.0000	µg/L		0.264
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.50%			
13C5-PFHxA	4.889	318.0 -> 273.0	178122	2.5000	µg/L		5.495
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	178122	2.5000	µg/L		5.495
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.89%			
13C3-PFBS	4.929	302.0 -> 80.0	64773	2.5000	µg/L		6.669
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.24%			
13C3-PFBS	4.929	302.0 -> 80.0	64773	2.5000	µg/L		6.669
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.24%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	187998	10.0000	µg/L		7.569
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.85%			
13C4-PFHpA	5.397	367.0 -> 322.0	197946	2.5000	µg/L		4.796
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.28%			
13C3-PFHxS	5.956	402.0 -> 80.0	36963	2.5000	µg/L		5.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.31%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	15034	5.0000	µg/L		1.796
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.66%			
13C8-PFOA	5.823	421.0 -> 376.0	181304	2.5000	µg/L		4.958
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.11%			
13C3-PFHxS	5.956	402.0 -> 80.0	36963	2.5000	µg/L		5.763
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.31%			
13C9-PFNA	6.225	472.0 -> 427.0	76712	1.2500	µg/L		8.867
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.06%			
13C8-PFOS	6.782	507.0 -> 80.0	26935	2.5000	µg/L		6.531
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.88%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	12558	5.0000	µg/L	#	6.013
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.39%			
13C6-PFDA	6.615	519.0 -> 474.0	72496	1.2500	µg/L		6.674
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.25%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	60082	5.0000	µg/L		7.638

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.75%		
13C8-PFOS	6.782	507.0 -> 80.0	26935	2.5000	µg/L	6.531
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.88%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46224	5.0000	µg/L	9.614
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.63%		
13C7-PFUnDA	7.002	570.0 -> 525.0	56943	1.2500	µg/L	6.232
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.92%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	46370	1.2500	µg/L	5.112
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.75%		
13C2-PFDoDA	7.367	615.0 -> 570.0	44259	1.2500	µg/L	10.800
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.16%		
13C2-PFTDA	8.092	715.0 -> 670.0	48481	1.2500	µg/L	0.406
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 92.28%		
13C8-PFOSA	8.768	506.0 -> 78.0	38429	2.5000	µg/L	3.971
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.30%		
2H7-MeFOSE	9.853	623.1 -> 59.0	133645	25.0000	µg/L	6.368
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.77%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10805	2.5000	µg/L	4.200
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.48%		
2H9-EtFOSE	10.185	639.1 -> 59.0	65864	25.0000	µg/L	3.708
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 95.22%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11896	2.5000	µg/L	5.839
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.22%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1132566	39.0030	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.51%		
PFMPA	3.614	229.0 -> 85.0	409009	19.3295	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.65%		
3-3 FTCA	3.778	241.0 -> 177.0	29306	39.0979	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.74%		
PFPeA	4.223	263.0 -> 219.0	787501	19.3708	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.85%		
PFMBA	4.453	279.0 -> 85.0	585970	19.0066	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.03%		
4-2 FTSA	4.698	327.0 -> 307.0	589635	38.2993	µg/L	99
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 102.13%		
NFDHA	4.823	295.0 -> 201.0	24477	18.6844	µg/L	96
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 93.42%		
PFHxA	4.892	313.0 -> 269.0	620228	9.7309	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.31%		
PFBS	4.918	298.9 -> 80.0	238119	8.8596	µg/L	92
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 99.88%		
HFPO-DA	5.087	285.0 -> 169.0	342903	20.5584	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.79%		
PFEESA	5.201	314.9 -> 135.0	1543755	17.5368	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 98.52%		
PFHpA	5.398	363.0 -> 319.0	737166	9.6409	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%		
5-3 FTCA	5.447	341.0 -> 237.0	991085	196.8126	µg/L	95
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 98.41%		
PFPeS	5.494	348.9 -> 80.0	196640	9.8528	µg/L	91
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 104.71%		
DONA	5.551	377.0 -> 251.0	1954979	17.6423	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 93.35%		

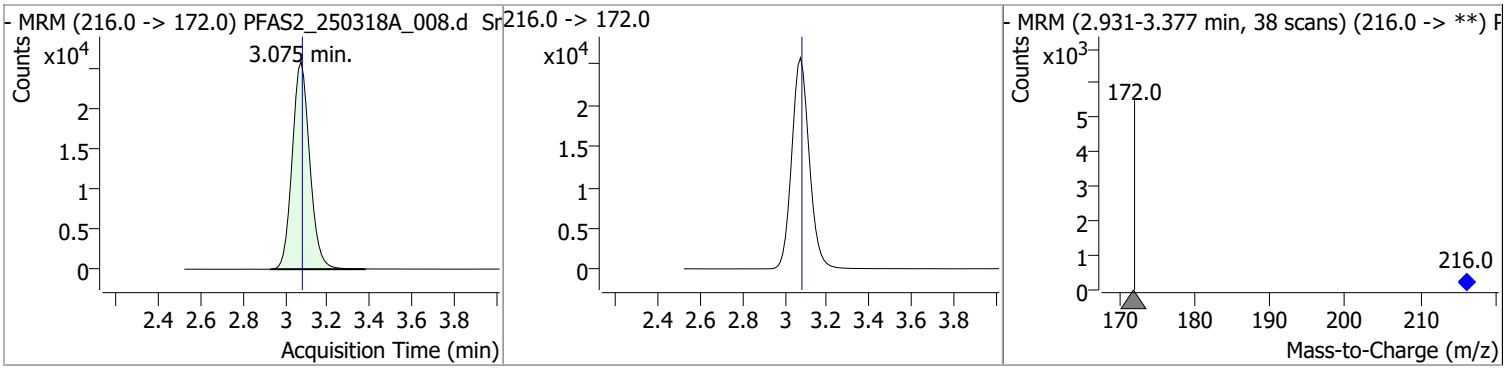
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	392997	37.9281	µg/L		89
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 99.81%			
PFOA	5.824	413.0 -> 369.0	681136	9.5063	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.06%			
PFHxS	5.957	398.9 -> 80.0	133710	9.3003	µg/L		90
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 101.75%			
PFNA	6.226	463.0 -> 419.0	577110	9.6422	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.42%			
PFHpS	6.382	448.9 -> 80.0	106354	9.4931	µg/L		93
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 99.61%			
8-2 FTSA	6.436	527.0 -> 507.0	210664	38.0416	µg/L	#	72
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 99.07%			
7-3 FTCA	6.597	441.0 -> 317.0	744466	193.6339	µg/L		91
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 96.82%			
PFDA	6.615	513.0 -> 469.0	513748	9.5843	µg/L	#	90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.84%			
N-MeFOSAA	6.742	570.0 -> 419.0	102363	9.6359	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.36%			
PFOS	6.784	498.9 -> 80.0	92478	8.5504	µg/L		93
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 92.14%			
N-EtFOSAA	6.965	584.0 -> 419.0	85268	9.7587	µg/L		91
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.59%			
PFUnDA	7.003	563.0 -> 519.0	409097	9.6582	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.58%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1054503	18.2021	µg/L		91
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 97.34%			
PFNS	7.159	548.9 -> 80.0	91396	9.9471	µg/L		91
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 103.40%			
PFDoDA	7.368	613.0 -> 569.0	334616	10.3131	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.13%			
PFDS	7.537	598.9 -> 80.0	71662	10.4384	µg/L		96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 108.17%			
PFTrDA	7.736	663.0 -> 619.0	375537	10.7484	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 107.48%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	539990	21.6850	µg/L		98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 114.74%			
PFTDA	8.093	712.9 -> 669.0	309923	10.4477	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.48%			
PFDoS	8.240	698.9 -> 80.0	47004	9.7913	µg/L		96
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 100.94%			
PFOSA	8.771	497.9 -> 78.0	131754	9.8650	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.65%			
MeFOSE	9.878	616.0 -> 59.0	398454	99.6570	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.66%			
N-MeFOSA	9.992	512.0 -> 219.0	39799	9.7933	µg/L		88
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.93%			
EtFOSE	10.210	630.0 -> 59.0	229352	98.1122	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 98.11%			
N-EtFOSA	10.323	526.0 -> 219.0	47570	10.3668	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.67%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

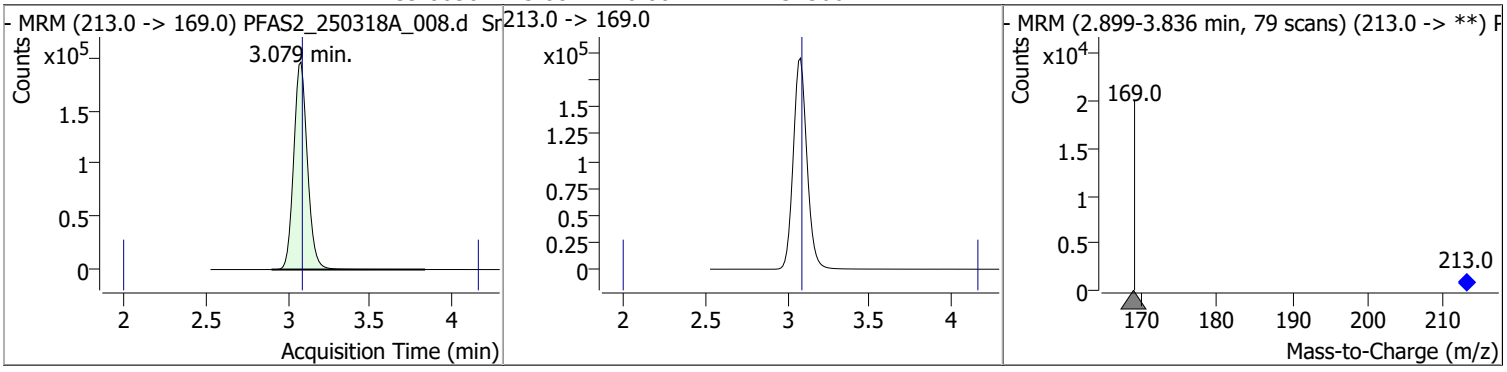
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8517	3.07	0.00	331416				



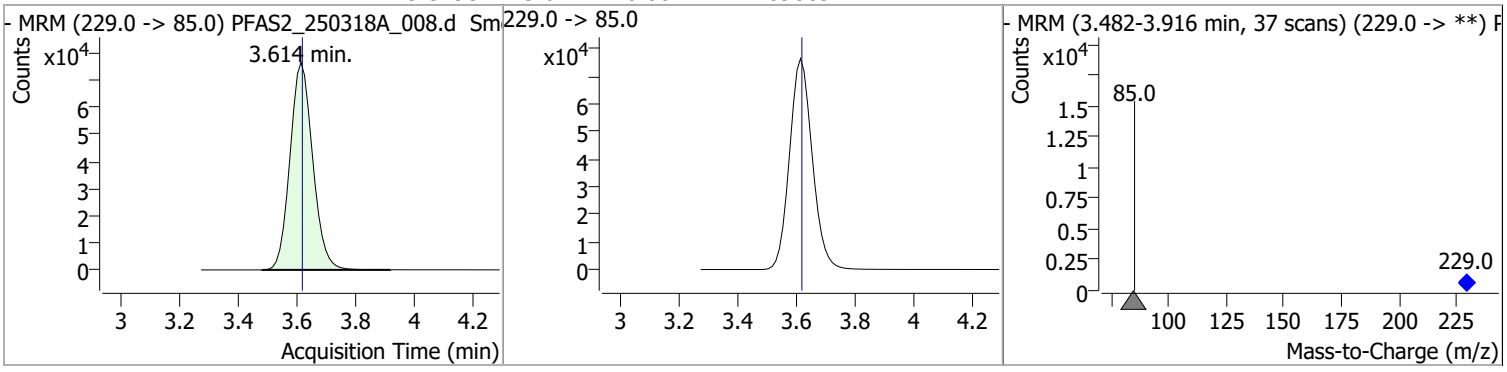
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	148036				



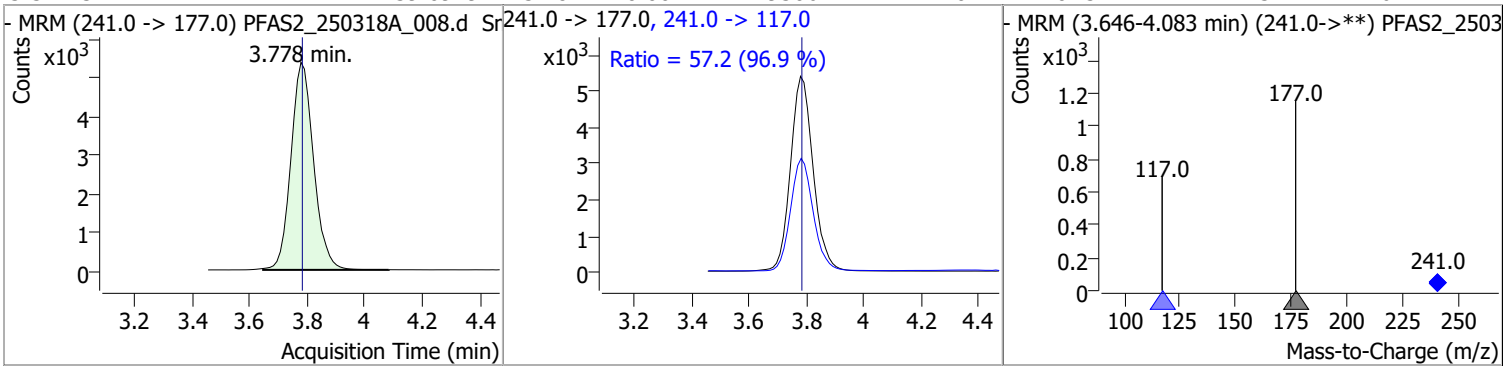
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	39.0030	3.08	0.00	1132566				



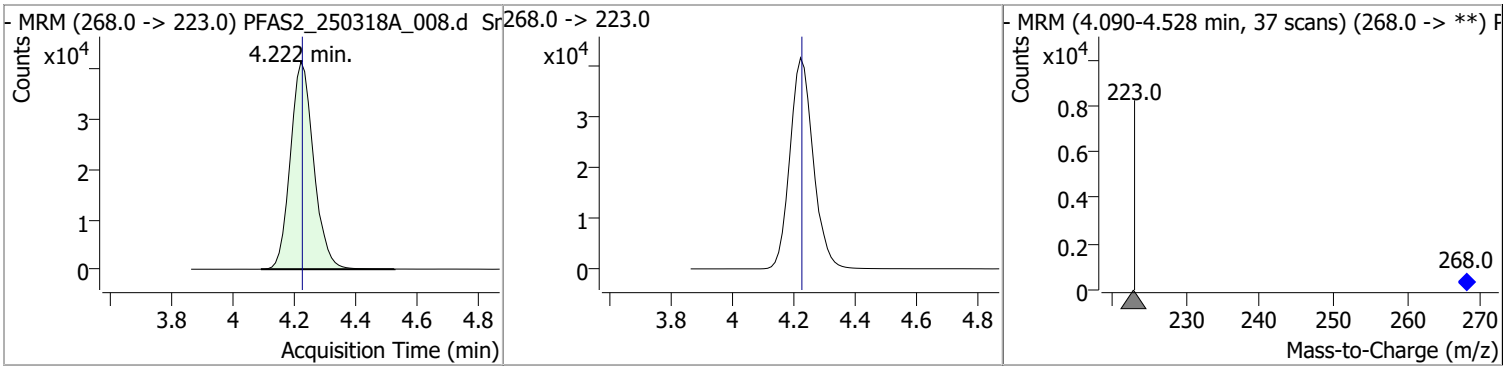
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.3295	3.61	0.00	409009				



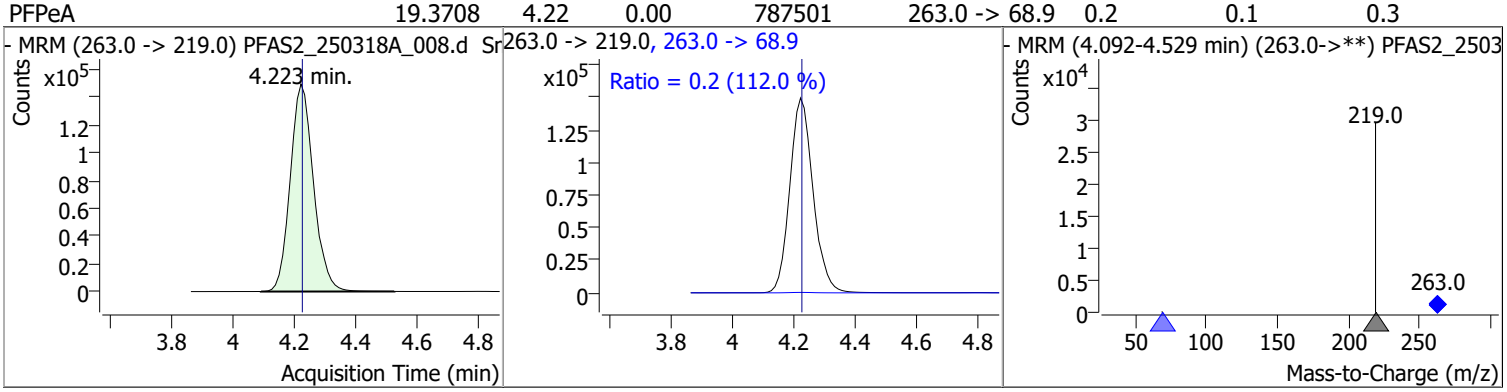
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	39.0979	3.78	0.00	29306	241.0 -> 117.0	57.2	41.3	76.7



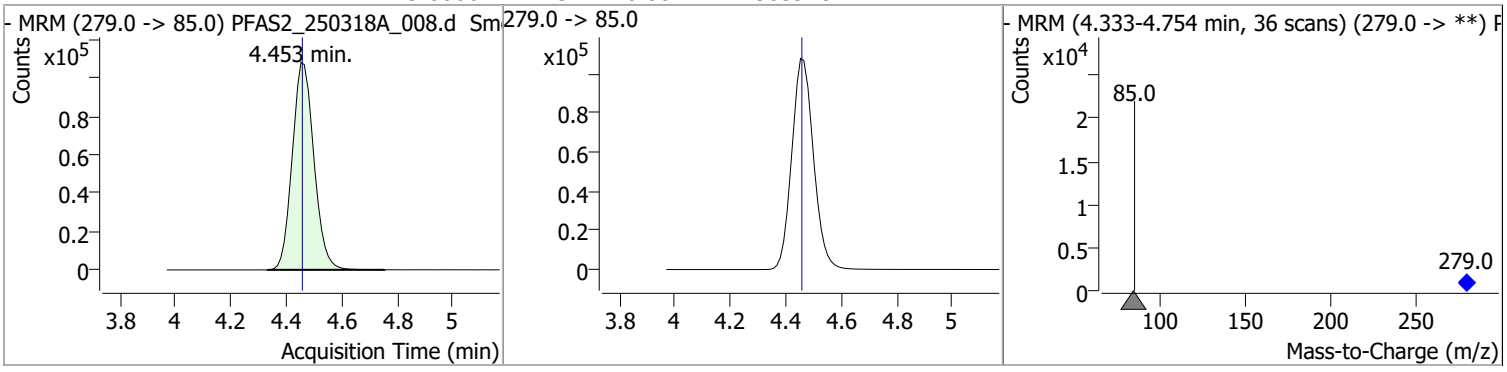
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9764	4.22	0.00	219647				



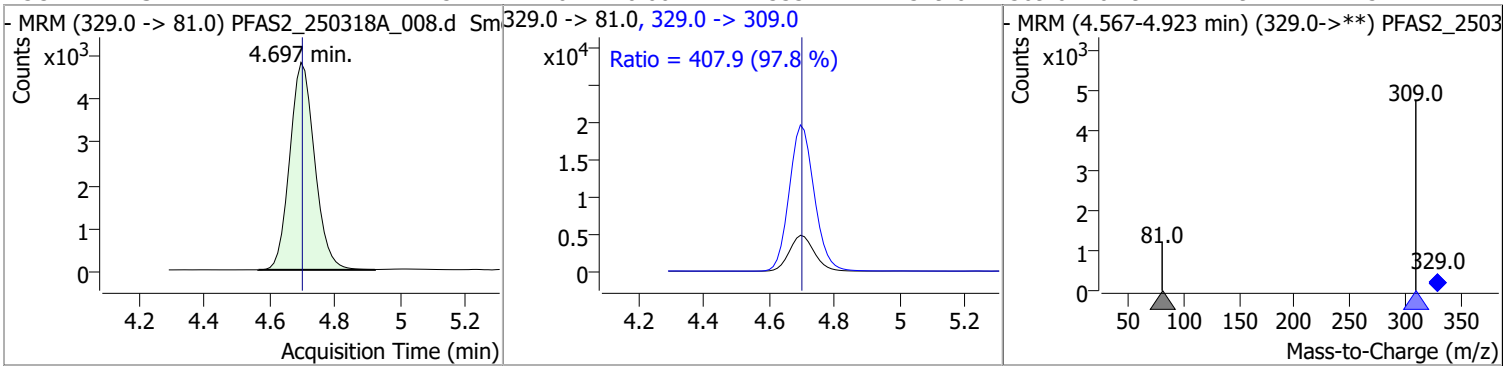
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.3708	4.22	0.00	787501	263.0 -> 68.9	0.2	0.1	0.3



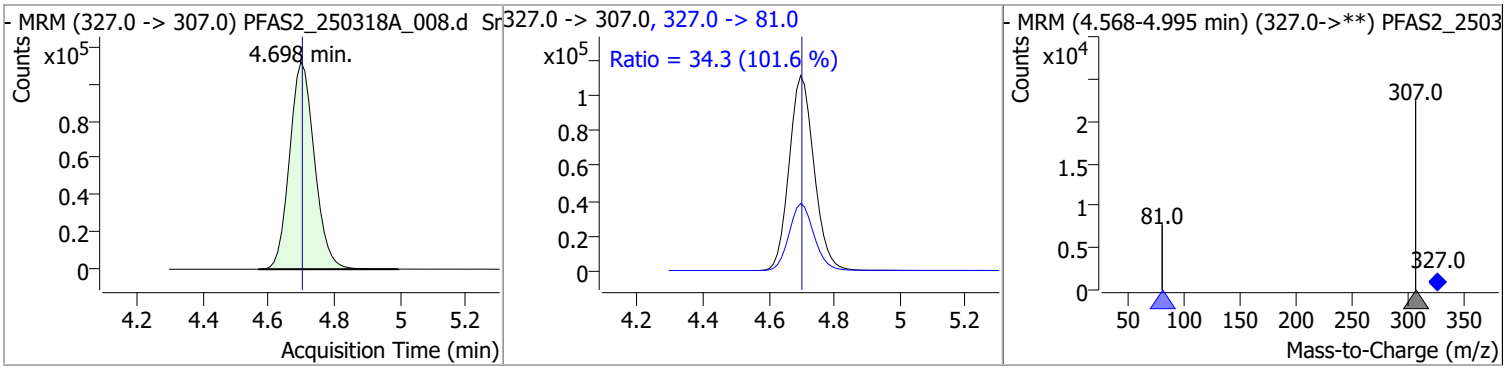
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.0066	4.45	0.00	585970				



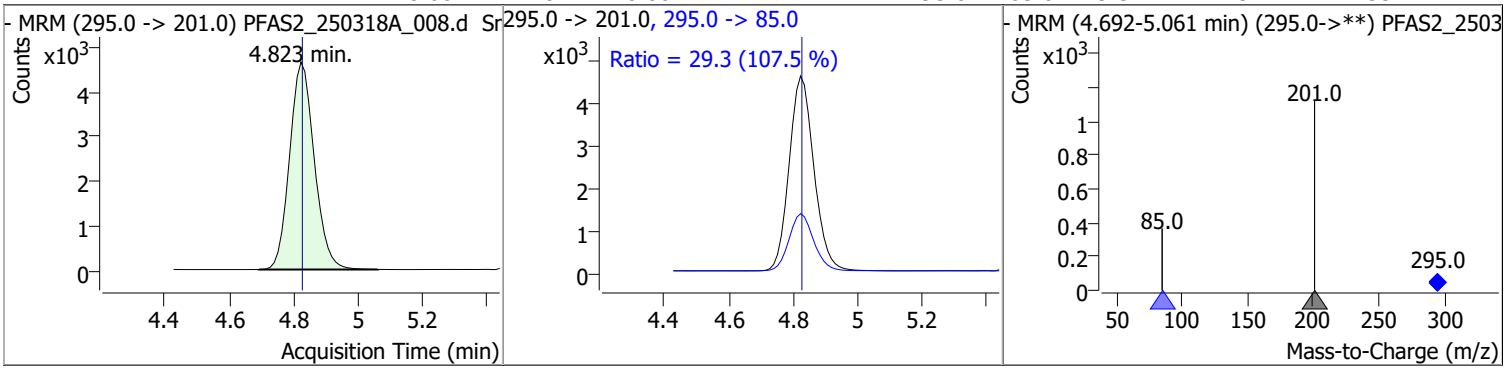
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.7251	4.70	0.00	25331	329.0 -> 309.0	407.9	292.1	542.4



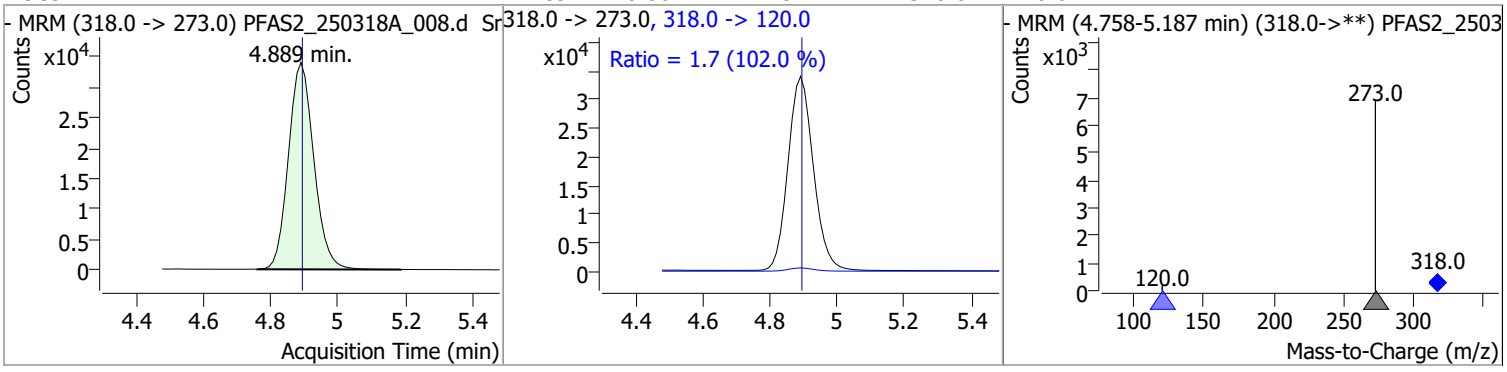
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	38.2993	4.70	0.00	589635	327.0 -> 81.0	34.3	23.6	43.9



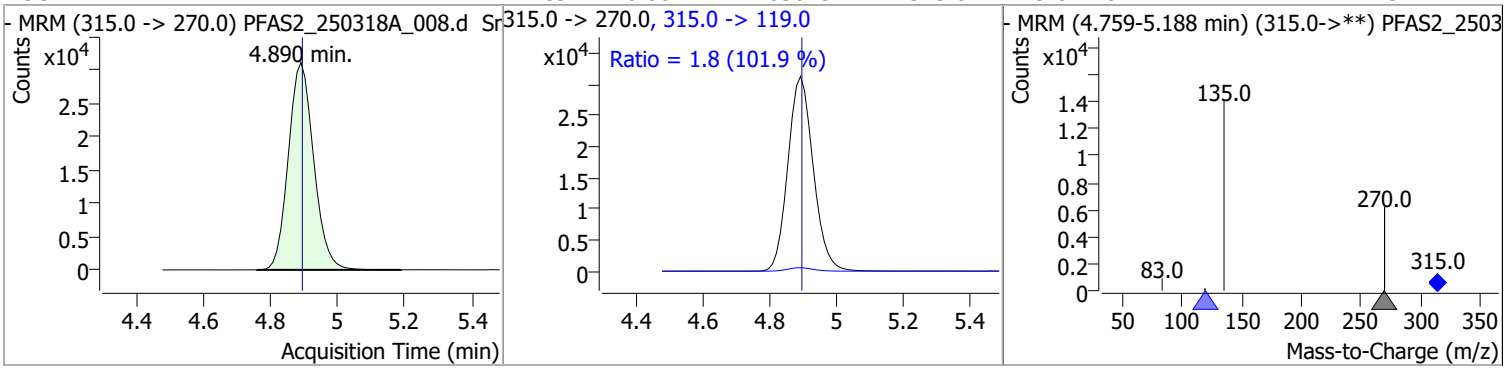
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	18.6844	4.82	0.00	24477	295.0 -> 85.0	29.3	19.1	35.4



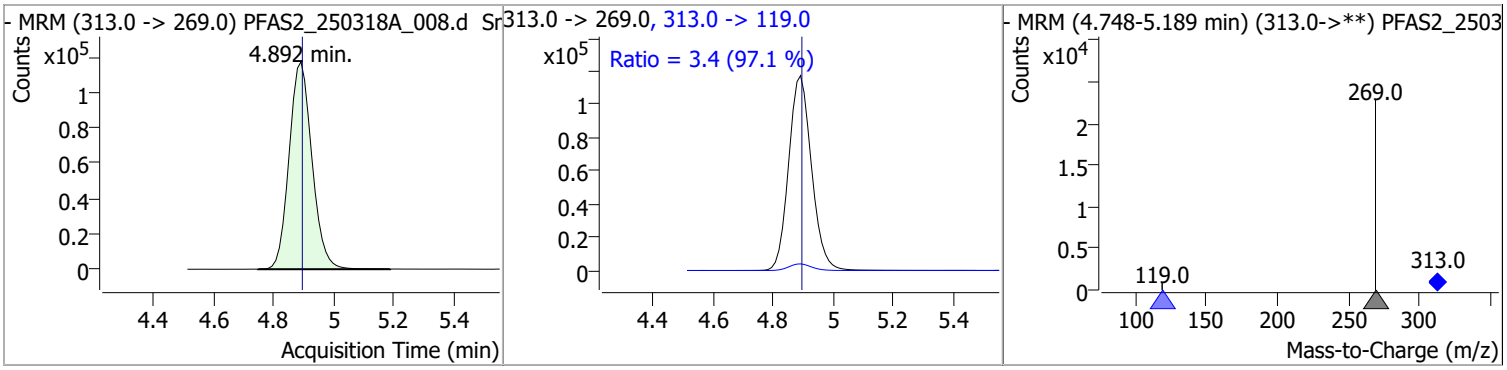
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4721	4.89	0.00	178122	318.0 -> 120.0	1.7	1.1	2.1



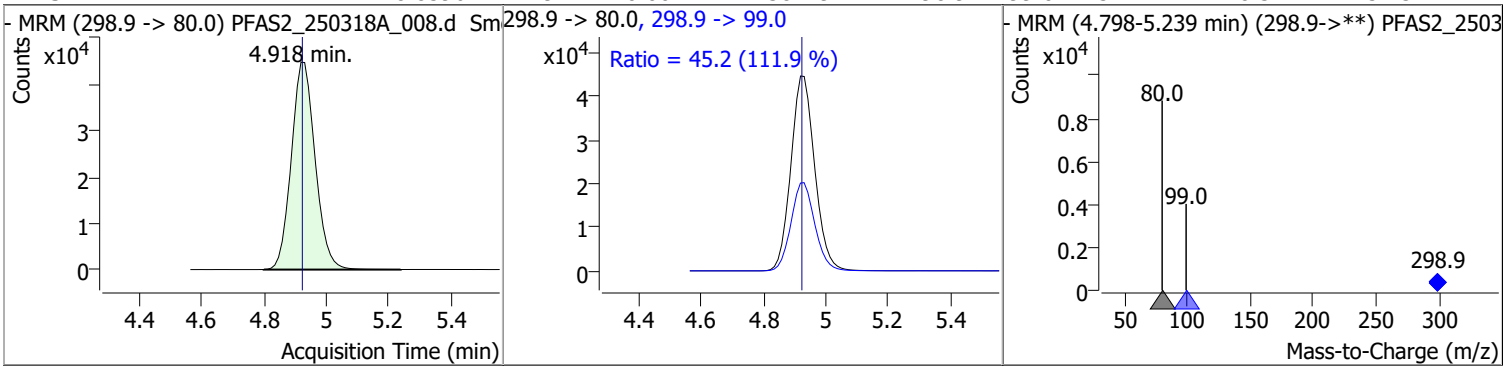
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	163643	315.0 -> 119.0	1.8	1.2	2.3



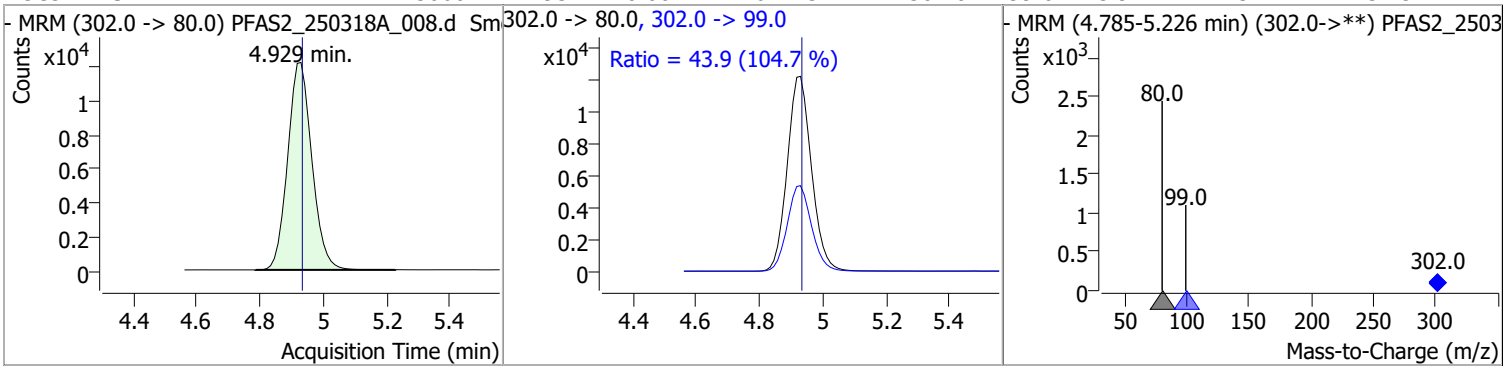
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.7309	4.89	0.00	620228	313.0 -> 119.0	3.4	2.4	4.5



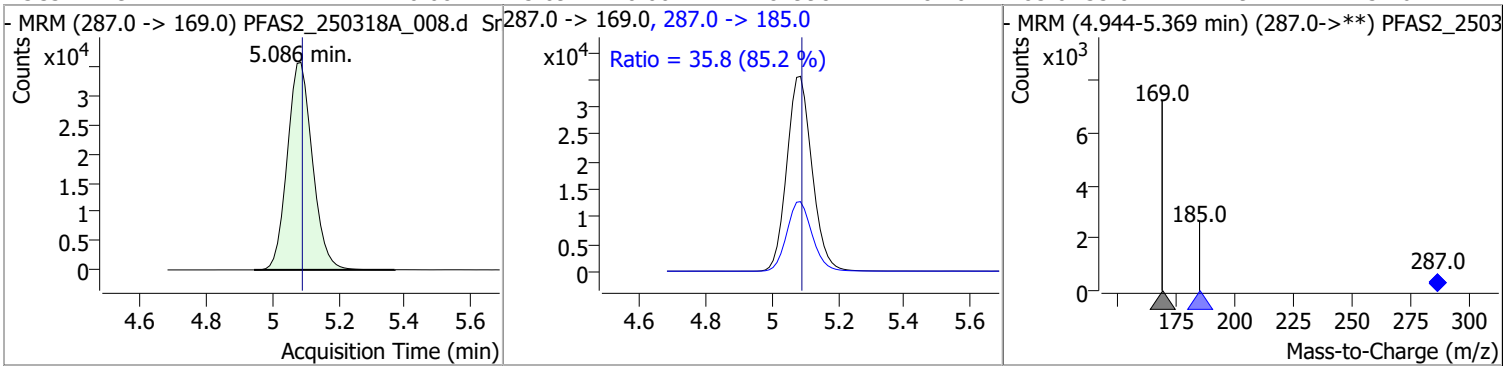
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.8596	4.92	0.00	238119	298.9 -> 99.0	45.2	28.3	52.5



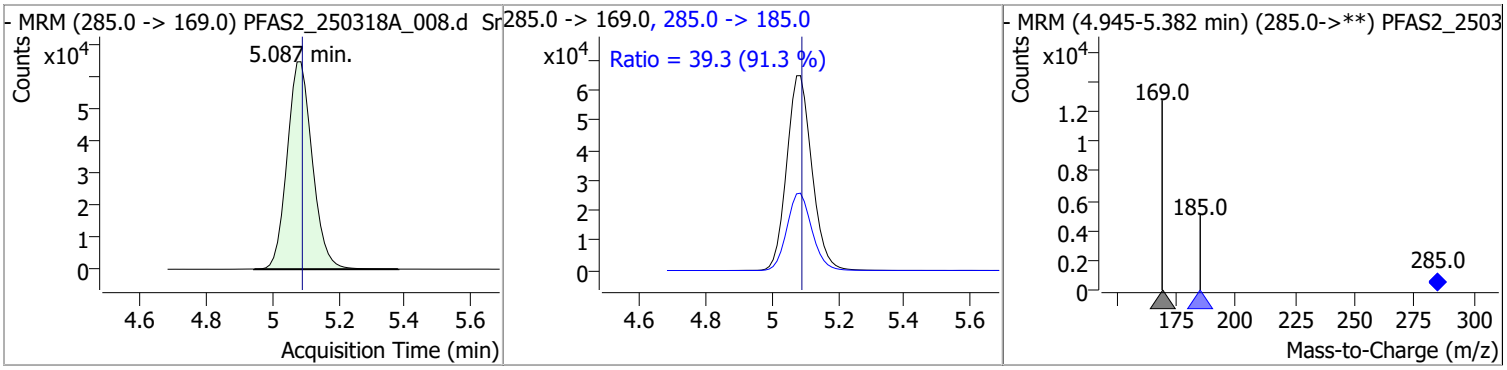
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5060	4.93	0.00	64773	302.0 -> 99.0	43.9	29.4	54.5



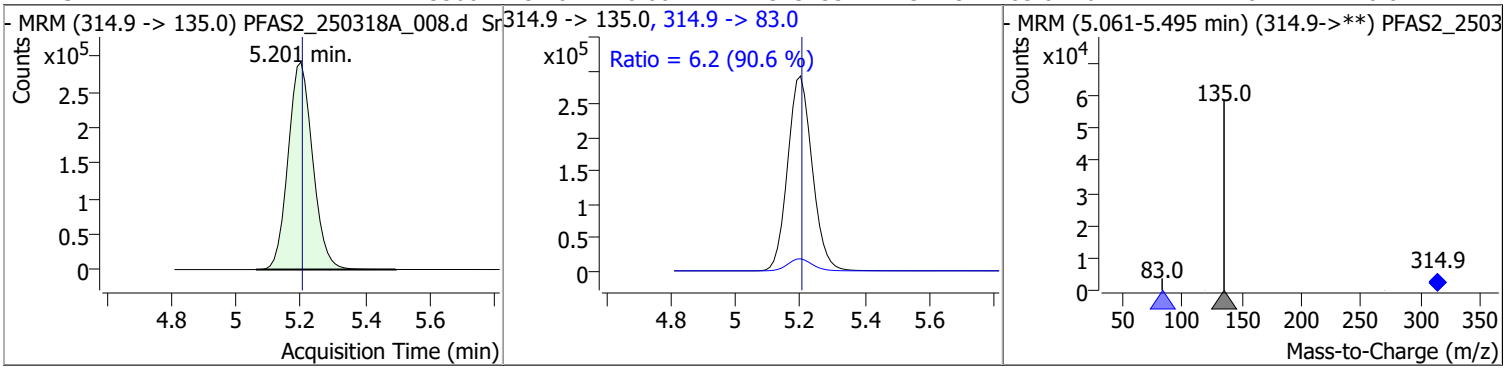
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0847	5.09	0.00	187998	287.0 -> 185.0	35.8	29.4	54.6



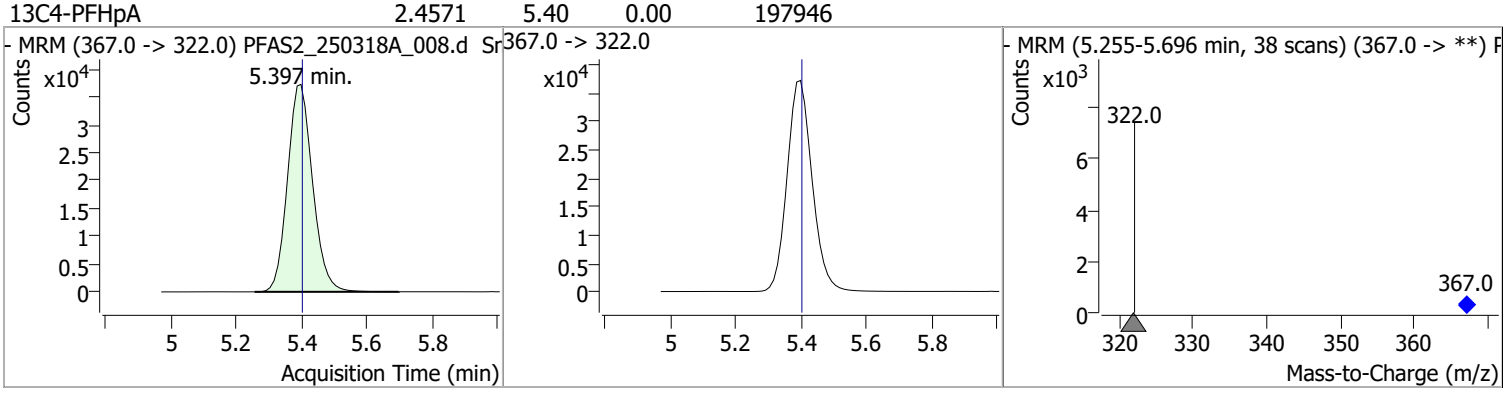
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	20.5584	5.09	0.00	342903	285.0 -> 185.0	39.3	30.1	56.0



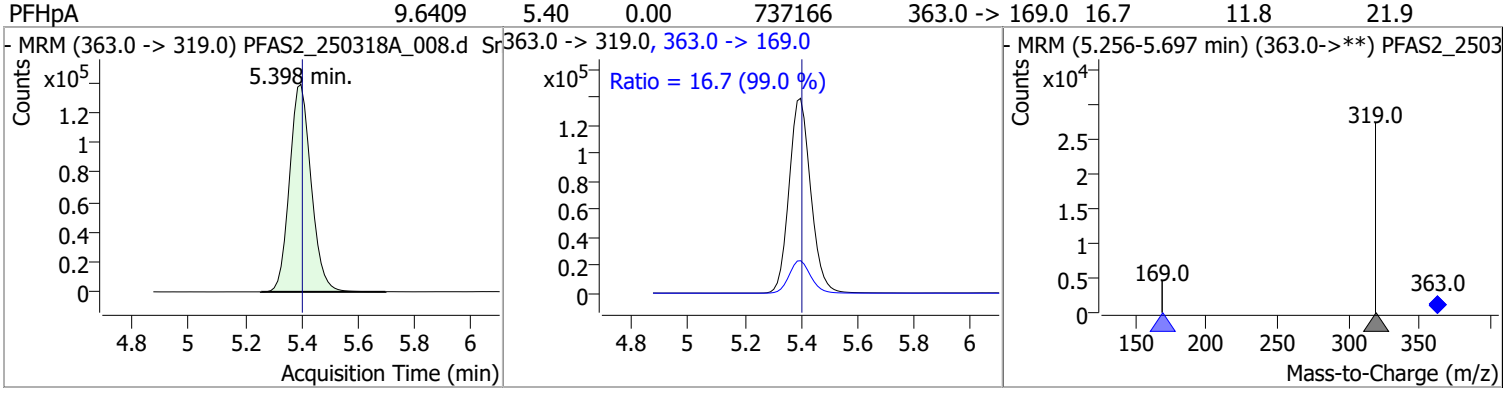
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.5368	5.20	0.00	1543755	314.9 -> 83.0	6.2	4.8	8.8



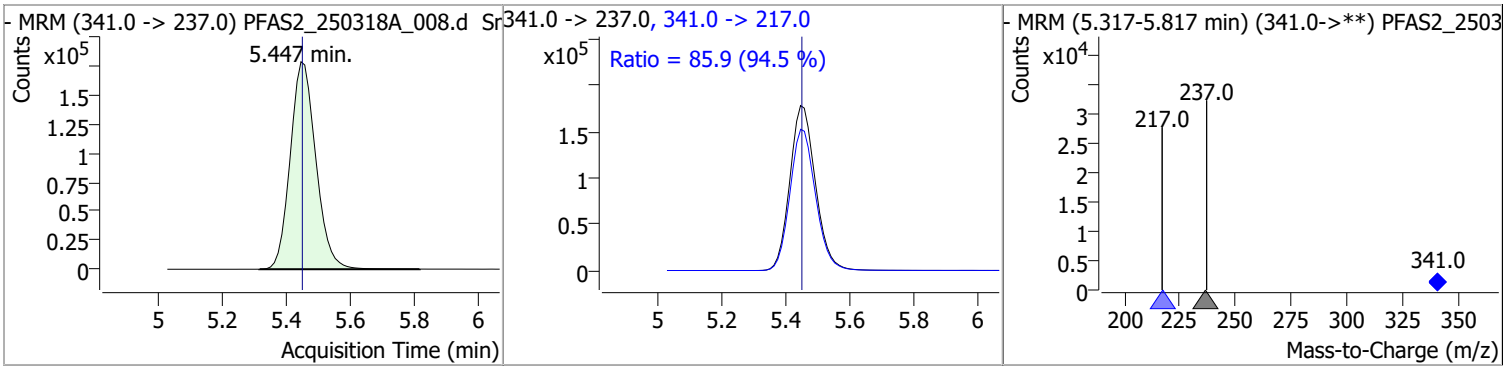
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4571	5.40	0.00	197946				



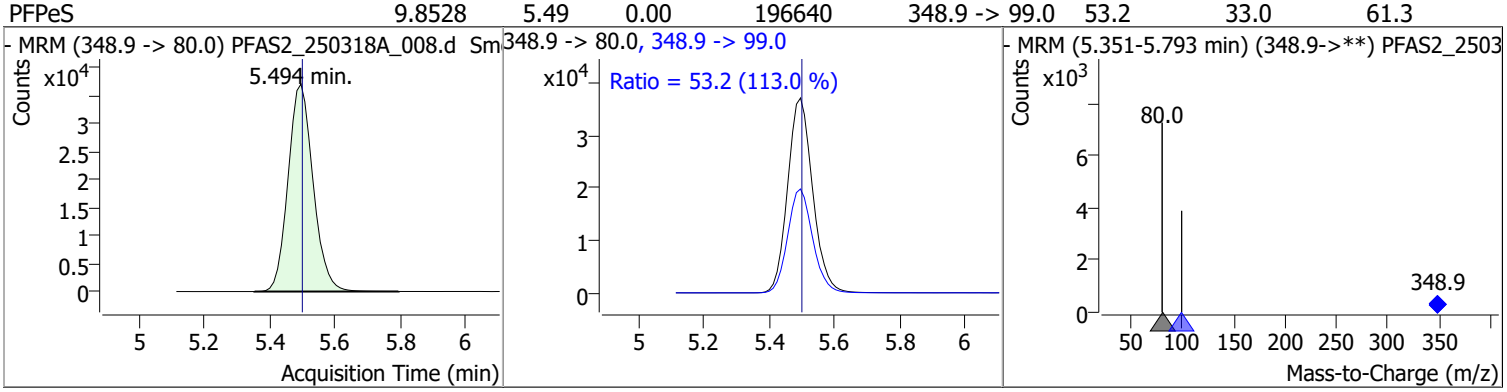
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6409	5.40	0.00	737166	363.0 -> 169.0	16.7	11.8	21.9



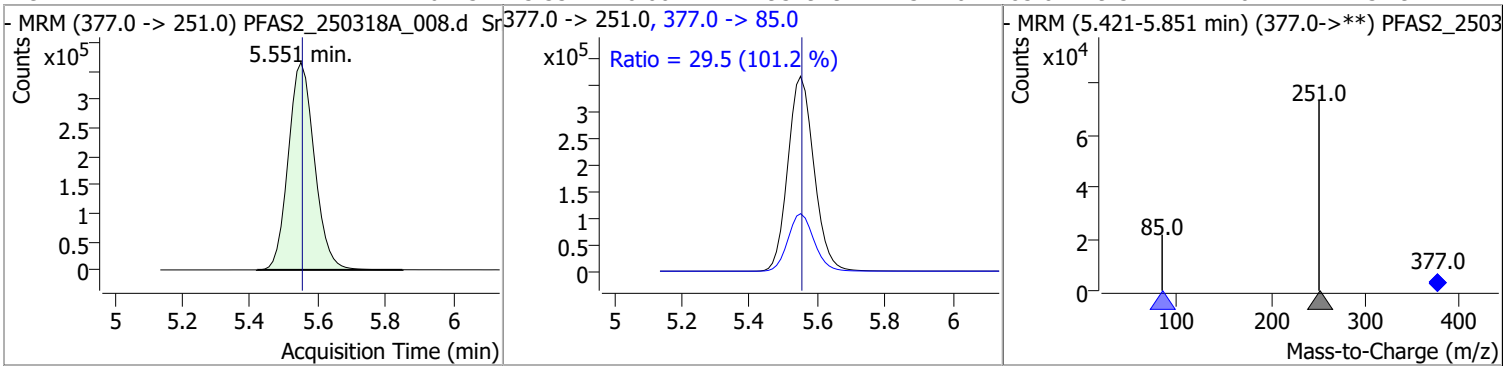
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	196.8126	5.45	0.00	991085	341.0 -> 217.0	85.9	63.6	118.1



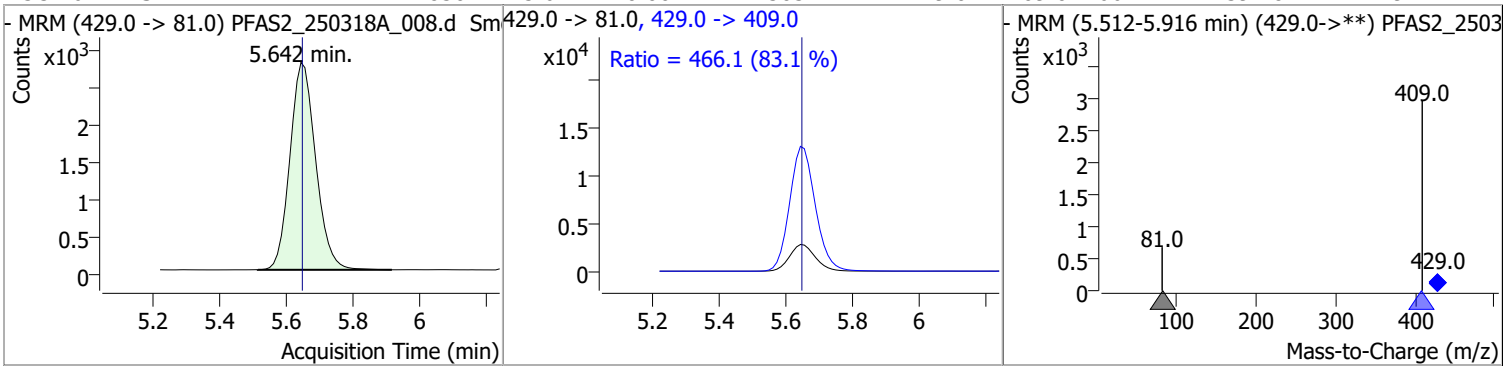
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.8528	5.49	0.00	196640	348.9 -> 99.0	53.2	33.0	61.3



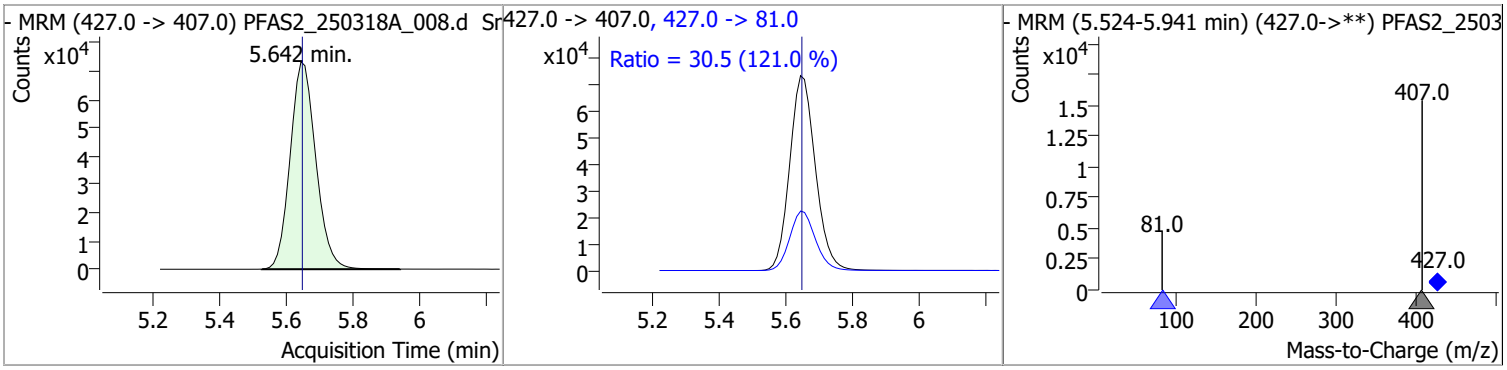
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	17.6423	5.55	0.00	1954979	377.0 -> 85.0	29.5	20.4	37.9



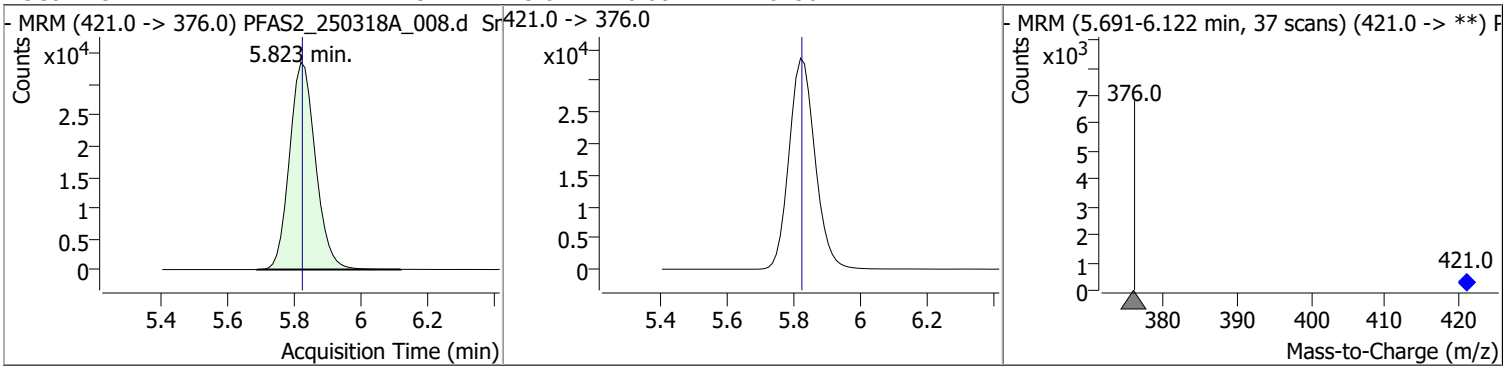
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7830	5.64	0.00	15034	429.0 -> 409.0	466.1	392.8	729.4



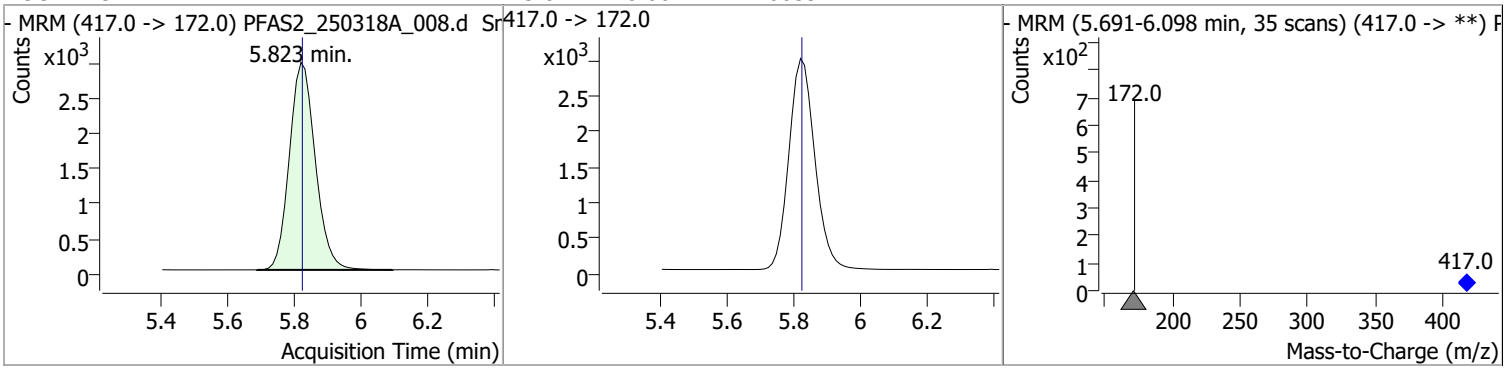
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.9281	5.64	0.00	392997	427.0 -> 81.0	30.5	17.7	32.8



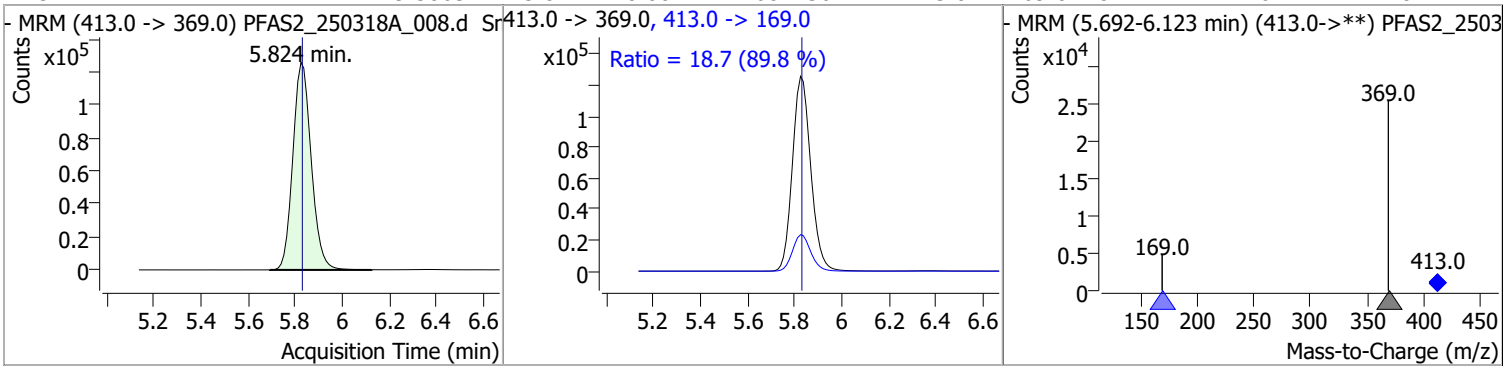
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5277	5.82	0.00	181304				



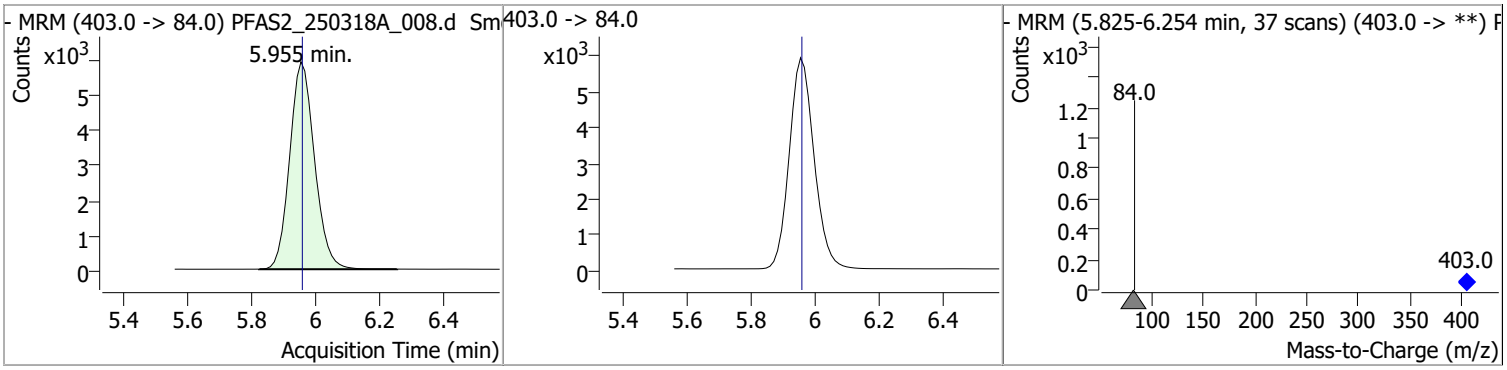
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	16039				



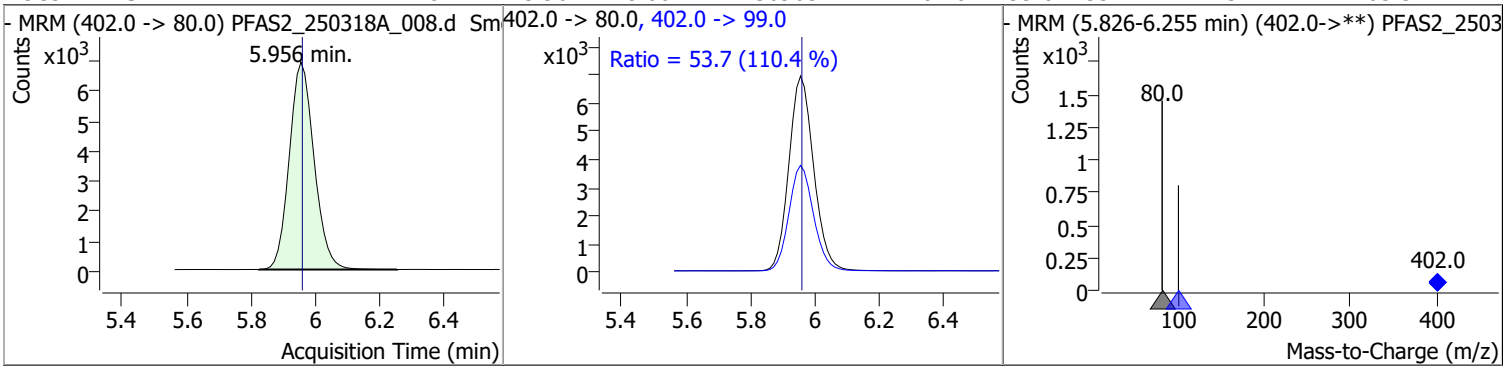
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.5063	5.82	0.00	681136	413.0 -> 169.0	18.7	14.6	27.0



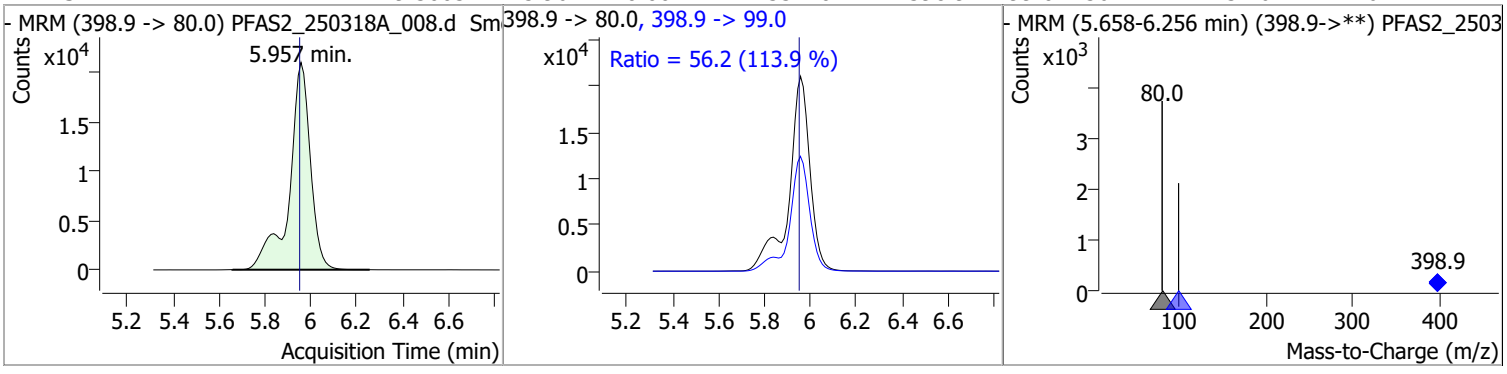
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	31564				



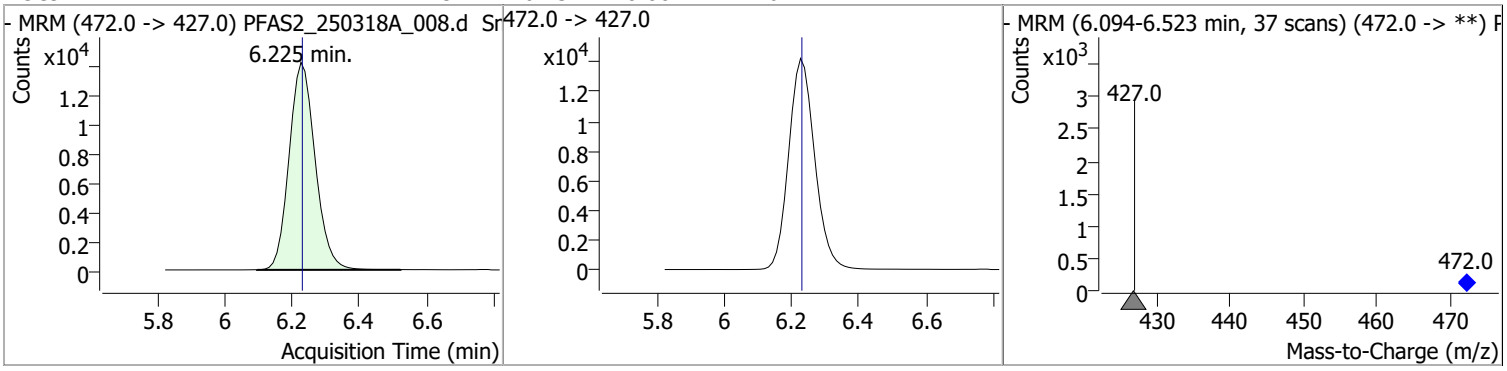
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4827	5.96	0.00	36963	402.0 -> 99.0	53.7	34.1	63.3



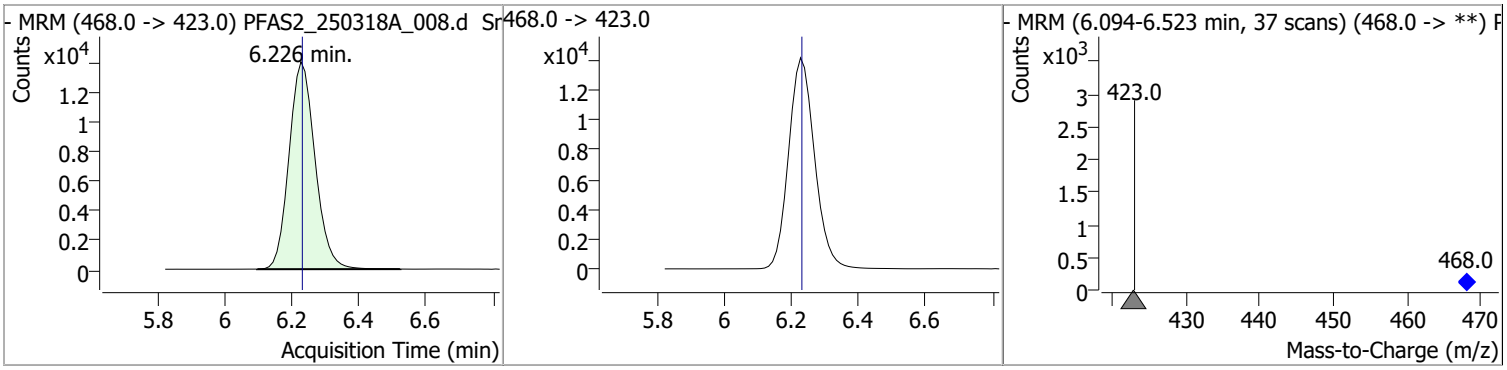
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3003	5.96	0.00	133710	398.9 -> 99.0	56.2	34.6	64.2



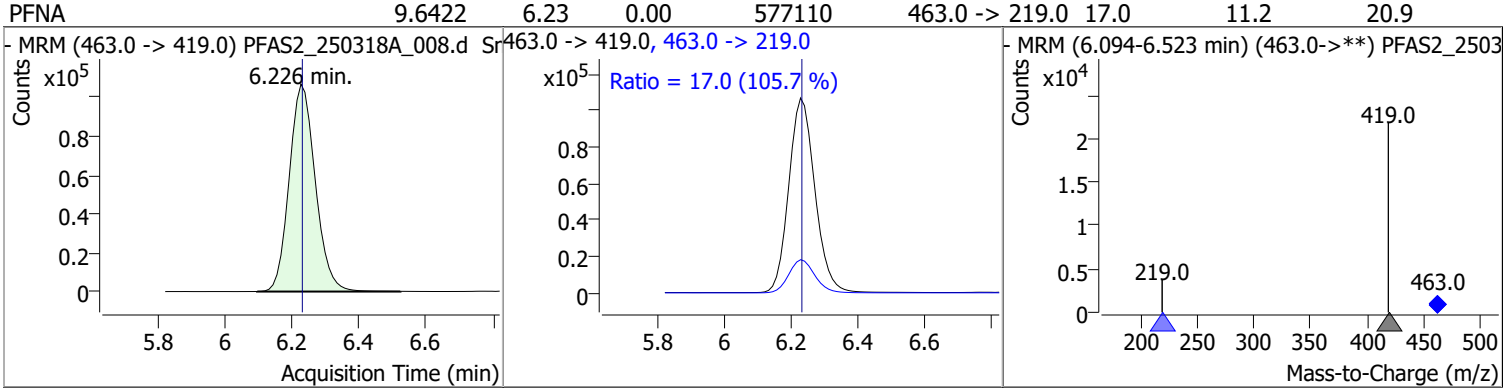
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2757	6.23	0.00	76712				



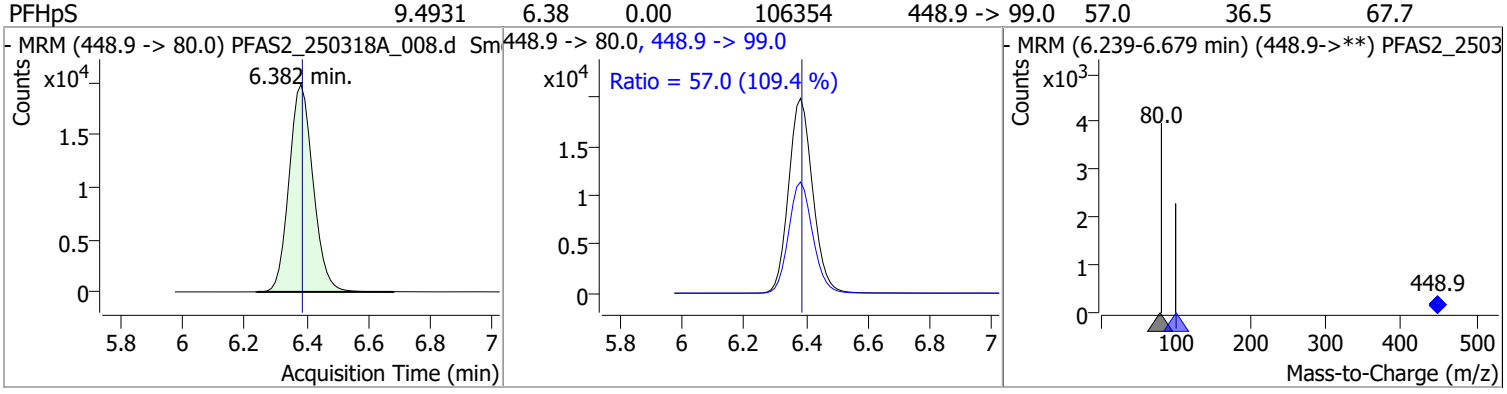
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	75888				



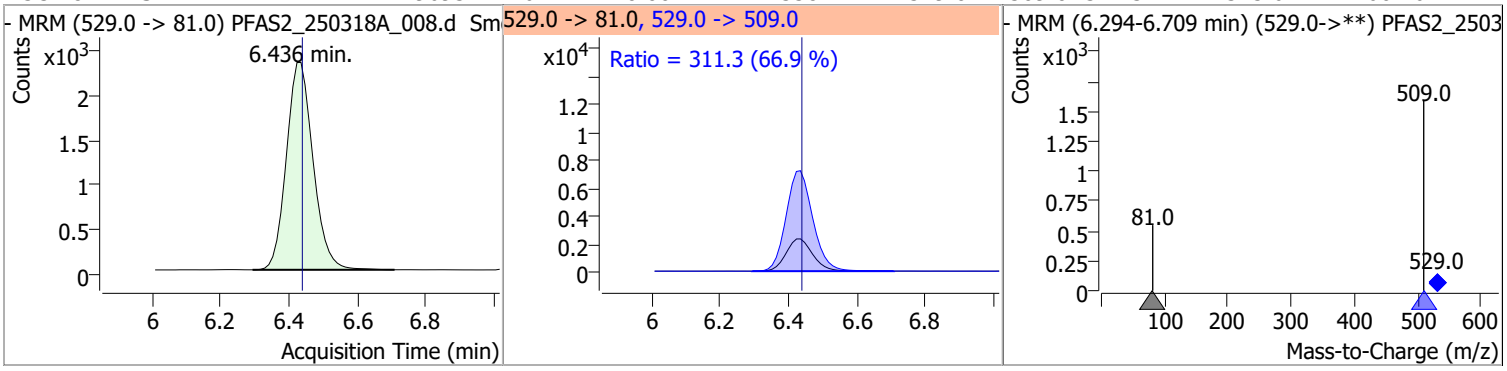
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6422	6.23	0.00	577110	463.0 -> 219.0	17.0	11.2	20.9



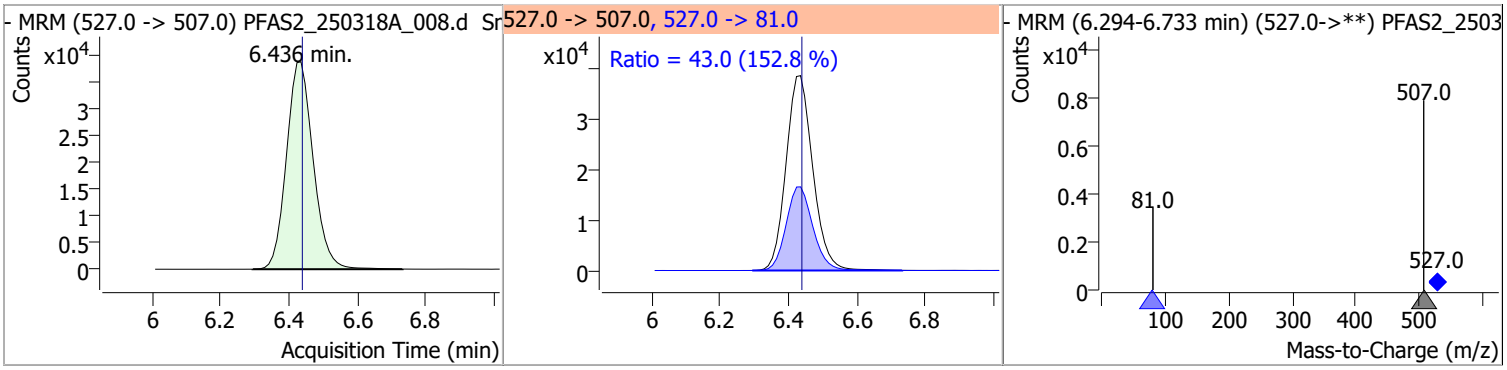
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.4931	6.38	0.00	106354	448.9 -> 99.0	57.0	36.5	67.7



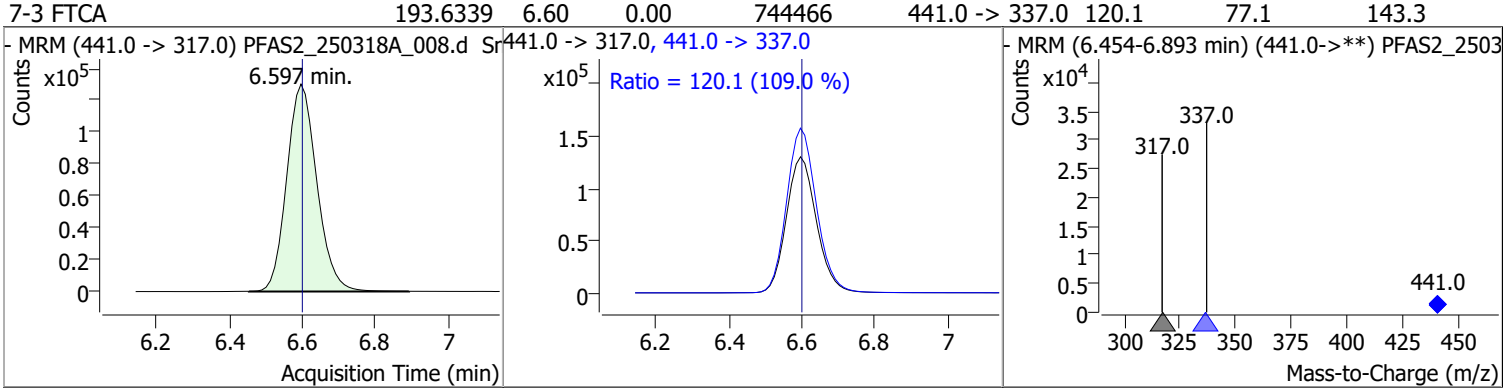
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9693	6.44	0.00	12558	529.0 -> 509.0	311.3	325.6	604.6



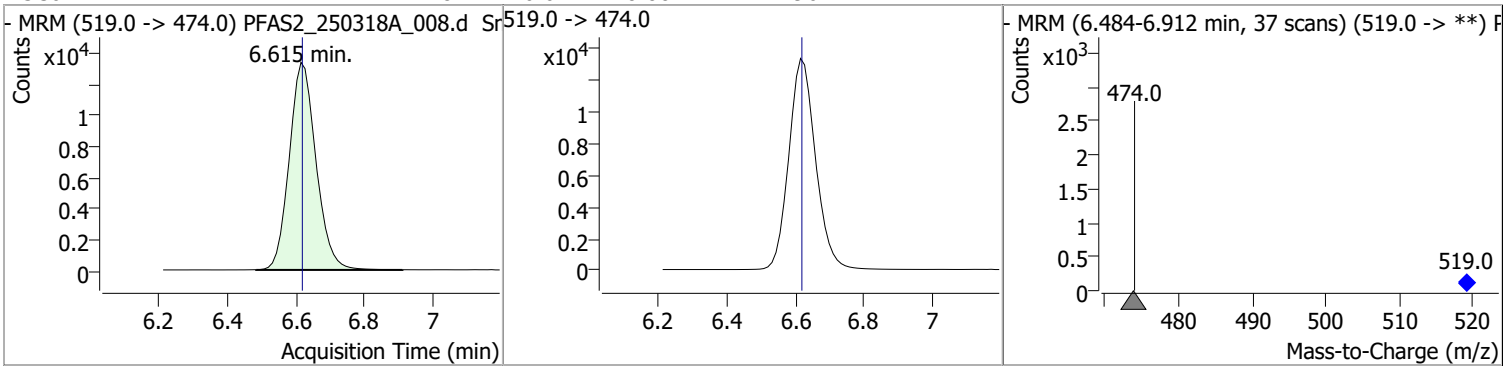
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	38.0416	6.44	0.00	210664	527.0 -> 81.0	43.0	19.7	36.6



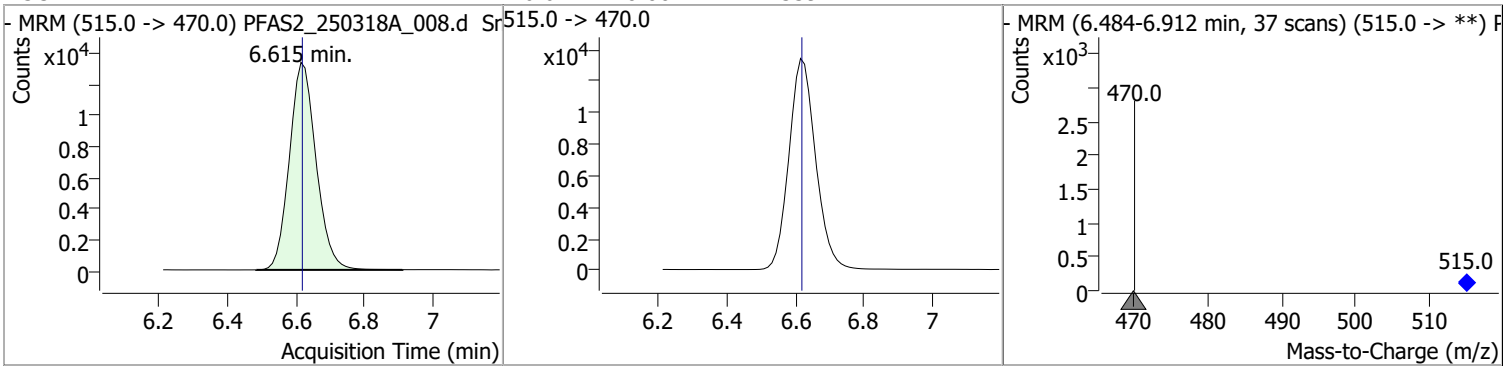
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	193.6339	6.60	0.00	744466	441.0 -> 337.0	120.1	77.1	143.3



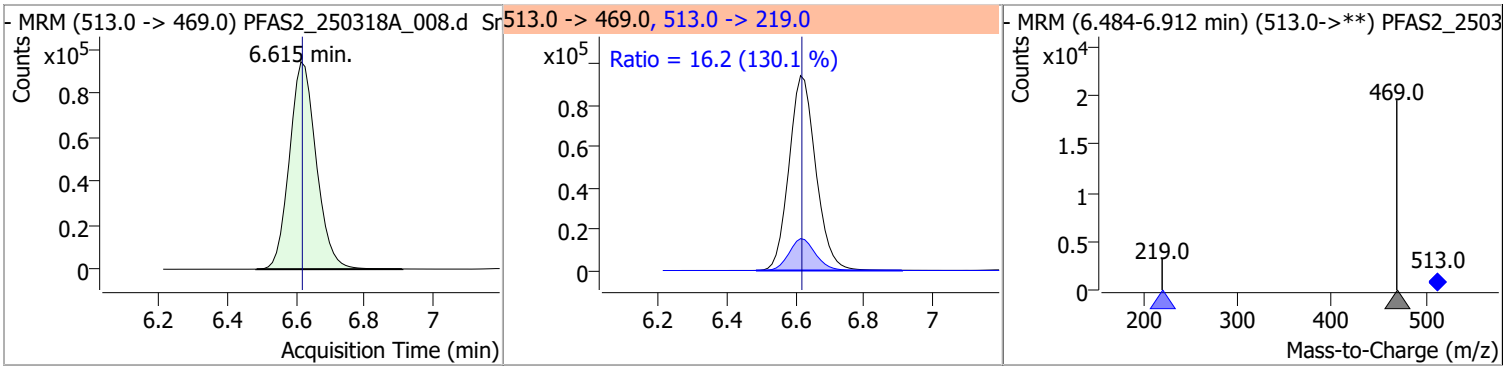
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2282	6.61	0.00	72496				



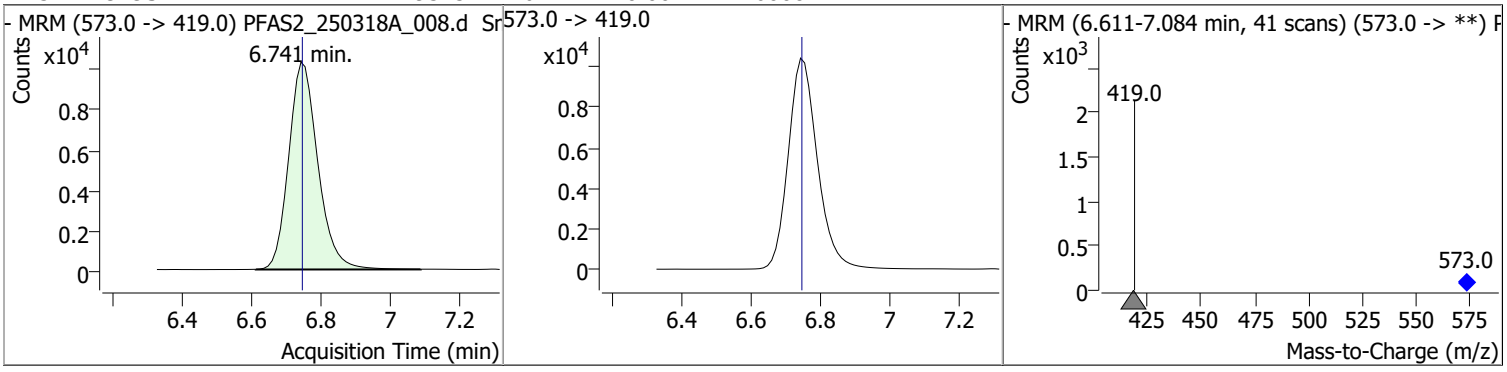
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	72539				



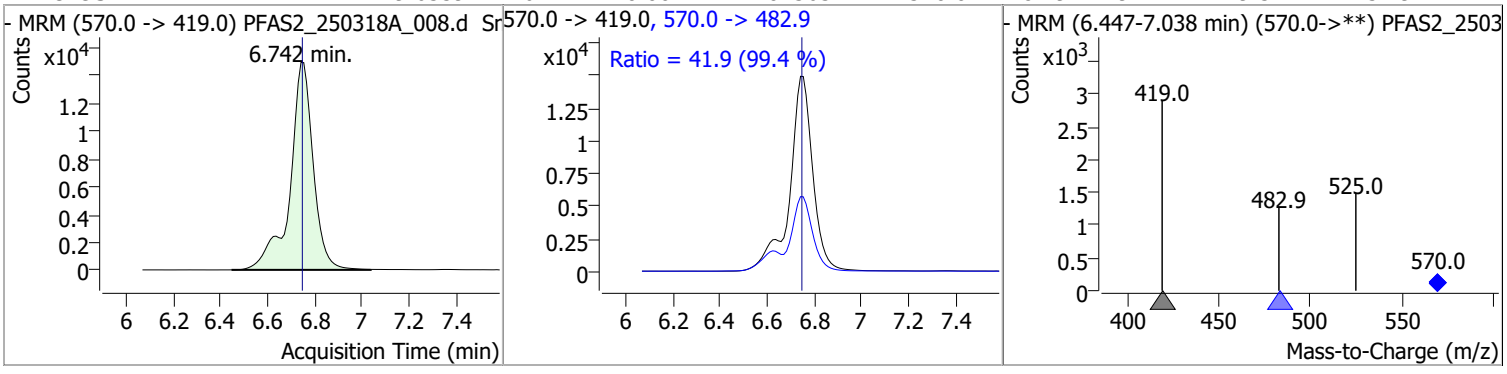
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.5843	6.62	0.00	513748	513.0 -> 219.0	16.2	8.7	16.2



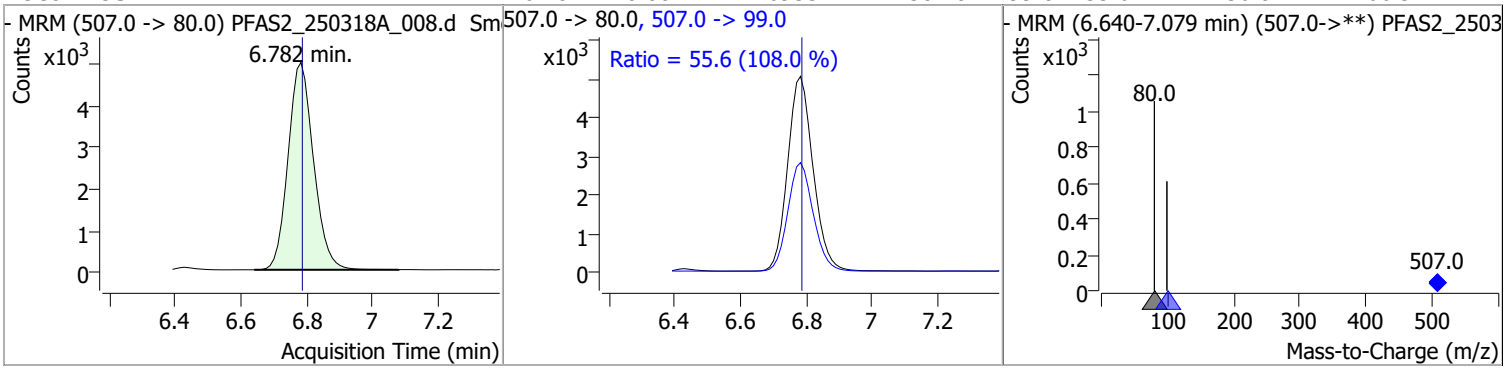
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9375	6.74	0.00	60082				



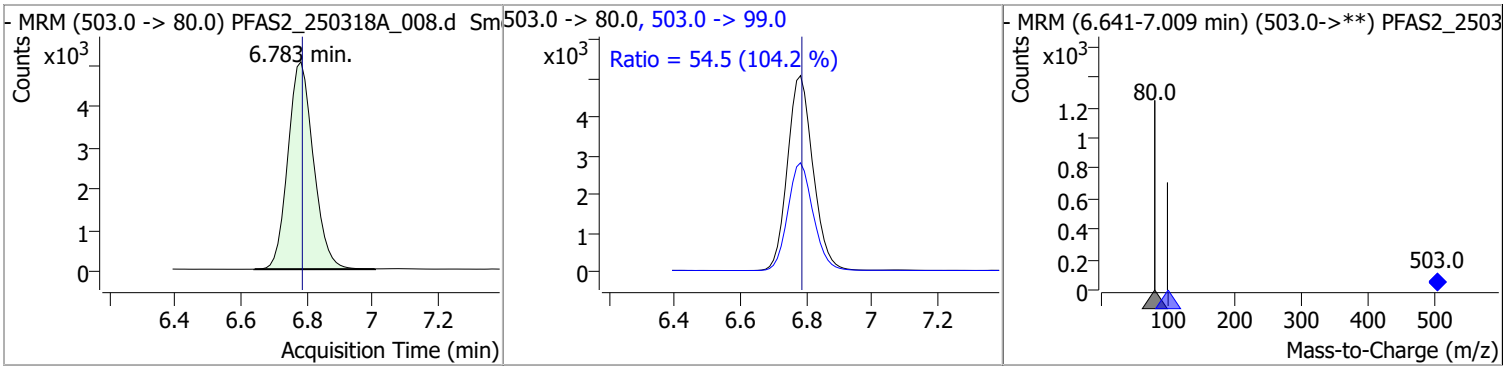
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.6359	6.74	0.00	102363	570.0 -> 482.9	41.9	29.5	54.9



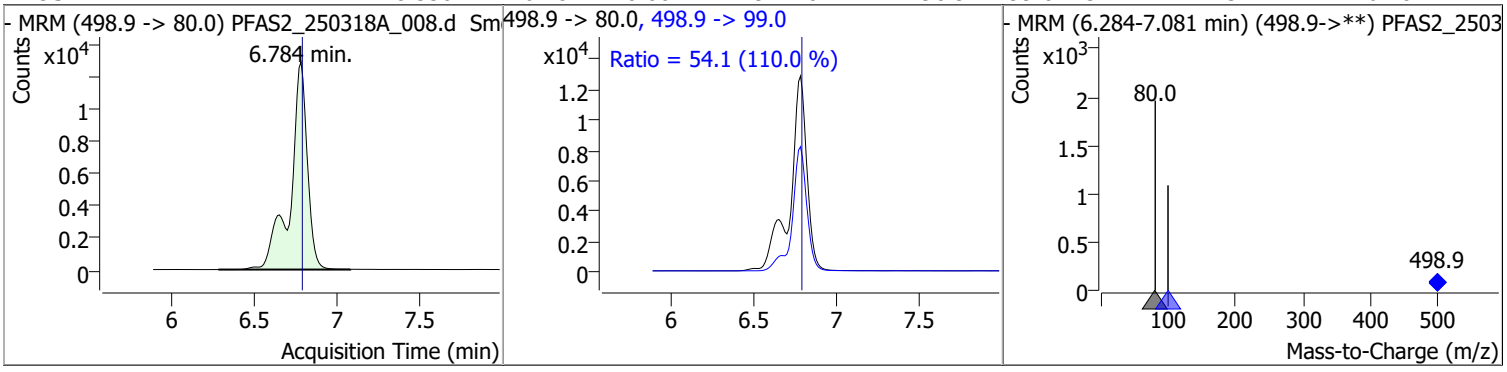
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4471	6.78	0.00	26935	507.0 -> 99.0	55.6	36.0	66.9



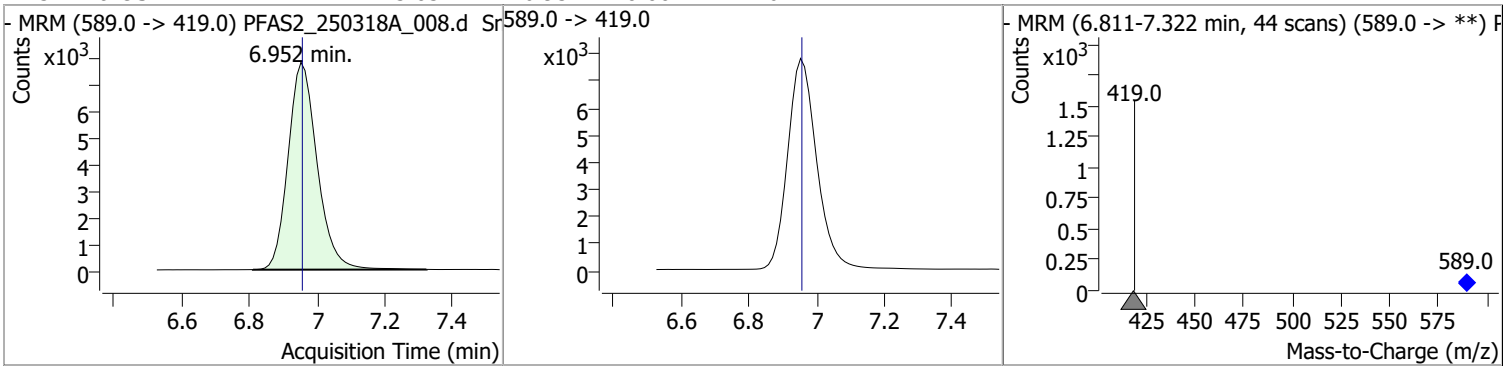
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	27120	503.0 -> 99.0	54.5	36.6	67.9



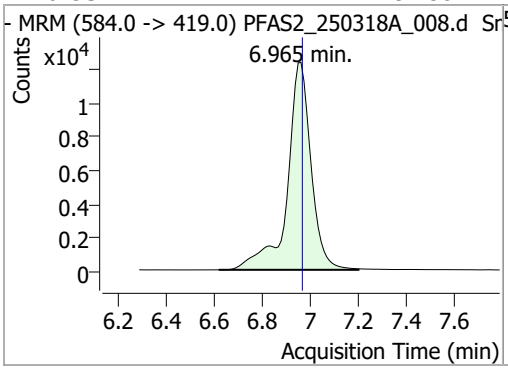
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.5504	6.78	0.00	92478	498.9 -> 99.0	54.1	34.4	64.0

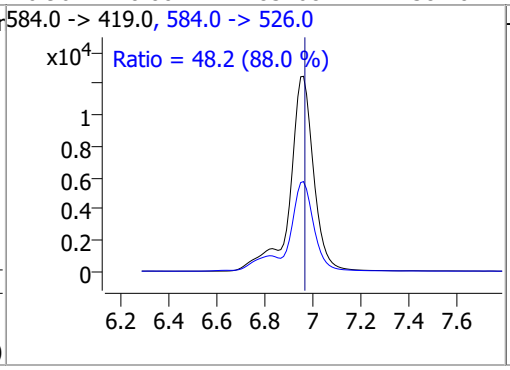


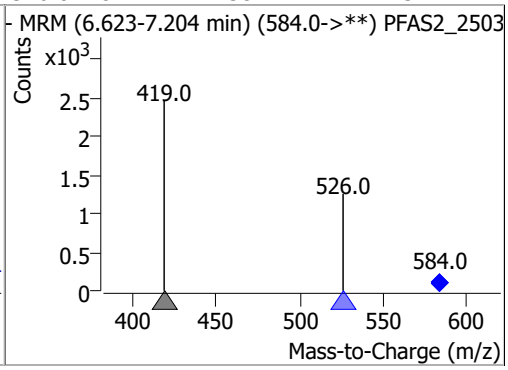
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0314	6.95	0.00	46224				



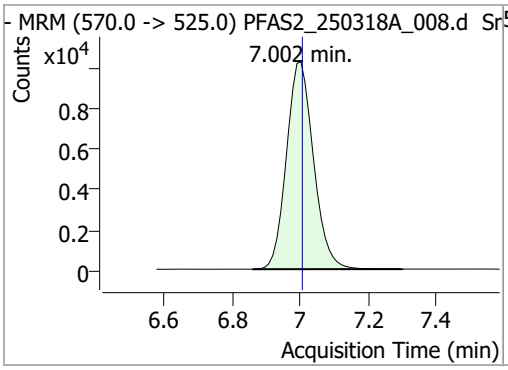
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.7587	6.96	0.00	85268	584.0 -> 526.0	48.2	38.4	71.3

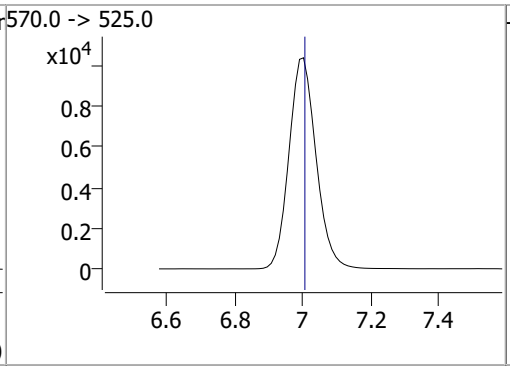


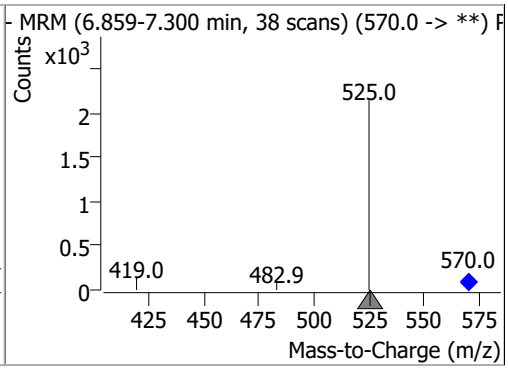




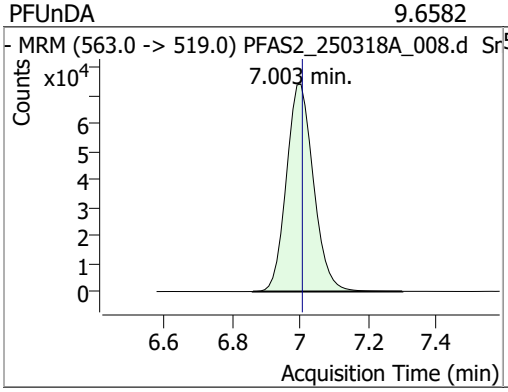
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2241	7.00	0.00	56943				

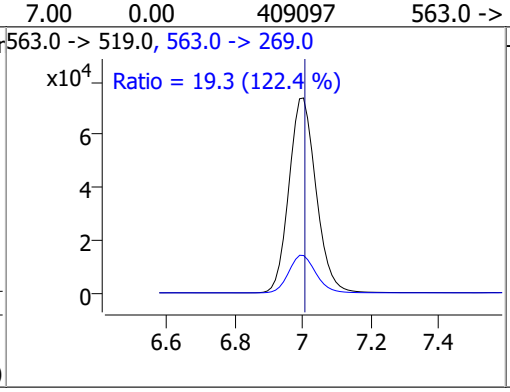


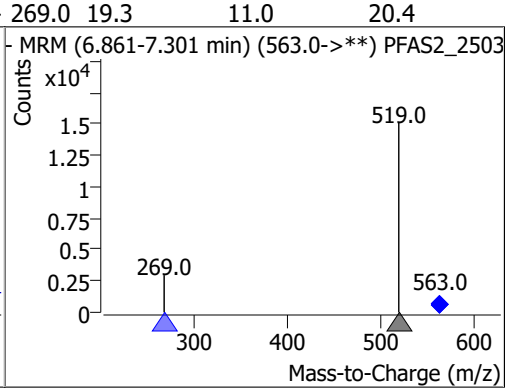




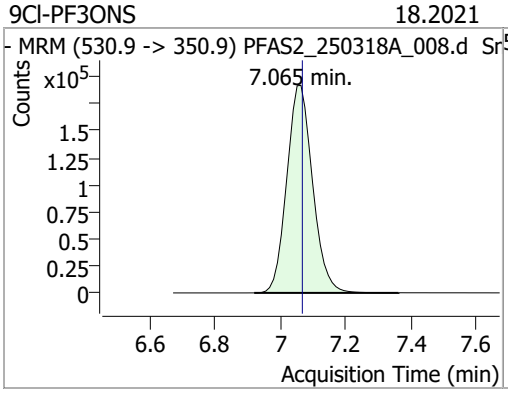
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6582	7.00	0.00	409097	563.0 -> 269.0	19.3	11.0	20.4

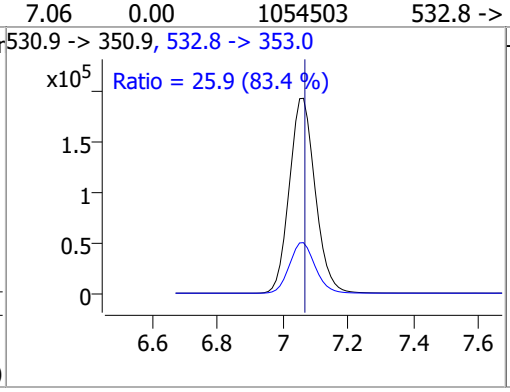


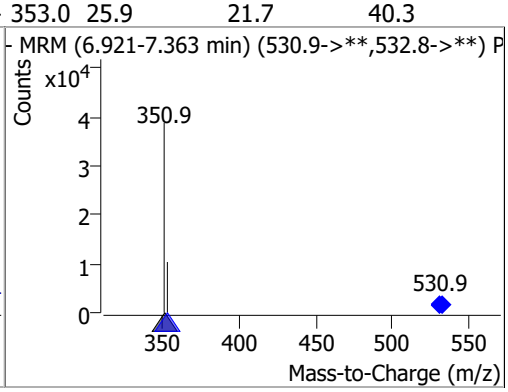




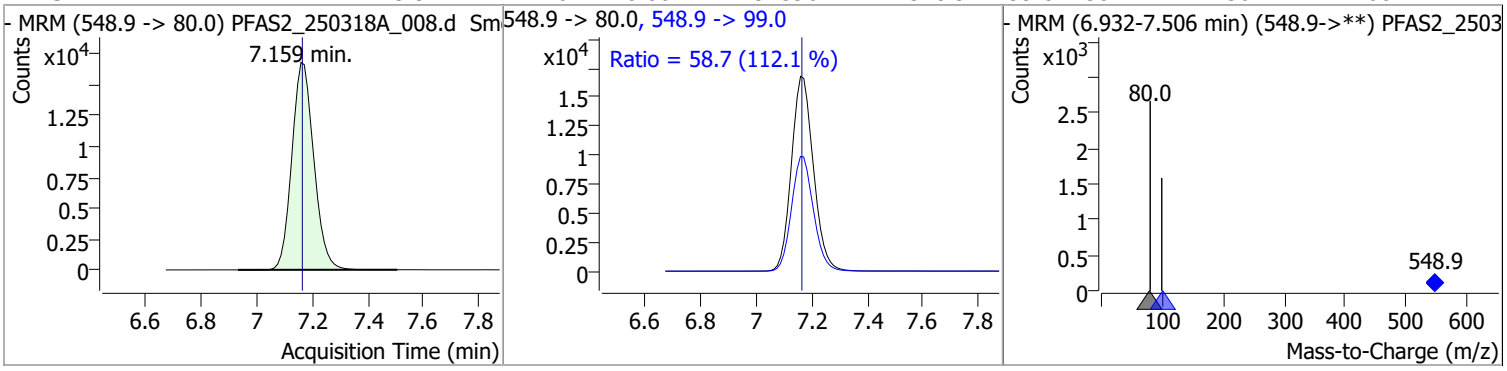
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.2021	7.06	0.00	1054503	532.8 -> 353.0	25.9	21.7	40.3



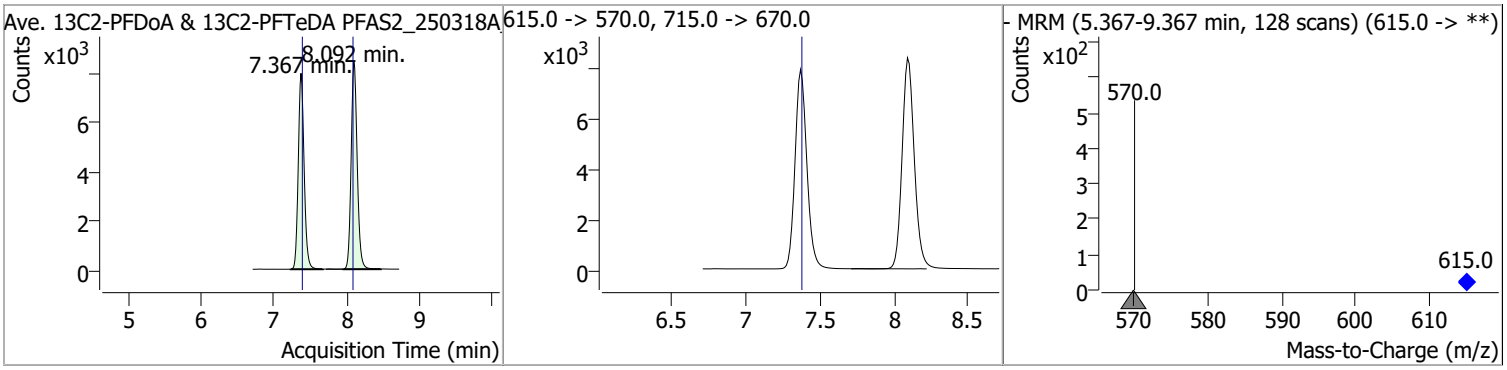




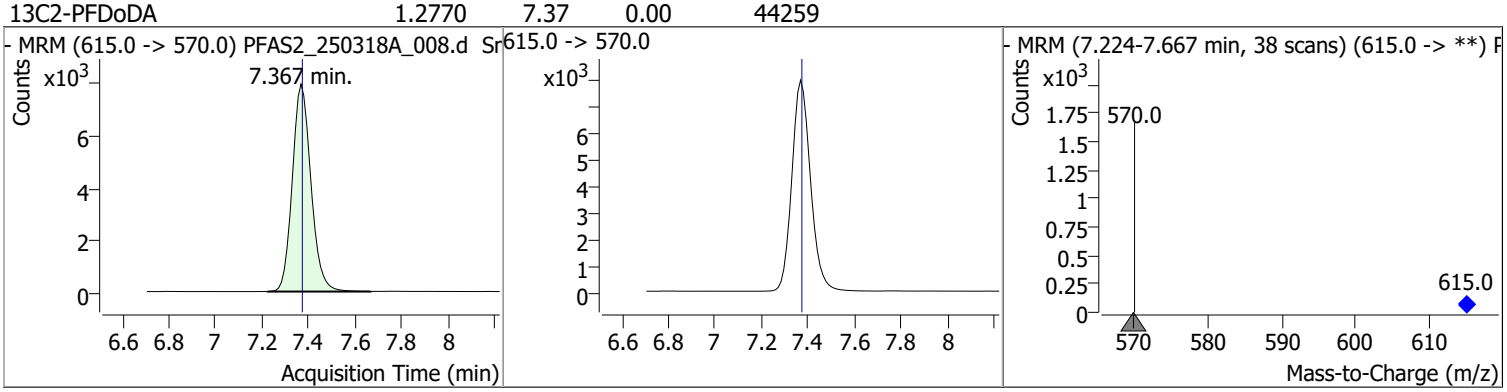
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.9471	7.16	0.00	91396	548.9 -> 99.0	58.7	36.7	68.1



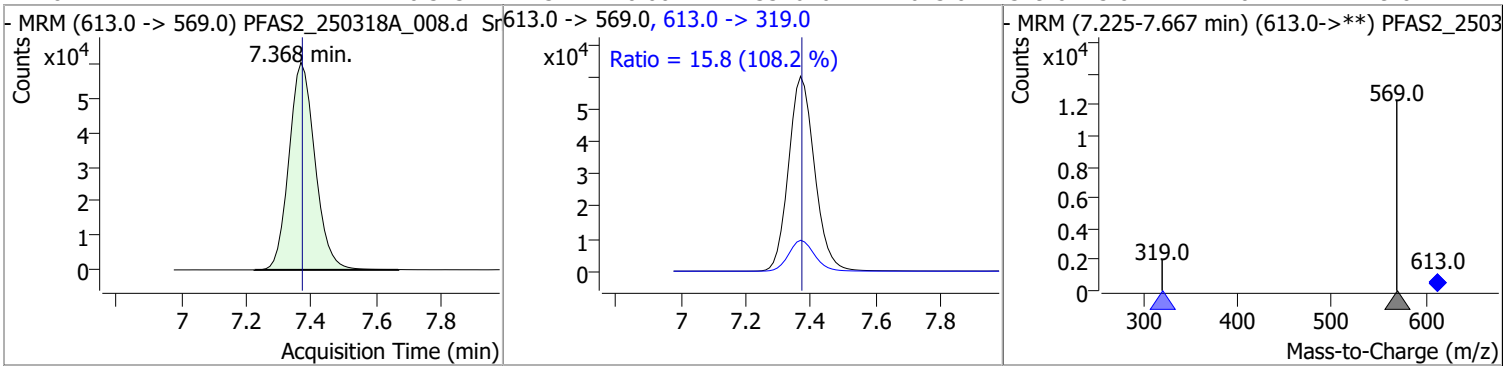
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2094	7.73	0.36	46370				



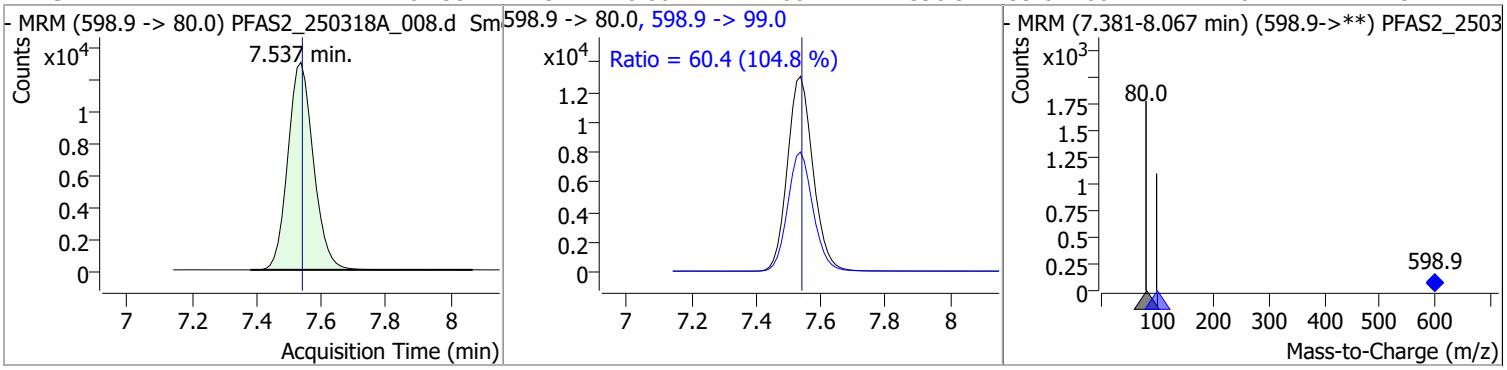
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2770	7.37	0.00	44259				



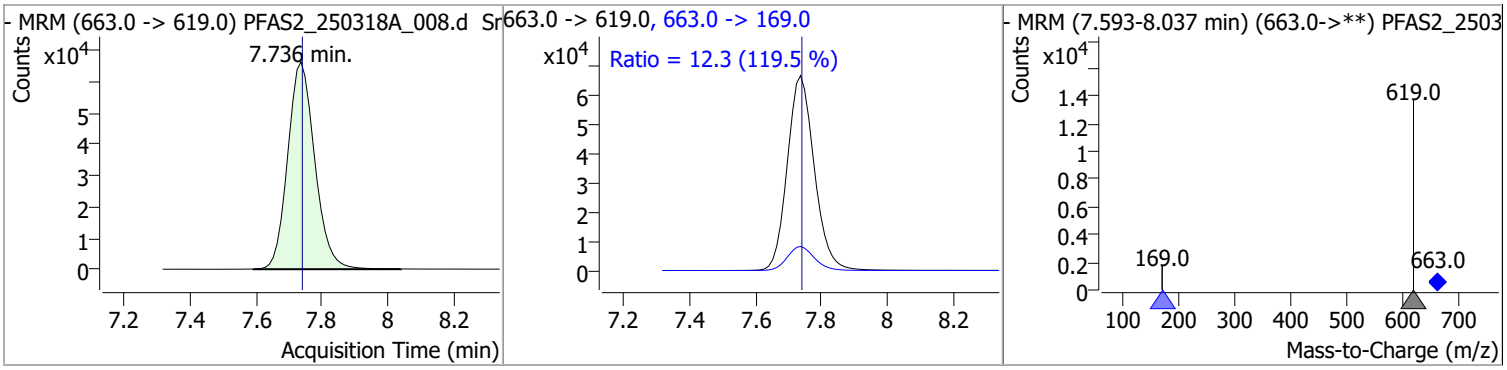
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.3131	7.37	0.00	334616	613.0 -> 319.0	15.8	10.2	19.0



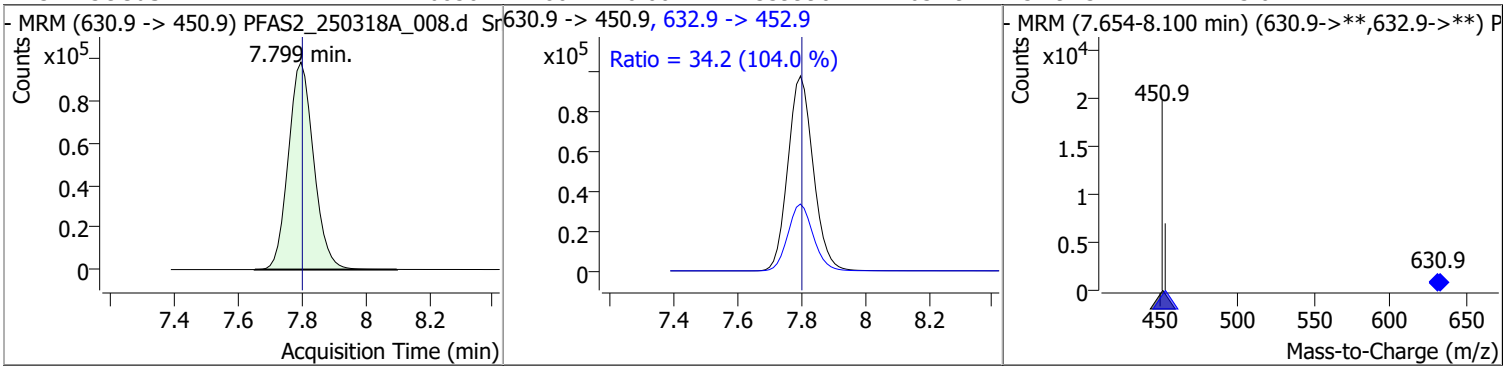
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.4384	7.54	0.00	71662	598.9 -> 99.0	60.4	40.4	74.9



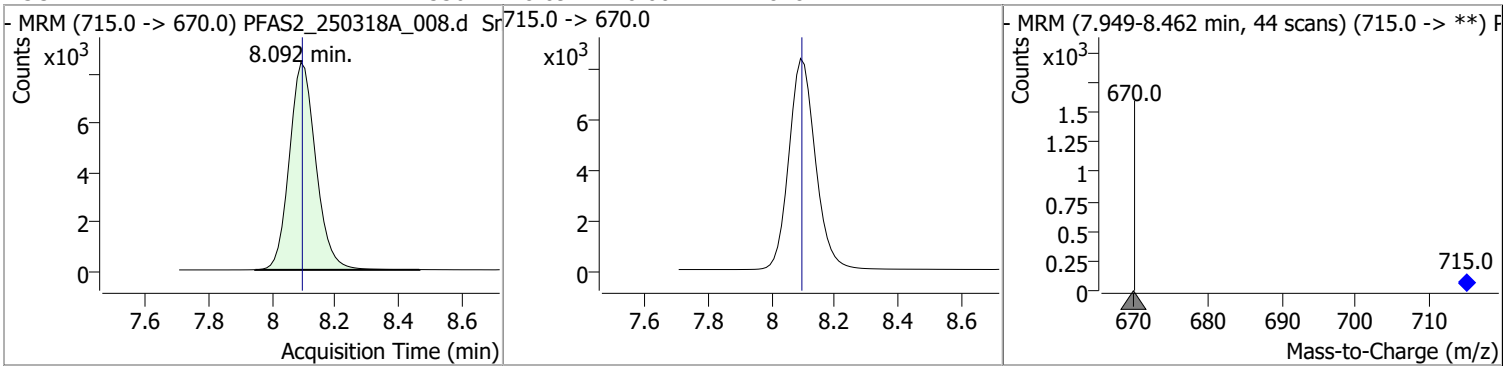
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.7484	7.74	0.00	375537	663.0 -> 169.0	12.3	7.2	13.4



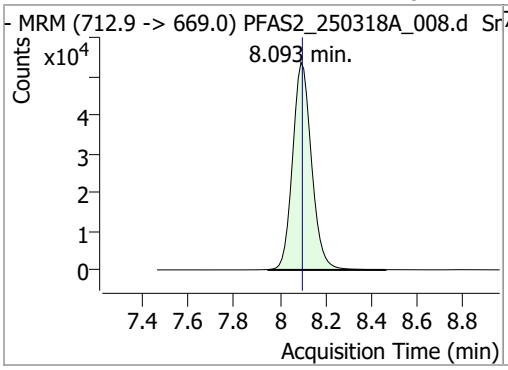
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	21.6850	7.80	0.00	539990	632.9 -> 452.9	34.2	23.0	42.7

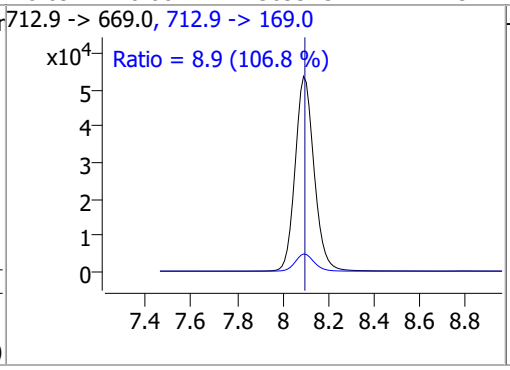


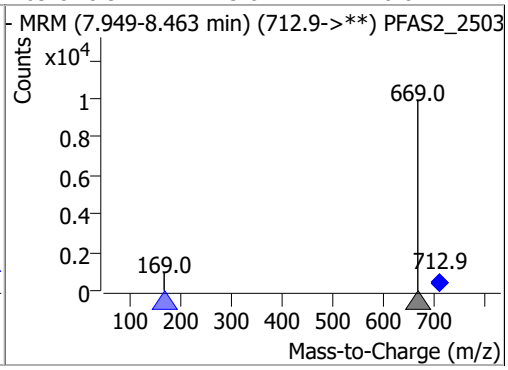
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1536	8.09	0.00	48481				



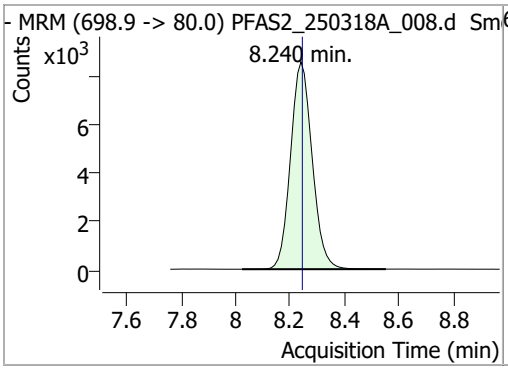
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.4477	8.09	0.00	309923	712.9 -> 169.0	8.9	5.8	10.8

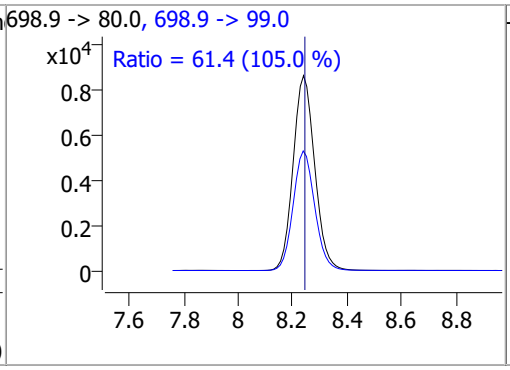


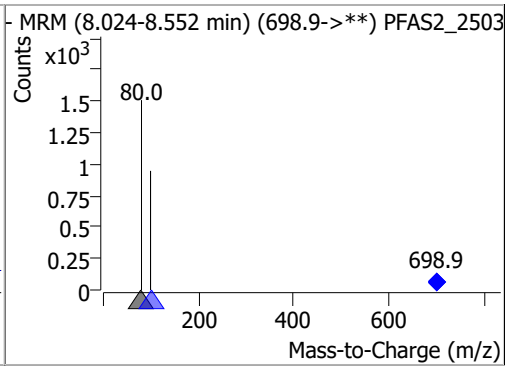




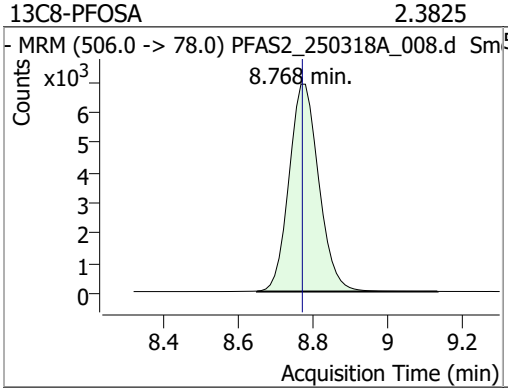
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.7913	8.24	0.00	47004	698.9 -> 99.0	61.4	41.0	76.1

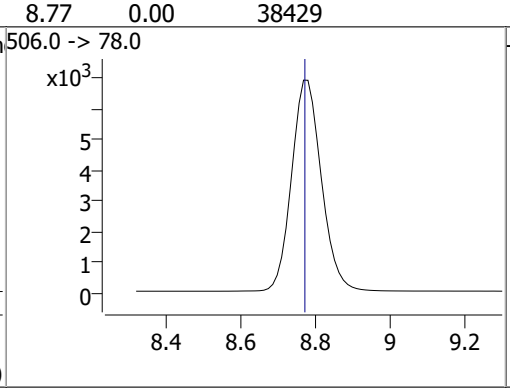


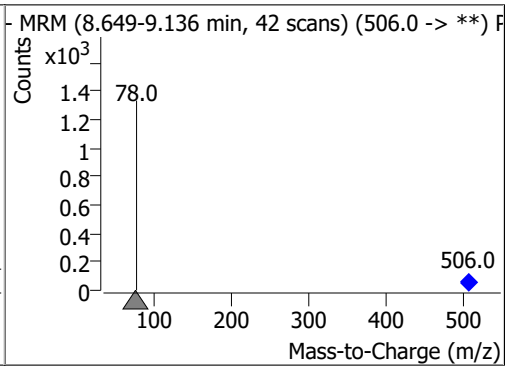




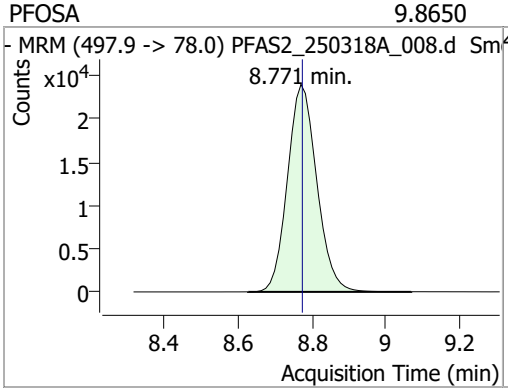
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3825	8.77	0.00	38429				

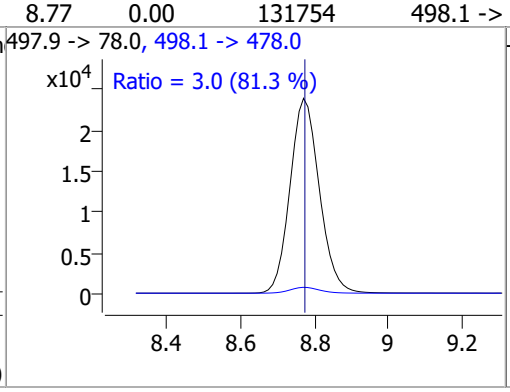


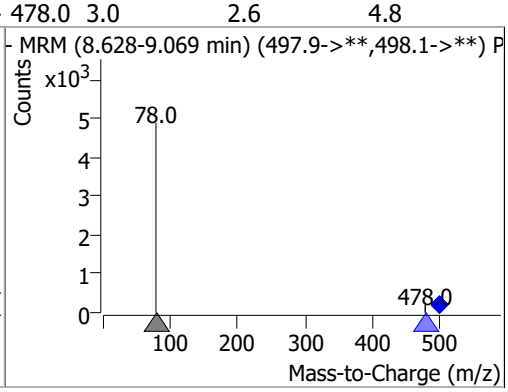




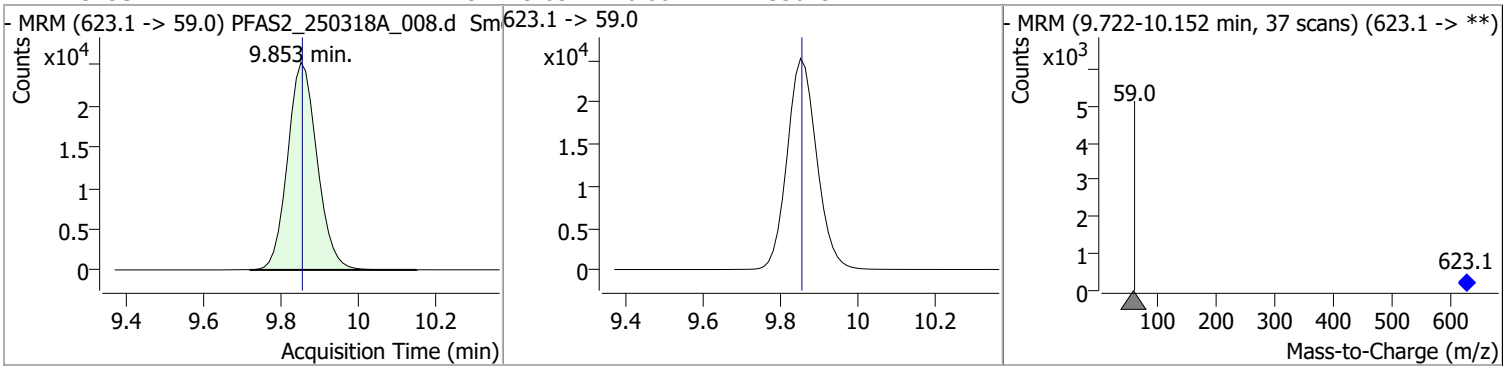
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.8650	8.77	0.00	131754	498.1 -> 478.0	3.0	2.6	4.8



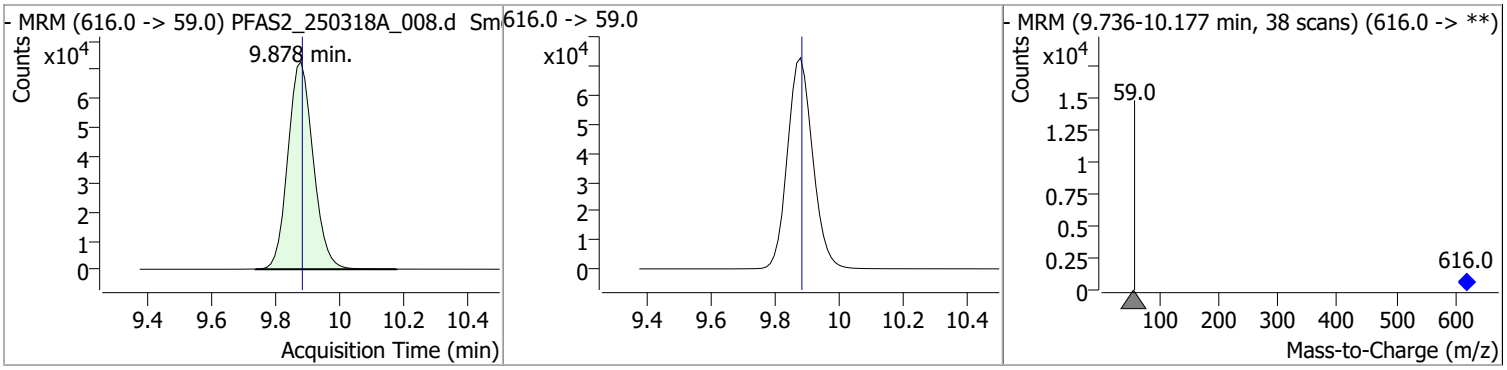




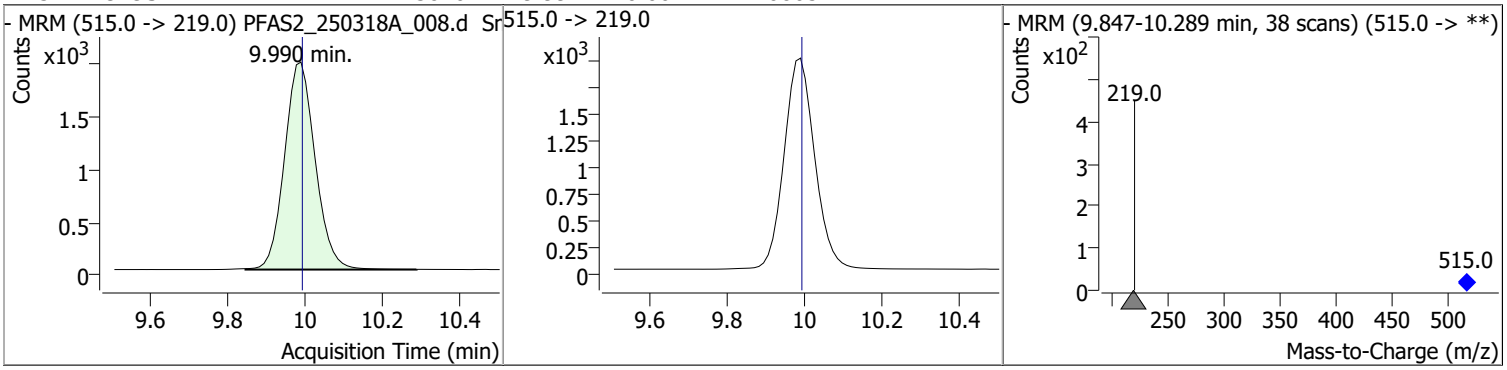
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.4429	9.85	0.00	133645				



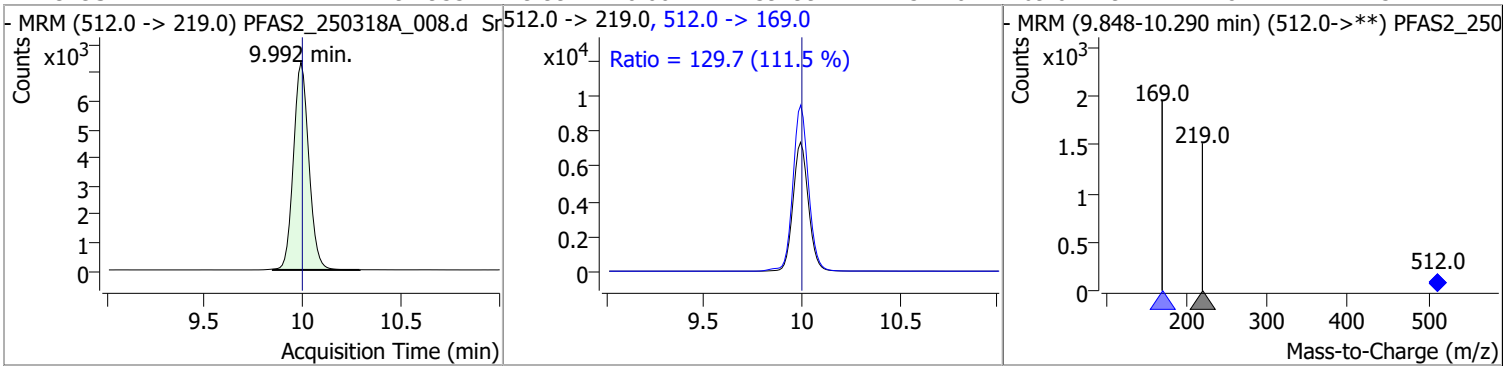
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	99.6570	9.88	0.00	398454				



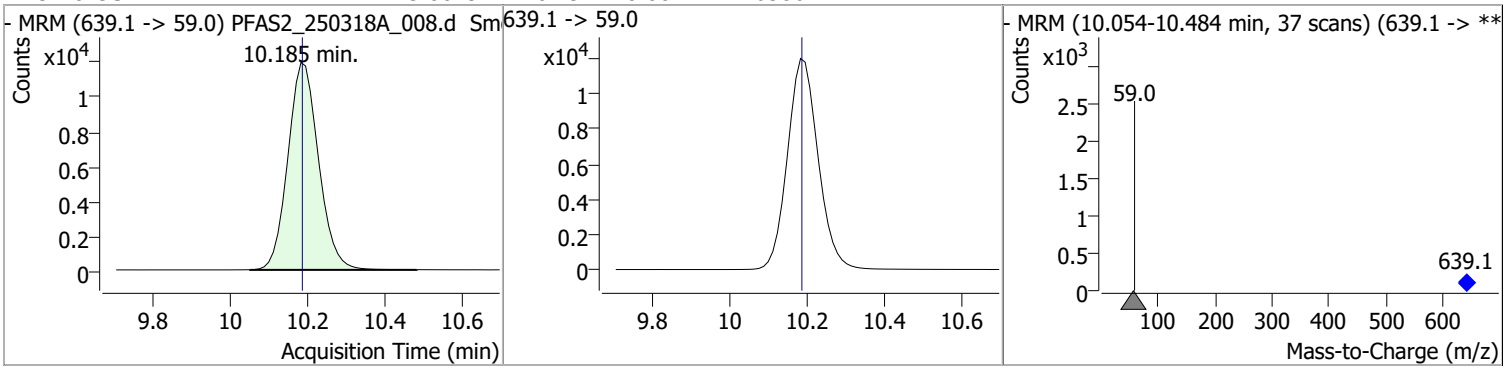
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3870	9.99	0.00	10805				



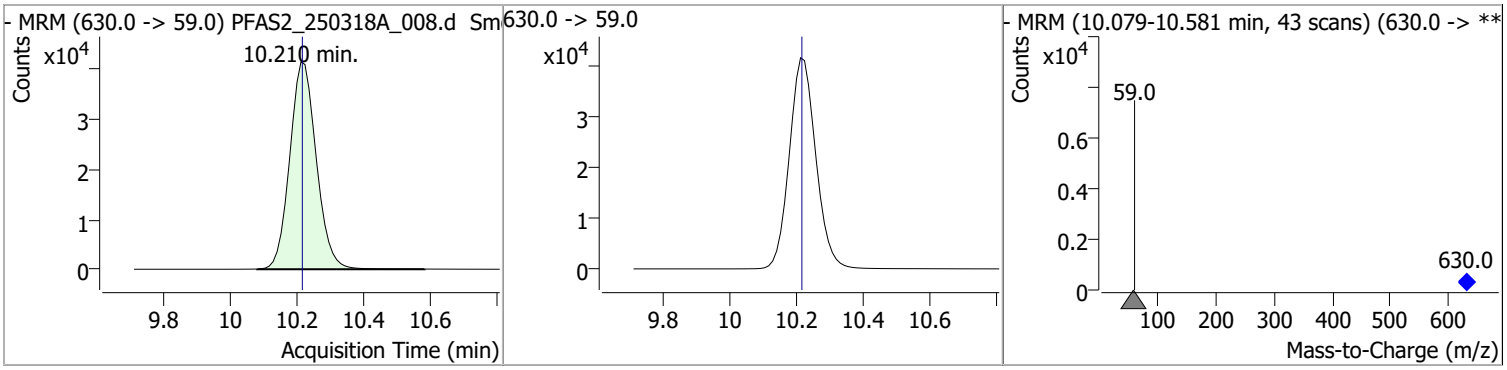
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.7933	9.99	0.00	39799	512.0 -> 169.0	129.7	81.4	151.2



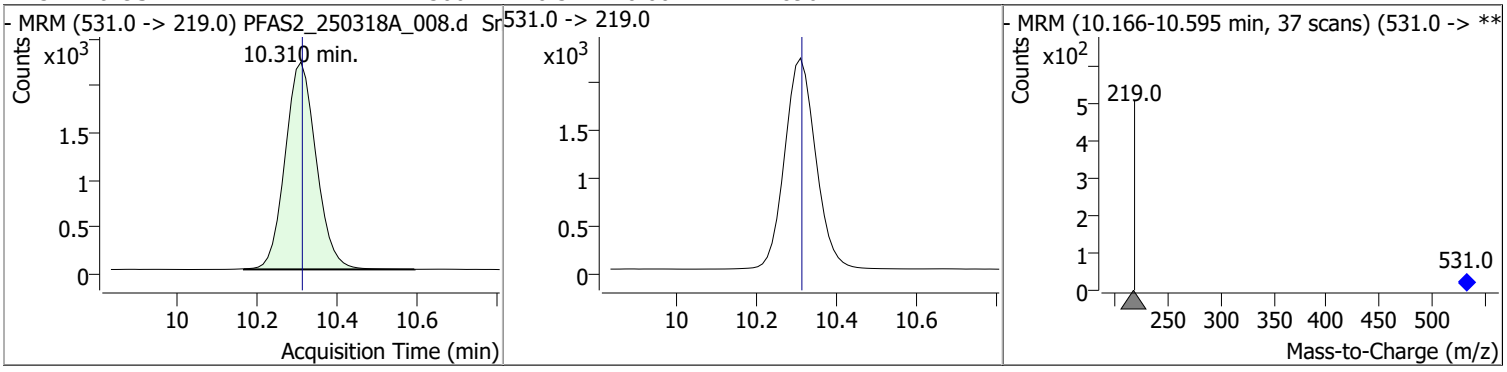
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.8049	10.19	0.00	65864				



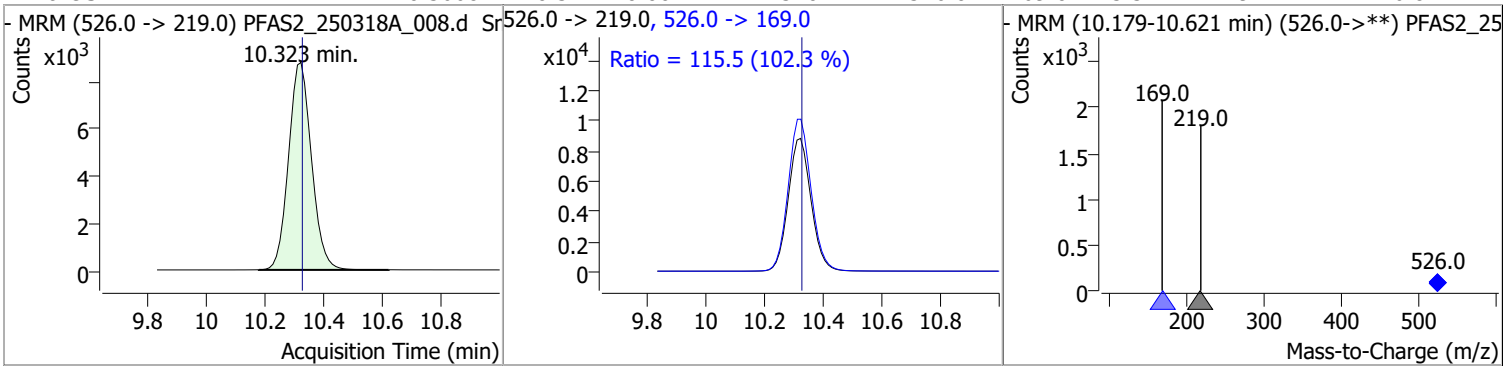
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	98.1122	10.21	0.00	229352				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4306	10.31	0.00	11896				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.3668	10.32	0.00	47570	526.0 -> 169.0	115.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_009.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 5:56:42 PM
Sample Name	SEQ-CAL7	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

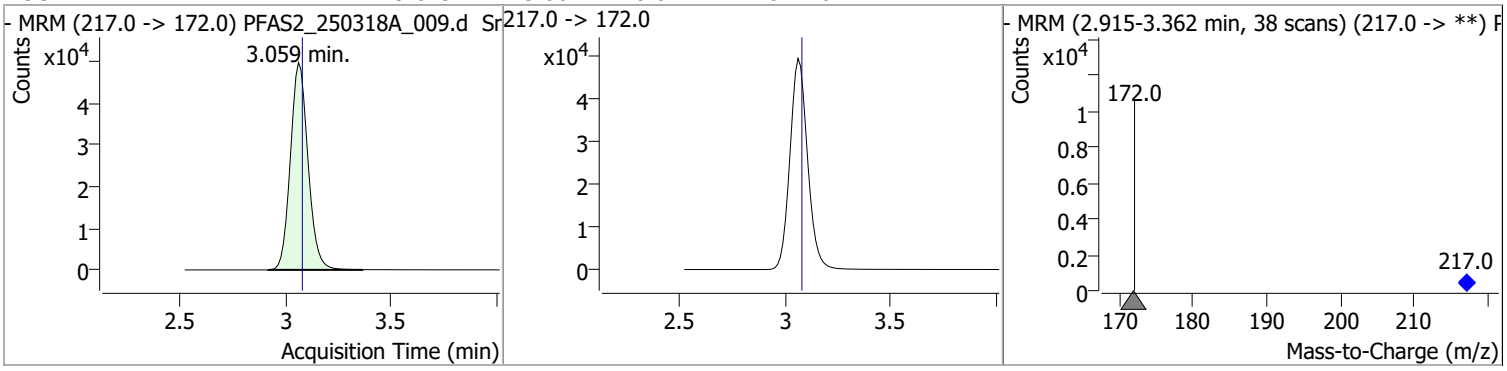
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.063	216.0 -> 172.0	127946	5.0000	µg/L	-6.501
13C2-PFHxA	4.878	315.0 -> 270.0	143053	2.5000	µg/L	-6.760
18O2-PFHxS	5.955	403.0 -> 84.0	28710	2.5000	µg/L	-3.105
13C4-PFOA	5.823	417.0 -> 172.0	14827	2.5000	µg/L	-4.023
13C5-PFNA	6.226	468.0 -> 423.0	67680	1.2500	µg/L	-4.907
13C2-PFDA	6.615	515.0 -> 470.0	66814	1.2500	µg/L	-0.093
13C4-PFOS	6.771	503.0 -> 80.0	24461	2.5000	µg/L	-1.798
System Monitoring Compounds						
13C4-PFBA	3.059	217.0 -> 172.0	287246	10.0000	µg/L	-7.588
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.79%		
13C5-PFPeA	4.222	268.0 -> 223.0	195705	5.0000	µg/L	-5.419
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.44%		
13C5-PFPeA	4.222	268.0 -> 223.0	195705	5.0000	µg/L	-5.419
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.44%		
13C2-4-2 FTSA	4.697	329.0 -> 81.0	21560	5.0000	µg/L	-14.664
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 88.43%		
13C5-PFHxA	4.877	318.0 -> 273.0	161351	2.5000	µg/L	-4.438
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.47%		
13C5-PFHxA	4.877	318.0 -> 273.0	161351	2.5000	µg/L	-4.438
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.47%		
13C3-PFBS	4.917	302.0 -> 80.0	58035	2.5000	µg/L	-4.428
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%		
13C3-PFBS	4.917	302.0 -> 80.0	58035	2.5000	µg/L	-4.428
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.74%		
13C3-HFPO-DA	5.074	287.0 -> 169.0	168349	10.0000	µg/L	-3.675
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.30%		
13C4-PFHpA	5.385	367.0 -> 322.0	187044	2.5000	µg/L	-0.976
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.24%		
13C3-PFHxS	5.956	402.0 -> 80.0	33627	2.5000	µg/L	-3.781
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.33%		
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13965	5.0000	µg/L	-5.442
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.69%		
13C8-PFOA	5.823	421.0 -> 376.0	161692	2.5000	µg/L	-6.396
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.55%		
13C3-PFHxS	5.956	402.0 -> 80.0	33627	2.5000	µg/L	-3.781
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.33%		
13C9-PFNA	6.225	472.0 -> 427.0	68592	1.2500	µg/L	-2.656
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.32%		
13C8-PFOS	6.771	507.0 -> 80.0	24344	2.5000	µg/L	-3.716
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.08%		
13C2-8-2 FTSA	6.424	529.0 -> 81.0	11335	5.0000	µg/L	-4.313
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.63%		
13C6-PFDA	6.615	519.0 -> 474.0	65111	1.2500	µg/L	-4.192
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.81%		
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	55394	5.0000	µg/L	-0.762

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.94%		
13C8-PFOS	6.771	507.0 -> 80.0	24344	2.5000	µg/L	-3.716
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.08%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	40811	5.0000	µg/L	-3.222
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.50%		
13C7-PFUnDA	6.990	570.0 -> 525.0	50975	1.2500	µg/L	-4.903
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.17%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	44769	1.2500	µg/L	1.483
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.41%		
13C2-PFDoDA	7.367	615.0 -> 570.0	41310	1.2500	µg/L	3.418
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.52%		
13C2-PFTDA	8.092	715.0 -> 670.0	48228	1.2500	µg/L	-0.118
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.67%		
13C8-PFOSA	8.780	506.0 -> 78.0	35318	2.5000	µg/L	-4.447
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.11%		
2H7-MeFOSE	9.853	623.1 -> 59.0	115719	25.0000	µg/L	-7.900
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 93.86%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10211	2.5000	µg/L	-1.528
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.04%		
2H9-EtFOSE	10.185	639.1 -> 59.0	59160	25.0000	µg/L	-6.848
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 94.82%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11286	2.5000	µg/L	0.406
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.26%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	1979504	78.5699	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.21%		
PFMPA	3.602	229.0 -> 85.0	716542	37.9528	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.88%		
3-3 FTCA	3.766	241.0 -> 177.0	54010	78.4190	µg/L	97
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.02%		
PFPeA	4.223	263.0 -> 219.0	1408690	38.8647	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.16%		
PFMBA	4.453	279.0 -> 85.0	1054432	38.3515	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 95.88%		
4-2 FTSA	4.698	327.0 -> 307.0	954695	72.8590	µg/L	99
Spiked Amount: 75.000	Range: 70 - 130%			Recovery = 97.15%		
NFDHA	4.811	295.0 -> 201.0	46832	39.4650	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 98.66%		
PFHxA	4.880	313.0 -> 269.0	1132178	19.6094	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.05%		
PFBS	4.918	298.9 -> 80.0	417013	17.3174	µg/L	93
Spiked Amount: 17.740	Range: 70 - 130%			Recovery = 97.62%		
HFPO-DA	5.075	285.0 -> 169.0	624077	41.7831	µg/L	92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 104.46%		
PFEESA	5.189	314.9 -> 135.0	2700094	34.9861	µg/L	98
Spiked Amount: 35.600	Range: 70 - 130%			Recovery = 98.28%		
PFHpA	5.386	363.0 -> 319.0	1367931	18.9124	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.56%		
5-3 FTCA	5.435	341.0 -> 237.0	1804332	387.1574	µg/L	98
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 96.79%		
PFPeS	5.482	348.9 -> 80.0	353729	19.4819	µg/L	92
Spiked Amount: 18.820	Range: 70 - 130%			Recovery = 103.52%		
DONA	5.539	377.0 -> 251.0	3686949	37.0809	µg/L	100
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 98.10%		

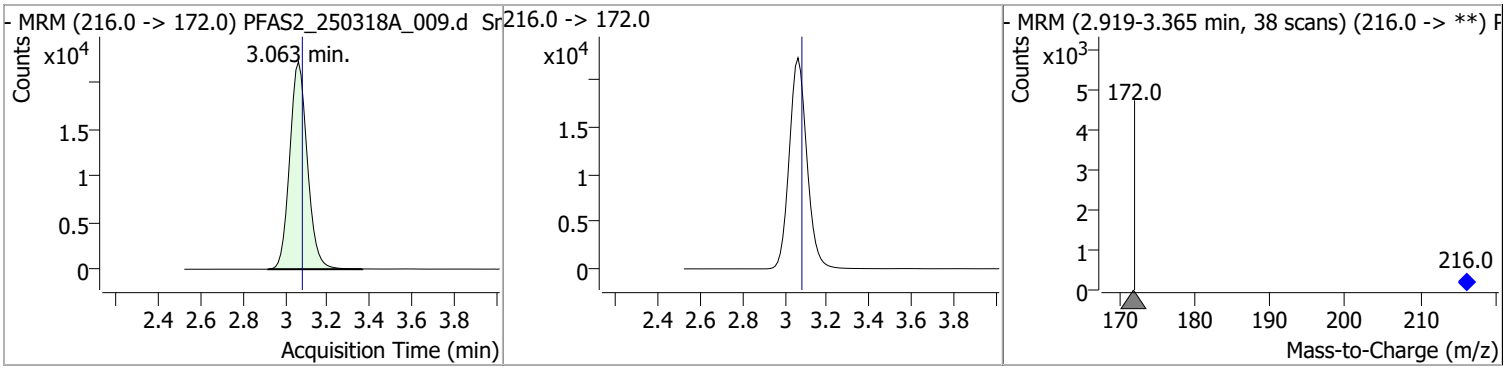
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	705588	75.0667	µg/L		94
Spiked Amount: 76.000	Range: 70 - 130%			Recovery = 98.77%			
PFOA	5.824	413.0 -> 369.0	1228805	19.1930	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.96%			
PFHxS	5.957	398.9 -> 80.0	245287	18.7533	µg/L		92
Spiked Amount: 18.280	Range: 70 - 130%			Recovery = 102.59%			
PFNA	6.226	463.0 -> 419.0	1028471	19.2106	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.05%			
PFHpS	6.370	448.9 -> 80.0	196027	19.3595	µg/L		94
Spiked Amount: 19.060	Range: 70 - 130%			Recovery = 101.57%			
8-2 FTSA	6.424	527.0 -> 507.0	376101	77.9095	µg/L	#	76
Spiked Amount: 76.800	Range: 70 - 130%			Recovery = 101.44%			
7-3 FTCA	6.585	441.0 -> 317.0	1428744	397.3993	µg/L		96
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 99.35%			
PFDA	6.615	513.0 -> 469.0	983343	20.1879	µg/L		92
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.94%			
N-MeFOSAA	6.742	570.0 -> 419.0	197575	20.1763	µg/L		97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.88%			
PFOS	6.772	498.9 -> 80.0	176273	17.9980	µg/L		97
Spiked Amount: 18.560	Range: 70 - 130%			Recovery = 96.97%			
N-EtFOSAA	6.953	584.0 -> 419.0	157562	20.4122	µg/L		90
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.06%			
PFUnDA	6.991	563.0 -> 519.0	784516	20.6749	µg/L		94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.37%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	1935862	38.3783	µg/L		90
Spiked Amount: 37.400	Range: 70 - 130%			Recovery = 102.62%			
PFNS	7.159	548.9 -> 80.0	167273	20.1428	µg/L		89
Spiked Amount: 19.240	Range: 70 - 130%			Recovery = 104.69%			
PFDoDA	7.368	613.0 -> 569.0	583643	19.2723	µg/L		95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.36%			
PFDS	7.525	598.9 -> 80.0	131201	21.1449	µg/L		94
Spiked Amount: 19.300	Range: 70 - 130%			Recovery = 109.56%			
PFTrDA	7.736	663.0 -> 619.0	676618	20.0584	µg/L		94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.29%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1028008	46.1014	µg/L		98
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 121.96%			
PFTDA	8.093	712.9 -> 669.0	580109	19.6534	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.27%			
PFDoS	8.240	698.9 -> 80.0	90496	20.8572	µg/L		95
Spiked Amount: 19.400	Range: 70 - 130%			Recovery = 107.51%			
PFOSA	8.771	497.9 -> 78.0	247404	20.1560	µg/L		98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.78%			
MeFOSE	9.878	616.0 -> 59.0	664595	193.2619	µg/L		100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 96.63%			
N-MeFOSA	9.992	512.0 -> 219.0	78102	20.3367	µg/L		91
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.68%			
EtFOSE	10.210	630.0 -> 59.0	405978	195.6817	µg/L		100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 97.84%			
N-EtFOSA	10.323	526.0 -> 219.0	93686	21.5216	µg/L		95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 107.61%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

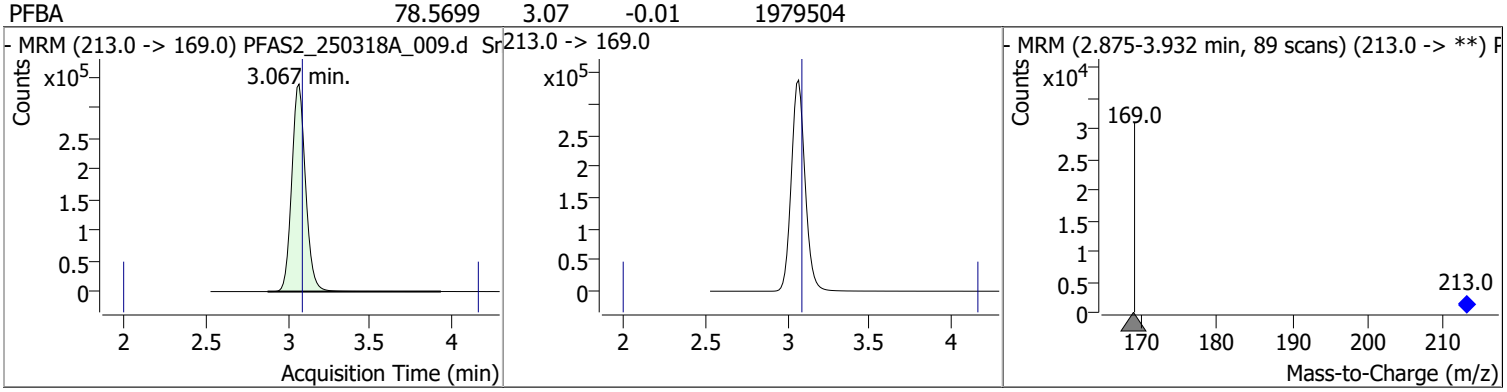
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8794	3.06	-0.01	287246				



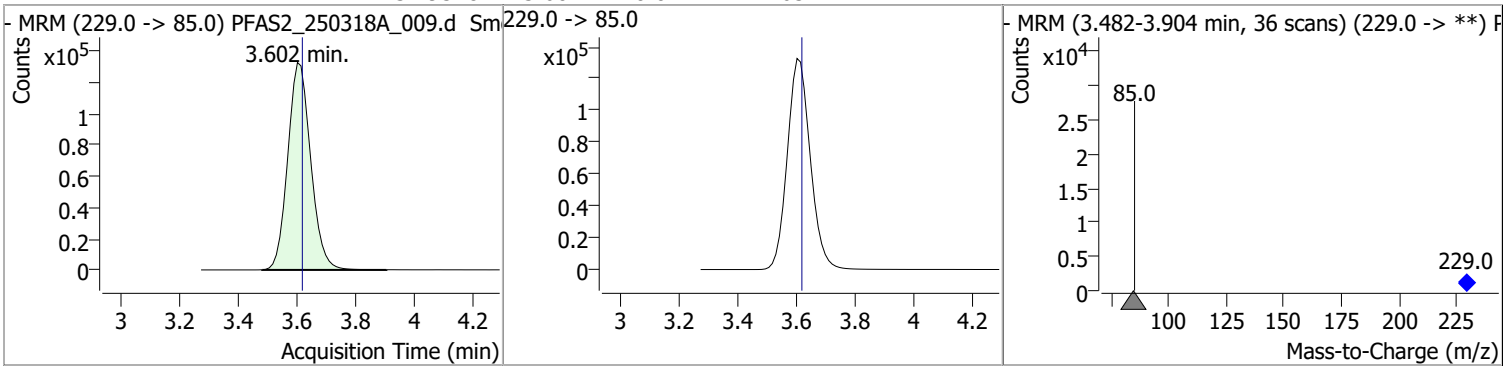
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	-0.01	127946				



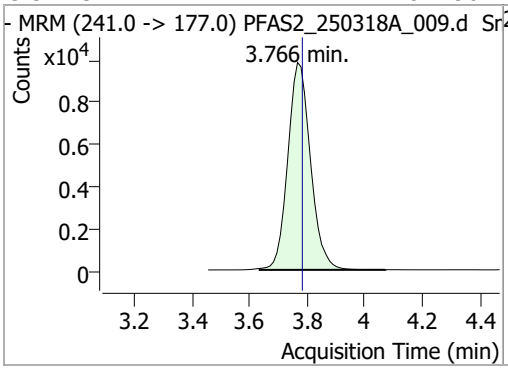
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	78.5699	3.07	-0.01	1979504				

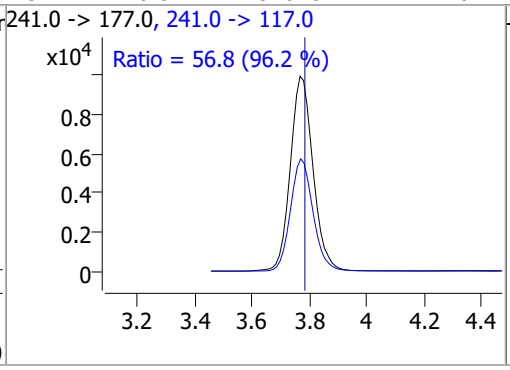


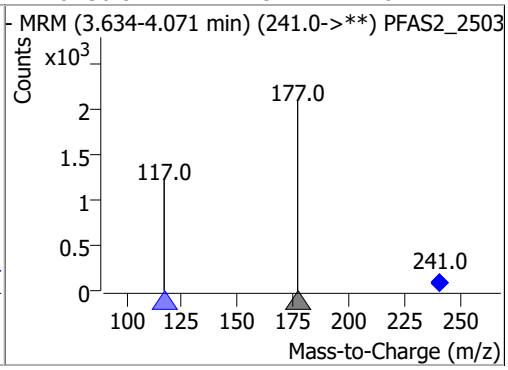
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	37.9528	3.60	-0.01	716542				



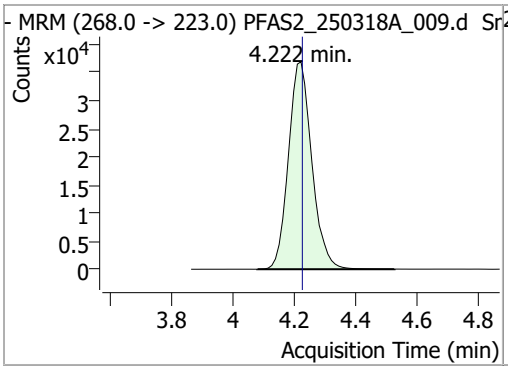
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	78.4190	3.77	-0.01	54010	241.0 -> 117.0	56.8	41.3	76.7

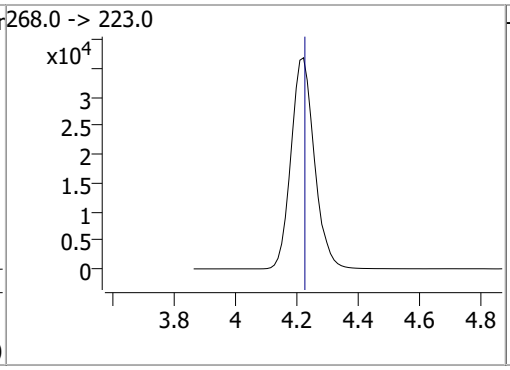


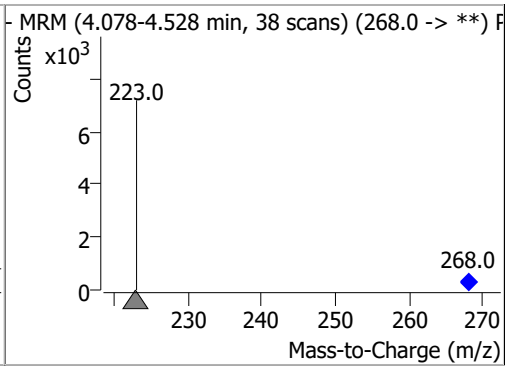




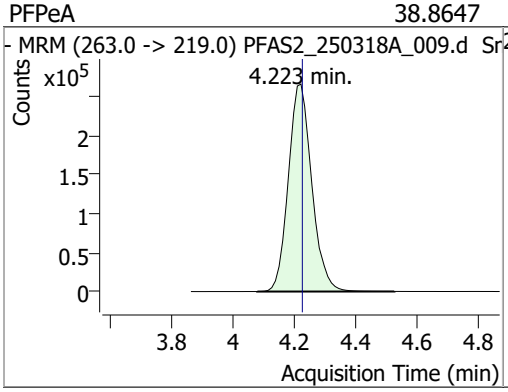
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0722	4.22	0.00	195705				

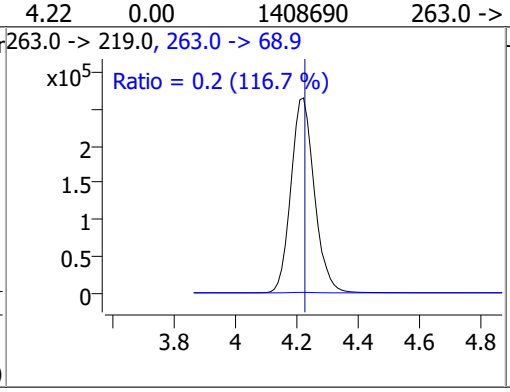


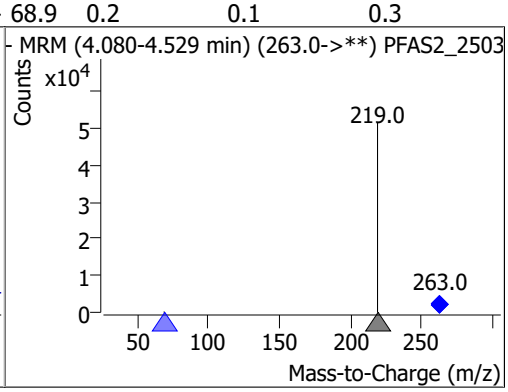




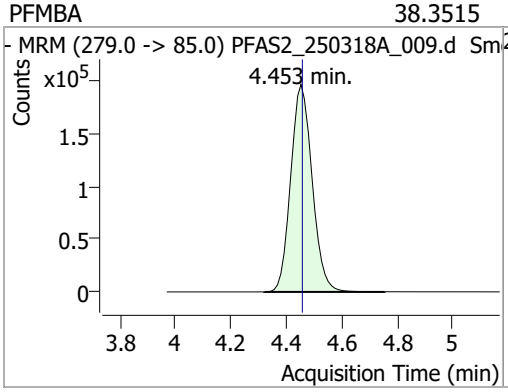
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	38.8647	4.22	0.00	1408690	263.0 -> 68.9	0.2	0.1	0.3

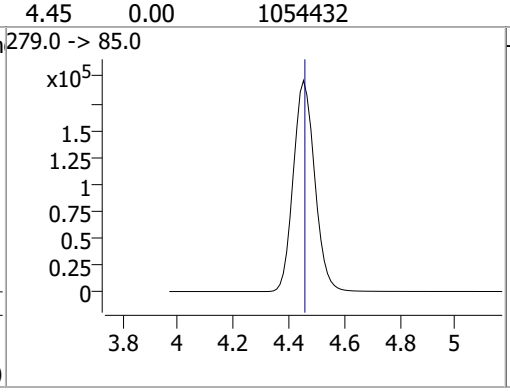


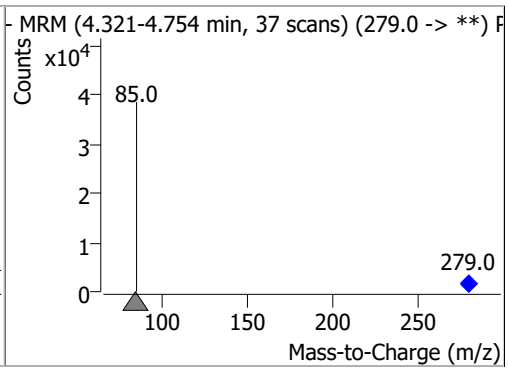




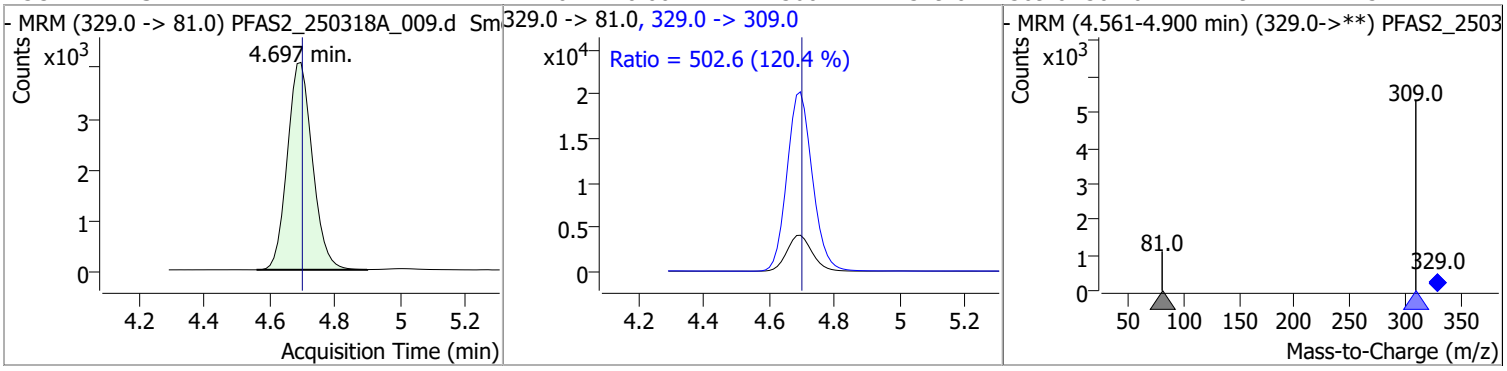
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	38.3515	4.45	0.00	1054432				



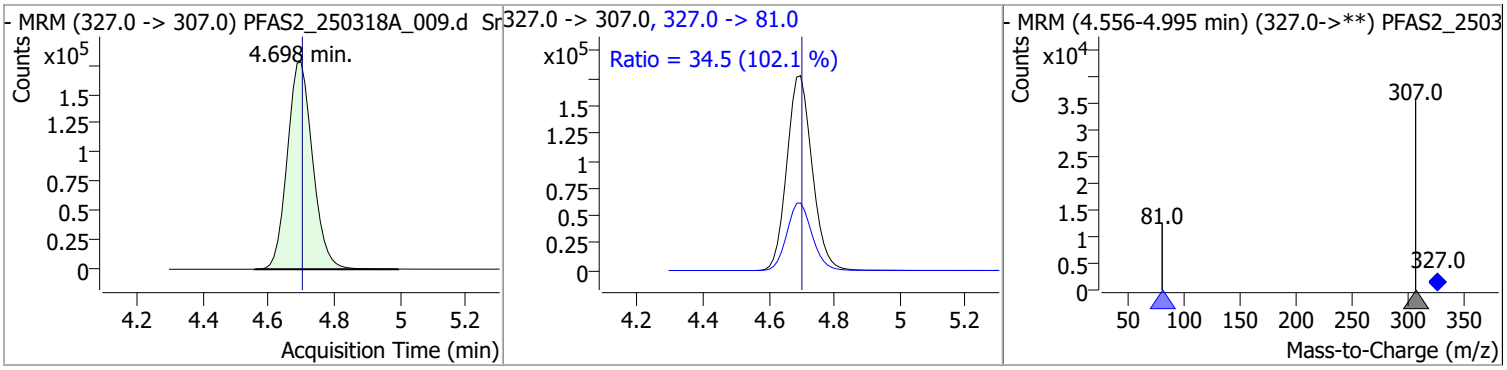




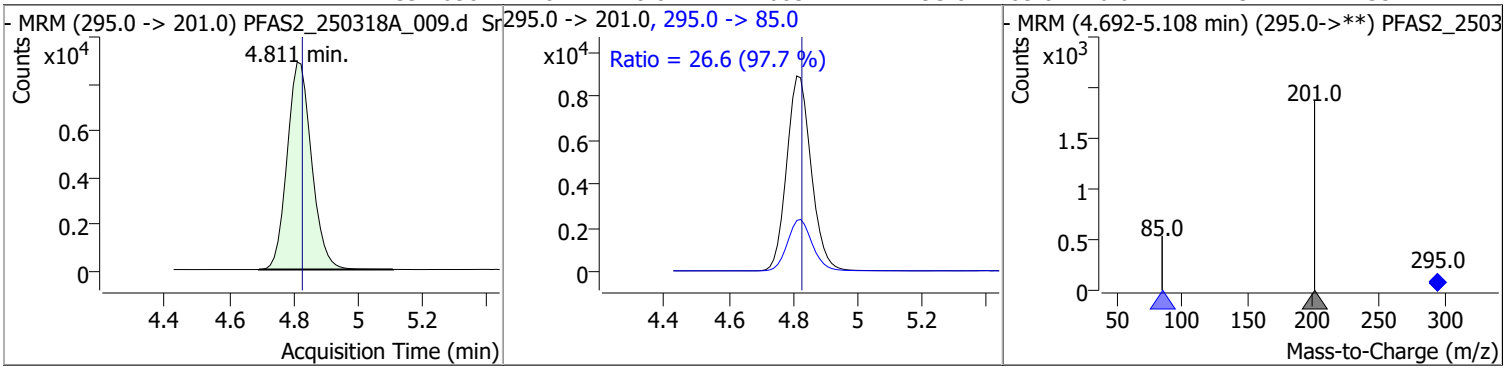
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.4214	4.70	0.00	21560	329.0 -> 309.0	502.6	292.1	542.4



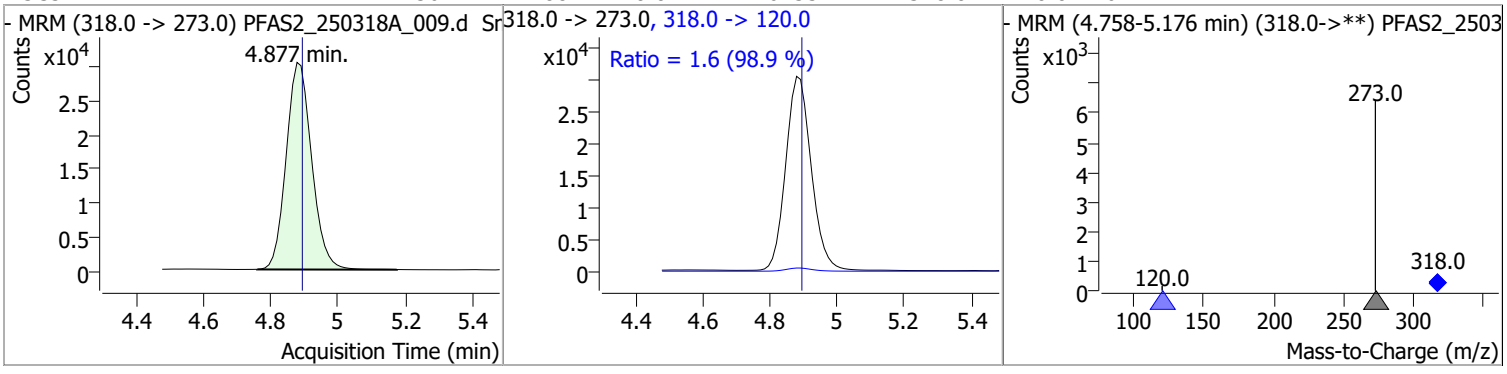
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	72.8590	4.70	0.00	954695	327.0 -> 81.0	34.5	23.6	43.9



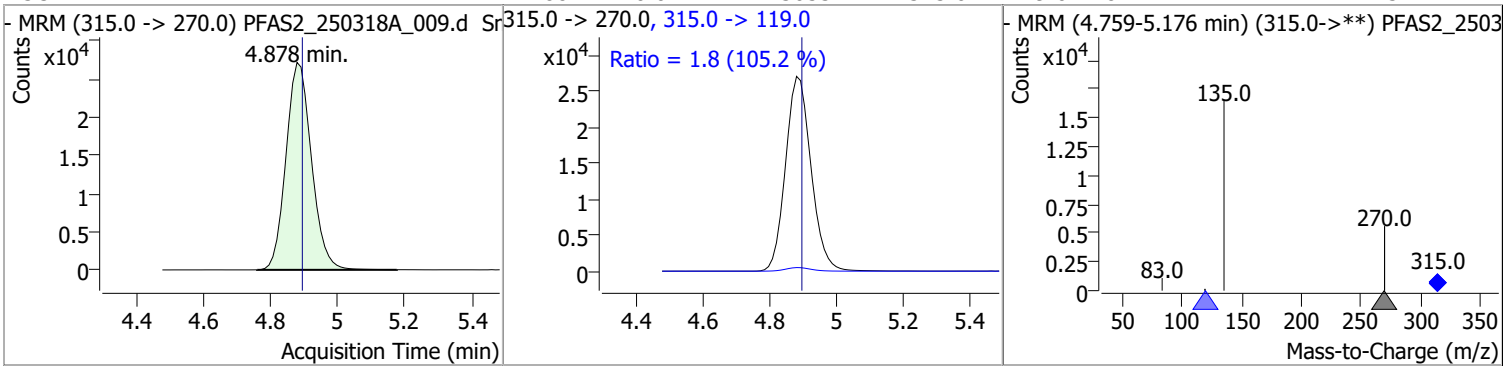
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	39.4650	4.81	-0.01	46832	295.0 -> 85.0	26.6	19.1	35.4



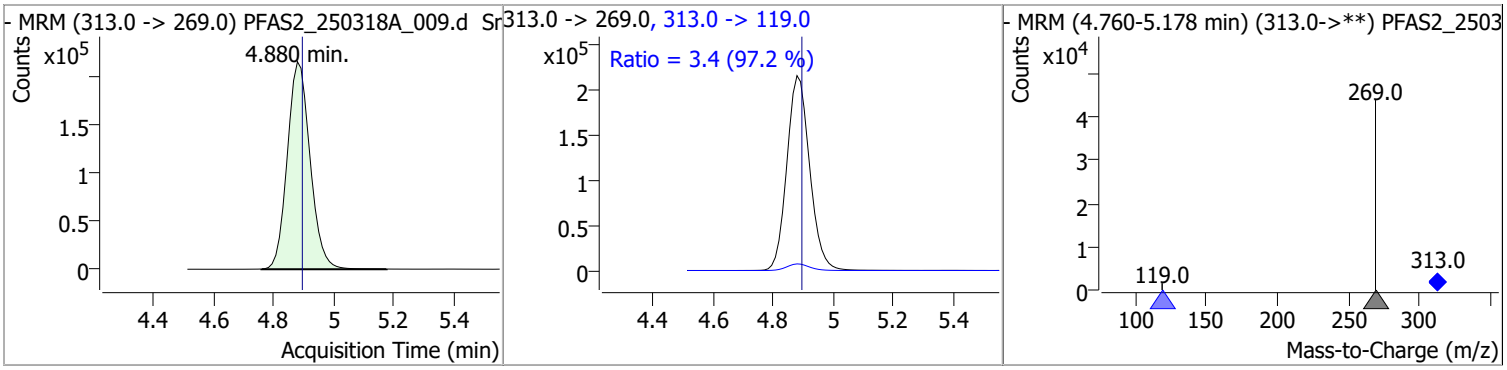
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5617	4.88	-0.01	161351	318.0 -> 120.0	1.6	1.1	2.1



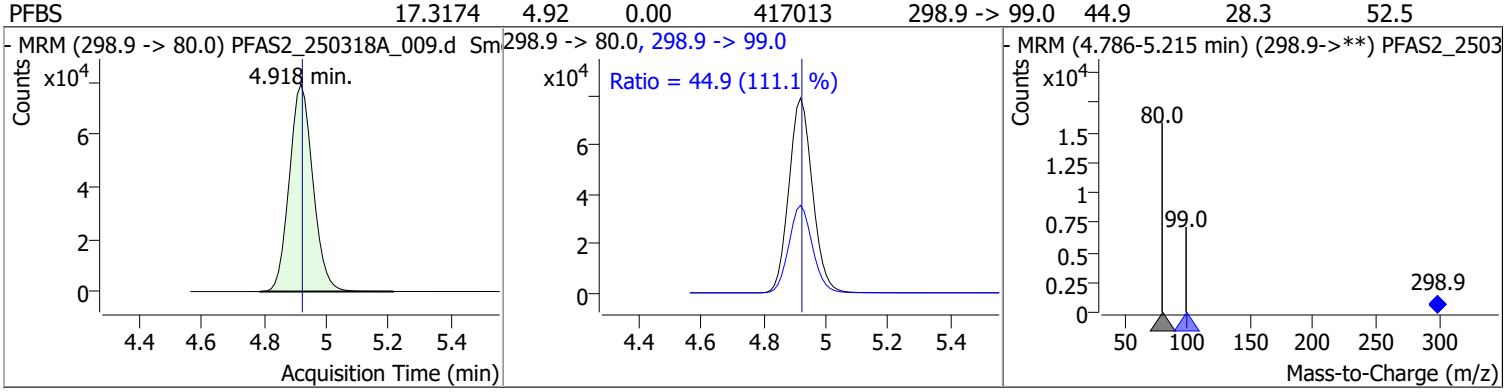
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.88	-0.01	143053	315.0 -> 119.0	1.8	1.2	2.3



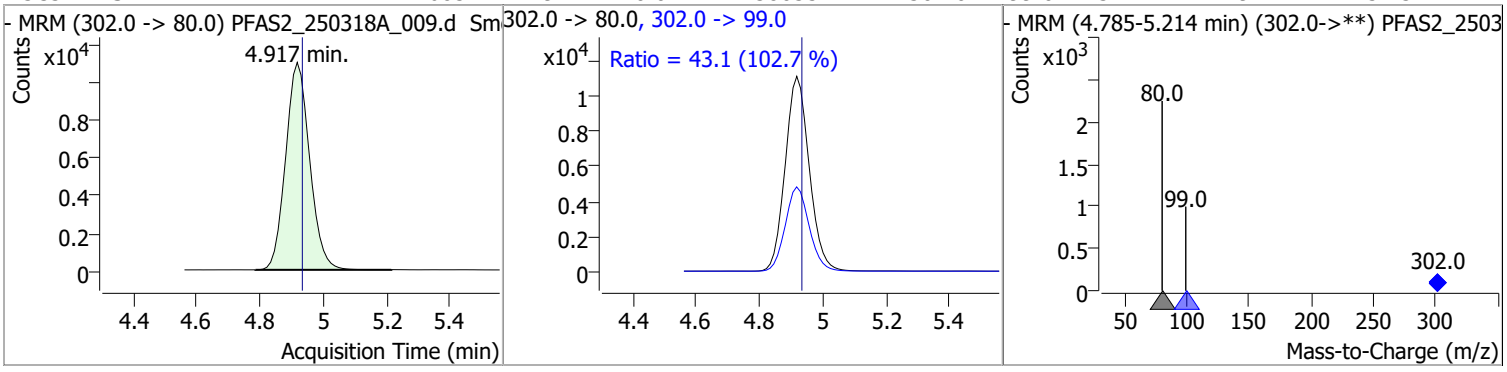
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	19.6094	4.88	-0.01	1132178	313.0 -> 119.0	3.4	2.4	4.5



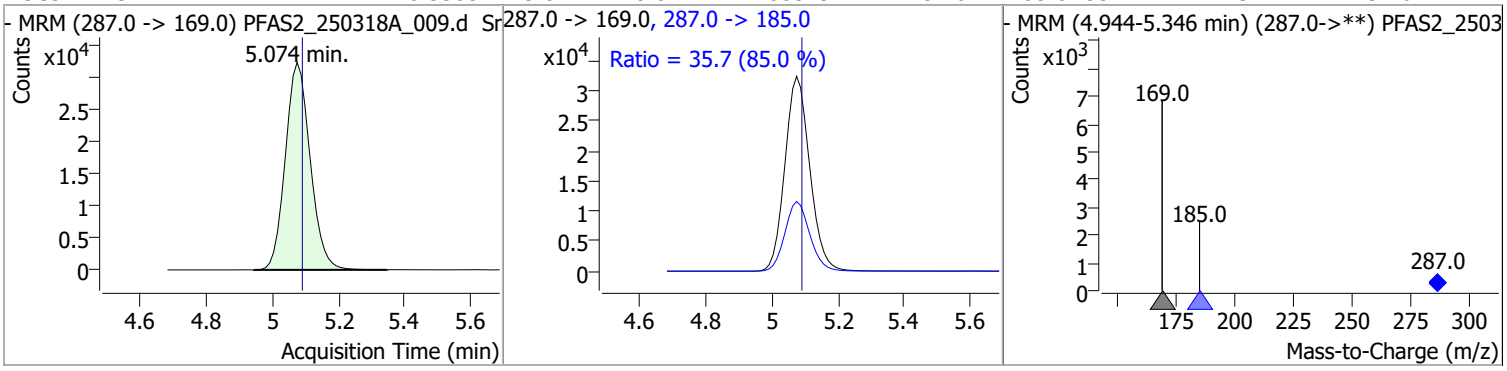
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	17.3174	4.92	0.00	417013	298.9 -> 99.0	44.9	28.3	52.5



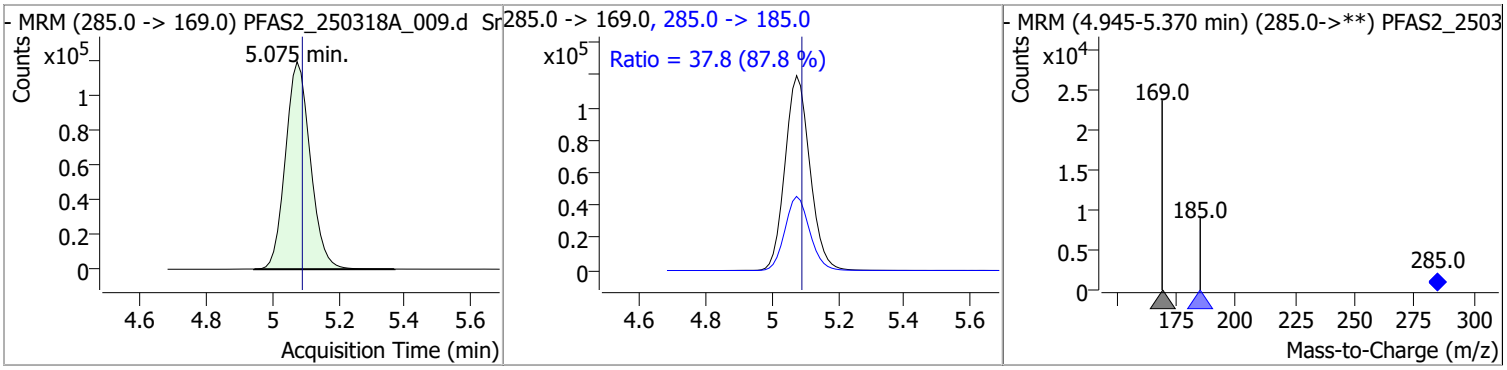
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4685	4.92	-0.01	58035	302.0 -> 99.0	43.1	29.4	54.5



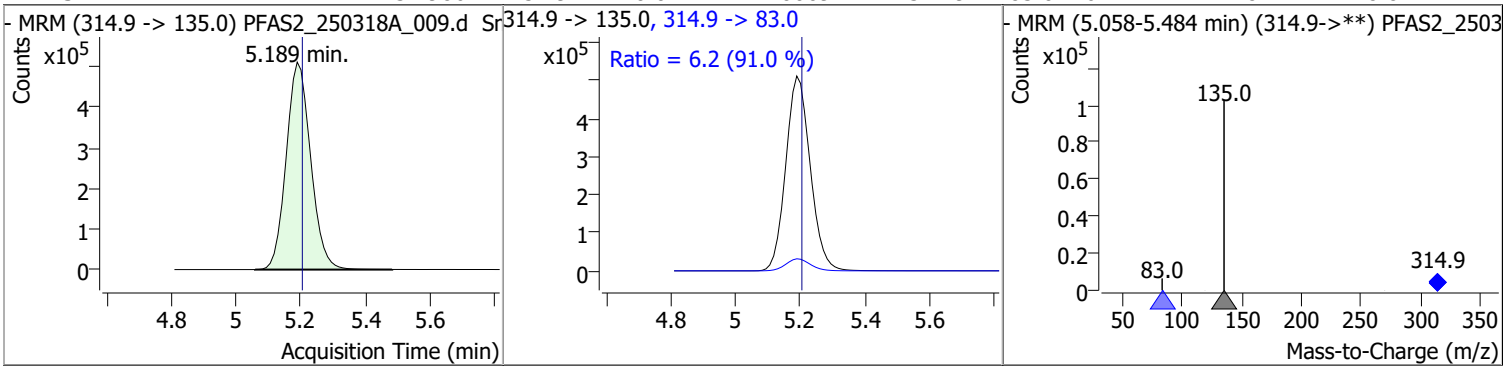
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.3305	5.07	-0.01	168349	287.0 -> 185.0	35.7	29.4	54.6



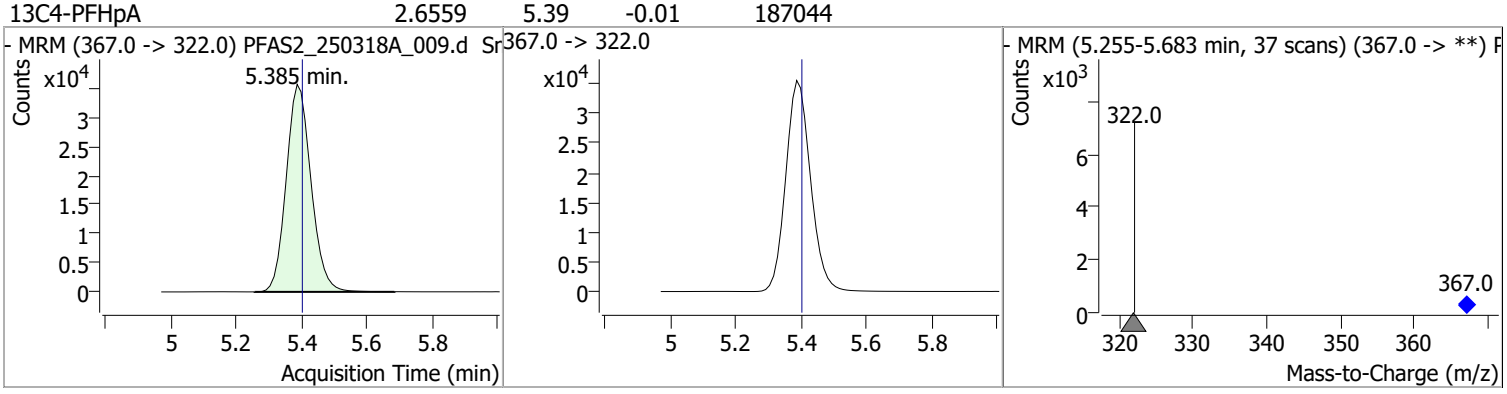
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	41.7831	5.07	-0.01	624077	285.0 -> 185.0	37.8	30.1	56.0



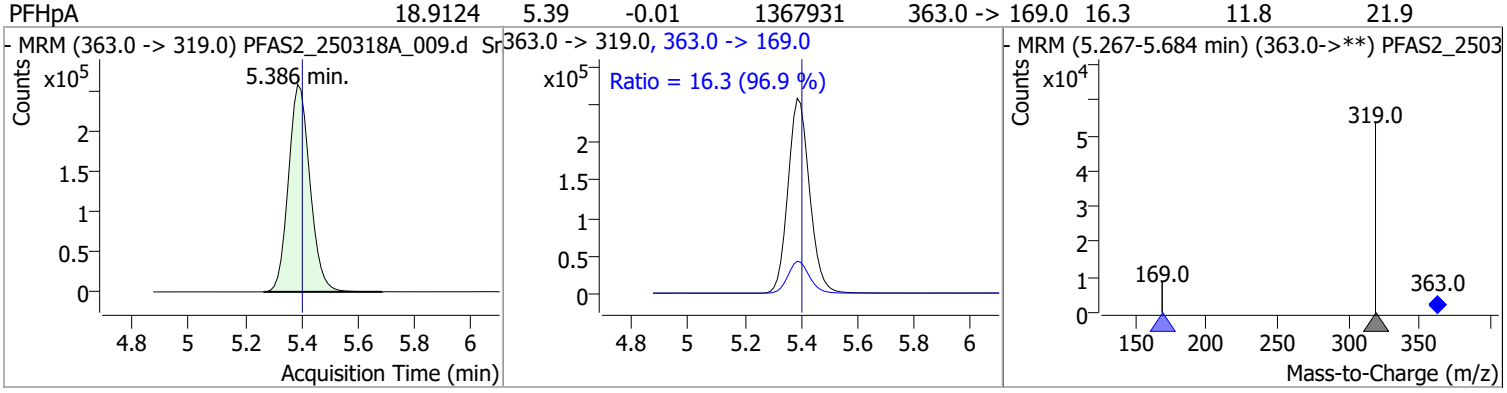
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	34.9861	5.19	-0.01	2700094	314.9 -> 83.0	6.2	4.8	8.8



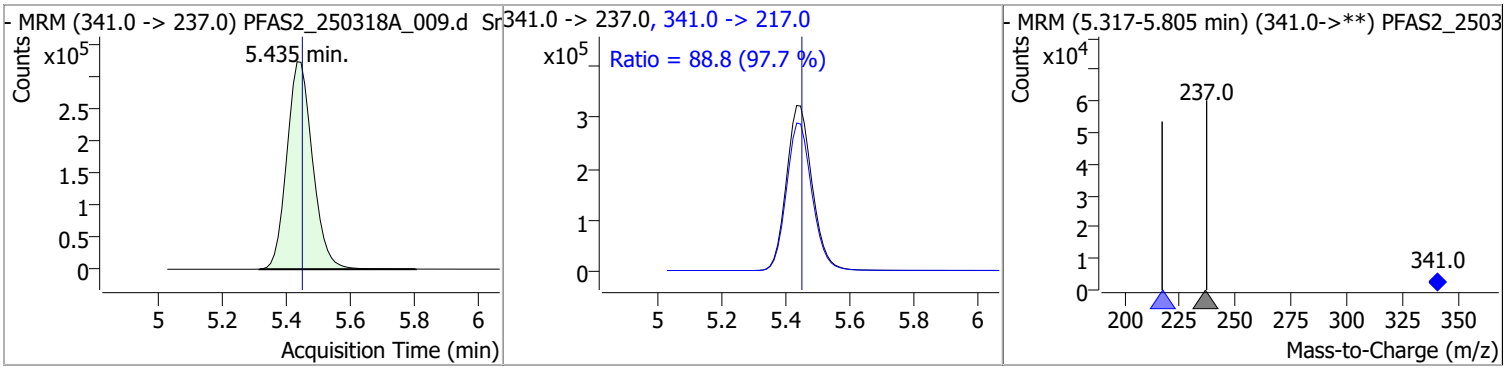
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.6559	5.39	-0.01	187044				



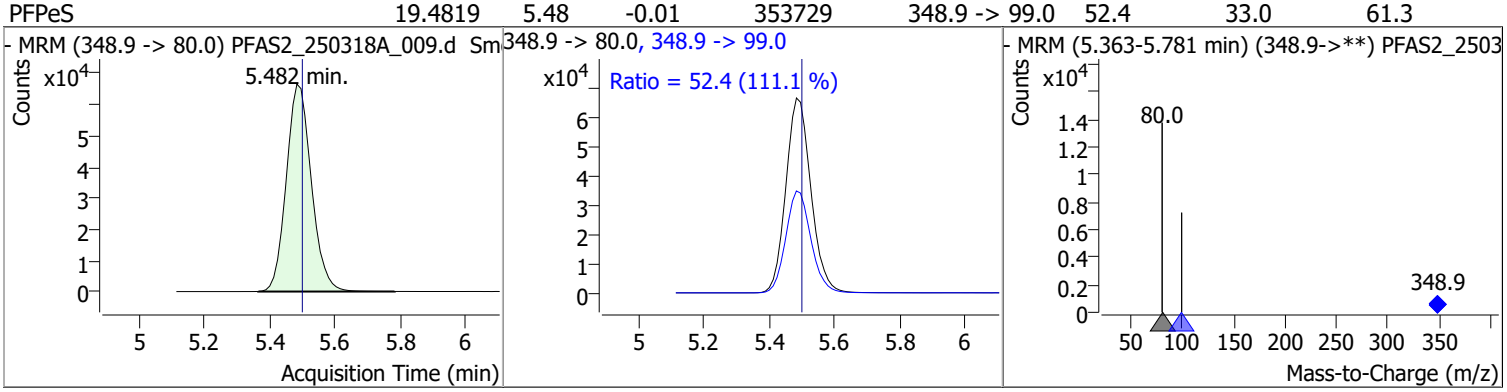
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	18.9124	5.39	-0.01	1367931	363.0 -> 169.0	16.3	11.8	21.9



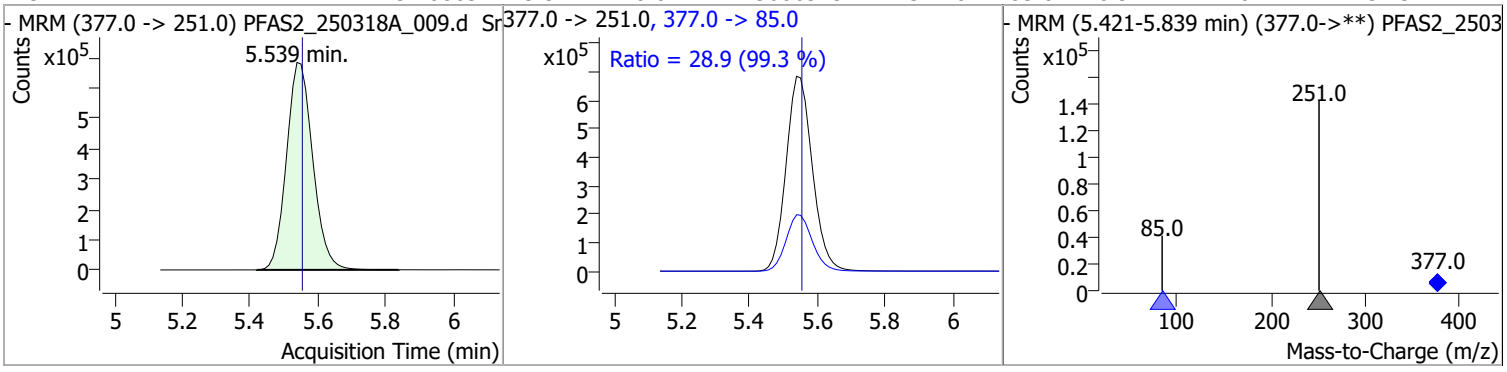
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	387.1574	5.43	-0.01	1804332	341.0 -> 217.0	88.8	63.6	118.1



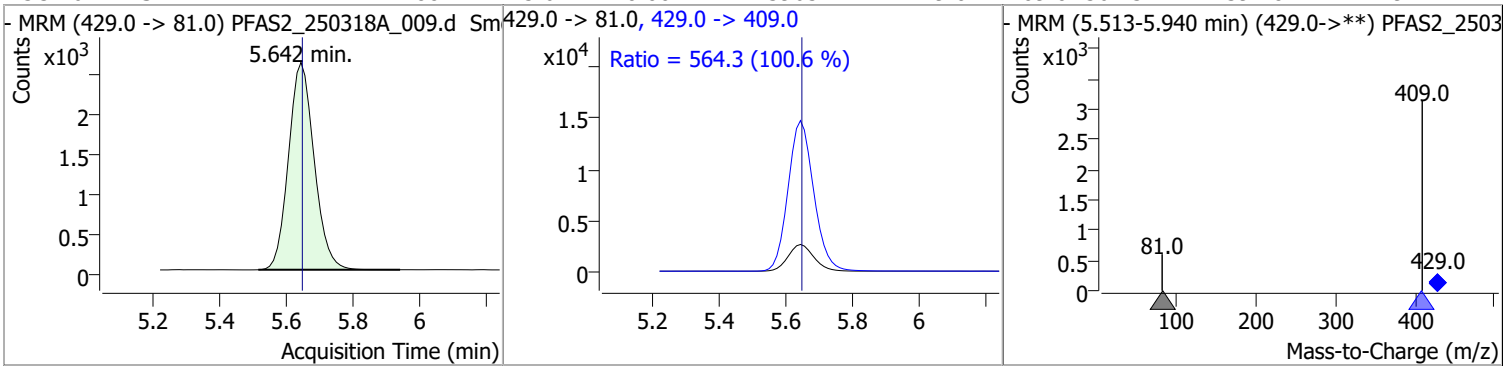
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	19.4819	5.48	-0.01	353729	348.9 -> 99.0	52.4	33.0	61.3



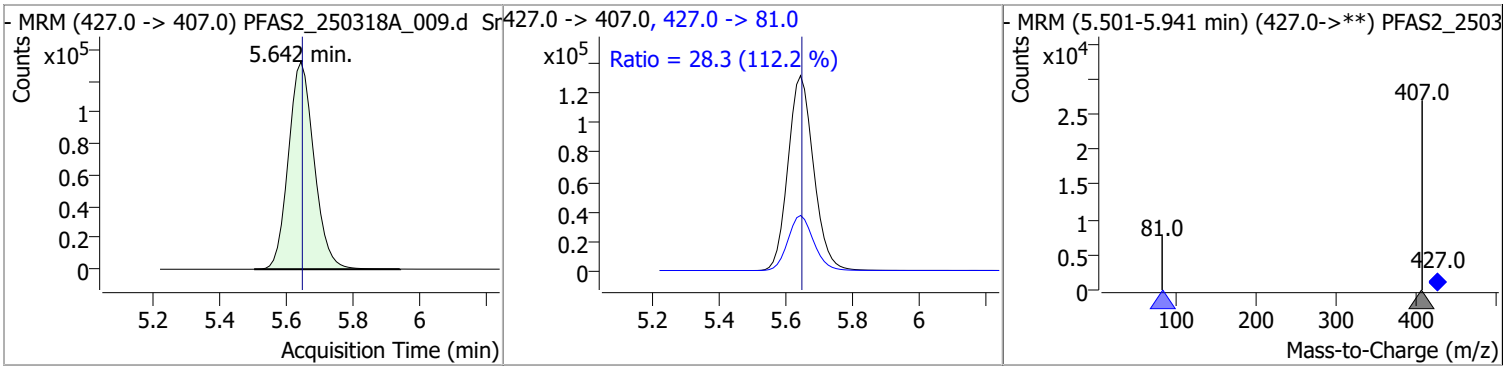
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	37.0809	5.54	-0.01	3686949	377.0 -> 85.0	28.9	20.4	37.9



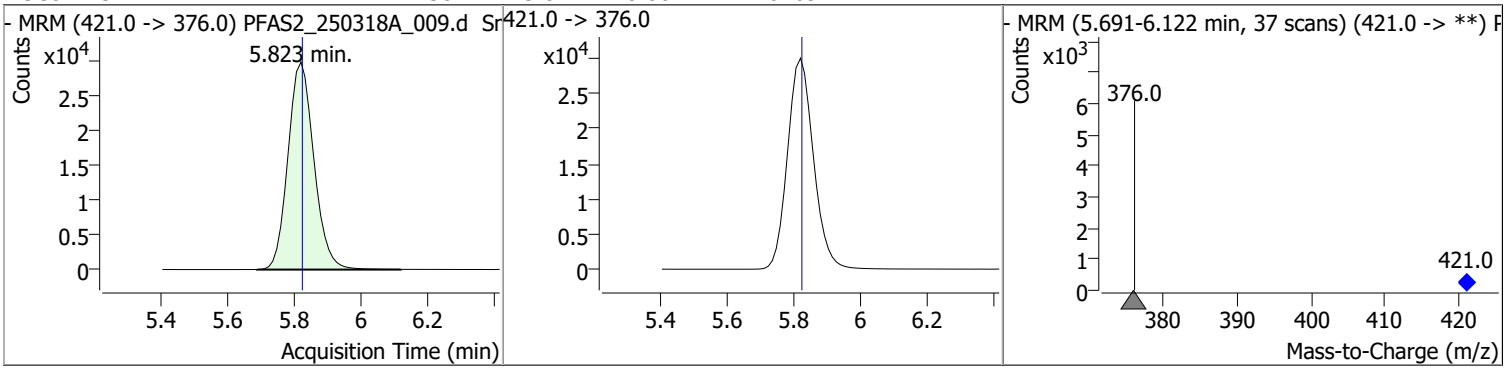
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8847	5.64	0.00	13965	429.0 -> 409.0	564.3	392.8	729.4



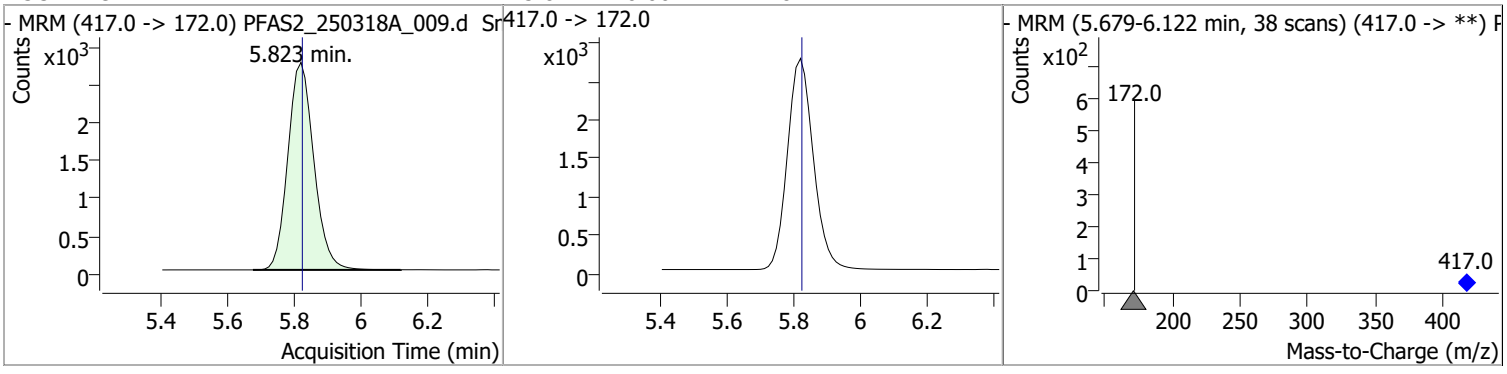
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	75.0667	5.64	0.00	705588	427.0 -> 81.0	28.3	17.7	32.8



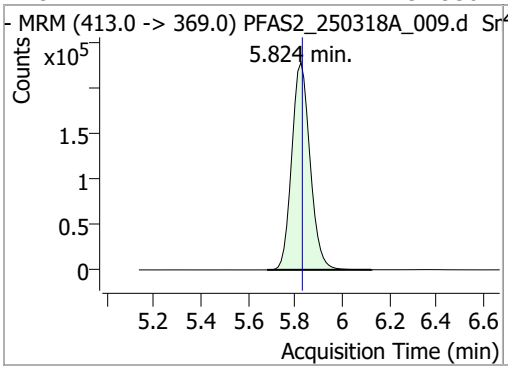
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4387	5.82	0.00	161692				

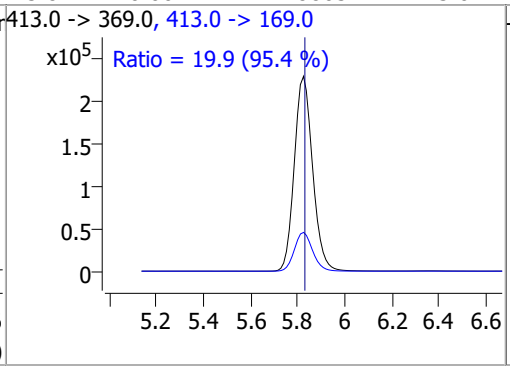


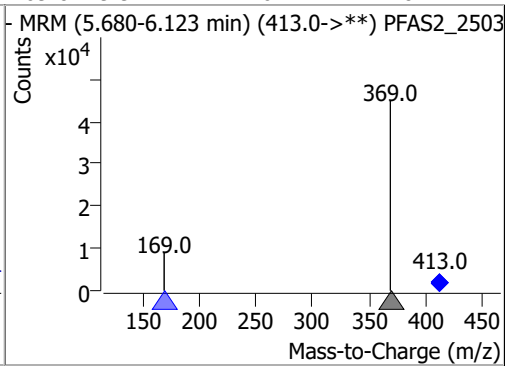
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	14827				



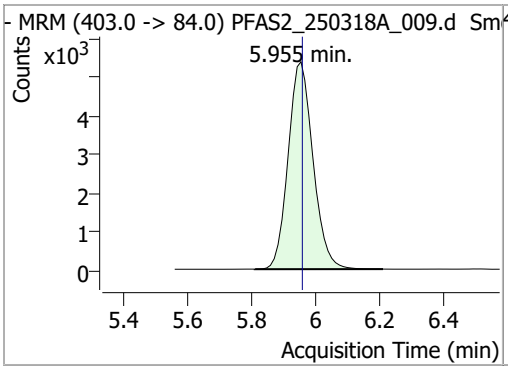
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	19.1930	5.82	0.00	1228805	413.0 -> 169.0	19.9	14.6	27.0

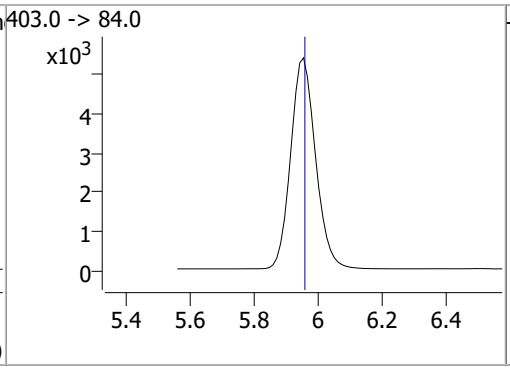


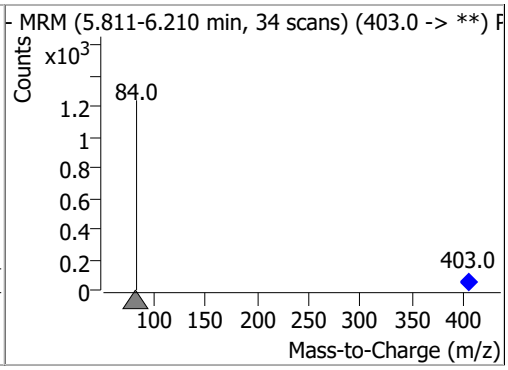




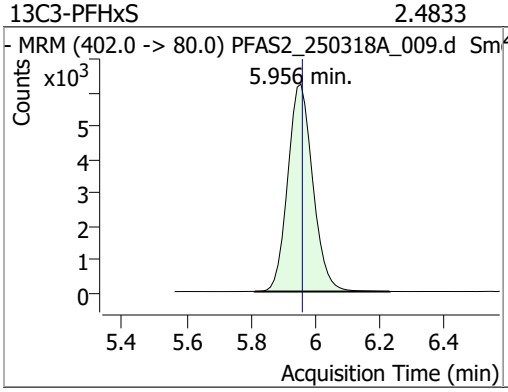
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28710				

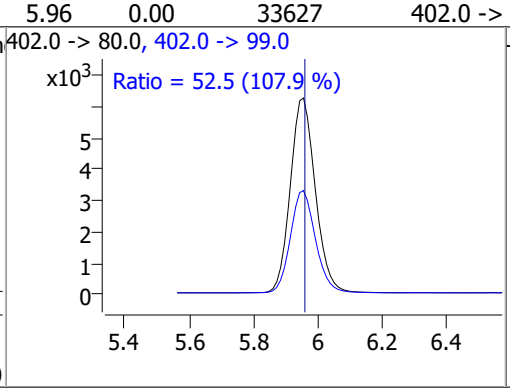


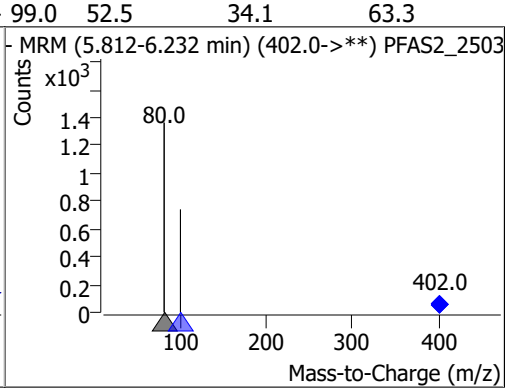




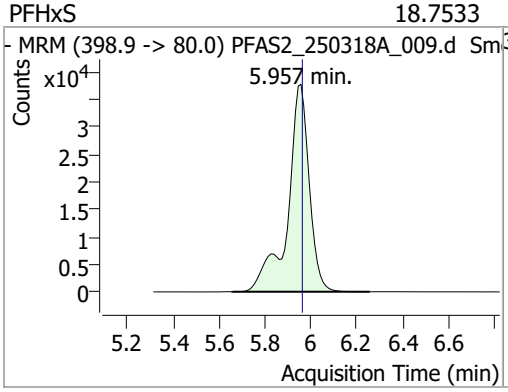
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4833	5.96	0.00	33627	402.0 -> 99.0	52.5	34.1	63.3

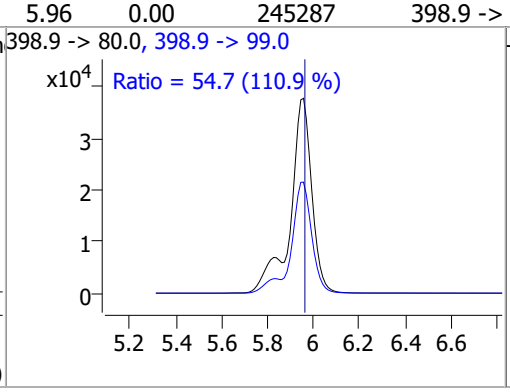


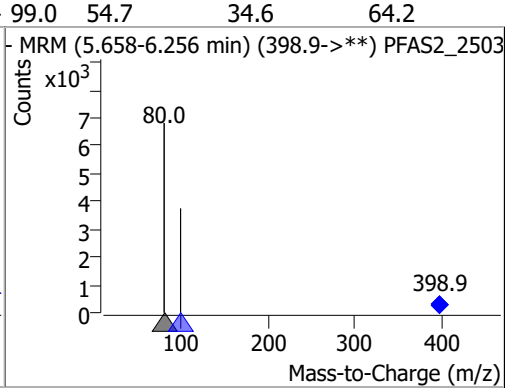




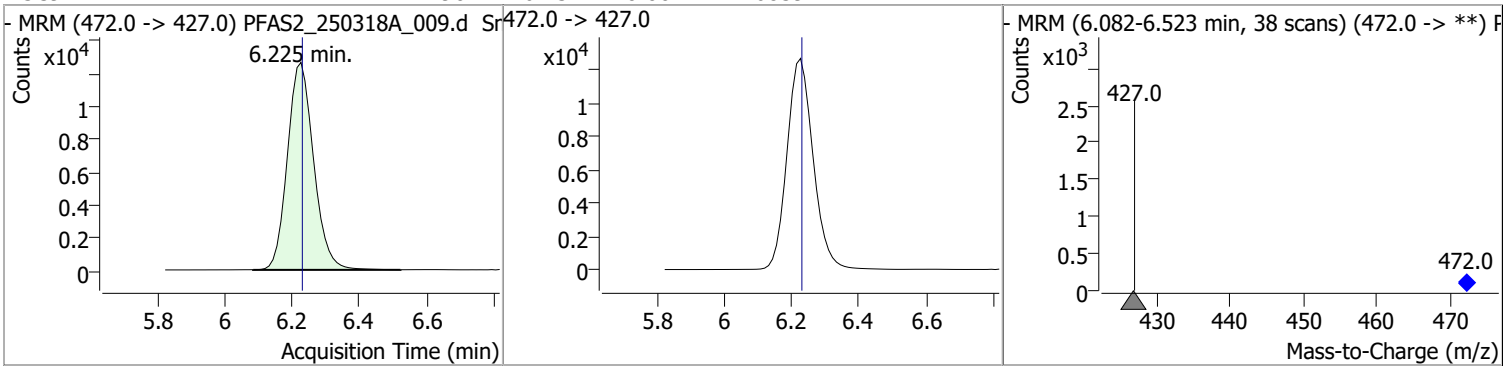
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	18.7533	5.96	0.00	245287	398.9 -> 99.0	54.7	34.6	64.2



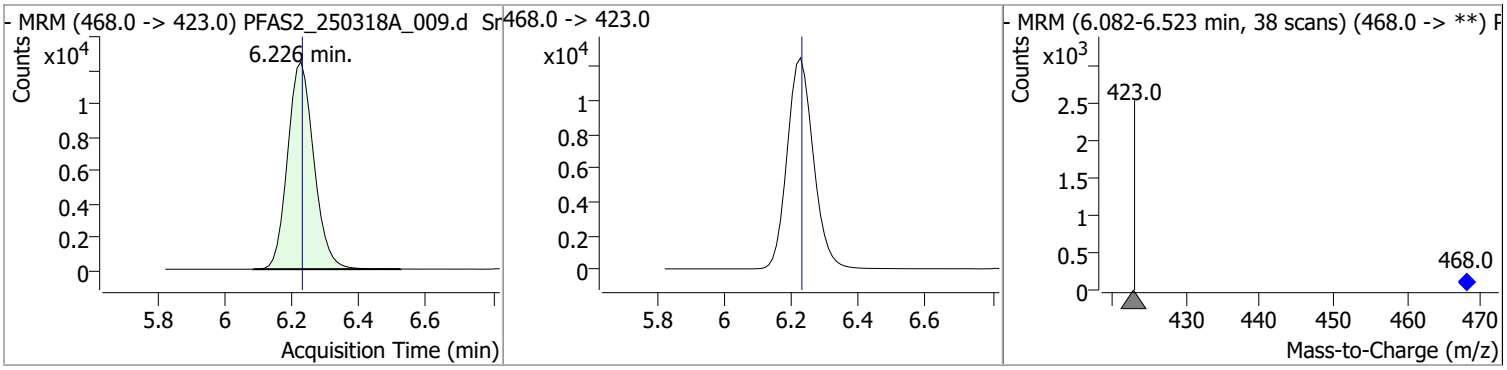




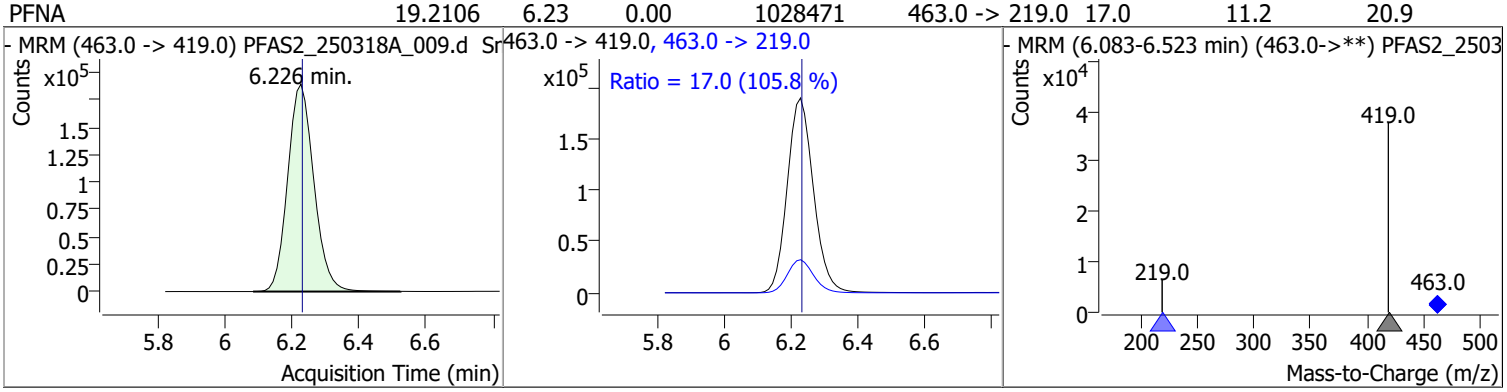
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2790	6.23	0.00	68592				



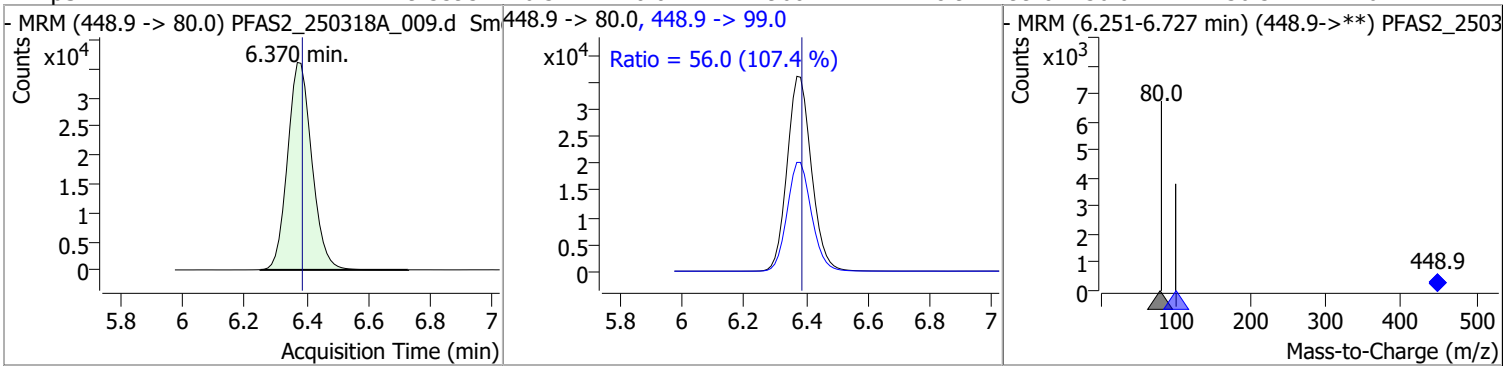
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	67680				



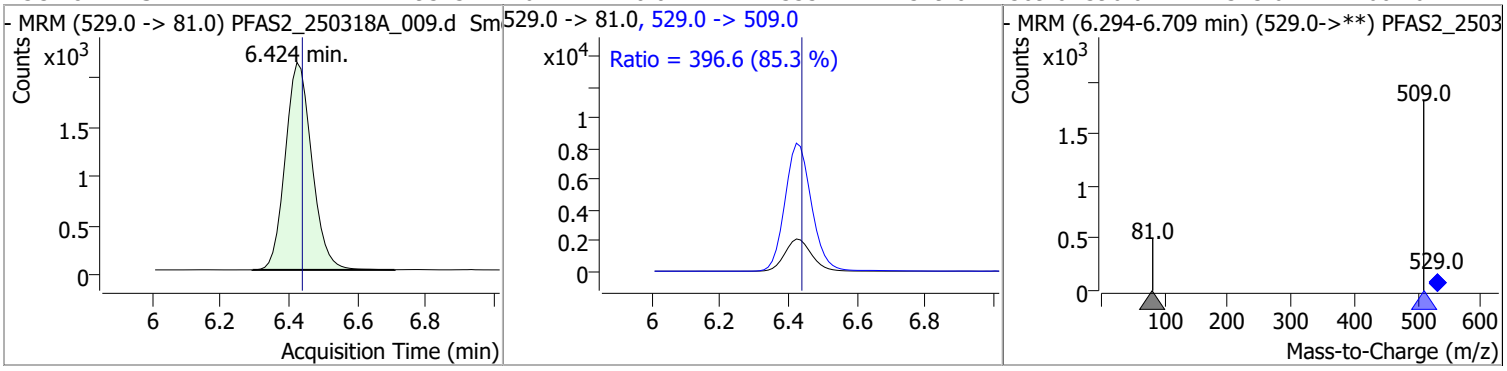
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	19.2106	6.23	0.00	1028471	463.0 -> 219.0	17.0	11.2	20.9



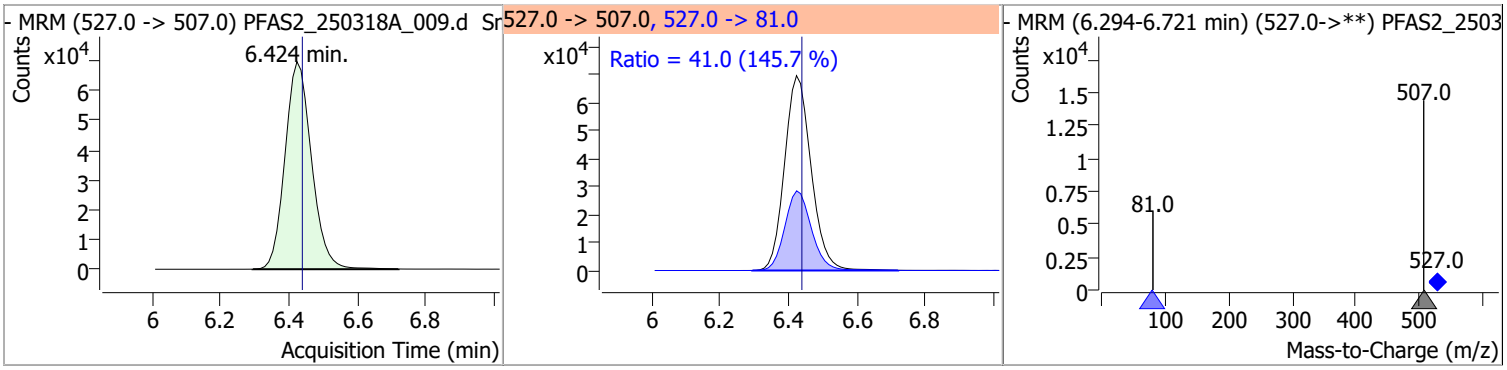
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	19.3595	6.37	-0.01	196027	448.9 -> 99.0	56.0	36.5	67.7



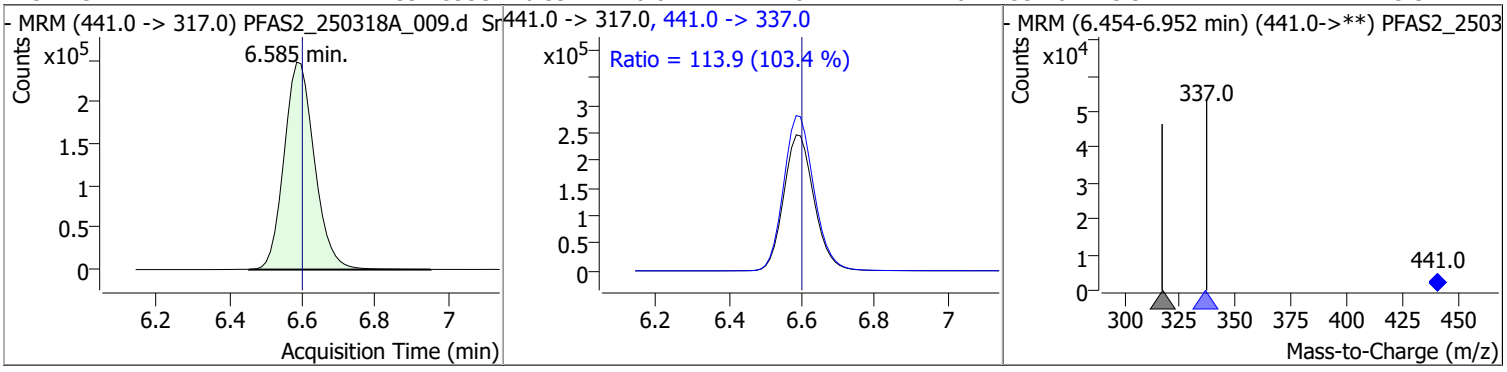
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9313	6.42	-0.01	11335	529.0 -> 509.0	396.6	325.6	604.6



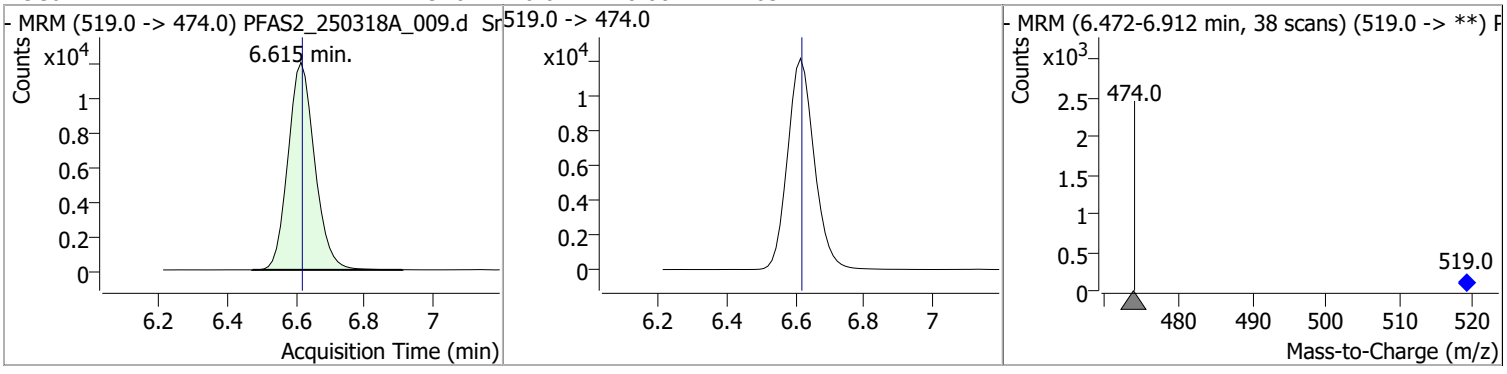
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	77.9095	6.42	-0.01	376101	527.0 -> 81.0	41.0	19.7	36.6



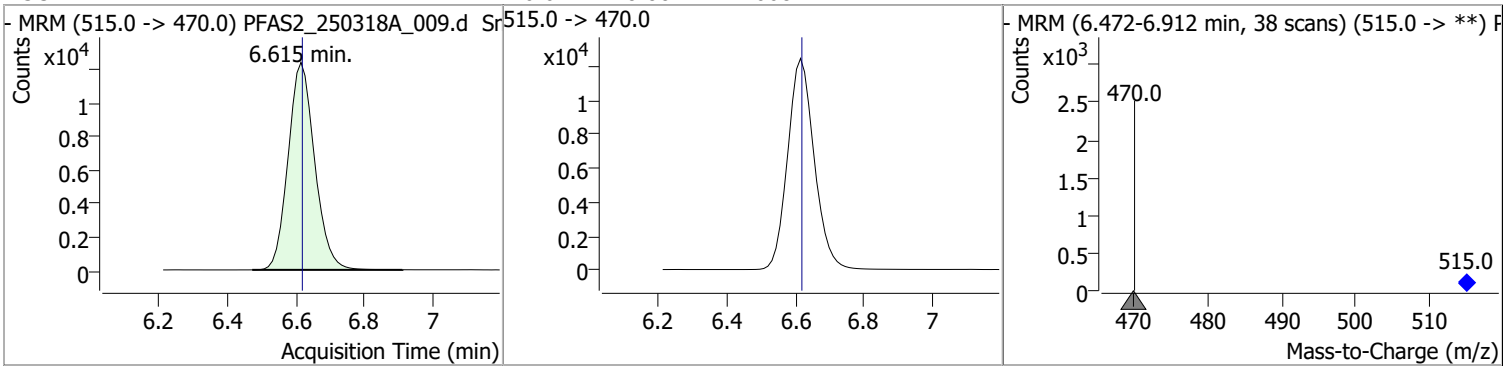
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	397.3993	6.59	-0.01	1428744	441.0 -> 337.0	113.9	77.1	143.3



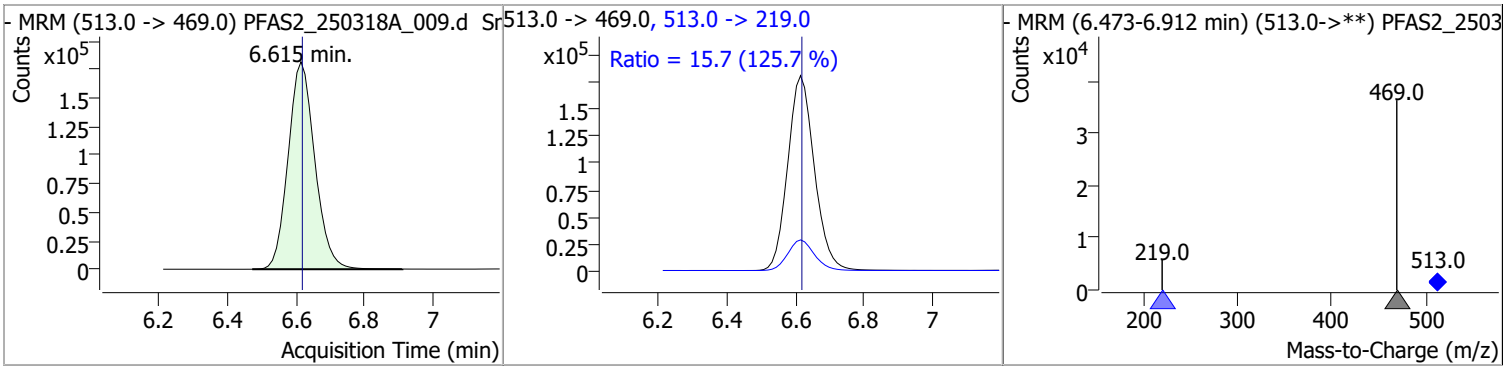
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.1976	6.61	0.00	65111				



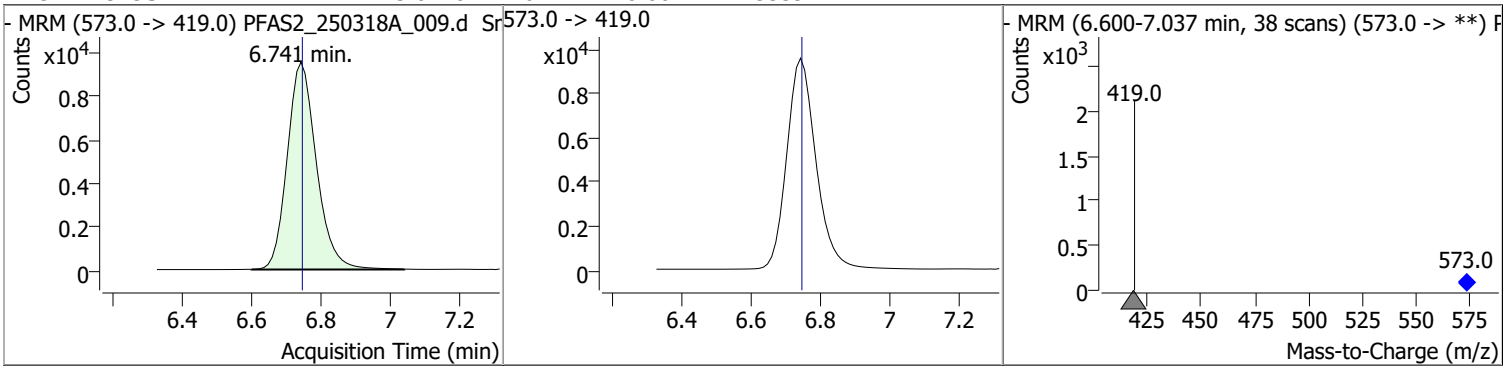
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66814				



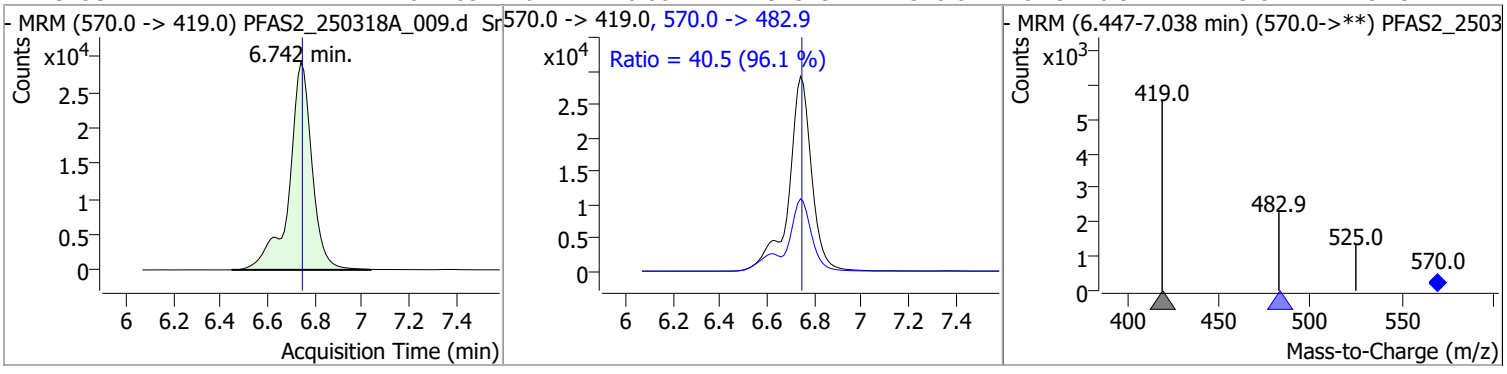
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	20.1879	6.62	0.00	983343	513.0 -> 219.0	15.7	8.7	16.2



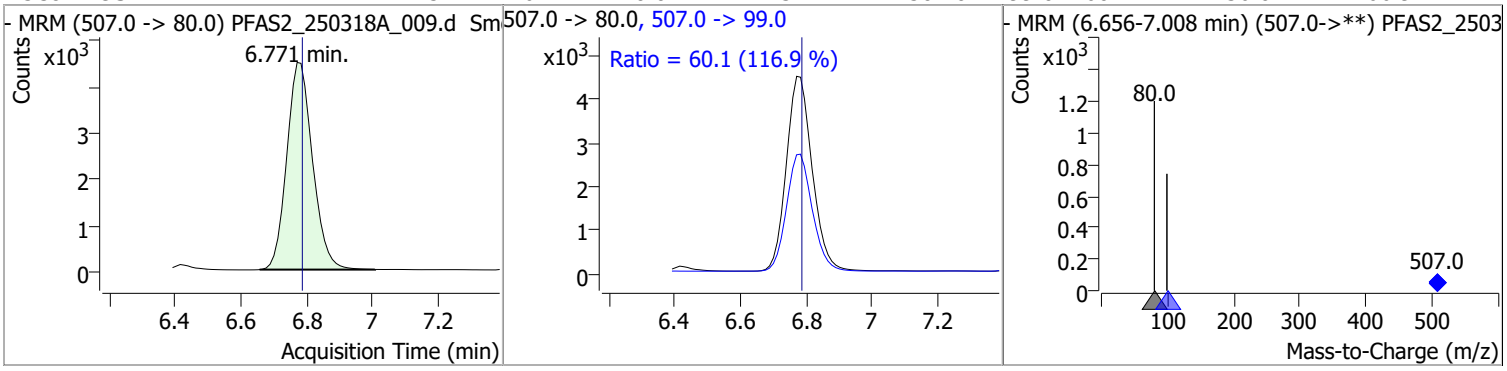
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0470	6.74	0.00	55394				



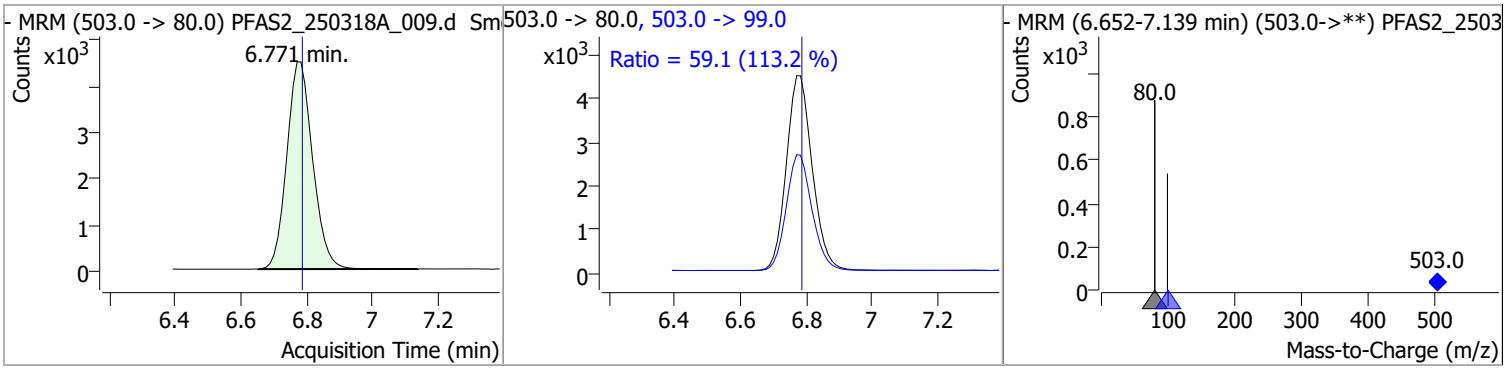
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	20.1763	6.74	0.00	197575	570.0 -> 482.9	40.5	29.5	54.9



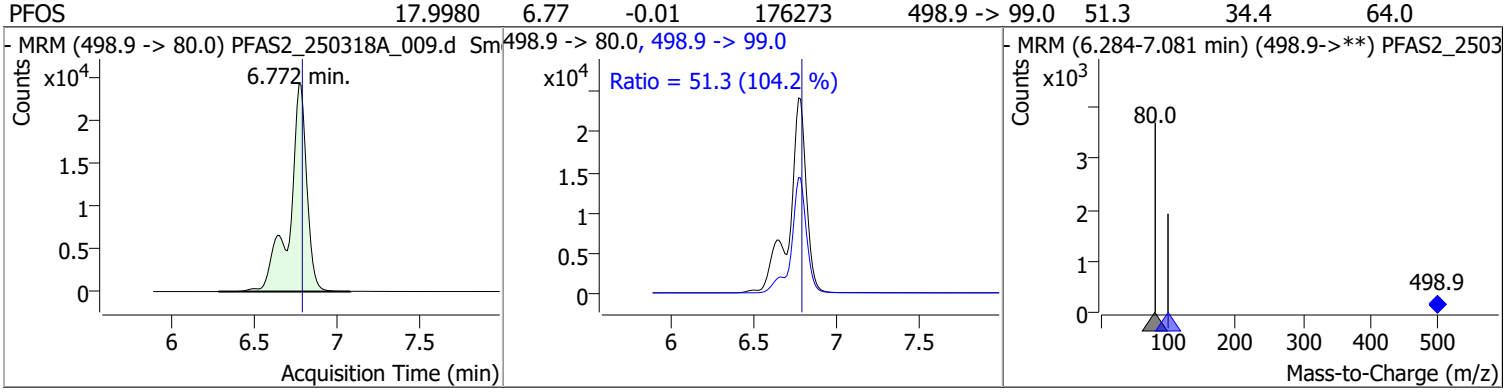
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4521	6.77	-0.01	24344	507.0 -> 99.0	60.1	36.0	66.9



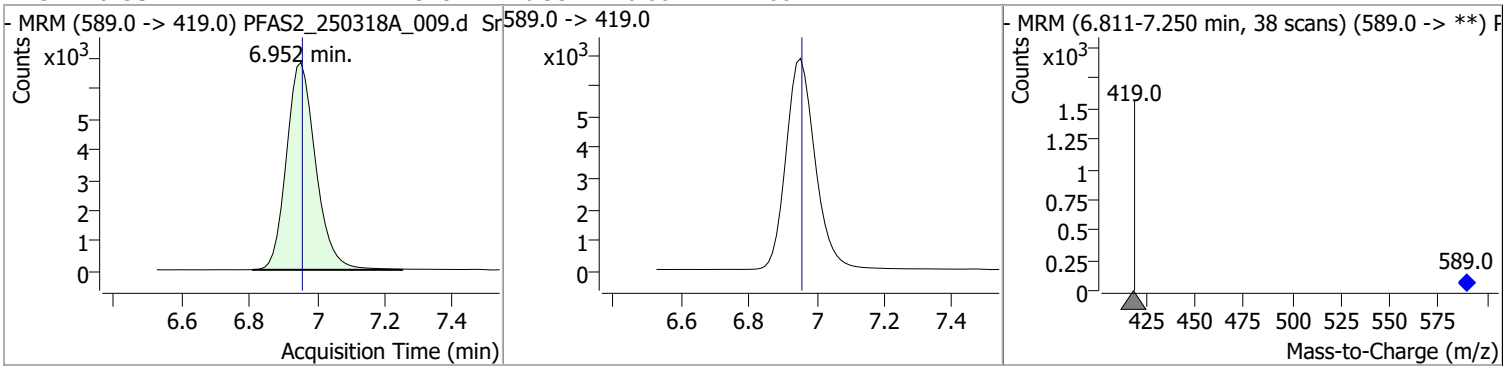
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.77	-0.01	24461	503.0 -> 99.0	59.1	36.6	67.9



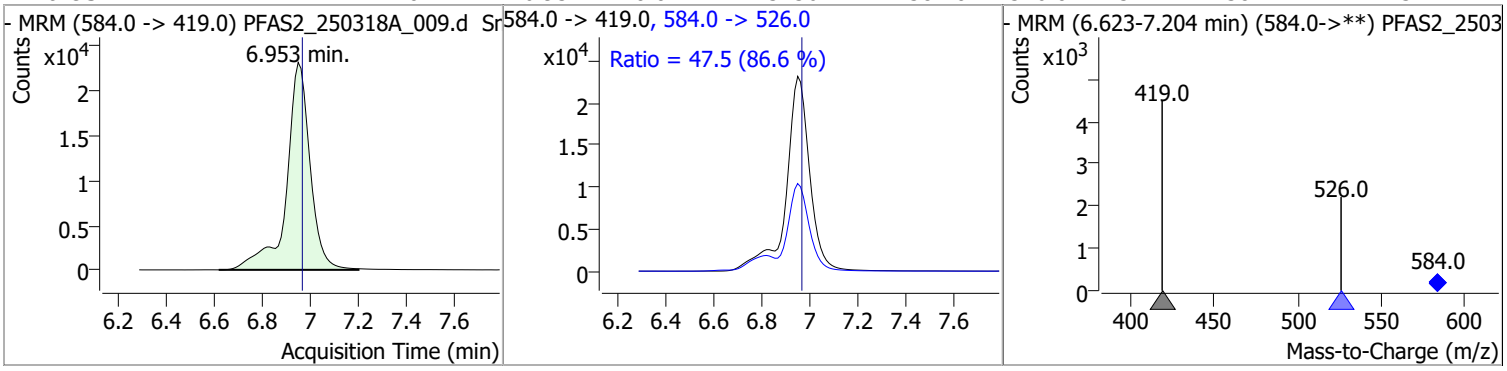
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	17.9980	6.77	-0.01	176273	498.9 -> 99.0	51.3	34.4	64.0



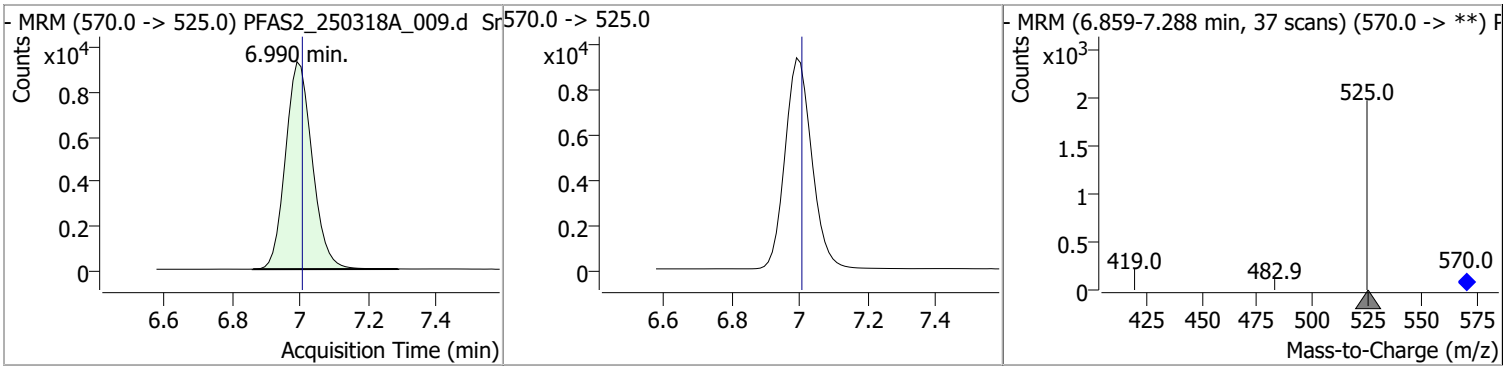
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9251	6.95	0.00	40811				



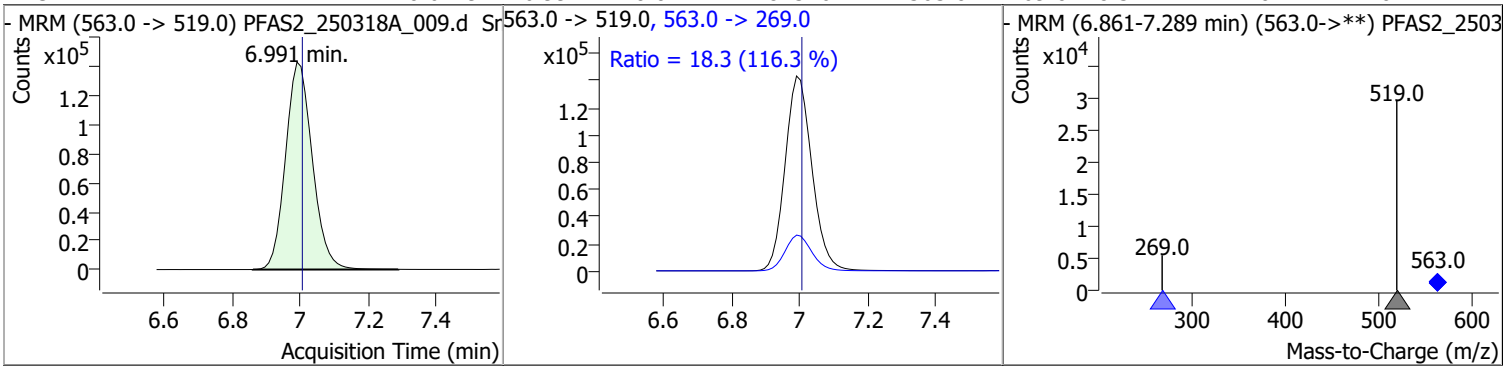
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	20.4122	6.95	-0.01	157562	584.0 -> 526.0	47.5	38.4	71.3



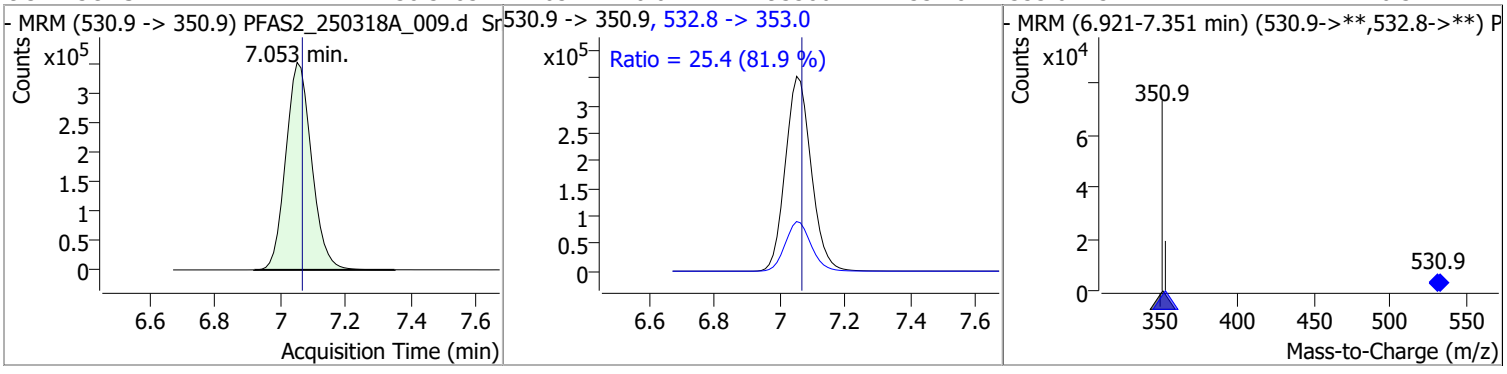
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1896	6.99	-0.01	50975				



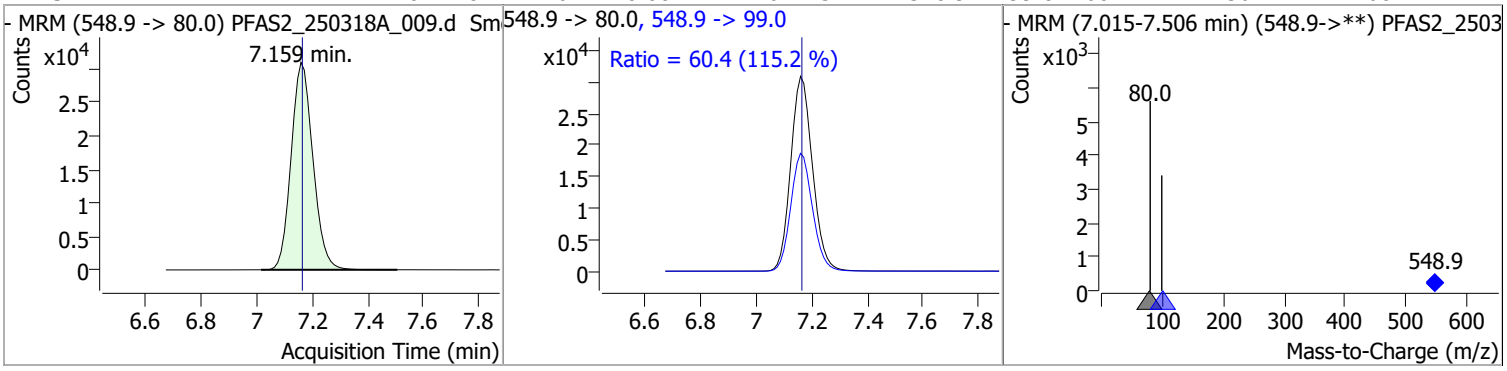
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	20.6749	6.99	-0.01	784516	563.0 -> 269.0	18.3	11.0	20.4



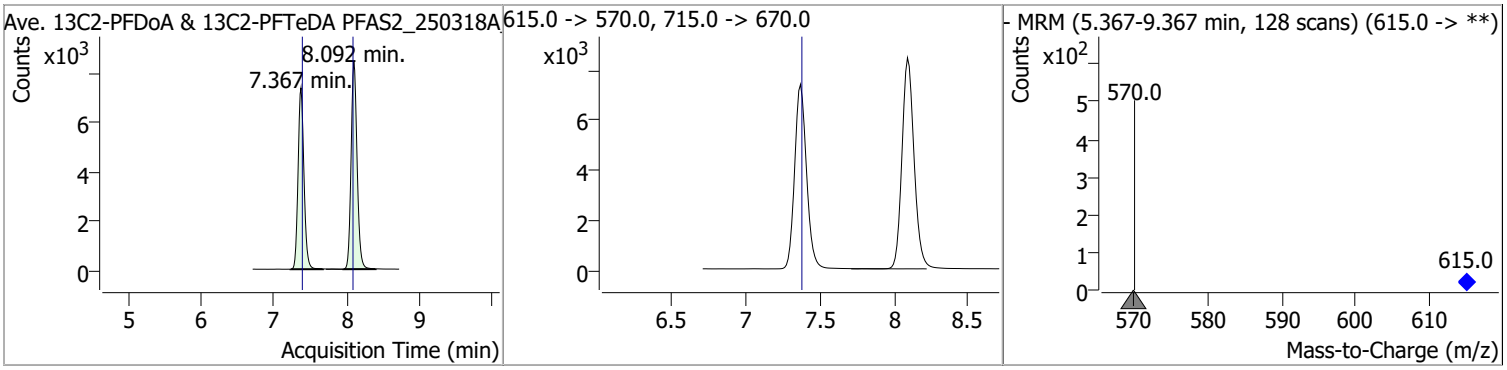
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	38.3783	7.05	-0.01	1935862	532.8 -> 353.0	25.4	21.7	40.3



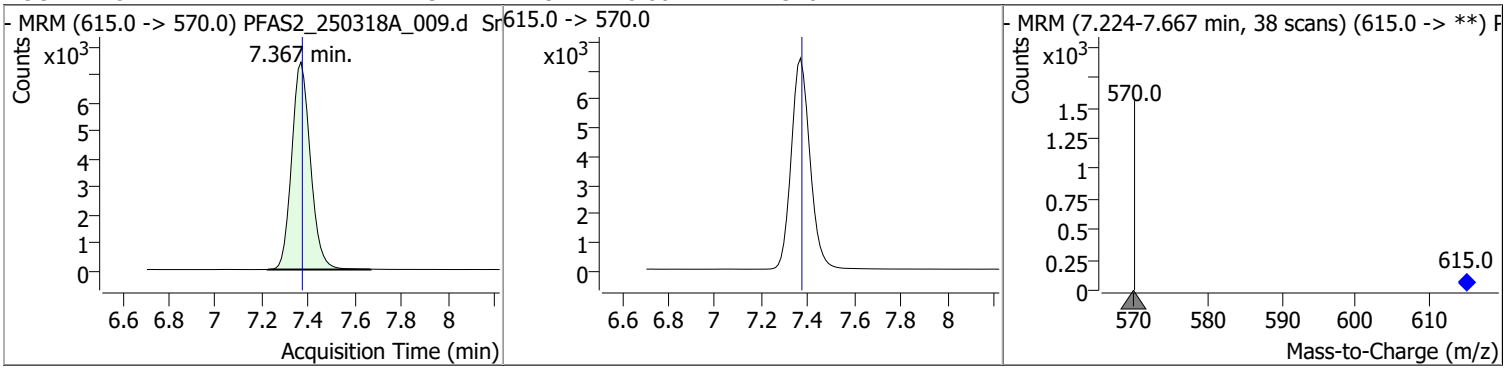
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	20.1428	7.16	0.00	167273	548.9 -> 99.0	60.4	36.7	68.1



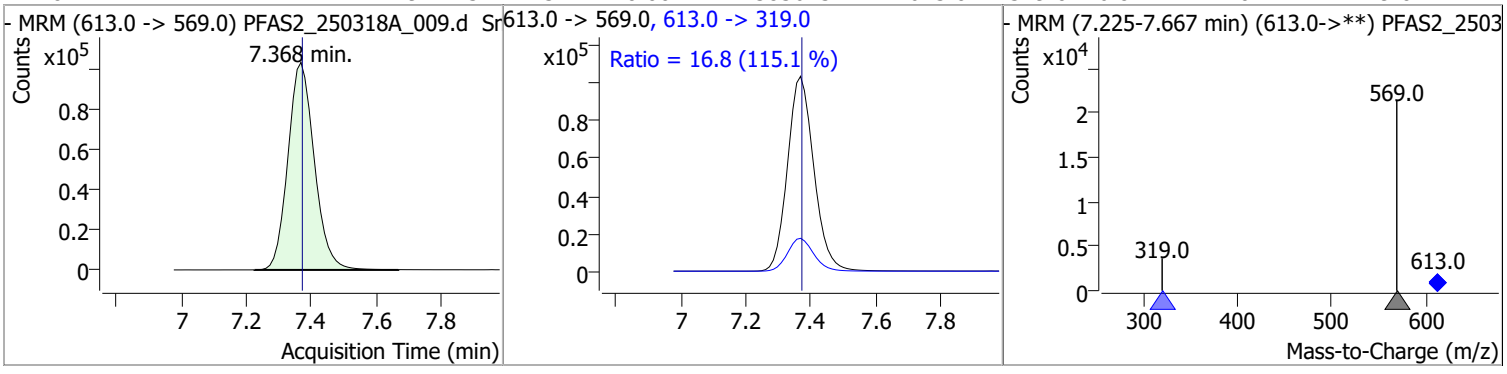
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2676	7.73	0.36	44769				



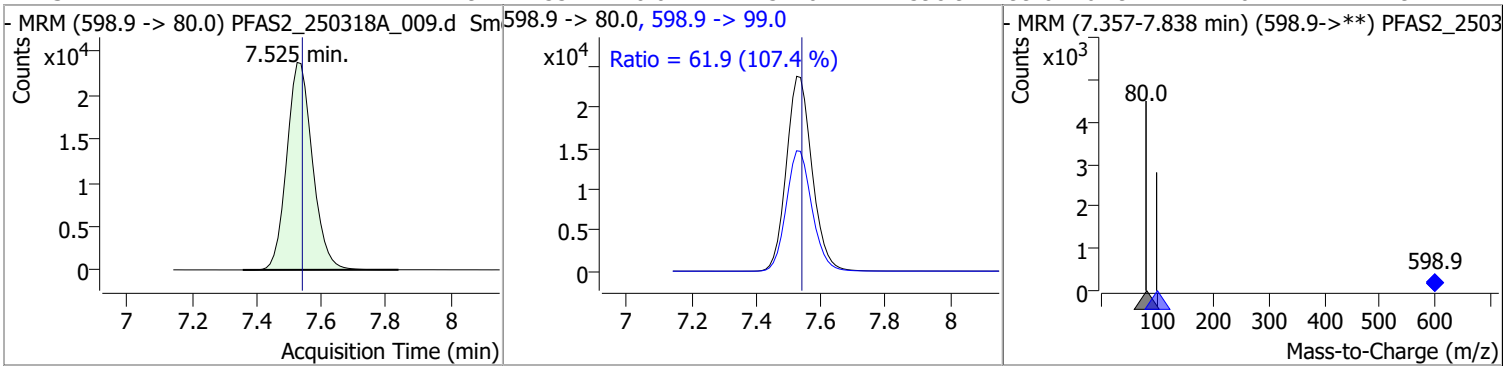
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2941	7.37	0.00	41310				



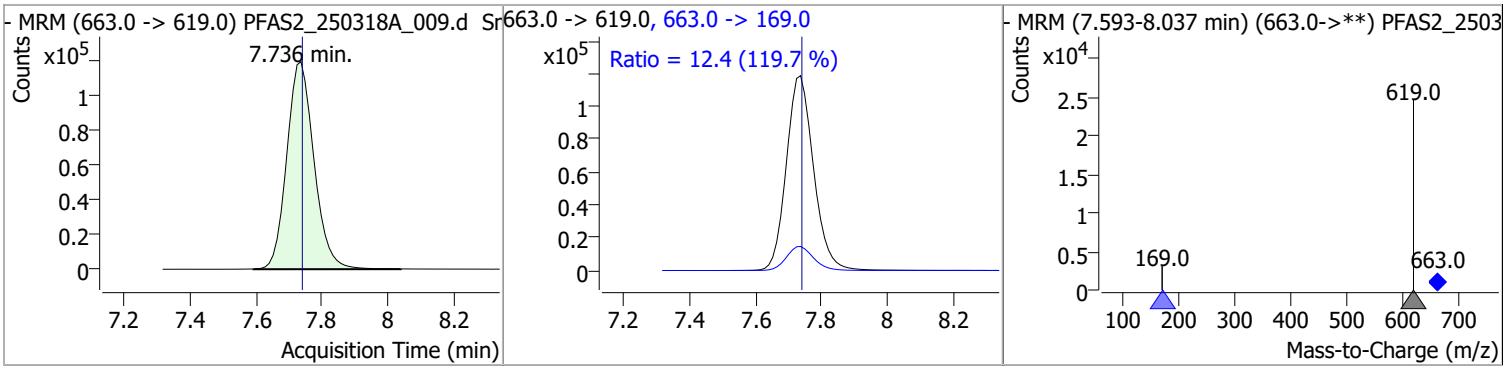
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	19.2723	7.37	0.00	583643	613.0 -> 319.0	16.8	10.2	19.0



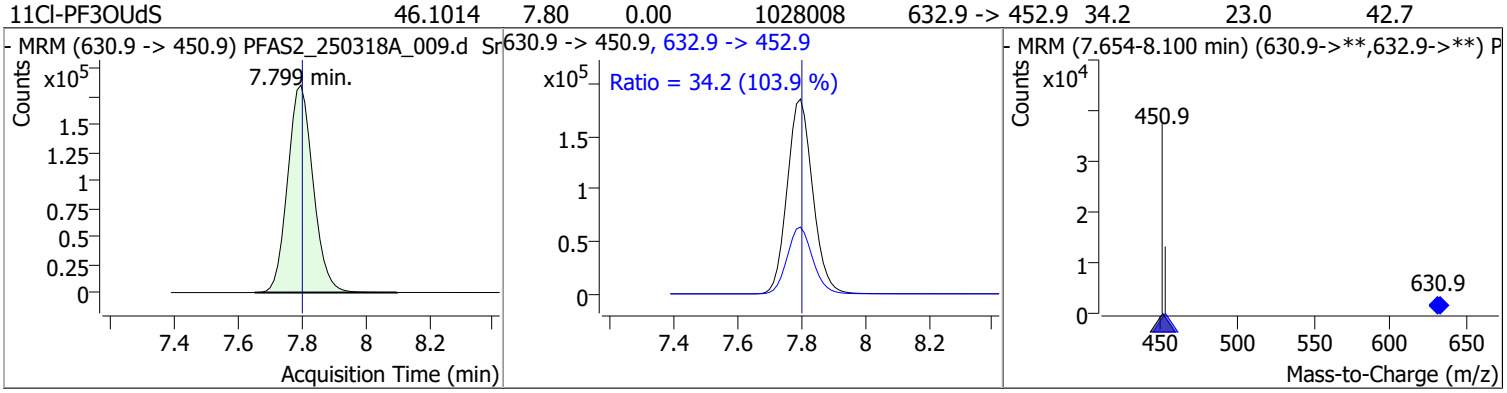
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	21.1449	7.53	-0.01	131201	598.9 -> 99.0	61.9	40.4	74.9



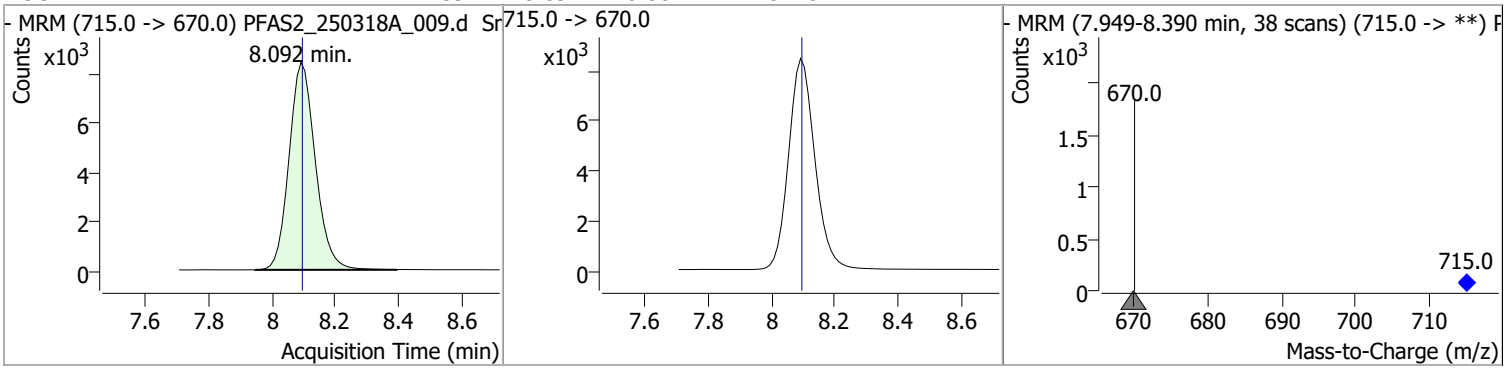
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	20.0584	7.74	0.00	676618	663.0 -> 169.0	12.4	7.2	13.4



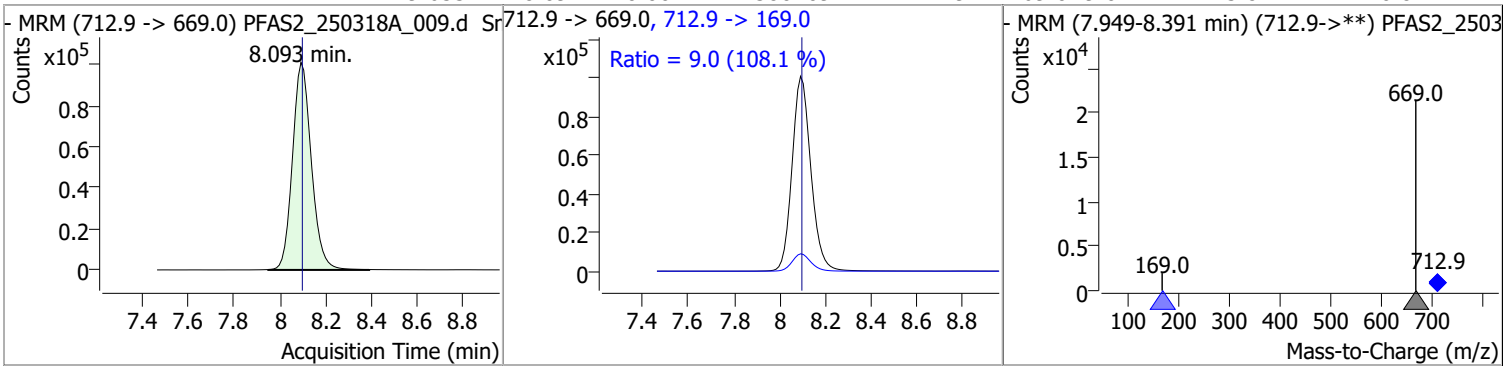
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	46.1014	7.80	0.00	1028008	632.9 -> 452.9	34.2	23.0	42.7



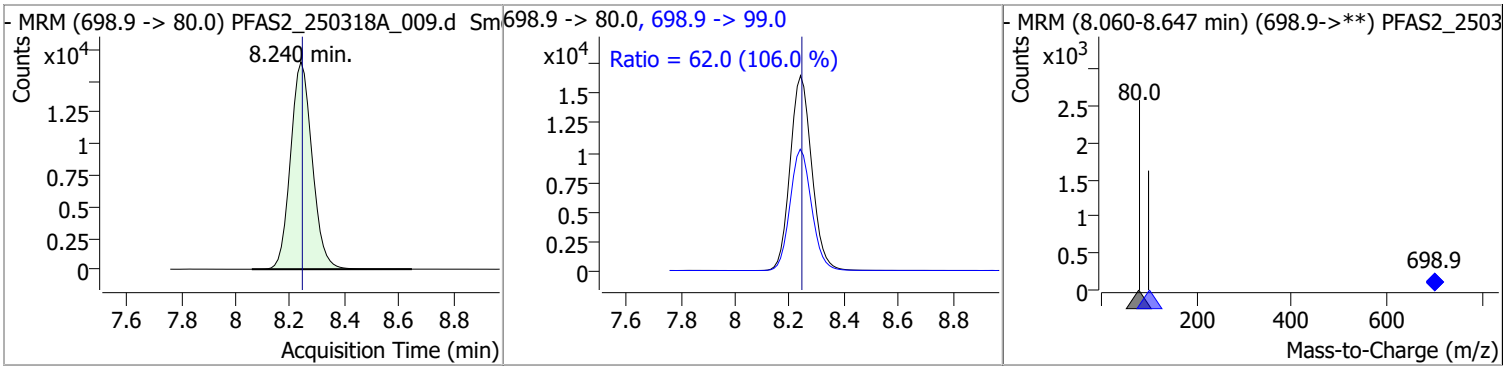
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2459	8.09	0.00	48228				



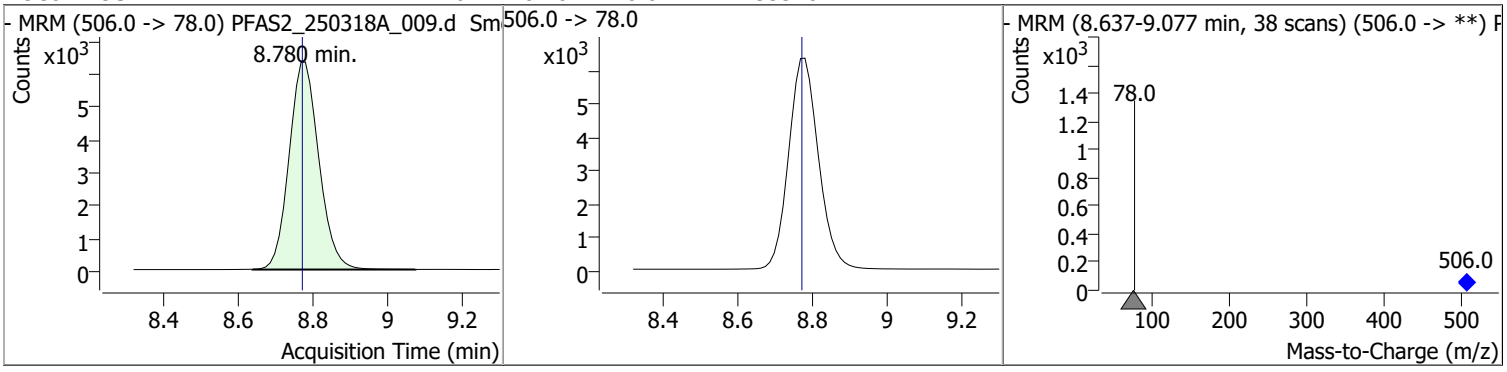
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	19.6534	8.09	0.00	580109	712.9 -> 169.0	9.0	5.8	10.8



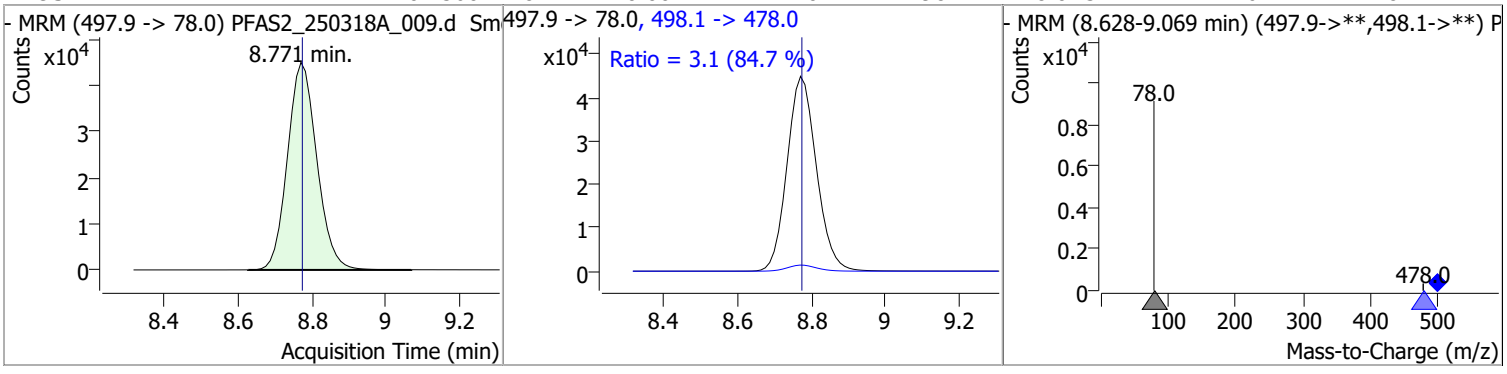
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	20.8572	8.24	0.00	90496	698.9 -> 99.0	62.0	41.0	76.1



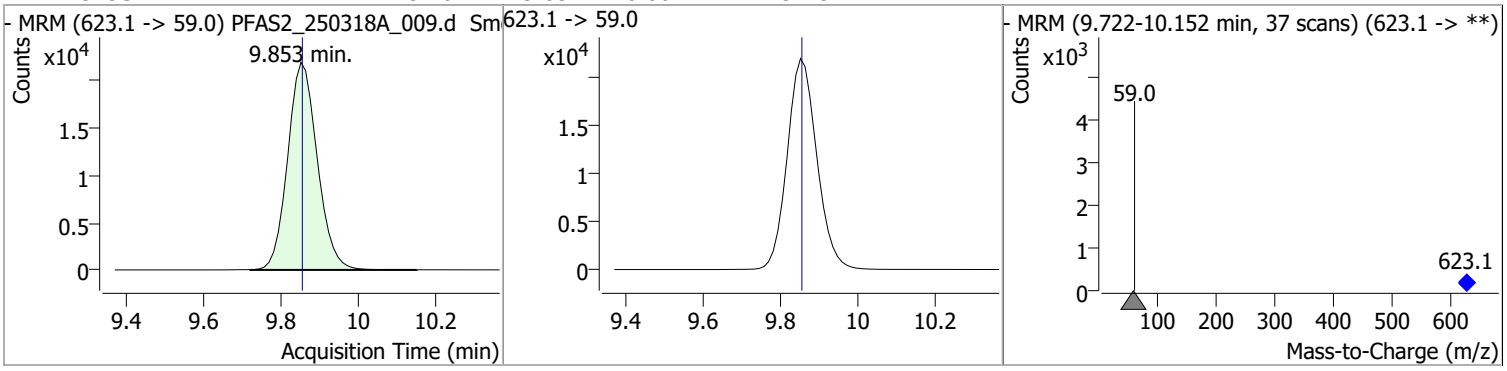
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4276	8.78	0.01	35318				



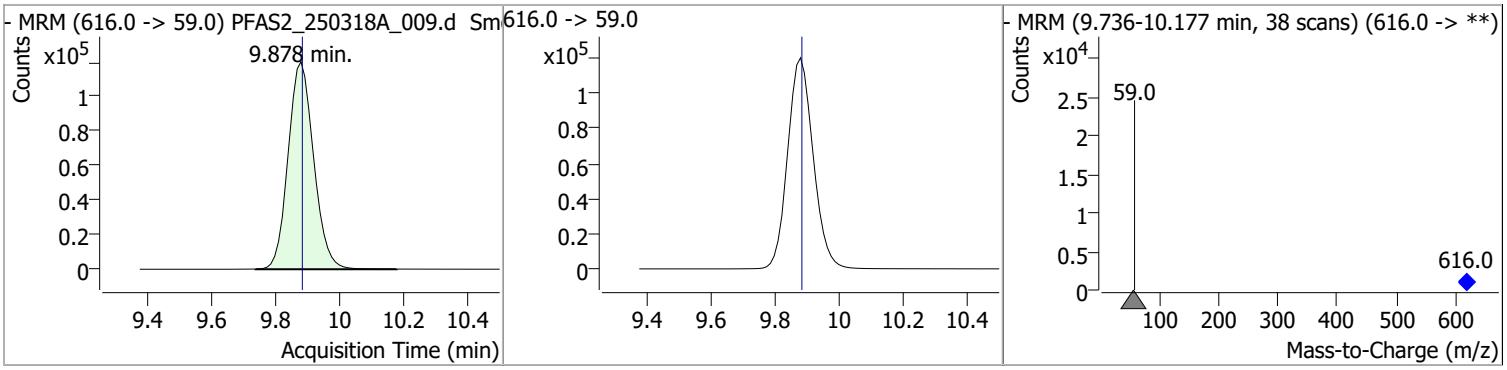
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	20.1560	8.77	0.00	247404	498.1 -> 478.0	3.1	2.6	4.8



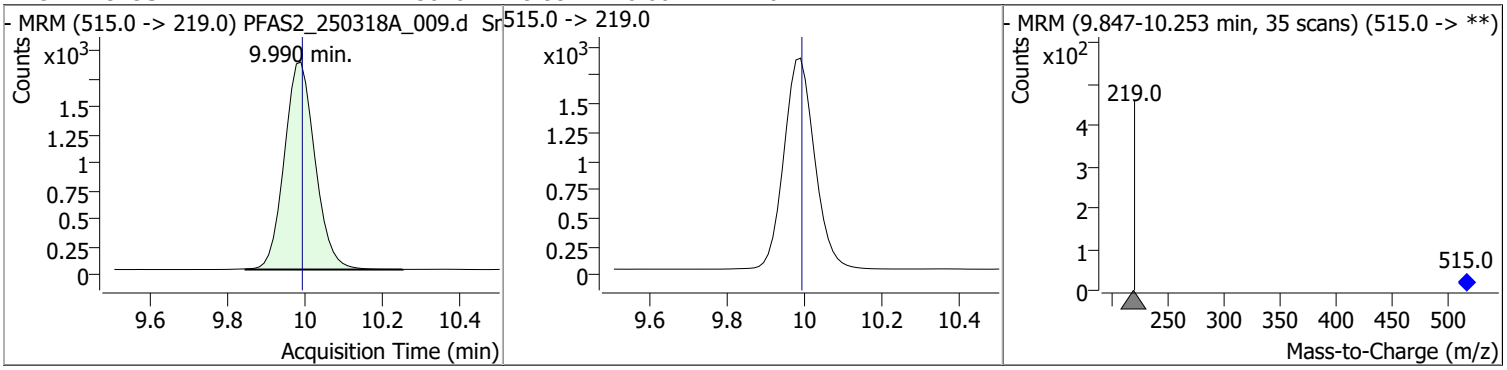
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.4647	9.85	0.00	115719				



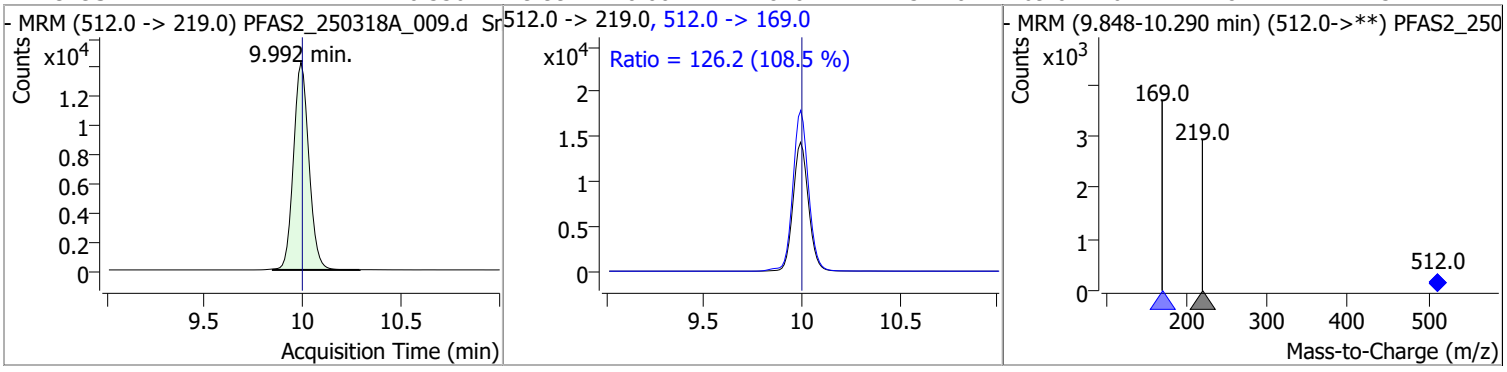
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	193.2619	9.88	0.00	664595				



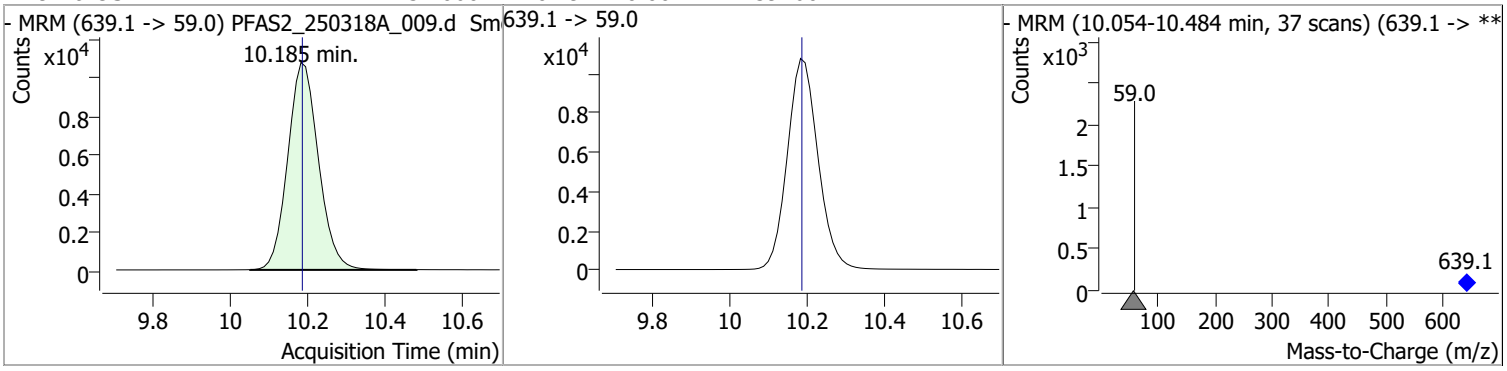
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5010	9.99	0.00	10211				



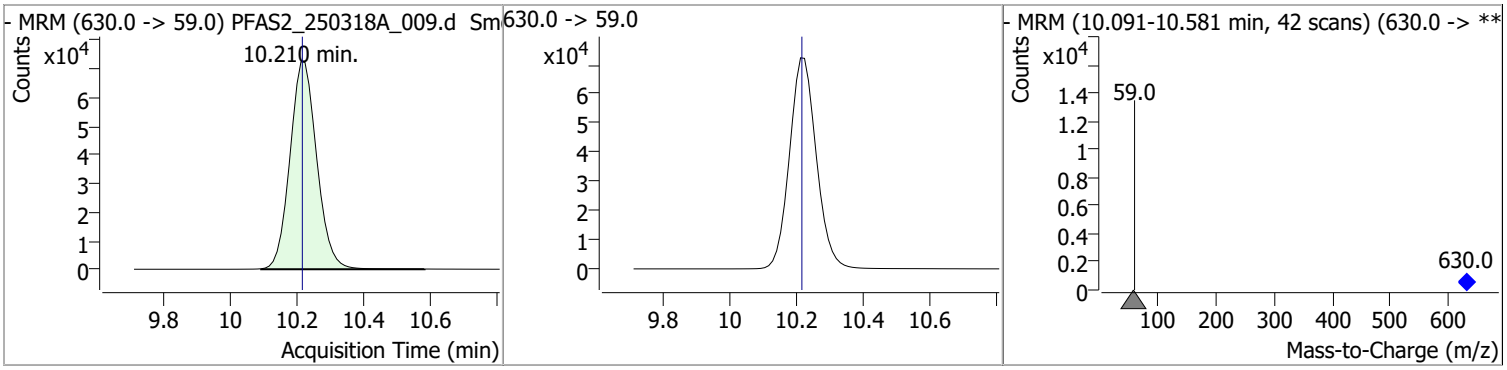
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	20.3367	9.99	0.00	78102	512.0 -> 169.0	126.2	81.4	151.2



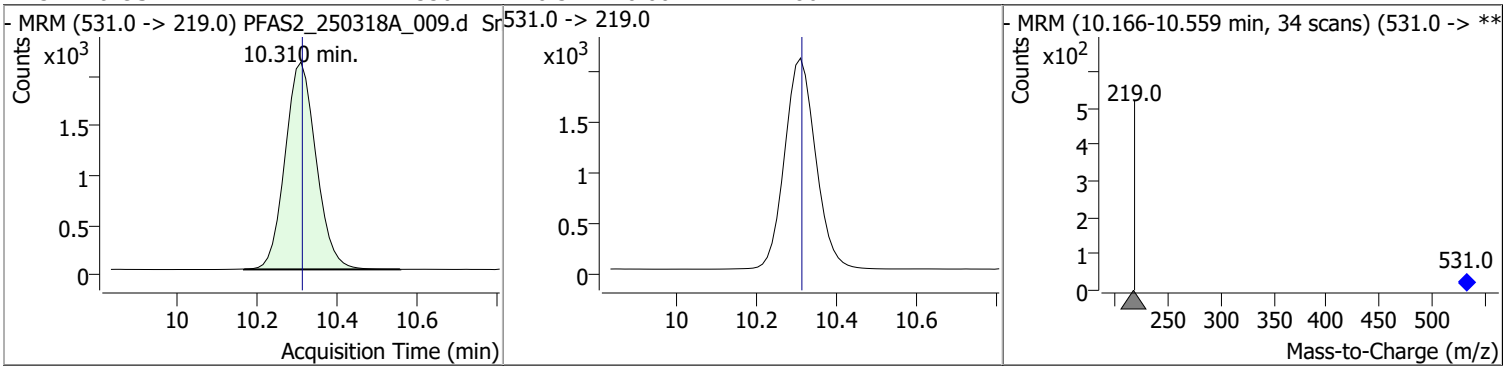
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.7060	10.19	0.00	59160				



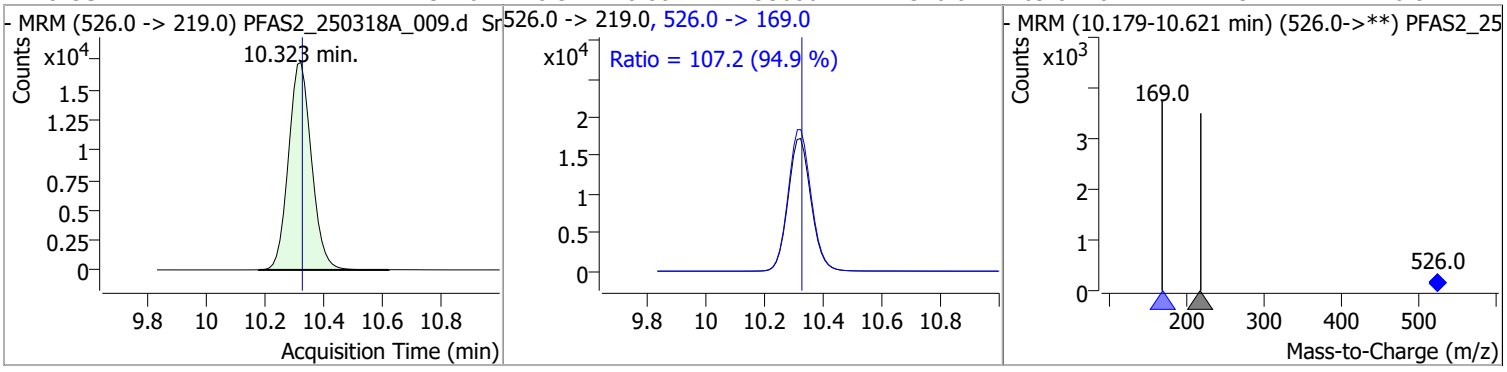
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	195.6817	10.21	0.00	405978				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5564	10.31	0.00	11286				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	21.5216	10.32	0.00	93686	526.0 -> 169.0	107.2	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_010.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:12:56 PM
Sample Name	SEQ-CAL8	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

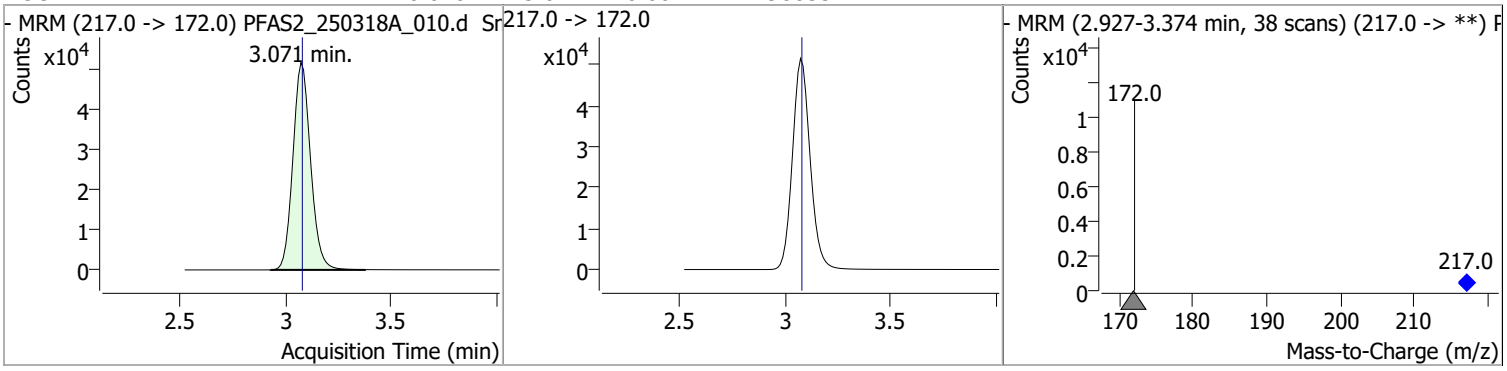
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	130475	5.0000	µg/L		-4.653
13C2-PFHxA	4.890	315.0 -> 270.0	152047	2.5000	µg/L		-0.898
18O2-PFHxS	5.955	403.0 -> 84.0	28428	2.5000	µg/L		-4.056
13C4-PFOA	5.823	417.0 -> 172.0	15678	2.5000	µg/L		1.490
13C5-PFNA	6.226	468.0 -> 423.0	73114	1.2500	µg/L		2.728
13C2-PFDA	6.615	515.0 -> 470.0	66016	1.2500	µg/L		-1.286
13C4-PFOS	6.783	503.0 -> 80.0	24553	2.5000	µg/L		-1.428
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	298835	10.0000	µg/L		-3.859
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.79%			
13C5-PFPeA	4.222	268.0 -> 223.0	195668	5.0000	µg/L		-5.437
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.43%			
13C5-PFPeA	4.222	268.0 -> 223.0	195668	5.0000	µg/L		-5.437
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.43%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	21218	5.0000	µg/L	#	-16.017
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.89%			
13C5-PFHxA	4.889	318.0 -> 273.0	162084	2.5000	µg/L		-4.004
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.84%			
13C5-PFHxA	4.889	318.0 -> 273.0	162084	2.5000	µg/L		-4.004
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.84%			
13C3-PFBS	4.929	302.0 -> 80.0	55660	2.5000	µg/L		-8.339
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.64%			
13C3-PFBS	4.929	302.0 -> 80.0	55660	2.5000	µg/L		-8.339
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 95.64%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	169884	10.0000	µg/L		-2.796
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.08%			
13C4-PFHpA	5.397	367.0 -> 322.0	188053	2.5000	µg/L		-0.441
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.49%			
13C3-PFHxS	5.956	402.0 -> 80.0	34341	2.5000	µg/L		-1.739
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	13513	5.0000	µg/L		-8.500
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.47%			
13C8-PFOA	5.823	421.0 -> 376.0	168841	2.5000	µg/L		-2.257
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.33%			
13C3-PFHxS	5.956	402.0 -> 80.0	34341	2.5000	µg/L		-1.739
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.44%			
13C9-PFNA	6.225	472.0 -> 427.0	69547	1.2500	µg/L		-1.301
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.03%			
13C8-PFOS	6.782	507.0 -> 80.0	24889	2.5000	µg/L		-1.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.90%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11607	5.0000	µg/L		-2.017
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.99%			
13C6-PFDA	6.615	519.0 -> 474.0	66859	1.2500	µg/L		-1.620
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.57%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	56772	5.0000	µg/L		1.708

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.06%		
13C8-PFOS	6.782	507.0 -> 80.0	24889	2.5000	µg/L	-1.562
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.90%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	43358	5.0000	µg/L	2.817
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.26%		
13C7-PFUnDA	7.002	570.0 -> 525.0	53034	1.2500	µg/L	-1.062
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.21%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	44594	1.2500	µg/L	1.085
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.23%		
13C2-PFDoDA	7.367	615.0 -> 570.0	39817	1.2500	µg/L	-0.320
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.99%		
13C2-PFTDA	8.092	715.0 -> 670.0	49370	1.2500	µg/L	2.247
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.26%		
13C8-PFOSA	8.768	506.0 -> 78.0	37690	2.5000	µg/L	1.973
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.24%		
2H7-MeFOSE	9.853	623.1 -> 59.0	113527	25.0000	µg/L	-9.644
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 91.74%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10122	2.5000	µg/L	-2.382
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.80%		
2H9-EtFOSE	10.185	639.1 -> 59.0	60599	25.0000	µg/L	-4.582
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.77%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	10809	2.5000	µg/L	-3.836
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.57%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	3099538	118.2138	µg/L	100
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 98.51%		
PFMPA	3.614	229.0 -> 85.0	1142188	60.4767	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 100.79%		
3-3 FTCA	3.778	241.0 -> 177.0	88405	123.9590	µg/L	96
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 103.30%		
PFPeA	4.223	263.0 -> 219.0	2136692	58.9483	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 98.25%		
PFMBA	4.453	279.0 -> 85.0	1684176	61.2480	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 102.08%		
4-2 FTSA	4.698	327.0 -> 307.0	1383056	107.2508	µg/L	97
Spiked Amount: 112.500	Range: 70 - 130%			Recovery = 95.33%		
NFDHA	4.823	295.0 -> 201.0	82200	68.9555	µg/L	97
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 114.93%		
PFHxA	4.892	313.0 -> 269.0	1752861	30.2224	µg/L	100
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.74%		
PFBS	4.918	298.9 -> 80.0	629346	27.2501	µg/L	92
Spiked Amount: 26.610	Range: 70 - 130%			Recovery = 102.41%		
HFPO-DA	5.087	285.0 -> 169.0	958693	63.6062	µg/L	90
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 106.01%		
PFEESA	5.201	314.9 -> 135.0	4103025	55.1030	µg/L	98
Spiked Amount: 53.400	Range: 70 - 130%			Recovery = 103.19%		
PFHpA	5.398	363.0 -> 319.0	2087129	28.6898	µg/L	98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 95.63%		
5-3 FTCA	5.447	341.0 -> 237.0	2956666	616.0352	µg/L	92
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 102.67%		
PFPeS	5.494	348.9 -> 80.0	557598	30.0720	µg/L	90
Spiked Amount: 28.230	Range: 70 - 130%			Recovery = 106.52%		
DONA	5.551	377.0 -> 251.0	5604856	55.8264	µg/L	100
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 98.46%		

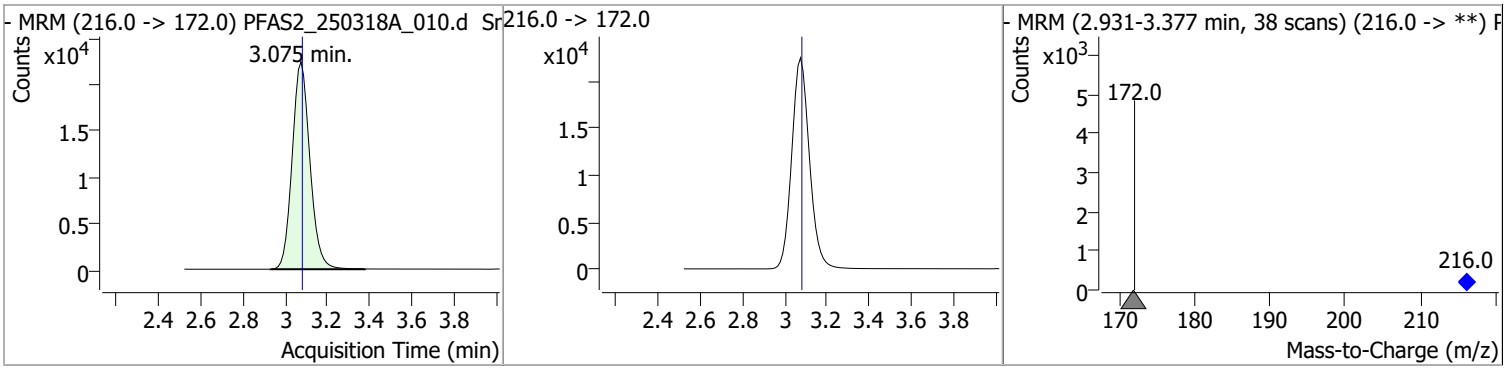
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	989700	111.5484	µg/L		91
Spiked Amount: 114.000	Range: 70 - 130%			Recovery = 97.85%			
PFOA	5.824	413.0 -> 369.0	1970950	29.4617	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 98.21%			
PFHxS	5.957	398.9 -> 80.0	377699	28.2768	µg/L		92
Spiked Amount: 27.420	Range: 70 - 130%			Recovery = 103.12%			
PFNA	6.226	463.0 -> 419.0	1633566	30.0904	µg/L		99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.30%			
PFHpS	6.382	448.9 -> 80.0	293412	28.3431	µg/L		93
Spiked Amount: 28.590	Range: 70 - 130%			Recovery = 99.14%			
8-2 FTSA	6.436	527.0 -> 507.0	543348	113.5874	µg/L	#	70
Spiked Amount: 115.200	Range: 70 - 130%			Recovery = 98.60%			
7-3 FTCA	6.597	441.0 -> 317.0	2312922	619.5590	µg/L		97
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 103.26%			
PFDA	6.615	513.0 -> 469.0	1489429	29.4754	µg/L		92
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 98.25%			
N-MeFOSAA	6.742	570.0 -> 419.0	305136	30.4177	µg/L		99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.39%			
PFOS	6.784	498.9 -> 80.0	271145	27.0631	µg/L		97
Spiked Amount: 27.840	Range: 70 - 130%			Recovery = 97.21%			
N-EtFOSAA	6.953	584.0 -> 419.0	247895	30.2232	µg/L		91
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.74%			
PFUnDA	7.003	563.0 -> 519.0	1186814	30.0564	µg/L		94
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 100.19%			
9Cl-PF3ONS	7.053	530.9 -> 350.9	2718730	54.7338	µg/L		91
Spiked Amount: 56.100	Range: 70 - 130%			Recovery = 97.56%			
PFNS	7.159	548.9 -> 80.0	245916	28.9649	µg/L		88
Spiked Amount: 28.860	Range: 70 - 130%			Recovery = 100.36%			
PFDoDA	7.368	613.0 -> 569.0	919187	31.4902	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 104.97%			
PFDS	7.537	598.9 -> 80.0	198222	31.2472	µg/L		94
Spiked Amount: 28.950	Range: 70 - 130%			Recovery = 107.94%			
PFTrDA	7.736	663.0 -> 619.0	1005102	29.9135	µg/L		92
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 99.71%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	1411690	62.7357	µg/L		96
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 110.65%			
PFTDA	8.093	712.9 -> 669.0	918337	30.3893	µg/L		97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.30%			
PFDoS	8.240	698.9 -> 80.0	135892	30.6346	µg/L		95
Spiked Amount: 29.100	Range: 70 - 130%			Recovery = 105.27%			
PFOSA	8.771	497.9 -> 78.0	391925	29.9201	µg/L		98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 99.73%			
MeFOSE	9.878	616.0 -> 59.0	1013868	302.8507	µg/L		100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 100.95%			
N-MeFOSA	9.992	512.0 -> 219.0	111729	29.3472	µg/L		87
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 97.82%			
EtFOSE	10.210	630.0 -> 59.0	642427	306.5095	µg/L		100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 102.17%			
N-EtFOSA	10.323	526.0 -> 219.0	132073	31.6783	µg/L		98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 105.59%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

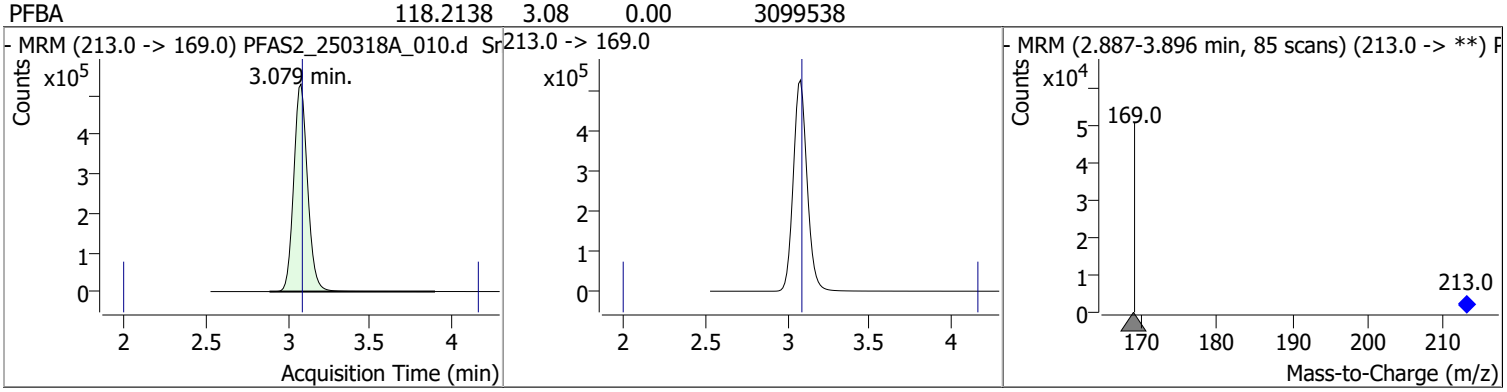
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0787	3.07	0.00	298835				



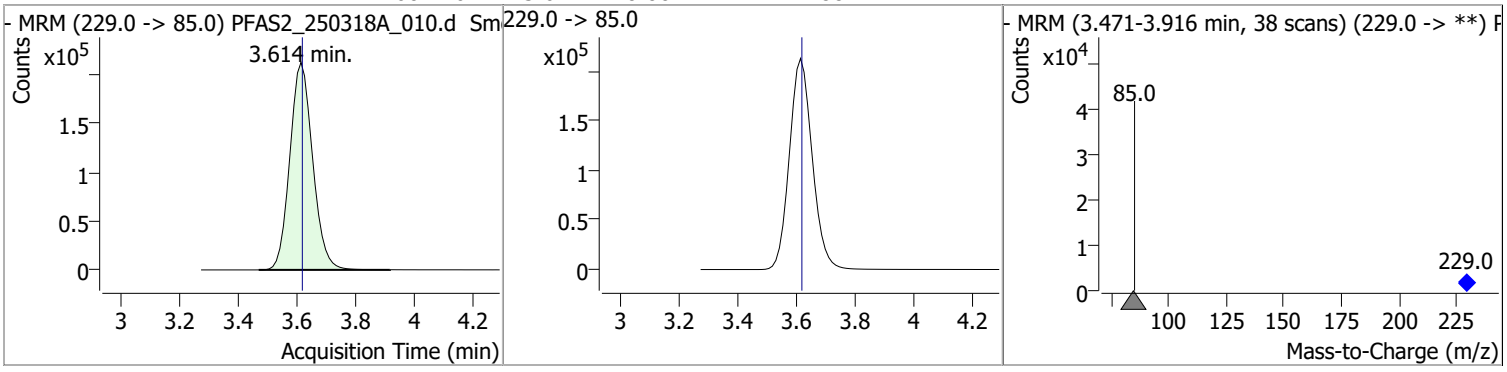
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	130475				



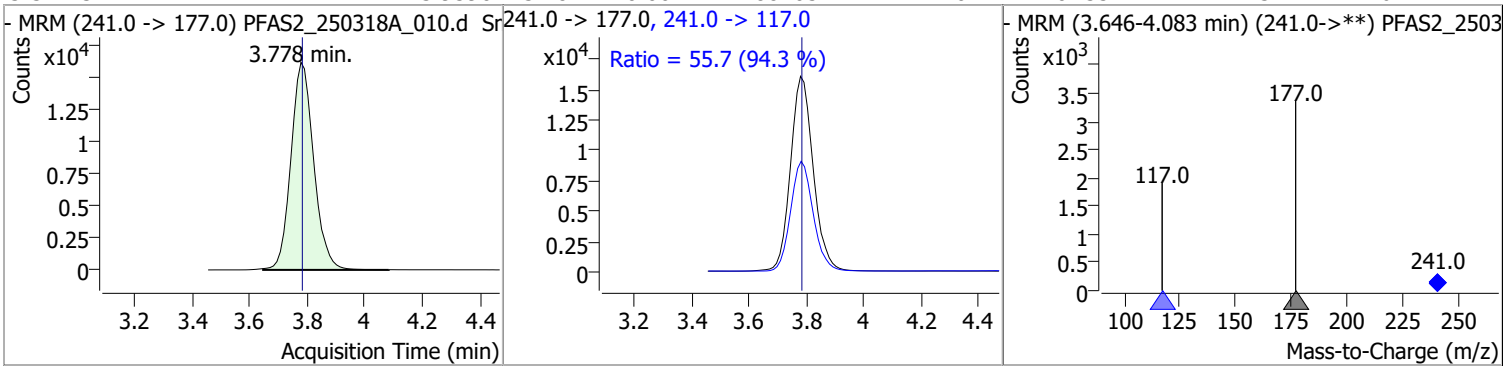
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	118.2138	3.08	0.00	3099538				



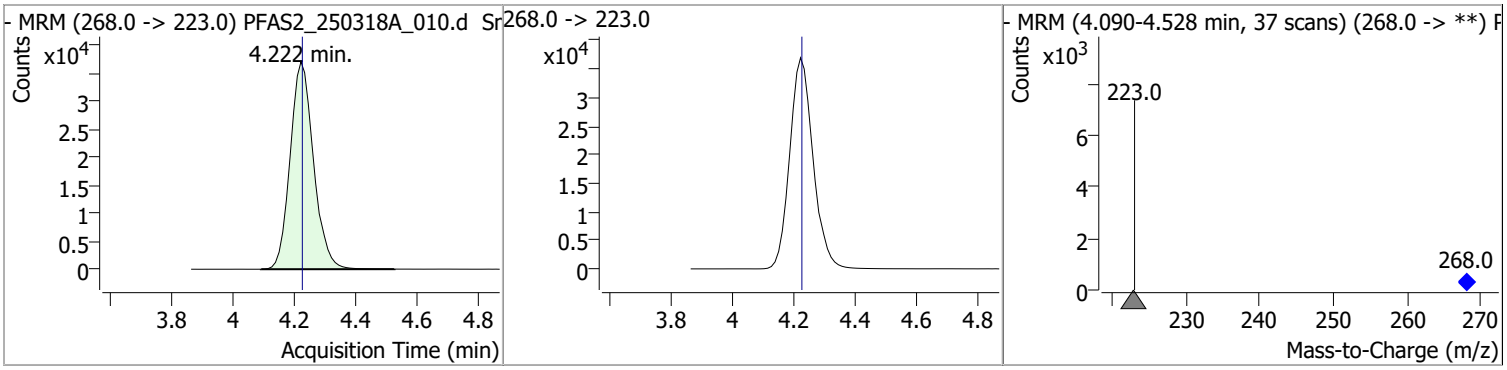
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	60.4767	3.61	0.00	1142188				



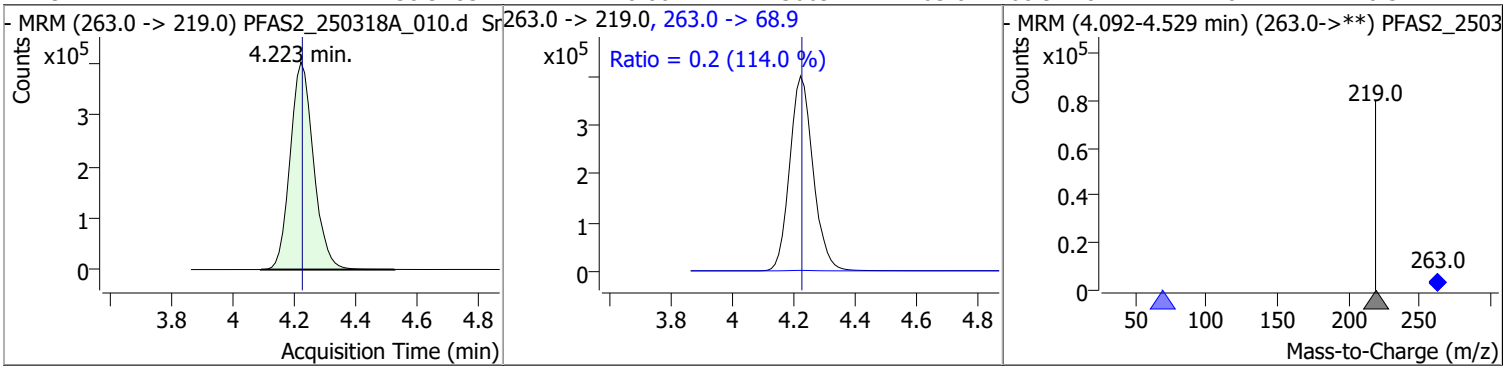
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	123.9590	3.78	0.00	88405	241.0 -> 117.0	55.7	41.3	76.7



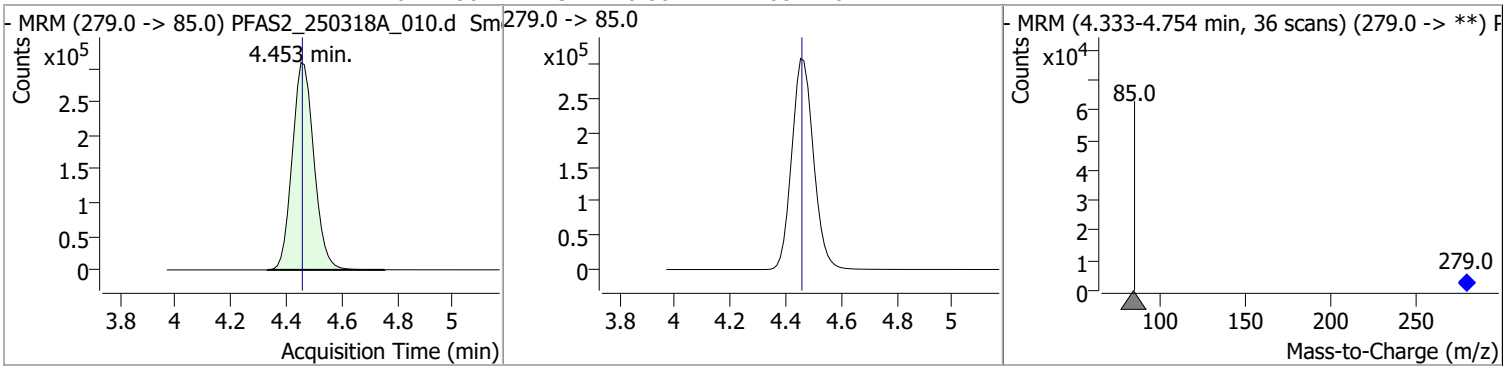
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7713	4.22	0.00	195668				



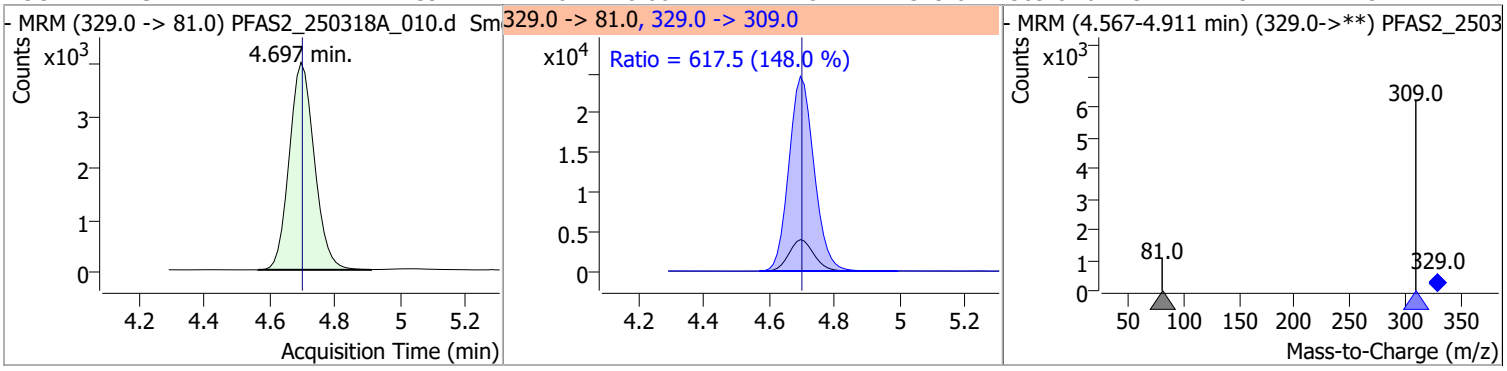
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	58.9483	4.22	0.00	2136692	263.0 -> 68.9	0.2	0.1	0.3



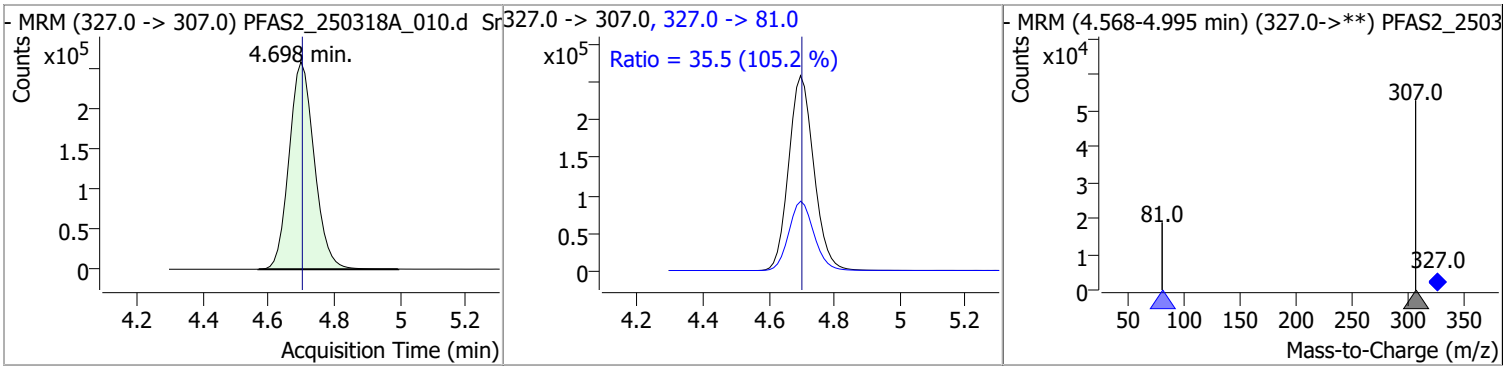
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	61.2480	4.45	0.00	1684176				



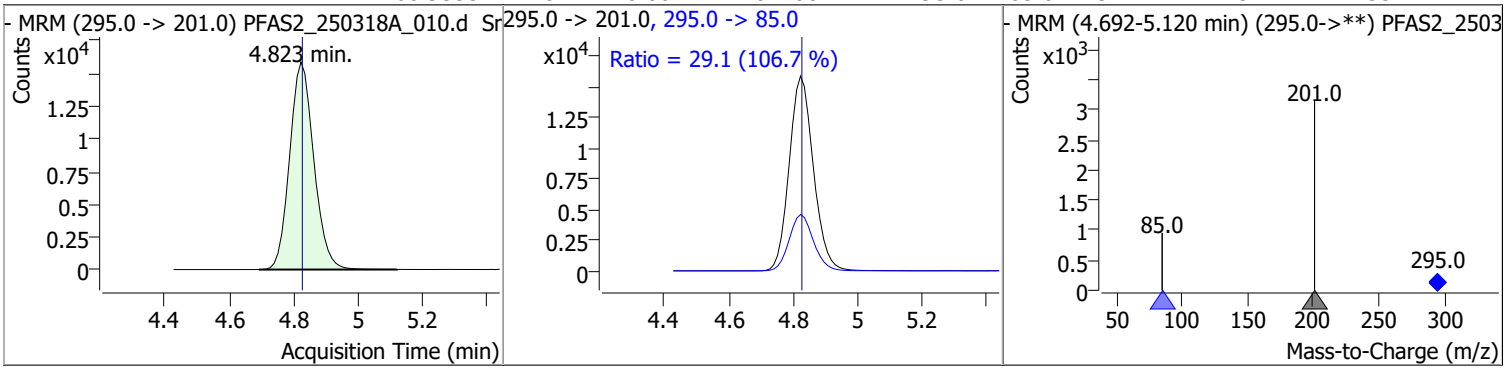
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.3944	4.70	0.00	21218	329.0 -> 309.0	617.5	292.1	542.4



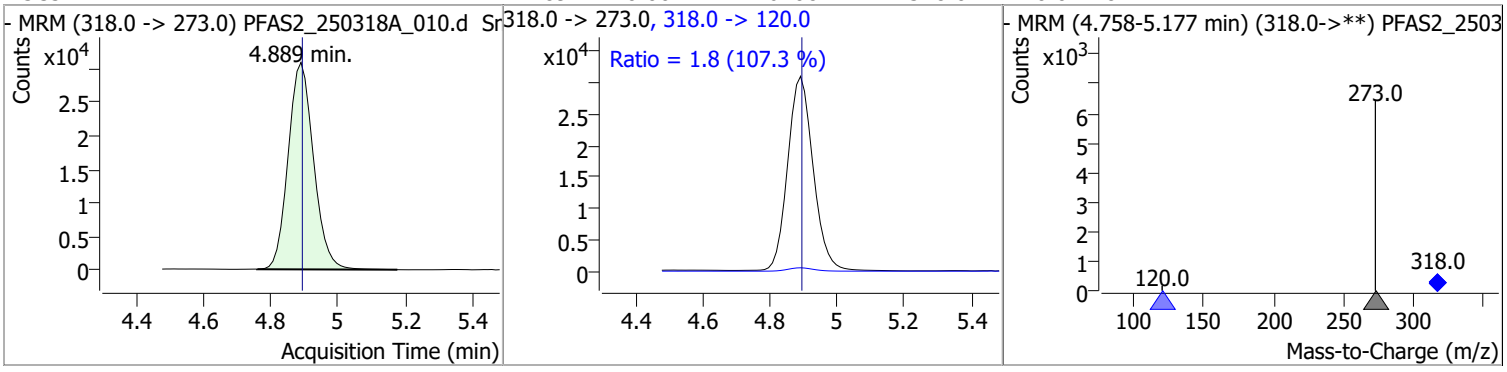
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	107.2508	4.70	0.00	1383056	327.0 -> 81.0	35.5	23.6	43.9



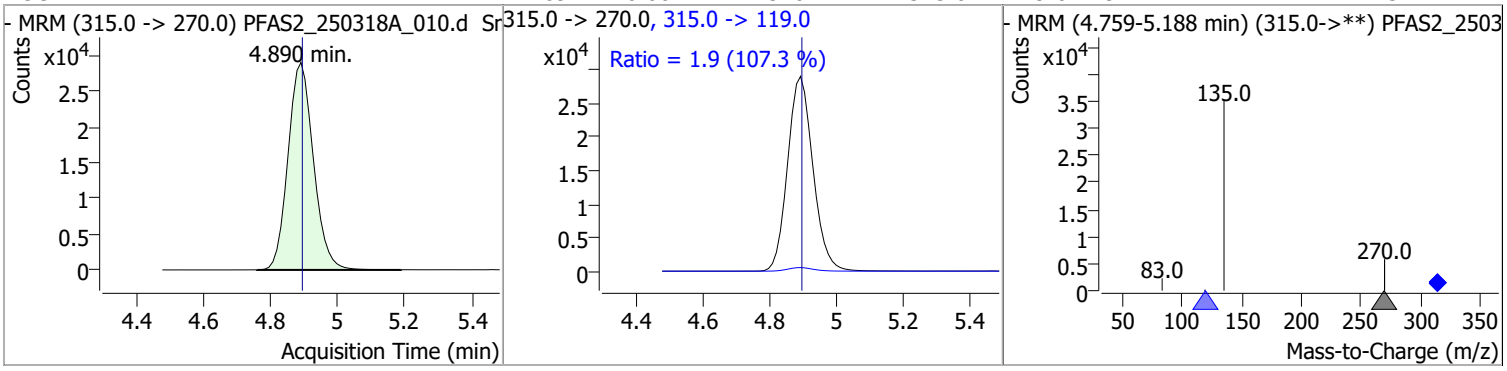
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	68.9555	4.82	0.00	82200	295.0 -> 85.0	29.1	19.1	35.4



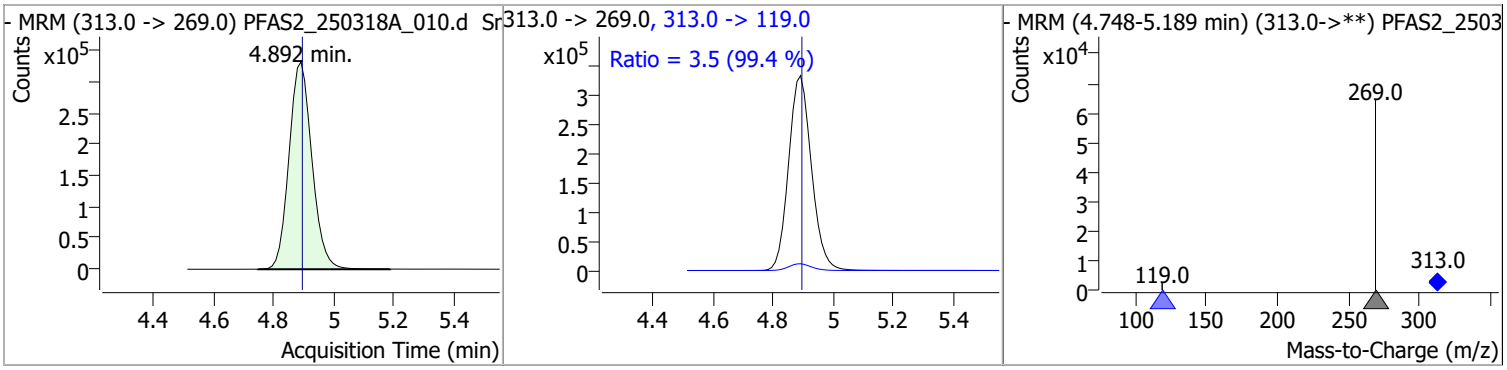
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4211	4.89	0.00	162084	318.0 -> 120.0	1.8	1.1	2.1



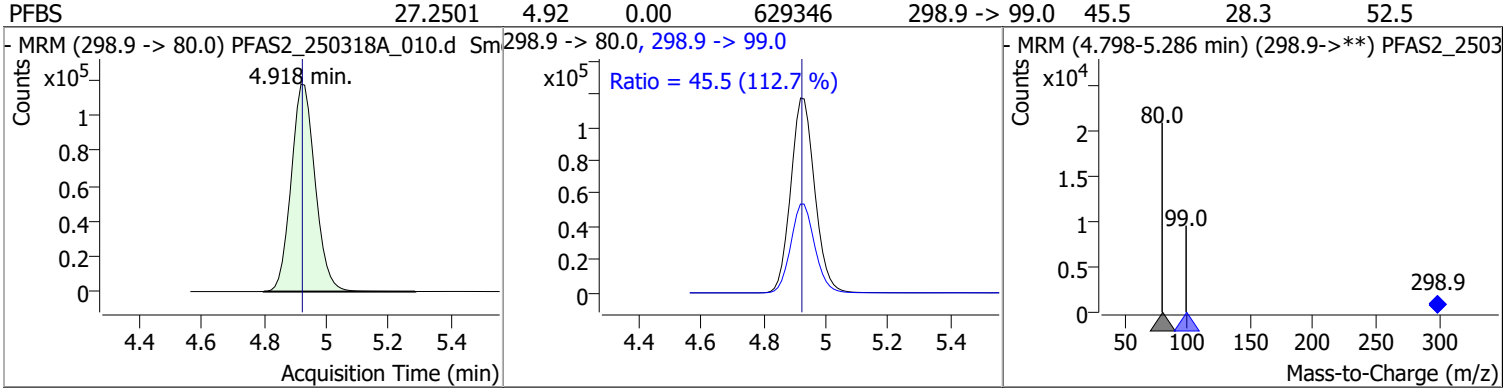
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	152047	315.0 -> 119.0	1.9	1.2	2.3



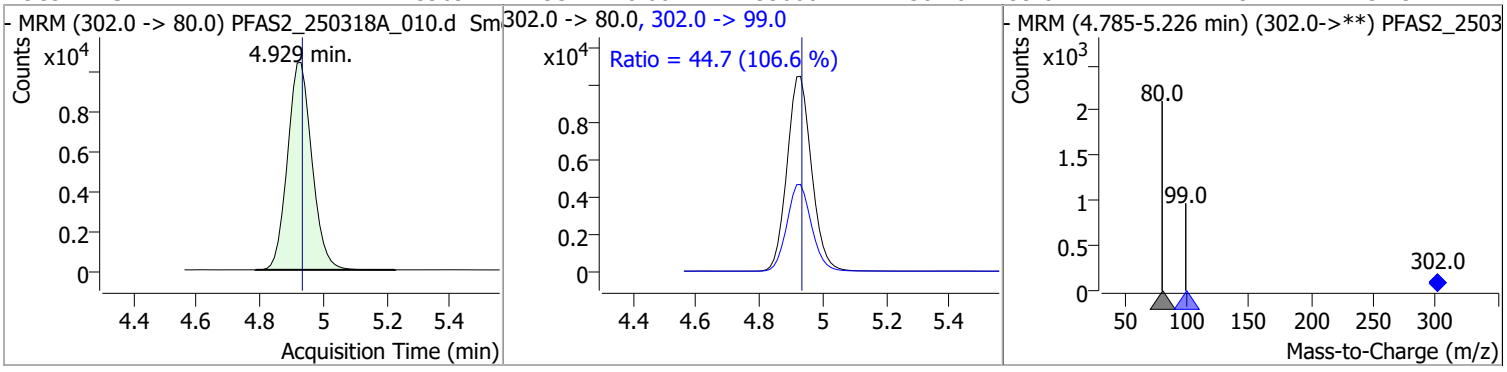
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	30.2224	4.89	0.00	1752861	313.0 -> 119.0	3.5	2.4	4.5



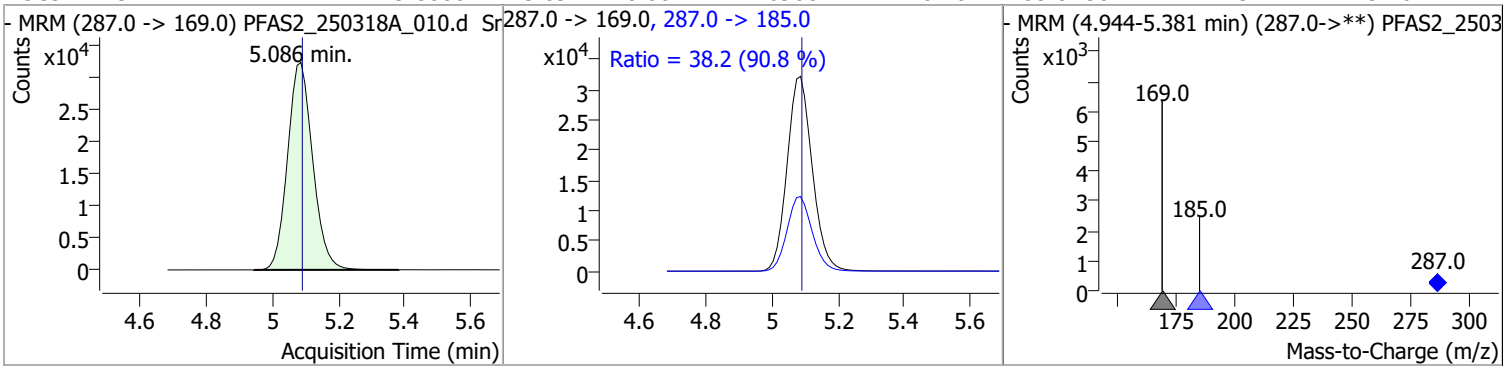
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	27.2501	4.92	0.00	629346	298.9 -> 99.0	45.5	28.3	52.5



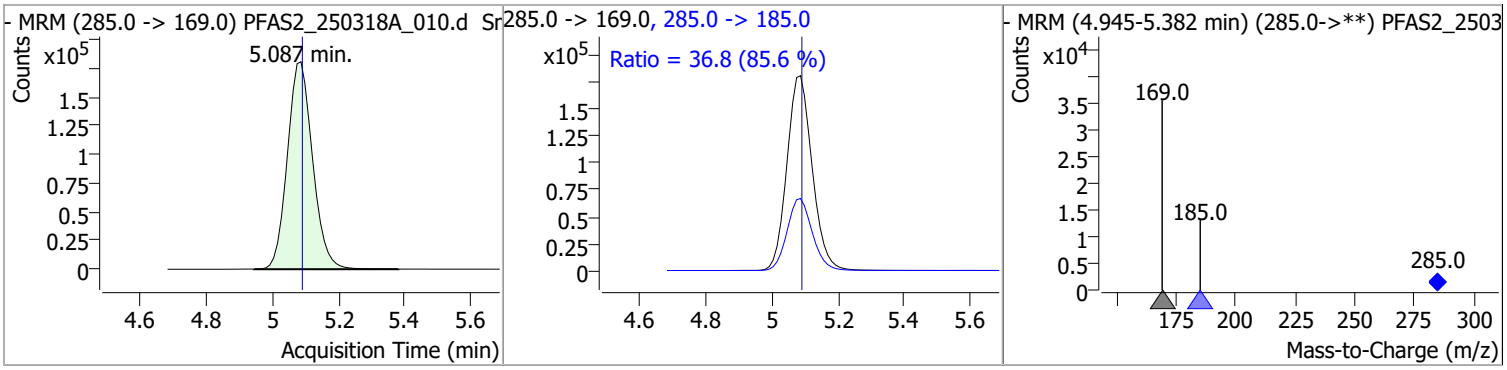
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3909	4.93	0.00	55660	302.0 -> 99.0	44.7	29.4	54.5



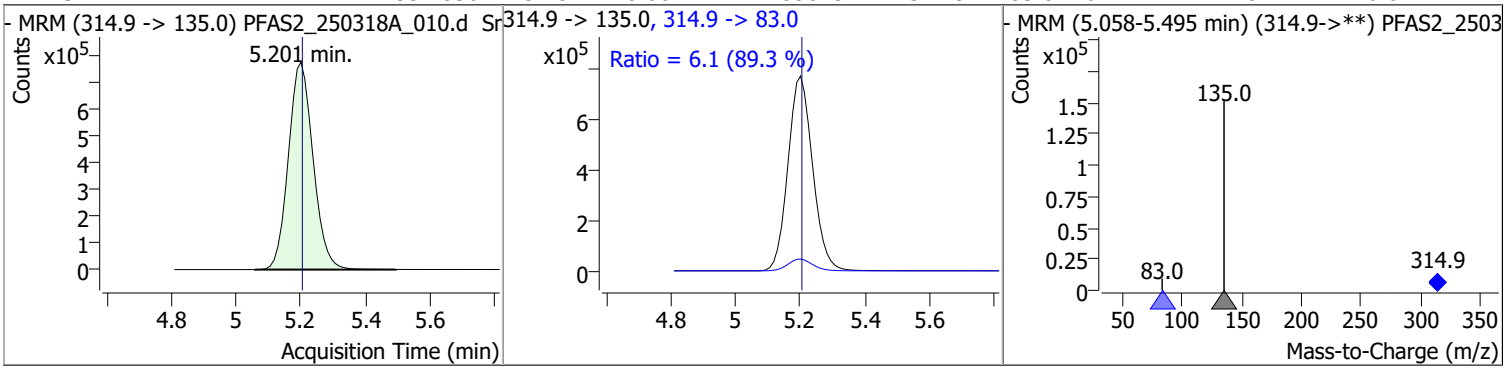
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8080	5.09	0.00	169884	287.0 -> 185.0	38.2	29.4	54.6



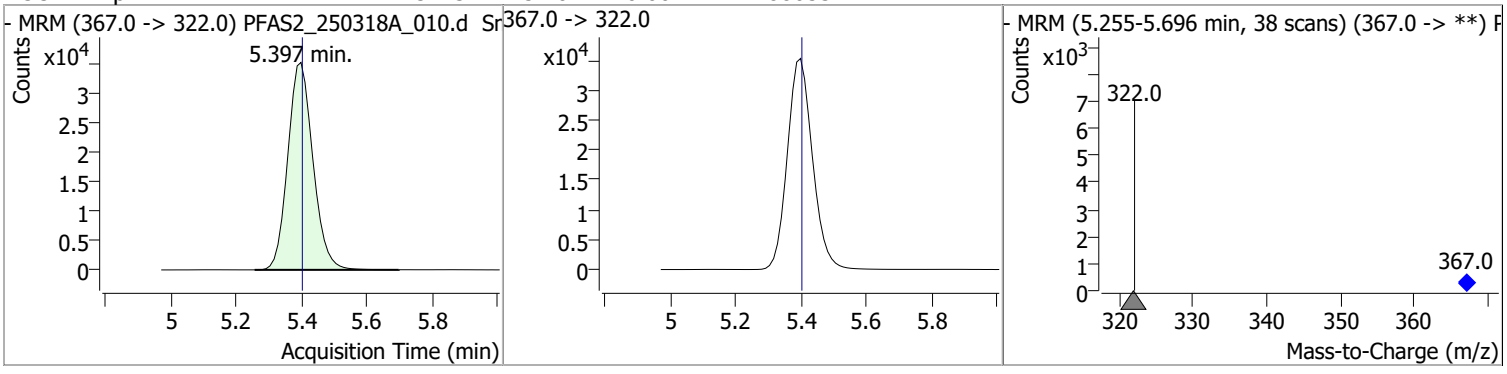
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	63.6062	5.09	0.00	958693	285.0 -> 185.0	36.8	30.1	56.0



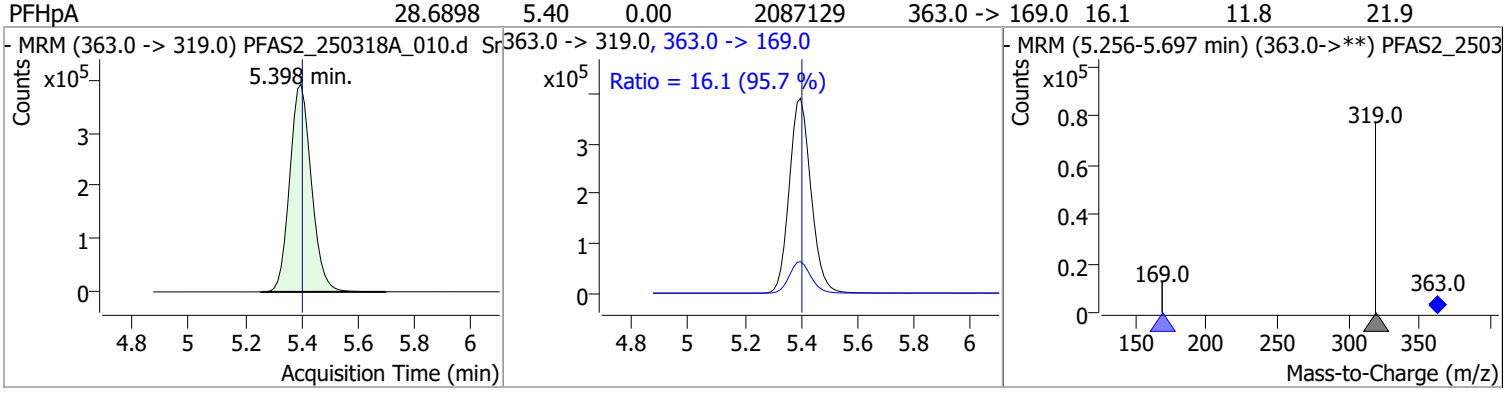
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	55.1030	5.20	0.00	4103025	314.9 -> 83.0	6.1	4.8	8.8



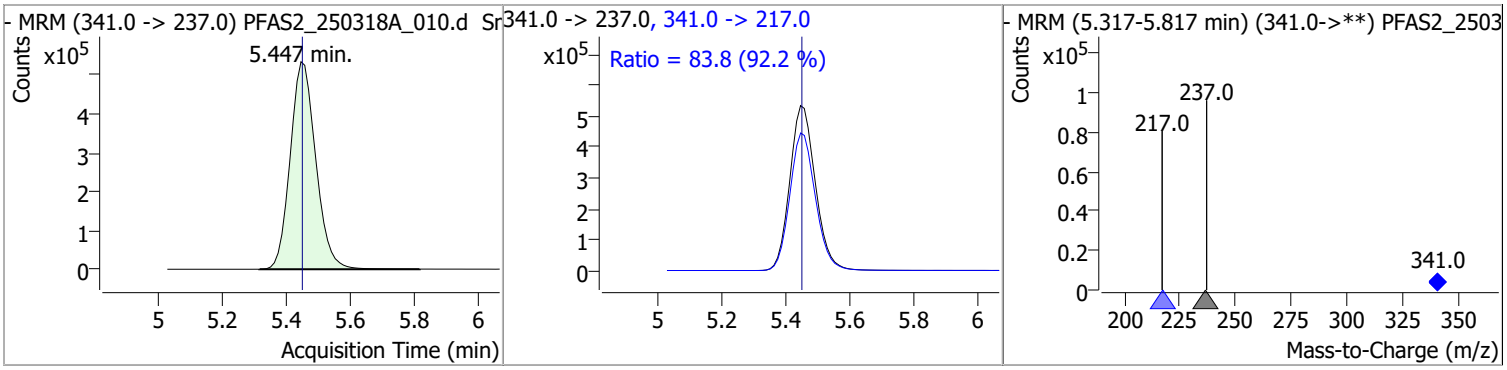
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5123	5.40	0.00	188053				



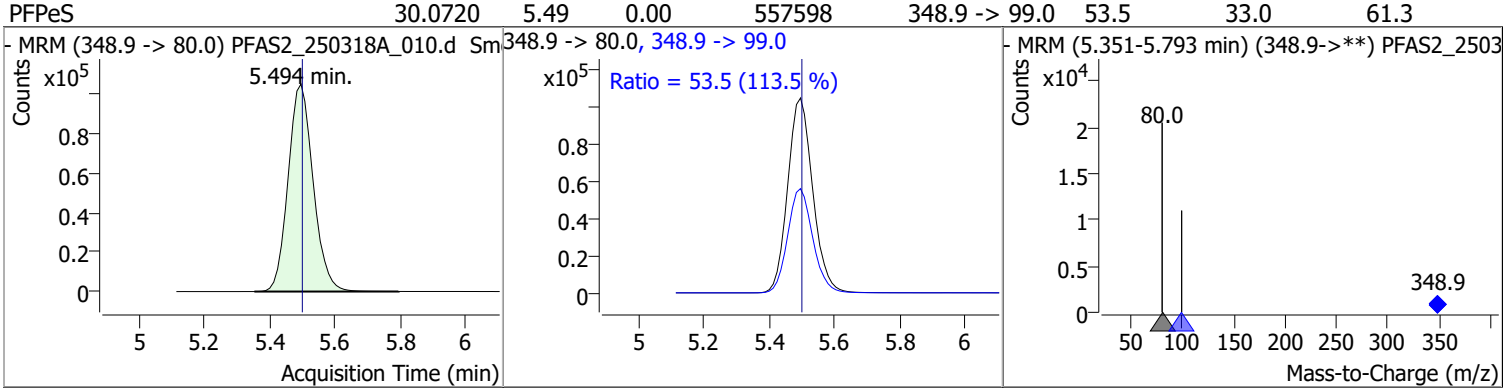
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	28.6898	5.40	0.00	2087129	363.0 -> 169.0	16.1	11.8	21.9



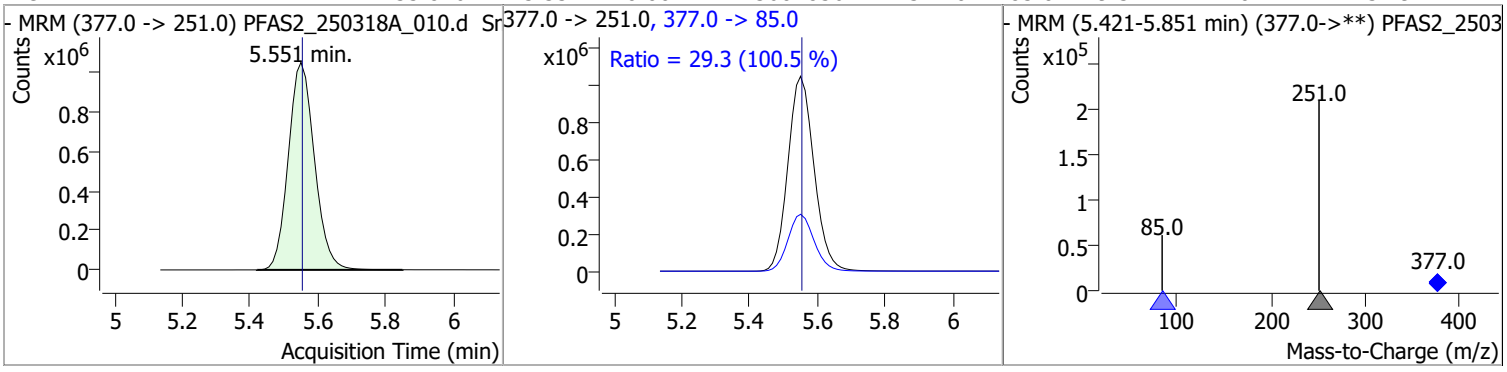
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	616.0352	5.45	0.00	2956666	341.0 -> 217.0	83.8	63.6	118.1



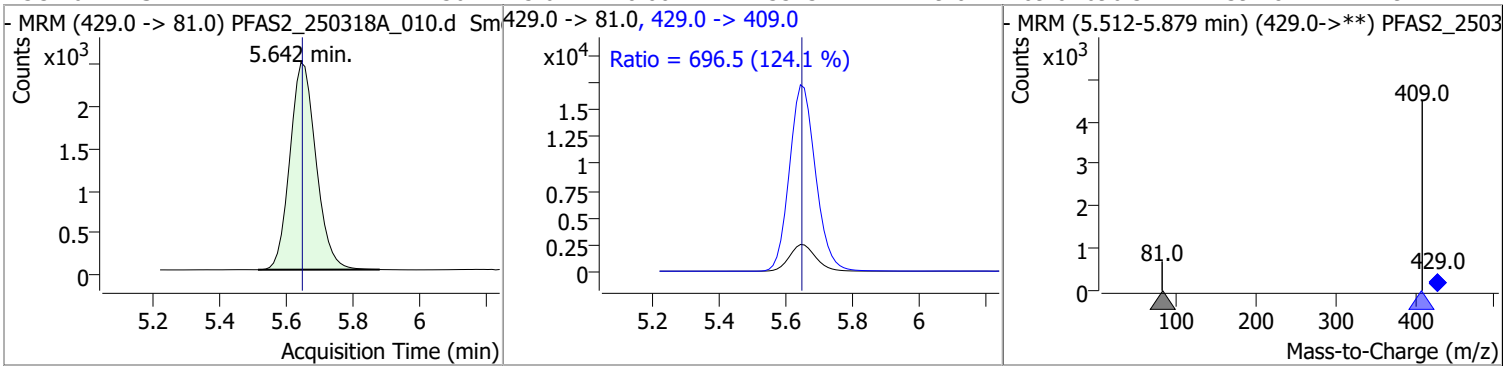
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	30.0720	5.49	0.00	557598	348.9 -> 99.0	53.5	33.0	61.3



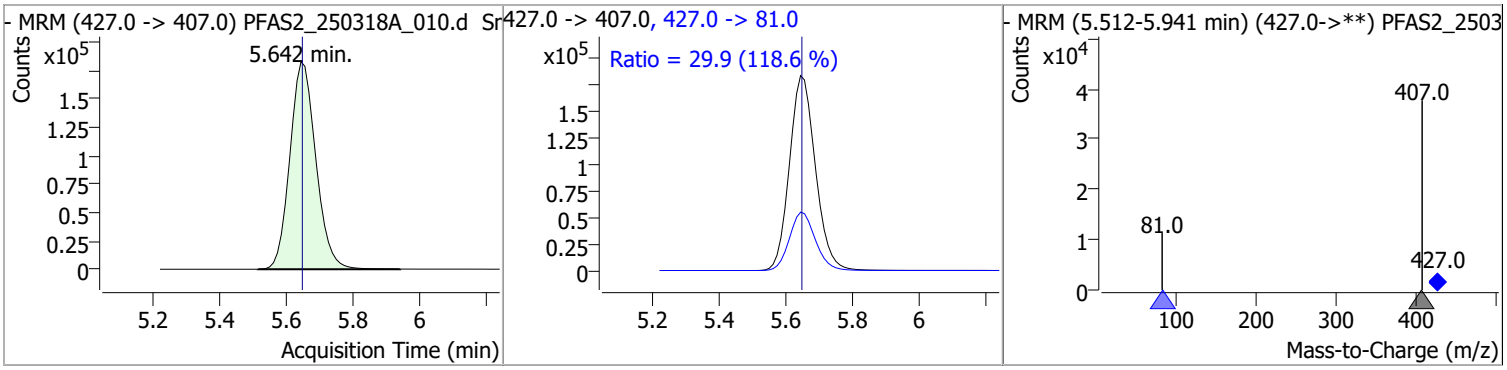
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	55.8264	5.55	0.00	5604856	377.0 -> 85.0	29.3	20.4	37.9



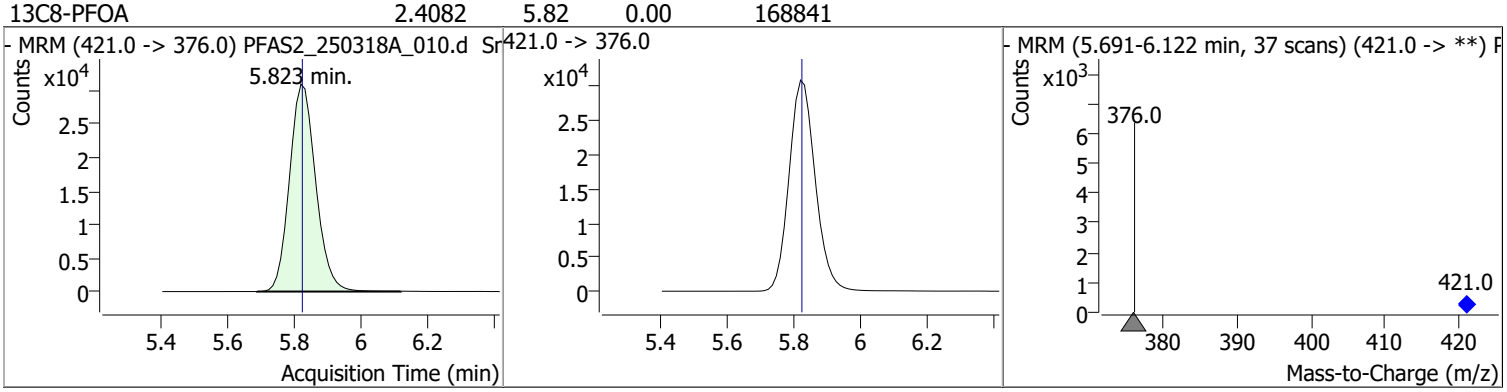
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7736	5.64	0.00	13513	429.0 -> 409.0	696.5	392.8	729.4



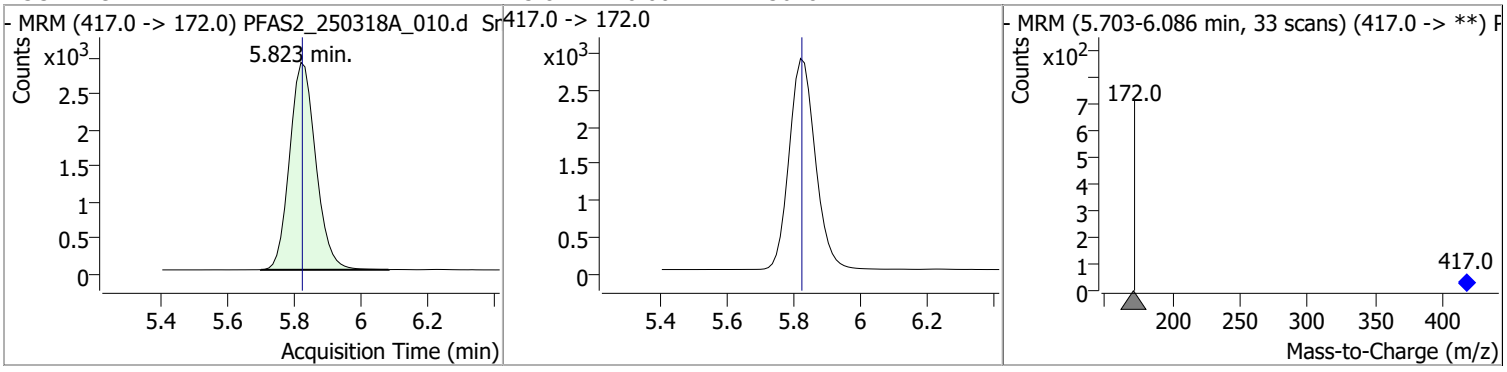
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	111.5484	5.64	0.00	989700	427.0 -> 81.0	29.9	17.7	32.8



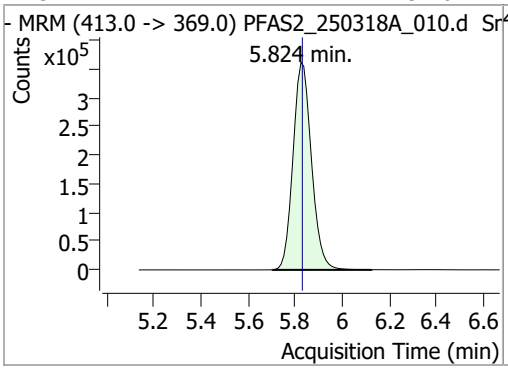
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4082	5.82	0.00	168841				

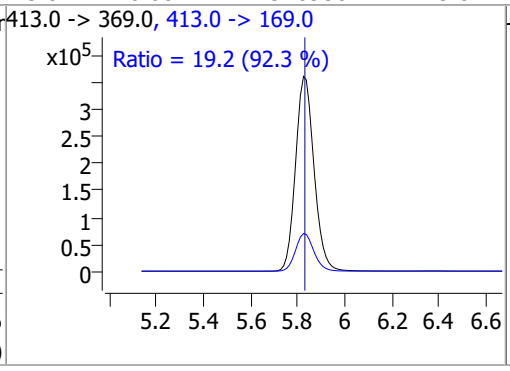


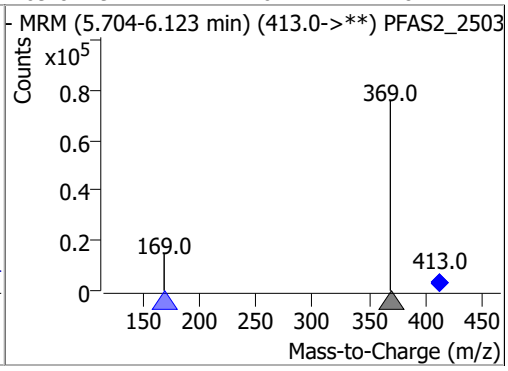
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15678				



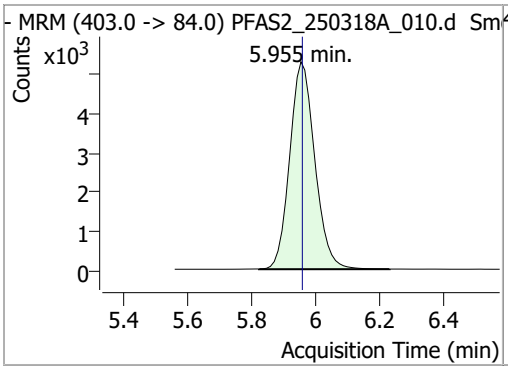
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	29.4617	5.82	0.00	1970950	413.0 -> 169.0	19.2	14.6	27.0

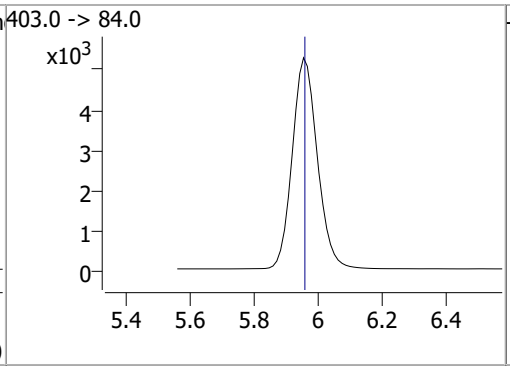


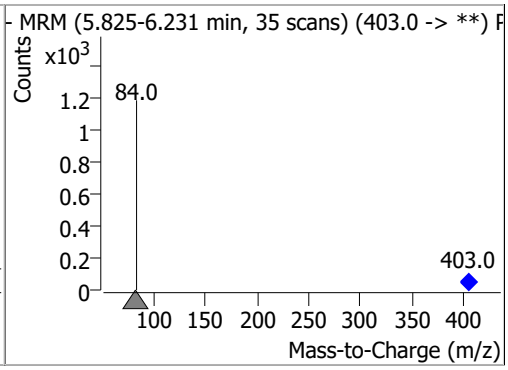




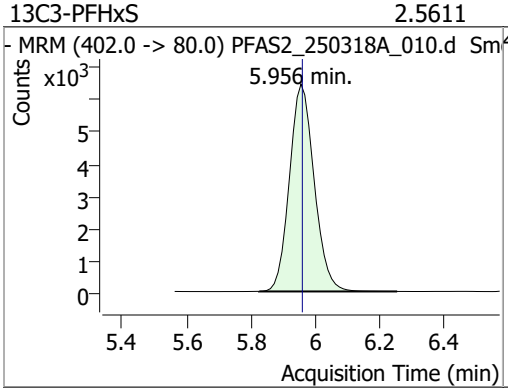
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	28428				

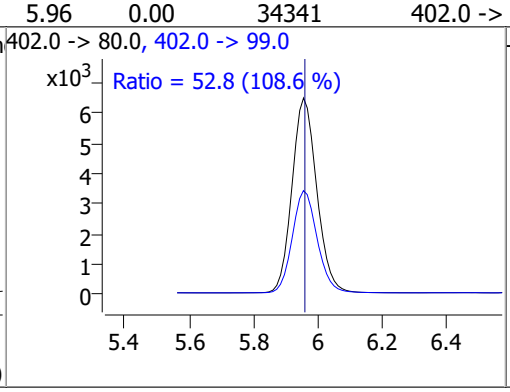


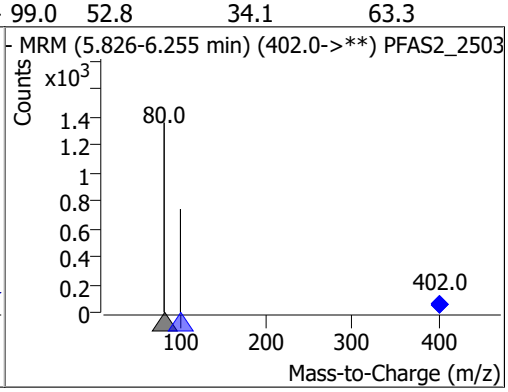




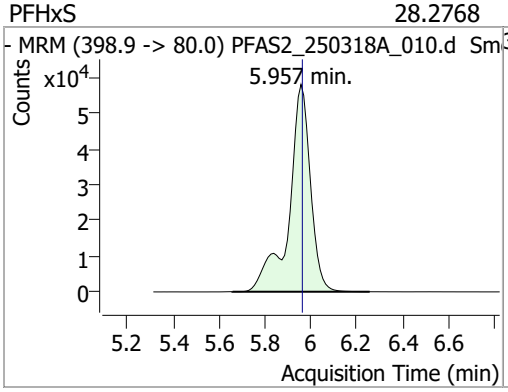
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5611	5.96	0.00	34341	402.0 -> 99.0	52.8	34.1	63.3

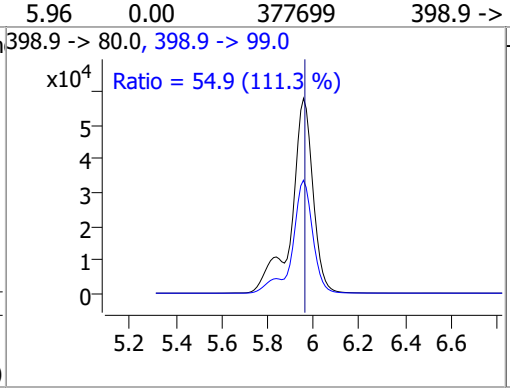


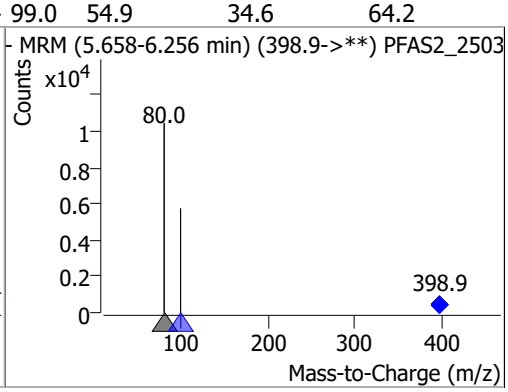




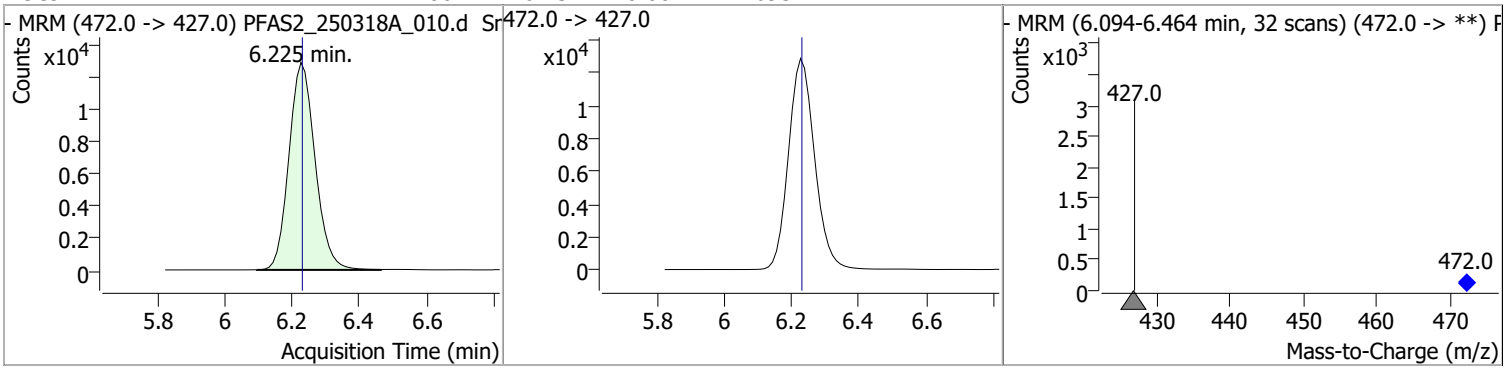
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	28.2768	5.96	0.00	377699	398.9 -> 99.0	54.9	34.6	64.2



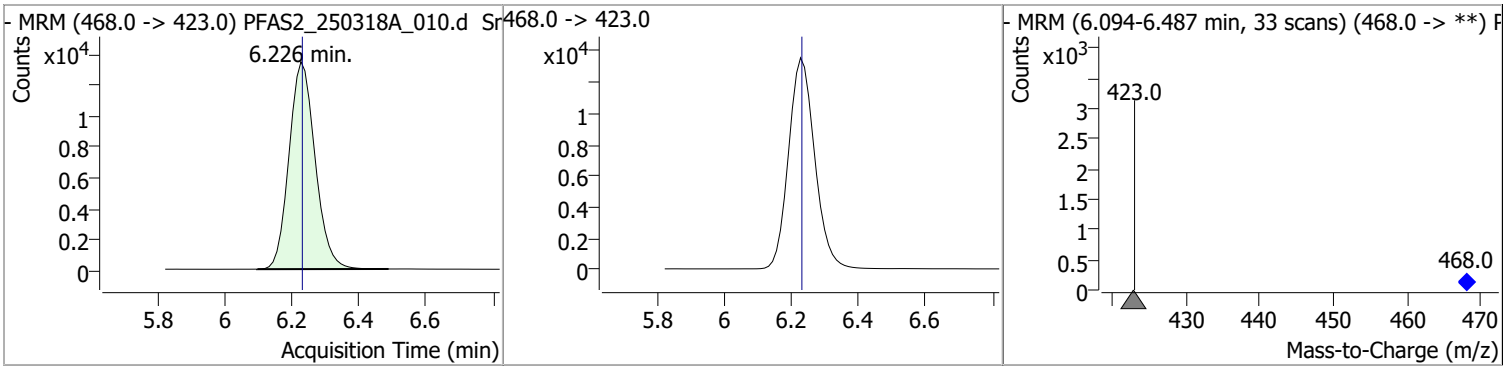




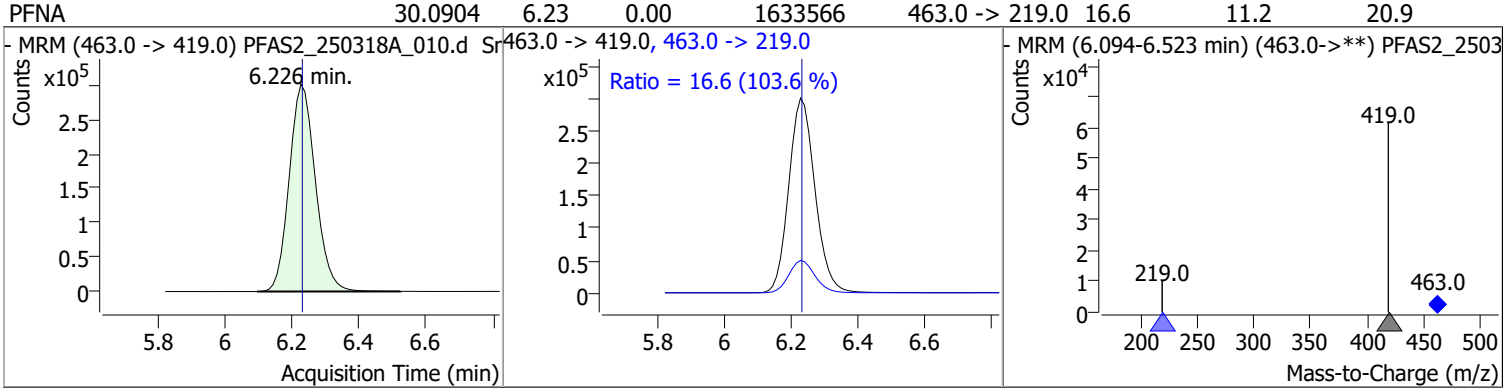
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2004	6.23	0.00	69547				



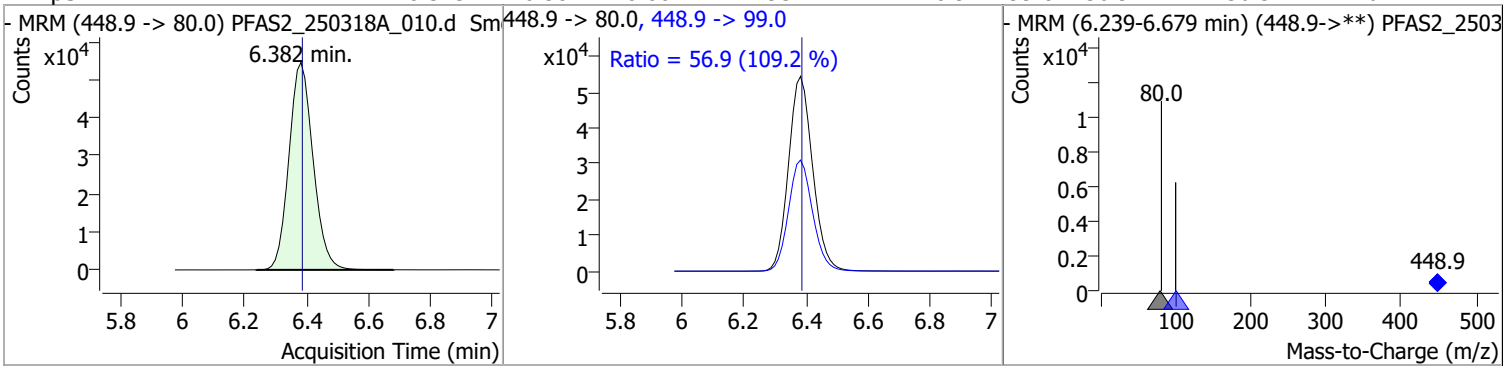
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	73114				



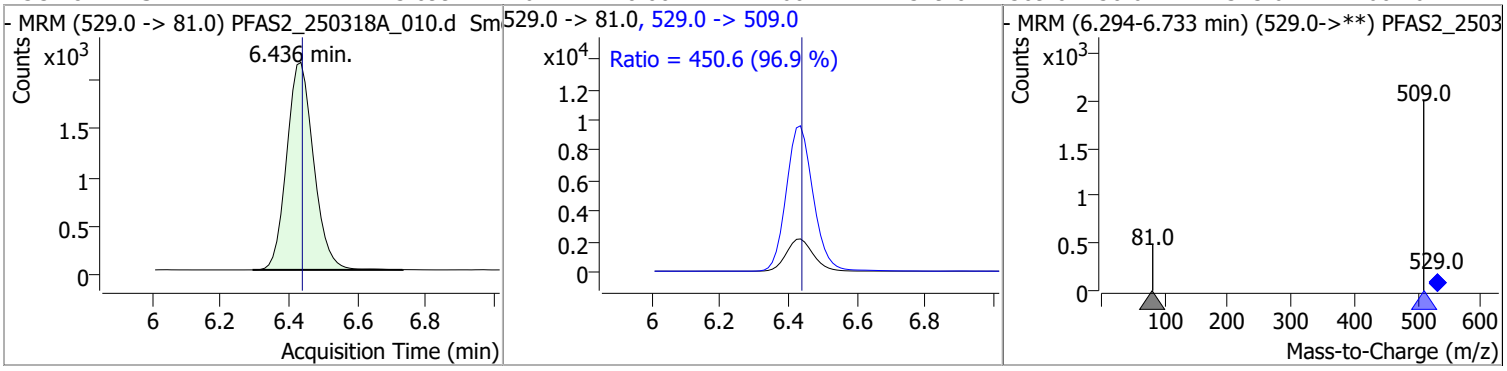
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	30.0904	6.23	0.00	1633566	463.0 -> 219.0	16.6	11.2	20.9



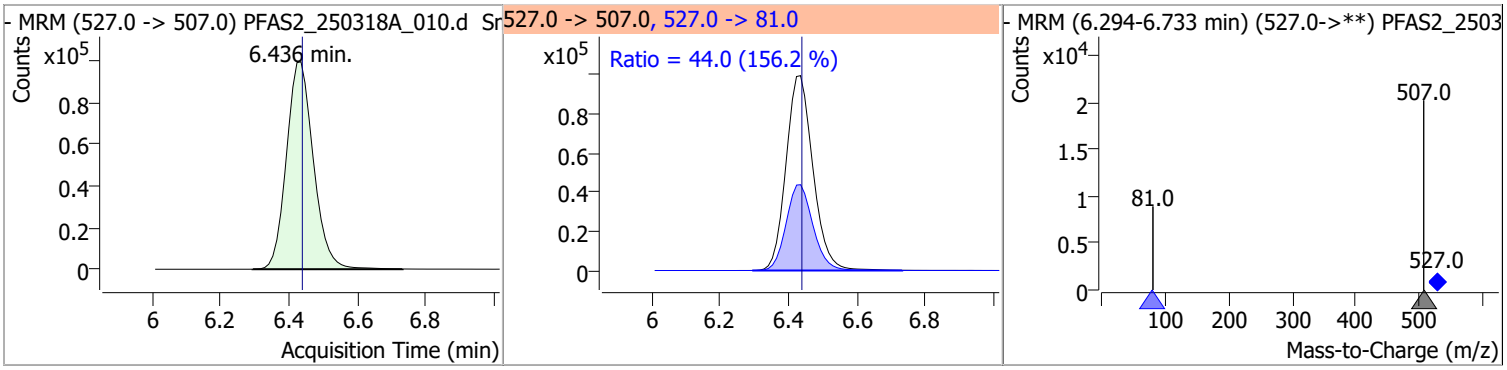
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	28.3431	6.38	0.00	293412	448.9 -> 99.0	56.9	36.5	67.7



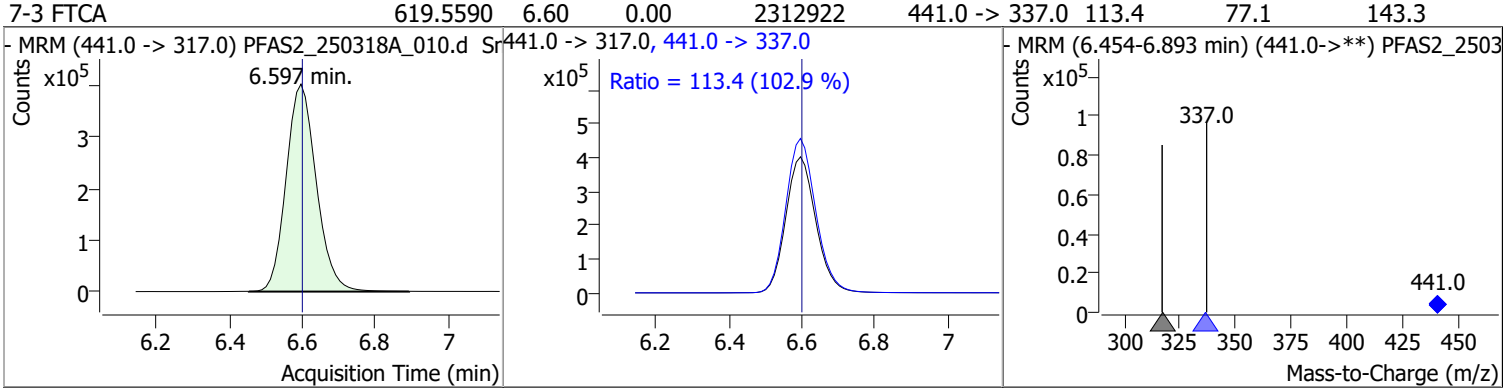
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0997	6.44	0.00	11607	529.0 -> 509.0	450.6	325.6	604.6



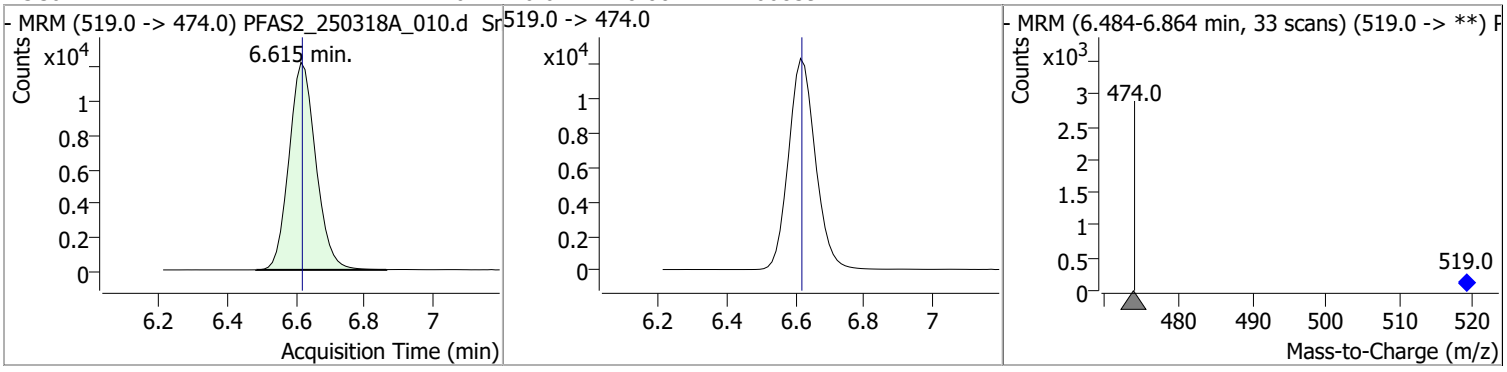
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	113.5874	6.44	0.00	543348	527.0 -> 81.0	44.0	19.7	36.6



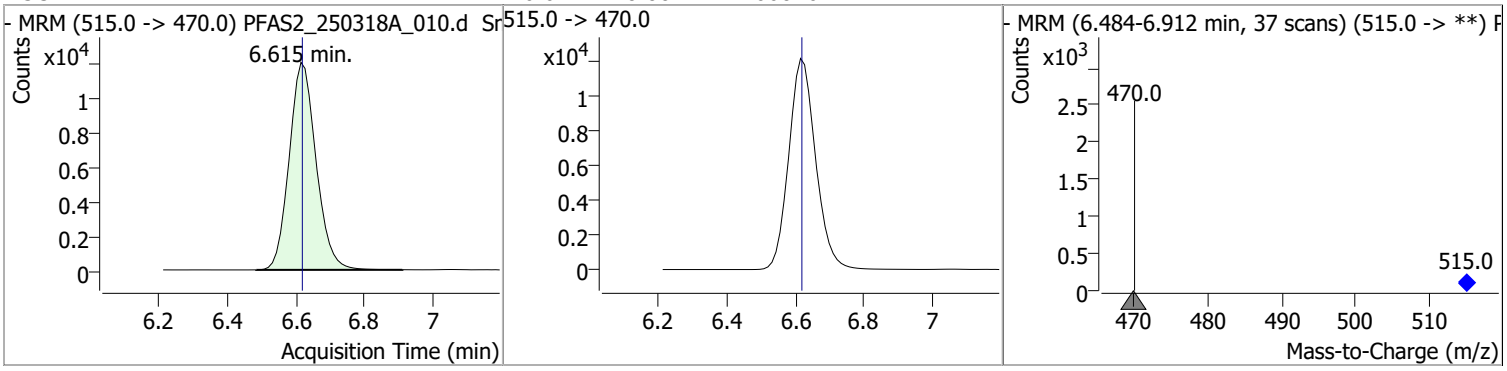
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	619.5590	6.60	0.00	2312922	441.0 -> 337.0	113.4	77.1	143.3



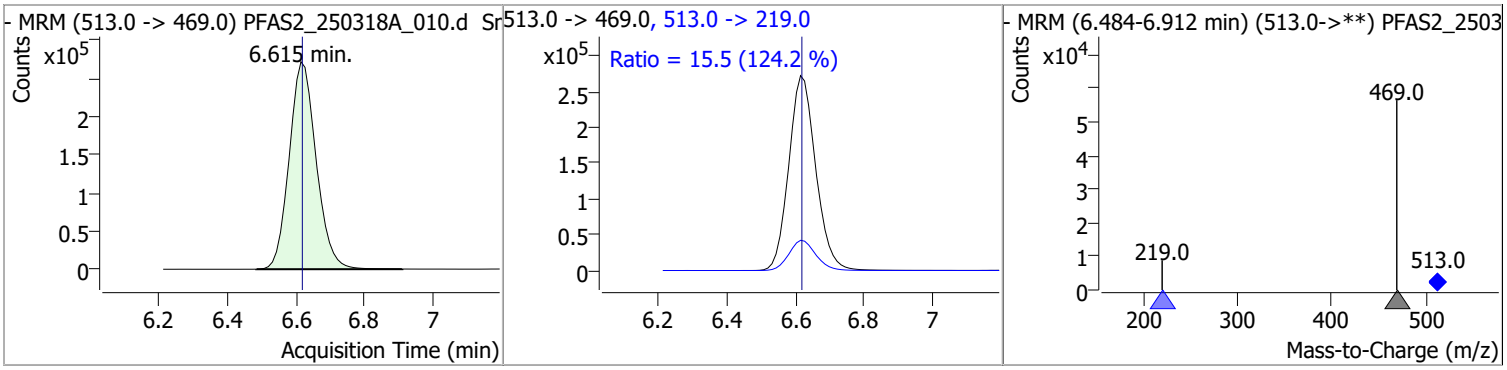
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2446	6.61	0.00	66859				



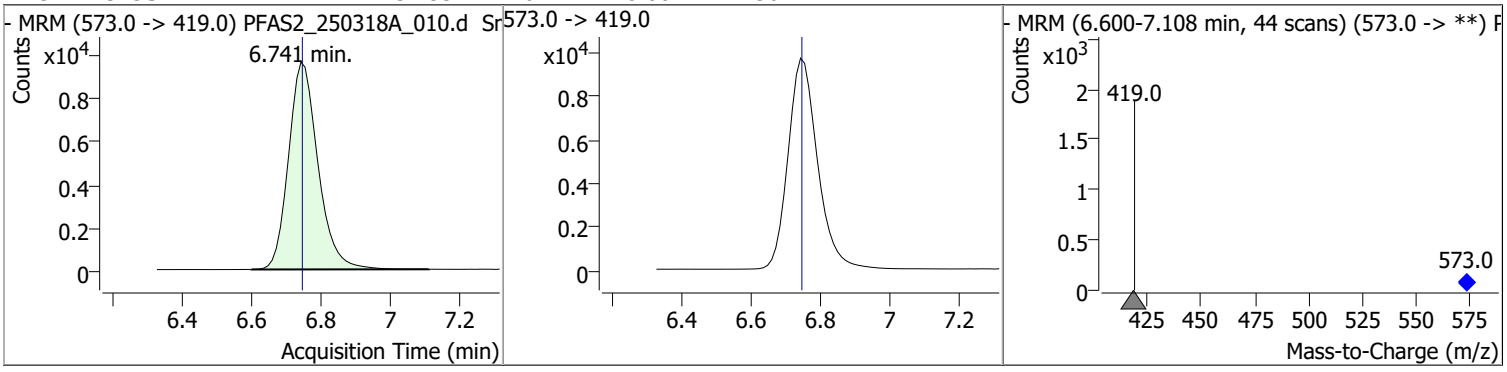
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66016				



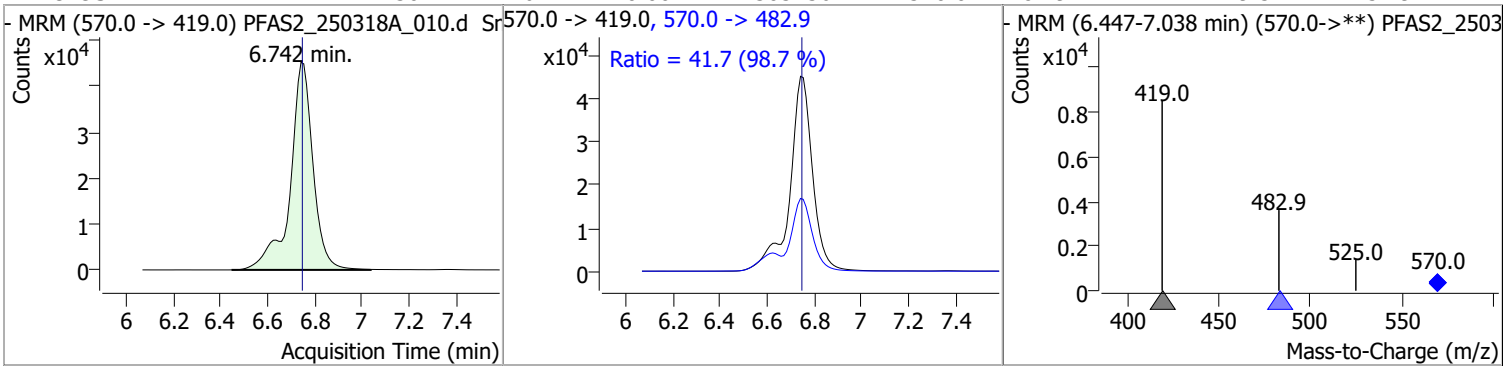
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	29.4754	6.62	0.00	1489429	513.0 -> 219.0	15.5	8.7	16.2



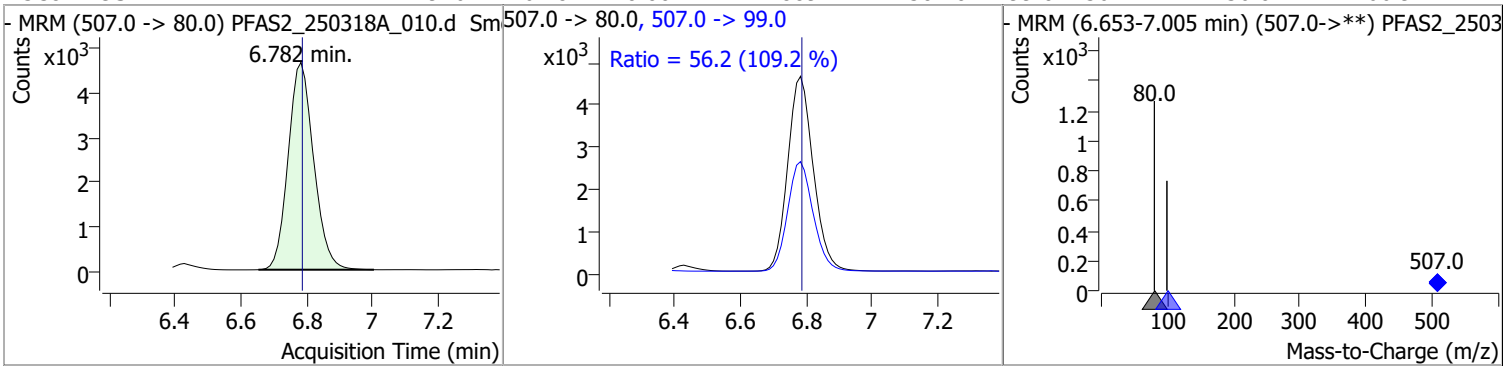
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1532	6.74	0.00	56772				



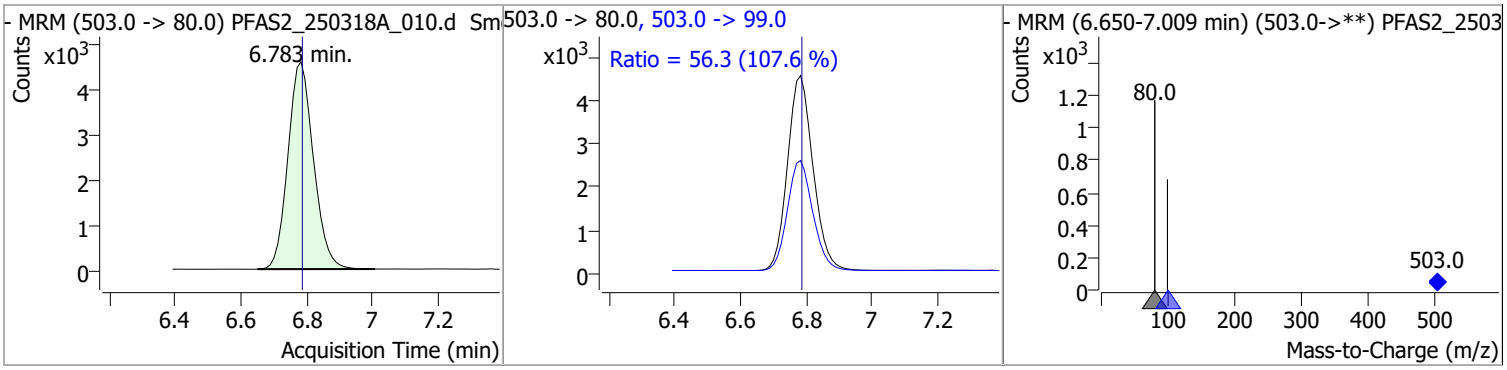
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	30.4177	6.74	0.00	305136	570.0 -> 482.9	41.7	29.5	54.9



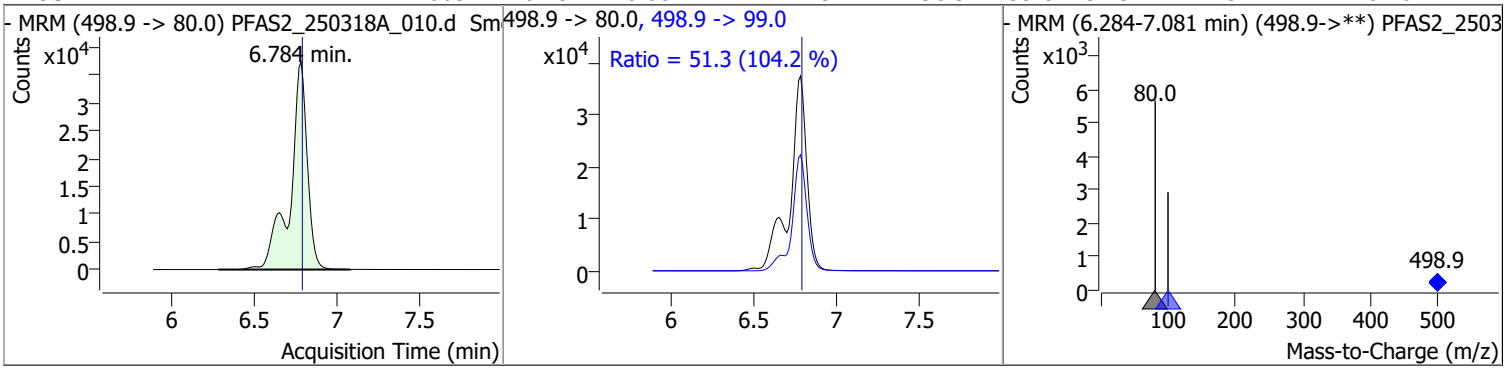
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4976	6.78	0.00	24889	507.0 -> 99.0	56.2	36.0	66.9



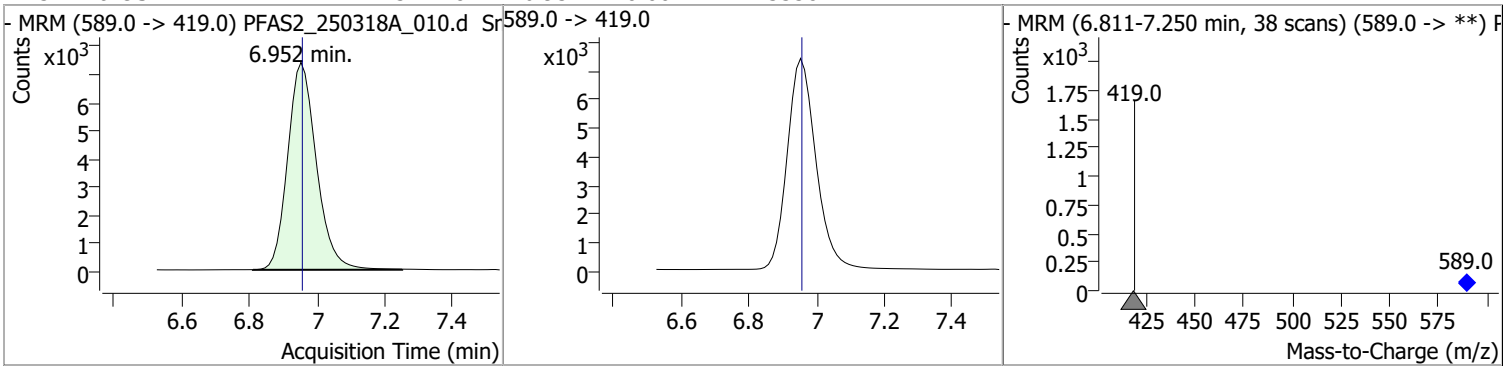
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	24553	503.0 -> 99.0	56.3	36.6	67.9



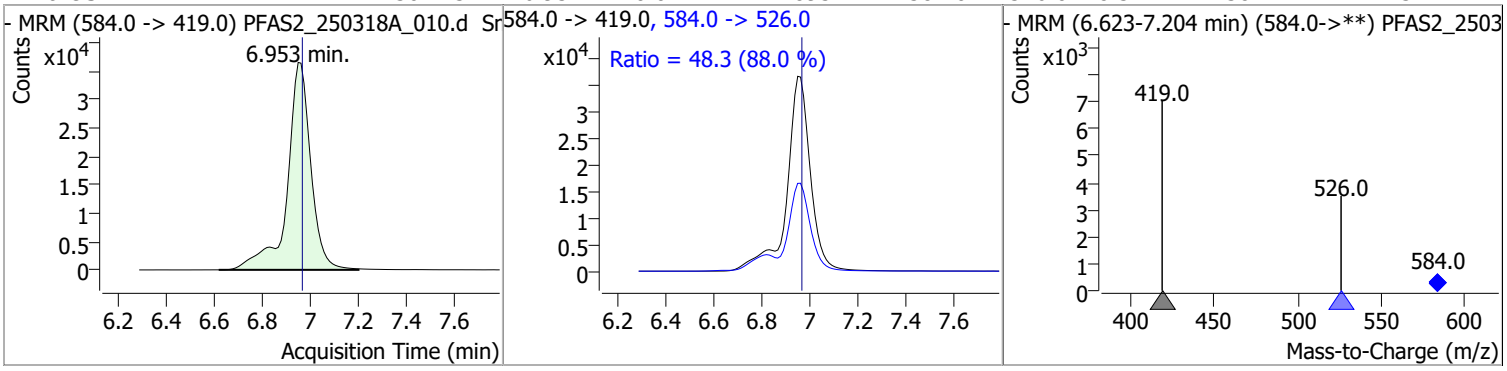
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	27.0631	6.78	0.00	271145	498.9 -> 99.0	51.3	34.4	64.0



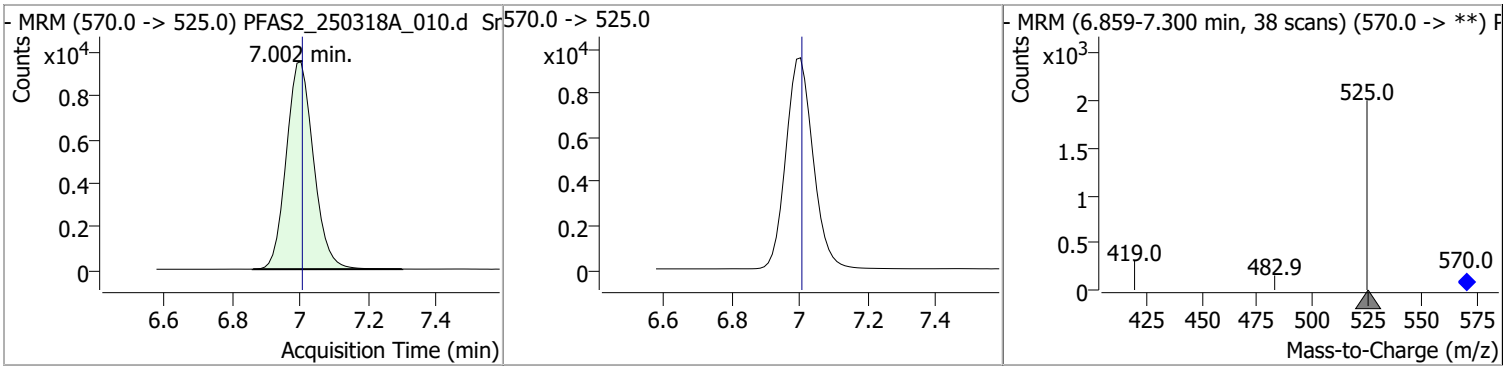
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2128	6.95	0.00	43358				



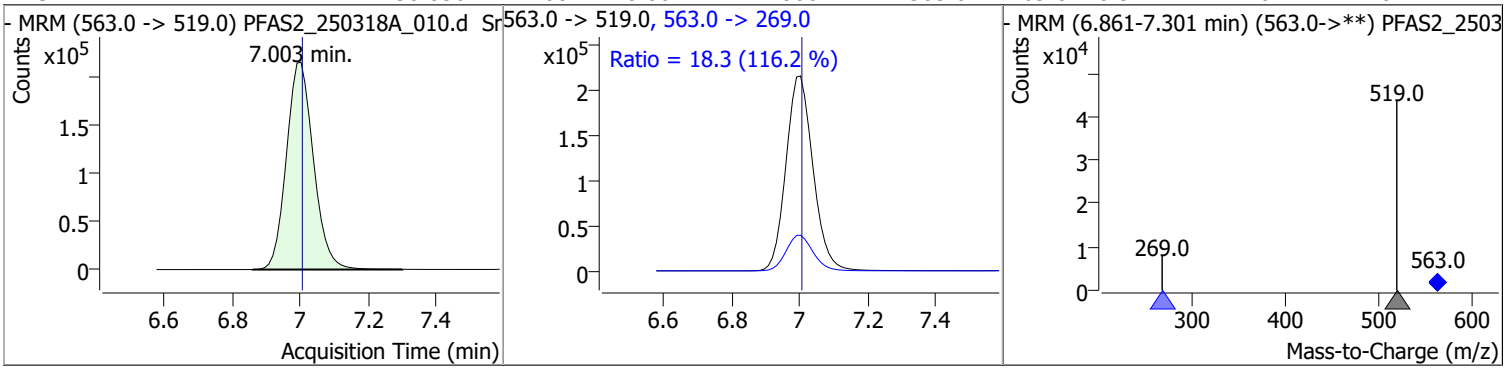
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	30.2232	6.95	-0.01	247895	584.0 -> 526.0	48.3	38.4	71.3



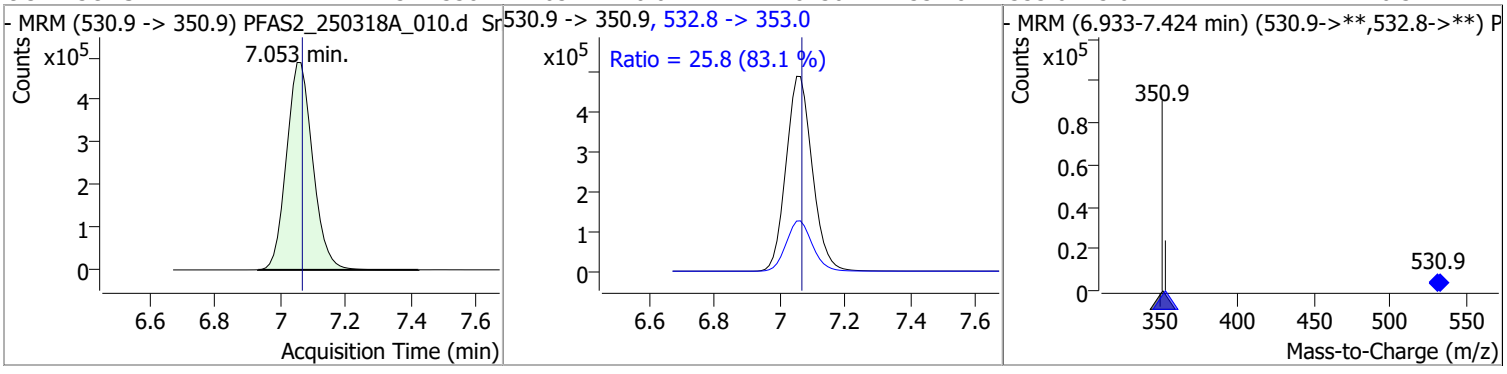
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2527	7.00	0.00	53034				



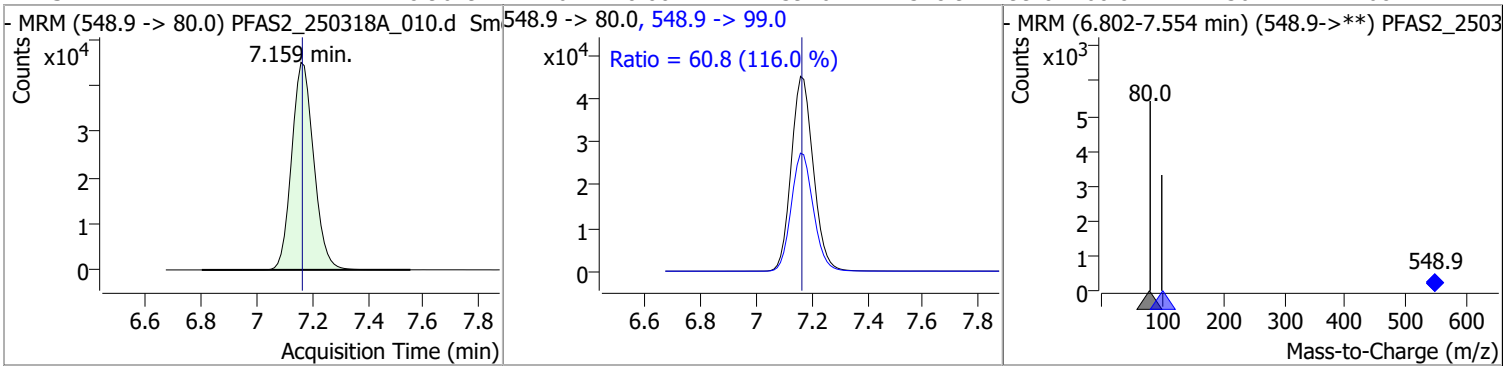
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	30.0564	7.00	0.00	1186814	563.0 -> 269.0	18.3	11.0	20.4



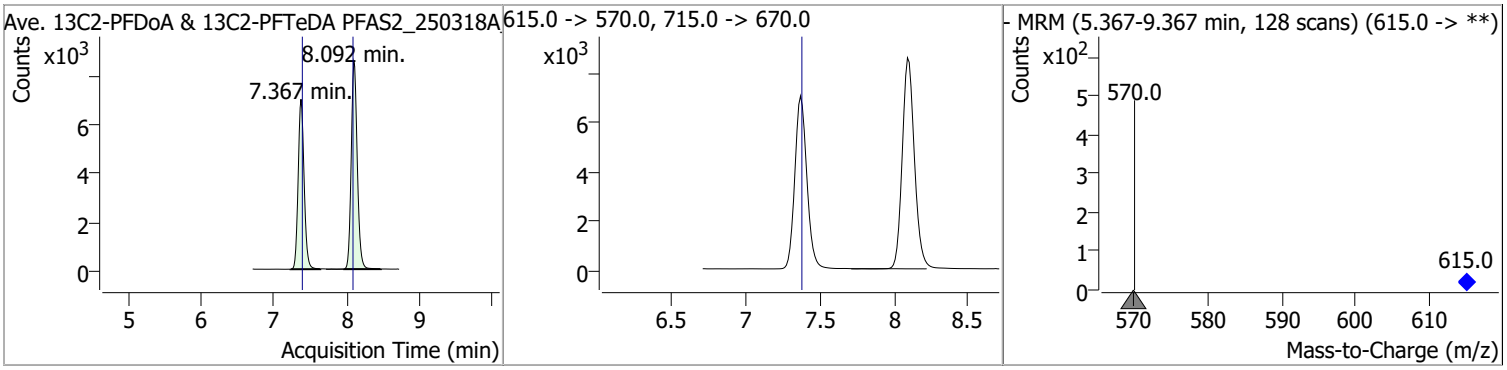
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	54.7338	7.05	-0.01	2718730	532.8 -> 353.0	25.8	21.7	40.3



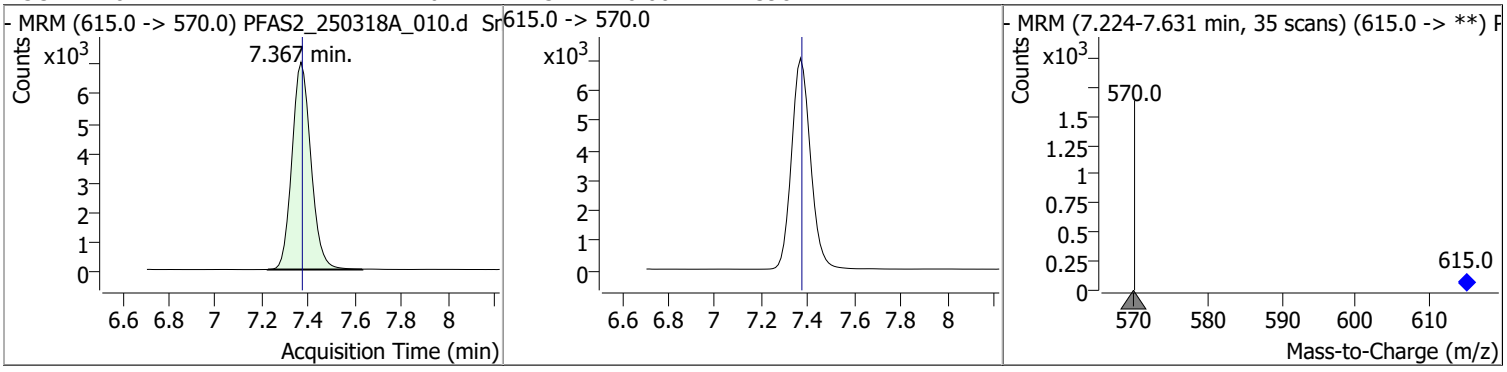
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	28.9649	7.16	0.00	245916	548.9 -> 99.0	60.8	36.7	68.1



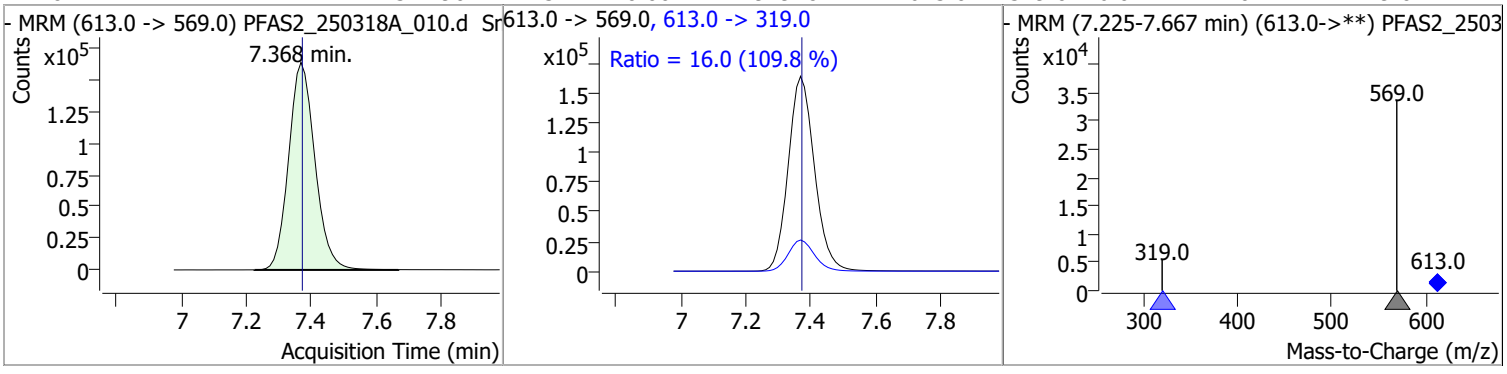
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2779	7.73	0.36	44594				



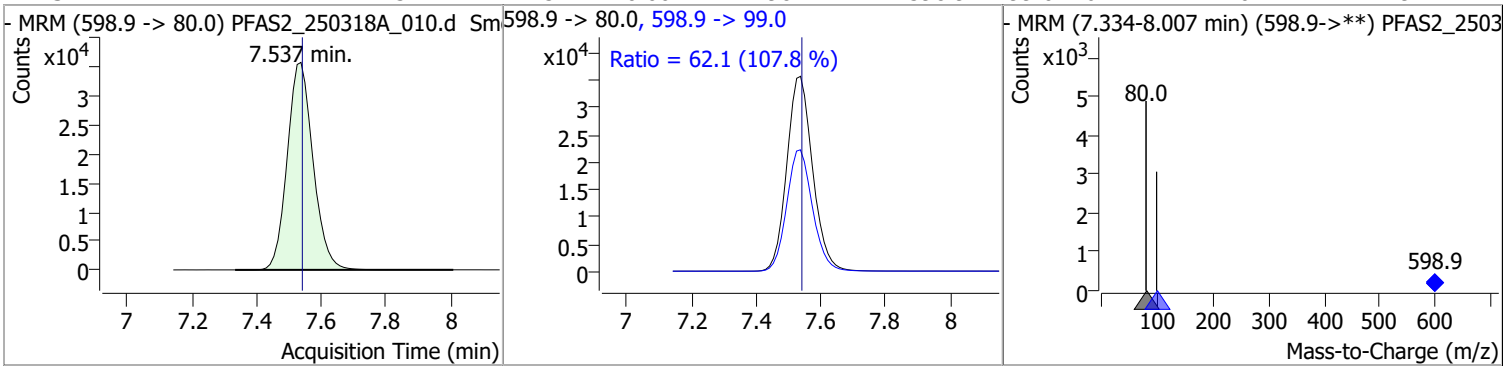
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2624	7.37	0.00	39817				



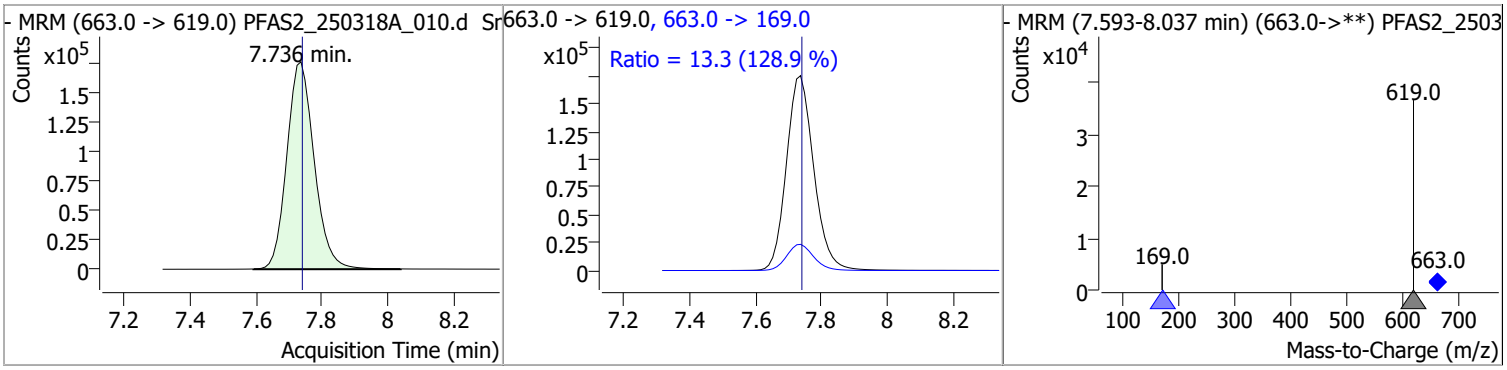
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	31.4902	7.37	0.00	919187	613.0 -> 319.0	16.0	10.2	19.0



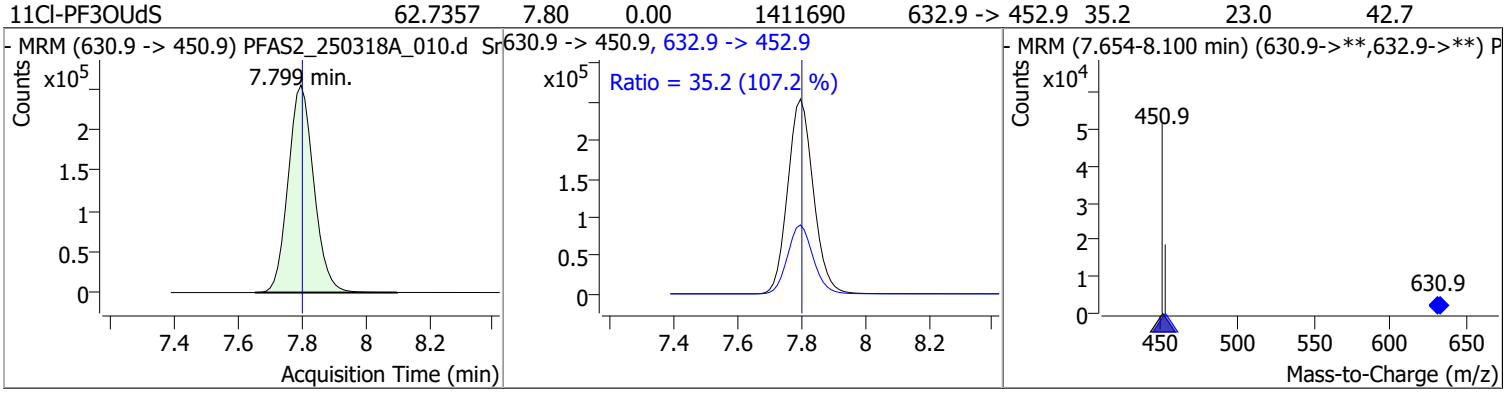
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	31.2472	7.54	0.00	198222	598.9 -> 99.0	62.1	40.4	74.9



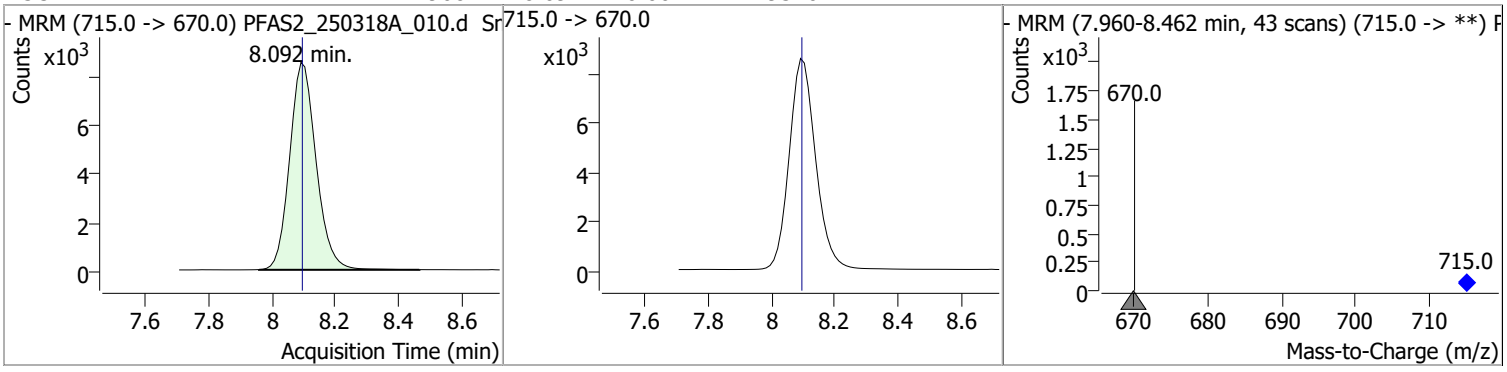
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	29.9135	7.74	0.00	1005102	663.0 -> 169.0	13.3	7.2	13.4



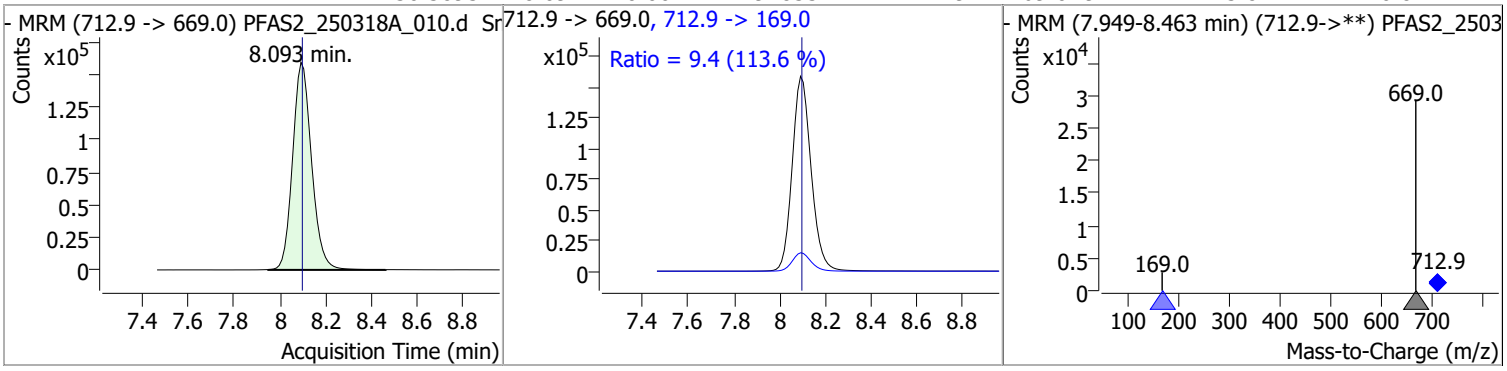
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	62.7357	7.80	0.00	1411690	632.9 -> 452.9	35.2	23.0	42.7



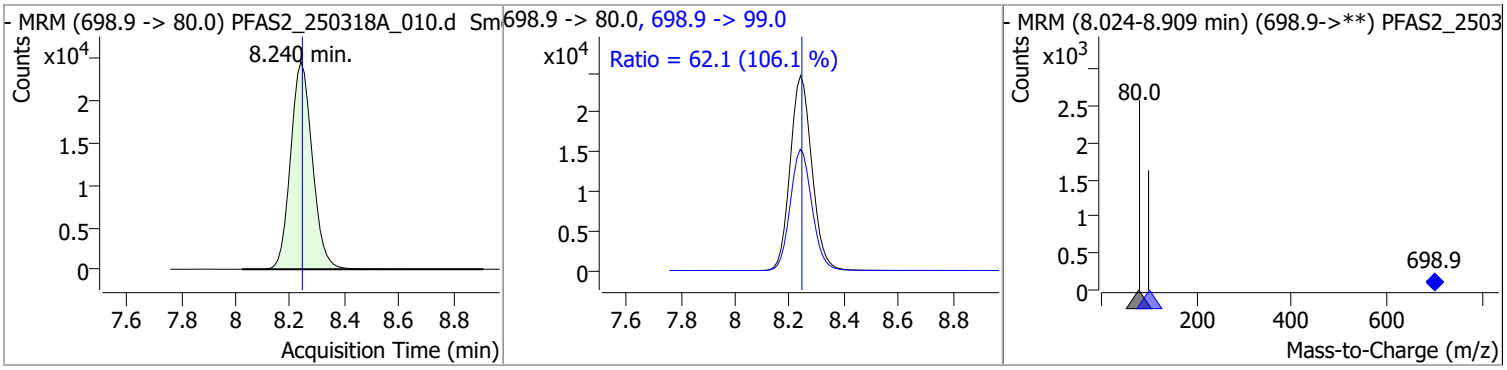
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2908	8.09	0.00	49370				



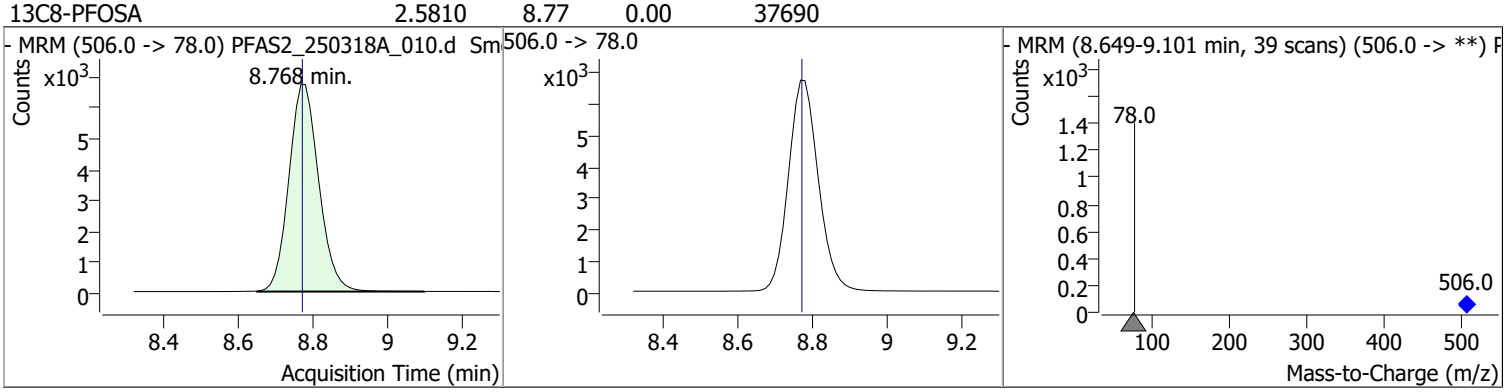
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	30.3893	8.09	0.00	918337	712.9 -> 169.0	9.4	5.8	10.8



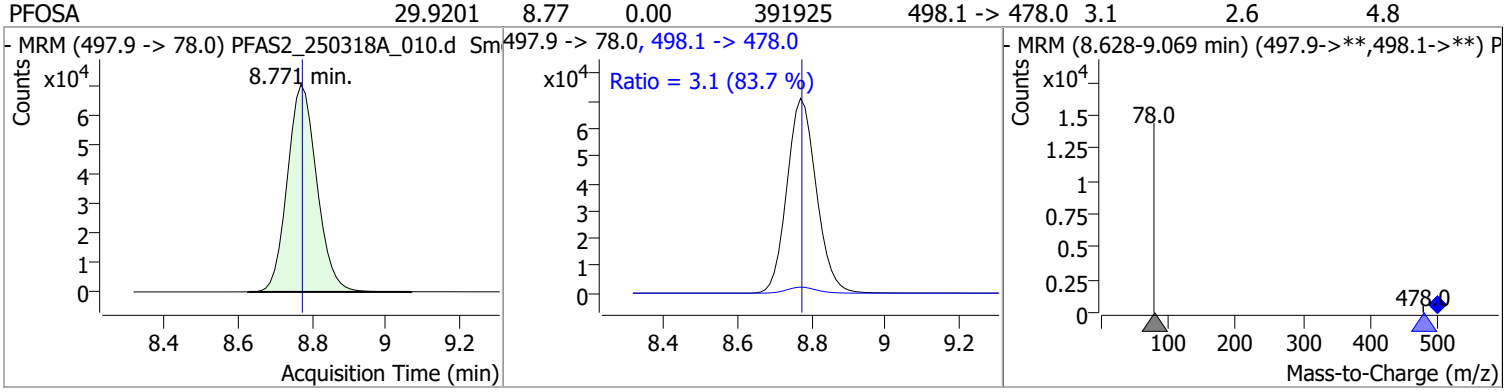
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	30.6346	8.24	0.00	135892	698.9 -> 99.0	62.1	41.0	76.1



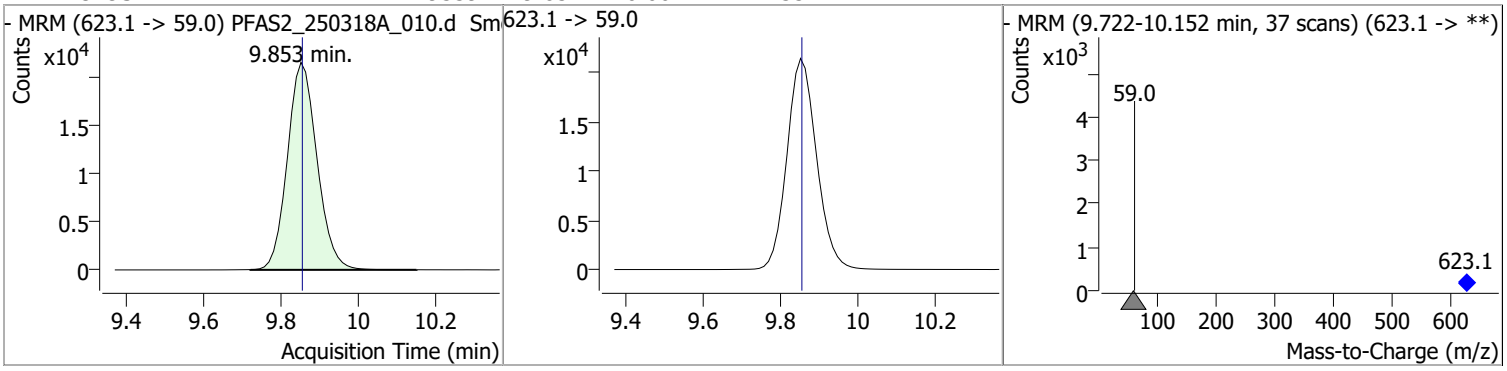
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5810	8.77	0.00	37690				



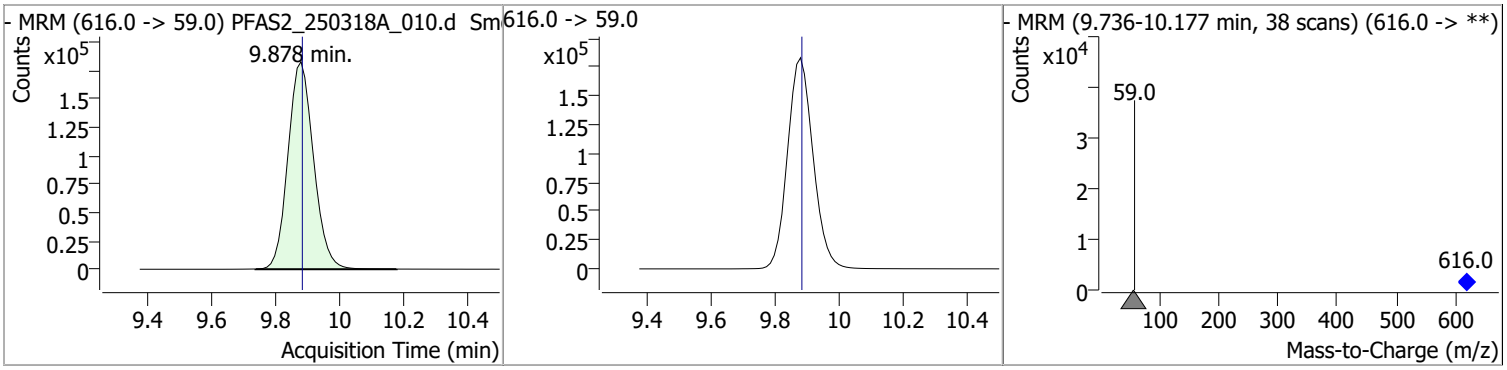
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	29.9201	8.77	0.00	391925	498.1 -> 478.0	3.1	2.6	4.8



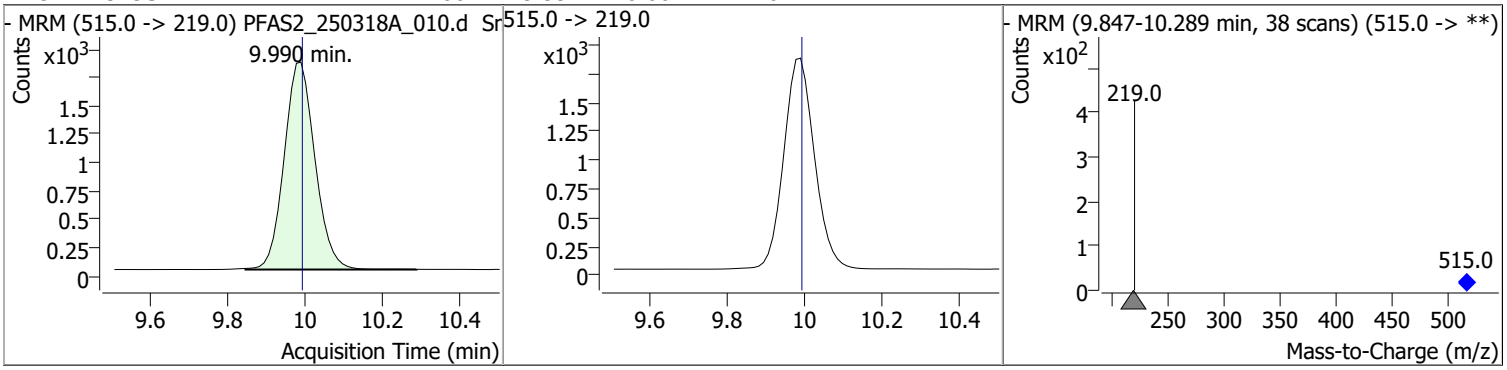
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	22.9339	9.85	0.00	113527				



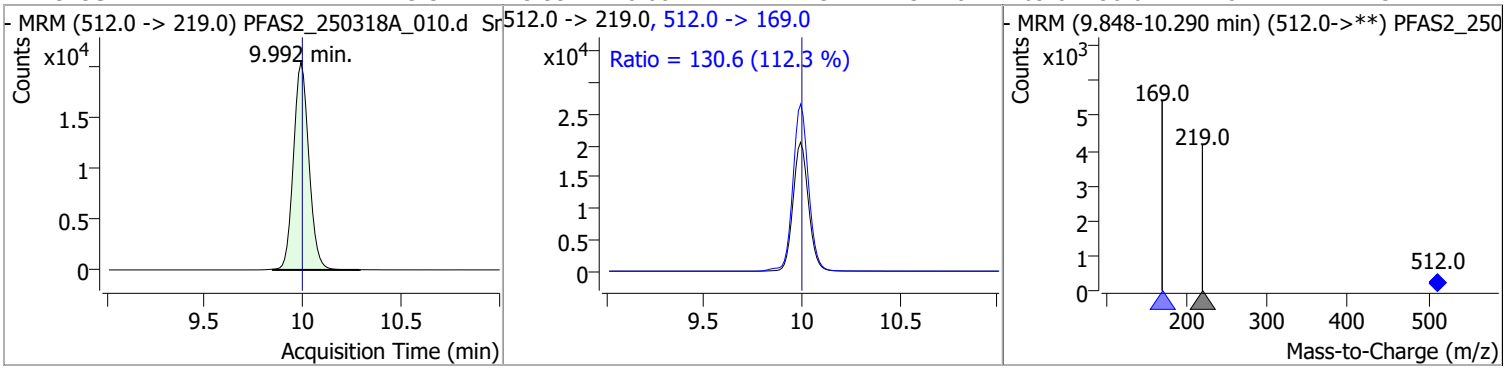
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	302.8507	9.88	0.00	1013868				



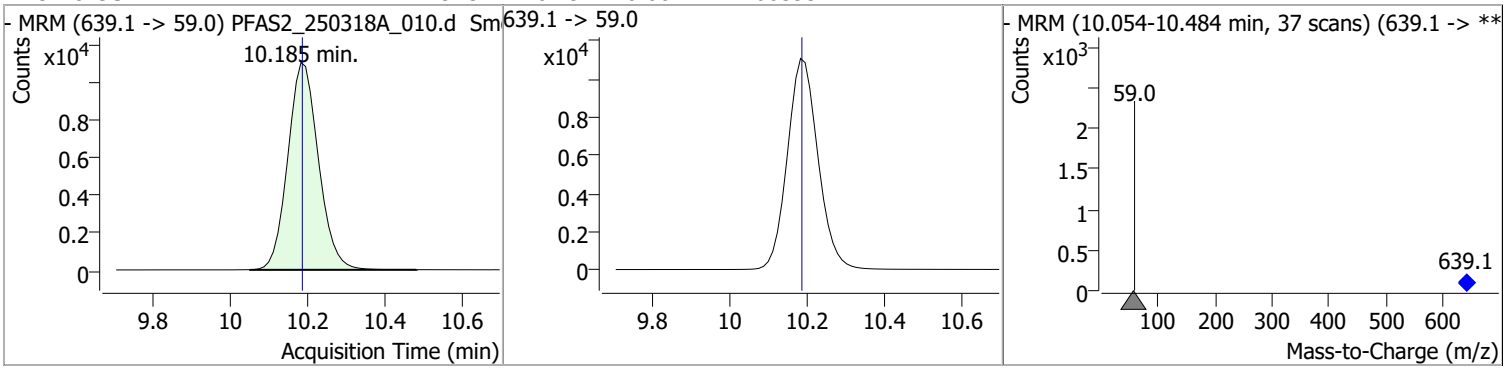
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4700	9.99	0.00	10122				



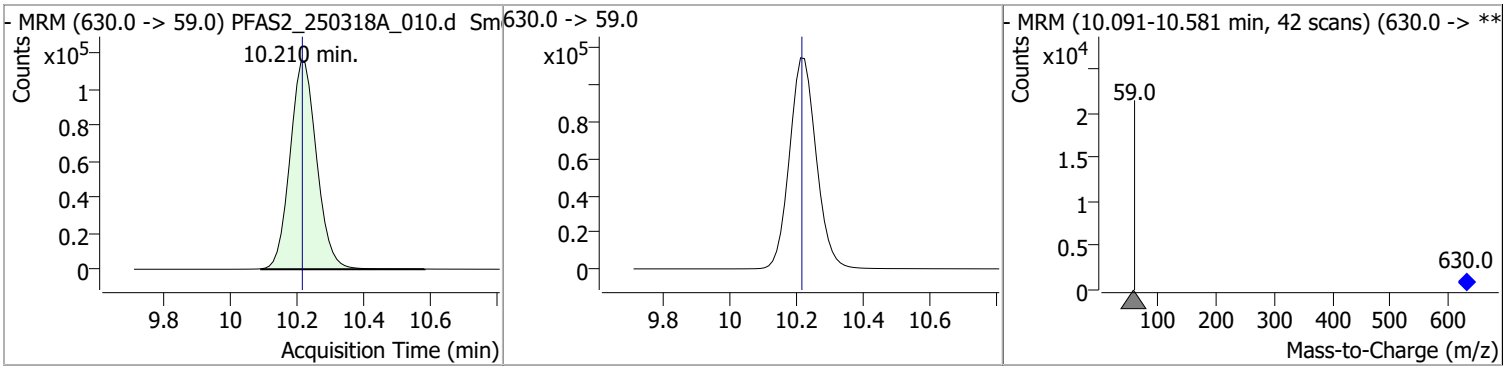
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	29.3472	9.99	0.00	111729	512.0 -> 169.0	130.6	81.4	151.2



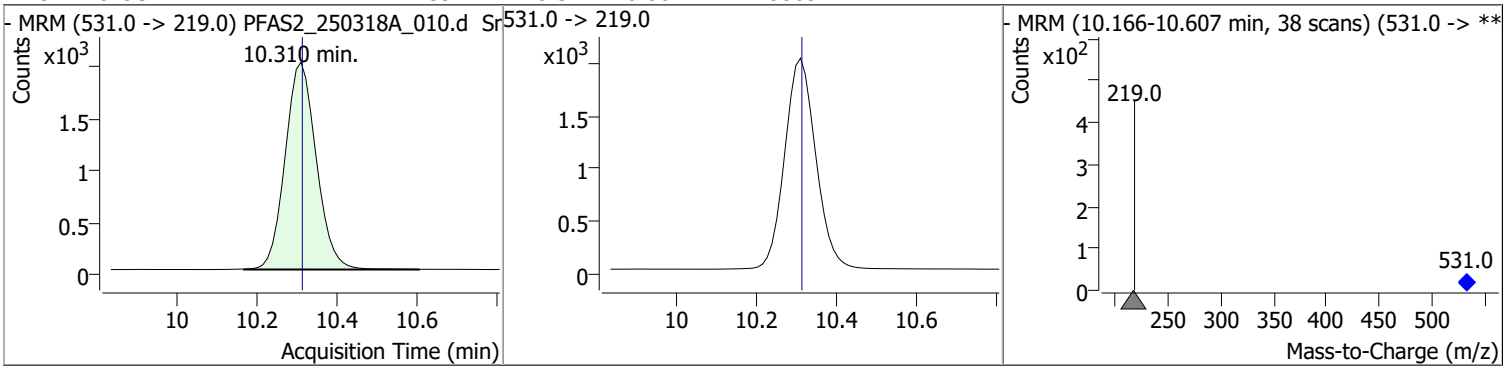
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.1915	10.19	0.00	60599				



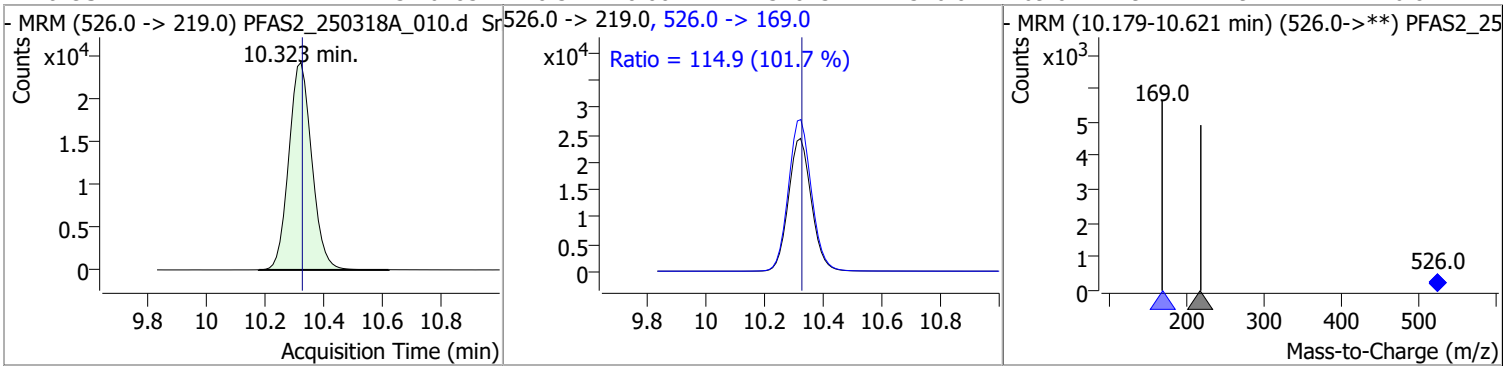
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	306.5095	10.21	0.00	642427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4392	10.31	0.00	10809				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	31.6783	10.32	0.00	132073	526.0 -> 169.0	114.9	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_011.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 6:29:09 PM
Sample Name	SEQ-CAL9	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

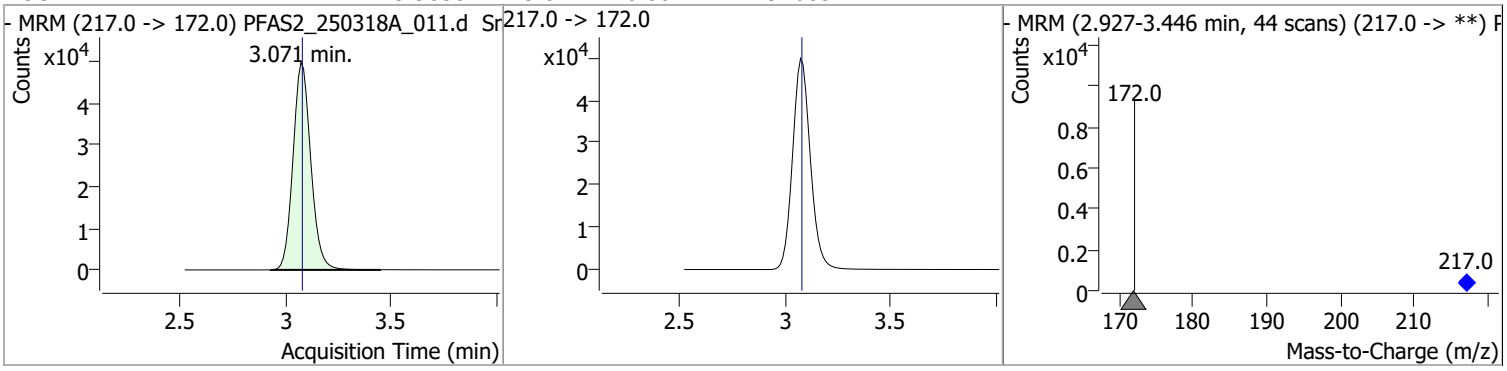
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	129551	5.0000	µg/L		-5.328
13C2-PFHxA	4.890	315.0 -> 270.0	153466	2.5000	µg/L		0.027
18O2-PFHxS	5.955	403.0 -> 84.0	29472	2.5000	µg/L		-0.534
13C4-PFOA	5.823	417.0 -> 172.0	15160	2.5000	µg/L		-1.866
13C5-PFNA	6.226	468.0 -> 423.0	67063	1.2500	µg/L		-5.774
13C2-PFDA	6.615	515.0 -> 470.0	66912	1.2500	µg/L		0.054
13C4-PFOS	6.783	503.0 -> 80.0	23629	2.5000	µg/L		-5.139
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	291603	10.0000	µg/L		-6.186
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.05%			
13C5-PFPeA	4.222	268.0 -> 223.0	201293	5.0000	µg/L		-2.719
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.26%			
13C5-PFPeA	4.222	268.0 -> 223.0	201293	5.0000	µg/L		-2.719
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.26%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	20777	5.0000	µg/L	#	-17.761
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.02%			
13C5-PFHxA	4.889	318.0 -> 273.0	169575	2.5000	µg/L		0.433
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C5-PFHxA	4.889	318.0 -> 273.0	169575	2.5000	µg/L		0.433
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFBS	4.929	302.0 -> 80.0	55979	2.5000	µg/L		-7.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.78%			
13C3-PFBS	4.929	302.0 -> 80.0	55979	2.5000	µg/L		-7.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.78%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	169952	10.0000	µg/L		-2.757
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.21%			
13C4-PFHpA	5.397	367.0 -> 322.0	189936	2.5000	µg/L		0.556
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.56%			
13C3-PFHxS	5.956	402.0 -> 80.0	31964	2.5000	µg/L		-8.539
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.98%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12865	5.0000	µg/L	#	-12.890
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.67%			
13C8-PFOA	5.823	421.0 -> 376.0	169125	2.5000	µg/L		-2.093
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.79%			
13C3-PFHxS	5.956	402.0 -> 80.0	31964	2.5000	µg/L		-8.539
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.98%			
13C9-PFNA	6.225	472.0 -> 427.0	66922	1.2500	µg/L		-5.027
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.75%			
13C8-PFOS	6.782	507.0 -> 80.0	23340	2.5000	µg/L		-7.686
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.35%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11343	5.0000	µg/L		-4.243
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.15%			
13C6-PFDA	6.615	519.0 -> 474.0	65340	1.2500	µg/L		-3.856
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.00%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	57544	5.0000	µg/L		3.091

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.55%		
13C8-PFOS	6.782	507.0 -> 80.0	23340	2.5000	µg/L	-7.686
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.35%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	44947	5.0000	µg/L	6.586
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 112.31%		
13C7-PFUnDA	7.002	570.0 -> 525.0	50607	1.2500	µg/L	-5.589
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 94.35%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.735	615.0 -> 570.0	46056	1.2500	µg/L	4.400
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.17%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42135	1.2500	µg/L	5.481
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 105.43%		
13C2-PFTDA	8.104	715.0 -> 670.0	49978	1.2500	µg/L	3.505
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.13%		
13C8-PFOSA	8.780	506.0 -> 78.0	37986	2.5000	µg/L	2.772
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.12%		
2H7-MeFOSE	9.853	623.1 -> 59.0	110558	25.0000	µg/L	-12.007
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 92.83%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10682	2.5000	µg/L	3.017
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 108.34%		
2H9-EtFOSE	10.185	639.1 -> 59.0	58367	25.0000	µg/L	-8.097
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.85%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11254	2.5000	µg/L	0.124
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.56%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	4146543	162.0376	µg/L	100
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 101.27%		
PFMPA	3.614	229.0 -> 85.0	1558946	80.2188	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 100.27%		
3-3 FTCA	3.778	241.0 -> 177.0	119020	158.1200	µg/L	98
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 98.82%		
PFPeA	4.223	263.0 -> 219.0	2970904	79.6642	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 99.58%		
PFMBA	4.453	279.0 -> 85.0	2227996	78.7514	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 98.44%		
4-2 FTSA	4.698	327.0 -> 307.0	1733603	137.2859	µg/L	97
Spiked Amount: 150.000	Range: 70 - 130%			Recovery = 91.52%		
NFDHA	4.823	295.0 -> 201.0	96687	77.5250	µg/L	99
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 96.91%		
PFHxA	4.892	313.0 -> 269.0	2461066	40.5584	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.40%		
PFBS	4.930	298.9 -> 80.0	849037	36.5526	µg/L	94
Spiked Amount: 35.480	Range: 70 - 130%			Recovery = 103.02%		
HFPO-DA	5.087	285.0 -> 169.0	1276109	84.6317	µg/L	98
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 105.79%		
PFEESA	5.201	314.9 -> 135.0	5446528	72.5190	µg/L	98
Spiked Amount: 71.200	Range: 70 - 130%			Recovery = 101.85%		
PFHpA	5.398	363.0 -> 319.0	3022158	41.1217	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.80%		
5-3 FTCA	5.447	341.0 -> 237.0	4143979	808.6187	µg/L	93
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 101.08%		
PFPeS	5.494	348.9 -> 80.0	747428	43.3066	µg/L	92
Spiked Amount: 37.640	Range: 70 - 130%			Recovery = 115.05%		
DONA	5.551	377.0 -> 251.0	7672020	76.3606	µg/L	99
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 101.01%		

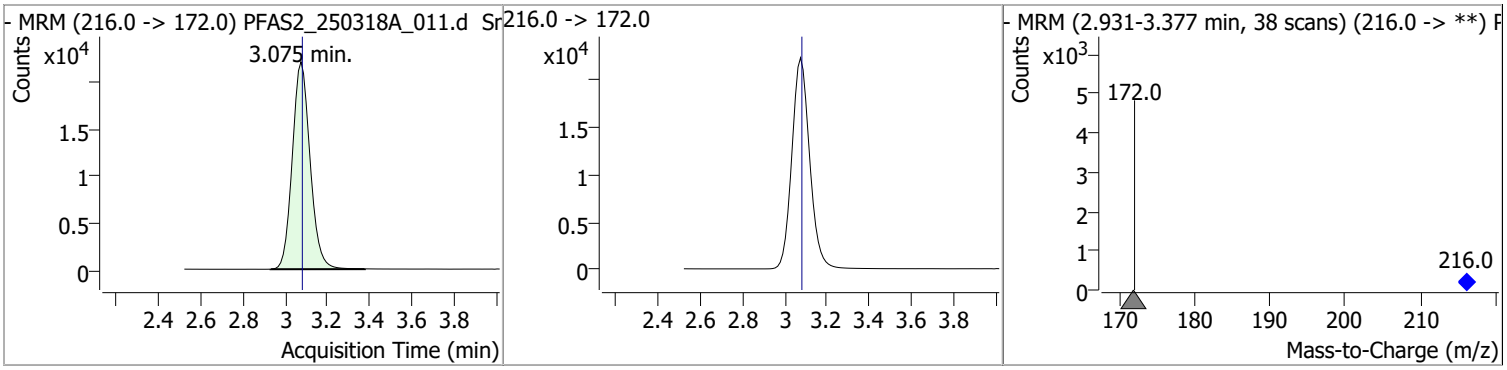
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	1296203	158.6675	µg/L		93
Spiked Amount: 152.000	Range: 70 - 130%			Recovery = 104.39%			
PFOA	5.824	413.0 -> 369.0	2700658	40.2881	µg/L		97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.72%			
PFHxS	5.957	398.9 -> 80.0	514176	41.3562	µg/L		92
Spiked Amount: 36.560	Range: 70 - 130%			Recovery = 113.12%			
PFNA	6.226	463.0 -> 419.0	2136782	40.9013	µg/L		98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.25%			
PFHpS	6.382	448.9 -> 80.0	370336	38.1470	µg/L		92
Spiked Amount: 38.120	Range: 70 - 130%			Recovery = 100.07%			
8-2 FTSA	6.436	527.0 -> 507.0	704999	157.2676	µg/L	#	73
Spiked Amount: 153.600	Range: 70 - 130%			Recovery = 102.39%			
7-3 FTCA	6.597	441.0 -> 317.0	3150872	787.4113	µg/L		98
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 98.43%			
PFDA	6.615	513.0 -> 469.0	2045915	40.9154	µg/L		94
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.29%			
N-MeFOSAA	6.742	570.0 -> 419.0	403302	39.6831	µg/L		100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 99.21%			
PFOS	6.784	498.9 -> 80.0	365659	38.9041	µg/L		97
Spiked Amount: 37.120	Range: 70 - 130%			Recovery = 104.81%			
N-EtFOSAA	6.953	584.0 -> 419.0	331691	39.0063	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.52%			
PFUnDA	7.003	563.0 -> 519.0	1503402	39.8954	µg/L		93
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 99.74%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	3568467	73.9919	µg/L		91
Spiked Amount: 74.800	Range: 70 - 130%			Recovery = 98.92%			
PFNS	7.171	548.9 -> 80.0	318645	40.0209	µg/L		88
Spiked Amount: 38.480	Range: 70 - 130%			Recovery = 104.00%			
PFDoDA	7.368	613.0 -> 569.0	1238213	40.0869	µg/L		95
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.22%			
PFDS	7.537	598.9 -> 80.0	268261	45.0932	µg/L		94
Spiked Amount: 38.600	Range: 70 - 130%			Recovery = 116.82%			
PFTrDA	7.736	663.0 -> 619.0	1430537	41.2234	µg/L		95
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 103.06%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	2096137	93.1153	µg/L		96
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 123.17%			
PFTDA	8.104	712.9 -> 669.0	1242704	40.6214	µg/L		97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.55%			
PFDoS	8.240	698.9 -> 80.0	181596	43.6535	µg/L		92
Spiked Amount: 38.800	Range: 70 - 130%			Recovery = 112.51%			
PFOSA	8.771	497.9 -> 78.0	543880	41.1977	µg/L		98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.99%			
MeFOSE	9.878	616.0 -> 59.0	1318917	407.5516	µg/L		100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 101.89%			
N-MeFOSA	9.992	512.0 -> 219.0	162527	40.4527	µg/L		92
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.13%			
EtFOSE	10.222	630.0 -> 59.0	812765	407.8099	µg/L		100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 101.95%			
N-EtFOSA	10.323	526.0 -> 219.0	187162	43.1161	µg/L		100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 107.79%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

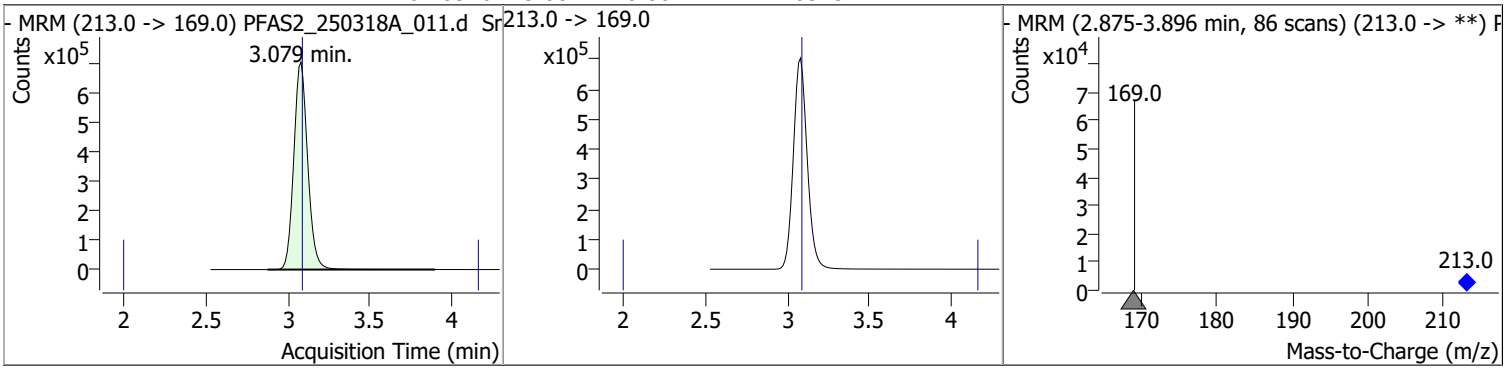
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9050	3.07	0.00	291603				



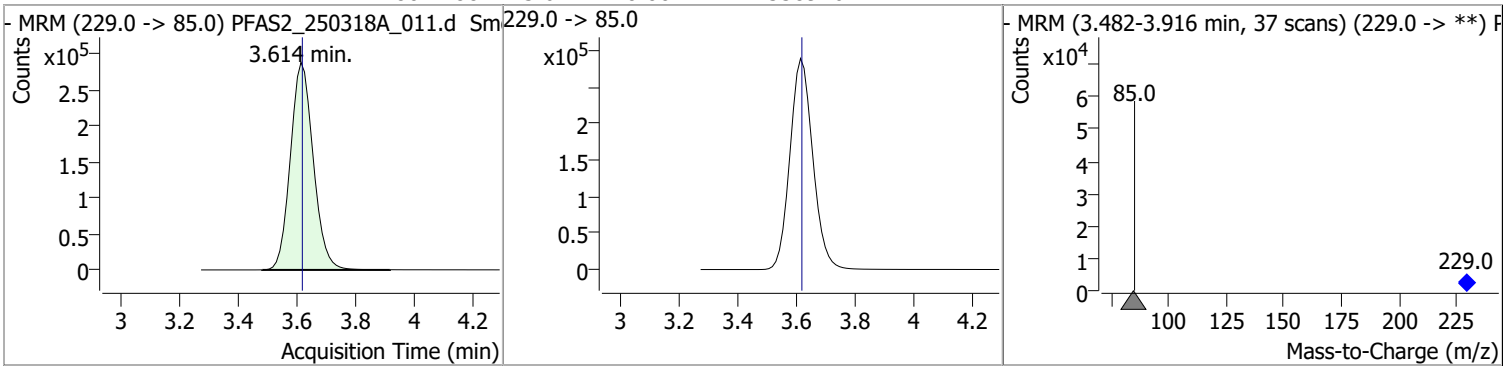
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	129551				



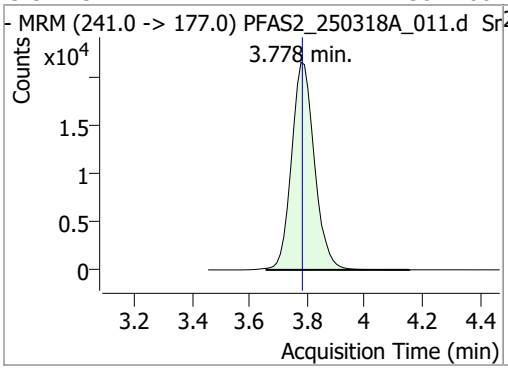
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	162.0376	3.08	0.00	4146543				

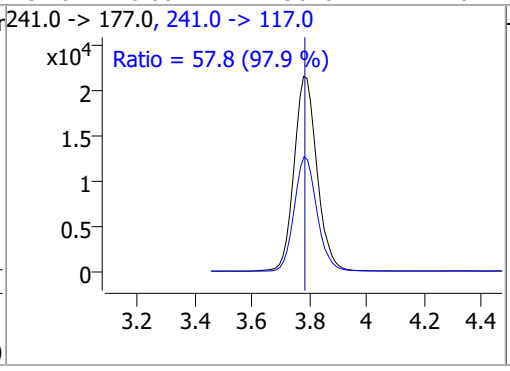


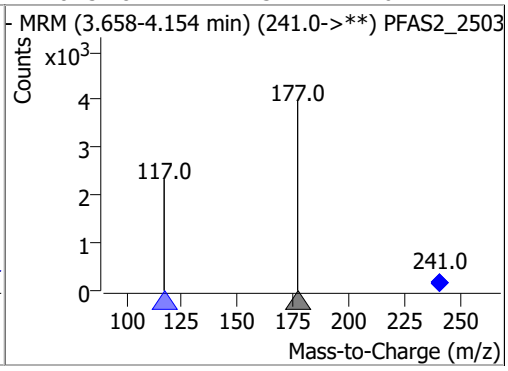
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	80.2188	3.61	0.00	1558946				



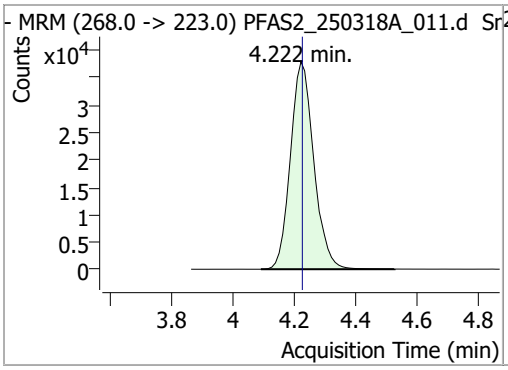
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	158.1200	3.78	0.00	119020	241.0 -> 117.0	57.8	41.3	76.7

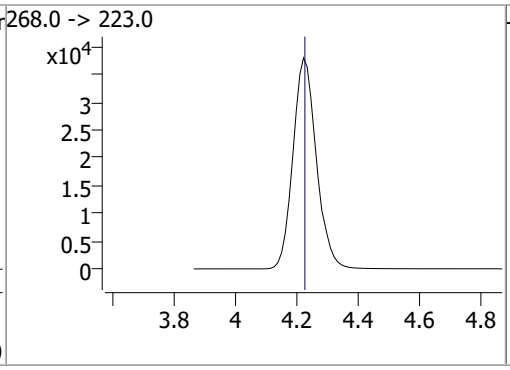


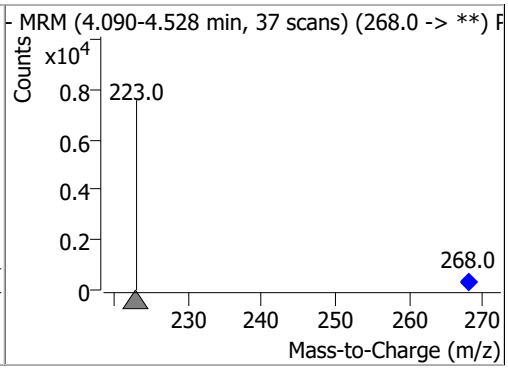




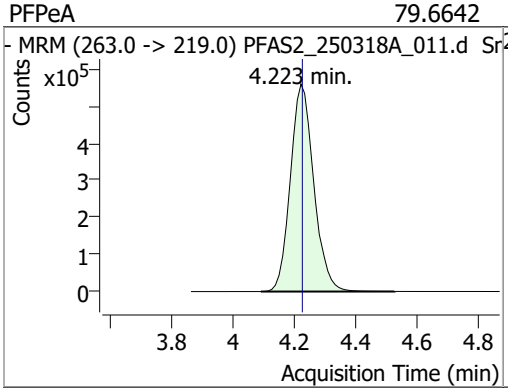
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8630	4.22	0.00	201293				

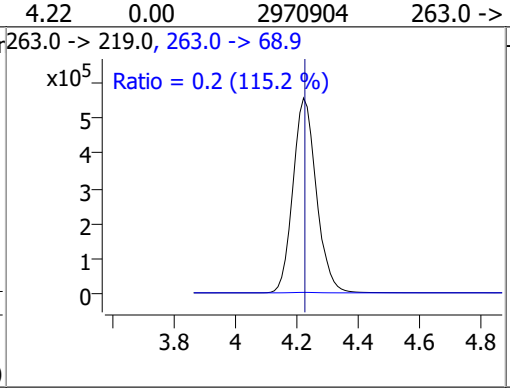


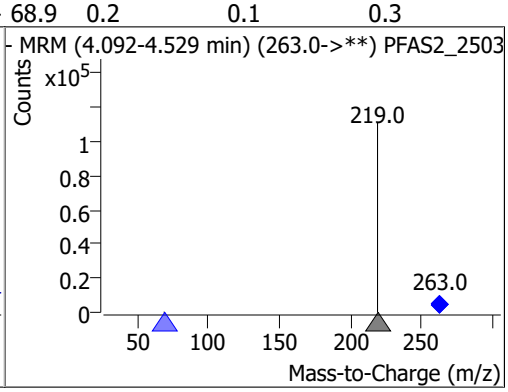




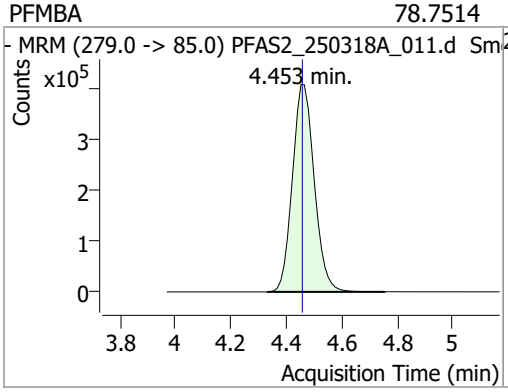
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	79.6642	4.22	0.00	2970904	263.0 -> 68.9	0.2	0.1	0.3

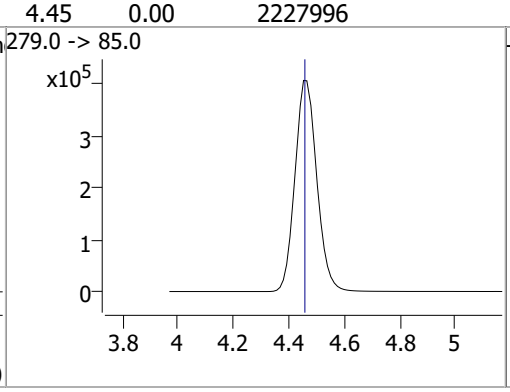


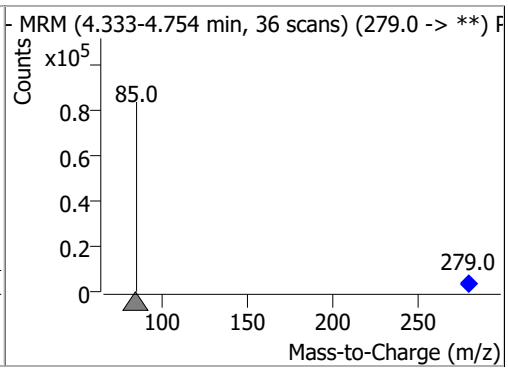




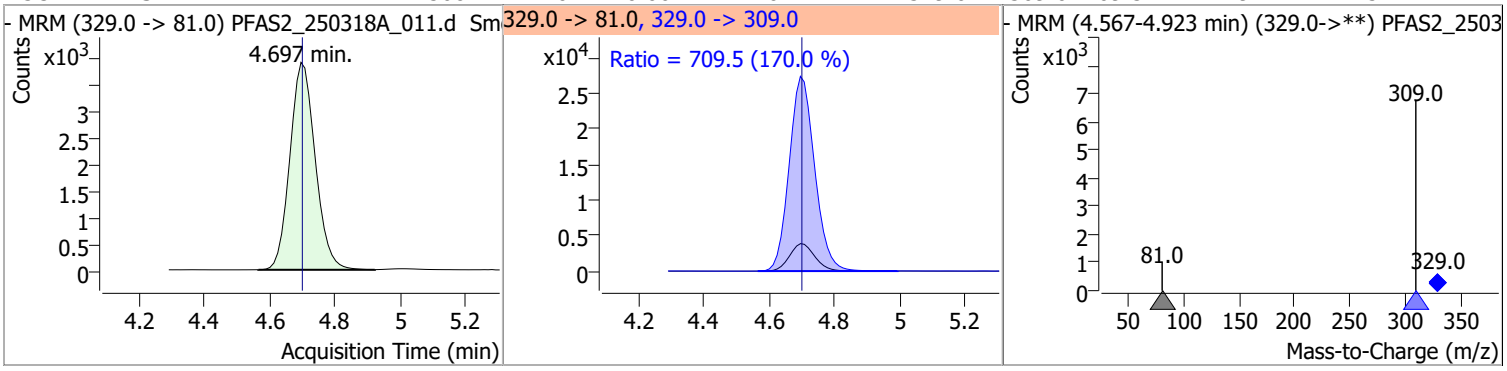
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	78.7514	4.45	0.00	2227996				



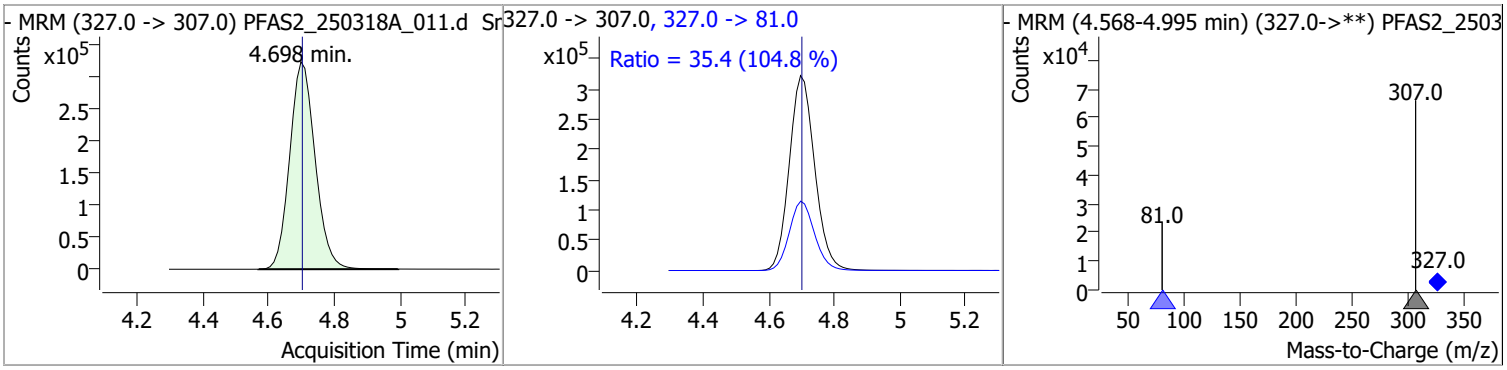




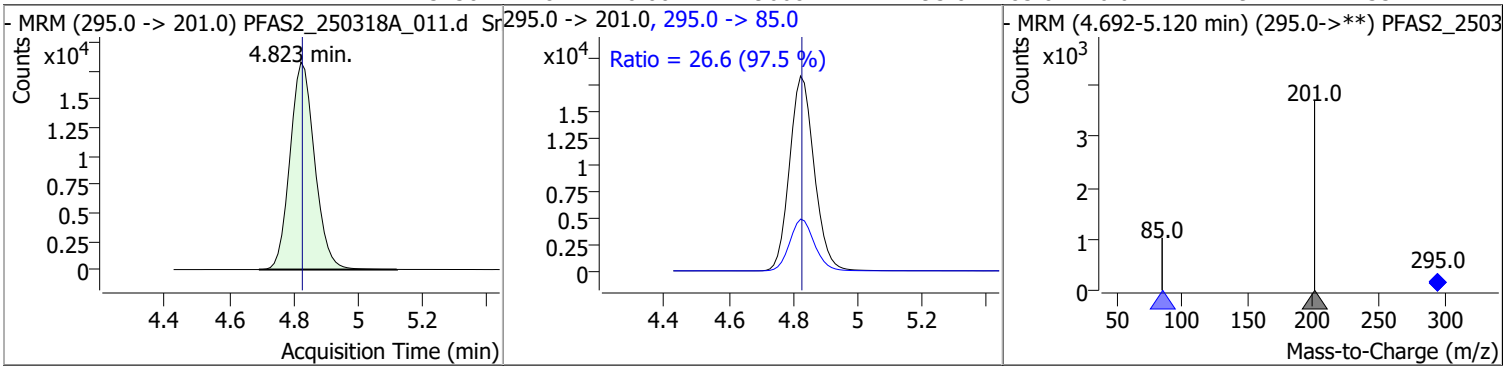
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1508	4.70	0.00	20777	329.0 -> 309.0	709.5	292.1	542.4



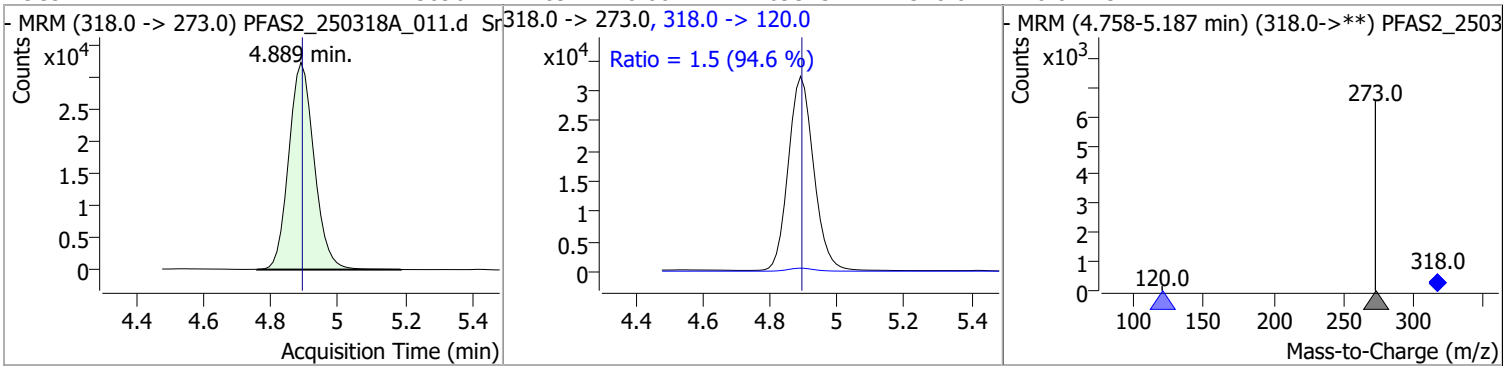
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	137.2859	4.70	0.00	1733603	327.0 -> 81.0	35.4	23.6	43.9



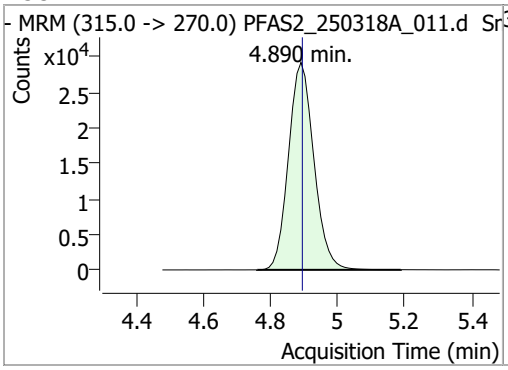
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	77.5250	4.82	0.00	96687	295.0 -> 85.0	26.6	19.1	35.4

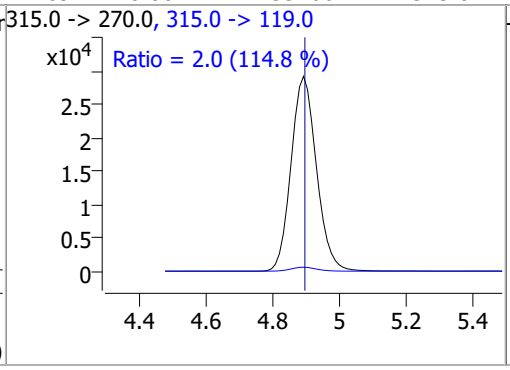


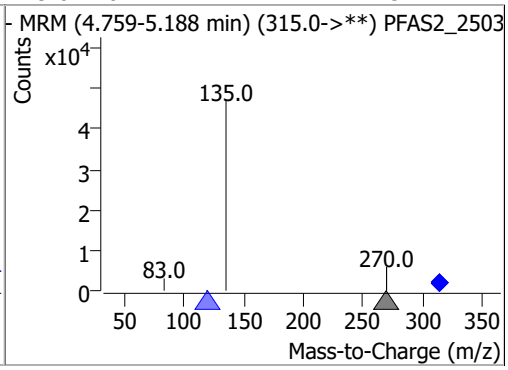
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5096	4.89	0.00	169575	318.0 -> 120.0	1.5	1.1	2.1



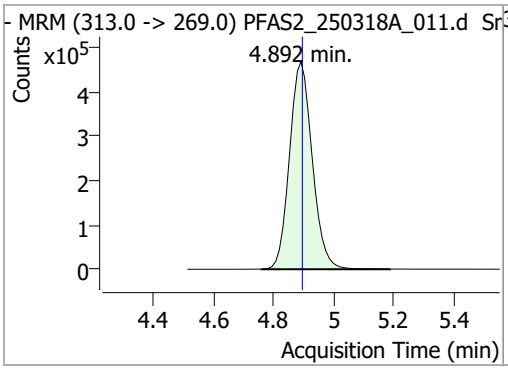
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	153466	315.0 -> 119.0	2.0	1.2	2.3

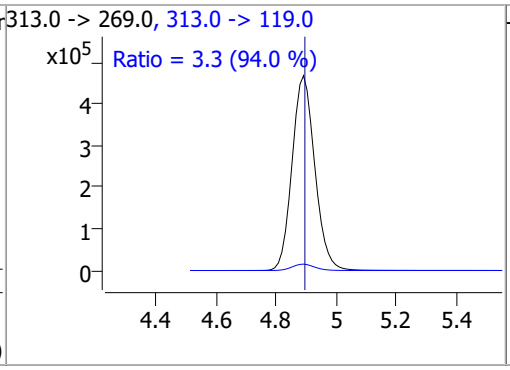


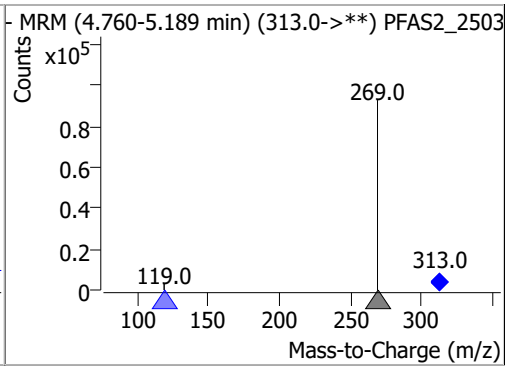




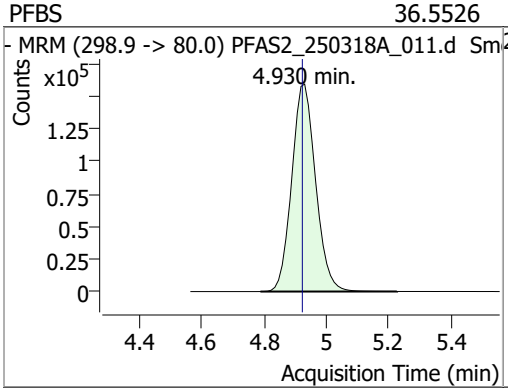
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	40.5584	4.89	0.00	2461066	313.0 -> 119.0	3.3	2.4	4.5

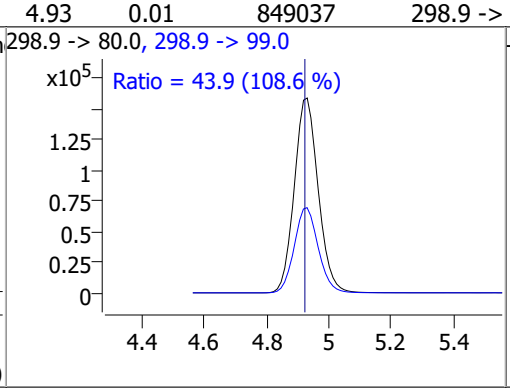


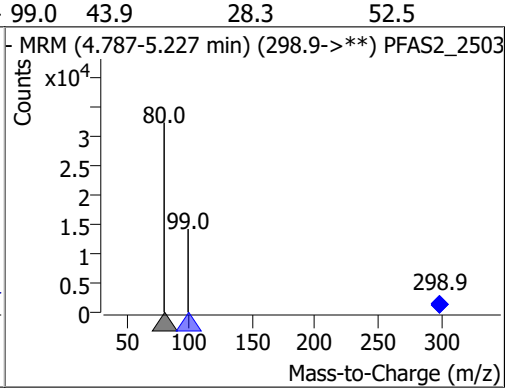




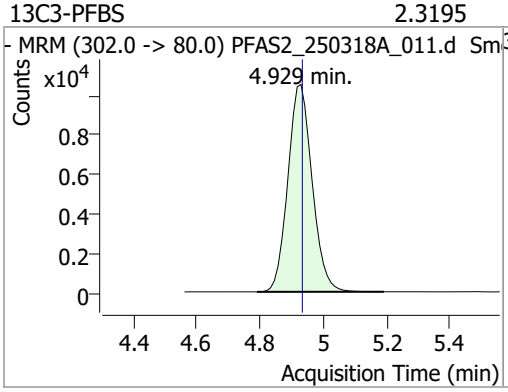
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	36.5526	4.93	0.01	849037	298.9 -> 99.0	43.9	28.3	52.5

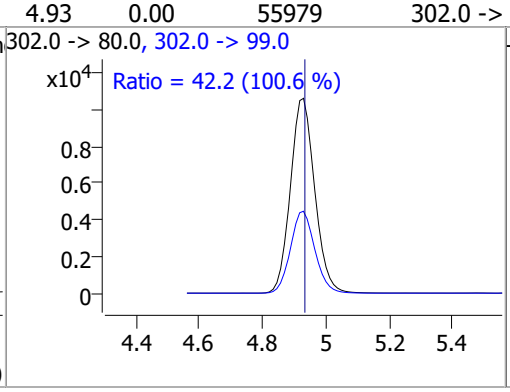


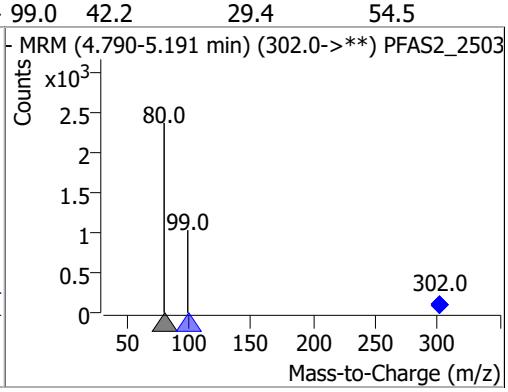




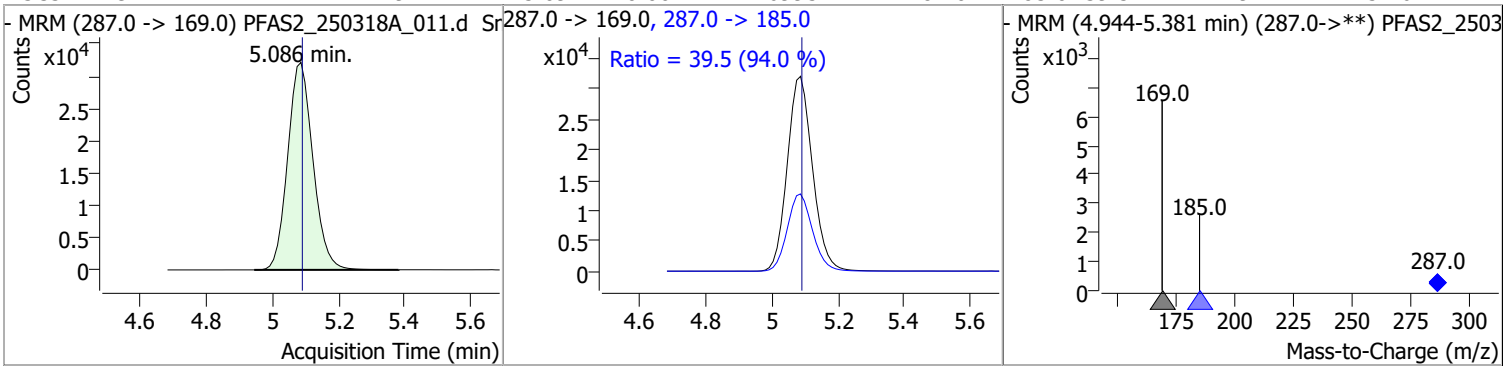
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3195	4.93	0.00	55979	302.0 -> 99.0	42.2	29.4	54.5



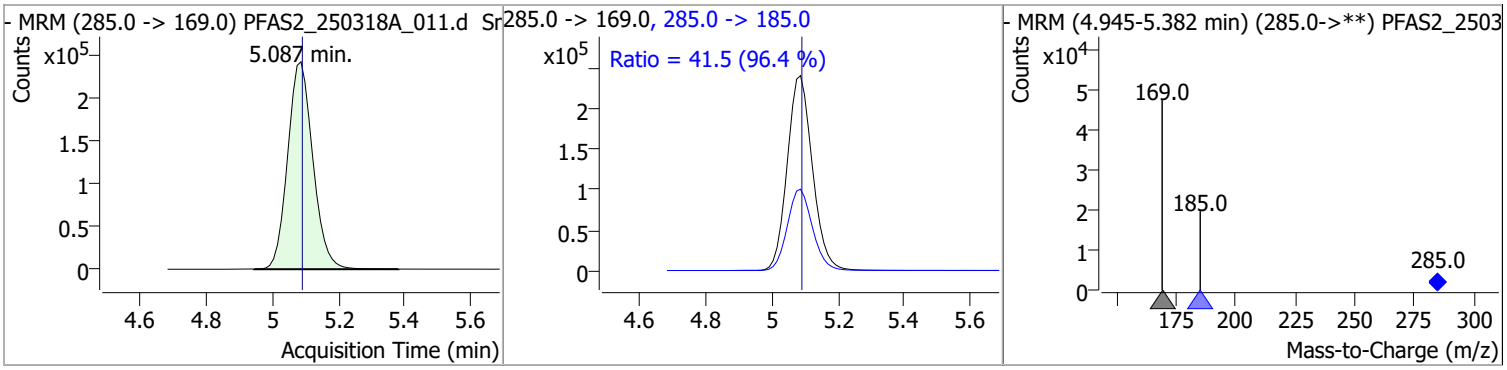




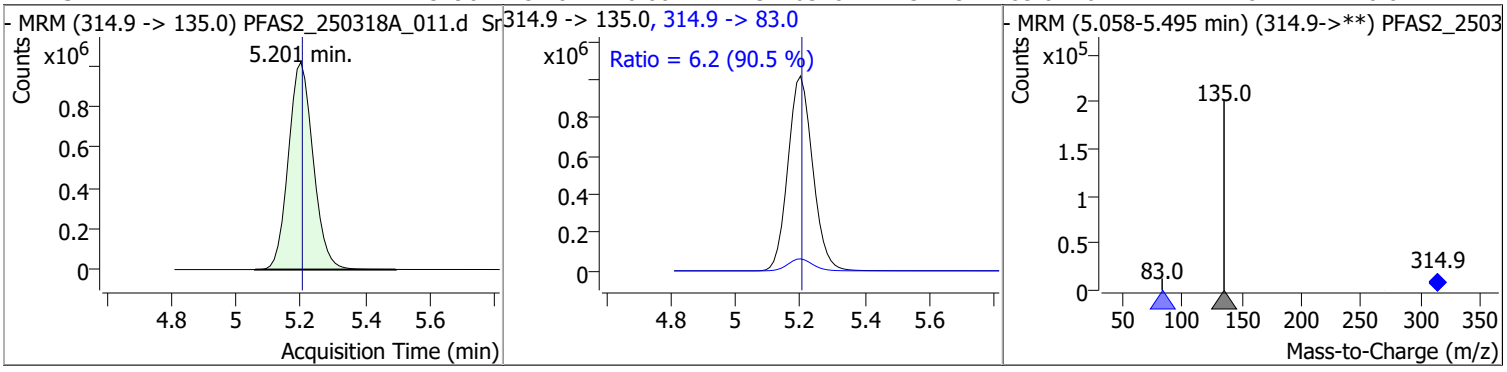
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7212	5.09	0.00	169952	287.0 -> 185.0	39.5	29.4	54.6



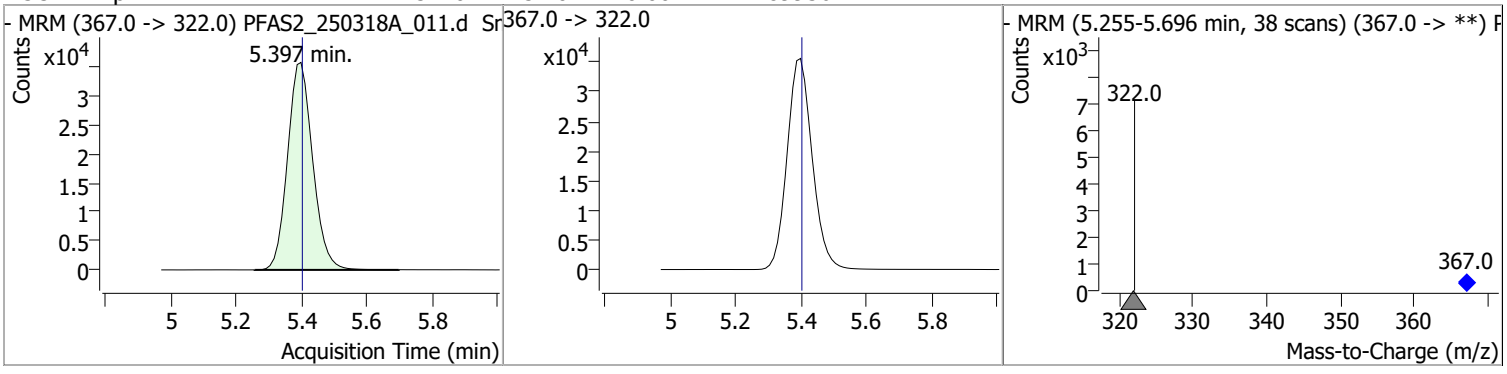
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	84.6317	5.09	0.00	1276109	285.0 -> 185.0	41.5	30.1	56.0



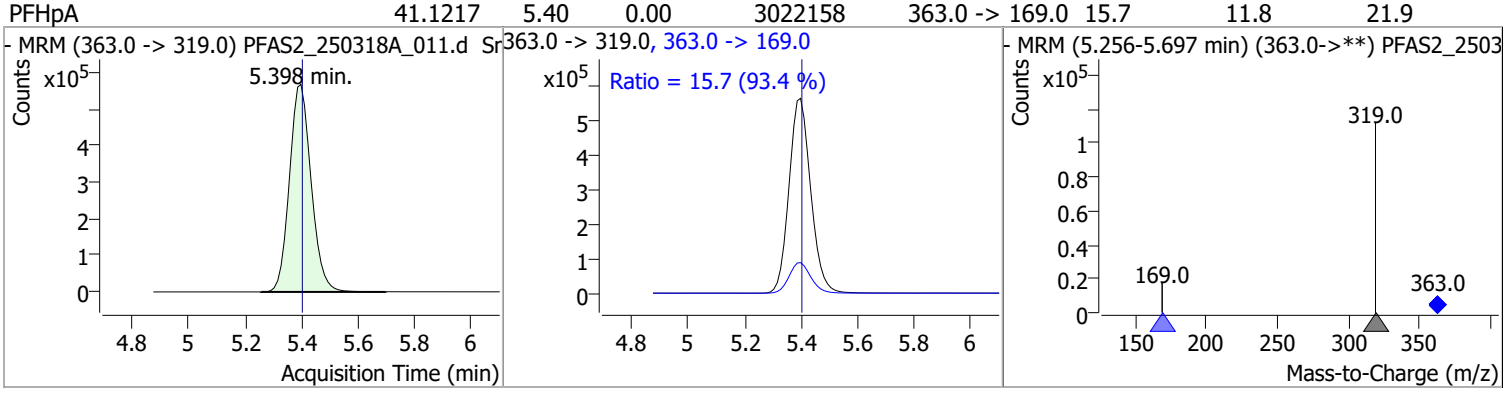
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	72.5190	5.20	0.00	5446528	314.9 -> 83.0	6.2	4.8	8.8



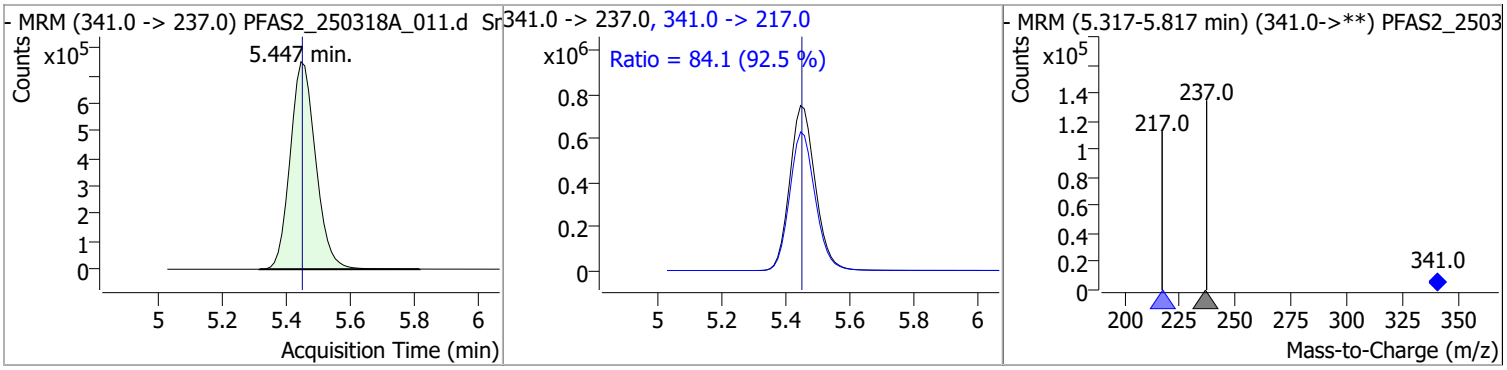
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5140	5.40	0.00	189936				



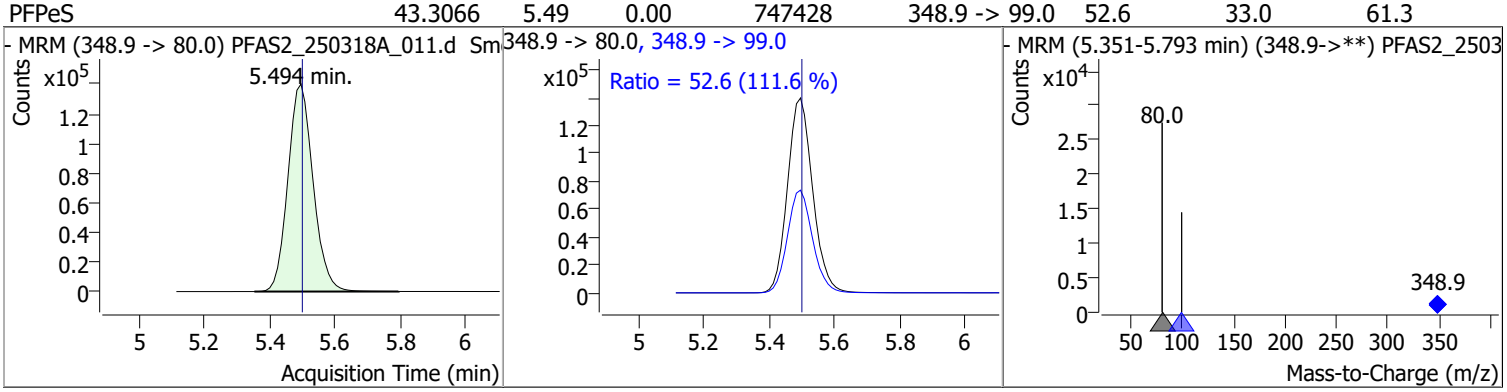
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	41.1217	5.40	0.00	3022158	363.0 -> 169.0	15.7	11.8	21.9



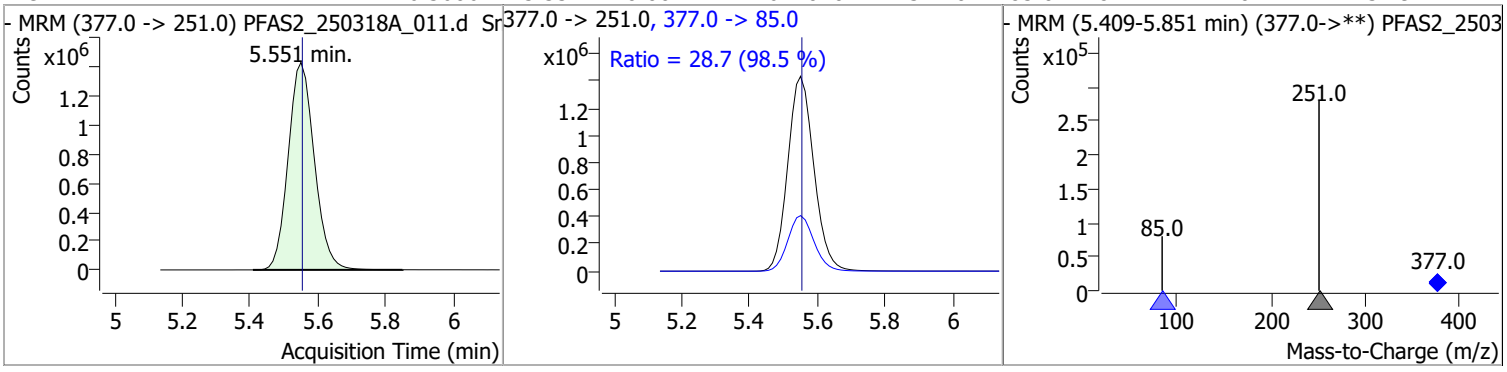
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	808.6187	5.45	0.00	4143979	341.0 -> 217.0	84.1	63.6	118.1



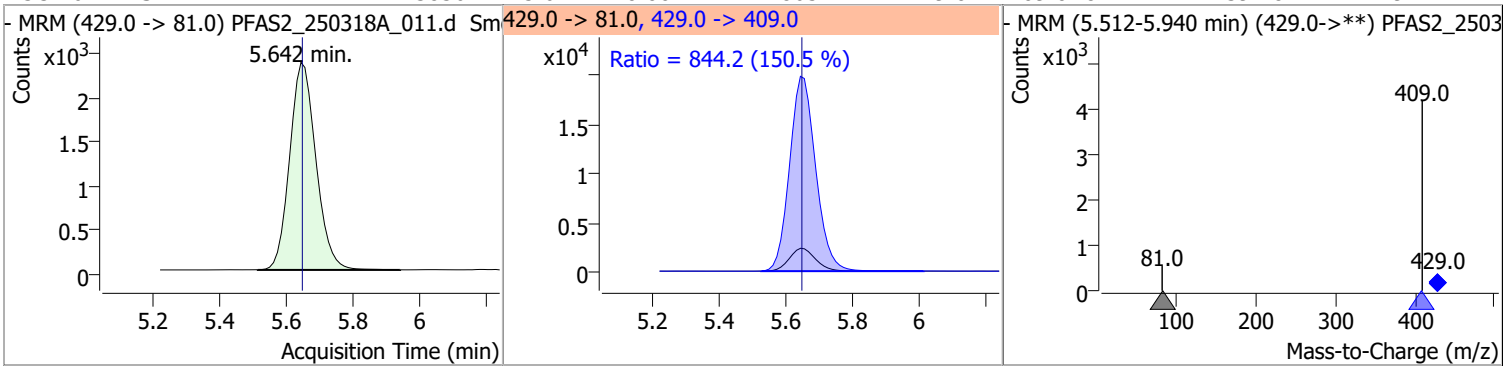
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	43.3066	5.49	0.00	747428	348.9 -> 99.0	52.6	33.0	61.3



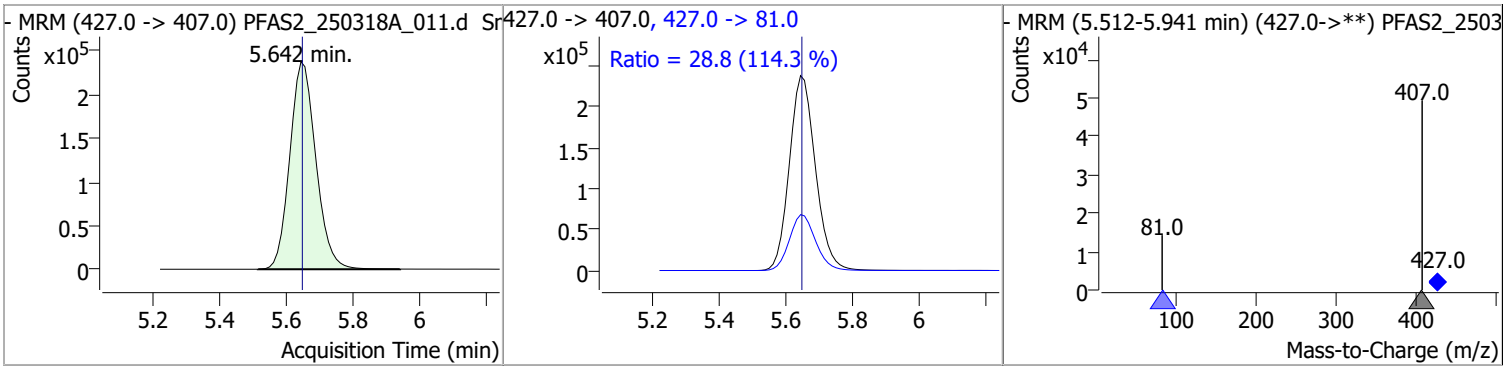
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	76.3606	5.55	0.00	7672020	377.0 -> 85.0	28.7	20.4	37.9



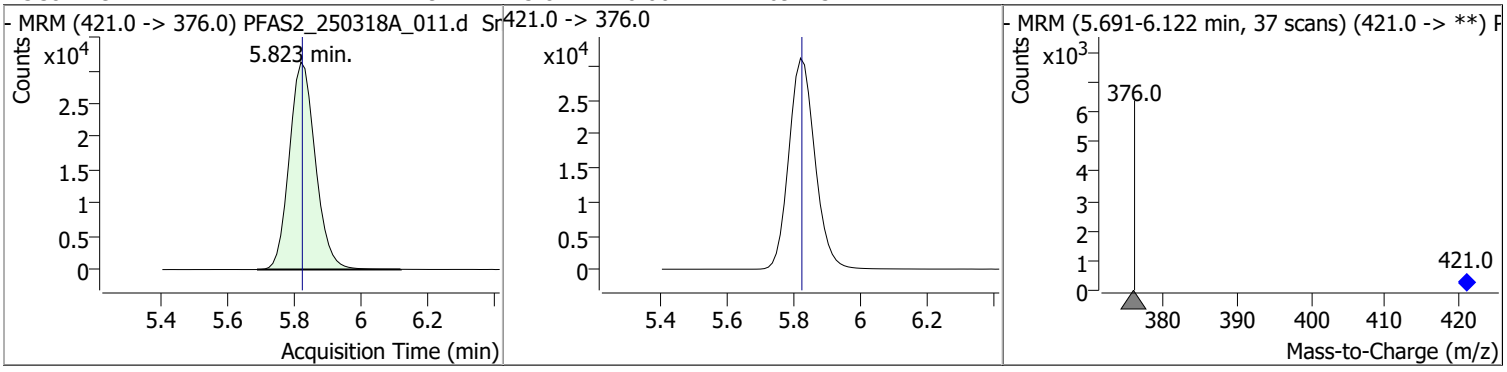
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.3836	5.64	0.00	12865	429.0 -> 409.0	844.2	392.8	729.4



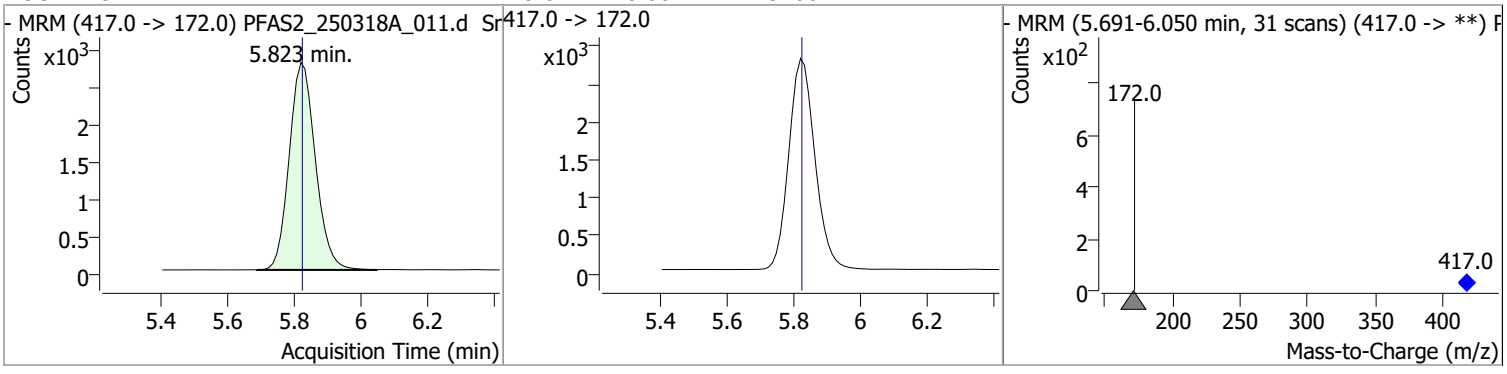
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	158.6675	5.64	0.00	1296203	427.0 -> 81.0	28.8	17.7	32.8



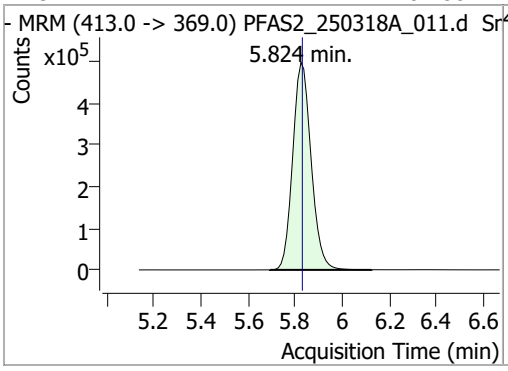
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4947	5.82	0.00	169125				

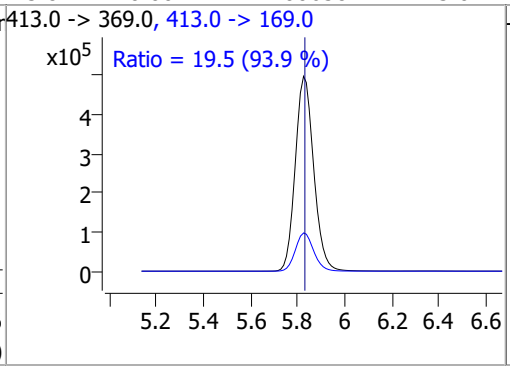


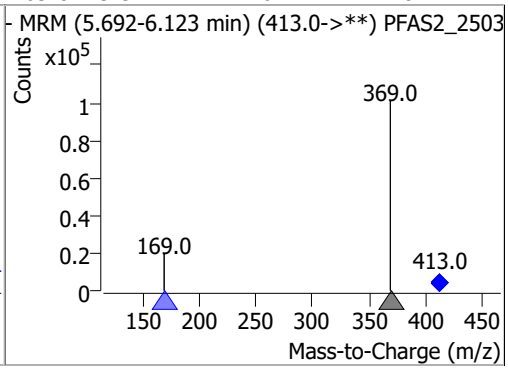
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.00	15160				



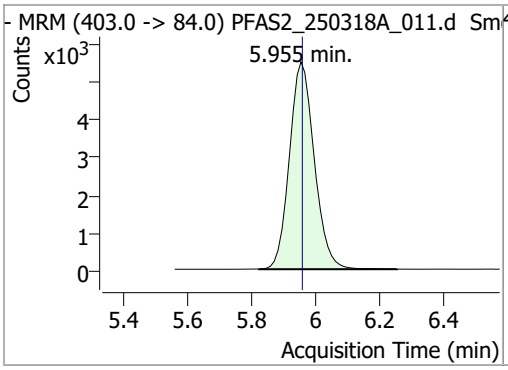
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	40.2881	5.82	0.00	2700658	413.0 -> 169.0	19.5	14.6	27.0

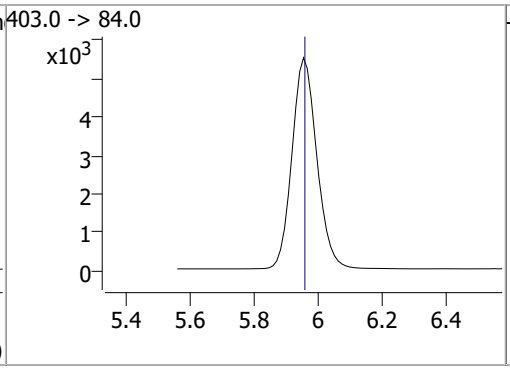


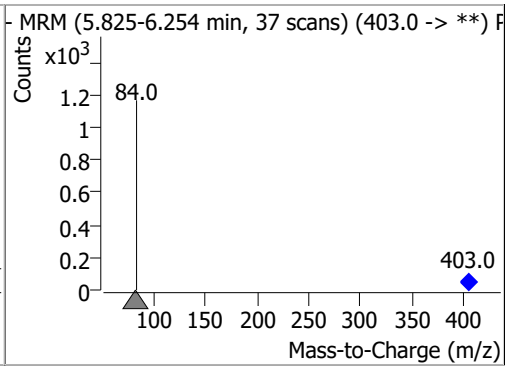




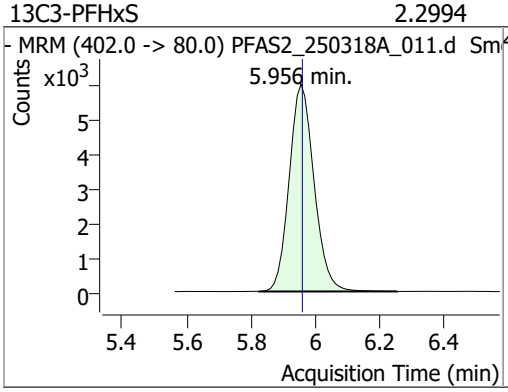
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.00	29472				

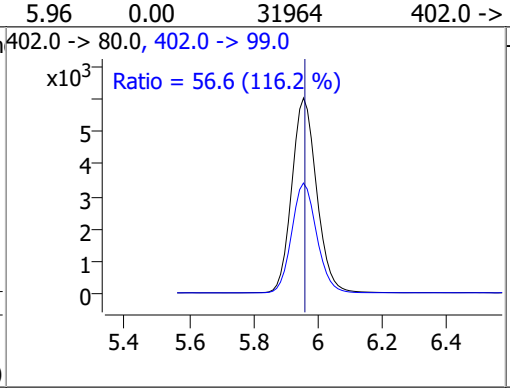


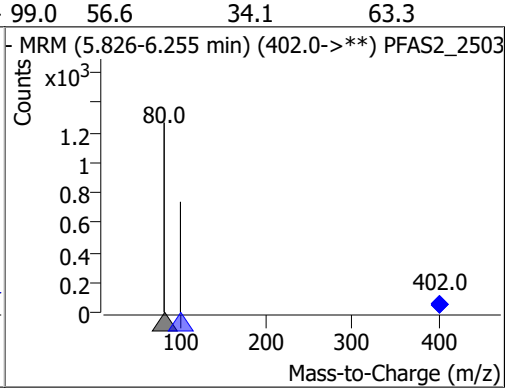




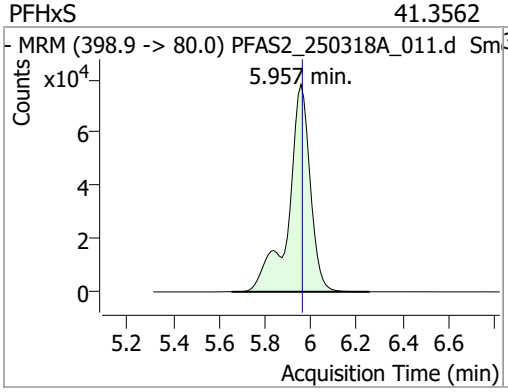
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.2994	5.96	0.00	31964	402.0 -> 99.0	56.6	34.1	63.3

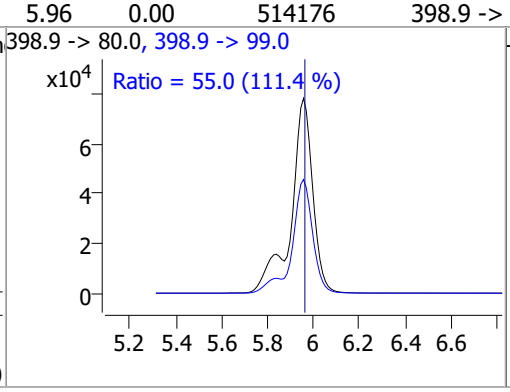


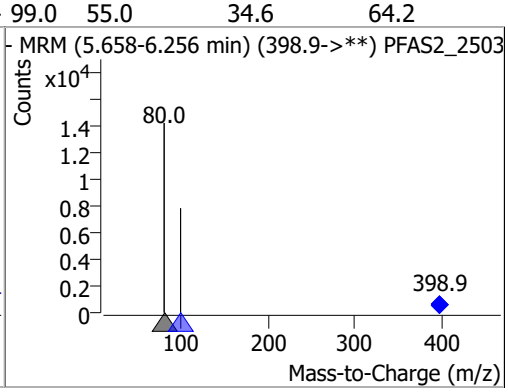




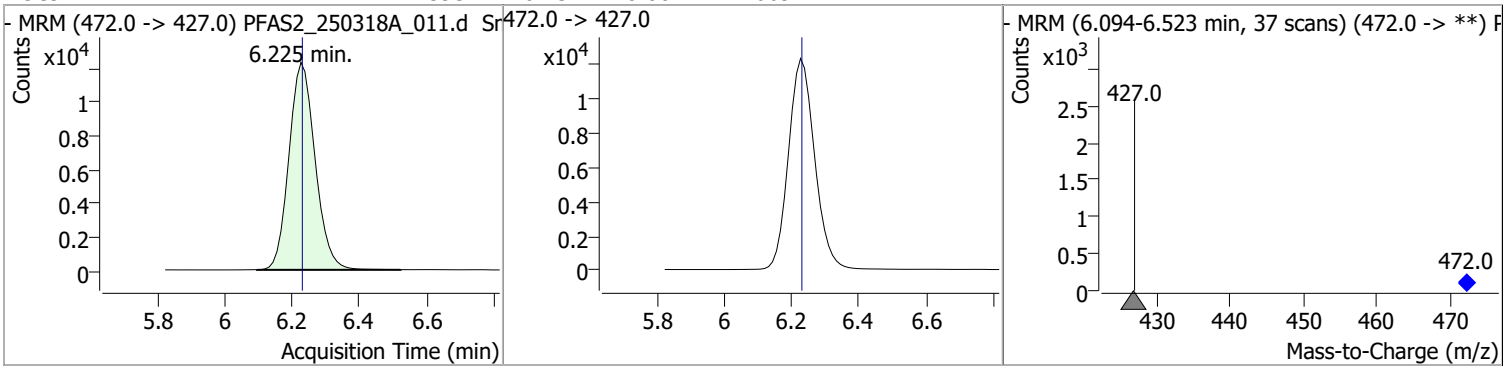
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	41.3562	5.96	0.00	514176	398.9 -> 99.0	55.0	34.6	64.2



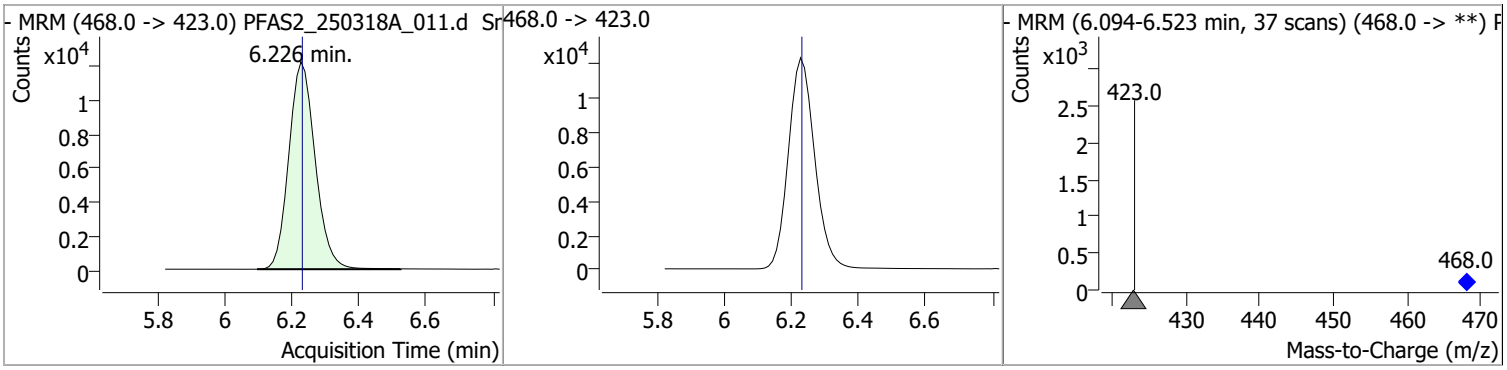




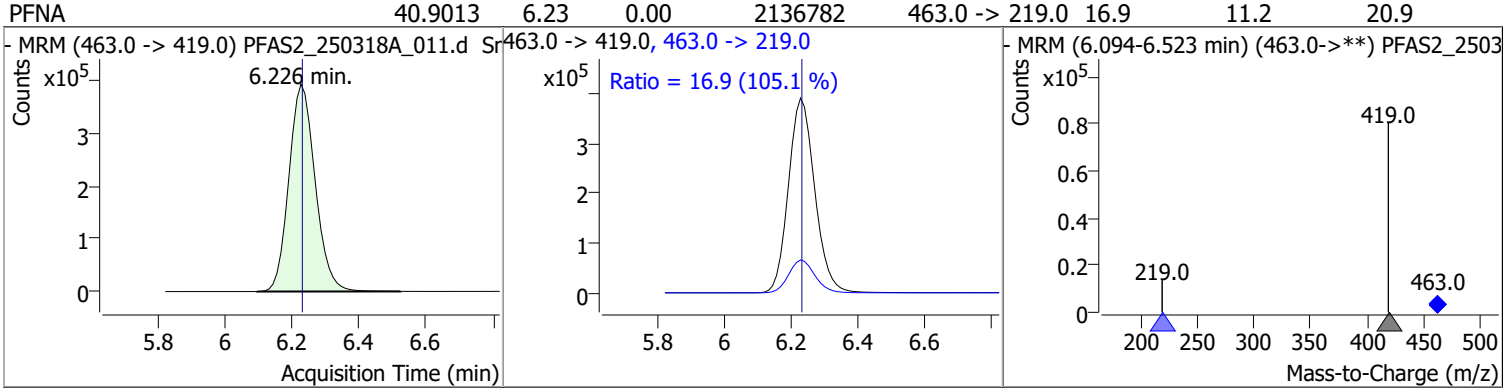
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2593	6.23	0.00	66922				



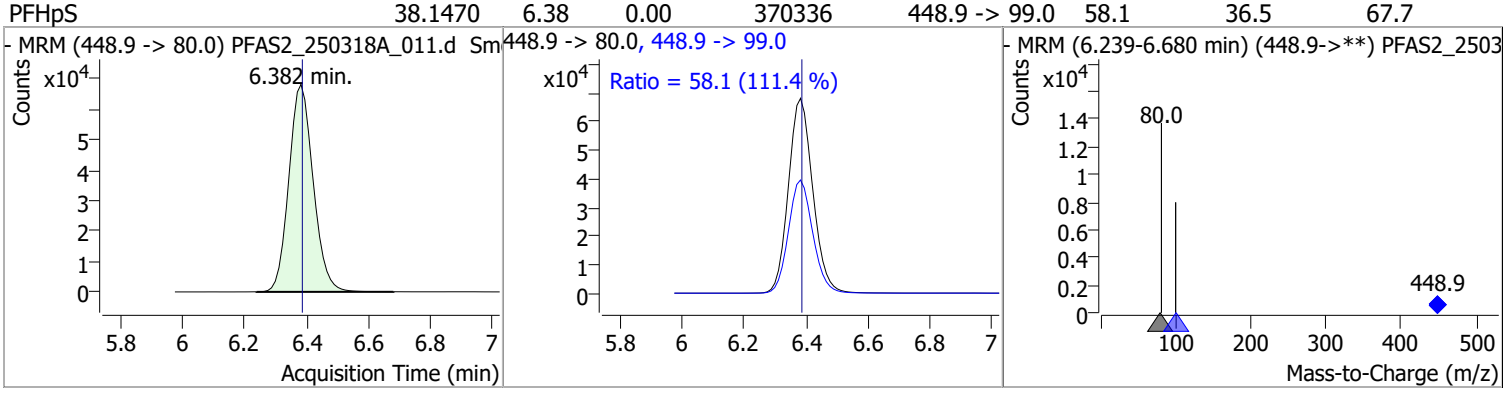
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	67063				



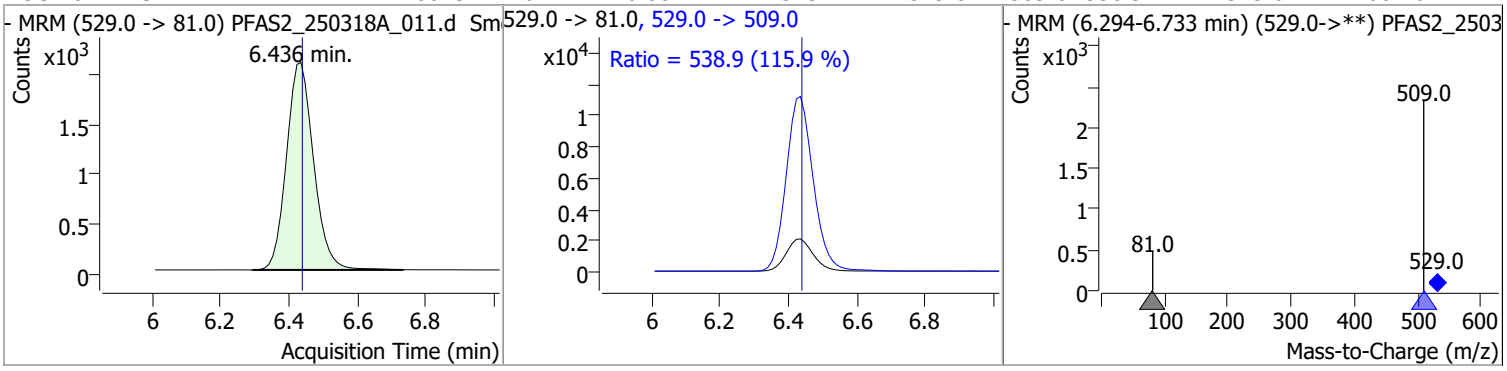
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	40.9013	6.23	0.00	2136782	463.0 -> 219.0	16.9	11.2	20.9



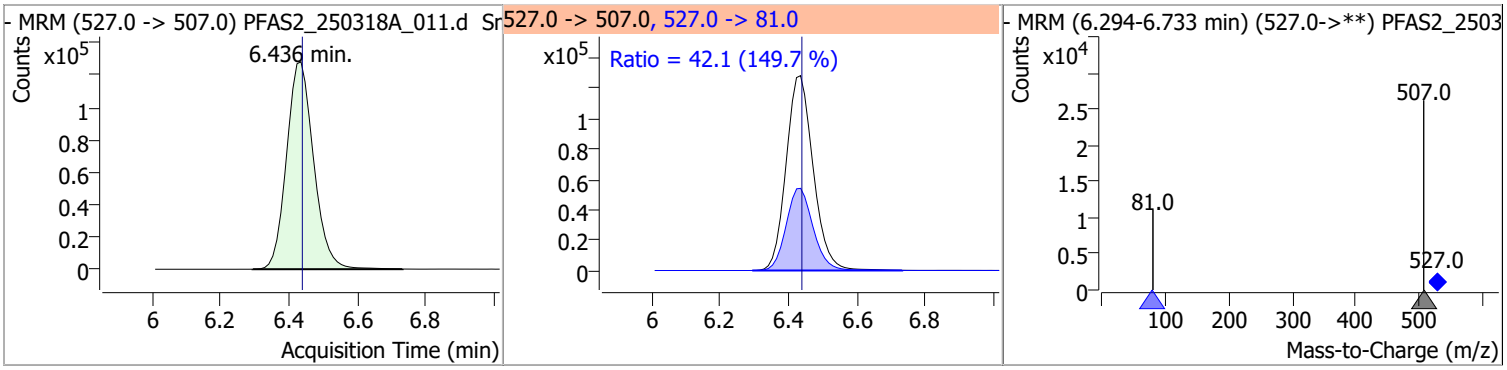
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	38.1470	6.38	0.00	370336	448.9 -> 99.0	58.1	36.5	67.7



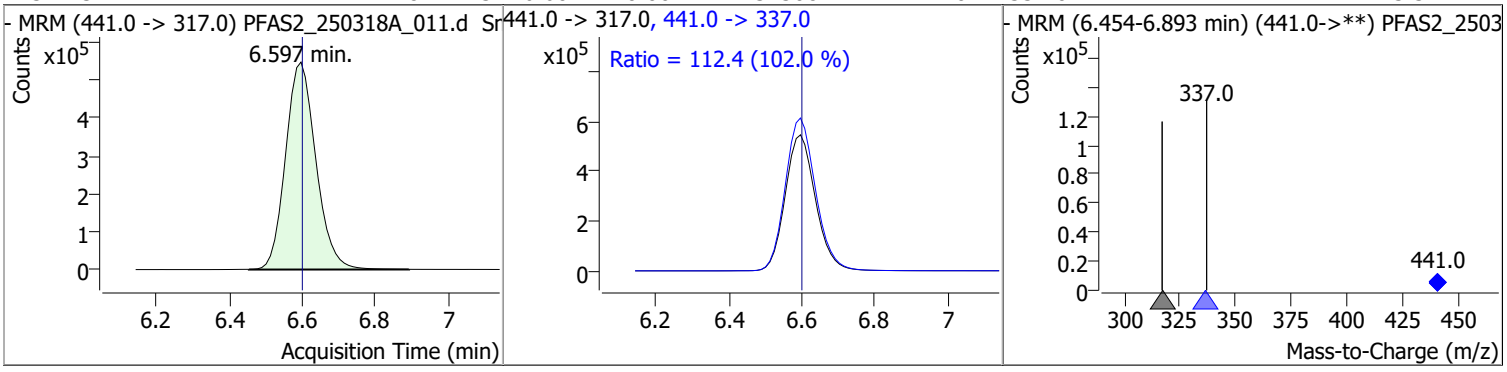
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8073	6.44	0.00	11343	529.0 -> 509.0	538.9	325.6	604.6



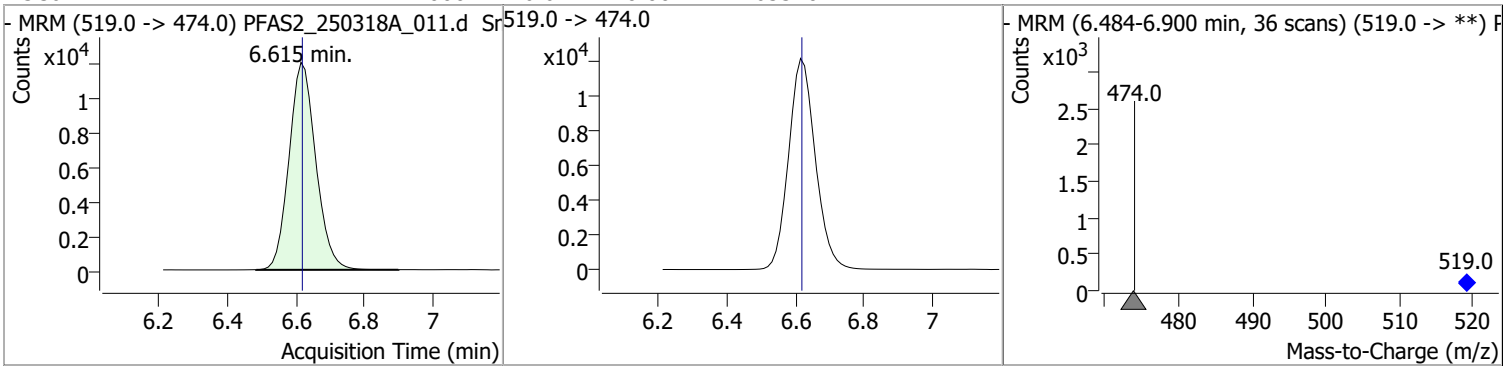
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	157.2676	6.44	0.00	704999	527.0 -> 81.0	42.1	19.7	36.6



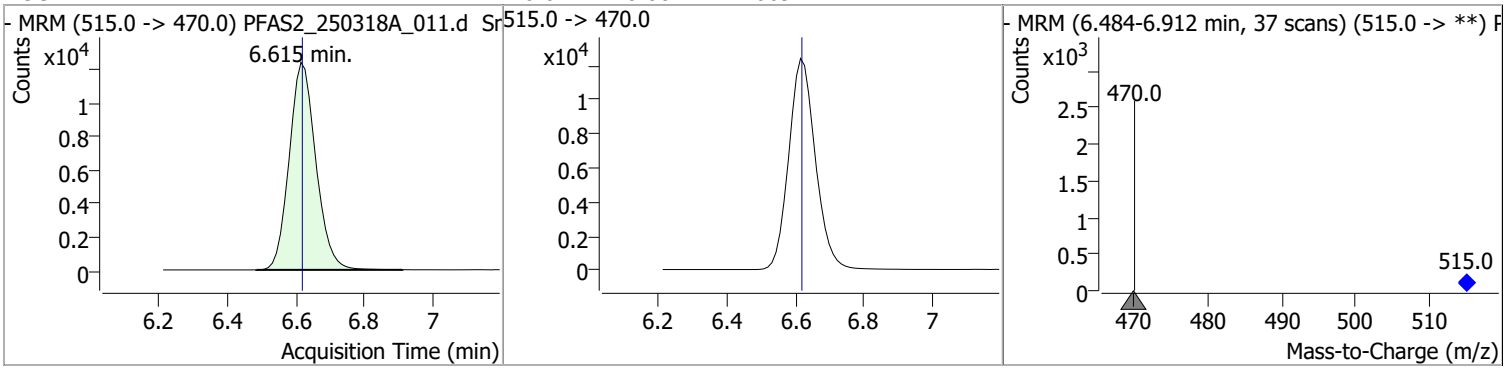
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	787.4113	6.60	0.00	3150872	441.0 -> 337.0	112.4	77.1	143.3



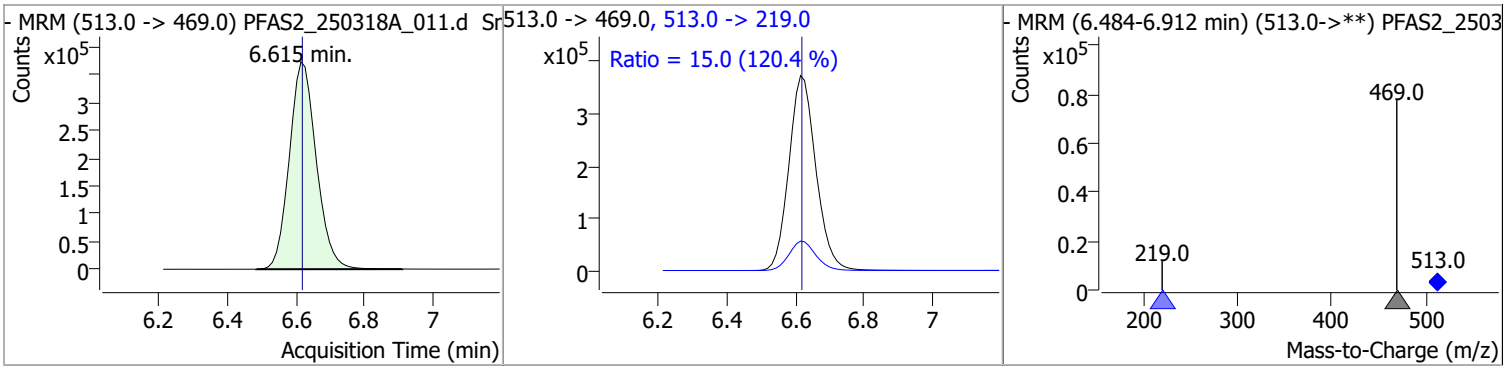
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2000	6.61	0.00	65340				



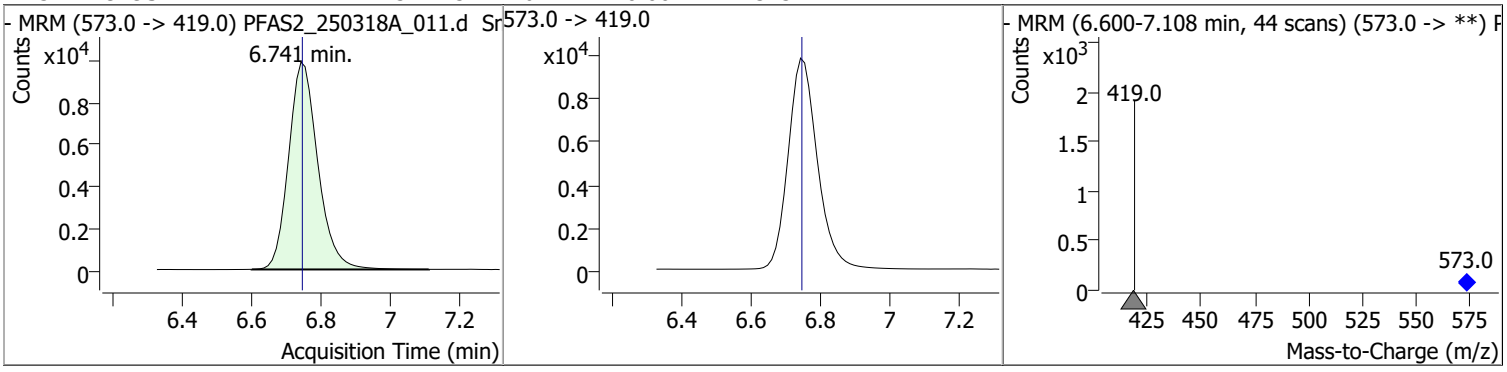
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	66912				



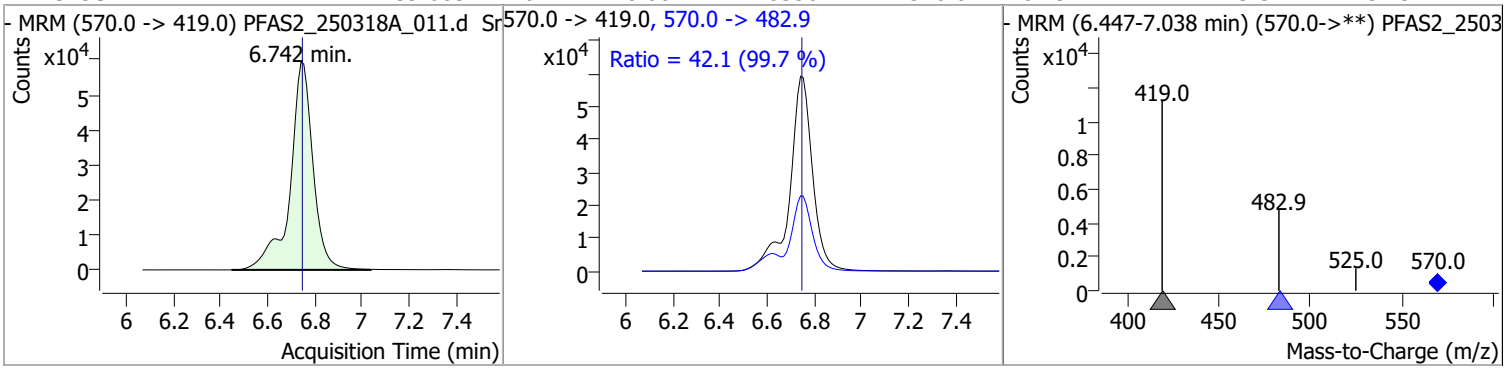
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	40.9154	6.62	0.00	2045915	513.0 -> 219.0	15.0	8.7	16.2



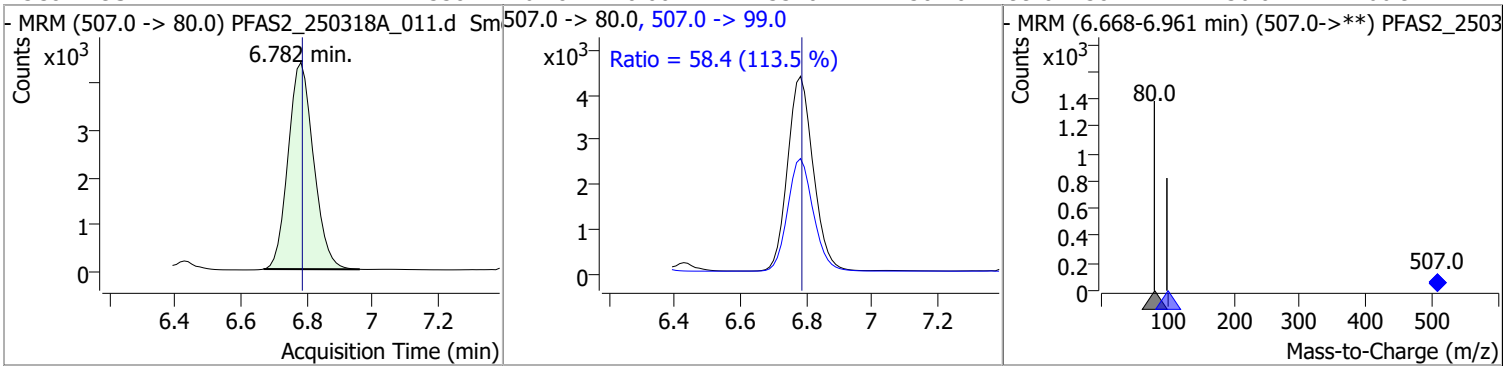
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.4275	6.74	0.00	57544				



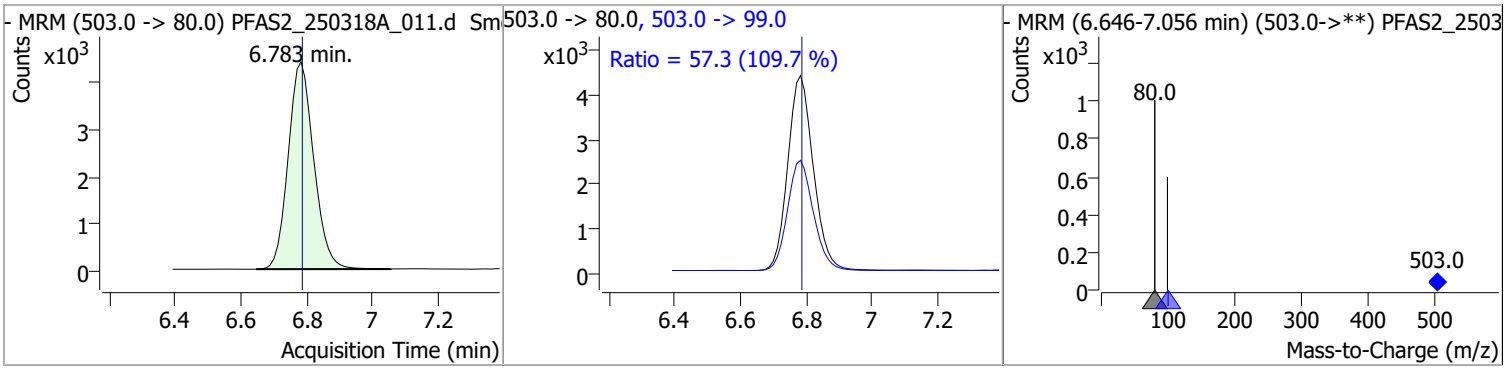
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	39.6831	6.74	0.00	403302	570.0 -> 482.9	42.1	29.5	54.9



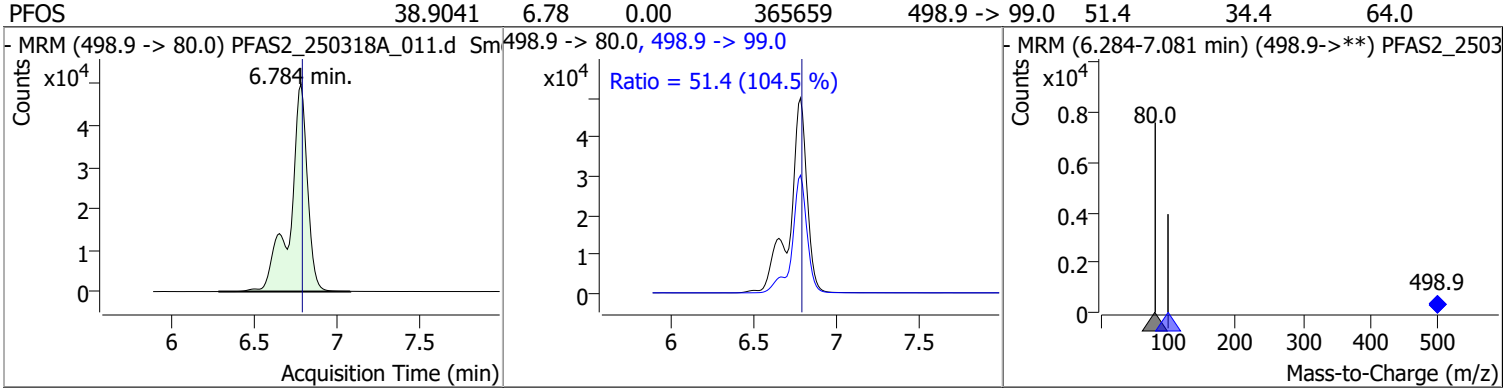
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4338	6.78	0.00	23340	507.0 -> 99.0	58.4	36.0	66.9



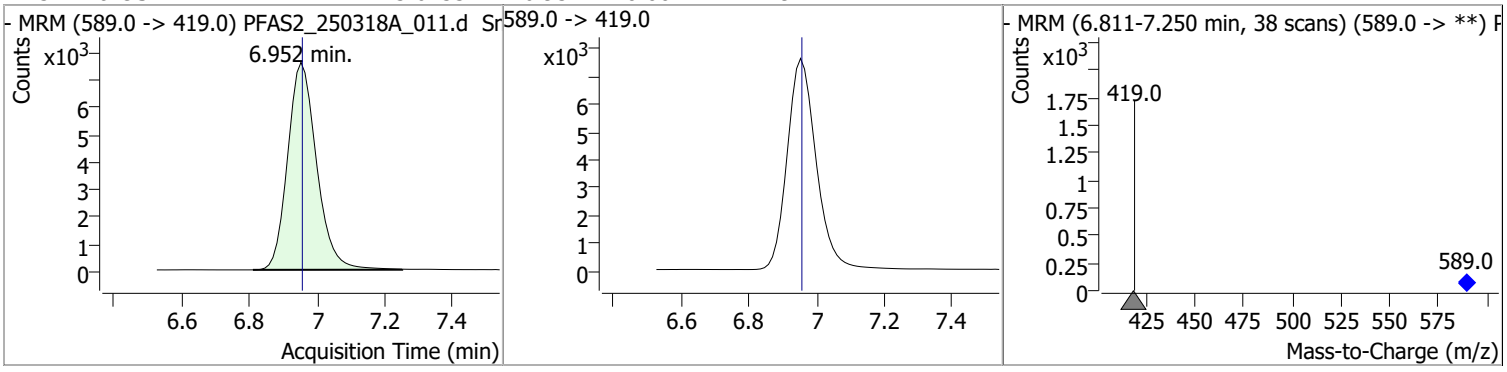
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	23629	503.0 -> 99.0	57.3	36.6	67.9



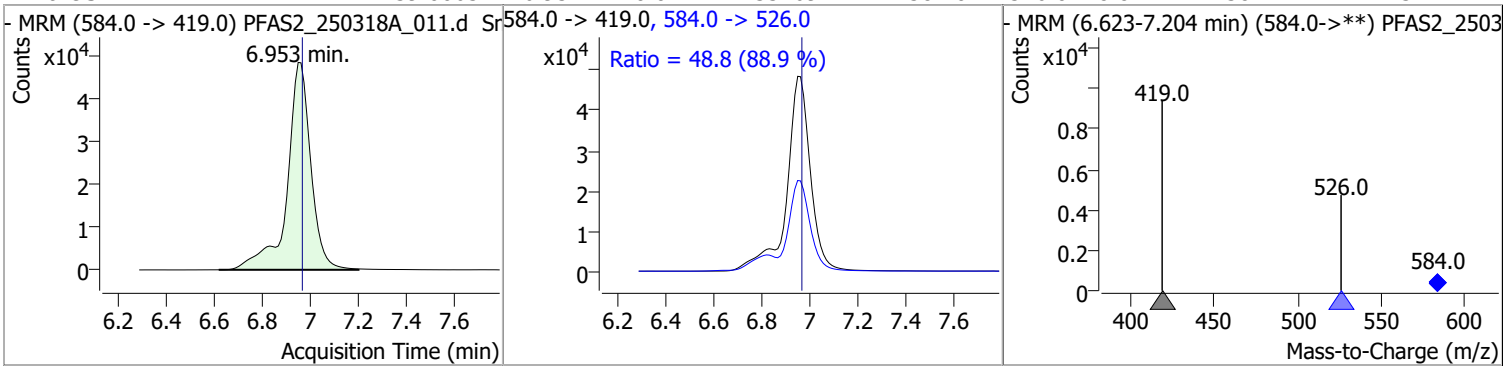
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	38.9041	6.78	0.00	365659	498.9 -> 99.0	51.4	34.4	64.0



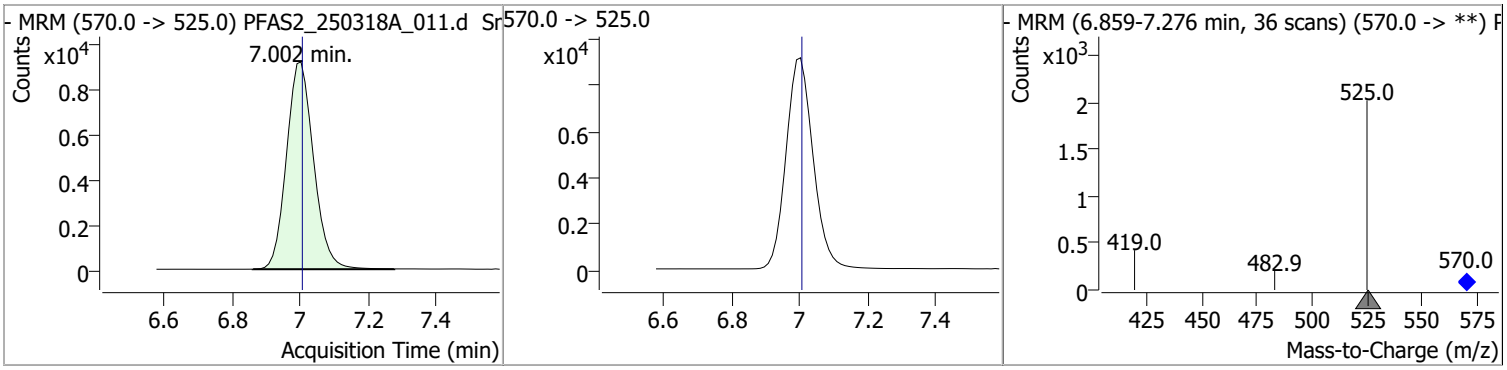
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.6153	6.95	0.00	44947				



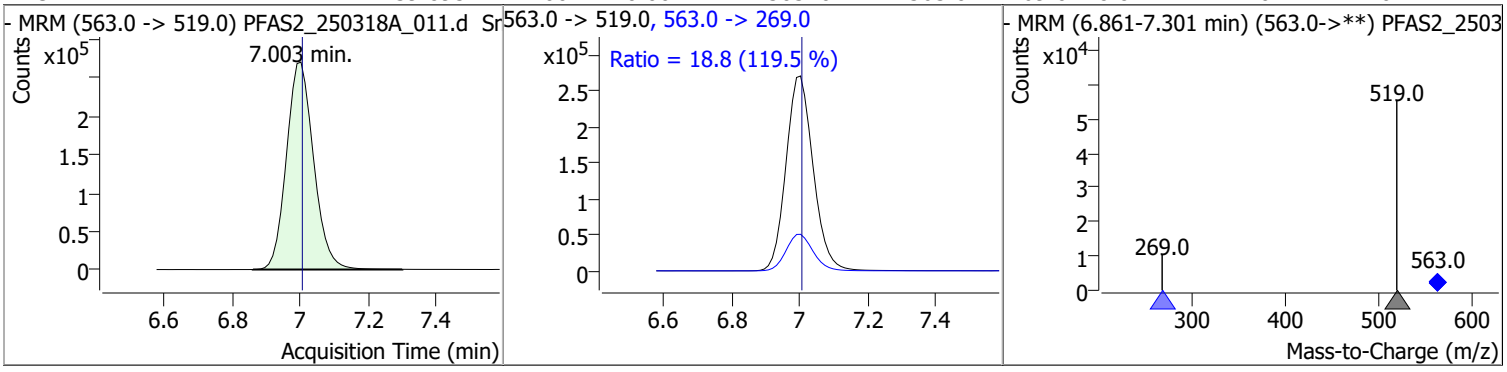
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	39.0063	6.95	-0.01	331691	584.0 -> 526.0	48.8	38.4	71.3



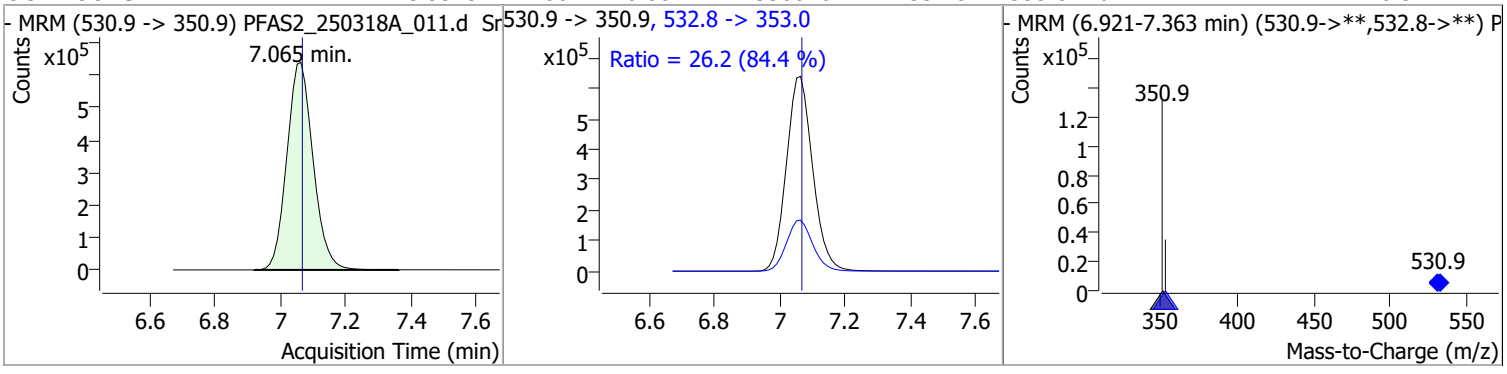
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1793	7.00	0.00	50607				



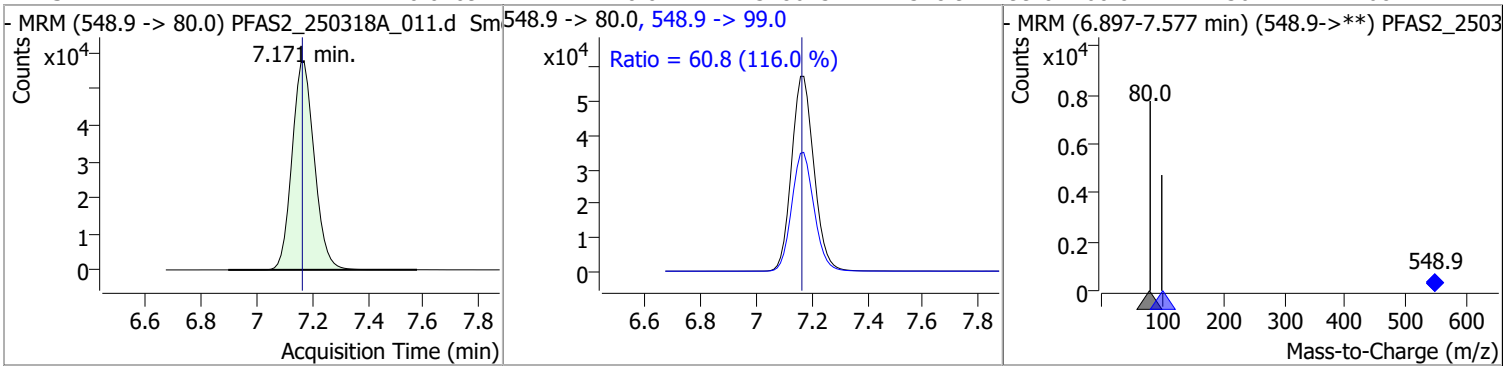
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	39.8954	7.00	0.00	1503402	563.0 -> 269.0	18.8	11.0	20.4



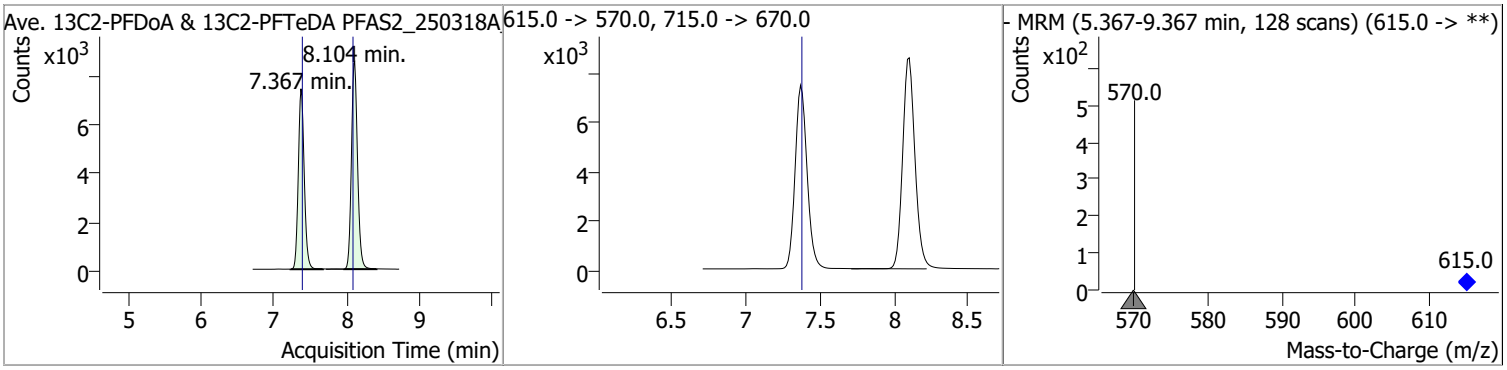
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	73.9919	7.06	0.00	3568467	532.8 -> 353.0	26.2	21.7	40.3



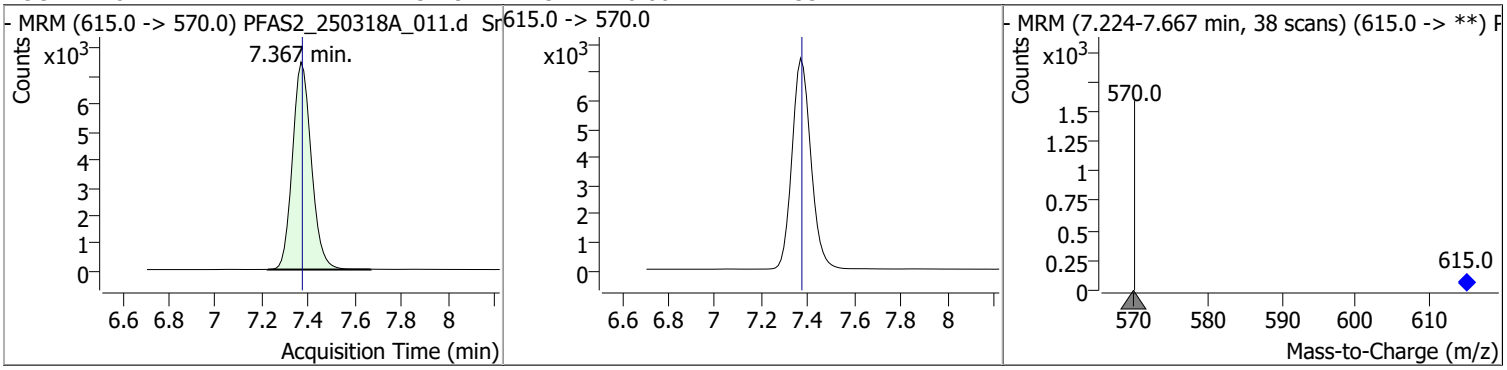
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	40.0209	7.17	0.01	318645	548.9 -> 99.0	60.8	36.7	68.1



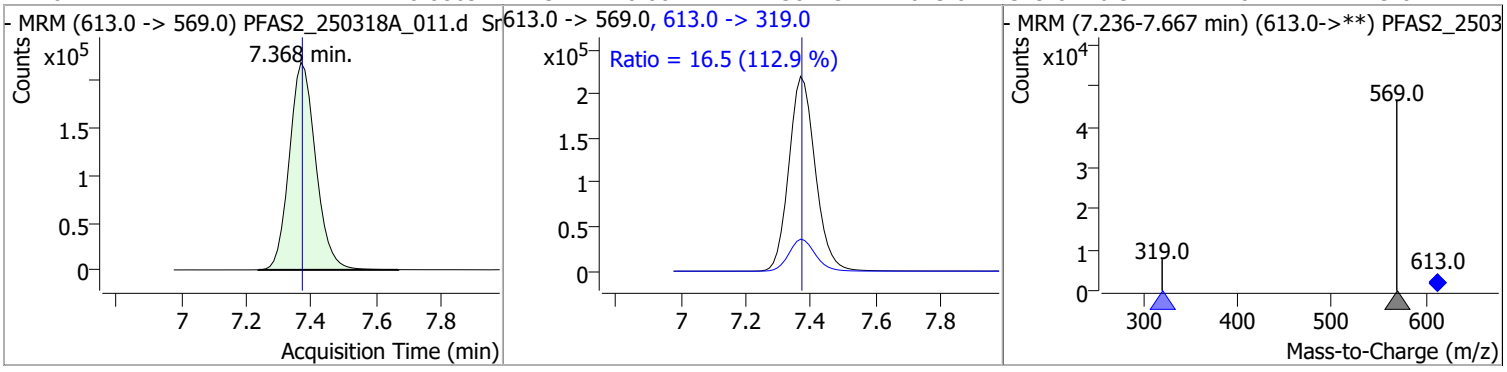
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3022	7.74	0.37	46056				



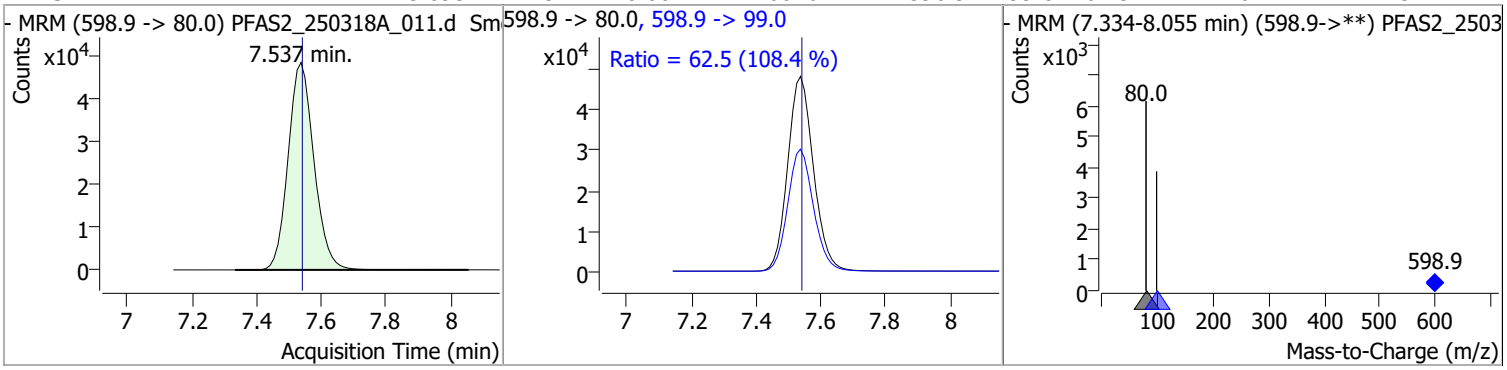
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3179	7.37	0.00	42135				



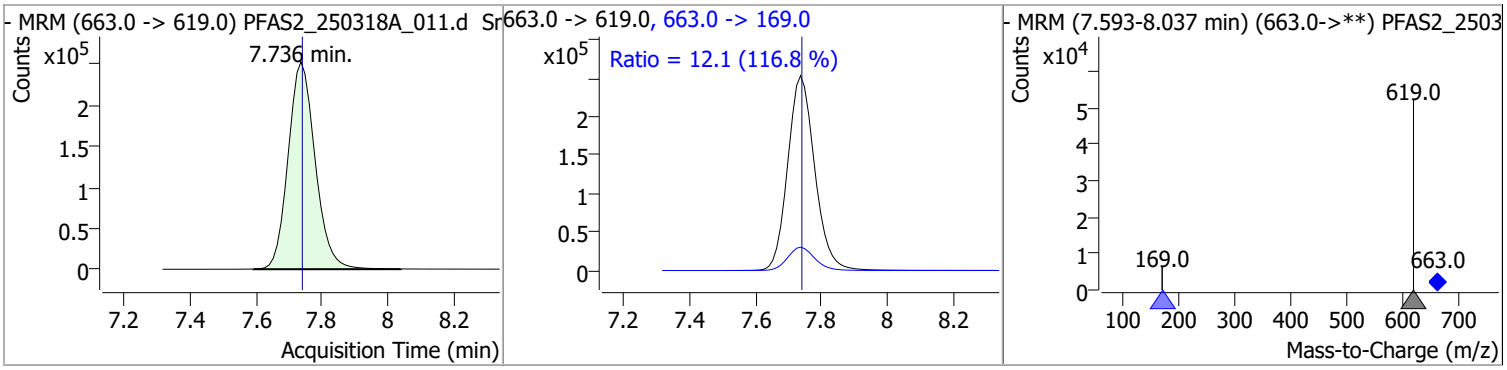
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	40.0869	7.37	0.00	1238213	613.0 -> 319.0	16.5	10.2	19.0



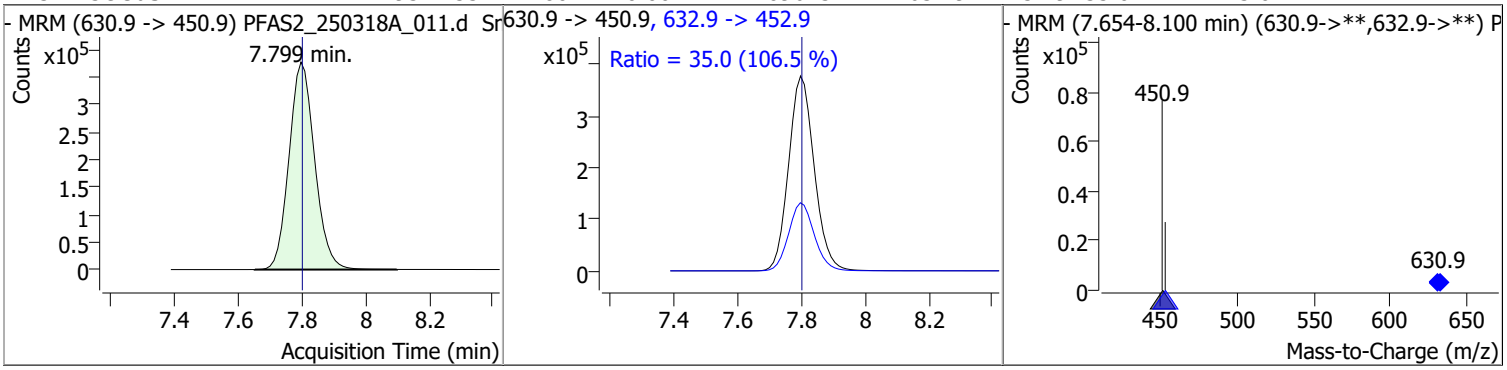
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	45.0932	7.54	0.00	268261	598.9 -> 99.0	62.5	40.4	74.9



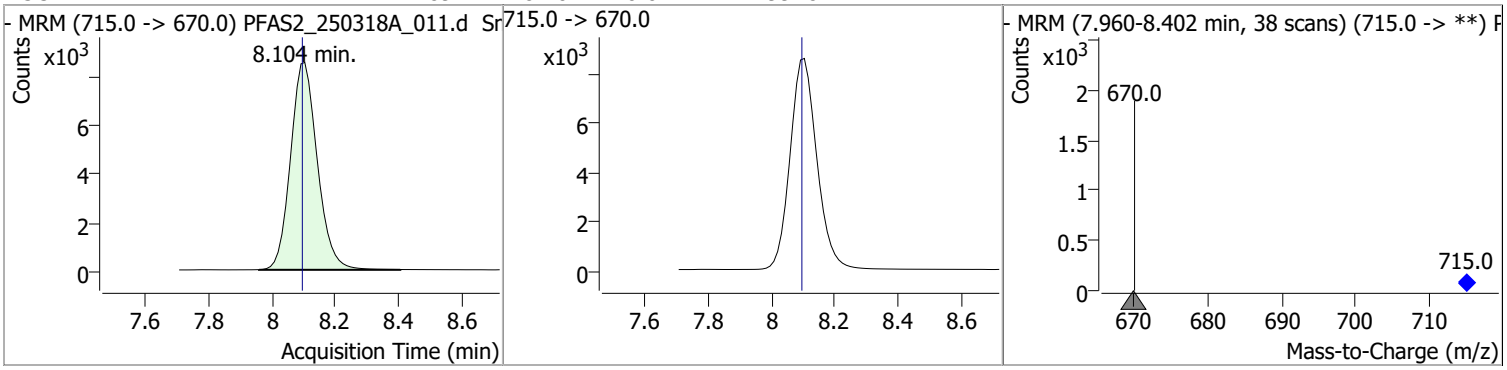
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	41.2234	7.74	0.00	1430537	663.0 -> 169.0	12.1	7.2	13.4



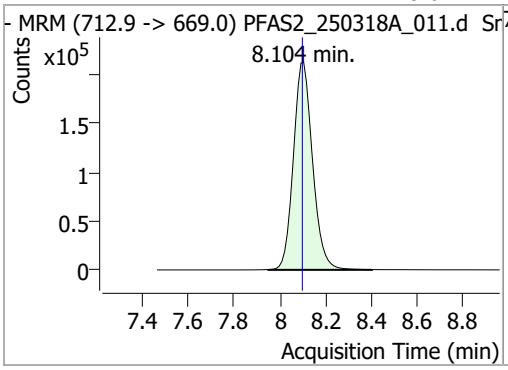
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	93.1153	7.80	0.00	2096137	632.9 -> 452.9	35.0	23.0	42.7

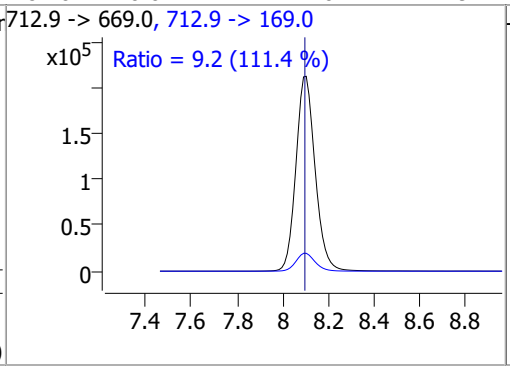


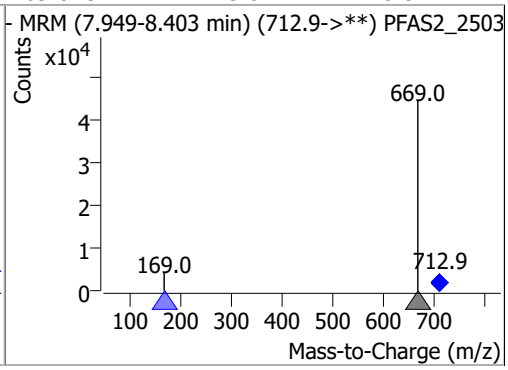
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2892	8.10	0.01	49978				



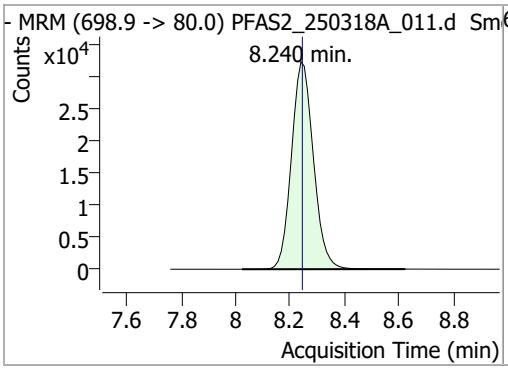
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	40.6214	8.10	0.01	1242704	712.9 -> 169.0	9.2	5.8	10.8

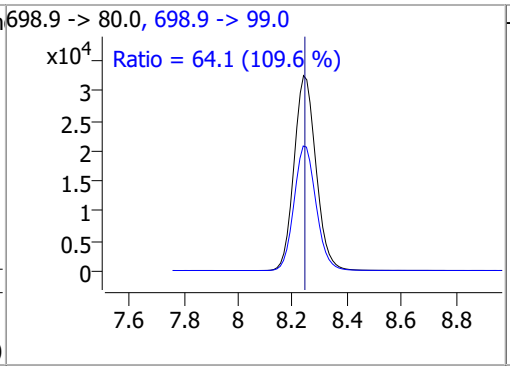


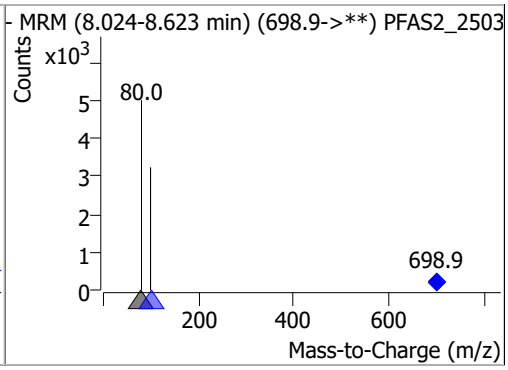




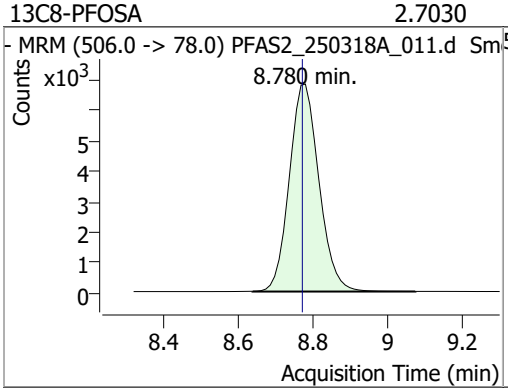
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	43.6535	8.24	0.00	181596	698.9 -> 99.0	64.1	41.0	76.1

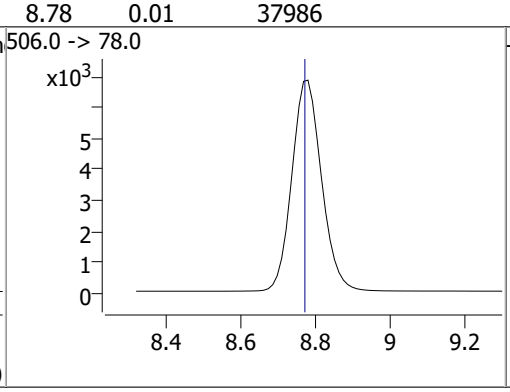


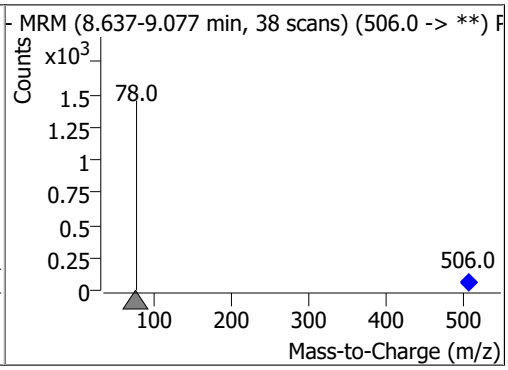




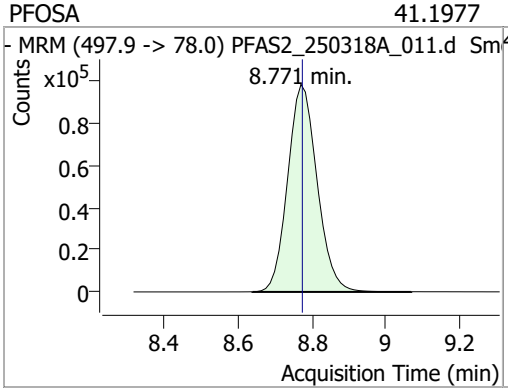
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.7030	8.78	0.01	37986				

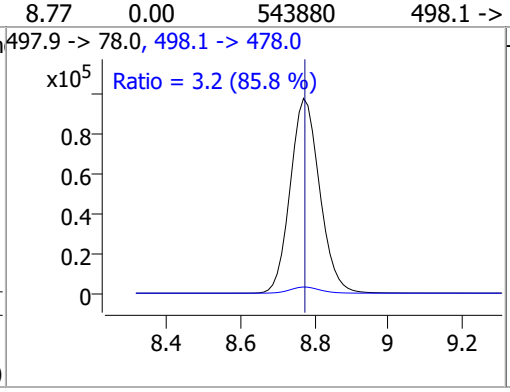


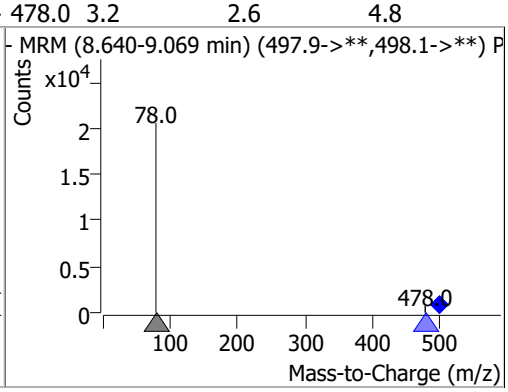




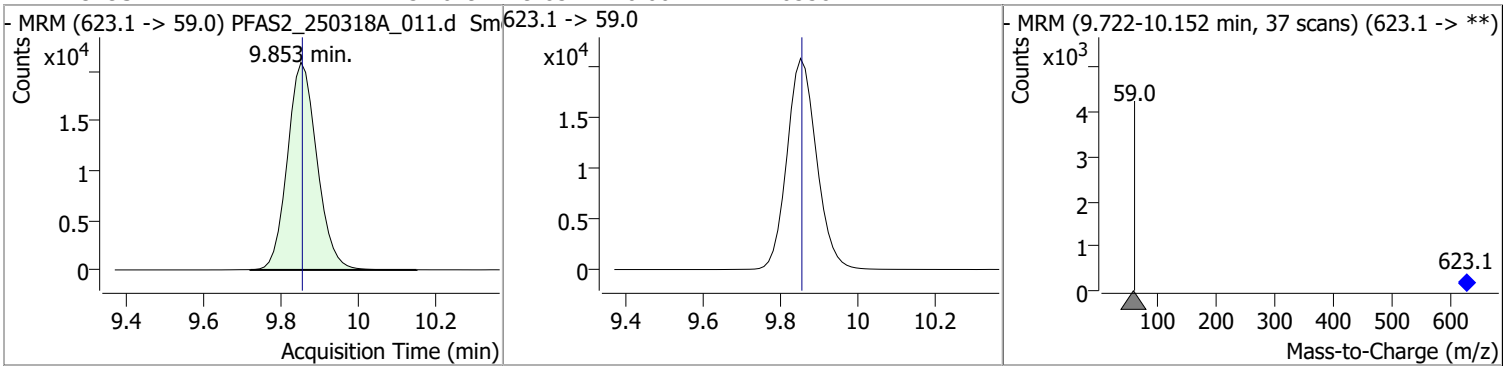
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	41.1977	8.77	0.00	543880	498.1 -> 478.0	3.2	2.6	4.8



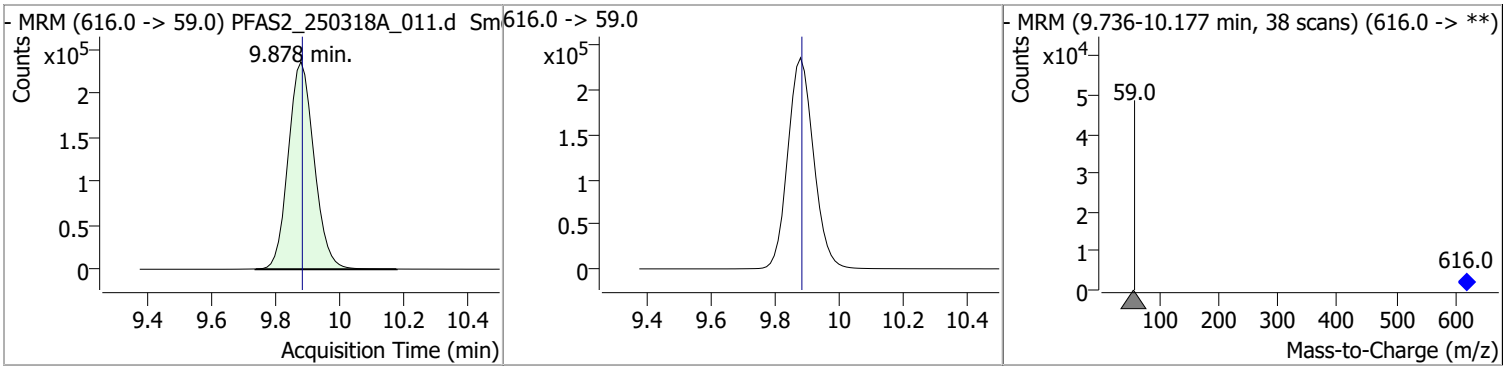




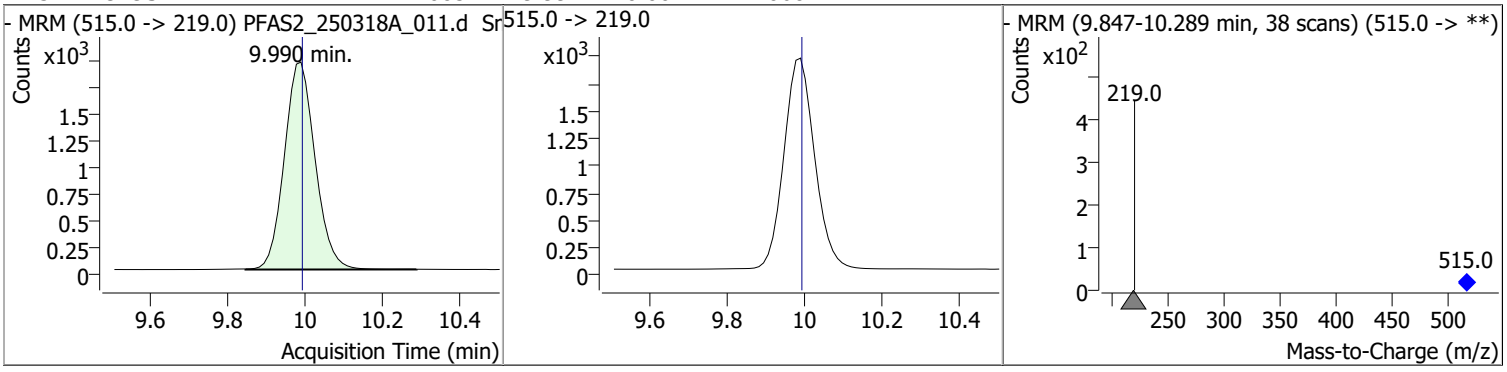
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.2079	9.85	0.00	110558				



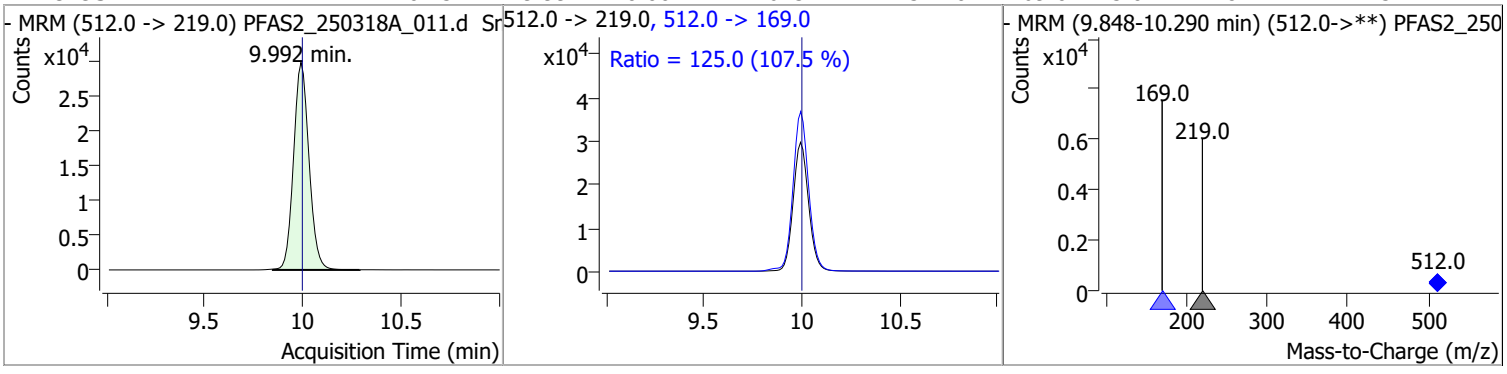
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	407.5516	9.88	0.00	1318917				



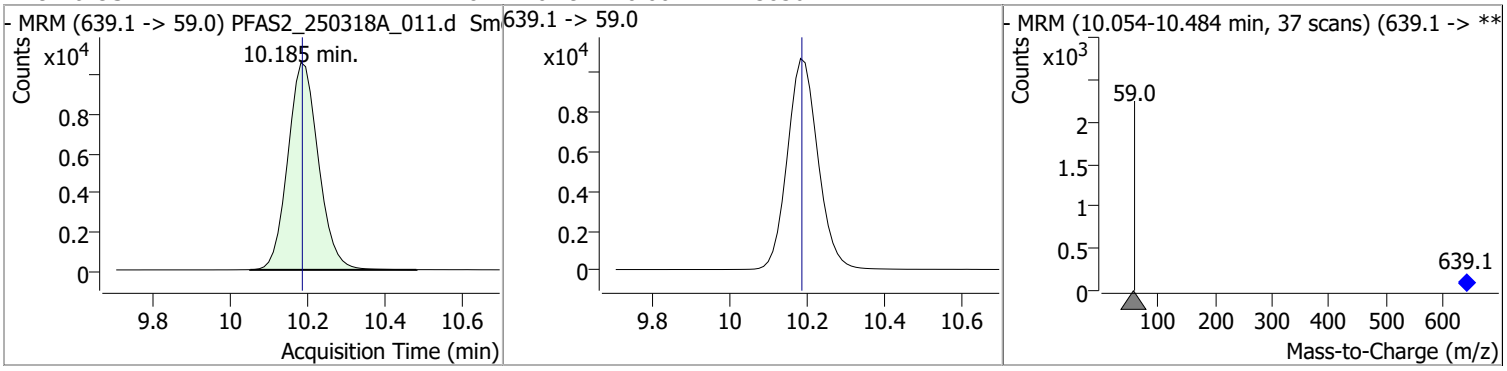
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7085	9.99	0.00	10682				



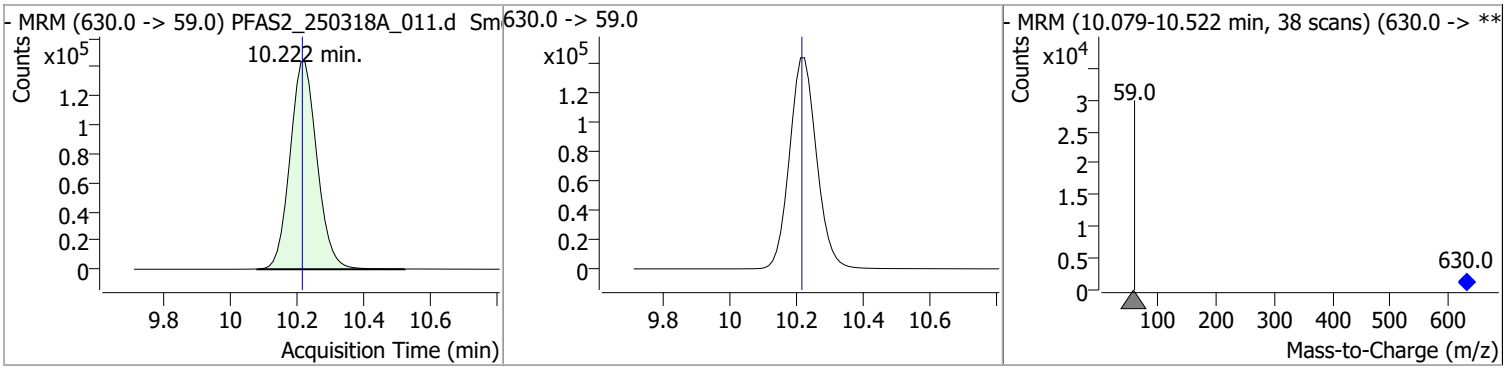
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	40.4527	9.99	0.00	162527	512.0 -> 169.0	125.0	81.4	151.2



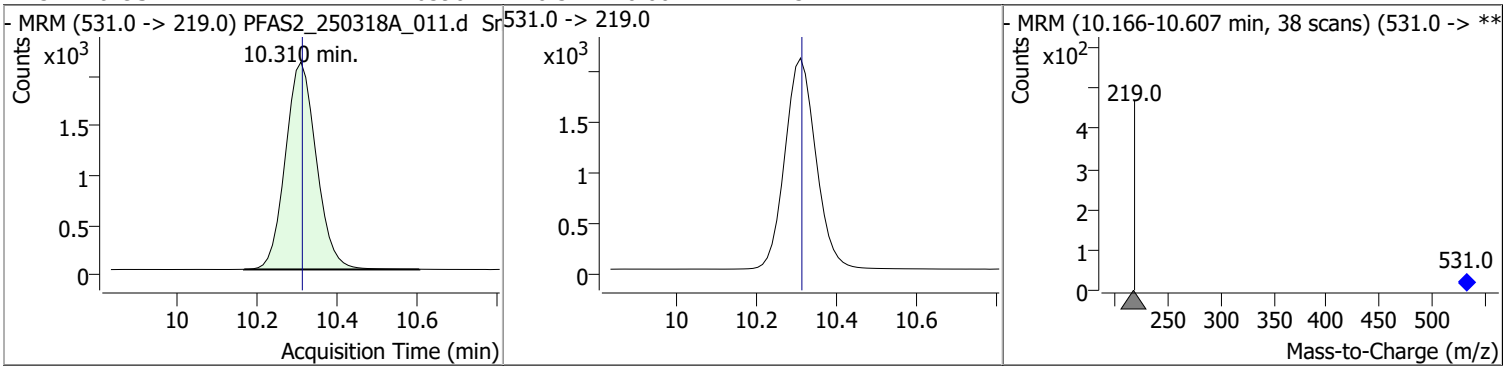
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2118	10.19	0.00	58367				



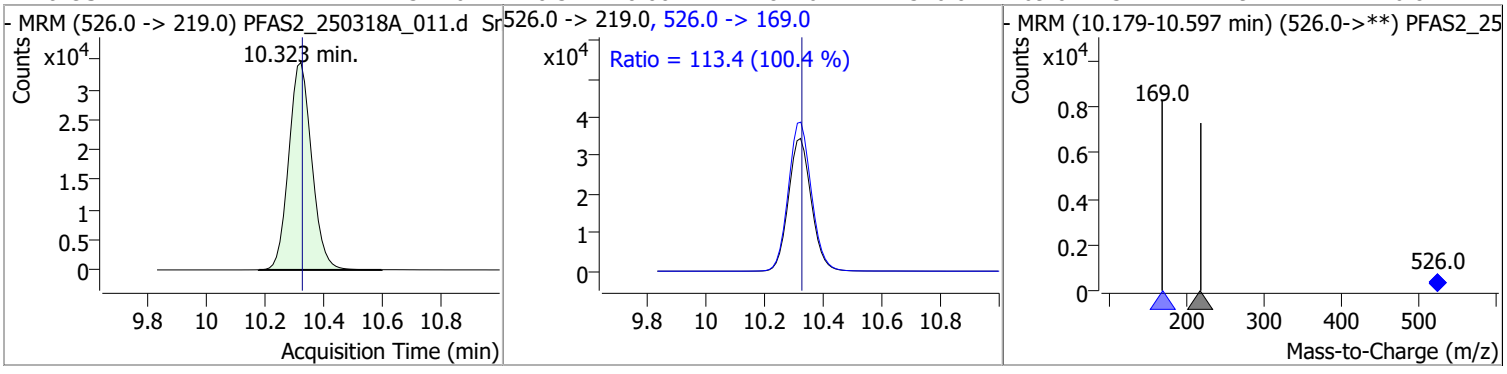
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	407.8099	10.22	0.01	812765				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.6390	10.31	0.00	11254				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	43.1161	10.32	0.00	187162	526.0 -> 169.0	113.4	79.1	146.8



INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
PFBA	A	40.0	38.9	26766.18	27872.825	97	70	130
PFPeA	A	20.0	19.2	37903.45	38155.705	96	70	130
PFHxA	A	10.0	9.89	60661.9	61074.02	99	70	130
PFHpA	A	10.0	9.70	71593.83	72117.86	97	70	130
PFOA	A	10.0	9.83	66180.62	68452.46	98	70	130
PFNA	A	10.0	9.53	54656.62	55571.76	95	70	130
PFDA	A	10.0	9.83	50630.36	51607.33	98	70	130
PFUnA	A	10.0	9.64	39433.98	39464.16	96	70	130
PFDoA	A	10.0	9.91	29703.53	31077.98	99	70	130
PFTrDA	A	10.0	10.3	33790.23	37172.3	103	70	130
PFTeDA	A	10.0	10.2	29396.67	32775.45	102	70	130
PFBS	A	8.85	8.71	25401.95	6597.720519516	98	70	130
PFPeS	A	9.40	9.97	19811.42	0819.755319148	106	70	130
PFHxS	A	9.15	9.44	14053.58	4583.757968988	103	70	130
PFHpS	A	9.55	9.28	10414.48	0587.802155790	97	70	130
PFOS	A	9.30	8.76	9848.864	909.1096774193	94	70	130
PFNS	A	9.60	10.0	8805.753	355.5208333333	105	70	130
PFDS	A	9.65	10.5	6796.217	294.9215238423	109	70	130
PFDoS	A	9.70	10.3	4545.478	956.3912416091	106	70	130
4:2FTS	A	37.5	36.8	15063.71	5124.117333333	98	70	130
6:2FTS	A	38.0	39.6	9796.525	0846.118421052	104	70	130
8:2FTS	A	38.4	40.8	5051.267	5598.21875	106	70	130
PFOSA	A	10.0	9.78	12885.65	13178.31	98	70	130
NMeFOSA	A	10.0	9.80	3893.716	4090.857	98	70	130
NEtFOSA	A	10.0	10.3	4510.188	4653.511	103	70	130
NMeFOSAA	A	10.0	9.58	9791.619	9988.459	96	70	130
NEtFOSAA	A	10.0	9.58	7886.28	8406.853	96	70	130
NMeFOSE	A	100	102	3763.518	3960.067	102	70	130
NEtFOSE	A	100	102	2237.872	2338.114	102	70	130
HFPO-DA	A	20.0	21.2	16184.64	16964.52	106	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
ADONA	A	18.9	18.1	99921.64	01798.20105820	**96**	70	130
9CL-PF3ONS	A	18.7	19.1	51432.26	6635.080213903	**102**	70	130
11CL-PF3OUdS	A	18.9	23.5	25196.13	9639.338624338	**124**	70	130
3:3FTCA	A	40.0	38.8	725.848	712.01975	**97**	70	130
5:3FTCA	A	200	195	4796.349	4755.1965	**97**	70	130
7:3FTCA	A	200	200	3672.526	3722.1895	**100**	70	130
PFEESA	A	17.8	17.8	79876.08	5225.224719101	**100**	70	130
PFMPA	A	20.0	19.1	19468.96	19788.66	**96**	70	130
PFMBA	A	20.0	19.0	28623.42	28655.875	**95**	70	130
NFDHA	A	20.0	19.7	1270.984	1250.5485	**98**	70	130
13C4-PFBA	A	10.0	9.97	1.13623	.1331337886312	**100**	70	130
13C5-PFPeA	A	5.00	4.79	0.6742923	64647747568962	**96**	70	130
13C5-PFHxA	A	2.50	2.36	1.100741	.0381460968085	**94**	70	130
13C4-PFHpA	A	2.50	2.35	1.23075	.1573436287863	**94**	70	130
13C8-PFOA	A	2.50	2.48	11.17993	1.074460653974	**99**	70	130
13C9-PFNA	A	1.25	1.28	0.9904981	.0120961796171	**102**	70	130
13C6-PFDA	A	1.25	1.24	1.017173	.0053793427066	**99**	70	130
13C7-PFUnA	A	1.25	1.22	0.8016343	77919193609752	**97**	70	130
13C2-PFDoA	A	1.25	1.27	0.5972407	60596056262563	**101**	70	130
AVE 13C2-PFTeDA & 13C2-PFDoA	A	1.25	1.28	0.6607286	.6759197704685	**102**	70	130
13C2-PFTeDA	A	1.25	1.29	0.7242163	74587883671625	**103**	70	130
13C3-PFBS	A	2.50	2.66	2.047221	.1775579036786	**106**	70	130
13C3-PFHxS	A	2.50	2.58	1.179169	.2159730710897	**103**	70	130
13C8-PFOS	A	2.50	2.51	1.014637	.0204505801333	**101**	70	130
13C2-4:2FTS	A	5.00	4.99	0.4246144	4239403764763	**100**	70	130
13C2-6:2FTS	A	5.00	5.08	0.2489471	2527902959604	**102**	70	130
13C2-8:2FTS	A	5.00	5.01	0.2001524	20047523573665	**100**	70	130
13C8-PFOSA	A	2.50	2.54	1.486845	.5102599434876	**102**	70	130
D3-NMeFOSA	A	2.50	2.59	0.4172677	43210324071784	**104**	70	130
D5-NEtFOSA	A	2.50	2.52	0.4511948	45411205670389	**101**	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250318A_013.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0643	Injection Date:	03/18/25
Lab Sample ID:	S25C0643-ICV1	Injection Time:	19:01

		CONC. (ug/L)		RESPONSE FACTOR			ICV Lower	Upper
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Limit	Limit
D3-NMeFOSAA	A	5.00	5.12	1.121732	.1482946428536	**102**	70	130
D5-NEtFOSAA	A	5.00	5.34	0.8468811	90415253112091	**107**	70	130
D7-NMeFOSE	A	25.0	25.1	0.5040221	50576083922019	**100**	70	130
D9-NEtFOSE	A	25.0	24.8	0.2550538	25263644395159	**99**	70	130
13C3-HFPO-DA	A	10.0	9.50	0.2847944	27062052355265	**95**	70	130

A = Average Response Factor

Q = Quadratic Regression

L = Linear Regression

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_013.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:01:35 PM
Sample Name	SEQ-ICV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318A.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

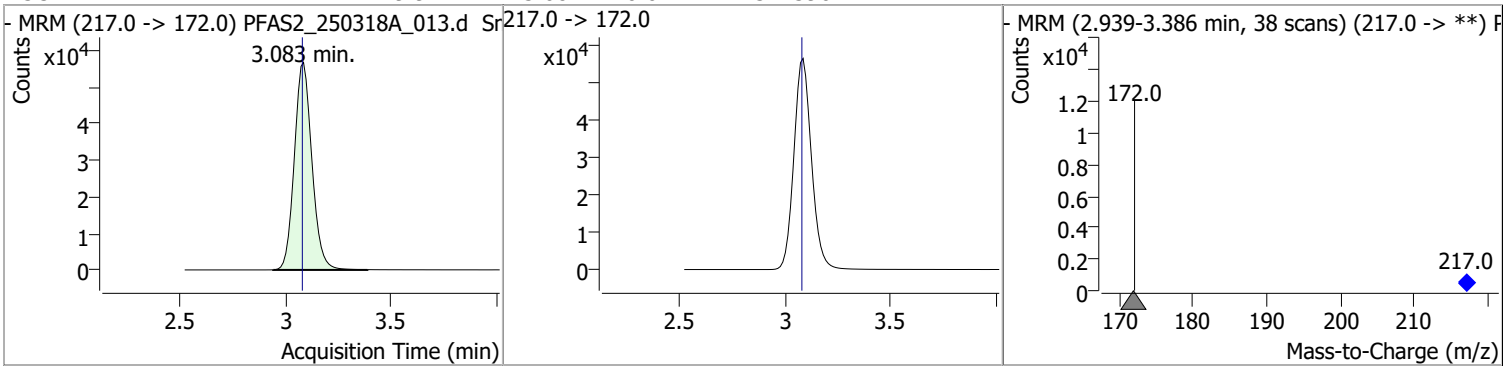
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	144462	5.0000	µg/L		5.568
13C2-PFHxA	4.890	315.0 -> 270.0	166287	2.5000	µg/L		8.383
18O2-PFHxS	5.967	403.0 -> 84.0	29901	2.5000	µg/L		0.914
13C4-PFOA	5.835	417.0 -> 172.0	15905	2.5000	µg/L		2.958
13C5-PFNA	6.237	468.0 -> 423.0	73853	1.2500	µg/L		3.767
13C2-PFDA	6.627	515.0 -> 470.0	70624	1.2500	µg/L		5.604
13C4-PFOS	6.783	503.0 -> 80.0	25683	2.5000	µg/L		3.106
System Monitoring Compounds							
13C4-PFBA	3.083	217.0 -> 172.0	327390	10.0000	µg/L		5.328
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.73%			
13C5-PFPeA	4.234	268.0 -> 223.0	215002	5.0000	µg/L		3.906
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.87%			
13C5-PFPeA	4.234	268.0 -> 223.0	215002	5.0000	µg/L		3.906
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.87%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	25352	5.0000	µg/L		0.347
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.84%			
13C5-PFHxA	4.889	318.0 -> 273.0	172630	2.5000	µg/L		2.242
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.31%			
13C5-PFHxA	4.889	318.0 -> 273.0	172630	2.5000	µg/L		2.242
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.31%			
13C3-PFBS	4.929	302.0 -> 80.0	65111	2.5000	µg/L		7.225
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.37%			
13C3-PFBS	4.929	302.0 -> 80.0	65111	2.5000	µg/L		7.225
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.37%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	180003	10.0000	µg/L		2.994
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.02%			
13C4-PFHpA	5.397	367.0 -> 322.0	192451	2.5000	µg/L		1.887
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.04%			
13C3-PFHxS	5.968	402.0 -> 80.0	36359	2.5000	µg/L		4.035
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.12%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15117	5.0000	µg/L		2.361
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.54%			
13C8-PFOA	5.835	421.0 -> 376.0	176138	2.5000	µg/L		1.967
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.06%			
13C3-PFHxS	5.968	402.0 -> 80.0	36359	2.5000	µg/L		4.035
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.12%			
13C9-PFNA	6.237	472.0 -> 427.0	74746	1.2500	µg/L		6.077
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.18%			
13C8-PFOS	6.782	507.0 -> 80.0	26208	2.5000	µg/L		3.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.57%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	11989	5.0000	µg/L	#	1.209
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.16%			
13C6-PFDA	6.627	519.0 -> 474.0	71004	1.2500	µg/L		4.479
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.84%			
2H3-N-MeFOSAA	6.753	573.0 -> 419.0	58983	5.0000	µg/L		5.669

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.37%		
13C8-PFOS	6.782	507.0 -> 80.0	26208	2.5000	µg/L	3.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.57%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46443	5.0000	µg/L	10.133
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.76%		
13C7-PFUnDA	7.002	570.0 -> 525.0	55030	1.2500	µg/L	2.661
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.20%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	47736	1.2500	µg/L	8.208
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.30%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42795	1.2500	µg/L	7.135
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.46%		
13C2-PFTDA	8.092	715.0 -> 670.0	52677	1.2500	µg/L	9.096
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.99%		
13C8-PFOSA	8.780	506.0 -> 78.0	38788	2.5000	µg/L	4.942
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.57%		
2H7-MeFOSE	9.853	623.1 -> 59.0	129894	25.0000	µg/L	3.383
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.34%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	11098	2.5000	µg/L	7.025
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.56%		
2H9-EtFOSE	10.185	639.1 -> 59.0	64884	25.0000	µg/L	2.166
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.05%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11663	2.5000	µg/L	3.761
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.65%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1114913	38.8676	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.17%		
PFMPA	3.614	229.0 -> 85.0	395773	19.1087	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.54%		
3-3 FTCA	3.790	241.0 -> 177.0	28481	38.8264	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.07%		
PFPeA	4.235	263.0 -> 219.0	763114	19.1767	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.88%		
PFMBA	4.465	279.0 -> 85.0	573117	18.9915	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.96%		
4-2 FTSA	4.710	327.0 -> 307.0	567154	36.8085	µg/L	100
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 98.16%		
NFDHA	4.834	295.0 -> 201.0	25011	19.6993	µg/L	95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.50%		
PFHxA	4.892	313.0 -> 269.0	610740	9.8869	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.87%		
PFBS	4.930	298.9 -> 80.0	235390	8.7127	µg/L	93
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 98.23%		
HFPO-DA	5.087	285.0 -> 169.0	339290	21.2454	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 106.23%		
PFEESA	5.201	314.9 -> 135.0	1517009	17.7891	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 99.94%		
PFHpA	5.398	363.0 -> 319.0	721179	9.7009	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.01%		
5-3 FTCA	5.458	341.0 -> 237.0	951039	194.9117	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 97.46%		
PFPeS	5.494	348.9 -> 80.0	195706	9.9689	µg/L	91
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 105.94%		
DONA	5.564	377.0 -> 251.0	1923986	18.1319	µg/L	98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 95.94%		

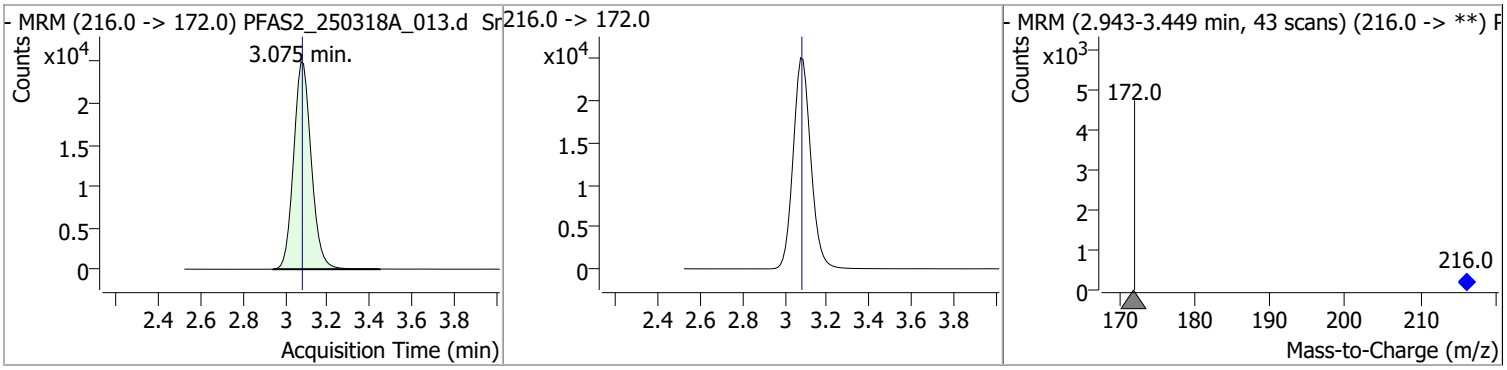
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.654	427.0 -> 407.0	412152	39.5962	µg/L		96
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 104.20%			
PFOA	5.836	413.0 -> 369.0	684525	9.8326	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.33%			
PFHxS	5.969	398.9 -> 80.0	133441	9.4358	µg/L		94
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 103.24%			
PFNA	6.238	463.0 -> 419.0	555718	9.5290	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.29%			
PFHpS	6.382	448.9 -> 80.0	101113	9.2756	µg/L		90
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.33%			
8-2 FTSA	6.436	527.0 -> 507.0	214972	40.7545	µg/L	#	78
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 106.13%			
7-3 FTCA	6.609	441.0 -> 317.0	744438	199.5945	µg/L		92
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.80%			
PFDA	6.627	513.0 -> 469.0	516073	9.8274	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.27%			
N-MeFOSAA	6.754	570.0 -> 419.0	99885	9.5778	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.78%			
PFOS	6.784	498.9 -> 80.0	92155	8.7560	µg/L		97
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 94.35%			
N-EtFOSAA	6.965	584.0 -> 419.0	84069	9.5763	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.76%			
PFUnDA	7.003	563.0 -> 519.0	394642	9.6410	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1059076	19.1153	µg/L		90
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 102.22%			
PFNS	7.171	548.9 -> 80.0	89813	10.0459	µg/L		88
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 104.43%			
PFDoDA	7.368	613.0 -> 569.0	310780	9.9061	µg/L		94
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.06%			
PFDS	7.537	598.9 -> 80.0	70396	10.5383	µg/L		93
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 109.21%			
PFTrDA	7.736	663.0 -> 619.0	371723	10.3349	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.35%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	560184	23.4952	µg/L		98
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 124.31%			
PFTDA	8.093	712.9 -> 669.0	327754	10.1689	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.69%			
PFDoS	8.240	698.9 -> 80.0	48077	10.2925	µg/L		91
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 106.11%			
PFOSA	8.771	497.9 -> 78.0	131783	9.7758	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.76%			
MeFOSE	9.878	616.0 -> 59.0	396007	101.9219	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.92%			
N-MeFOSA	9.992	512.0 -> 219.0	40909	9.8008	µg/L		90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.01%			
EtFOSE	10.222	630.0 -> 59.0	233811	101.5729	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.57%			
N-EtFOSA	10.323	526.0 -> 219.0	46535	10.3444	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.44%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

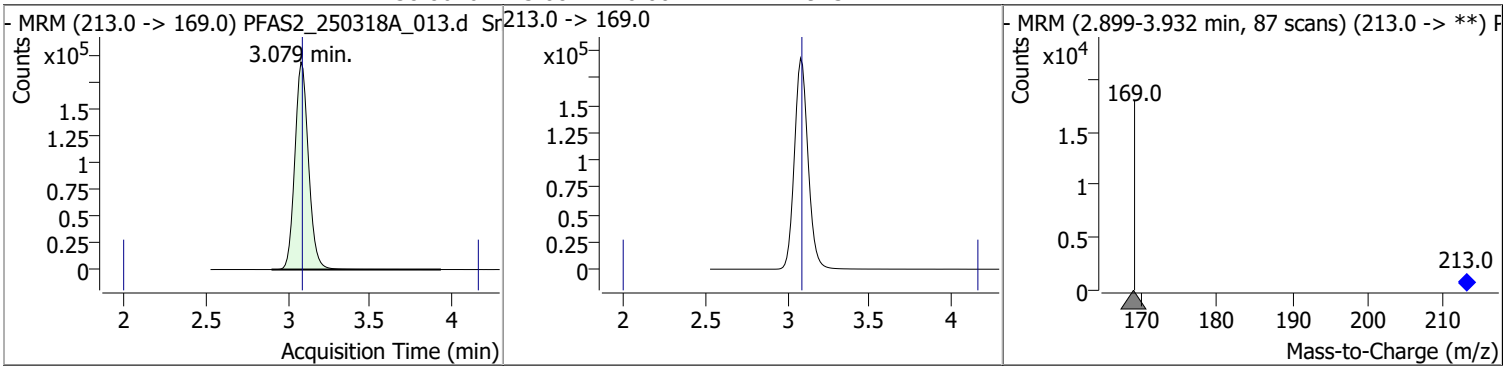
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9727	3.08	0.01	327390				



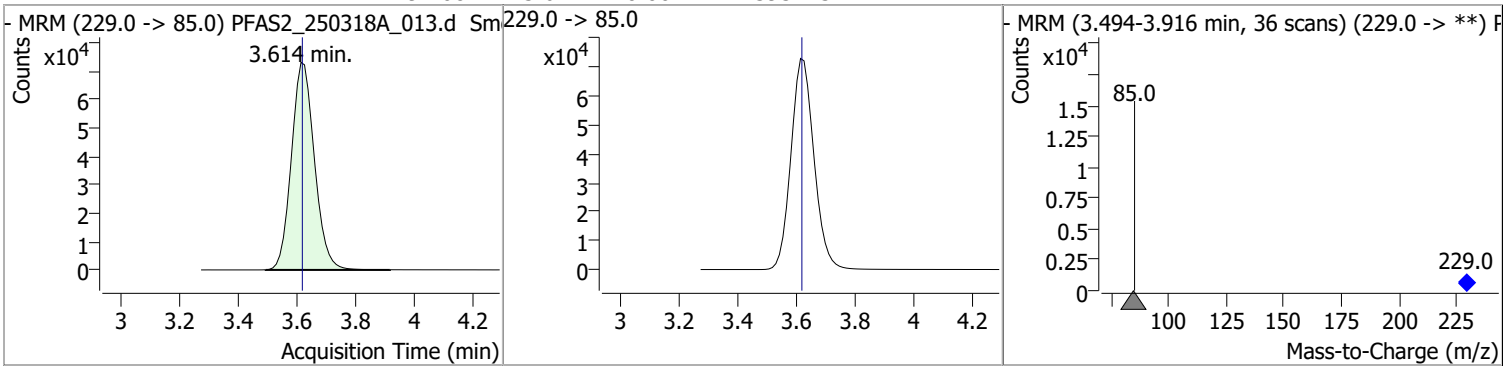
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	144462				



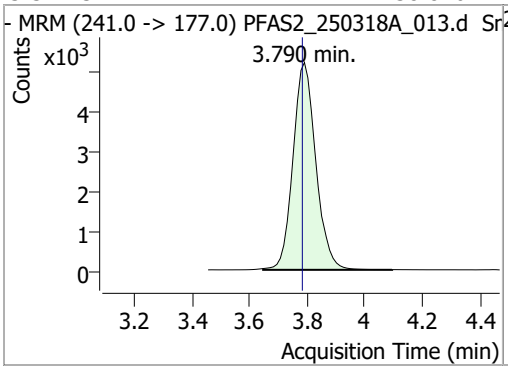
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.8676	3.08	0.00	1114913				

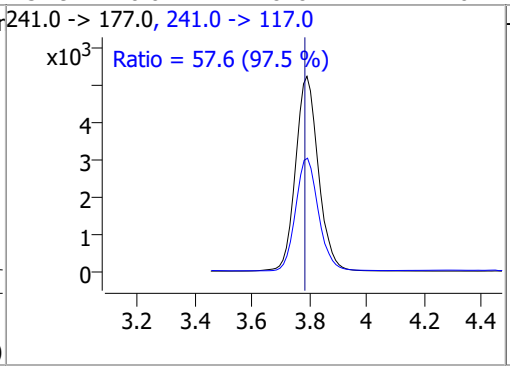


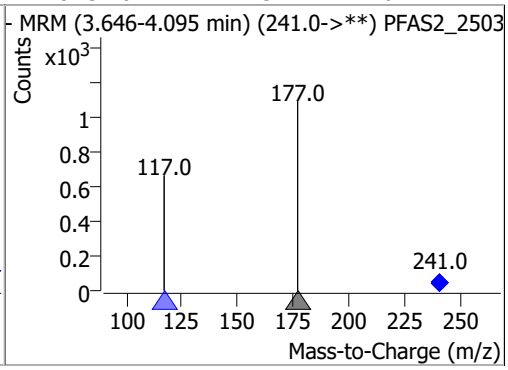
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.1087	3.61	0.00	395773				



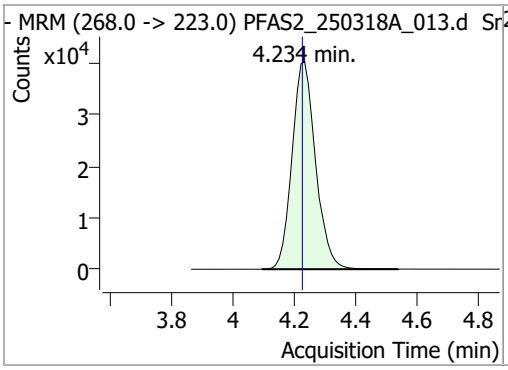
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	38.8264	3.79	0.01	28481	241.0 -> 117.0	57.6	41.3	76.7

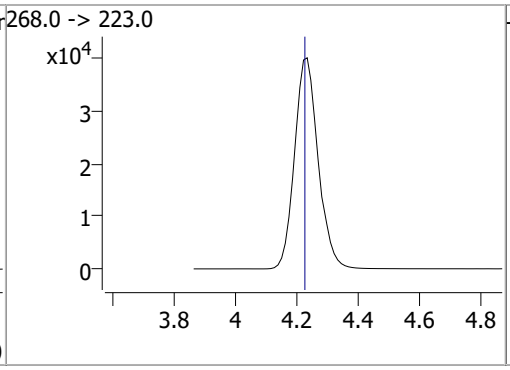


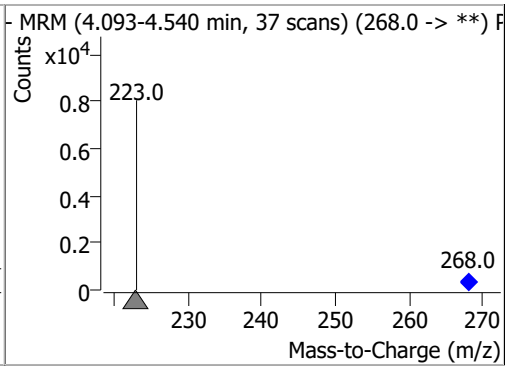




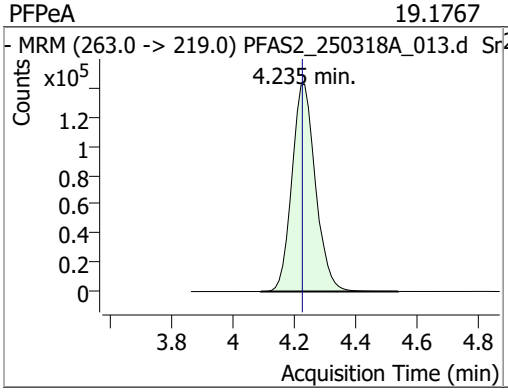
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.7937	4.23	0.01	215002				

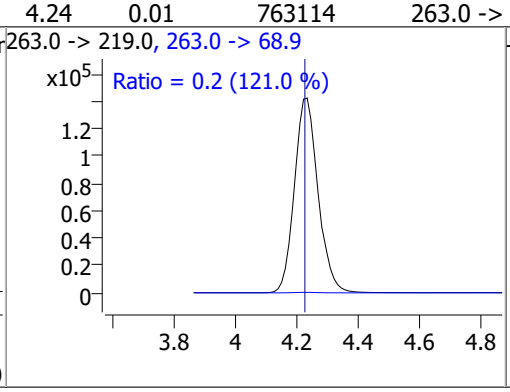


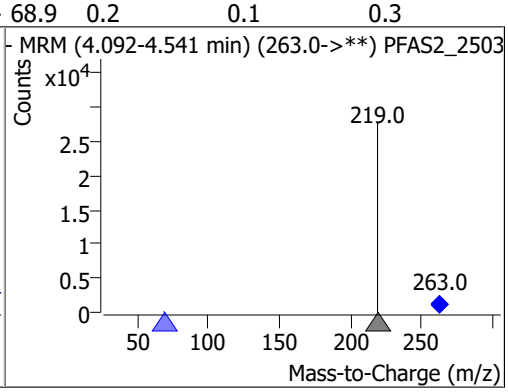




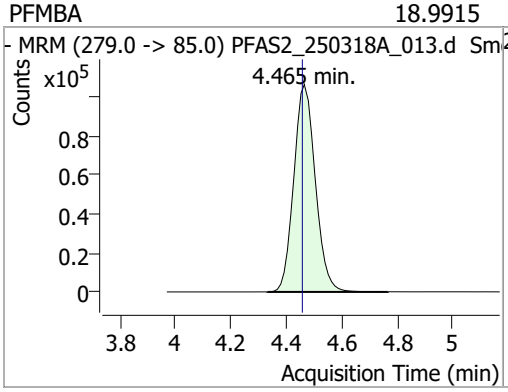
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.1767	4.24	0.01	763114	263.0 -> 68.9	0.2	0.1	0.3

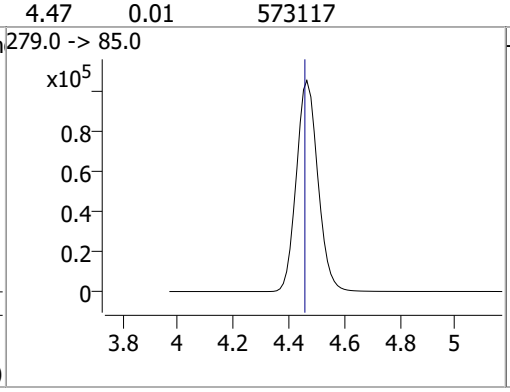


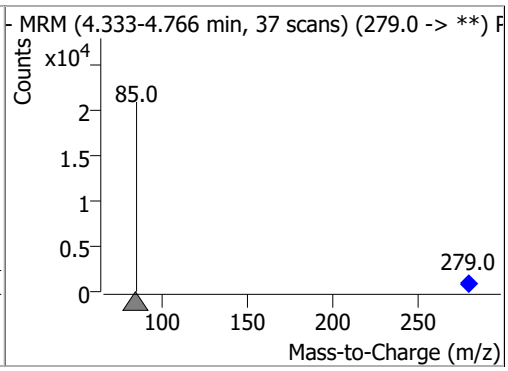




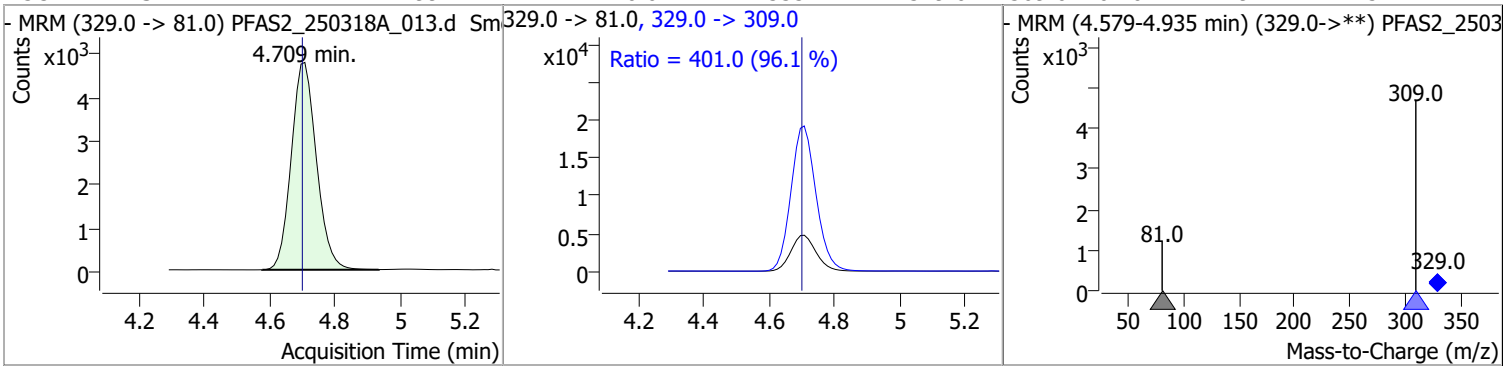
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.9915	4.47	0.01	573117				



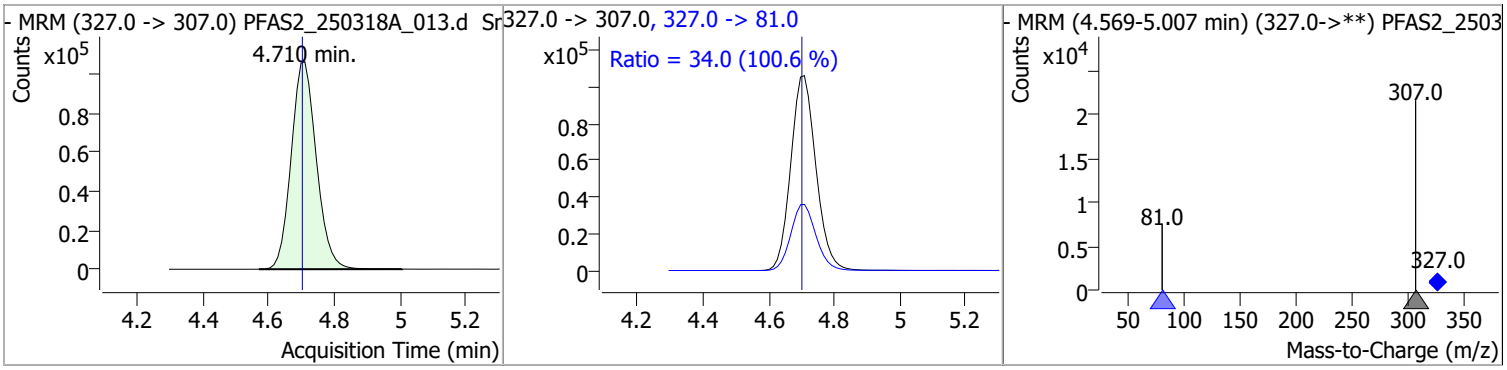




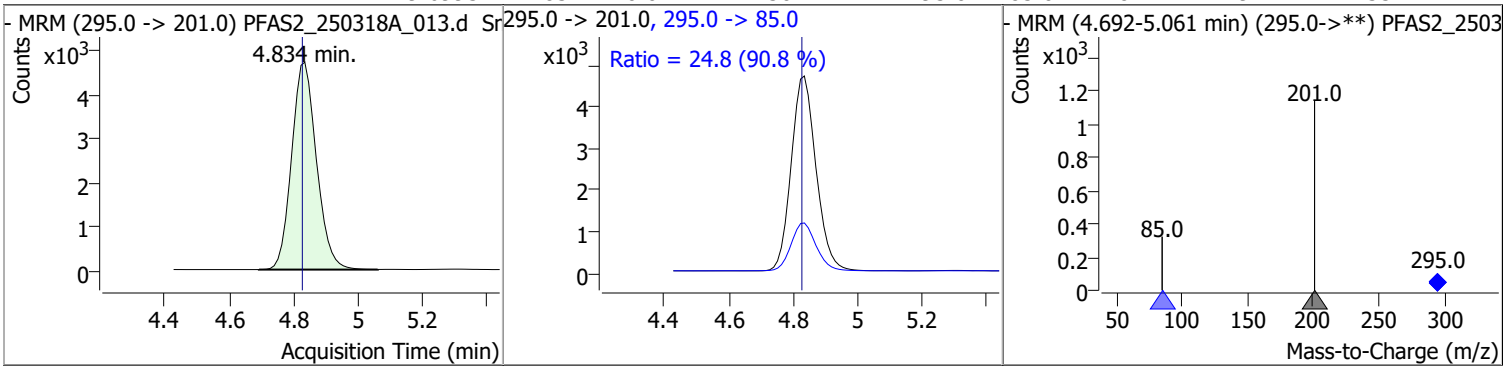
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.9921	4.71	0.01	25352	329.0 -> 309.0	401.0	292.1	542.4



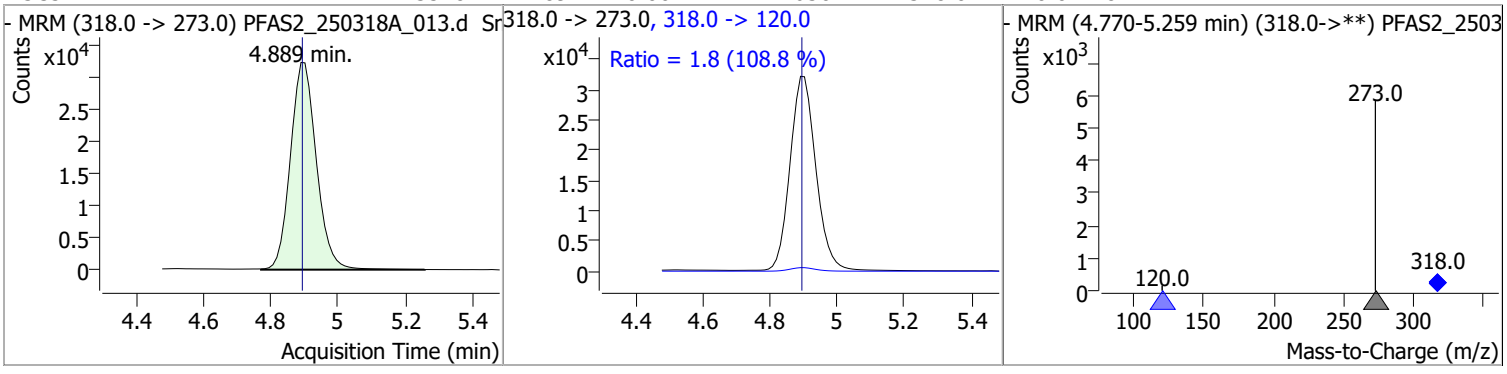
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.8085	4.71	0.01	567154	327.0 -> 81.0	34.0	23.6	43.9



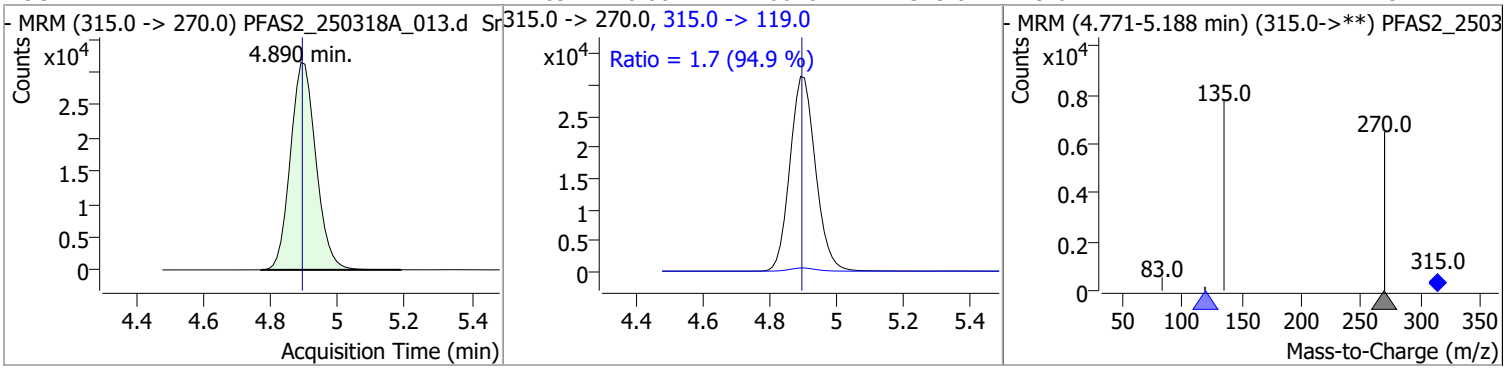
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	19.6993	4.83	0.01	25011	295.0 -> 85.0	24.8	19.1	35.4



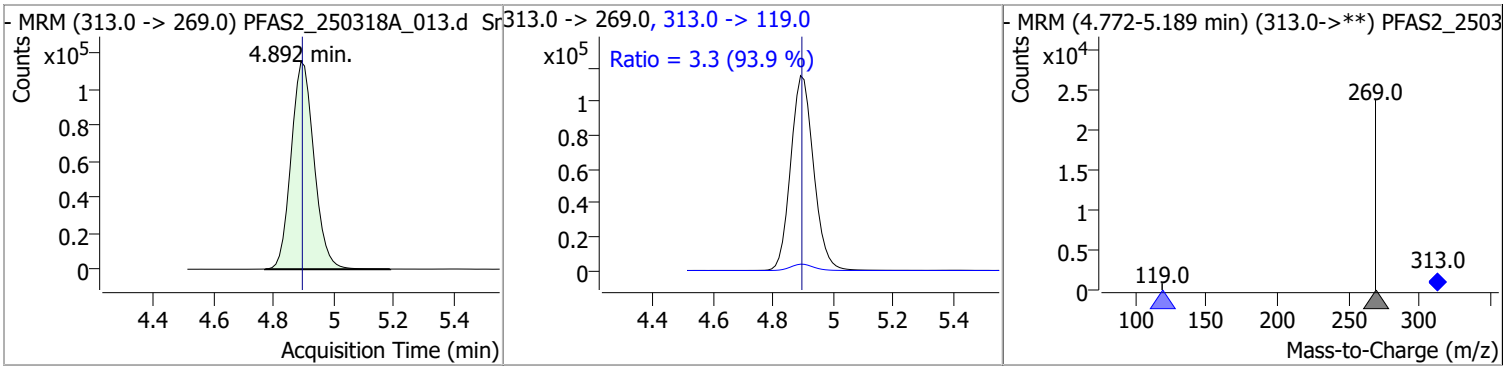
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3578	4.89	0.00	172630	318.0 -> 120.0	1.8	1.1	2.1



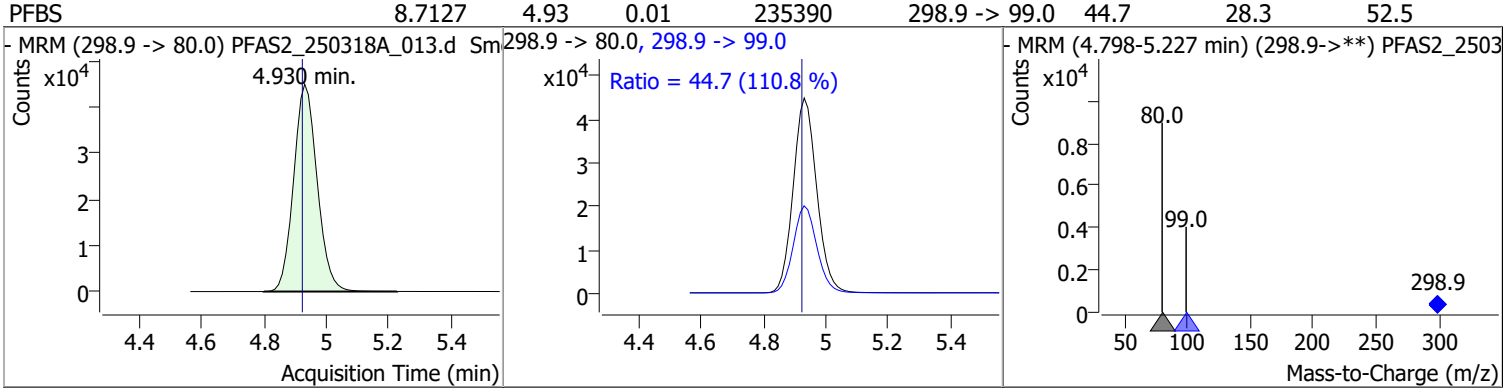
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	166287	315.0 -> 119.0	1.7	1.2	2.3



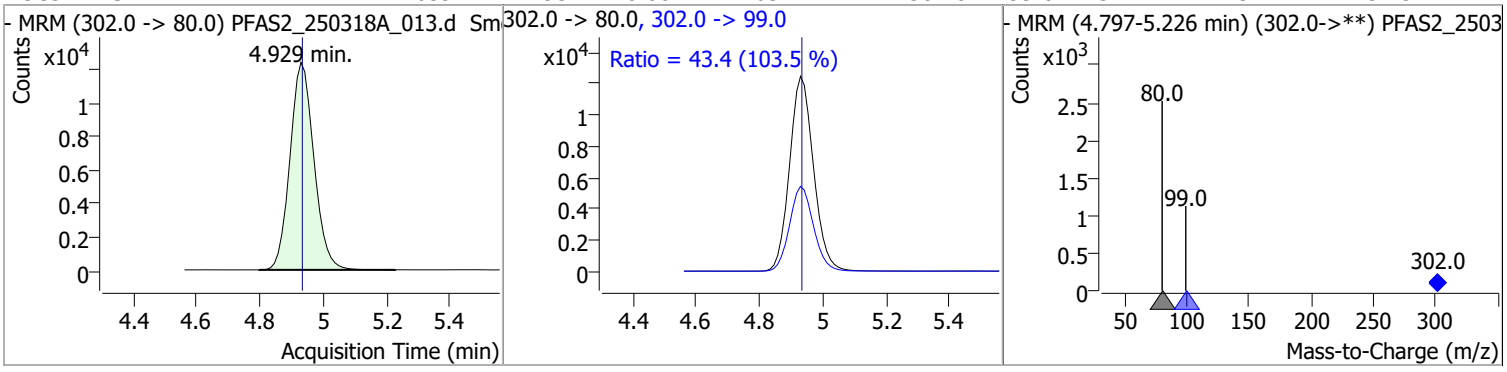
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.8869	4.89	0.00	610740	313.0 -> 119.0	3.3	2.4	4.5



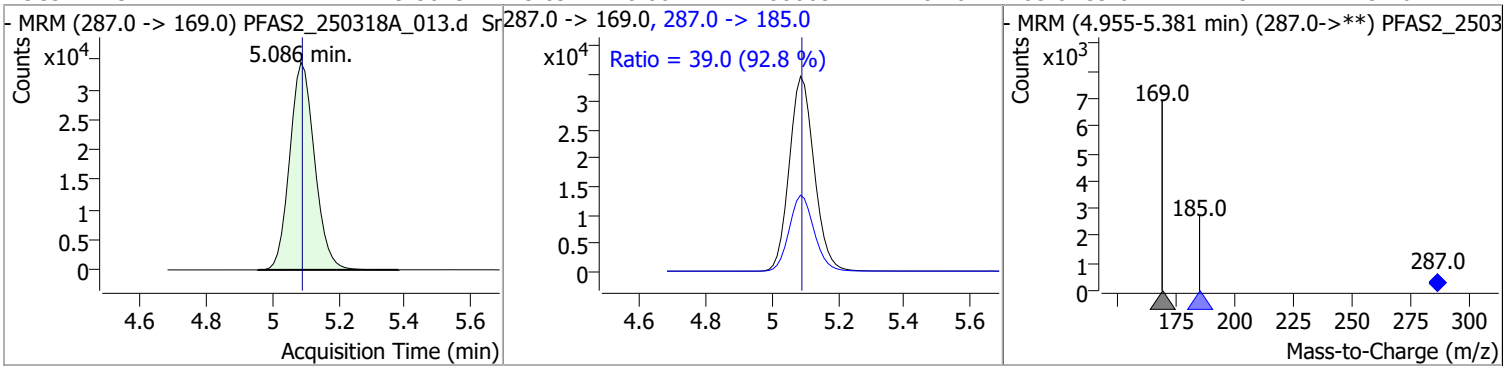
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.7127	4.93	0.01	235390	298.9 -> 99.0	44.7	28.3	52.5



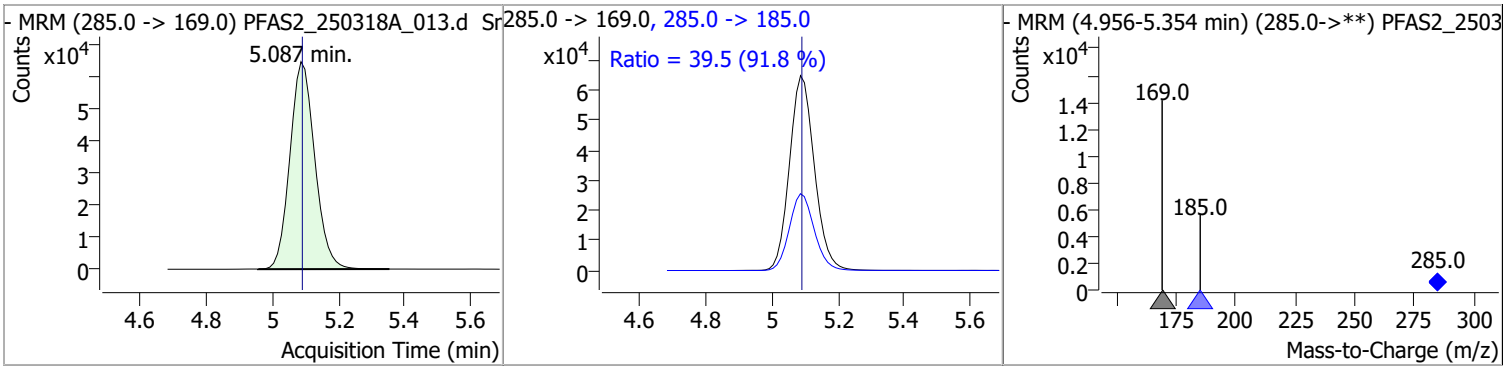
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6592	4.93	0.00	65111	302.0 -> 99.0	43.4	29.4	54.5



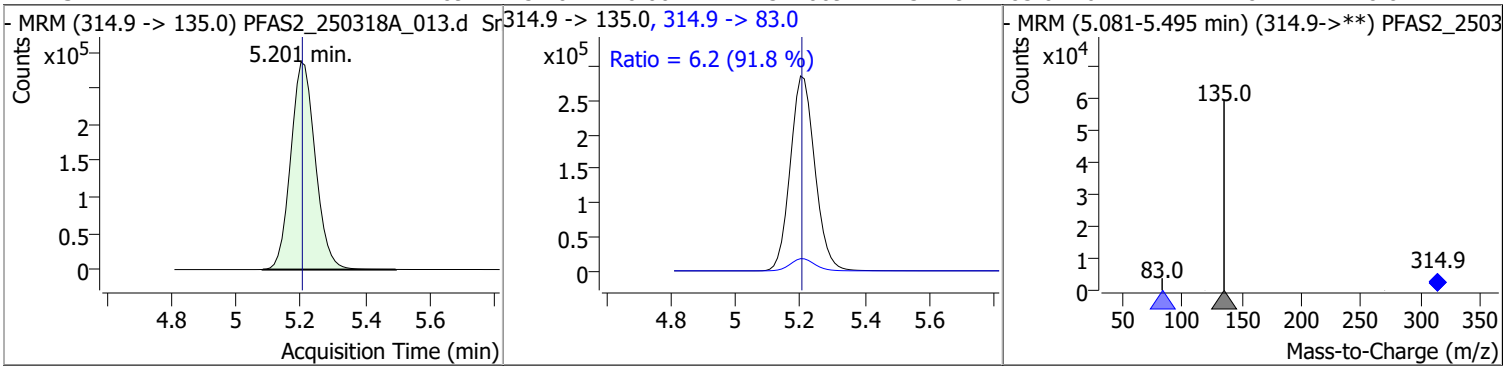
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5023	5.09	0.00	180003	287.0 -> 185.0	39.0	29.4	54.6



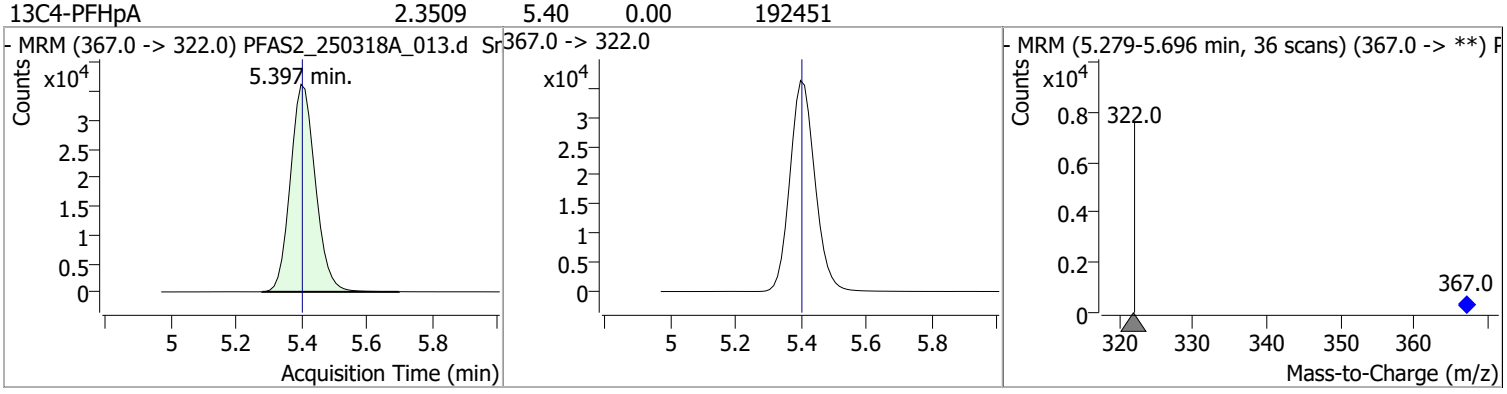
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	21.2454	5.09	0.00	339290	285.0 -> 185.0	39.5	30.1	56.0



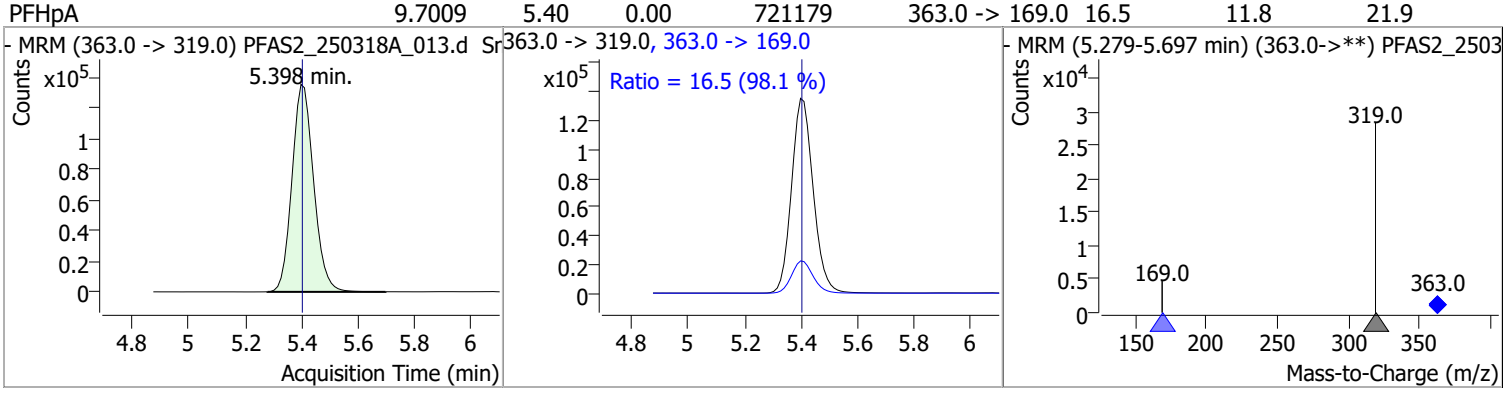
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.7891	5.20	0.00	1517009	314.9 -> 83.0	6.2	4.8	8.8



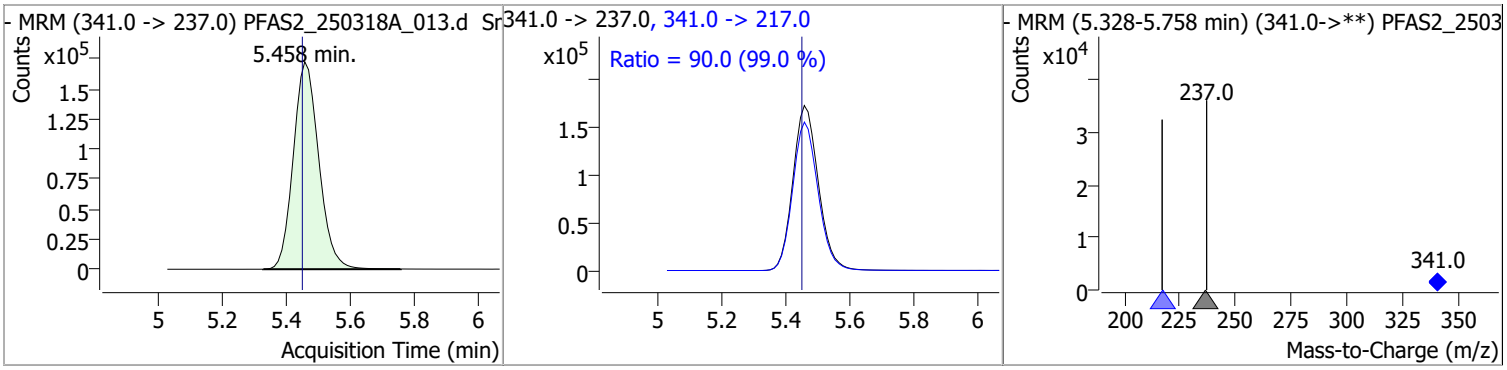
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3509	5.40	0.00	192451				



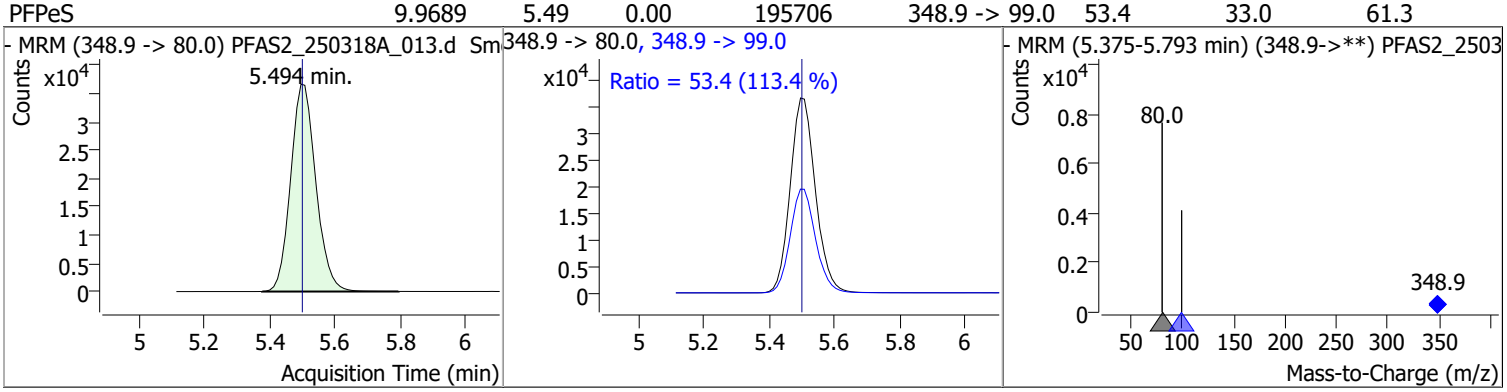
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.7009	5.40	0.00	721179	363.0 -> 169.0	16.5	11.8	21.9



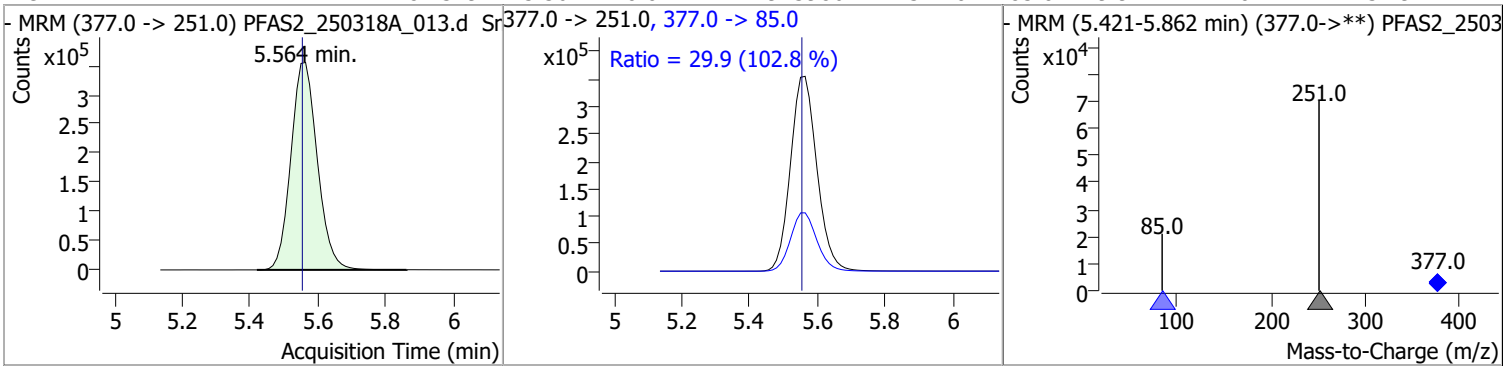
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	194.9117	5.46	0.01	951039	341.0 -> 217.0	90.0	63.6	118.1



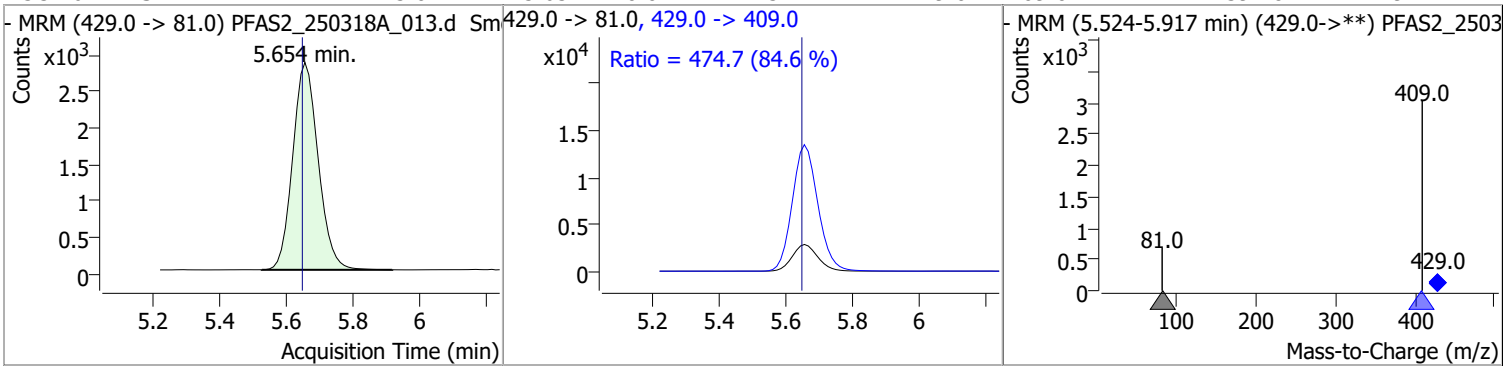
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.9689	5.49	0.00	195706	348.9 -> 99.0	53.4	33.0	61.3



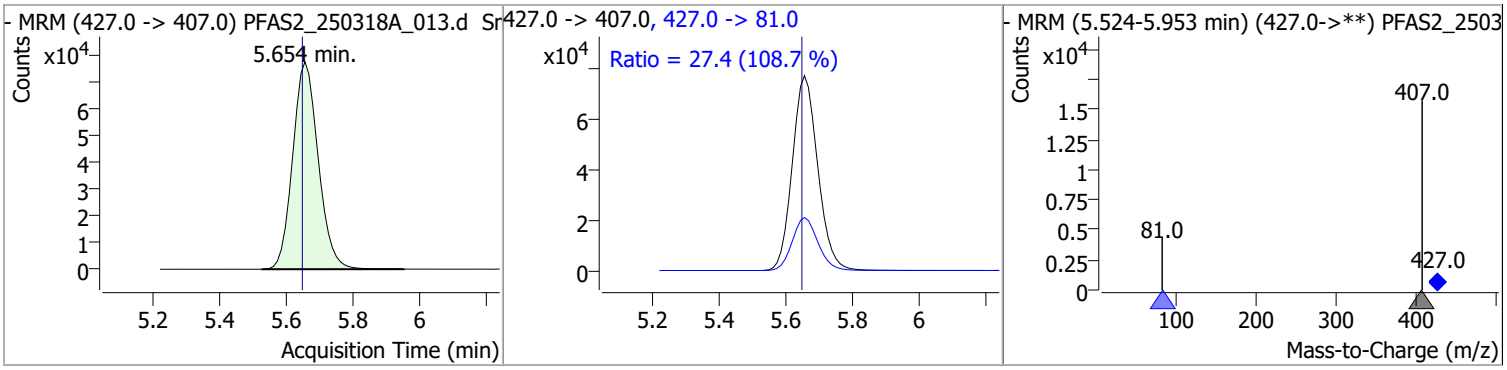
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.1319	5.56	0.01	1923986	377.0 -> 85.0	29.9	20.4	37.9



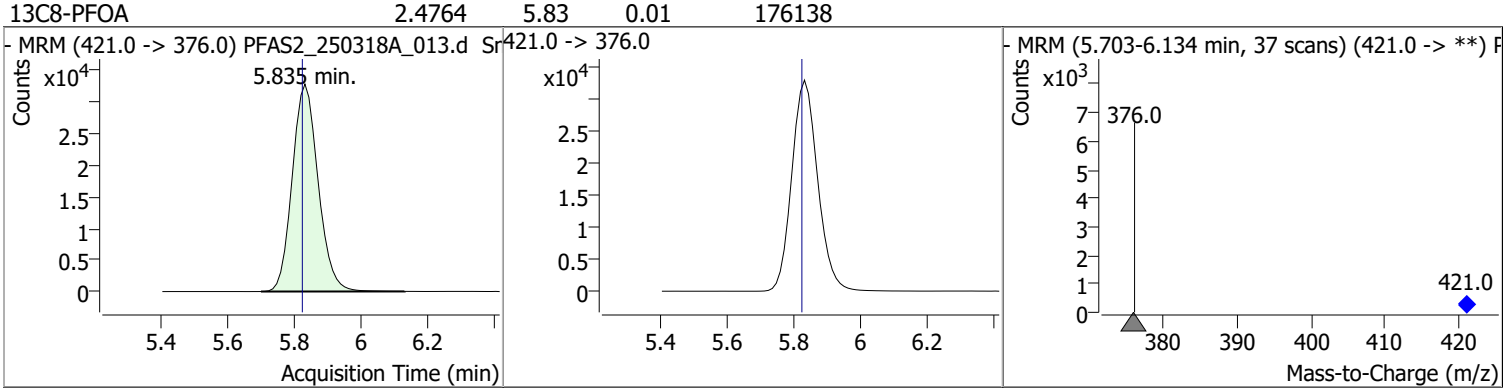
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.0772	5.65	0.01	15117	429.0 -> 409.0	474.7	392.8	729.4



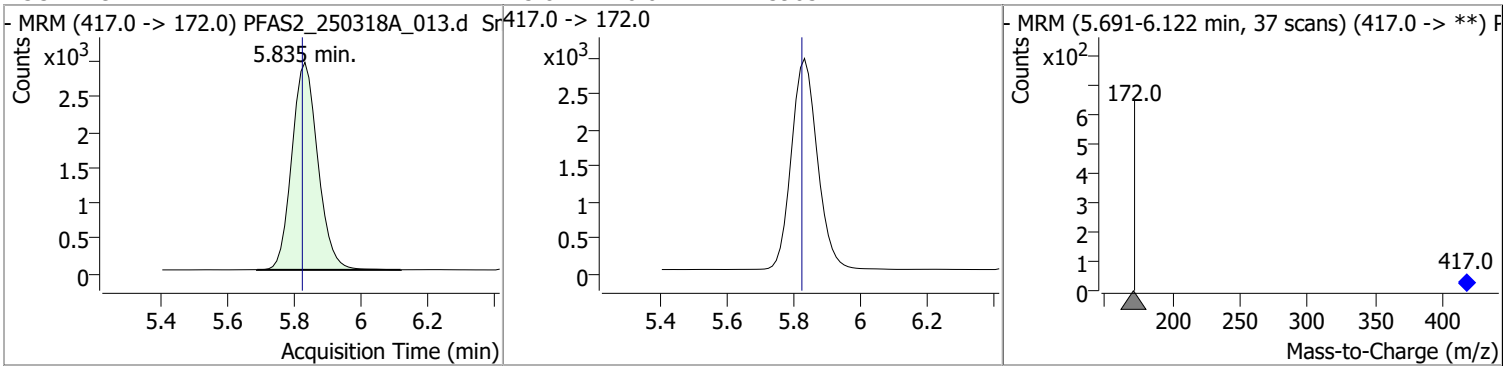
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	39.5962	5.65	0.01	412152	427.0 -> 81.0	27.4	17.7	32.8



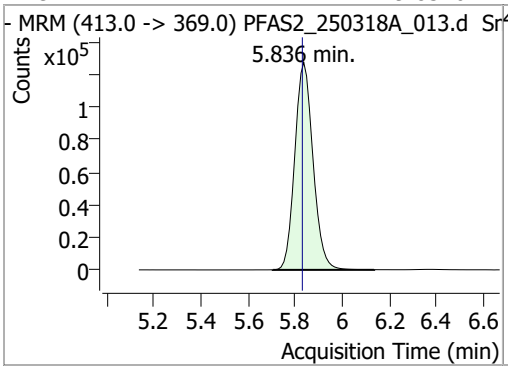
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4764	5.83	0.01	176138				

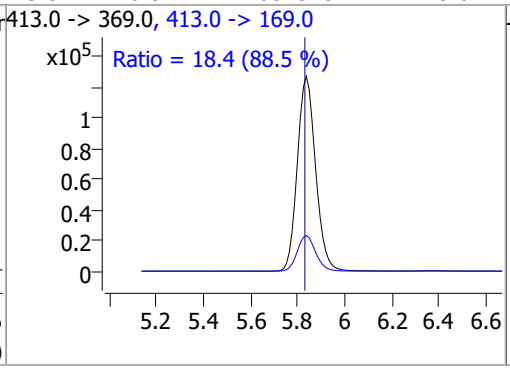


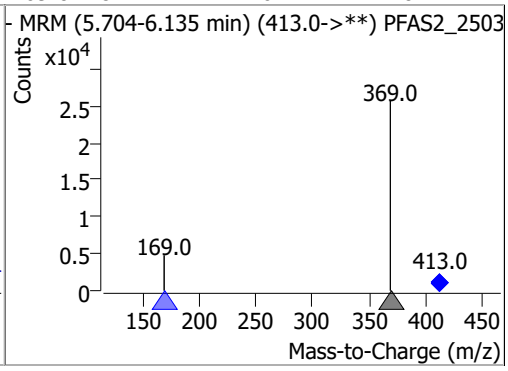
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	15905				



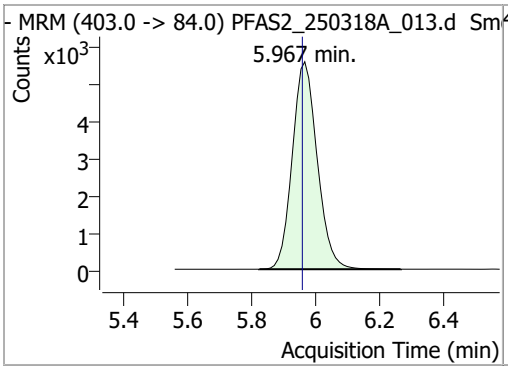
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.8326	5.84	0.01	684525	413.0 -> 169.0	18.4	14.6	27.0

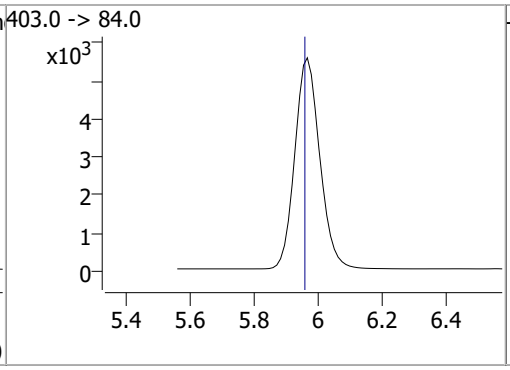


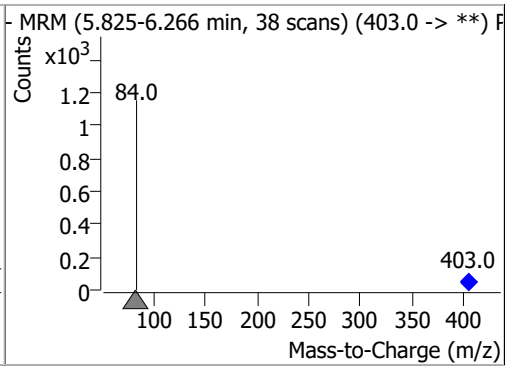




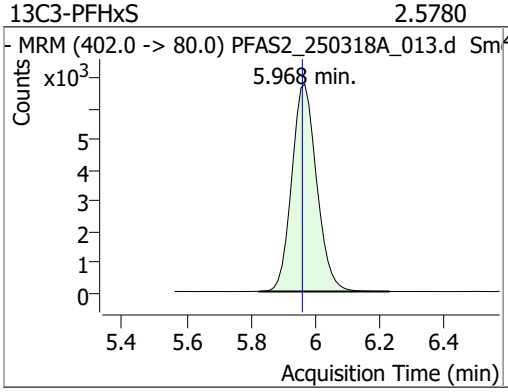
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	29901				

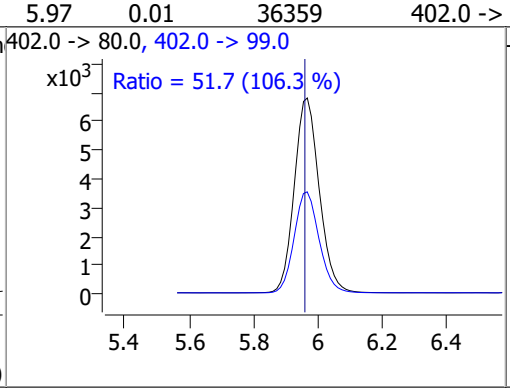


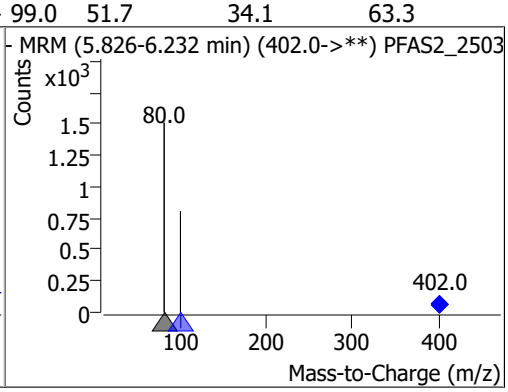




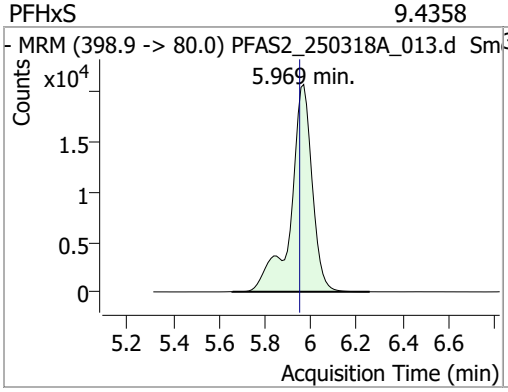
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5780	5.97	0.01	36359	402.0 -> 99.0	51.7	34.1	63.3

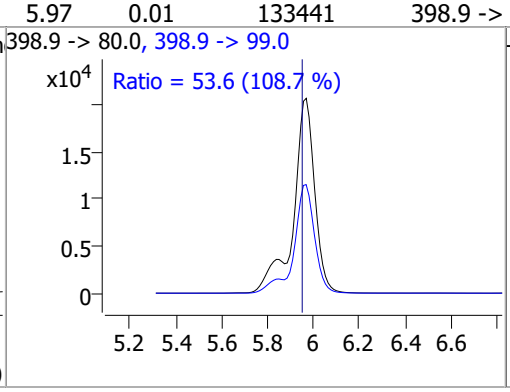


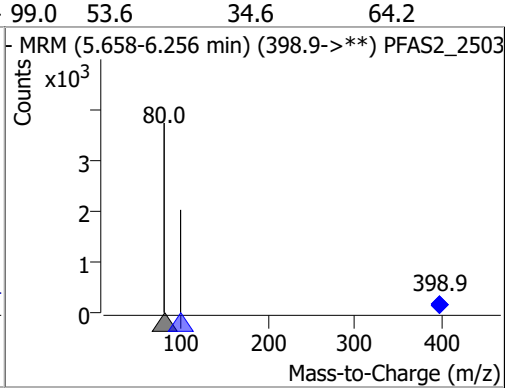




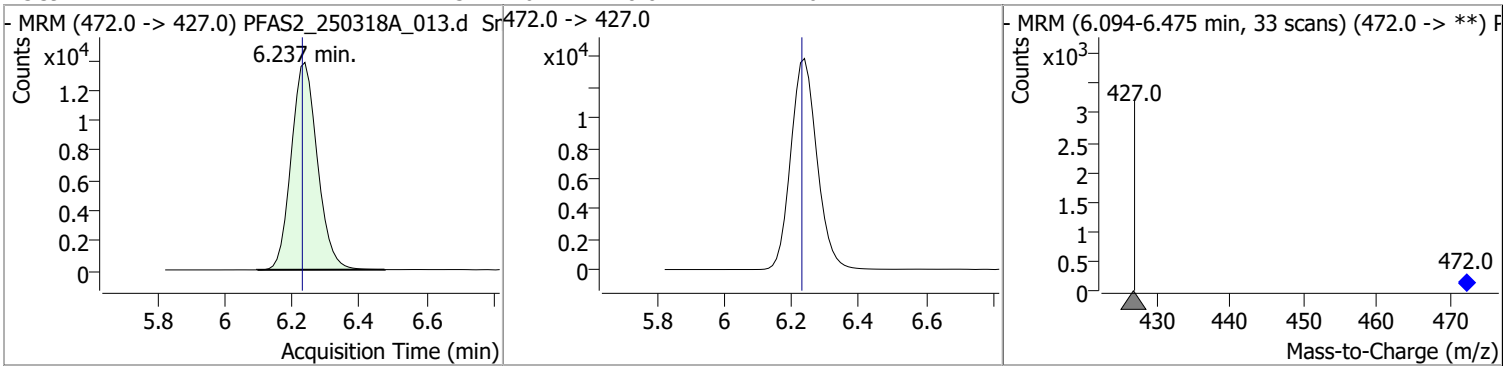
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.4358	5.97	0.01	133441	398.9 -> 99.0	53.6	34.6	64.2



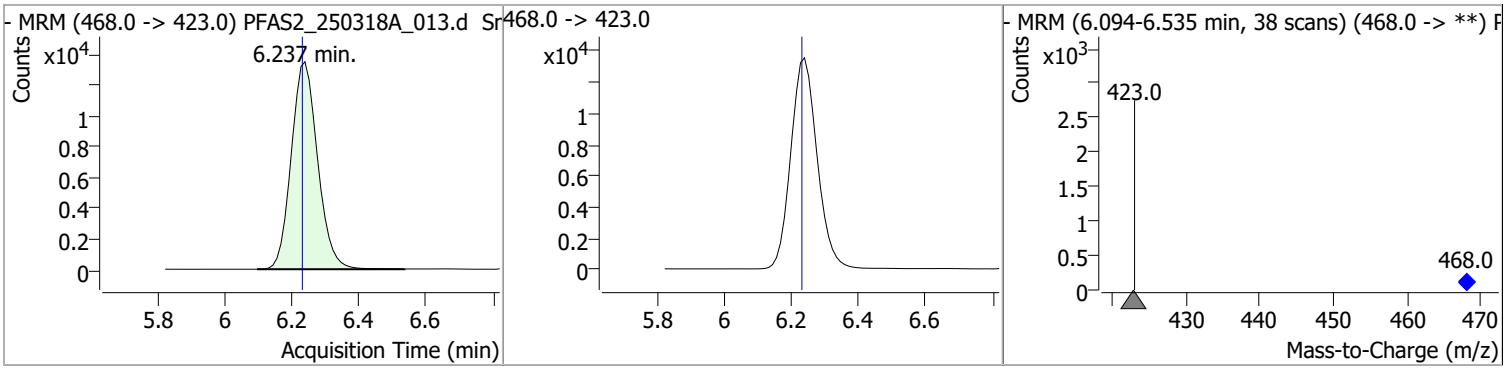




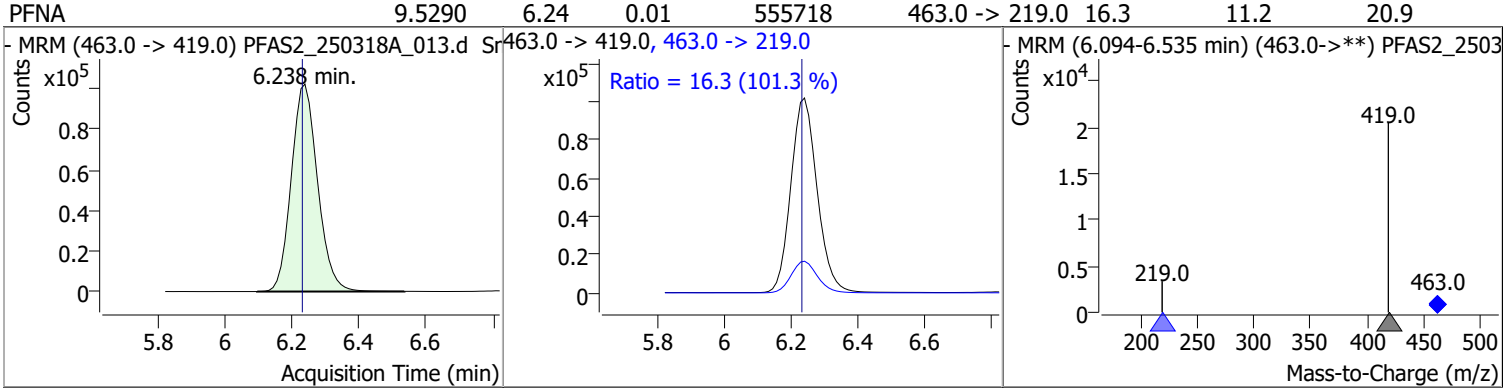
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2773	6.24	0.01	74746				



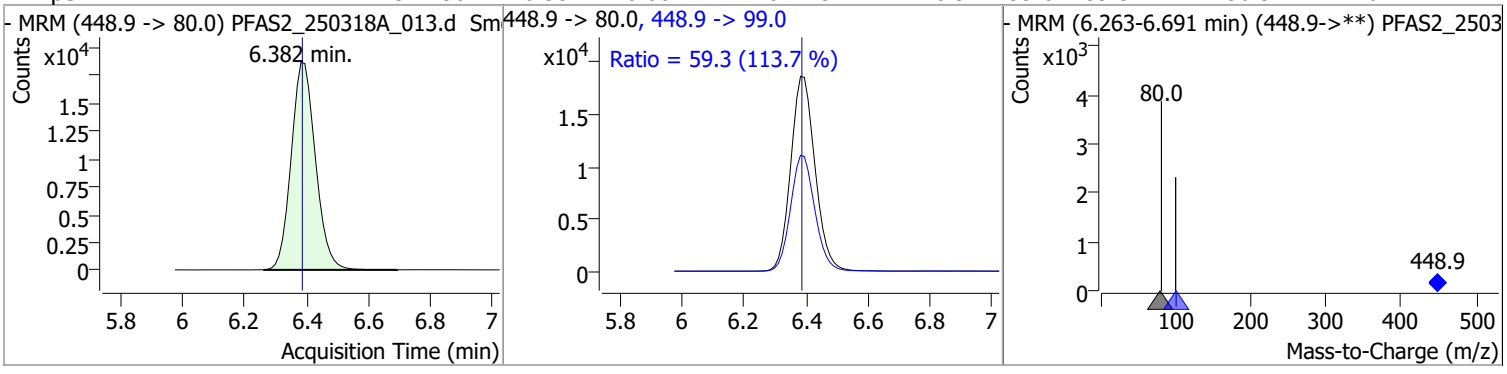
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.24	0.01	73853				



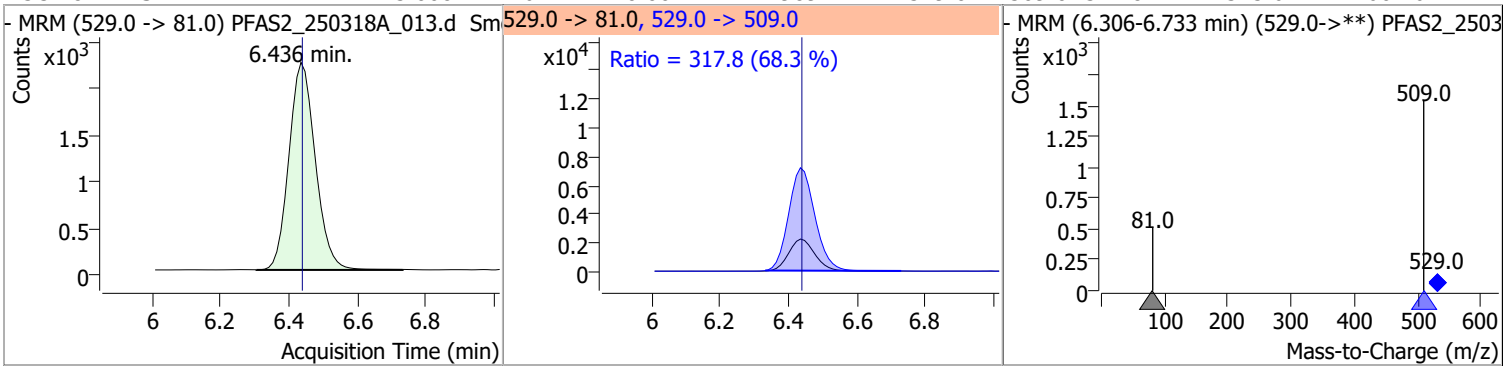
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.5290	6.24	0.01	555718	463.0 -> 219.0	16.3	11.2	20.9



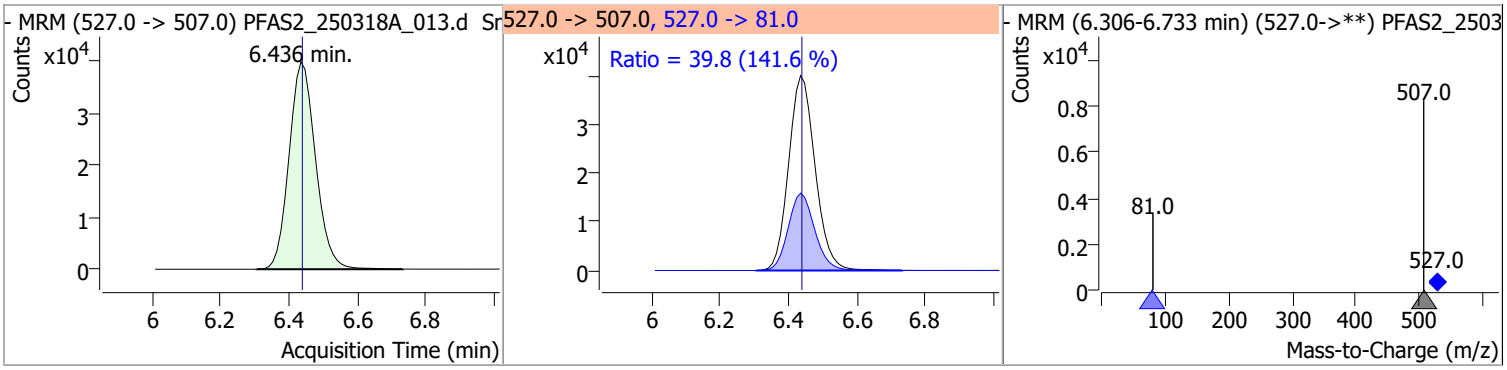
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.2756	6.38	0.00	101113	448.9 -> 99.0	59.3	36.5	67.7



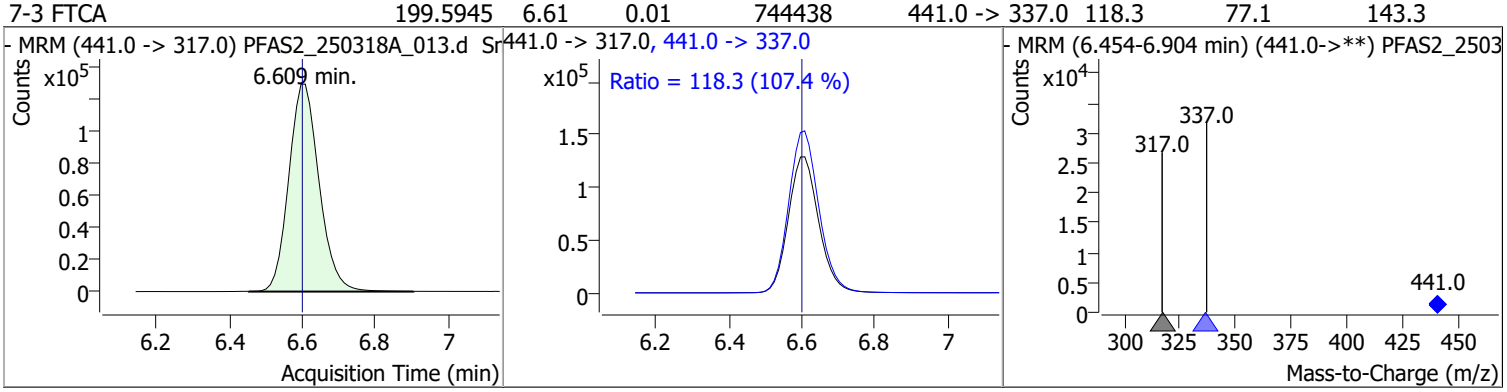
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0081	6.44	0.00	11989	529.0 -> 509.0	317.8	325.6	604.6



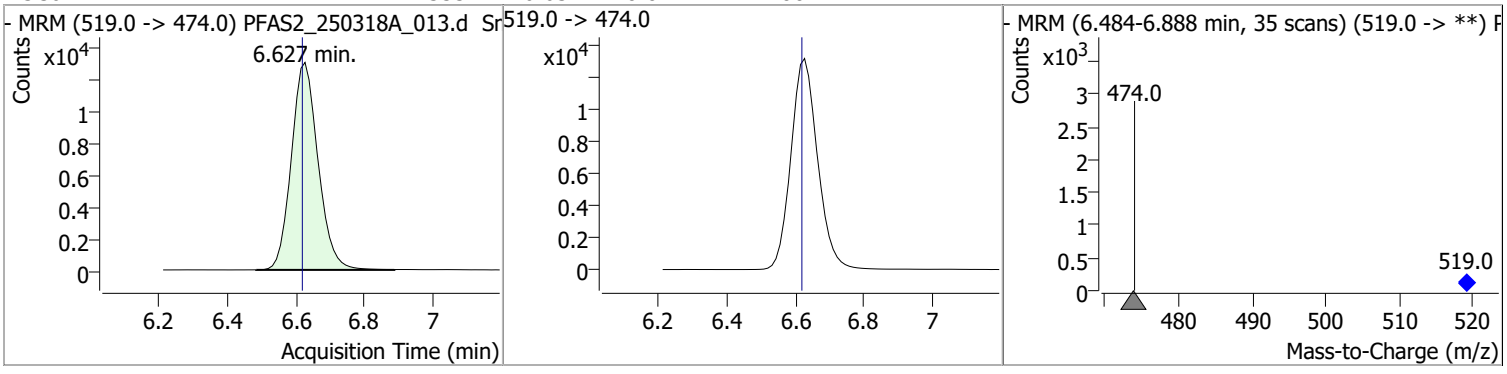
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	40.7545	6.44	0.00	214972	527.0 -> 81.0	39.8	19.7	36.6



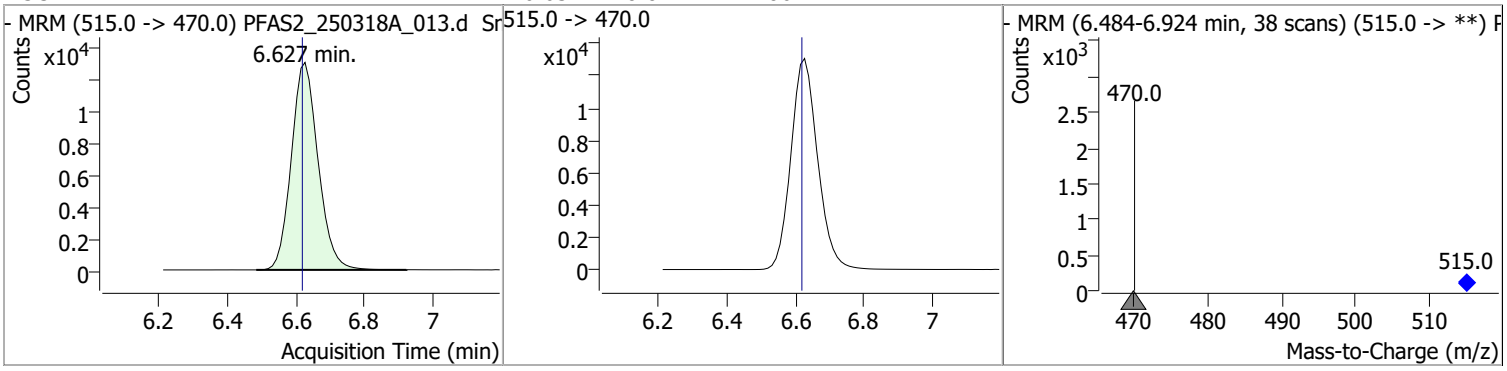
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	199.5945	6.61	0.01	744438	441.0 -> 337.0	118.3	77.1	143.3



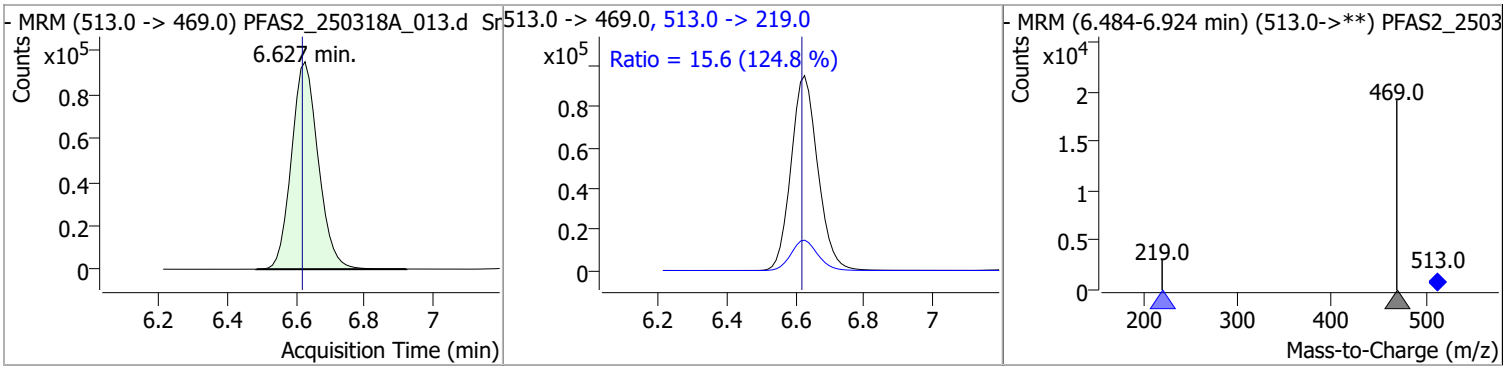
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2355	6.63	0.01	71004				



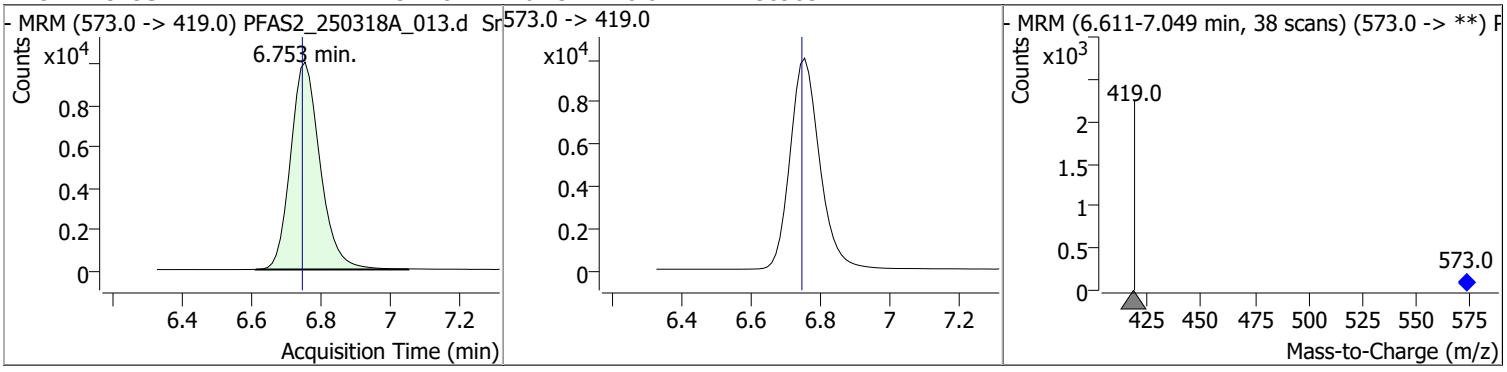
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.63	0.01	70624				



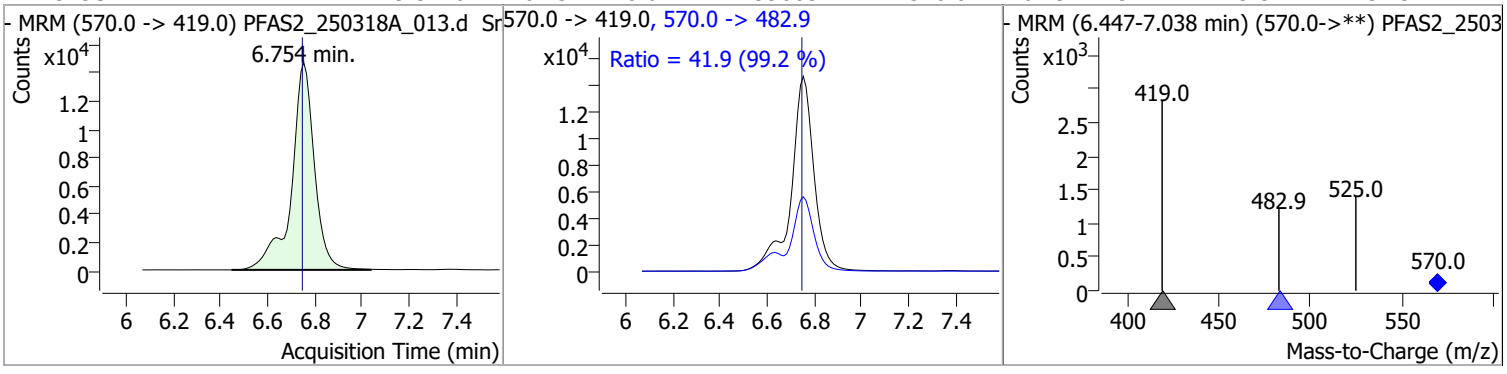
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.8274	6.63	0.01	516073	513.0 -> 219.0	15.6	8.7	16.2



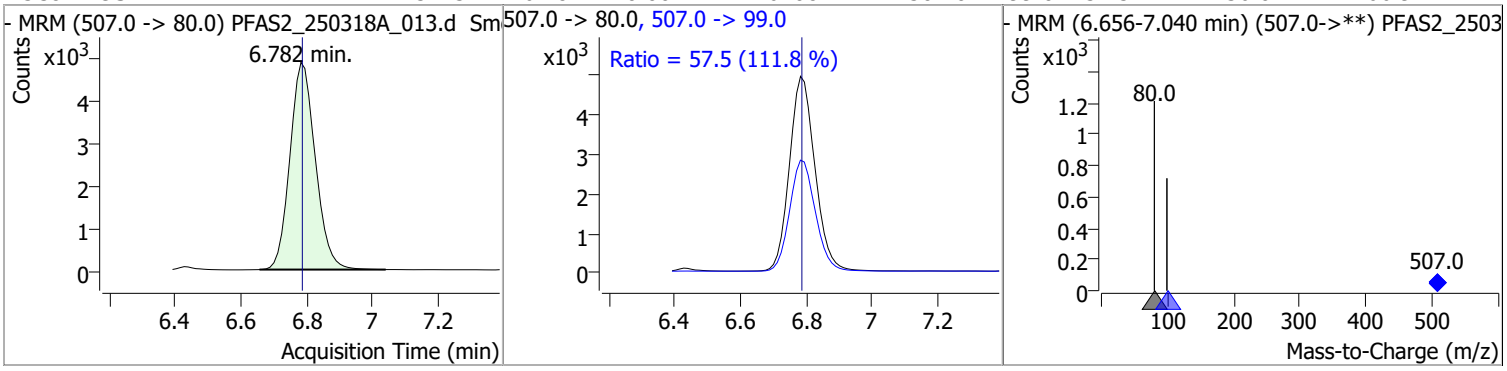
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1184	6.75	0.01	58983				



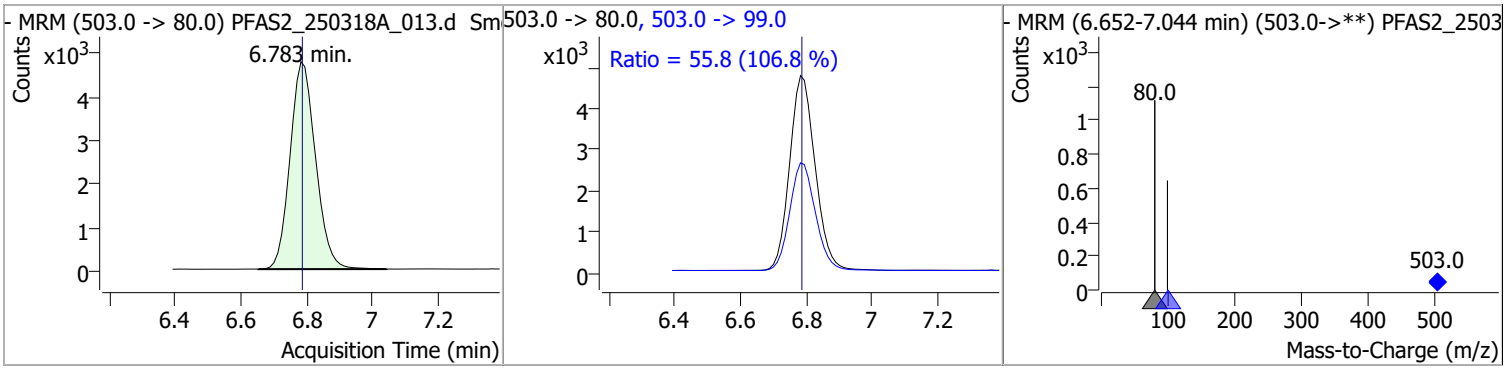
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.5778	6.75	0.01	99885	570.0 -> 482.9	41.9	29.5	54.9



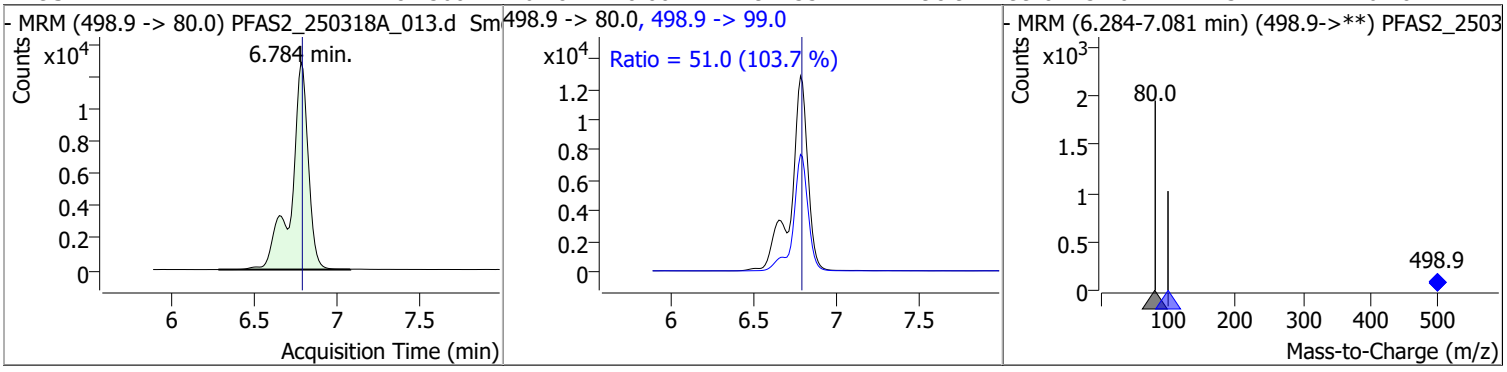
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5143	6.78	0.00	26208	507.0 -> 99.0	57.5	36.0	66.9



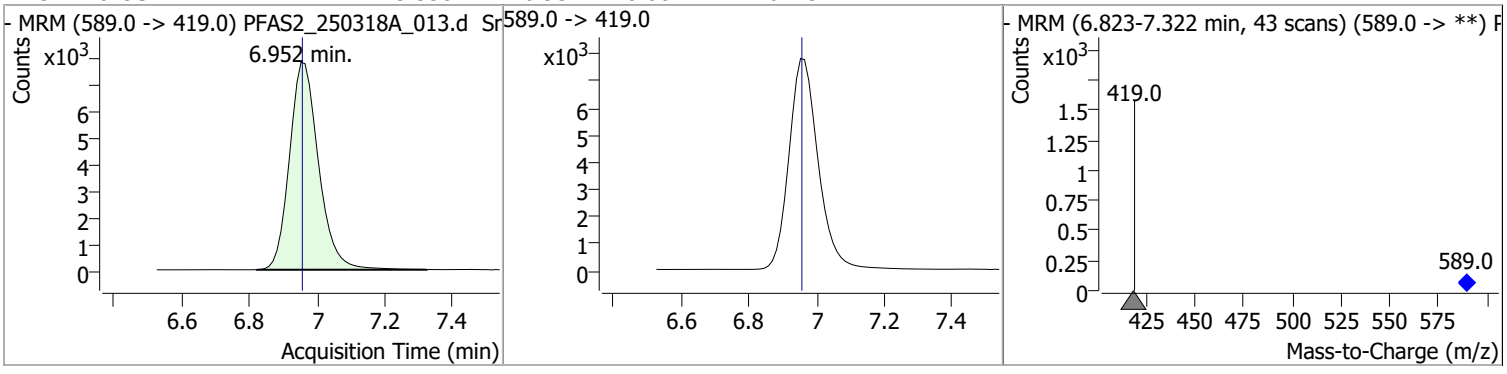
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	25683	503.0 -> 99.0	55.8	36.6	67.9



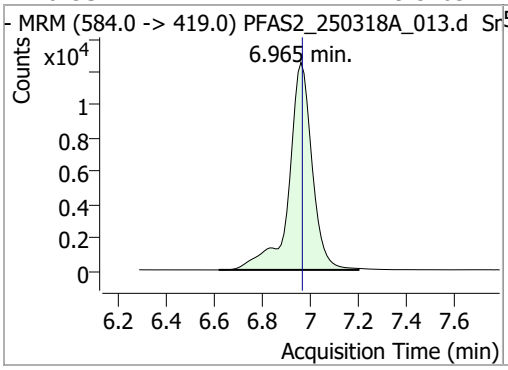
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.7560	6.78	0.00	92155	498.9 -> 99.0	51.0	34.4	64.0

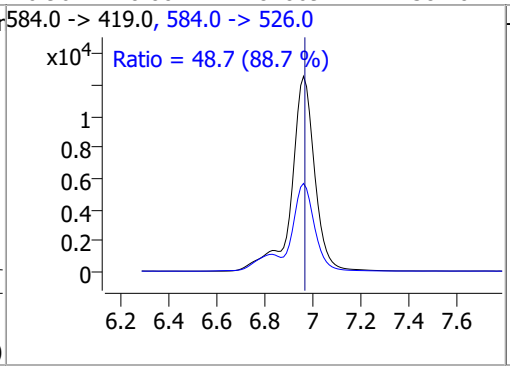


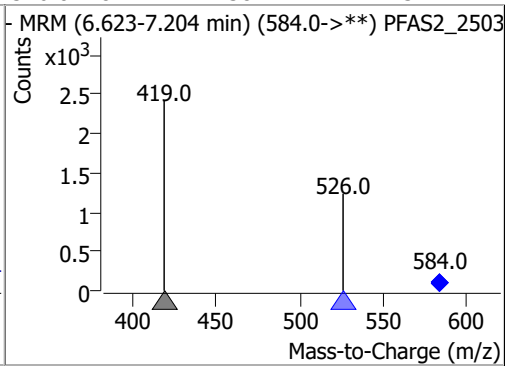
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.3381	6.95	0.00	46443				



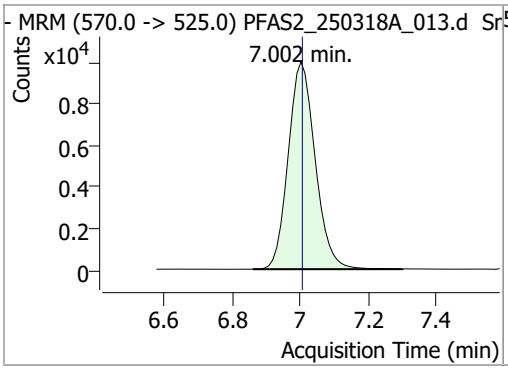
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.5763	6.96	0.00	84069	584.0 -> 526.0	48.7	38.4	71.3

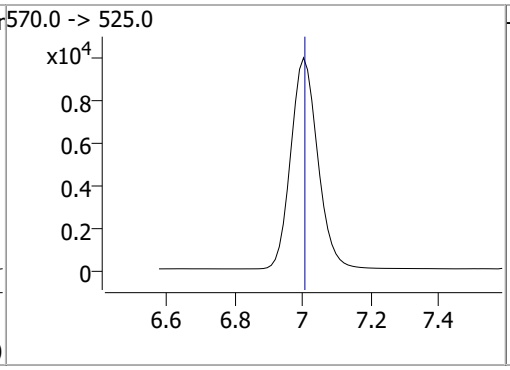


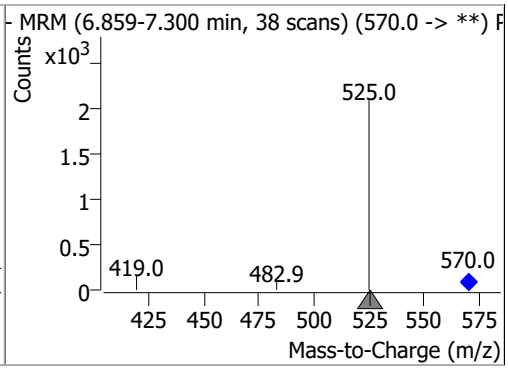




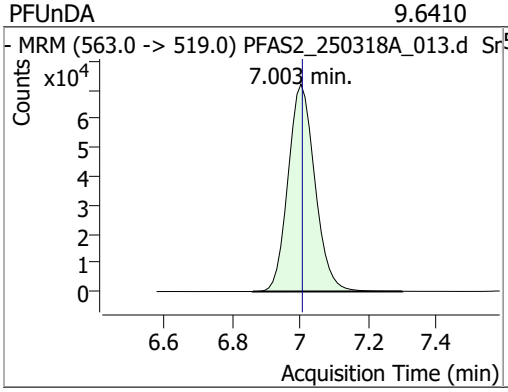
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2150	7.00	0.00	55030				

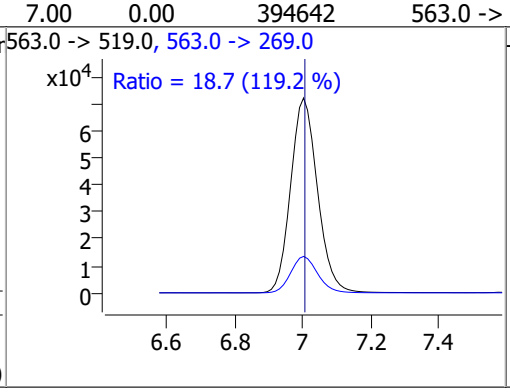


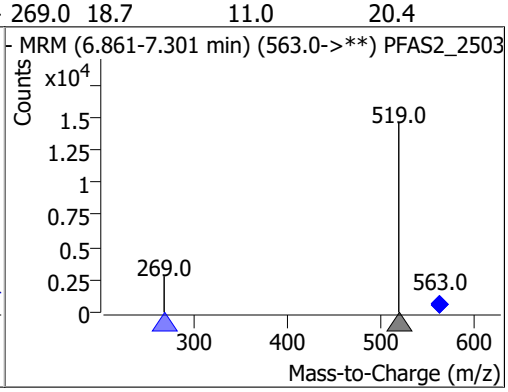




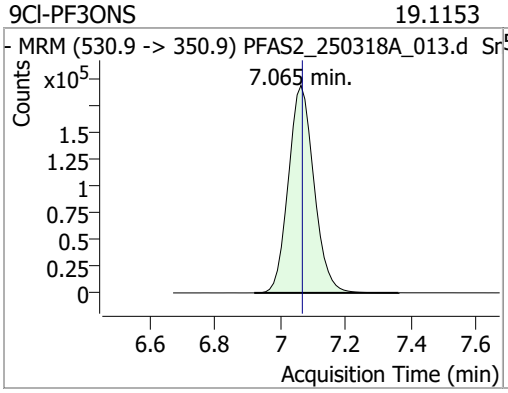
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6410	7.00	0.00	394642	563.0 -> 269.0	18.7	11.0	20.4

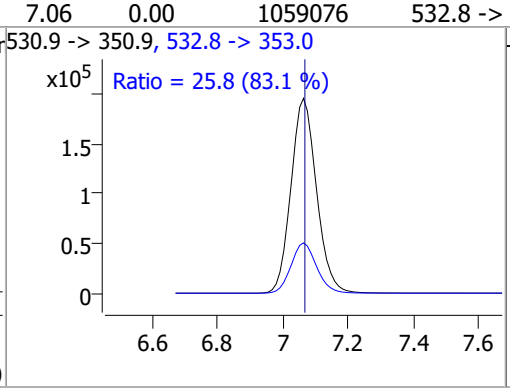


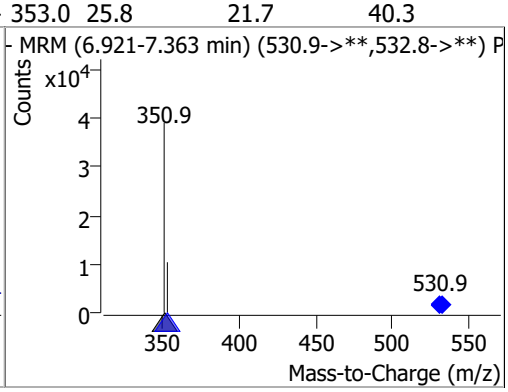




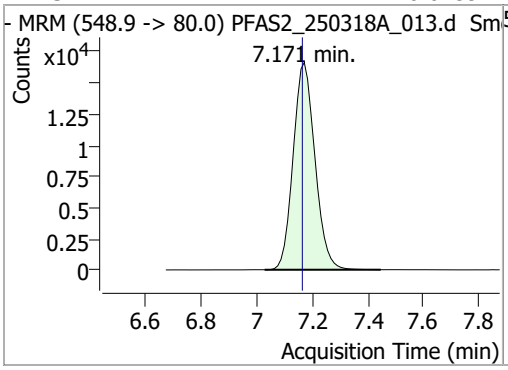
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	19.1153	7.06	0.00	1059076	532.8 -> 353.0	25.8	21.7	40.3

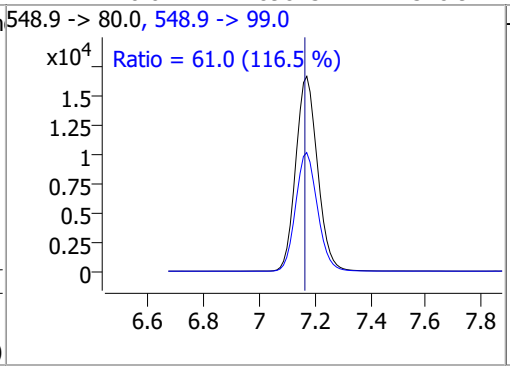


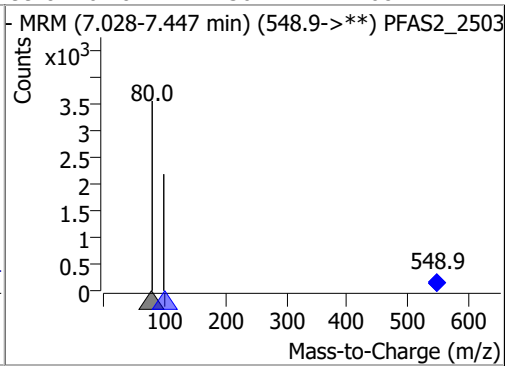




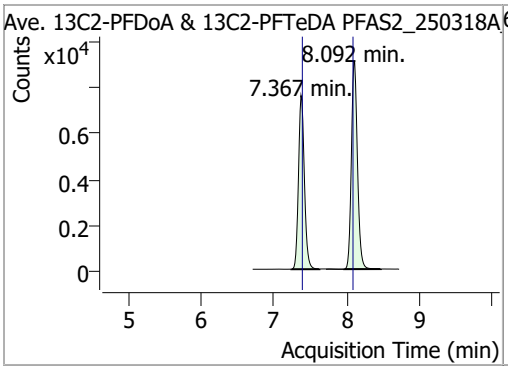
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	10.0459	7.17	0.01	89813	548.9 -> 99.0	61.0	36.7	68.1

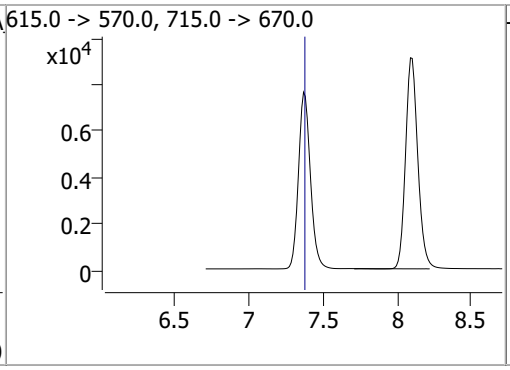


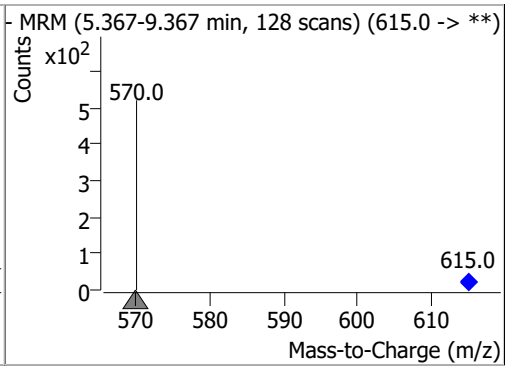




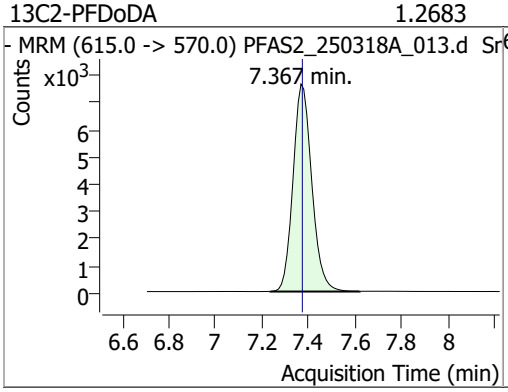
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2787	7.73	0.36	47736				

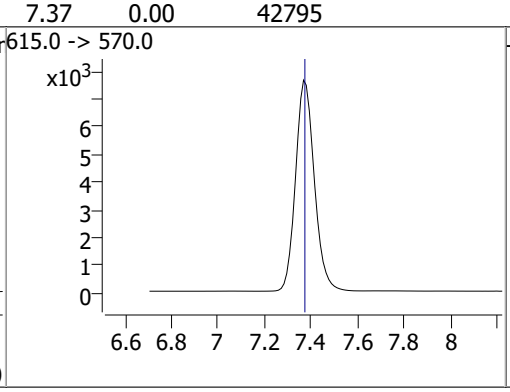


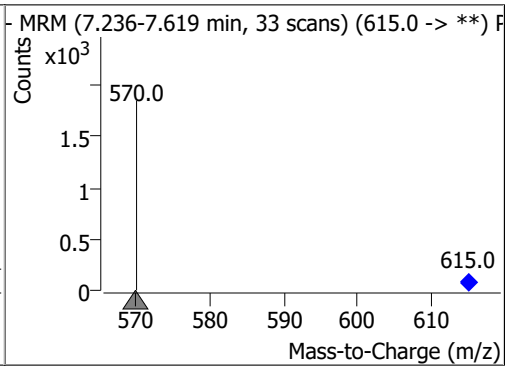




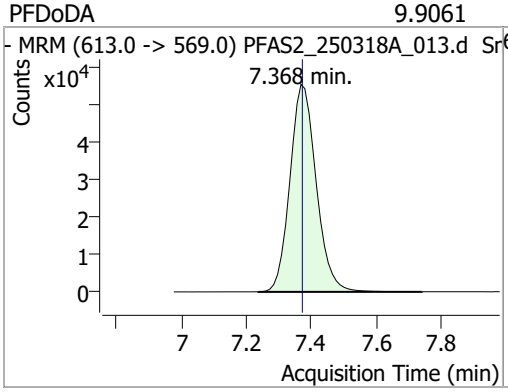
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2683	7.37	0.00	42795				

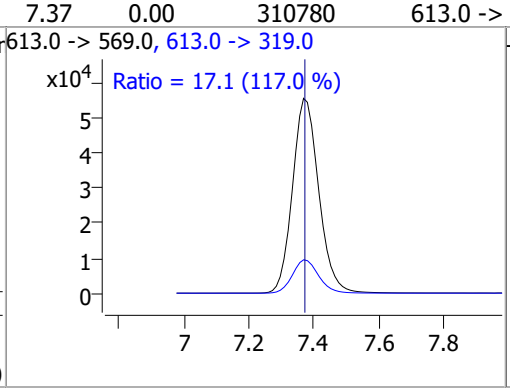


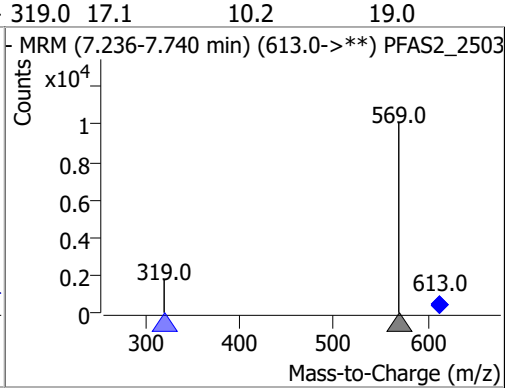




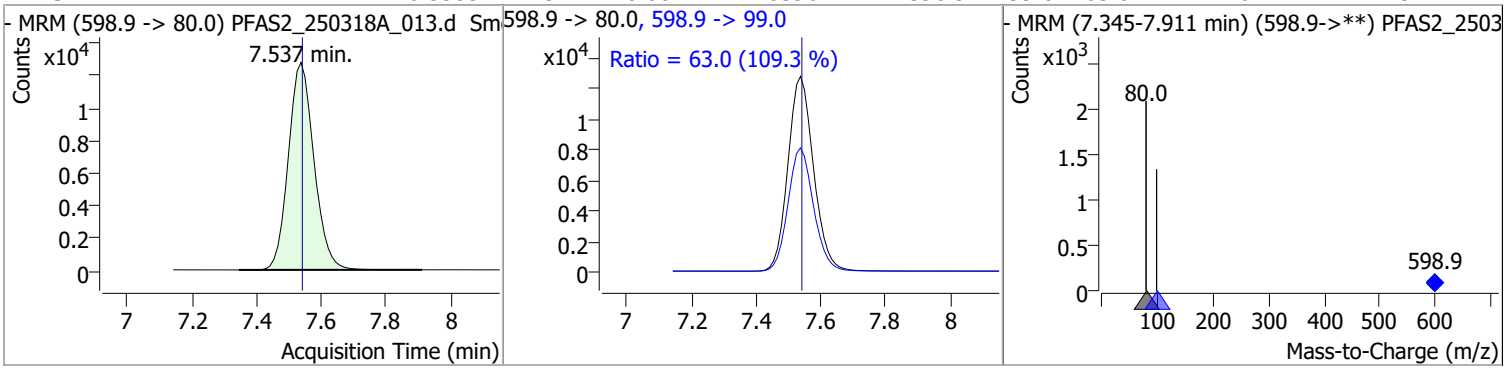
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.9061	7.37	0.00	310780	613.0 -> 319.0	17.1	10.2	19.0



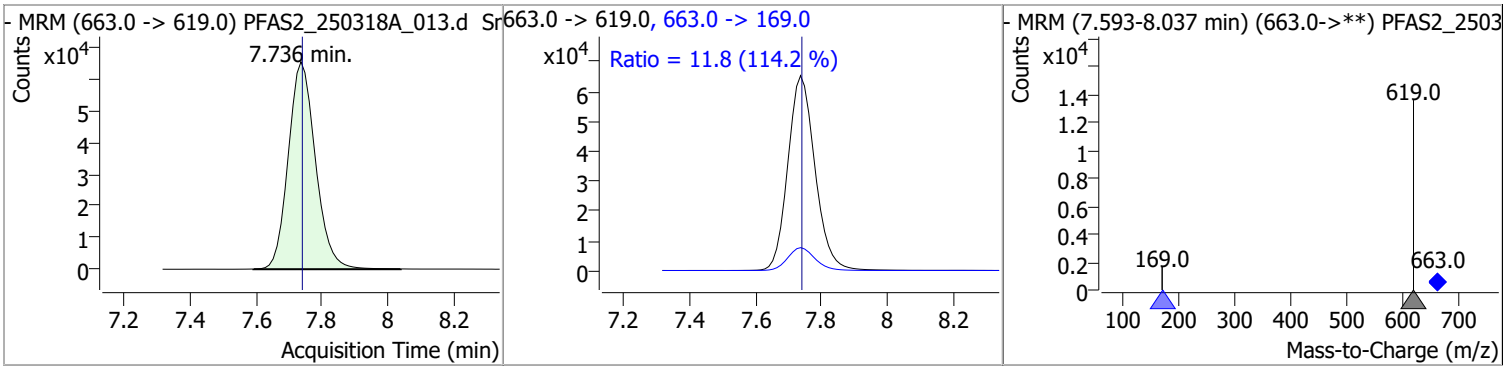




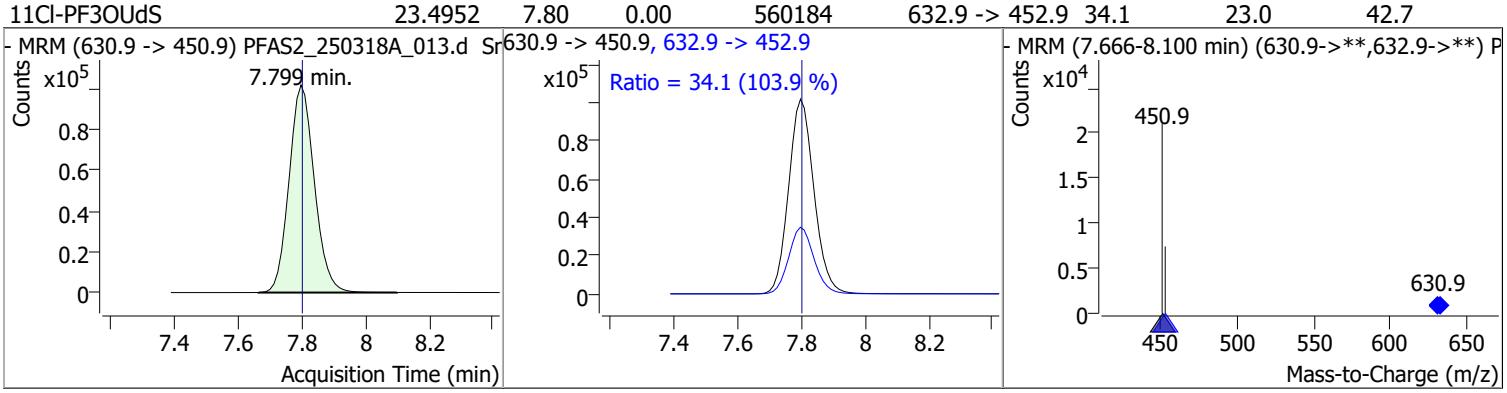
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.5383	7.54	0.00	70396	598.9 -> 99.0	63.0	40.4	74.9



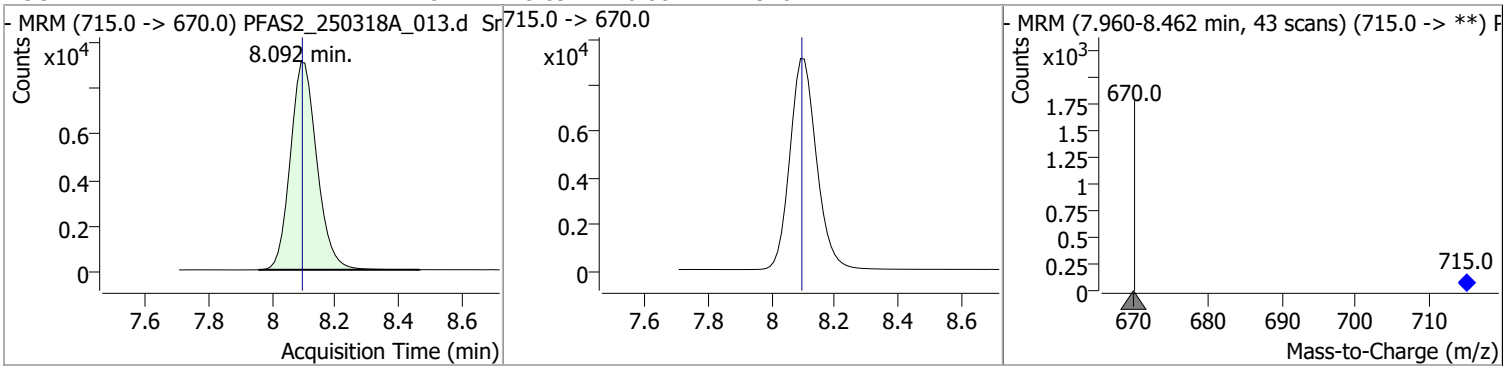
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.3349	7.74	0.00	371723	663.0 -> 169.0	11.8	7.2	13.4



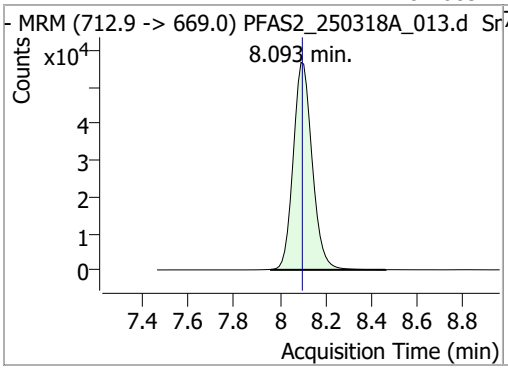
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	23.4952	7.80	0.00	560184	632.9 -> 452.9	34.1	23.0	42.7

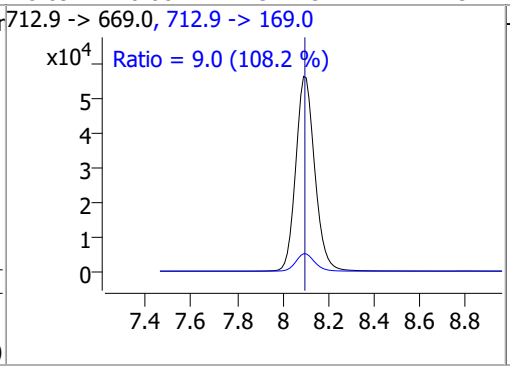


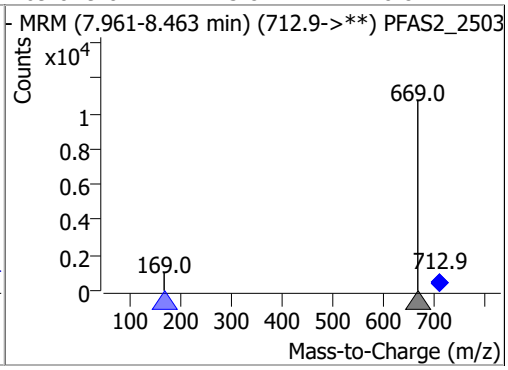
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2874	8.09	0.00	52677				



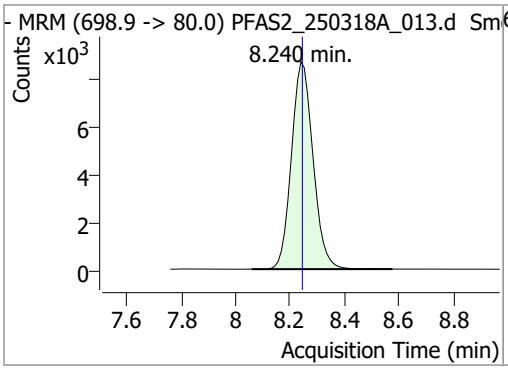
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.1689	8.09	0.00	327754	712.9 -> 169.0	9.0	5.8	10.8

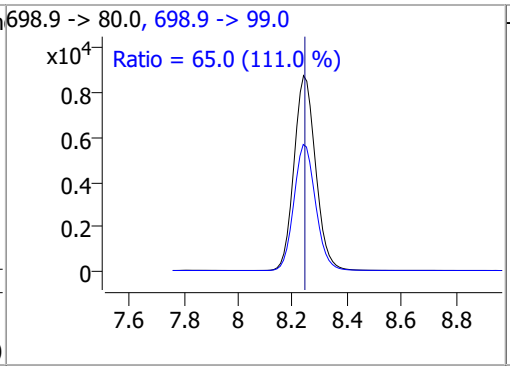


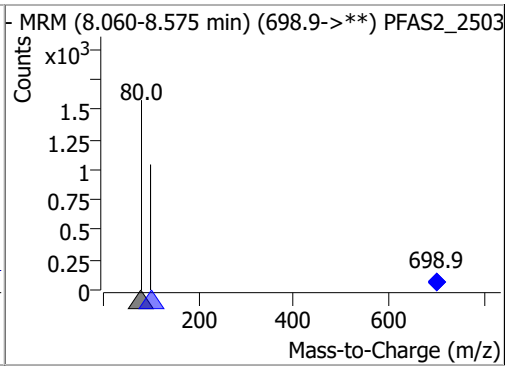




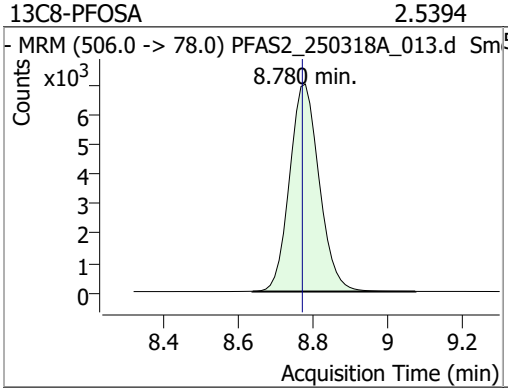
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	10.2925	8.24	0.00	48077	698.9 -> 99.0	65.0	41.0	76.1

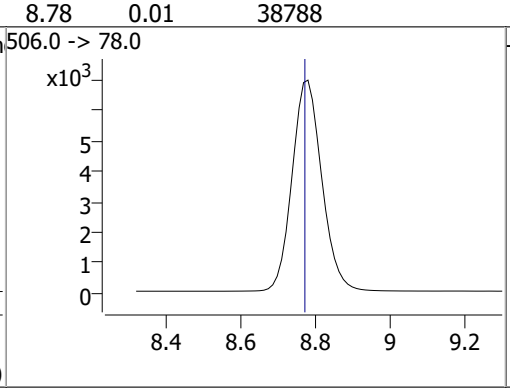


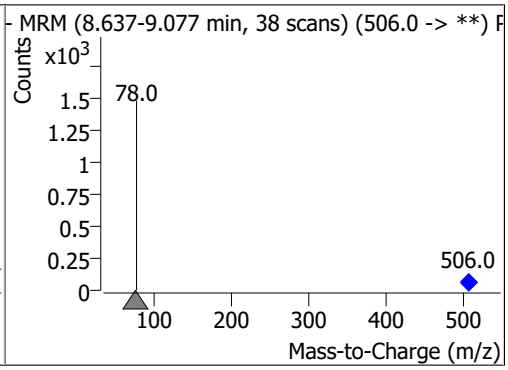




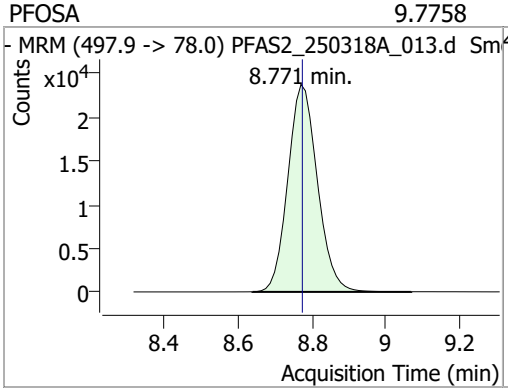
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5394	8.78	0.01	38788				

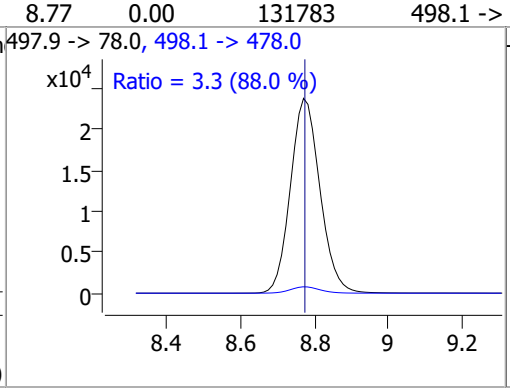


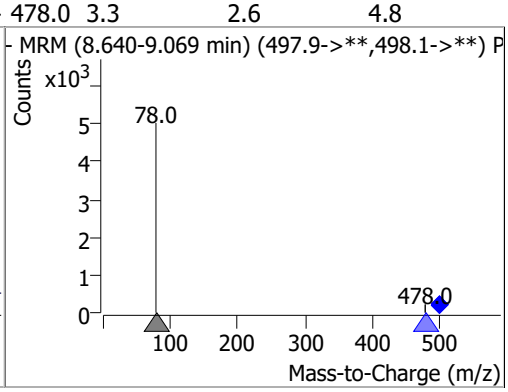




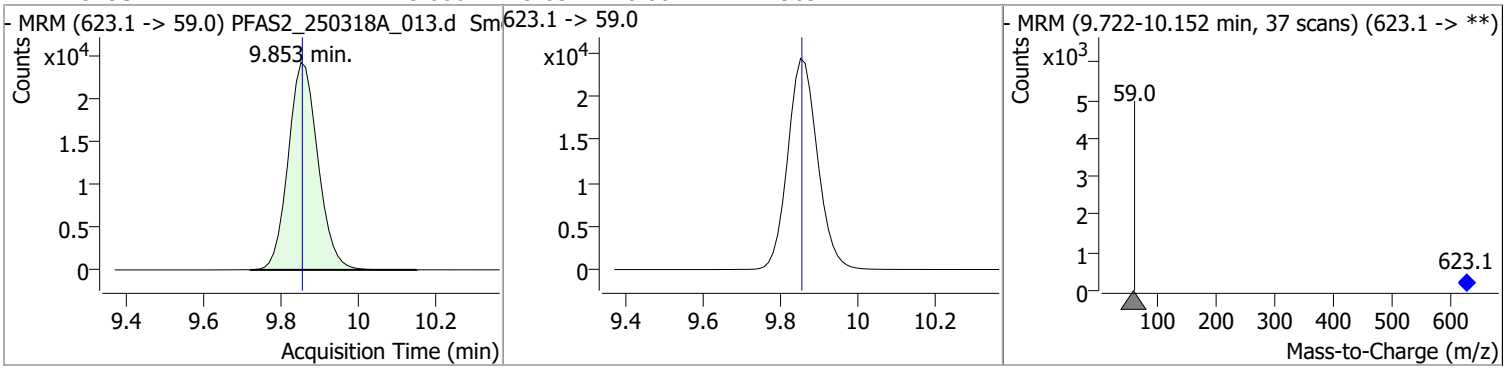
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.7758	8.77	0.00	131783	498.1 -> 478.0	3.3	2.6	4.8



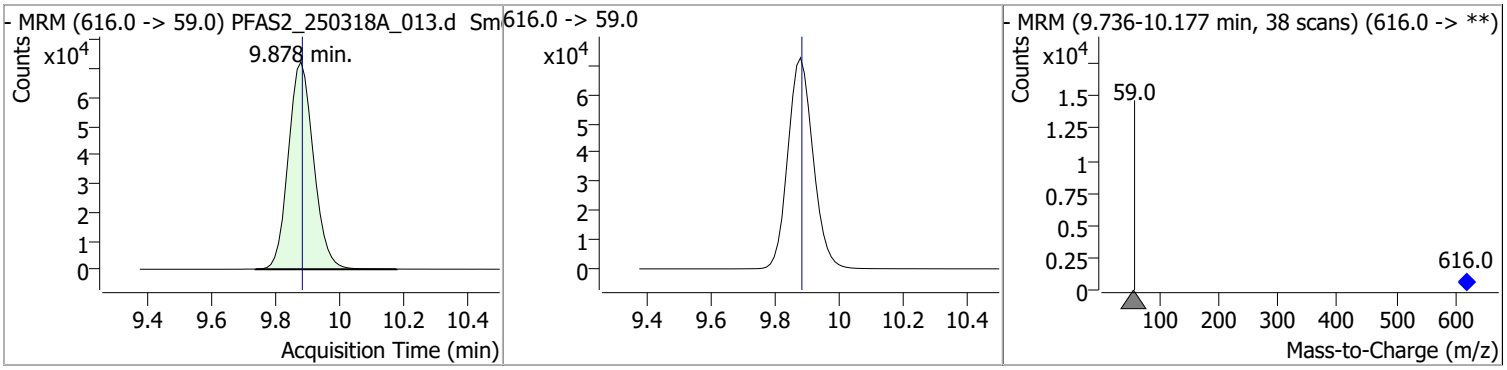




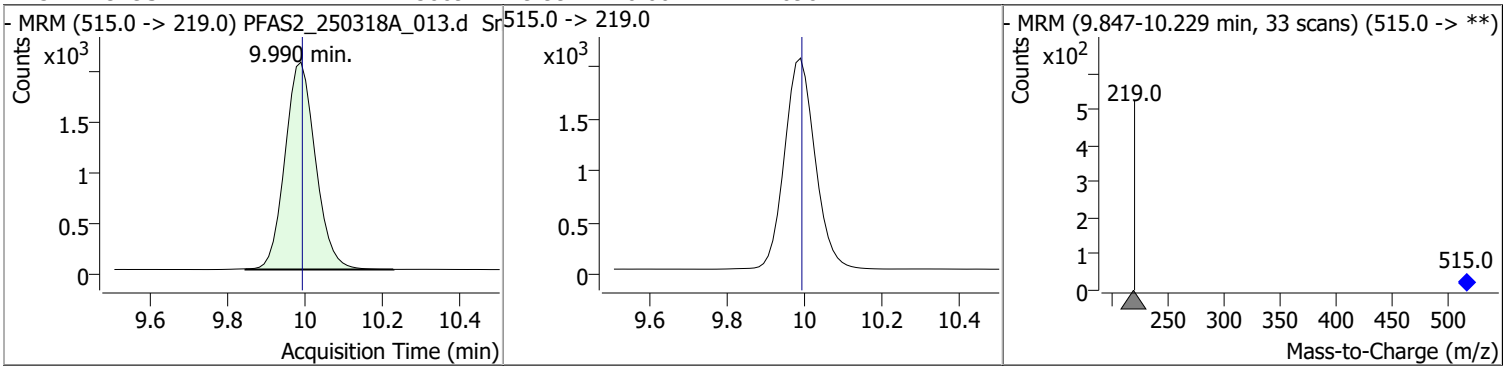
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.0862	9.85	0.00	129894				



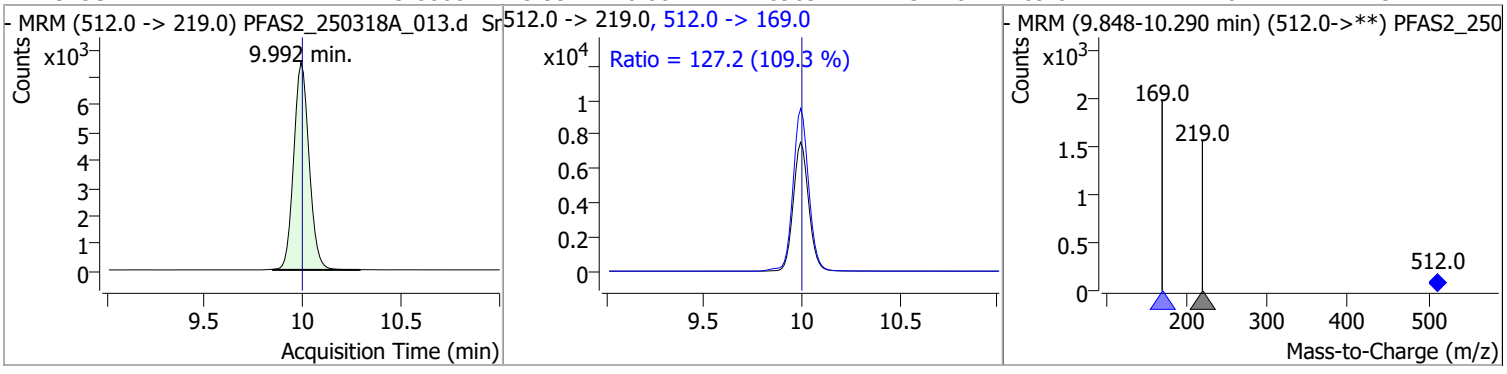
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	101.9219	9.88	0.00	396007				



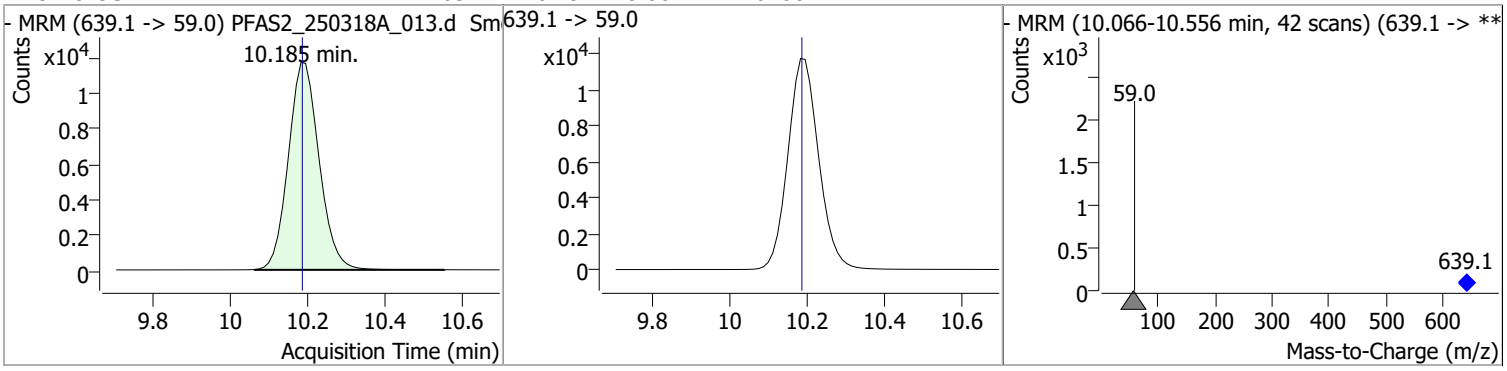
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5889	9.99	0.00	11098				



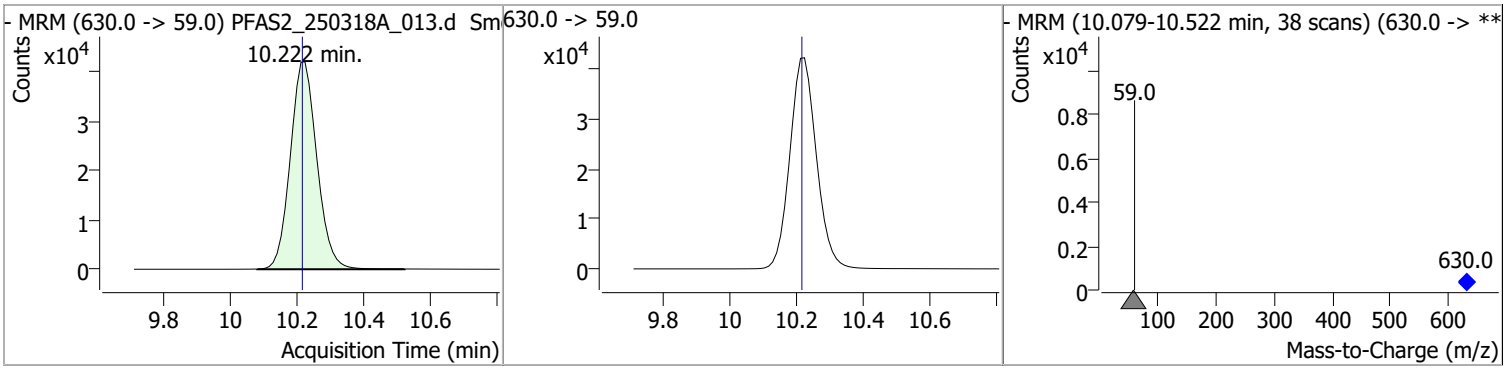
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8008	9.99	0.00	40909	512.0 -> 169.0	127.2	81.4	151.2



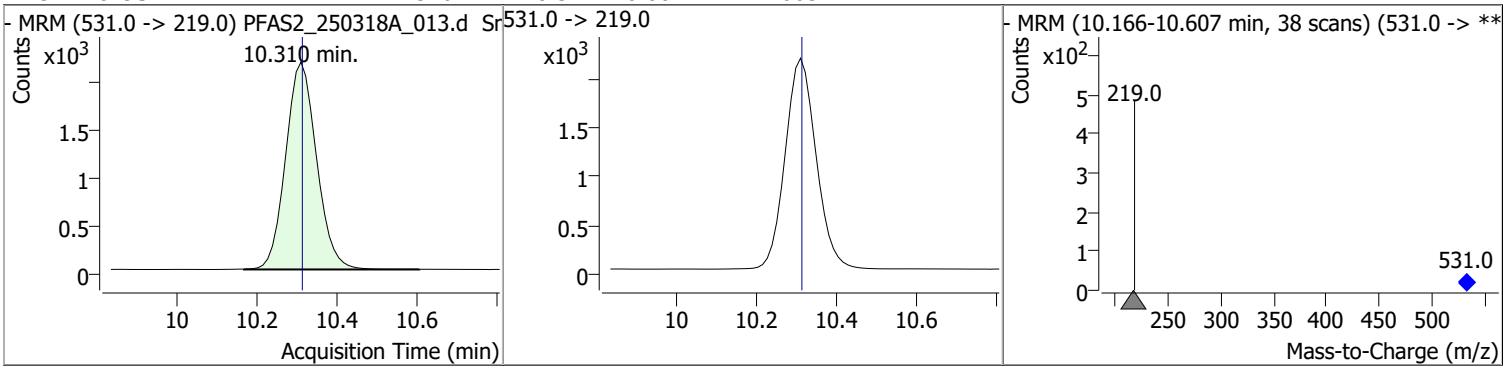
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.7631	10.19	0.00	64884				



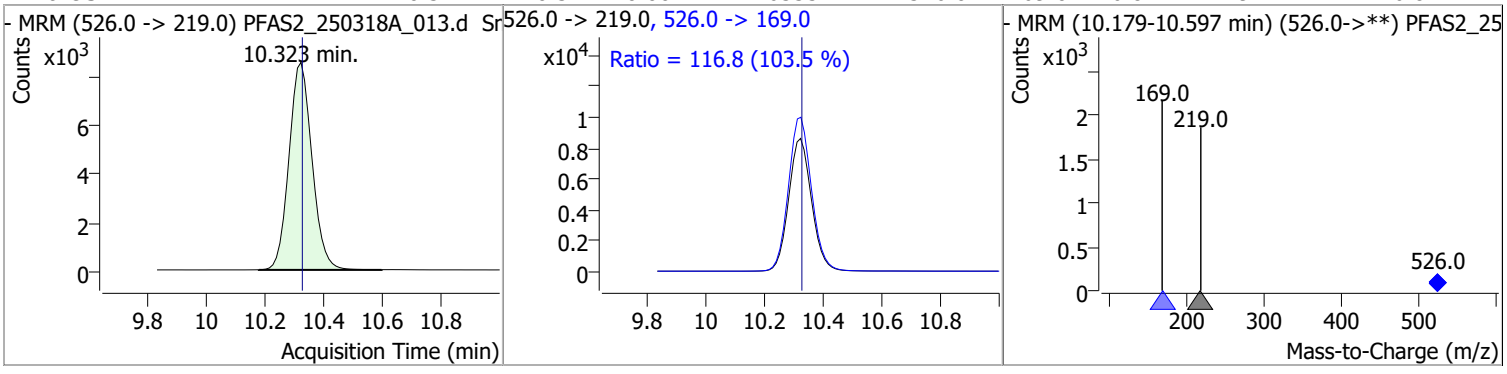
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	101.5729	10.22	0.01	233811				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5162	10.31	0.00	11663				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.3444	10.32	0.00	46535	526.0 -> 169.0	116.8	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_007.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV1 ( )	Injection Time:	14:45

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	38.6		26350.6			30
PFPeA	20.0	19.2		36571.305			30
PFHxA	10.0	10.5		62939.36			30
PFHpA	10.0	9.75		69799.83			30
PFOA	10.0	9.58		65345.18			30
PFNA	10.0	9.86		55327.73			30
PFDA	10.0	9.84		51793.7			30
PFUnA	10.0	9.91		40606.33			30
PFDoA	10.0	9.80		31660.76			30
PFTrDA	10.0	10.2		36861.59			30
PFTeDA	10.0	10.2		32515.54			30
PFBS	8.85	8.55		5485.641297812			30
PFPeS	9.40	9.97		0209.351063829			30
PFHxS	9.15	9.60		4398.206076698			30
PFHpS	9.55	9.04		0667.069179797			30
PFOS	9.30	8.54		993.3634408602			30
PFNS	9.60	9.79		9422.8125			30
PFDS	9.65	10.8		751.5017874091			30
PFDoS	9.70	9.62		4791.8551760974			30
4:2FTS	37.5	36.2		14498.888			30
6:2FTS	38.0	37.9		260.0289473684			30
8:2FTS	38.4	34.1		293.4192708333			30
PFOSA	10.0	10.0		12773.93			30
NMeFOSA	10.0	9.62		3904.513			30
NEtFOSA	10.0	10.4		4448.974			30
NMeFOSAA	10.0	9.57		9639.862			30
NEtFOSAA	10.0	9.69		8030.055			30
NMeFOSE	100	106		4138.924			30
NEtFOSE	100	105		2395.176			30
HFPO-DA	20.0	20.5		16442.635			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_007.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV1 ( )	Injection Time:	14:45

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	17.7		9720.529100529			30
9CL-PF3ONS	18.7	18.2		4071.443850267			30
11CL-PF3OUdS	18.9	20.7		6122.550264550			30
3:3FTCA	40.0	34.6		603.53775			30
5:3FTCA	200	182		4304.5355			30
7:3FTCA	200	194		3520.8465			30
PFEESA	17.8	18.2		4980.561797752			30
PFMPA	20.0	18.7		18542.025			30
PFMBA	20.0	18.9		27194.55			30
NFDHA	20.0	22.5		1391.1605			30
13C4-PFBA	10.0	9.85		.1373120738251			30
13C5-PFPeA	5.00	4.80		66962783697800			30
13C5-PFHxA	2.50	2.41		.0948543487456			30
13C4-PFHpA	2.50	2.37		1.2085107547872			30
13C8-PFOA	2.50	2.59		1.172738130302			30
13C9-PFNA	1.25	1.23		.0105487757586			30
13C6-PFDA	1.25	1.28		.0640105304805			30
13C7-PFUnA	1.25	1.26		82354058251393			30
13C2-PFDoA	1.25	1.35		65930925645751			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.33		71964778574904			30
13C2-PFTeDA	1.25	1.32		77998631504056			30
13C3-PFBS	2.50	2.54		.1454832939588			30
13C3-PFHxS	2.50	2.45		.1912173472831			30
13C8-PFOS	2.50	2.57		.0878595409967			30
13C2-4:2FTS	5.00	4.77		41753509956125			30
13C2-6:2FTS	5.00	4.44		22744380695241			30
13C2-8:2FTS	5.00	4.48		18463820452244			30
13C8-PFOSA	2.50	2.37		.4746440972187			30
D3-NMeFOSA	2.50	2.48		43307309470922			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_007.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV1 ( )	Injection Time:	14:45

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.37		44624373574572			30
D3-NMeFOSAA	5.00	4.88		.1438724021134			30
D5-NEtFOSAA	5.00	4.98		88040518378959			30
D7-NMeFOSE	25.0	24.9		52370269767904			30
D9-NEtFOSE	25.0	24.2		.2575829643597			30
13C3-HFPO-DA	10.0	9.99		2939762958637(			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250318A_016.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/18/2025 7:50:15 PM
Sample Name	SEQ-CCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250318AA.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

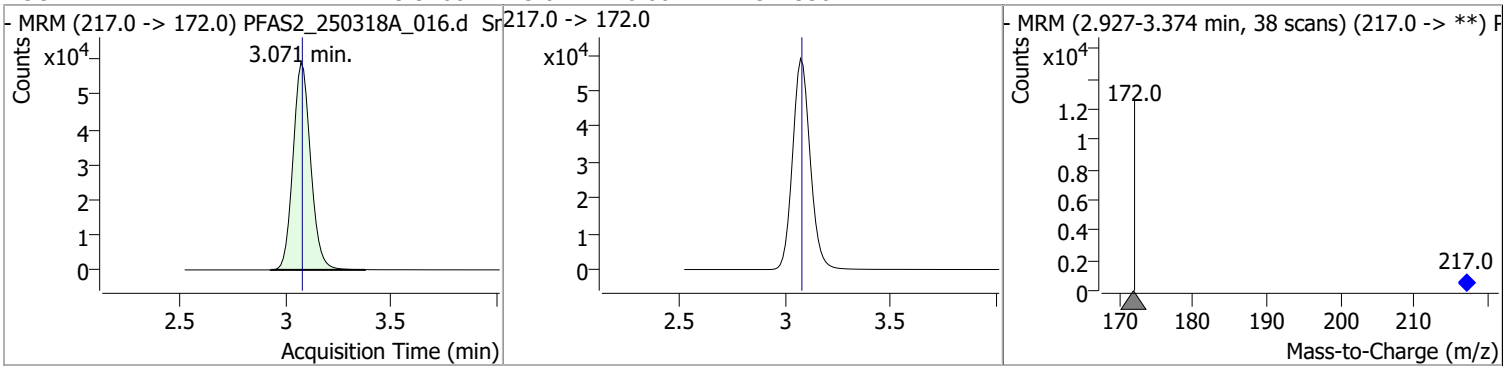
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	151195	5.0000	µg/L		10.488
13C2-PFHxA	4.890	315.0 -> 270.0	168748	2.5000	µg/L		9.988
18O2-PFHxS	5.967	403.0 -> 84.0	32641	2.5000	µg/L		10.161
13C4-PFOA	5.835	417.0 -> 172.0	17520	2.5000	µg/L		13.410
13C5-PFNA	6.226	468.0 -> 423.0	82515	1.2500	µg/L		15.938
13C2-PFDA	6.615	515.0 -> 470.0	70498	1.2500	µg/L		5.415
13C4-PFOS	6.783	503.0 -> 80.0	26472	2.5000	µg/L		6.273
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	341550	10.0000	µg/L		9.883
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.41%			
13C5-PFPeA	4.222	268.0 -> 223.0	225031	5.0000	µg/L		8.753
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.88%			
13C5-PFPeA	4.222	268.0 -> 223.0	225031	5.0000	µg/L		8.753
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.88%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	25478	5.0000	µg/L		0.846
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 91.92%			
13C5-PFHxA	4.889	318.0 -> 273.0	179000	2.5000	µg/L		6.015
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%			
13C5-PFHxA	4.889	318.0 -> 273.0	179000	2.5000	µg/L		6.015
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%			
13C3-PFBS	4.929	302.0 -> 80.0	64847	2.5000	µg/L		6.791
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.04%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	185193	10.0000	µg/L		5.964
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.34%			
13C4-PFHpA	5.397	367.0 -> 322.0	201488	2.5000	µg/L		6.671
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.02%			
13C3-PFHxS	5.956	402.0 -> 80.0	36984	2.5000	µg/L		5.824
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.09%			
13C2-6-2 FTSA	5.654	429.0 -> 81.0	15236	5.0000	µg/L		3.163
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.75%			
13C8-PFOA	5.835	421.0 -> 376.0	191418	2.5000	µg/L		10.813
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.73%			
13C3-PFHxS	5.956	402.0 -> 80.0	36984	2.5000	µg/L		5.824
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.09%			
13C9-PFNA	6.225	472.0 -> 427.0	75146	1.2500	µg/L		6.645
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 91.94%			
13C8-PFOS	6.782	507.0 -> 80.0	27173	2.5000	µg/L		7.471
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.17%			
13C2-8-2 FTSA	6.436	529.0 -> 81.0	12690	5.0000	µg/L	#	7.125
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.12%			
13C6-PFDA	6.615	519.0 -> 474.0	69003	1.2500	µg/L		1.535
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.23%			
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	61219	5.0000	µg/L		9.675
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.08%			
13C8-PFOS	6.782	507.0 -> 80.0	27173	2.5000	µg/L		7.471

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.17%		
2H5-N-EtFOSAA	6.952	589.0 -> 419.0	46661	5.0000	µg/L	10.652
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.07%		
13C7-PFUnDA	7.002	570.0 -> 525.0	57885	1.2500	µg/L	7.989
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.43%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.729	615.0 -> 570.0	47089	1.2500	µg/L	6.740
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.09%		
13C2-PFDoDA	7.367	615.0 -> 570.0	42224	1.2500	µg/L	5.704
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.28%		
13C2-PFTDA	8.092	715.0 -> 670.0	51953	1.2500	µg/L	7.597
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.76%		
13C8-PFOSA	8.768	506.0 -> 78.0	39051	2.5000	µg/L	5.656
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%		
2H7-MeFOSE	9.853	623.1 -> 59.0	134114	25.0000	µg/L	6.741
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.52%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	10362	2.5000	µg/L	-0.072
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.81%		
2H9-EtFOSE	10.185	639.1 -> 59.0	68774	25.0000	µg/L	8.289
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.86%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	11840	2.5000	µg/L	5.341
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.13%		
Target Compounds						QValue
PFBA	3.079	213.0 -> 169.0	1161076	38.7990	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.00%		
PFMPA	3.614	229.0 -> 85.0	416827	19.2280	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.14%		
3-3 FTCA	3.778	241.0 -> 177.0	29526	38.4686	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.17%		
PFPeA	4.223	263.0 -> 219.0	806882	19.3726	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.86%		
PFMBA	4.465	279.0 -> 85.0	598589	18.9516	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.76%		
4-2 FTSA	4.698	327.0 -> 307.0	585541	37.8139	µg/L	98
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 100.84%		
NFDHA	4.823	295.0 -> 201.0	27521	20.9047	µg/L	93
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 104.52%		
PFHxA	4.892	313.0 -> 269.0	634574	9.9072	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%		
PFBS	4.930	298.9 -> 80.0	242135	8.9988	µg/L	93
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 101.45%		
HFPO-DA	5.087	285.0 -> 169.0	347057	21.1226	µg/L	91
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 105.61%		
PFEESA	5.201	314.9 -> 135.0	1626294	18.4123	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 103.44%		
PFHpA	5.398	363.0 -> 319.0	747402	9.6030	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.03%		
5-3 FTCA	5.458	341.0 -> 237.0	1004448	198.4507	µg/L	93
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.23%		
PFPeS	5.494	348.9 -> 80.0	205920	10.3118	µg/L	92
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 109.58%		
DONA	5.551	377.0 -> 251.0	2012982	18.4378	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 97.55%		
6-2 FTSA	5.654	427.0 -> 407.0	393344	37.4479	µg/L	92
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 98.55%		

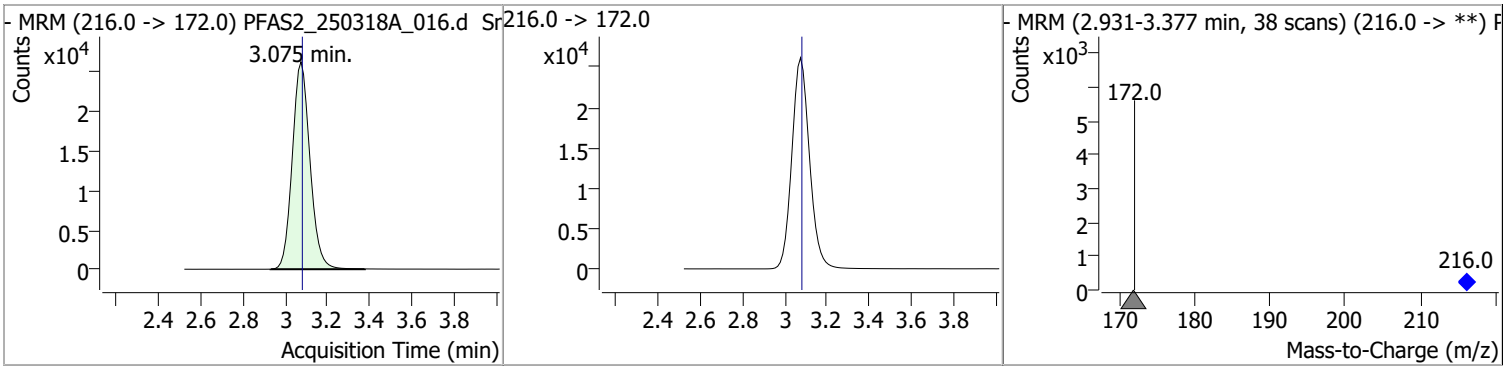
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFOA	5.836	413.0 -> 369.0	712492	9.4189	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.19%			
PFHxS	5.957	398.9 -> 80.0	134133	9.3243	µg/L		92
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 102.02%			
PFNA	6.226	463.0 -> 419.0	567796	9.6841	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.84%			
PFHpS	6.382	448.9 -> 80.0	105316	9.3182	µg/L		91
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.78%			
8-2 FTSA	6.436	527.0 -> 507.0	211819	37.8471	µg/L	#	76
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 98.56%			
7-3 FTCA	6.597	441.0 -> 317.0	770002	199.1177	µg/L		94
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.56%			
PFDA	6.615	513.0 -> 469.0	540546	10.5831	µg/L		94
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 105.83%			
N-MeFOSAA	6.754	570.0 -> 419.0	103640	9.5749	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.75%			
PFOS	6.784	498.9 -> 80.0	93228	8.5444	µg/L		96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 92.07%			
N-EtFOSAA	6.965	584.0 -> 419.0	84830	9.6177	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.18%			
PFUnDA	7.003	563.0 -> 519.0	435307	10.1091	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.09%			
9Cl-PF3ONS	7.065	530.9 -> 350.9	1059258	18.5698	µg/L		93
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 99.30%			
PFNS	7.159	548.9 -> 80.0	92074	9.9332	µg/L		90
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 103.26%			
PFDoDA	7.368	613.0 -> 569.0	317421	10.2547	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.55%			
PFDS	7.537	598.9 -> 80.0	72243	10.4310	µg/L		96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 108.09%			
PFTrDA	7.736	663.0 -> 619.0	366623	10.3332	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.33%			
11Cl-PF3OUdS	7.799	630.9 -> 450.9	531446	21.6652	µg/L		95
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 114.63%			
PFTDA	8.093	712.9 -> 669.0	317141	9.9767	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.77%			
PFDoS	8.240	698.9 -> 80.0	49523	10.2257	µg/L		97
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 105.42%			
PFOSA	8.771	497.9 -> 78.0	133309	9.8223	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.22%			
MeFOSE	9.878	616.0 -> 59.0	399859	99.6587	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.66%			
N-MeFOSA	9.992	512.0 -> 219.0	38926	9.9880	µg/L		90
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.88%			
EtFOSE	10.210	630.0 -> 59.0	244209	100.0720	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 100.07%			
N-EtFOSA	10.323	526.0 -> 219.0	46611	10.2058	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.06%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

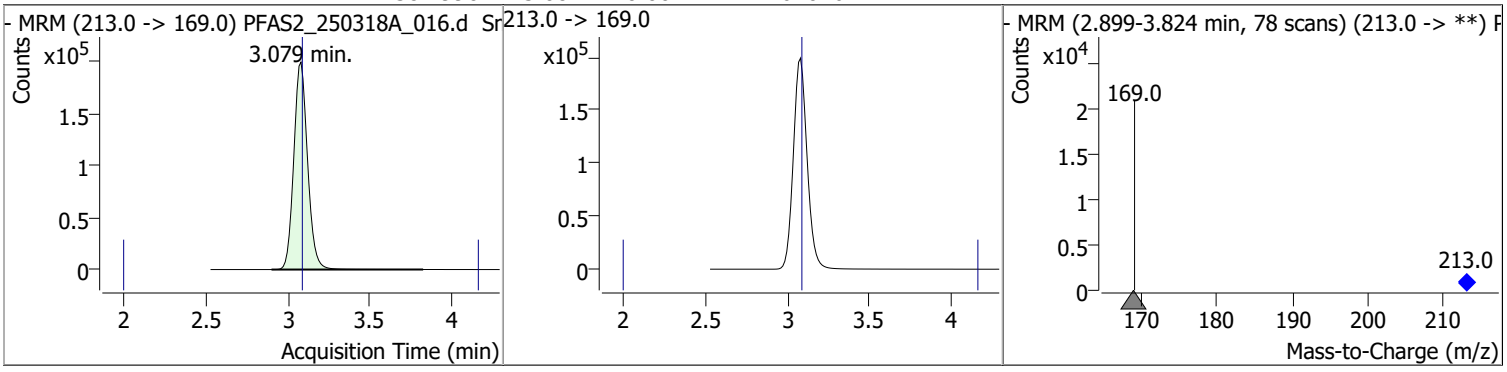
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9408	3.07	0.00	341550				



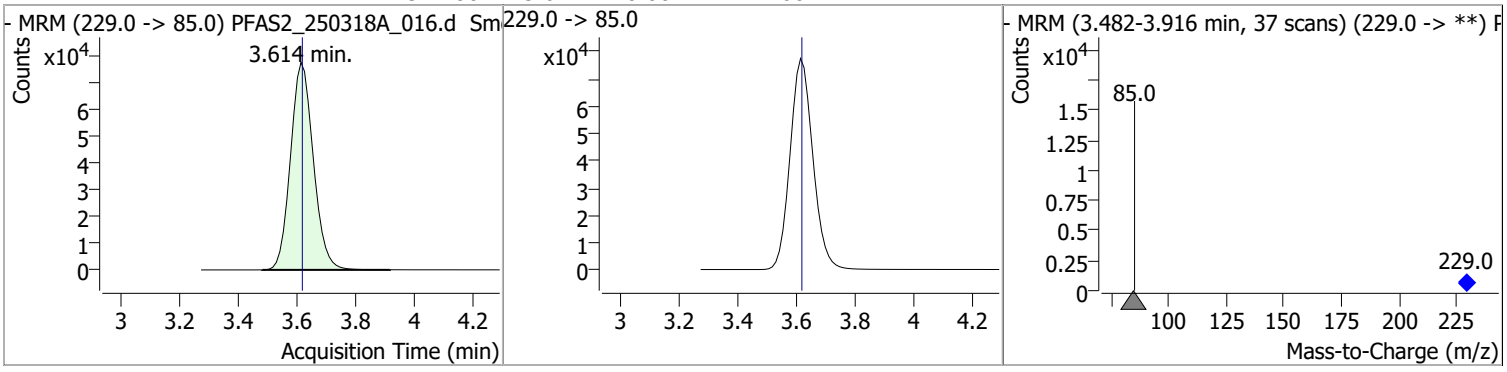
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.00	151195				



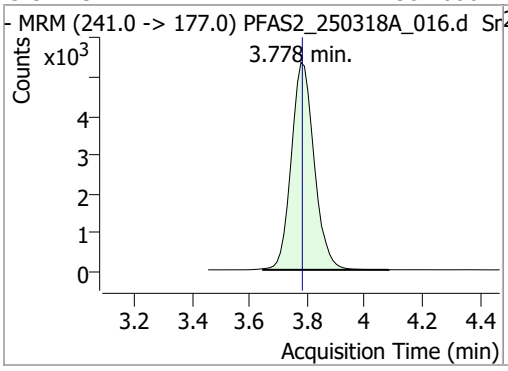
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.7990	3.08	0.00	1161076				

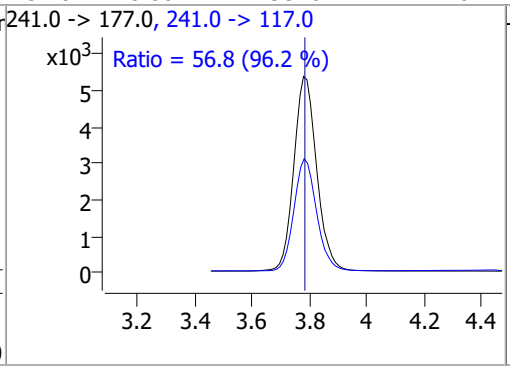


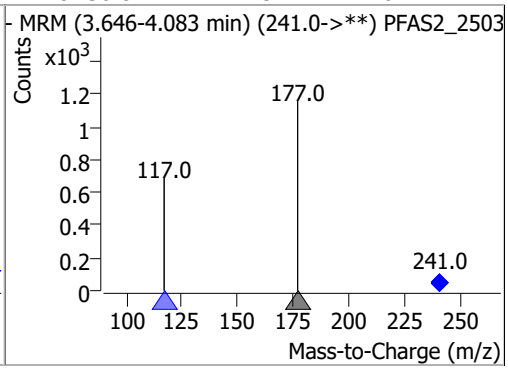
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.2280	3.61	0.00	416827				



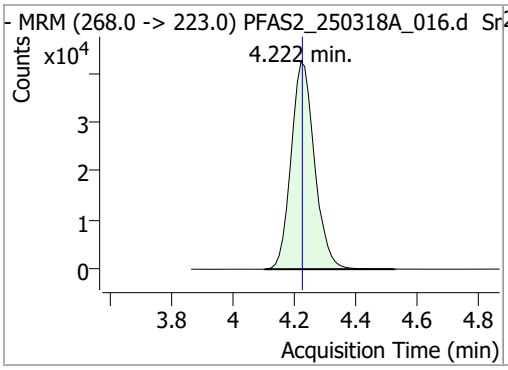
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	38.4686	3.78	0.00	29526	241.0 -> 117.0	56.8	41.3	76.7

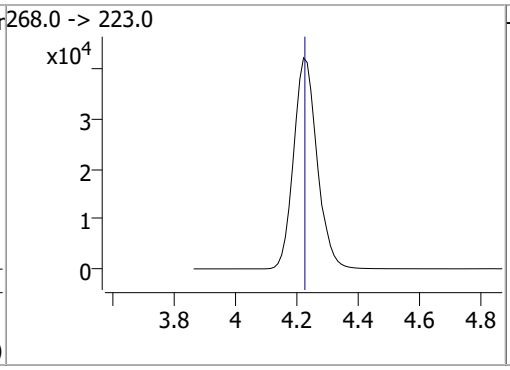


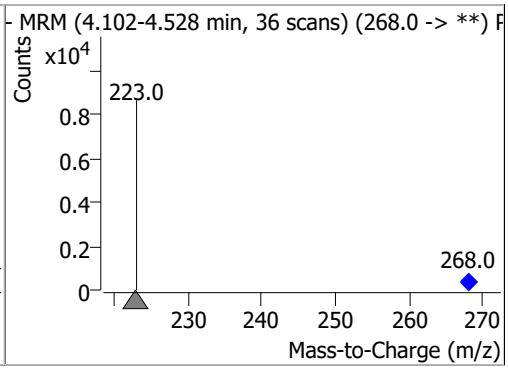




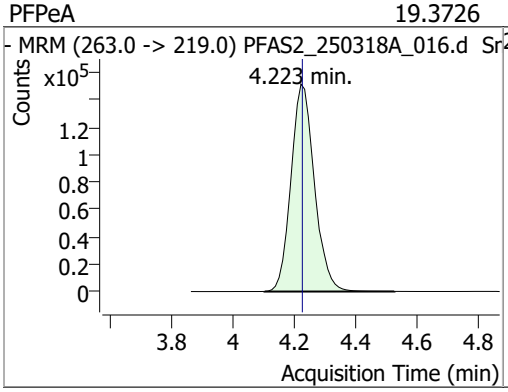
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9442	4.22	0.00	225031				

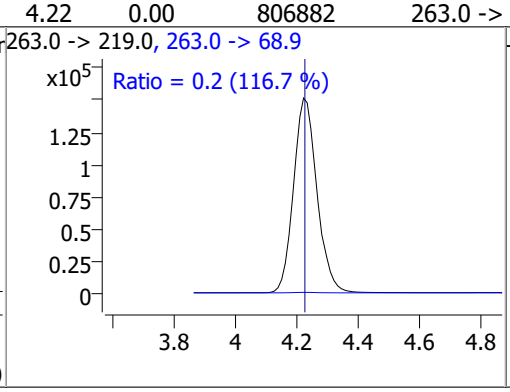


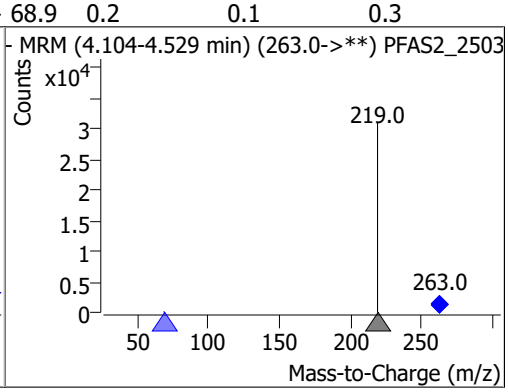




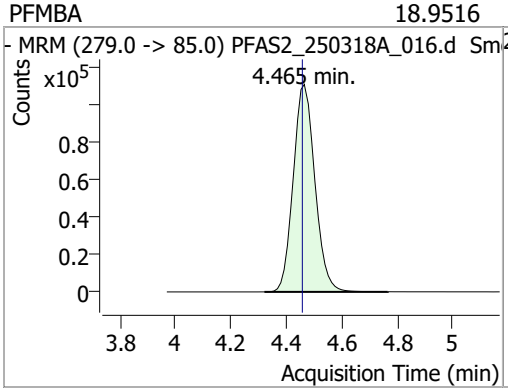
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.3726	4.22	0.00	806882	263.0 -> 68.9	0.2	0.1	0.3

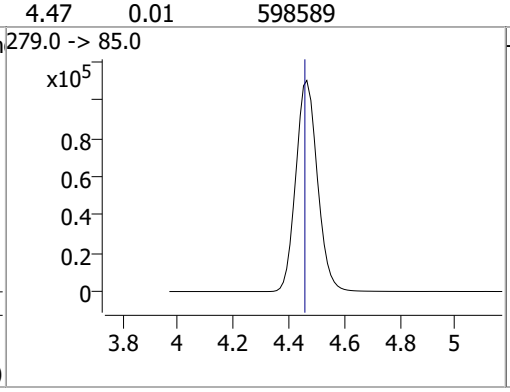


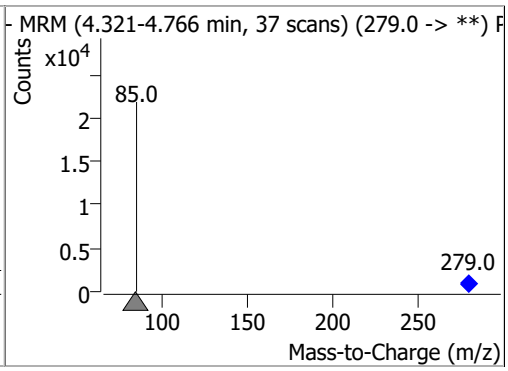




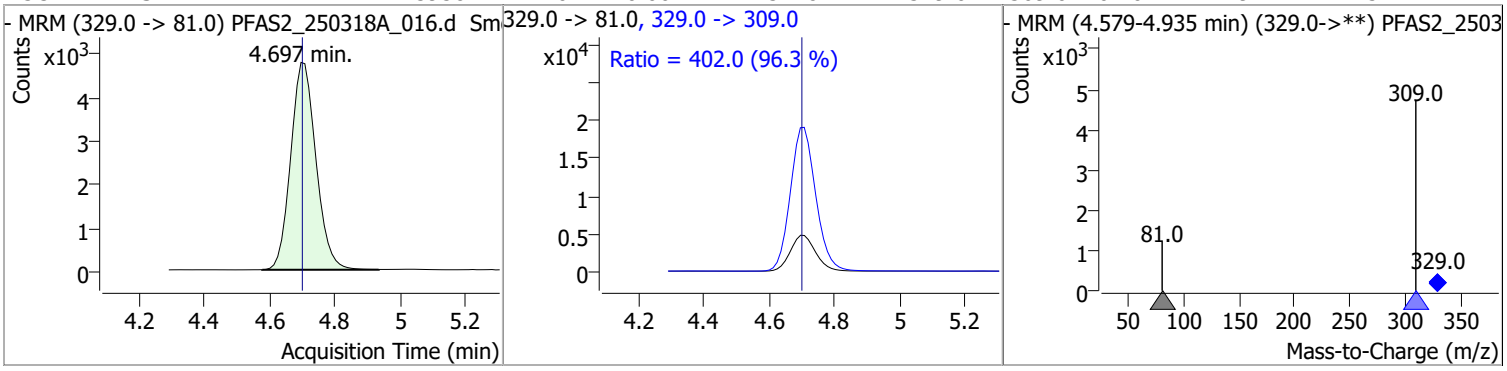
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.9516	4.47	0.01	598589				



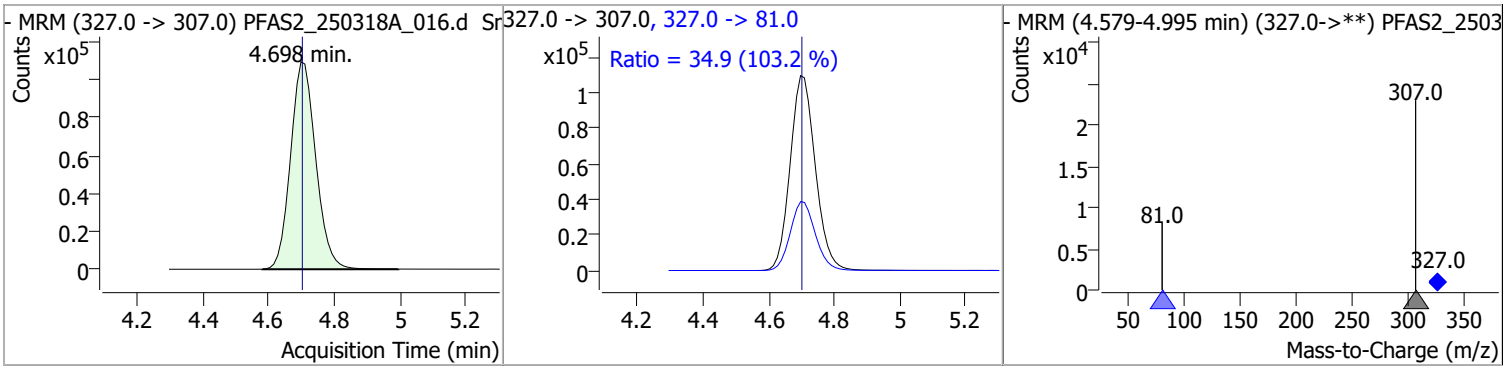




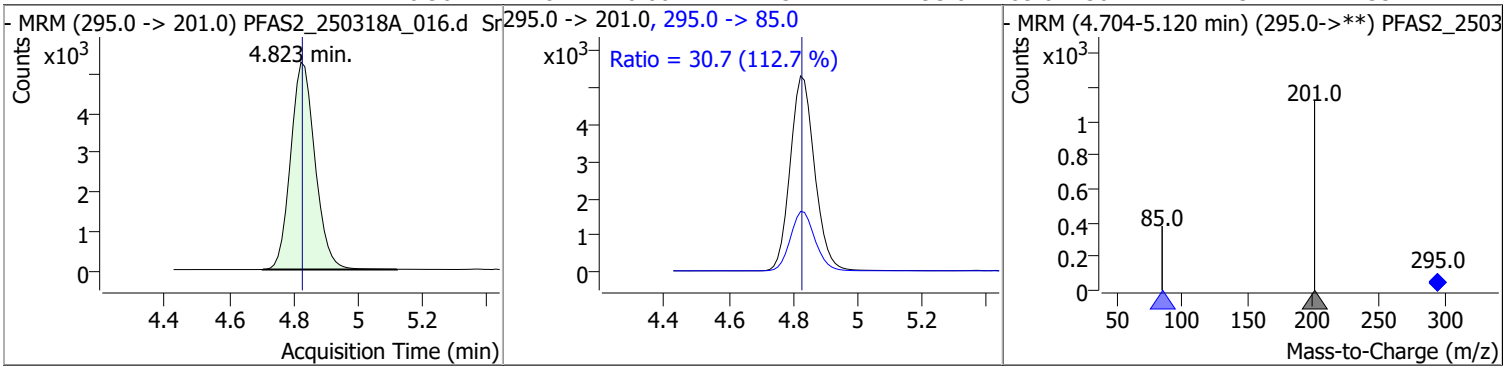
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.5958	4.70	0.00	25478	329.0 -> 309.0	402.0	292.1	542.4



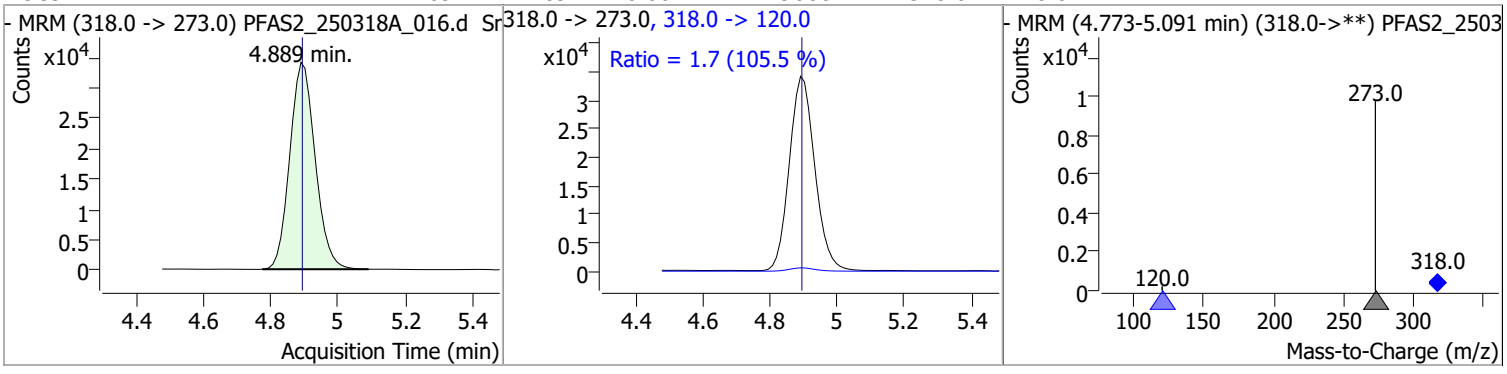
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	37.8139	4.70	0.00	585541	327.0 -> 81.0	34.9	23.6	43.9



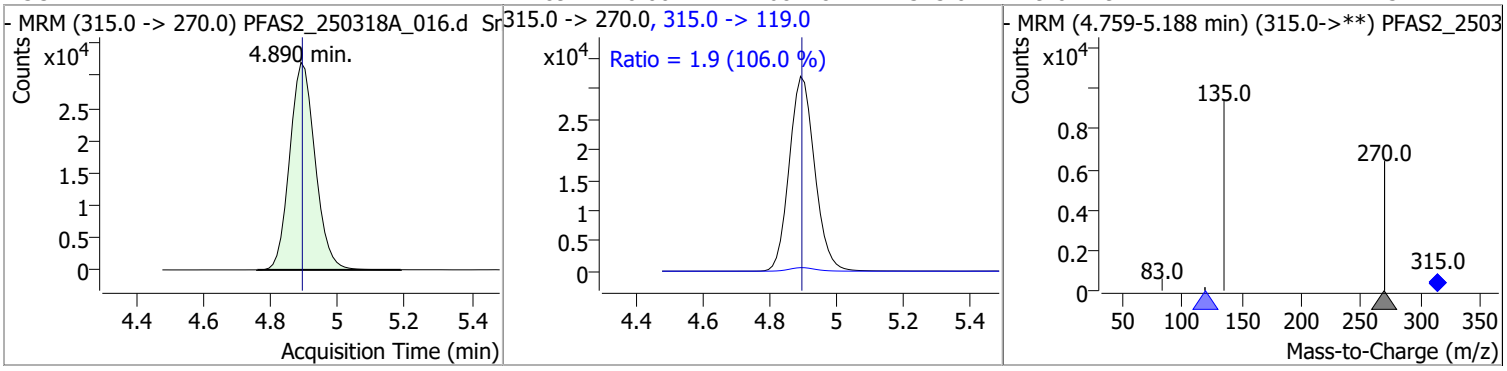
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	20.9047	4.82	0.00	27521	295.0 -> 85.0	30.7	19.1	35.4



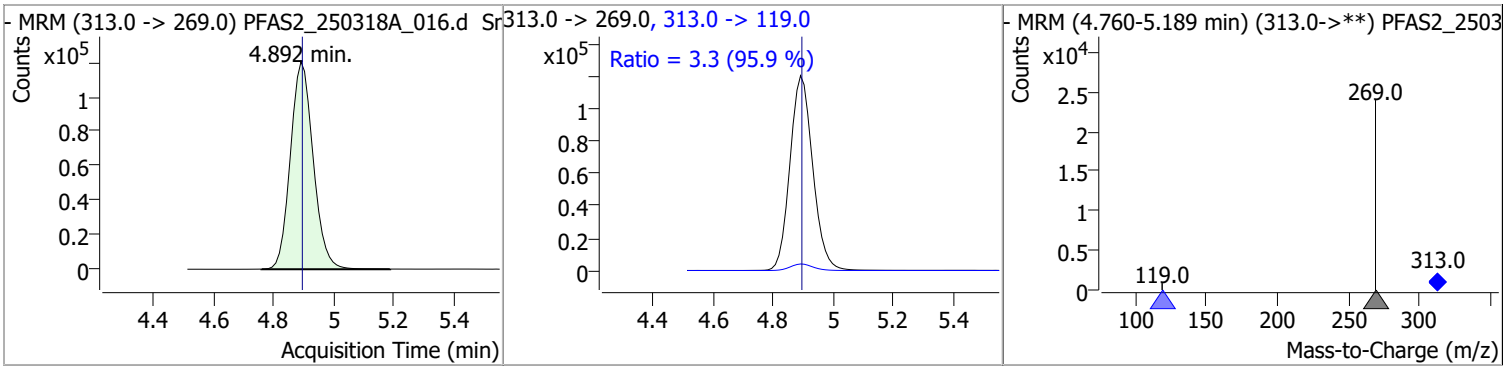
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4092	4.89	0.00	179000	318.0 -> 120.0	1.7	1.1	2.1



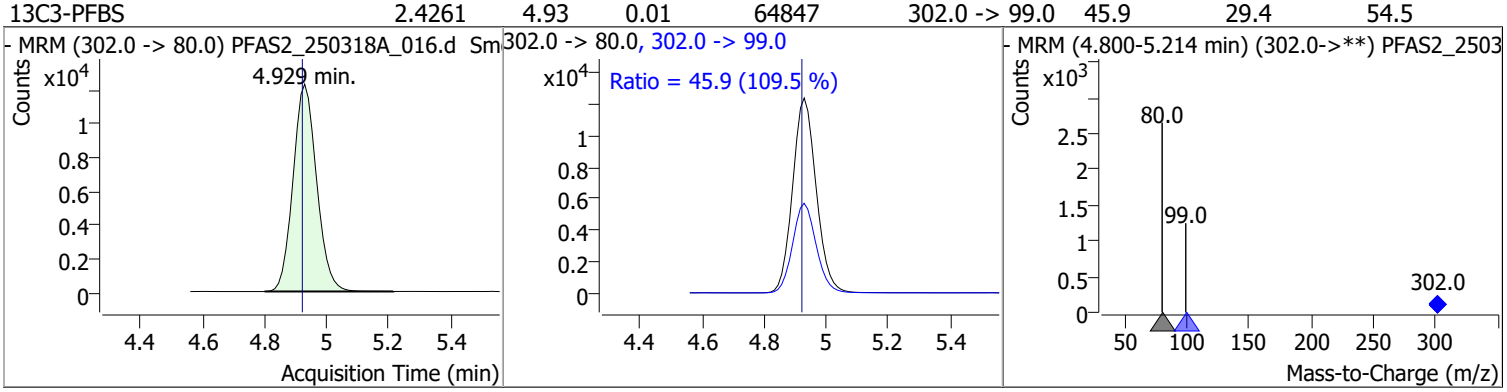
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	168748	315.0 -> 119.0	1.9	1.2	2.3



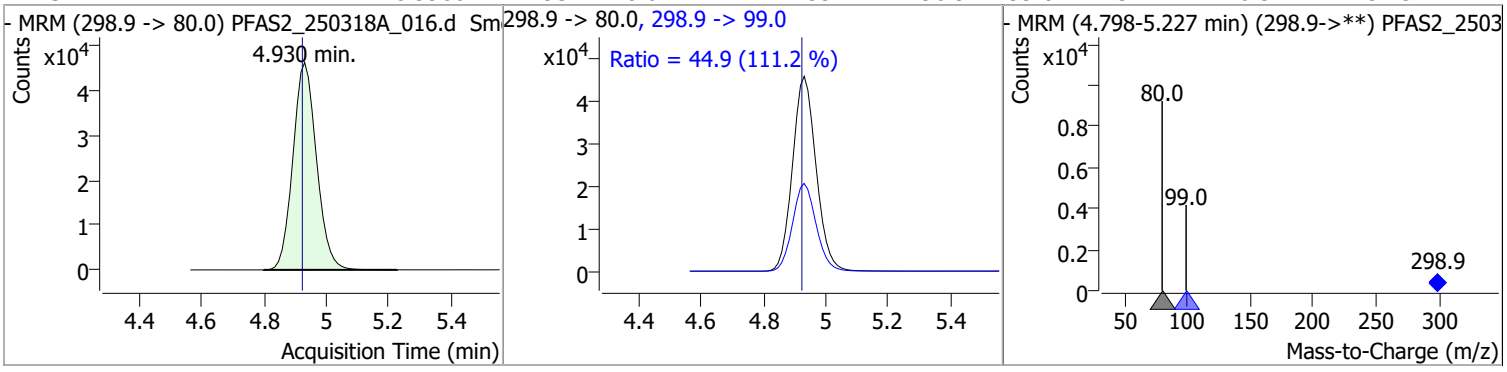
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.9072	4.89	0.00	634574	313.0 -> 119.0	3.3	2.4	4.5



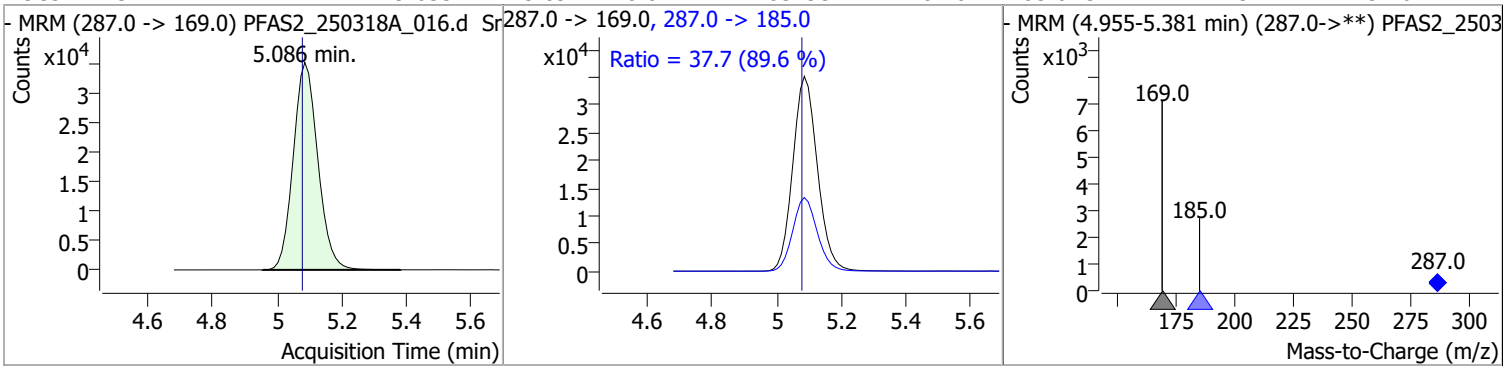
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4261	4.93	0.01	64847	302.0 -> 99.0	45.9	29.4	54.5



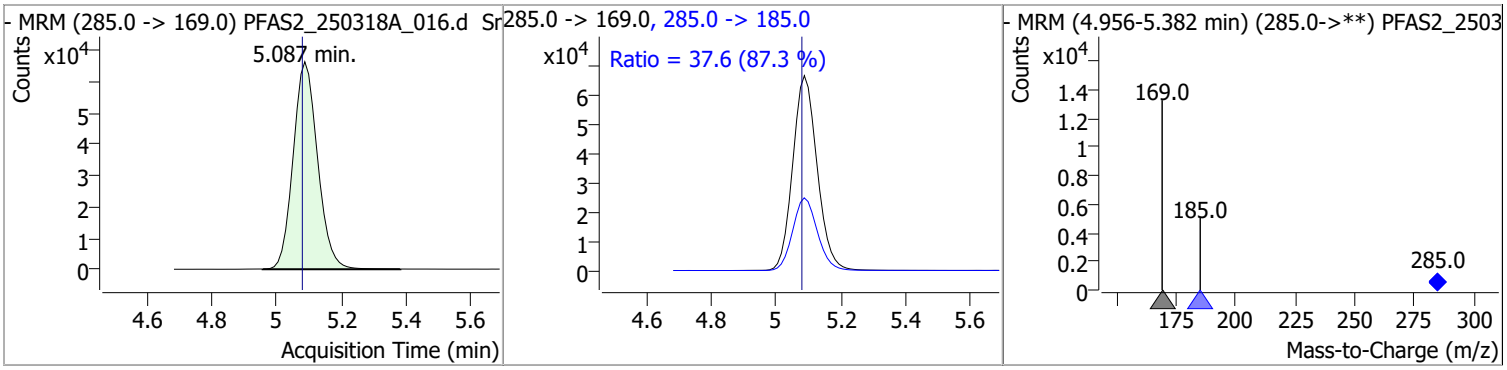
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.9988	4.93	0.01	242135	298.9 -> 99.0	44.9	28.3	52.5



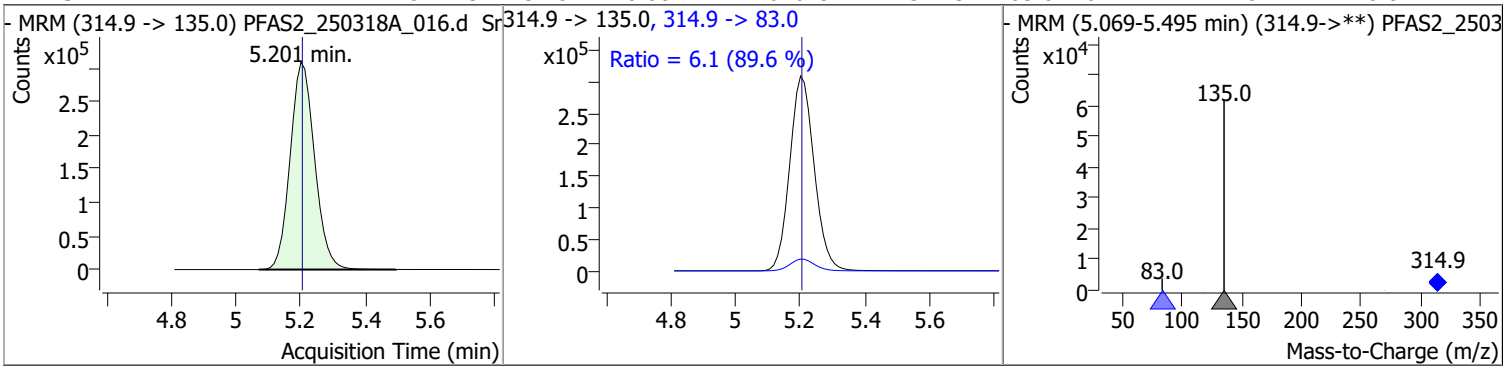
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6337	5.09	0.01	185193	287.0 -> 185.0	37.7	29.4	54.6



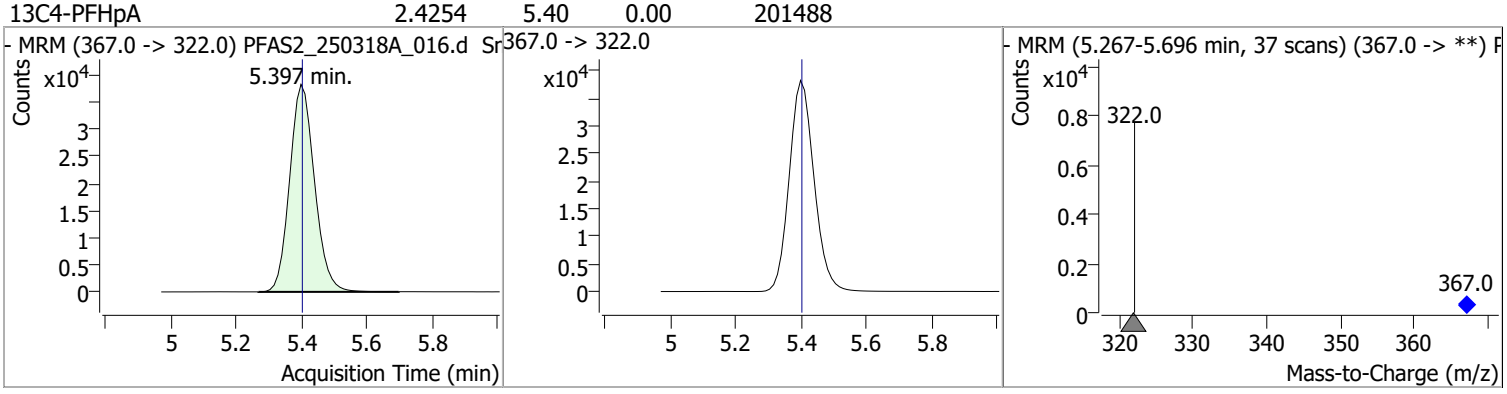
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	21.1226	5.09	0.01	347057	285.0 -> 185.0	37.6	30.1	56.0



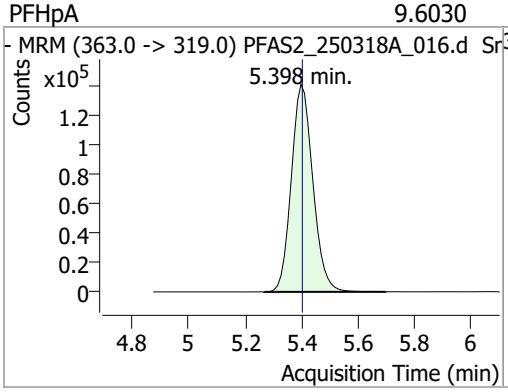
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	18.4123	5.20	0.00	1626294	314.9 -> 83.0	6.1	4.8	8.8

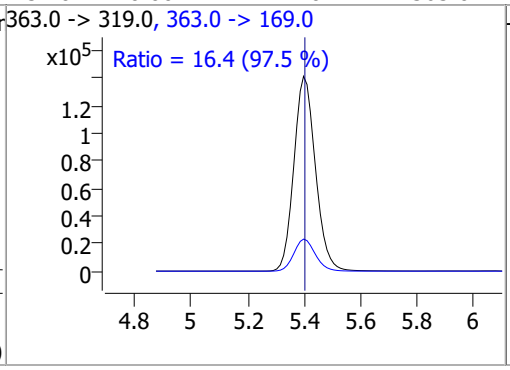


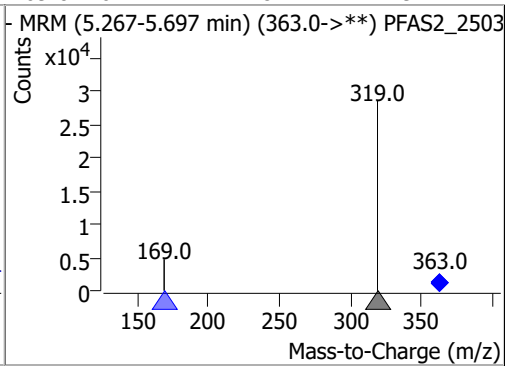
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4254	5.40	0.00	201488				



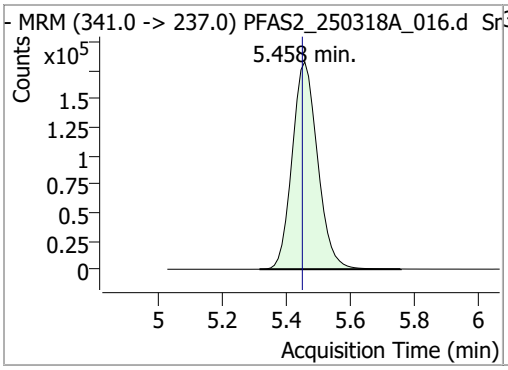
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6030	5.40	0.00	747402	363.0 -> 169.0	16.4	11.8	21.9

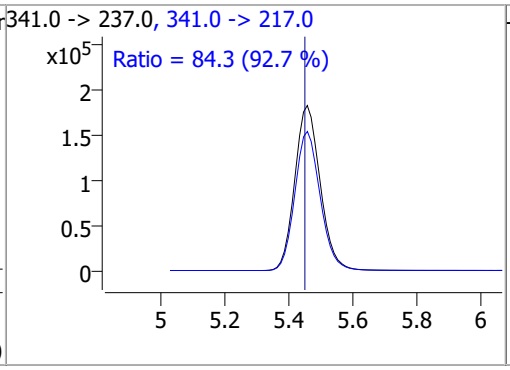


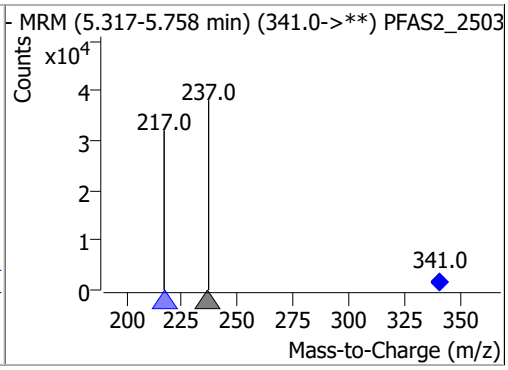




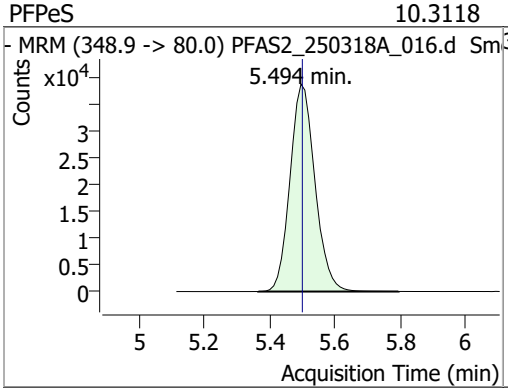
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	198.4507	5.46	0.01	1004448	341.0 -> 217.0	84.3	63.6	118.1

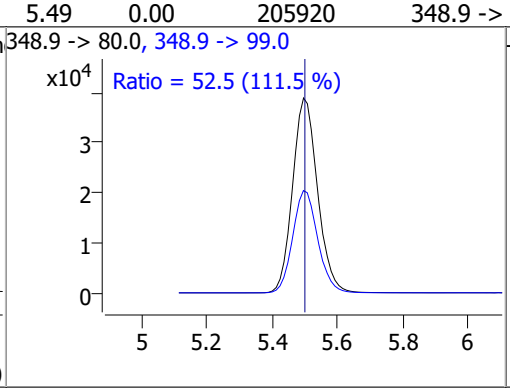


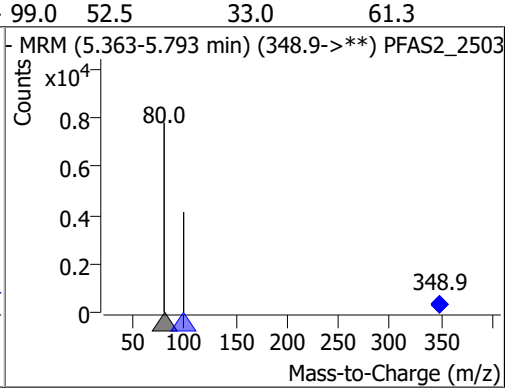




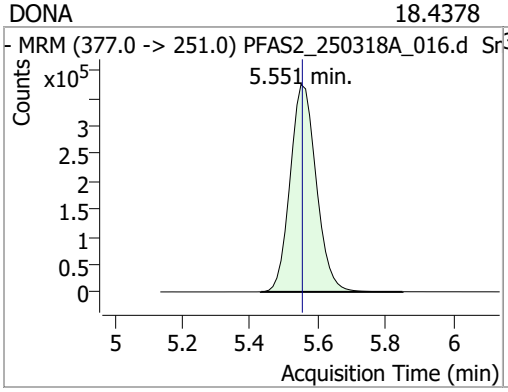
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	10.3118	5.49	0.00	205920	348.9 -> 99.0	52.5	33.0	61.3

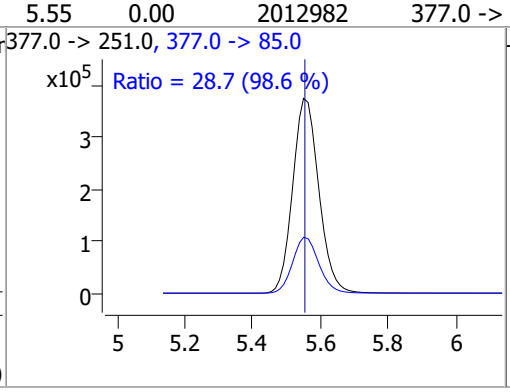


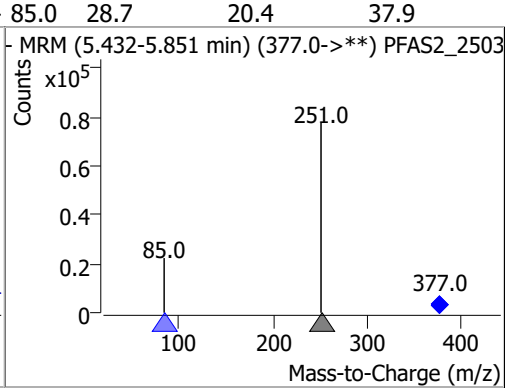




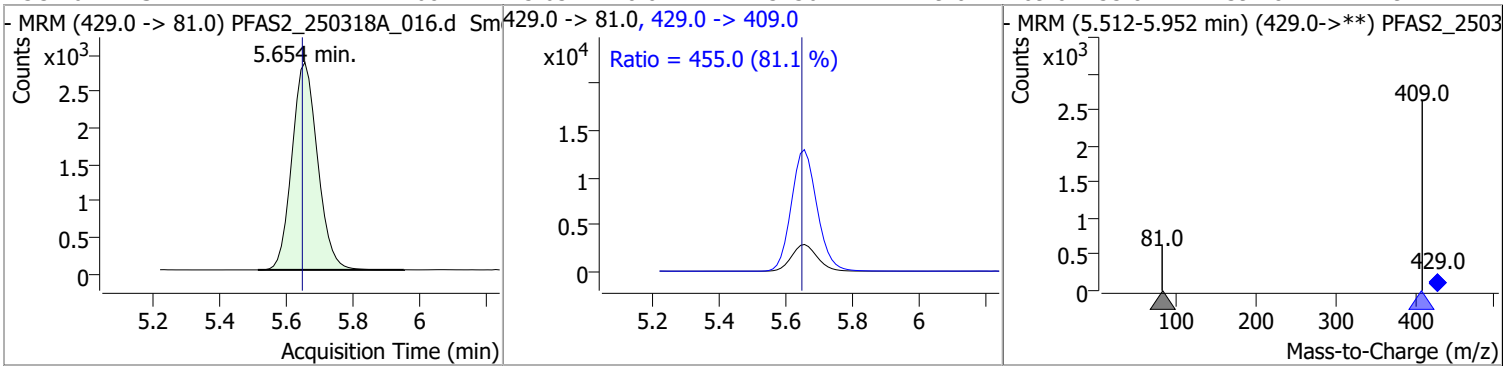
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.4378	5.55	0.00	2012982	377.0 -> 85.0	28.7	20.4	37.9



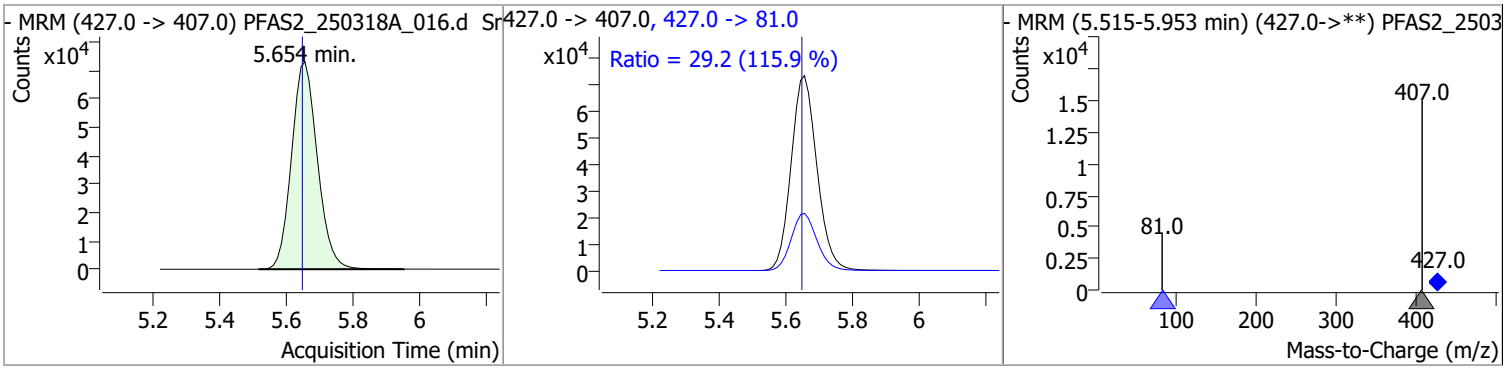




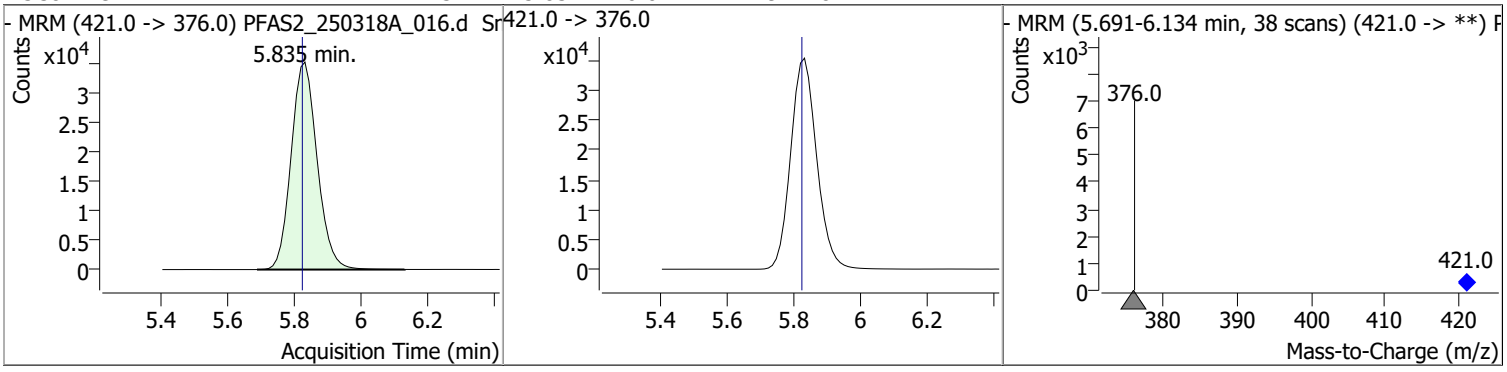
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.6874	5.65	0.01	15236	429.0 -> 409.0	455.0	392.8	729.4



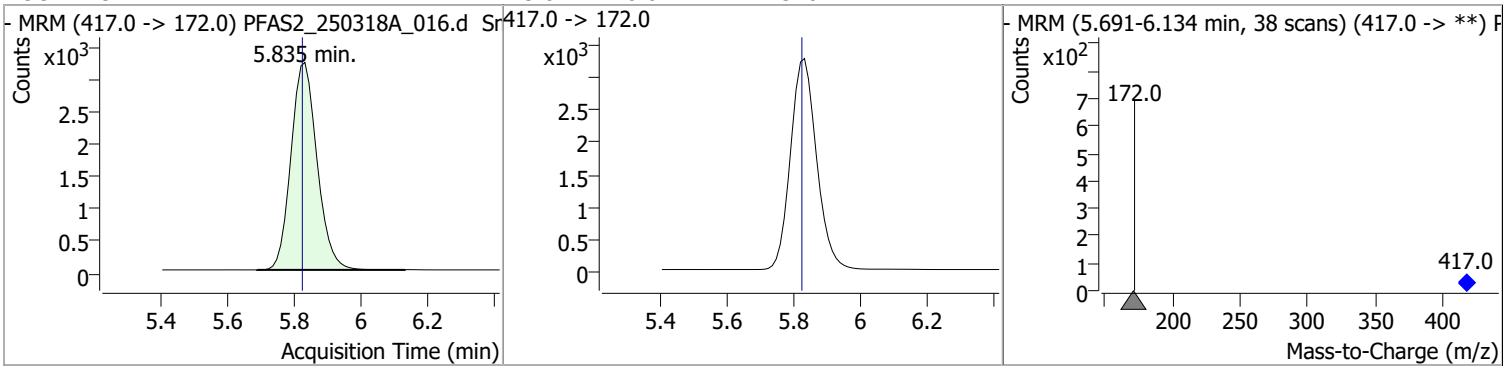
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.4479	5.65	0.01	393344	427.0 -> 81.0	29.2	17.7	32.8



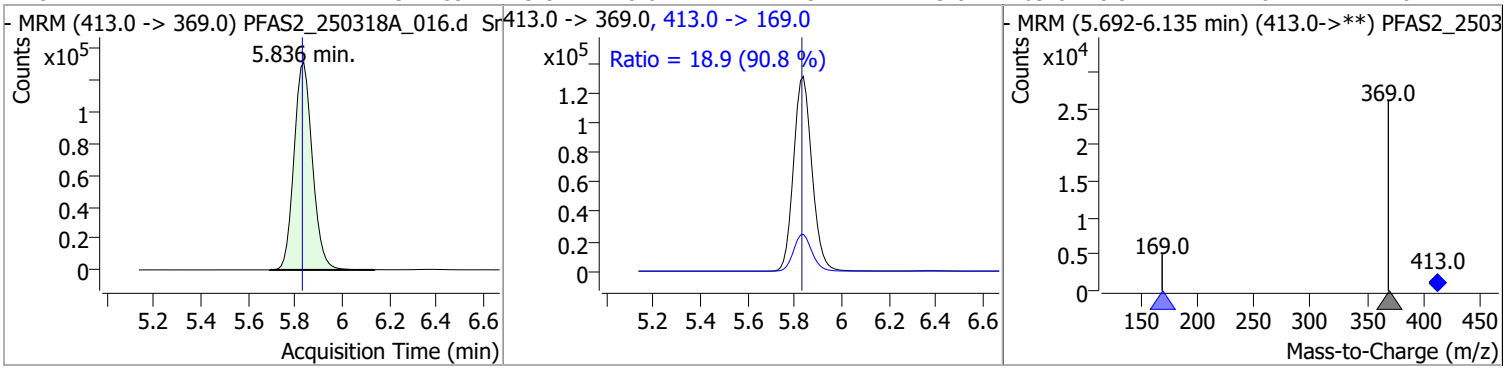
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4432	5.83	0.01	191418				



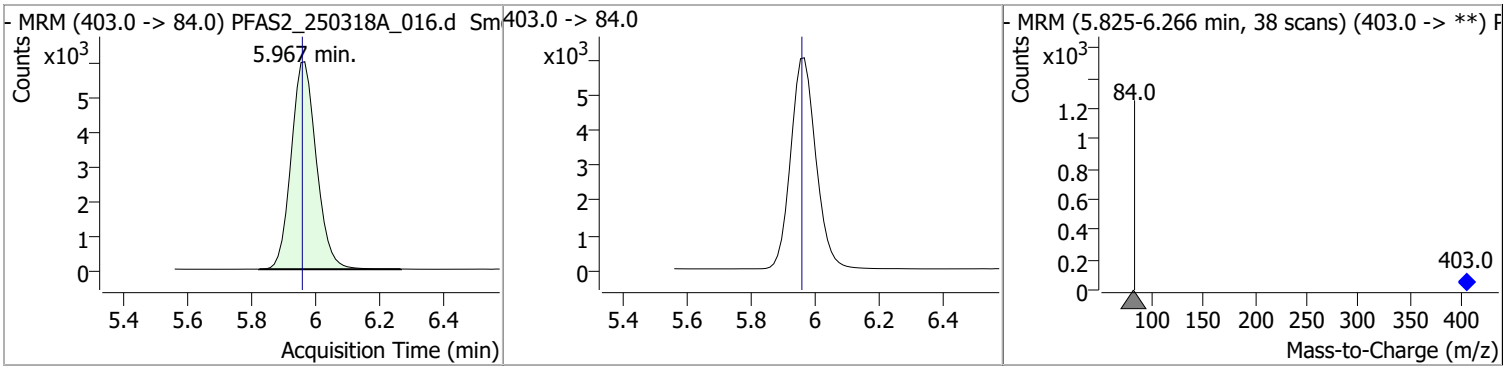
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.84	0.01	17520				



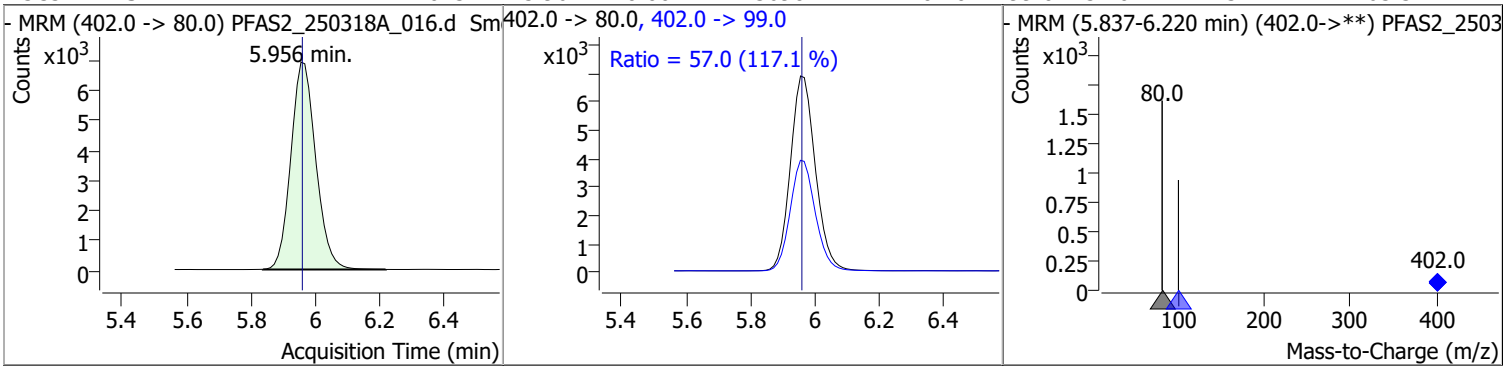
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.4189	5.84	0.01	712492	413.0 -> 169.0	18.9	14.6	27.0



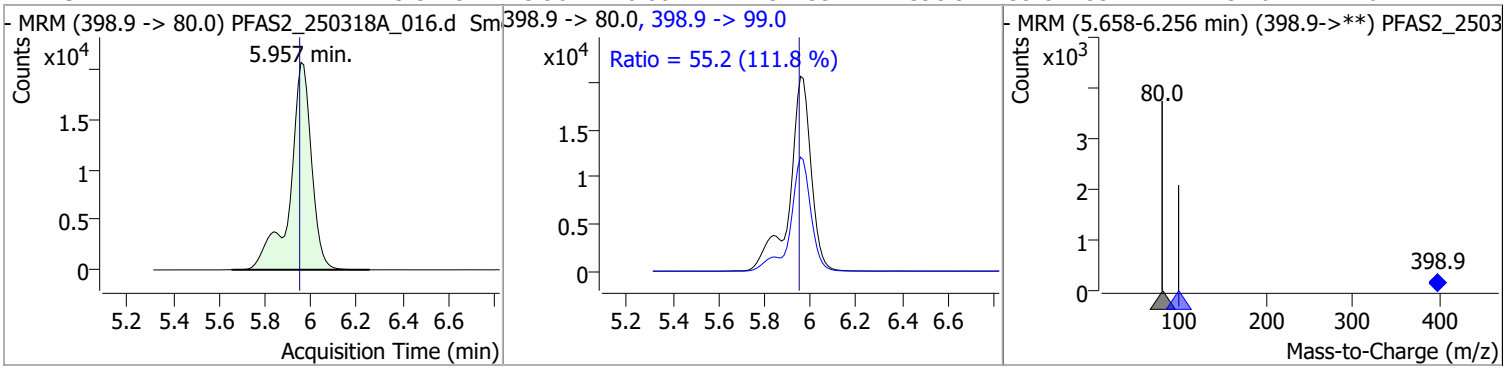
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.97	0.01	32641				



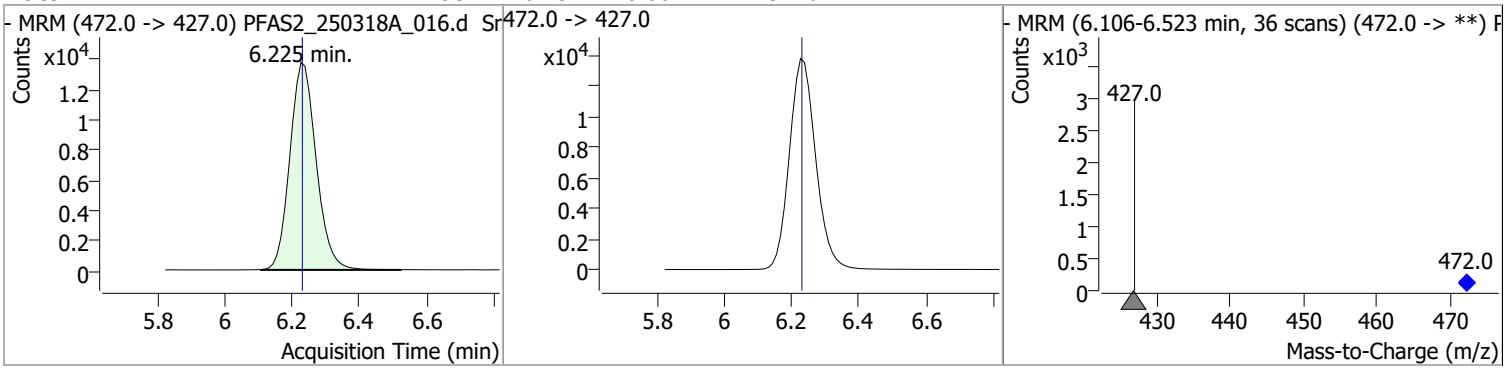
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4023	5.96	0.00	36984	402.0 -> 99.0	57.0	34.1	63.3



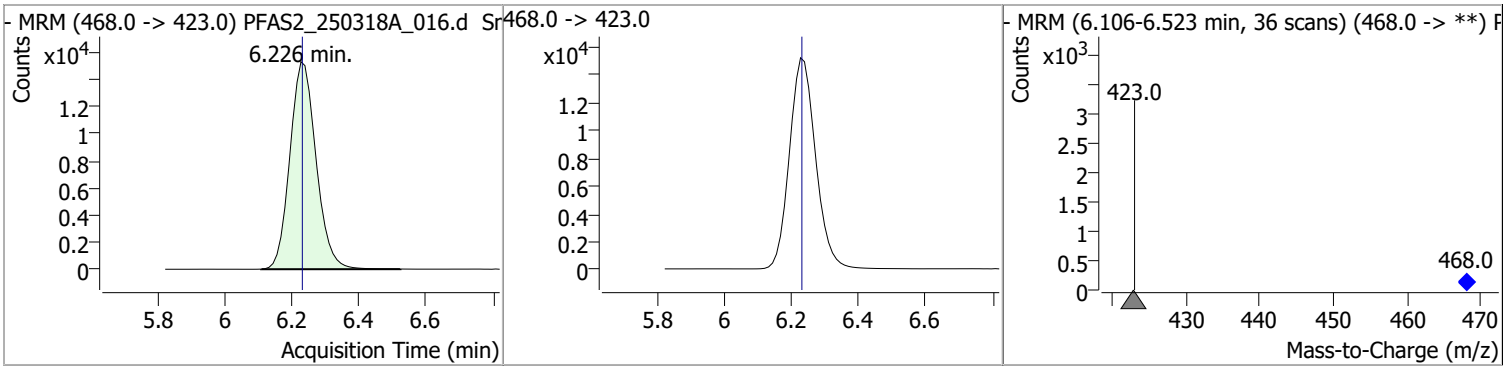
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3243	5.96	0.00	134133	398.9 -> 99.0	55.2	34.6	64.2



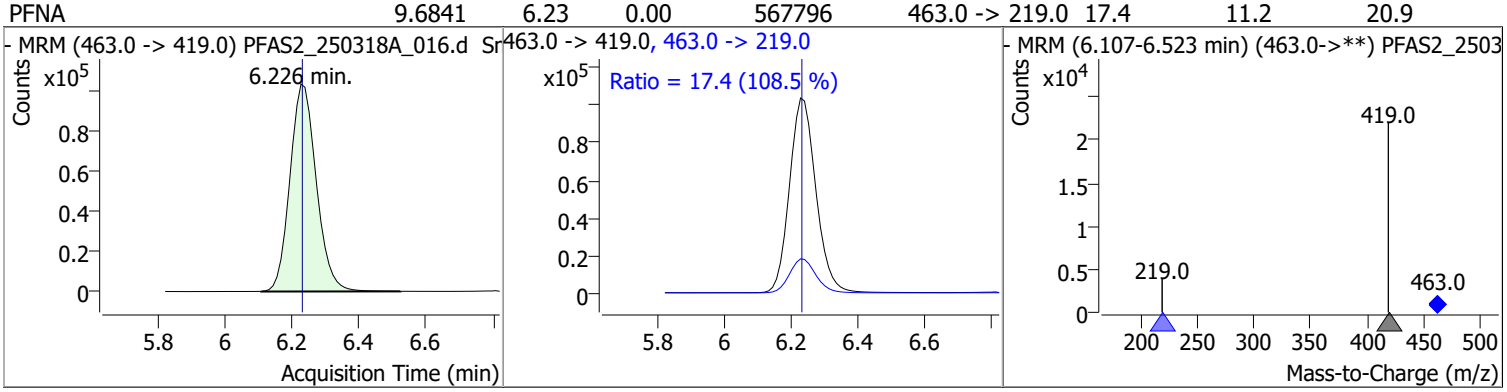
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1493	6.23	0.00	75146				



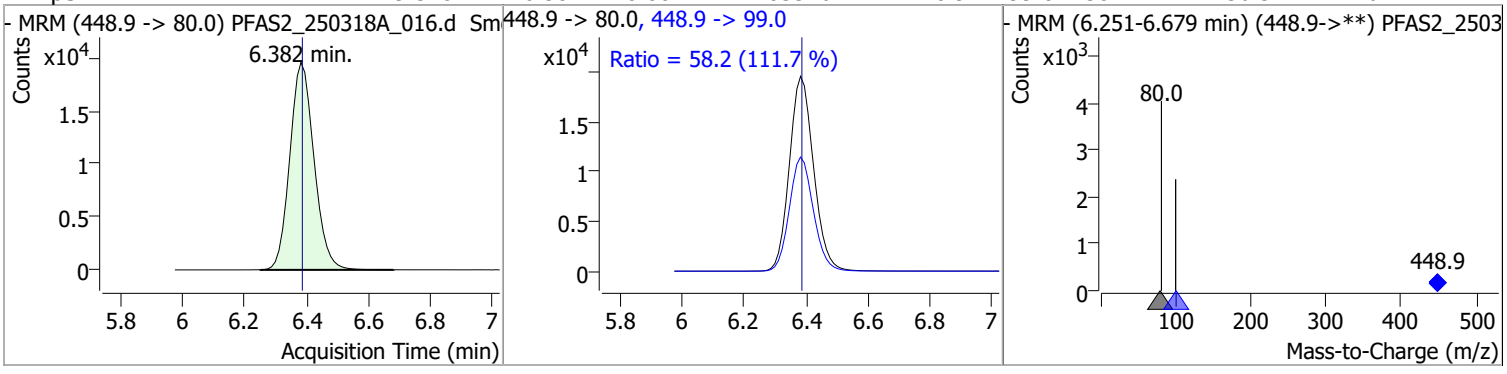
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.00	82515				



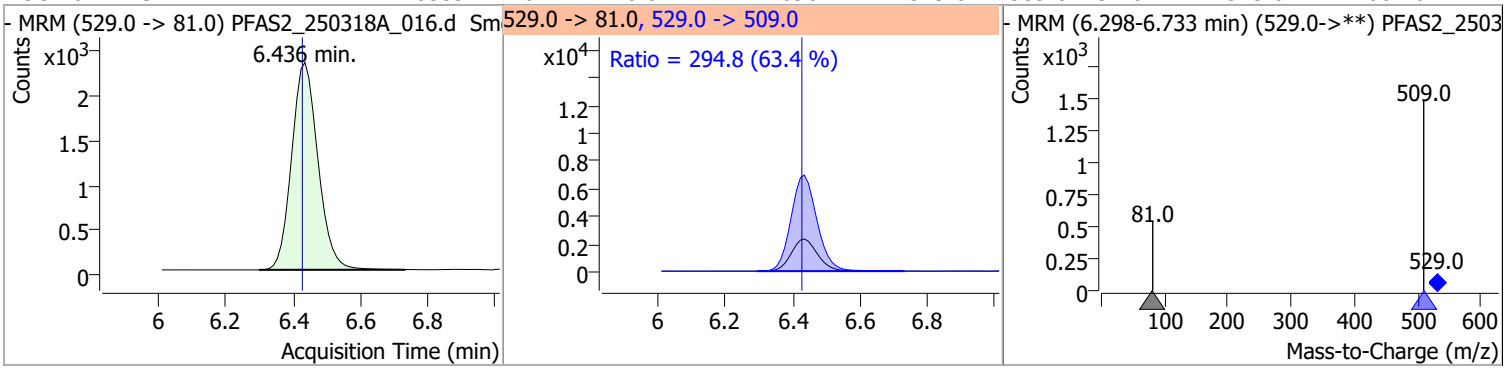
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6841	6.23	0.00	567796	463.0 -> 219.0	17.4	11.2	20.9



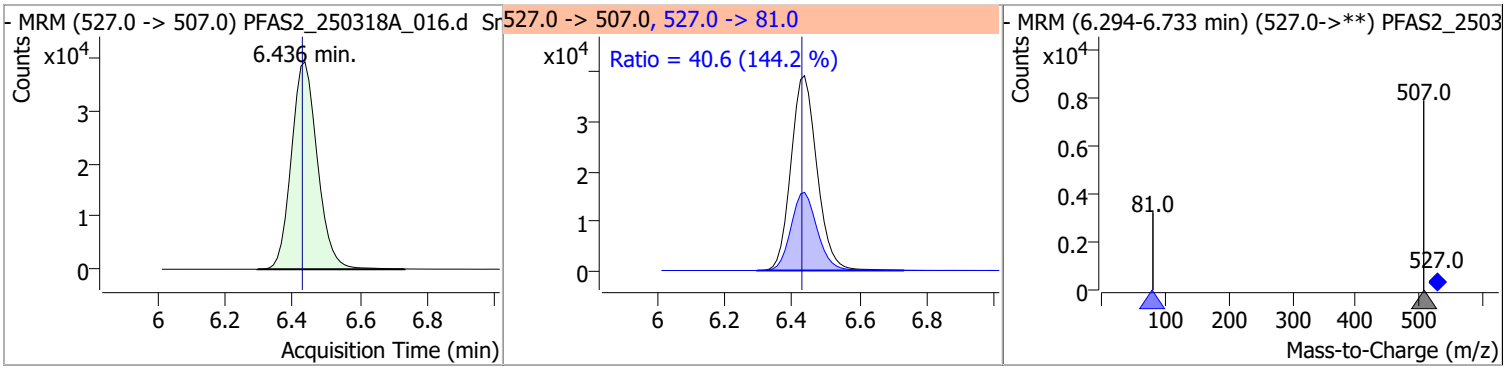
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.3182	6.38	0.00	105316	448.9 -> 99.0	58.2	36.5	67.7



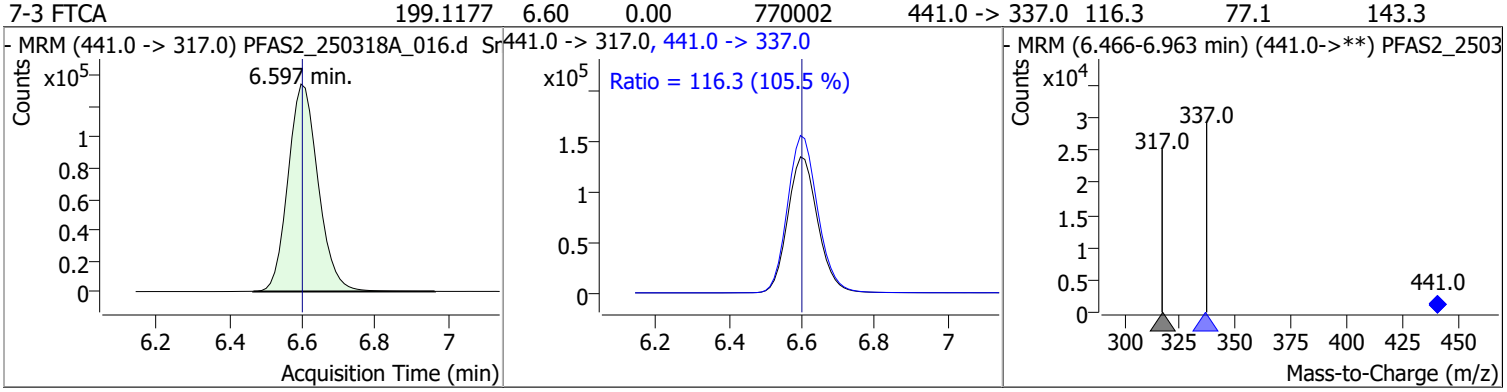
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8559	6.44	0.01	12690	529.0 -> 509.0	294.8	325.6	604.6



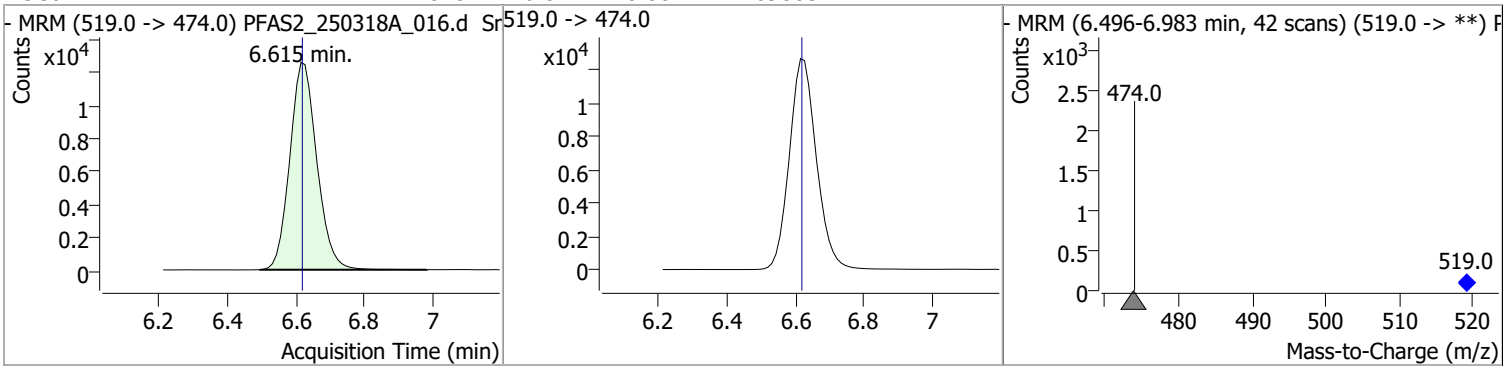
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	37.8471	6.44	0.01	211819	527.0 -> 81.0	40.6	19.7	36.6



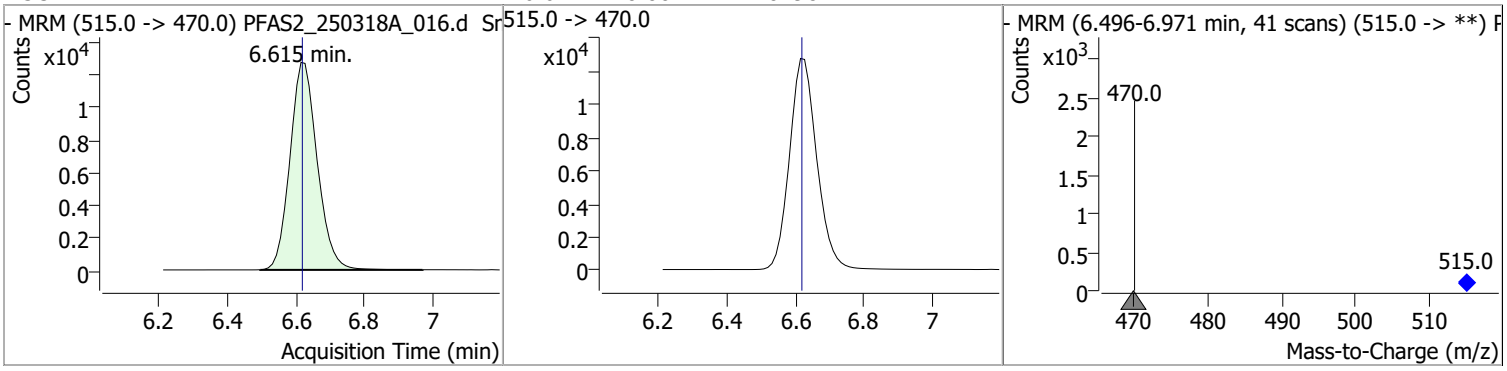
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	199.1177	6.60	0.00	770002	441.0 -> 337.0	116.3	77.1	143.3



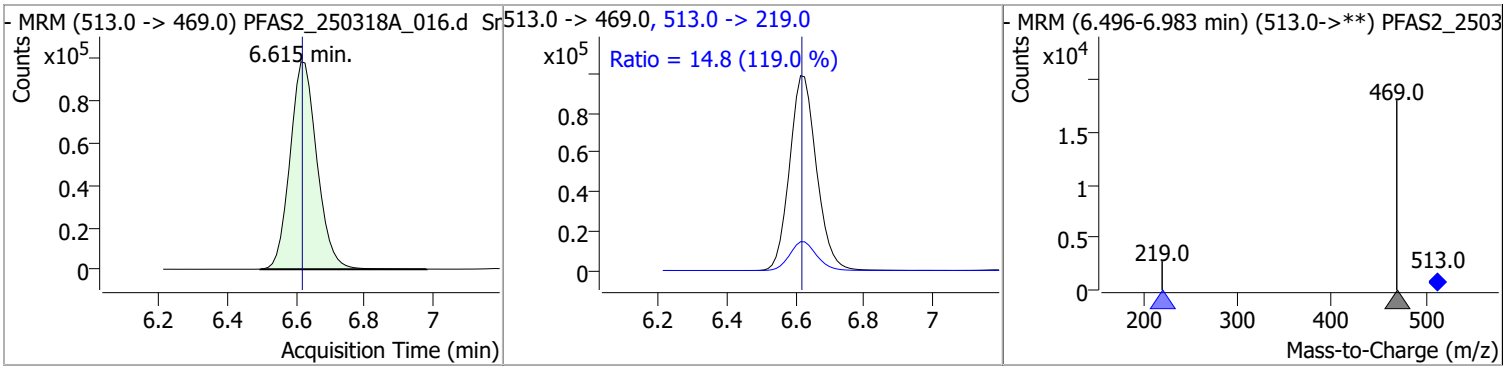
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2028	6.61	0.00	69003				



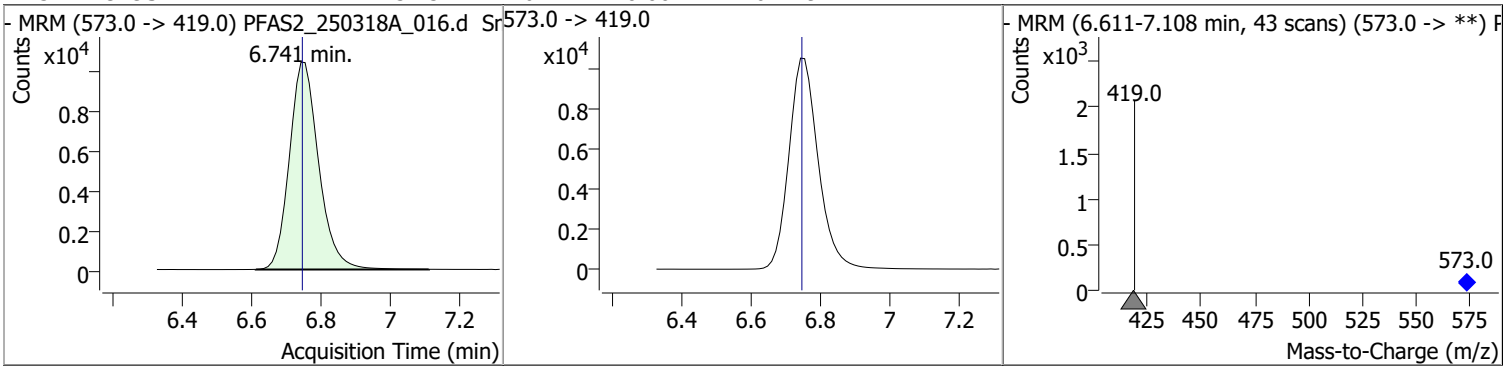
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.62	0.00	70498				



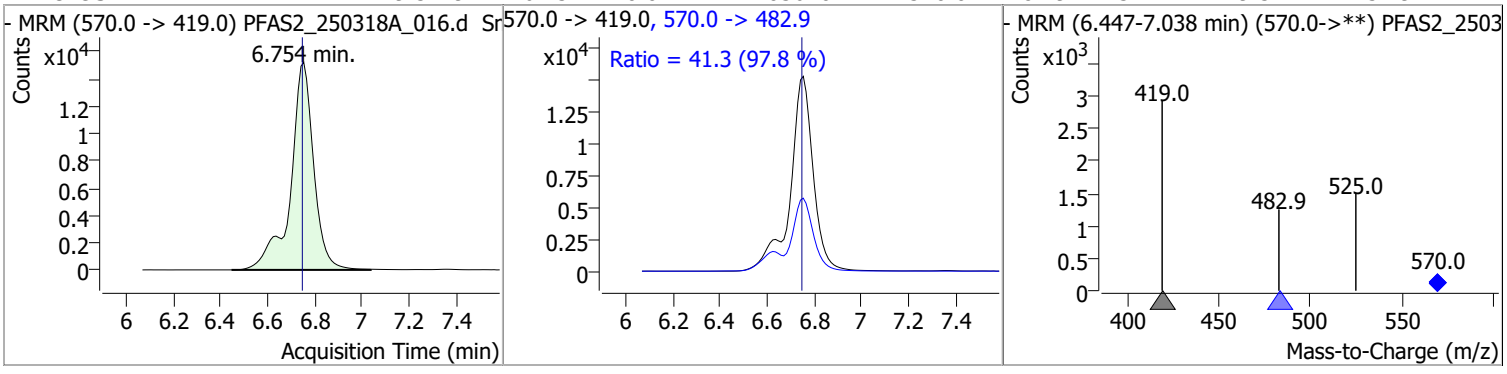
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	10.5831	6.62	0.00	540546	513.0 -> 219.0	14.8	8.7	16.2



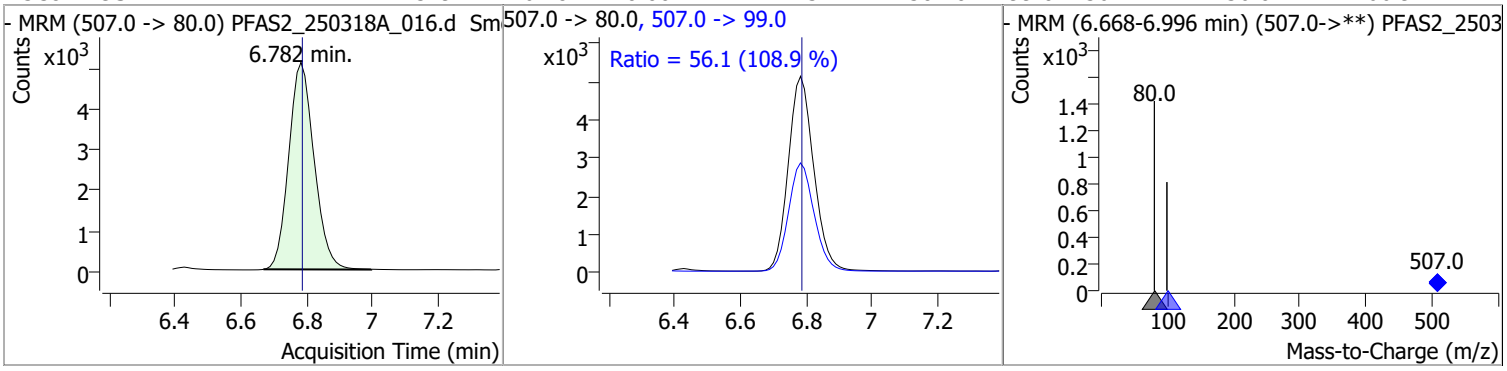
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1541	6.74	0.00	61219				



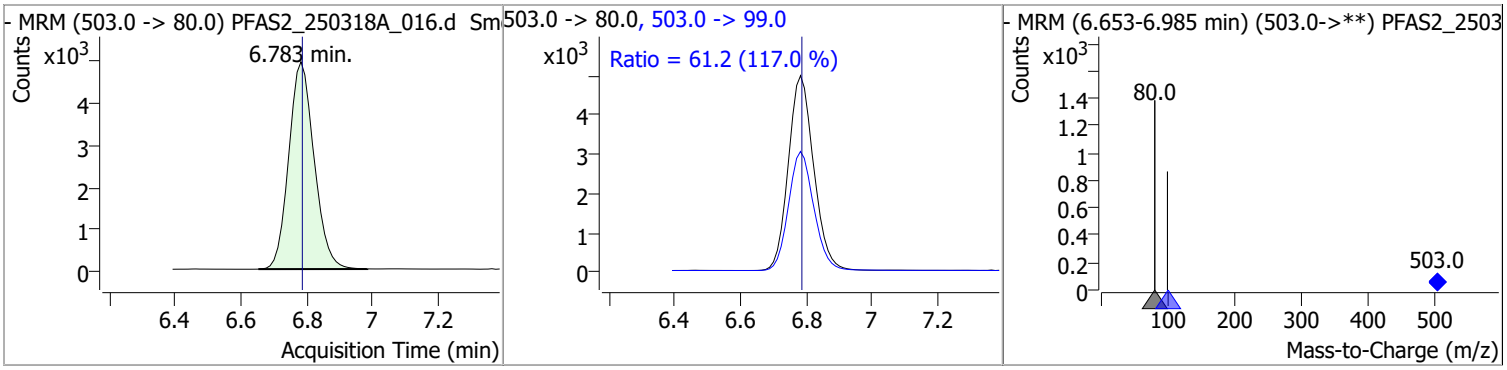
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.5749	6.75	0.01	103640	570.0 -> 482.9	41.3	29.5	54.9



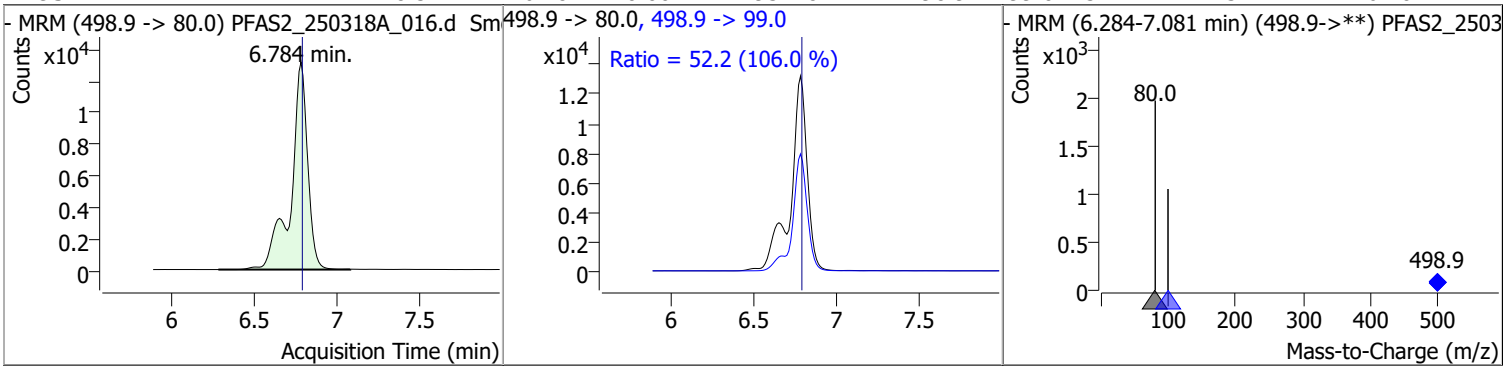
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5292	6.78	0.00	27173	507.0 -> 99.0	56.1	36.0	66.9



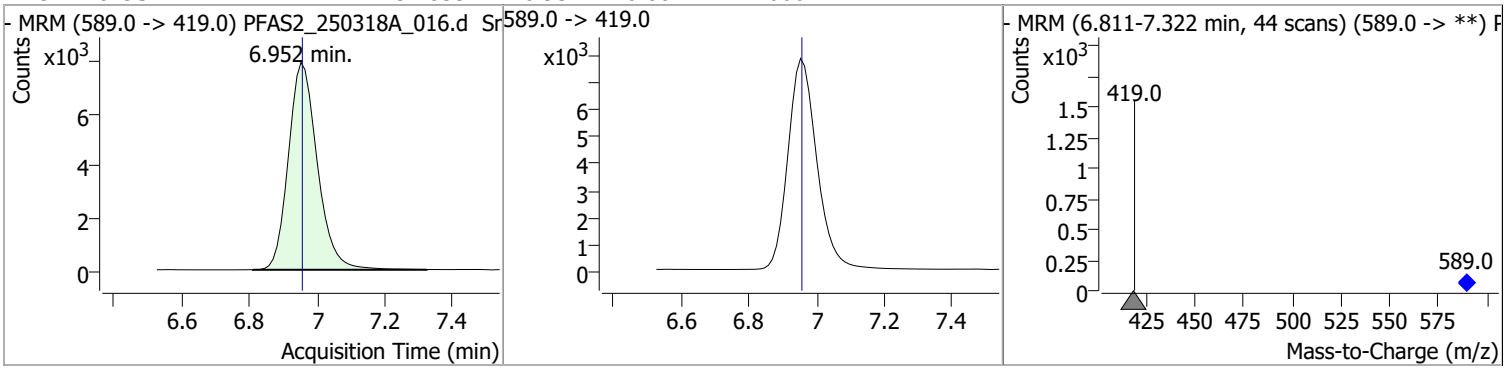
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.78	0.00	26472	503.0 -> 99.0	61.2	36.6	67.9



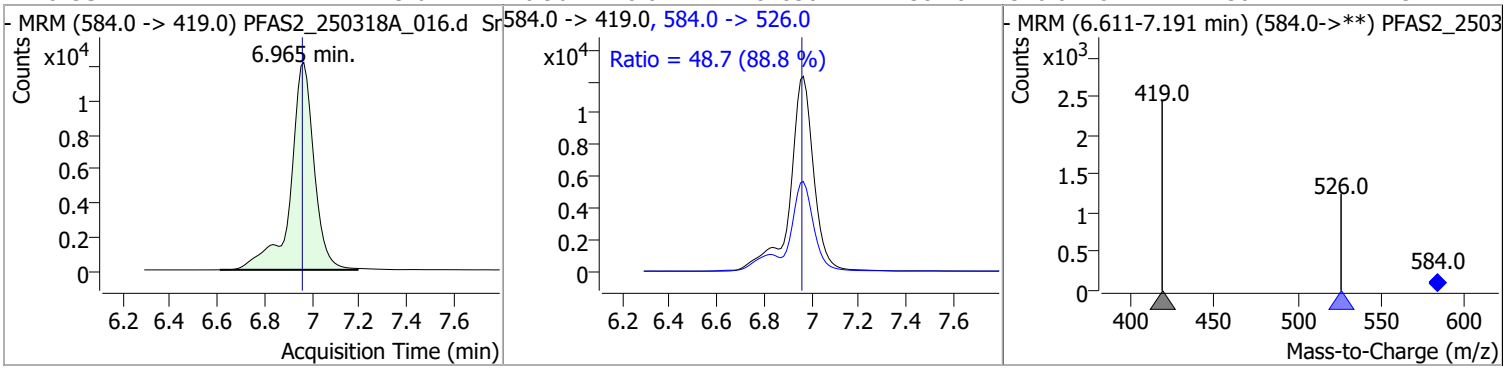
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.5444	6.78	0.00	93228	498.9 -> 99.0	52.2	34.4	64.0



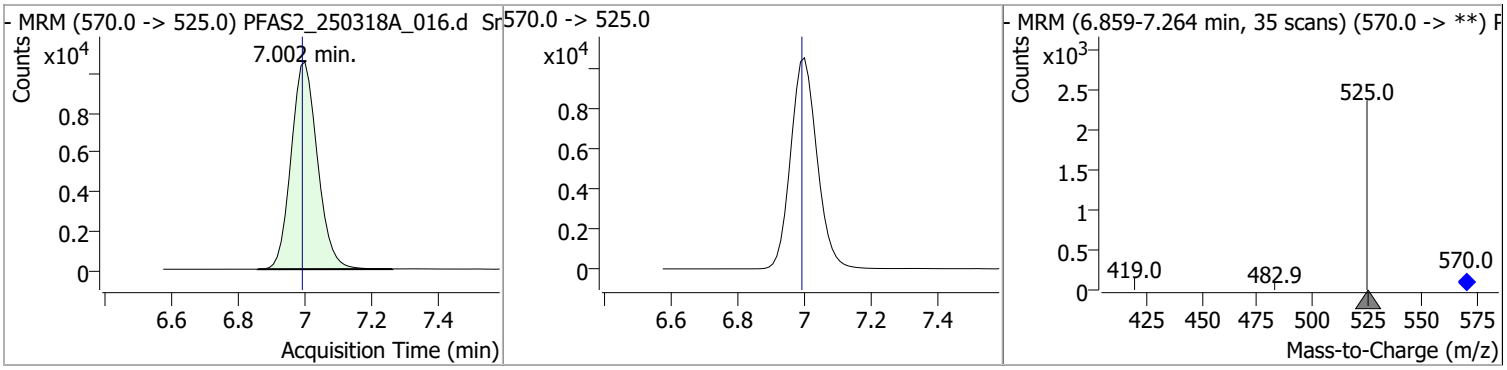
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2035	6.95	0.00	46661				



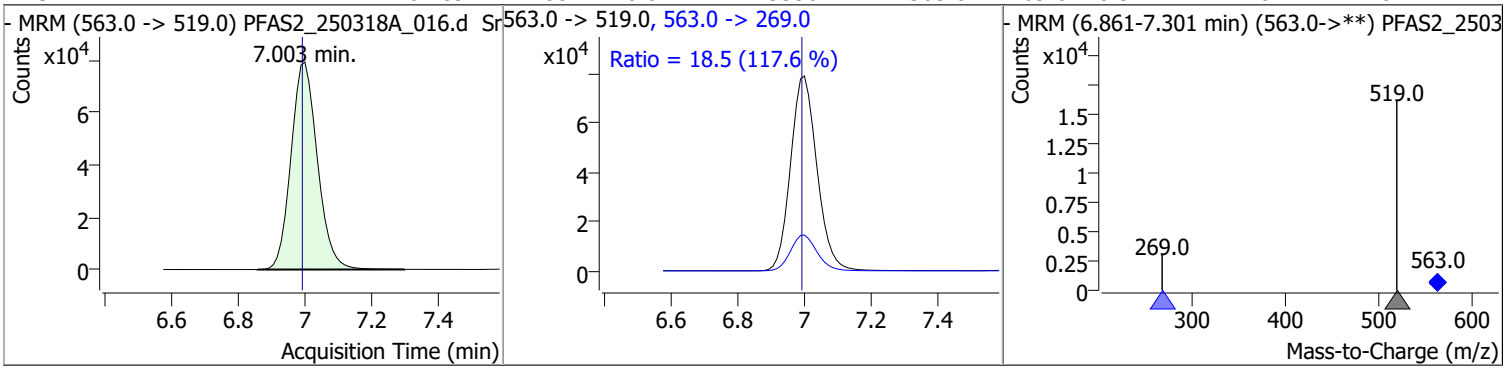
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.6177	6.96	0.01	84830	584.0 -> 526.0	48.7	38.4	71.3



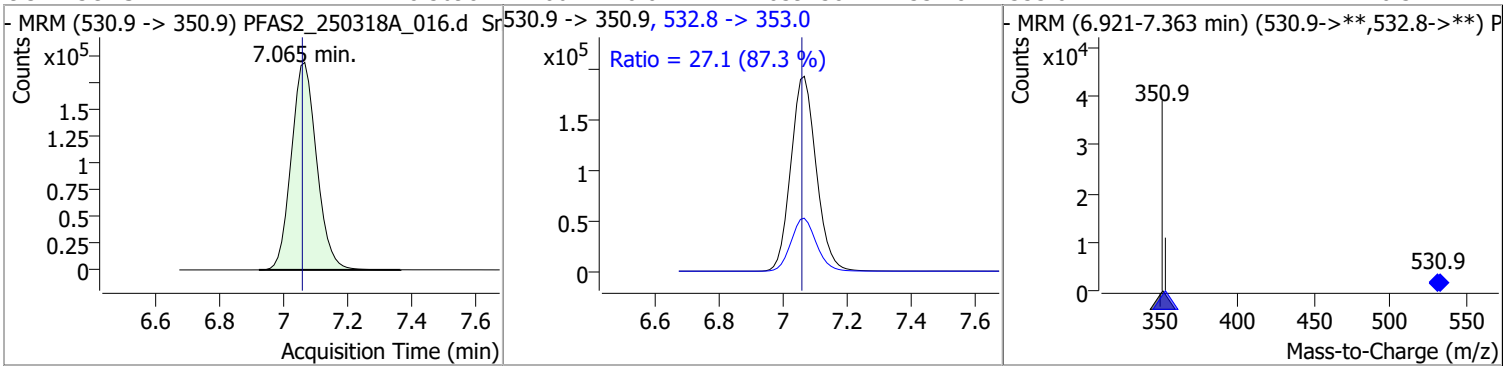
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2803	7.00	0.01	57885				



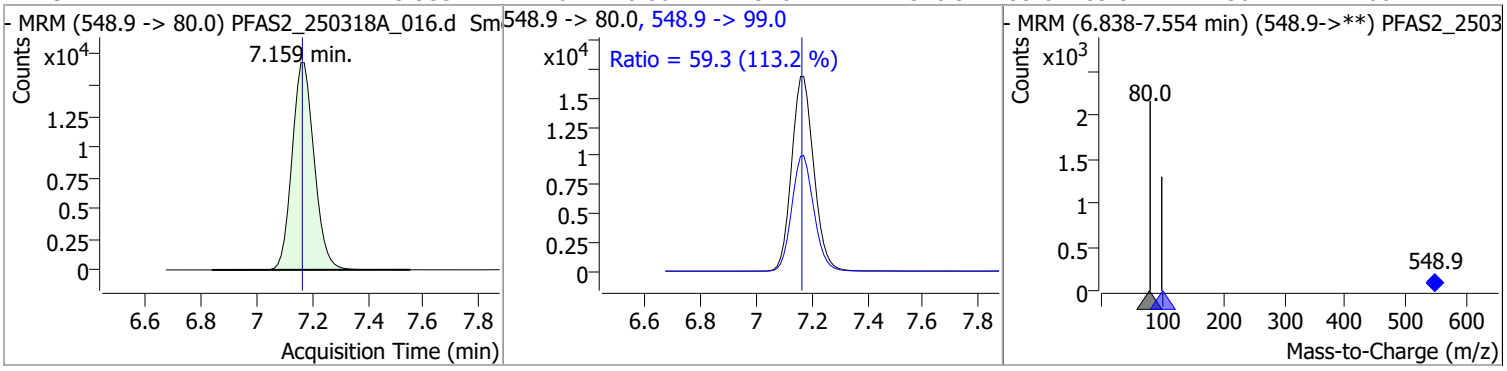
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	10.1091	7.00	0.01	435307	563.0 -> 269.0	18.5	11.0	20.4



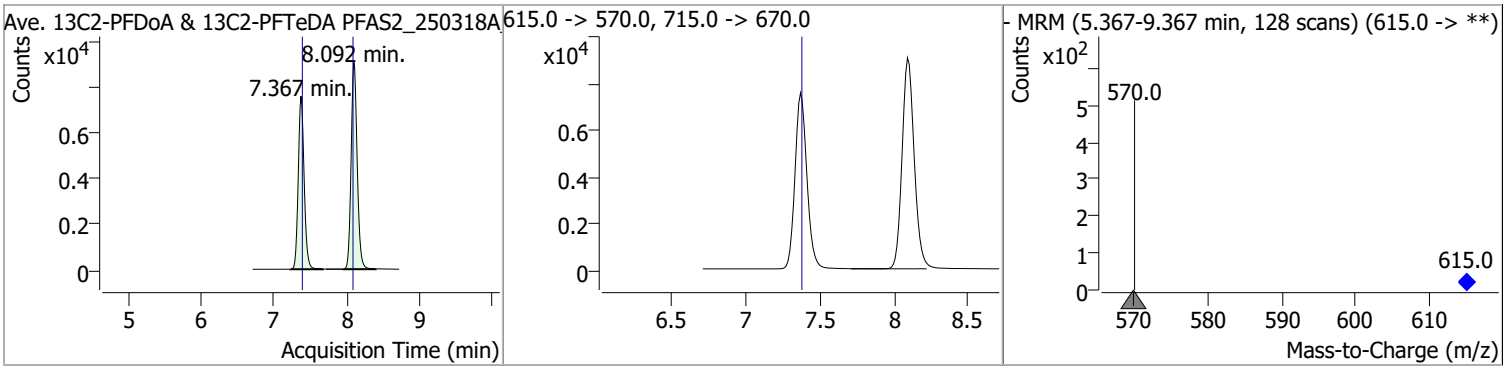
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.5698	7.06	0.01	1059258	532.8 -> 353.0	27.1	21.7	40.3



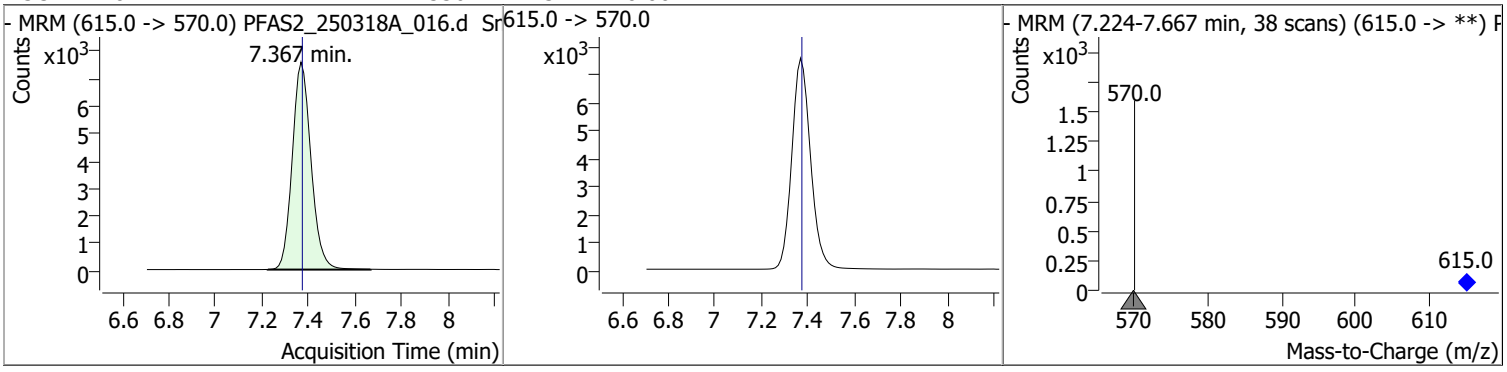
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.9332	7.16	0.00	92074	548.9 -> 99.0	59.3	36.7	68.1



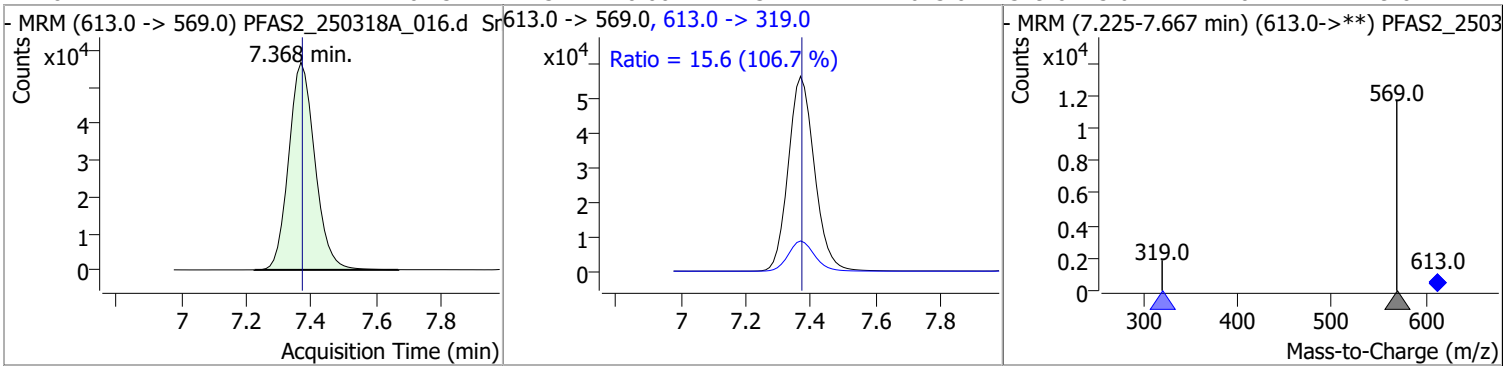
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2637	7.73	0.36	47089				



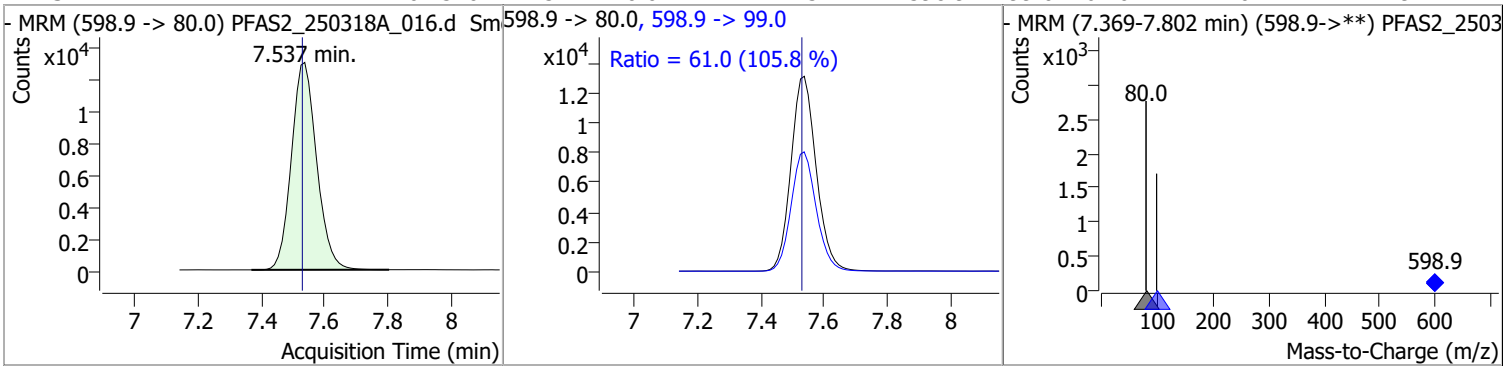
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2536	7.37	0.00	42224				



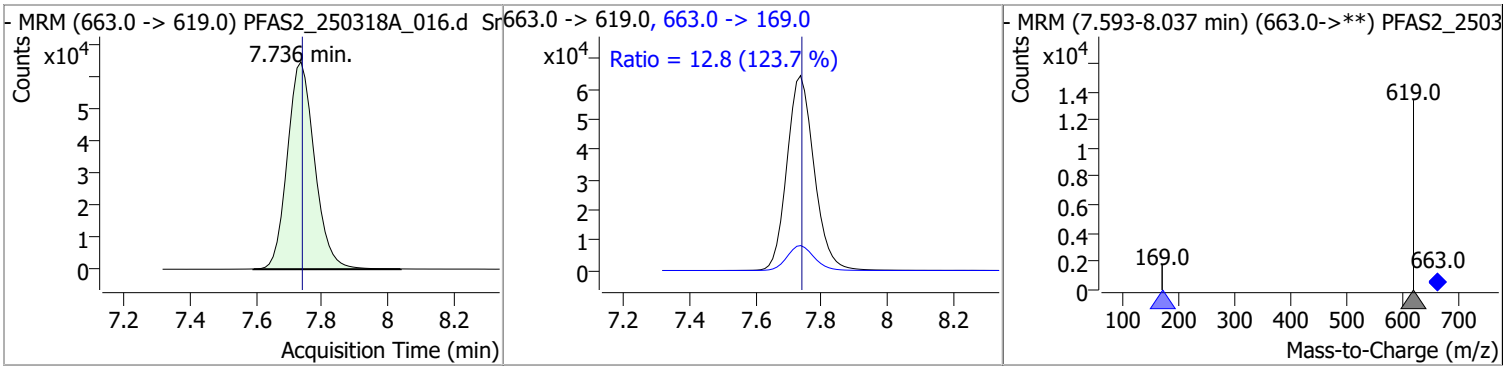
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.2547	7.37	0.00	317421	613.0 -> 319.0	15.6	10.2	19.0



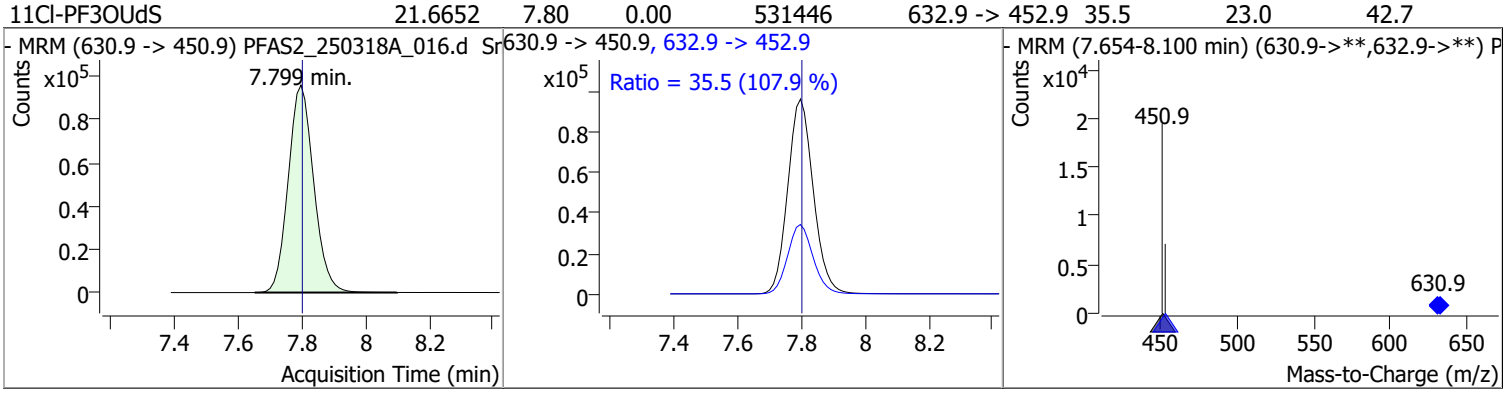
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.4310	7.54	0.01	72243	598.9 -> 99.0	61.0	40.4	74.9



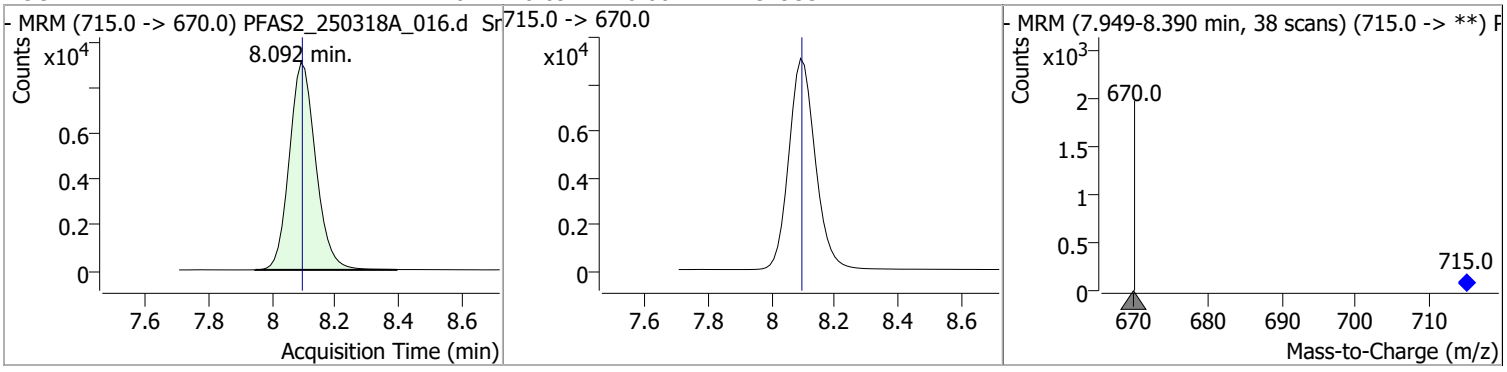
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.3332	7.74	0.00	366623	663.0 -> 169.0	12.8	7.2	13.4



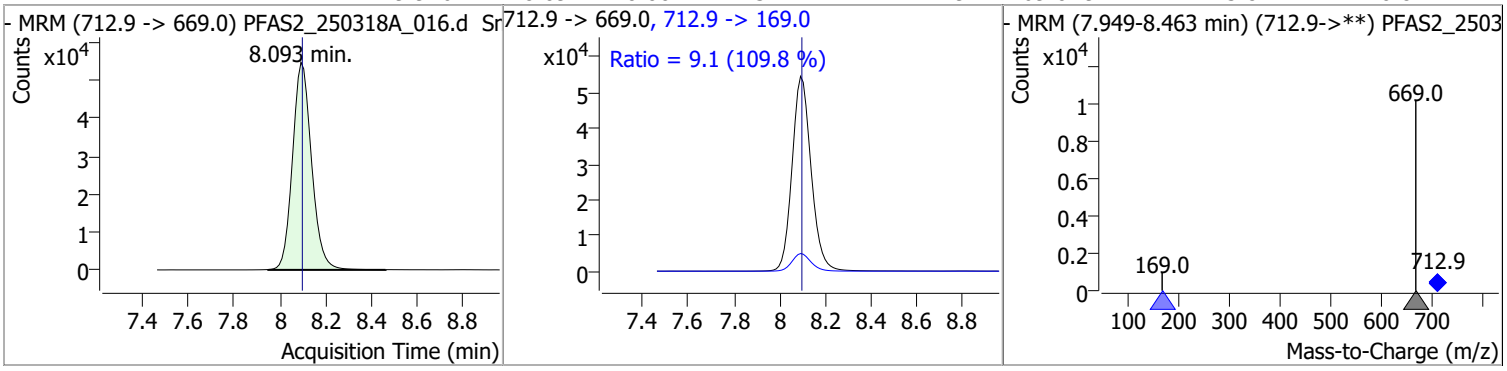
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	21.6652	7.80	0.00	531446	632.9 -> 452.9	35.5	23.0	42.7



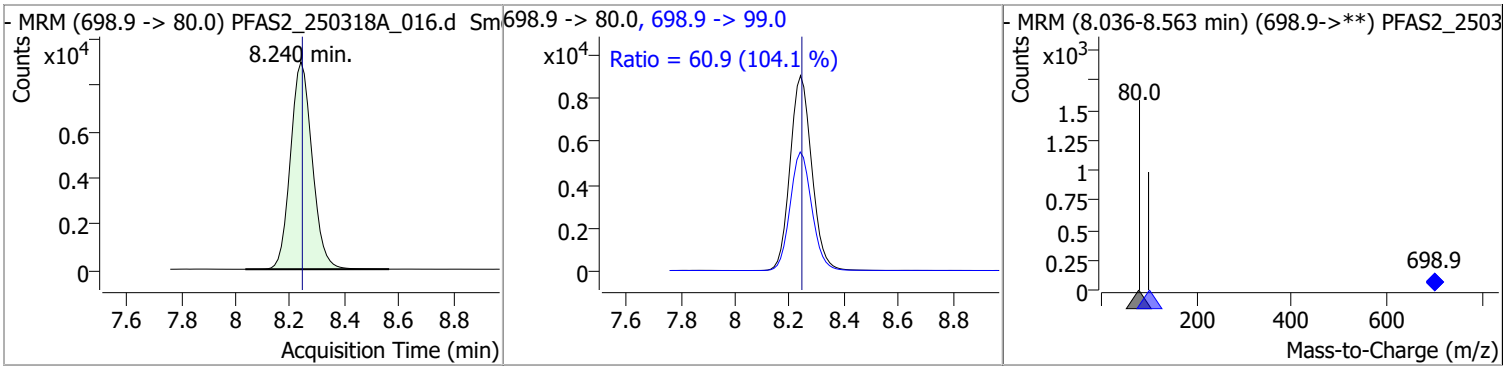
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2720	8.09	0.00	51953				



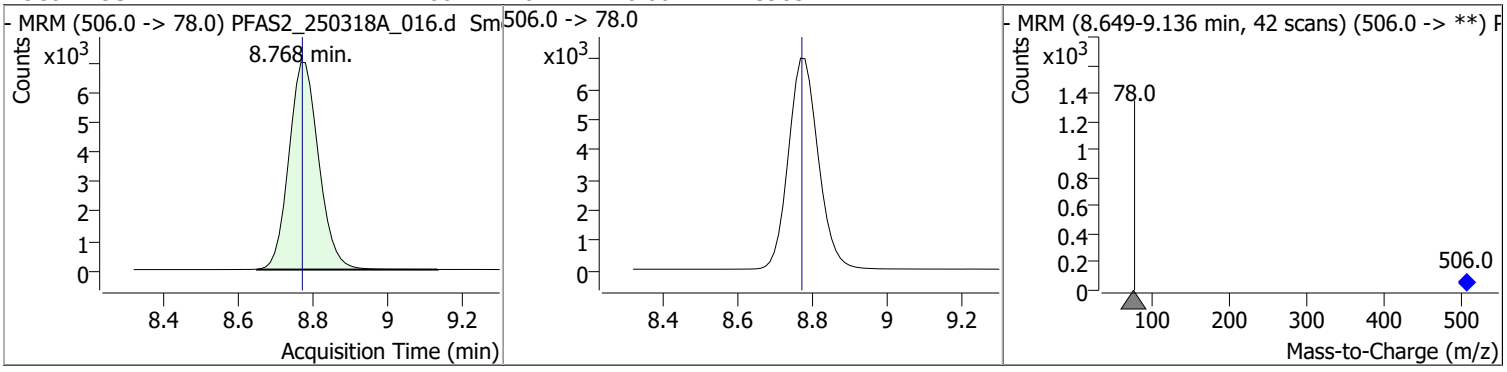
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.9767	8.09	0.00	317141	712.9 -> 169.0	9.1	5.8	10.8



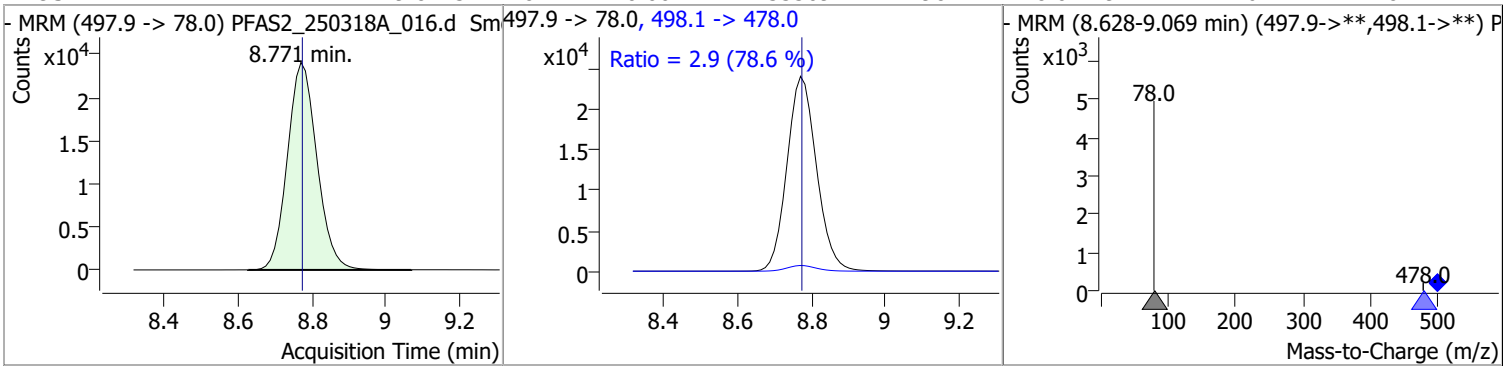
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	10.2257	8.24	0.00	49523	698.9 -> 99.0	60.9	41.0	76.1



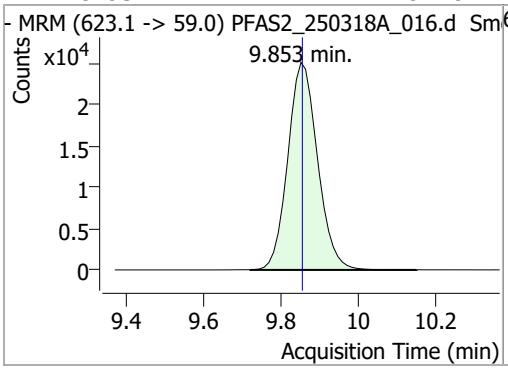
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4804	8.77	0.00	39051				

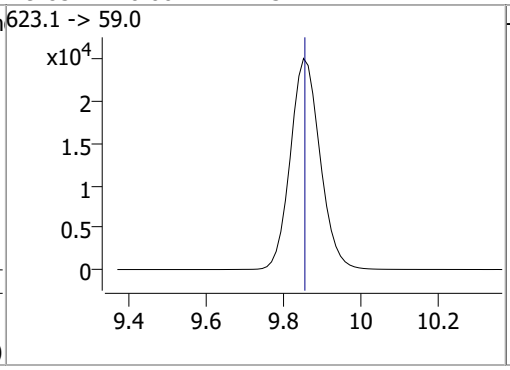


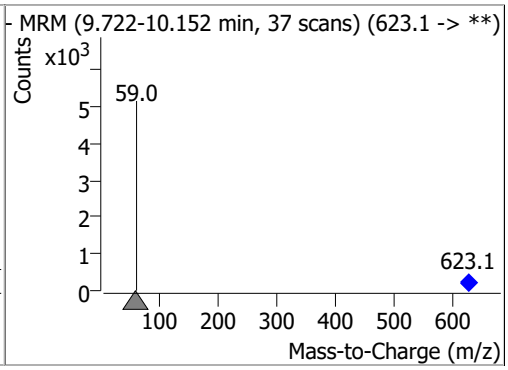
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.8223	8.77	0.00	133309	498.1 -> 478.0	2.9	2.6	4.8



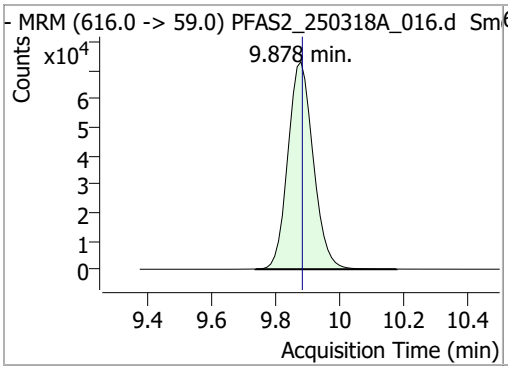
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.1294	9.85	0.00	134114				

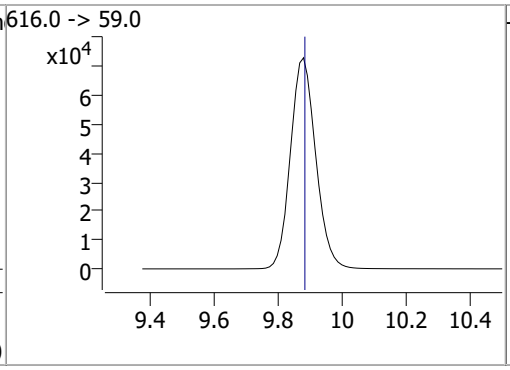


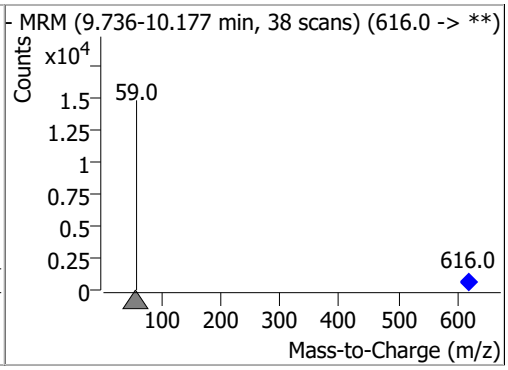




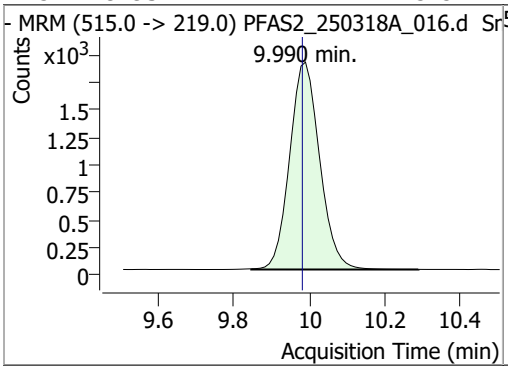
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	99.6587	9.88	0.00	399859				

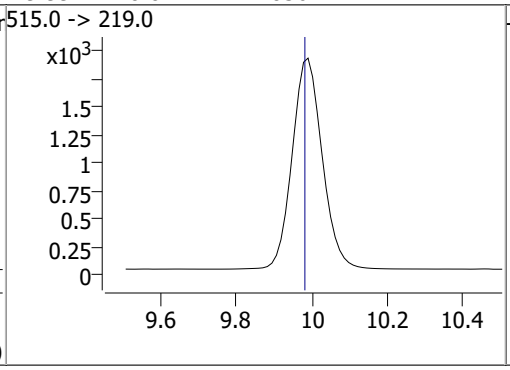


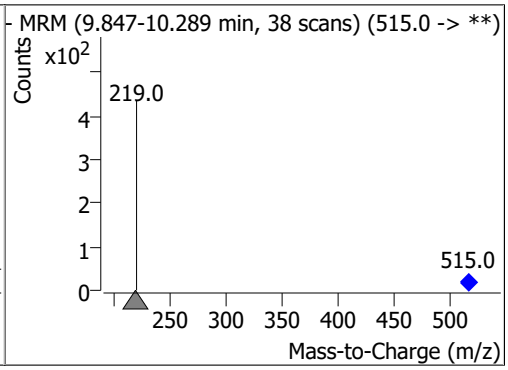




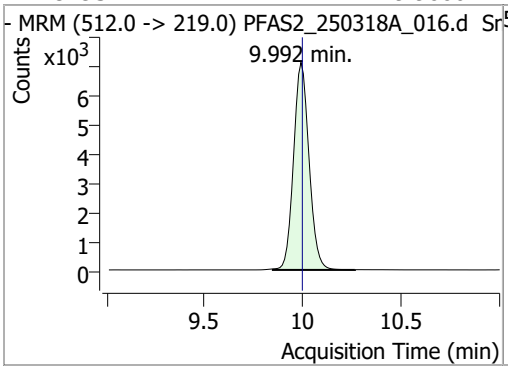
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3452	9.99	0.01	10362				

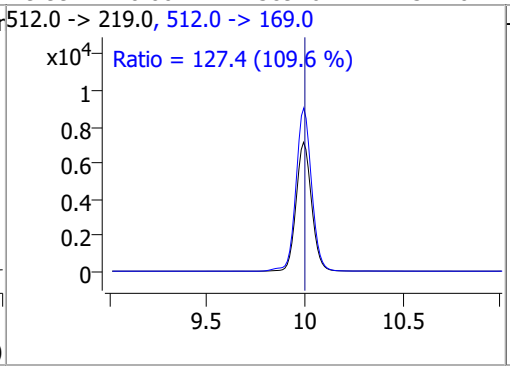


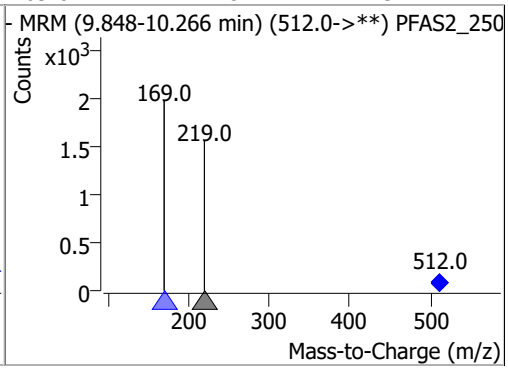




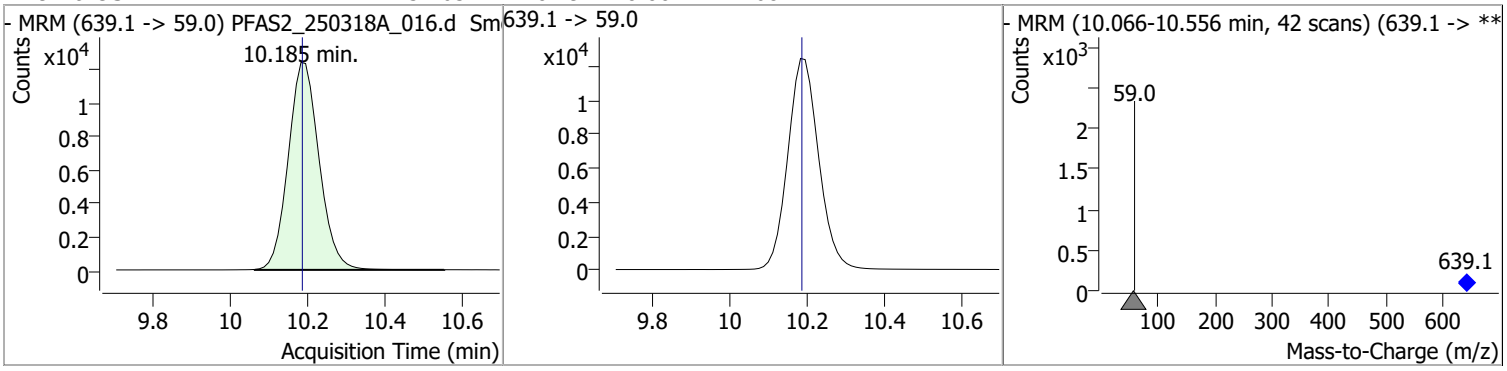
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.9880	9.99	0.00	38926	512.0 -> 169.0	127.4	81.4	151.2



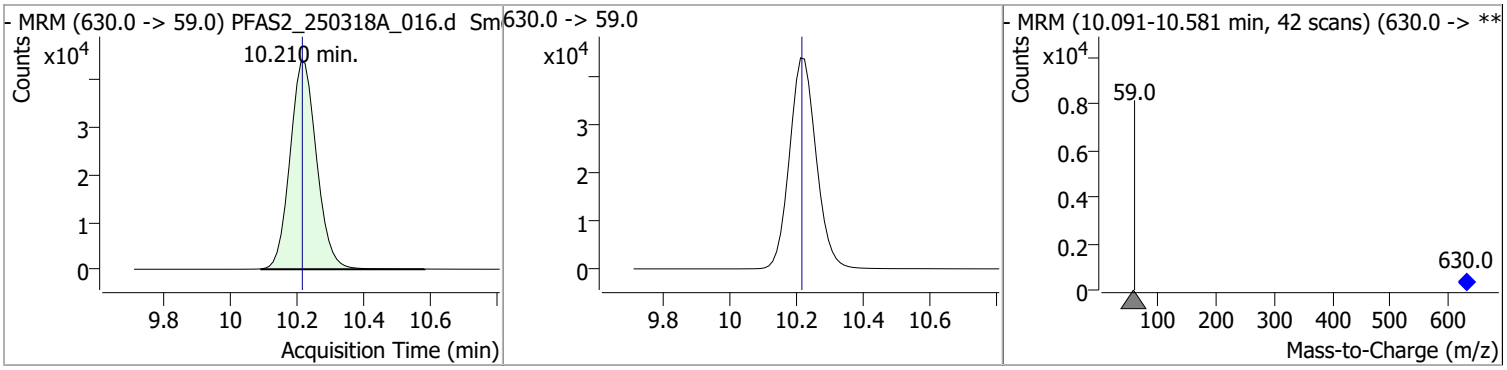




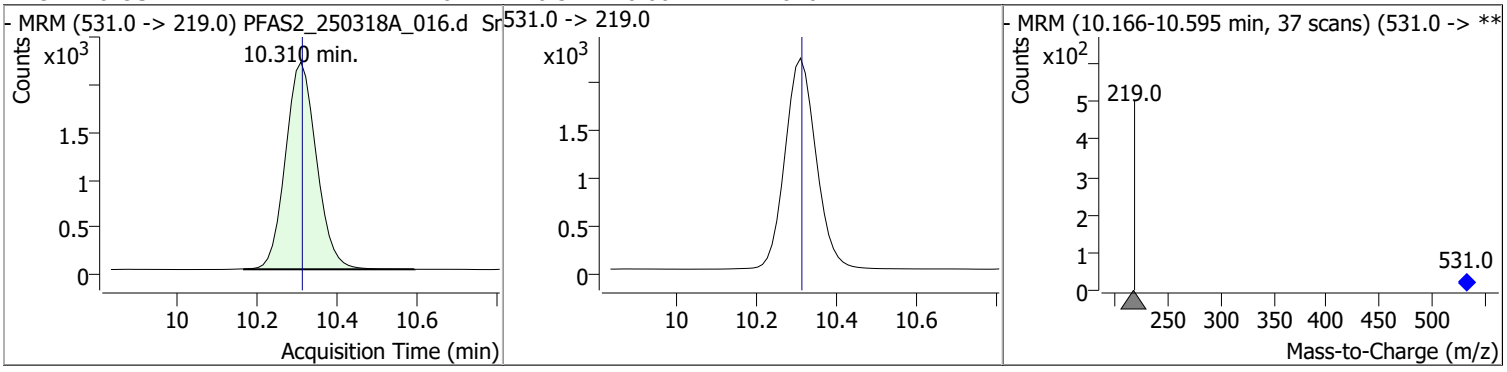
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.4652	10.19	0.00	68774				



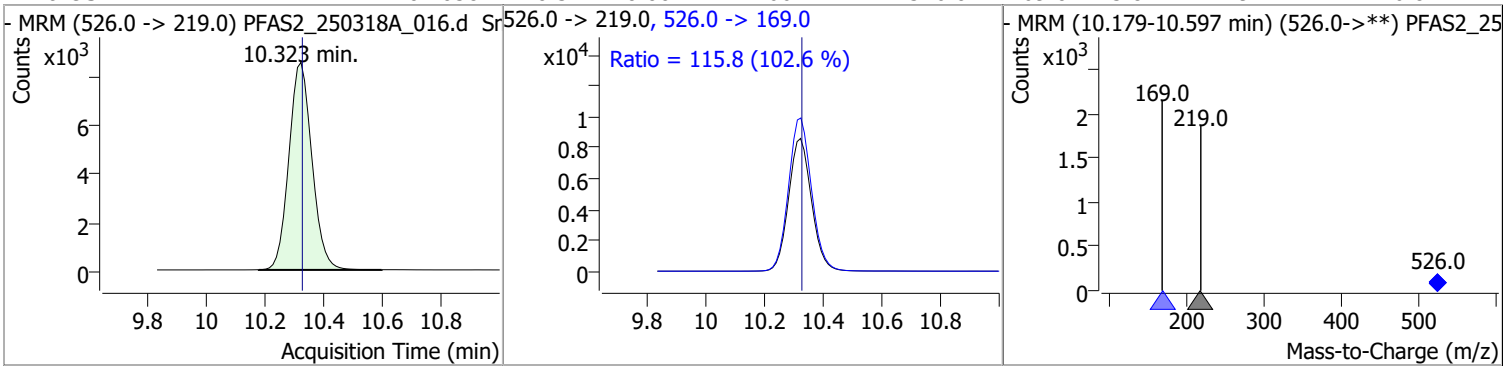
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	100.0720	10.21	0.00	244209				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4784	10.31	0.00	11840				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.2058	10.32	0.00	46611	526.0 -> 169.0	115.8	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_020.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV3 ( )	Injection Time:	19:20

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
PFBA	40.0	38.9		26617.95			30
PFPeA	20.0	19.3		38873.075			30
PFHxA	10.0	9.89		62641.3			30
PFHpA	10.0	9.75		73570.76			30
PFOA	10.0	9.57		69409.98			30
PFNA	10.0	9.49		57247.38			30
PFDA	10.0	10.5		58215.81			30
PFUnA	10.0	9.82		46554.27			30
PFDoA	10.0	9.87		38502.62			30
PFTrDA	10.0	9.55		41797.45			30
PFTeDA	10.0	10.3		39734.2			30
PFBS	8.85	9.23		8197.313920600			30
PFPeS	9.40	10.1		2055.212765957			30
PFHxS	9.15	9.36		15119.462828474			30
PFHpS	9.55	9.32		11433.205385676			30
PFOS	9.30	9.21		1211.731182795			30
PFNS	9.60	10.2		10246.875			30
PFDS	9.65	11.7		737.5120479262			30
PFDoS	9.70	11.3		867.7313538421			30
4:2FTS	37.5	38.2		4442.341333333			30
6:2FTS	38.0	41.7		833.5657894736			30
8:2FTS	38.4	45.3		940.6510416666			30
PFOSA	10.0	9.88		13810.42			30
NMeFOSA	10.0	10.1		4766.884			30
NEtFOSA	10.0	10.1		5554.636			30
NMeFOSAA	10.0	9.40		11030.38			30
NEtFOSAA	10.0	9.54		9013.155			30
NMeFOSE	100	110		4441.804			30
NEtFOSE	100	107		2636.844			30
HFPO-DA	20.0	20.9		17653.455			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_020.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV3 ( )	Injection Time:	19:20

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	17.8		05712.59259259			30
9CL-PF3ONS	18.7	19.4		0858.342245989			30
11CL-PF3OUdS	18.9	24.5		2733.862433862			30
3:3FTCA	40.0	33.5		620.16875			30
5:3FTCA	200	173		4303.4215			30
7:3FTCA	200	207		3963.727			30
PFEESA	17.8	19.1		3327.191011235			30
PFMPA	20.0	18.0		18860.345			30
PFMBA	20.0	18.4		28100.67			30
NFDHA	20.0	22.8		1480.6515			30
13C4-PFBA	10.0	9.93		.1281563137099			30
13C5-PFPeA	5.00	4.97		6705617333528			30
13C5-PFHxA	2.50	2.47		1.088005834912			30
13C4-PFHpA	2.50	2.44		.2010019224217			30
13C8-PFOA	2.50	2.46		1.012199132868			30
13C9-PFNA	1.25	1.24		9835894873975			30
13C6-PFDA	1.25	1.24		.0078536525774			30
13C7-PFUnA	1.25	1.34		85618561487912			30
13C2-PFDoA	1.25	1.50		7150726615399			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.48		7802401843118			30
13C2-PFTeDA	1.25	1.46		84540770708367			30
13C3-PFBS	2.50	2.42		.9835054886792			30
13C3-PFHxS	2.50	2.45		.1567417097296			30
13C8-PFOS	2.50	2.54		.0297351941692			30
13C2-4:2FTS	5.00	4.18		3553771759742			30
13C2-6:2FTS	5.00	3.99		1985069549866			30
13C2-8:2FTS	5.00	3.63		14544972697448			30
13C8-PFOSA	2.50	2.47		.4695279955031			30
D3-NMeFOSA	2.50	2.75		4588976060243			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_020.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV3 ( )	Injection Time:	19:20

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.88		.52051117678404			30
D3-NMeFOSAA	5.00	5.41		.2131529049551			30
D5-NEtFOSAA	5.00	5.39		9133304923252			30
D7-NMeFOSE	25.0	24.5		49406896924767			30
D9-NEtFOSE	25.0	24.8		.2531296530339			30
13C3-HFPO-DA	10.0	10.3		2928647466228			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_020.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 7:20:04 PM
Sample Name	SEQ-CCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

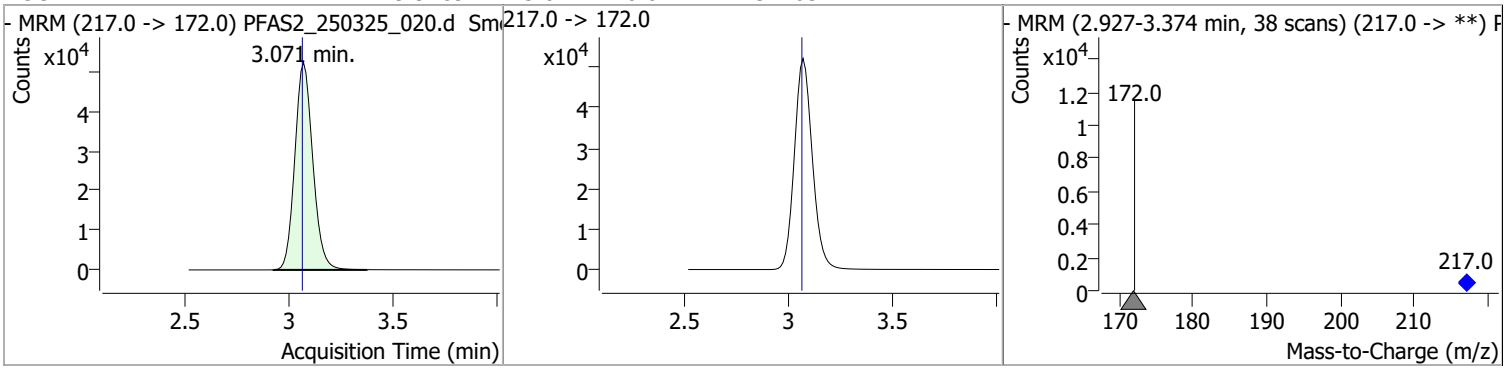
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.075	216.0 -> 172.0	138567	5.0000	µg/L	1.261
13C2-PFHxA	4.902	315.0 -> 270.0	162607	2.5000	µg/L	5.985
18O2-PFHxS	5.955	403.0 -> 84.0	32838	2.5000	µg/L	10.825
13C4-PFOA	5.823	417.0 -> 172.0	16662	2.5000	µg/L	7.858
13C5-PFNA	6.226	468.0 -> 423.0	78587	1.2500	µg/L	10.418
13C2-PFDA	6.603	515.0 -> 470.0	74409	1.2500	µg/L	11.263
13C4-PFOS	6.759	503.0 -> 80.0	27361	2.5000	µg/L	9.844
System Monitoring Compounds						
13C4-PFBA	3.071	217.0 -> 172.0	312652	10.0000	µg/L	0.586
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.29%		
13C5-PFPeA	4.234	268.0 -> 223.0	218077	5.0000	µg/L	5.393
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.45%		
13C5-PFPeA	4.234	268.0 -> 223.0	218077	5.0000	µg/L	5.393
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.45%		
13C2-4-2 FTSA	4.709	329.0 -> 81.0	23339	5.0000	µg/L	-7.620
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.69%		
13C5-PFHxA	4.901	318.0 -> 273.0	176918	2.5000	µg/L	4.782
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.84%		
13C5-PFHxA	4.901	318.0 -> 273.0	176918	2.5000	µg/L	4.782
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.84%		
13C3-PFBS	4.941	302.0 -> 80.0	65134	2.5000	µg/L	7.262
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.89%		
13C3-HFPO-DA	5.098	287.0 -> 169.0	190488	10.0000	µg/L	8.993
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.83%		
13C4-PFHpA	5.397	367.0 -> 322.0	195292	2.5000	µg/L	3.391
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.58%		
13C3-PFHxS	5.956	402.0 -> 80.0	37985	2.5000	µg/L	8.687
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.10%		
13C2-6-2 FTSA	5.654	429.0 -> 81.0	13037	5.0000	µg/L	-11.725
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 79.74%		
13C8-PFOA	5.823	421.0 -> 376.0	183484	2.5000	µg/L	6.219
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.50%		
13C3-PFHxS	5.956	402.0 -> 80.0	37985	2.5000	µg/L	8.687
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.10%		
13C9-PFNA	6.225	472.0 -> 427.0	77297	1.2500	µg/L	9.697
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.30%		
13C8-PFOS	6.771	507.0 -> 80.0	28175	2.5000	µg/L	11.435
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.49%		
13C2-8-2 FTSA	6.424	529.0 -> 81.0	9552	5.0000	µg/L	-19.359
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 72.67%		
13C6-PFDA	6.603	519.0 -> 474.0	74993	1.2500	µg/L	10.349
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.08%		
2H3-N-MeFOSAA	6.741	573.0 -> 419.0	66387	5.0000	µg/L	18.933
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.15%		
13C8-PFOS	6.771	507.0 -> 80.0	28175	2.5000	µg/L	11.435

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.49%		
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	49980	5.0000	µg/L	18.521
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.85%		
13C7-PFUnDA	6.978	570.0 -> 525.0	63708	1.2500	µg/L	18.851
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 106.81%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	58057	1.2500	µg/L	31.603
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 118.09%		
13C2-PFDoDA	7.344	615.0 -> 570.0	53208	1.2500	µg/L	33.202
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 119.73%		
13C2-PFTDA	8.068	715.0 -> 670.0	62906	1.2500	µg/L	30.280
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 116.73%		
13C8-PFOSA	8.792	506.0 -> 78.0	40208	2.5000	µg/L	8.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.84%		
13C8-PFOSA	8.792	506.0 -> 78.0	40208	2.5000	µg/L	8.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.84%		
2H7-MeFOSE	9.853	623.1 -> 59.0	135183	25.0000	µg/L	7.592
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.03%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	12556	2.5000	µg/L	21.089
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 109.98%		
2H9-EtFOSE	10.185	639.1 -> 59.0	69259	25.0000	µg/L	9.054
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.25%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	14242	2.5000	µg/L	26.705
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 115.36%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	1064718	38.8674	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.17%		
PFMPA	3.614	229.0 -> 85.0	377207	17.9589	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 89.79%		
3-3 FTCA	3.790	241.0 -> 177.0	24807	33.4788	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 83.70%		
PFPeA	4.235	263.0 -> 219.0	777462	19.2617	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.31%		
PFMBA	4.465	279.0 -> 85.0	562013	18.3620	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 91.81%		
4-2 FTSA	4.710	327.0 -> 307.0	541588	38.1807	µg/L	99
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 101.82%		
NFDHA	4.834	295.0 -> 201.0	29613	22.7588	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 113.79%		
PFHxA	4.904	313.0 -> 269.0	626413	9.8949	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.95%		
PFBS	4.942	298.9 -> 80.0	249546	9.2335	µg/L	95
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 104.10%		
HFPO-DA	5.098	285.0 -> 169.0	353069	20.8912	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 104.46%		
PFEESA	5.212	314.9 -> 135.0	1661224	19.0508	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 107.03%		
PFHpA	5.398	363.0 -> 319.0	735708	9.7523	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.52%		
5-3 FTCA	5.482	341.0 -> 237.0	860684	172.5694	µg/L	94
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 86.28%		
PFPeS	5.506	348.9 -> 80.0	207319	10.1084	µg/L	92
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 107.42%		
DONA	5.551	377.0 -> 251.0	1997968	17.7940	µg/L	100
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 94.15%		

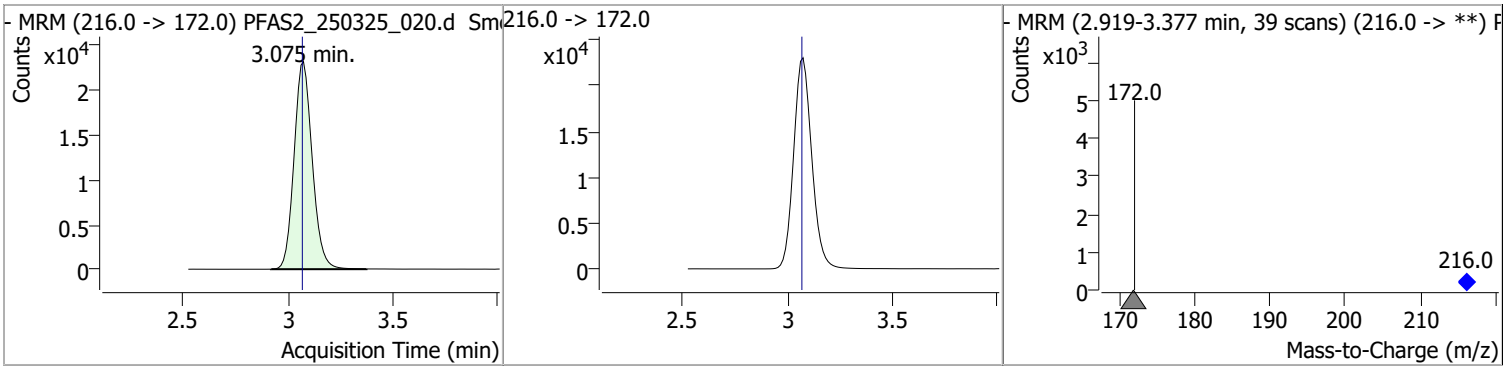
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.654	427.0 -> 407.0	373676	41.6807	µg/L		94
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 109.69%			
PFOA	5.824	413.0 -> 369.0	694100	9.5720	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.72%			
PFHxS	5.957	398.9 -> 80.0	138343	9.3637	µg/L		92
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 102.45%			
PFNA	6.226	463.0 -> 419.0	572474	9.4924	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.92%			
PFHpS	6.370	448.9 -> 80.0	109187	9.3171	µg/L		91
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.77%			
8-2 FTSA	6.424	527.0 -> 507.0	189721	45.3156	µg/L	#	75
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 118.01%			
PFDA	6.604	513.0 -> 469.0	582158	10.4885	µg/L		92
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.89%			
7-3 FTCA	6.620	441.0 -> 317.0	792745	207.1436	µg/L		95
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 103.57%			
N-MeFOSAA	6.742	570.0 -> 419.0	110304	9.3974	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 93.97%			
PFOS	6.760	498.9 -> 80.0	104269	9.2139	µg/L		95
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 99.29%			
N-EtFOSAA	6.953	584.0 -> 419.0	90132	9.5404	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.40%			
PFUnDA	6.979	563.0 -> 519.0	465543	9.8236	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.24%			
9Cl-PF3ONS	7.041	530.9 -> 350.9	1138051	19.4177	µg/L		95
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 103.84%			
PFNS	7.148	548.9 -> 80.0	98370	10.2350	µg/L		89
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 106.39%			
PFDoDA	7.344	613.0 -> 569.0	385026	9.8710	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.71%			
PFDS	7.513	598.9 -> 80.0	84317	11.7413	µg/L		96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 121.67%			
PFTrDA	7.713	663.0 -> 619.0	417975	9.5550	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.55%			
11Cl-PF3OUdS	7.775	630.9 -> 450.9	618670	24.5199	µg/L		96
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 129.73%			
PFTDA	8.069	712.9 -> 669.0	397342	10.3232	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.23%			
PFDoS	8.216	698.9 -> 80.0	56917	11.3345	µg/L		95
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 116.85%			
PFOSA	8.795	497.9 -> 78.0	138104	9.8829	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.83%			
MeFOSE	9.878	616.0 -> 59.0	444180	109.9120	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 109.91%			
N-MeFOSA	9.992	512.0 -> 219.0	47669	10.0939	µg/L		93
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.94%			
EtFOSE	10.222	630.0 -> 59.0	263684	107.3907	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 107.39%			
N-EtFOSA	10.323	526.0 -> 219.0	55546	10.1117	µg/L		100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.12%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

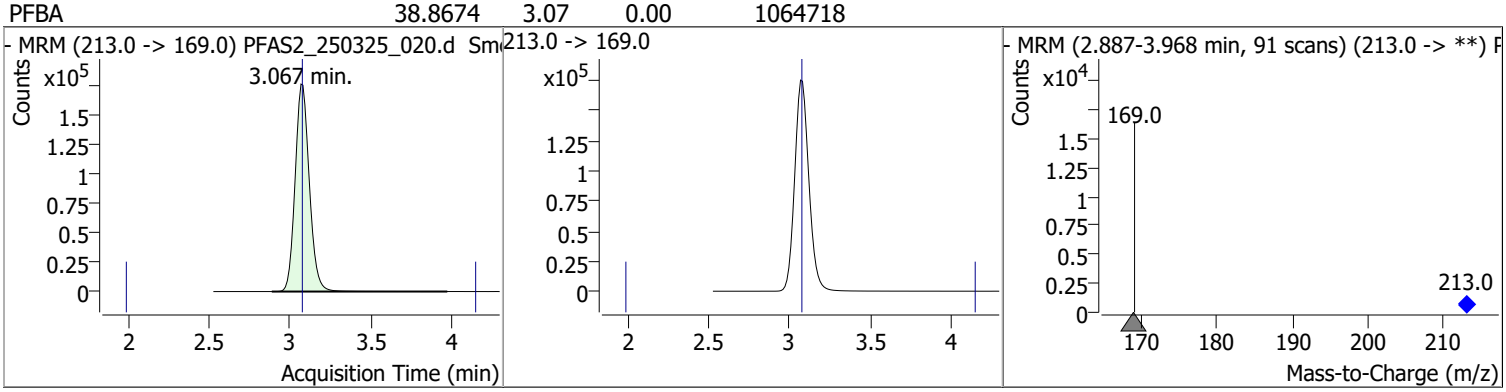
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9289	3.07	0.01	312652				



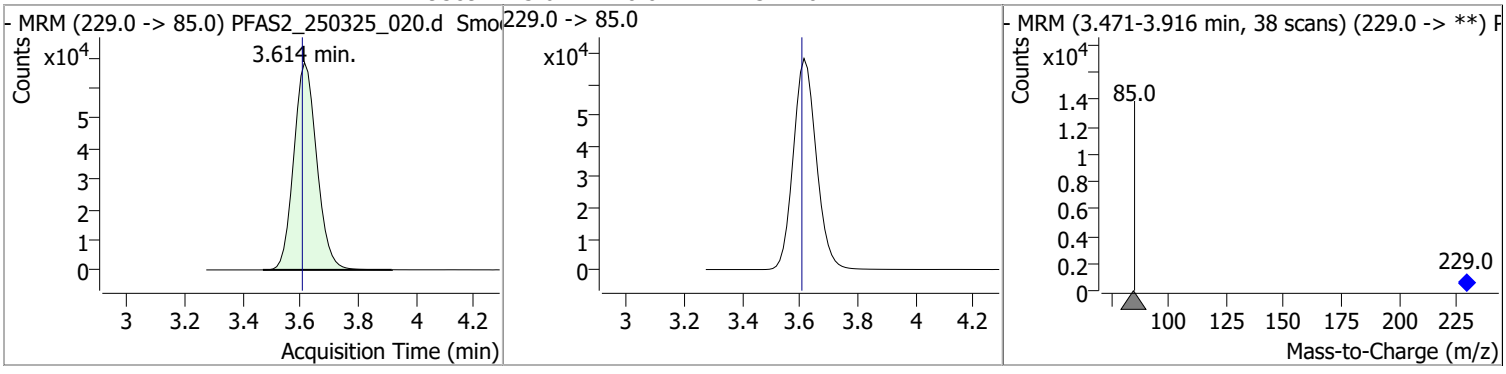
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.01	138567				



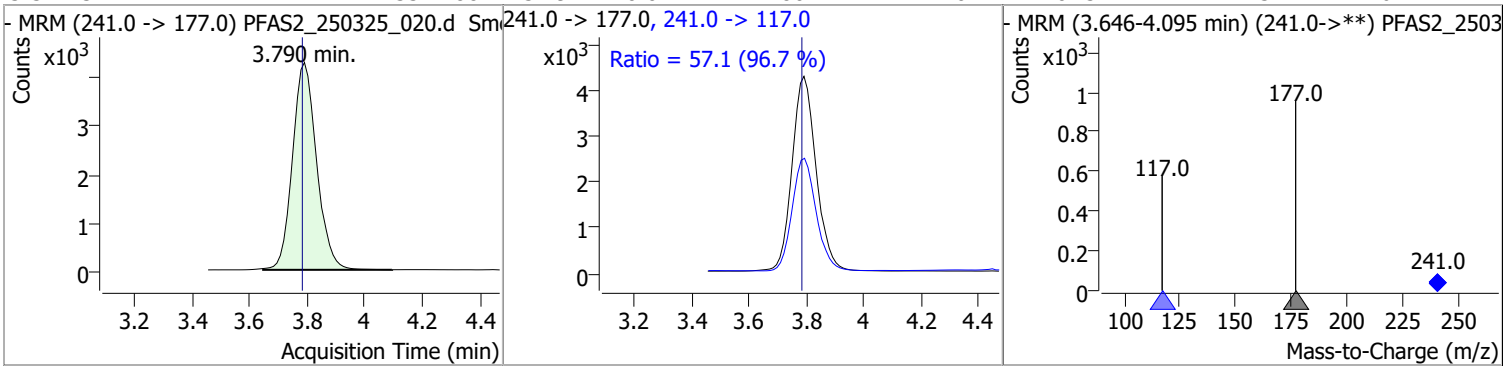
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.8674	3.07	0.00	1064718				



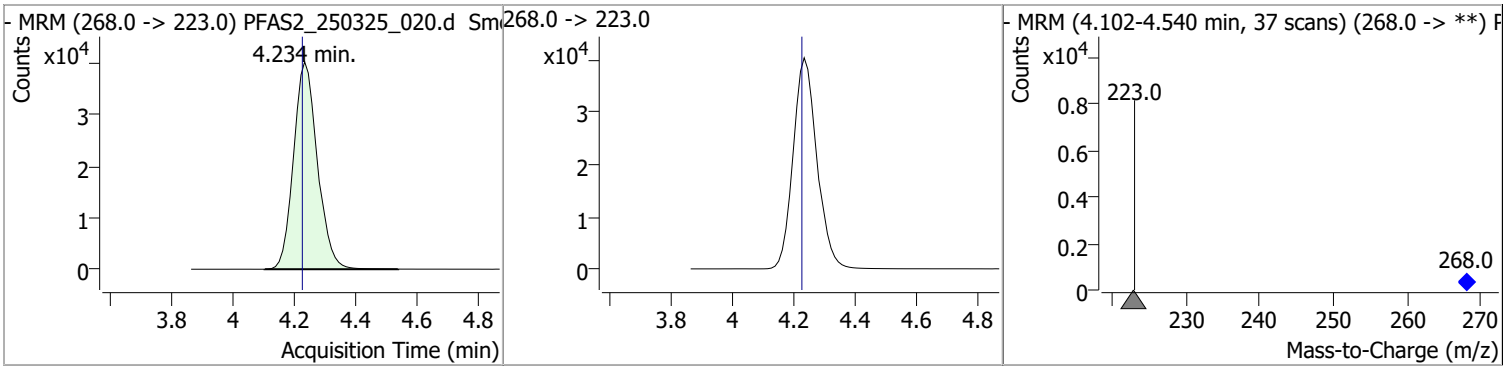
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	17.9589	3.61	0.01	377207				



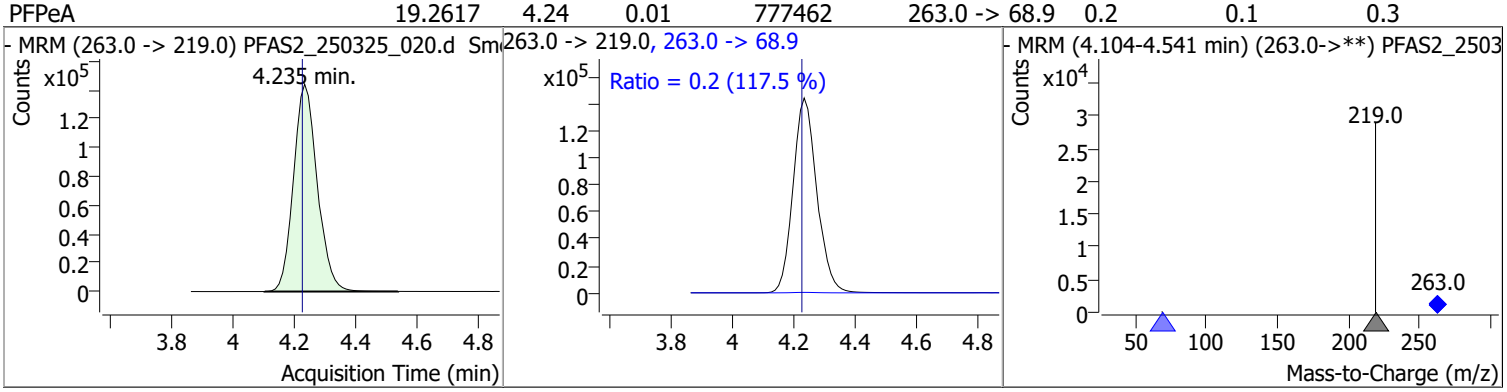
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	33.4788	3.79	0.01	24807	241.0 -> 117.0	57.1	41.3	76.7



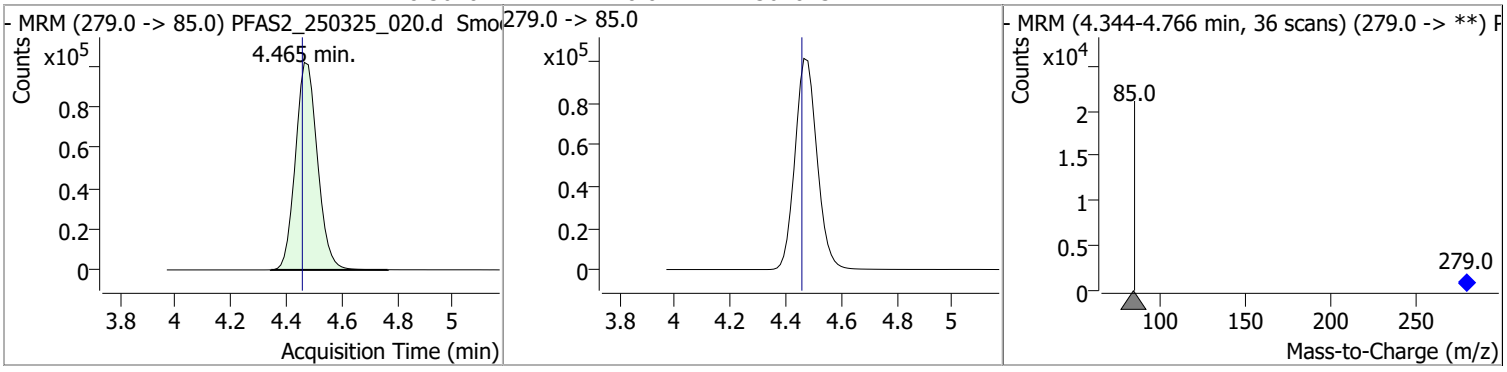
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9723	4.23	0.01	218077				



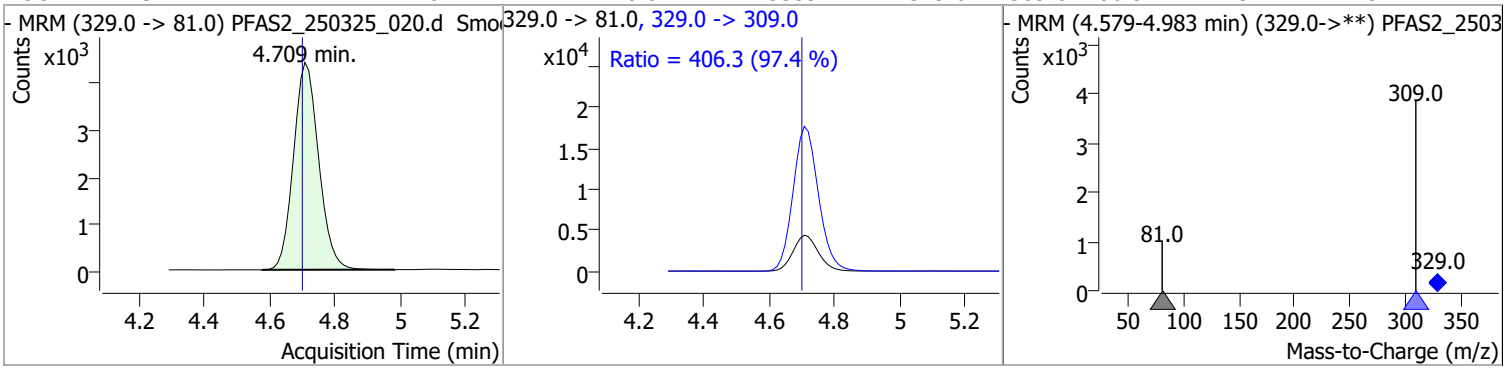
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.2617	4.24	0.01	777462	263.0 -> 68.9	0.2	0.1	0.3



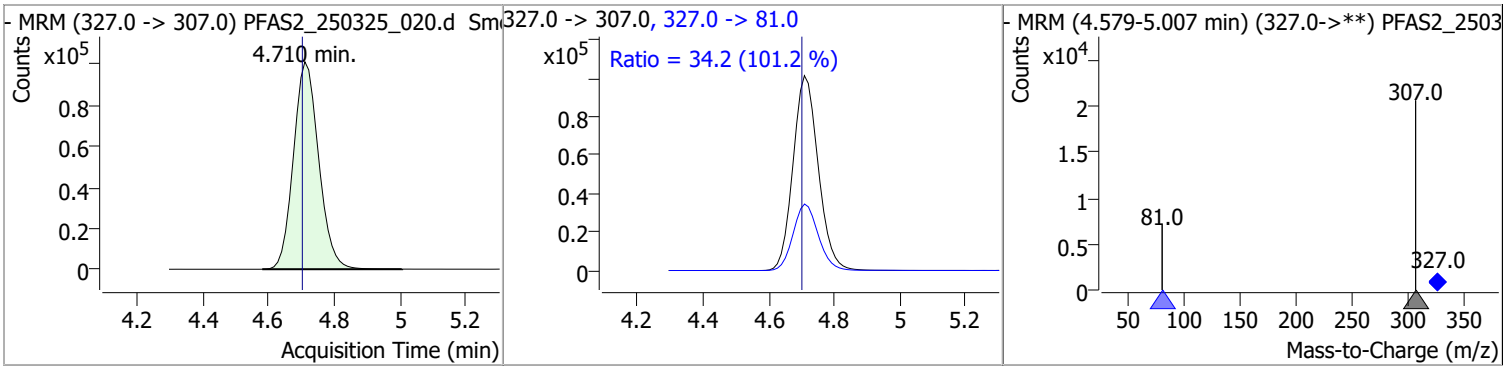
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.3620	4.47	0.01	562013				



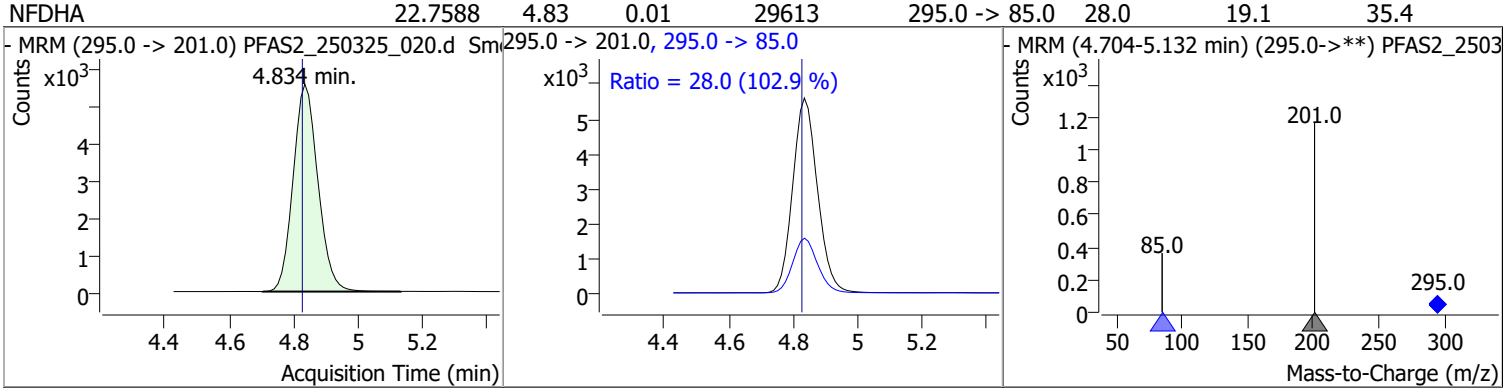
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1847	4.71	0.01	23339	329.0 -> 309.0	406.3	292.1	542.4



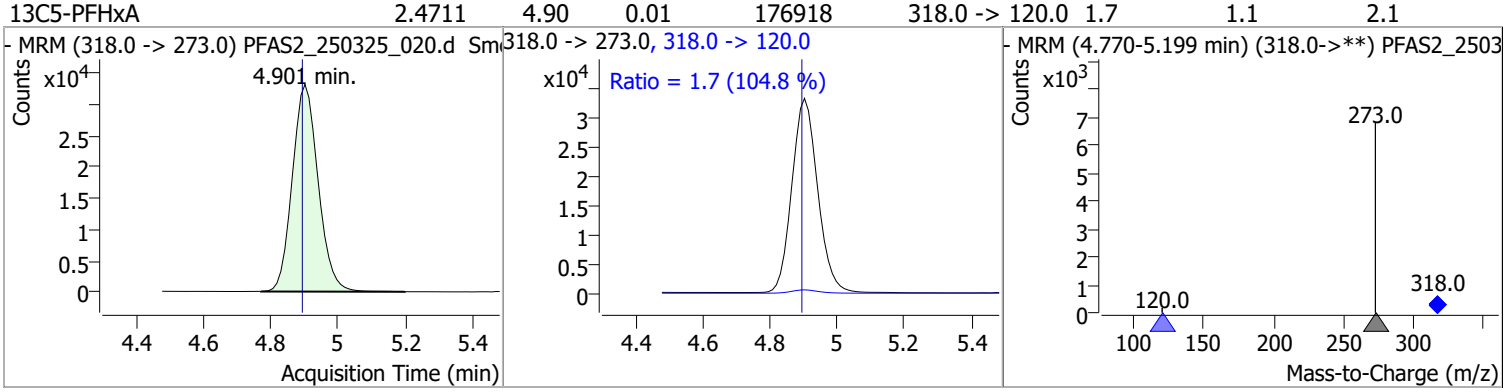
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	38.1807	4.71	0.01	541588	327.0 -> 81.0	34.2	23.6	43.9



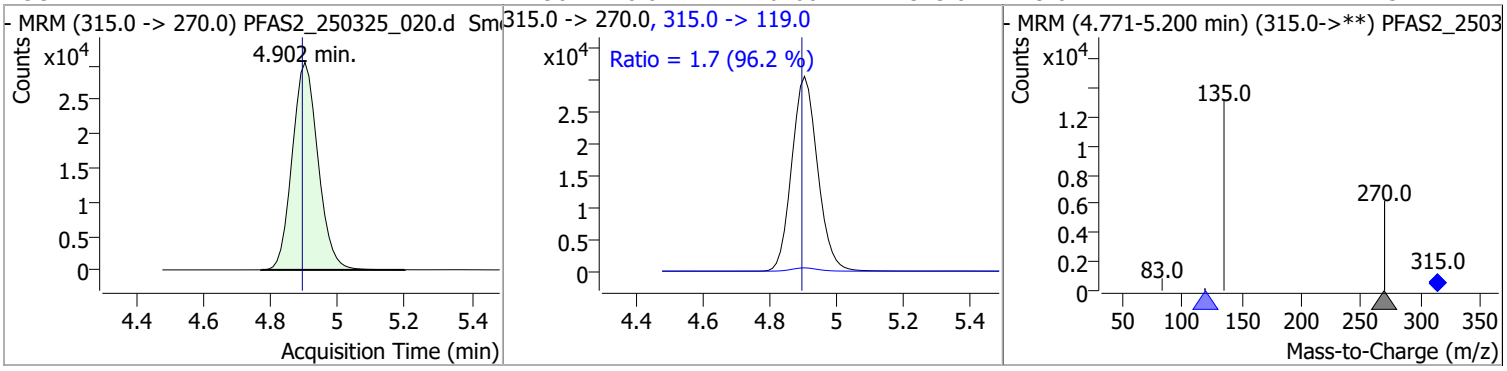
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	22.7588	4.83	0.01	29613	295.0 -> 85.0	28.0	19.1	35.4



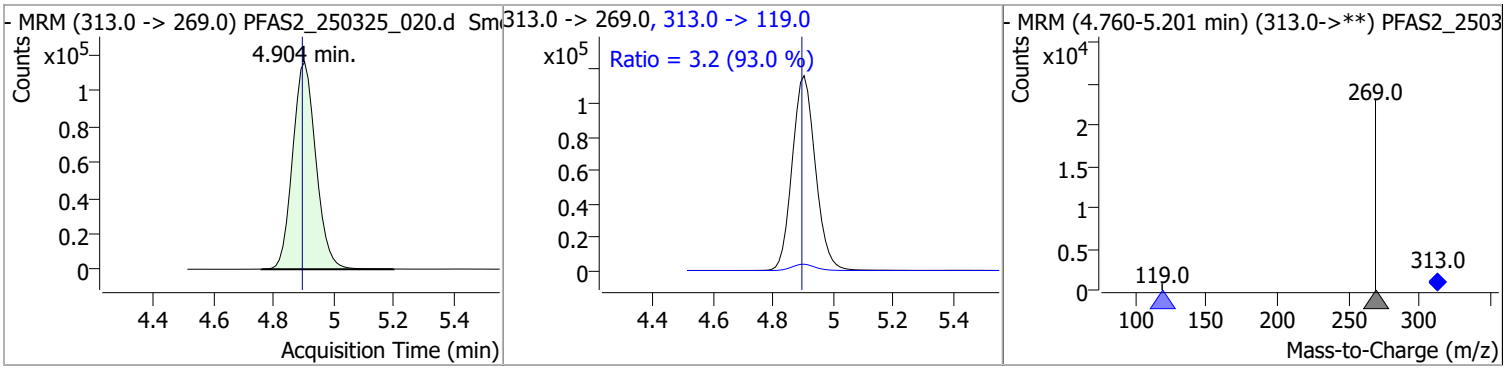
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4711	4.90	0.01	176918	318.0 -> 120.0	1.7	1.1	2.1



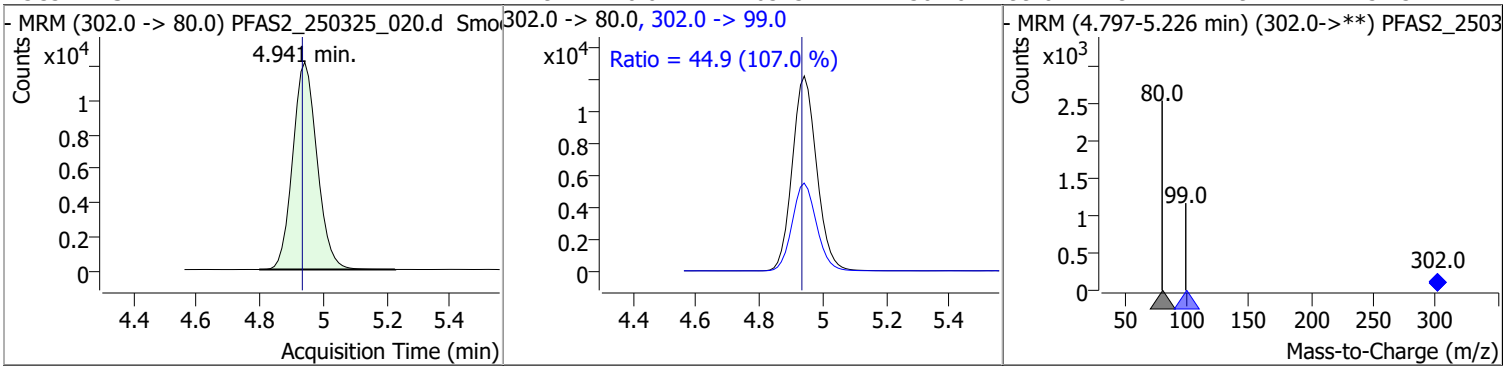
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	162607	315.0 -> 119.0	1.7	1.2	2.3



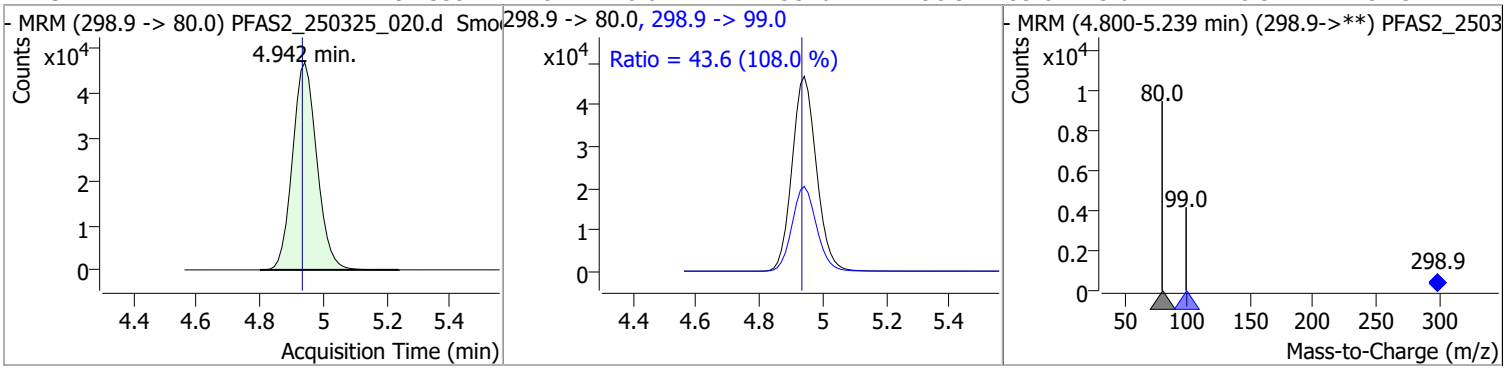
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.8949	4.90	0.01	626413	313.0 -> 119.0	3.2	2.4	4.5



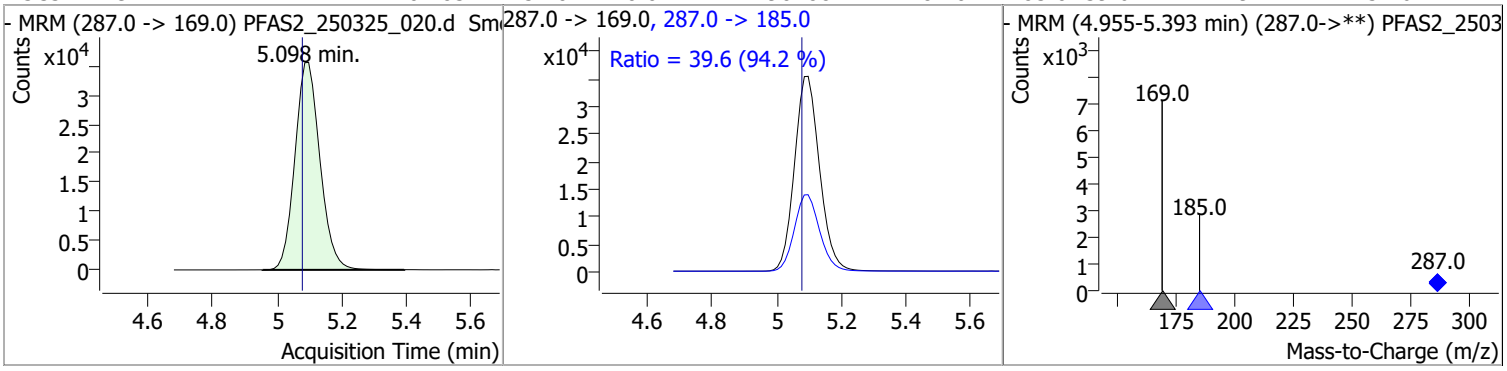
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4222	4.94	0.01	65134	302.0 -> 99.0	44.9	29.4	54.5



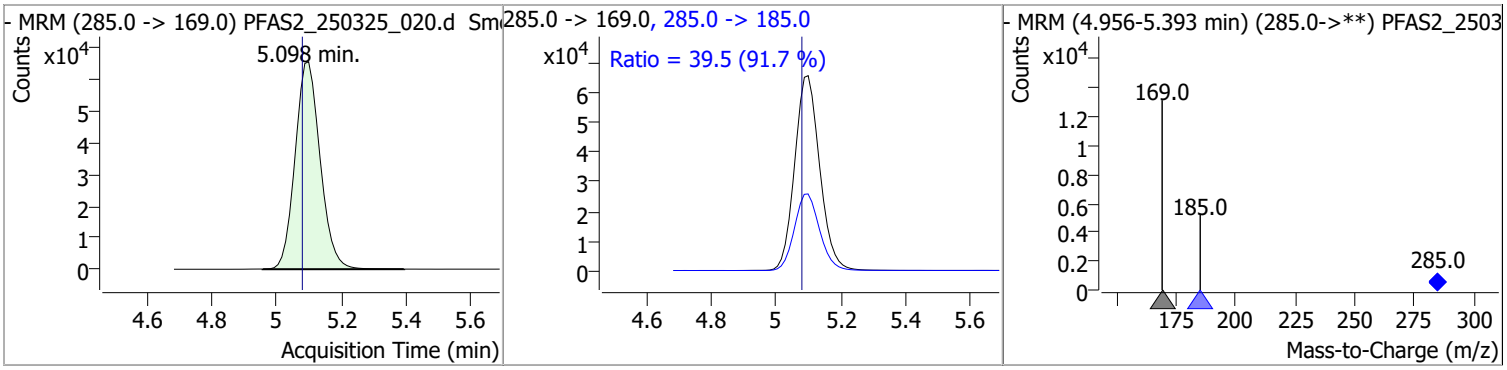
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	9.2335	4.94	0.01	249546	298.9 -> 99.0	43.6	28.3	52.5



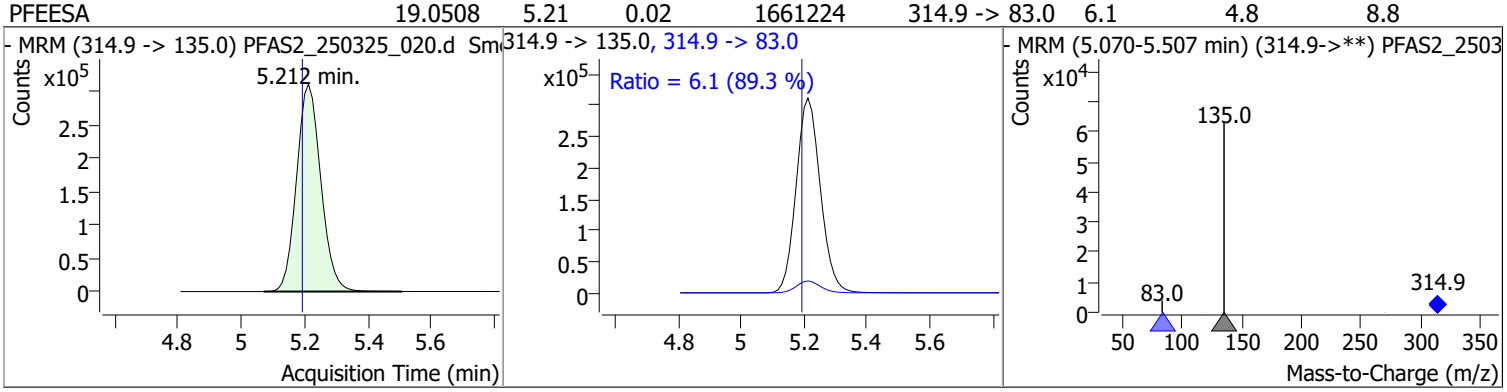
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2834	5.10	0.02	190488	287.0 -> 185.0	39.6	29.4	54.6



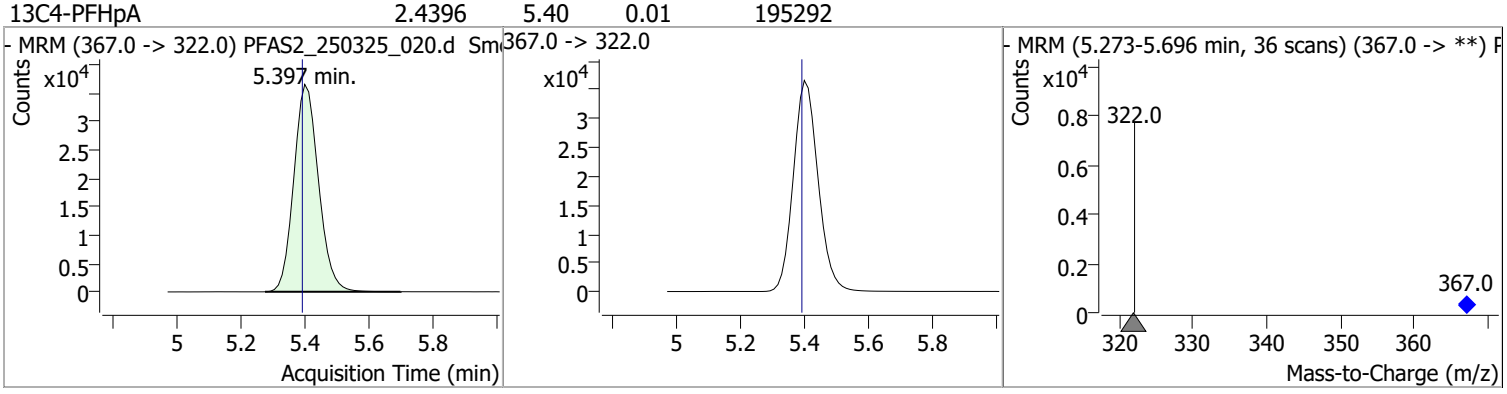
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	20.8912	5.10	0.02	353069	285.0 -> 185.0	39.5	30.1	56.0



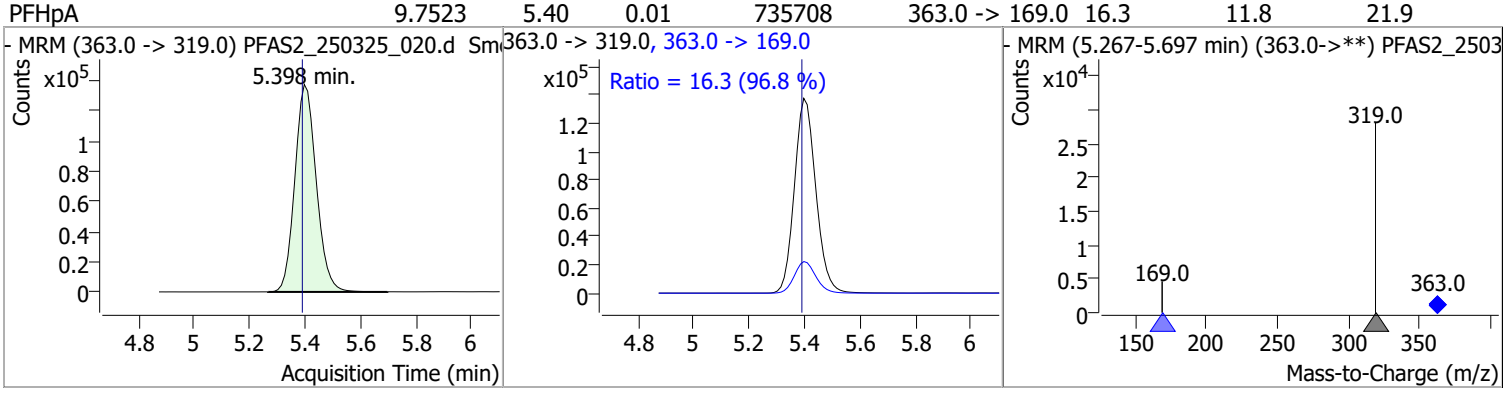
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	19.0508	5.21	0.02	1661224	314.9 -> 83.0	6.1	4.8	8.8



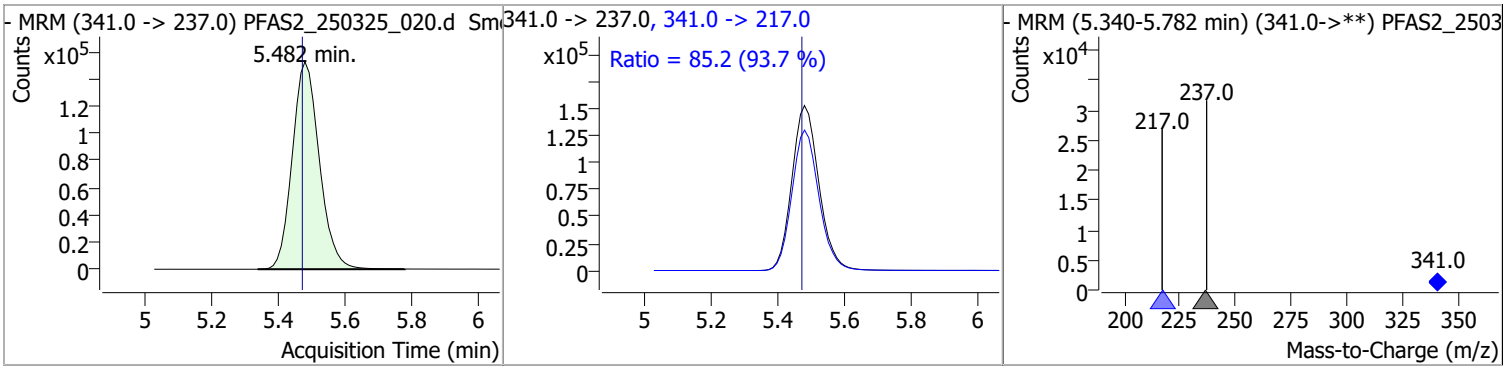
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4396	5.40	0.01	195292				



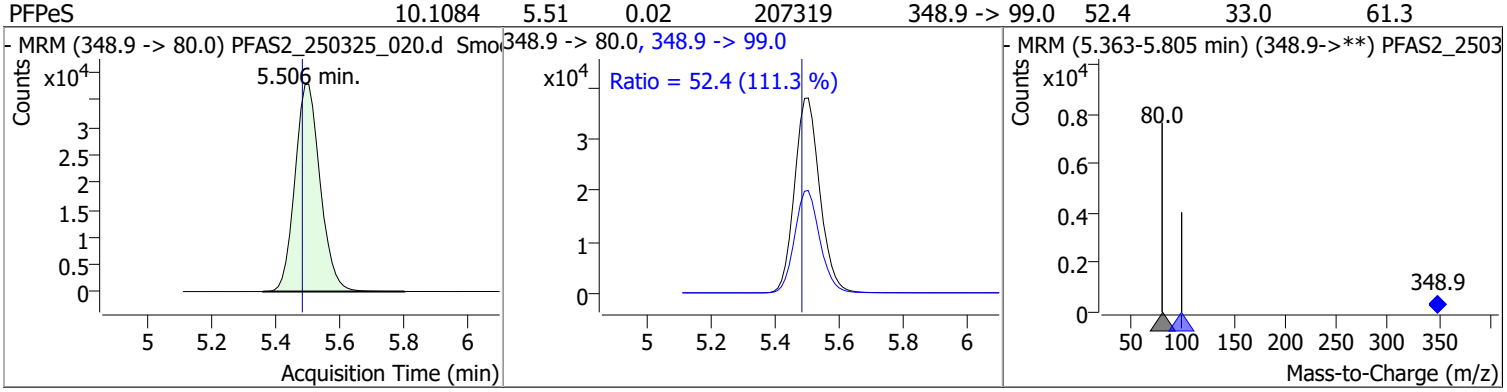
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.7523	5.40	0.01	735708	363.0 -> 169.0	16.3	11.8	21.9



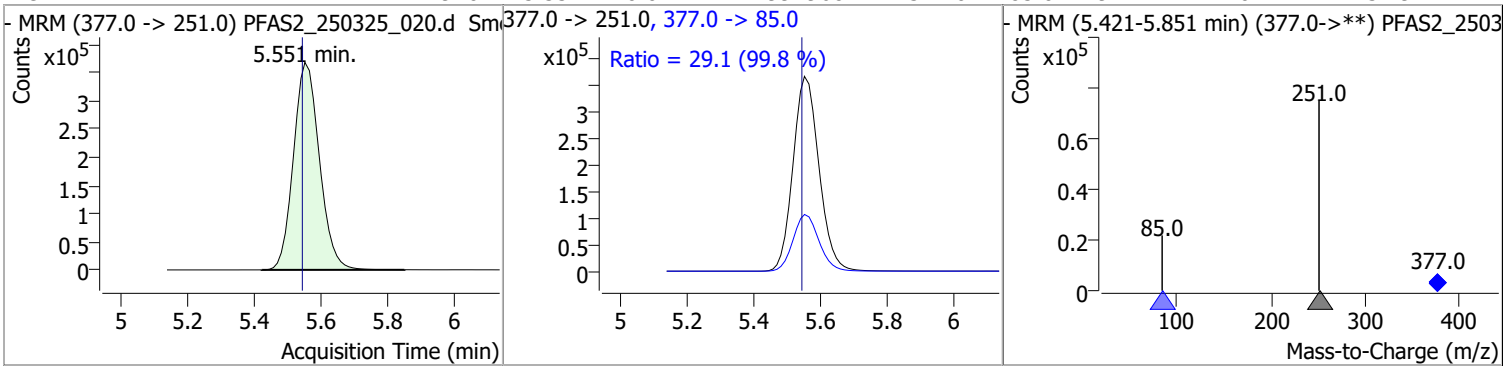
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	172.5694	5.48	0.01	860684	341.0 -> 217.0	85.2	63.6	118.1



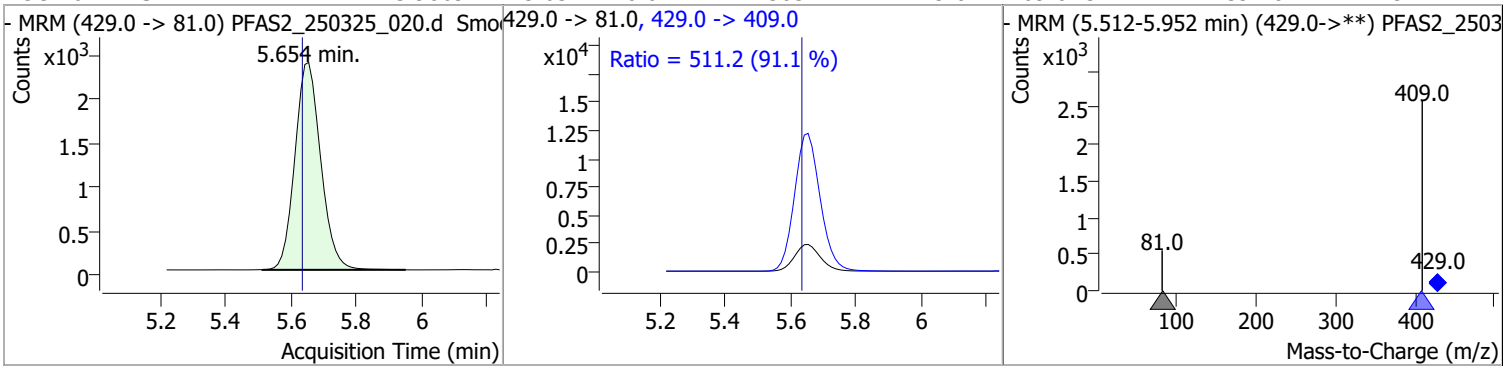
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	10.1084	5.51	0.02	207319	348.9 -> 99.0	52.4	33.0	61.3



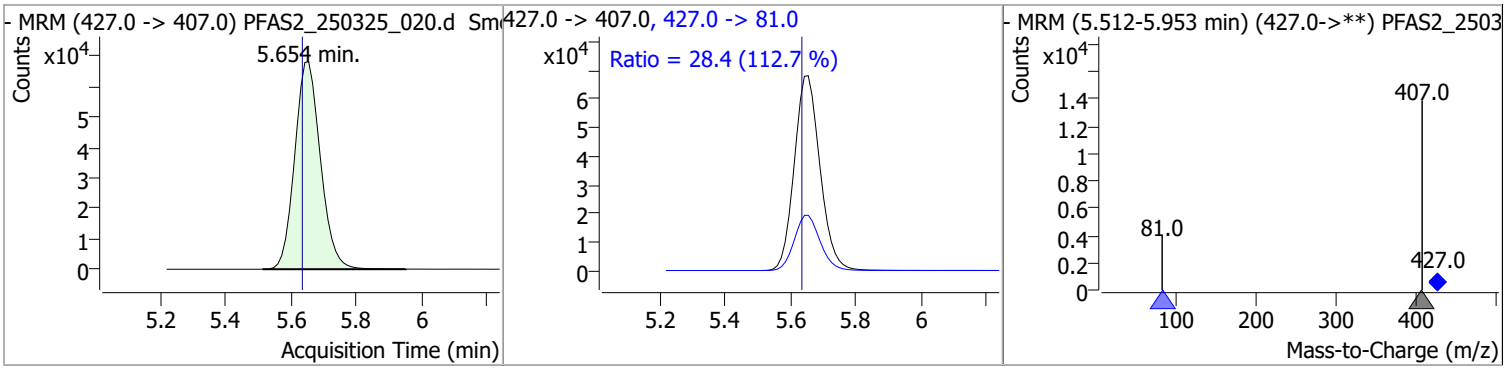
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	17.7940	5.55	0.01	1997968	377.0 -> 85.0	29.1	20.4	37.9



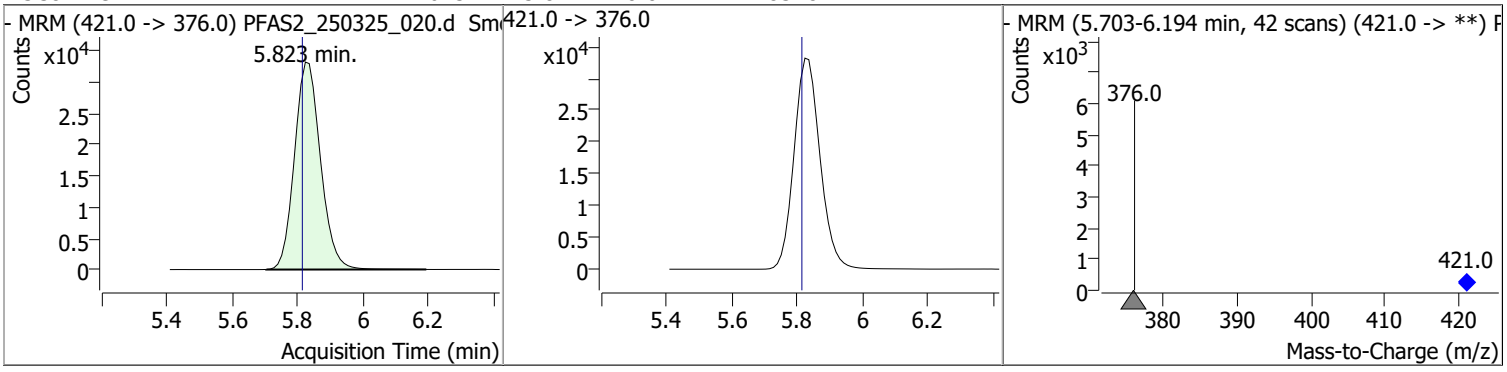
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	3.9869	5.65	0.02	13037	429.0 -> 409.0	511.2	392.8	729.4



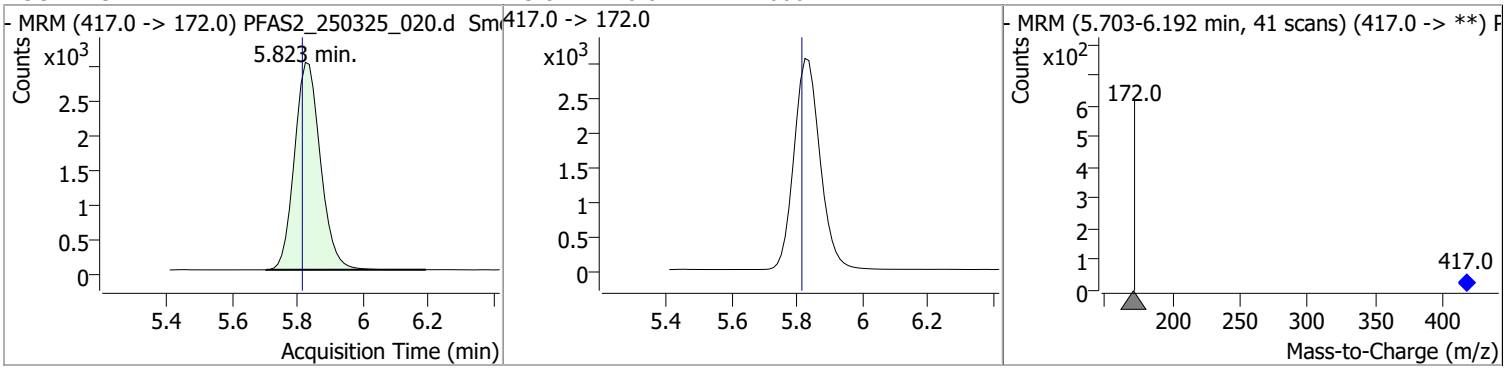
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	41.6807	5.65	0.02	373676	427.0 -> 81.0	28.4	17.7	32.8



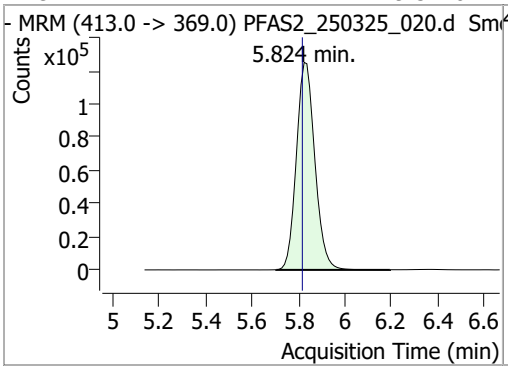
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4625	5.82	0.01	183484				

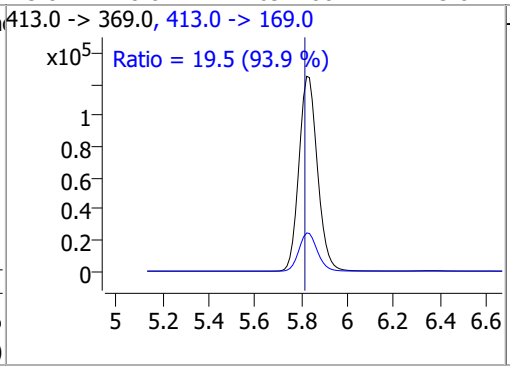


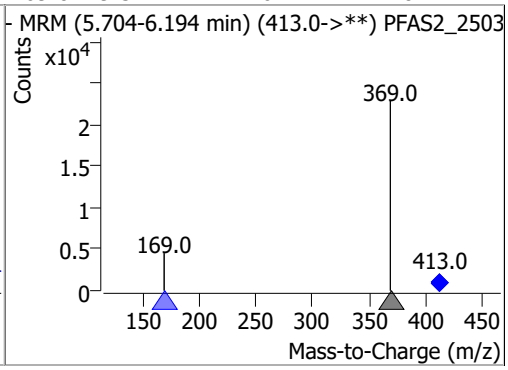
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	16662				



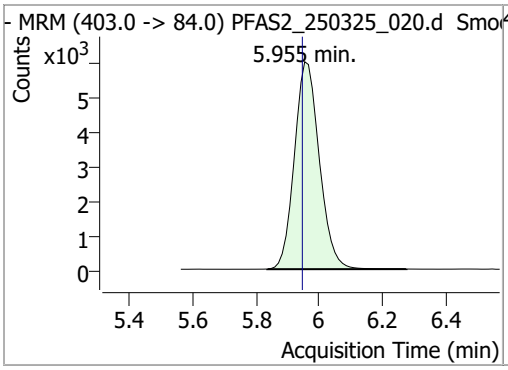
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.5720	5.82	0.01	694100	413.0 -> 169.0	19.5	14.6	27.0

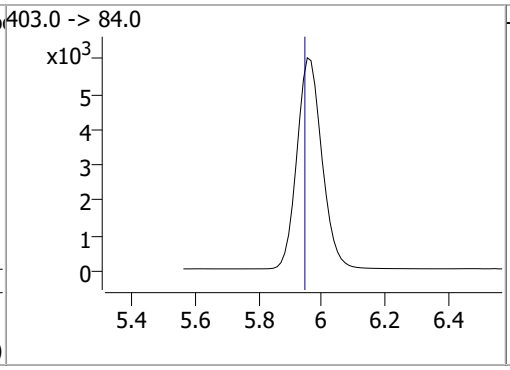


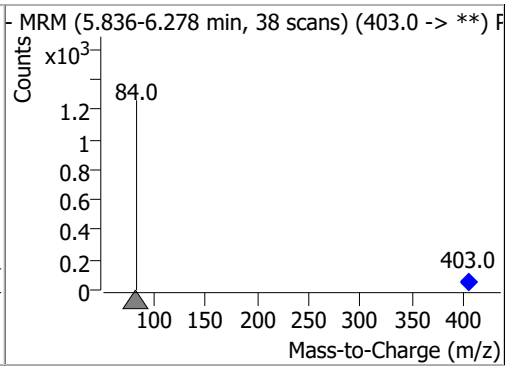




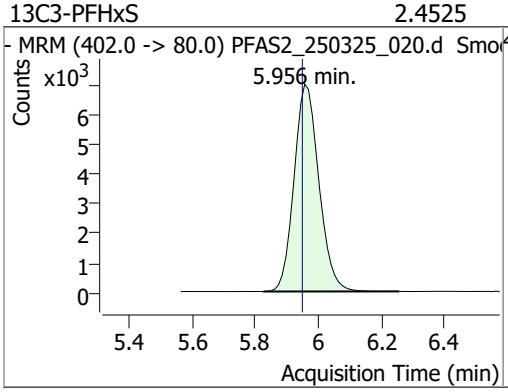
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	32838				

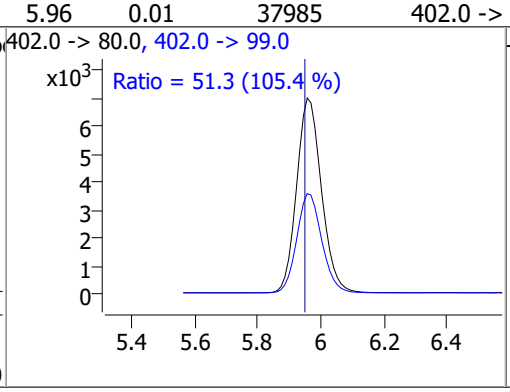


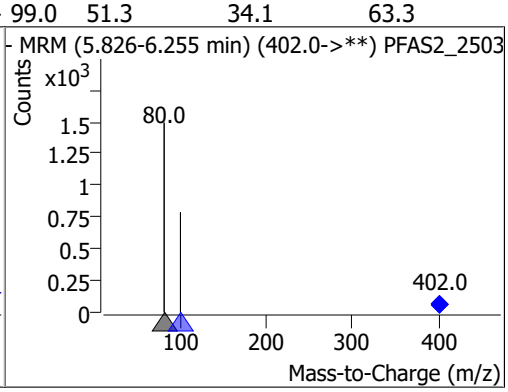




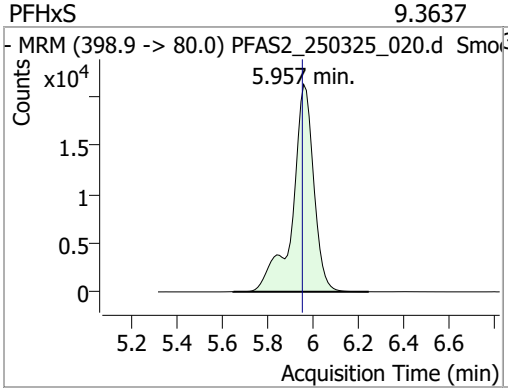
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4525	5.96	0.01	37985	402.0 -> 99.0	51.3	34.1	63.3

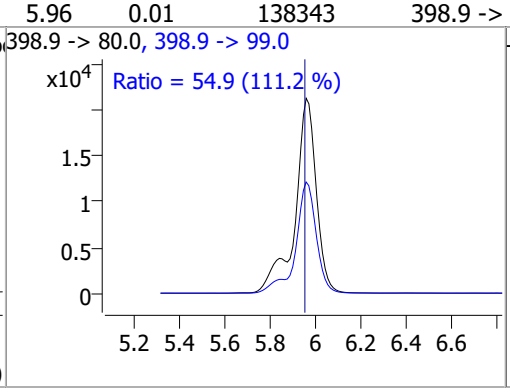


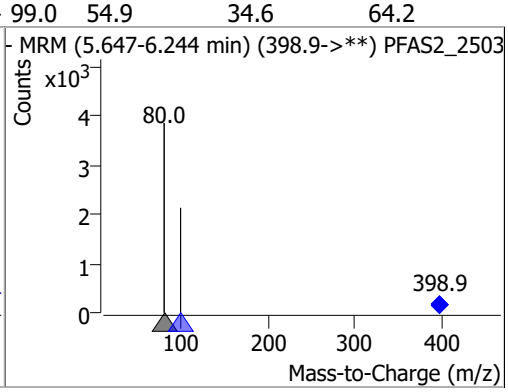




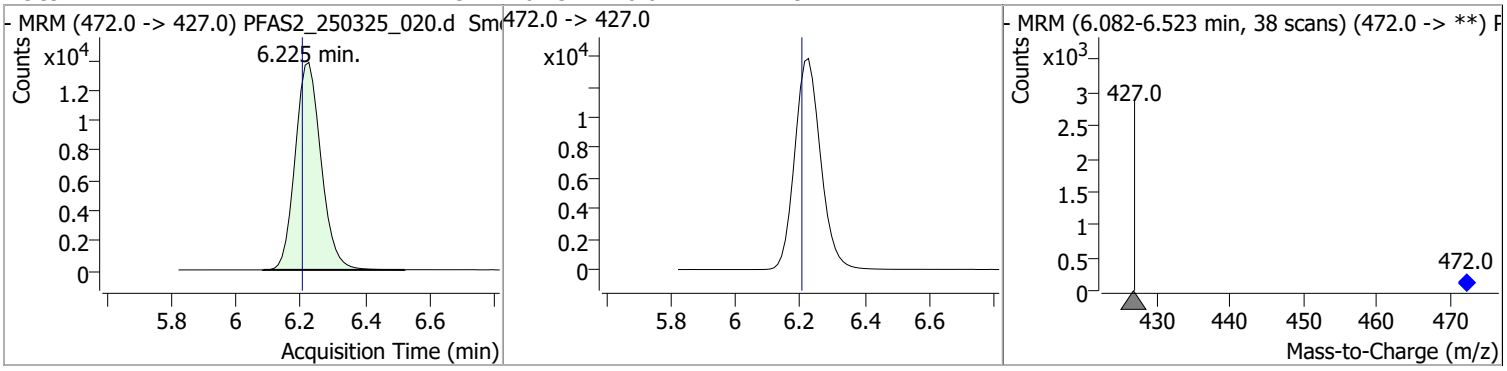
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3637	5.96	0.01	138343	398.9 -> 99.0	54.9	34.6	64.2



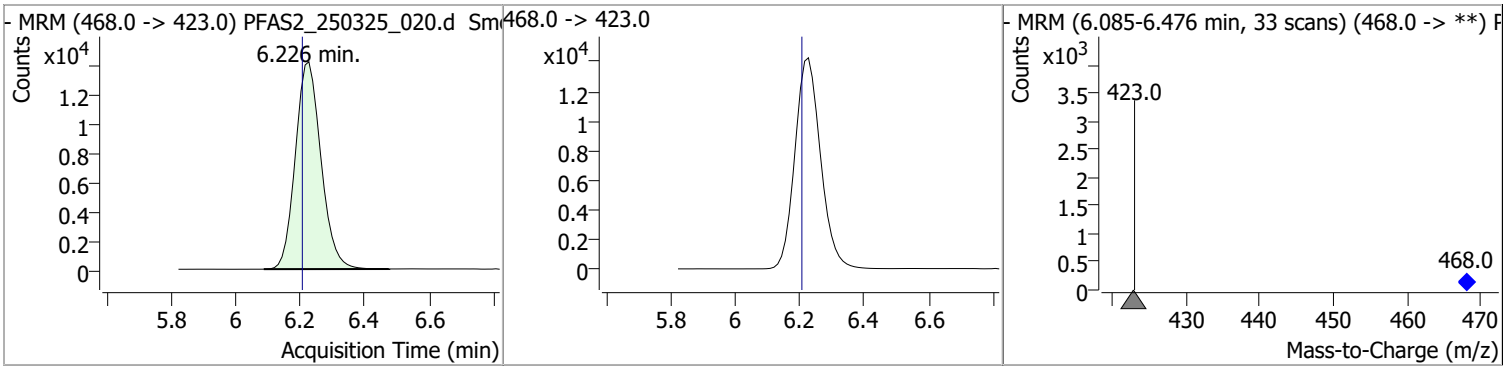




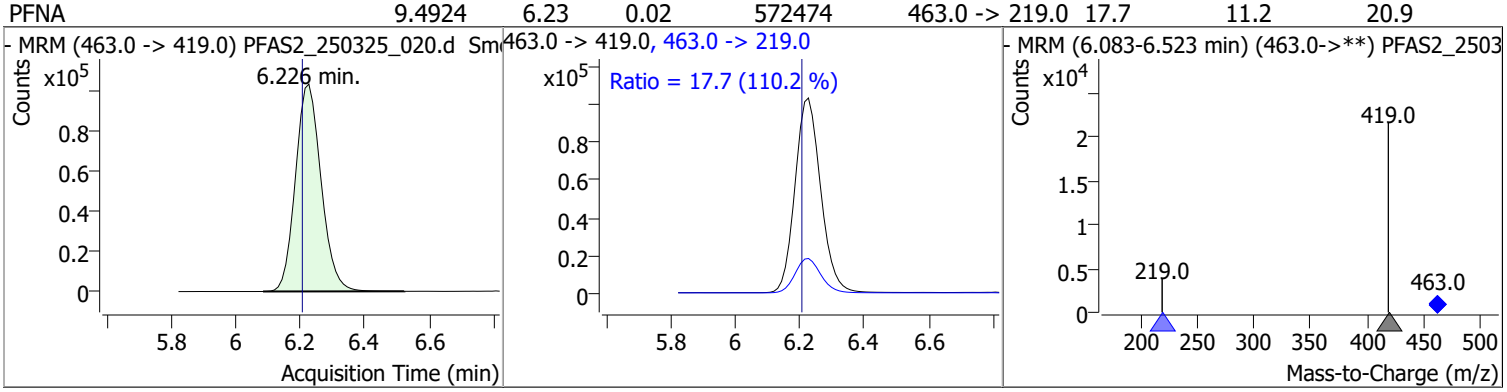
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2413	6.23	0.02	77297				



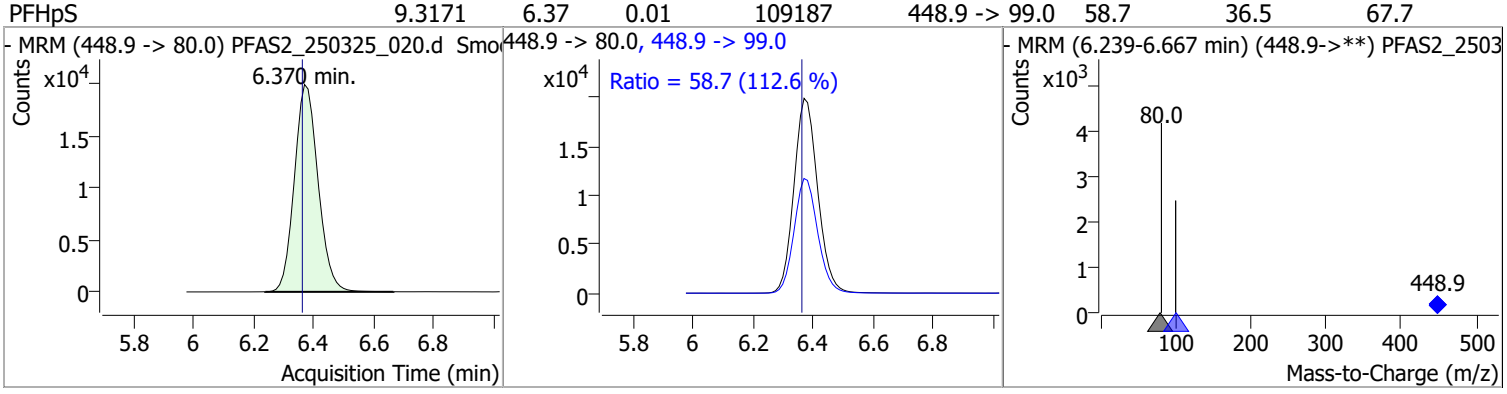
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.23	0.02	78587				



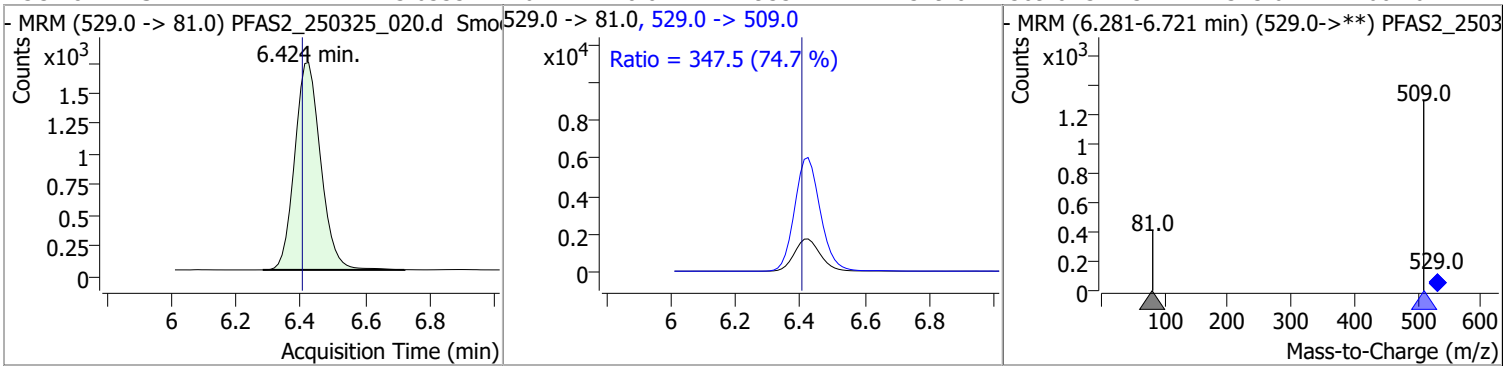
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.4924	6.23	0.02	572474	463.0 -> 219.0	17.7	11.2	20.9



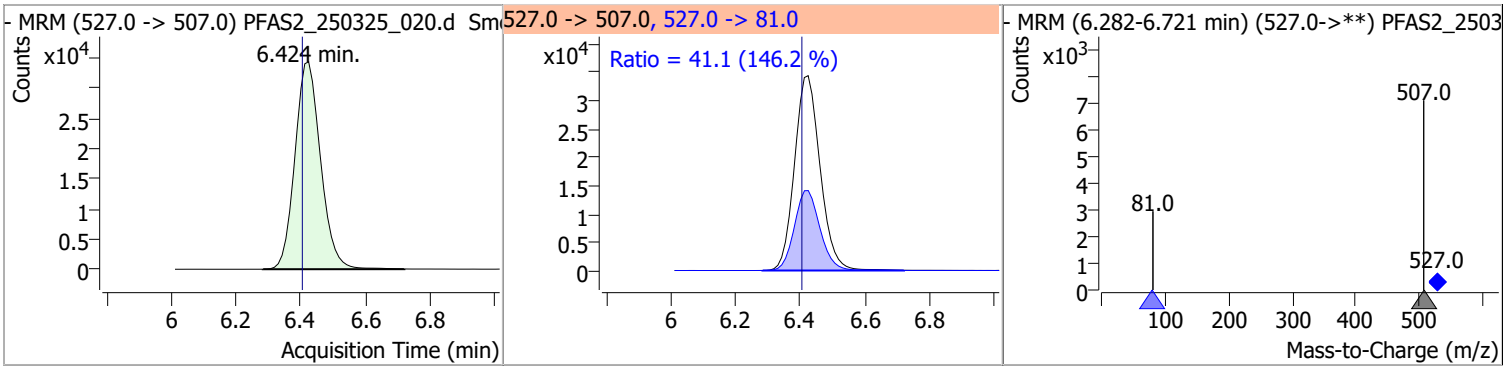
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.3171	6.37	0.01	109187	448.9 -> 99.0	58.7	36.5	67.7



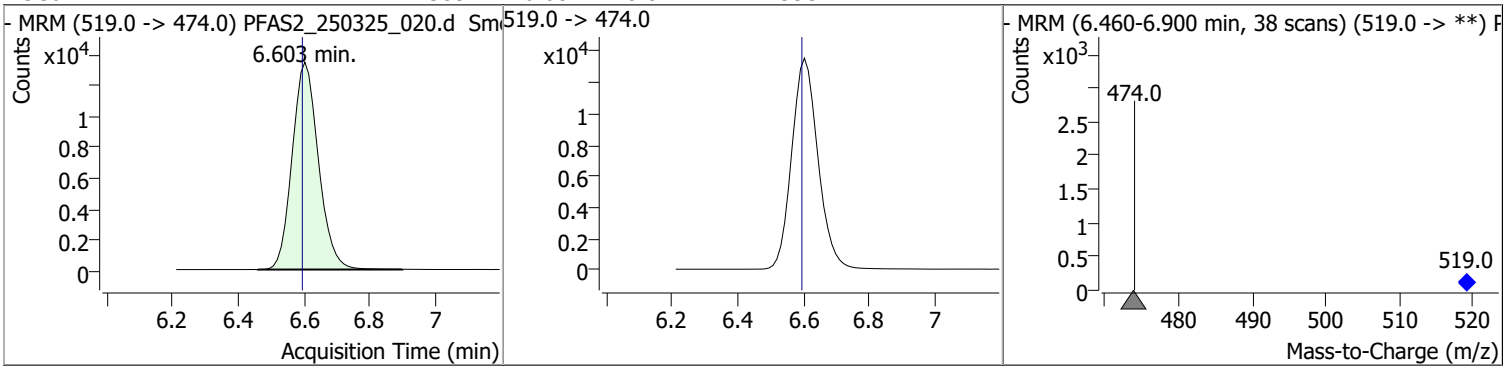
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	3.6335	6.42	0.02	9552	529.0 -> 509.0	347.5	325.6	604.6



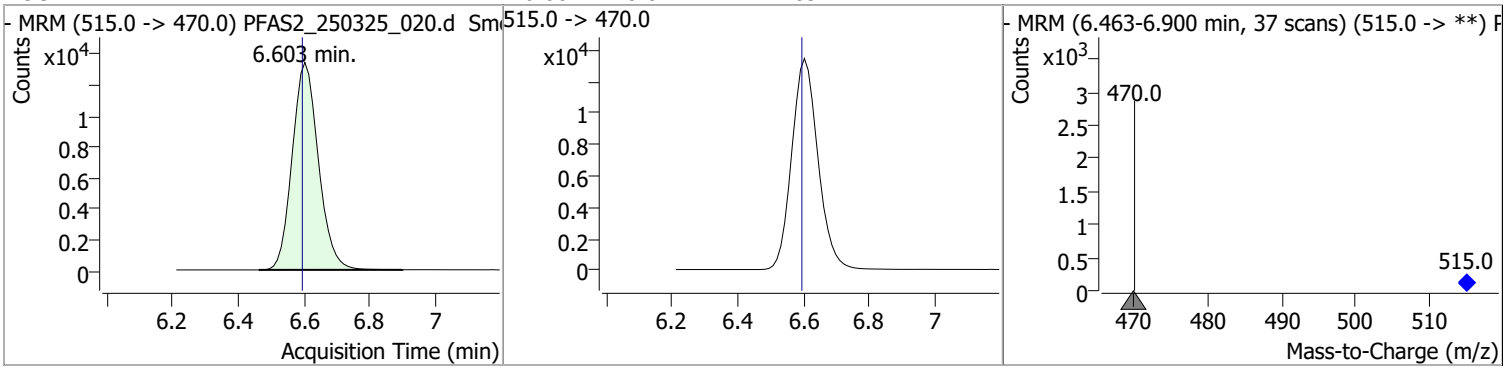
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	45.3156	6.42	0.02	189721	527.0 -> 81.0	41.1	19.7	36.6



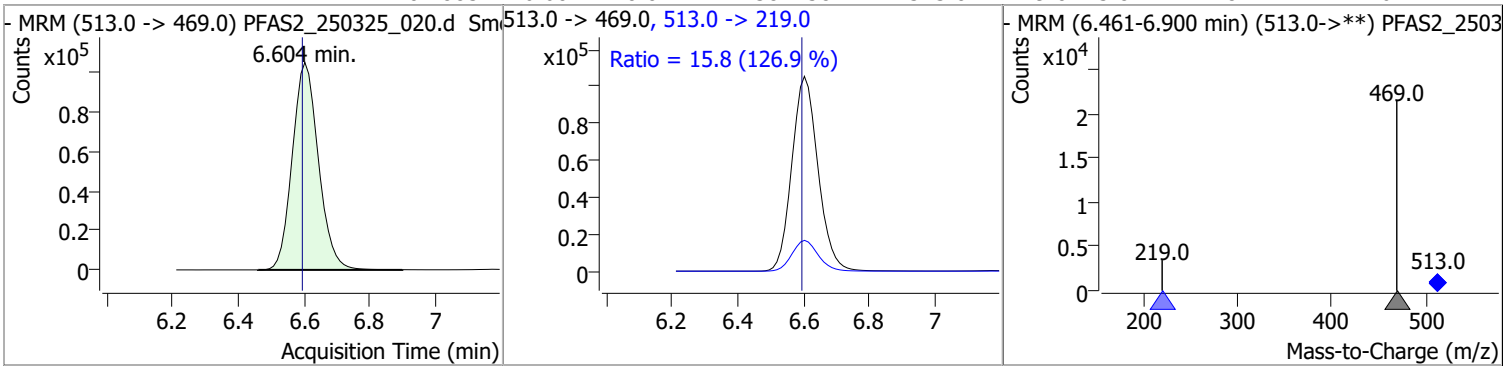
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2385	6.60	0.01	74993				



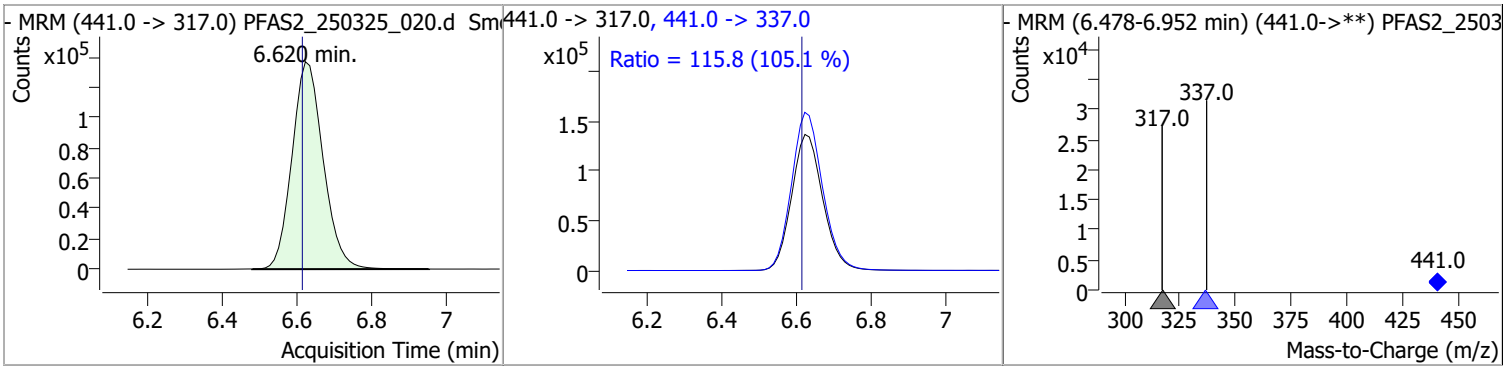
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.60	0.01	74409				



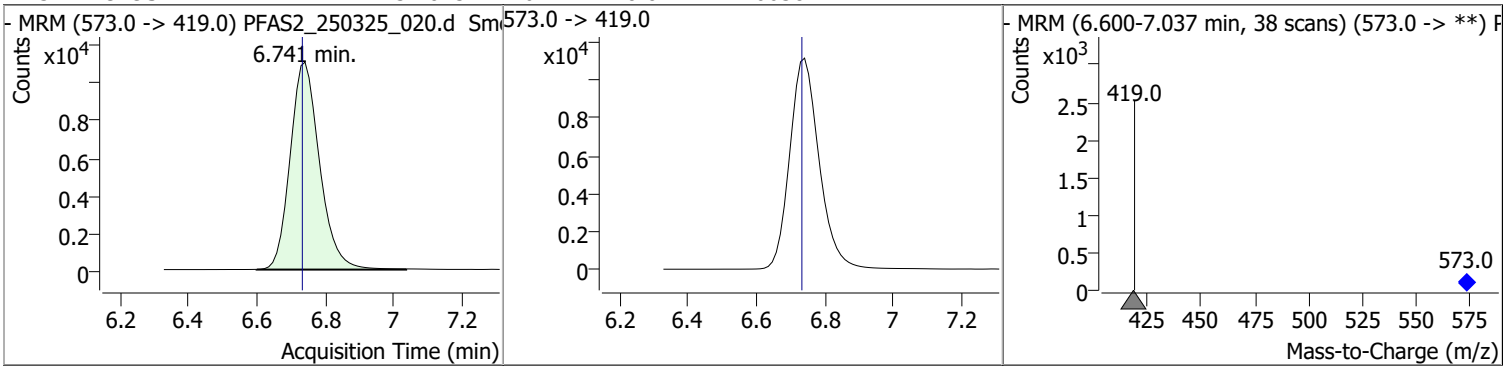
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	10.4885	6.60	0.01	582158	513.0 -> 219.0	15.8	8.7	16.2



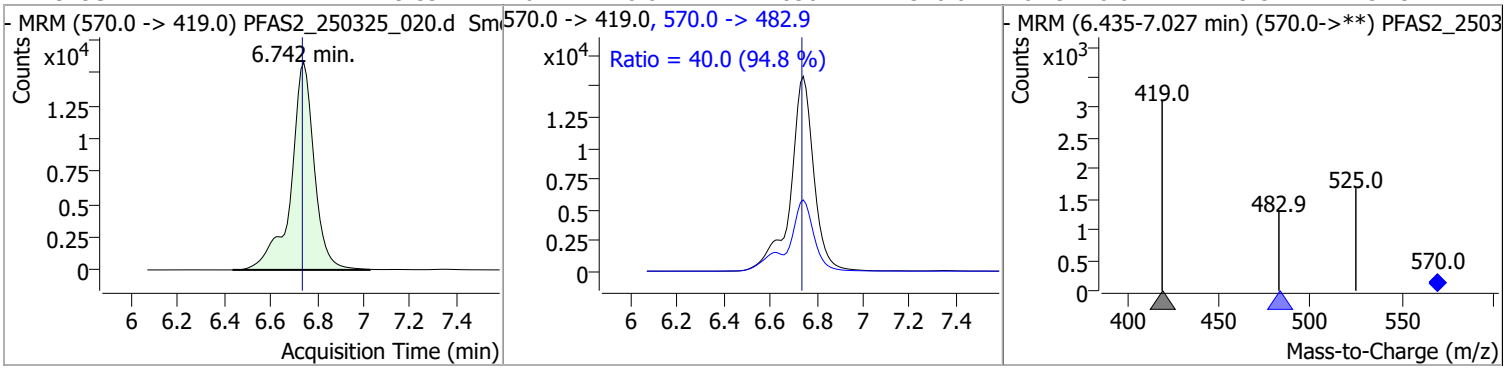
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	207.1436	6.62	0.01	792745	441.0 -> 337.0	115.8	77.1	143.3



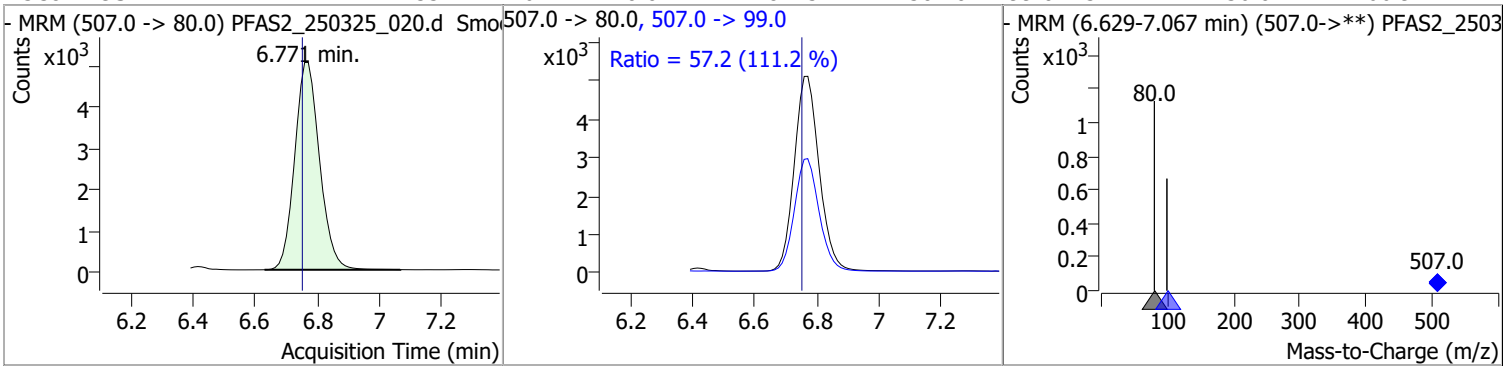
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.4075	6.74	0.01	66387				



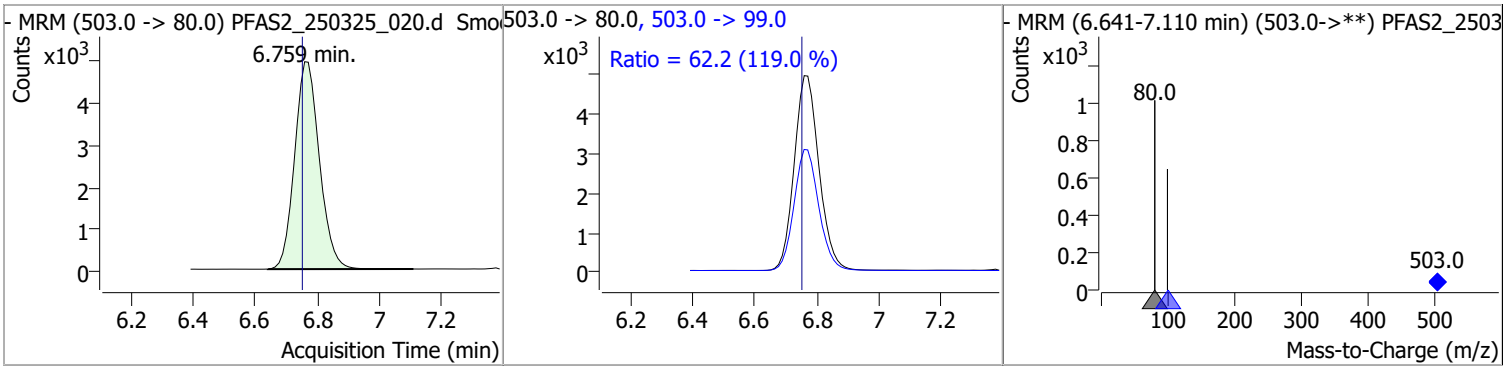
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.3974	6.74	0.01	110304	570.0 -> 482.9	40.0	29.5	54.9



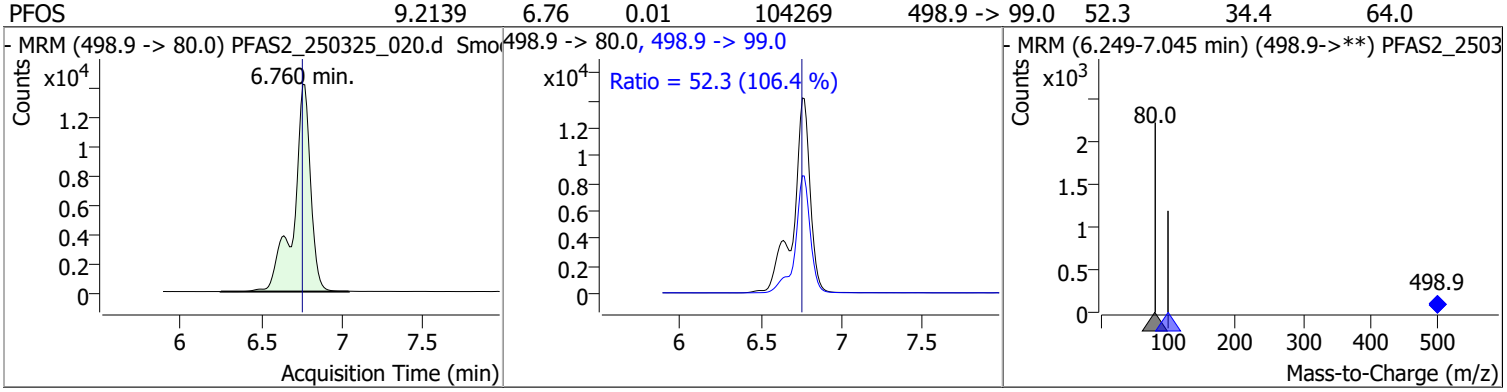
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5372	6.77	0.02	28175	507.0 -> 99.0	57.2	36.0	66.9



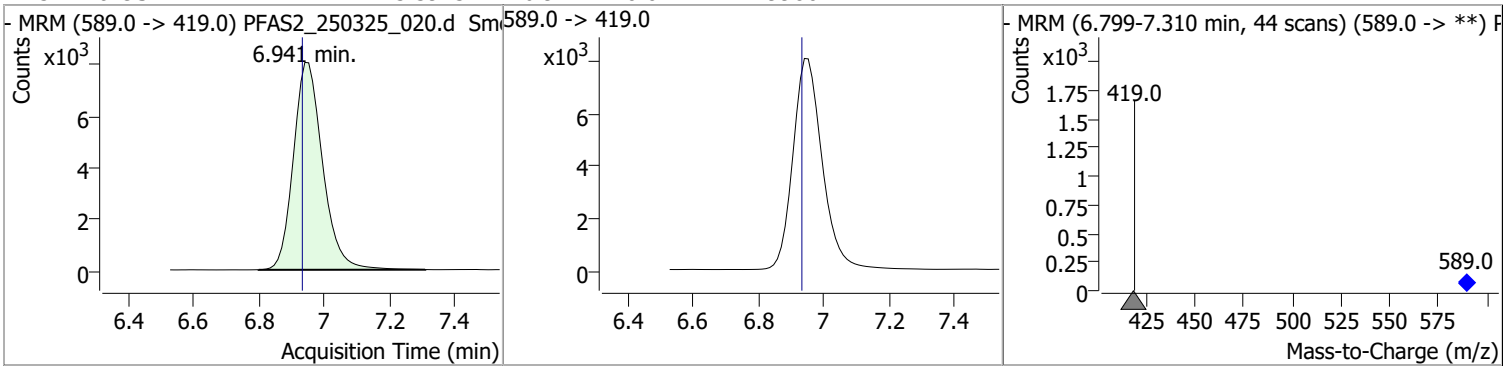
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	27361	503.0 -> 99.0	62.2	36.6	67.9



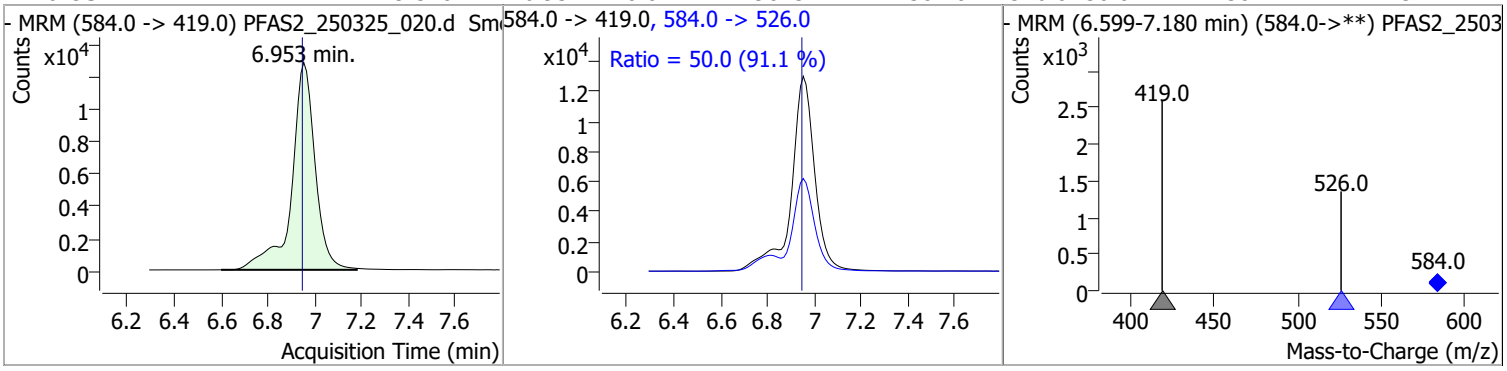
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	9.2139	6.76	0.01	104269	498.9 -> 99.0	52.3	34.4	64.0



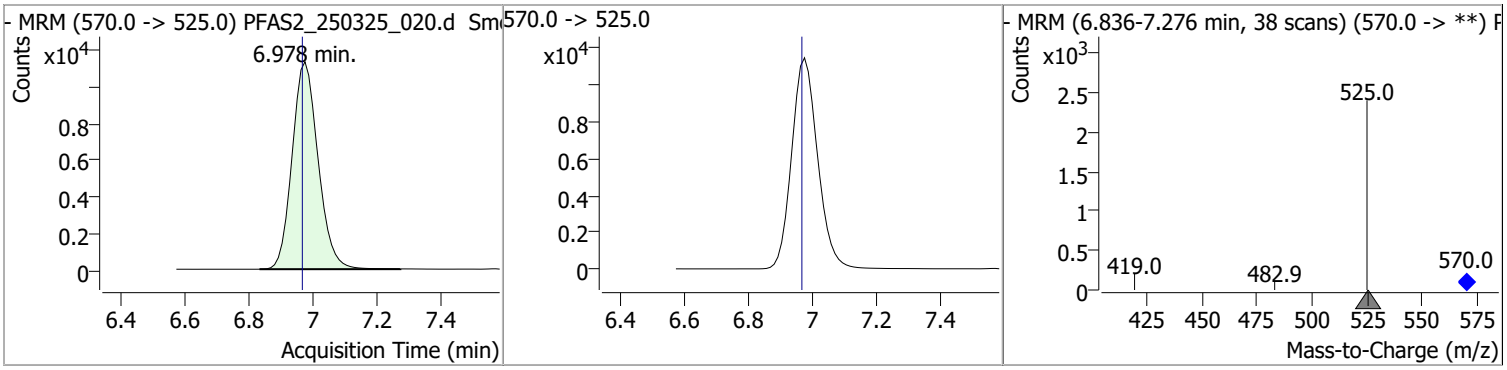
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.3923	6.94	0.01	49980				



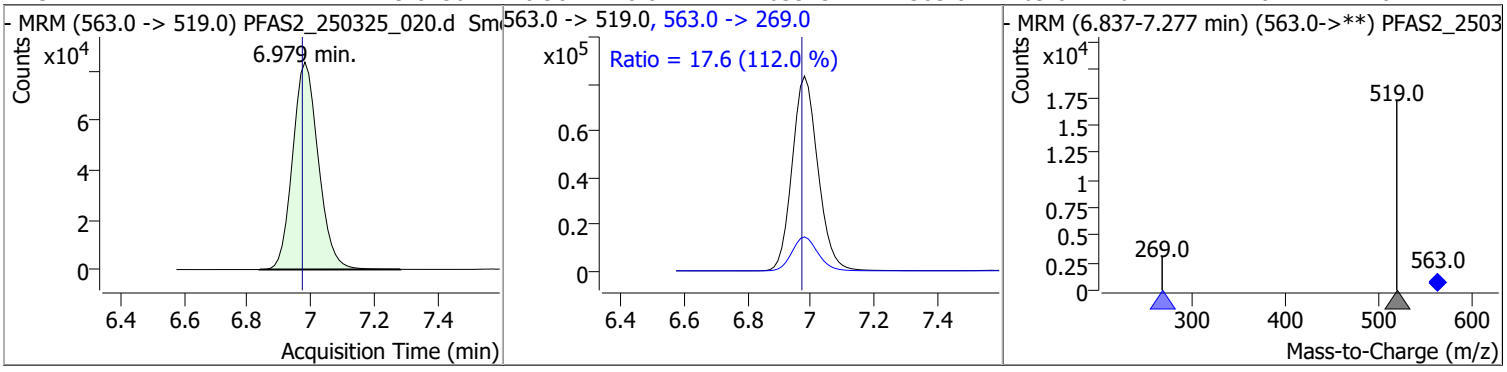
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.5404	6.95	0.01	90132	584.0 -> 526.0	50.0	38.4	71.3



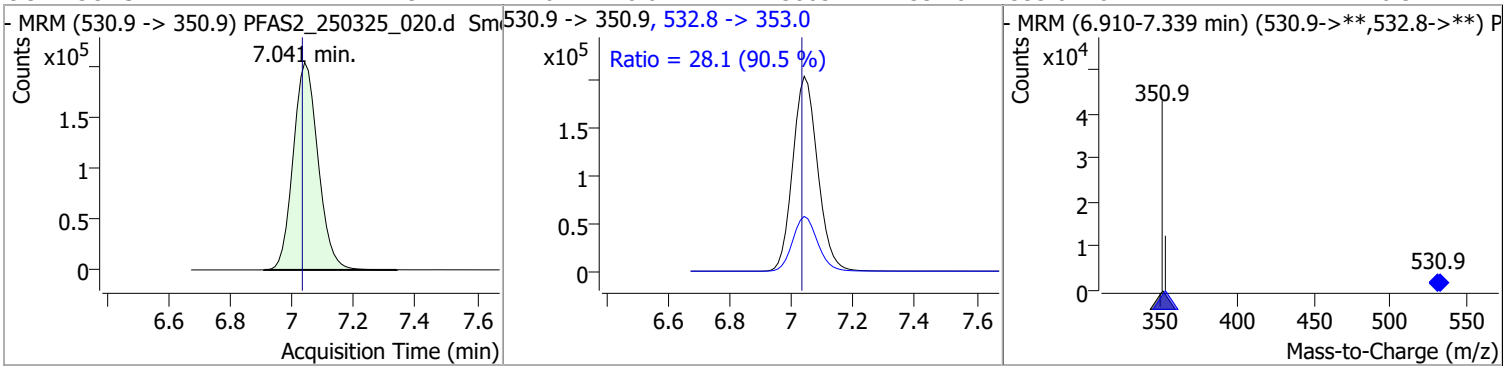
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3351	6.98	0.01	63708				



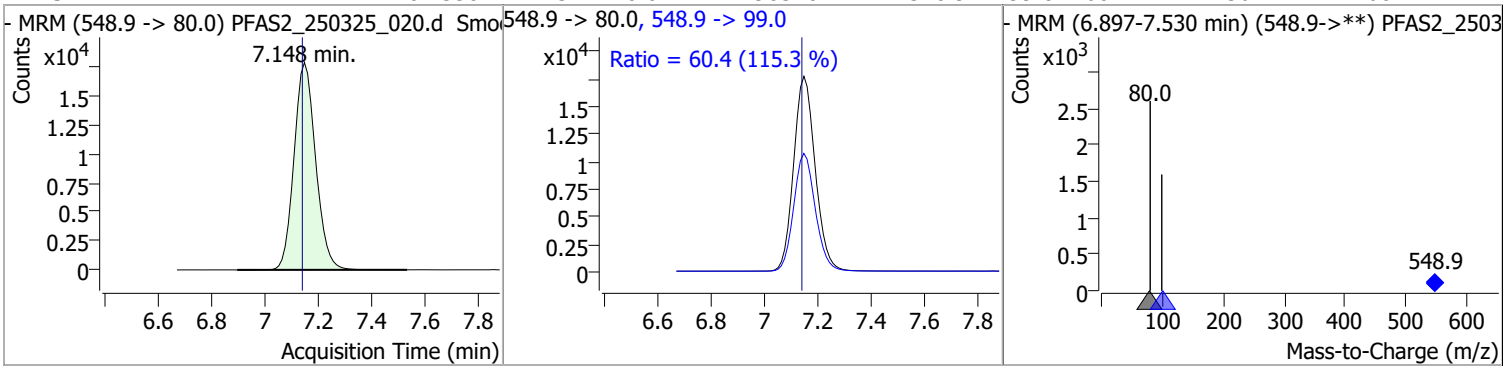
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.8236	6.98	0.01	465543	563.0 -> 269.0	17.6	11.0	20.4



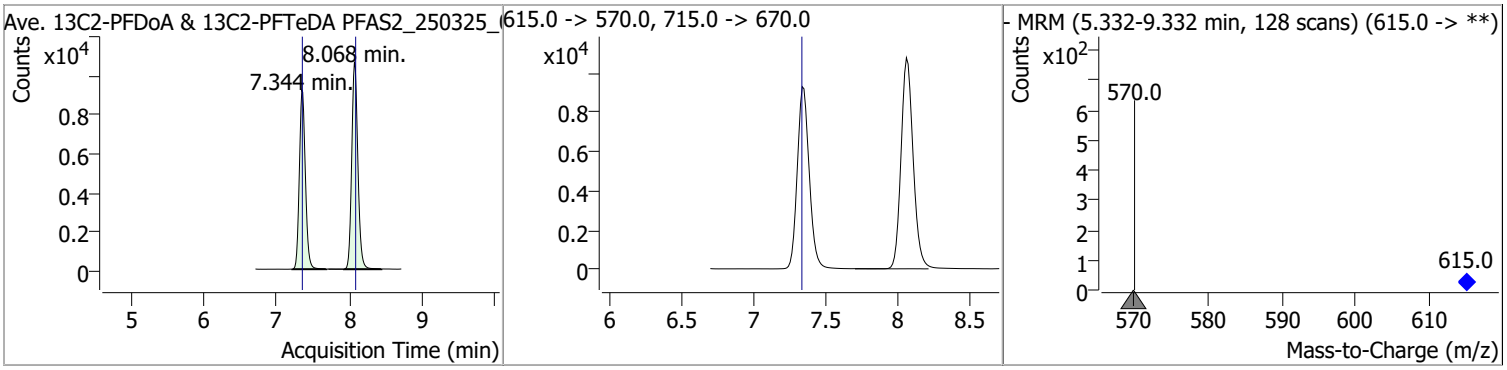
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	19.4177	7.04	0.01	1138051	532.8 -> 353.0	28.1	21.7	40.3



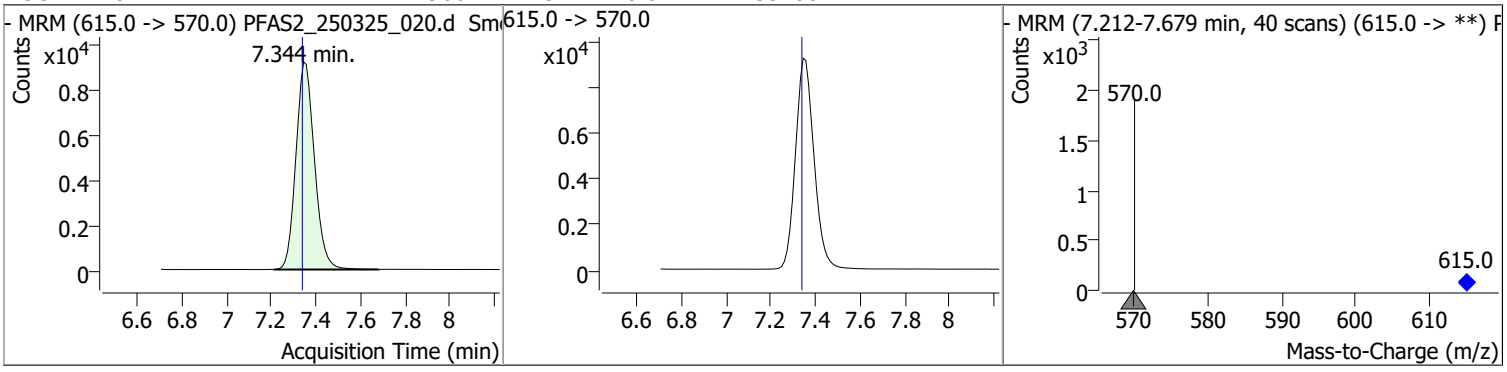
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	10.2350	7.15	0.01	98370	548.9 -> 99.0	60.4	36.7	68.1



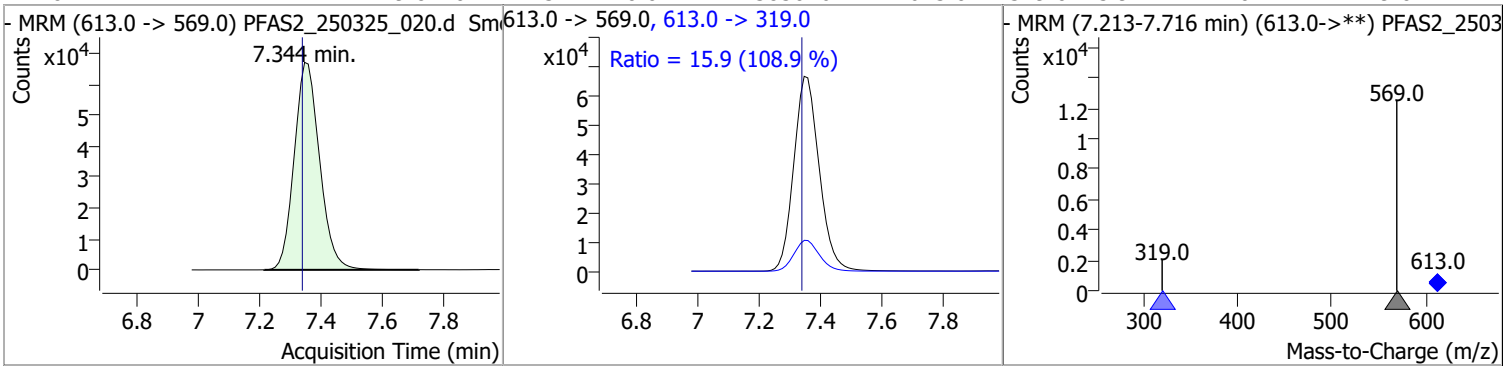
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.4761	7.71	0.37	58057				



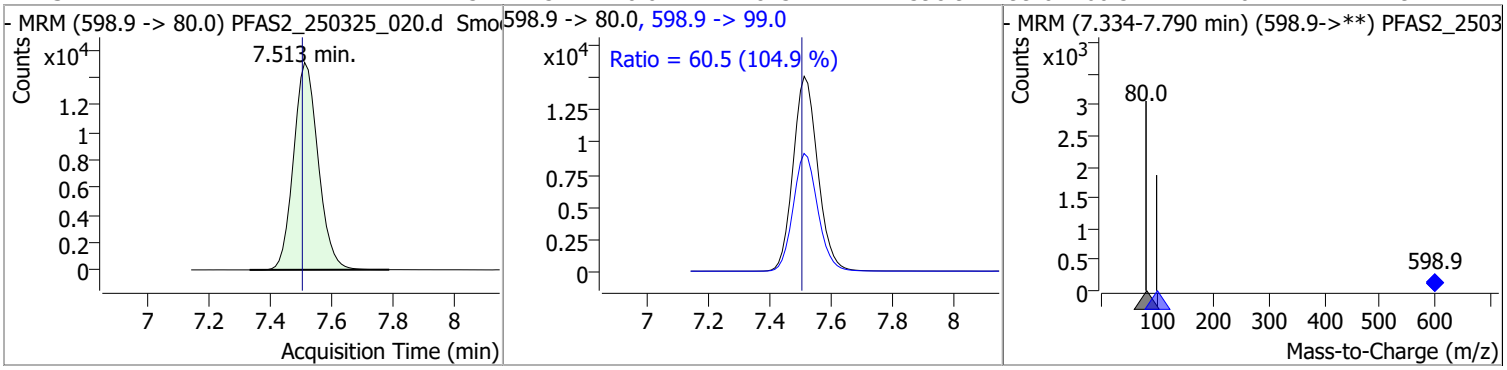
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.4966	7.34	0.01	53208				



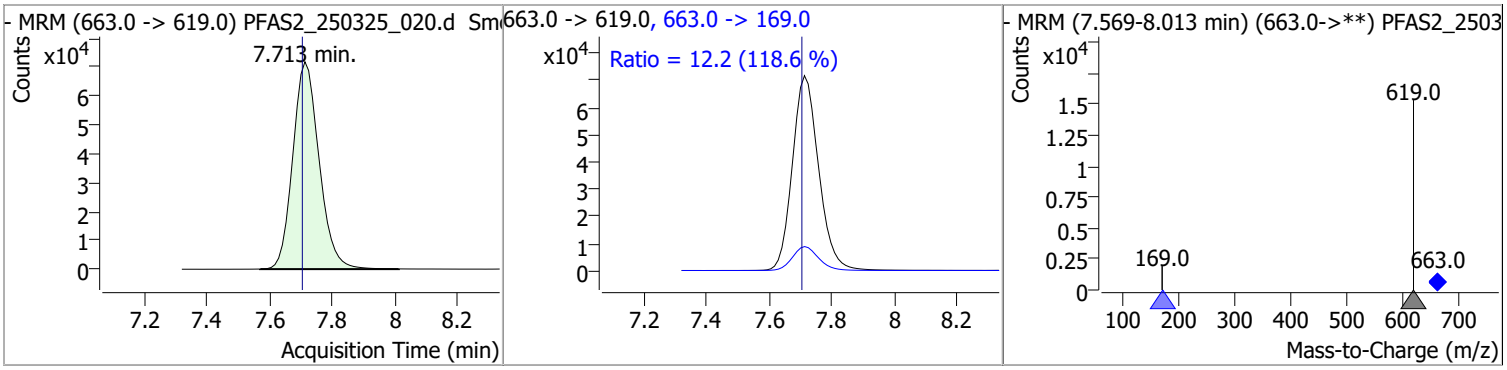
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.8710	7.34	0.01	385026	613.0 -> 319.0	15.9	10.2	19.0



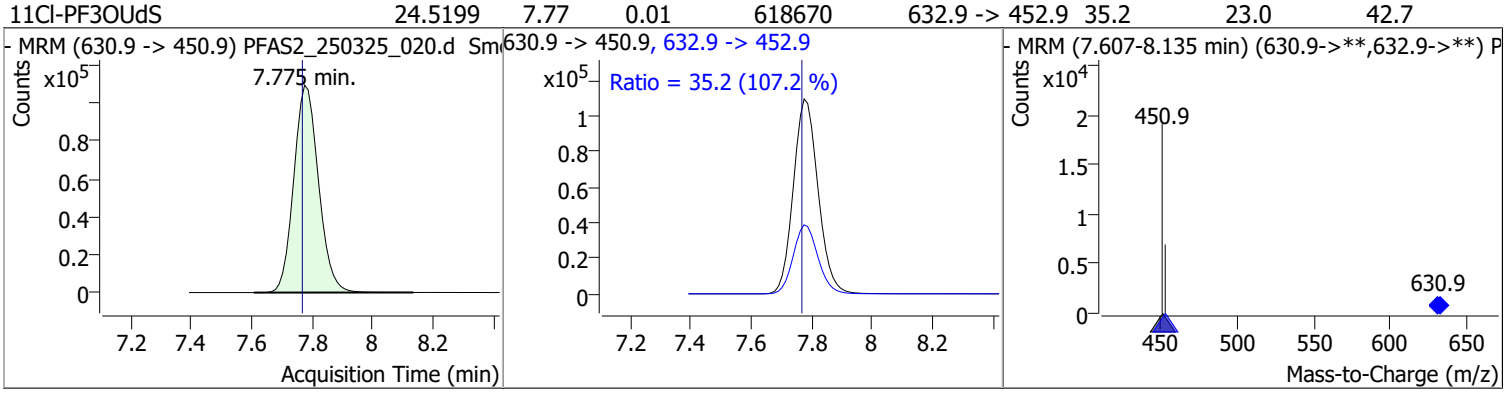
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	11.7413	7.51	0.01	84317	598.9 -> 99.0	60.5	40.4	74.9



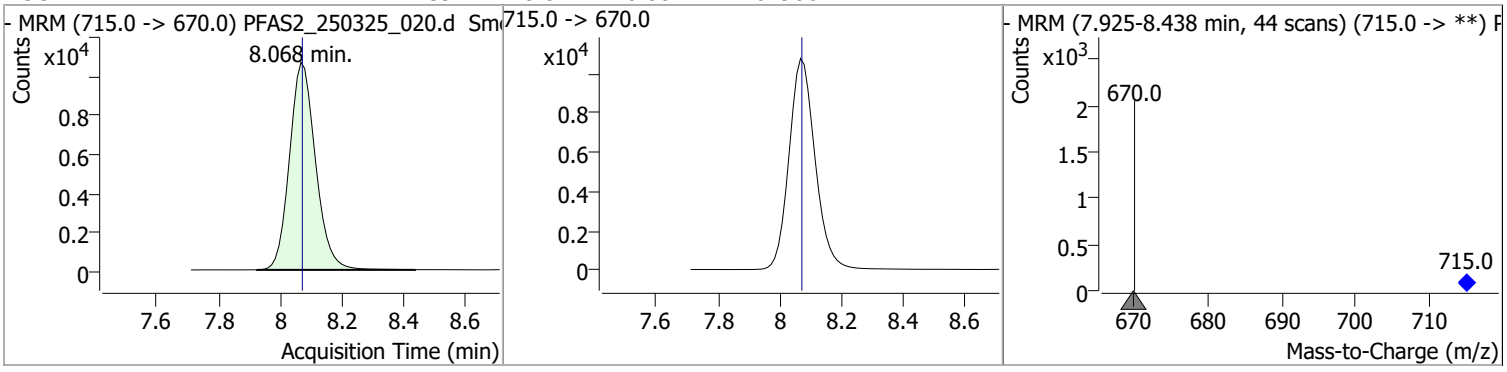
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.5550	7.71	0.01	417975	663.0 -> 169.0	12.2	7.2	13.4



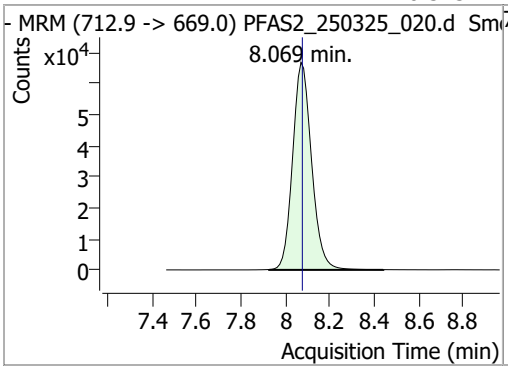
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	24.5199	7.77	0.01	618670	632.9 -> 452.9	35.2	23.0	42.7

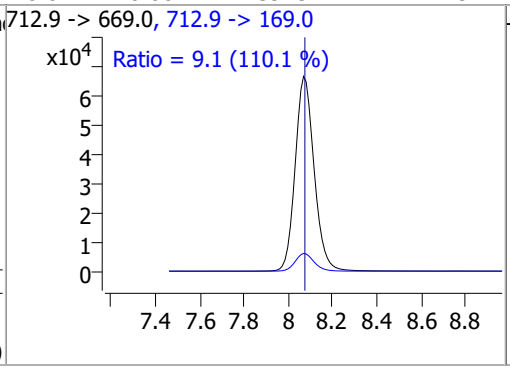


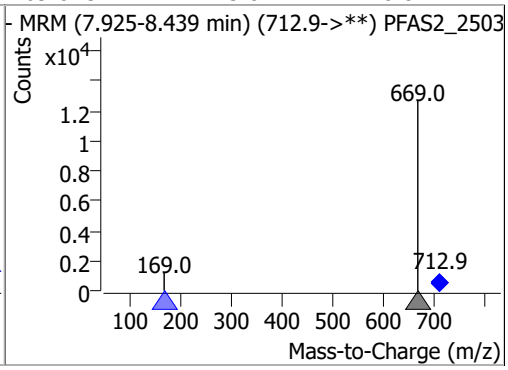
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.4592	8.07	0.00	62906				



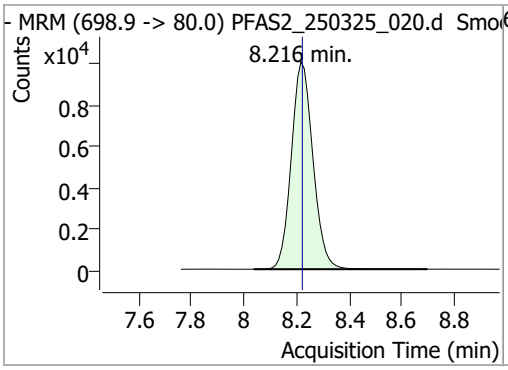
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	10.3232	8.07	0.00	397342	712.9 -> 169.0	9.1	5.8	10.8

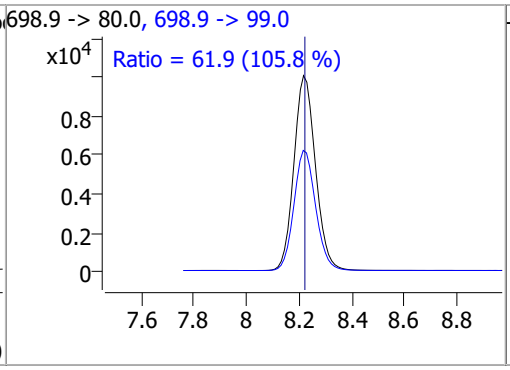


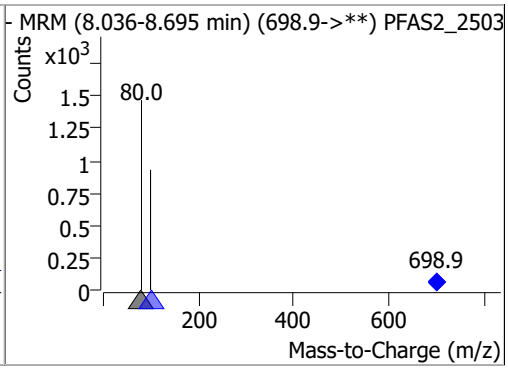




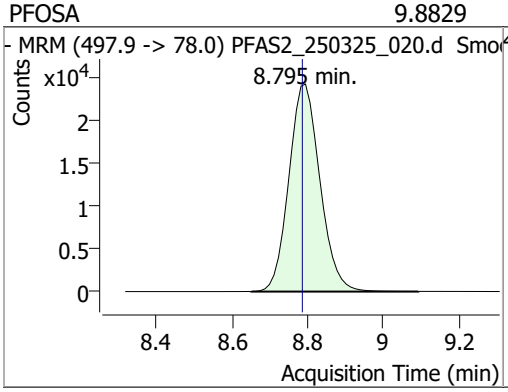
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	11.3345	8.22	0.00	56917	698.9 -> 99.0	61.9	41.0	76.1

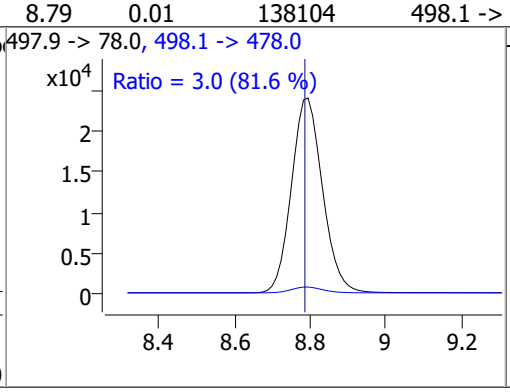


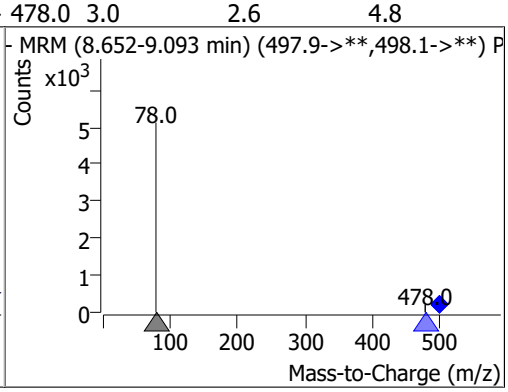




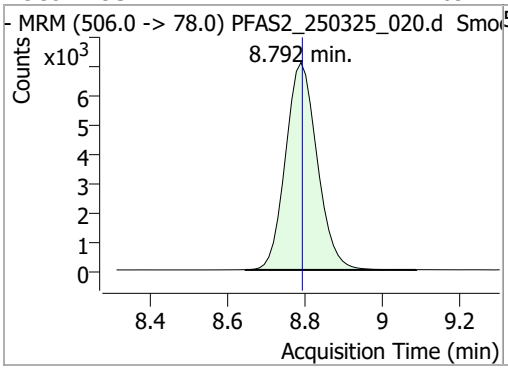
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.8829	8.79	0.01	138104	498.1 -> 478.0	3.0	2.6	4.8

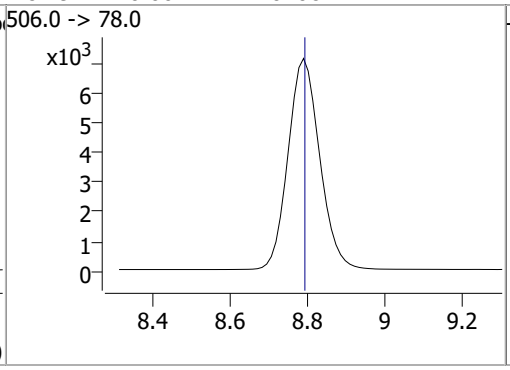


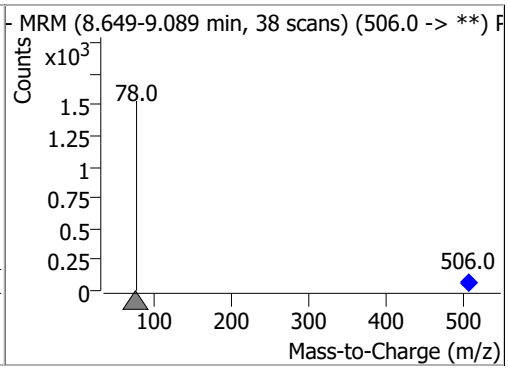




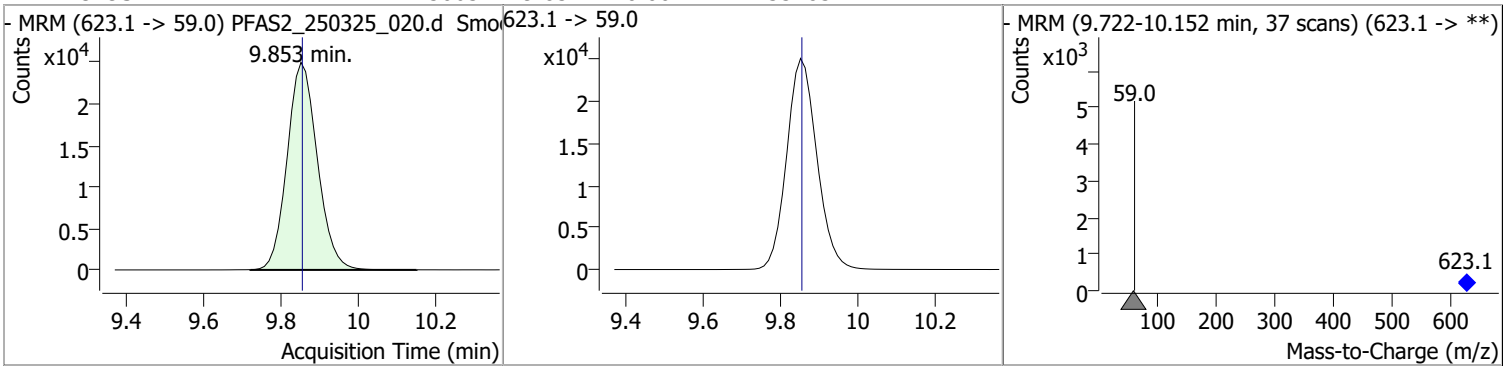
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4709	8.79	0.00	40208				



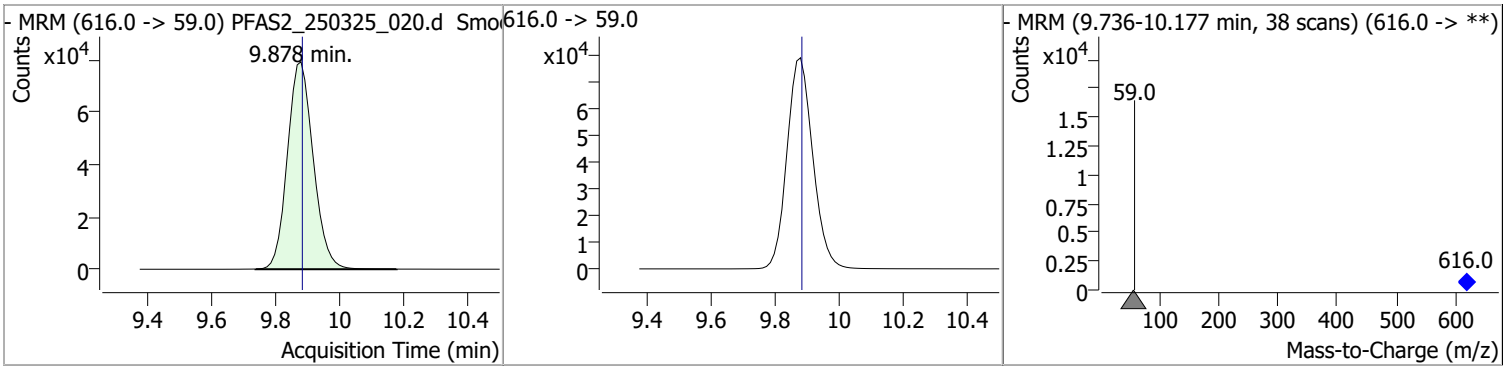




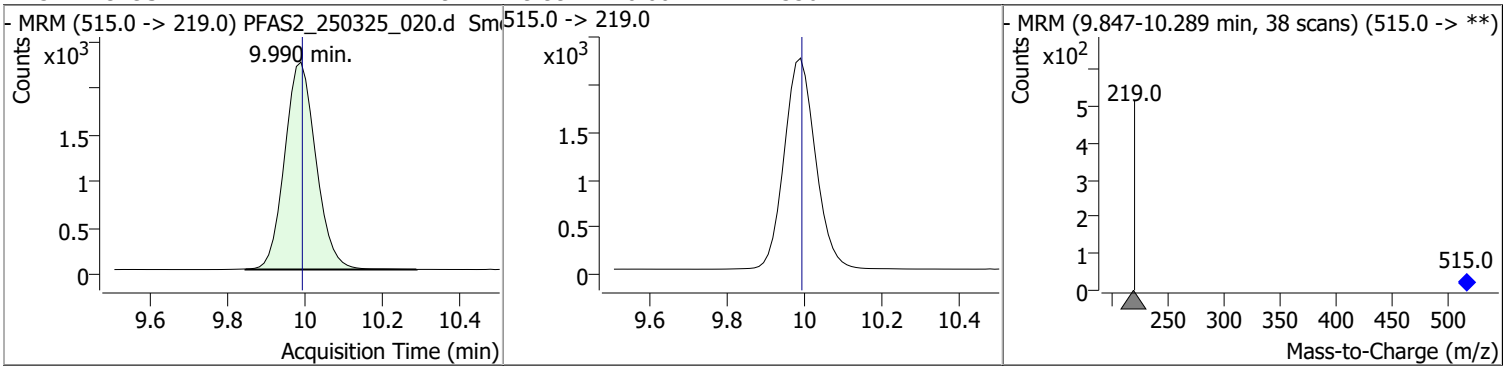
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.5063	9.85	0.00	135183				



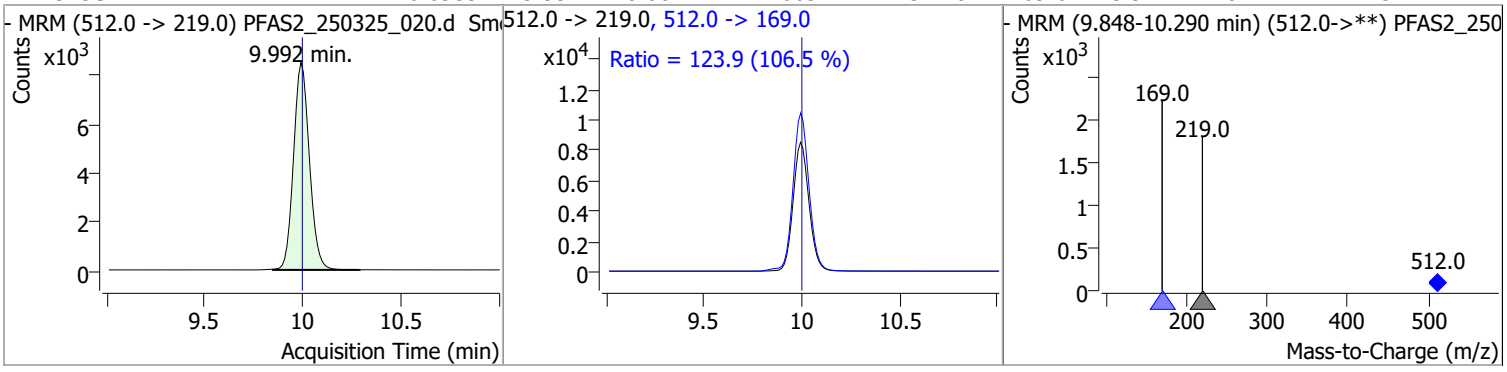
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	109.9120	9.88	0.00	444180				



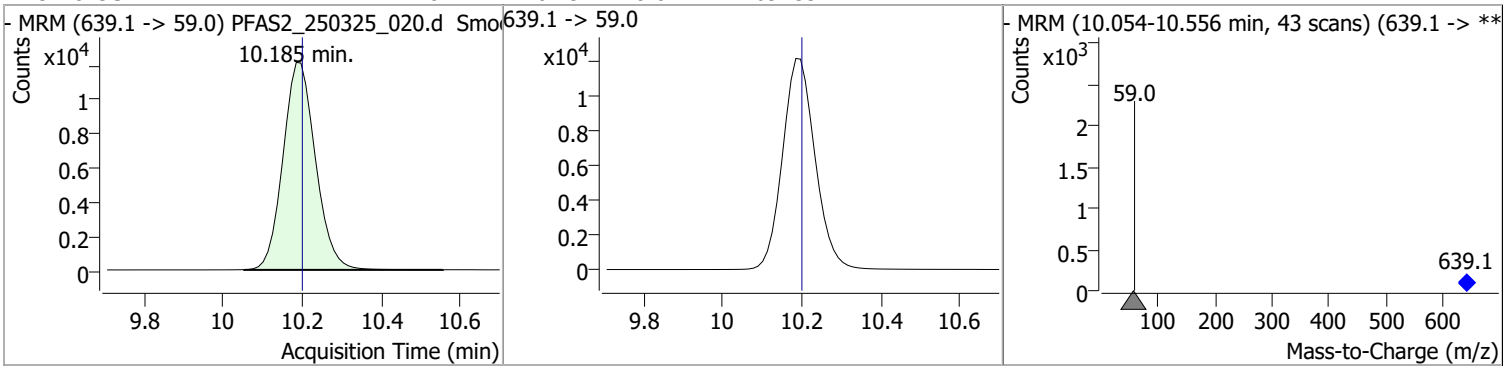
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7494	9.99	0.00	12556				



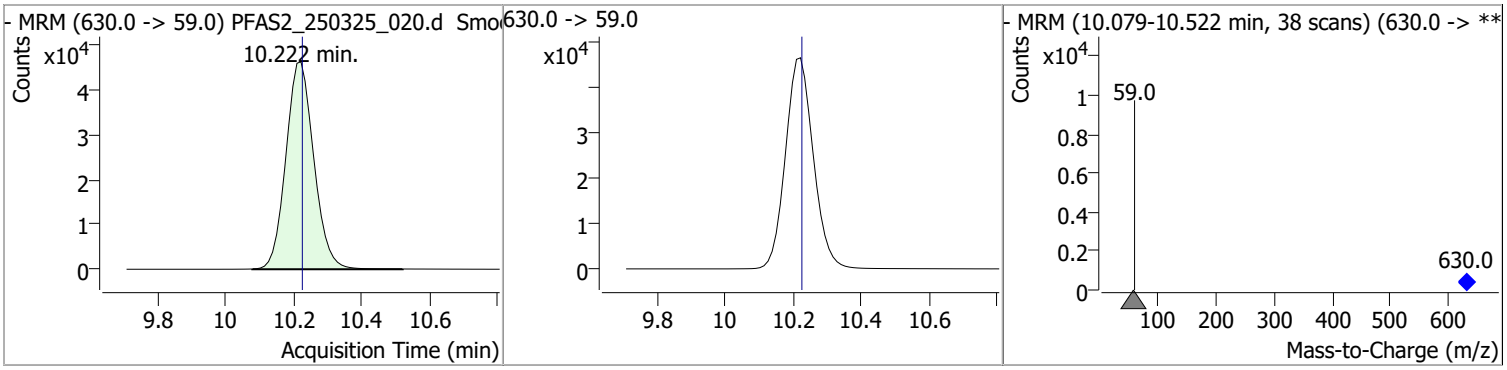
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	10.0939	9.99	0.00	47669	512.0 -> 169.0	123.9	81.4	151.2



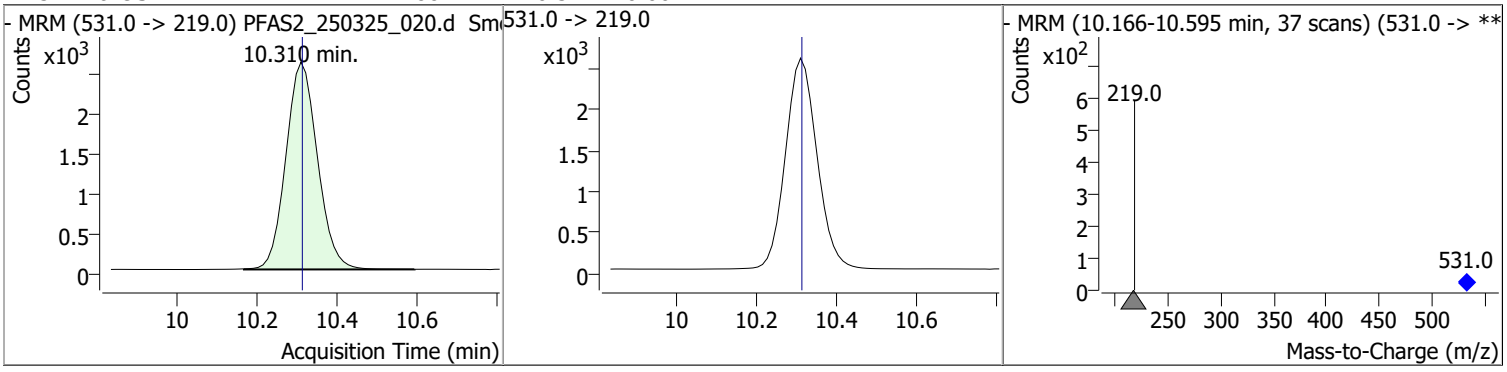
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.8114	10.19	-0.01	69259				



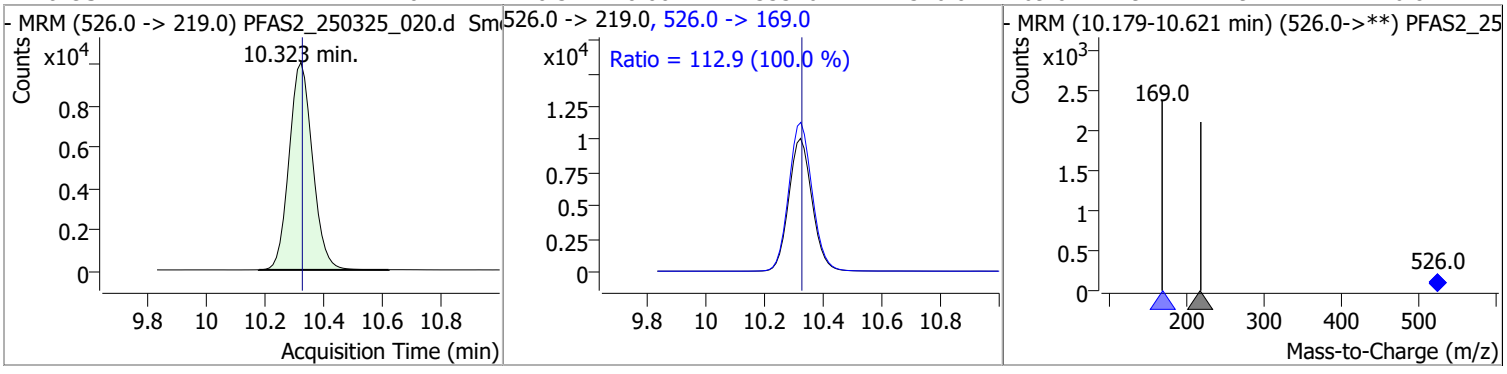
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	107.3907	10.22	0.00	263684				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.8841	10.31	0.00	14242				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.1117	10.32	0.00	55546	526.0 -> 169.0	112.9	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_031.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV4 ( )	Injection Time:	22:37

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	39.0		22226.15			30
PFPeA	20.0	19.2		32042.205			30
PFHxA	10.0	10.1		51357.53			30
PFHpA	10.0	9.66		53963.88			30
PFOA	10.0	9.72		67943.93			30
PFNA	10.0	9.63		50545.72			30
PFDA	10.0	10.3		56238.36			30
PFUnA	10.0	10.3		44468.11			30
PFDoA	10.0	10.4		34614.9			30
PFTrDA	10.0	10.1		38652.5			30
PFTeDA	10.0	11.1		38318.35			30
PFBS	8.85	8.92		2169.731318613			30
PFPeS	9.40	9.47		9199.563829787			30
PFHxS	9.15	9.35		4030.173330035			30
PFHpS	9.55	7.57		750.9831152861			30
PFOS	9.30	8.74		0028.819354838			30
PFNS	9.60	9.79		9243.4375			30
PFDS	9.65	10.5		369.4292881420			30
PFDoS	9.70	10.6		155.7726643533			30
4:2FTS	37.5	32.9		10829.328			30
6:2FTS	38.0	37.6		772.6131578947			30
8:2FTS	38.4	30.9		528.2942708333			30
PFOSA	10.0	9.91		13120.32			30
NMeFOSA	10.0	10.1		4546.659			30
NEtFOSA	10.0	10.2		5372.907			30
NMeFOSAA	10.0	10.1		9874.743			30
NEtFOSAA	10.0	10.2		8142.785			30
NMeFOSE	100	108		4454.646			30
NEtFOSE	100	110		2633.07			30
HFPO-DA	20.0	20.9		14535.935			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_031.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV4 ( )	Injection Time:	22:37

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	18.6		1006.666666666			30
9CL-PF3ONS	18.7	21.1		4452.780748663			30
11CL-PF3OUdS	18.9	24.6		7049.894179894			30
3:3FTCA	40.0	39.2		602.16925			30
5:3FTCA	200	185		3721.0535			30
7:3FTCA	200	225		3473.7165			30
PFEESA	17.8	17.4		38793.202247191			30
PFMPA	20.0	19.2		16622.025			30
PFMBA	20.0	20.0		25303.43			30
NFDHA	20.0	20.6		1074.591			30
13C4-PFBA	10.0	9.88		.1225883126952			30
13C5-PFPeA	5.00	5.16		69583924872127			30
13C5-PFHxA	2.50	2.49		.0983149061596			30
13C4-PFHpA	2.50	2.27		.1175896731616			30
13C8-PFOA	2.50	2.60		1.617198871309			30
13C9-PFNA	1.25	1.25		9889170407078			30
13C6-PFDA	1.25	1.26		.0279667333252			30
13C7-PFUnA	1.25	1.26		8055478824689			30
13C2-PFDoA	1.25	1.31		.6282155636504			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.34		70667659505407			30
13C2-PFTeDA	1.25	1.36		78513748750846			30
13C3-PFBS	2.50	2.20		.8010881761736			30
13C3-PFHxS	2.50	2.54		.1994709952742			30
13C8-PFOS	2.50	2.55		.0331572844146			30
13C2-4:2FTS	5.00	4.06		.3450050464713			30
13C2-6:2FTS	5.00	4.39		21869039057412			30
13C2-8:2FTS	5.00	4.19		16769614569167			30
13C8-PFOSA	2.50	2.49		.4816949710330			30
D3-NMeFOSA	2.50	2.80		46723307816159			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_031.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-CCV4 ( )	Injection Time:	22:37

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.96		53347062477851			30
D3-NMeFOSAA	5.00	4.79		.0744668643051			30
D5-NEtFOSAA	5.00	4.84		81900713700267			30
D7-NMeFOSE	25.0	26.7		5385968809116(			30
D9-NEtFOSE	25.0	25.8		.2634030903023			30
13C3-HFPO-DA	10.0	10.7		30340243587822			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_031.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 10:37:59 PM
Sample Name	SEQ-CCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

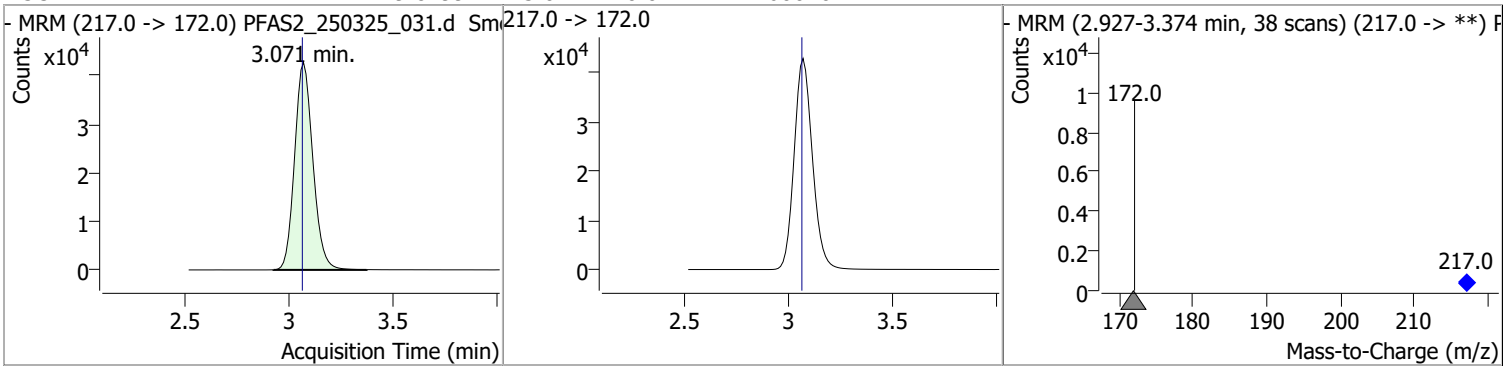
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.075	216.0 -> 172.0	115821	5.0000	µg/L		-15.361
13C2-PFHxA	4.902	315.0 -> 270.0	129465	2.5000	µg/L		-15.617
18O2-PFHxS	5.955	403.0 -> 84.0	29436	2.5000	µg/L		-0.653
13C4-PFOA	5.823	417.0 -> 172.0	15225	2.5000	µg/L		-1.445
13C5-PFNA	6.214	468.0 -> 423.0	68016	1.2500	µg/L		-4.434
13C2-PFDA	6.592	515.0 -> 470.0	71969	1.2500	µg/L		7.615
13C4-PFOS	6.759	503.0 -> 80.0	25707	2.5000	µg/L		3.202
System Monitoring Compounds							
13C4-PFBA	3.071	217.0 -> 172.0	260040	10.0000	µg/L		-16.340
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.80%			
13C5-PFPeA	4.234	268.0 -> 223.0	180173	5.0000	µg/L		-12.926
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.20%			
13C5-PFPeA	4.234	268.0 -> 223.0	180173	5.0000	µg/L		-12.926
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.20%			
13C2-4-2 FTSA	4.709	329.0 -> 81.0	20311	5.0000	µg/L		-19.606
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 81.25%			
13C5-PFHxA	4.901	318.0 -> 273.0	142193	2.5000	µg/L		-15.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.78%			
13C5-PFHxA	4.901	318.0 -> 273.0	142193	2.5000	µg/L		-15.785
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.78%			
13C3-PFBS	4.941	302.0 -> 80.0	53018	2.5000	µg/L		-12.690
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 87.98%			
13C3-HFPO-DA	5.086	287.0 -> 169.0	157120	10.0000	µg/L		-10.100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 106.53%			
13C4-PFHpA	5.397	367.0 -> 322.0	144688	2.5000	µg/L		-23.400
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 90.81%			
13C3-PFHxS	5.956	402.0 -> 80.0	35308	2.5000	µg/L		1.029
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.72%			
13C2-6-2 FTSA	5.642	429.0 -> 81.0	12875	5.0000	µg/L		-12.822
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.85%			
13C8-PFOA	5.823	421.0 -> 376.0	176869	2.5000	µg/L		2.390
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.91%			
13C3-PFHxS	5.956	402.0 -> 80.0	35308	2.5000	µg/L		1.029
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.72%			
13C9-PFNA	6.213	472.0 -> 427.0	67262	1.2500	µg/L		-4.544
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.84%			
13C8-PFOS	6.759	507.0 -> 80.0	26559	2.5000	µg/L		5.045
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.83%			
13C2-8-2 FTSA	6.412	529.0 -> 81.0	9873	5.0000	µg/L	#	-16.655
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.78%			
13C6-PFDA	6.591	519.0 -> 474.0	73981	1.2500	µg/L		8.860
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.06%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	55242	5.0000	µg/L		-1.033
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.79%			
13C8-PFOS	6.759	507.0 -> 80.0	26559	2.5000	µg/L		5.045

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.83%		
2H5-N-EtFOSAA	6.941	589.0 -> 419.0	42108	5.0000	µg/L	-0.145
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.71%		
13C7-PFUnDA	6.966	570.0 -> 525.0	57974	1.2500	µg/L	8.155
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.49%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.706	615.0 -> 570.0	50859	1.2500	µg/L	15.286
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 106.95%		
13C2-PFDoDA	7.344	615.0 -> 570.0	45212	1.2500	µg/L	13.185
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 105.19%		
13C2-PFTDA	8.068	715.0 -> 670.0	56505	1.2500	µg/L	17.025
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 108.41%		
13C8-PFOSA	8.792	506.0 -> 78.0	38090	2.5000	µg/L	3.054
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.65%		
13C8-PFOSA	8.792	506.0 -> 78.0	38090	2.5000	µg/L	3.054
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.65%		
2H7-MeFOSE	9.853	623.1 -> 59.0	138456	25.0000	µg/L	10.197
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 106.86%		
2H3-N-MeFOSA	9.990	515.0 -> 219.0	12011	2.5000	µg/L	15.834
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 111.97%		
2H9-EtFOSE	10.185	639.1 -> 59.0	67713	25.0000	µg/L	6.619
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 103.27%		
2H5-N-EtFOSA	10.310	531.0 -> 219.0	13714	2.5000	µg/L	22.008
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 118.24%		
Target Compounds						QValue
PFBA	3.067	213.0 -> 169.0	889046	39.0206	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.55%		
PFMPA	3.614	229.0 -> 85.0	332441	19.1535	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.77%		
3-3 FTCA	3.778	241.0 -> 177.0	24087	39.1732	µg/L	84
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 97.93%		
PFPeA	4.235	263.0 -> 219.0	640844	19.2171	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.09%		
PFMBA	4.465	279.0 -> 85.0	506069	20.0095	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.05%		
4-2 FTSA	4.710	327.0 -> 307.0	406100	32.8972	µg/L	90
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 87.73%		
NFDHA	4.834	295.0 -> 201.0	21492	20.5510	µg/L	96
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.76%		
PFHxA	4.892	313.0 -> 269.0	513575	10.0936	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.94%		
PFBS	4.942	298.9 -> 80.0	196202	8.9187	µg/L	95
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 100.55%		
HFPO-DA	5.087	285.0 -> 169.0	290719	20.8552	µg/L	83
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 104.28%		
PFEESA	5.212	314.9 -> 135.0	1224519	17.4217	µg/L	99
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 97.87%		
PFHpA	5.398	363.0 -> 319.0	539639	9.6553	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.55%		
5-3 FTCA	5.482	341.0 -> 237.0	744211	185.3775	µg/L	92
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 92.69%		
PFPeS	5.494	348.9 -> 80.0	180476	9.4666	µg/L	92
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 100.60%		
DONA	5.551	377.0 -> 251.0	1720026	18.5689	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 98.25%		

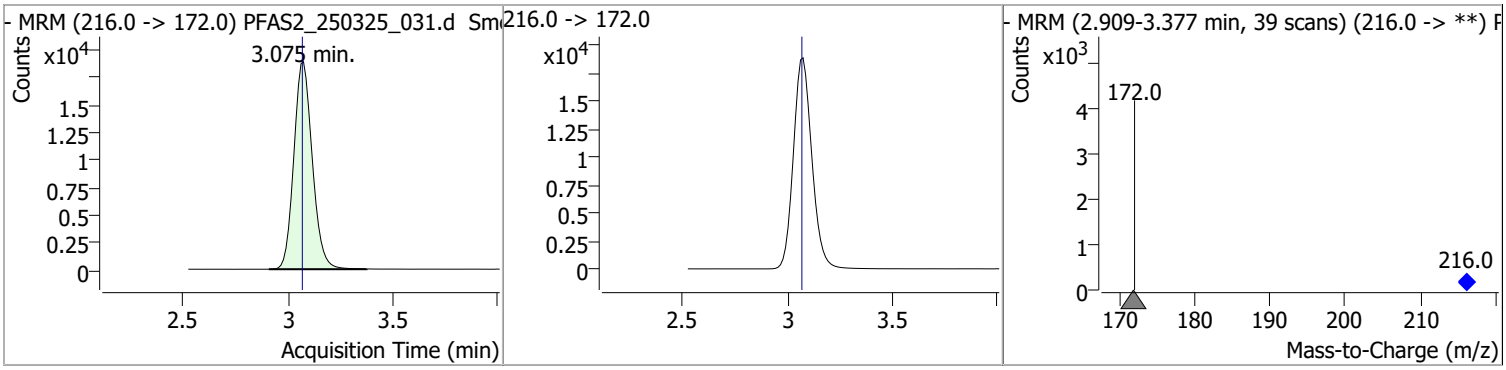
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.642	427.0 -> 407.0	333359	37.5589	µg/L		88
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 98.84%			
PFOA	5.824	413.0 -> 369.0	679439	9.7197	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.20%			
PFHxS	5.957	398.9 -> 80.0	128376	9.3477	µg/L		93
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 102.27%			
PFNA	6.214	463.0 -> 419.0	505457	9.6314	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.31%			
PFHpS	6.370	448.9 -> 80.0	83572	7.5651	µg/L		96
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 79.38%			
8-2 FTSA	6.412	527.0 -> 507.0	135487	30.9402	µg/L	#	55
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 80.57%			
PFDA	6.592	513.0 -> 469.0	562384	10.2732	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.73%			
7-3 FTCA	6.620	441.0 -> 317.0	694743	225.2164	µg/L		91
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 112.61%			
N-MeFOSAA	6.730	570.0 -> 419.0	98747	10.1098	µg/L		96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.10%			
PFOS	6.760	498.9 -> 80.0	93268	8.7447	µg/L		96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 94.23%			
N-EtFOSAA	6.953	584.0 -> 419.0	81428	10.2295	µg/L		89
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.30%			
PFUnDA	6.967	563.0 -> 519.0	444681	10.3107	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 103.11%			
9Cl-PF3ONS	7.041	530.9 -> 350.9	1018267	21.1104	µg/L		95
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 112.89%			
PFNS	7.135	548.9 -> 80.0	88737	9.7943	µg/L		91
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 101.81%			
PFDoDA	7.344	613.0 -> 569.0	346149	10.4437	µg/L		98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.44%			
PFDS	7.513	598.9 -> 80.0	71115	10.5052	µg/L		94
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 108.86%			
PFTrDA	7.713	663.0 -> 619.0	386525	10.0866	µg/L		95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.87%			
11Cl-PF3OUdS	7.775	630.9 -> 450.9	511243	24.5654	µg/L		94
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 129.98%			
PFTDA	8.069	712.9 -> 669.0	383183	11.0826	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 110.83%			
PFDoS	8.216	698.9 -> 80.0	50011	10.5650	µg/L		94
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 108.92%			
PFOSA	8.795	497.9 -> 78.0	131203	9.9112	µg/L		97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.11%			
MeFOSE	9.878	616.0 -> 59.0	445465	107.6057	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 107.61%			
N-MeFOSA	9.992	512.0 -> 219.0	45467	10.0644	µg/L		89
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.64%			
EtFOSE	10.222	630.0 -> 59.0	263307	109.7174	µg/L		100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 109.72%			
N-EtFOSA	10.323	526.0 -> 219.0	53729	10.1574	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.57%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

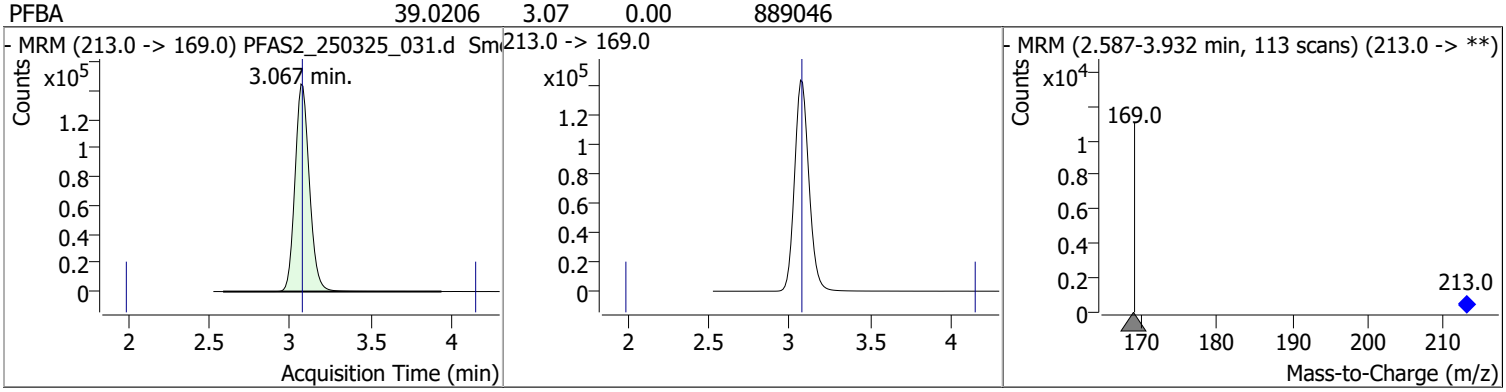
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8799	3.07	0.01	260040				



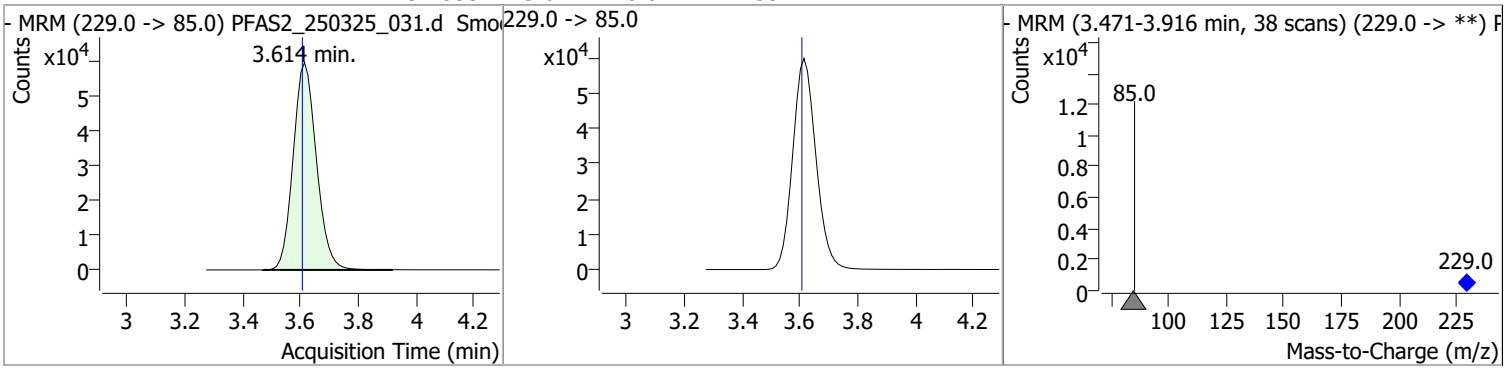
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.07	0.01	115821				



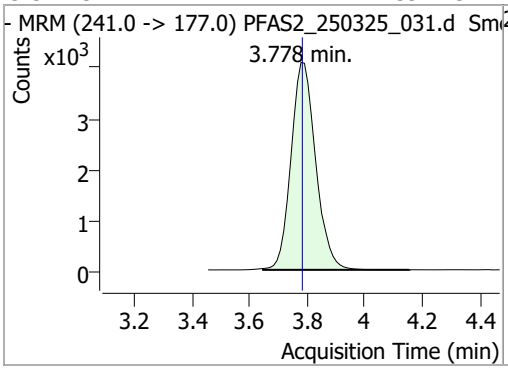
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	39.0206	3.07	0.00	889046				

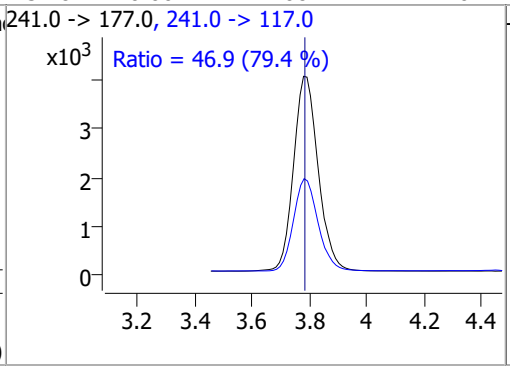


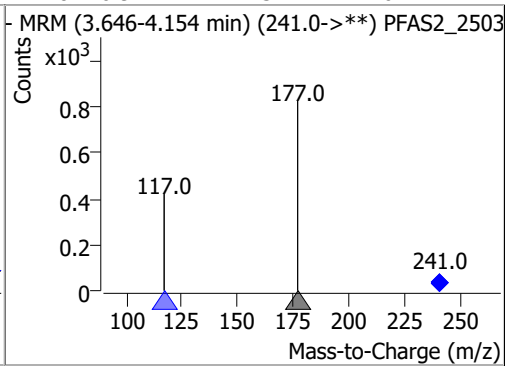
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.1535	3.61	0.01	332441				



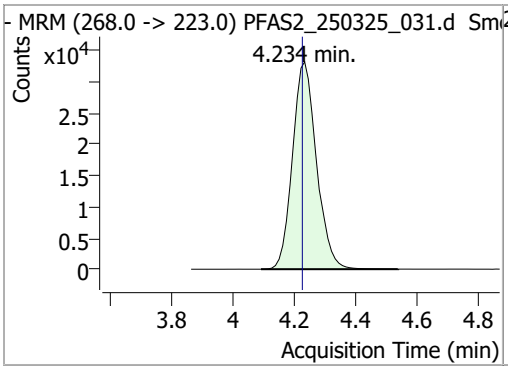
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	39.1732	3.78	0.00	24087	241.0 -> 117.0	46.9	41.3	76.7

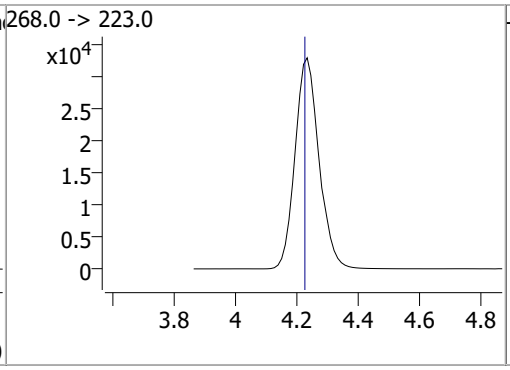


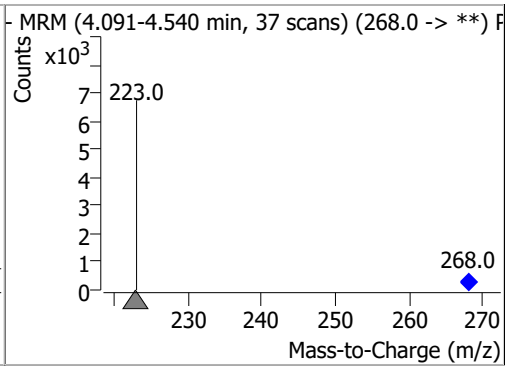




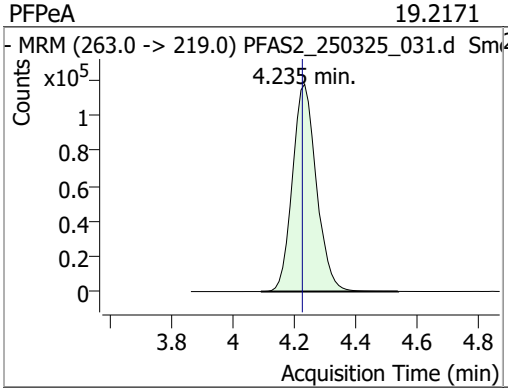
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1598	4.23	0.01	180173				

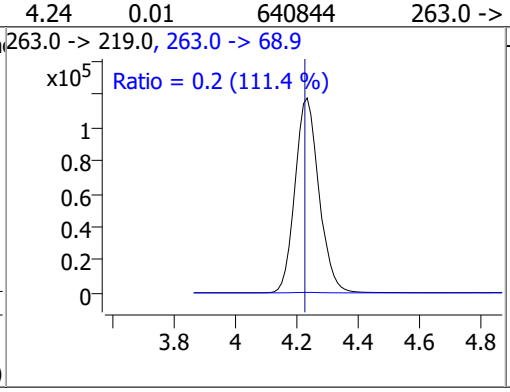


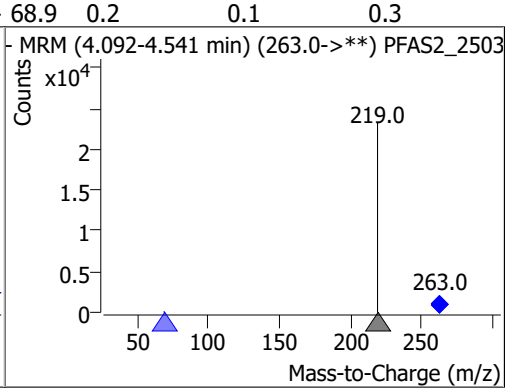




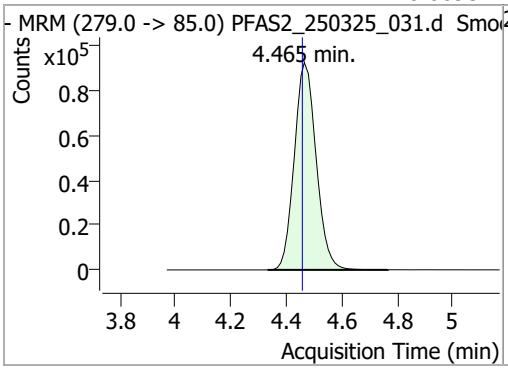
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.2171	4.24	0.01	640844	263.0 -> 68.9	0.2	0.1	0.3

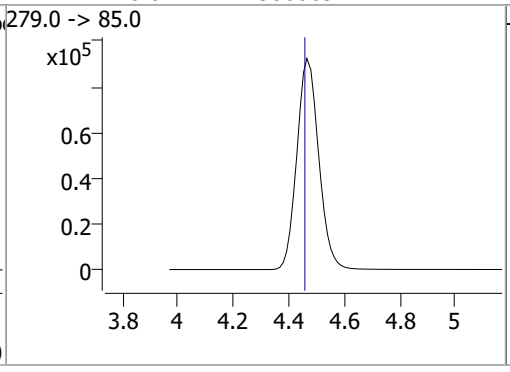


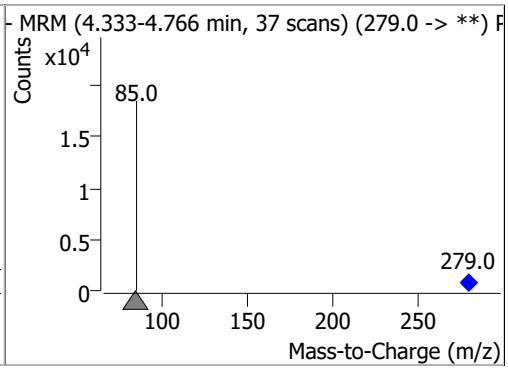




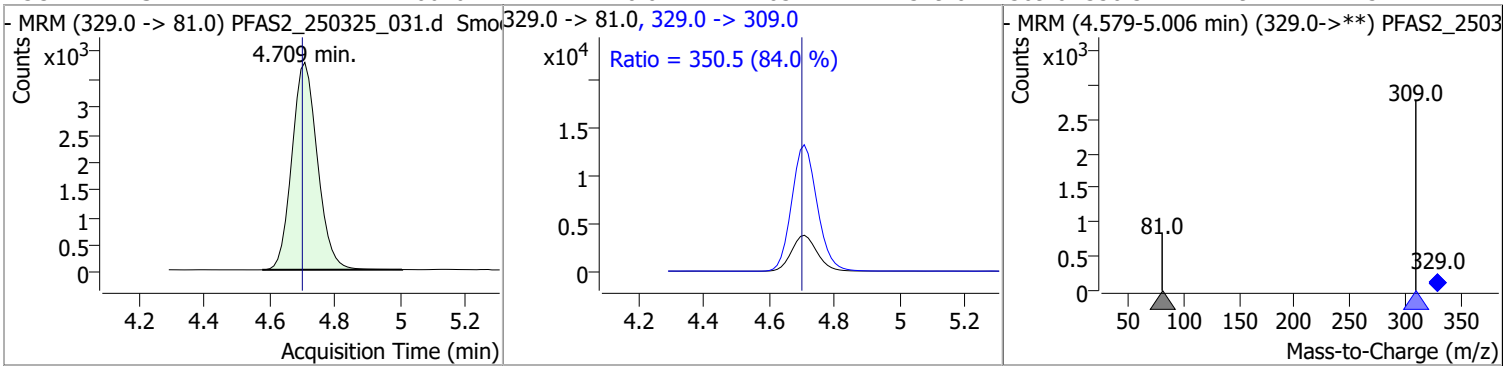
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	20.0095	4.47	0.01	506069				



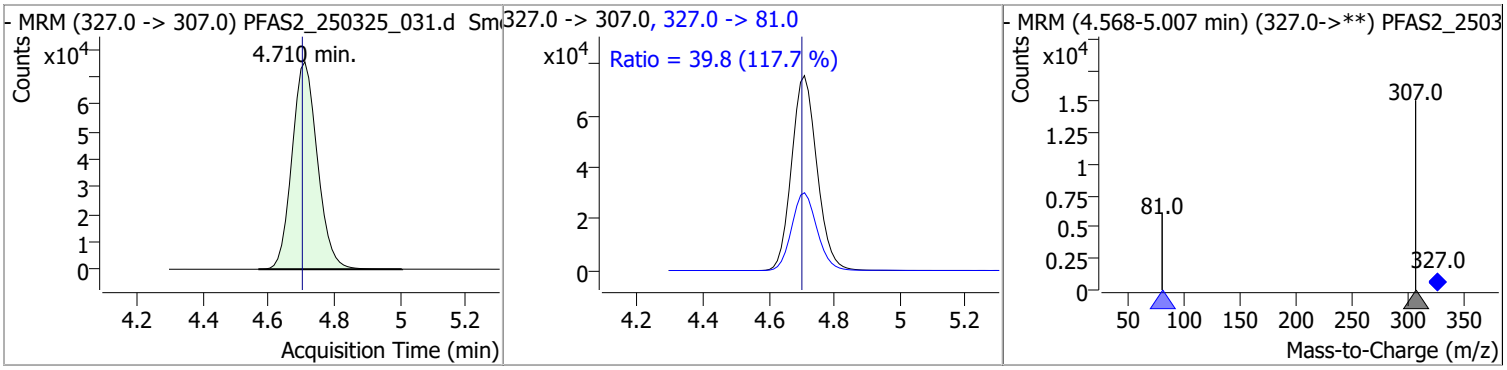




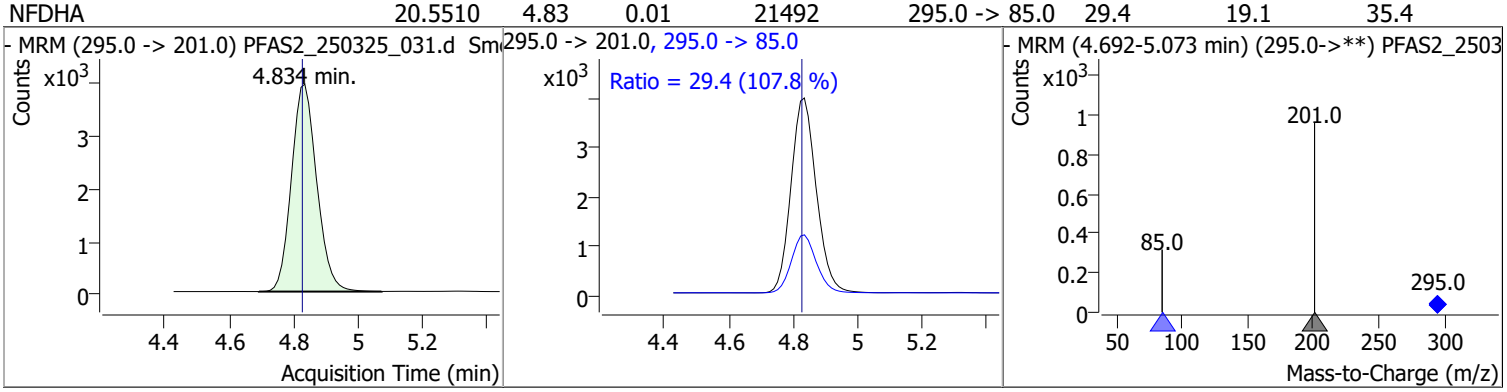
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.0626	4.71	0.01	20311	329.0 -> 309.0	350.5	292.1	542.4



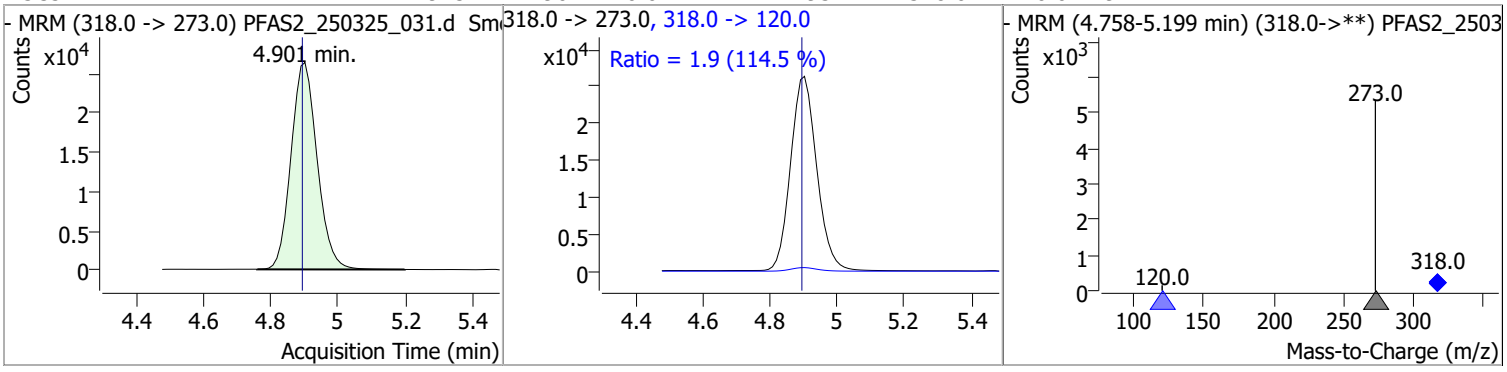
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	32.8972	4.71	0.01	406100	327.0 -> 81.0	39.8	23.6	43.9



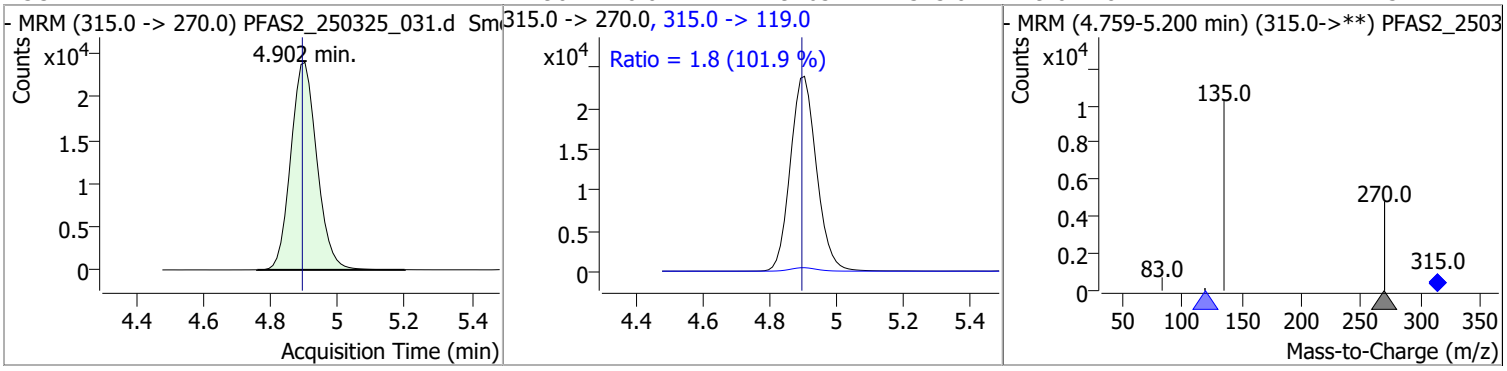
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	20.5510	4.83	0.01	21492	295.0 -> 85.0	29.4	19.1	35.4



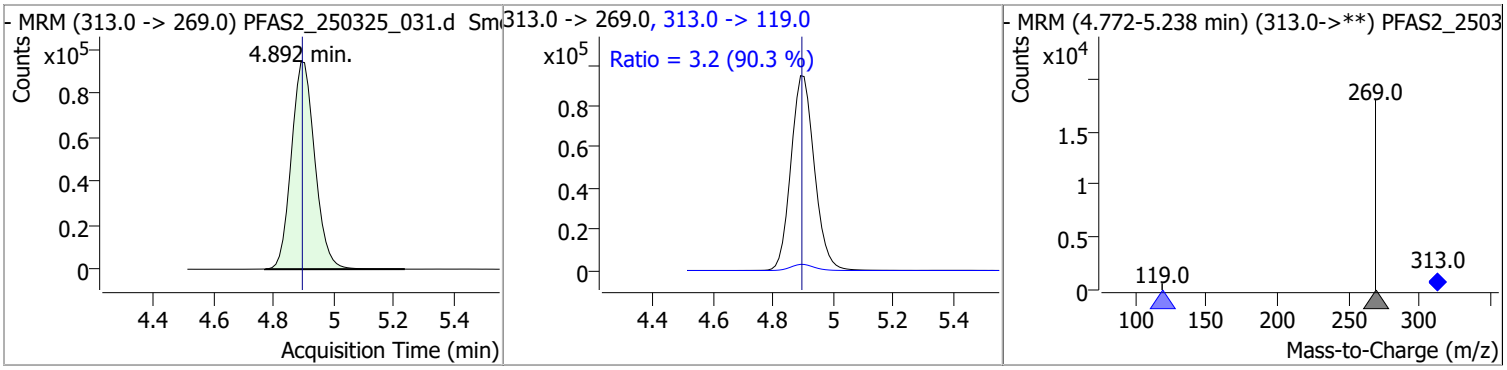
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4945	4.90	0.01	142193	318.0 -> 120.0	1.9	1.1	2.1



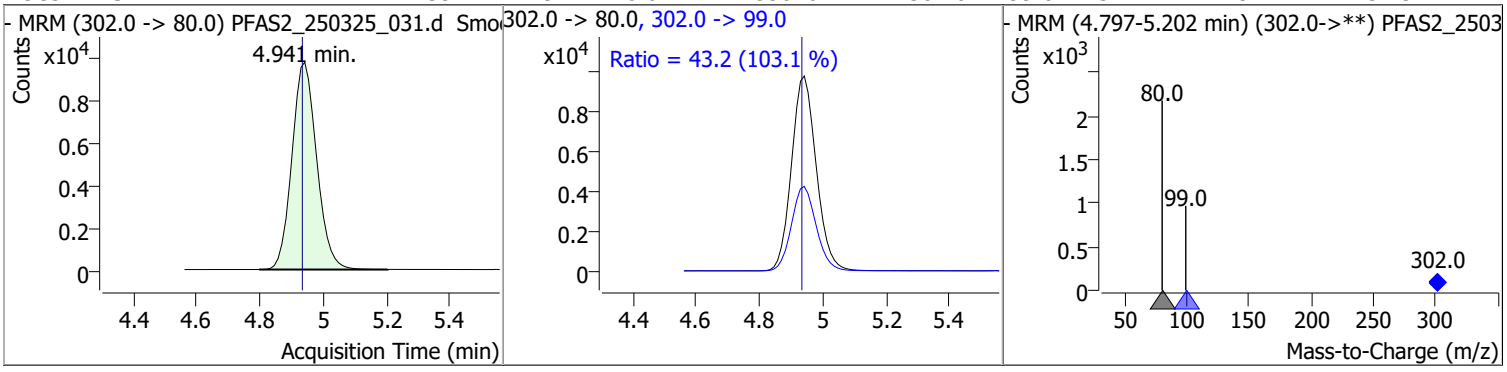
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.90	0.01	129465	315.0 -> 119.0	1.8	1.2	2.3



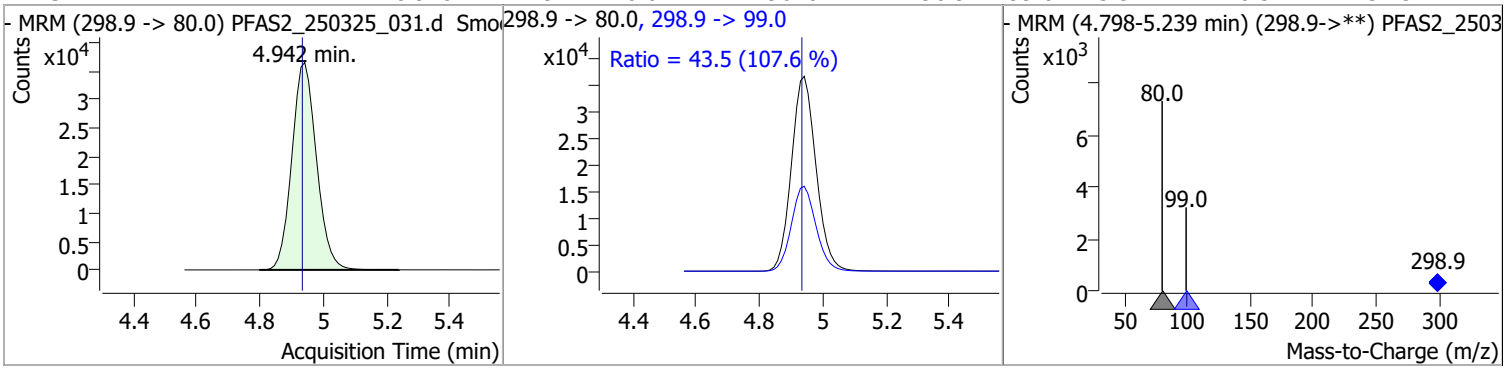
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	10.0936	4.89	0.00	513575	313.0 -> 119.0	3.2	2.4	4.5



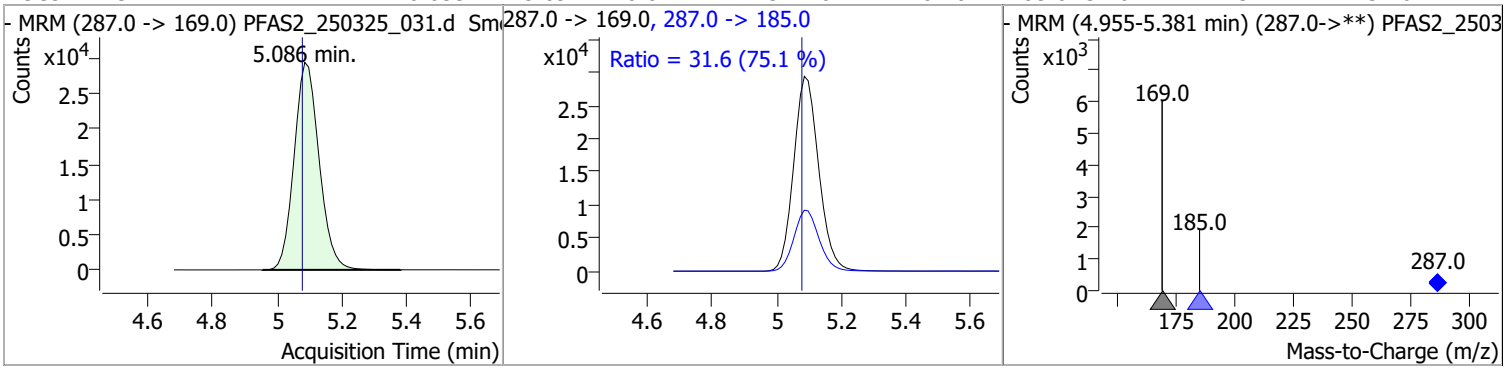
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.1994	4.94	0.01	53018	302.0 -> 99.0	43.2	29.4	54.5



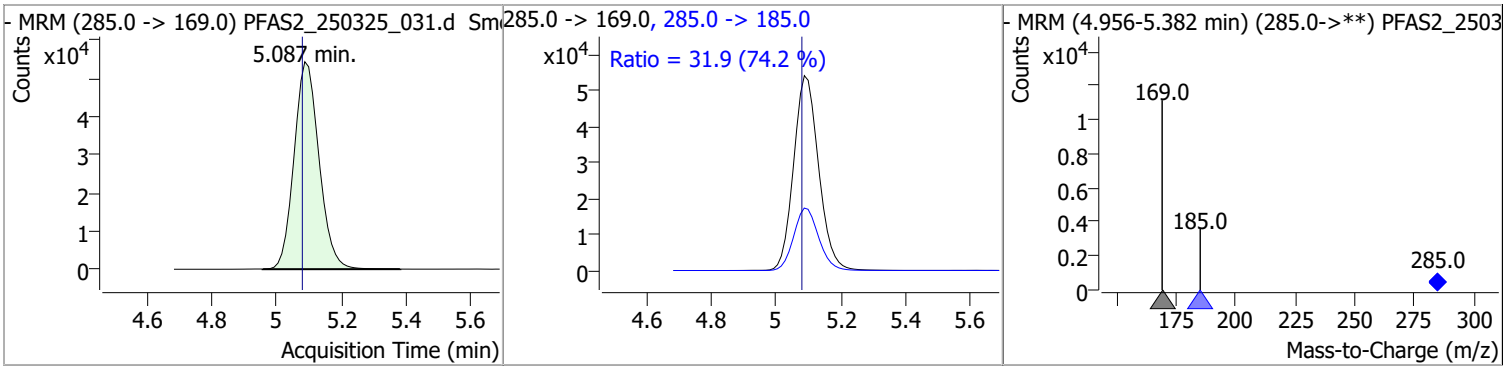
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.9187	4.94	0.01	196202	298.9 -> 99.0	43.5	28.3	52.5



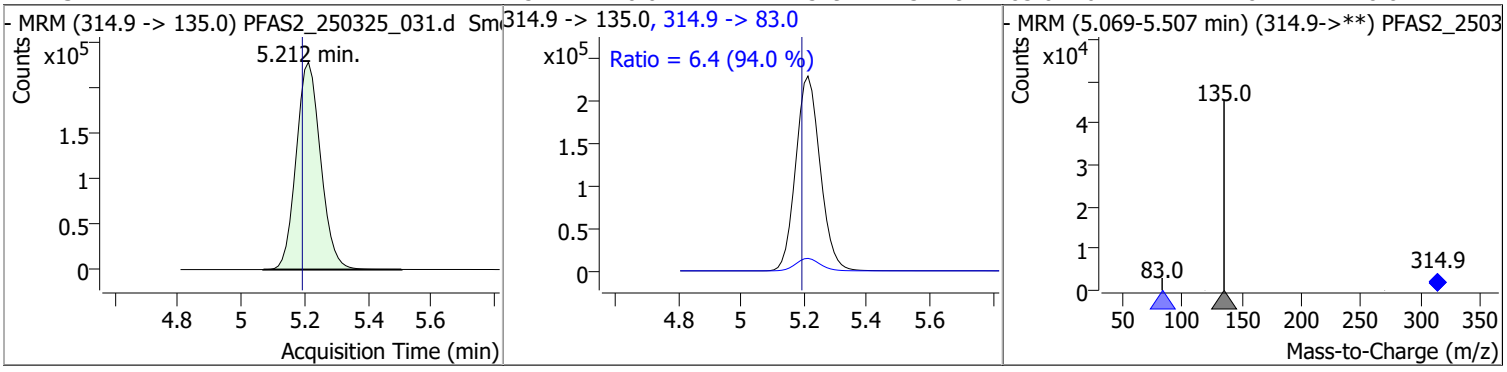
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.6534	5.09	0.01	157120	287.0 -> 185.0	31.6	29.4	54.6



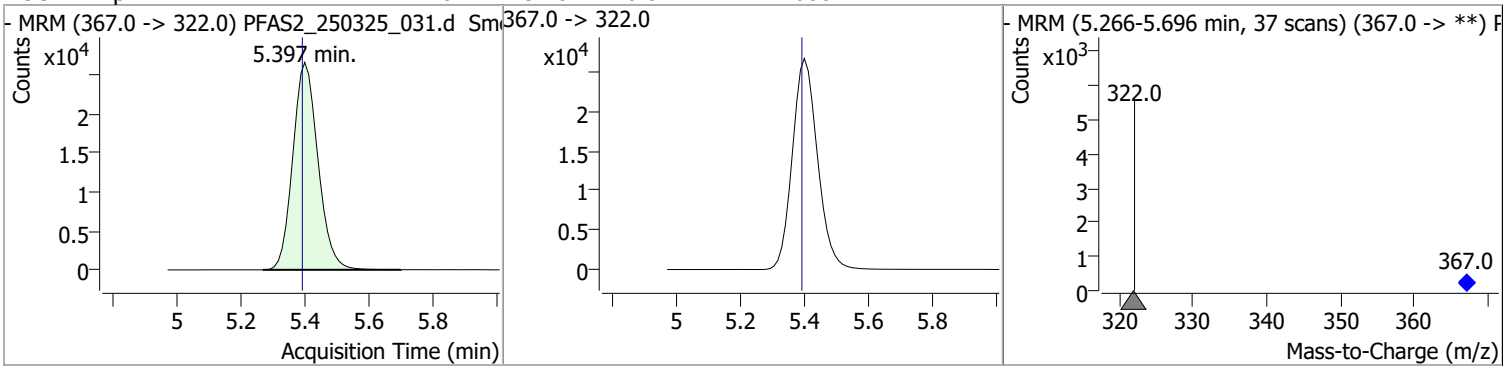
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	20.8552	5.09	0.01	290719	285.0 -> 185.0	31.9	30.1	56.0



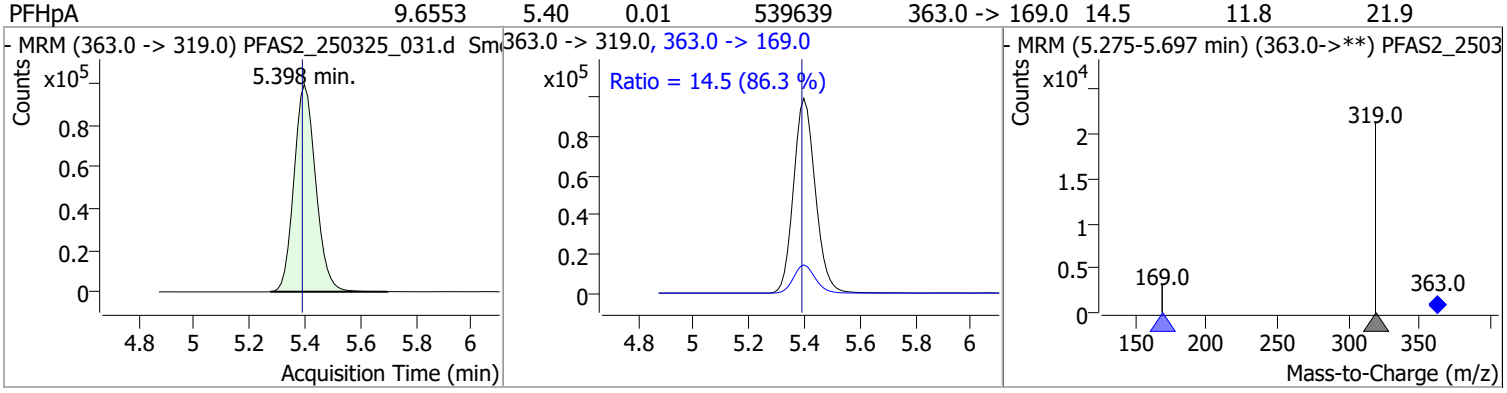
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.4217	5.21	0.02	1224519	314.9 -> 83.0	6.4	4.8	8.8



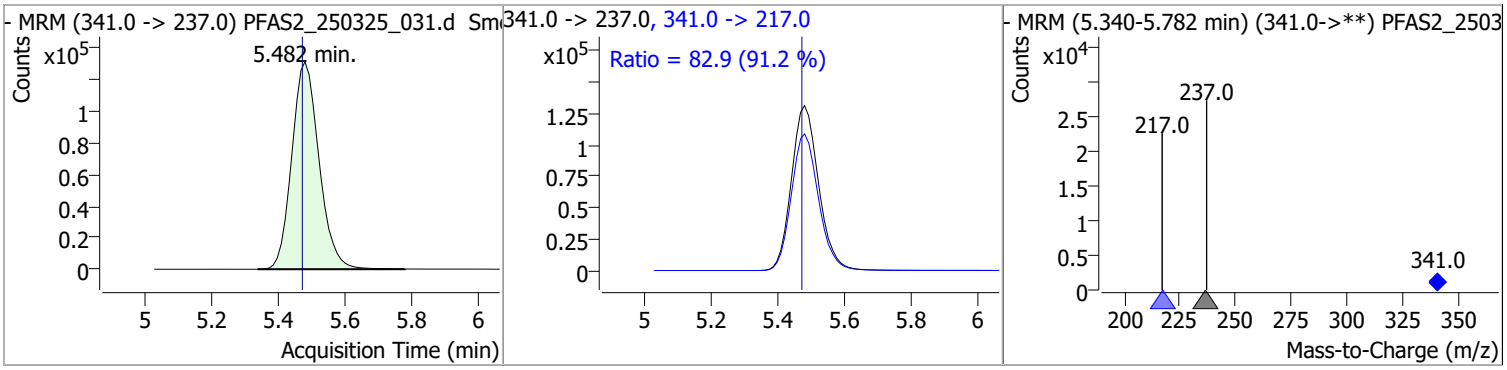
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.2701	5.40	0.01	144688				



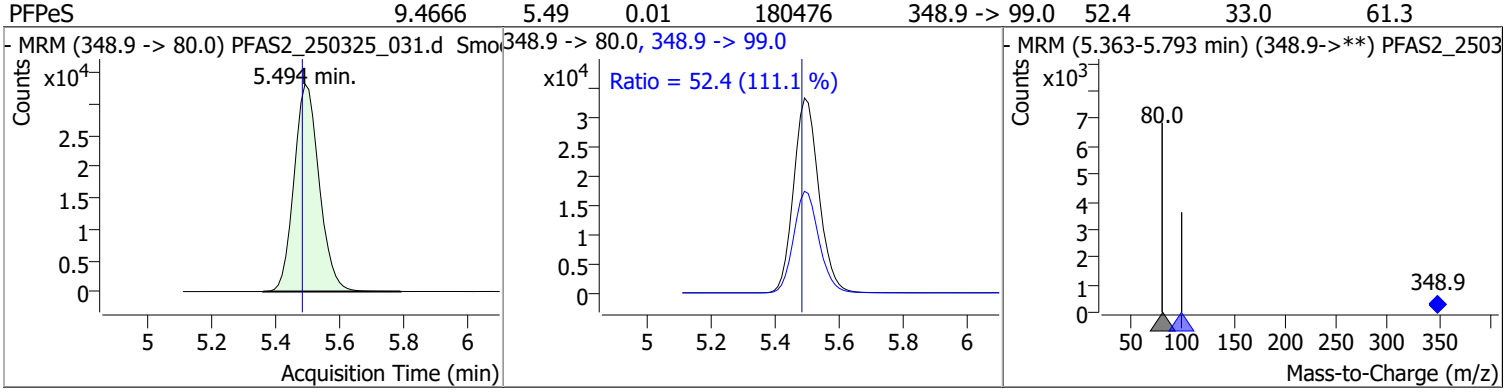
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6553	5.40	0.01	539639	363.0 -> 169.0	14.5	11.8	21.9



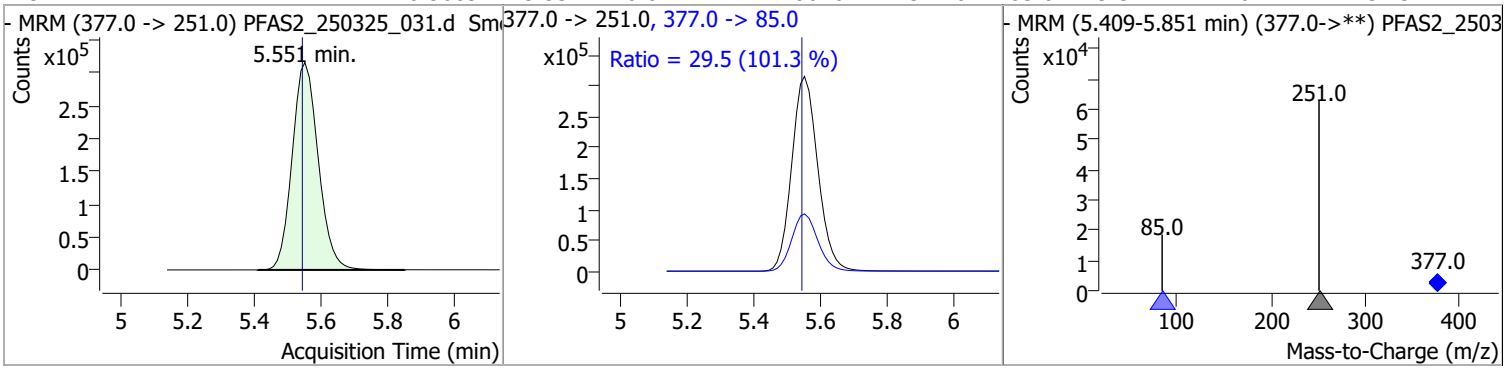
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	185.3775	5.48	0.01	744211	341.0 -> 217.0	82.9	63.6	118.1



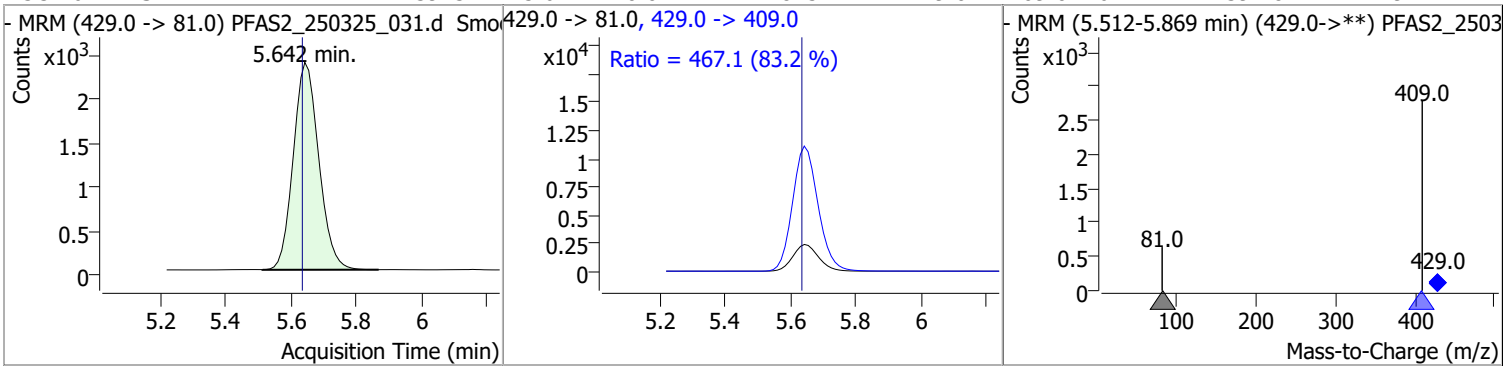
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.4666	5.49	0.01	180476	348.9 -> 99.0	52.4	33.0	61.3



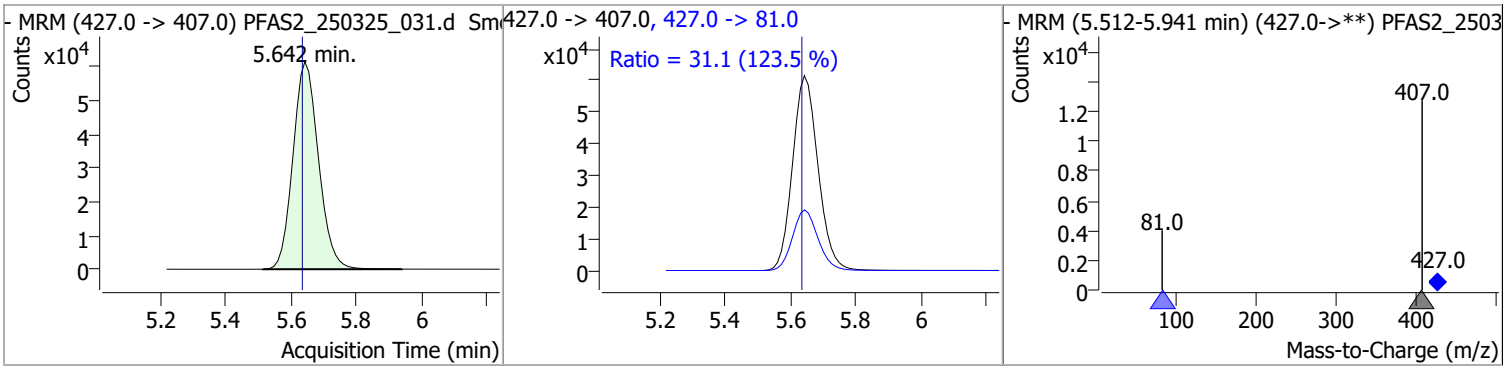
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.5689	5.55	0.01	1720026	377.0 -> 85.0	29.5	20.4	37.9



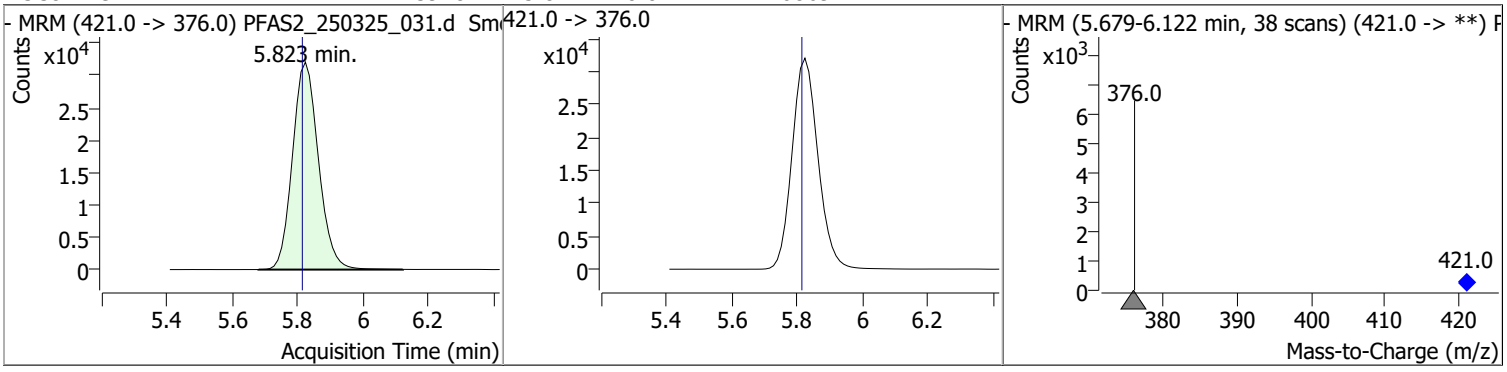
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.3923	5.64	0.01	12875	429.0 -> 409.0	467.1	392.8	729.4



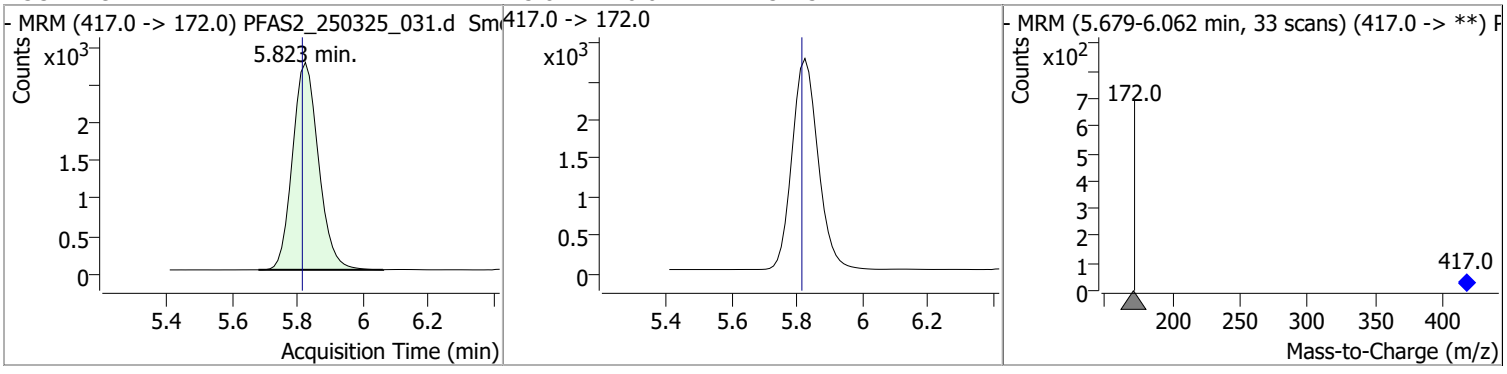
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.5589	5.64	0.01	333359	427.0 -> 81.0	31.1	17.7	32.8



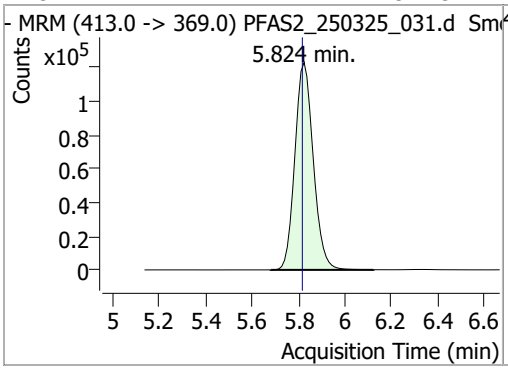
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5978	5.82	0.01	176869				

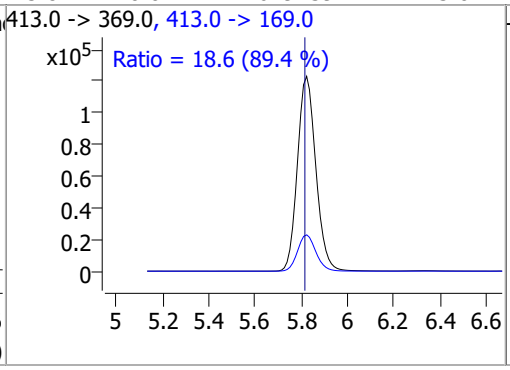


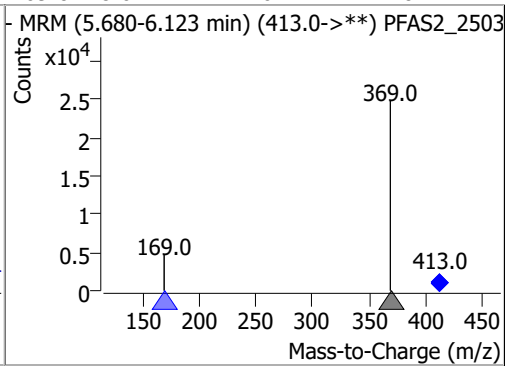
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.82	0.01	15225				



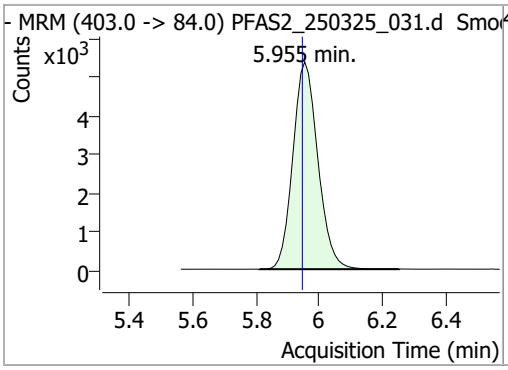
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.7197	5.82	0.01	679439	413.0 -> 169.0	18.6	14.6	27.0

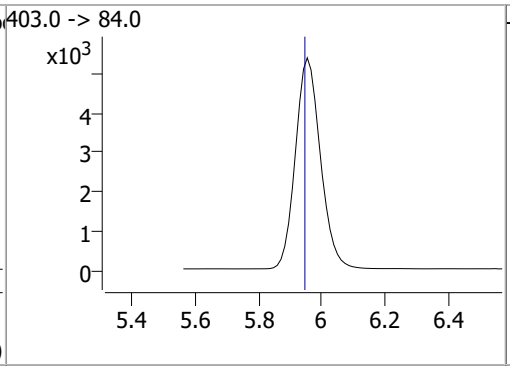


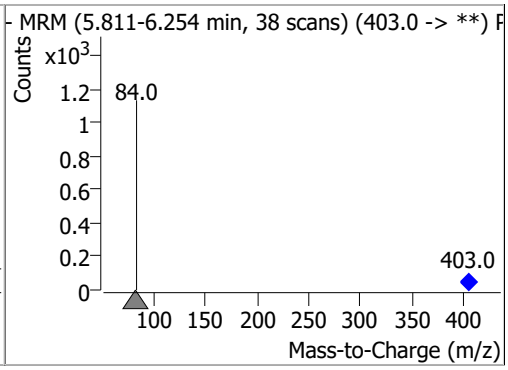




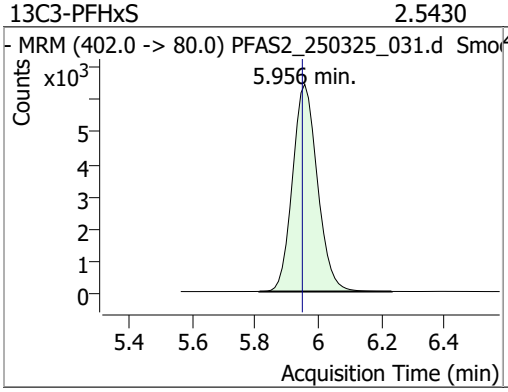
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.96	0.01	29436				

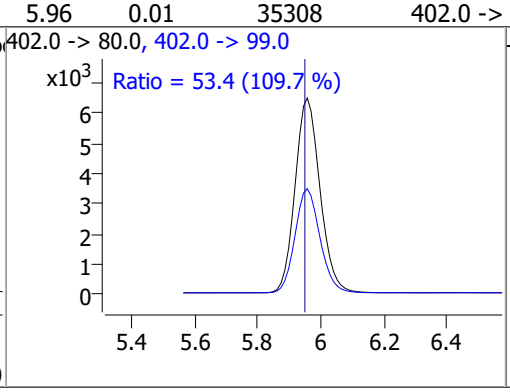


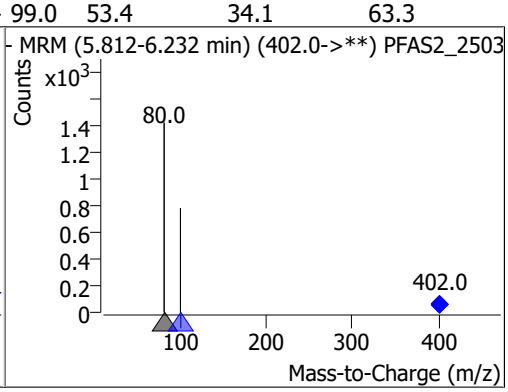




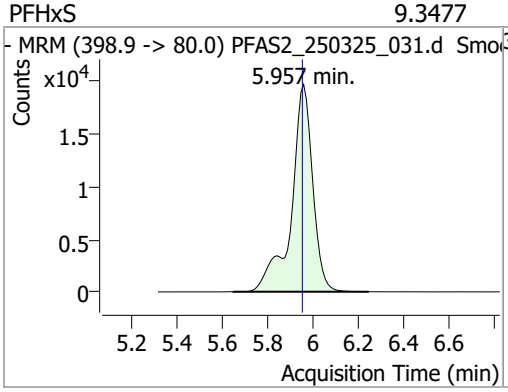
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5430	5.96	0.01	35308	402.0 -> 99.0	53.4	34.1	63.3

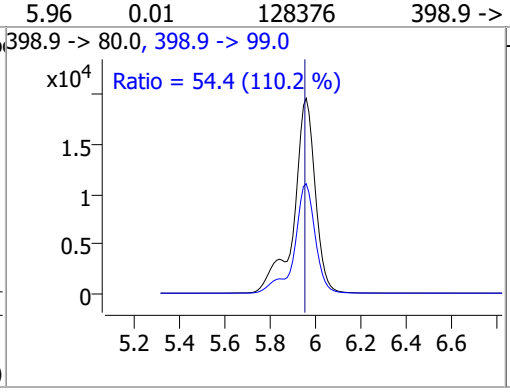


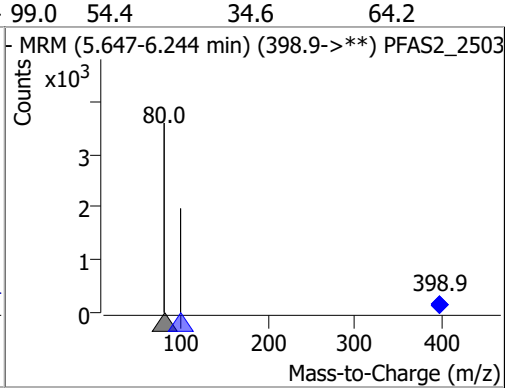




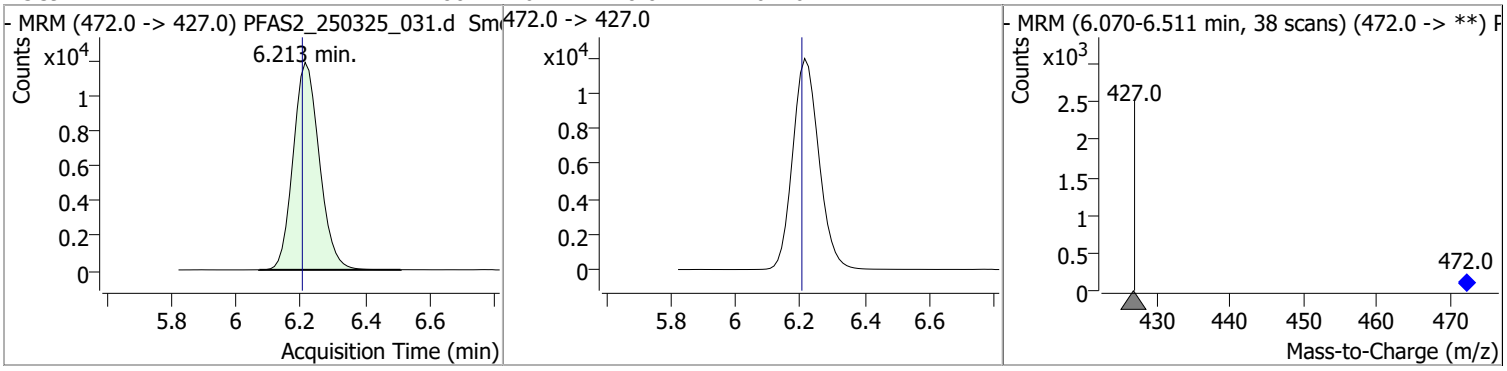
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	9.3477	5.96	0.01	128376	398.9 -> 99.0	54.4	34.6	64.2



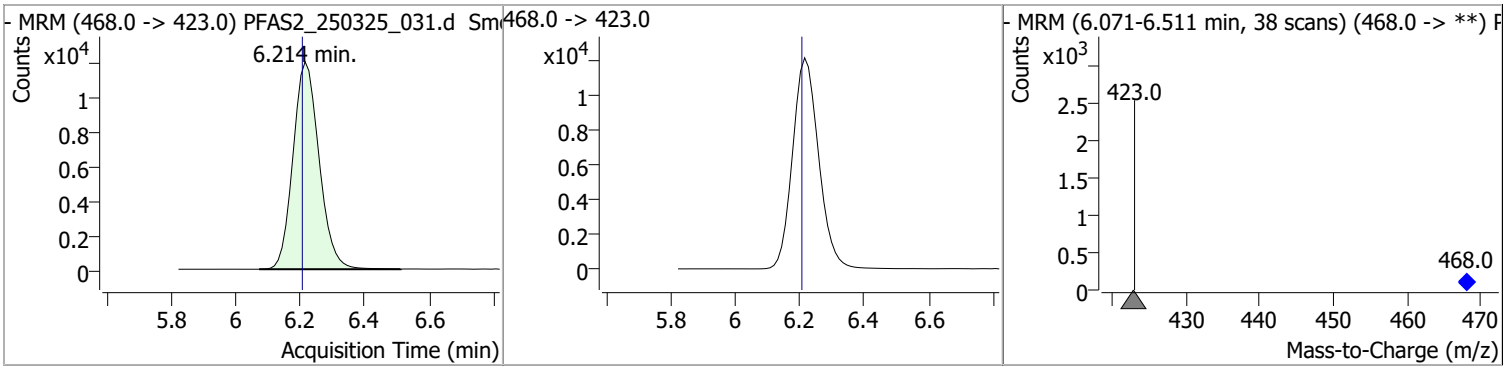




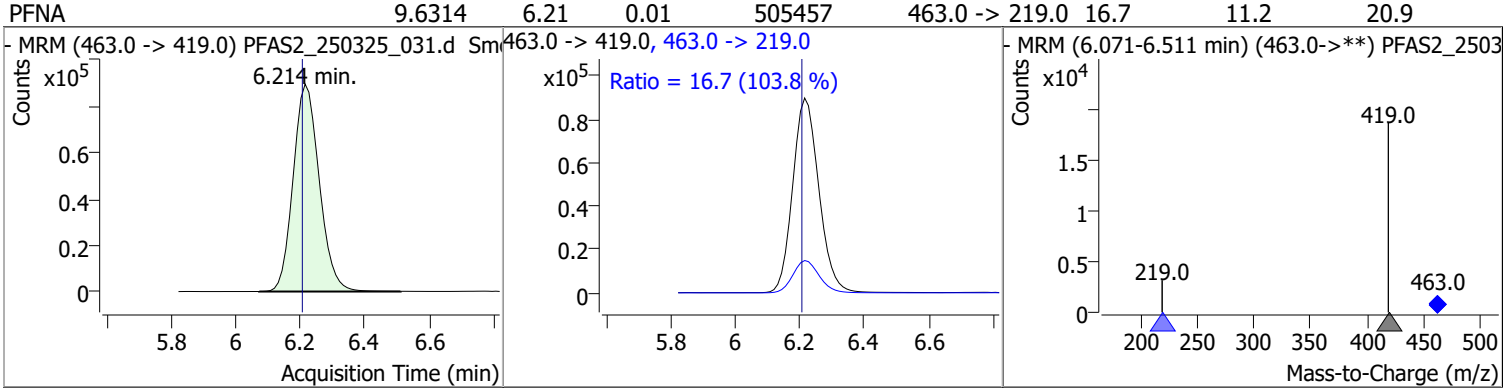
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2480	6.21	0.01	67262				



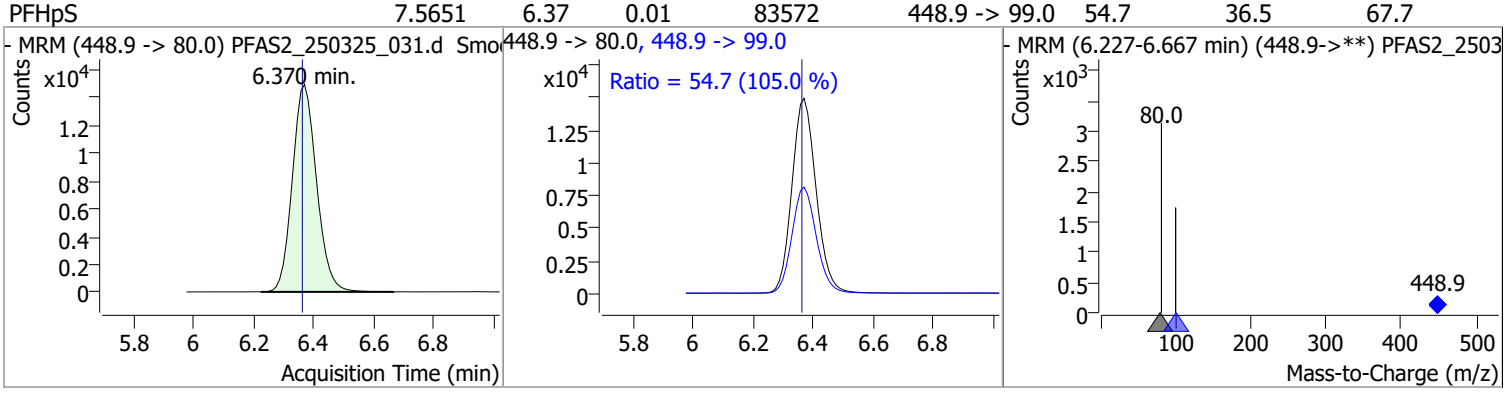
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.21	0.01	68016				



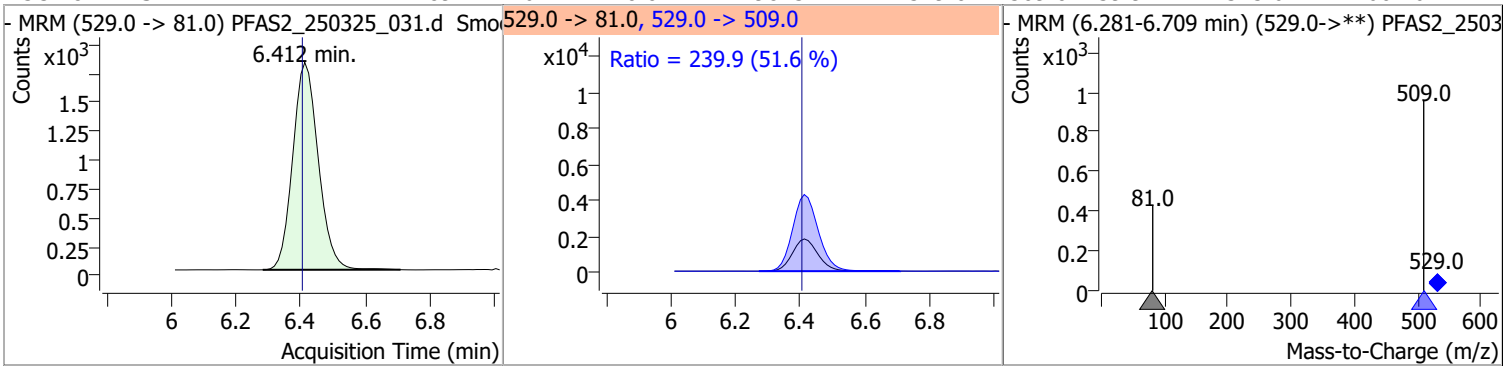
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6314	6.21	0.01	505457	463.0 -> 219.0	16.7	11.2	20.9



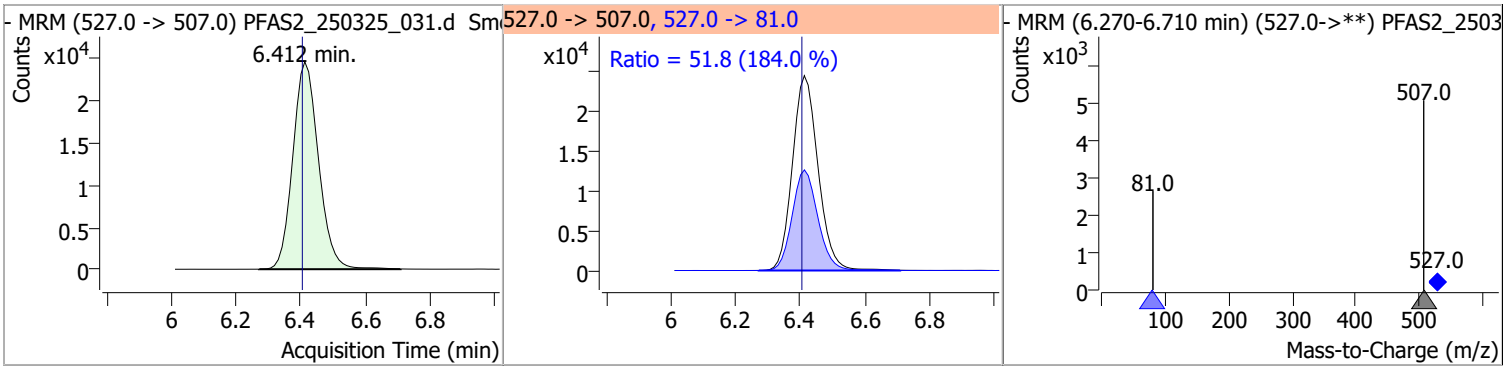
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	7.5651	6.37	0.01	83572	448.9 -> 99.0	54.7	36.5	67.7



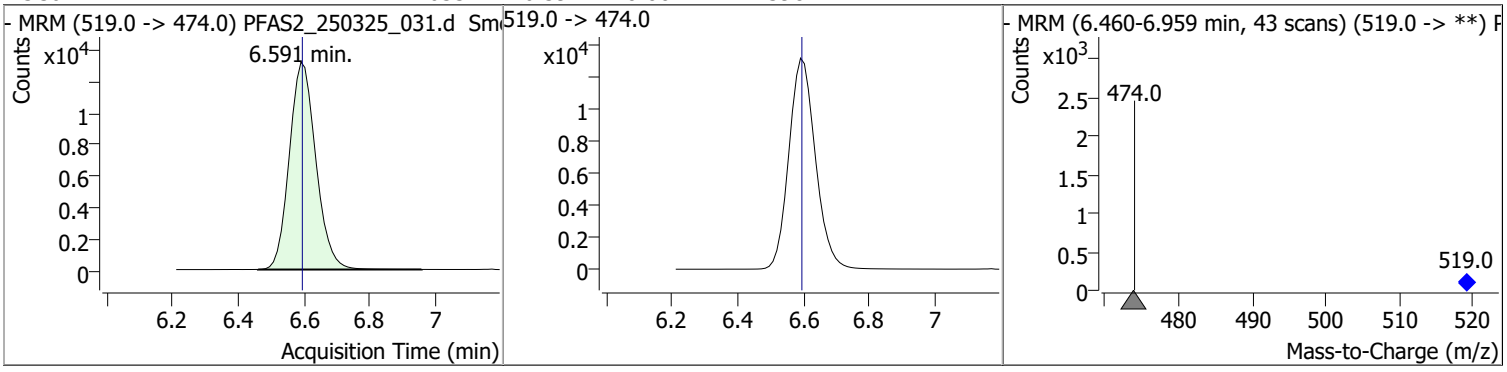
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.1892	6.41	0.01	9873	529.0 -> 509.0	239.9	325.6	604.6



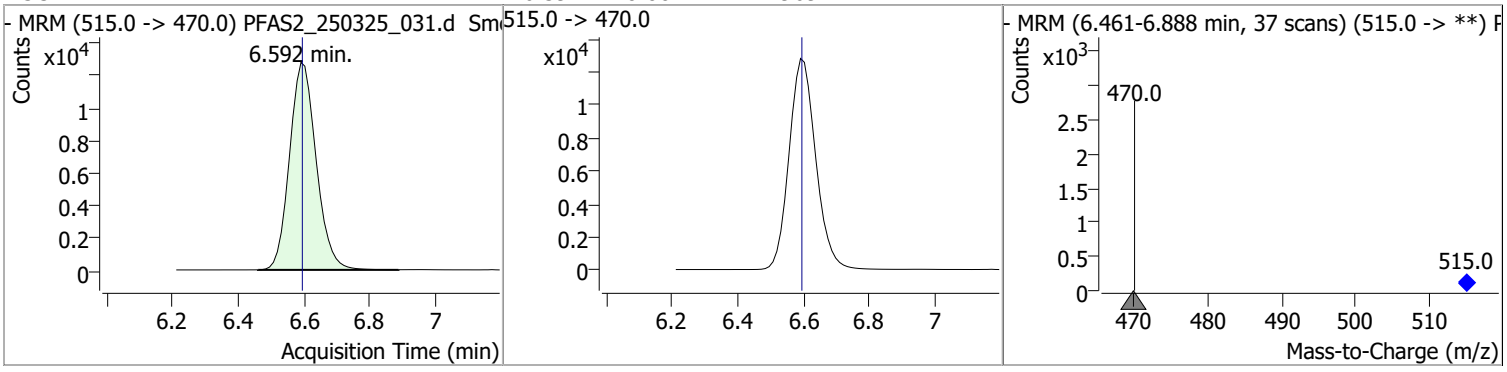
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	30.9402	6.41	0.01	135487	527.0 -> 81.0	51.8	19.7	36.6



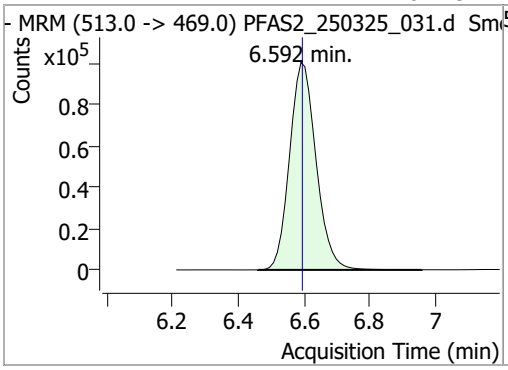
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2633	6.59	0.00	73981				

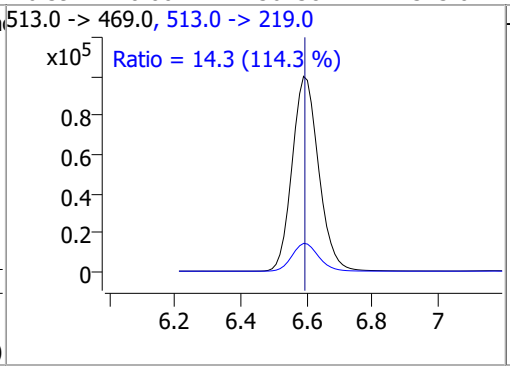


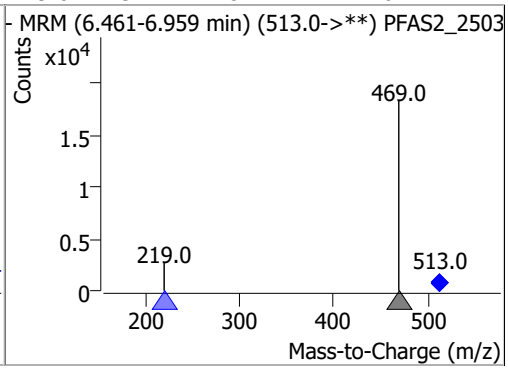
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	71969				



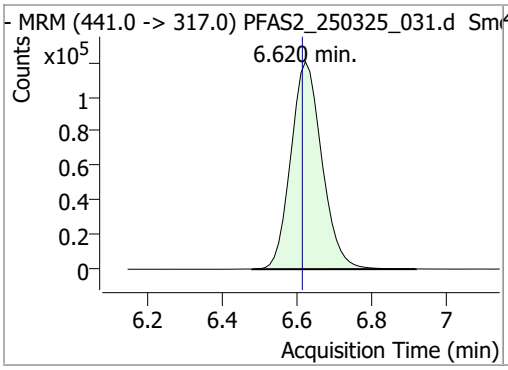
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	10.2732	6.59	0.00	562384	513.0 -> 219.0	14.3	8.7	16.2

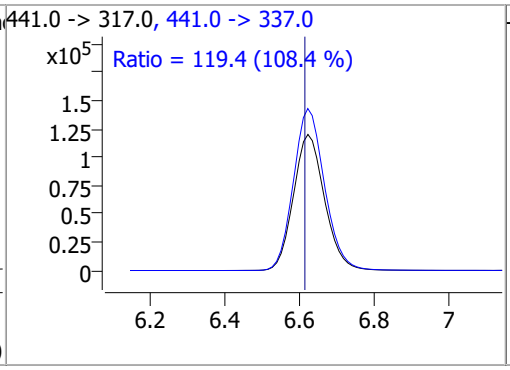


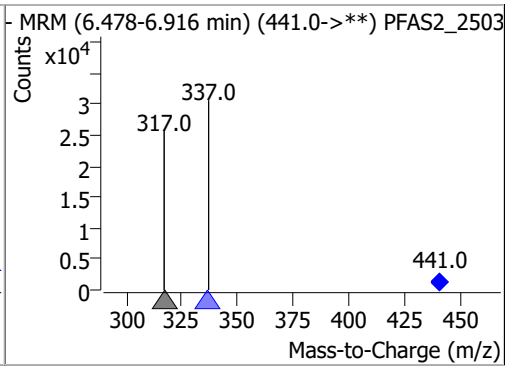




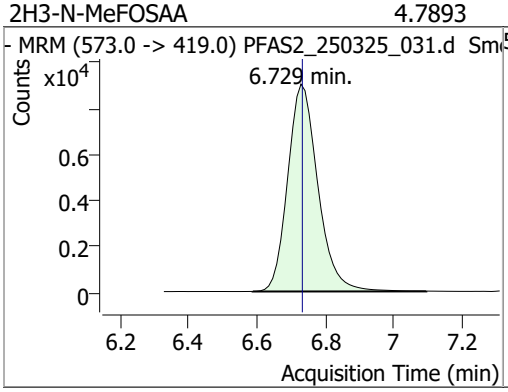
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	225.2164	6.62	0.01	694743	441.0 -> 337.0	119.4	77.1	143.3

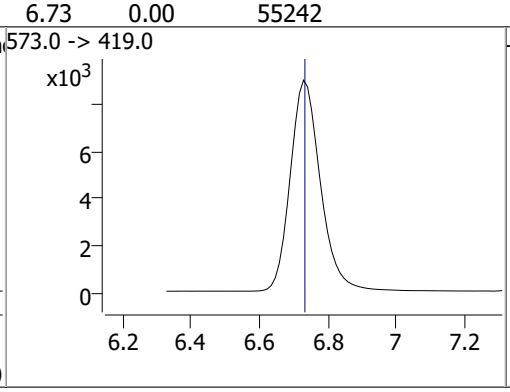


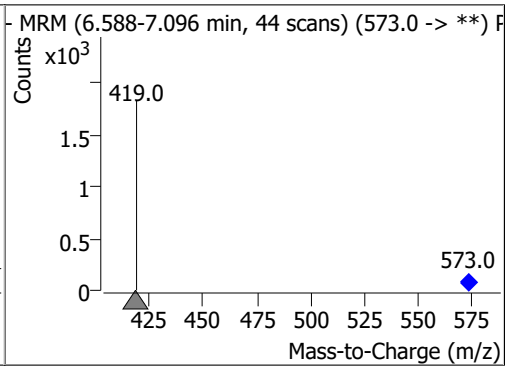




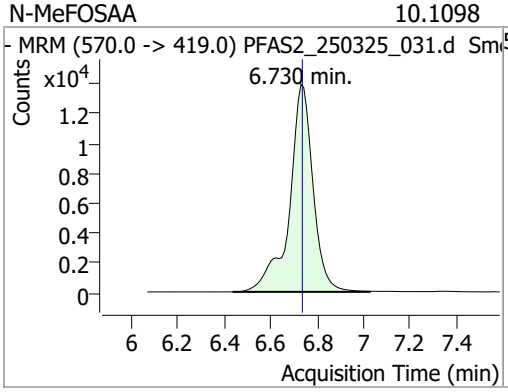
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7893	6.73	0.00	55242				

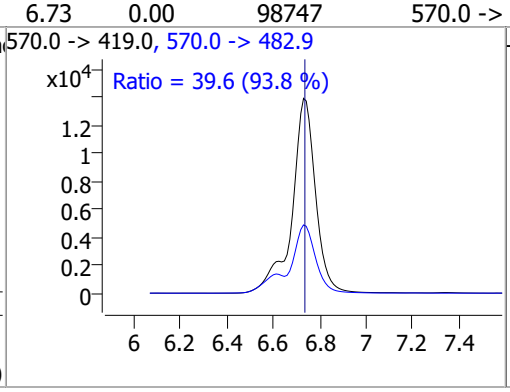


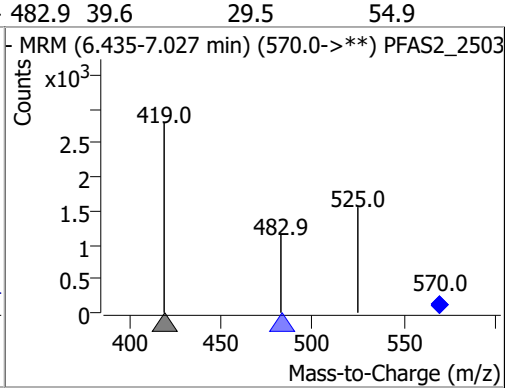




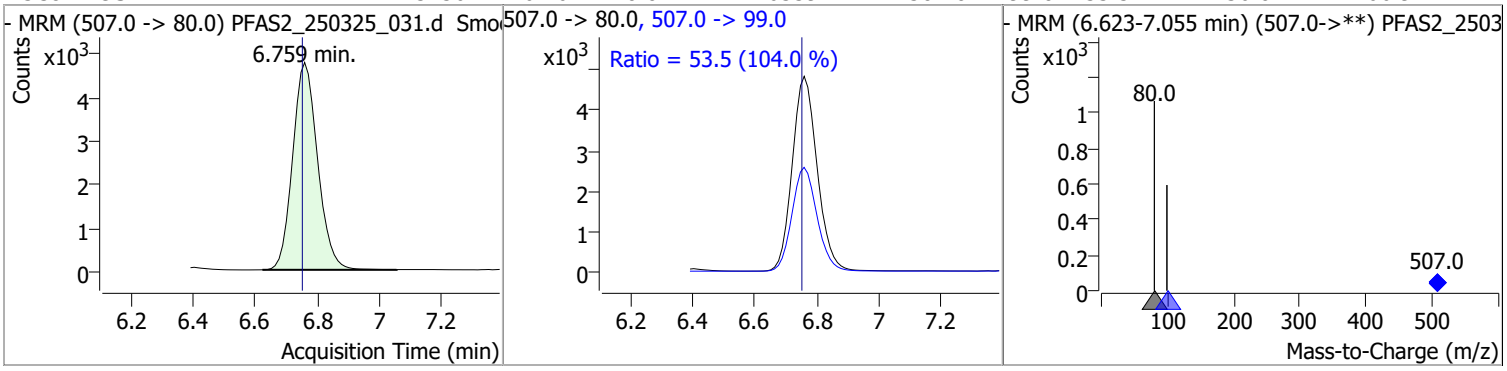
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	10.1098	6.73	0.00	98747	570.0 -> 482.9	39.6	29.5	54.9



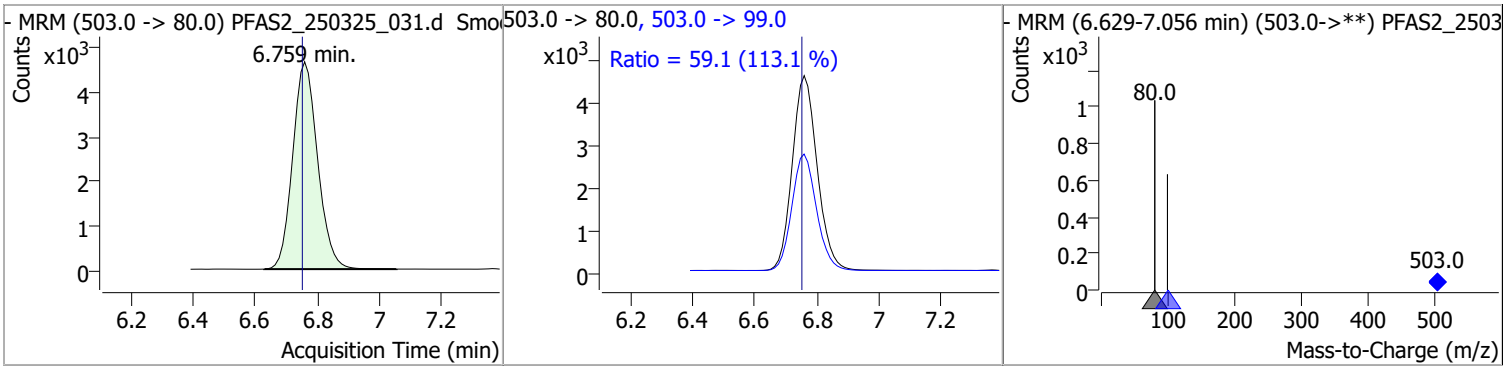




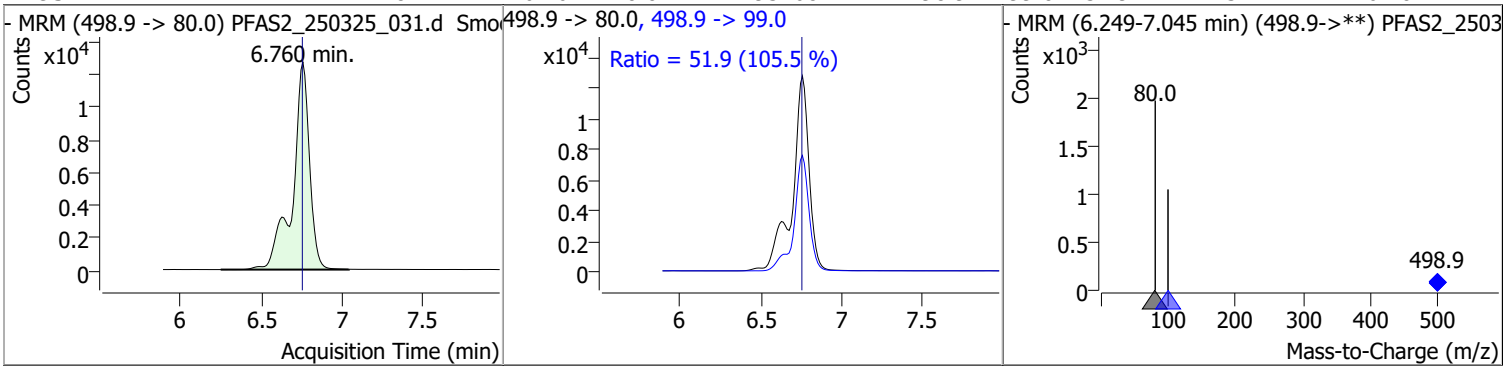
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5456	6.76	0.01	26559	507.0 -> 99.0	53.5	36.0	66.9



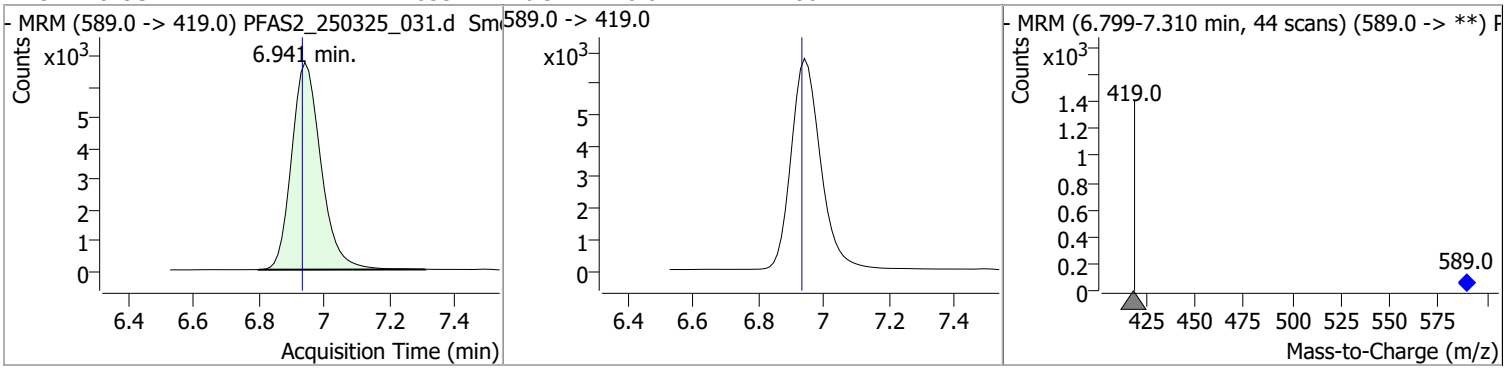
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.76	0.01	25707	503.0 -> 99.0	59.1	36.6	67.9



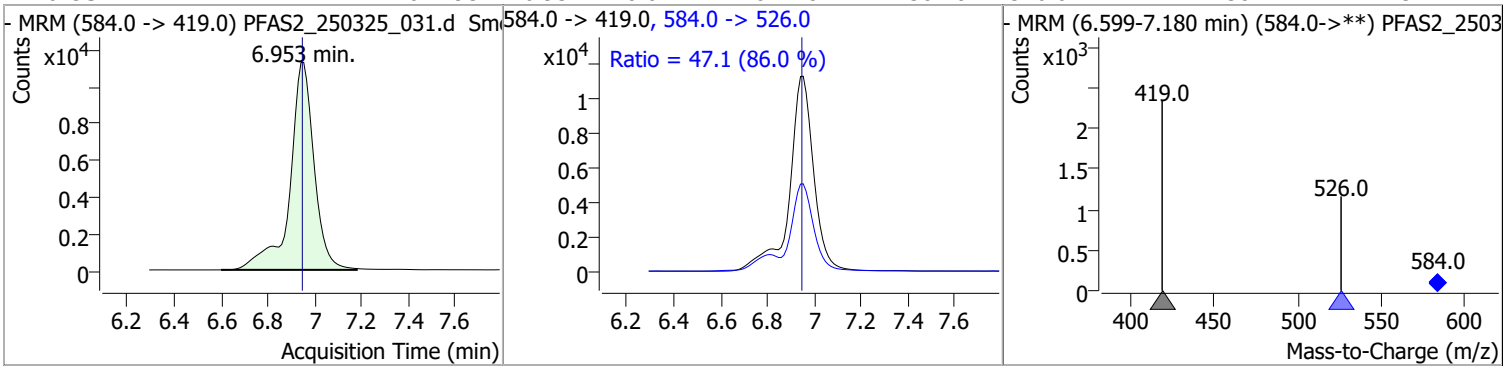
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.7447	6.76	0.01	93268	498.9 -> 99.0	51.9	34.4	64.0



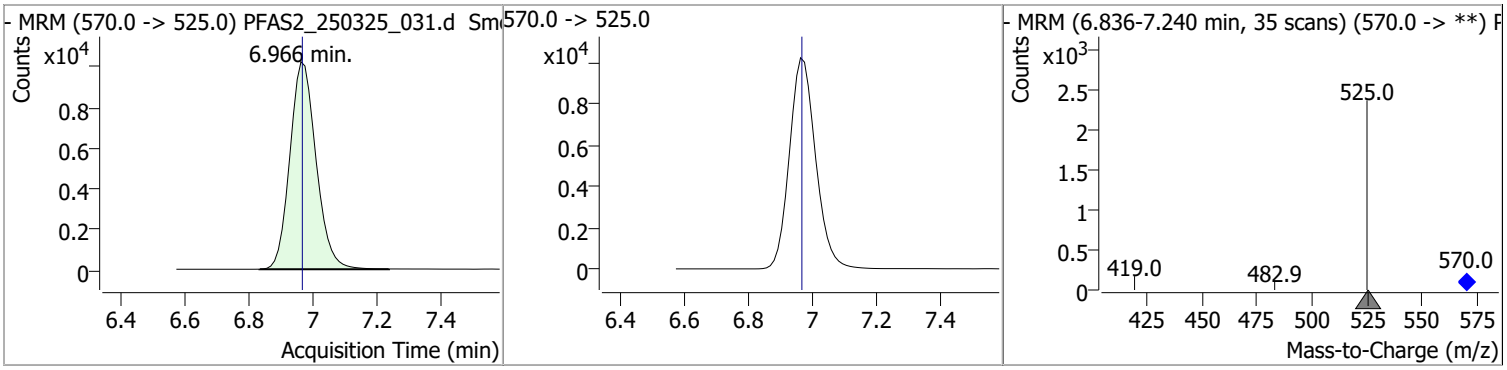
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8354	6.94	0.01	42108				



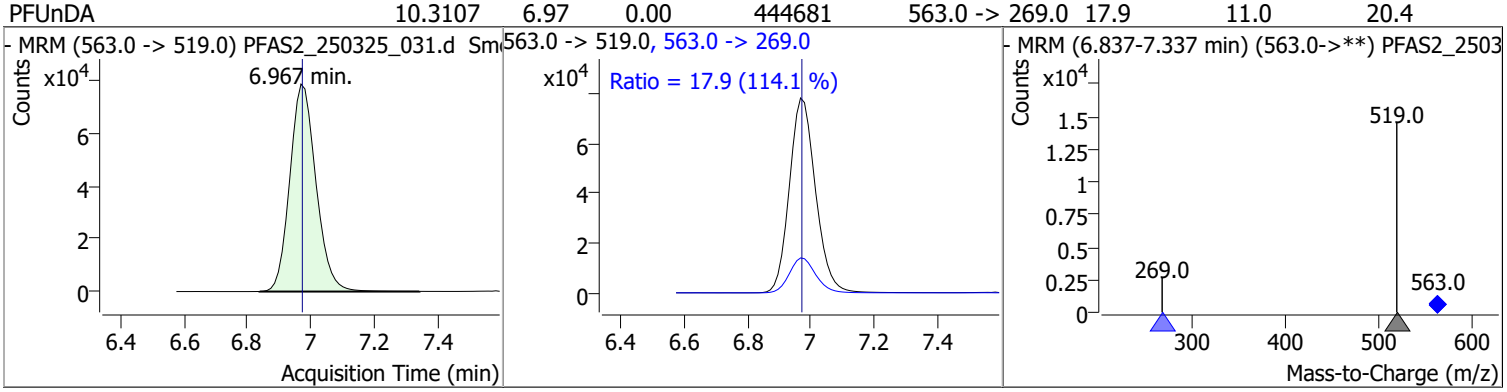
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	10.2295	6.95	0.01	81428	584.0 -> 526.0	47.1	38.4	71.3



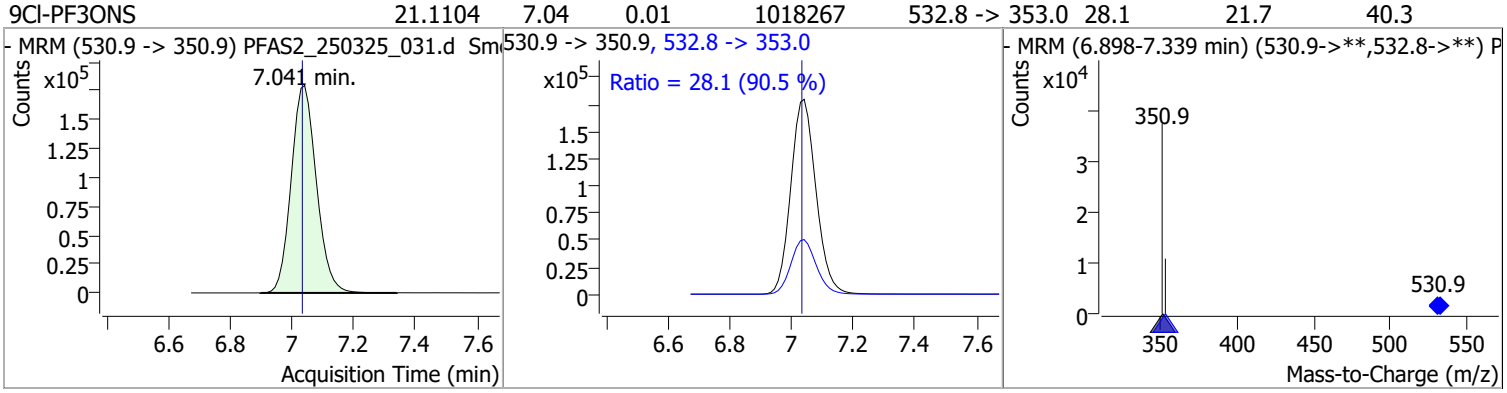
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2561	6.97	0.00	57974				



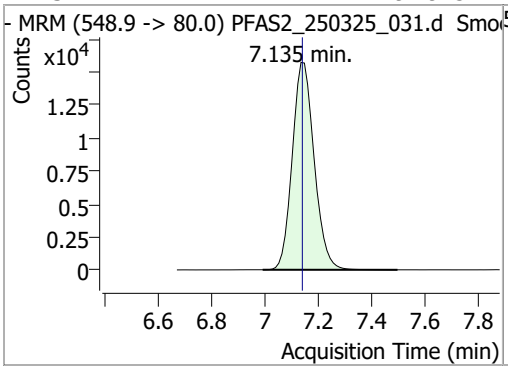
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	10.3107	6.97	0.00	444681	563.0 -> 269.0	17.9	11.0	20.4

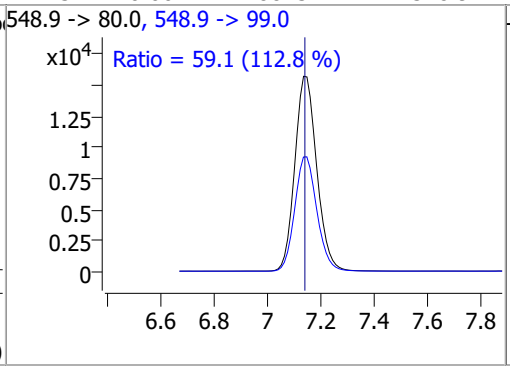


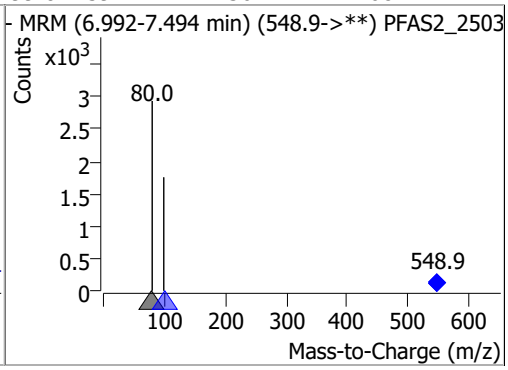
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	21.1104	7.04	0.01	1018267	532.8 -> 353.0	28.1	21.7	40.3



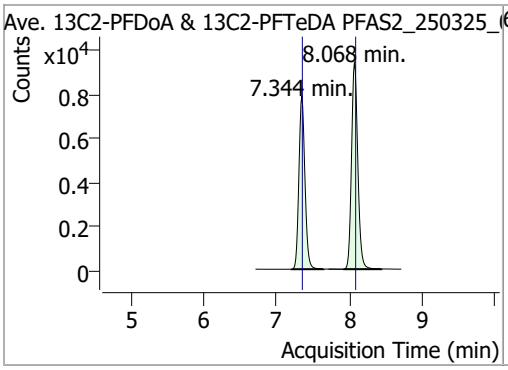
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.7943	7.13	0.00	88737	548.9 -> 99.0	59.1	36.7	68.1

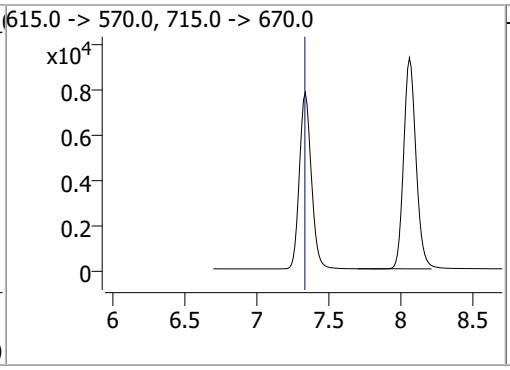


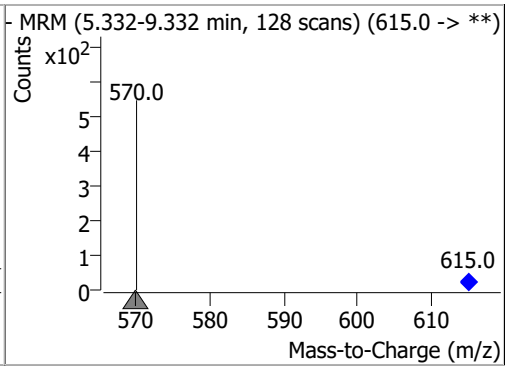




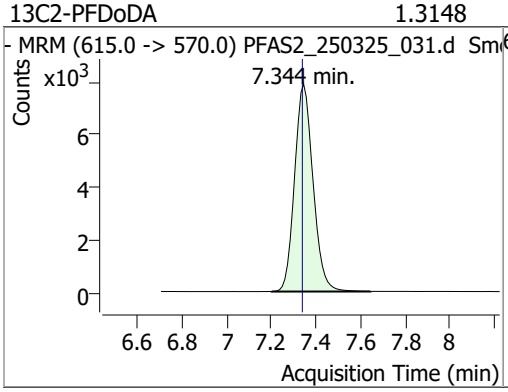
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3369	7.71	0.37	50859				

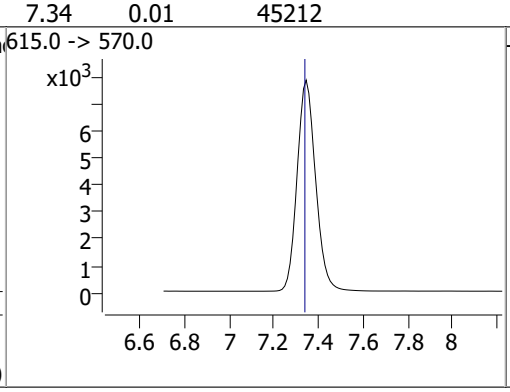


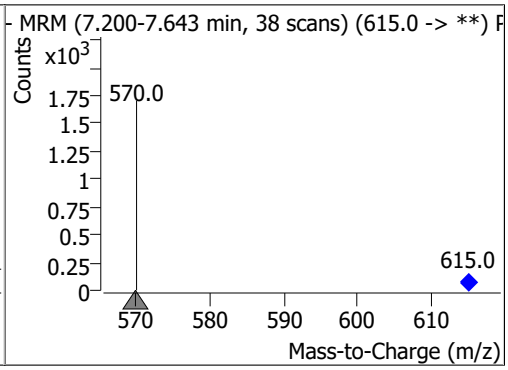




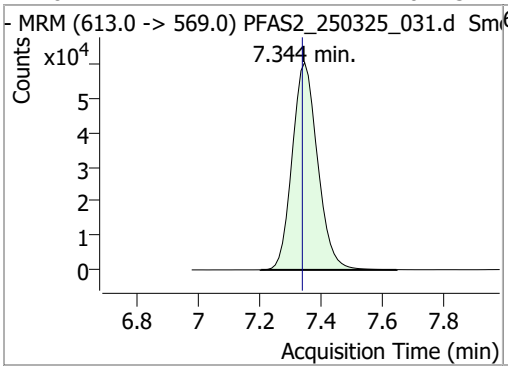
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3148	7.34	0.01	45212				

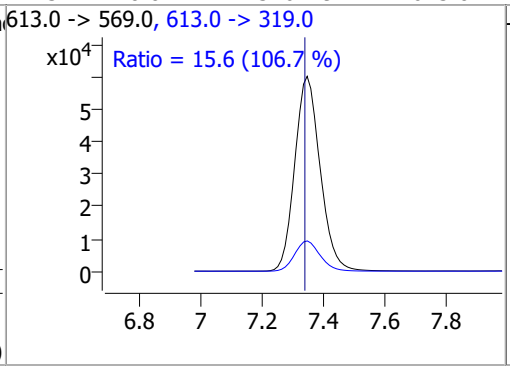


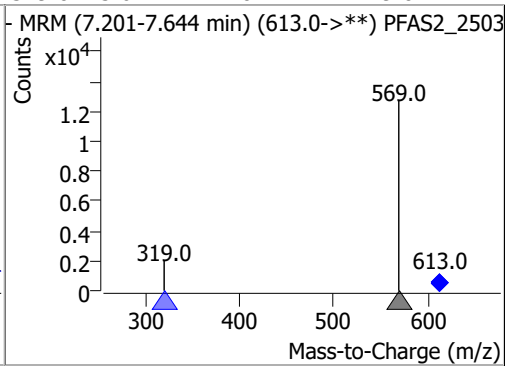




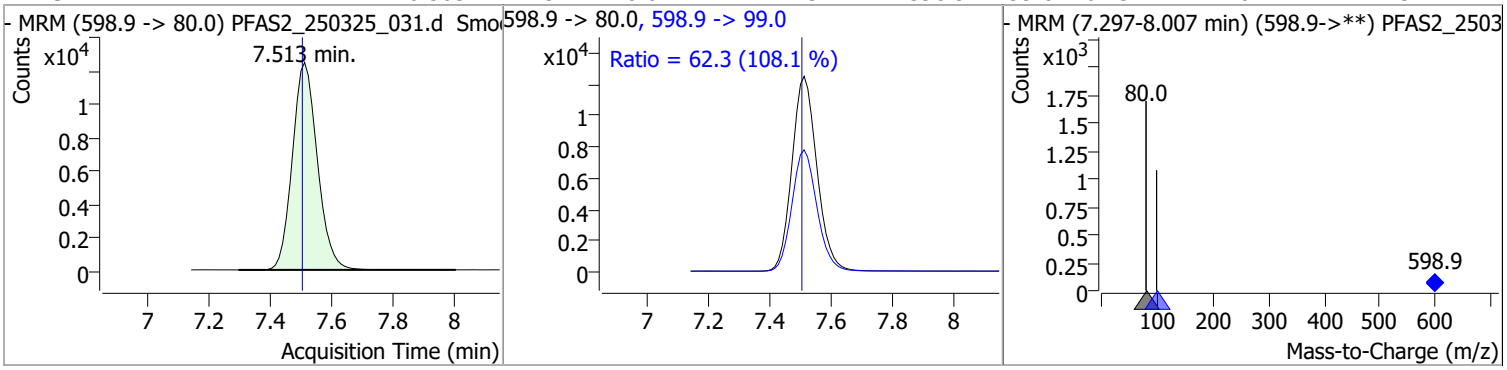
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	10.4437	7.34	0.01	346149	613.0 -> 319.0	15.6	10.2	19.0



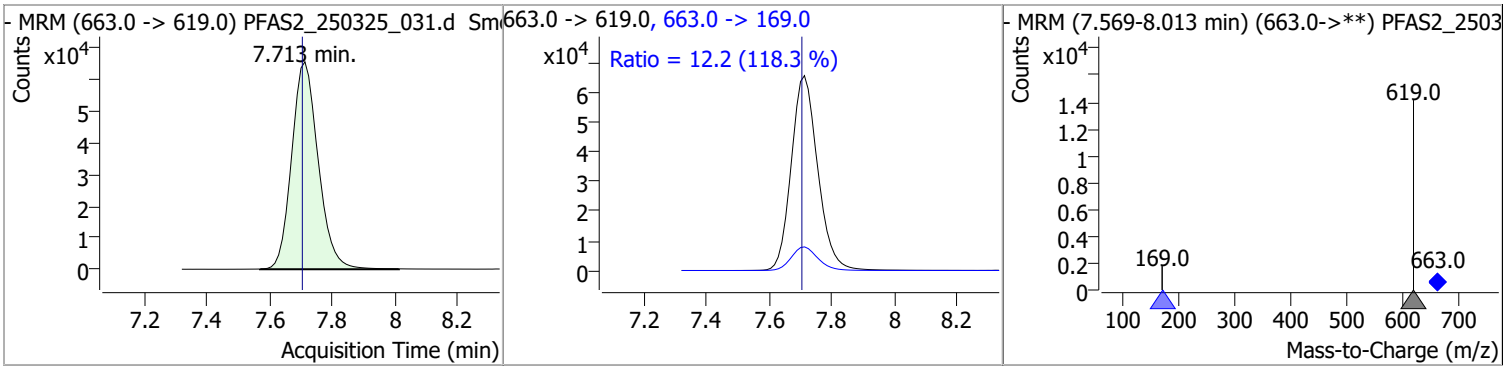




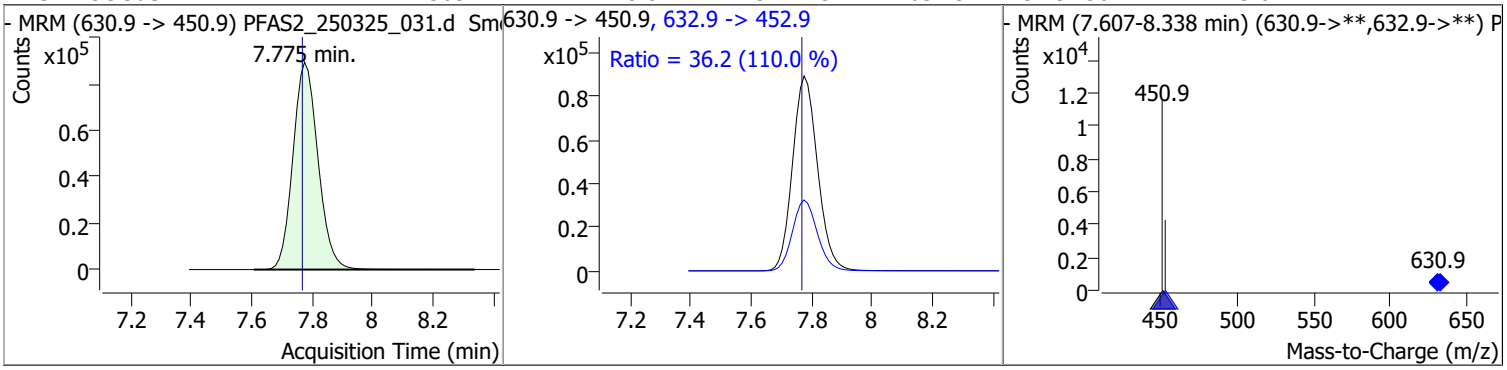
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	10.5052	7.51	0.01	71115	598.9 -> 99.0	62.3	40.4	74.9



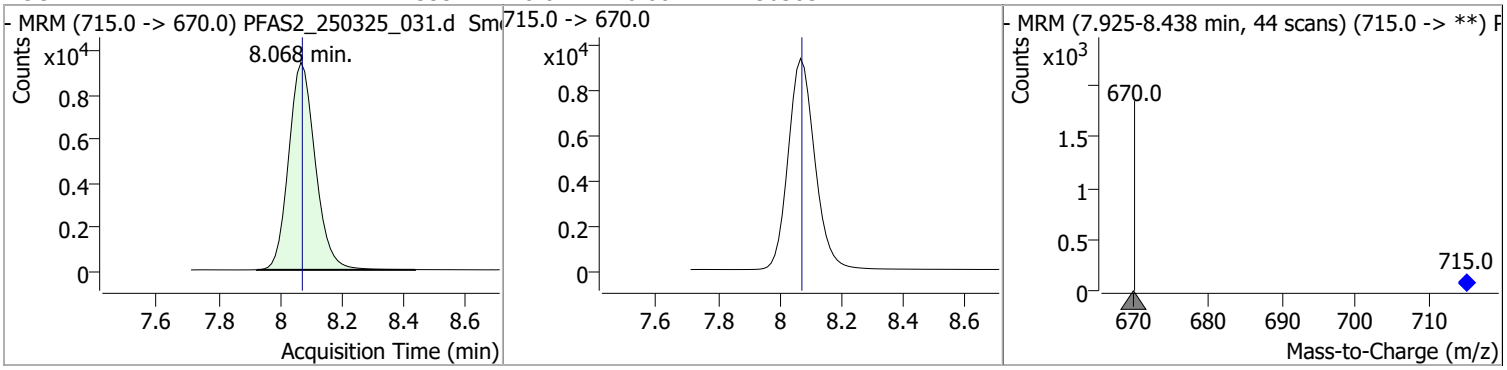
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	10.0866	7.71	0.01	386525	663.0 -> 169.0	12.2	7.2	13.4



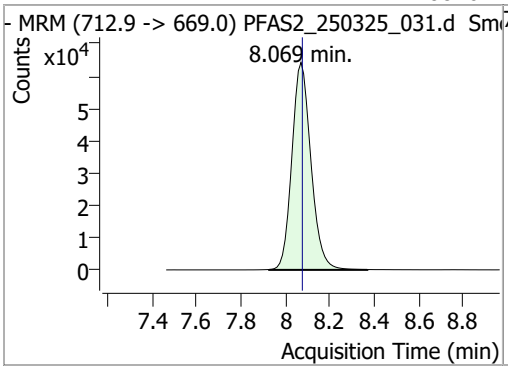
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	24.5654	7.77	0.01	511243	632.9 -> 452.9	36.2	23.0	42.7

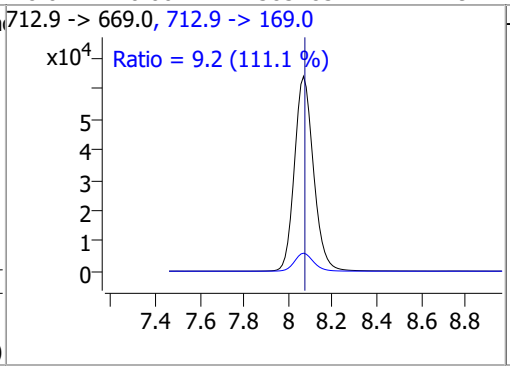


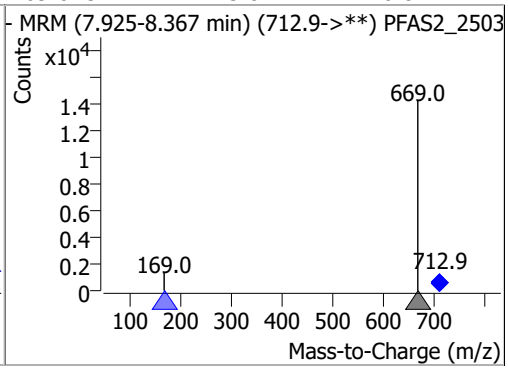
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3552	8.07	0.00	56505				



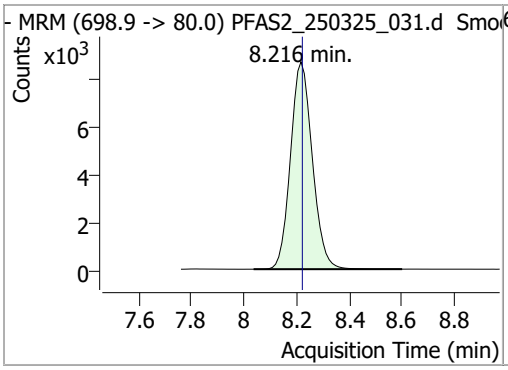
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	11.0826	8.07	0.00	383183	712.9 -> 169.0	9.2	5.8	10.8

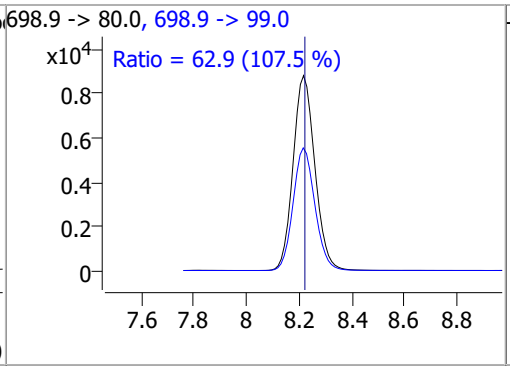


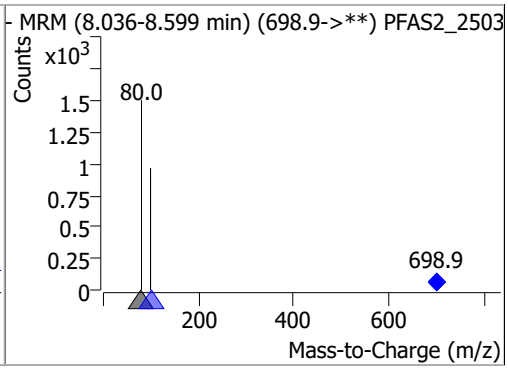




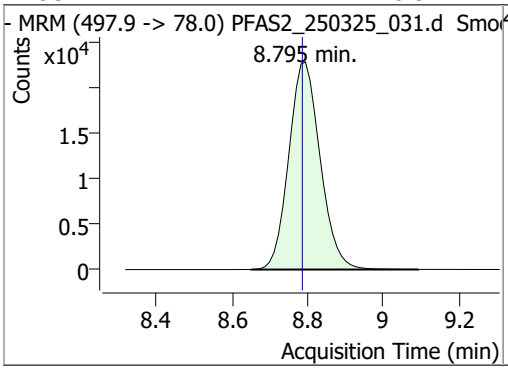
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	10.5650	8.22	0.00	50011	698.9 -> 99.0	62.9	41.0	76.1

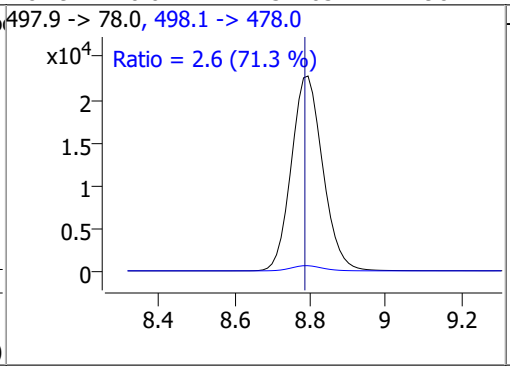


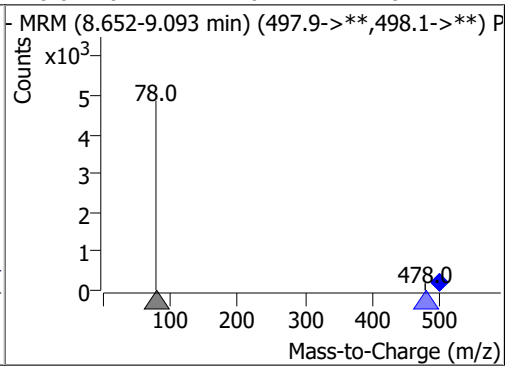




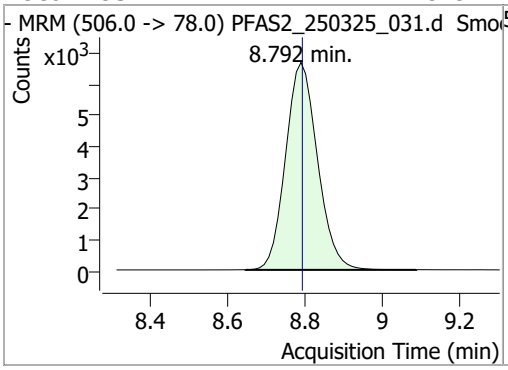
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.9112	8.79	0.01	131203	498.1 -> 478.0	2.6	2.6	4.8

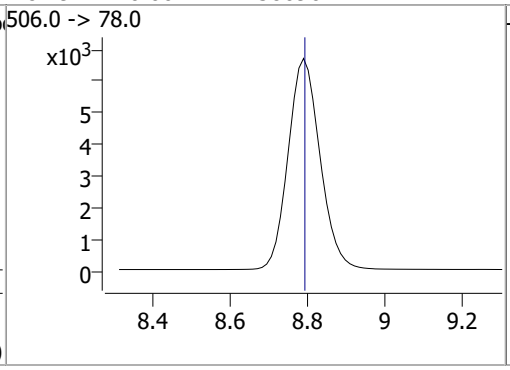


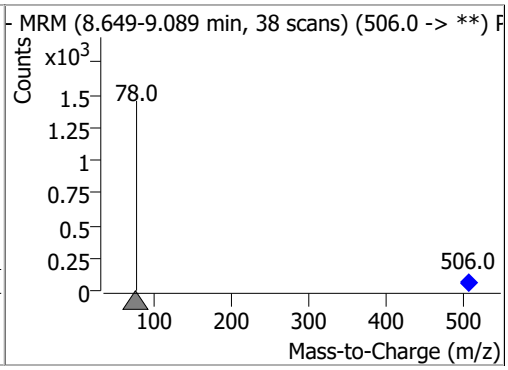




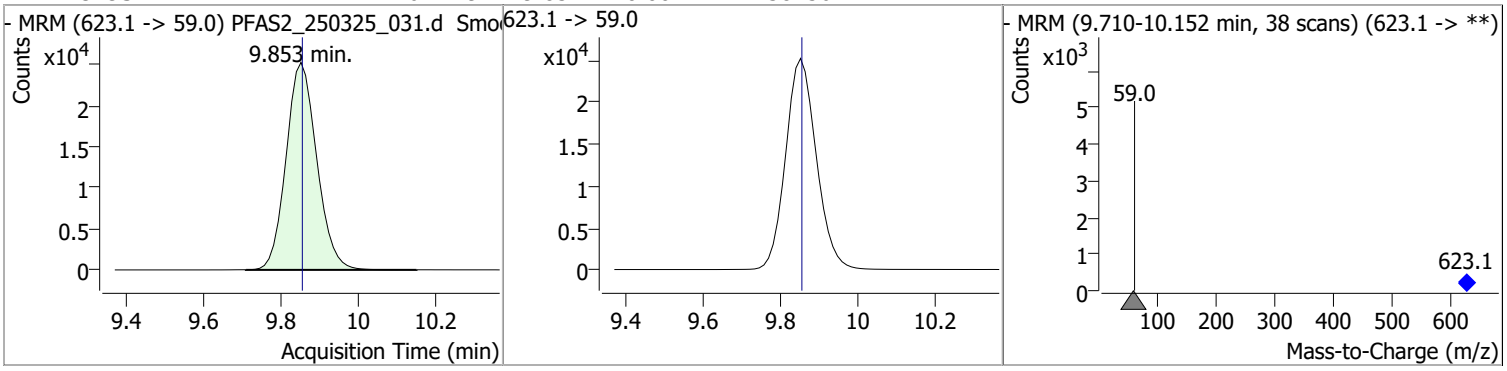
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4913	8.79	0.00	38090				



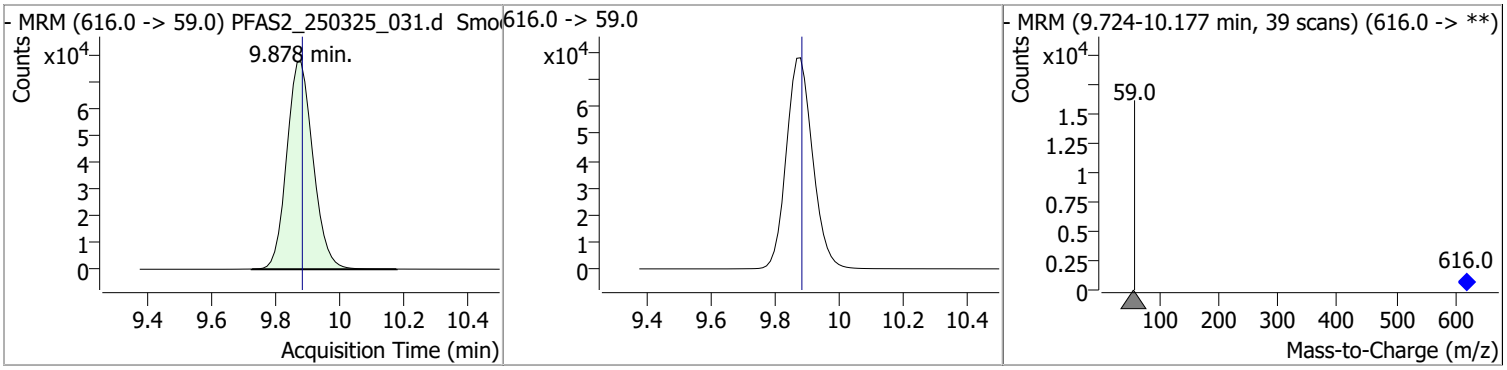




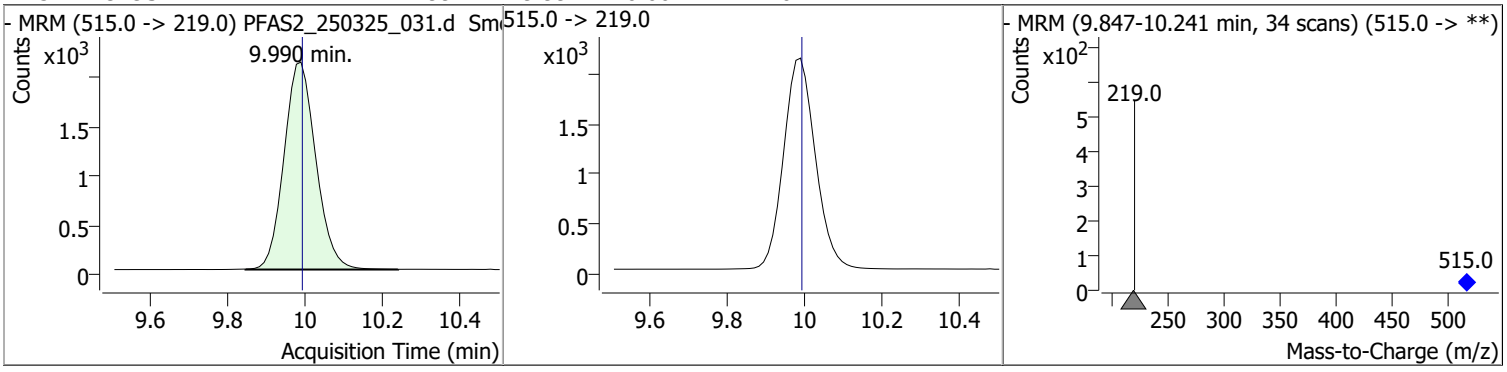
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	26.7149	9.85	0.00	138456				



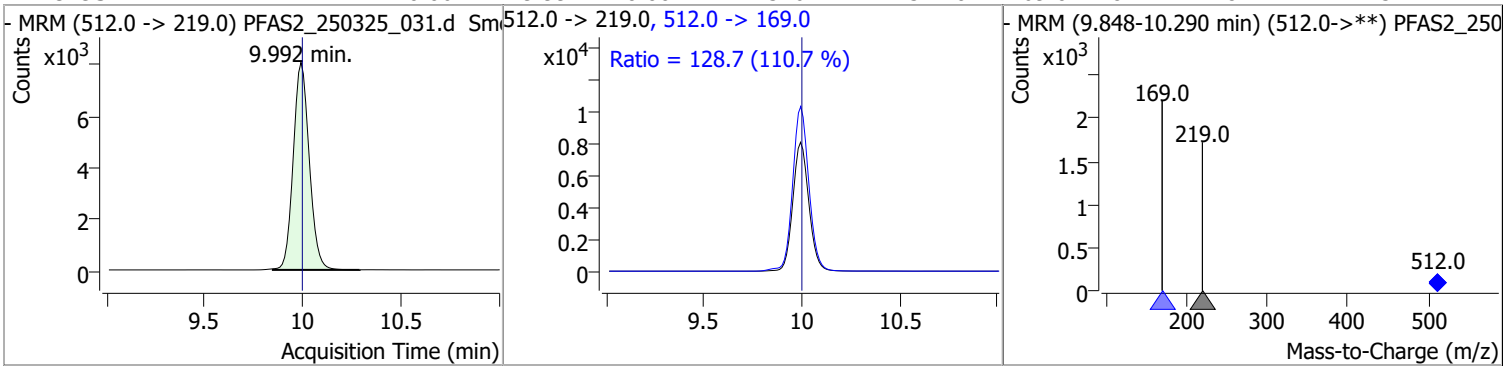
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	107.6057	9.88	0.00	445465				



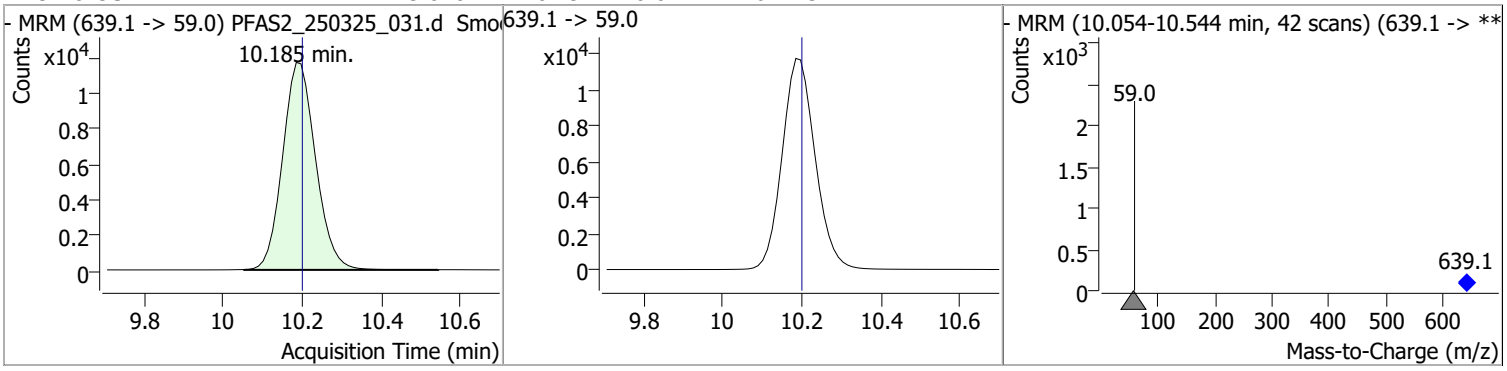
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7994	9.99	0.00	12011				



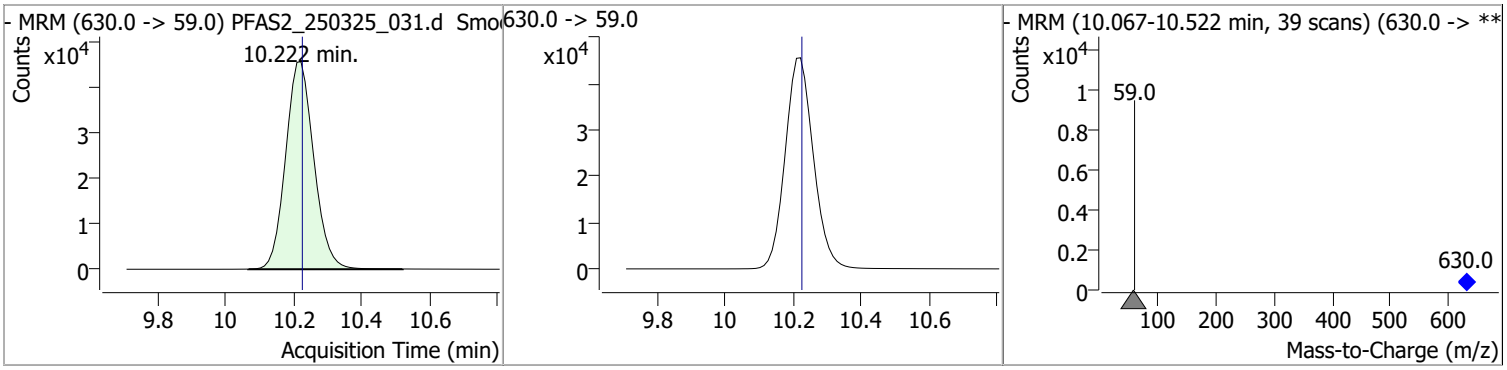
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	10.0644	9.99	0.00	45467	512.0 -> 169.0	128.7	81.4	151.2



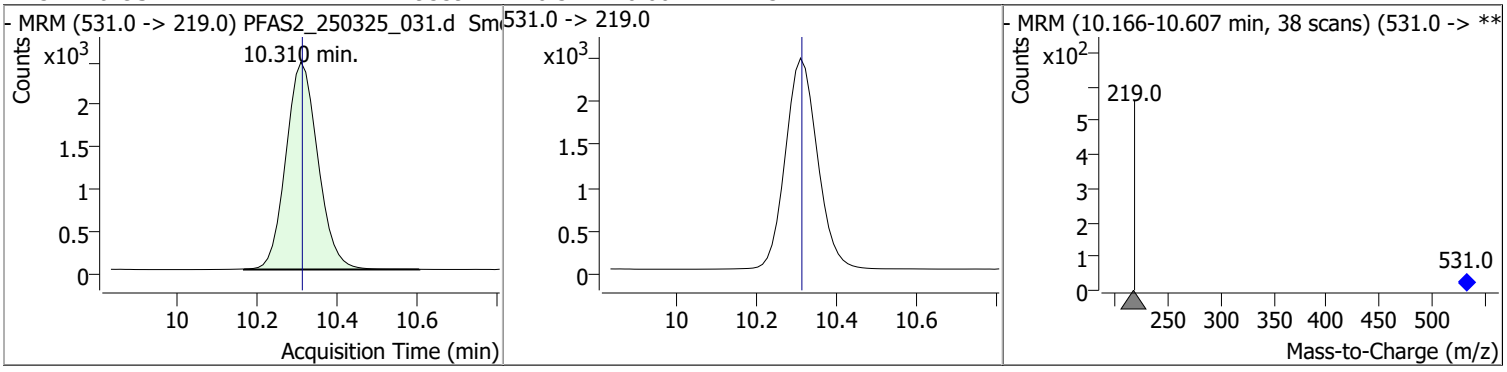
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.8184	10.19	-0.01	67713				



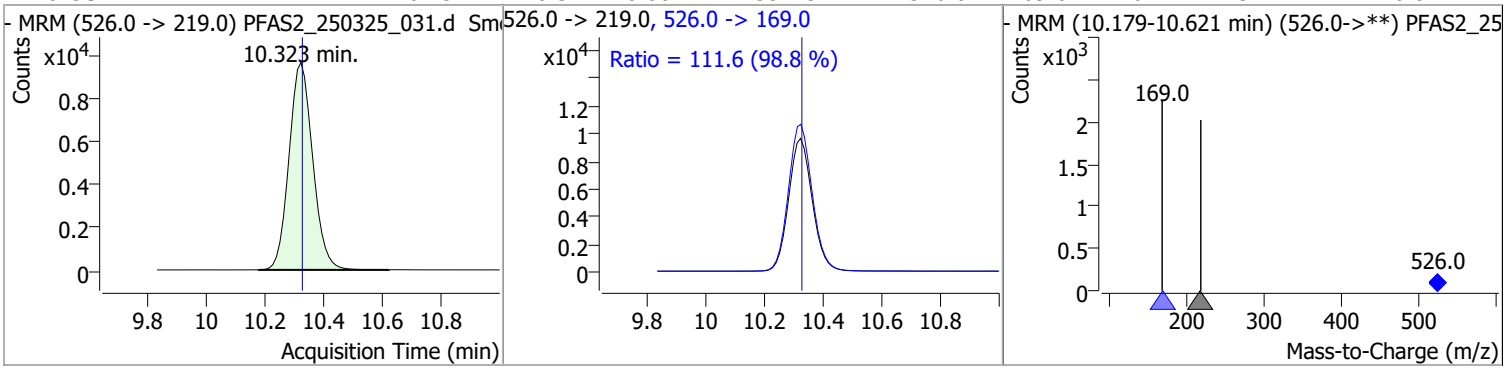
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	109.7174	10.22	0.00	263307				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.9559	10.31	0.00	13714				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	10.1574	10.32	0.00	53729	526.0 -> 169.0	111.6	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_006.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-LCV1 ( )	Injection Time:	15:18

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
PFBA	0.800	0.83		28201.25			30
PFPeA	0.400	0.41		40433.575			30
PFHxA	0.200	0.20		66571			30
PFHpA	0.200	0.21		76746.5			30
PFOA	0.200	0.22		71390.1			30
PFNA	0.200	0.19		58593.25			30
PFDA	0.200	0.19		55578.7			30
PFUnA	0.200	0.19		43842.335			30
PFDoA	0.200	0.20		36750.94			30
PFTrDA	0.200	0.19		40576.125			30
PFTeDA	0.200	0.20		36808.62			30
PFBS	0.177	0.18		0038.717514124			30
PFPeS	0.188	0.21		3335.031914893			30
PFHxS	0.183	0.19		6055.601092896			30
PFHpS	0.191	0.18		11884.664921466			30
PFOS	0.186	0.22		2510.537634408			30
PFNS	0.192	0.21		1010.416666666			30
PFDS	0.193	0.22		766.8393782383			30
PFDoS	0.194	0.22		984.5360824742			30
4:2FTS	0.750	0.77		8568.786666666			30
6:2FTS	0.760	0.84		1250.359046005			30
8:2FTS	0.768	0.83		5342.8828125			30
PFOSA	0.200	0.20		14006.085			30
NMeFOSA	0.200	0.19		4491.885			30
NEtFOSA	0.200	0.20		5338.005			30
NMeFOSAA	0.200	0.18		9766.455			30
NEtFOSAA	0.200	0.20		8872.765			30
NMeFOSE	2.00	2.01		4566.7725			30
NEtFOSE	2.00	2.02		2686.3365			30
HFPO-DA	0.400	0.43		19423.16			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_006.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-LCV1 ( )	Injection Time:	15:18

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	0.378	0.41		11140.63492063			30
9CL-PF3ONS	0.374	0.43		3273.181818181			30
11CL-PF3OUdS	0.378	0.42		0417.116402116			30
3:3FTCA	0.800	0.62		640.2035			30
5:3FTCA	4.00	3.51		4293.56			30
7:3FTCA	4.00	4.04		3700.4325			30
PFEESA	0.356	0.41		5605.926966292			30
PFMPA	0.400	0.41		19545.6925			30
PFMBA	0.400	0.40		29921.6			30
NFDHA	0.400	0.36		1224.55275			30
13C4-PFBA	10.0	9.99		.1356319514526			30
13C5-PFPeA	5.00	5.04		68034972745042			30
13C5-PFHxA	2.50	2.51		.1032127975466			30
13C4-PFHpA	2.50	2.51		.2359176785161			30
13C8-PFOA	2.50	2.51		1.203522740133			30
13C9-PFNA	1.25	1.30		1.0314955050597			30
13C6-PFDA	1.25	1.27		.0300218709631			30
13C7-PFUnA	1.25	1.34		8610126263765			30
13C2-PFDoA	1.25	1.39		6633461294607			30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.40		7374604781333			30
13C2-PFTeDA	1.25	1.40		.81157495731651			30
13C3-PFBS	2.50	2.66		.1813876967312			30
13C3-PFHxS	2.50	2.50		.1805120731524			30
13C8-PFOS	2.50	2.53		.0249600213491			30
13C2-4:2FTS	5.00	5.32		45198431755140			30
13C2-6:2FTS	5.00	5.07		.2522154942955			30
13C2-8:2FTS	5.00	4.52		18077582066986			30
13C8-PFOSA	2.50	2.36		1.401599758732			30
D3-NMeFOSA	2.50	2.52		4199593031290			30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS2	Calibration:	OC250106
Lab File ID:	PFAS2_250325_006.d	Calibration Date:	03/18/25 13:59
Sequence:	S25C0909	Injection Date:	03/25/25
Lab Sample ID:	S25C0909-LCV1 ( )	Injection Time:	15:18

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.55		45986545116137			30
D3-NMeFOSAA	5.00	4.93		.1070646649996			30
D5-NEtFOSAA	5.00	5.11		86595527701171			30
D7-NMeFOSE	25.0	25.0		50302060917320			30
D9-NEtFOSE	25.0	24.8		25343373891779			30
13C3-HFPO-DA	10.0	10.7		30548264951655			30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS2_250325_006.d	Operator	CP1
Acq. Method	1633_Agilent.m	Acq. Date-Time	3/25/2025 3:18:49 PM
Sample Name	SEQ-LCV	Instrument	PFAS2
Vial		Multiplier	1.00
DA Method File	PFAS2_250318A.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS2_250325.batch.bin	Last Calib Update	3/18/2025 7:59:06 PM
Ref Library			

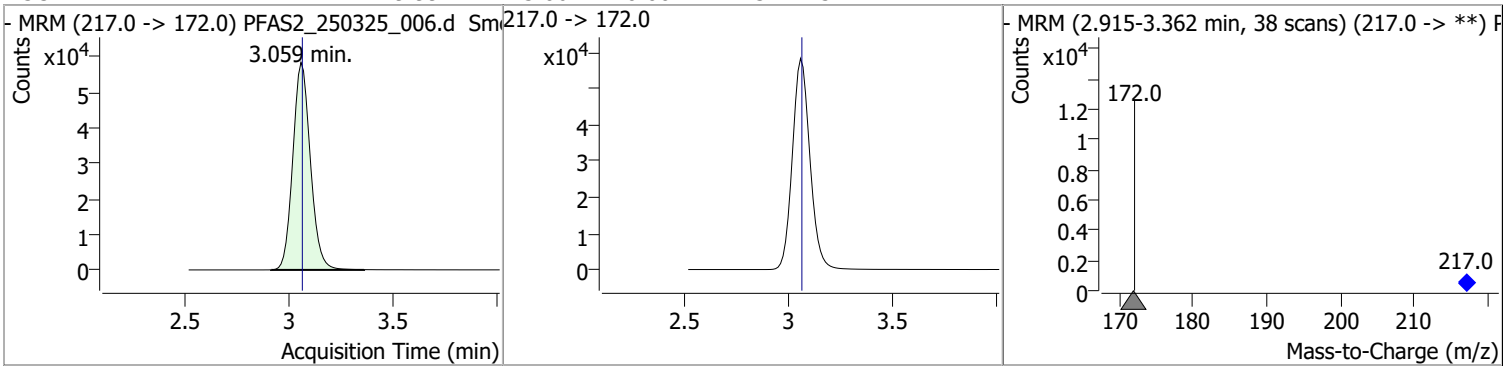
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.063	216.0 -> 172.0	150319	5.0000	µg/L		9.849
13C2-PFHxA	4.890	315.0 -> 270.0	168520	2.5000	µg/L		9.839
18O2-PFHxS	5.943	403.0 -> 84.0	33005	2.5000	µg/L		11.391
13C4-PFOA	5.810	417.0 -> 172.0	17054	2.5000	µg/L		10.395
13C5-PFNA	6.201	468.0 -> 423.0	81008	1.2500	µg/L		13.819
13C2-PFDA	6.592	515.0 -> 470.0	76622	1.2500	µg/L		14.573
13C4-PFOS	6.748	503.0 -> 80.0	29378	2.5000	µg/L		17.941
System Monitoring Compounds							
13C4-PFBA	3.059	217.0 -> 172.0	341415	10.0000	µg/L		9.840
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.95%			
13C5-PFPeA	4.222	268.0 -> 223.0	229305	5.0000	µg/L		10.819
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.90%			
13C5-PFPeA	4.222	268.0 -> 223.0	229305	5.0000	µg/L		10.819
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.90%			
13C2-4-2 FTSA	4.697	329.0 -> 81.0	29836	5.0000	µg/L		18.092
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.45%			
13C5-PFHxA	4.889	318.0 -> 273.0	185913	2.5000	µg/L		10.109
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.22%			
13C5-PFHxA	4.889	318.0 -> 273.0	185913	2.5000	µg/L		10.109
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.22%			
13C3-PFBS	4.929	302.0 -> 80.0	71997	2.5000	µg/L		18.565
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.55%			
13C3-HFPO-DA	5.074	287.0 -> 169.0	205919	10.0000	µg/L		17.823
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 107.26%			
13C4-PFHpA	5.385	367.0 -> 322.0	208277	2.5000	µg/L		10.265
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.42%			
13C3-PFHxS	5.944	402.0 -> 80.0	38963	2.5000	µg/L		11.486
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.11%			
13C2-6-2 FTSA	5.630	429.0 -> 81.0	16649	5.0000	µg/L	#	12.731
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.31%			
13C8-PFOA	5.809	421.0 -> 376.0	191062	2.5000	µg/L		10.607
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.21%			
13C3-PFHxS	5.944	402.0 -> 80.0	38963	2.5000	µg/L		11.486
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.11%			
13C9-PFNA	6.201	472.0 -> 427.0	83559	1.2500	µg/L		18.584
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.14%			
13C8-PFOS	6.747	507.0 -> 80.0	30111	2.5000	µg/L		19.095
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.02%			
13C2-8-2 FTSA	6.400	529.0 -> 81.0	11933	5.0000	µg/L	#	0.738
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 90.32%			
13C6-PFDA	6.591	519.0 -> 474.0	78922	1.2500	µg/L		16.131
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.26%			
2H3-N-MeFOSAA	6.729	573.0 -> 419.0	65047	5.0000	µg/L		16.533
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.69%			
13C8-PFOS	6.747	507.0 -> 80.0	30111	2.5000	µg/L		19.095

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.02%			
2H5-N-EtFOSAA	6.929	589.0 -> 419.0	50880	5.0000	µg/L		20.657
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.25%			
13C7-PFUnDA	6.966	570.0 -> 525.0	65973	1.2500	µg/L		23.077
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 107.41%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	7.700	615.0 -> 570.0	56506	1.2500	µg/L		28.087
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 111.61%			
13C2-PFDoDA	7.332	615.0 -> 570.0	50827	1.2500	µg/L		27.242
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 111.07%			
13C2-PFTDA	8.068	715.0 -> 670.0	62185	1.2500	µg/L		28.787
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 112.06%			
13C8-PFOSA	8.792	506.0 -> 78.0	41176	2.5000	µg/L		11.405
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.27%			
13C8-PFOSA	8.792	506.0 -> 78.0	41176	2.5000	µg/L		11.405
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.27%			
2H7-MeFOSE	9.853	623.1 -> 59.0	147778	25.0000	µg/L		17.617
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.80%			
2H3-N-MeFOSA	9.990	515.0 -> 219.0	12338	2.5000	µg/L		18.983
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.65%			
2H9-EtFOSE	10.197	639.1 -> 59.0	74454	25.0000	µg/L		17.234
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.36%			
2H5-N-EtFOSA	10.310	531.0 -> 219.0	13510	2.5000	µg/L		20.195
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.92%			
Target Compounds							QValue
PFBA	3.067	213.0 -> 169.0	22561	0.8338	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 104.22%			
PFMPA	3.602	229.0 -> 85.0	7818	0.4080	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.99%			
3-3 FTCA	3.778	241.0 -> 177.0	512	0.6169	µg/L		98
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 77.11%			
PFPeA	4.223	263.0 -> 219.0	16173	0.4052	µg/L	#	100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.31%			
PFMBA	4.453	279.0 -> 85.0	11969	0.4049	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.22%			
4-2 FTSA	4.698	327.0 -> 307.0	13927	0.7680	µg/L		99
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 102.40%			
NFDHA	4.823	295.0 -> 201.0	490	0.3582	µg/L		92
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 89.56%			
PFHxA	4.892	313.0 -> 269.0	13314	0.2001	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.07%			
PFBS	4.930	298.9 -> 80.0	5317	0.1780	µg/L		95
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 100.32%			
HFPO-DA	5.075	285.0 -> 169.0	7769	0.4253	µg/L		89
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 106.31%			
PFEESA	5.189	314.9 -> 135.0	34036	0.4091	µg/L		98
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 114.92%			
PFHpA	5.386	363.0 -> 319.0	15349	0.2117	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 105.83%			
5-3 FTCA	5.470	341.0 -> 237.0	17174	3.5134	µg/L		93
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 87.83%			
PFPeS	5.482	348.9 -> 80.0	4387	0.2085	µg/L		94
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 110.80%			
DONA	5.539	377.0 -> 251.0	42011	0.4123	µg/L		98
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 109.07%			

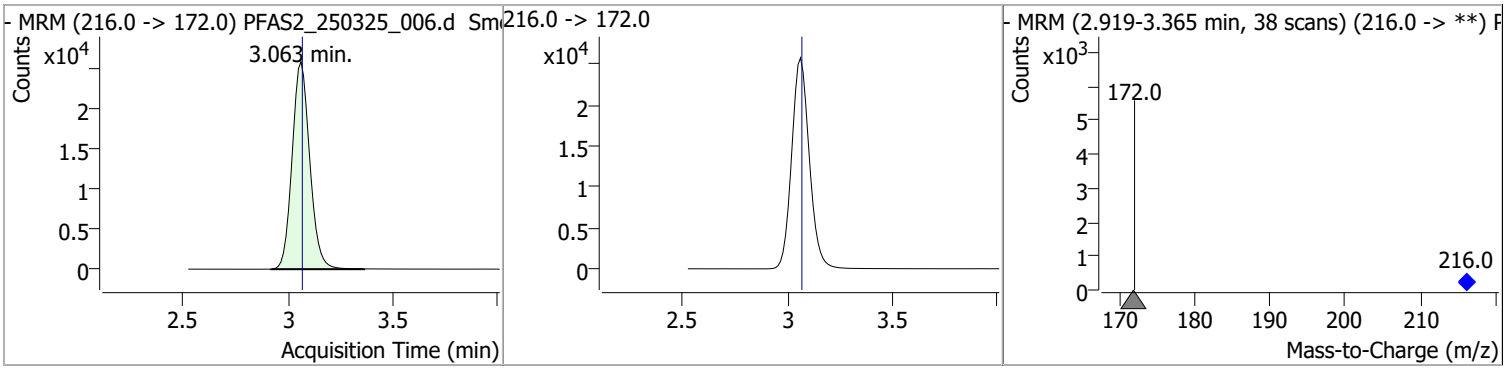
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
6-2 FTSA	5.631	427.0 -> 407.0	8550	0.8350	µg/L		89
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 109.87%			
PFOA	5.810	413.0 -> 369.0	14278	0.2247	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 112.36%			
PFHxS	5.945	398.9 -> 80.0	2938	0.1939	µg/L		90
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 106.06%			
PFNA	6.201	463.0 -> 419.0	11719	0.1864	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 93.20%			
PFHpS	6.358	448.9 -> 80.0	2270	0.1812	µg/L		92
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 95.09%			
8-2 FTSA	6.400	527.0 -> 507.0	4103	0.8259	µg/L	#	69
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 107.54%			
PFDA	6.592	513.0 -> 469.0	11116	0.1894	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 94.69%			
7-3 FTCA	6.609	441.0 -> 317.0	14802	4.0400	µg/L		95
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 101.00%			
N-MeFOSAA	6.730	570.0 -> 419.0	1953	0.1777	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 88.87%			
PFOS	6.748	498.9 -> 80.0	2327	0.2229	µg/L		86
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 120.11%			
N-EtFOSAA	6.941	584.0 -> 419.0	1775	0.1954	µg/L		89
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.70%			
PFUnDA	6.967	563.0 -> 519.0	8768	0.1917	µg/L		92
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 95.84%			
9Cl-PF3ONS	7.029	530.9 -> 350.9	23664	0.4272	µg/L		90
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 114.21%			
PFNS	7.135	548.9 -> 80.0	2114	0.2058	µg/L		98
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 106.97%			
PFDoDA	7.332	613.0 -> 569.0	7350	0.1973	µg/L		100
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.63%			
PFDS	7.502	598.9 -> 80.0	1692	0.2205	µg/L		97
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 114.23%			
PFTrDA	7.700	663.0 -> 619.0	8115	0.1906	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 95.30%			
11Cl-PF3OUdS	7.763	630.9 -> 450.9	11498	0.4215	µg/L		94
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 111.52%			
PFTDA	8.069	712.9 -> 669.0	7362	0.1991	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 99.53%			
PFDoS	8.216	698.9 -> 80.0	1161	0.2163	µg/L		99
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 111.51%			
PFOSA	8.783	497.9 -> 78.0	2801	0.1957	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 97.87%			
MeFOSE	9.878	616.0 -> 59.0	9134	2.0066	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.33%			
N-MeFOSA	9.992	512.0 -> 219.0	898	0.1936	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 96.80%			
EtFOSE	10.222	630.0 -> 59.0	5373	2.0188	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.94%			
N-EtFOSA	10.323	526.0 -> 219.0	1068	0.2049	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.44%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

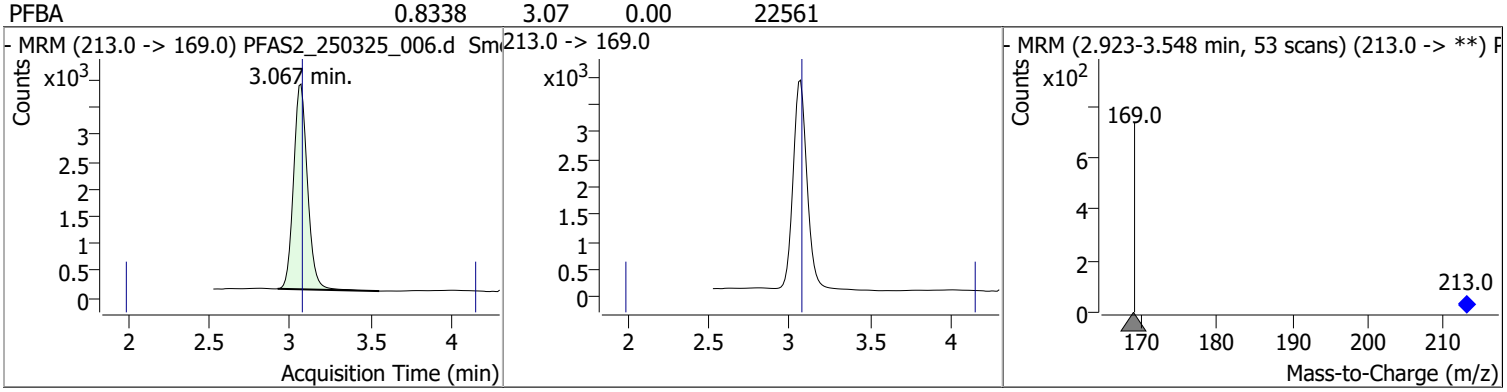
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9947	3.06	0.00	341415				



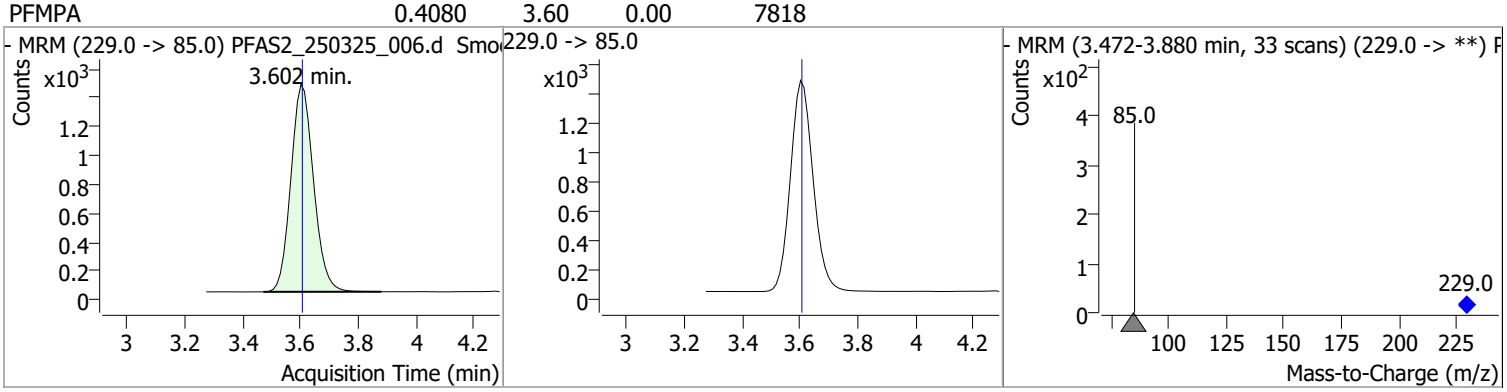
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.06	0.00	150319				



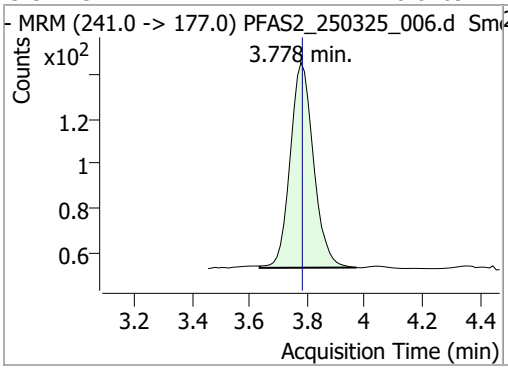
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8338	3.07	0.00	22561				

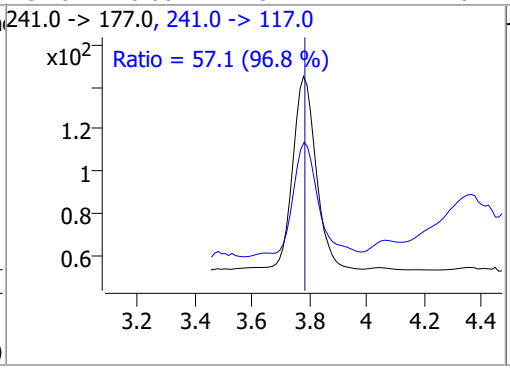


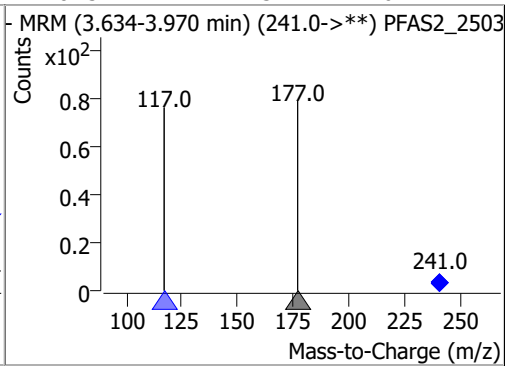
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4080	3.60	0.00	7818				



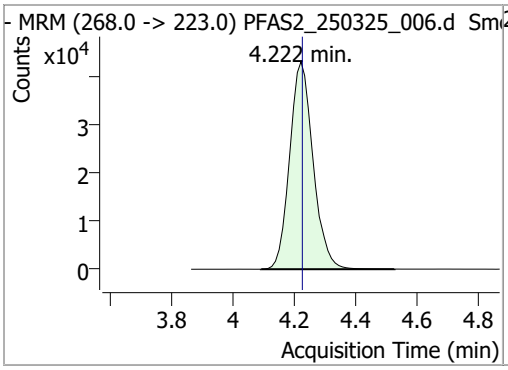
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.6169	3.78	0.00	512	241.0 -> 117.0	57.1	41.3	76.7

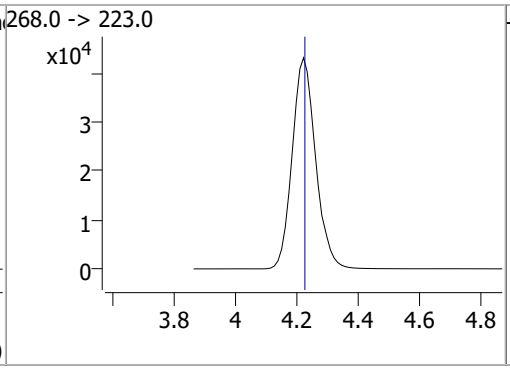


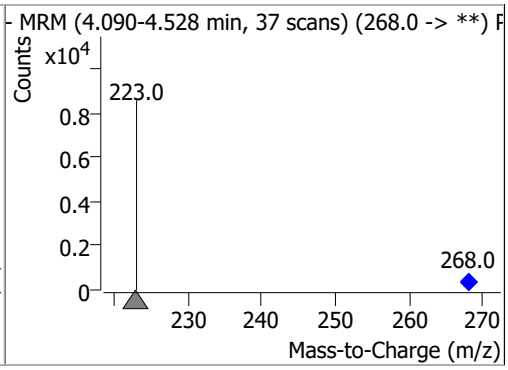




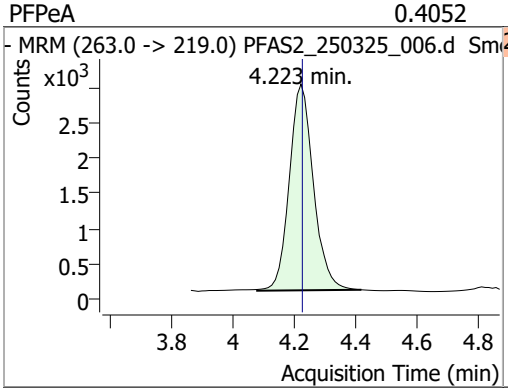
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0449	4.22	0.00	229305				

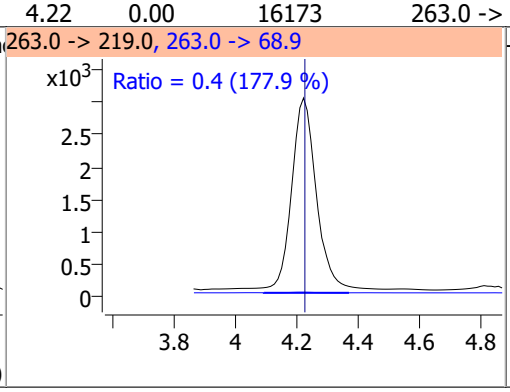


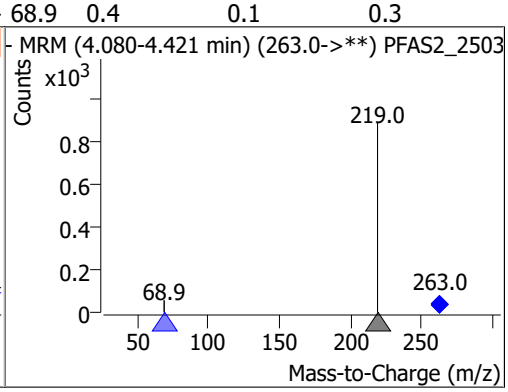




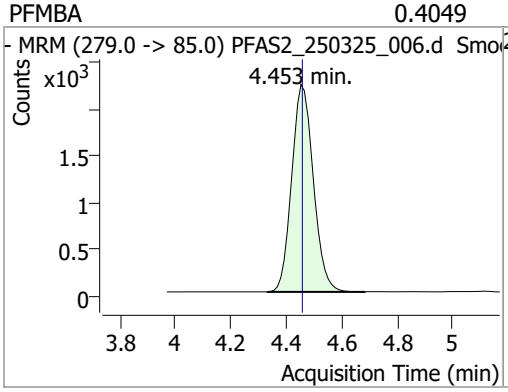
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4052	4.22	0.00	16173	263.0 -> 68.9	0.4	0.1	0.3

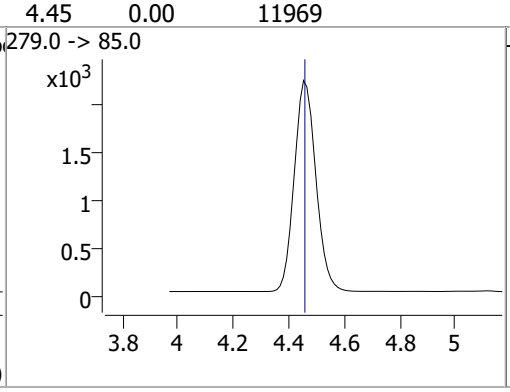


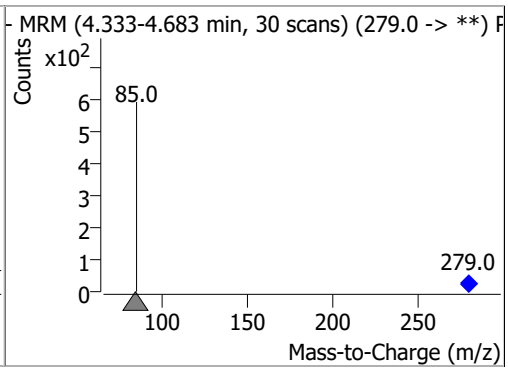




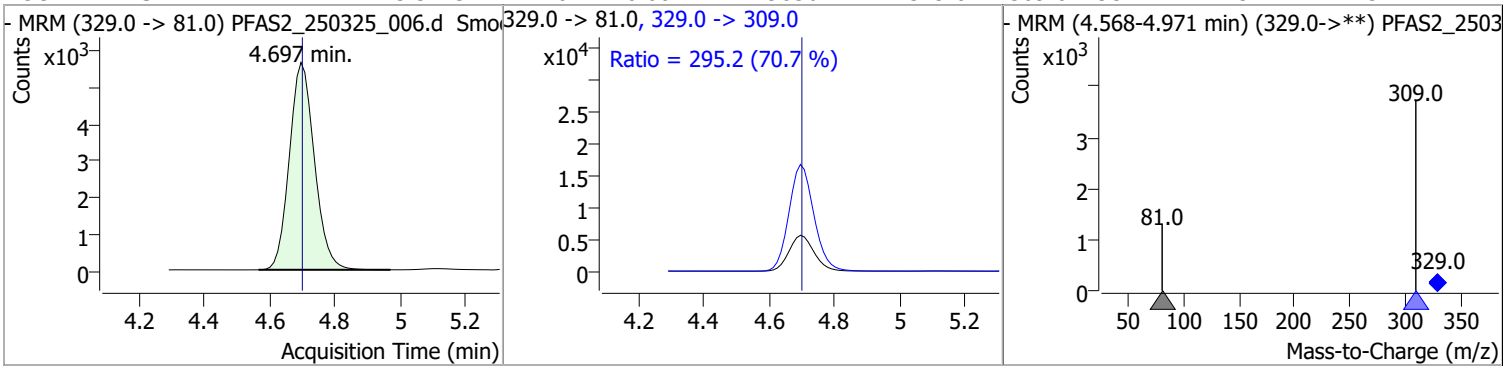
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4049	4.45	0.00	11969				



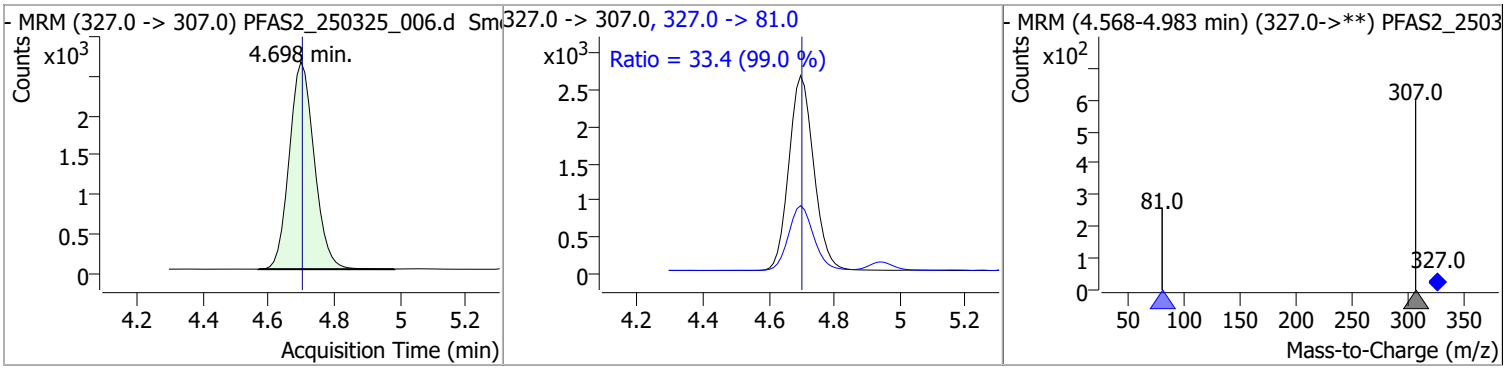




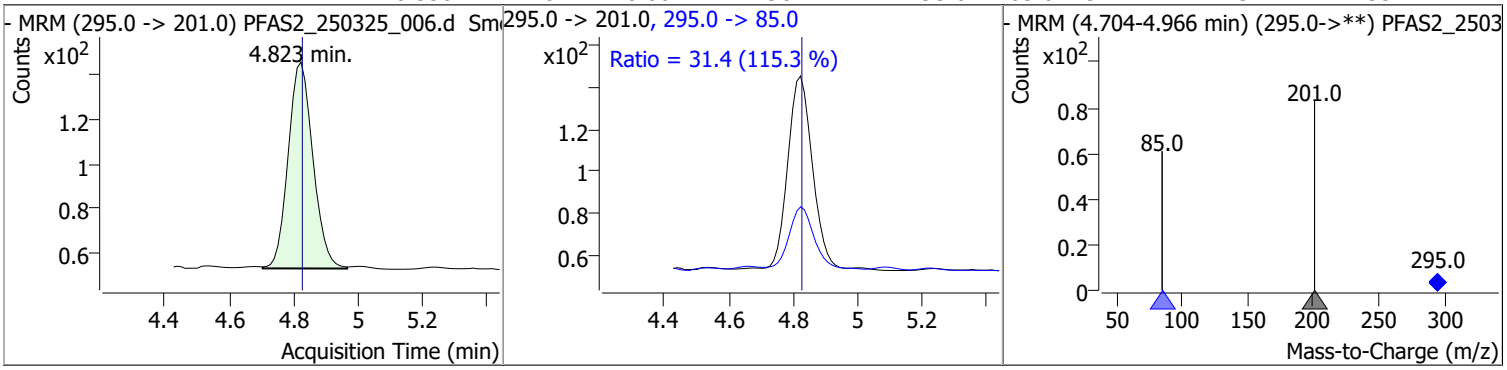
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3223	4.70	0.00	29836	329.0 -> 309.0	295.2	292.1	542.4



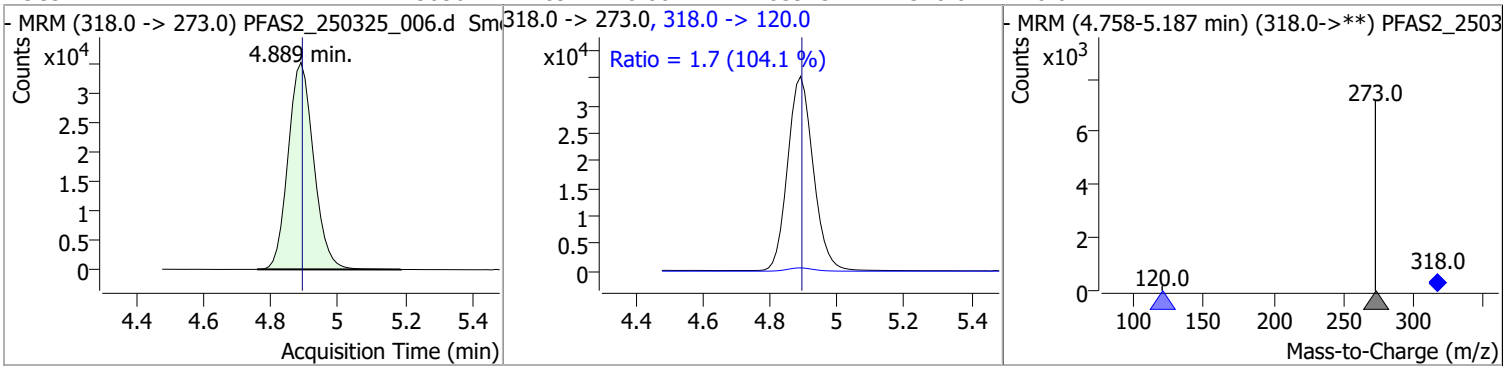
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7680	4.70	0.00	13927	327.0 -> 81.0	33.4	23.6	43.9



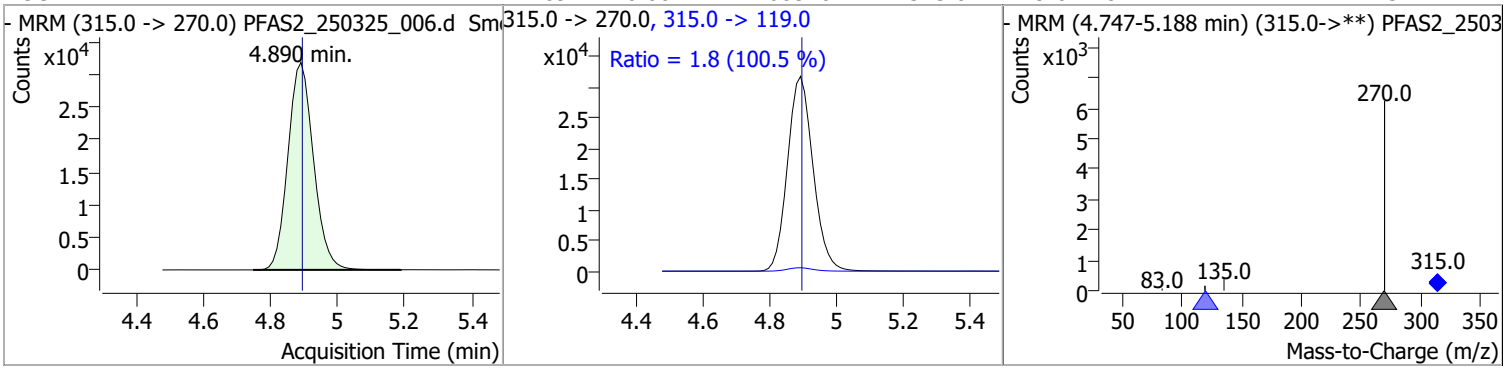
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.3582	4.82	0.00	490	295.0 -> 85.0	31.4	19.1	35.4



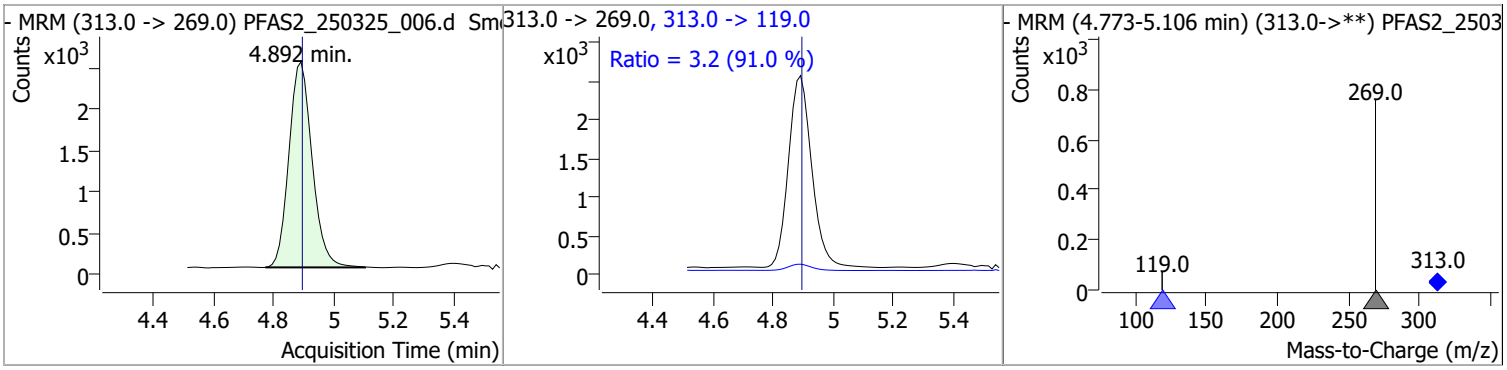
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5056	4.89	0.00	185913	318.0 -> 120.0	1.7	1.1	2.1



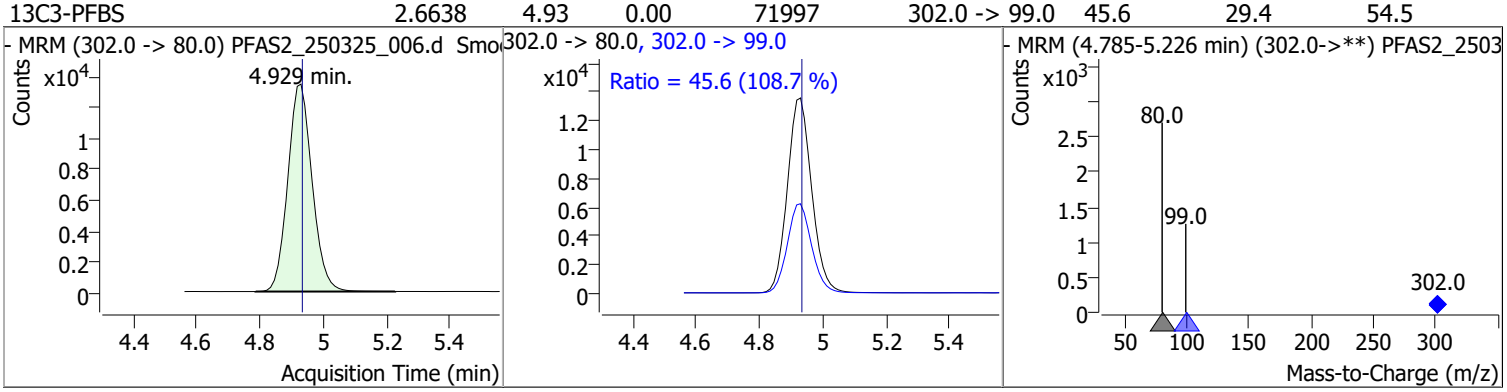
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		4.89	0.00	168520	315.0 -> 119.0	1.8	1.2	2.3



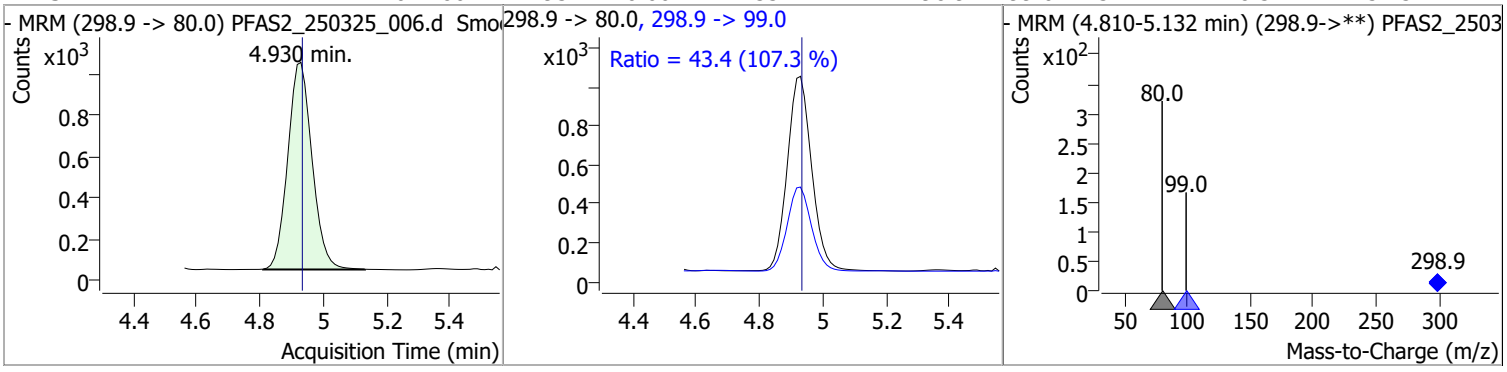
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2001	4.89	0.00	13314	313.0 -> 119.0	3.2	2.4	4.5



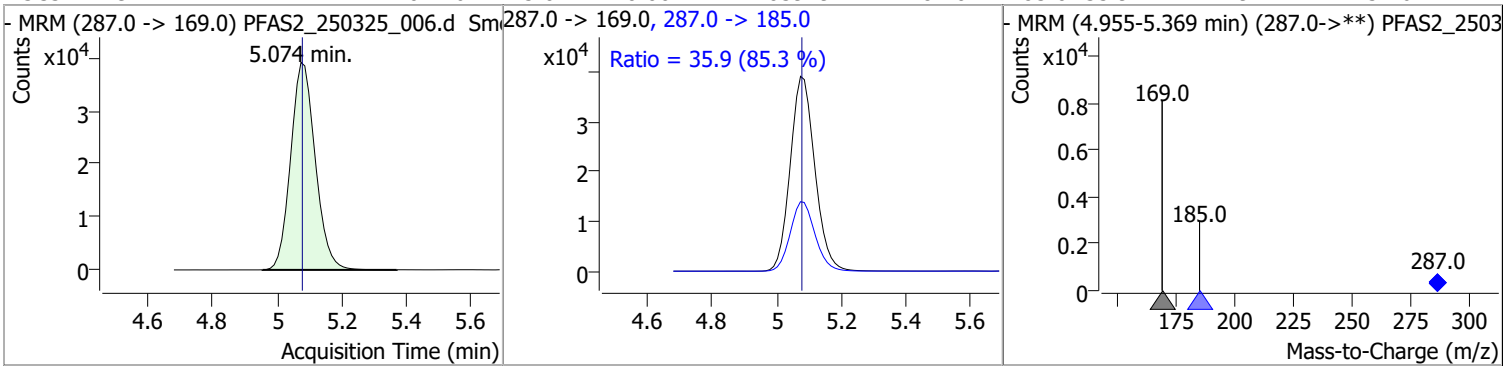
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6638	4.93	0.00	71997	302.0 -> 99.0	45.6	29.4	54.5



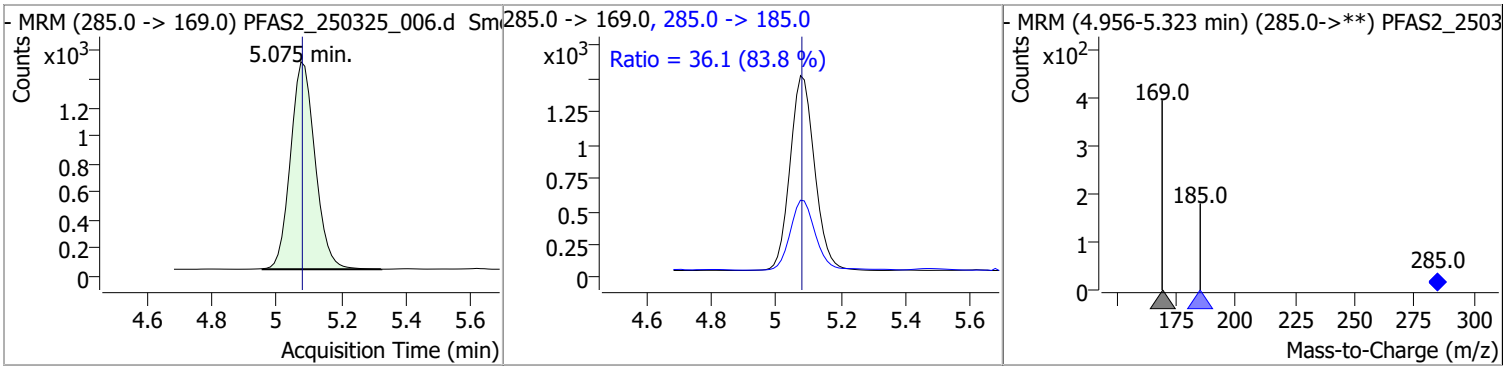
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1780	4.93	0.00	5317	298.9 -> 99.0	43.4	28.3	52.5



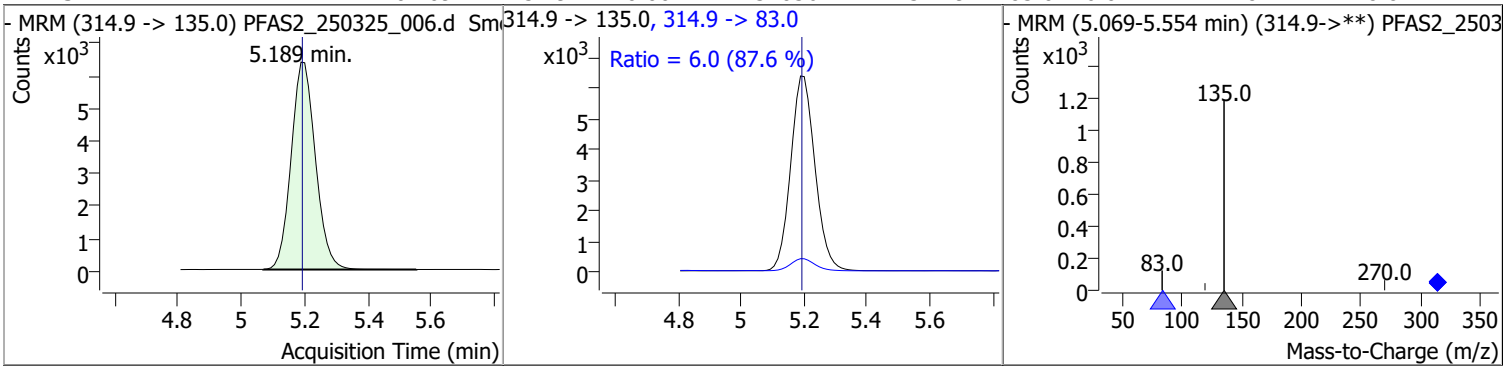
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.7264	5.07	0.00	205919	287.0 -> 185.0	35.9	29.4	54.6



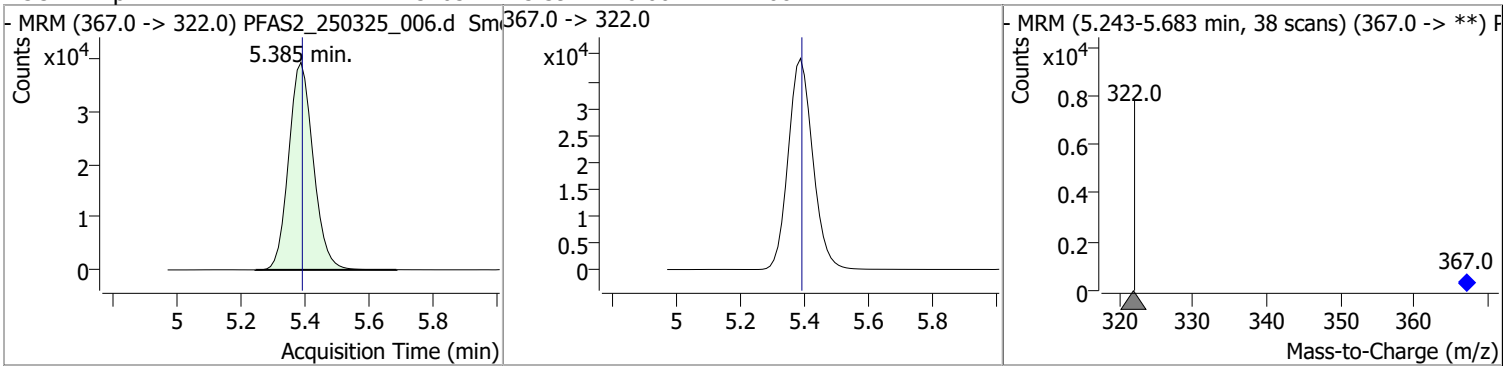
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.4253	5.07	0.00	7769	285.0 -> 185.0	36.1	30.1	56.0



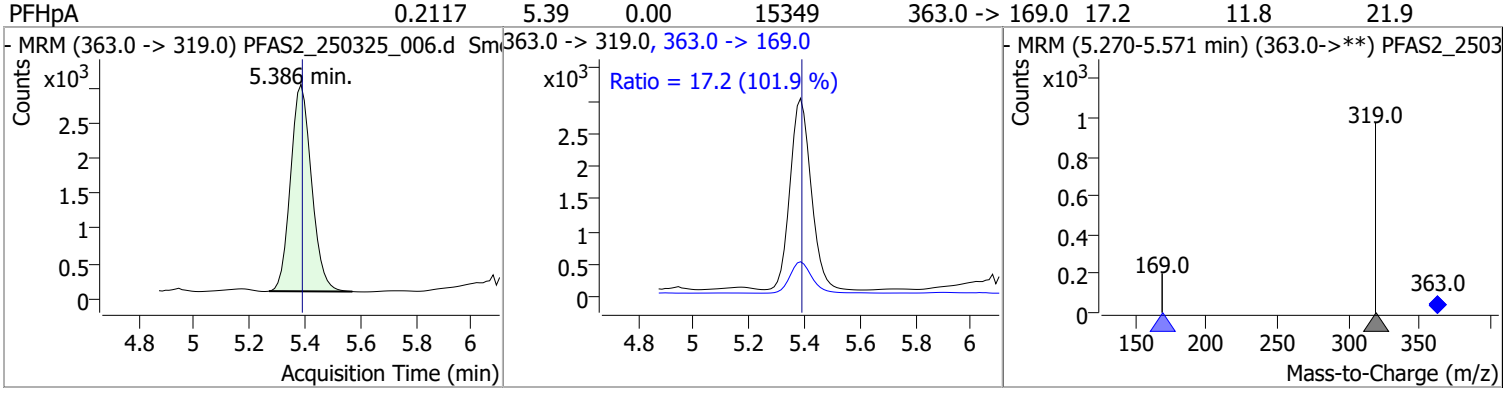
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.4091	5.19	0.00	34036	314.9 -> 83.0	6.0	4.8	8.8



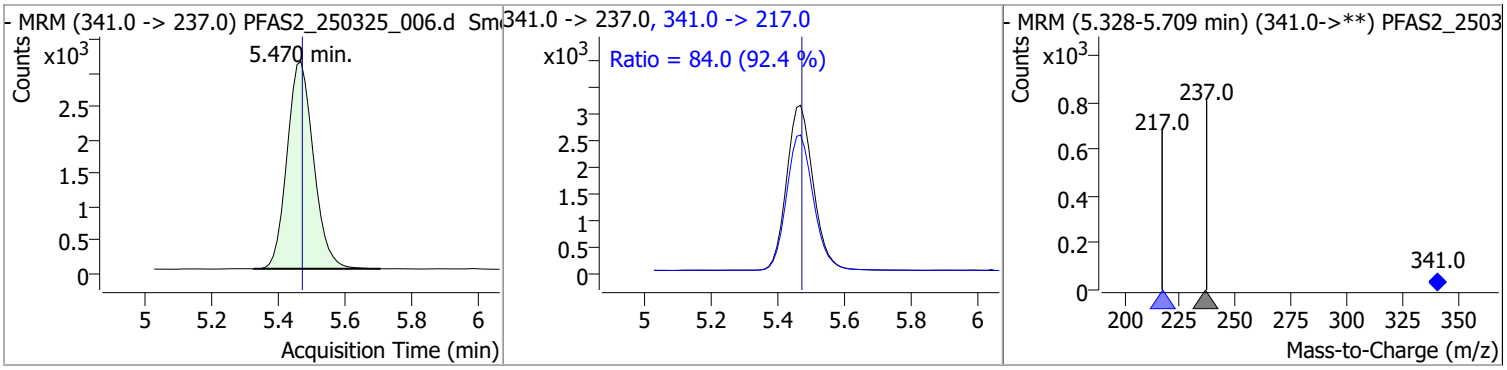
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5105	5.39	0.00	208277				



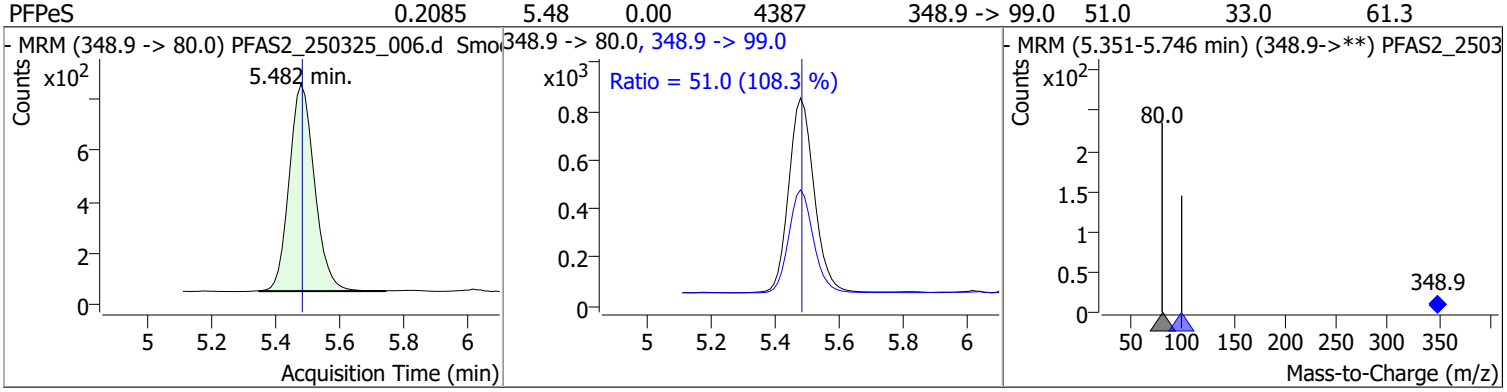
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2117	5.39	0.00	15349	363.0 -> 169.0	17.2	11.8	21.9



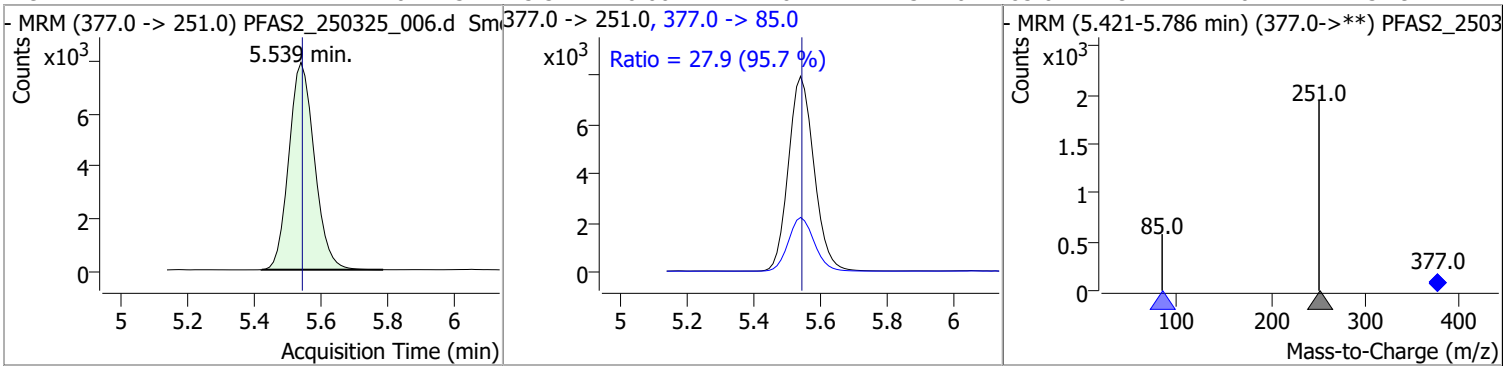
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	3.5134	5.47	0.00	17174	341.0 -> 217.0	84.0	63.6	118.1



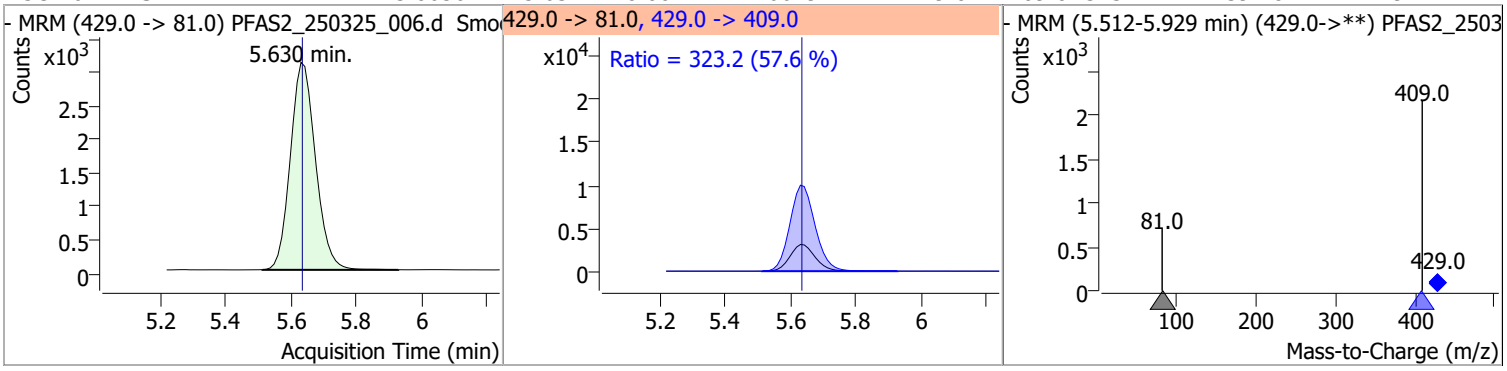
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.2085	5.48	0.00	4387	348.9 -> 99.0	51.0	33.0	61.3



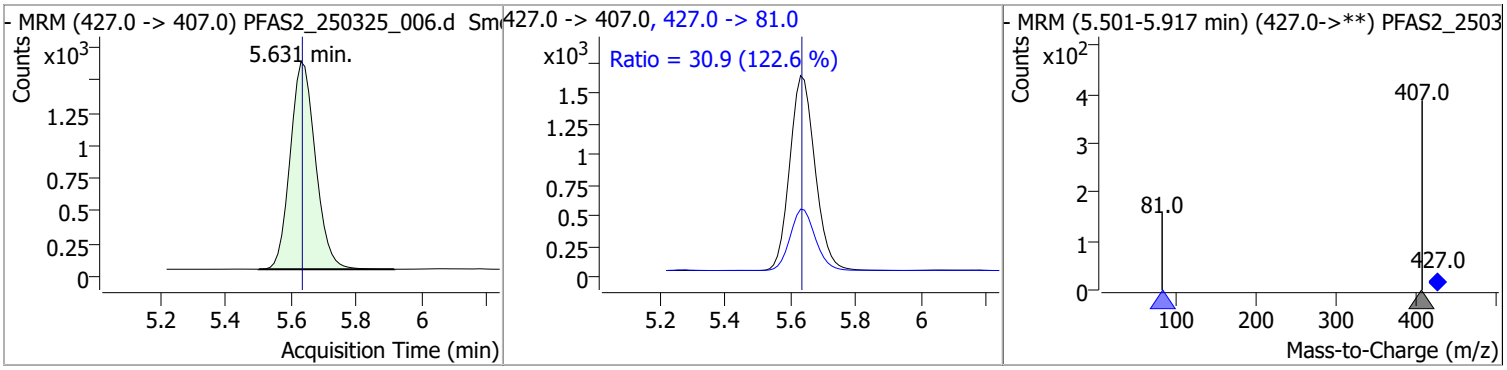
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.4123	5.54	0.00	42011	377.0 -> 85.0	27.9	20.4	37.9



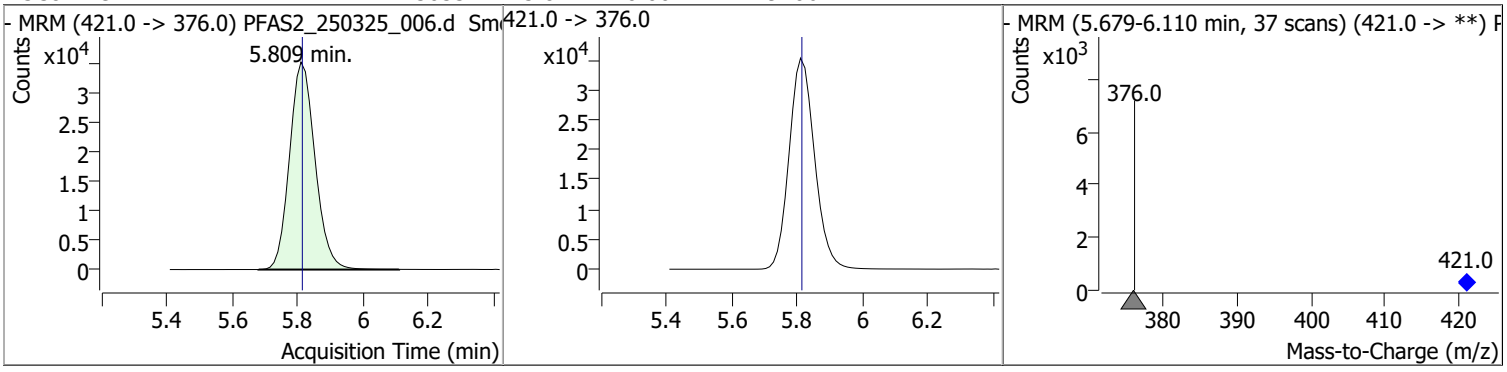
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.0656	5.63	0.00	16649	429.0 -> 409.0	323.2	392.8	729.4



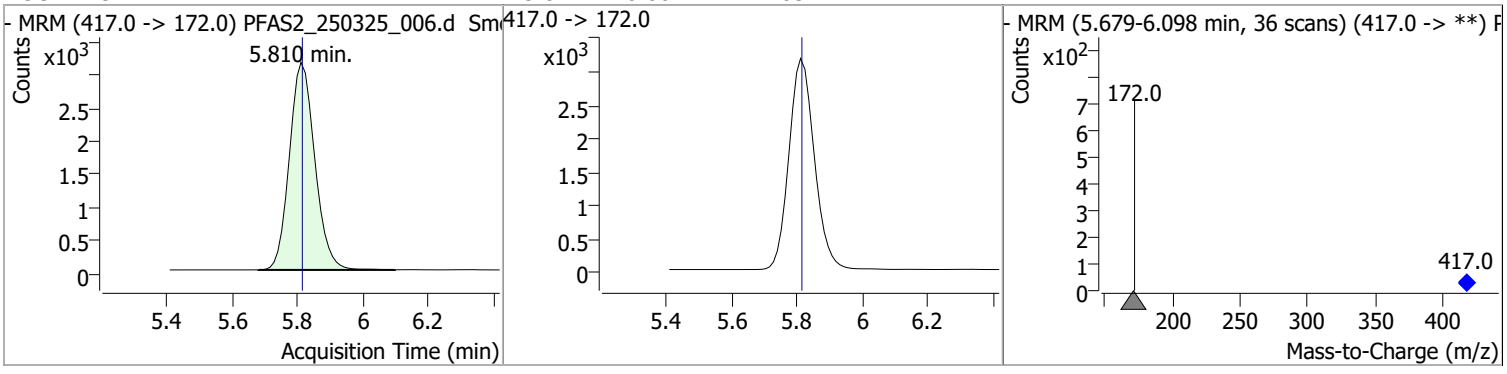
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.8350	5.63	0.00	8550	427.0 -> 81.0	30.9	17.7	32.8



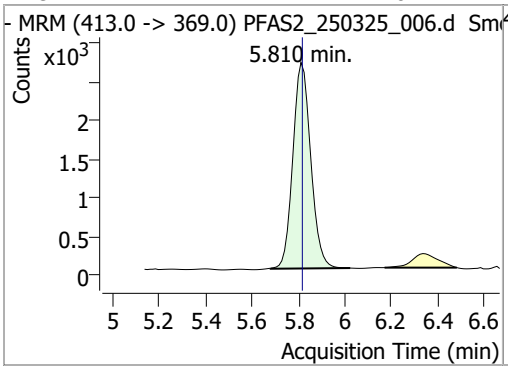
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5053	5.81	0.00	191062				

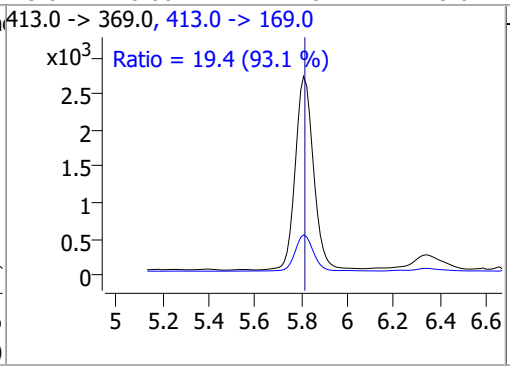


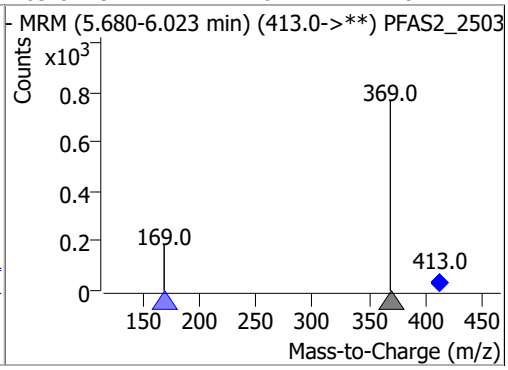
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		5.81	0.00	17054				



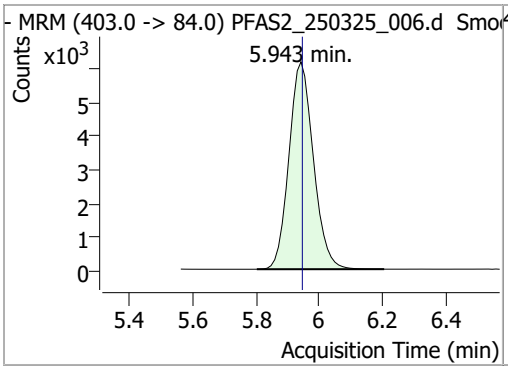
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2247	5.81	0.00	14278	413.0 -> 169.0	19.4	14.6	27.0

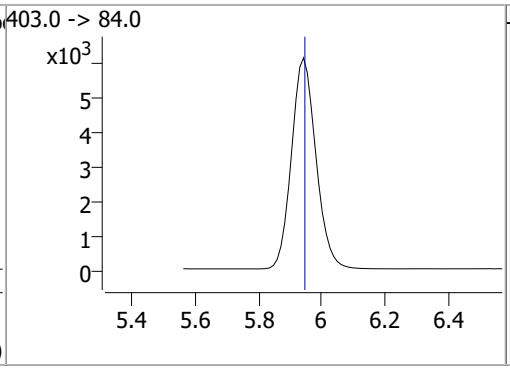


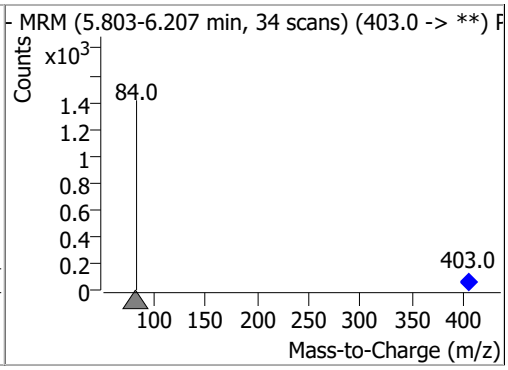




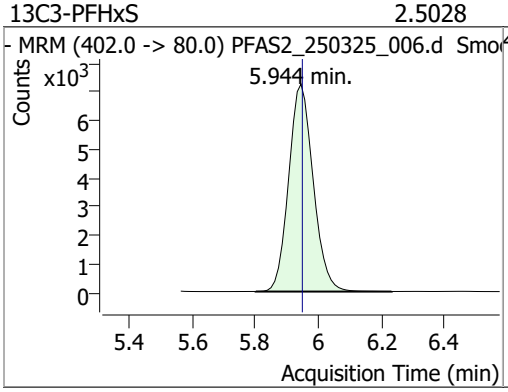
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		5.94	0.00	33005				

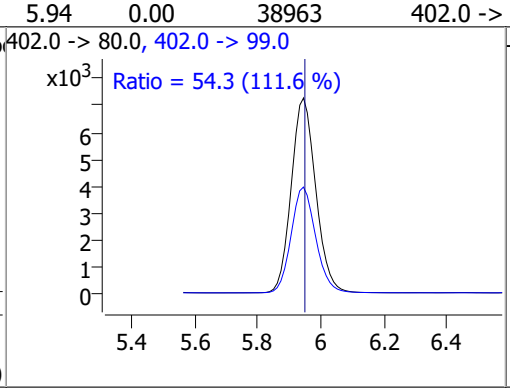


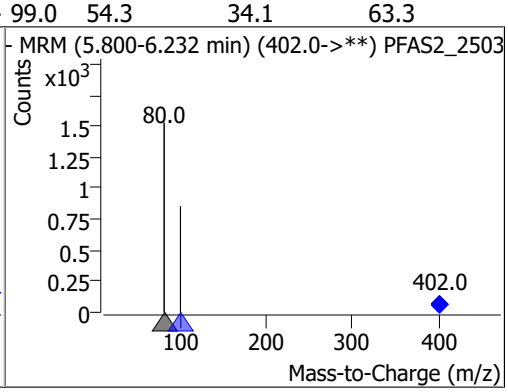




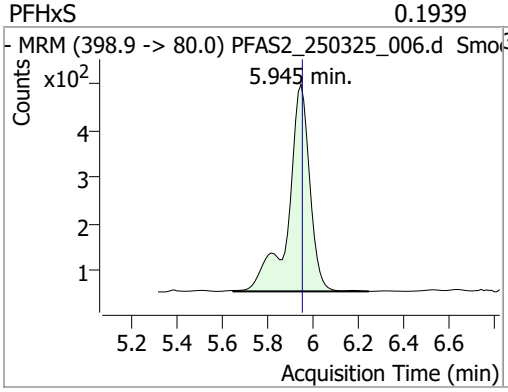
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5028	5.94	0.00	38963	402.0 -> 99.0	54.3	34.1	63.3

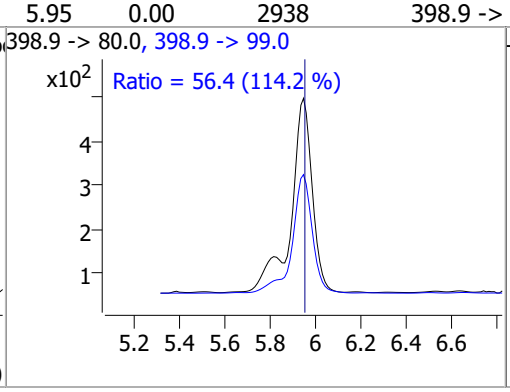


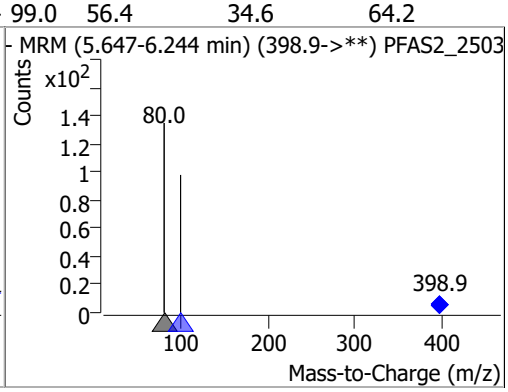




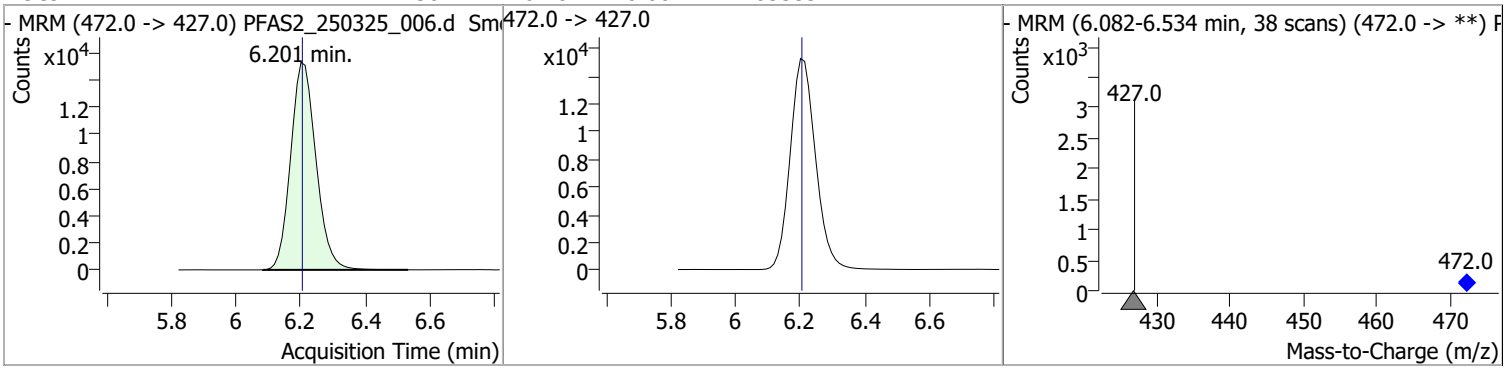
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1939	5.95	0.00	2938	398.9 -> 99.0	56.4	34.6	64.2



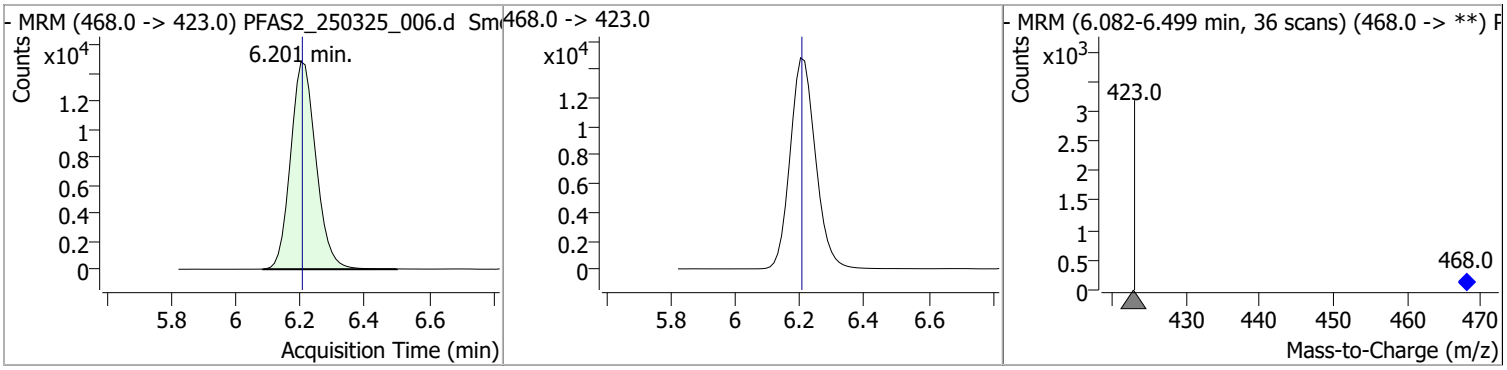




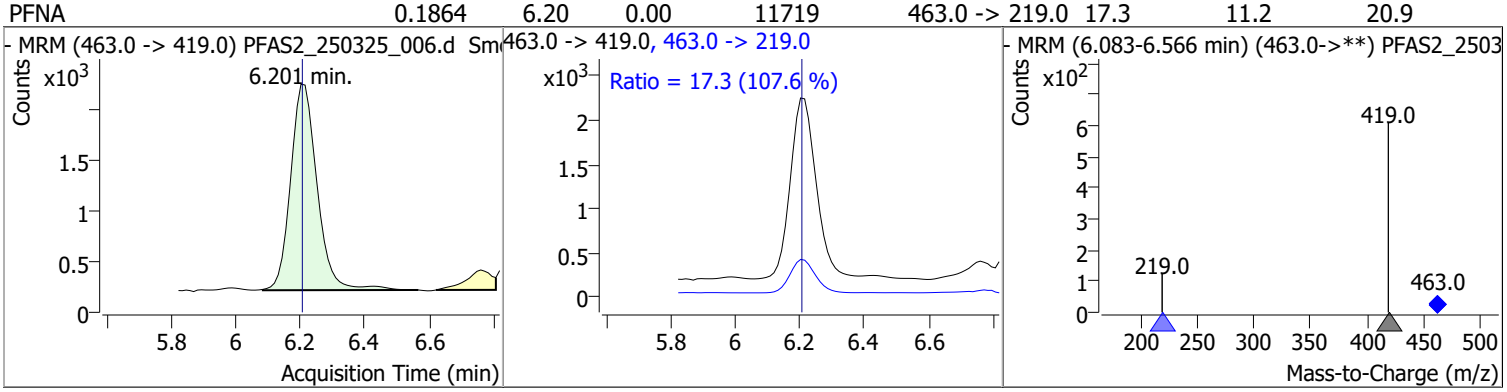
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.3017	6.20	0.00	83559				



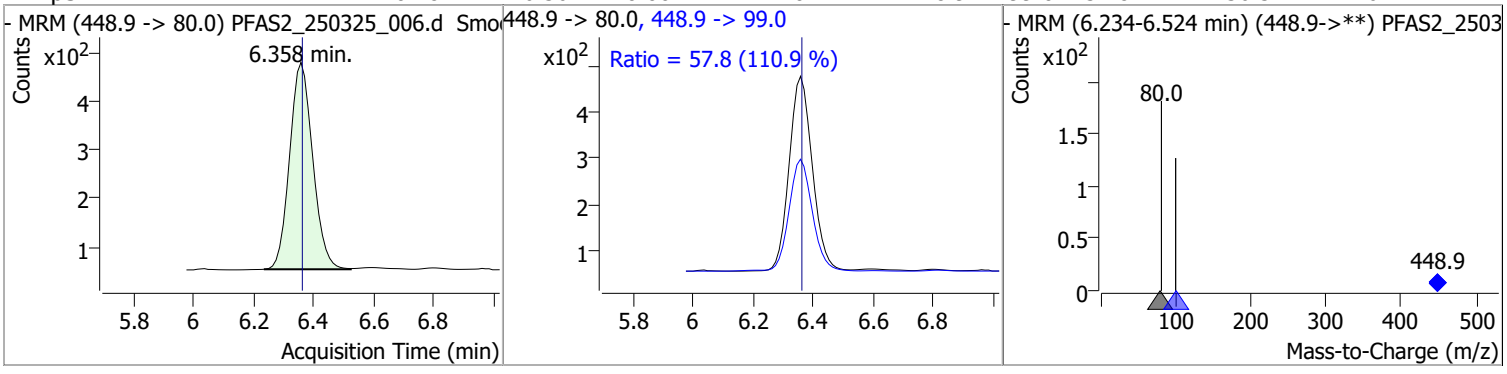
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		6.20	0.00	81008				



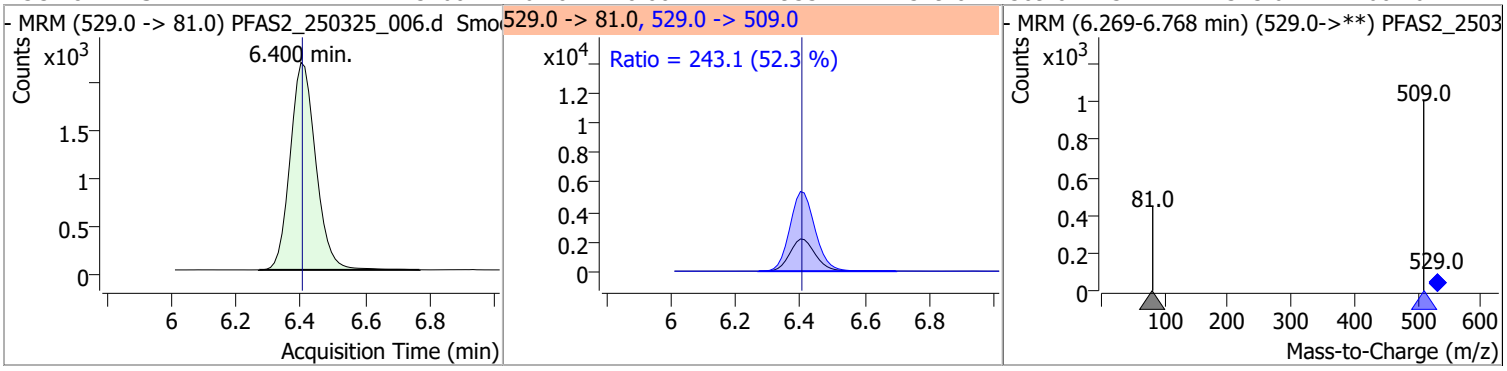
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.1864	6.20	0.00	11719	463.0 -> 219.0	17.3	11.2	20.9



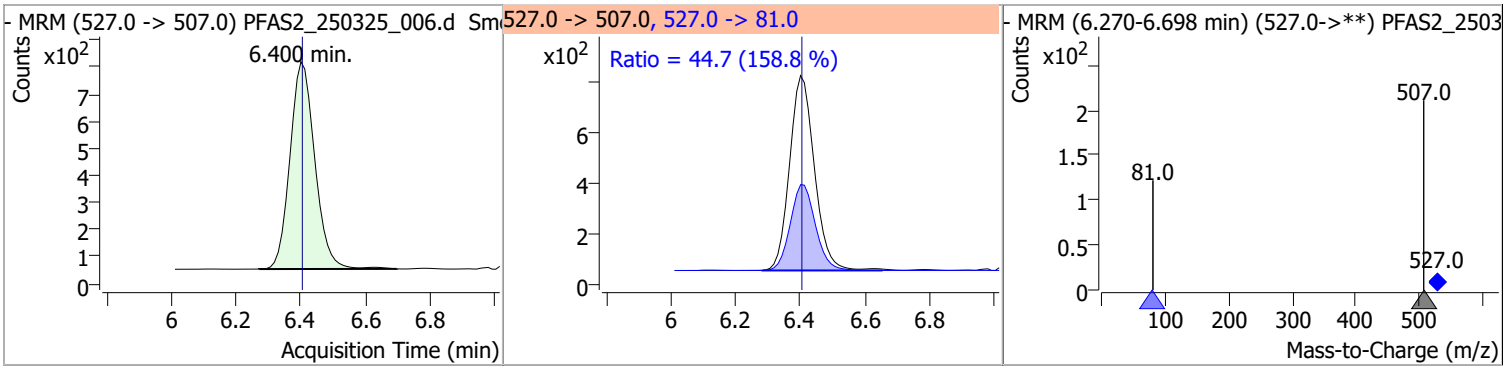
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1812	6.36	0.00	2270	448.9 -> 99.0	57.8	36.5	67.7



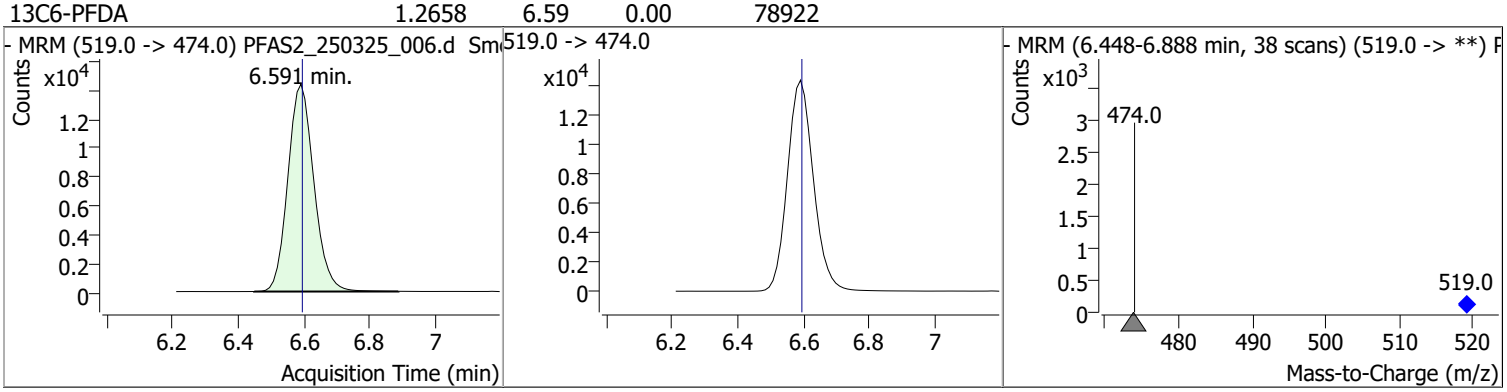
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.5160	6.40	0.00	11933	529.0 -> 509.0	243.1	325.6	604.6



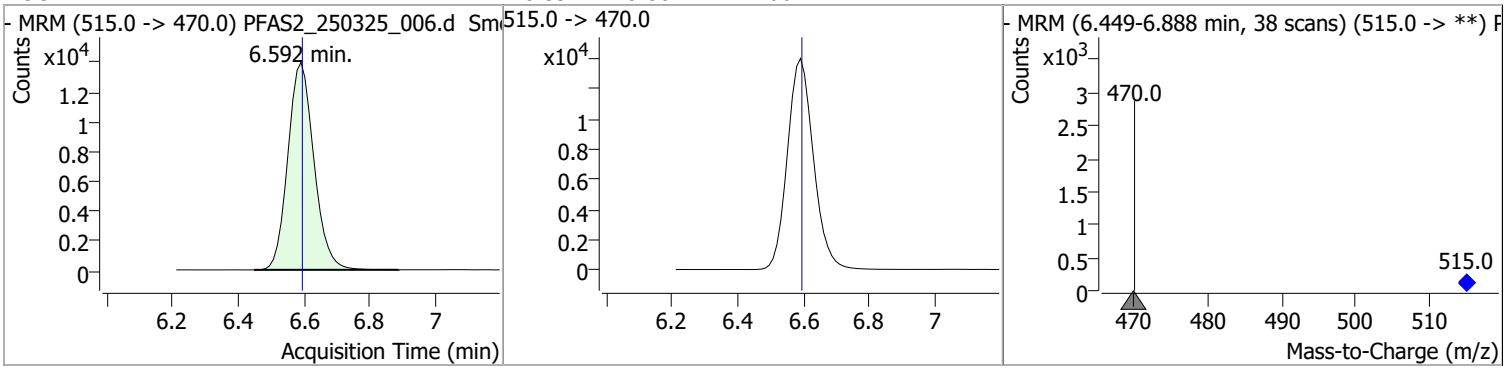
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.8259	6.40	0.00	4103	527.0 -> 81.0	44.7	19.7	36.6



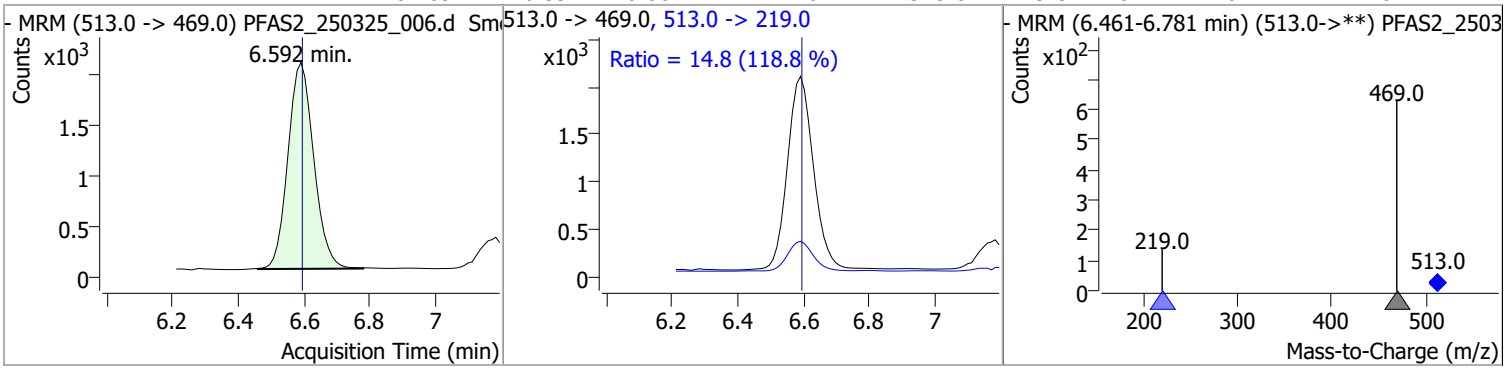
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2658	6.59	0.00	78922				



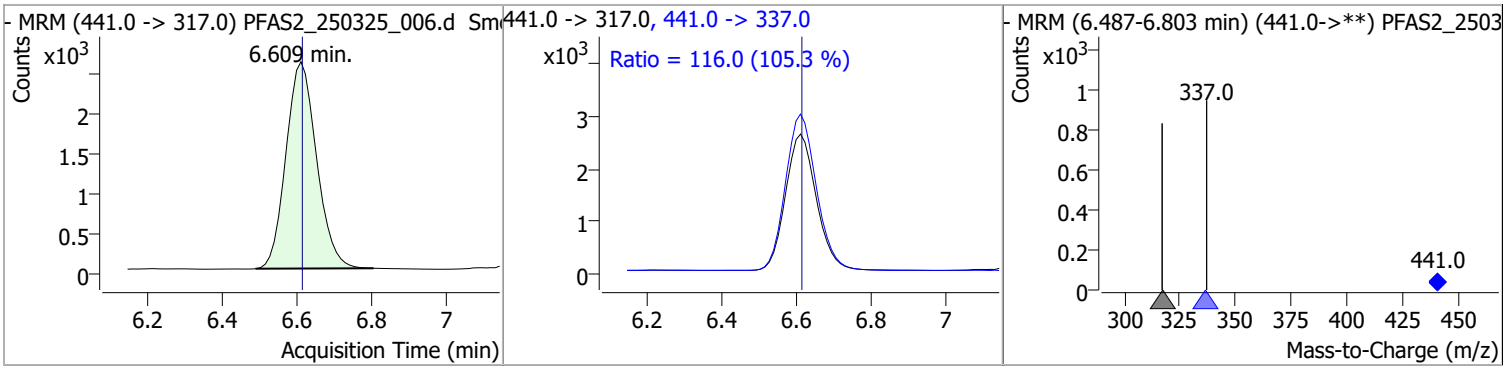
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		6.59	0.00	76622				



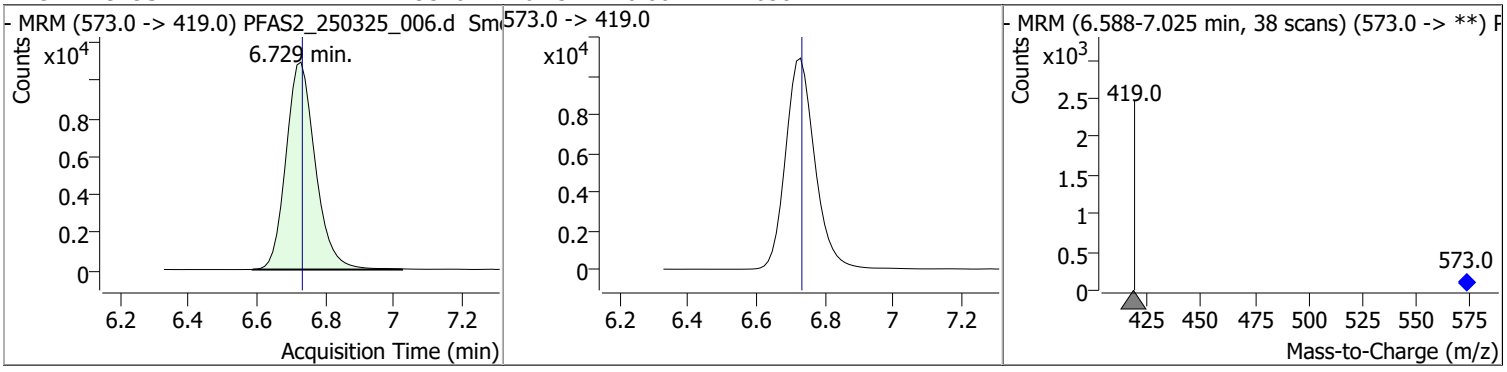
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.1894	6.59	0.00	11116	513.0 -> 219.0	14.8	8.7	16.2



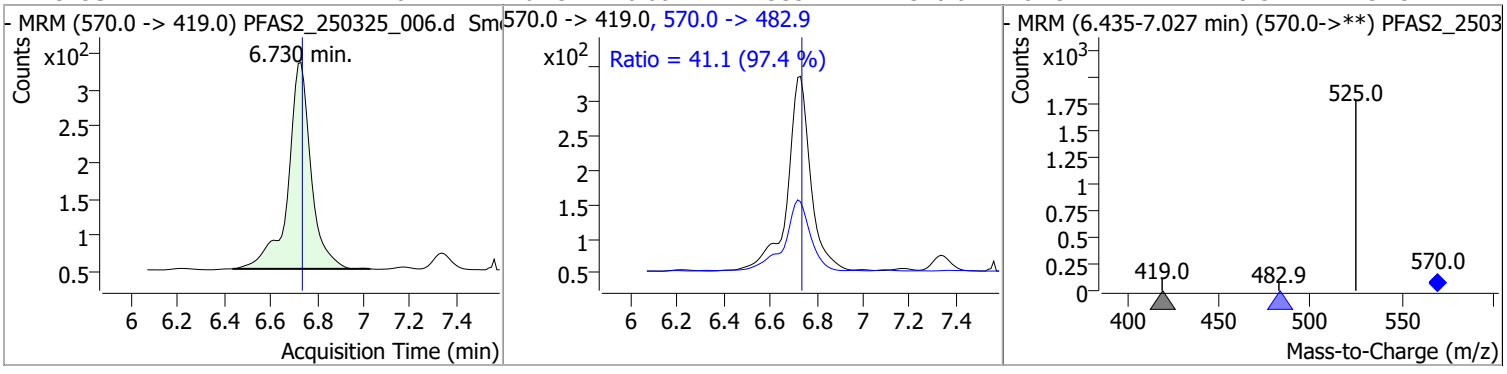
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.0400	6.61	0.00	14802	441.0 -> 337.0	116.0	77.1	143.3



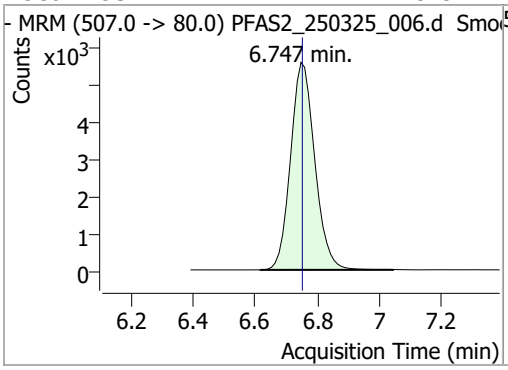
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9346	6.73	0.00	65047				

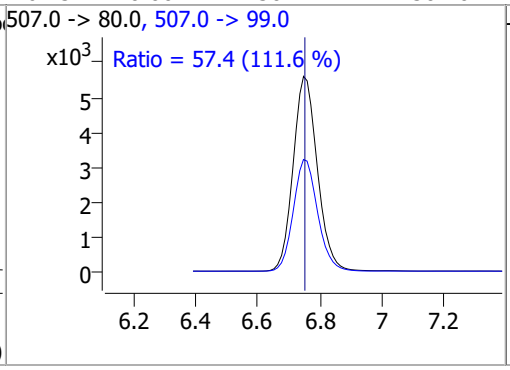


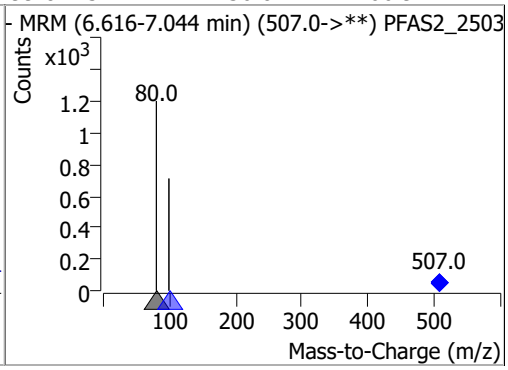
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.1777	6.73	0.00	1953	570.0 -> 482.9	41.1	29.5	54.9



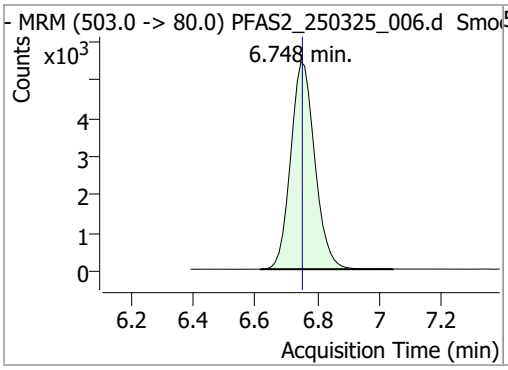
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5254	6.75	0.00	30111	507.0 -> 99.0	57.4	36.0	66.9

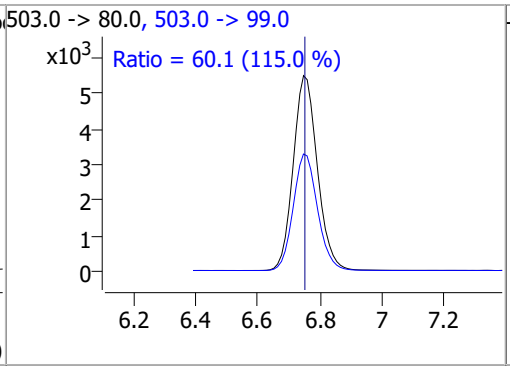


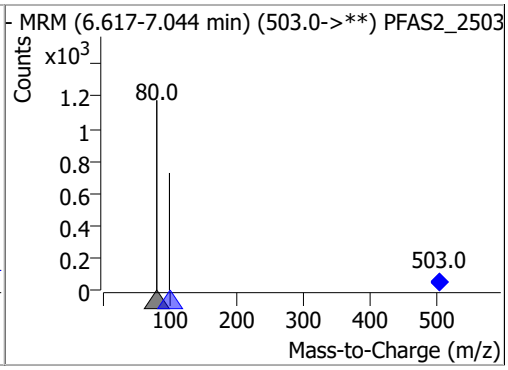




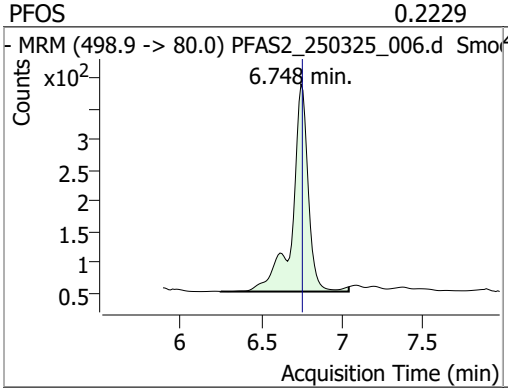
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		6.75	0.00	29378	503.0 -> 99.0	60.1	36.6	67.9

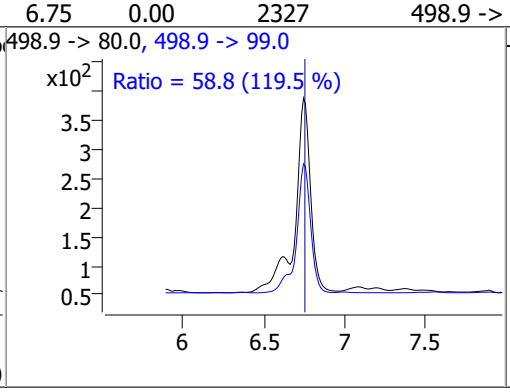


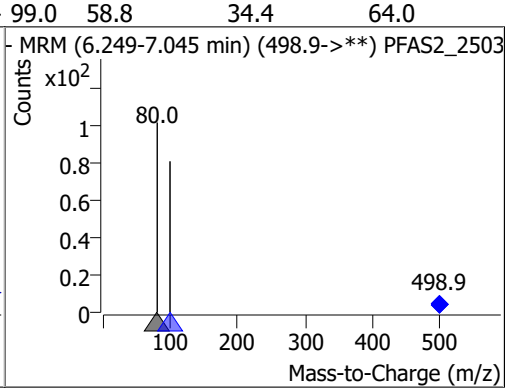




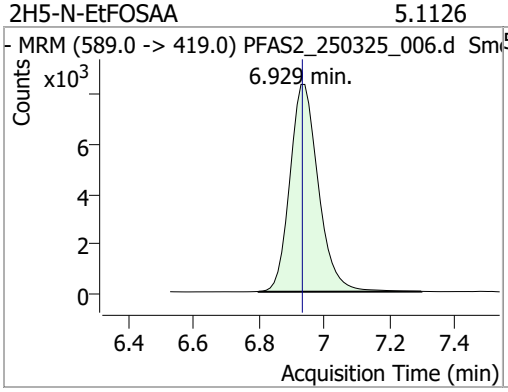
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.2229	6.75	0.00	2327	498.9 -> 99.0	58.8	34.4	64.0

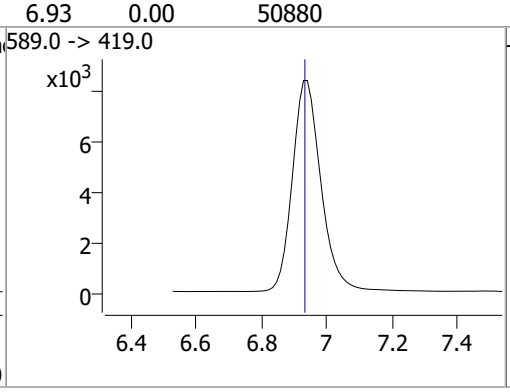


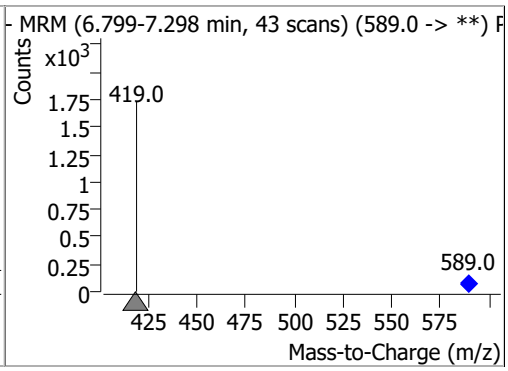




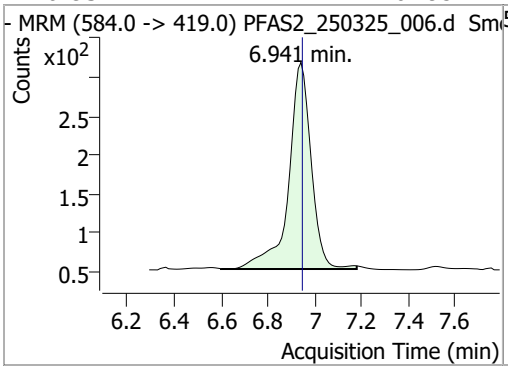
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1126	6.93	0.00	50880				

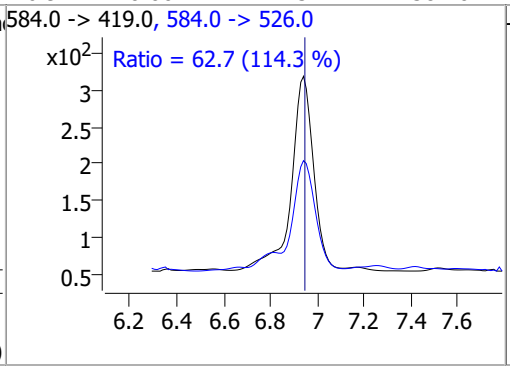


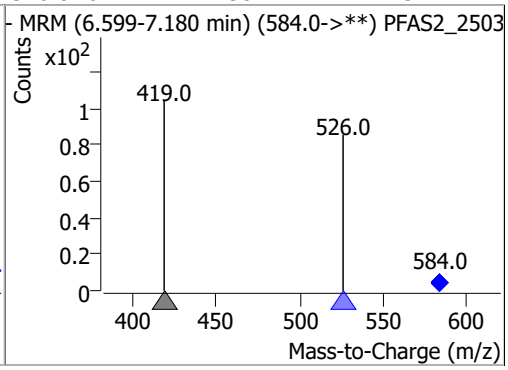




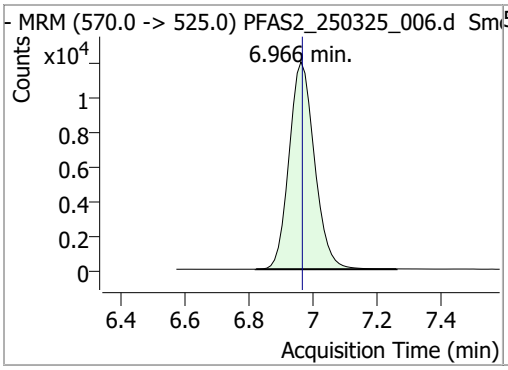
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.1954	6.94	0.00	1775	584.0 -> 526.0	62.7	38.4	71.3

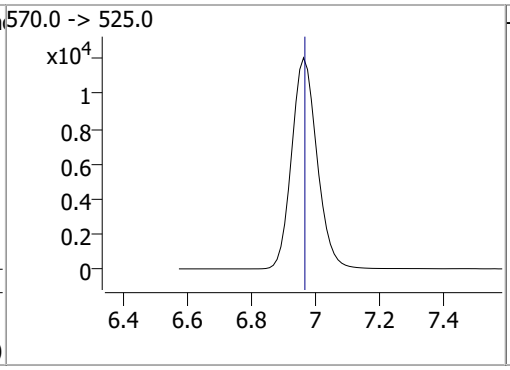


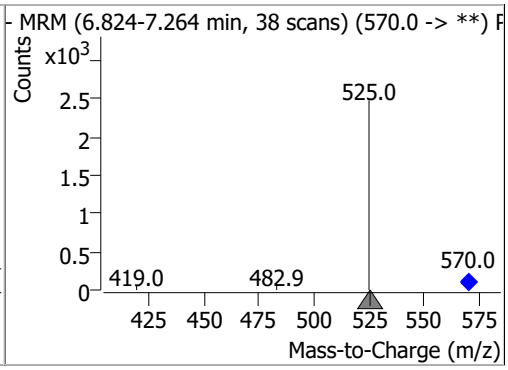




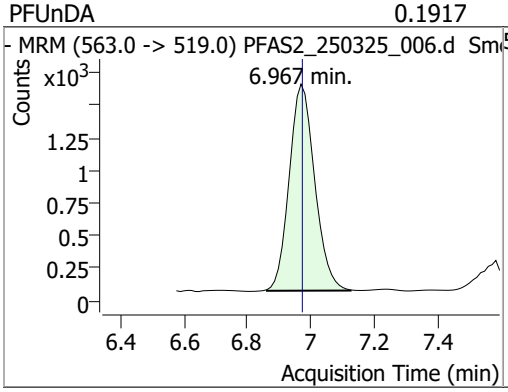
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3426	6.97	0.00	65973				

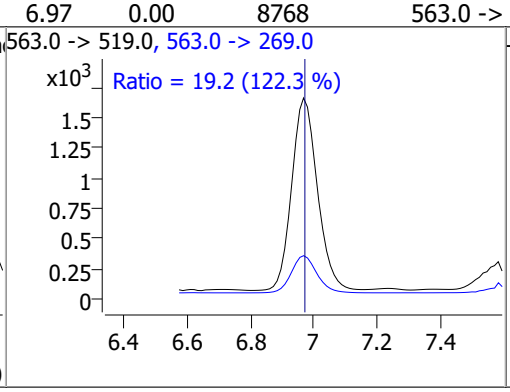


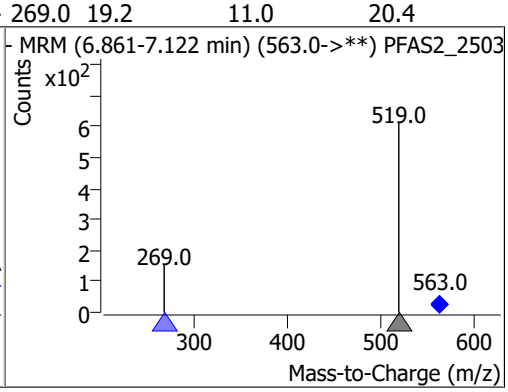




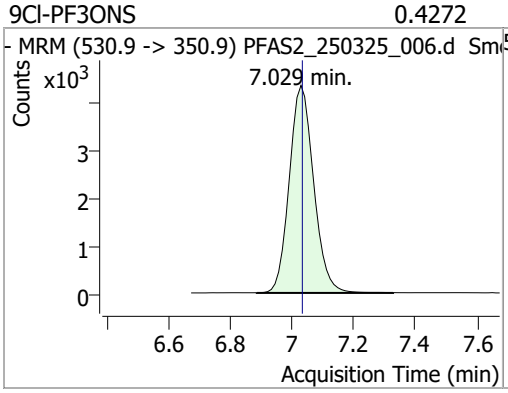
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.1917	6.97	0.00	8768	563.0 -> 269.0	19.2	11.0	20.4

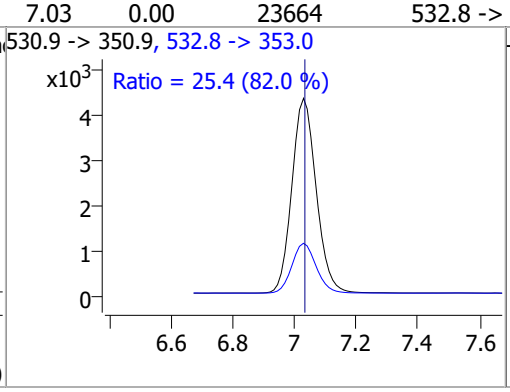


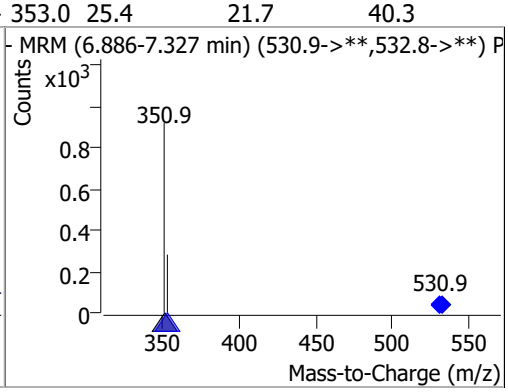




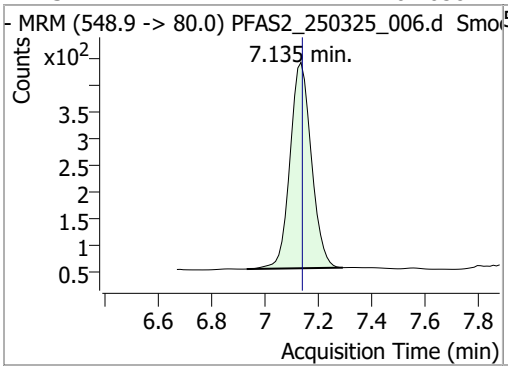
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.4272	7.03	0.00	23664	532.8 -> 353.0	25.4	21.7	40.3

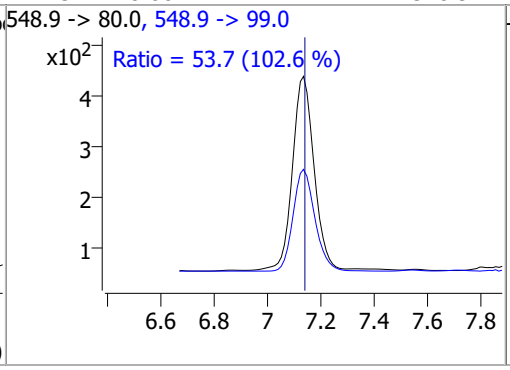


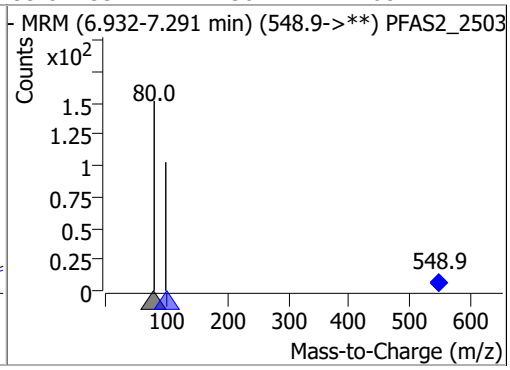




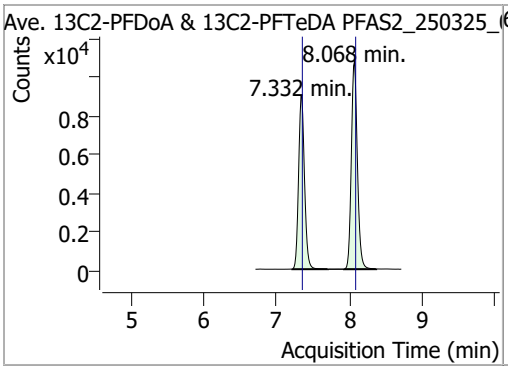
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.2058	7.13	0.00	2114	548.9 -> 99.0	53.7	36.7	68.1

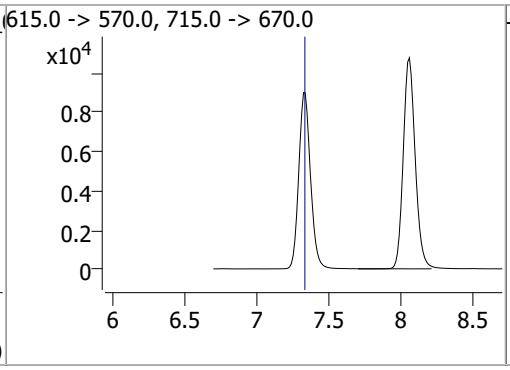


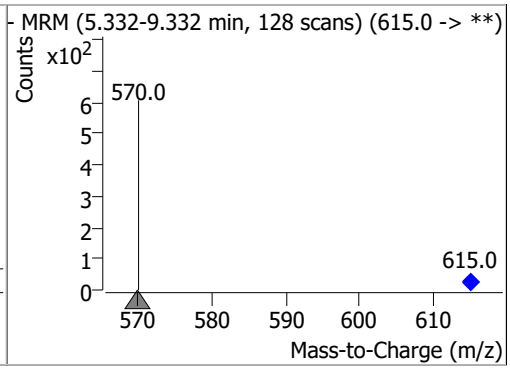




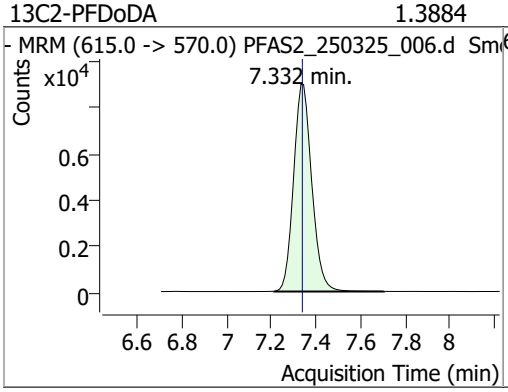
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3952	7.70	0.37	56506				

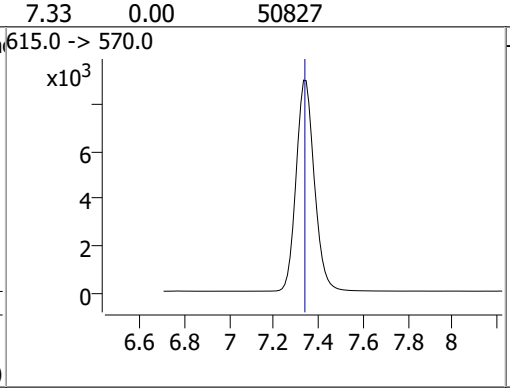


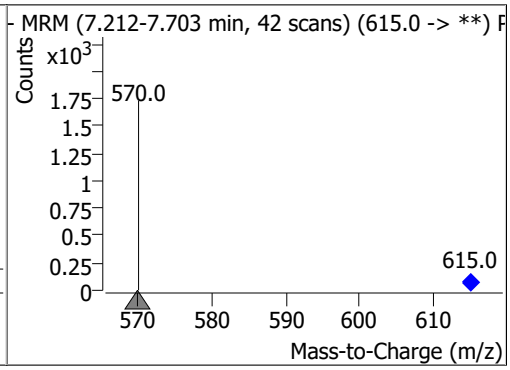




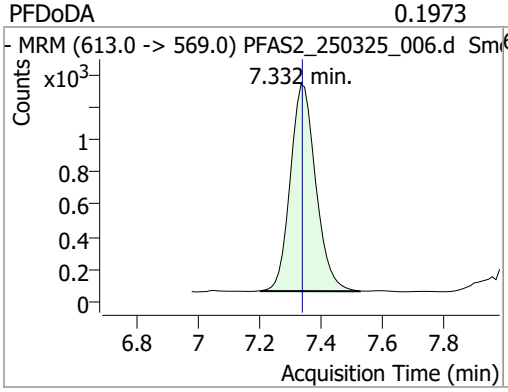
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.3884	7.33	0.00	50827				

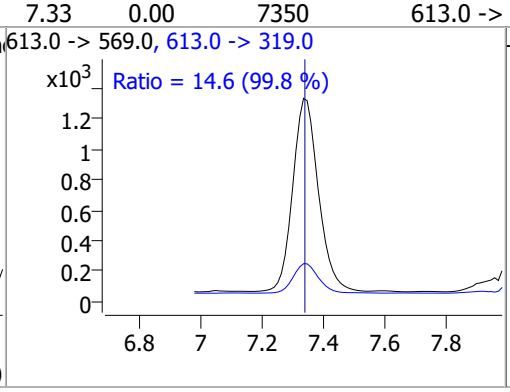


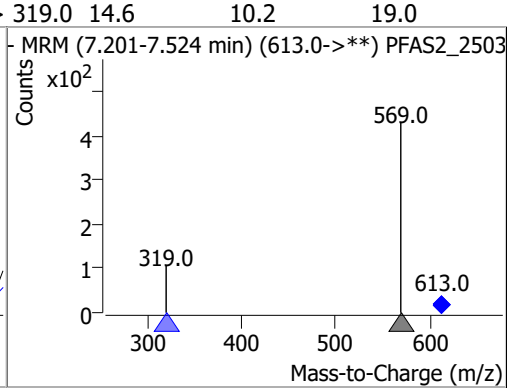




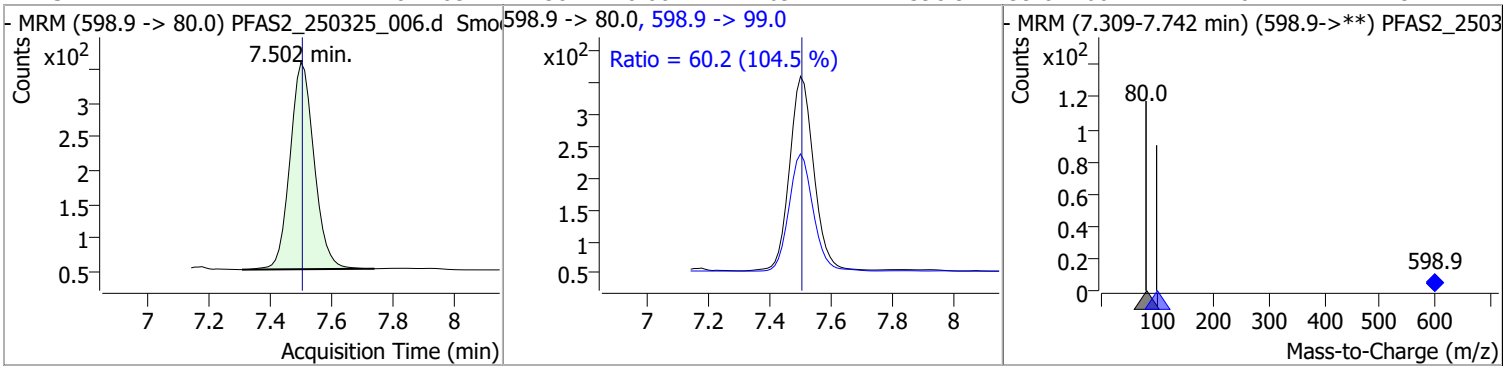
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.1973	7.33	0.00	7350	613.0 -> 319.0	14.6	10.2	19.0



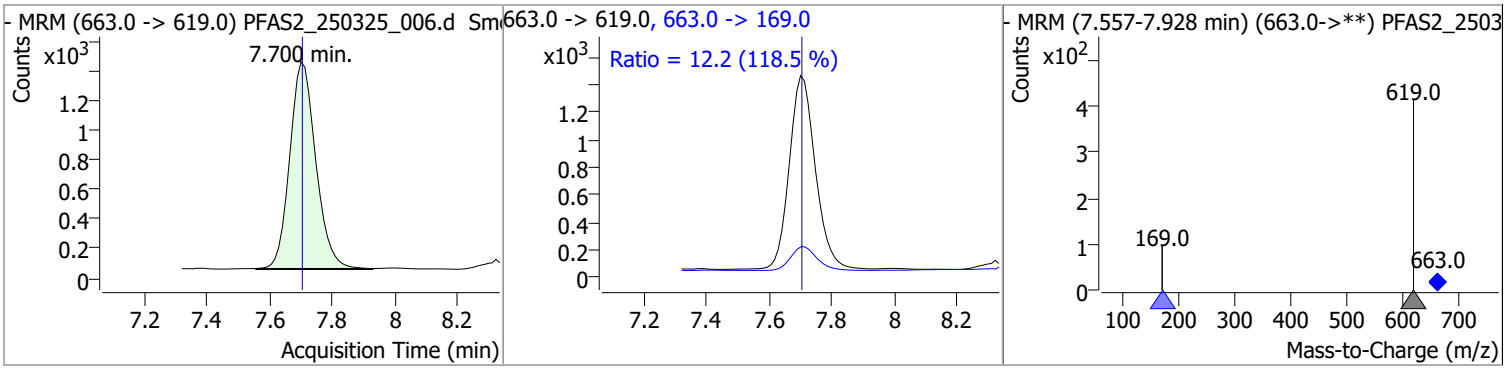




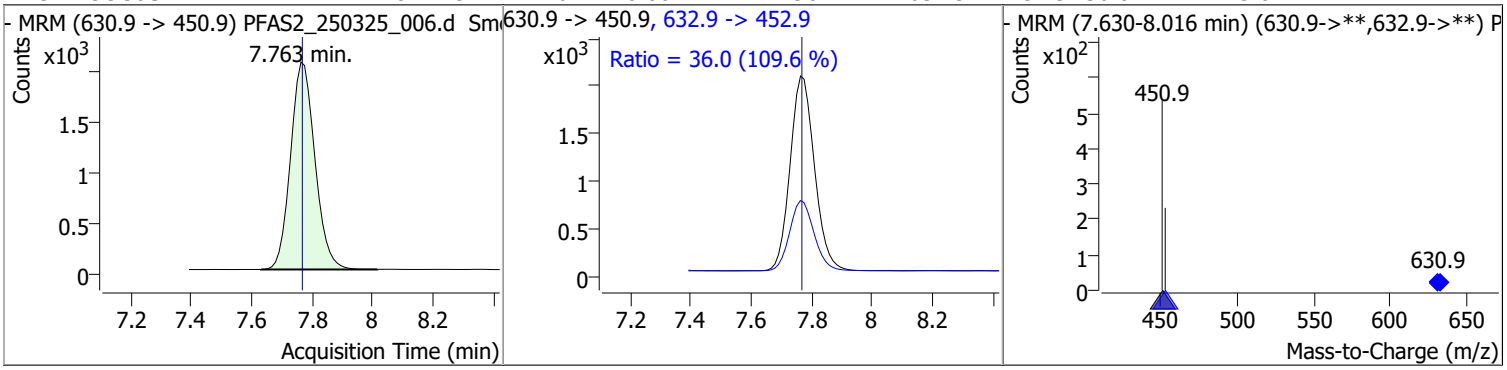
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.2205	7.50	0.00	1692	598.9 -> 99.0	60.2	40.4	74.9



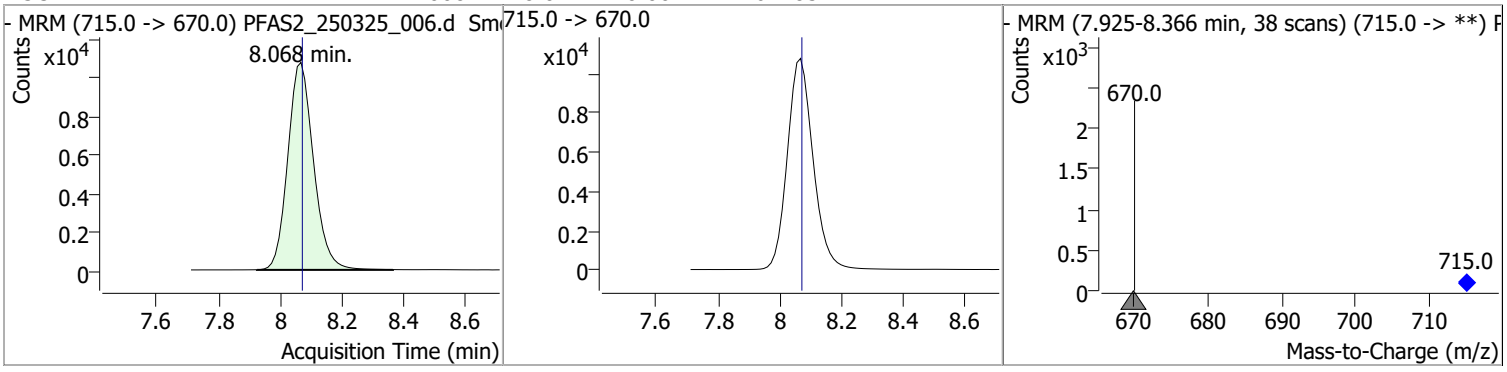
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.1906	7.70	0.00	8115	663.0 -> 169.0	12.2	7.2	13.4



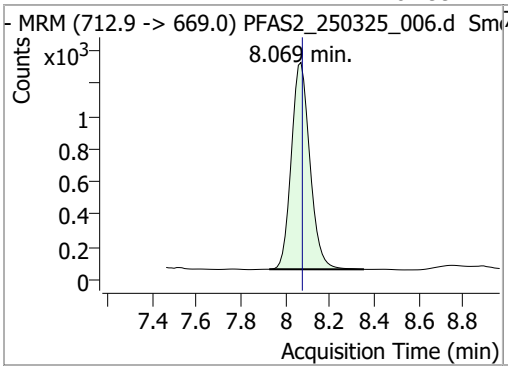
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.4215	7.76	0.00	11498	632.9 -> 452.9	36.0	23.0	42.7

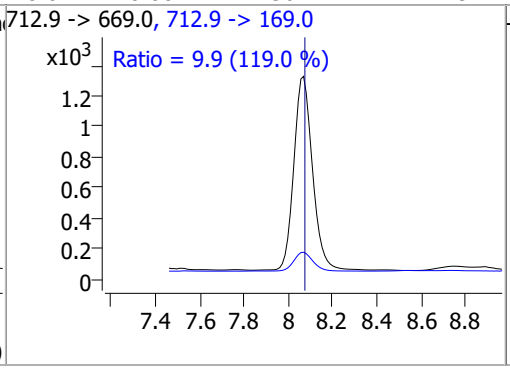


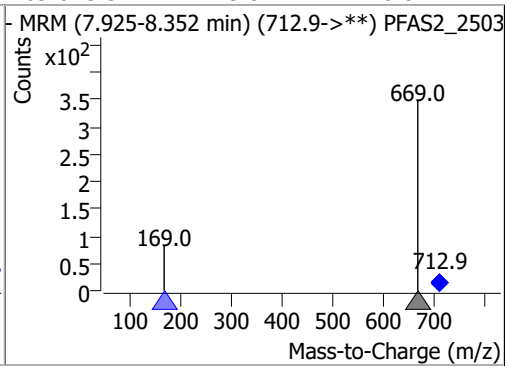
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.4008	8.07	0.00	62185				



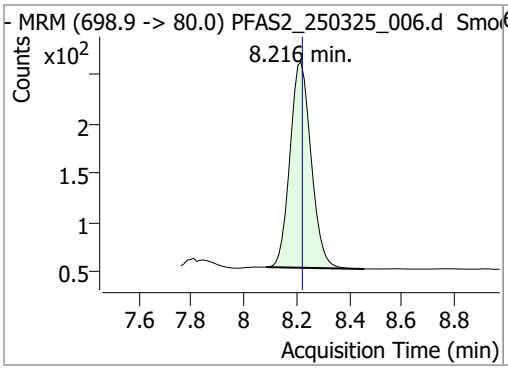
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.1991	8.07	0.00	7362	712.9 -> 169.0	9.9	5.8	10.8

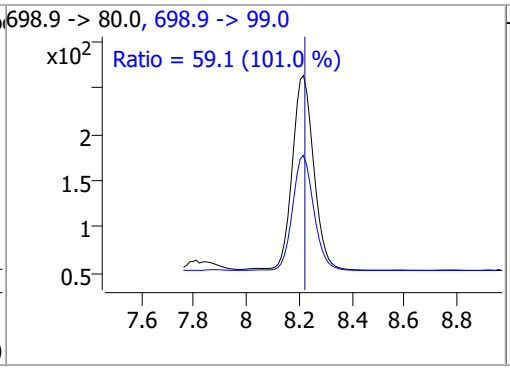


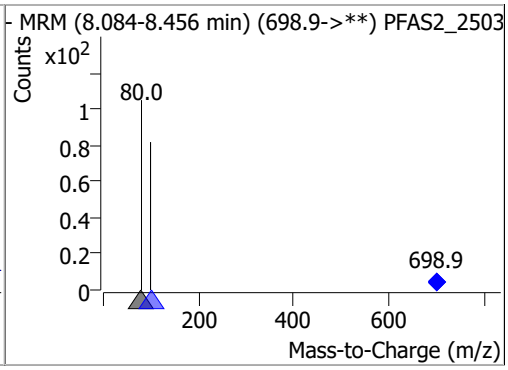




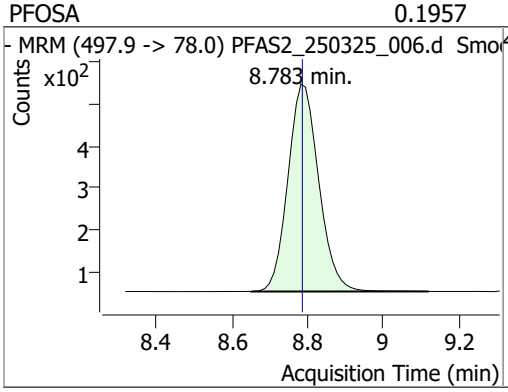
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.2163	8.22	0.00	1161	698.9 -> 99.0	59.1	41.0	76.1

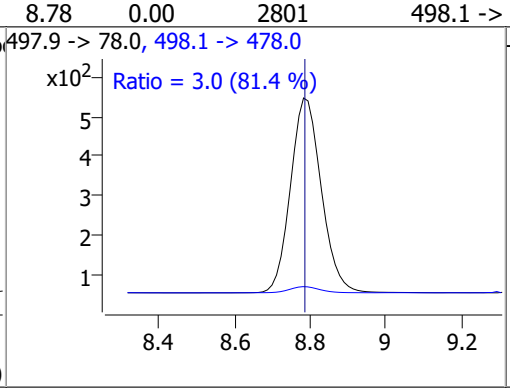


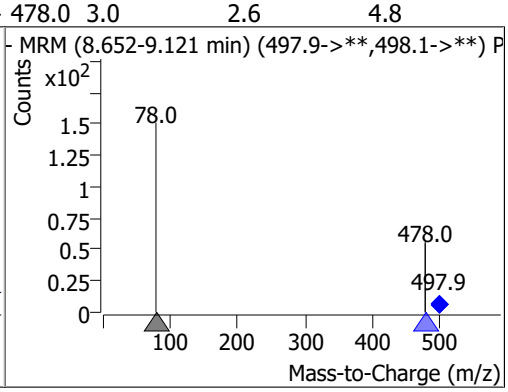




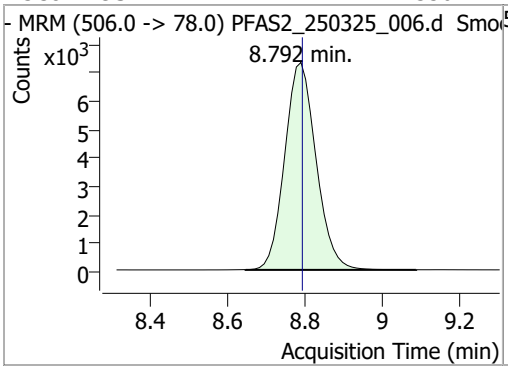
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.1957	8.78	0.00	2801	498.1 -> 478.0	3.0	2.6	4.8

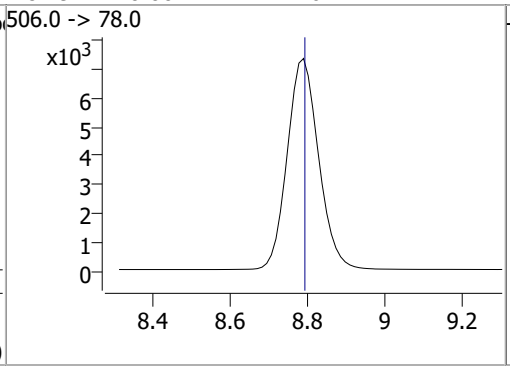


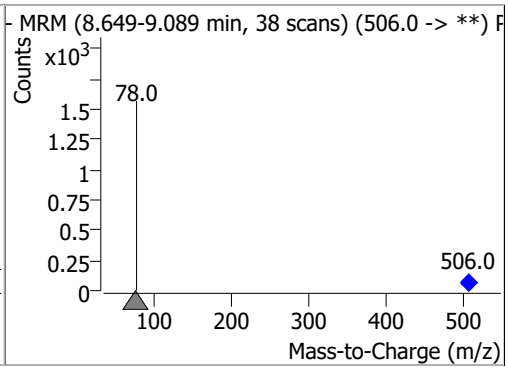




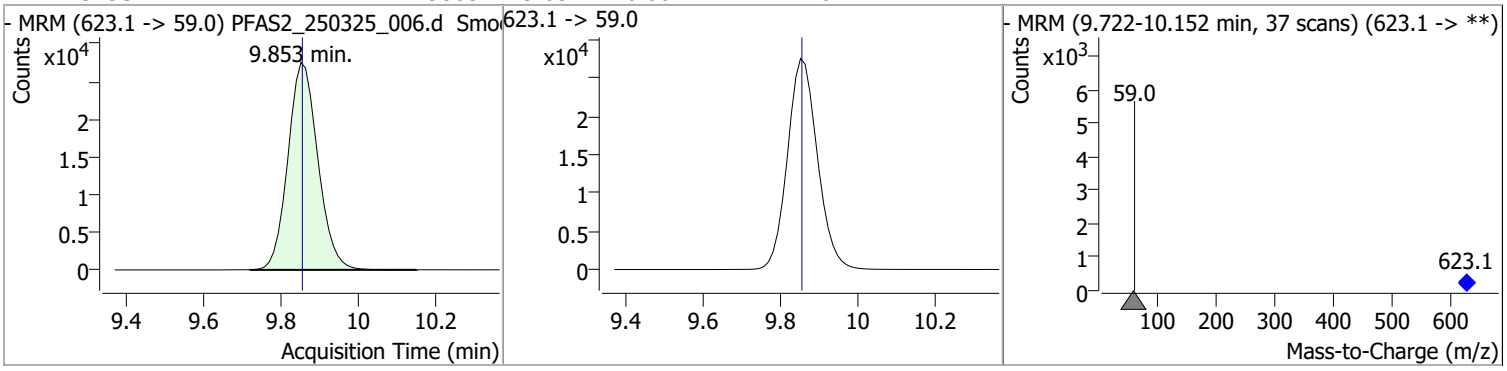
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3567	8.79	0.00	41176				



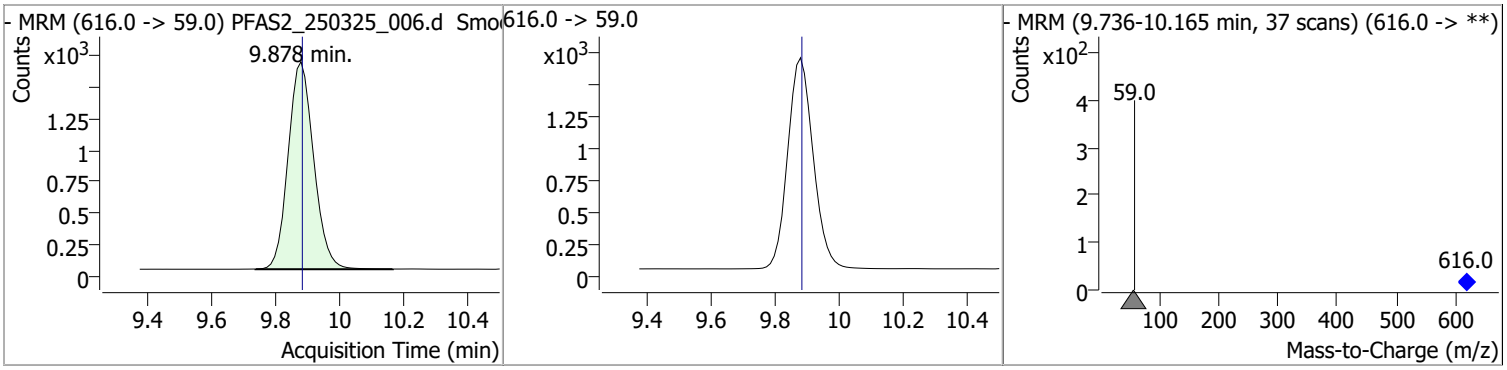




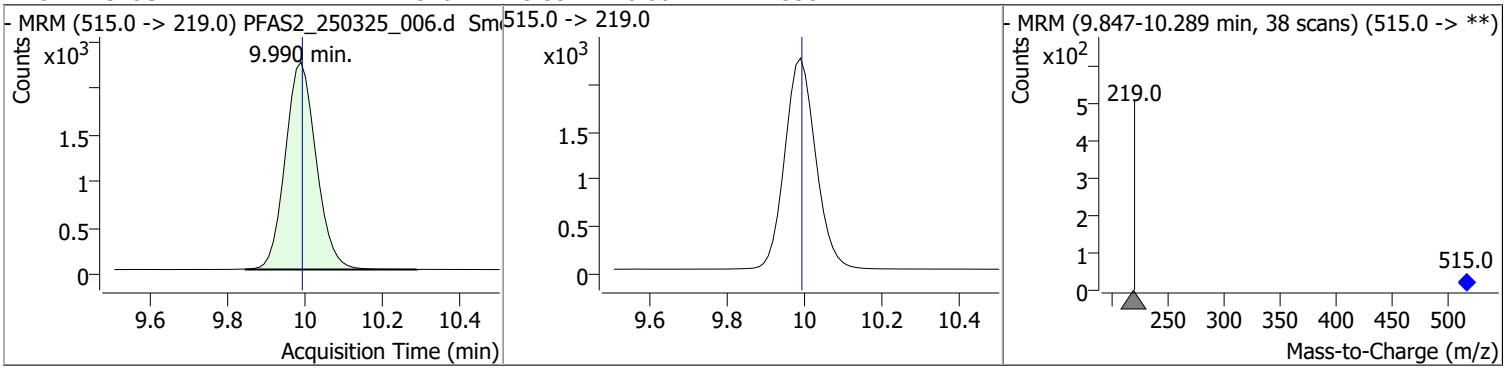
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.9503	9.85	0.00	147778				



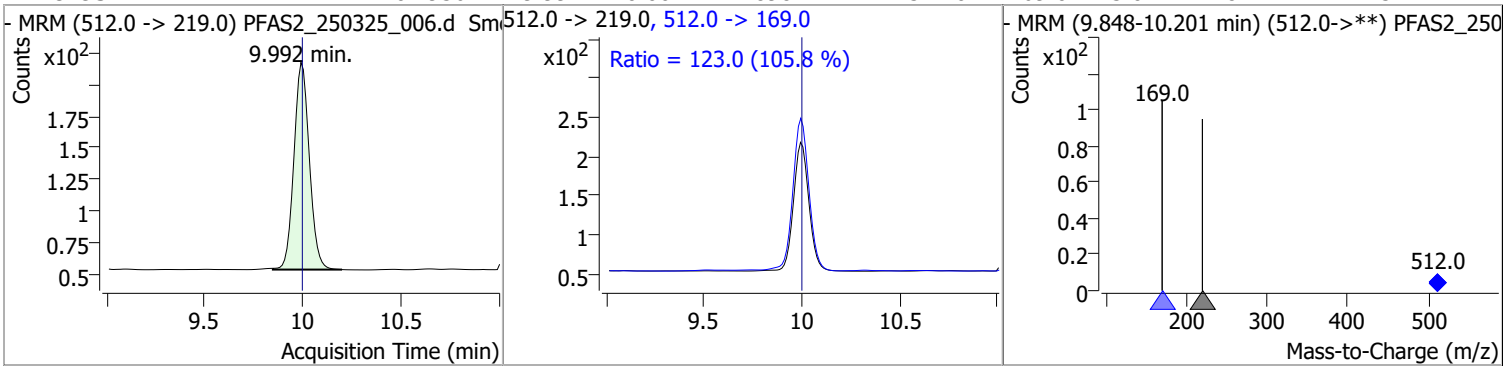
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	2.0066	9.88	0.00	9134				



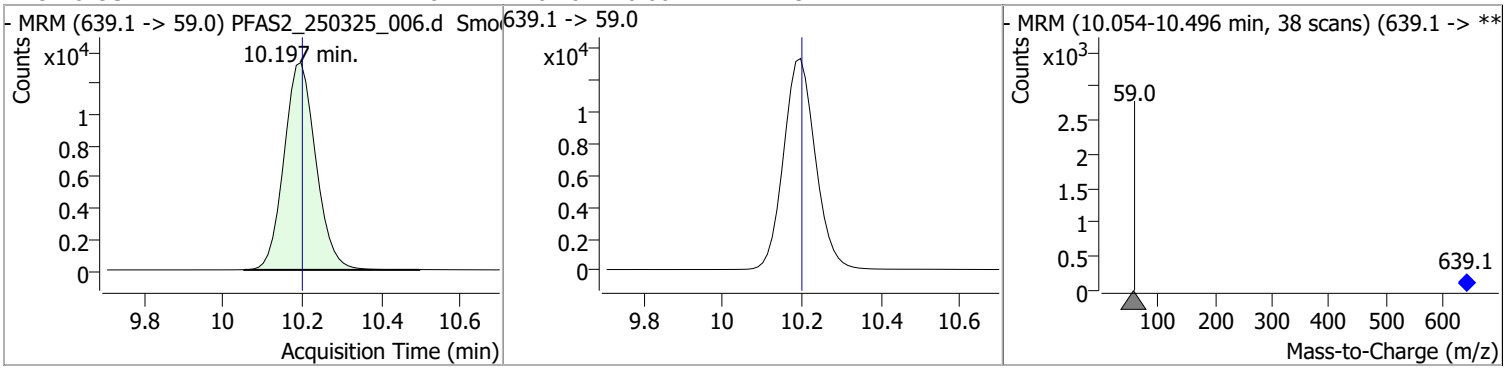
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5161	9.99	0.00	12338				



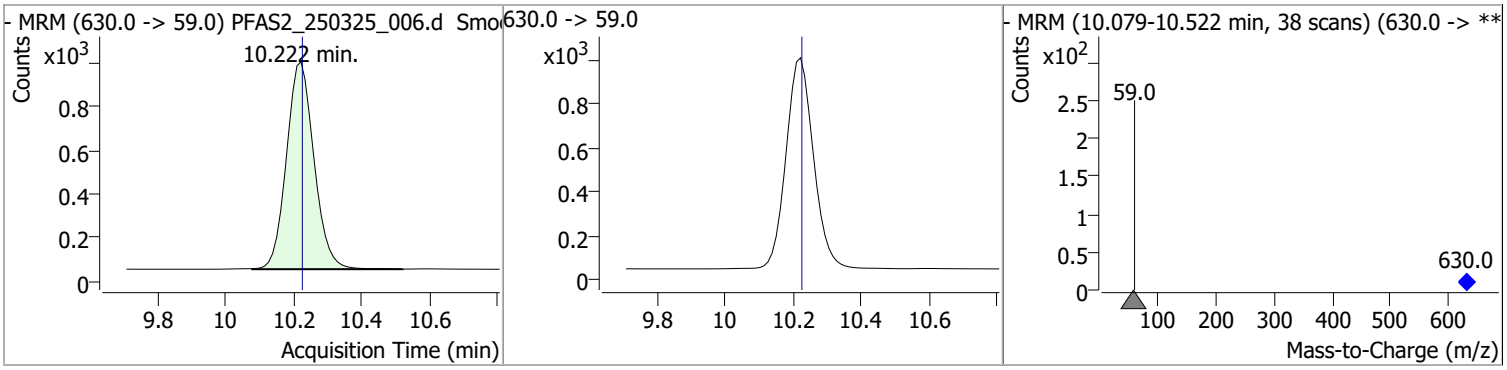
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.1936	9.99	0.00	898	512.0 -> 169.0	123.0	81.4	151.2



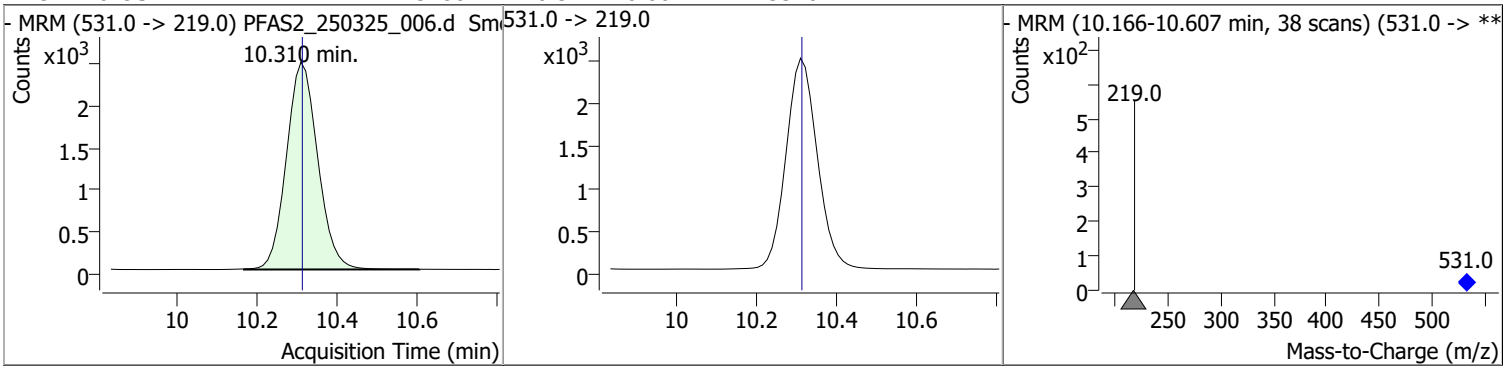
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.8412	10.20	0.00	74454				



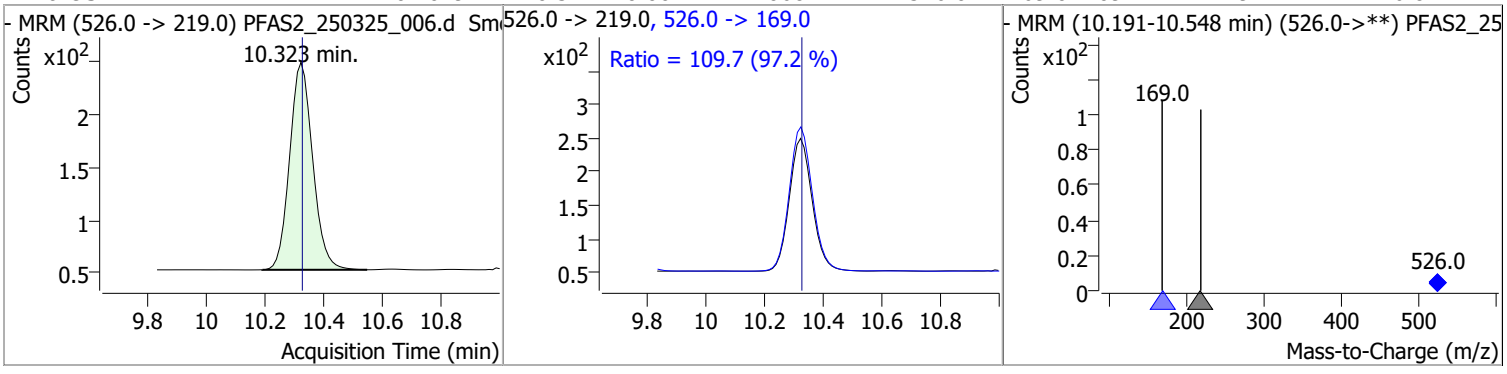
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	2.0188	10.22	0.00	5373				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5480	10.31	0.00	13510				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.2049	10.32	0.00	1068	526.0 -> 169.0	109.7	79.1	146.8



INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0643 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
ICV (S25C0643-ICV1)			*Lab File ID: PFAS2_250318A_013.d*		*Analyzed: 03/18/25 19:01*				
13C3-PFBA	144462.2	3.074767	148035.9	3.074767	98	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	166287	4.890067	163643.5	4.890067	102	30 - 150	0.0000	+/-0.10	
13C4-PFOA	15904.91	5.83505	16039.33	5.823216	99	30 - 150	0.0118	+/-0.10	
13C5-PFNA	73853.07	6.237333	75887.94	6.225533	97	30 - 150	0.0118	+/-0.10	
13C2-PFDA	70623.87	6.62685	72539.38	6.615083	97	30 - 150	0.0118	+/-0.10	
18O2-PFHxS	29900.95	5.966967	31564.37	5.95515	95	30 - 150	0.0118	+/-0.10	
13C4-PFOS	25682.89	6.782967	27120.01	6.782967	95	30 - 150	0.0000	+/-0.10	

* Values outside of QC limits

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0909 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CCV (S25C0909-CCV1)			*Lab File ID: PFAS2_250325_007.d*			*Analyzed: 03/25/25 14:45*			
13C3-PFBA	136842.3	3.086767	148035.9	3.074767	92	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	153424.7	4.9019	163643.5	4.890067	94	30 - 150	0.0118	+/-0.10	
13C4-PFOA	15447.95	5.823216	16039.33	5.823216	96	30 - 150	0.0000	+/-0.10	
13C5-PFNA	71172.24	6.21375	75887.94	6.225533	94	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	66876.34	6.591516	72539.38	6.615083	92	30 - 150	-0.0236	+/-0.10	
18O2-PFHxS	29630	5.94335	31564.37	5.95515	94	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	24909.19	6.759467	27120.01	6.782967	92	30 - 150	-0.0235	+/-0.10	
CCB (S25C0909-CCB1)			*Lab File ID: PFAS2_250325_004.d*			*Analyzed: 03/25/25 14:46*			
13C3-PFBA	122949.7	3.026783	136842.3	3.086767	90	30 - 150	-0.0600	+/-0.10	
13C2-PFHxA	135235.2	4.865317	153424.7	4.9019	88	30 - 150	-0.0366	+/-0.10	
13C4-PFOA	14170.64	5.7979	15447.95	5.823216	92	30 - 150	-0.0253	+/-0.10	
13C5-PFNA	68521.42	6.200933	71172.24	6.21375	96	30 - 150	-0.0128	+/-0.10	
13C2-PFDA	62564.18	6.579733	66876.34	6.591516	94	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	27692.04	5.931533	29630	5.94335	93	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	24253.03	6.73595	24909.19	6.759467	97	30 - 150	-0.0235	+/-0.10	
LCV (S25C0909-LCV1)			*Lab File ID: PFAS2_250325_006.d*			*Analyzed: 03/25/25 15:18*			
13C3-PFBA	150319.3	3.062767	136842.3	3.086767	110	30 - 150	-0.0240	+/-0.10	
13C2-PFHxA	168519.8	4.890067	153424.7	4.9019	110	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	17053.77	5.809733	15447.95	5.823216	110	30 - 150	-0.0135	+/-0.10	
13C5-PFNA	81007.75	6.20095	71172.24	6.21375	114	30 - 150	-0.0128	+/-0.10	
13C2-PFDA	76622.14	6.591516	66876.34	6.591516	115	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	33005.05	5.94335	29630	5.94335	111	30 - 150	0.0000	+/-0.10	
13C4-PFOS	29378.18	6.747717	24909.19	6.759467	118	30 - 150	-0.0118	+/-0.10	
CCV (S25C0909-CCV2)			*Lab File ID: PFAS2_250325_007.d*			*Analyzed: 03/25/25 15:39*			
13C3-PFBA	138988.7	3.086767	136842.3	3.086767	102	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	158607.8	4.9019	153424.7	4.9019	103	30 - 150	0.0000	+/-0.10	
13C4-PFOA	14928.03	5.823216	15447.95	5.823216	97	30 - 150	0.0000	+/-0.10	
13C5-PFNA	73649.16	6.21375	71172.24	6.21375	103	30 - 150	0.0000	+/-0.10	
13C2-PFDA	68209.18	6.591516	66876.34	6.591516	102	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	30514.04	5.94335	29630	5.94335	103	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26020.94	6.759467	24909.19	6.759467	104	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0909 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
IFB (S25C0909-IFB1)			*Lab File ID: PFAS2_250325_008.d*			*Analyzed: 03/25/25 15:57*			
13C3-PFBA			138988.7	3.086767		30 - 150	-3.0868	+/-0.10	*
13C2-PFHxA	15.67151	4.841667	158607.8	4.9019	0	30 - 150	-0.0602	+/-0.10	*
13C4-PFOA	10.33598	6.158583	14928.03	5.823216	0	30 - 150	0.3354	+/-0.10	*
13C5-PFNA	11.1702	6.79595	73649.16	6.21375	0	30 - 150	0.5822	+/-0.10	*
13C2-PFDA	6.092843	6.579733	68209.18	6.591516	0	30 - 150	-0.0118	+/-0.10	*
18O2-PFHxS	2.813121	5.799383	30514.04	5.94335	0	30 - 150	-0.1440	+/-0.10	*
13C4-PFOS	6.174291	6.664217	26020.94	6.759467	0	30 - 150	-0.0953	+/-0.10	*
IFA (S25C0909-IFA1)			*Lab File ID: PFAS2_250325_009.d*			*Analyzed: 03/25/25 16:13*			
13C3-PFBA			138988.7	3.086767		30 - 150	-3.0868	+/-0.10	*
13C2-PFHxA			158607.8	4.9019		30 - 150	-4.9019	+/-0.10	*
13C4-PFOA			14928.03	5.823216		30 - 150	-5.8232	+/-0.10	*
13C5-PFNA			73649.16	6.21375		30 - 150	-6.2138	+/-0.10	*
13C2-PFDA			68209.18	6.591516		30 - 150	-6.5915	+/-0.10	*
18O2-PFHxS			30514.04	5.94335		30 - 150	-5.9434	+/-0.10	*
13C4-PFOS			26020.94	6.759467		30 - 150	-6.7595	+/-0.10	*
CCB (S25C0909-CCB2)			*Lab File ID: PFAS2_250325_010.d*			*Analyzed: 03/25/25 16:30*			
13C3-PFBA	123740.3	3.038783	138988.7	3.086767	89	30 - 150	-0.0480	+/-0.10	
13C2-PFHxA	138742.5	4.878233	158607.8	4.9019	87	30 - 150	-0.0237	+/-0.10	
13C4-PFOA	14540.41	5.809733	14928.03	5.823216	97	30 - 150	-0.0135	+/-0.10	
13C5-PFNA	67932.82	6.21375	73649.16	6.21375	92	30 - 150	0.0000	+/-0.10	
13C2-PFDA	64365.11	6.591516	68209.18	6.591516	94	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	28630.12	5.94335	30514.04	5.94335	94	30 - 150	0.0000	+/-0.10	
13C4-PFOS	23876.68	6.759467	26020.94	6.759467	92	30 - 150	0.0000	+/-0.10	
BLK (B25C1367-BLK1)			*Lab File ID: PFAS2_250325_011.d*			*Analyzed: 03/25/25 16:46*			
13C3-PFBA	106829.5	3.038783	138988.7	3.086767	77	30 - 150	-0.0480	+/-0.10	
13C2-PFHxA	120462.9	4.890067	158607.8	4.9019	76	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	12738.96	5.809733	14928.03	5.823216	85	30 - 150	-0.0135	+/-0.10	
13C5-PFNA	61854.88	6.21375	73649.16	6.21375	84	30 - 150	0.0000	+/-0.10	
13C2-PFDA	53278.32	6.591516	68209.18	6.591516	78	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24414.27	5.94335	30514.04	5.94335	80	30 - 150	0.0000	+/-0.10	
13C4-PFOS	20344.9	6.759467	26020.94	6.759467	78	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0909 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
BS (B25C1367-BS1)			*Lab File ID: PFAS2_250325_012.d*		*Analyzed: 03/25/25 17:04*				
13C3-PFBA	109587.5	3.050767	138988.7	3.086767	79	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	125249.5	4.890067	158607.8	4.9019	79	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	12715.24	5.823216	14928.03	5.823216	85	30 - 150	0.0000	+/-0.10	
13C5-PFNA	62129.22	6.21375	73649.16	6.21375	84	30 - 150	0.0000	+/-0.10	
13C2-PFDA	56136.98	6.591516	68209.18	6.591516	82	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25719.17	5.94335	30514.04	5.94335	84	30 - 150	0.0000	+/-0.10	
13C4-PFOS	21722.05	6.759467	26020.94	6.759467	83	30 - 150	0.0000	+/-0.10	
BS (B25C1367-BS2)			*Lab File ID: PFAS2_250325_013.d*		*Analyzed: 03/25/25 17:24*				
13C3-PFBA	108578.2	3.062767	138988.7	3.086767	78	30 - 150	-0.0240	+/-0.10	
13C2-PFHxA	126872.6	4.890067	158607.8	4.9019	80	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	12558.19	5.823216	14928.03	5.823216	84	30 - 150	0.0000	+/-0.10	
13C5-PFNA	63150.04	6.21375	73649.16	6.21375	86	30 - 150	0.0000	+/-0.10	
13C2-PFDA	53899.36	6.591516	68209.18	6.591516	79	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25090.26	5.94335	30514.04	5.94335	82	30 - 150	0.0000	+/-0.10	
13C4-PFOS	20365.57	6.759467	26020.94	6.759467	78	30 - 150	0.0000	+/-0.10	
MW03RD-GW031225 (O25C0608-01)			*Lab File ID: PFAS2_250325_014.d*		*Analyzed: 03/25/25 17:42*				
13C3-PFBA	112168.4	3.050767	138988.7	3.086767	81	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	131935.9	4.890067	158607.8	4.9019	83	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13034.26	5.823216	14928.03	5.823216	87	30 - 150	0.0000	+/-0.10	
13C5-PFNA	65101.61	6.21375	73649.16	6.21375	88	30 - 150	0.0000	+/-0.10	
13C2-PFDA	58076.14	6.591516	68209.18	6.591516	85	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25543.59	5.95515	30514.04	5.94335	84	30 - 150	0.0118	+/-0.10	
13C4-PFOS	22634.9	6.759467	26020.94	6.759467	87	30 - 150	0.0000	+/-0.10	
MW24-GW031325 (O25C0608-02)			*Lab File ID: PFAS2_250325_015.d*		*Analyzed: 03/25/25 17:58*				
13C3-PFBA	111329.1	3.050767	138988.7	3.086767	80	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	126109	4.890067	158607.8	4.9019	80	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13578.32	5.823216	14928.03	5.823216	91	30 - 150	0.0000	+/-0.10	
13C5-PFNA	64193.4	6.21375	73649.16	6.21375	87	30 - 150	0.0000	+/-0.10	
13C2-PFDA	55819.24	6.591516	68209.18	6.591516	82	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	26237.58	5.95515	30514.04	5.94335	86	30 - 150	0.0118	+/-0.10	
13C4-PFOS	22679.9	6.759467	26020.94	6.759467	87	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0909 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FD02-GW031325 (O25C0608-03)			*Lab File ID: PFAS2_250325_016.d*		*Analyzed: 03/25/25 18:15*				
13C3-PFBA	112136.7	3.050767	138988.7	3.086767	81	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	125296.3	4.890067	158607.8	4.9019	79	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13301.31	5.823216	14928.03	5.823216	89	30 - 150	0.0000	+/-0.10	
13C5-PFNA	63155.81	6.21375	73649.16	6.21375	86	30 - 150	0.0000	+/-0.10	
13C2-PFDA	59806.7	6.591516	68209.18	6.591516	88	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	27284.29	5.94335	30514.04	5.94335	89	30 - 150	0.0000	+/-0.10	
13C4-PFOS	24227.41	6.759467	26020.94	6.759467	93	30 - 150	0.0000	+/-0.10	
MW30C-GW031225 (O25C0608-04)			*Lab File ID: PFAS2_250325_017.d*		*Analyzed: 03/25/25 18:31*				
13C3-PFBA	111472.3	3.050767	138988.7	3.086767	80	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	128194.3	4.890067	158607.8	4.9019	81	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13915.47	5.809733	14928.03	5.823216	93	30 - 150	-0.0135	+/-0.10	
13C5-PFNA	67141.57	6.21375	73649.16	6.21375	91	30 - 150	0.0000	+/-0.10	
13C2-PFDA	62957.5	6.591516	68209.18	6.591516	92	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	27190.84	5.94335	30514.04	5.94335	89	30 - 150	0.0000	+/-0.10	
13C4-PFOS	23446.1	6.759467	26020.94	6.759467	90	30 - 150	0.0000	+/-0.10	
FB01-GW031225 (O25C0608-05)			*Lab File ID: PFAS2_250325_018.d*		*Analyzed: 03/25/25 18:47*				
13C3-PFBA	112294.9	3.050767	138988.7	3.086767	81	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	129757.9	4.890067	158607.8	4.9019	82	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	14223.02	5.823216	14928.03	5.823216	95	30 - 150	0.0000	+/-0.10	
13C5-PFNA	65767.2	6.21375	73649.16	6.21375	89	30 - 150	0.0000	+/-0.10	
13C2-PFDA	59696.5	6.591516	68209.18	6.591516	88	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	27558.71	5.95515	30514.04	5.94335	90	30 - 150	0.0118	+/-0.10	
13C4-PFOS	24437.83	6.759467	26020.94	6.759467	94	30 - 150	0.0000	+/-0.10	
EB01-GW031225 (O25C0608-06)			*Lab File ID: PFAS2_250325_019.d*		*Analyzed: 03/25/25 19:03*				
13C3-PFBA	109797.9	3.050767	138988.7	3.086767	79	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	127004.2	4.890067	158607.8	4.9019	80	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13252.13	5.823216	14928.03	5.823216	89	30 - 150	0.0000	+/-0.10	
13C5-PFNA	64107.31	6.21375	73649.16	6.21375	87	30 - 150	0.0000	+/-0.10	
13C2-PFDA	59177.43	6.591516	68209.18	6.591516	87	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	26926.16	5.95515	30514.04	5.94335	88	30 - 150	0.0118	+/-0.10	
13C4-PFOS	23601.68	6.759467	26020.94	6.759467	91	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25C0608
Project: Salt Lake City VA PFAS

Sequence: S25C0909 Instrument: PFAS2
Calibration: OC250106

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CCV (S25C0909-CCV3)			*Lab File ID: PFAS2_250325_020.d*		*Analyzed: 03/25/25 19:20*				
13C3-PFBA	138567.5	3.074767	138988.7	3.086767	100	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	162607.4	4.9019	158607.8	4.9019	103	30 - 150	0.0000	+/-0.10	
13C4-PFOA	16661.84	5.823216	14928.03	5.823216	112	30 - 150	0.0000	+/-0.10	
13C5-PFNA	78586.82	6.22555	73649.16	6.21375	107	30 - 150	0.0118	+/-0.10	
13C2-PFDA	74408.69	6.6033	68209.18	6.591516	109	30 - 150	0.0118	+/-0.10	
18O2-PFHxS	32837.59	5.95515	30514.04	5.94335	108	30 - 150	0.0118	+/-0.10	
13C4-PFOS	27361.18	6.759467	26020.94	6.759467	105	30 - 150	0.0000	+/-0.10	
CCB (S25C0909-CCB3)			*Lab File ID: PFAS2_250325_021.d*		*Analyzed: 03/25/25 19:55*				
13C3-PFBA	126341.5	3.050767	138567.5	3.074767	91	30 - 150	-0.0240	+/-0.10	
13C2-PFHxA	149770.6	4.890067	162607.4	4.9019	92	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	15807.99	5.823216	16661.84	5.823216	95	30 - 150	0.0000	+/-0.10	
13C5-PFNA	72369.22	6.21375	78586.82	6.22555	92	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	66394.99	6.591516	74408.69	6.6033	89	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	29913.68	5.94335	32837.59	5.95515	91	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	25703.32	6.759467	27361.18	6.759467	94	30 - 150	0.0000	+/-0.10	
CCB (S25C0909-CCB4)			*Lab File ID: PFAS2_250325_030.d*		*Analyzed: 03/25/25 22:21*				
13C3-PFBA	101160.8	3.038783	138567.5	3.074767	73	30 - 150	-0.0360	+/-0.10	
13C2-PFHxA	110625.6	4.890067	162607.4	4.9019	68	30 - 150	-0.0118	+/-0.10	
13C4-PFOA	13682.43	5.809733	16661.84	5.823216	82	30 - 150	-0.0135	+/-0.10	
13C5-PFNA	74250.72	6.200933	78586.82	6.22555	94	30 - 150	-0.0246	+/-0.10	
13C2-PFDA	65061.59	6.591516	74408.69	6.6033	87	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	28778.95	5.94335	32837.59	5.95515	88	30 - 150	-0.0118	+/-0.10	
13C4-PFOS	15595.28	6.7477	27361.18	6.759467	57	30 - 150	-0.0118	+/-0.10	
CCV (S25C0909-CCV4)			*Lab File ID: PFAS2_250325_031.d*		*Analyzed: 03/25/25 22:37*				
13C3-PFBA	115821.4	3.074767	138567.5	3.074767	84	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	129464.6	4.9019	162607.4	4.9019	80	30 - 150	0.0000	+/-0.10	
13C4-PFOA	15224.72	5.823216	16661.84	5.823216	91	30 - 150	0.0000	+/-0.10	
13C5-PFNA	68016.13	6.21375	78586.82	6.22555	87	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	71968.72	6.591516	74408.69	6.6033	97	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	29436.41	5.95515	32837.59	5.95515	90	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25706.87	6.759467	27361.18	6.759467	94	30 - 150	0.0000	+/-0.10	

* Values outside of QC limits

PREPARATION BENCH SHEET
LC-MS-MS

B25C1367

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25C1367-BLK1	1633 PFAS	3/25/25 10:02	500.00	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C1367-BS1	1633 PFAS	3/25/25 10:02	500.00	5.00		24110390	13	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25C1367-BS2	1633 PFAS	3/25/25 10:02	500.00	5.00		24110390	125	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0300-01	1633 PFAS	3/25/25 10:02	502.60	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0300-02	1633 PFAS	3/25/25 10:02	510.30	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0300-03	1633 PFAS	3/25/25 10:02	507.70	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0300-04	1633 PFAS	3/25/25 10:02	511.40	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0300-05	1633 PFAS	3/25/25 10:02	504.90	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0301-01	1633 PFAS	3/14/25 11:13	487.80	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0608-01	1633 PFAS	3/25/25 10:02	523.63	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0608-02	1633 PFAS	3/25/25 10:02	519.67	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0608-03	1633 PFAS	3/25/25 10:02	515.22	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

PREPARATION BENCH SHEET
LC-MS-MS

B25C1367

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0608-04	1633 PFAS	3/25/25 10:02	498.29	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0608-05	1633 PFAS	3/25/25 10:02	526.10	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C0608-06	1633 PFAS	3/25/25 10:02	524.97	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25C1003-01	1633 PFAS	3/25/25 10:02	501.20	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

Batch Comments:

PREPARATION BENCH SHEET
LC-MS-MS

B25C1367

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments

Spiking Solution(s)
24110390 1633 ICV/LCS 200ppb

Reagents / Equipment

Standard	Description	LotNum
2030281	Captiva Econofilter, PP 25mm 0.2um	281048011
2090746	Acetic Acid, Glacial	0000281454
23120417	Transfer Pipet 1.5 mL	10072023
24051279	Water From Type I DI System	NA
24070607	pH Test Paper 5.5 - 8	234623
24080587	15mL Centrifuge Tube	15C3G1198B
24080850	Oasis WAX 200mg 60um/GCB 50mg [WATER]	KIT034116A
24110399	Formic Acid	STBL4128
24110696	15mL Centrifuge Tube	15C3I1099B
24120430	5 mL Norm-Ject Syringe	22K12C8
24120530	Methanolic 1:1	Refer Stock
24120570	0.3M Formic Acid	Refer Stock
25010049	3% Ammonium Hydroxide	NA
25020123	1% Methanolic Ammonium Hydroxide	NA

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0643	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard (STD # 25010541)	S25C0643-CAL1	PFAS2_250318A_003.d	03/18/25 16:19
Cal Standard (STD # 24110473)	S25C0643-CAL1	PFAS2_250318A_003.d	03/18/25 16:19
Cal Standard (STD # 24110475)	S25C0643-CAL2	PFAS2_250318A_004.d	03/18/25 16:35
Cal Standard (STD # 25010541)	S25C0643-CAL2	PFAS2_250318A_004.d	03/18/25 16:35
Cal Standard (STD # 24110476)	S25C0643-CAL3	PFAS2_250318A_005.d	03/18/25 16:51
Cal Standard (STD # 25010541)	S25C0643-CAL3	PFAS2_250318A_005.d	03/18/25 16:51
Cal Standard (STD # 24110477)	S25C0643-CAL4	PFAS2_250318A_006.d	03/18/25 17:07
Cal Standard (STD # 25010541)	S25C0643-CAL4	PFAS2_250318A_006.d	03/18/25 17:07
Cal Standard (STD # 25010541)	S25C0643-CAL5	PFAS2_250318A_007.d	03/18/25 17:24
Cal Standard (STD # 24110478)	S25C0643-CAL5	PFAS2_250318A_007.d	03/18/25 17:24
Cal Standard (STD # 25010541)	S25C0643-CAL6	PFAS2_250318A_008.d	03/18/25 17:40
Cal Standard (STD # 24110479)	S25C0643-CAL6	PFAS2_250318A_008.d	03/18/25 17:40
Cal Standard (STD # 24110480)	S25C0643-CAL7	PFAS2_250318A_009.d	03/18/25 17:56
Cal Standard (STD # 25010541)	S25C0643-CAL7	PFAS2_250318A_009.d	03/18/25 17:56
Cal Standard (STD # 24110481)	S25C0643-CAL8	PFAS2_250318A_010.d	03/18/25 18:12
Cal Standard (STD # 25010541)	S25C0643-CAL8	PFAS2_250318A_010.d	03/18/25 18:12
Cal Standard (STD # 24110482)	S25C0643-CAL9	PFAS2_250318A_011.d	03/18/25 18:29
Cal Standard (STD # 25010541)	S25C0643-CAL9	PFAS2_250318A_011.d	03/18/25 18:29
Cal Standard (STD # 24110483)	S25C0643-CAL10	PFAS2_250318A_012.d	03/18/25 18:45
Cal Standard (STD # 25010541)	S25C0643-CAL10	PFAS2_250318A_012.d	03/18/25 18:45
Initial Cal Check (STD # 25010541)	S25C0643-ICV1	PFAS2_250318A_013.d	03/18/25 19:01
Initial Cal Check (STD # 24110484)	S25C0643-ICV1	PFAS2_250318A_013.d	03/18/25 19:01

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0909	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check (STD # 24110479)	S25C0909-CCV1	PFAS2_250325_007.d	03/25/25 14:45
Calibration Check (STD # 25010541)	S25C0909-CCV1	PFAS2_250325_007.d	03/25/25 14:45
Calibration Blank (STD # 25010541)	S25C0909-CCB1	PFAS2_250325_004.d	03/25/25 14:46
Calibration Blank (STD # 24051382)	S25C0909-CCB1	PFAS2_250325_004.d	03/25/25 14:46
Low Cal Check (STD # 24110473)	S25C0909-LCV1	PFAS2_250325_006.d	03/25/25 15:18
Low Cal Check (STD # 25010541)	S25C0909-LCV1	PFAS2_250325_006.d	03/25/25 15:18
Calibration Check (STD # 25010541)	S25C0909-CCV2	PFAS2_250325_007.d	03/25/25 15:39
Calibration Check (STD # 24110479)	S25C0909-CCV2	PFAS2_250325_007.d	03/25/25 15:39
Interference Check B (STD # 25010541)	S25C0909-IFB1	PFAS2_250325_008.d	03/25/25 15:57
Interference Check B (STD # 24110455)	S25C0909-IFB1	PFAS2_250325_008.d	03/25/25 15:57
Interference Check A (STD # 25010541)	S25C0909-IFA1	PFAS2_250325_009.d	03/25/25 16:13
Interference Check A (STD # 24110454)	S25C0909-IFA1	PFAS2_250325_009.d	03/25/25 16:13
Calibration Blank (STD # 25010541)	S25C0909-CCB2	PFAS2_250325_010.d	03/25/25 16:30
Calibration Blank (STD # 24051382)	S25C0909-CCB2	PFAS2_250325_010.d	03/25/25 16:30
Blank (STD # 25010541)	B25C1367-BLK1	PFAS2_250325_011.d	03/25/25 16:46
Blank (STD # 24110510)	B25C1367-BLK1	PFAS2_250325_011.d	03/25/25 16:46
LCS (STD # 24110510)	B25C1367-BS1	PFAS2_250325_012.d	03/25/25 17:04
LCS (STD # 25010541)	B25C1367-BS1	PFAS2_250325_012.d	03/25/25 17:04
LCS (STD # 24110390)	B25C1367-BS1	PFAS2_250325_012.d	03/25/25 17:04
LCS (STD # 25010541)	B25C1367-BS2	PFAS2_250325_013.d	03/25/25 17:24
LCS (STD # 24110510)	B25C1367-BS2	PFAS2_250325_013.d	03/25/25 17:24
LCS (STD # 24110390)	B25C1367-BS2	PFAS2_250325_013.d	03/25/25 17:24
MW03RD-GW031225	O25C0608-01	PFAS2_250325_014.d	03/25/25 17:42
MW24-GW031325	O25C0608-02	PFAS2_250325_015.d	03/25/25 17:58
FD02-GW031325	O25C0608-03	PFAS2_250325_016.d	03/25/25 18:15
MW30C-GW031225	O25C0608-04	PFAS2_250325_017.d	03/25/25 18:31
FB01-GW031225	O25C0608-05	PFAS2_250325_018.d	03/25/25 18:47
EB01-GW031225	O25C0608-06	PFAS2_250325_019.d	03/25/25 19:03
Calibration Check (STD # 24110479)	S25C0909-CCV3	PFAS2_250325_020.d	03/25/25 19:20
Calibration Check (STD # 25010541)	S25C0909-CCV3	PFAS2_250325_020.d	03/25/25 19:20
Calibration Blank (STD # 24051382)	S25C0909-CCB3	PFAS2_250325_021.d	03/25/25 19:55
Calibration Blank (STD # 25010541)	S25C0909-CCB3	PFAS2_250325_021.d	03/25/25 19:55

ANALYSIS SEQUENCE SUMMARY

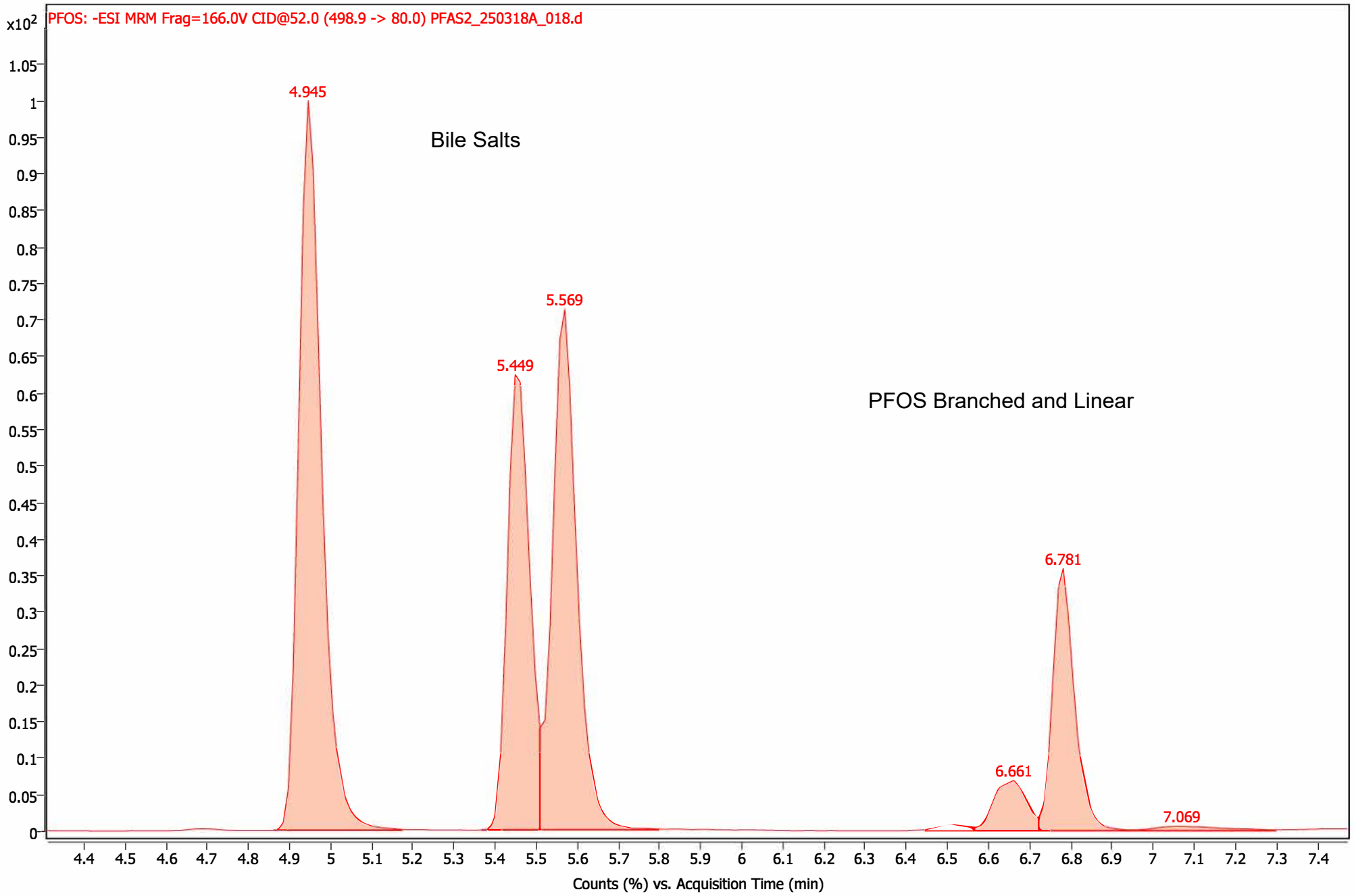
PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25C0909	Instrument:	PFAS2
Calibration:	OC250106		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank (STD # 25010541)	S25C0909-CCB4	PFAS2_250325_030.d	03/25/25 22:21
Calibration Blank (STD # 24051382)	S25C0909-CCB4	PFAS2_250325_030.d	03/25/25 22:21
Calibration Check (STD # 25010541)	S25C0909-CCV4	PFAS2_250325_031.d	03/25/25 22:37
Calibration Check (STD # 24110479)	S25C0909-CCV4	PFAS2_250325_031.d	03/25/25 22:37

Bile Salts Interference Check



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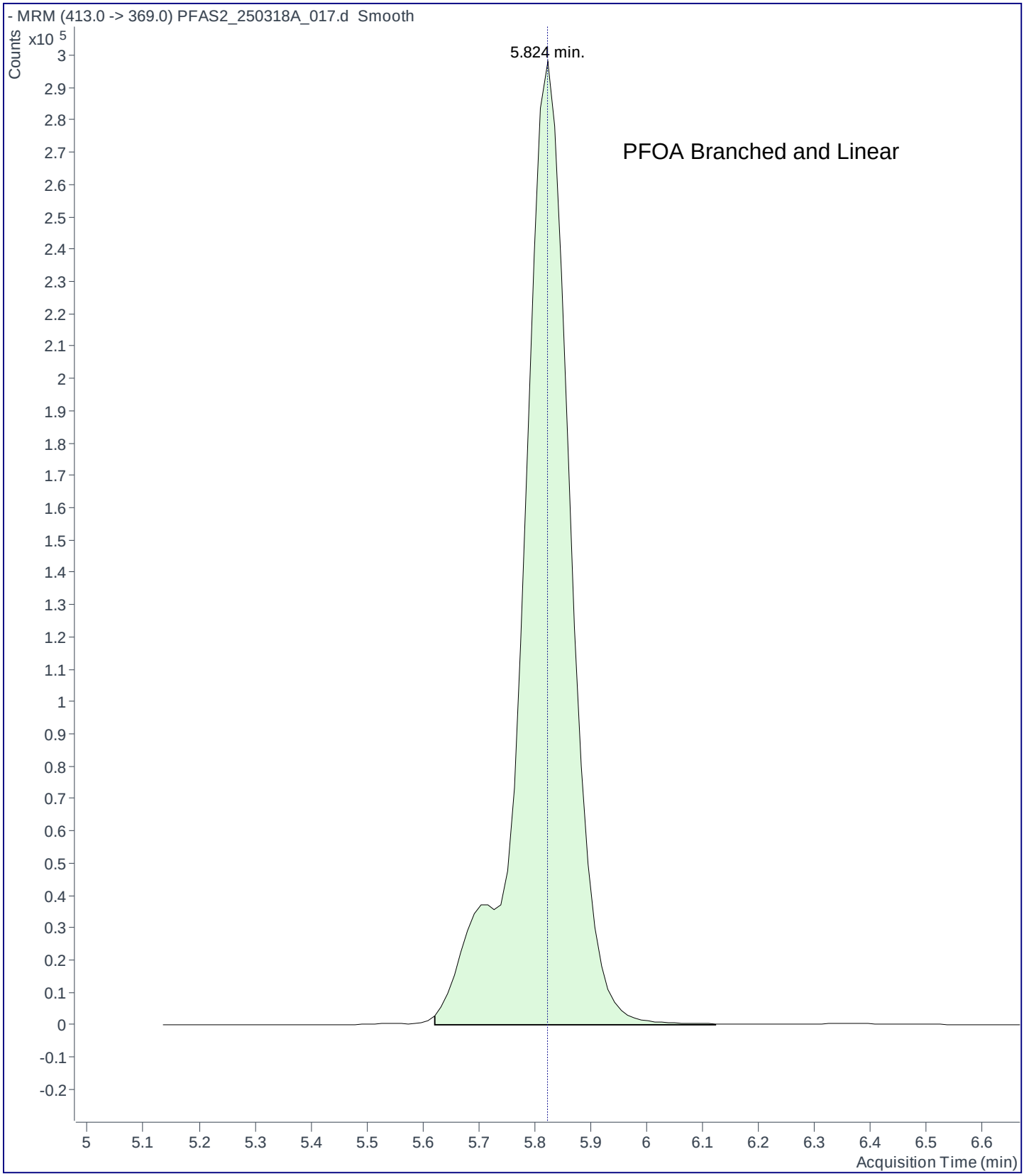
Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



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Compound Information Window

Agilent Technologies

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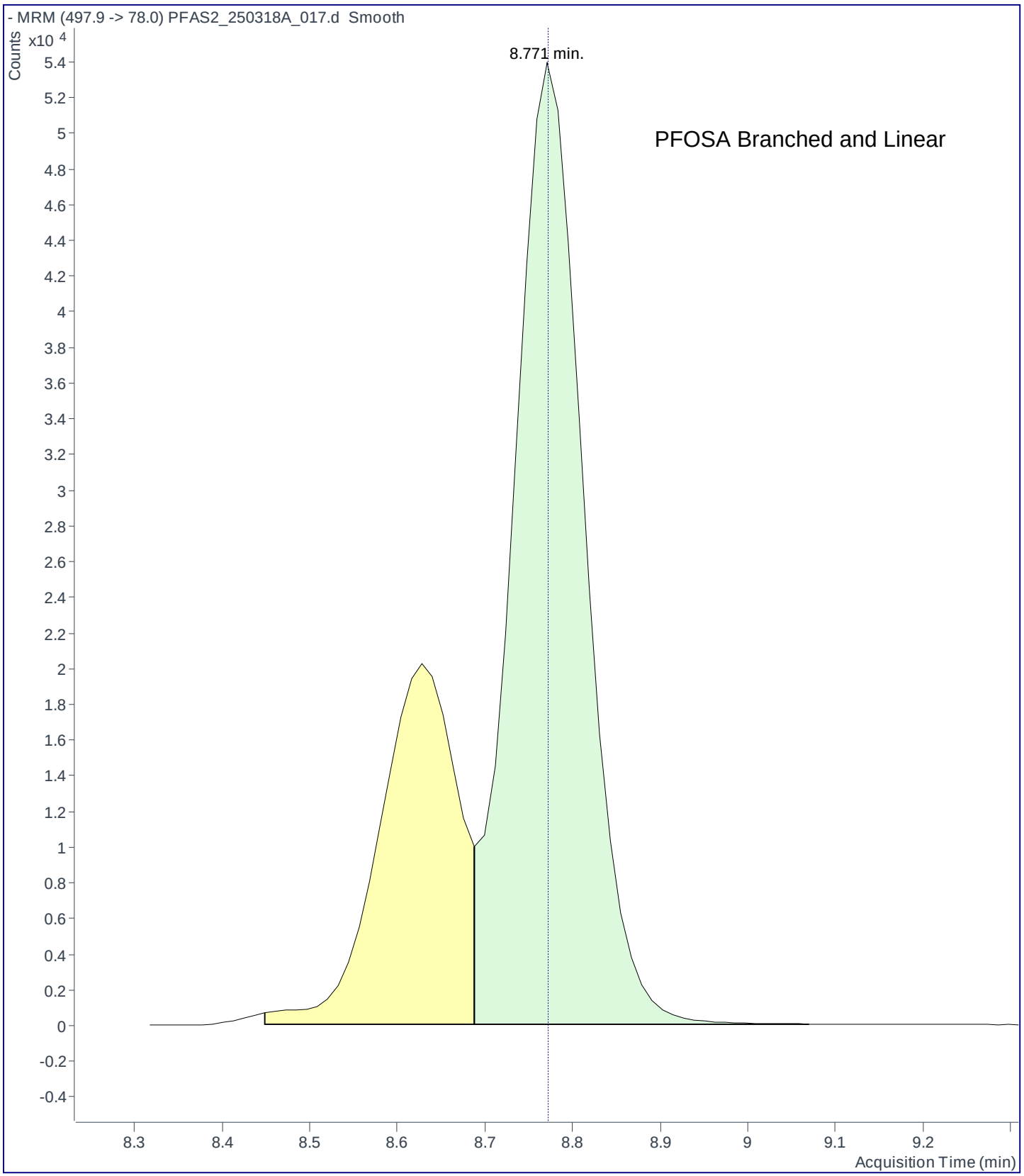
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

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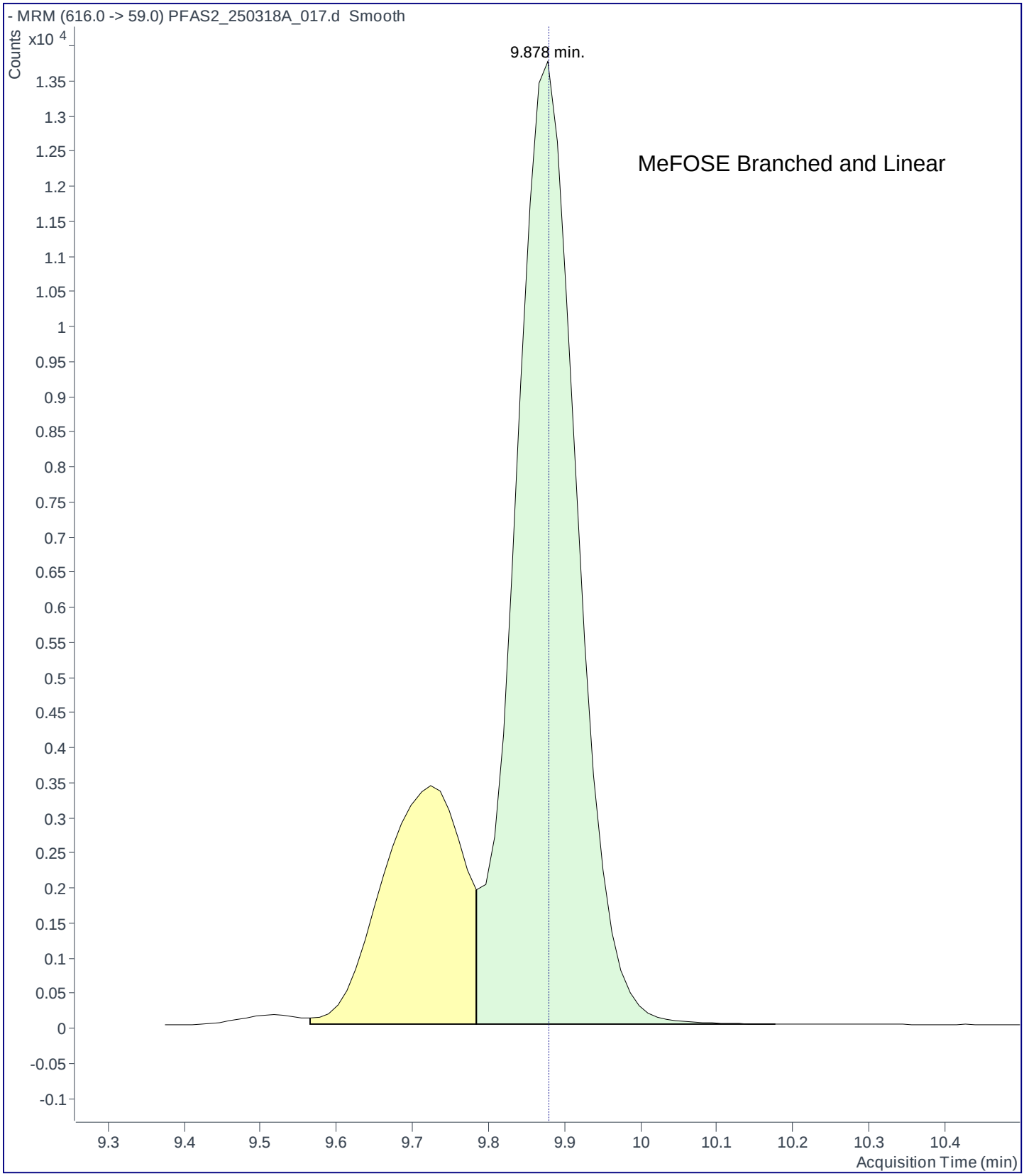
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



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Compound Information Window

Agilent Technologies

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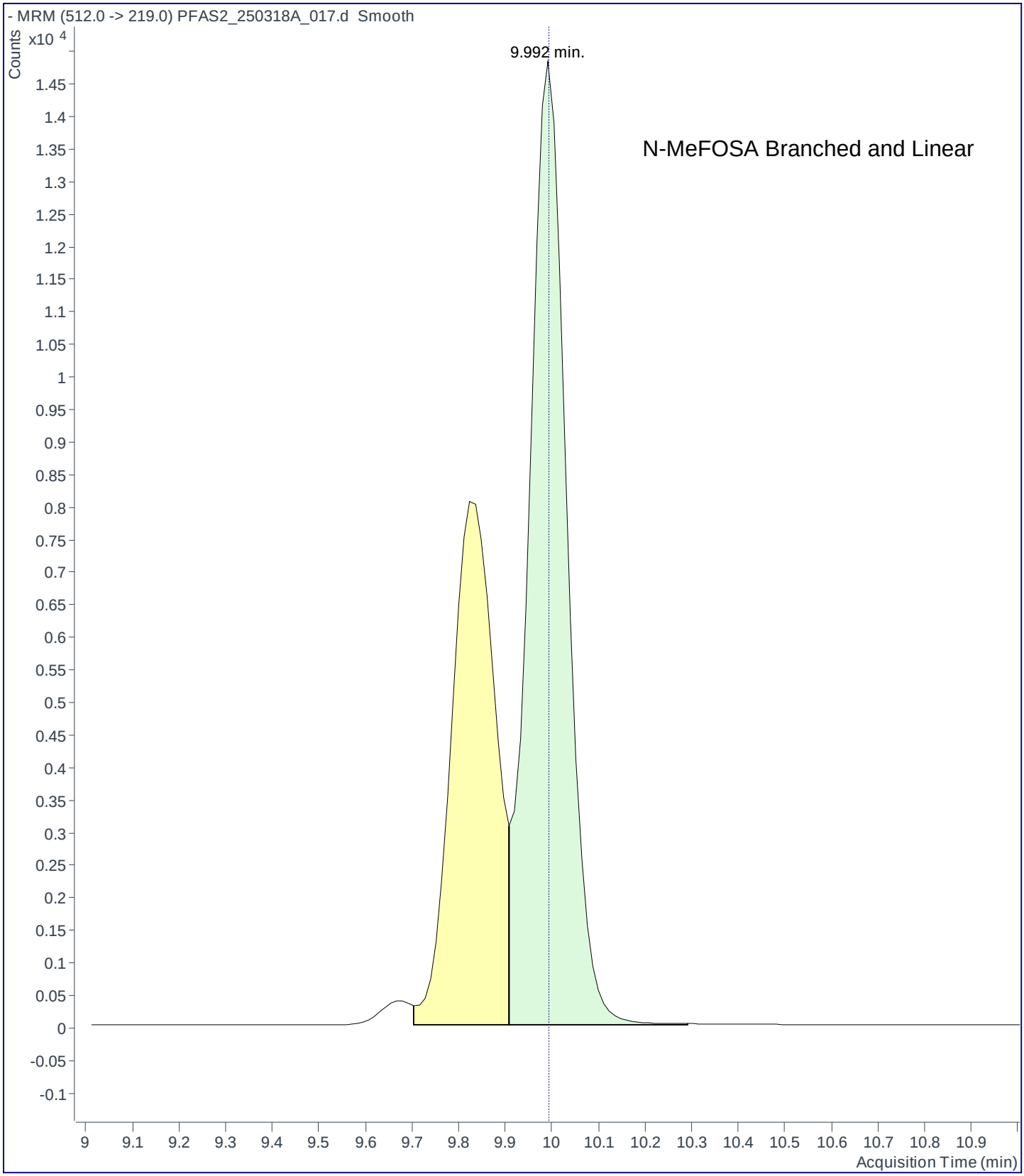
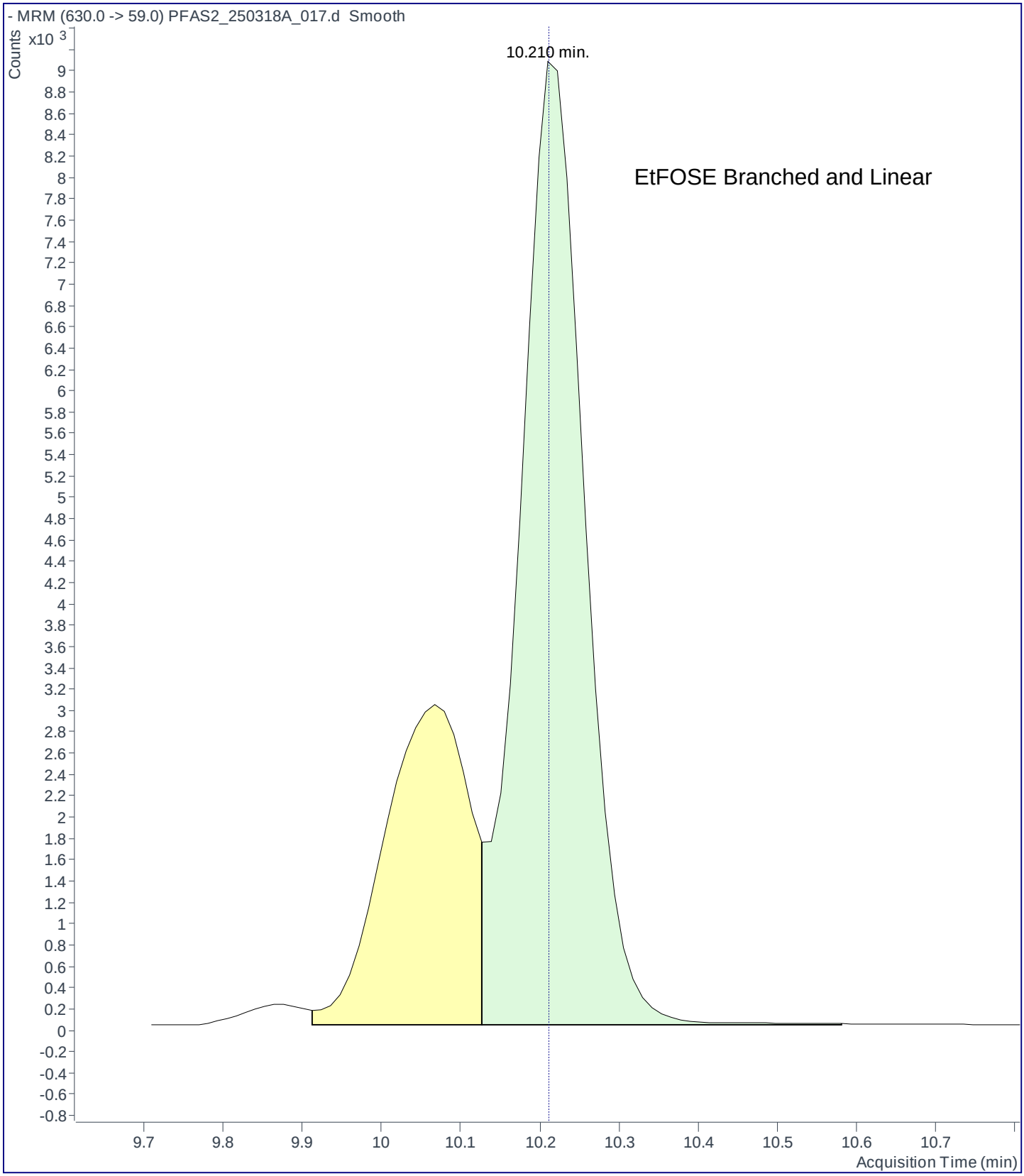
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

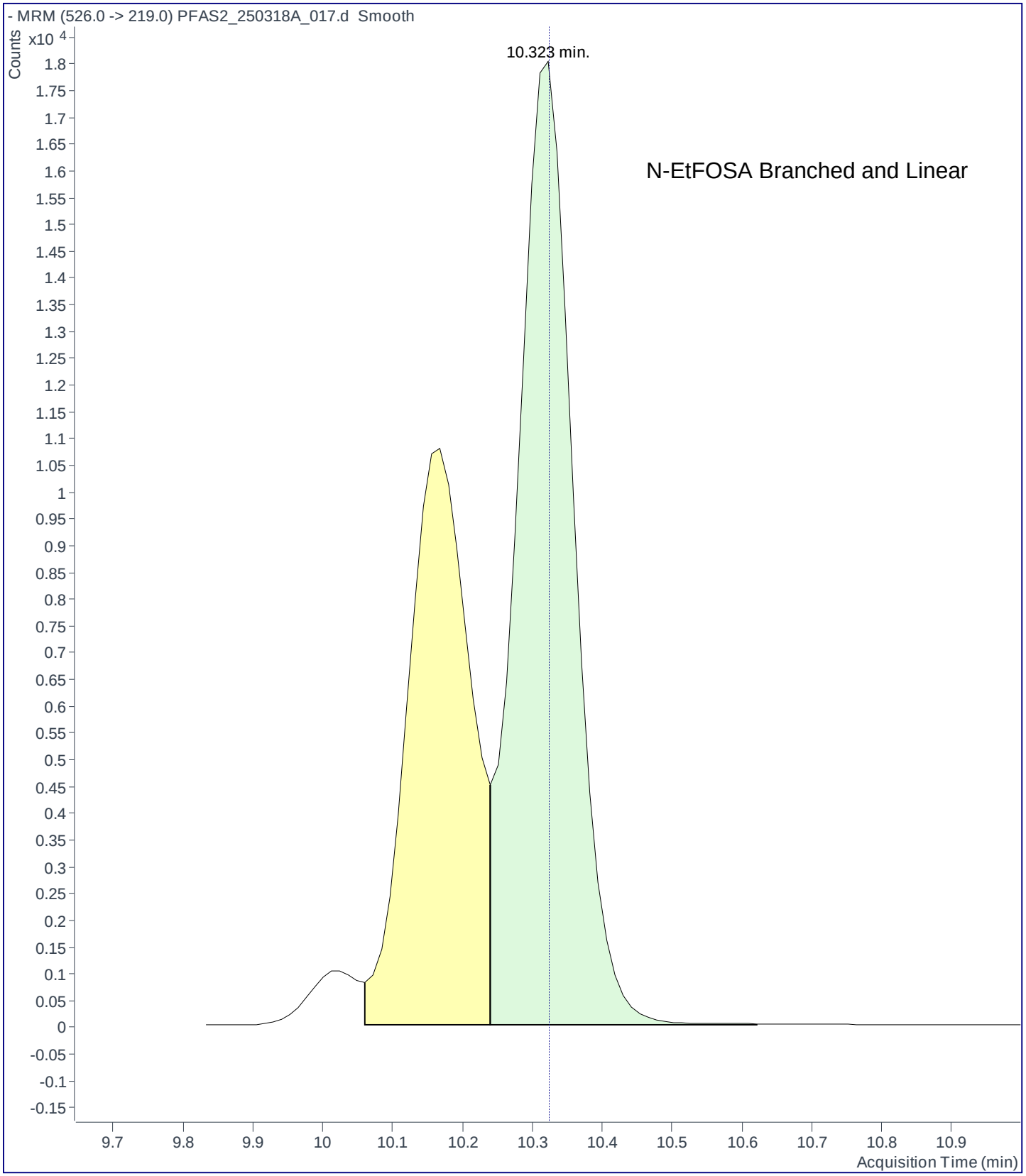
Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(C) March\250318A
Data File	PFAS2_250318A_017.d
Acq Operator	CP1
Acq. Date-Time	3/18/2025 8:06 PM
Instrument Name	PFAS2



Generated at 2:35 PM on 3/21/2025

Manual Integration and Raw Data Qualifiers and Definitions

H	Only half of the peak was integrated. A manual integration was performed to include the whole peak.
I	The peak was mis-identified. A manual integration was performed to pick the correct peak.
N	The peak was not integrated. A manual integration was performed to integrate the correct peak.
T	The peak was integrated with excessive tailing. A manual integration was performed to eliminate the excessive tailing.
C	The peak was cut off too soon. A manual integration was performed to include the rest of the peak.
B	The baseline was drawn incorrectly. A manual integration was performed to correct the baseline.
M	Two or more peaks were merged. A manual integration was performed to separate the peaks
d	The peak was deleted because it was mis-identified.

Analysis Class: Wet Chemistry

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW03RD-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-01	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 17:25	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW24-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-02	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/13/25 10:17	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

FD02-GW031325

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-03	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/13/25 09:30	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW30C-GW031225

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Groundwater	Laboratory ID:	O25C0608-04	File ID:	TSS-VSS_B25C0901_250317(
Sampled:	03/12/25 13:50	Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25C0901	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-BLK1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	0.2
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		0.400	0.800	10.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-BS1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	988	2.00	4.00	10.0	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP1	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	2
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	2,340	4.00	8.00	10.0	P

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25C0608
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP2	File ID:	TSS-VSS_B25C0901_250317(
		Prepared:	03/17/25 17:25	Analyzed:	03/18/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25C0901			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	9.00	2.00	4.00	10.0	

DUPLICATES

Lagoon Water

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP1
Batch:	B25C0901	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	1,660	ND P		*	10

* Values outside of QC limits

DUPLICATES

MW30RB-GW031125

Laboratory:	Sterling Labs	SDG:	O25C0608
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25C0901-DUP2
Batch:	B25C0901	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	ND	ND			10

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SM2540D 2011

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	No Prep 2540
Prep Batch:	B25C0901	Lab Sample ID:	B25C0901-BS1

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Suspended Solids (Residue, Non-filterable)	1,020	988	97	85 - 115

* Values outside of QC limits

`B25C0901~

TSS/VSS Analysis Worksheet

Standard Methods 2540 D-2011
Total Suspended Solids Dried at 103-105°C

$$TSS = \frac{(\text{Dry Pan} + \text{Filter} + \text{Sample}) - (\text{Pan} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Standard Methods 2540 E-2011
Fixed and Volatile Solids Ignited at 550° C

$$VSS = \frac{(\text{Ash Pan} + \text{Fiter} + \text{Sample}) - (\text{Dry Pan} + \text{sample} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Batch ID: B25C0901

Instrument: Balance 5

Acceptance limit : +/-0.1%

INITIAL Balance #	INITIAL Beginning check: 20.0000g =	INITIAL Beginning check: : 2.0000g=	INITIAL End Verification: 20.0000g=	INITIAL End Verification 2.0000g=	Final TSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=
5	19.9996	1.9999	19.9994	1.9998	5	19.9991	1.9996	19.9991	1.9994

Final VSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=	TSS Oven	VSS Furnace
					1	

Date/Time IN:	Date/Time IN:
3/17/2025 18:30	

Date/Time OUT	Date/Time OUT
3/18/2025 6:00	

Default Vol ml: 100

Analyst: OA1

*BLK and BS use Tare wt and not Dry Pan for VSS

Pan #	SampID	Client ID Source ID	Initial Volume	Pan + Filter Tare Wt. (gms)	Dry Pan + Filter + Sample Weight (g)	Ash Pan + Filter + Sample Weight (g)	units mg/L	TSS	VSS	Dilution	Comments
ABC	B25C0901-BLK1	Blank	500	6.9127	6.9117		mg/L	-2.0000		0.200	
TIS	B25C0901-BS1	LCS	100	6.8055	6.9043		mg/L	988.0000		1.000	
MOP	O25C0114-01	Treated Water	100	6.8856	6.8859		mg/L	3.0000		1.000	
RAM	O25C0114-02	Lagoon Water	50	6.8019	6.8848		mg/L	1658.0000		2.000	
LOL	B25C0901-DUP1	Duplicate O25C0114-02	50	6.8050	6.9221		mg/L	2342.0000		2.000	
ORG	O25C0114-03	Raw Water	50	6.8167	6.9006		mg/L	1678.0000		2.000	
CAB	O25C0522-01	MONDI-EOP EVC	100	6.8084	6.8180		mg/L	96.0000		1.000	
O7A	O25C0535-01	2A FPC	100	6.7772	6.7974		mg/L	202.0000		1.000	
DIL	O25C0550-01	MW03RA-GW031225	100	6.8801	6.8807		mg/L	6.0000		1.000	
MAR	O25C0550-02	MW03RB-GW031225	100	6.8201	6.8202		mg/L	1.0000		1.000	
IVA	O25C0550-03	MW03RC-GW031225	100	6.7949	6.7947		mg/L	-2.0000		1.000	
156	O25C0550-04	MW05R-GW031125	100	6.8955	6.8955		mg/L	0.0000		1.000	
AGE	O25C0550-05	MW29A-GW031125	100	6.7849	6.7849		mg/L	0.0000		1.000	
K06	O25C0550-06	FD01-GW031225	100	6.9026	6.9025		mg/L	-1.0000		1.000	
ING	O25C0550-07	MW29B-GW031125	100	6.8395	6.8398		mg/L	3.0000		1.000	
ZZA	O25C0550-08	MW29C-GW031125	100	6.8688	6.8683		mg/L	-5.0000		1.000	
374	O25C0550-09	MW30RA-GW031125	100	6.7874	6.7878		mg/L	4.0000		1.000	
551	O25C0550-10	MW30RB-GW031125	100	6.8807	6.8805		mg/L	-2.0000		1.000	
ROC	B25C0901-DUP2	Duplicate O25C0550-10	100	6.8830	6.8839		mg/L	9.0000		1.000	
INE	O25C0558-01	1A EVC	50	6.8825	6.9042		mg/L	434.0000		2.000	
EHJ	O25C0608-01	MW03RD-GW031225	100	6.7639	6.7641		mg/L	2.0000		1.000	
ESS	O25C0608-02	MW24-GW031325	100	6.8107	6.8115		mg/L	8.0000		1.000	
COM	O25C0608-03	FD02-GW031325	100	6.8191	6.8189		mg/L	-2.0000		1.000	
VOL	O25C0608-04	MW30C-GW031225	100	6.8384	6.8386		mg/L	2.0000		1.000	

= VSS is greater than TSS, all TSS is VSS

`B25C0901~

TSS/VSS Analysis Worksheet

Standard Methods 2540 D-2011
Total Suspended Solids Dried at 103-105°C

$$TSS = \frac{(\text{Dry Pan} + \text{Filter} + \text{Sample}) - (\text{Pan} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Standard Methods 2540 E-2011
Fixed and Volatile Solids Ignited at 550° C

$$VSS = \frac{(\text{Ash Pan} + \text{Fiter} + \text{Sample}) - (\text{Dry Pan} + \text{sample} + \text{Filter})}{\text{Sample Volume}} \times 10^6$$

Batch ID: B25C0901

Instrument: Balance 5

Acceptance limit : +/-0.1%

INITIAL Balance #	INITIAL Beginning check: 20.0000g =	INITIAL Beginning check: : 2.0000g=	INITIAL End Verification: 20.0000g=	INITIAL End Verification 2.0000g=	Final TSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=
5	19.9996	1.9999	19.9994	1.9998	5	19.9991	1.9996	19.9991	1.9994

Final VSS Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=	TSS Oven	VSS Furnace
5	19.9991	1.9996	19.9992	1.9998	1	1
					Date/Time IN:	Date/Time IN:
					3/17/2025 18:30	3/18/2025 10:10
					Date/Time OUT	Date/Time OUT
					3/18/2025 6:00	3/18/2025 14:10

Default Vol ml: 100

Analyst: OA1

*BLK and BS use Tare wt and not Dry Pan for VSS

Pan #	SampID	Client ID Source ID	Initial Volume	Pan + Filter Tare Wt. (gms)	Dry Pan + Filter + Sample Weight (g)	Ash Pan + Filter + Sample Weight (g)	units mg/L	TSS	VSS	Dilution	Comments
ABC	B25C0901-BLK1	Blank	500	6.9127	6.9117	6.9102	mg/L	-2.0000	5.0000	0.200	
TIS	B25C0901-BS1	LCS	100	6.8055	6.9043	6.9040	mg/L	988.0000	985.0000	1.000	
MOP	O25C0114-01	Treated Water	100	6.8856	6.8859		mg/L	3.0000		1.000	
RAM	O25C0114-02	Lagoon Water	50	6.8019	6.8848	6.8067	mg/L	1658.0000	1562.0000	2.000	
LOL	B25C0901-DUP1	Duplicate O25C0114-02	50	6.8050	6.9221	6.8105	mg/L	2342.0000	2232.0000	2.000	
ORG	O25C0114-03	Raw Water	50	6.8167	6.9006	6.8183	mg/L	1678.0000	1646.0000	2.000	
CAB	O25C0522-01	MONDI-EOP EVC	100	6.8084	6.8180		mg/L	96.0000		1.000	
O7A	O25C0535-01	2A FPC	100	6.7772	6.7974		mg/L	202.0000		1.000	
DIL	O25C0550-01	MW03RA-GW031225	100	6.8801	6.8807		mg/L	6.0000		1.000	
MAR	O25C0550-02	MW03RB-GW031225	100	6.8201	6.8202		mg/L	1.0000		1.000	
IVA	O25C0550-03	MW03RC-GW031225	100	6.7949	6.7947		mg/L	-2.0000		1.000	
156	O25C0550-04	MW05R-GW031125	100	6.8955	6.8955		mg/L	0.0000		1.000	
AGE	O25C0550-05	MW29A-GW031125	100	6.7849	6.7849		mg/L	0.0000		1.000	
K06	O25C0550-06	FD01-GW031225	100	6.9026	6.9025		mg/L	-1.0000		1.000	
ING	O25C0550-07	MW29B-GW031125	100	6.8395	6.8398		mg/L	3.0000		1.000	
ZZA	O25C0550-08	MW29C-GW031125	100	6.8688	6.8683		mg/L	-5.0000		1.000	
374	O25C0550-09	MW30RA-GW031125	100	6.7874	6.7878		mg/L	4.0000		1.000	
551	O25C0550-10	MW30RB-GW031125	100	6.8807	6.8805		mg/L	-2.0000		1.000	
ROC	B25C0901-DUP2	Duplicate O25C0550-10	100	6.8830	6.8839		mg/L	9.0000		1.000	
INE	O25C0558-01	1A EVC	50	6.8825	6.9042		mg/L	434.0000		2.000	
EHJ	O25C0608-01	MW03RD-GW031225	100	6.7639	6.7641		mg/L	2.0000		1.000	
ESS	O25C0608-02	MW24-GW031325	100	6.8107	6.8115		mg/L	8.0000		1.000	
COM	O25C0608-03	FD02-GW031325	100	6.8191	6.8189		mg/L	-2.0000		1.000	
VOL	O25C0608-04	MW30C-GW031225	100	6.8384	6.8386		mg/L	2.0000		1.000	

= VSS is greater than TSS, all TSS is VSS

PREPARATION BENCH SHEET
WC

B25C0901

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25C0901-BLK1	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-BS1	2540D TSS	3/17/25 17:25	100.00	100.00		25030402	100000			
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-DUP1	160.4 VSS	3/17/25 17:25	100.00	100.00	O25C0114-02					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25C0901-DUP2	2540D TSS	3/17/25 17:25	100.00	100.00	O25C0550-10					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-02	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0114-03	160.4 VSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0522-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0535-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

PREPARATION BENCH SHEET
WC

B25C0901

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0550-02	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-03	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-04	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-05	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-06	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-07	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-08	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-09	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0550-10	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0558-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

PREPARATION BENCH SHEET
WC

B25C0901

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
160.4 VSS
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25C0608-01	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-02	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-03	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25C0608-04	2540D TSS	3/17/25 17:25	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

Batch Comments:

Spiking Solution(s)

25030402	Solids working LCS_TSS

Reagents / Equipment

Standard	Description	LotNum
23100251	TSS Filters	17909304

sterling labs - O'Hare Location

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Analytical Report

Cherie Zakowski
CDM Federal Programs Corporation
555 17th Street, Ste 500
Denver, Co 80202

June 25, 2025

Work Order: O25F0365

RE: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Dear Cherie Zakowski:

Enclosed are the analytical reports for the Sterling Labs Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

Sincerely,

Olga Karplyuk
Project Manager
okarplyuk@TheSterlingLab.com
Approved: 6/25/2025 4:51:37PM

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Detection and Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable..

Department of Defense, Accredited by PJLA, Cert No. 75537

PJLA Testing DoD ELAP Accreditation No. 75537

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sterling labs - O'Hare Location
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Sample Summary

Sample ID	Laboratory	Laboratory ID	Matrix	Date Sampled	Date Received
FB01-GW060525	Sterling Labs	O25F0365-01	Water	06/05/25 10:30	06/06/25 09:45
FD02-GW060525	Sterling Labs	O25F0365-02	Water	06/05/25 11:00	06/06/25 09:45
MW39D-GW06025	Sterling Labs	O25F0365-03	Water	06/05/25 10:45	06/06/25 09:45
MW39S-GW060575	Sterling Labs	O25F0365-04	Water	06/05/25 14:10	06/06/25 09:45

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Case Narrative

Work Order: O25F0365
The samples were received on 6/6/2025 9:45:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
2025-464	3.1

The samples were received in good condition and were properly preserved.

Organics LC-MS-MS

1633_PFAS
Sequence CCV1 is only a place holder for the averaged NIS responses from the calibration to correct data in LIMS to have the proper internal reference (duplicate of CCV2). Current LIMS configuration only targets one selected calibration standard or opening CCV, so this is needed to have correct recoveries in LIMS based on averaged responses. The instrument reports are correct and recoveries are based on averages of calibration.

ISTD summary form for ICV reference responses listed are based on the LIMS target of the mid-point calibration standard. Responses for the analytical sequences corrected for averaged response factors and are in second summary report (CCV1 place holder correction). ICV responses are verified to be within acceptance limits for the method. The ISTD form results for the IFA and IFB are not applicable-qualitative checks only (if included and show qualifiers).

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Client Sample Results

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: FB01-GW060525
Report Date: 06/25/2025
Collection Date: 06/05/2025 10:30
Matrix: Water
Lab ID: O25F0365-01

Sterling Labs

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	**5.00**	10.0	J	mg/L	2.00	4.00	06/10/25 06:00	B25F0498	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.16	6.33	U	ng/L	0.47	3.16	06/12/25 23:39	B25F0614	CP1	1
PFPeA	< 1.58	3.16	U	ng/L	0.14	1.58	06/12/25 23:39	B25F0614	CP1	1
PFHxA	< 0.79	1.58	U	ng/L	0.13	0.79	06/12/25 23:39	B25F0614	CP1	1
PFHpA	< 0.79	1.58	U	ng/L	0.16	0.79	06/12/25 23:39	B25F0614	CP1	1
PFOA	**0.22**	1.58	J	ng/L	0.12	0.79	06/12/25 23:39	B25F0614	CP1	1
PFNA	< 0.79	1.58	U	ng/L	0.09	0.79	06/12/25 23:39	B25F0614	CP1	1
PFDA	< 0.79	1.58	U	ng/L	0.13	0.79	06/12/25 23:39	B25F0614	CP1	1
PFUnA	< 0.79	1.58	U	ng/L	0.19	0.79	06/12/25 23:39	B25F0614	CP1	1
PFDoA	< 0.79	1.58	U	ng/L	0.11	0.79	06/12/25 23:39	B25F0614	CP1	1
PFTrDA	< 0.79	1.58	U	ng/L	0.07	0.79	06/12/25 23:39	B25F0614	CP1	1
PFTeDA	< 0.79	1.58	U	ng/L	0.12	0.79	06/12/25 23:39	B25F0614	CP1	1
PFBS	< 0.70	1.40	U	ng/L	0.19	0.70	06/12/25 23:39	B25F0614	CP1	1
PFPeS	< 0.75	1.49	U	ng/L	0.21	0.75	06/12/25 23:39	B25F0614	CP1	1
PFHxS	< 0.72	1.44	U	ng/L	0.23	0.72	06/12/25 23:39	B25F0614	CP1	1
PFHpS	< 0.75	1.50	U	ng/L	0.41	0.75	06/12/25 23:39	B25F0614	CP1	1
PFOS	< 0.92	1.84	U	ng/L	0.22	0.92	06/12/25 23:39	B25F0614	CP1	1
PFNS	< 0.76	1.52	U	ng/L	0.20	0.76	06/12/25 23:39	B25F0614	CP1	1
PFDS	< 0.76	1.52	U	ng/L	0.14	0.76	06/12/25 23:39	B25F0614	CP1	1
PFDoS	< 0.77	1.53	U	ng/L	0.08	0.77	06/12/25 23:39	B25F0614	CP1	1
4:2FTS	< 2.97	5.93	U	ng/L	0.41	2.97	06/12/25 23:39	B25F0614	CP1	1
6:2FTS	< 3.01	6.01	U	ng/L	2.74	3.01	06/12/25 23:39	B25F0614	CP1	1
8:2FTS	< 3.03	6.07	U	ng/L	0.60	3.03	06/12/25 23:39	B25F0614	CP1	1
PFOSA	< 0.79	1.58	U	ng/L	0.10	0.79	06/12/25 23:39	B25F0614	CP1	1
NMeFOSA	< 0.79	1.58	U	ng/L	0.26	0.79	06/12/25 23:39	B25F0614	CP1	1
NEtFOSA	**0.35**	1.58	J	ng/L	0.31	0.79	06/12/25 23:39	B25F0614	CP1	1
NMeFOSAA	< 0.79	1.58	U	ng/L	0.43	0.79	06/12/25 23:39	B25F0614	CP1	1
NEtFOSAA	< 0.79	1.58	U	ng/L	0.29	0.79	06/12/25 23:39	B25F0614	CP1	1
NMeFOSE	**3.50**	15.8	J	ng/L	1.00	7.91	06/12/25 23:39	B25F0614	CP1	1
NEtFOSE	**4.19**	15.8	J	ng/L	1.25	7.91	06/12/25 23:39	B25F0614	CP1	1
HFPO-DA	< 1.58	3.16	U	ng/L	0.41	1.58	06/12/25 23:39	B25F0614	CP1	1
ADONA	< 1.49	2.99	U	ng/L	0.15	1.49	06/12/25 23:39	B25F0614	CP1	1
9CL-PF3ONS	< 1.48	2.96	U	ng/L	0.18	1.48	06/12/25 23:39	B25F0614	CP1	1
11CL-PF3OUdS	< 1.49	2.99	U	ng/L	0.31	1.49	06/12/25 23:39	B25F0614	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: FB01-GW060525
Report Date: 06/25/2025
Collection Date: 06/05/2025 10:30
Matrix: Water
Lab ID: O25F0365-01 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.16	6.33	U	ng/L	0.65	3.16	06/12/25 23:39	B25F0614	CP1	1
5:3FTCA	< 15.8	31.6	U	ng/L	3.62	15.8	06/12/25 23:39	B25F0614	CP1	1
7:3FTCA	< 15.8	31.6	U	ng/L	3.03	15.8	06/12/25 23:39	B25F0614	CP1	1
PFEESA	< 1.41	2.82	U	ng/L	0.17	1.41	06/12/25 23:39	B25F0614	CP1	1
PFMPA	< 1.58	3.16	U	ng/L	0.11	1.58	06/12/25 23:39	B25F0614	CP1	1
PFMBA	< 1.58	3.16	U	ng/L	0.12	1.58	06/12/25 23:39	B25F0614	CP1	1
NFDHA	< 1.58	3.16	U	ng/L	0.44	1.58	06/12/25 23:39	B25F0614	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 45%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 93%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 96%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 95%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 92%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 96%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 98%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 98%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 84%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 71%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 57%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 97%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 95%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 122%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 111%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 107%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 93%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 84%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 84%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 89%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 84%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 79%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 79%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 92%*	*Limits: 20-150*		*06/12/25 23:39*	*B25F0614*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: FD02-GW060525
Report Date: 06/25/2025
Collection Date: 06/05/2025 11:00
Matrix: Water
Lab ID: O25F0365-02

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	< 4.00	10.0	U	mg/L	2.00	4.00	06/10/25 06:00	B25F0498	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.14	6.28	U	ng/L	0.47	3.14	06/12/25 23:57	B25F0614	CP1	1
PFPeA	< 1.57	3.14	U	ng/L	0.14	1.57	06/12/25 23:57	B25F0614	CP1	1
PFHxA	< 0.78	1.57	U	ng/L	0.13	0.78	06/12/25 23:57	B25F0614	CP1	1
PFHpA	< 0.78	1.57	U	ng/L	0.16	0.78	06/12/25 23:57	B25F0614	CP1	1
PFOA	**0.24**	1.57	J	ng/L	0.12	0.78	06/12/25 23:57	B25F0614	CP1	1
PFNA	< 0.78	1.57	U	ng/L	0.09	0.78	06/12/25 23:57	B25F0614	CP1	1
PFDA	< 0.78	1.57	U	ng/L	0.13	0.78	06/12/25 23:57	B25F0614	CP1	1
PFUnA	< 0.78	1.57	U	ng/L	0.19	0.78	06/12/25 23:57	B25F0614	CP1	1
PFDoA	< 0.78	1.57	U	ng/L	0.11	0.78	06/12/25 23:57	B25F0614	CP1	1
PFTrDA	< 0.78	1.57	U	ng/L	0.07	0.78	06/12/25 23:57	B25F0614	CP1	1
PFTeDA	< 0.78	1.57	U	ng/L	0.12	0.78	06/12/25 23:57	B25F0614	CP1	1
PFBS	< 0.70	1.39	U	ng/L	0.19	0.70	06/12/25 23:57	B25F0614	CP1	1
PFPeS	< 0.74	1.48	U	ng/L	0.21	0.74	06/12/25 23:57	B25F0614	CP1	1
PFHxS	< 0.72	1.43	U	ng/L	0.23	0.72	06/12/25 23:57	B25F0614	CP1	1
PFHpS	< 0.75	1.49	U	ng/L	0.40	0.75	06/12/25 23:57	B25F0614	CP1	1
PFOS	< 0.91	1.82	U	ng/L	0.22	0.91	06/12/25 23:57	B25F0614	CP1	1
PFNS	< 0.76	1.51	U	ng/L	0.20	0.76	06/12/25 23:57	B25F0614	CP1	1
PFDS	< 0.76	1.51	U	ng/L	0.14	0.76	06/12/25 23:57	B25F0614	CP1	1
PFDoS	< 0.76	1.52	U	ng/L	0.08	0.76	06/12/25 23:57	B25F0614	CP1	1
4:2FTS	< 2.94	5.88	U	ng/L	0.40	2.94	06/12/25 23:57	B25F0614	CP1	1
6:2FTS	< 2.98	5.96	U	ng/L	2.72	2.98	06/12/25 23:57	B25F0614	CP1	1
8:2FTS	< 3.01	6.02	U	ng/L	0.60	3.01	06/12/25 23:57	B25F0614	CP1	1
PFOSA	< 0.78	1.57	U	ng/L	0.10	0.78	06/12/25 23:57	B25F0614	CP1	1
NMeFOSA	< 0.78	1.57	U	ng/L	0.26	0.78	06/12/25 23:57	B25F0614	CP1	1
NEtFOSA	< 0.78	1.57	U	ng/L	0.30	0.78	06/12/25 23:57	B25F0614	CP1	1
NMeFOSAA	< 0.78	1.57	U	ng/L	0.43	0.78	06/12/25 23:57	B25F0614	CP1	1
NEtFOSAA	< 0.78	1.57	U	ng/L	0.28	0.78	06/12/25 23:57	B25F0614	CP1	1
NMeFOSE	< 7.85	15.7	U	ng/L	0.99	7.85	06/12/25 23:57	B25F0614	CP1	1
NEtFOSE	< 7.85	15.7	U	ng/L	1.24	7.85	06/12/25 23:57	B25F0614	CP1	1
HFPO-DA	< 1.57	3.14	U	ng/L	0.40	1.57	06/12/25 23:57	B25F0614	CP1	1
ADONA	< 1.48	2.96	U	ng/L	0.15	1.48	06/12/25 23:57	B25F0614	CP1	1
9CL-PF3ONS	< 1.47	2.93	U	ng/L	0.18	1.47	06/12/25 23:57	B25F0614	CP1	1
11CL-PF3OUdS	< 1.48	2.96	U	ng/L	0.30	1.48	06/12/25 23:57	B25F0614	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: FD02-GW060525
Report Date: 06/25/2025
Collection Date: 06/05/2025 11:00
Matrix: Water
Lab ID: O25F0365-02 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.14	6.28	U	ng/L	0.65	3.14	06/12/25 23:57	B25F0614	CP1	1
5:3FTCA	< 15.7	31.4	U	ng/L	3.59	15.7	06/12/25 23:57	B25F0614	CP1	1
7:3FTCA	< 15.7	31.4	U	ng/L	3.00	15.7	06/12/25 23:57	B25F0614	CP1	1
PFEESA	< 1.40	2.80	U	ng/L	0.17	1.40	06/12/25 23:57	B25F0614	CP1	1
PFMPA	< 1.57	3.14	U	ng/L	0.11	1.57	06/12/25 23:57	B25F0614	CP1	1
PFMBA	< 1.57	3.14	U	ng/L	0.12	1.57	06/12/25 23:57	B25F0614	CP1	1
NFDHA	< 1.57	3.14	U	ng/L	0.44	1.57	06/12/25 23:57	B25F0614	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 64%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 98%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 99%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 99%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 98%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 97%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 98%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 96%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 89%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 81%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 73%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 101%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 95%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 99%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 131%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 121%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 107%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 92%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 80%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 73%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 93%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 89%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 82%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 80%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 96%*	*Limits: 20-150*		*06/12/25 23:57*	*B25F0614*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: MW39D-GW06025
Report Date: 06/25/2025
Collection Date: 06/05/2025 10:45
Matrix: Water
Lab ID: O25F0365-03

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	**2.00**	10.0	J	mg/L	2.00	4.00	06/10/25 06:00	B25F0498	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.10	6.19	U	ng/L	0.46	3.10	06/13/25 00:14	B25F0614	CP1	1
PFPeA	< 1.55	3.10	U	ng/L	0.14	1.55	06/13/25 00:14	B25F0614	CP1	1
PFHxA	< 0.77	1.55	U	ng/L	0.13	0.77	06/13/25 00:14	B25F0614	CP1	1
PFHpA	< 0.77	1.55	U	ng/L	0.15	0.77	06/13/25 00:14	B25F0614	CP1	1
PFOA	**0.22**	1.55	J	ng/L	0.12	0.77	06/13/25 00:14	B25F0614	CP1	1
PFNA	< 0.77	1.55	U	ng/L	0.09	0.77	06/13/25 00:14	B25F0614	CP1	1
PFDA	< 0.77	1.55	U	ng/L	0.13	0.77	06/13/25 00:14	B25F0614	CP1	1
PFUnA	< 0.77	1.55	U	ng/L	0.18	0.77	06/13/25 00:14	B25F0614	CP1	1
PFDoA	< 0.77	1.55	U	ng/L	0.11	0.77	06/13/25 00:14	B25F0614	CP1	1
PFTrDA	< 0.77	1.55	U	ng/L	0.07	0.77	06/13/25 00:14	B25F0614	CP1	1
PFTeDA	< 0.77	1.55	U	ng/L	0.12	0.77	06/13/25 00:14	B25F0614	CP1	1
PFBS	< 0.69	1.37	U	ng/L	0.18	0.69	06/13/25 00:14	B25F0614	CP1	1
PFPeS	< 0.73	1.46	U	ng/L	0.20	0.73	06/13/25 00:14	B25F0614	CP1	1
PFHxS	< 0.71	1.41	U	ng/L	0.22	0.71	06/13/25 00:14	B25F0614	CP1	1
PFHpS	< 0.74	1.47	U	ng/L	0.40	0.74	06/13/25 00:14	B25F0614	CP1	1
PFOS	< 0.90	1.80	U	ng/L	0.21	0.90	06/13/25 00:14	B25F0614	CP1	1
PFNS	< 0.75	1.49	U	ng/L	0.19	0.75	06/13/25 00:14	B25F0614	CP1	1
PFDS	< 0.75	1.49	U	ng/L	0.14	0.75	06/13/25 00:14	B25F0614	CP1	1
PFDoS	< 0.75	1.50	U	ng/L	0.08	0.75	06/13/25 00:14	B25F0614	CP1	1
4:2FTS	< 2.90	5.81	U	ng/L	0.40	2.90	06/13/25 00:14	B25F0614	CP1	1
6:2FTS	< 2.94	5.88	U	ng/L	2.68	2.94	06/13/25 00:14	B25F0614	CP1	1
8:2FTS	< 2.97	5.94	U	ng/L	0.59	2.97	06/13/25 00:14	B25F0614	CP1	1
PFOSA	< 0.77	1.55	U	ng/L	0.10	0.77	06/13/25 00:14	B25F0614	CP1	1
NMeFOSA	< 0.77	1.55	U	ng/L	0.25	0.77	06/13/25 00:14	B25F0614	CP1	1
NEtFOSA	< 0.77	1.55	U	ng/L	0.30	0.77	06/13/25 00:14	B25F0614	CP1	1
NMeFOSAA	< 0.77	1.55	U	ng/L	0.43	0.77	06/13/25 00:14	B25F0614	CP1	1
NEtFOSAA	< 0.77	1.55	U	ng/L	0.28	0.77	06/13/25 00:14	B25F0614	CP1	1
NMeFOSE	< 7.74	15.5	U	ng/L	0.98	7.74	06/13/25 00:14	B25F0614	CP1	1
NEtFOSE	< 7.74	15.5	U	ng/L	1.22	7.74	06/13/25 00:14	B25F0614	CP1	1
HFPO-DA	< 1.55	3.10	U	ng/L	0.40	1.55	06/13/25 00:14	B25F0614	CP1	1
ADONA	< 1.46	2.92	U	ng/L	0.15	1.46	06/13/25 00:14	B25F0614	CP1	1
9CL-PF3ONS	< 1.45	2.89	U	ng/L	0.17	1.45	06/13/25 00:14	B25F0614	CP1	1
11CL-PF3OUdS	< 1.46	2.92	U	ng/L	0.30	1.46	06/13/25 00:14	B25F0614	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: MW39D-GW06025
Report Date: 06/25/2025
Collection Date: 06/05/2025 10:45
Matrix: Water
Lab ID: O25F0365-03 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.10	6.19	U	ng/L	0.64	3.10	06/13/25 00:14	B25F0614	CP1	1
5:3FTCA	< 15.5	31.0	U	ng/L	3.54	15.5	06/13/25 00:14	B25F0614	CP1	1
7:3FTCA	< 15.5	31.0	U	ng/L	2.96	15.5	06/13/25 00:14	B25F0614	CP1	1
PFEESA	< 1.38	2.76	U	ng/L	0.16	1.38	06/13/25 00:14	B25F0614	CP1	1
PFMPA	< 1.55	3.10	U	ng/L	0.11	1.55	06/13/25 00:14	B25F0614	CP1	1
PFMBA	< 1.55	3.10	U	ng/L	0.12	1.55	06/13/25 00:14	B25F0614	CP1	1
NFDHA	< 1.55	3.10	U	ng/L	0.44	1.55	06/13/25 00:14	B25F0614	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 60%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 96%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 98%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 96%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 98%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 96%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 86%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 79%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 72%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 100%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 95%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 125%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 112%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 103%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 90%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 75%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 71%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 89%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 86%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 77%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 76%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 92%*	*Limits: 20-150*		*06/13/25 00:14*	*B25F0614*	*CP1*	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: MW39S-GW060575
Report Date: 06/25/2025
Collection Date: 06/05/2025 14:10
Matrix: Water
Lab ID: O25F0365-04

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
Sterling Labs										
Wet Chemistry										
Method: SM2540D 2011										
Suspended Solids (Residue, Non-filterable)	**10.0**	10.0		mg/L	2.00	4.00	06/10/25 06:00	B25F0498	OA1	1
PFAS Substances by LC-MS-MS										
Method: E1633										
PFBA	< 3.06	6.12	U	ng/L	0.46	3.06	06/13/25 00:32	B25F0614	CP1	1
PFPeA	< 1.53	3.06	U	ng/L	0.13	1.53	06/13/25 00:32	B25F0614	CP1	1
PFHxA	**0.35**	1.53	J	ng/L	0.12	0.76	06/13/25 00:32	B25F0614	CP1	1
PFHpA	< 0.76	1.53	U	ng/L	0.15	0.76	06/13/25 00:32	B25F0614	CP1	1
PFOA	**0.25**	1.53	J	ng/L	0.11	0.76	06/13/25 00:32	B25F0614	CP1	1
PFNA	< 0.76	1.53	U	ng/L	0.09	0.76	06/13/25 00:32	B25F0614	CP1	1
PFDA	< 0.76	1.53	U	ng/L	0.12	0.76	06/13/25 00:32	B25F0614	CP1	1
PFUnA	< 0.76	1.53	U	ng/L	0.18	0.76	06/13/25 00:32	B25F0614	CP1	1
PFDoA	< 0.76	1.53	U	ng/L	0.11	0.76	06/13/25 00:32	B25F0614	CP1	1
PFTrDA	< 0.76	1.53	U	ng/L	0.07	0.76	06/13/25 00:32	B25F0614	CP1	1
PFTeDA	< 0.76	1.53	U	ng/L	0.11	0.76	06/13/25 00:32	B25F0614	CP1	1
PFBS	**0.62**	1.36	J	ng/L	0.18	0.68	06/13/25 00:32	B25F0614	CP1	1
PFPeS	< 0.72	1.44	U	ng/L	0.20	0.72	06/13/25 00:32	B25F0614	CP1	1
PFHxS	< 0.70	1.40	U	ng/L	0.22	0.70	06/13/25 00:32	B25F0614	CP1	1
PFHpS	< 0.73	1.45	U	ng/L	0.39	0.73	06/13/25 00:32	B25F0614	CP1	1
PFOS	< 0.89	1.78	U	ng/L	0.21	0.89	06/13/25 00:32	B25F0614	CP1	1
PFNS	< 0.74	1.47	U	ng/L	0.19	0.74	06/13/25 00:32	B25F0614	CP1	1
PFDS	< 0.74	1.47	U	ng/L	0.13	0.74	06/13/25 00:32	B25F0614	CP1	1
PFDoS	< 0.74	1.48	U	ng/L	0.08	0.74	06/13/25 00:32	B25F0614	CP1	1
4:2FTS	< 2.87	5.73	U	ng/L	0.39	2.87	06/13/25 00:32	B25F0614	CP1	1
6:2FTS	< 2.91	5.81	U	ng/L	2.65	2.91	06/13/25 00:32	B25F0614	CP1	1
8:2FTS	< 2.93	5.87	U	ng/L	0.58	2.93	06/13/25 00:32	B25F0614	CP1	1
PFOSA	< 0.76	1.53	U	ng/L	0.10	0.76	06/13/25 00:32	B25F0614	CP1	1
NMeFOSA	< 0.76	1.53	U	ng/L	0.25	0.76	06/13/25 00:32	B25F0614	CP1	1
NEtFOSA	< 0.76	1.53	U	ng/L	0.30	0.76	06/13/25 00:32	B25F0614	CP1	1
NMeFOSAA	< 0.76	1.53	U	ng/L	0.42	0.76	06/13/25 00:32	B25F0614	CP1	1
NEtFOSAA	< 0.76	1.53	U	ng/L	0.28	0.76	06/13/25 00:32	B25F0614	CP1	1
NMeFOSE	< 7.65	15.3	U	ng/L	0.97	7.65	06/13/25 00:32	B25F0614	CP1	1
NEtFOSE	< 7.65	15.3	U	ng/L	1.20	7.65	06/13/25 00:32	B25F0614	CP1	1
HFPO-DA	< 1.53	3.06	U	ng/L	0.39	1.53	06/13/25 00:32	B25F0614	CP1	1
ADONA	< 1.44	2.89	U	ng/L	0.14	1.44	06/13/25 00:32	B25F0614	CP1	1
9CL-PF3ONS	< 1.43	2.86	U	ng/L	0.17	1.43	06/13/25 00:32	B25F0614	CP1	1
11CL-PF3OUdS	< 1.44	2.89	U	ng/L	0.30	1.44	06/13/25 00:32	B25F0614	CP1	1

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Client Sample Results

(Continued)

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Client Sample ID: MW39S-GW060575
Report Date: 06/25/2025
Collection Date: 06/05/2025 14:10
Matrix: Water
Lab ID: O25F0365-04 (Continued)

Sterling Labs

PFAS Substances by LC-MS-MS (Continued)

Method: E1633 (Continued)

Analyses	Result	Reporting Limit	Qual	Units	MDL	LOD	Date/Time Analyzed	Batch	Analyst	DF
3:3FTCA	< 3.06	6.12	U	ng/L	0.63	3.06	06/13/25 00:32	B25F0614	CP1	1
5:3FTCA	< 15.3	30.6	U	ng/L	3.50	15.3	06/13/25 00:32	B25F0614	CP1	1
7:3FTCA	< 15.3	30.6	U	ng/L	2.92	15.3	06/13/25 00:32	B25F0614	CP1	1
PFEESA	< 1.36	2.72	U	ng/L	0.16	1.36	06/13/25 00:32	B25F0614	CP1	1
PFMPA	< 1.53	3.06	U	ng/L	0.11	1.53	06/13/25 00:32	B25F0614	CP1	1
PFMBA	< 1.53	3.06	U	ng/L	0.11	1.53	06/13/25 00:32	B25F0614	CP1	1
NFDHA	< 1.53	3.06	U	ng/L	0.43	1.53	06/13/25 00:32	B25F0614	CP1	1
Surrogate: 13C4-PFBA				*Recovery: 59%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFPeA				*Recovery: 98%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C5-PFHxA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C4-PFHpA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOA				*Recovery: 96%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C9-PFNA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C6-PFDA				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C7-PFUnA				*Recovery: 95%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFDoA				*Recovery: 88%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA				*Recovery: 79%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C2-PFTeDA				*Recovery: 70%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFBS				*Recovery: 100%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C3-PFHxS				*Recovery: 97%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOS				*Recovery: 92%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C2-4:2FTS				*Recovery: 124%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C2-6:2FTS				*Recovery: 117%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C2-8:2FTS				*Recovery: 113%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C8-PFOSA				*Recovery: 92%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSA				*Recovery: 75%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSA				*Recovery: 72%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D3-NMeFOSAA				*Recovery: 88%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D5-NEtFOSAA				*Recovery: 87%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D7-NMeFOSE				*Recovery: 79%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: D9-NEtFOSE				*Recovery: 77%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1
Surrogate: 13C3-HFPO-DA				*Recovery: 95%*	*Limits: 20-150*		*06/13/25 00:32*	*B25F0614*	*CP1*	1

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Dates Report

Client: CDM Federal Programs Corporation

Report Date: 06/25/2025

Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25F0365

Sample ID	Client Sample ID	Collection	Matrix	Test Name	Leached Prep Date	Prep Date	Analysis Date	Batch ID	Sequence
O25F0365-01	FB01-GW060525	06/05/25	Water	Total Suspended Solids (TSS)		06/09/25 17:14	06/10/25 06:00	B25F0498	
				Per and Polyfluoroalkyl Substances (PFAS)	06/09/25 17:14	06/11/25 11:09	06/12/25 23:39	B25F0614	S25F0493
O25F0365-02	FD02-GW060525	06/05/25		Total Suspended Solids (TSS)		06/09/25 17:14	06/10/25 06:00	B25F0498	
				Per and Polyfluoroalkyl Substances (PFAS)	06/09/25 17:14	06/11/25 11:09	06/12/25 23:57	B25F0614	S25F0493
O25F0365-03	MW39D-GW06025	06/05/25		Total Suspended Solids (TSS)		06/09/25 17:14	06/10/25 06:00	B25F0498	
				Per and Polyfluoroalkyl Substances (PFAS)	06/09/25 17:14	06/11/25 11:09	06/13/25 00:14	B25F0614	S25F0493
O25F0365-04	MW39S-GW060575	06/05/25		Total Suspended Solids (TSS)		06/09/25 17:14	06/10/25 06:00	B25F0498	
				Per and Polyfluoroalkyl Substances (PFAS)	06/09/25 17:14	06/11/25 11:09	06/13/25 00:32	B25F0614	S25F0493

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Quality Control

Client: Cherie Zakowski
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Work Order: O25F0365

Report Date: 06/25/2025
Matrix: Water

Wet Chemistry

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0498											
(B25F0498-BLK1), Blank				*Prepared: 06/09/2025 17:14*			*Analyzed: 06/10/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	<0.800	10.0	mg/L							U	0.2
(B25F0498-BS1), LCS				*Prepared: 06/09/2025 17:14*			*Analyzed: 06/10/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	1,000	10.0	mg/L	1,030		98	85-115				1
(B25F0498-DUP1), Duplicate		**Source: O25F0277-02**		*Prepared: 06/09/2025 17:14*			*Analyzed: 06/10/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	6.00	10.0	mg/L		5.00			18	10	P, J	1
(B25F0498-DUP2), Duplicate		**Source: O25F0365-03**		*Prepared: 06/09/2025 17:14*			*Analyzed: 06/10/2025 06:00*				
Suspended Solids (Residue, Non-filterable)	<4.00	10.0	mg/L		2.00				10	U	1

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Quality Control

(Continued)

Client: Cherie Zakowski
Report Date: 06/25/2025
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Matrix: Water
Work Order: O25F0365

PFAS Substances by LC-MS-MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614											
(B25F0614-BLK1), Blank				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 20:26*				
PFBA	<3.20	6.40	ng/L							U	1
PFPeA	<1.60	3.20	ng/L							U	1
PFHxA	<0.80	1.60	ng/L							U	1
PFHpA	<0.80	1.60	ng/L							U	1
PFOA	0.24	1.60	ng/L							J	1
PFNA	<0.80	1.60	ng/L							U	1
PFDA	<0.80	1.60	ng/L							U	1
PFUnA	<0.80	1.60	ng/L							U	1
PFDoA	<0.80	1.60	ng/L							U	1
PFTrDA	<0.80	1.60	ng/L							U	1
PFTeDA	<0.80	1.60	ng/L							U	1
PFBS	<0.71	1.42	ng/L							U	1
PFPeS	<0.76	1.51	ng/L							U	1
PFHxS	<0.73	1.46	ng/L							U	1
PFHpS	<0.76	1.52	ng/L							U	1
PFOS	<0.93	1.86	ng/L							U	1
PFNS	<0.77	1.54	ng/L							U	1
PFDS	<0.77	1.54	ng/L							U	1
PFDoS	<0.78	1.55	ng/L							U	1
4:2FTS	<3.00	6.00	ng/L							U	1
6:2FTS	<3.04	6.08	ng/L							U	1
8:2FTS	<3.07	6.14	ng/L							U	1
PFOSA	<0.80	1.60	ng/L							U	1
NMeFOSA	<0.80	1.60	ng/L							U	1
NEtFOSA	<0.80	1.60	ng/L							U	1
NMeFOSAA	<0.80	1.60	ng/L							U	1
NEtFOSAA	<0.80	1.60	ng/L							U	1
NMeFOSE	<8.00	16.0	ng/L							U	1
NEtFOSE	<8.00	16.0	ng/L							U	1
HFPO-DA	<1.60	3.20	ng/L							U	1
ADONA	<1.51	3.02	ng/L							U	1
9CL-PF3ONS	<1.50	2.99	ng/L							U	1
11CL-PF3OUdS	<1.51	3.02	ng/L							U	1
3:3FTCA	<3.20	6.40	ng/L							U	1
5:3FTCA	<16.0	32.0	ng/L							U	1
7:3FTCA	<16.0	32.0	ng/L							U	1
PFEESA	<1.42	2.85	ng/L							U	1
PFMPA	<1.60	3.20	ng/L							U	1
PFMBA	<1.60	3.20	ng/L							U	1
NFDHA	<1.60	3.20	ng/L							U	1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 06/25/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25F0365

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614 *(Continued)*											
(B25F0614-BLK1), Blank (Continued)				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 20:26*				
Surrogate: 13C4-PFBA	*43.4*		*ng/L*	*100*		*43*	*20-150*				*1*
Surrogate: 13C5-PFPeA	*46.6*		*ng/L*	*50.0*		*93*	*20-150*				*1*
Surrogate: 13C5-PFHxA	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				*1*
Surrogate: 13C4-PFHpA	*23.6*		*ng/L*	*25.0*		*95*	*20-150*				*1*
Surrogate: 13C8-PFOA	*23.6*		*ng/L*	*25.0*		*95*	*20-150*				*1*
Surrogate: 13C9-PFNA	*12.0*		*ng/L*	*12.5*		*96*	*20-150*				*1*
Surrogate: 13C6-PFDA	*12.2*		*ng/L*	*12.5*		*98*	*20-150*				*1*
Surrogate: 13C7-PFUnA	*12.4*		*ng/L*	*12.5*		*99*	*20-150*				*1*
Surrogate: 13C2-PFDoA	*11.7*		*ng/L*	*12.5*		*93*	*20-150*				*1*
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.1*		*ng/L*	*12.5*		*81*	*20-150*				*1*
Surrogate: 13C2-PFTeDA	*8.49*		*ng/L*	*12.5*		*68*	*20-150*				*1*
Surrogate: 13C3-PFBS	*24.7*		*ng/L*	*25.0*		*99*	*20-150*				*1*
Surrogate: 13C3-PFHxS	*23.3*		*ng/L*	*25.0*		*93*	*20-150*				*1*
Surrogate: 13C8-PFOS	*23.9*		*ng/L*	*25.0*		*96*	*20-150*				*1*
Surrogate: 13C2-4:2FTS	*62.6*		*ng/L*	*50.0*		*125*	*20-150*				*1*
Surrogate: 13C2-6:2FTS	*56.7*		*ng/L*	*50.0*		*113*	*20-150*				*1*
Surrogate: 13C2-8:2FTS	*52.4*		*ng/L*	*50.0*		*105*	*20-150*				*1*
Surrogate: 13C8-PFOSA	*23.1*		*ng/L*	*25.0*		*92*	*20-150*				*1*
Surrogate: D3-NMeFOSA	*21.7*		*ng/L*	*25.0*		*87*	*20-150*				*1*
Surrogate: D5-NEtFOSA	*21.1*		*ng/L*	*25.0*		*84*	*20-150*				*1*
Surrogate: D3-NMeFOSAA	*46.0*		*ng/L*	*50.0*		*92*	*20-150*				*1*
Surrogate: D5-NEtFOSAA	*46.4*		*ng/L*	*50.0*		*93*	*20-150*				*1*
Surrogate: D7-NMeFOSE	*199*		*ng/L*	*250*		*80*	*20-150*				*1*
Surrogate: D9-NEtFOSE	*200*		*ng/L*	*250*		*80*	*20-150*				*1*
Surrogate: 13C3-HFPO-DA	*93.4*		*ng/L*	*100*		*93*	*20-150*				*1*
(B25F0614-BS1), LLCS				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 20:43*				
PFBA	20.4	6.40	ng/L	20.0		102	40-150				1
PFPeA	10.3	3.20	ng/L	10.0		103	40-150				1
PFHxA	5.20	1.60	ng/L	5.00		104	40-150				1
PFHpA	5.19	1.60	ng/L	5.00		104	40-150				1
PFOA	5.19	1.60	ng/L	5.00		104	40-150				1
PFNA	4.78	1.60	ng/L	5.00		96	40-150				1
PFDA	5.04	1.60	ng/L	5.00		101	40-150				1
PFUnA	5.13	1.60	ng/L	5.00		103	40-150				1
PFDoA	5.04	1.60	ng/L	5.00		101	40-150				1
PFTrDA	5.71	1.60	ng/L	5.00		114	40-150				1
PFTeDA	5.21	1.60	ng/L	5.00		104	40-150				1
PFBS	4.50	1.42	ng/L	4.42		102	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 06/25/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25F0365

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614 *(Continued)*											
(B25F0614-BS1), LLCS (Continued)				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 20:43*				
PFPeS	4.78	1.51	ng/L	4.70		102	40-150				1
PFHxS	4.70	1.46	ng/L	4.58		103	40-150				1
PFHpS	4.77	1.52	ng/L	4.78		100	40-150				1
PFOS	4.50	1.86	ng/L	4.65		97	40-150				1
PFNS	4.77	1.54	ng/L	4.80		99	40-150				1
PFDS	4.63	1.54	ng/L	4.82		96	40-150				1
PFDoS	4.15	1.55	ng/L	4.85		85	40-150				1
4:2FTS	20.5	6.00	ng/L	18.8		109	40-150				1
6:2FTS	20.0	6.08	ng/L	19.0		105	40-150				1
8:2FTS	21.3	6.14	ng/L	19.2		111	40-150				1
PFOSA	5.32	1.60	ng/L	5.00		106	40-150				1
NMeFOSA	4.88	1.60	ng/L	5.00		98	40-150				1
NEtFOSA	4.65	1.60	ng/L	5.00		93	40-150				1
NMeFOSAA	4.93	1.60	ng/L	5.00		99	40-150				1
NEtFOSAA	5.01	1.60	ng/L	5.00		100	40-150				1
NMeFOSE	51.8	16.0	ng/L	50.0		104	40-150				1
NEtFOSE	51.9	16.0	ng/L	50.0		104	40-150				1
HFPO-DA	9.36	3.20	ng/L	10.0		94	40-150				1
ADONA	9.39	3.02	ng/L	9.45		99	40-150				1
9CL-PF3ONS	9.33	2.99	ng/L	9.35		100	40-150				1
11CL-PF3OUdS	9.11	3.02	ng/L	9.45		96	40-150				1
3:3FTCA	12.9	6.40	ng/L	20.0		65	40-150				1
5:3FTCA	94.4	32.0	ng/L	100		94	40-150				1
7:3FTCA	89.4	32.0	ng/L	100		89	40-150				1
PFEESA	8.39	2.85	ng/L	8.90		94	40-150				1
PFMPA	7.56	3.20	ng/L	10.0		76	40-150				1
PFMBA	10.1	3.20	ng/L	10.0		101	40-150				1
NFDHA	9.39	3.20	ng/L	10.0		94	40-150				1
Surrogate: 13C4-PFBA	*40.1*		*ng/L*	*100*		*40*	*20-150*				1
Surrogate: 13C5-PFPeA	*46.6*		*ng/L*	*50.0*		*93*	*20-150*				1
Surrogate: 13C5-PFHxA	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C4-PFHpA	*23.8*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C8-PFOA	*24.1*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: 13C9-PFNA	*12.4*		*ng/L*	*12.5*		*99*	*20-150*				1
Surrogate: 13C6-PFDA	*12.6*		*ng/L*	*12.5*		*101*	*20-150*				1
Surrogate: 13C7-PFUnA	*12.5*		*ng/L*	*12.5*		*100*	*20-150*				1
Surrogate: 13C2-PFDoA	*12.1*		*ng/L*	*12.5*		*96*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.7*		*ng/L*	*12.5*		*86*	*20-150*				1
Surrogate: 13C2-PFTeDA	*9.30*		*ng/L*	*12.5*		*74*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski **Report Date:** 06/25/2025

Project: Salt Lake City VA PFAS **Matrix:** Water
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site

Work Order: O25F0365

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614 *(Continued)*											
(B25F0614-BS1), LLCS (Continued)				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 20:43*				
Surrogate: 13C3-PFBS	*24.2*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C3-PFHxS	*23.8*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C8-PFOS	*24.3*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C2-4:2FTS	*61.2*		*ng/L*	*50.0*		*122*	*20-150*				1
Surrogate: 13C2-6:2FTS	*56.2*		*ng/L*	*50.0*		*112*	*20-150*				1
Surrogate: 13C2-8:2FTS	*53.6*		*ng/L*	*50.0*		*107*	*20-150*				1
Surrogate: 13C8-PFOSA	*23.2*		*ng/L*	*25.0*		*93*	*20-150*				1
Surrogate: D3-NMeFOSA	*20.8*		*ng/L*	*25.0*		*83*	*20-150*				1
Surrogate: D5-NEtFOSA	*20.5*		*ng/L*	*25.0*		*82*	*20-150*				1
Surrogate: D3-NMeFOSAA	*46.1*		*ng/L*	*50.0*		*92*	*20-150*				1
Surrogate: D5-NEtFOSAA	*47.5*		*ng/L*	*50.0*		*95*	*20-150*				1
Surrogate: D7-NMeFOSE	*189*		*ng/L*	*250*		*75*	*20-150*				1
Surrogate: D9-NEtFOSE	*185*		*ng/L*	*250*		*74*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*93.6*		*ng/L*	*100*		*94*	*20-150*				1
(B25F0614-BS2), HLCS				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 21:01*				
PFBA	217	6.40	ng/L	200		108	40-150				1
PFPeA	107	3.20	ng/L	100		107	40-150				1
PFHxA	54.3	1.60	ng/L	50.0		109	40-150				1
PFHpA	53.3	1.60	ng/L	50.0		107	40-150				1
PFOA	54.7	1.60	ng/L	50.0		109	40-150				1
PFNA	53.4	1.60	ng/L	50.0		107	40-150				1
PFDA	54.8	1.60	ng/L	50.0		110	40-150				1
PFUnA	53.0	1.60	ng/L	50.0		106	40-150				1
PFDoA	54.9	1.60	ng/L	50.0		110	40-150				1
PFTrDA	58.7	1.60	ng/L	50.0		117	40-150				1
PFTeDA	54.2	1.60	ng/L	50.0		108	40-150				1
PFBS	49.8	1.42	ng/L	44.2		113	40-150				1
PFPeS	52.4	1.51	ng/L	47.0		112	40-150				1
PFHxS	50.8	1.46	ng/L	45.8		111	40-150				1
PFHpS	51.3	1.52	ng/L	47.8		107	40-150				1
PFOS	50.8	1.86	ng/L	46.5		109	40-150				1
PFNS	51.3	1.54	ng/L	48.0		107	40-150				1
PFDS	49.1	1.54	ng/L	48.2		102	40-150				1
PFDoS	40.3	1.55	ng/L	48.5		83	40-150				1
4:2FTS	225	6.00	ng/L	188		120	40-150				1
6:2FTS	218	6.08	ng/L	190		114	40-150				1
8:2FTS	217	6.14	ng/L	192		113	40-150				1
PFOSA	55.1	1.60	ng/L	50.0		110	40-150				1
NMeFOSA	51.8	1.60	ng/L	50.0		104	40-150				1

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Quality Control

(Continued)

Client: Cherie Zakowski
Report Date: 06/25/2025
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Matrix: Water
Work Order: O25F0365

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614 *(Continued)*											
(B25F0614-BS2), HLCS (Continued)				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 21:01*				
NEtFOSA	51.5	1.60	ng/L	50.0		103	40-150				1
NMeFOSAA	55.1	1.60	ng/L	50.0		110	40-150				1
NEtFOSAA	52.7	1.60	ng/L	50.0		105	40-150				1
NMeFOSE	542	16.0	ng/L	500		108	40-150				1
NEtFOSE	547	16.0	ng/L	500		109	40-150				1
HFPO-DA	105	3.20	ng/L	100		105	40-150				1
ADONA	96.3	3.02	ng/L	94.5		102	40-150				1
9CL-PF3ONS	98.0	2.99	ng/L	93.5		105	40-150				1
11CL-PF3OUdS	95.3	3.02	ng/L	94.5		101	40-150				1
3:3FTCA	145	6.40	ng/L	200		72	40-150				1
5:3FTCA	959	32.0	ng/L	1,000		96	40-150				1
7:3FTCA	928	32.0	ng/L	1,000		93	40-150				1
PFEESA	87.9	2.85	ng/L	89.0		99	40-150				1
PFMPA	75.6	3.20	ng/L	100		76	40-150				1
PFMBA	104	3.20	ng/L	100		104	40-150				1
NFDHA	100	3.20	ng/L	100		100	40-150				1
Surrogate: 13C4-PFBA	*36.8*		*ng/L*	*100*		*37*	*20-150*				1
Surrogate: 13C5-PFPeA	*46.7*		*ng/L*	*50.0*		*93*	*20-150*				1
Surrogate: 13C5-PFHxA	*24.2*		*ng/L*	*25.0*		*97*	*20-150*				1
Surrogate: 13C4-PFHpA	*23.8*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C8-PFOA	*23.9*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: 13C9-PFNA	*12.1*		*ng/L*	*12.5*		*97*	*20-150*				1
Surrogate: 13C6-PFDA	*12.0*		*ng/L*	*12.5*		*96*	*20-150*				1
Surrogate: 13C7-PFUnA	*11.9*		*ng/L*	*12.5*		*95*	*20-150*				1
Surrogate: 13C2-PFDoA	*11.3*		*ng/L*	*12.5*		*91*	*20-150*				1
Surrogate: AVE 13C2-PFTeDA & 13C2-PFDoA	*10.0*		*ng/L*	*12.5*		*80*	*20-150*				1
Surrogate: 13C2-PFTeDA	*8.69*		*ng/L*	*12.5*		*70*	*20-150*				1
Surrogate: 13C3-PFBS	*24.5*		*ng/L*	*25.0*		*98*	*20-150*				1
Surrogate: 13C3-PFHxS	*24.0*		*ng/L*	*25.0*		*96*	*20-150*				1
Surrogate: 13C8-PFOS	*24.5*		*ng/L*	*25.0*		*98*	*20-150*				1
Surrogate: 13C2-4:2FTS	*53.7*		*ng/L*	*50.0*		*107*	*20-150*				1
Surrogate: 13C2-6:2FTS	*53.7*		*ng/L*	*50.0*		*107*	*20-150*				1
Surrogate: 13C2-8:2FTS	*52.9*		*ng/L*	*50.0*		*106*	*20-150*				1
Surrogate: 13C8-PFOSA	*23.7*		*ng/L*	*25.0*		*95*	*20-150*				1
Surrogate: D3-NMeFOSA	*21.9*		*ng/L*	*25.0*		*87*	*20-150*				1
Surrogate: D5-NEtFOSA	*20.6*		*ng/L*	*25.0*		*83*	*20-150*				1
Surrogate: D3-NMeFOSAA	*46.5*		*ng/L*	*50.0*		*93*	*20-150*				1
Surrogate: D5-NEtFOSAA	*45.8*		*ng/L*	*50.0*		*92*	*20-150*				1
Surrogate: D7-NMeFOSE	*206*		*ng/L*	*250*		*82*	*20-150*				1

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Quality Control

(Continued)

Client: Cherie Zakowski
Report Date: 06/25/2025
Project: Salt Lake City VA PFAS
700 South 1600 East PCE Plume Operable Unit 1 Superfund Site
Matrix: Water
Work Order: O25F0365

PFAS Substances by LC-MS-MS

(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual	DF
Batch: B25F0614 *(Continued)*											
(B25F0614-BS2), HLCS (Continued)				*Prepared: 06/11/2025 11:09*			*Analyzed: 06/12/2025 21:01*				
Surrogate: D9-NEtFOSE	*201*		*ng/L*	*250*		*80*	*20-150*				1
Surrogate: 13C3-HFPO-DA	*92.5*		*ng/L*	*100*		*92*	*20-150*				1

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Qualifiers and Definitions

Item	Description
J	The result is estimated below quantitaion limits.
P	RPD outside accepted recovery limits.
U	Analyte included in the analysis, but not detected
%Rec	Percent Recovery

sterling labs
509 N. 3rd Ave., Des Plaines, IL 60016 Phone: (800) 246-0663
2242 W. Harrison St., Suite 200, Chicago, IL 60612 Phone: (312) 733-0551
info@thesterlinglab.com

CHAIN OF CUSTODY REC

O25F0365
PM: Olga Karplyuk
CDM Feceral Programs Corporation

Company: CDM Smith
Project Number: Client Tracking No.:
Project Name: 700 S 1600 E PCE Plume
Project Location: Salt Lake City, Utah
Sampler(s): Isaac Nance
Report To: Cherie Zakowski Phone: 1-720-264-1109
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 X e-mail: ZakowskiCA@cdmsmith.com

P.O. No.:
Quote No.:
Turn Around Time (Days): 1 2 3 4 5-7 (10)
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	PFAS (Method 1633), TSS	Remarks	Lab No.:
FB01-GW060525	6/5/25	1030	GW		X	A	3	X		01A-C
FD02-GW060525	6/5/25	1100	GW		X	A	3	X		02A-C
MW39D-GW060525	6/5/25	1045	GW		X	A	3	X		03A-C
MW395-GW060525	6/5/25	1410	GW		X	A	3	X		04A-C

Relinquished by: (Signature) Date/Time: 6/5/25 1630
Received by: (Signature) Date/Time: 6/6/25 ~~11:00~~ 0945
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:
0945

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: O25F0365

Received on Ice: Yes ☑ No ☐
Temperature: 3.1 °C

Table of Contents

22 of 80

Sample Receipt Checklist

Work Order: O25F0365

Printed: 6/6/2025 7:27:47PM

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Date Due: Friday, June 20, 2025

Received By: Lucas Demari
Logged In By: Lucas Demari

Date Received: 6/6/2025 9:45:00AM
Date Logged In: 6/6/2025 11:03:32AM

Cooler Name: 2025-464

How were samples received: FedEx

Cooler temperature at or below 6 degrees Celsius: Yes

Chain of Custody present and properly completed : Yes

Turnaround Time is indicated and specified: Yes

Chain of Custody agrees with sample labels: Yes

Samples received within hold time: Yes

Proper sample containers received intact: Yes

Sufficient sample volume: Yes

Containers properly preserved: Yes

Custody seals present: Yes Intact? Yes

Volatile water vials received: No

Sample Receipt Comments

Work Order: O25F0365

The samples were received on 6/6/2025 9:45:00 AM. The temperature of the cooler(s) at receipt was:

Cooler:	Temp C
2025-464	3.1

The samples were received in good condition and were properly preserved.

Samples going out of hold time within 24 hours:

LD
Reviewed By:

6/6/25
Date:

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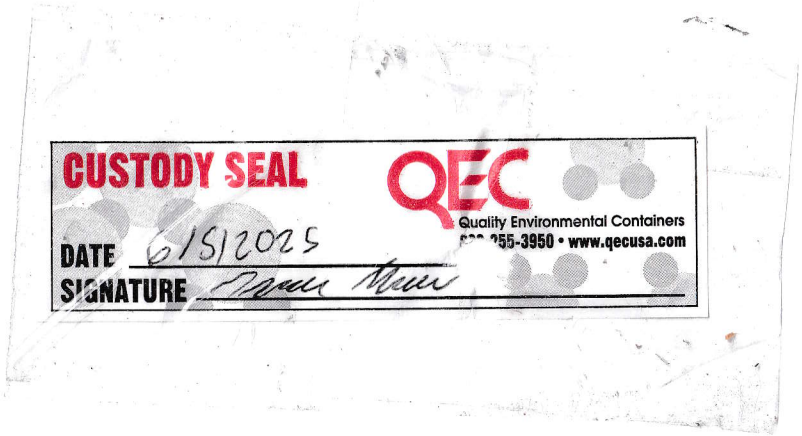
2025-464

T=3.1

CUSTODY SEAL
DATE 6/5/2025
SIGNATURE
QEC
Quality Environmental Containers
800-255-3950 • www.qecusa.com


CUSTODY SEAL
DATE 6/5/2025
SIGNATURE
QEC
Quality Environmental Containers
www.qecusa.com

Analysis Class: LC-MS-MS 1633

1 - FORM I
ANALYSIS DATA SHEET

E1633

FB01-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-01	File ID:	PFAS1_250612_040.d
Sampled:	06/05/25 10:30	Prepared:	06/11/25 11:09	Analyzed:	06/12/25 23:39
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	505.778 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075
Instrument:	PFAS1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.47	3.16	6.33	U
2706-90-3	PFPeA		0.14	1.58	3.16	U
307-24-4	PFHxA		0.13	0.79	1.58	U
375-85-9	PFHpA		0.16	0.79	1.58	U
335-67-1	PFOA	0.22	0.12	0.79	1.58	J
375-95-1	PFNA		0.09	0.79	1.58	U
335-76-2	PFDA		0.13	0.79	1.58	U
2058-94-8	PFUnA		0.19	0.79	1.58	U
307-55-1	PFDoA		0.11	0.79	1.58	U
72629-94-8	PFTrDA		0.07	0.79	1.58	U
376-06-7	PFTeDA		0.12	0.79	1.58	U
375-73-5	PFBS		0.19	0.70	1.40	U
2706-91-4	PFPeS		0.21	0.75	1.49	U
355-46-4	PFHxS		0.23	0.72	1.44	U
375-92-8	PFHpS		0.41	0.75	1.50	U
1763-23-1	PFOS		0.22	0.92	1.84	U
68259-12-1	PFNS		0.20	0.76	1.52	U
335-77-3	PFDS		0.14	0.76	1.52	U
79780-39-5	PFDoS		0.08	0.77	1.53	U
757124-72-4	4:2FTS		0.41	2.97	5.93	U
27619-97-2	6:2FTS		2.74	3.01	6.01	U
39108-34-4	8:2FTS		0.60	3.03	6.07	U
754-91-6	PFOSA		0.10	0.79	1.58	U
31506-32-8	NMeFOSA		0.26	0.79	1.58	U
4151-50-2	NEtFOSA	0.35	0.31	0.79	1.58	J
2355-31-9	NMeFOSAA		0.43	0.79	1.58	U

1 - FORM I
ANALYSIS DATA SHEET

E1633

FB01-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-01	File ID:	PFAS1_250612_040.d
Sampled:	06/05/25 10:30	Prepared:	06/11/25 11:09	Analyzed:	06/12/25 23:39
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	505.778 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.79	1.58	U
24448-09-7	NMeFOSE	3.50	1.00	7.91	15.8	J
1691-99-2	NEtFOSE	4.19	1.25	7.91	15.8	J
13252-13-6	HFPO-DA		0.41	1.58	3.16	U
919005-14-4	ADONA		0.15	1.49	2.99	U
756426-58-1	9CL-PF3ONS		0.18	1.48	2.96	U
763051-92-9	11CL-PF3OUdS		0.31	1.49	2.99	U
356-02-5	3:3FTCA		0.65	3.16	6.33	U
914637-49-3	5:3FTCA		3.62	15.8	31.6	U
812-70-4	7:3FTCA		3.03	15.8	31.6	U
113507-82-7	PFEESA		0.17	1.41	2.82	U
377-73-1	PFMPA		0.11	1.58	3.16	U
863090-89-5	PFMBA		0.12	1.58	3.16	U
151772-58-6	NFDHA		0.44	1.58	3.16	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_040.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:39:32 PM
Sample Name	O25F0365-01	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

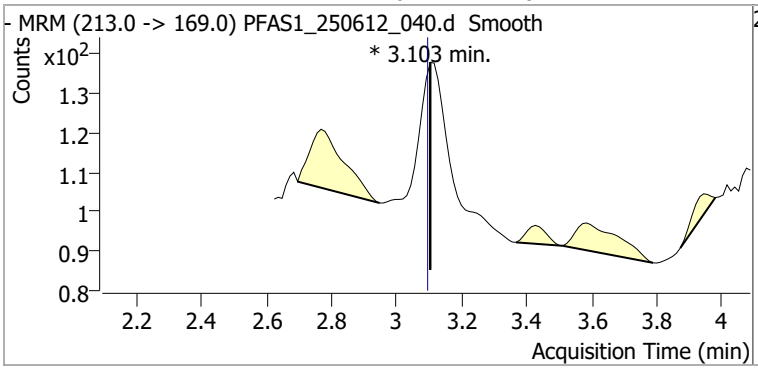
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	175255	5.0000	µg/L	10.797
13C2-PFHxA	5.479	315.0 -> 270.0	190817	2.5000	µg/L	6.795
18O2-PFHxS	6.796	403.0 -> 84.0	24942	2.5000	µg/L	6.135
13C4-PFOA	6.651	417.0 -> 172.0	22238	2.5000	µg/L	10.115
13C5-PFNA	7.125	468.0 -> 423.0	129232	1.2500	µg/L	7.983
13C2-PFDA	7.564	515.0 -> 470.0	129465	1.2500	µg/L	3.463
13C4-PFOS	7.745	503.0 -> 80.0	26223	2.5000	µg/L	5.036
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	181378	10.0000	µg/L	-50.306
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.83%		
13C4-PFBA	3.107	217.0 -> 172.0	181378	10.0000	µg/L	-50.306
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.83%		
13C5-PFPeA	4.594	268.0 -> 223.0	268815	5.0000	µg/L	-0.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.34%		
13C5-PFPeA	4.594	268.0 -> 223.0	268815	5.0000	µg/L	-0.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.34%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20783	5.0000	µg/L	28.971
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.15%		
13C5-PFHxA	5.478	318.0 -> 273.0	187993	2.5000	µg/L	2.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.65%		
13C5-PFHxA	5.478	318.0 -> 273.0	187993	2.5000	µg/L	2.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.65%		
13C3-PFBS	5.494	302.0 -> 80.0	43745	2.5000	µg/L	2.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.89%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	218145	10.0000	µg/L	-1.680
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.03%		
13C4-PFHpA	6.130	367.0 -> 322.0	215818	2.5000	µg/L	1.229
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.74%		
13C3-PFHxS	6.797	402.0 -> 80.0	27250	2.5000	µg/L	0.994
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.20%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	13209	5.0000	µg/L	17.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.79%		
13C8-PFOA	6.650	421.0 -> 376.0	228309	2.5000	µg/L	1.069
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.71%		
13C3-PFHxS	6.797	402.0 -> 80.0	27250	2.5000	µg/L	0.994
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.20%		
13C9-PFNA	7.125	472.0 -> 427.0	126643	1.2500	µg/L	3.212
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.61%		
13C8-PFOS	7.744	507.0 -> 80.0	24680	2.5000	µg/L	-0.259
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.00%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13952	5.0000	µg/L	13.358
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.87%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13952	5.0000	µg/L	13.358
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.87%		
13C6-PFDA	7.563	519.0 -> 474.0	134565	1.2500	µg/L	1.250

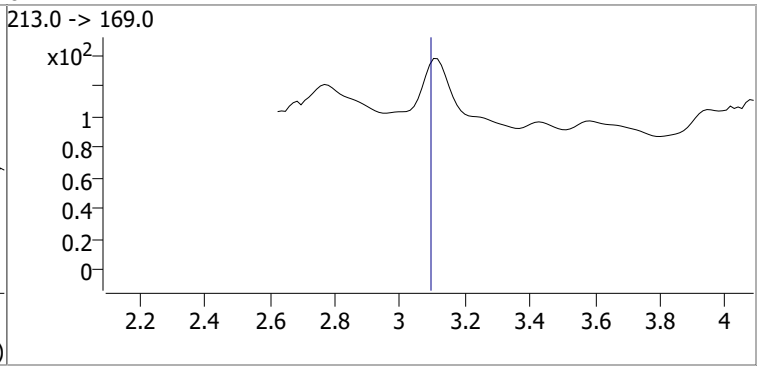
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.92%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	87429	5.0000	µg/L		-5.931
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.30%			
13C8-PFOS	7.744	507.0 -> 80.0	24680	2.5000	µg/L		-0.259
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.00%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	65763	5.0000	µg/L		-11.776
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 83.83%			
13C7-PFUnDA	7.999	570.0 -> 525.0	116702	1.2500	µg/L		1.160
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.80%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	72539	1.2500	µg/L		-26.731
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.76%			
13C2-PFDoDA	8.412	615.0 -> 570.0	87317	1.2500	µg/L		-12.901
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 84.12%			
13C2-PFTDA	9.185	715.0 -> 670.0	57762	1.2500	µg/L		-40.913
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 57.06%			
13C8-PFOSA	9.909	506.0 -> 78.0	53396	2.5000	µg/L		-2.373
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.75%			
2H7-MeFOSE	11.052	623.1 -> 59.0	228818	25.0000	µg/L		-16.705
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.33%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16208	2.5000	µg/L		-11.690
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.83%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227758	25.0000	µg/L		-17.111
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 78.93%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17778	2.5000	µg/L		-11.977
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.68%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.794	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.708	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.251	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.390	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.378	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.872	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.120	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.348	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.428	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.651	413.0 -> 369.0	1071	0.0220	µg/L		96
PFHxS	6.798	398.9 -> 80.0	152	0.0067	µg/L		97
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.486	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.361	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.474	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.600	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.704	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	195	0.0000	µg/L		92
N-EtFOSAA	7.939	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	8.000	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.444	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.606	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.817	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.891	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.186	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.356	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.077	616.0 -> 59.0	3757	0.3539	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	5383	0.4235	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	123	0.0356	µg/L		98

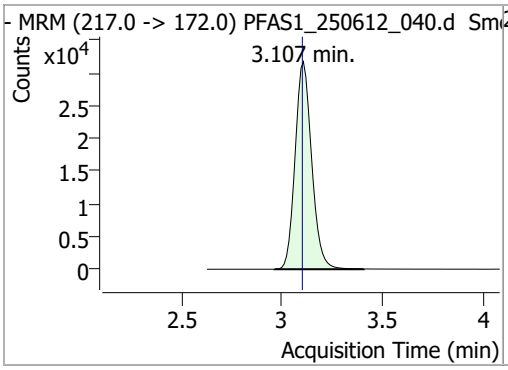
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

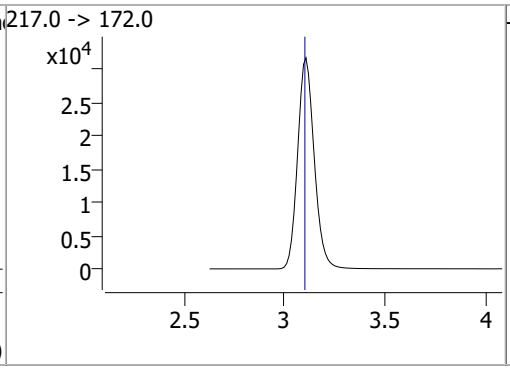
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

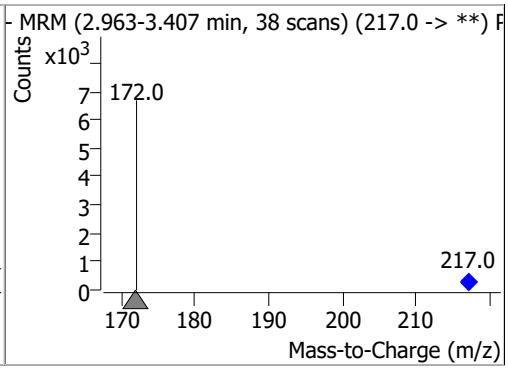




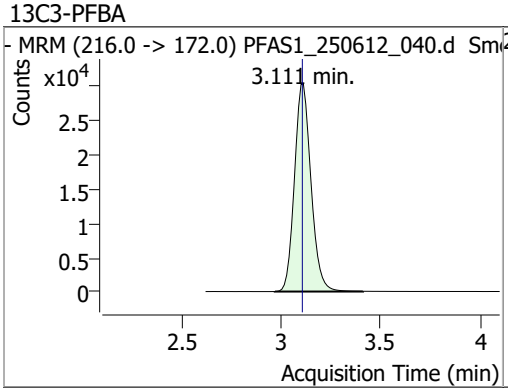
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4825	3.11	0.01	181378				

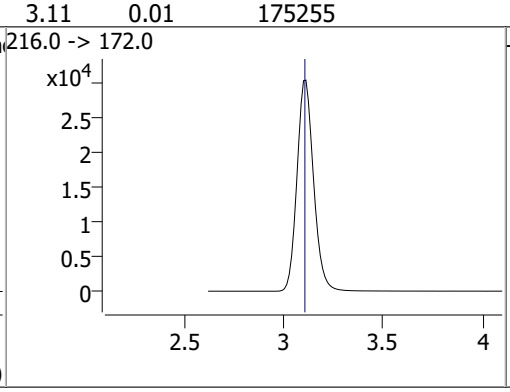


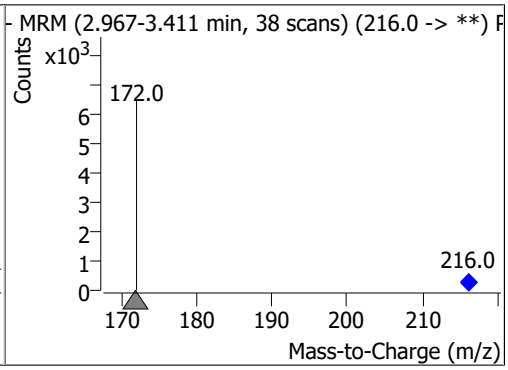




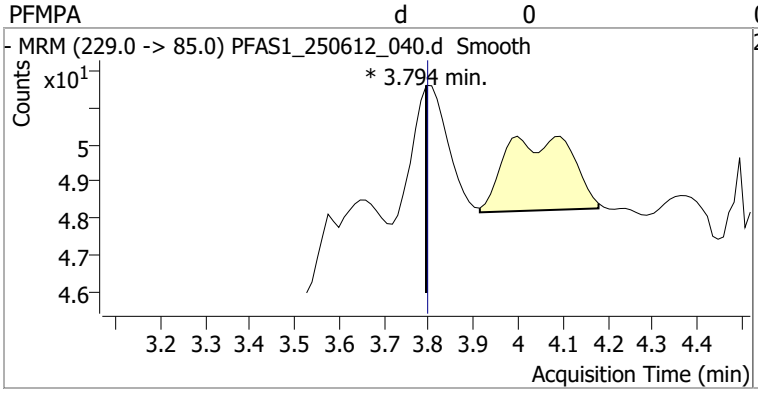
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	175255				

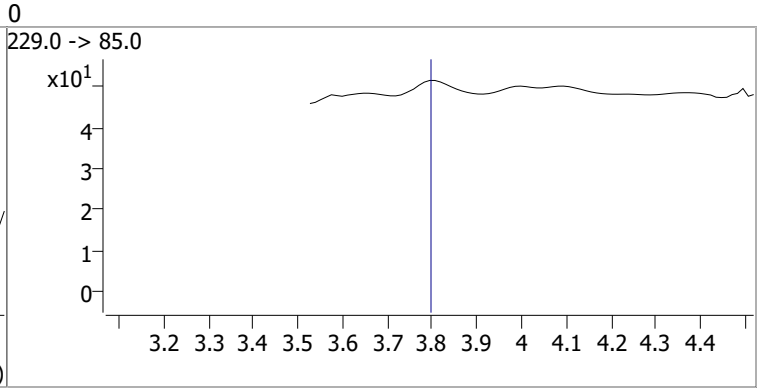




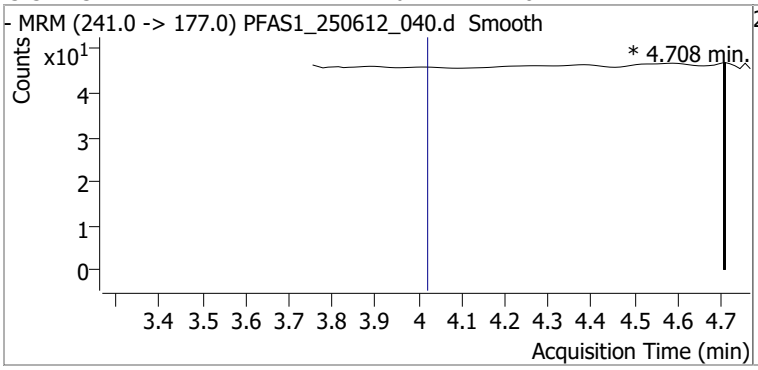


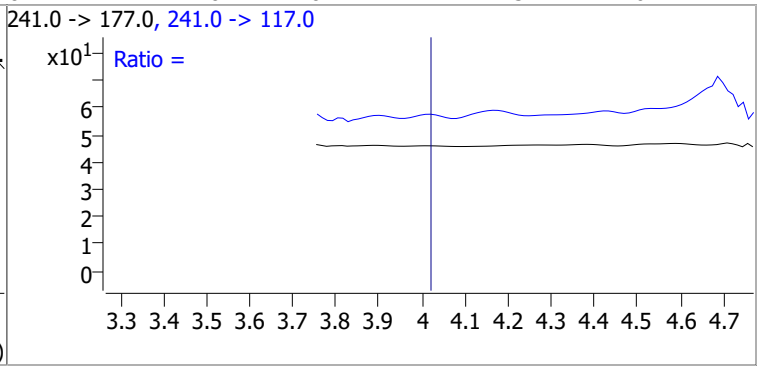
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



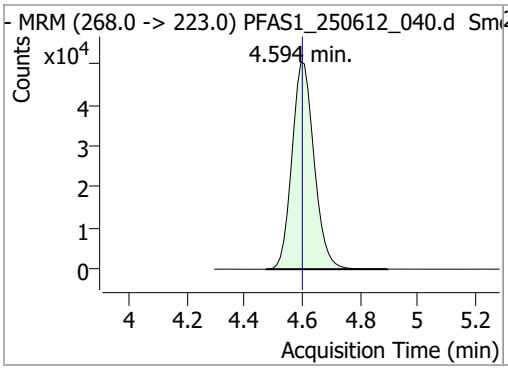


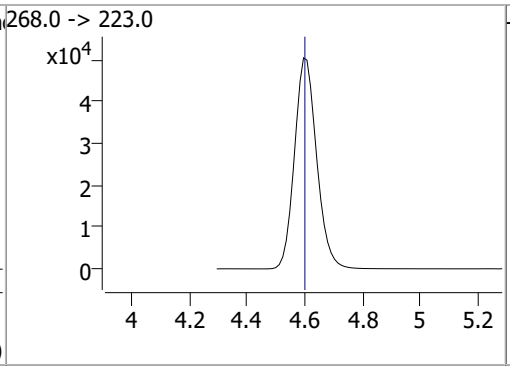
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

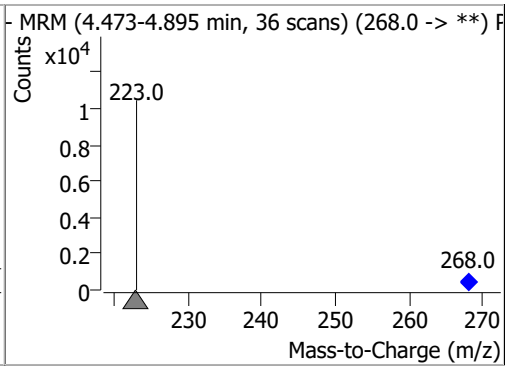




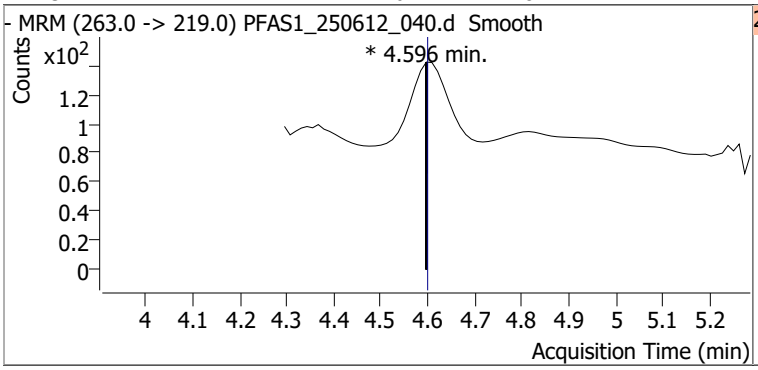
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6670	4.59	0.00	268815				

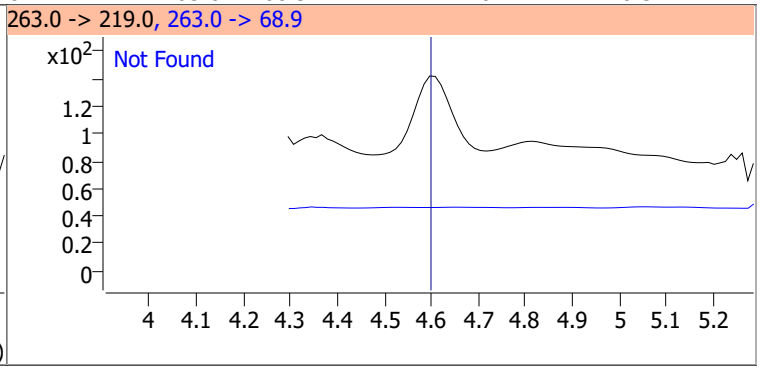




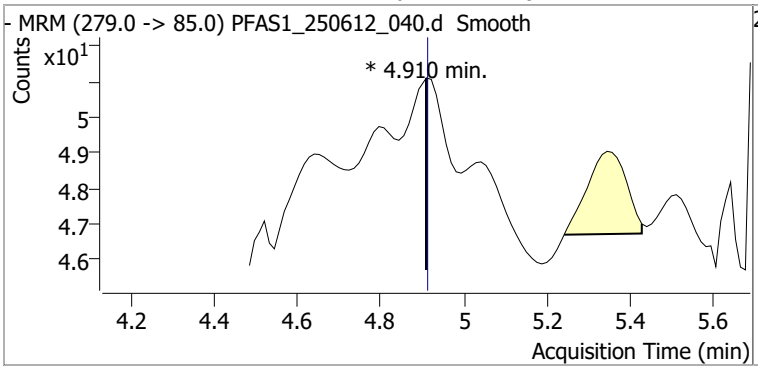


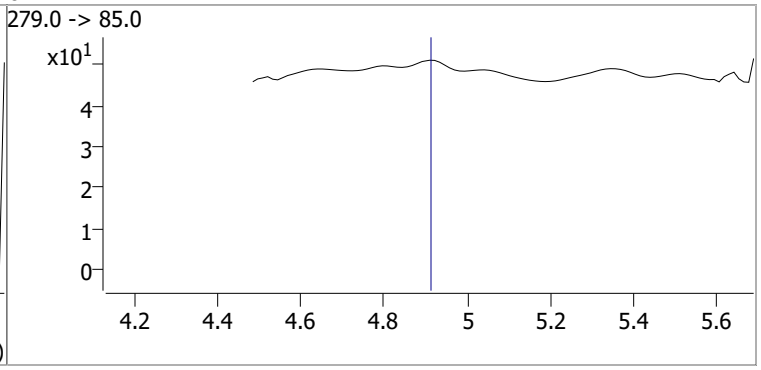
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



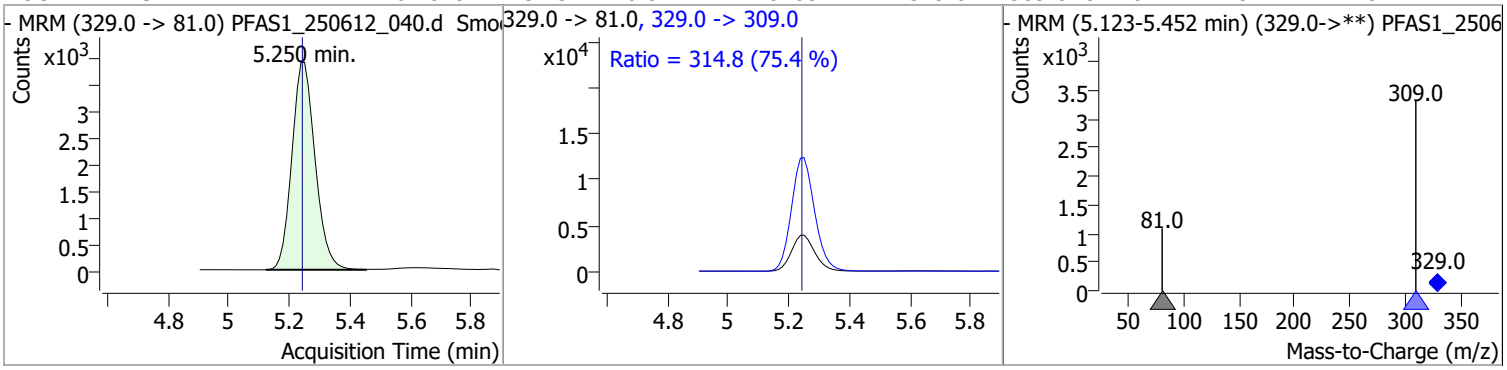


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

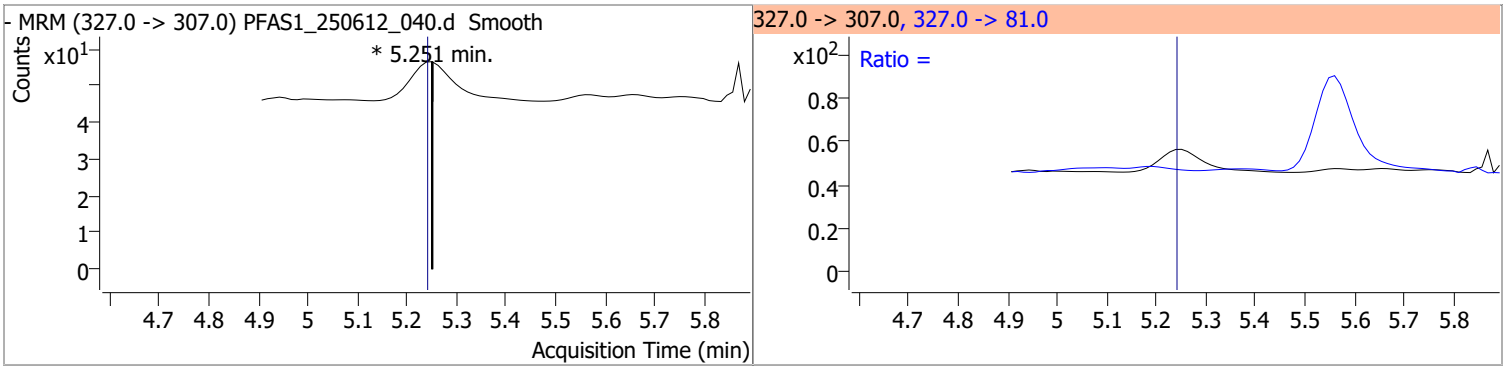




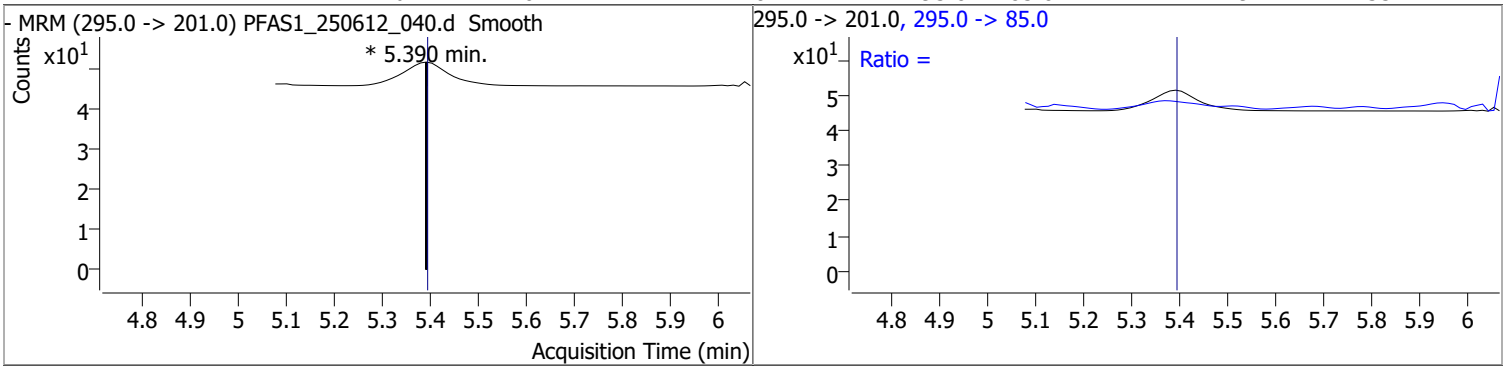
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1075	5.25	0.01	20783	329.0 -> 309.0	314.8	292.1	542.4



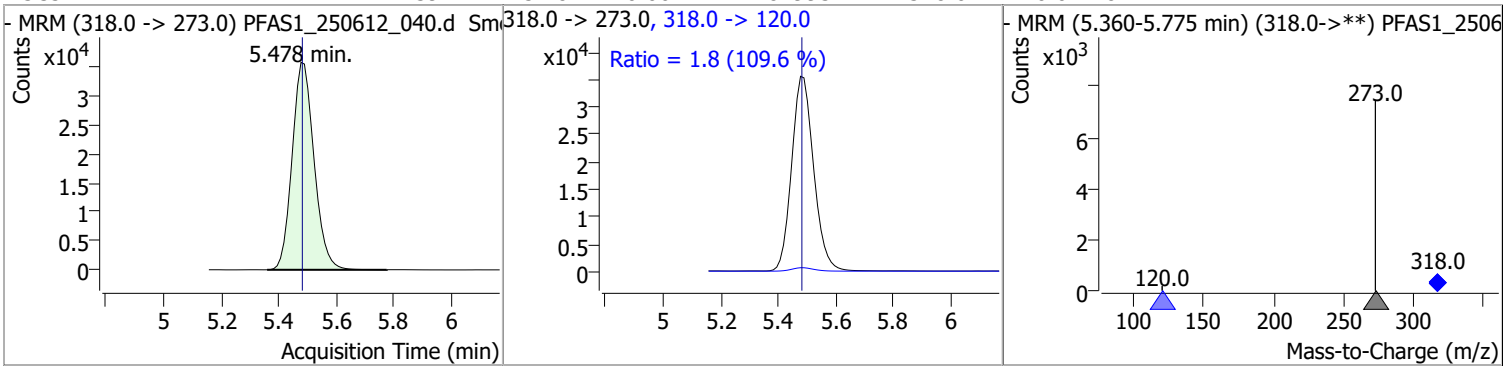
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



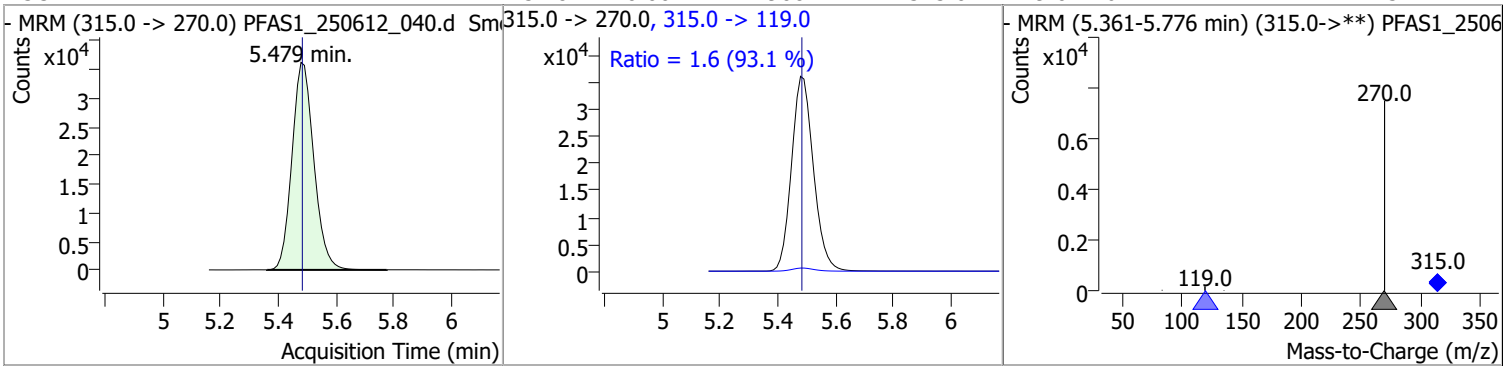
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



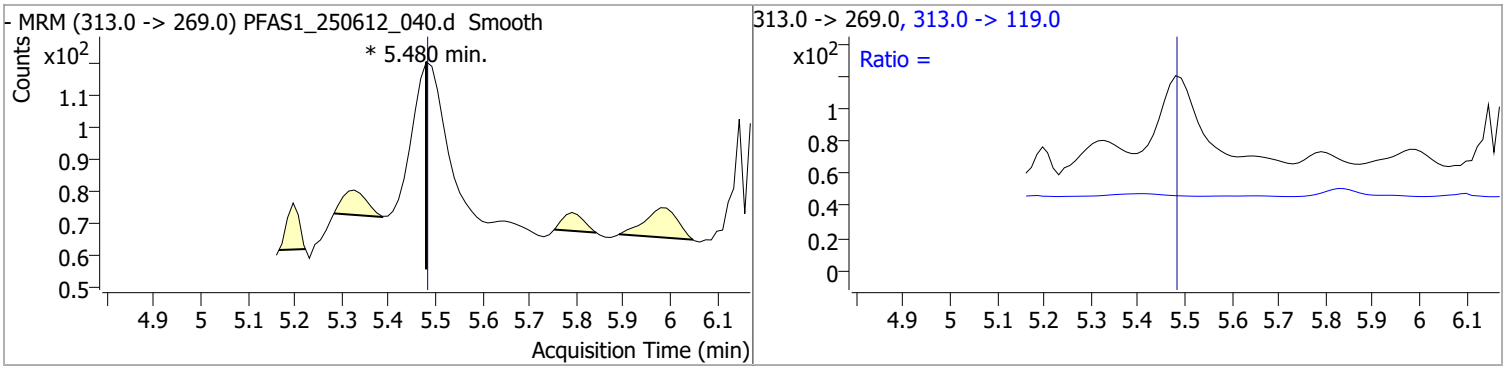
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3914	5.48	0.00	187993	318.0 -> 120.0	1.8	1.1	2.1



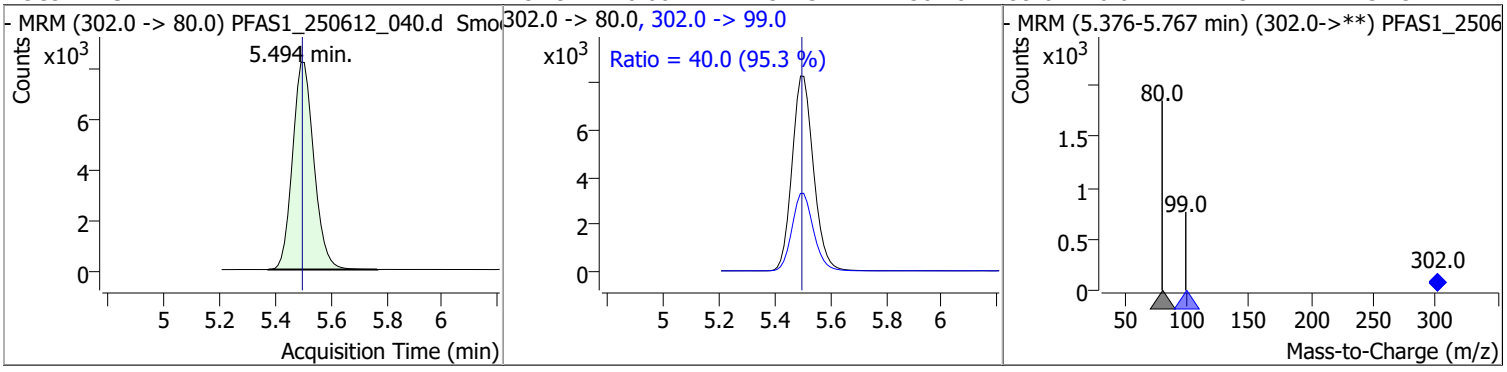
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	190817	315.0 -> 119.0	1.6	1.2	2.3



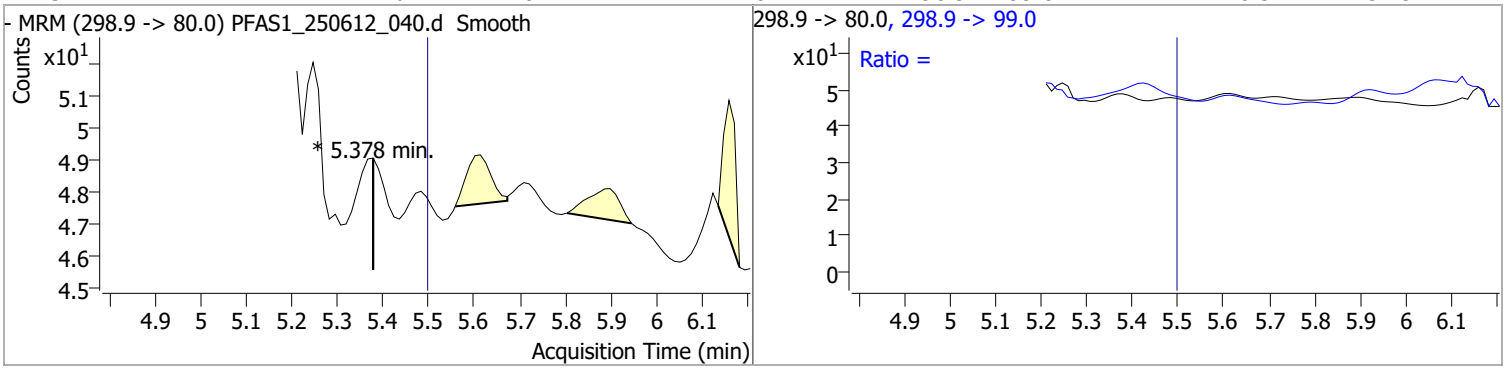
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



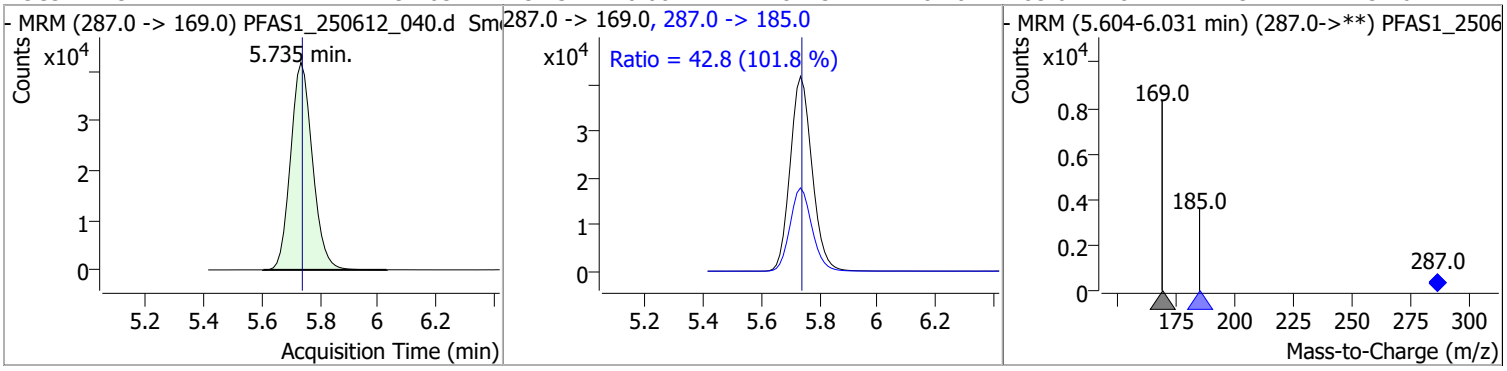
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4222	5.49	0.00	43745	302.0 -> 99.0	40.0	29.4	54.5



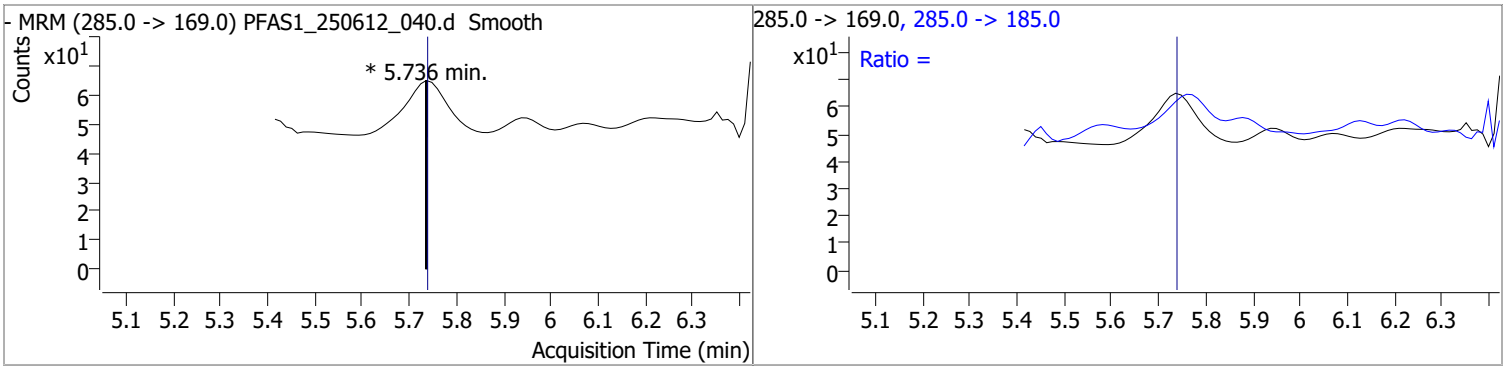
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



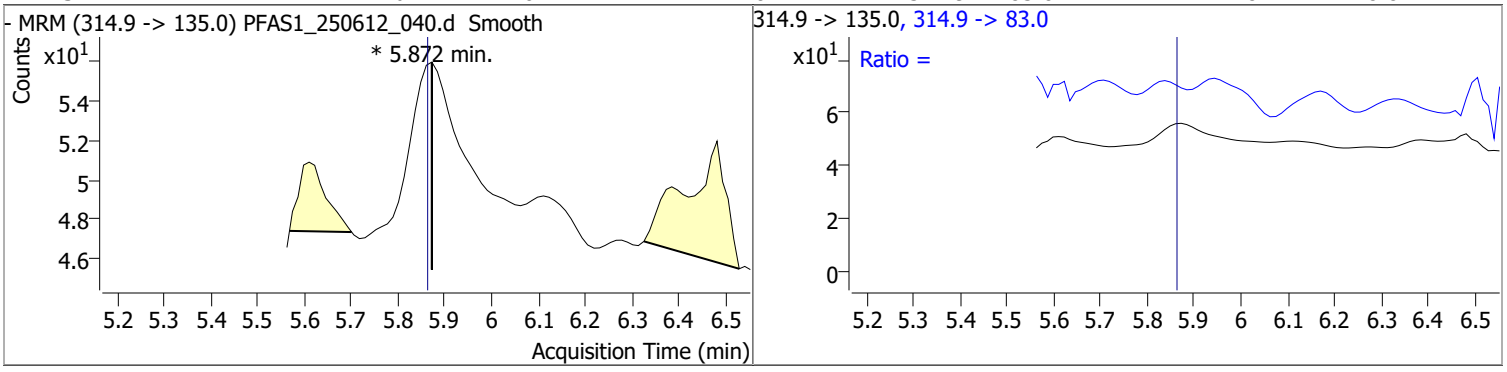
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.2034	5.73	0.00	218145	287.0 -> 185.0	42.8	29.4	54.6



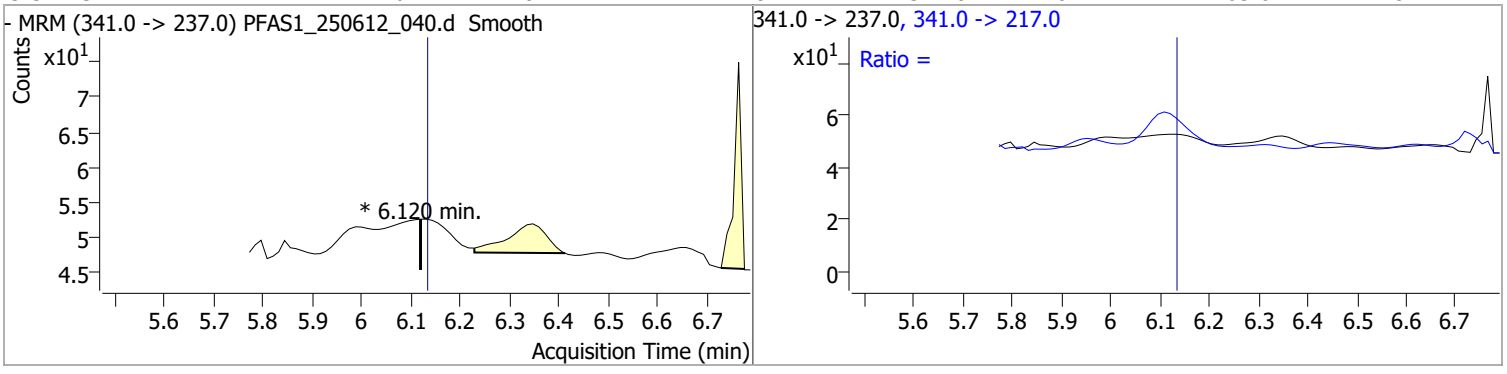
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



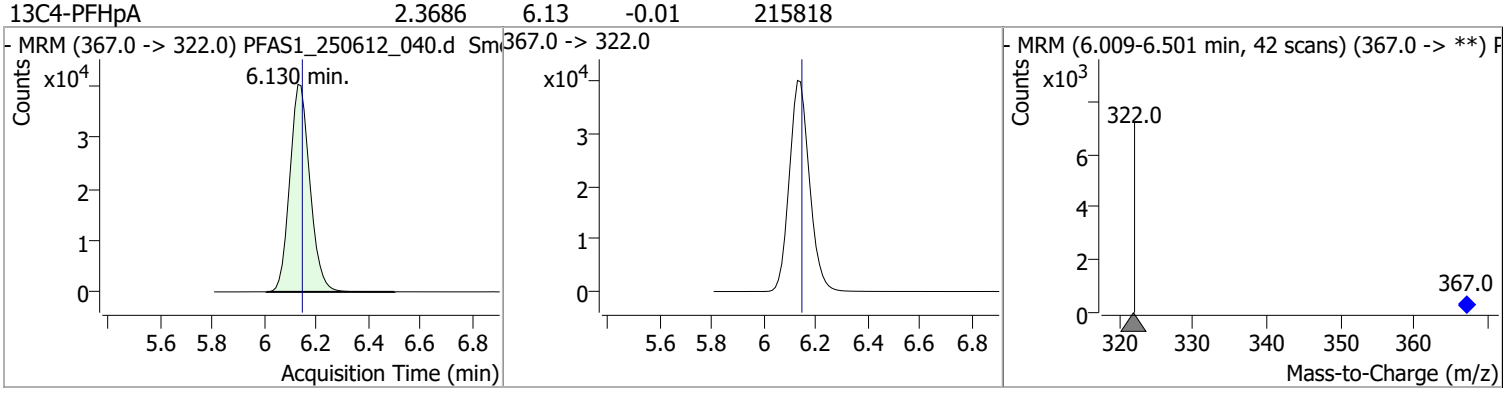
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



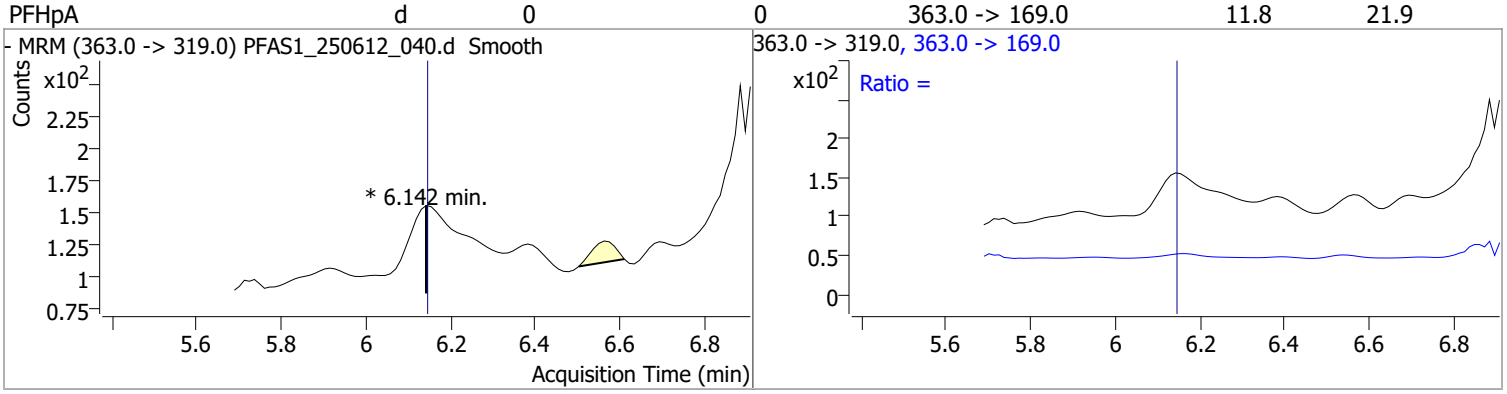
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



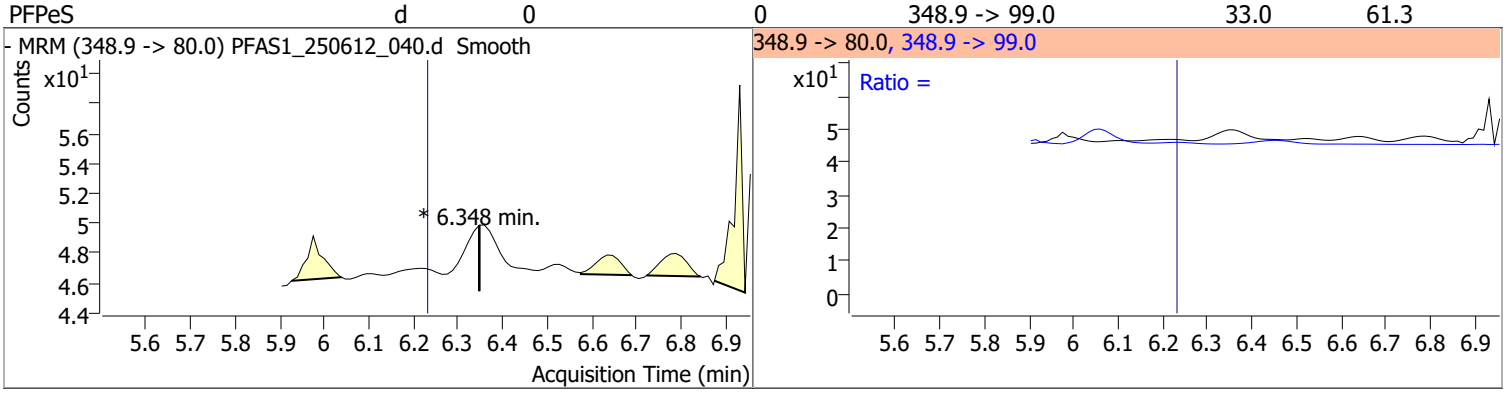
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3686	6.13	-0.01	215818				



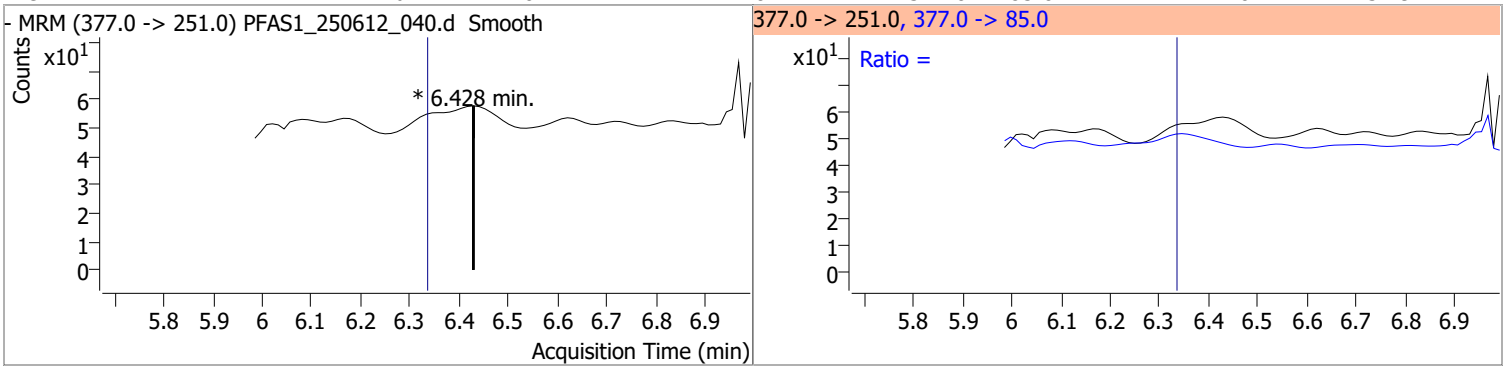
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



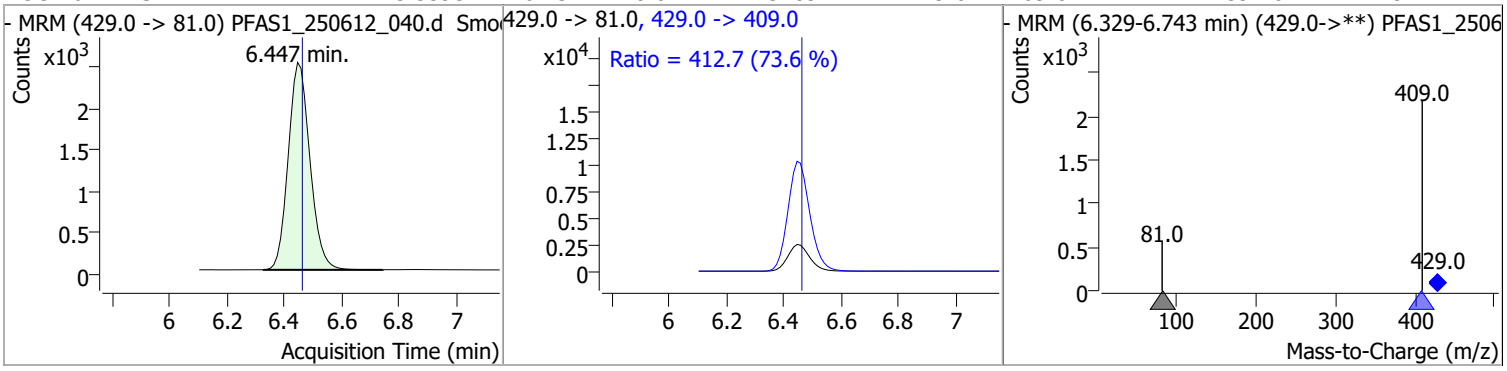
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



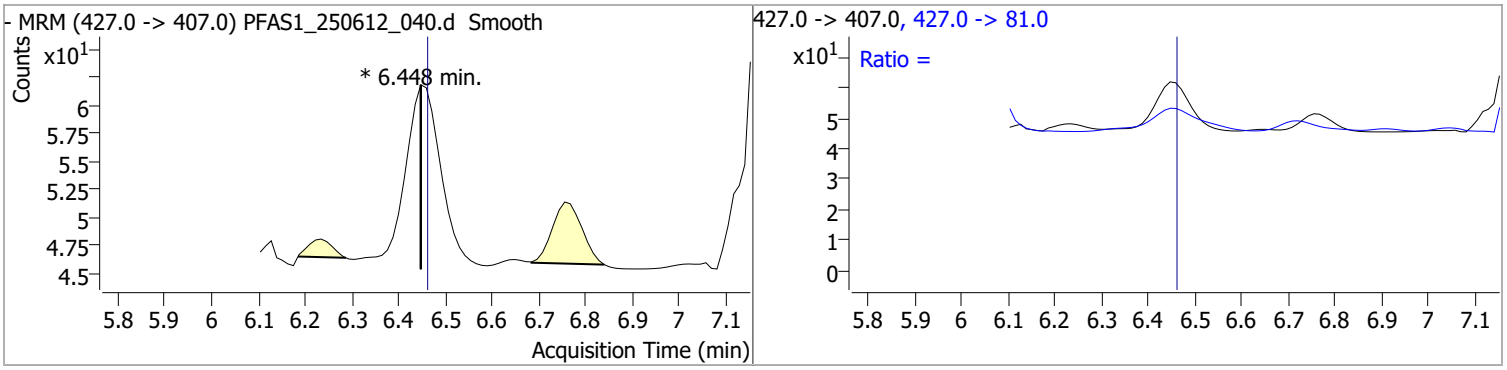
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



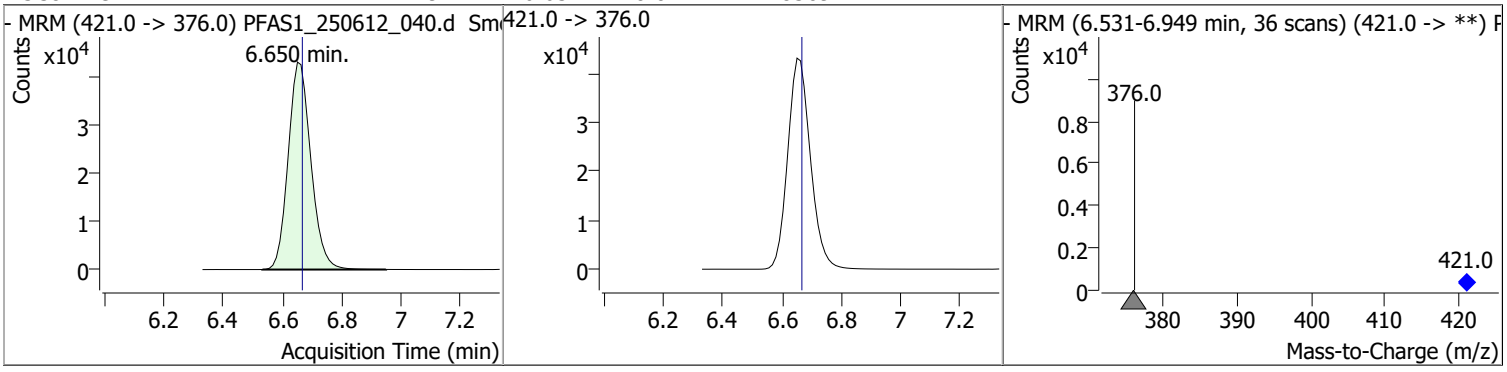
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5393	6.45	-0.01	13209	429.0 -> 409.0	412.7	392.8	729.4



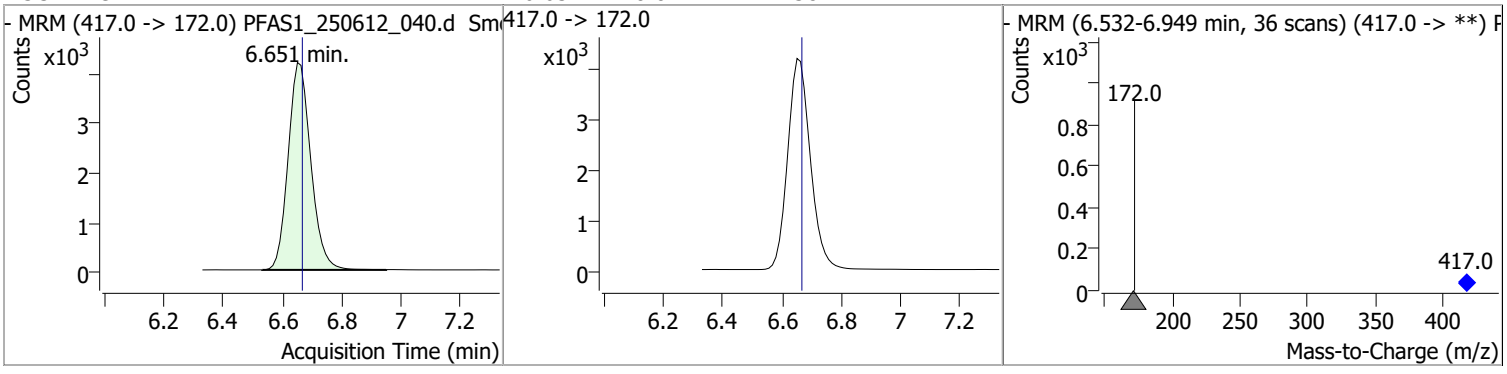
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



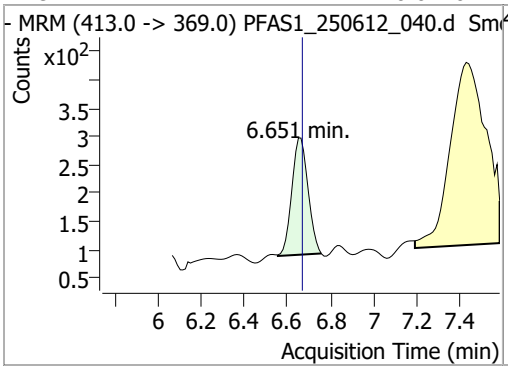
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2927	6.65	-0.01	228309				

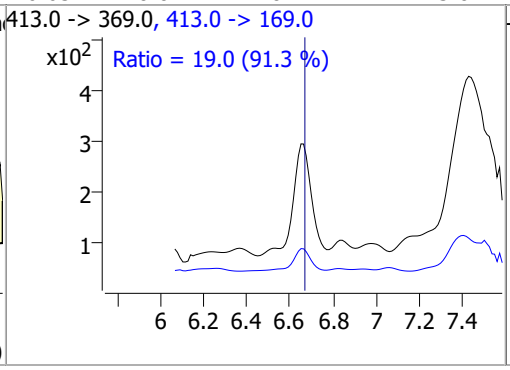


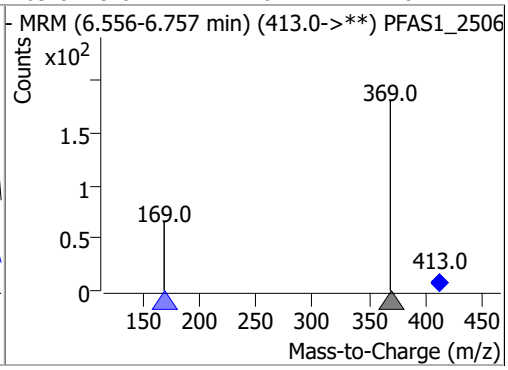
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22238				



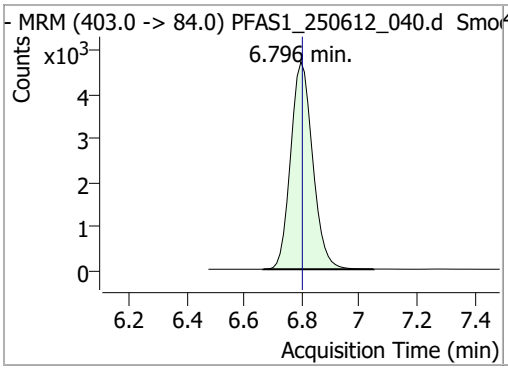
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0220	6.65	-0.01	1071	413.0 -> 169.0	19.0	14.6	27.0

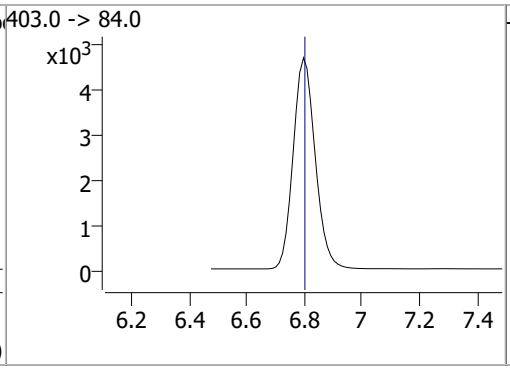


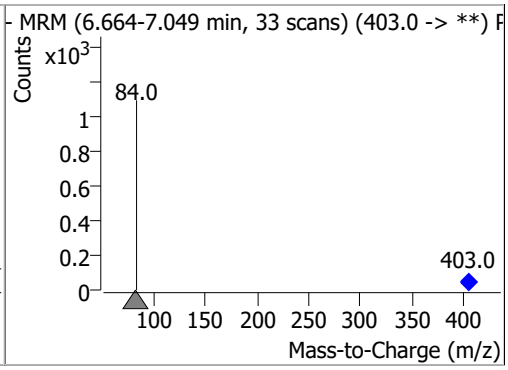




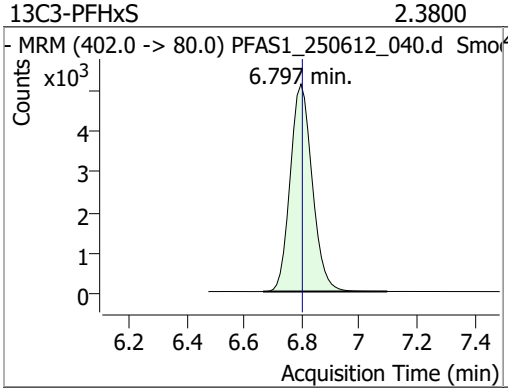
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24942				

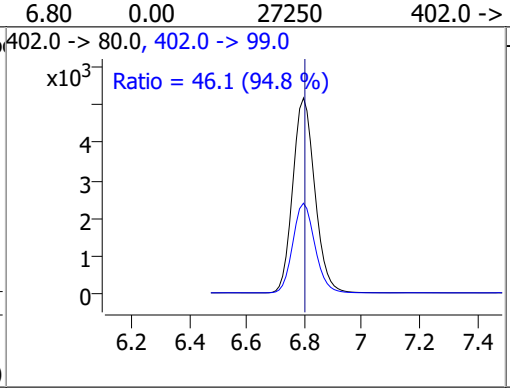


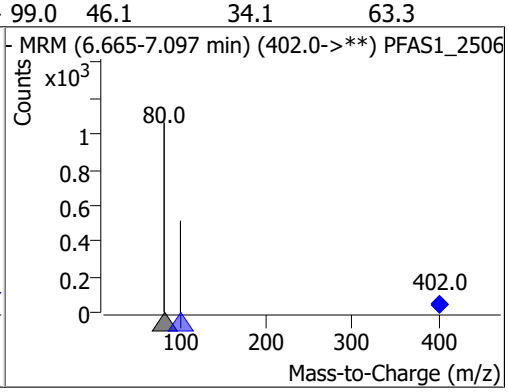




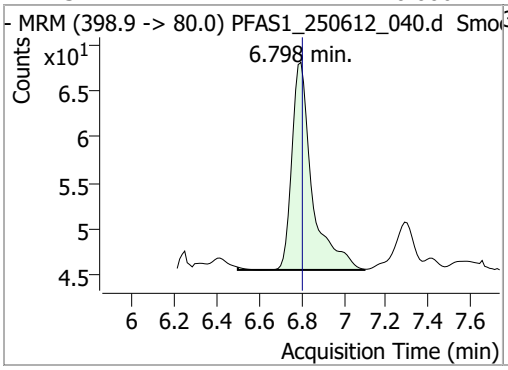
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3800	6.80	0.00	27250	402.0 -> 99.0	46.1	34.1	63.3

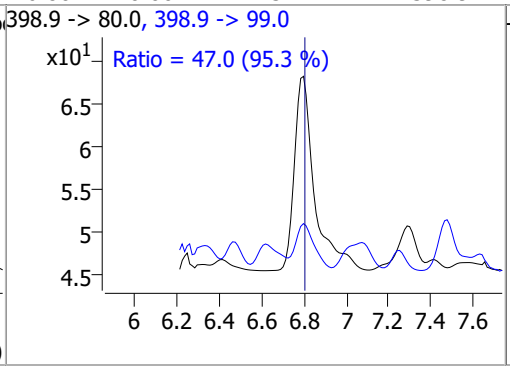


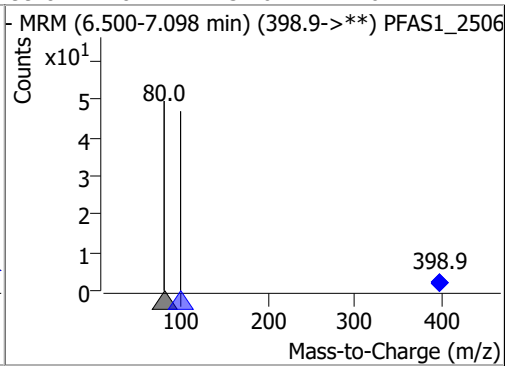




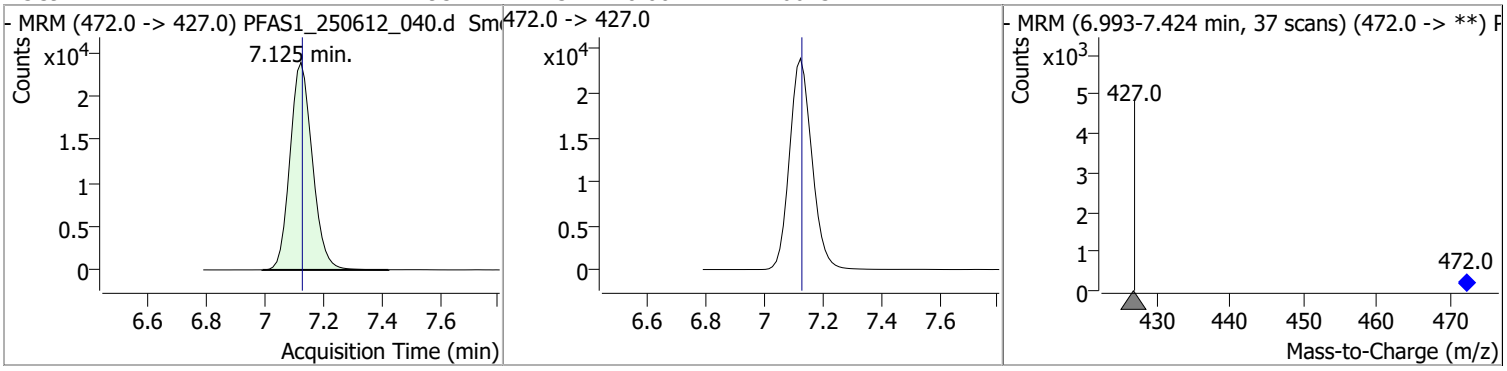
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	152	398.9 -> 99.0	47.0	34.6	64.2



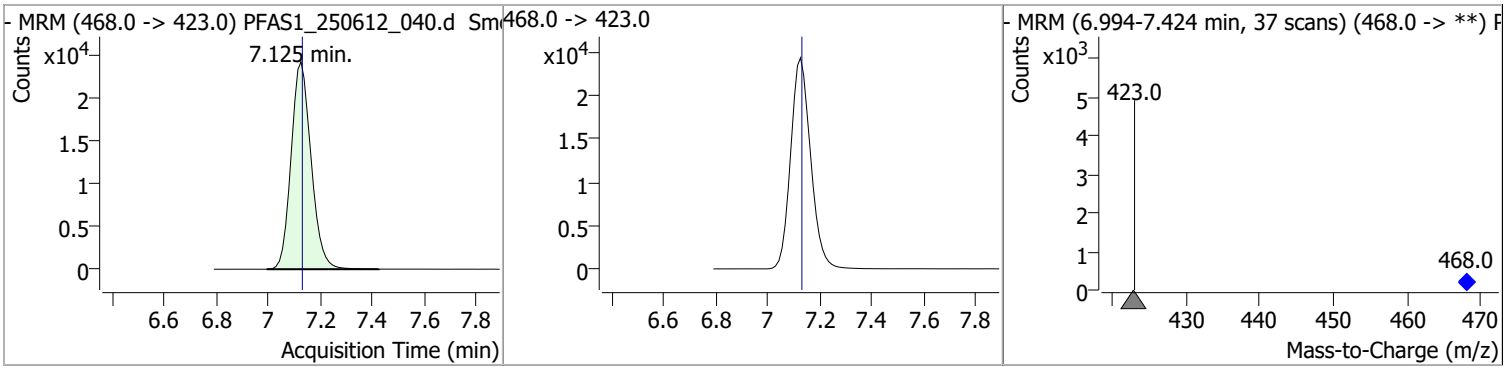




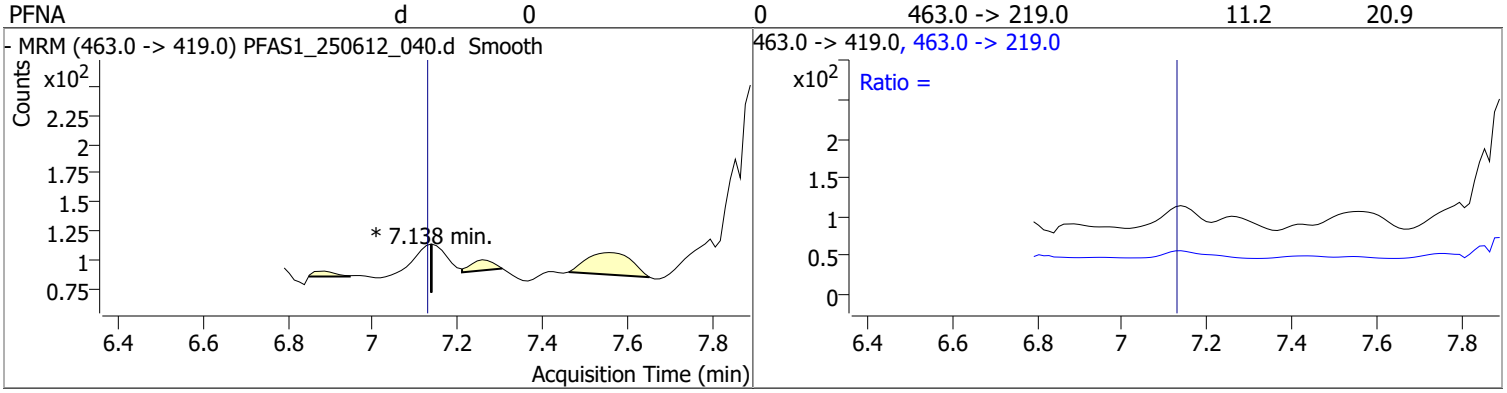
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1951	7.13	0.00	126643				



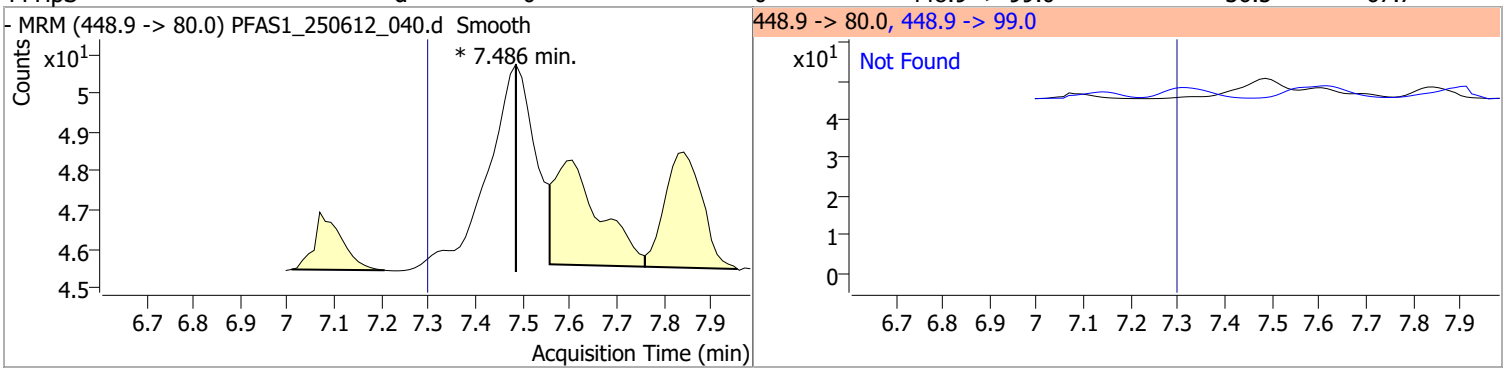
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	129232				



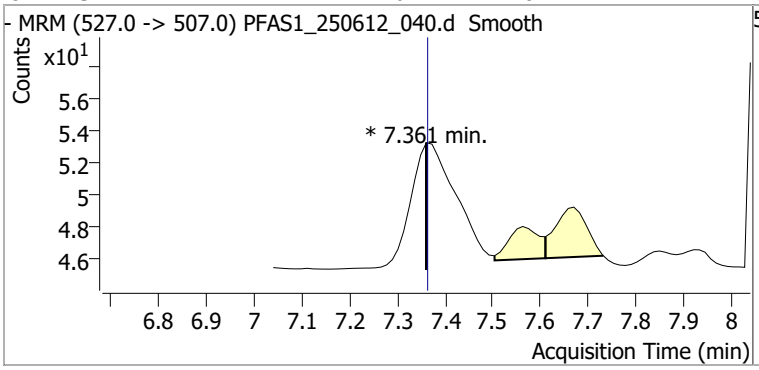
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

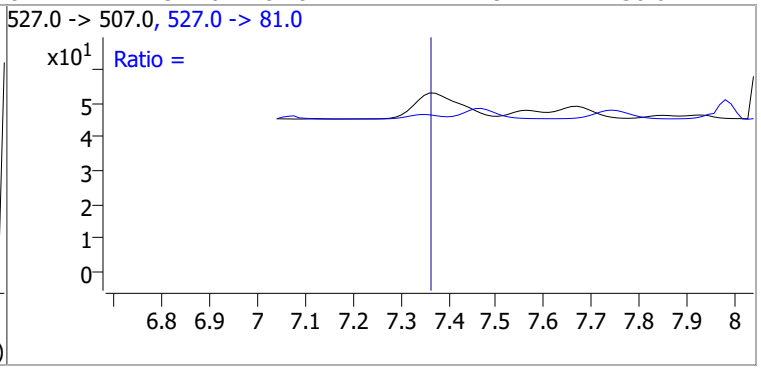


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

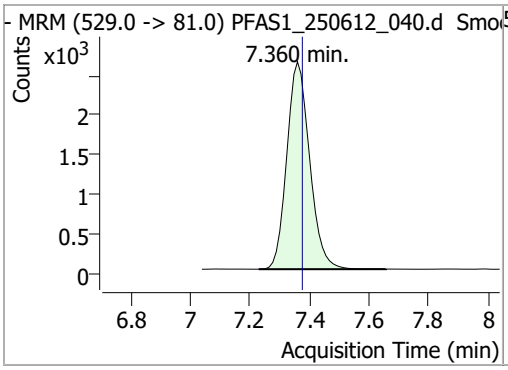


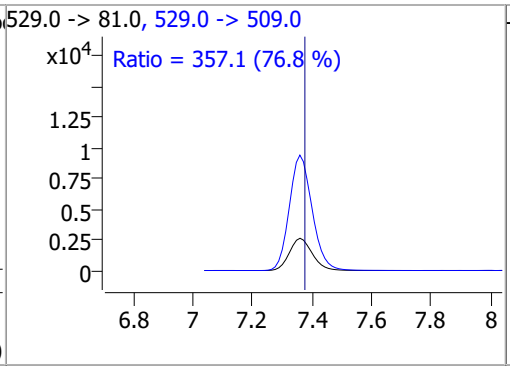
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

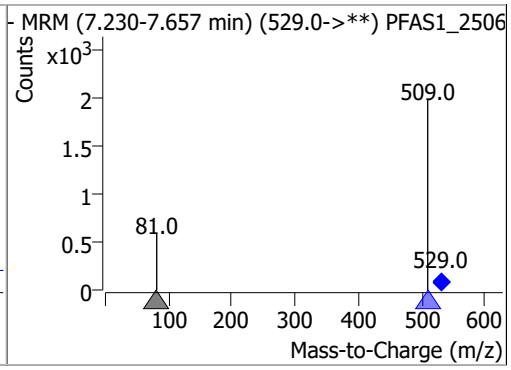




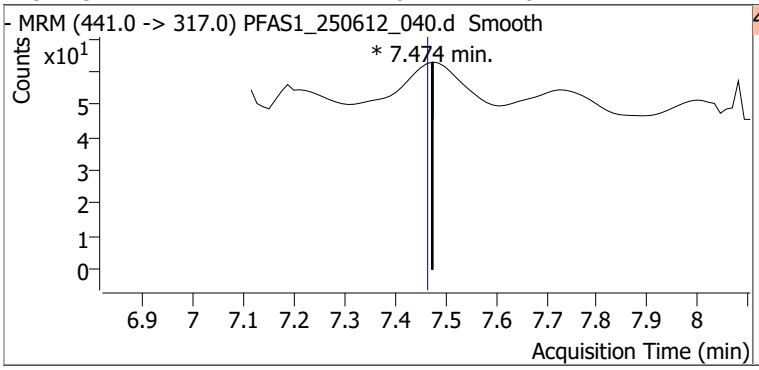
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3436	7.36	-0.01	13952	529.0 -> 509.0	357.1	325.6	604.6

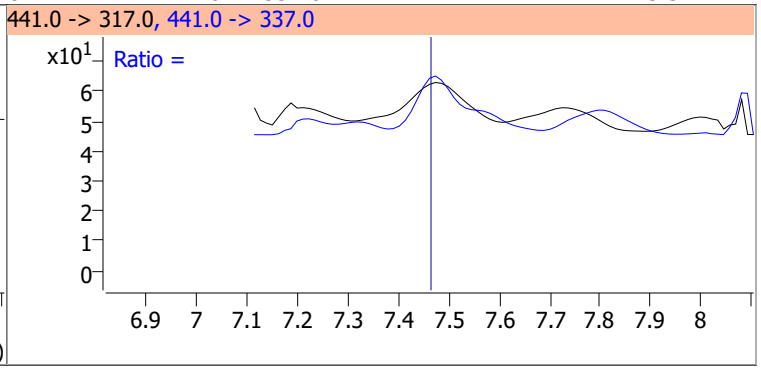




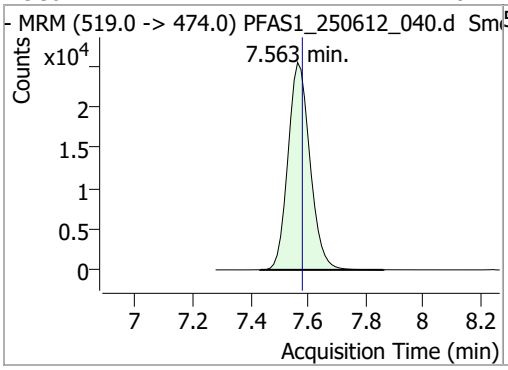


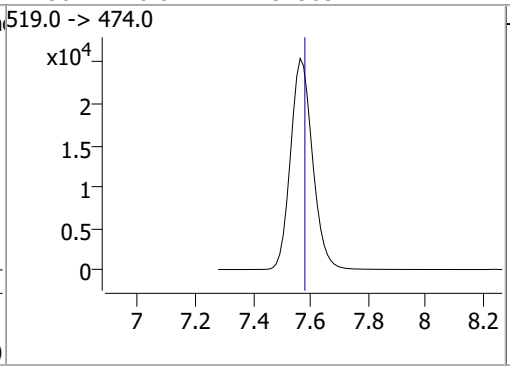
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

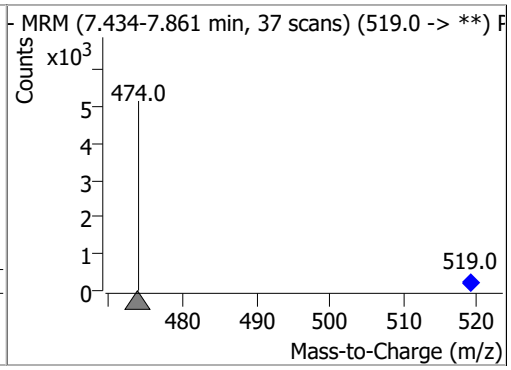




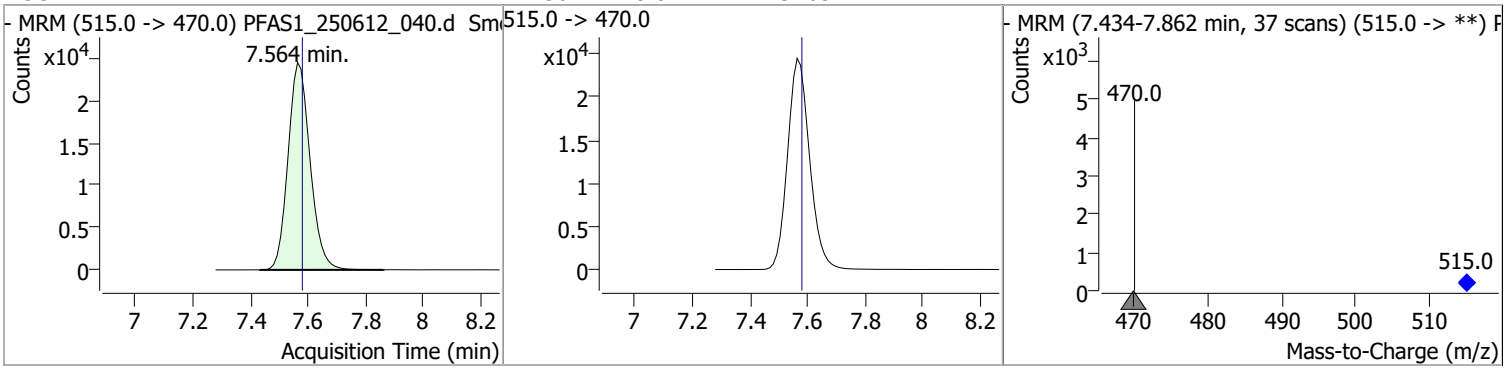
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2240	7.56	-0.01	134565				



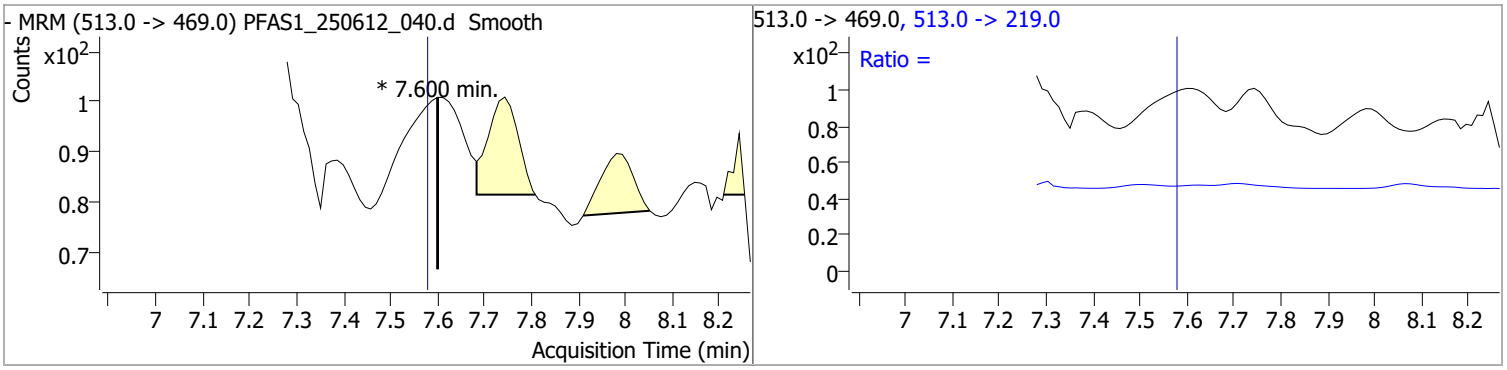




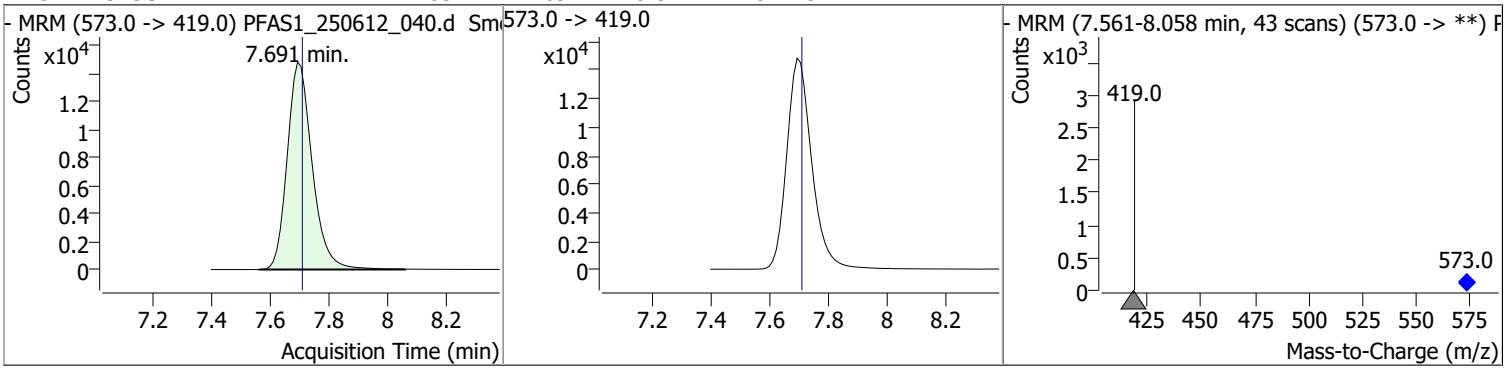
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	129465				



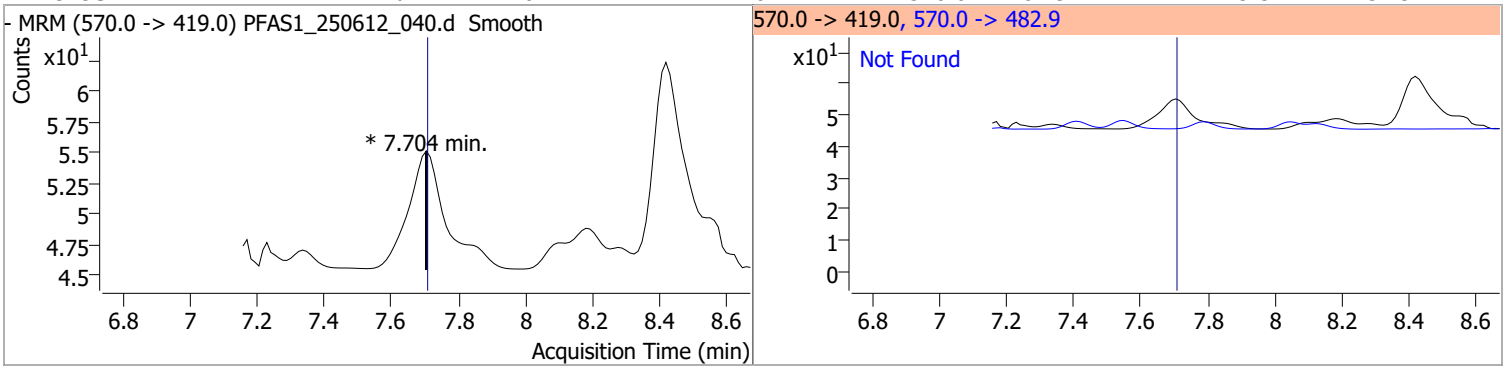
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



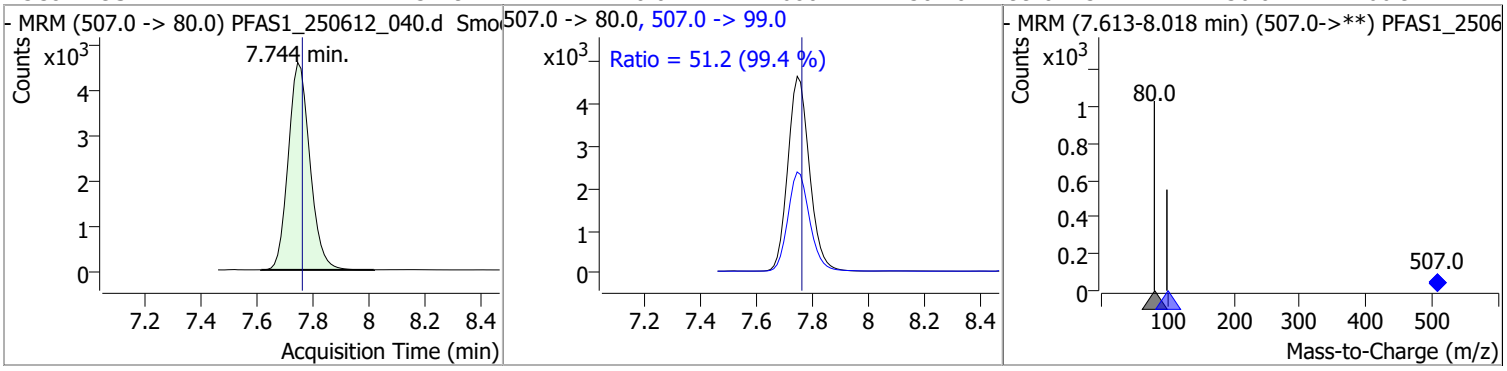
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4652	7.69	-0.01	87429				



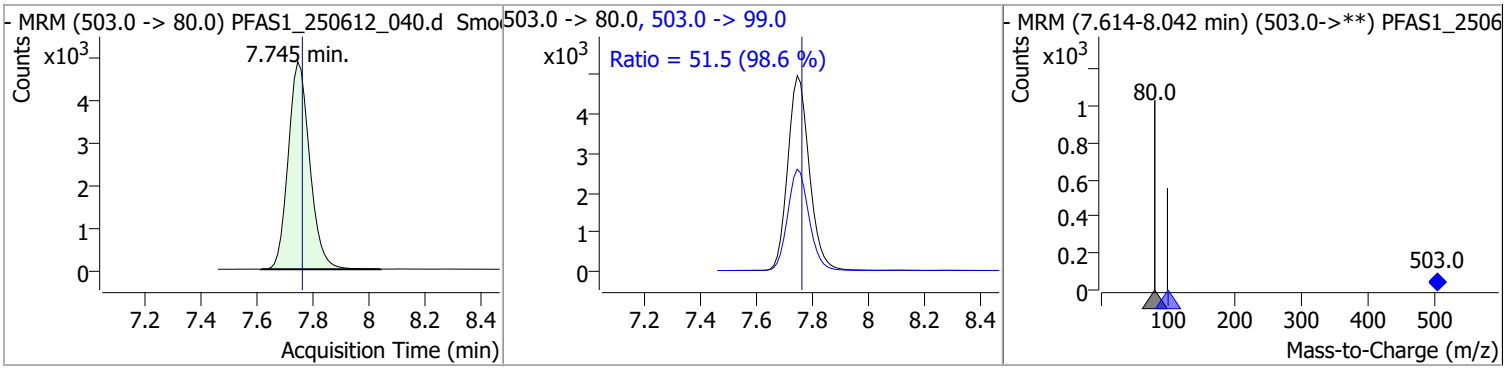
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



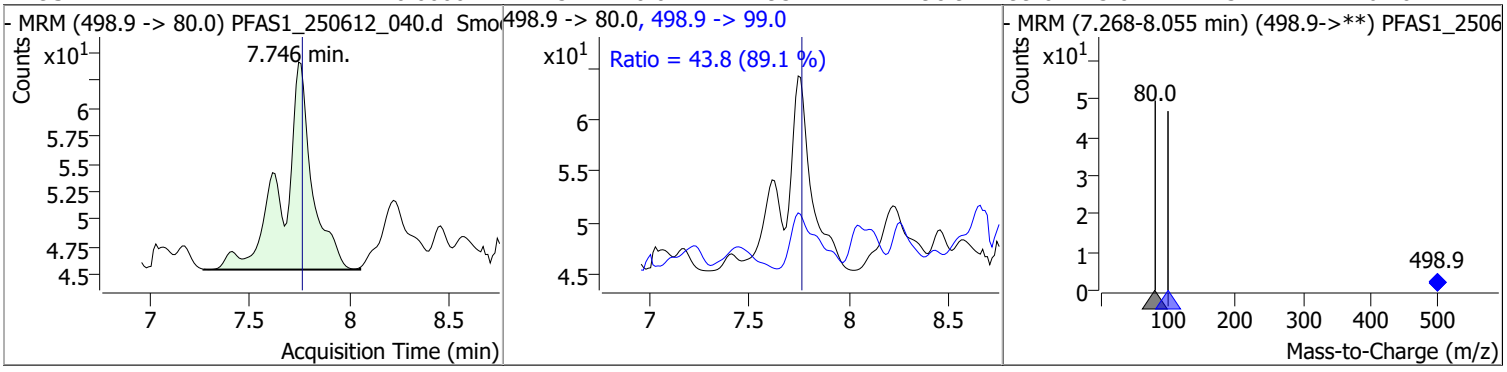
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3749	7.74	-0.01	24680	507.0 -> 99.0	51.2	36.0	66.9



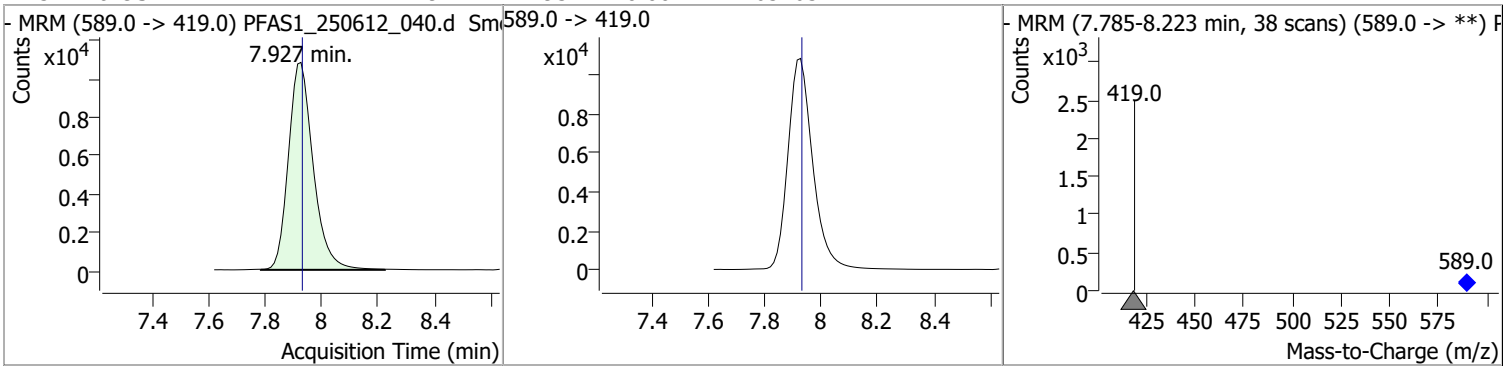
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26223	503.0 -> 99.0	51.5	36.6	67.9



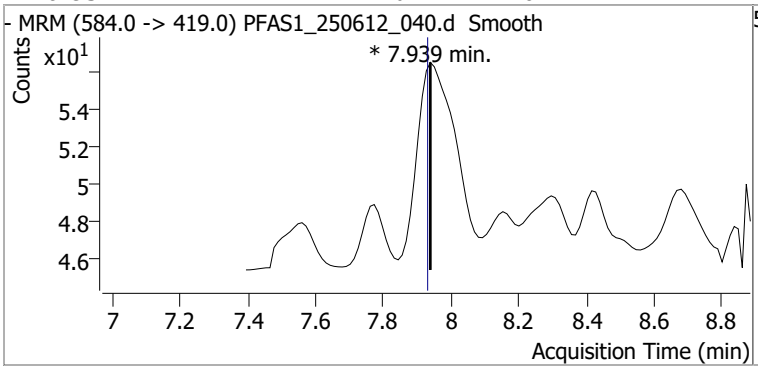
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	195	498.9 -> 99.0	43.8	34.4	64.0

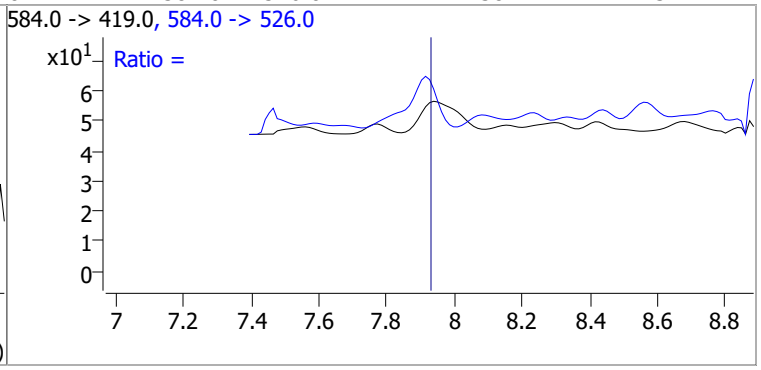


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.1914	7.93	0.00	65763				

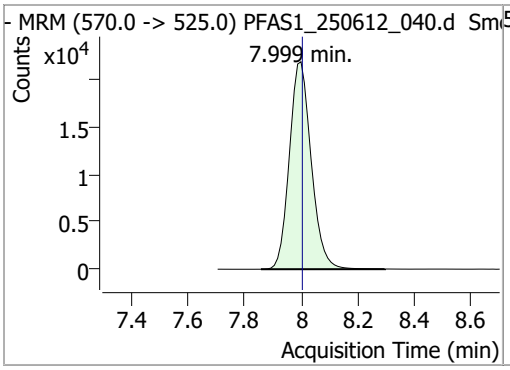


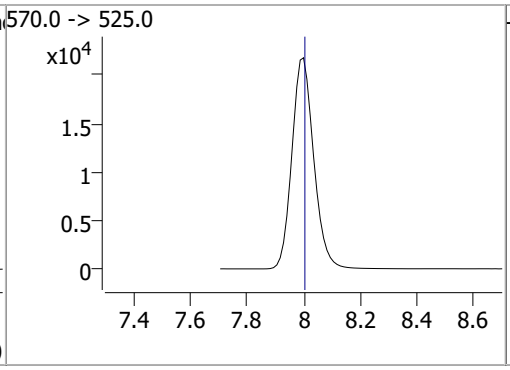
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

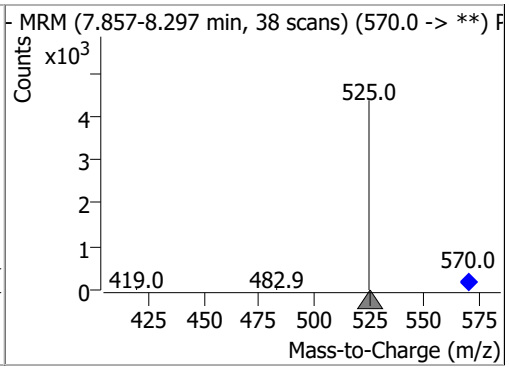




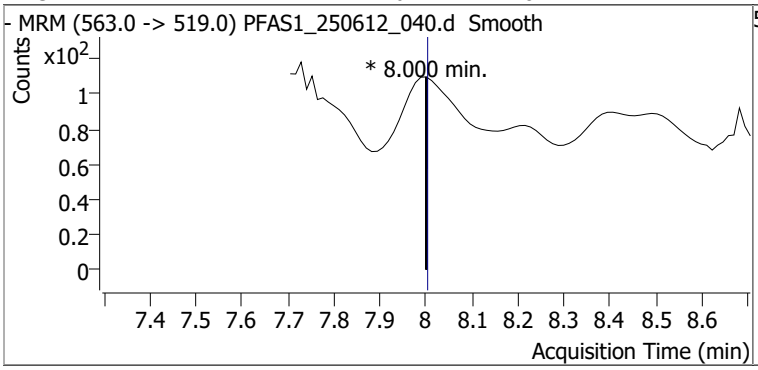
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2225	8.00	0.00	116702				

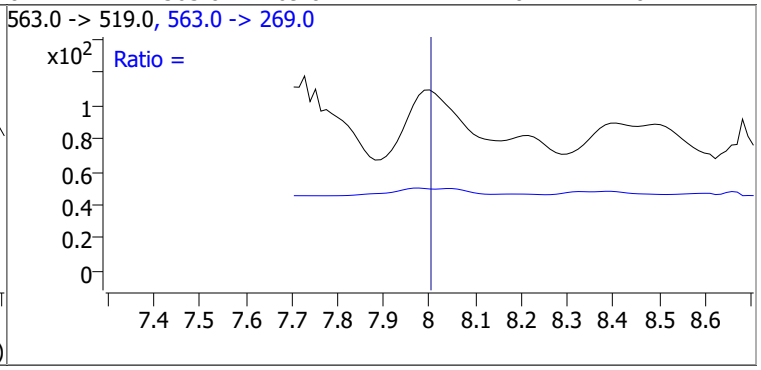




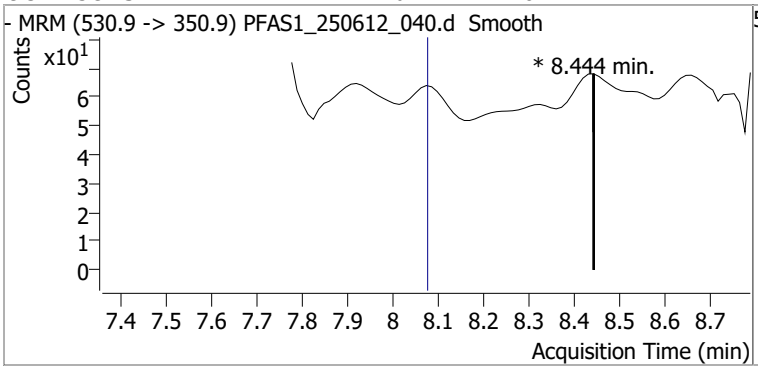


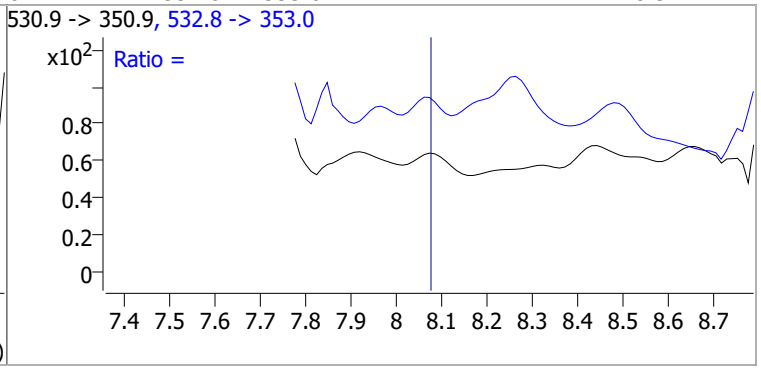
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



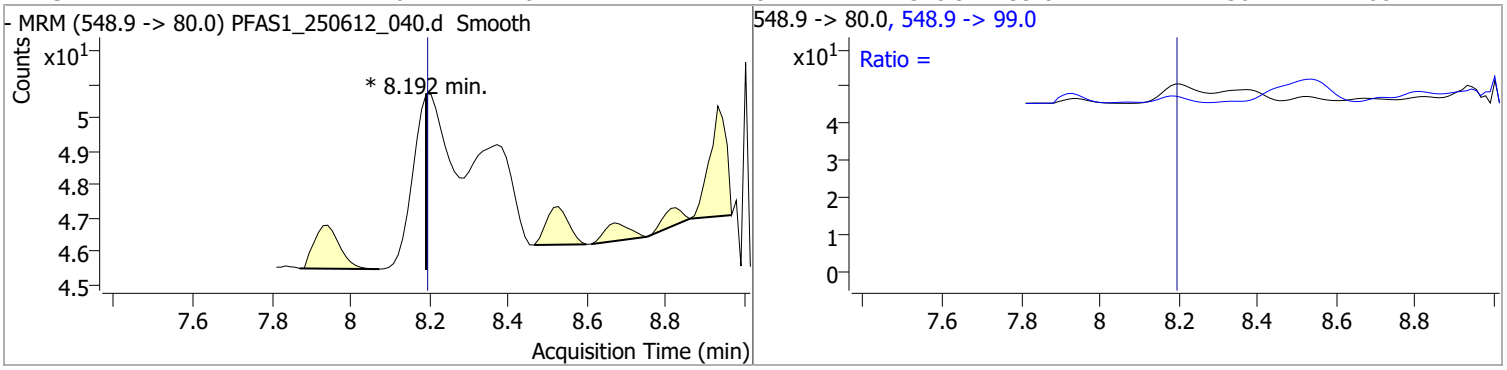


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

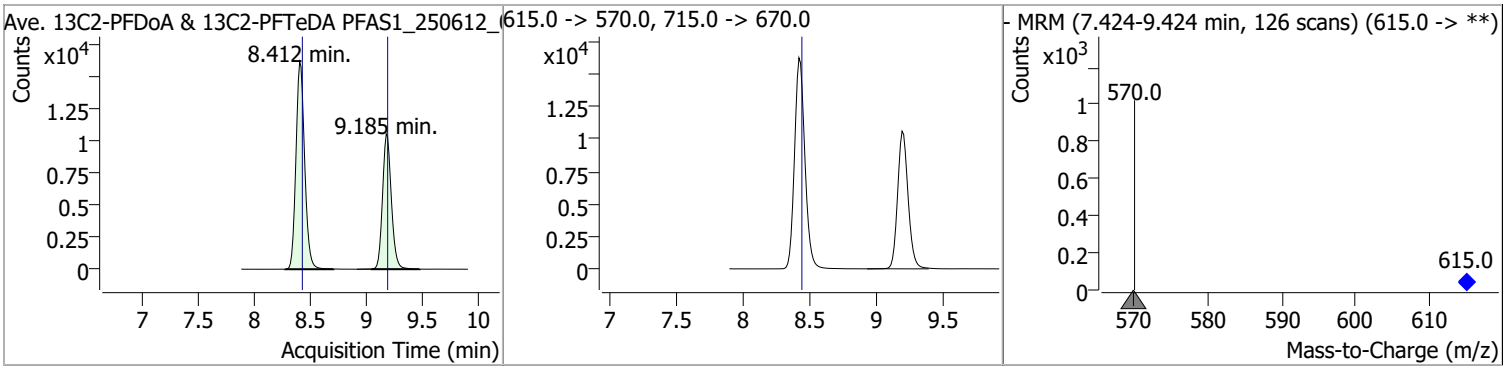




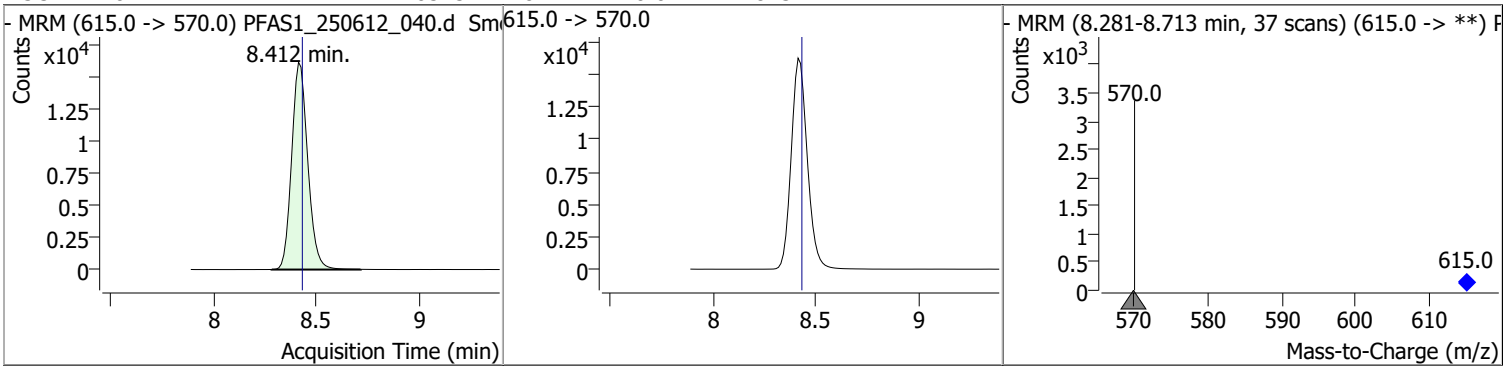
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



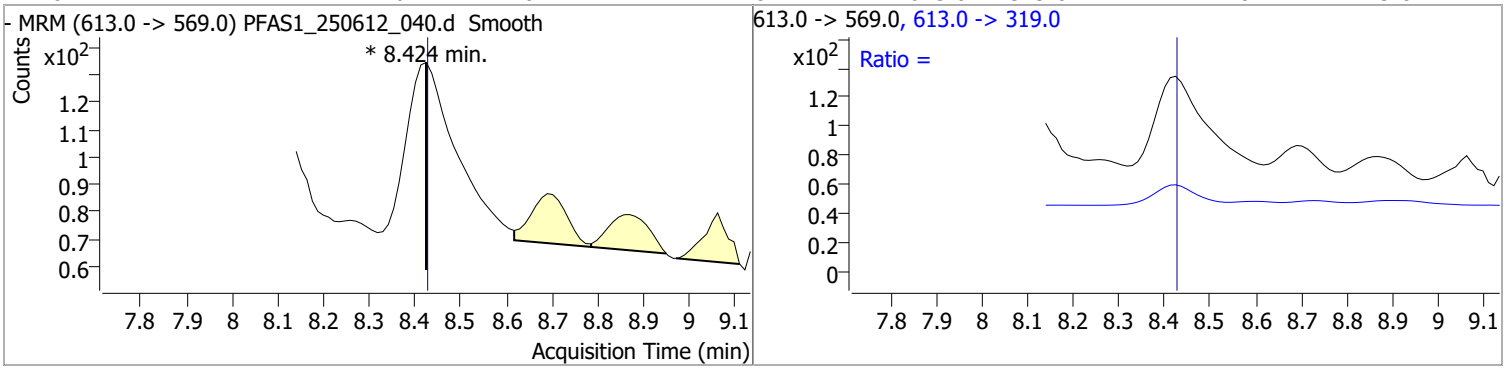
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.8845	8.80	0.37	72539				



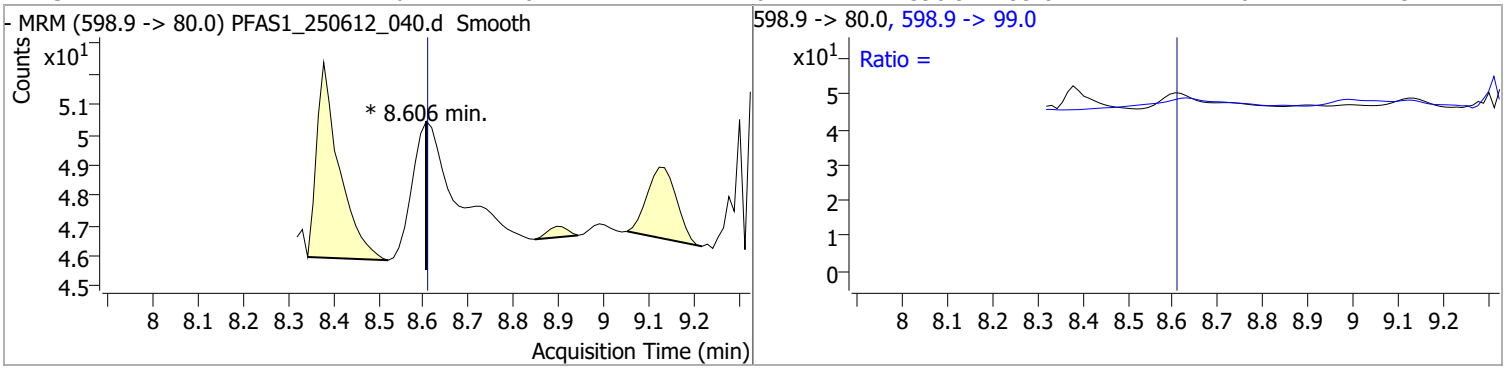
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0515	8.41	-0.01	87317				



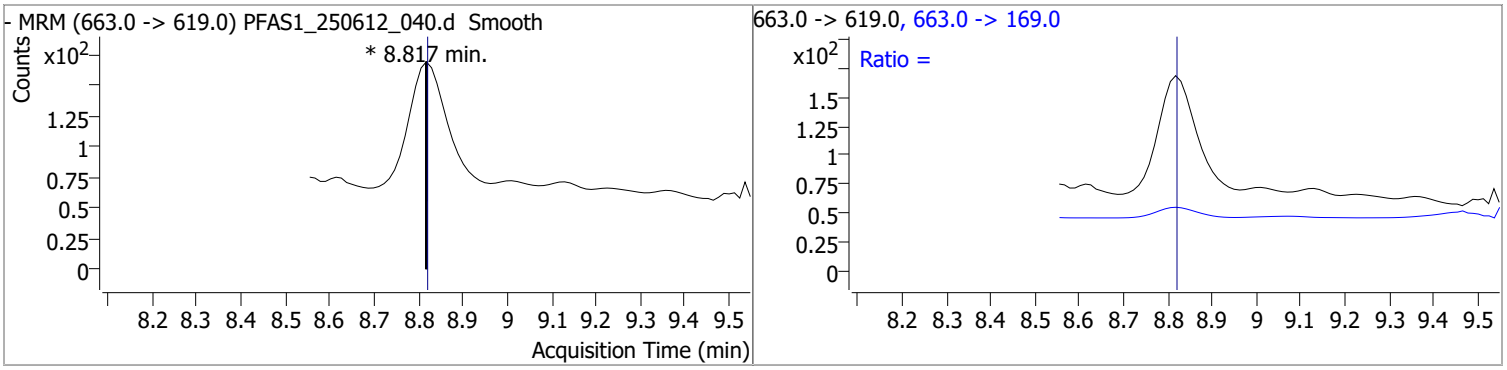
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



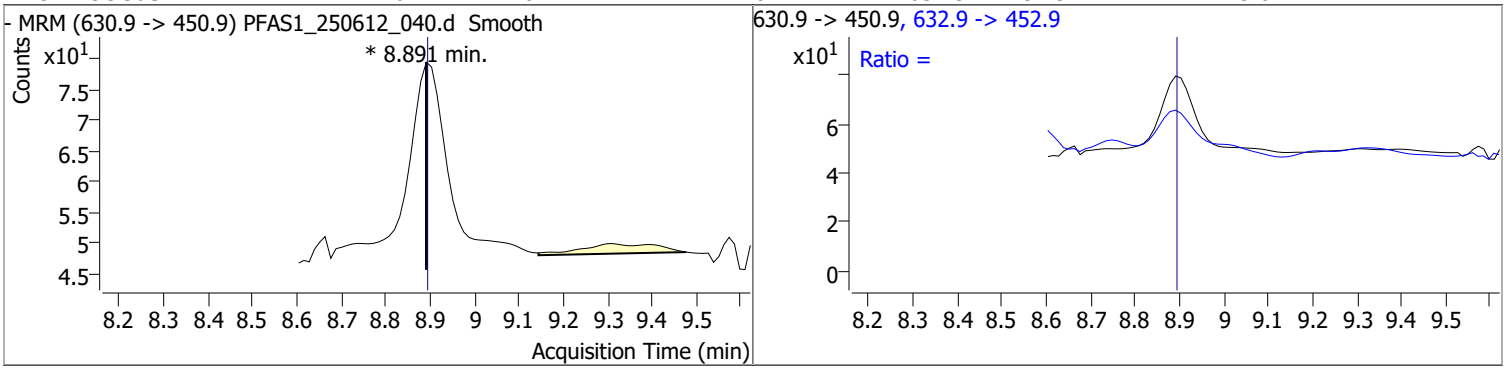
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



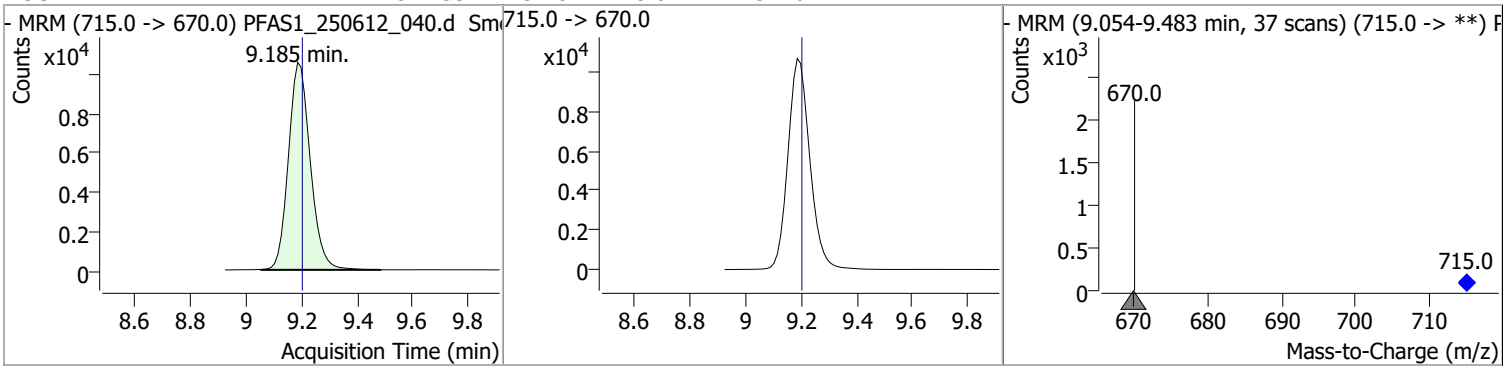
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



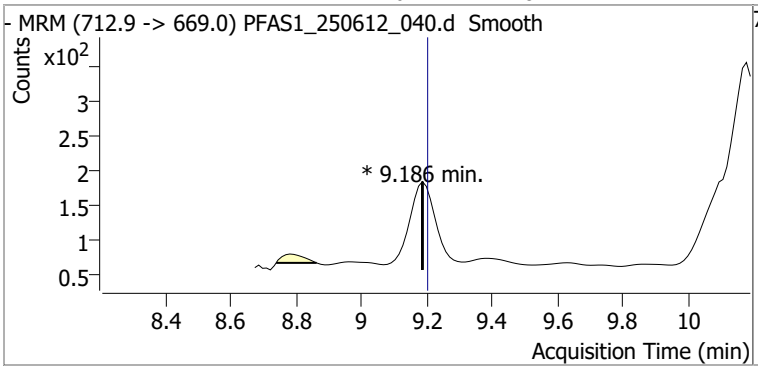
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

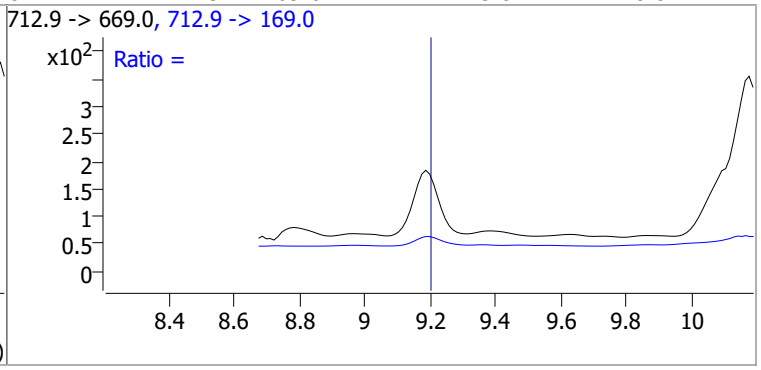


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.7133	9.18	-0.01	57762				

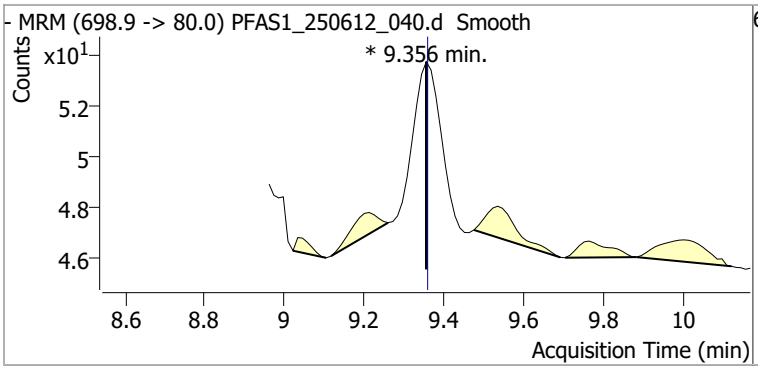


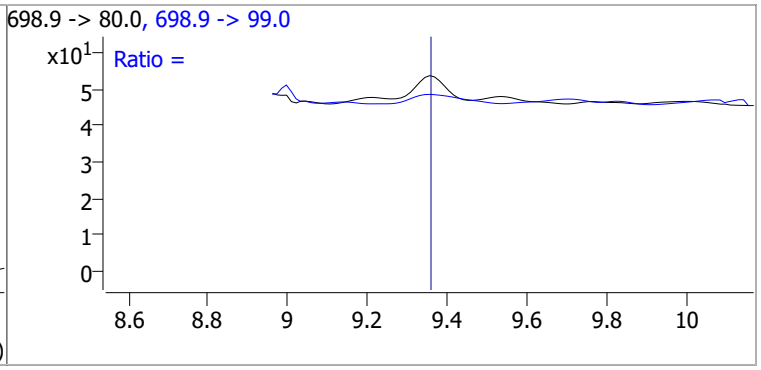
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



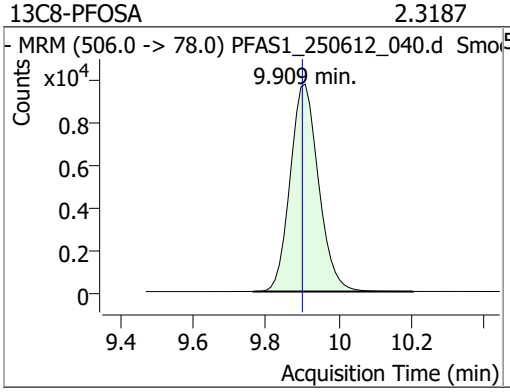


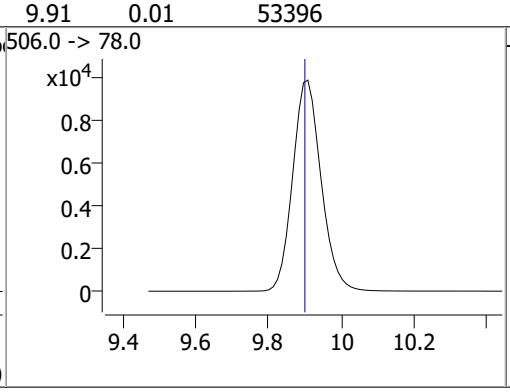
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

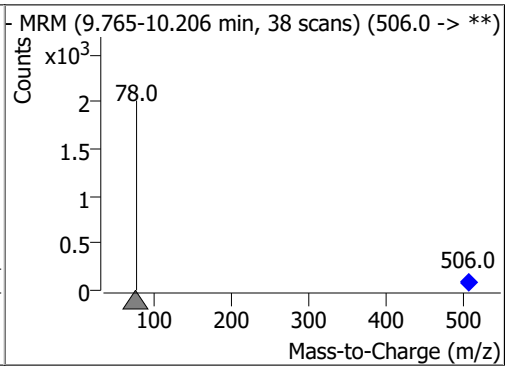




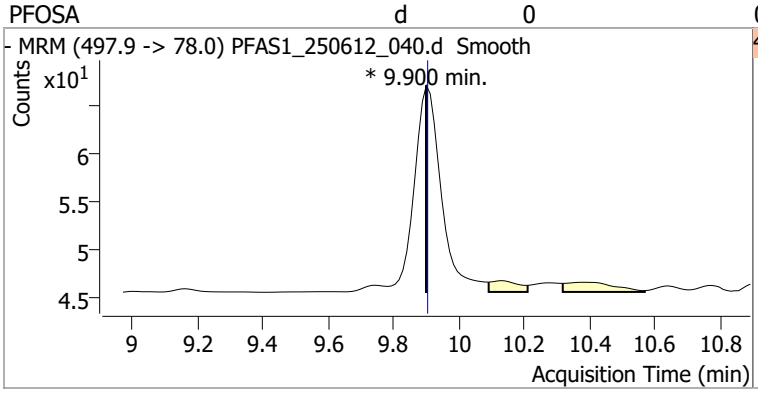
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3187	9.91	0.01	53396				

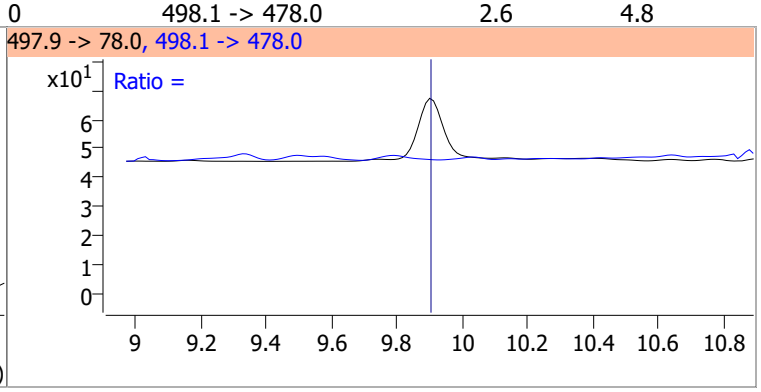




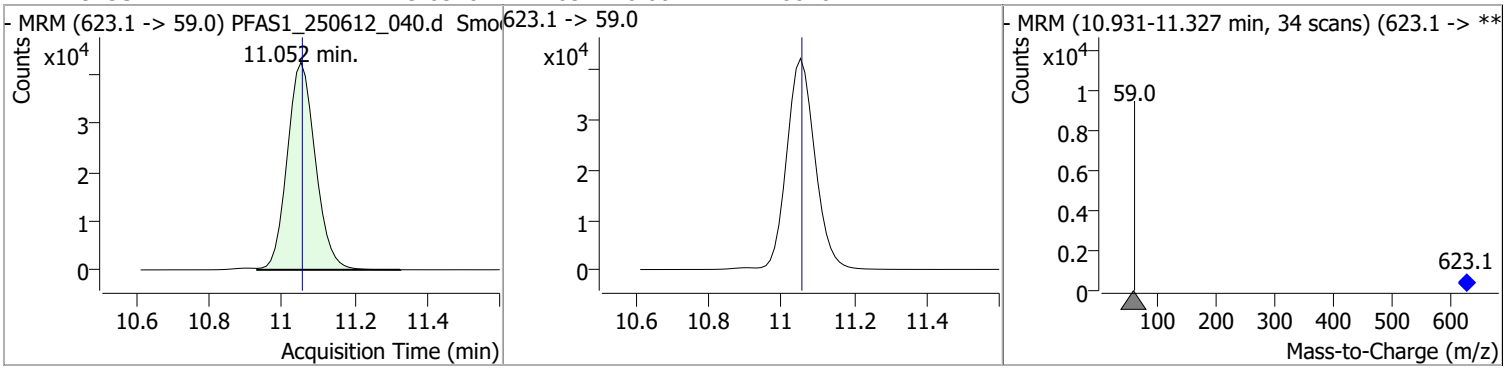


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

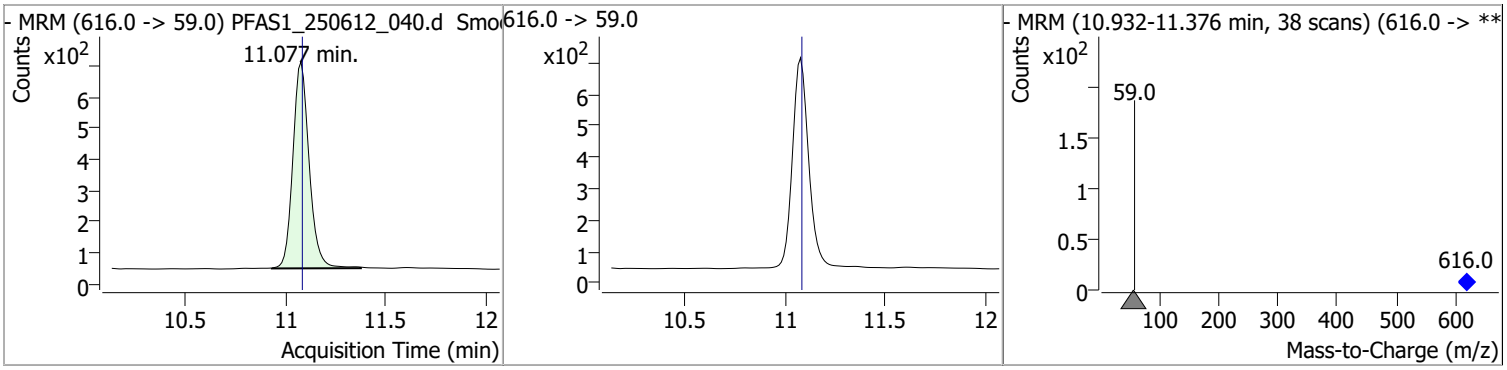




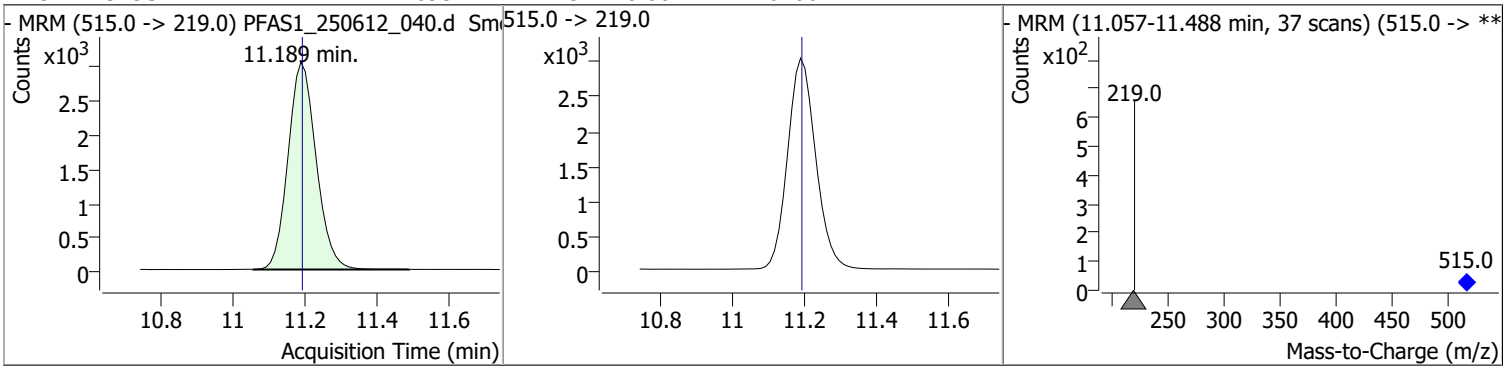
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8318	11.05	0.00	228818				



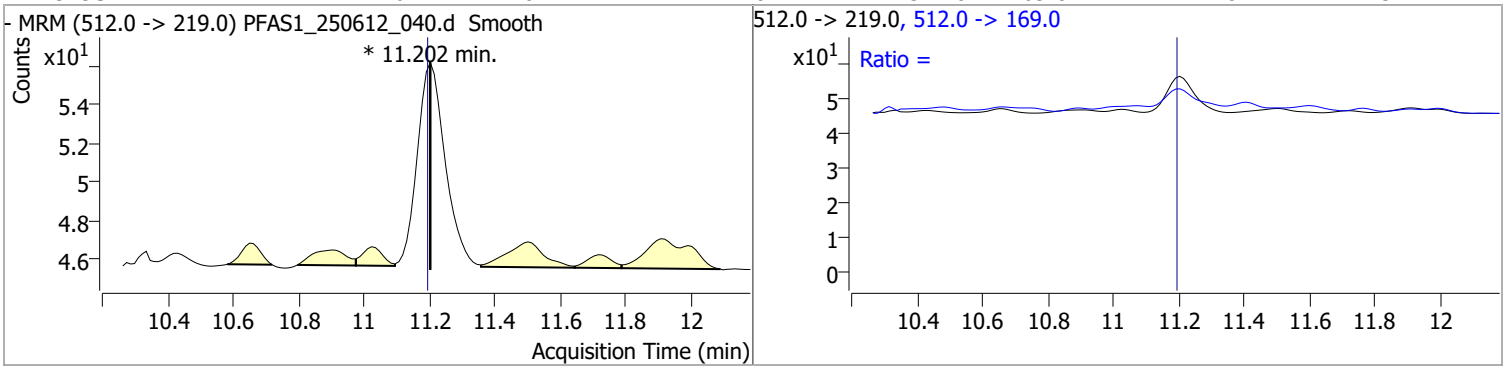
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.3539	11.08	0.00	3757				



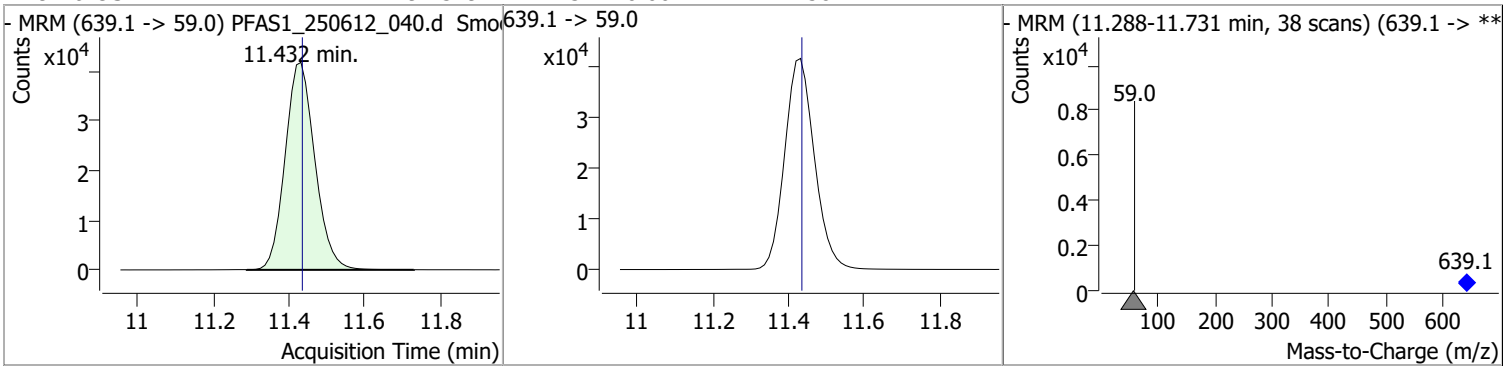
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0957	11.19	0.00	16208				



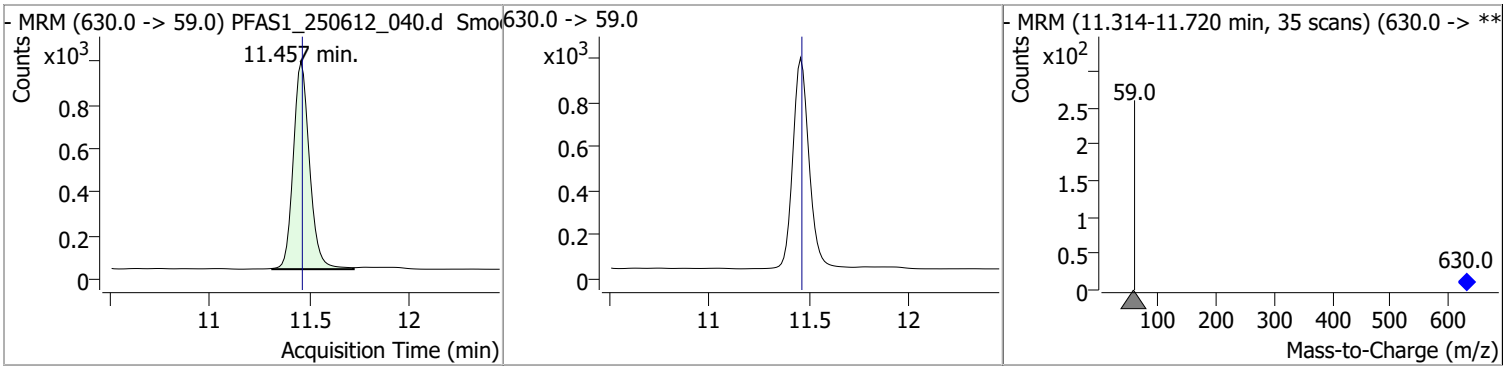
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



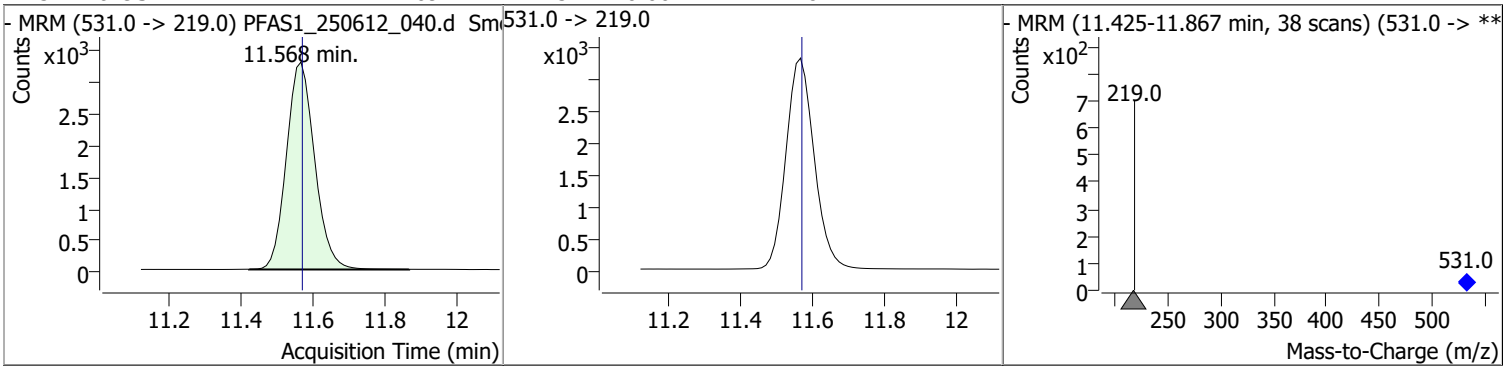
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.7329	11.43	0.00	227758				



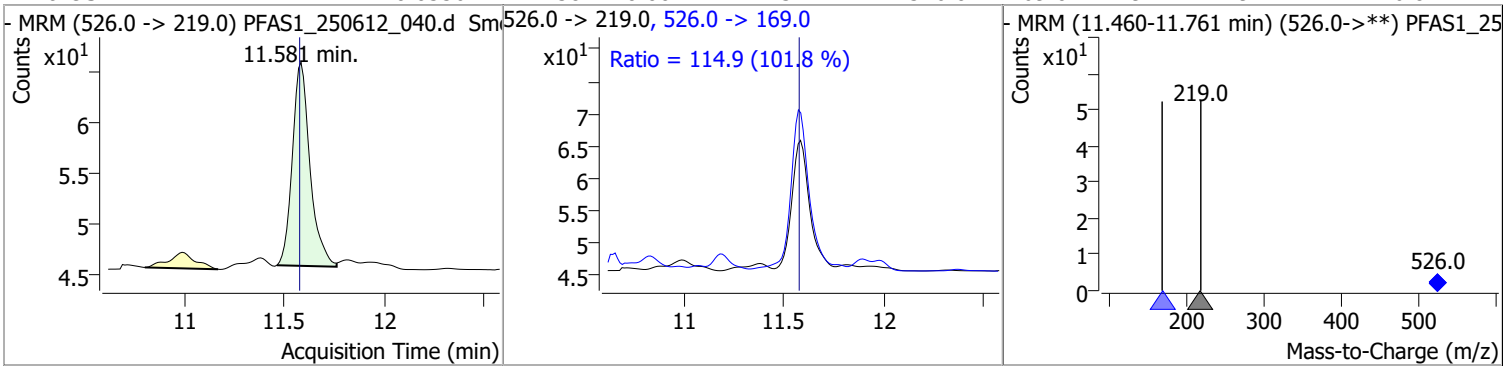
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.4235	11.46	0.00	5383				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0921	11.57	0.00	17778				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0356	11.58	0.00	123	526.0 -> 169.0	114.9	79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_040.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:39:32 PM
Sample Name	O25F0365-01	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

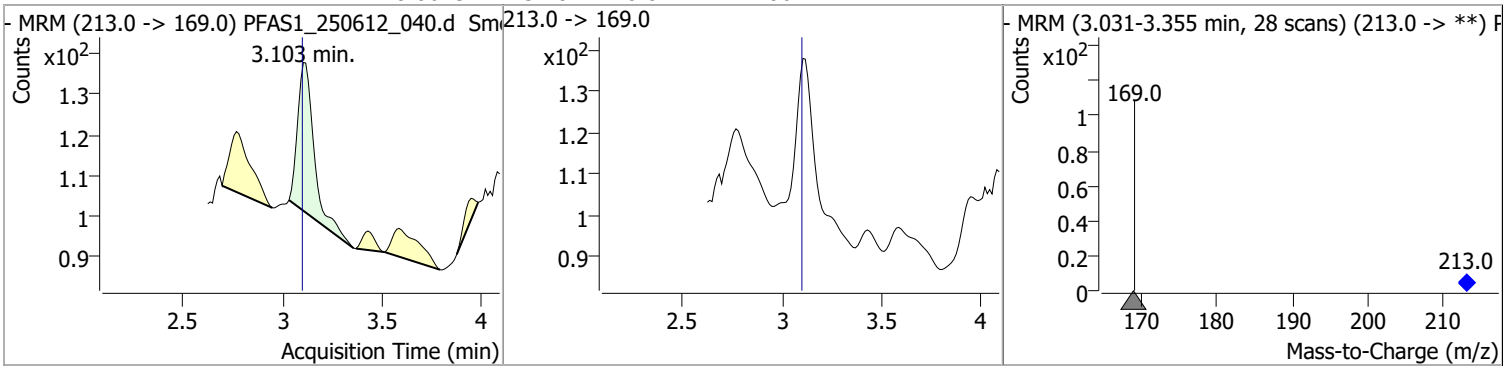
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	175255	5.0000	µg/L	10.797
13C2-PFHxA	5.479	315.0 -> 270.0	190817	2.5000	µg/L	6.795
18O2-PFHxS	6.796	403.0 -> 84.0	24942	2.5000	µg/L	6.135
13C4-PFOA	6.651	417.0 -> 172.0	22238	2.5000	µg/L	10.115
13C5-PFNA	7.125	468.0 -> 423.0	129232	1.2500	µg/L	7.983
13C2-PFDA	7.564	515.0 -> 470.0	129465	1.2500	µg/L	3.463
13C4-PFOS	7.745	503.0 -> 80.0	26223	2.5000	µg/L	5.036
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	181378	10.0000	µg/L	-50.306
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.83%		
13C4-PFBA	3.107	217.0 -> 172.0	181378	10.0000	µg/L	-50.306
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 44.83%		
13C5-PFPeA	4.594	268.0 -> 223.0	268815	5.0000	µg/L	-0.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.34%		
13C5-PFPeA	4.594	268.0 -> 223.0	268815	5.0000	µg/L	-0.352
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.34%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20783	5.0000	µg/L	28.971
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.15%		
13C5-PFHxA	5.478	318.0 -> 273.0	187993	2.5000	µg/L	2.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.65%		
13C5-PFHxA	5.478	318.0 -> 273.0	187993	2.5000	µg/L	2.170
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.65%		
13C3-PFBS	5.494	302.0 -> 80.0	43745	2.5000	µg/L	2.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.89%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	218145	10.0000	µg/L	-1.680
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.03%		
13C4-PFHpA	6.130	367.0 -> 322.0	215818	2.5000	µg/L	1.229
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.74%		
13C3-PFHxS	6.797	402.0 -> 80.0	27250	2.5000	µg/L	0.994
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.20%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	13209	5.0000	µg/L	17.129
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.79%		
13C8-PFOA	6.650	421.0 -> 376.0	228309	2.5000	µg/L	1.069
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 91.71%		
13C3-PFHxS	6.797	402.0 -> 80.0	27250	2.5000	µg/L	0.994
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.20%		
13C9-PFNA	7.125	472.0 -> 427.0	126643	1.2500	µg/L	3.212
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.61%		
13C8-PFOS	7.744	507.0 -> 80.0	24680	2.5000	µg/L	-0.259
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.00%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13952	5.0000	µg/L	13.358
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.87%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13952	5.0000	µg/L	13.358
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 106.87%		
13C6-PFDA	7.563	519.0 -> 474.0	134565	1.2500	µg/L	1.250

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.92%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	87429	5.0000	µg/L		-5.931
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.30%			
13C8-PFOS	7.744	507.0 -> 80.0	24680	2.5000	µg/L		-0.259
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.00%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	65763	5.0000	µg/L		-11.776
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 83.83%			
13C7-PFUnDA	7.999	570.0 -> 525.0	116702	1.2500	µg/L		1.160
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.80%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	72539	1.2500	µg/L		-26.731
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 70.76%			
13C2-PFDoDA	8.412	615.0 -> 570.0	87317	1.2500	µg/L		-12.901
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 84.12%			
13C2-PFTDA	9.185	715.0 -> 670.0	57762	1.2500	µg/L		-40.913
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 57.06%			
13C8-PFOSA	9.909	506.0 -> 78.0	53396	2.5000	µg/L		-2.373
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.75%			
2H7-MeFOSE	11.052	623.1 -> 59.0	228818	25.0000	µg/L		-16.705
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.33%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16208	2.5000	µg/L		-11.690
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.83%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227758	25.0000	µg/L		-17.111
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 78.93%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17778	2.5000	µg/L		-11.977
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.68%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	206	0.0645	µg/L		100
PFMPA	3.794	229.0 -> 85.0	19	0.0376	µg/L		100
3-3 FTCA	4.708	241.0 -> 177.0	2	0.0392	µg/L	#	1
PFPeA	4.596	263.0 -> 219.0	244	0.0349	µg/L		100
PFMBA	4.910	279.0 -> 85.0	78	0.0454	µg/L		100
4-2 FTSA	5.251	327.0 -> 307.0	57	0.0092	µg/L	#	79
NFDHA	5.390	295.0 -> 201.0	41	0.0000	µg/L		95
PFHxA	5.480	313.0 -> 269.0	252	0.0100	µg/L		99
PFBS	5.378	298.9 -> 80.0	6	0.0000	µg/L	#	1
HFPO-DA	5.736	285.0 -> 169.0	99	0.0135	µg/L	#	1
PFEESA	5.872	314.9 -> 135.0	68	0.0000	µg/L	#	1
5-3 FTCA	6.120	341.0 -> 237.0	55	0.6592	µg/L	#	49
PFHpA	6.142	363.0 -> 319.0	428	0.0239	µg/L	#	76
PFPeS	6.348	348.9 -> 80.0	15	0.0157	µg/L		30
DONA	6.428	377.0 -> 251.0	64	0.0434	µg/L	#	63
6-2 FTSA	6.448	427.0 -> 407.0	77	0.0000	µg/L	#	14
PFOA	6.651	413.0 -> 369.0	1071	0.0220	µg/L		96
PFHxS	6.798	398.9 -> 80.0	152	0.0067	µg/L		97
PFNA	7.138	463.0 -> 419.0	151	0.0135	µg/L	#	57
PFHpS	7.486	448.9 -> 80.0	34	0.0018	µg/L		26
8-2 FTSA	7.361	527.0 -> 507.0	47	0.0196	µg/L	#	69
7-3 FTCA	7.474	441.0 -> 317.0	100	0.6706	µg/L		94
PFDA	7.600	513.0 -> 469.0	156	0.0187	µg/L	#	79
N-MeFOSAA	7.704	570.0 -> 419.0	76	0.0020	µg/L		33
PFOS	7.746	498.9 -> 80.0	195	0.0000	µg/L		92
N-EtFOSAA	7.939	584.0 -> 419.0	116	0.0190	µg/L	#	8
PFUnDA	8.000	563.0 -> 519.0	239	0.0136	µg/L	#	87
9Cl-PF3ONS	8.444	530.9 -> 350.9	185	0.0035	µg/L	#	80

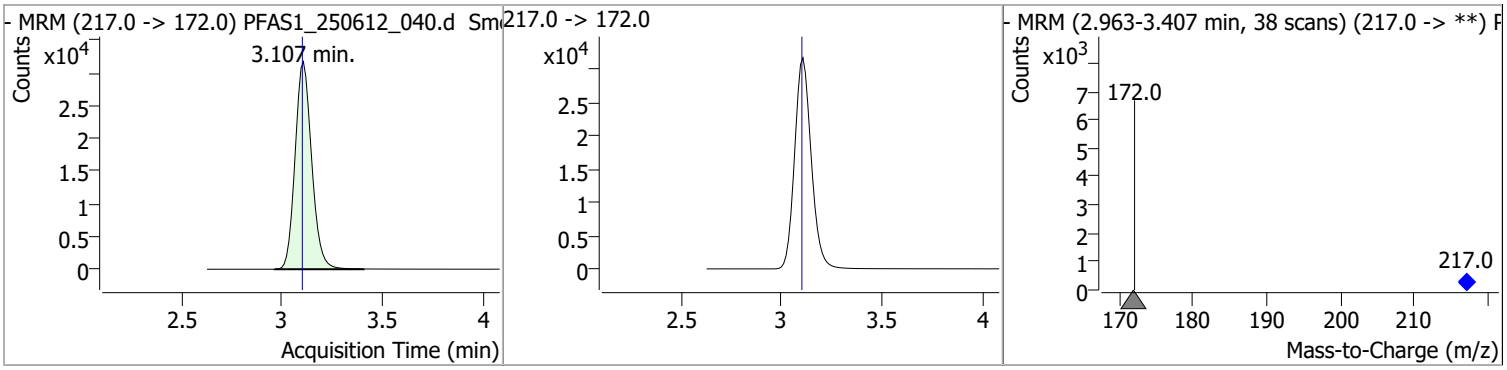
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	19	0.0000	µg/L		78
PFDoDA	8.424	613.0 -> 569.0	460	0.0119	µg/L	#	86
PFDS	8.606	598.9 -> 80.0	17	0.0179	µg/L	#	1
PFTrDA	8.817	663.0 -> 619.0	549	0.0248	µg/L		97
11Cl-PF3OUdS	8.891	630.9 -> 450.9	189	0.0140	µg/L	#	46
PFTDA	9.186	712.9 -> 669.0	668	0.0295	µg/L	#	83
PFDoS	9.356	698.9 -> 80.0	31	0.0248	µg/L		88
PFOSA	9.900	497.9 -> 78.0	125	0.0111	µg/L		89
MeFOSE	11.077	616.0 -> 59.0	3757	0.3539	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	62	0.0114	µg/L	#	38
EtFOSE	11.457	630.0 -> 59.0	5383	0.4235	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	123	0.0356	µg/L		98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

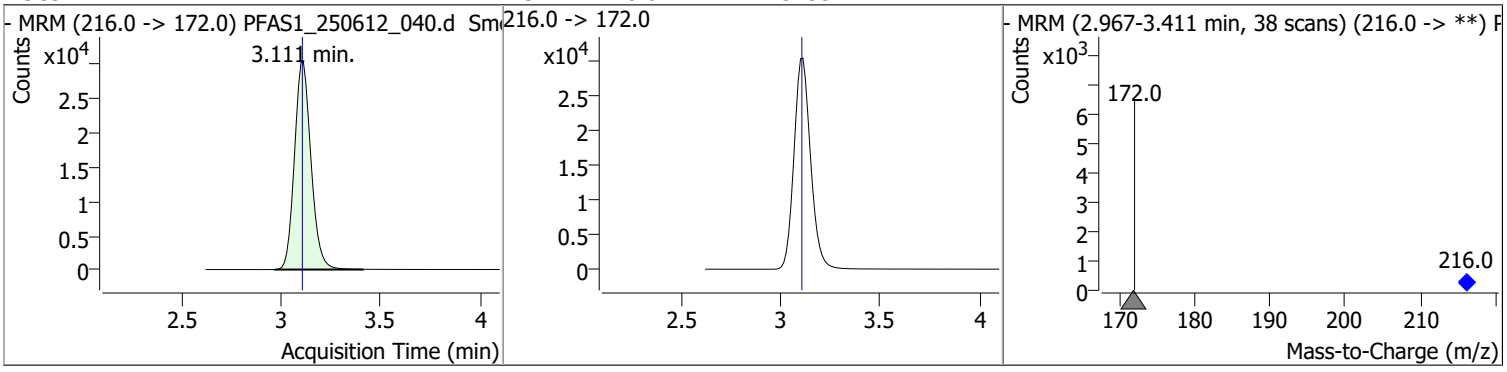
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0645	3.10	0.01	206				



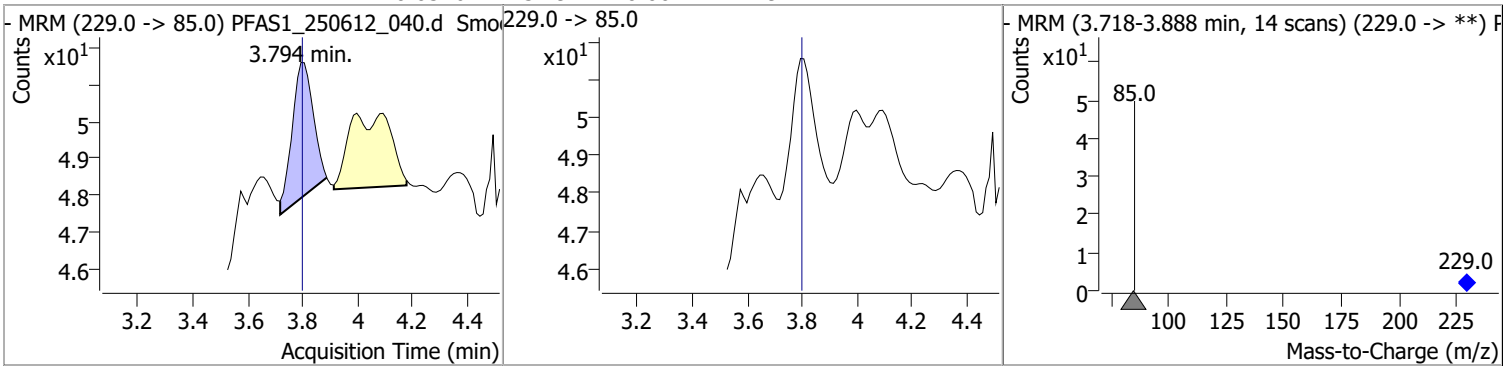
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.4825	3.11	0.01	181378				



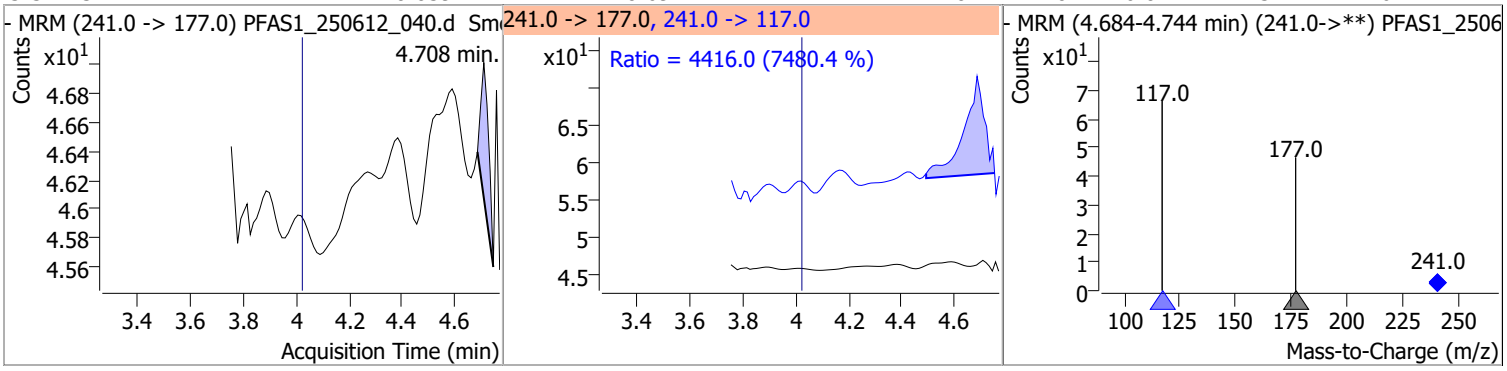
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	175255				



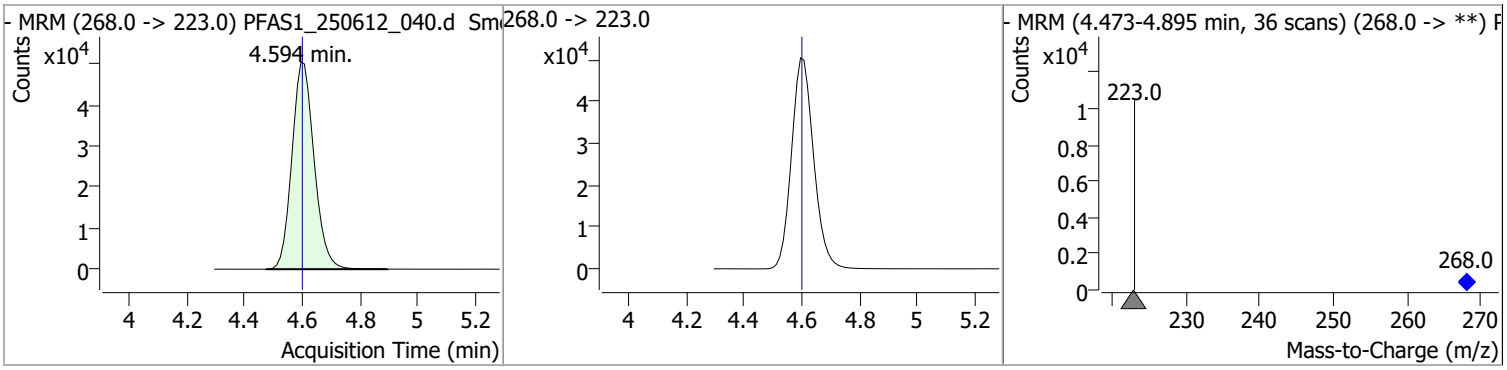
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0376	3.79	0.00	19				



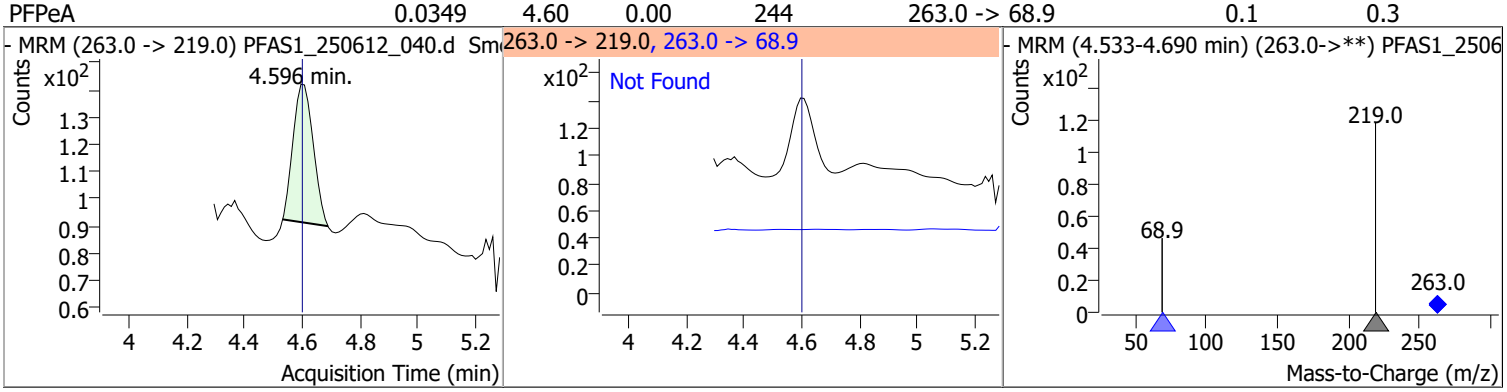
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0392	4.71	0.69	2	241.0 -> 117.0	4416.0	41.3	76.7



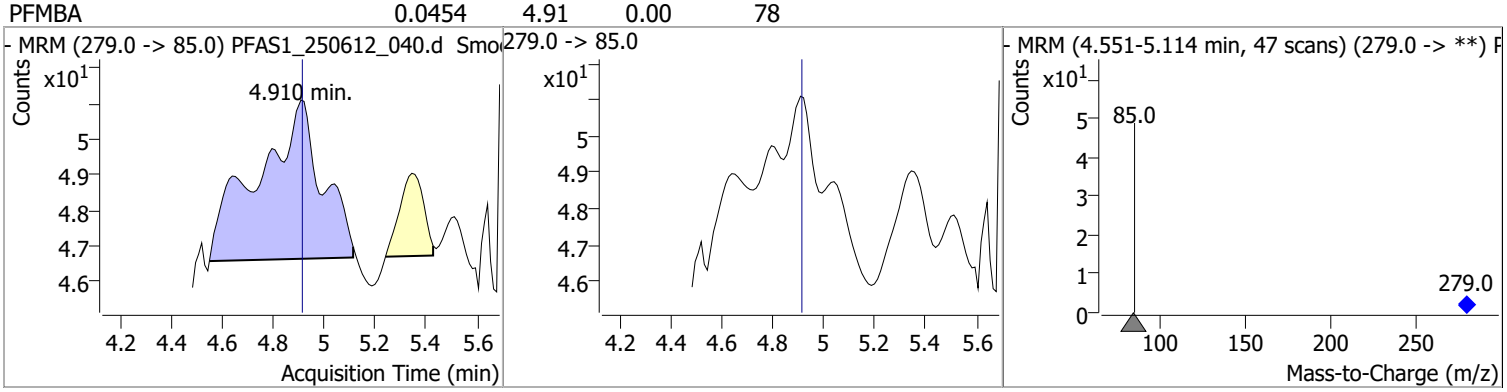
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6670	4.59	0.00	268815				



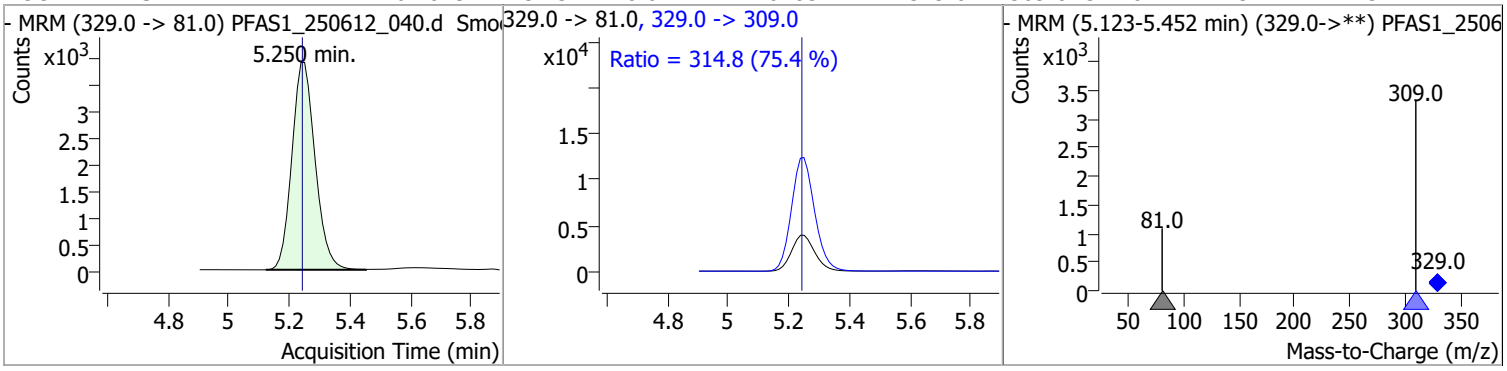
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0349	4.60	0.00	244	263.0 -> 68.9		0.1	0.3



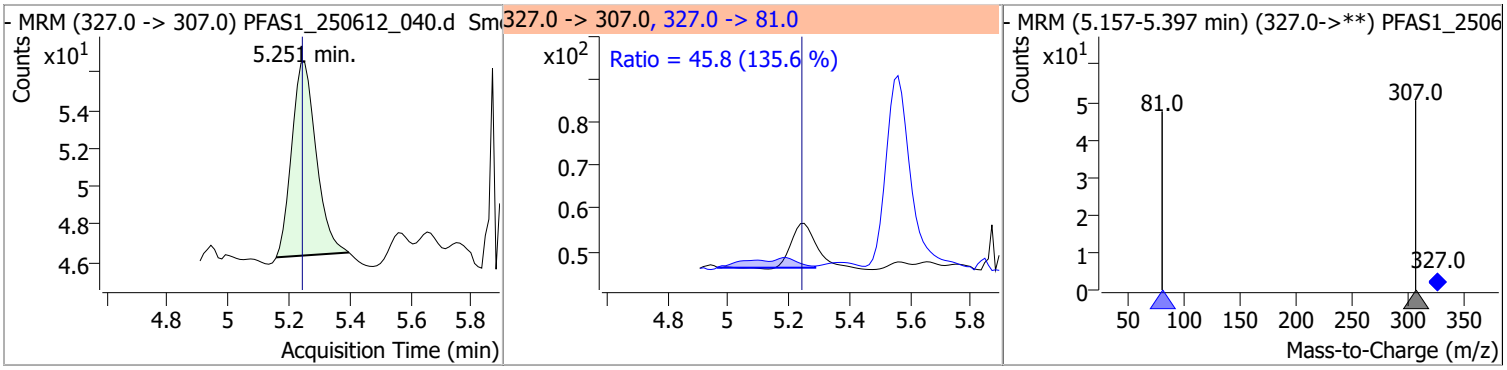
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0454	4.91	0.00	78				



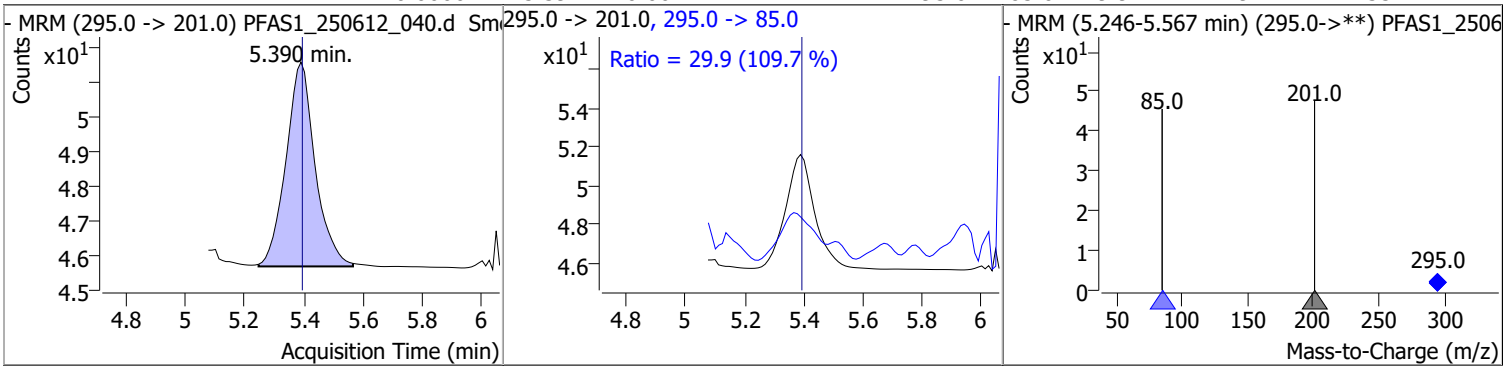
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1075	5.25	0.01	20783	329.0 -> 309.0	314.8	292.1	542.4



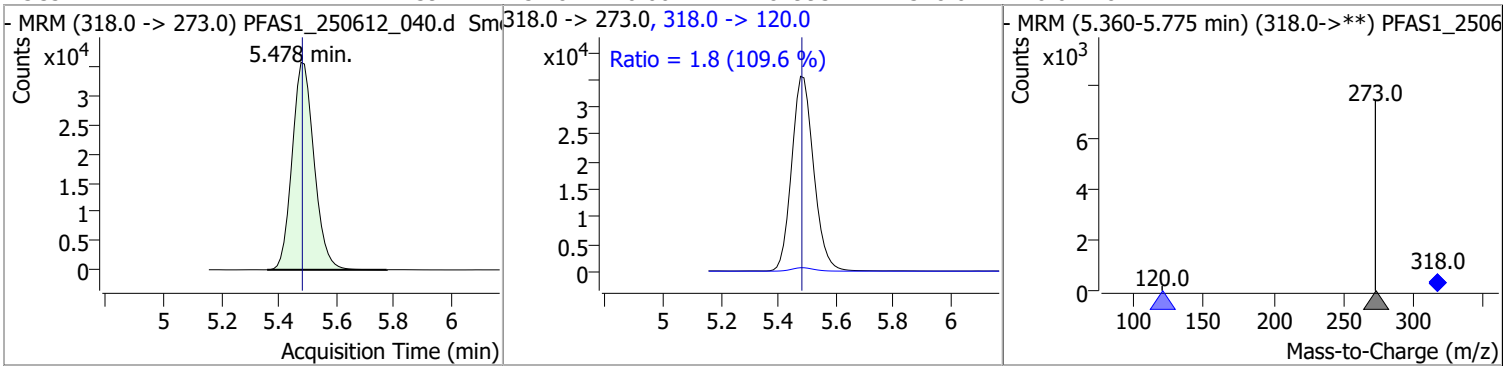
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0092	5.25	0.01	57	327.0 -> 81.0	45.8	23.6	43.9



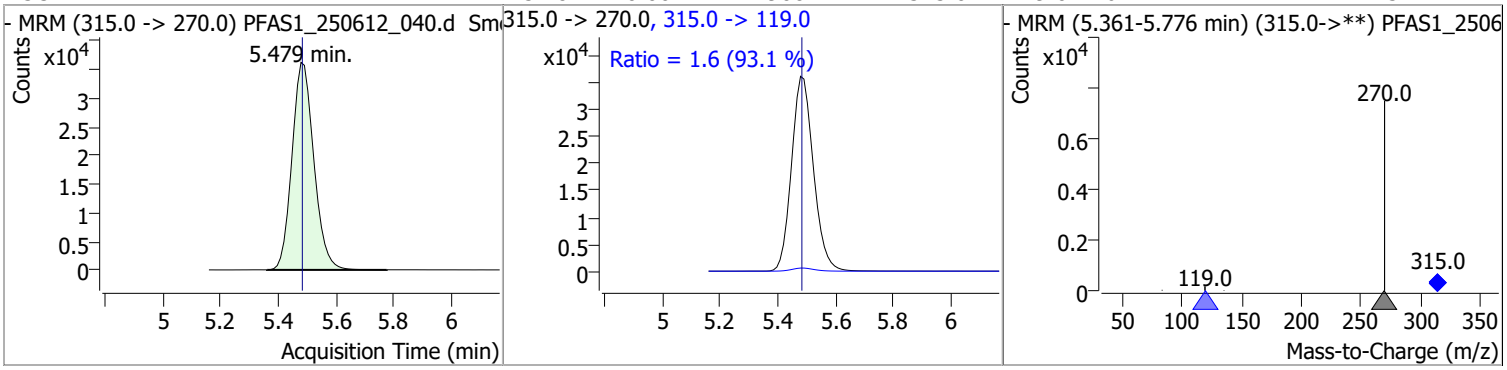
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.39	0.00	41	295.0 -> 85.0	29.9	19.1	35.4



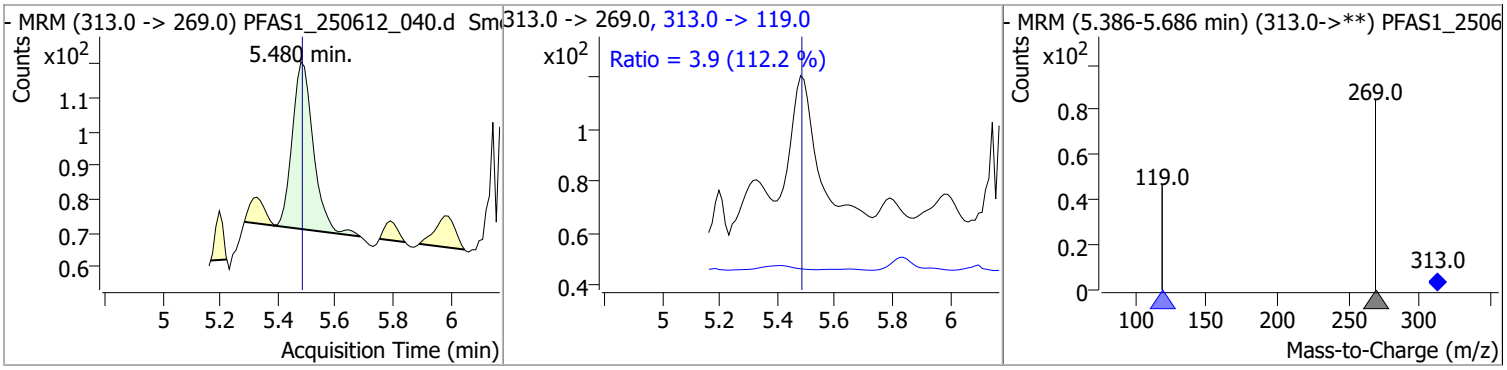
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.3914	5.48	0.00	187993	318.0 -> 120.0	1.8	1.1	2.1



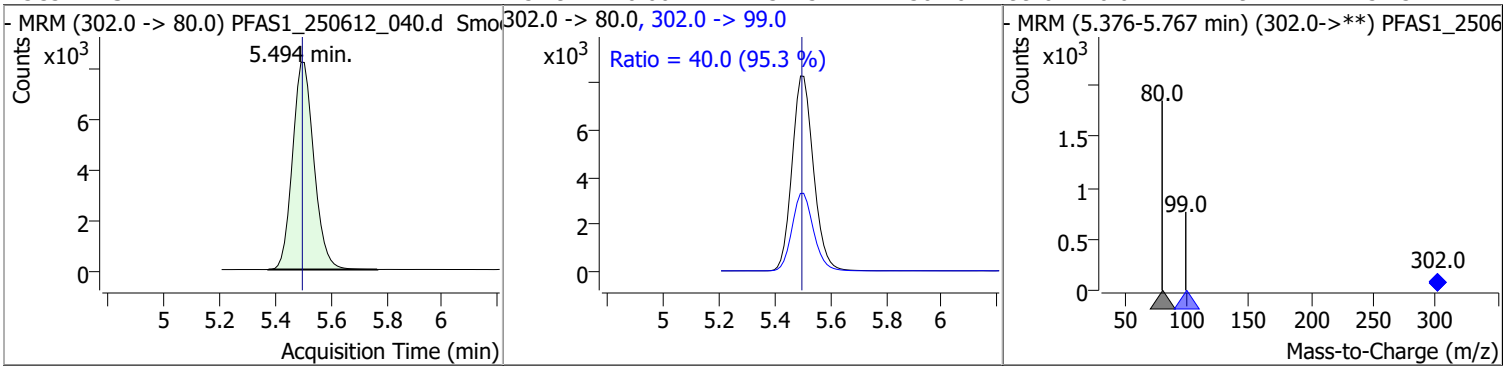
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	190817	315.0 -> 119.0	1.6	1.2	2.3



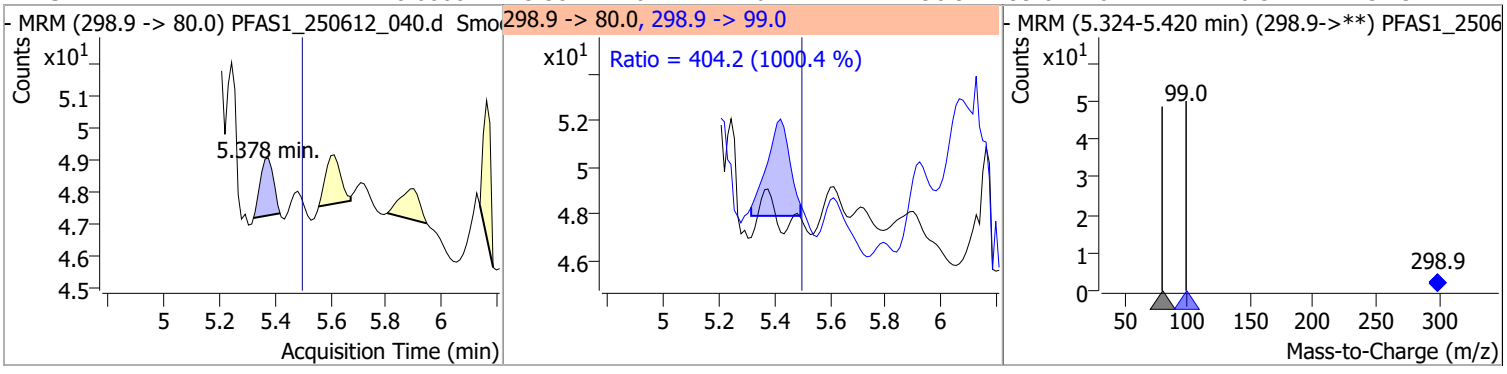
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0100	5.48	0.00	252	313.0 -> 119.0	3.9	2.4	4.5



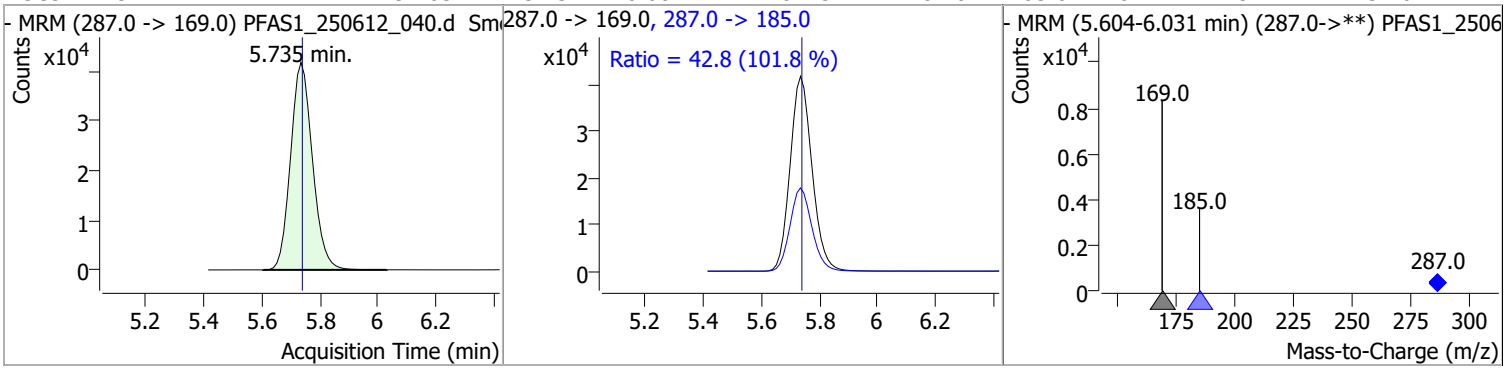
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4222	5.49	0.00	43745	302.0 -> 99.0	40.0	29.4	54.5



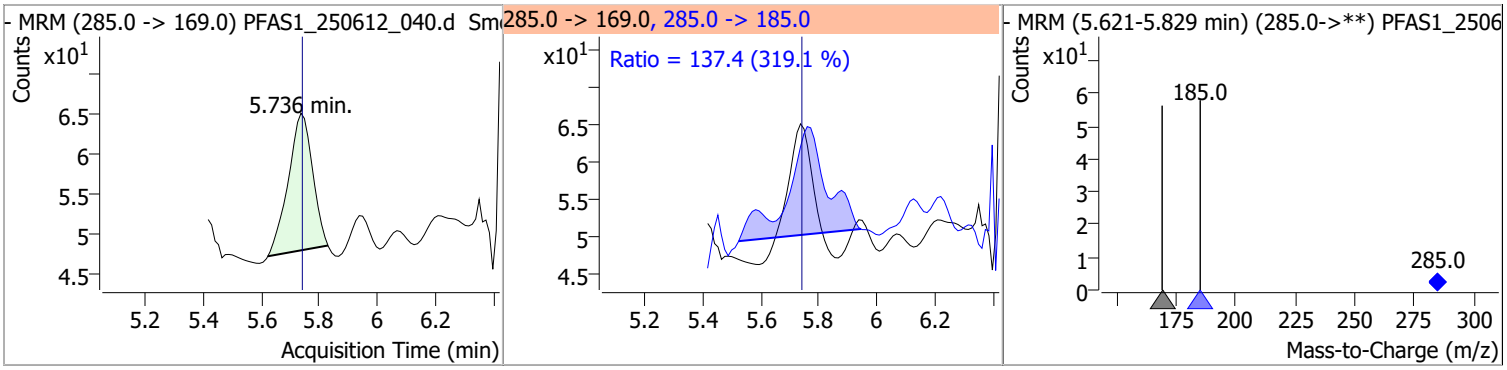
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.38	-0.12	6	298.9 -> 99.0	404.2	28.3	52.5



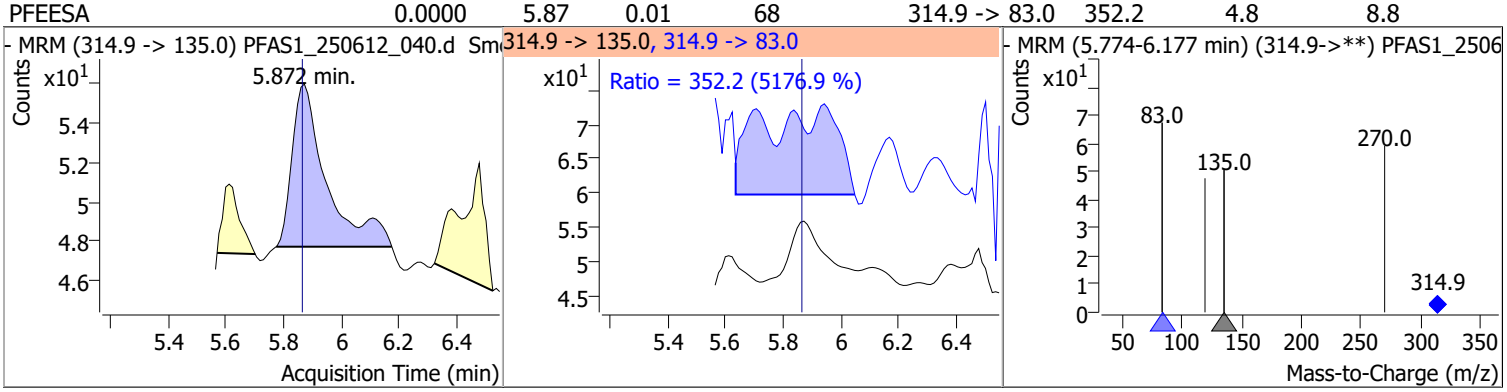
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.2034	5.73	0.00	218145	287.0 -> 185.0	42.8	29.4	54.6



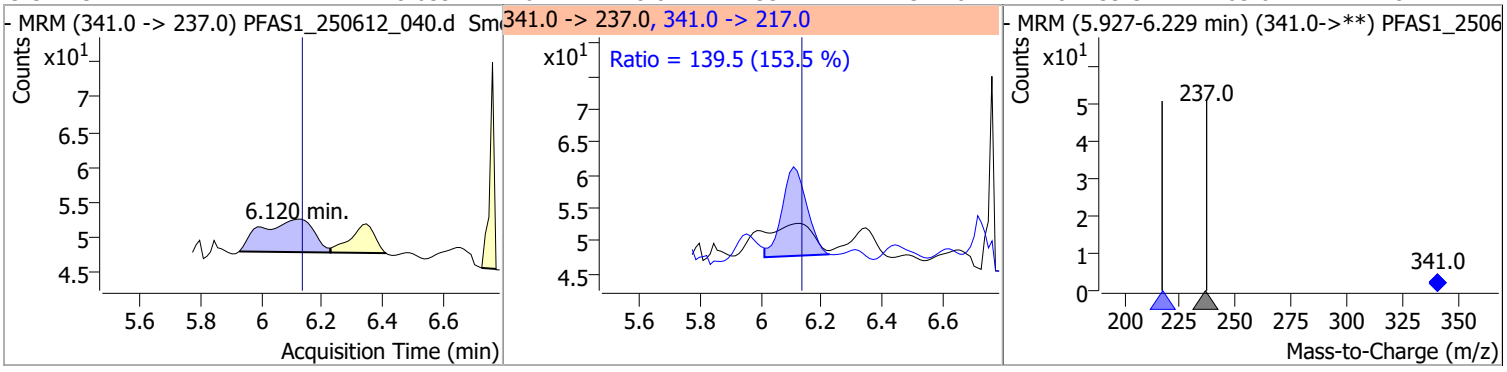
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0135	5.74	0.00	99	285.0 -> 185.0	137.4	30.1	56.0



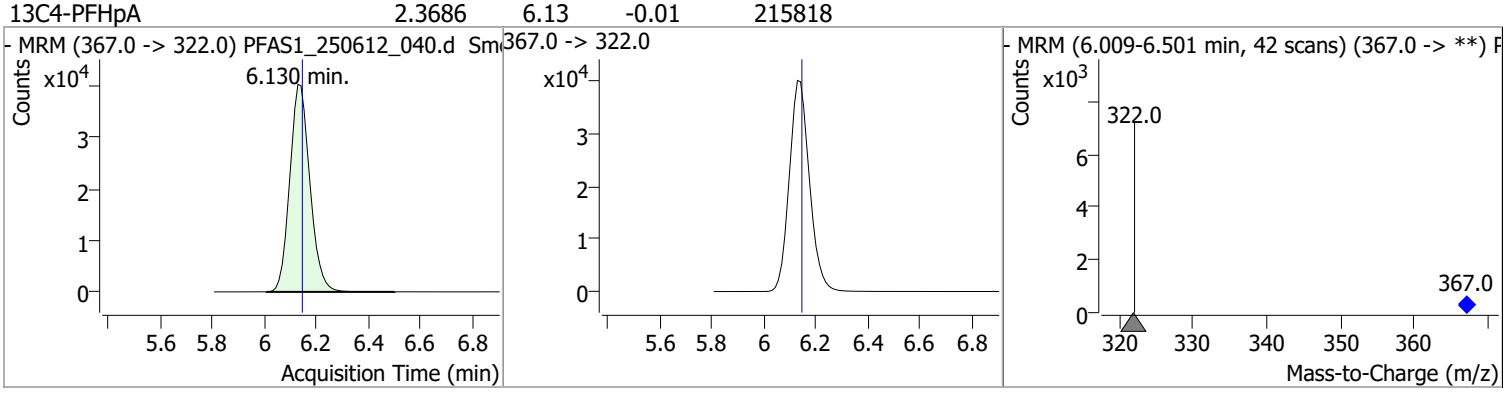
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.87	0.01	68	314.9 -> 83.0	352.2	4.8	8.8



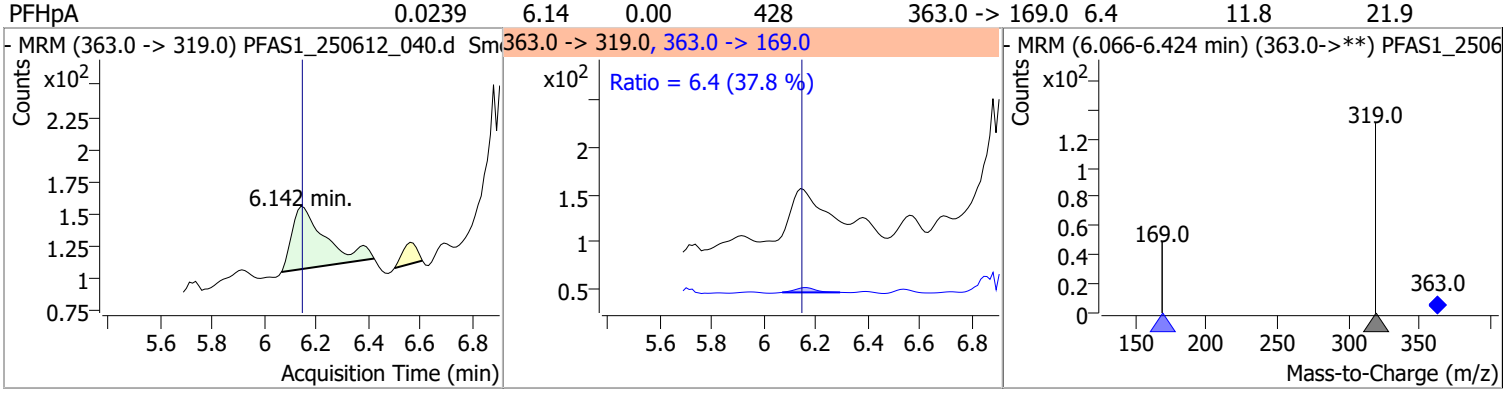
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6592	6.12	-0.01	55	341.0 -> 217.0	139.5	63.6	118.1



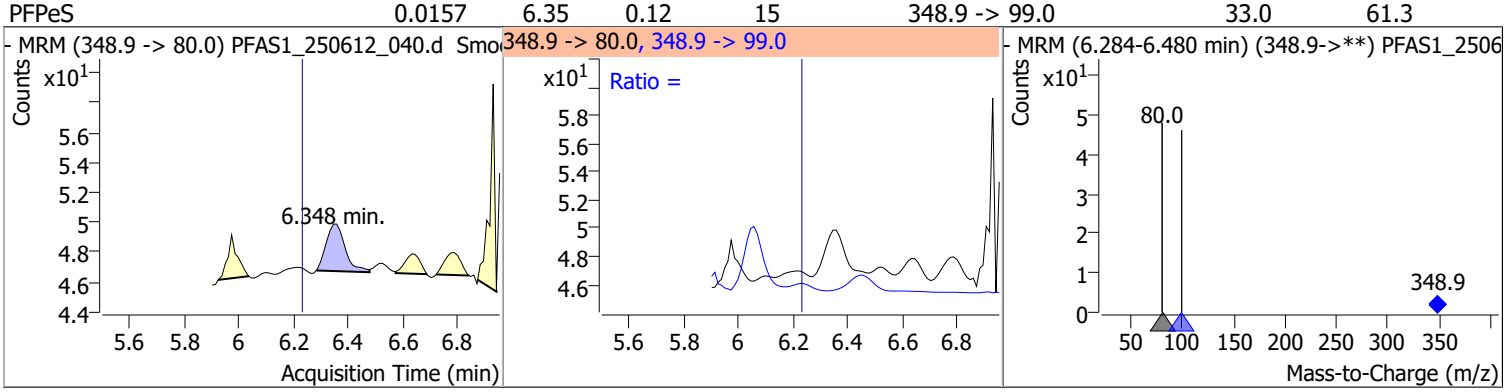
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3686	6.13	-0.01	215818				



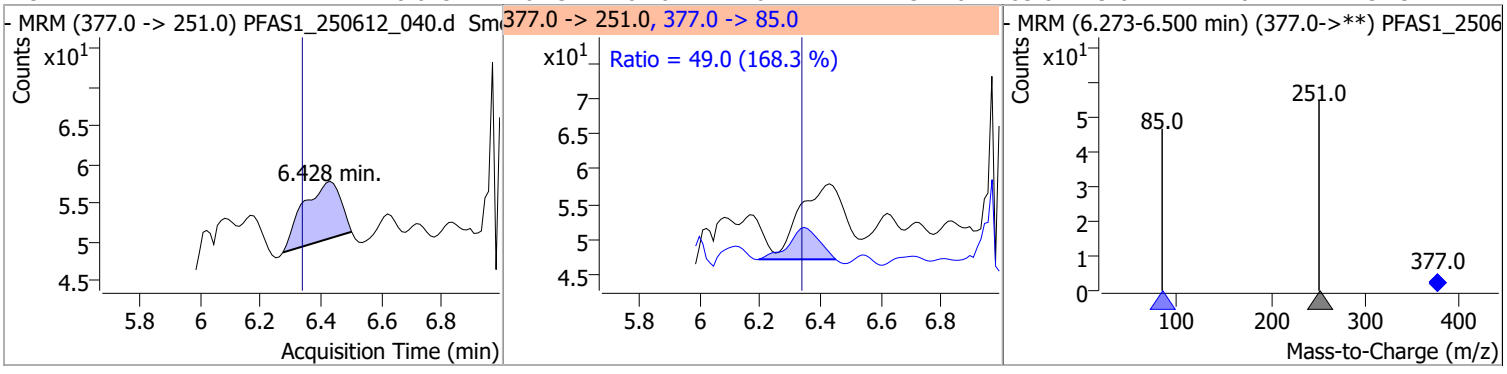
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0239	6.14	0.00	428	363.0 -> 169.0	6.4	11.8	21.9



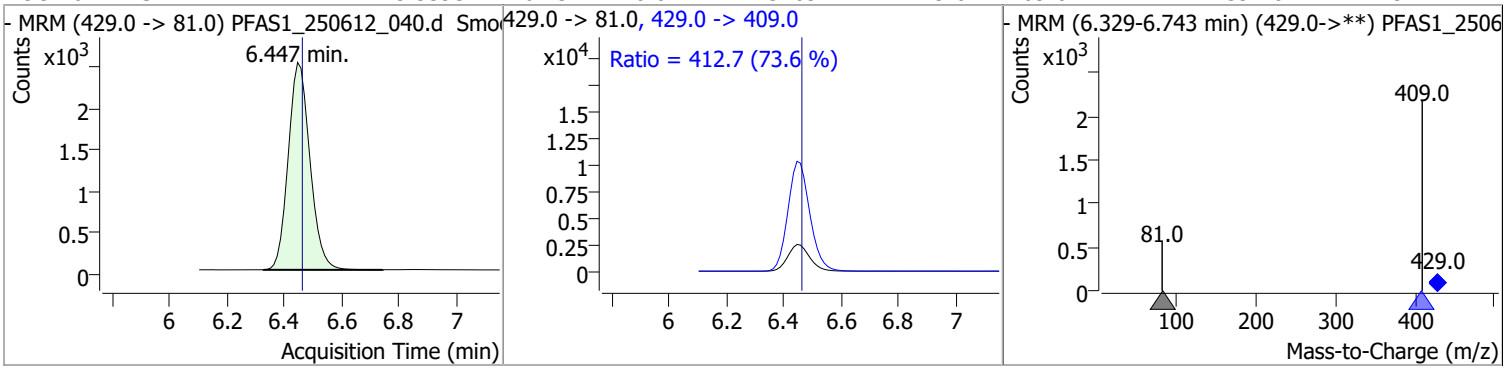
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0157	6.35	0.12	15	348.9 -> 99.0		33.0	61.3



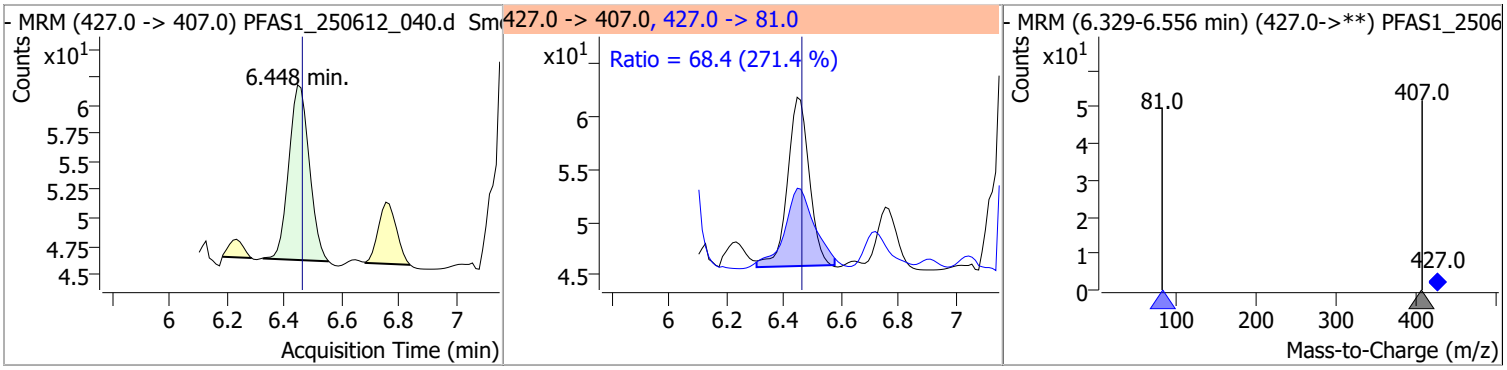
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0434	6.43	0.10	64	377.0 -> 85.0	49.0	20.4	37.9



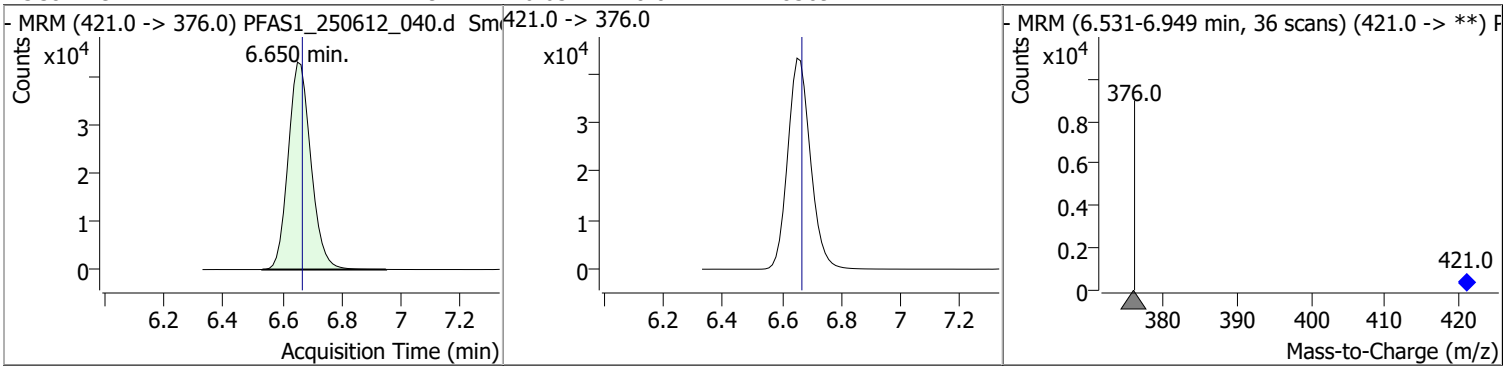
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5393	6.45	-0.01	13209	429.0 -> 409.0	412.7	392.8	729.4



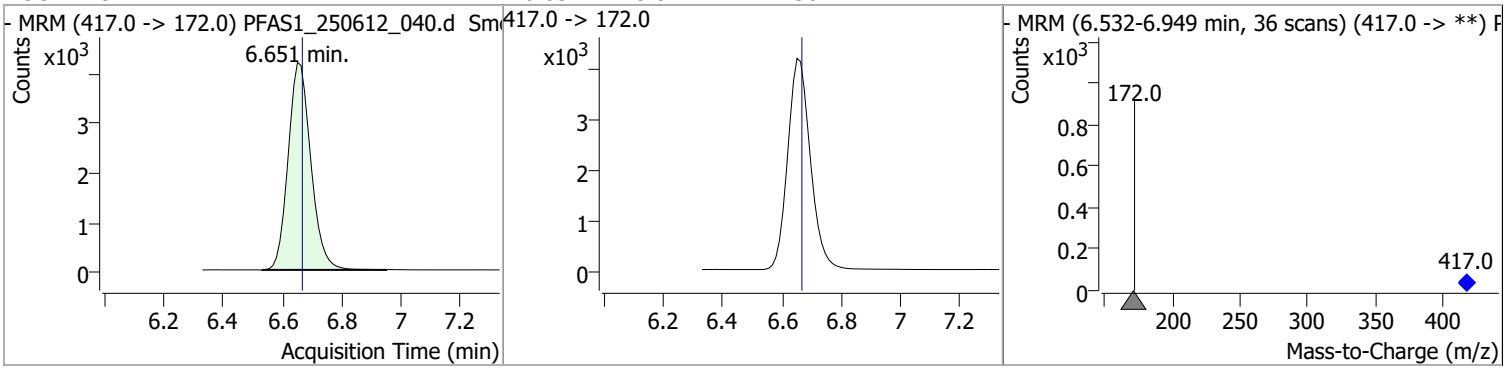
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	77	427.0 -> 81.0	68.4	17.7	32.8



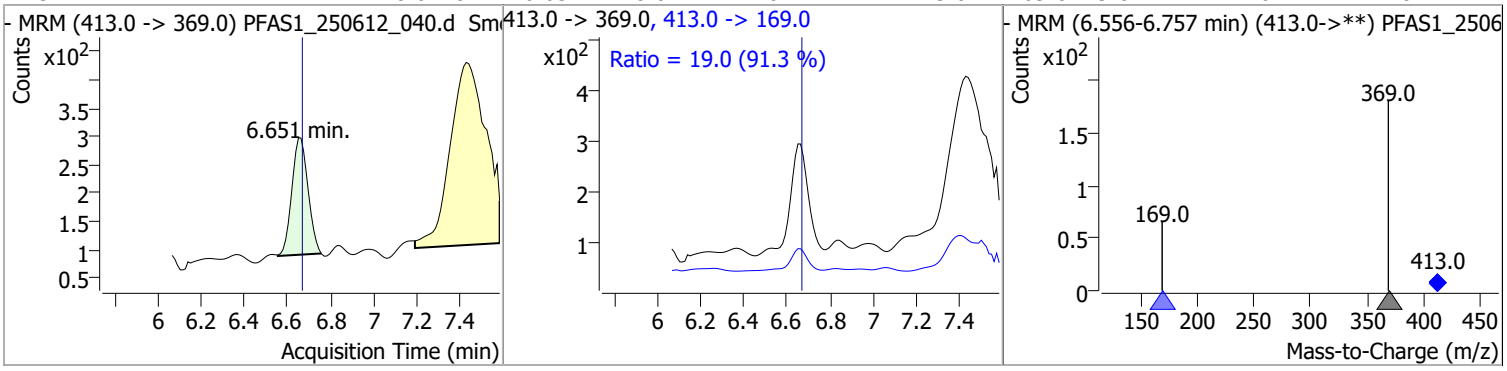
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.2927	6.65	-0.01	228309				



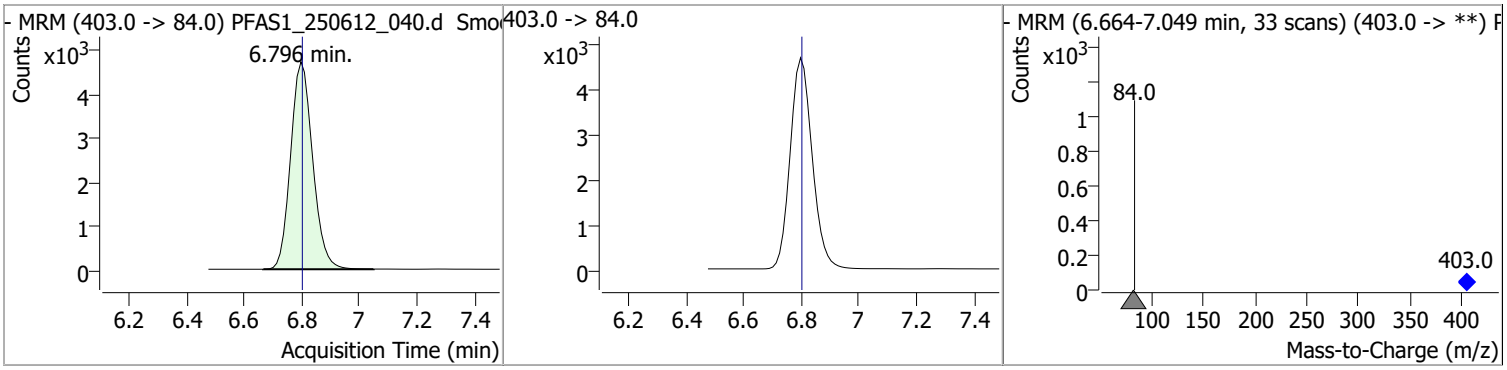
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22238				



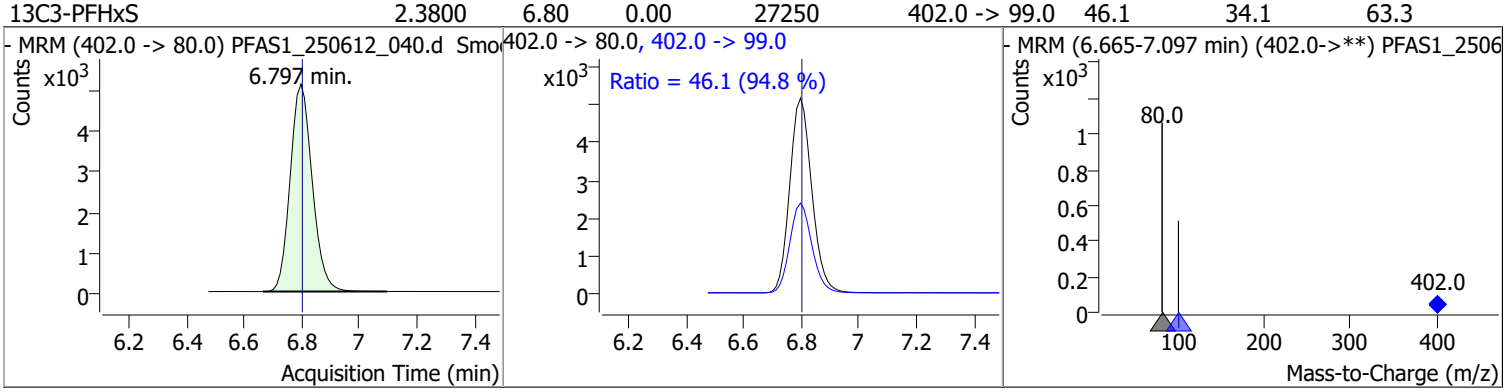
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0220	6.65	-0.01	1071	413.0 -> 169.0	19.0	14.6	27.0



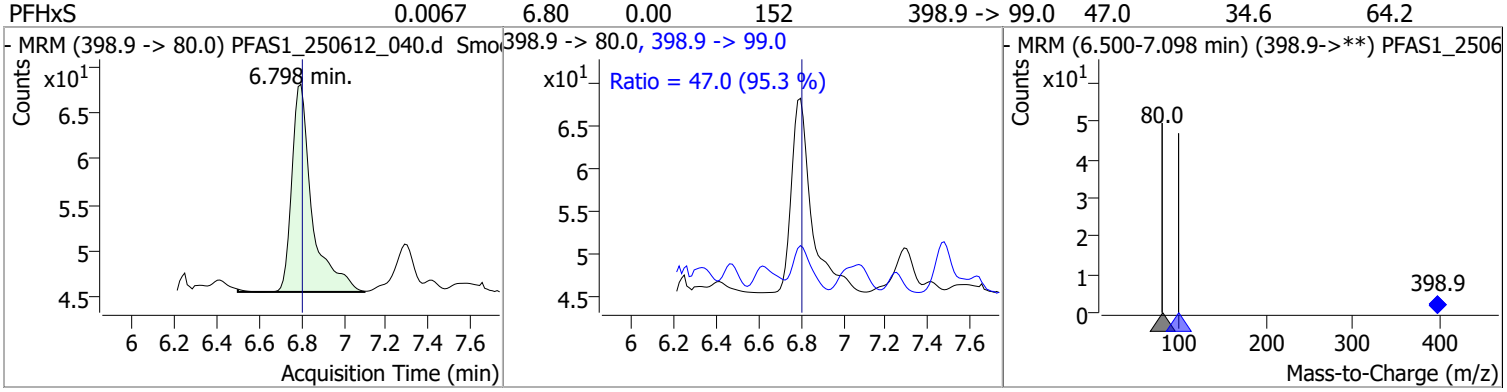
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24942				



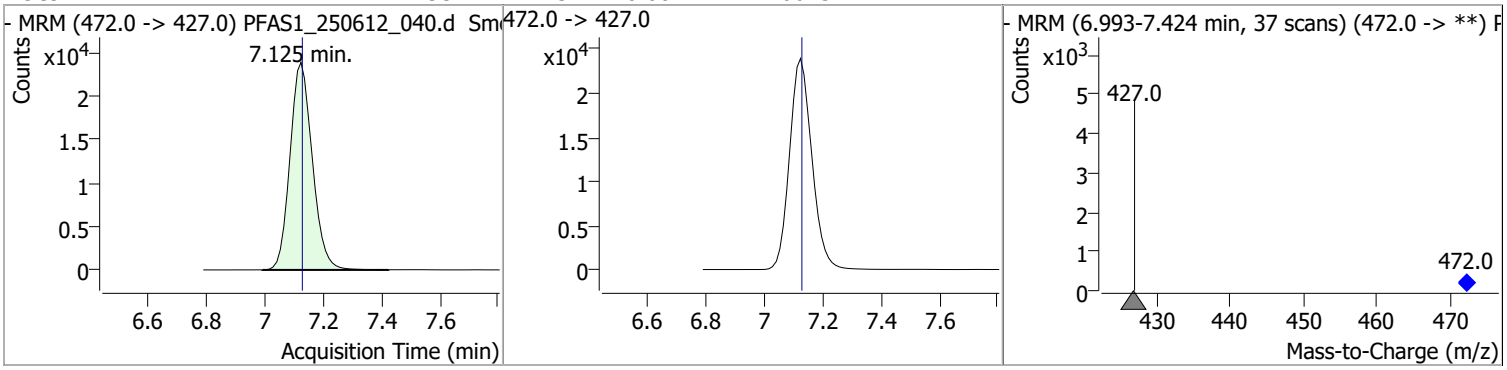
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3800	6.80	0.00	27250	402.0 -> 99.0	46.1	34.1	63.3



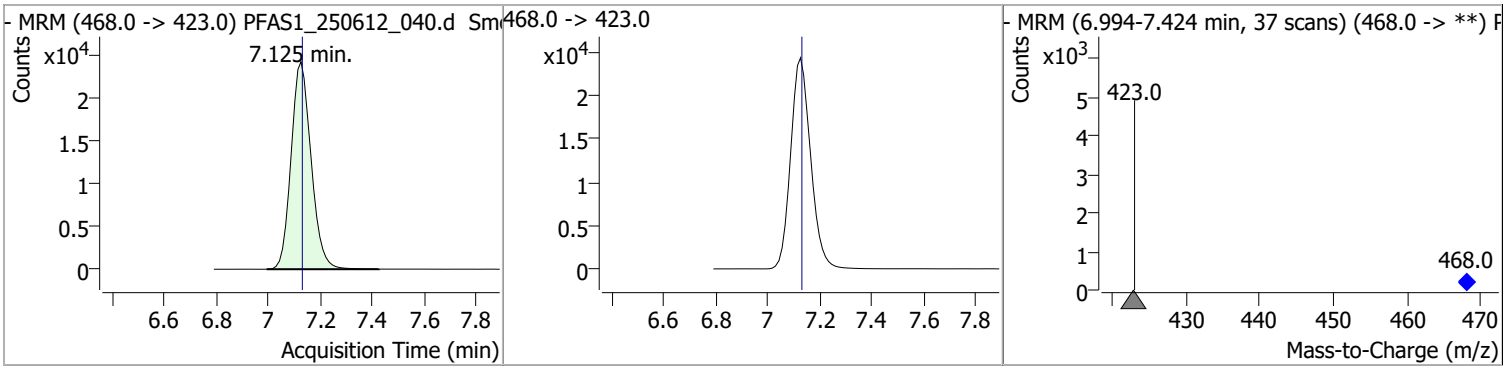
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	152	398.9 -> 99.0	47.0	34.6	64.2



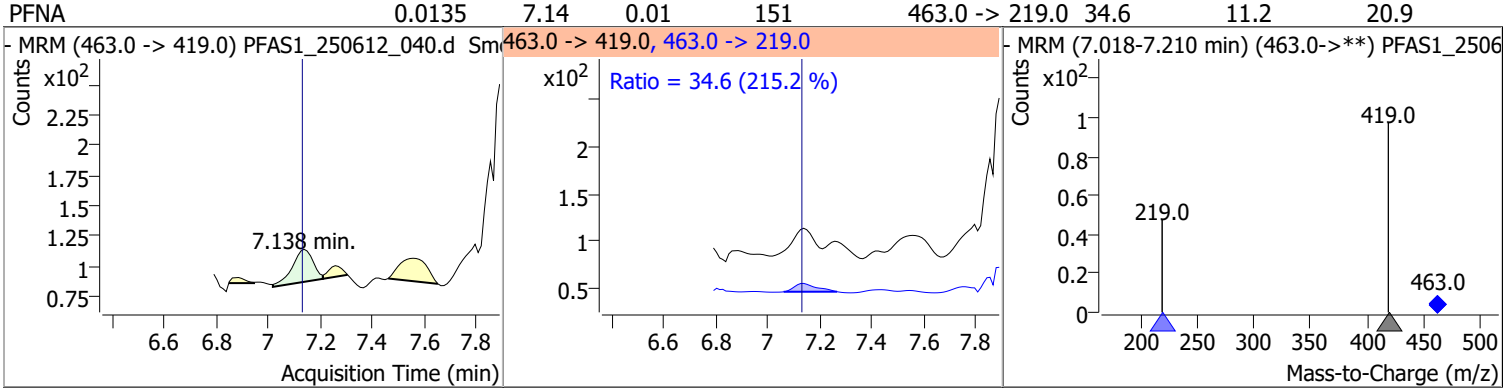
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.1951	7.13	0.00	126643				



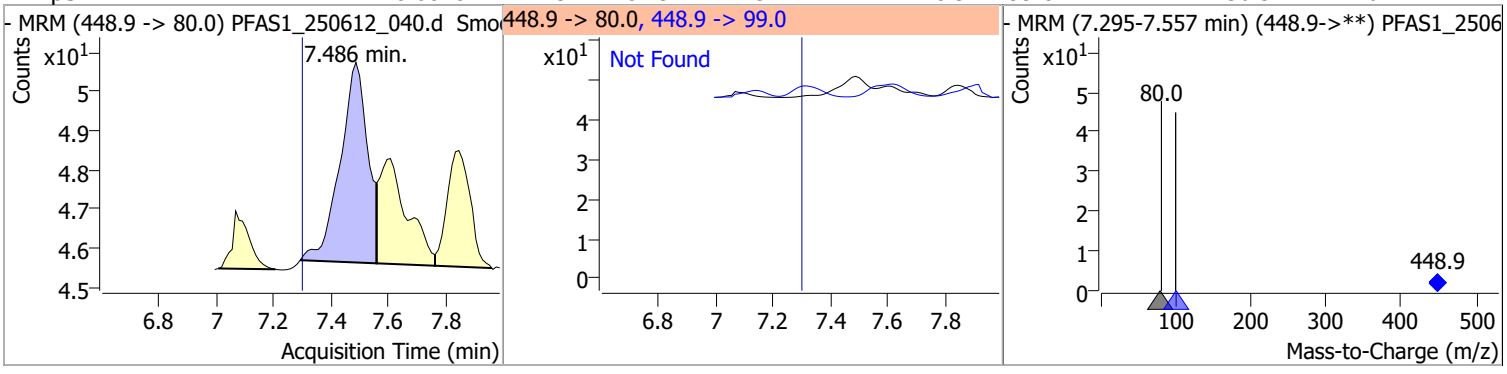
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	129232				



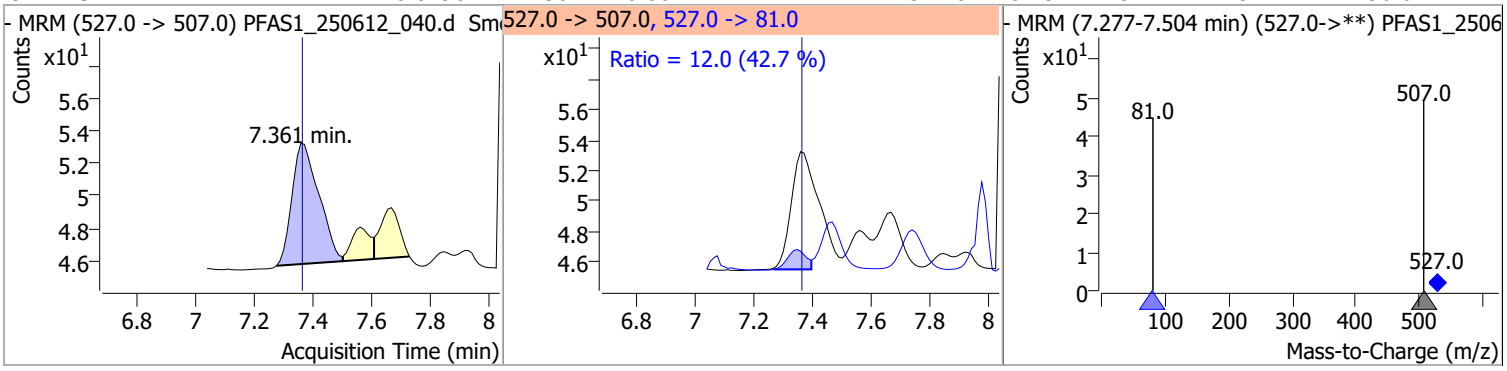
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0135	7.14	0.01	151	463.0 -> 219.0	34.6	11.2	20.9



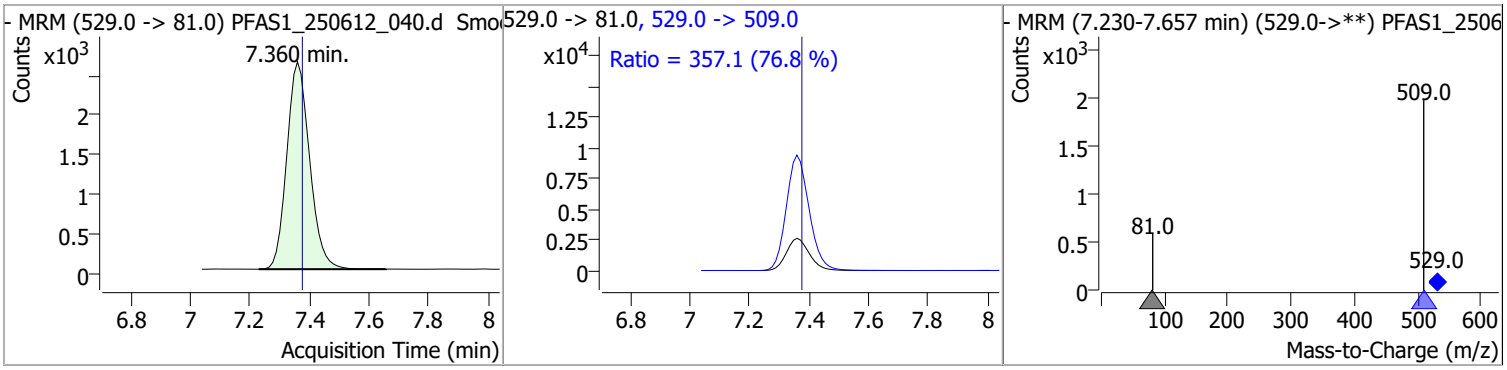
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0018	7.49	0.19	34	448.9 -> 99.0		36.5	67.7



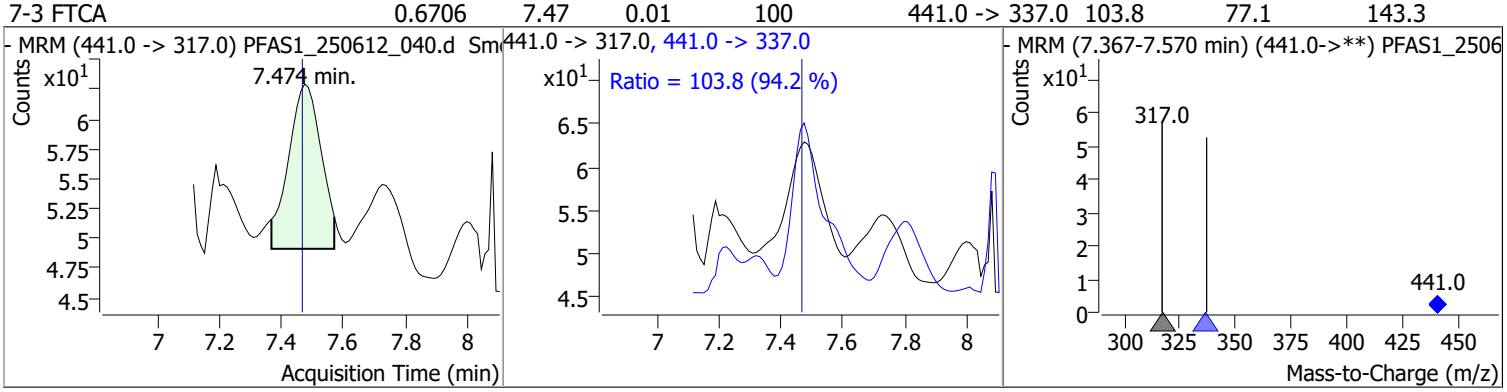
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0196	7.36	0.00	47	527.0 -> 81.0	12.0	19.7	36.6



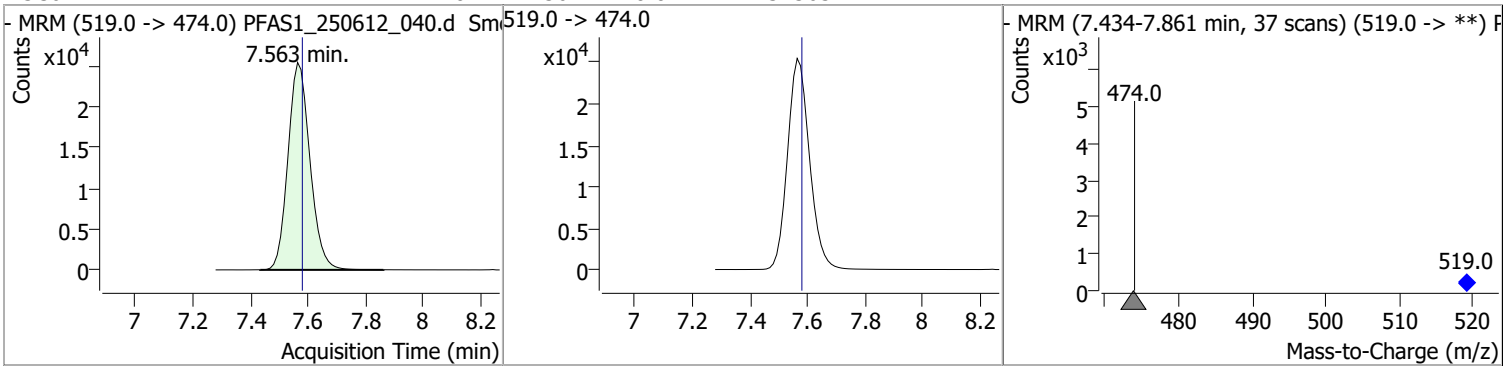
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3436	7.36	-0.01	13952	529.0 -> 509.0	357.1	325.6	604.6



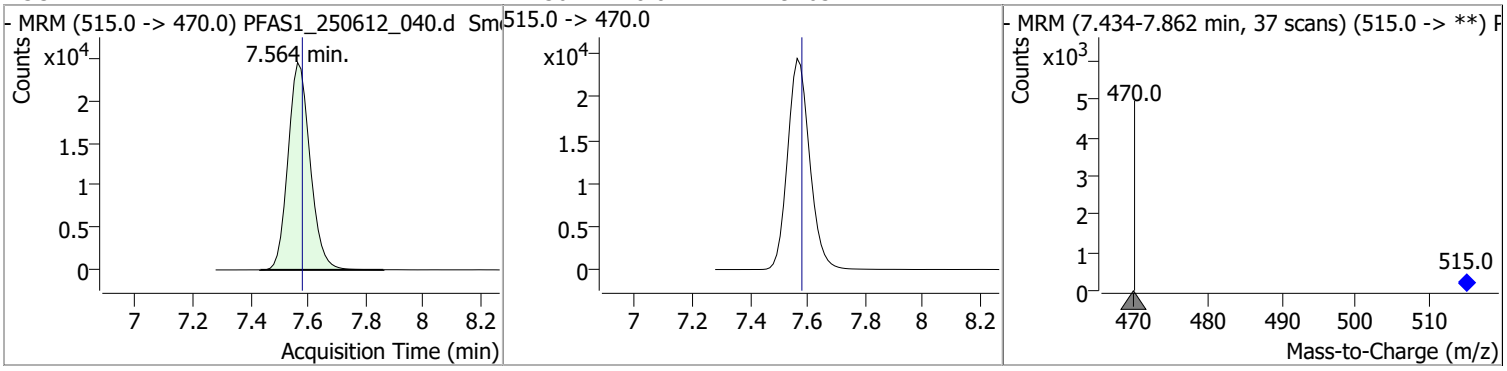
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.6706	7.47	0.01	100	441.0 -> 337.0	103.8	77.1	143.3



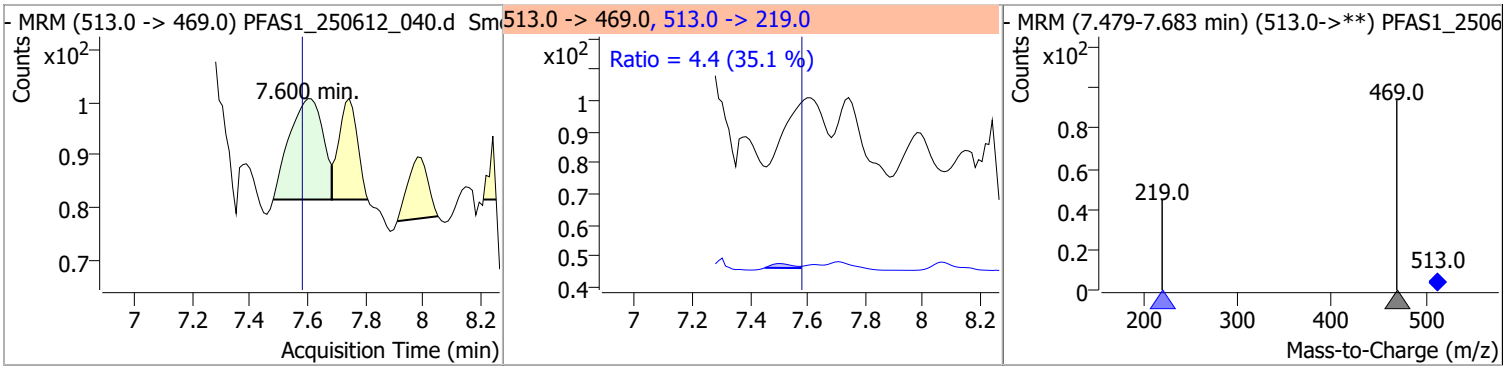
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2240	7.56	-0.01	134565				



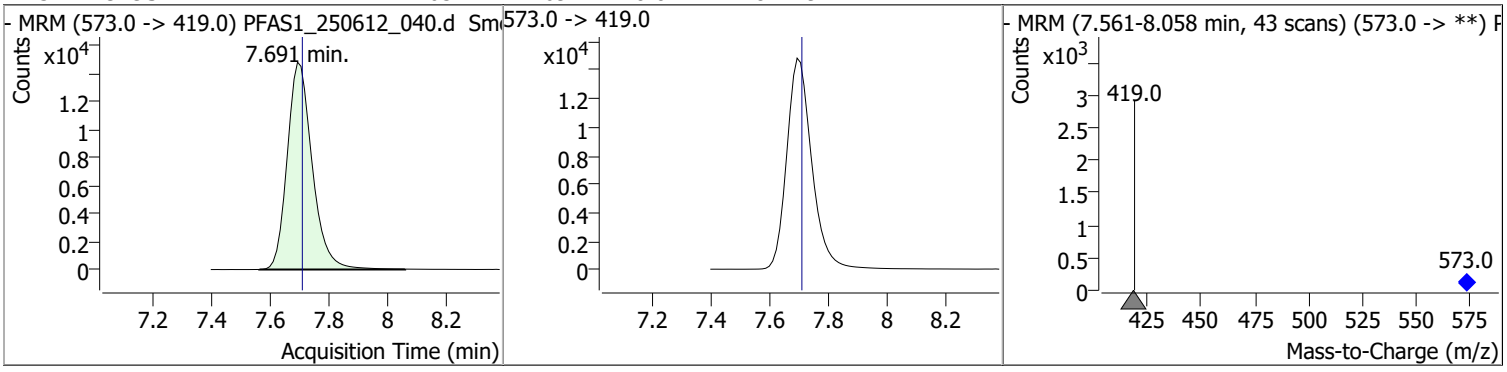
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	129465				



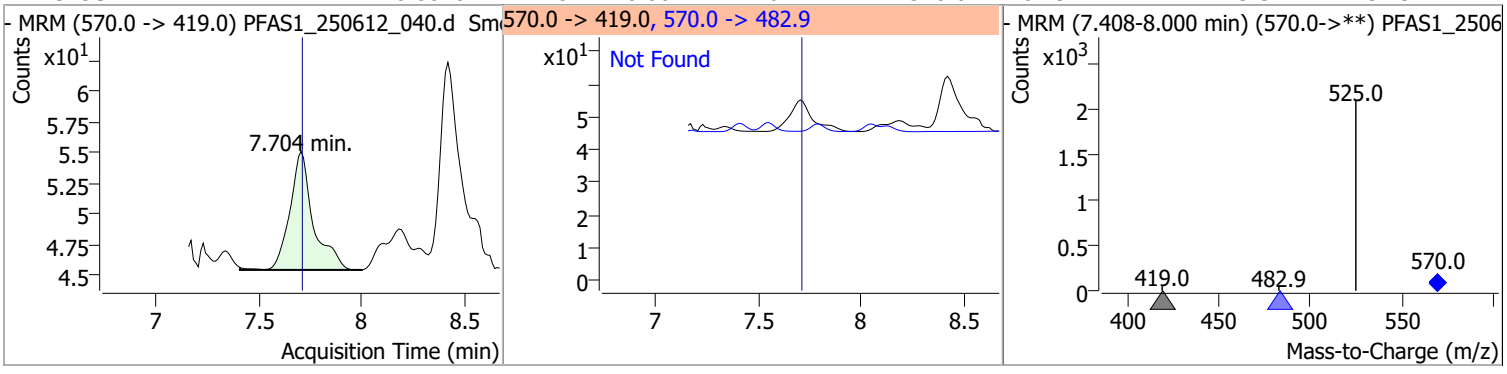
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0187	7.60	0.02	156	513.0 -> 219.0	4.4	8.7	16.2



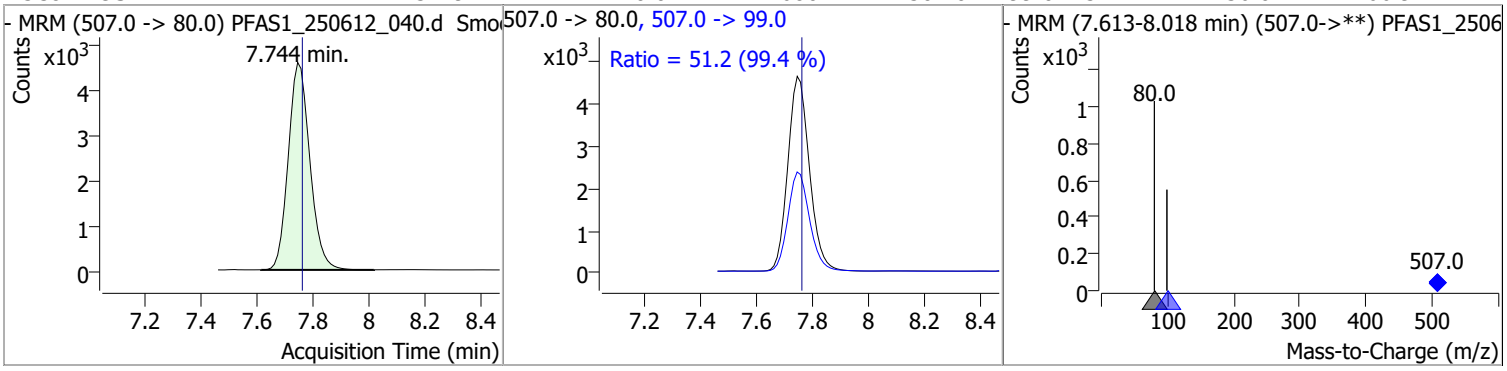
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4652	7.69	-0.01	87429				



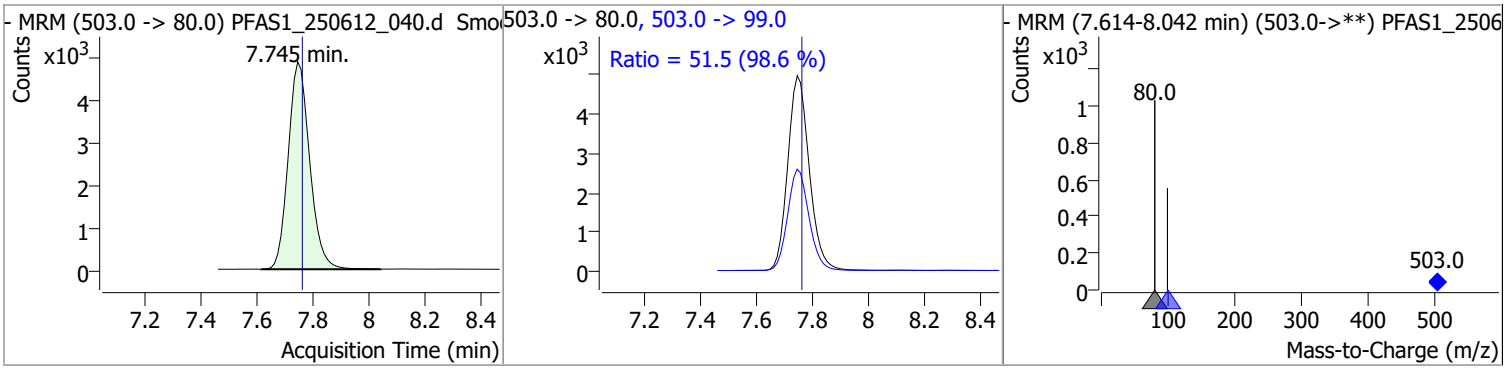
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0020	7.70	0.00	76	570.0 -> 482.9		29.5	54.9



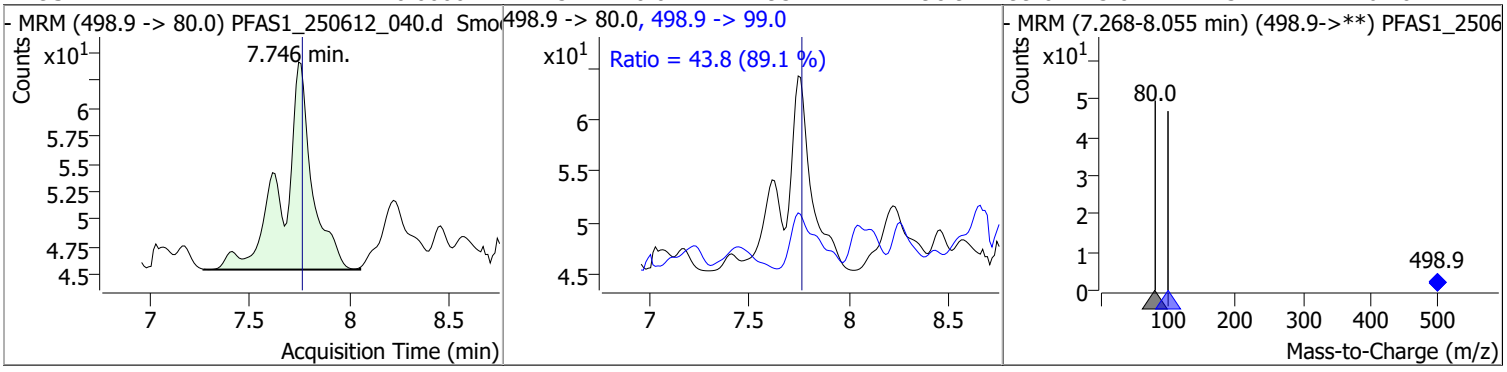
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3749	7.74	-0.01	24680	507.0 -> 99.0	51.2	36.0	66.9



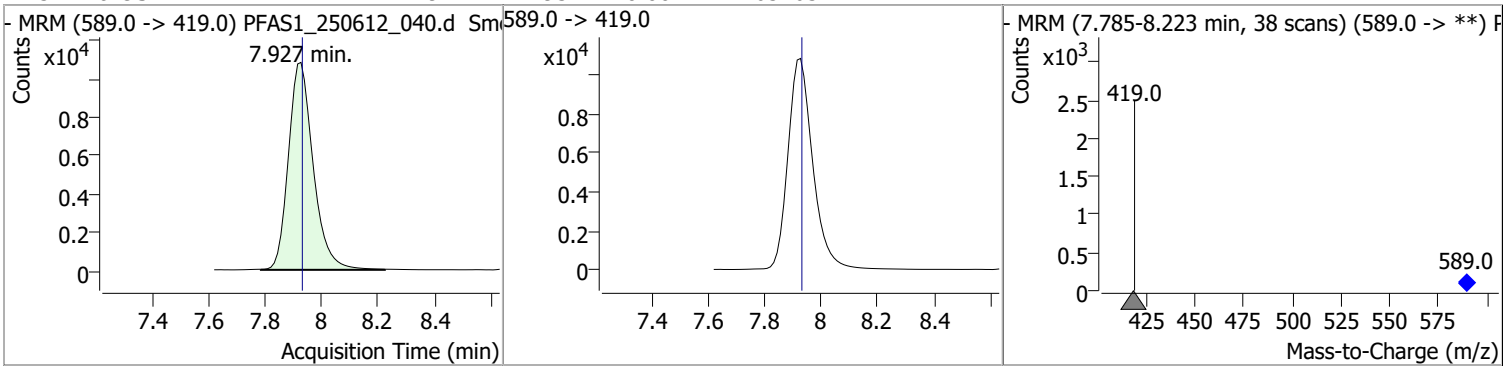
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26223	503.0 -> 99.0	51.5	36.6	67.9



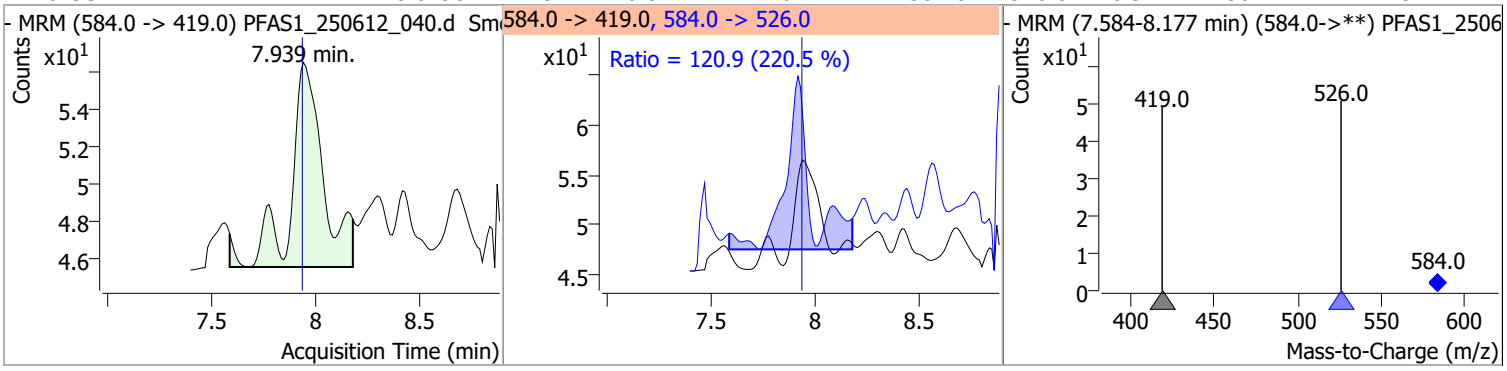
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	195	498.9 -> 99.0	43.8	34.4	64.0



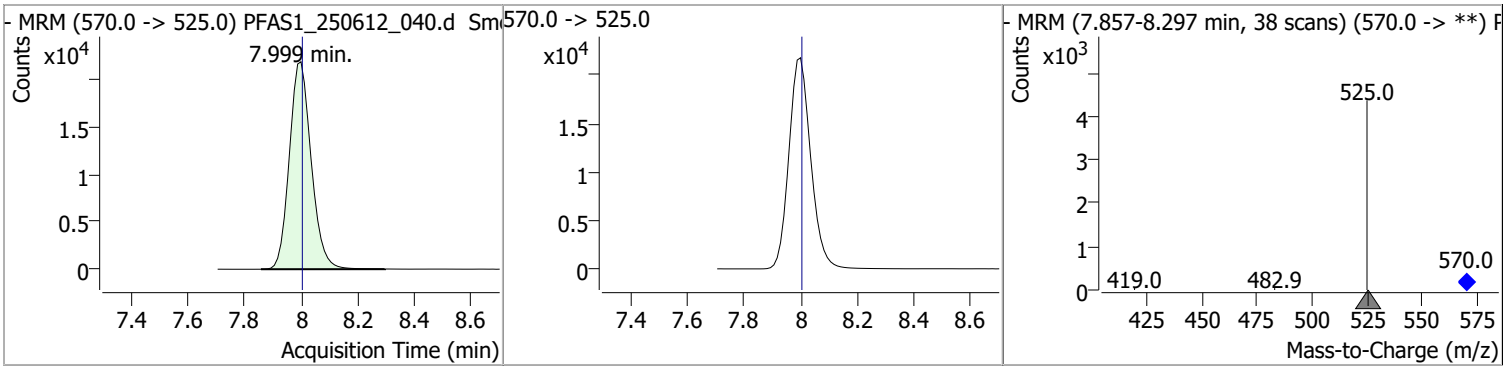
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.1914	7.93	0.00	65763				



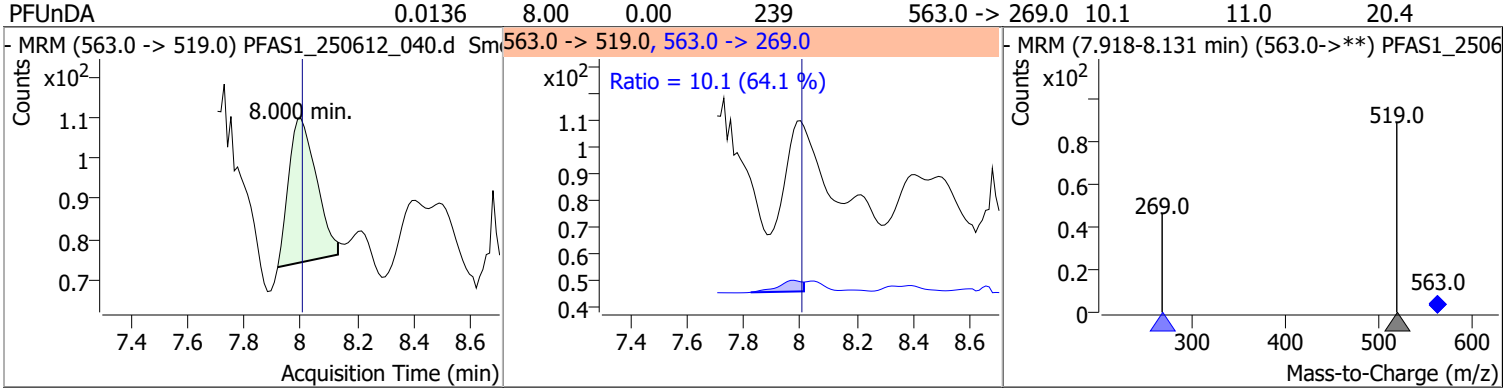
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0190	7.94	0.01	116	584.0 -> 526.0	120.9	38.4	71.3



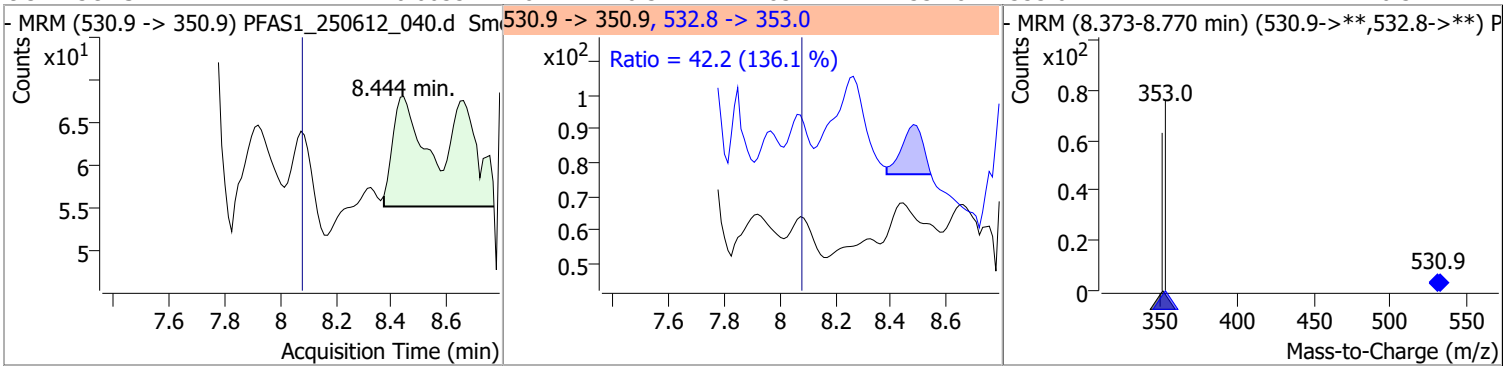
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2225	8.00	0.00	116702				



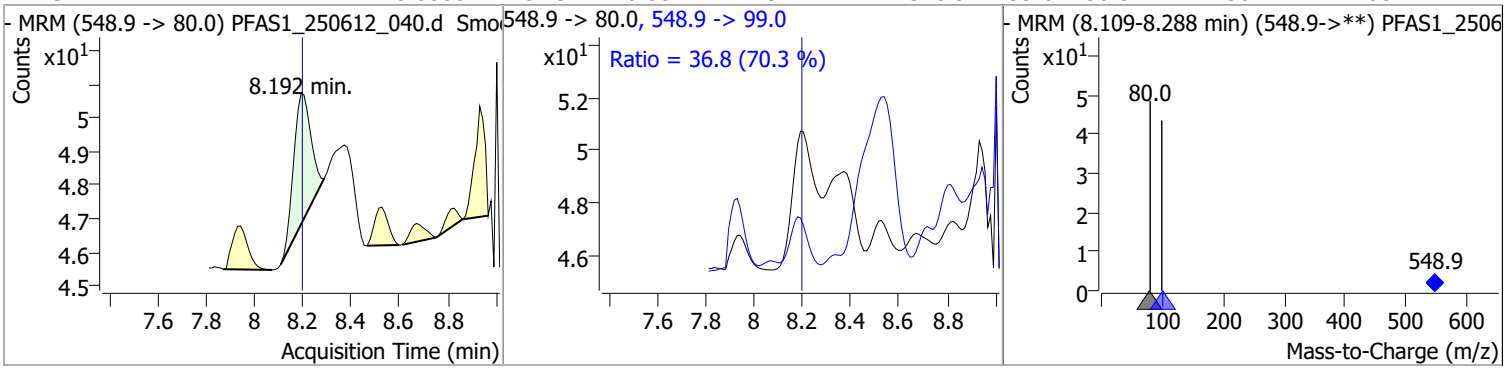
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0136	8.00	0.00	239	563.0 -> 269.0	10.1	11.0	20.4



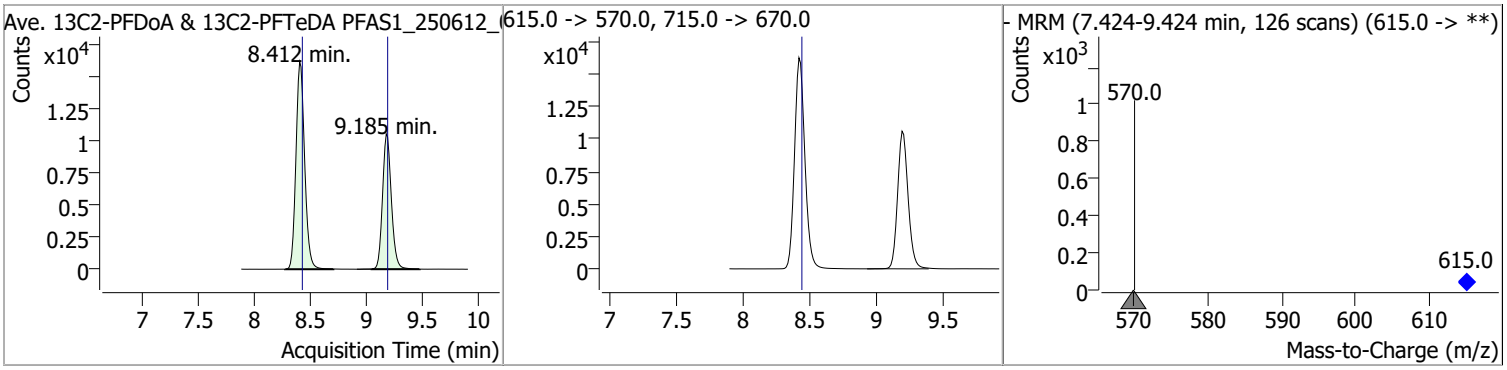
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0035	8.44	0.37	185	532.8 -> 353.0	42.2	21.7	40.3



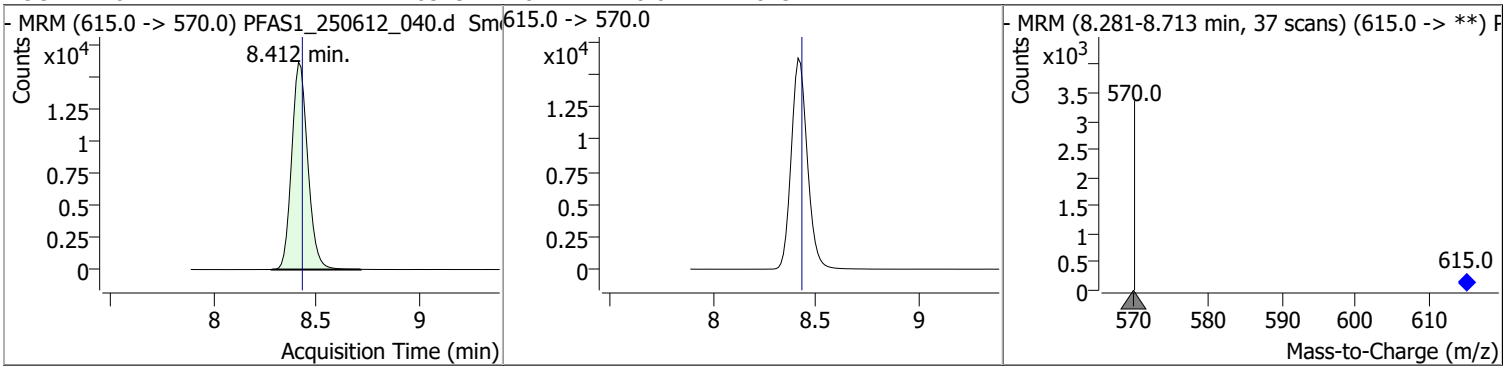
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.19	0.00	19	548.9 -> 99.0	36.8	36.7	68.1



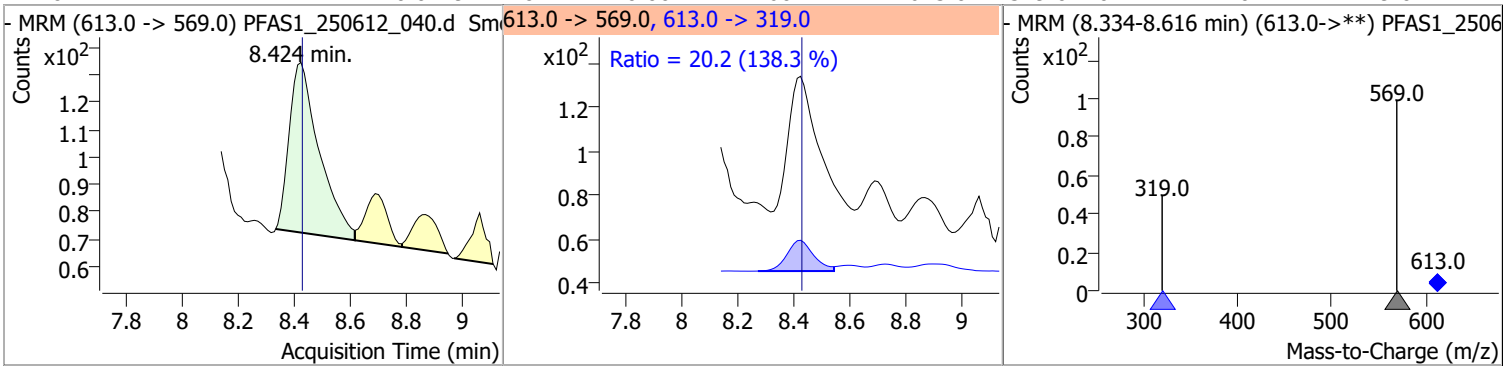
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.8845	8.80	0.37	72539				



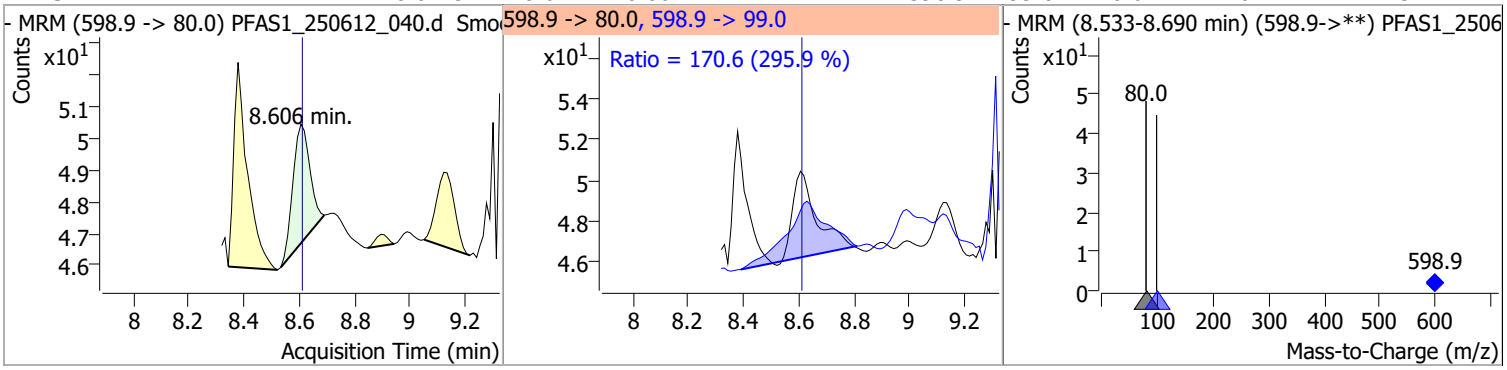
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0515	8.41	-0.01	87317				



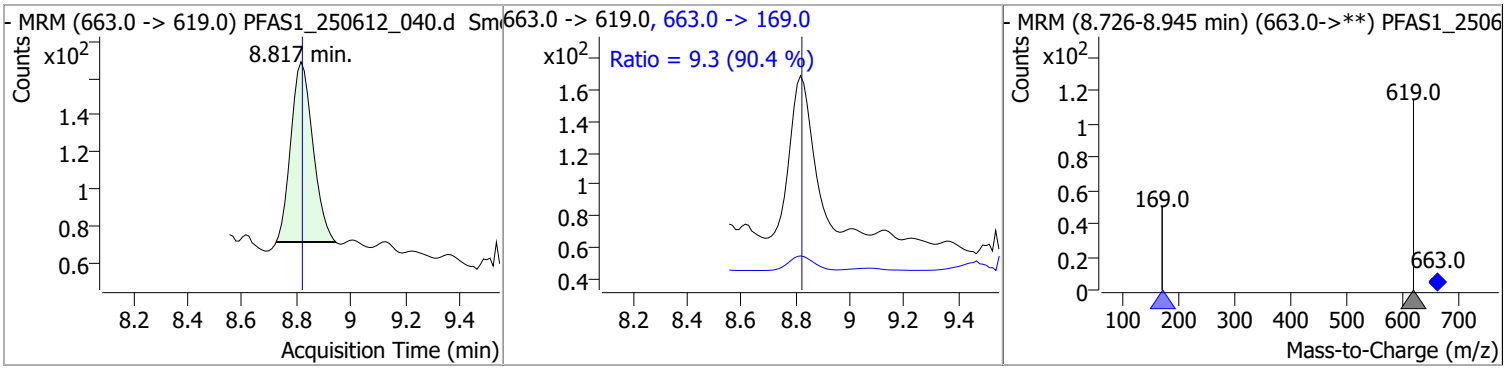
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0119	8.42	0.00	460	613.0 -> 319.0	20.2	10.2	19.0



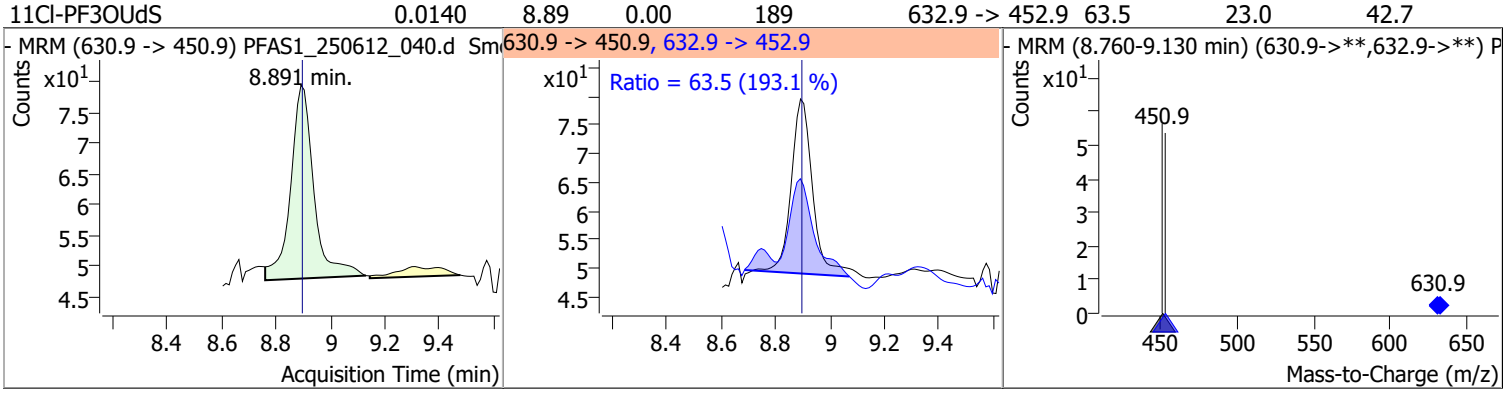
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0179	8.61	0.00	17	598.9 -> 99.0	170.6	40.4	74.9



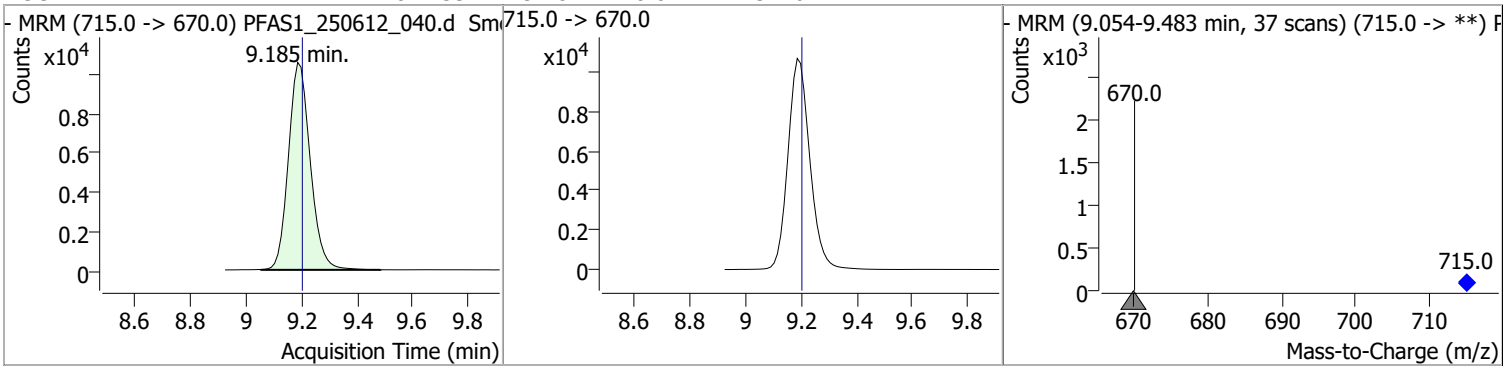
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0248	8.82	0.00	549	663.0 -> 169.0	9.3	7.2	13.4



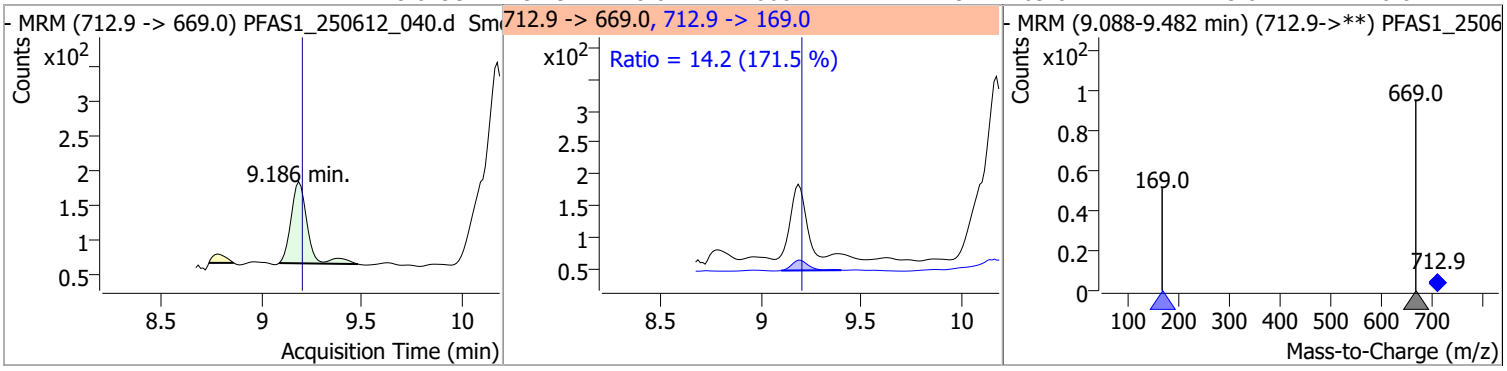
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0140	8.89	0.00	189	632.9 -> 452.9	63.5	23.0	42.7



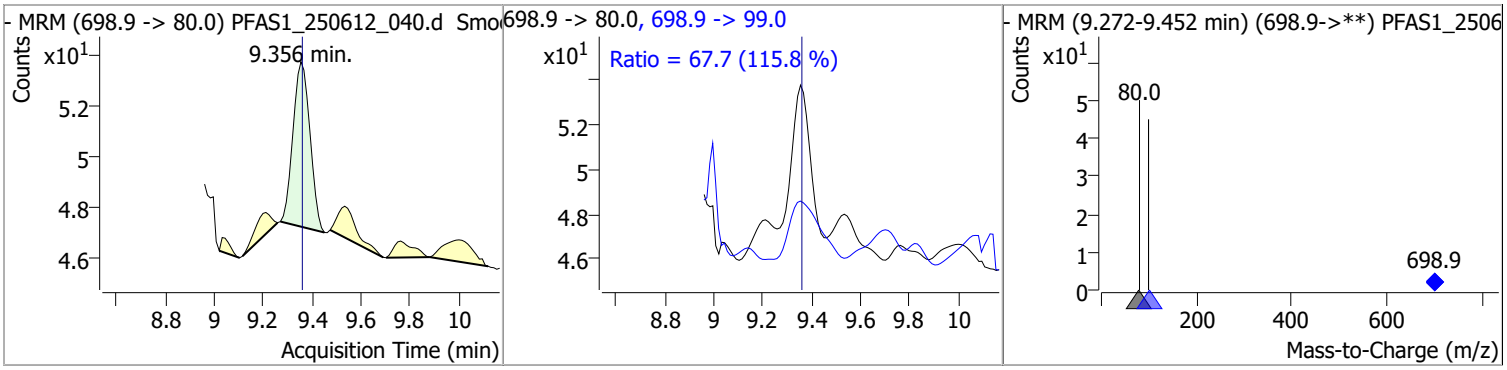
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.7133	9.18	-0.01	57762				



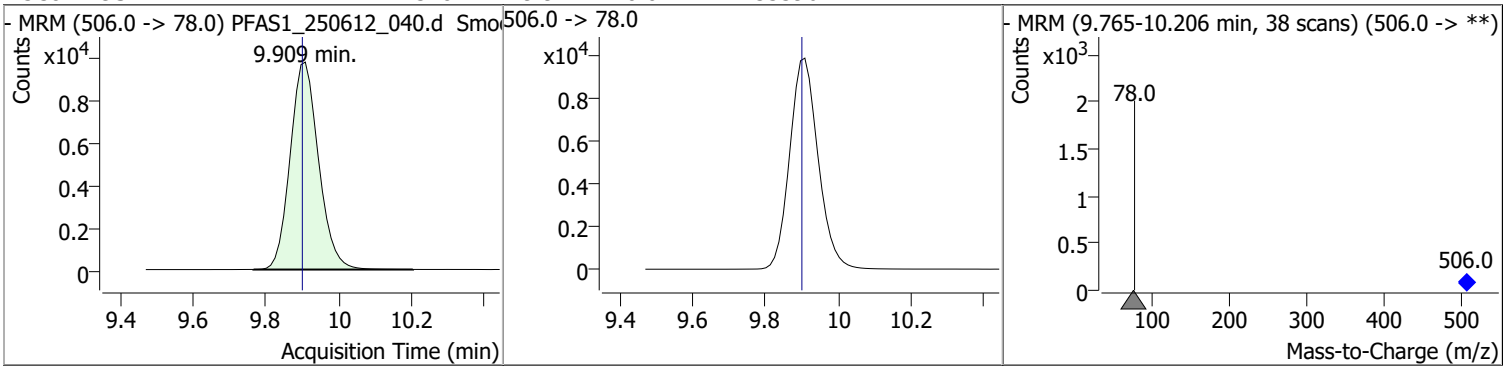
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0295	9.19	-0.01	668	712.9 -> 169.0	14.2	5.8	10.8



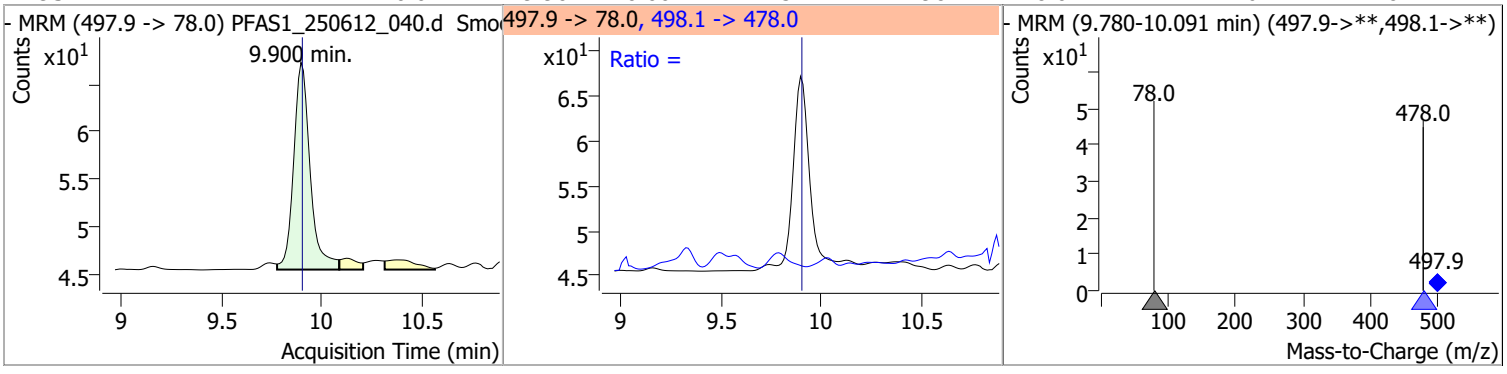
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0248	9.36	0.00	31	698.9 -> 99.0	67.7	41.0	76.1



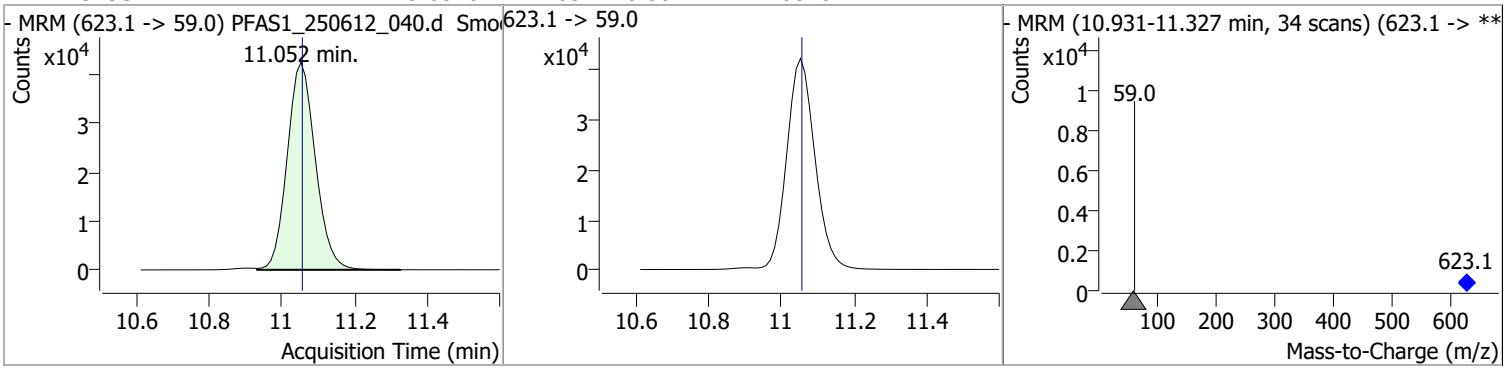
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3187	9.91	0.01	53396				



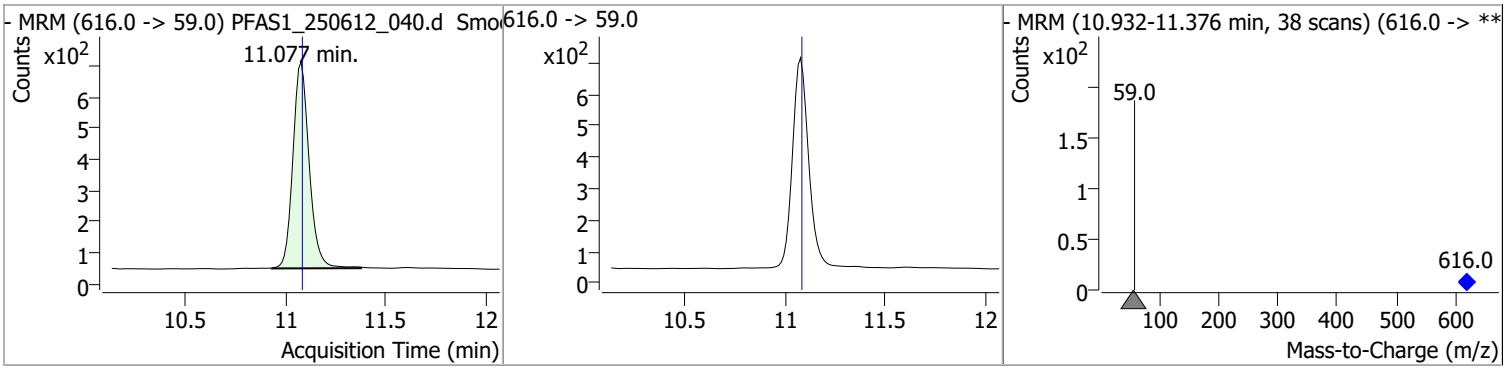
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0111	9.90	0.00	125	498.1 -> 478.0		2.6	4.8



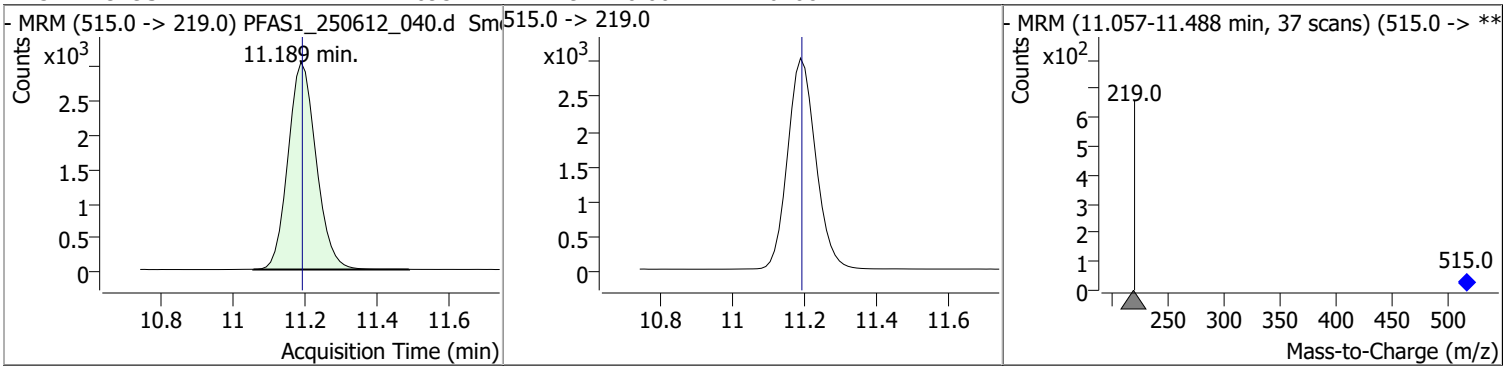
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8318	11.05	0.00	228818				



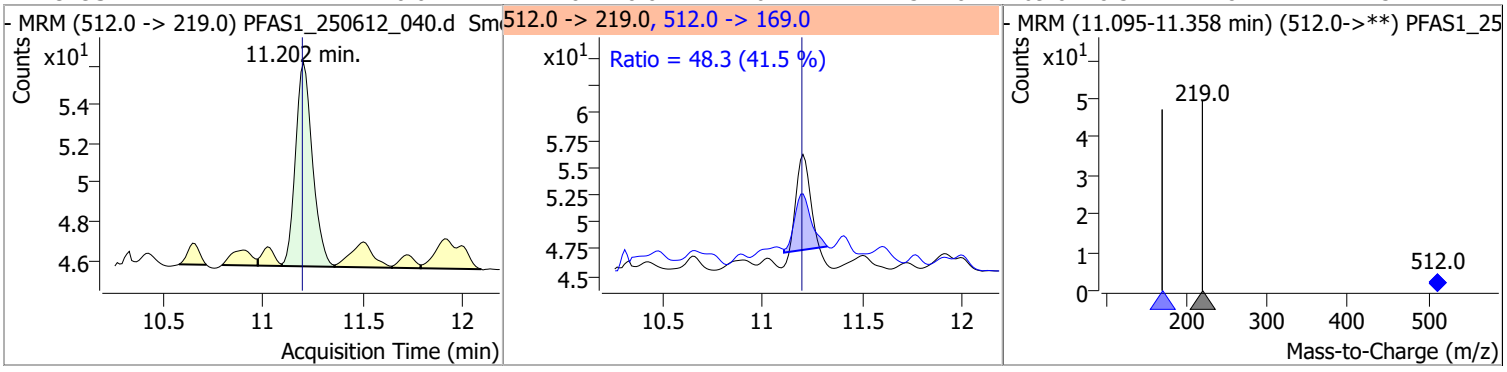
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.3539	11.08	0.00	3757				



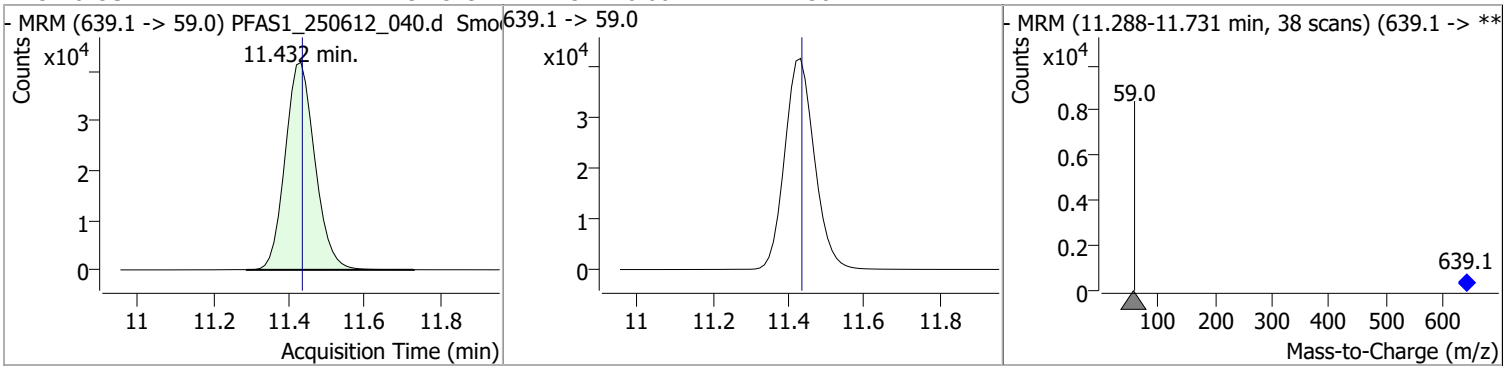
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0957	11.19	0.00	16208				



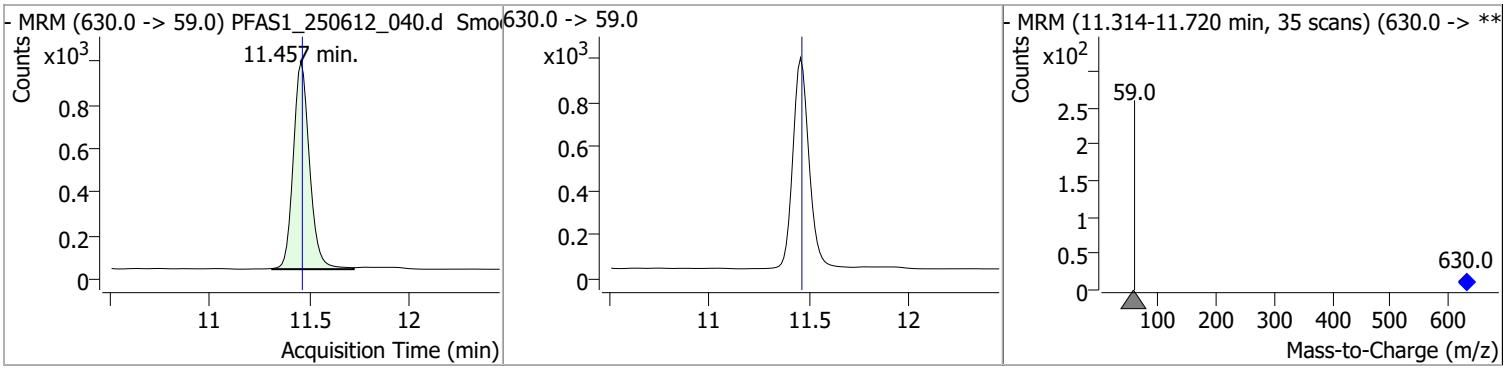
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0114	11.20	0.01	62	512.0 -> 169.0	48.3	81.4	151.2



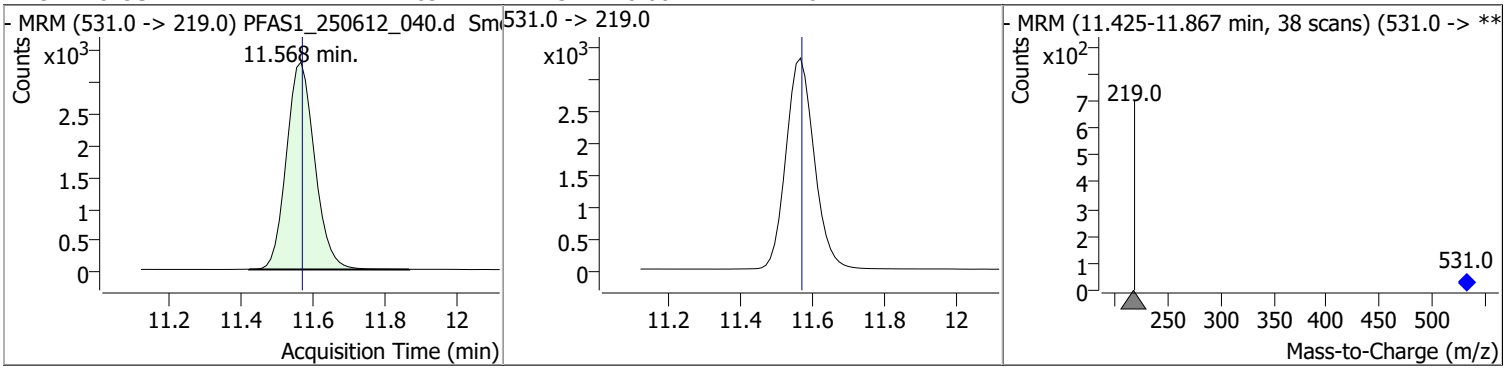
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.7329	11.43	0.00	227758				



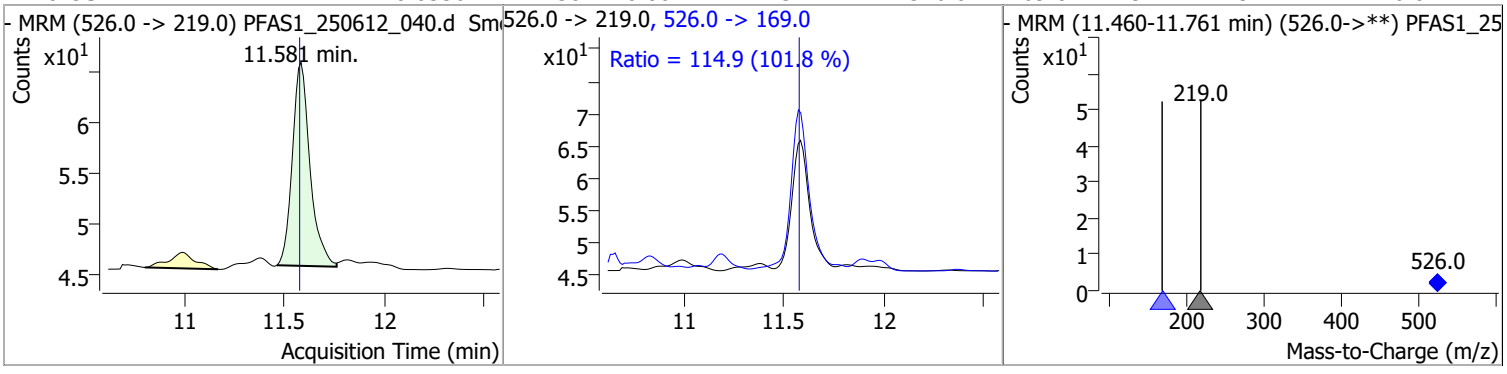
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.4235	11.46	0.00	5383				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0921	11.57	0.00	17778				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0356	11.58	0.00	123	526.0 -> 169.0	114.9	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

FD02-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-02	File ID:	PFAS1_250612_041.d
Sampled:	06/05/25 11:00	Prepared:	06/11/25 11:09	Analyzed:	06/12/25 23:57
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	509.7767 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075
Instrument:	PFAS1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.47	3.14	6.28	U
2706-90-3	PFPeA		0.14	1.57	3.14	U
307-24-4	PFHxA		0.13	0.78	1.57	U
375-85-9	PFHpA		0.16	0.78	1.57	U
335-67-1	PFOA	0.24	0.12	0.78	1.57	J
375-95-1	PFNA		0.09	0.78	1.57	U
335-76-2	PFDA		0.13	0.78	1.57	U
2058-94-8	PFUnA		0.19	0.78	1.57	U
307-55-1	PFDoA		0.11	0.78	1.57	U
72629-94-8	PFTrDA		0.07	0.78	1.57	U
376-06-7	PFTeDA		0.12	0.78	1.57	U
375-73-5	PFBS		0.19	0.70	1.39	U
2706-91-4	PFPeS		0.21	0.74	1.48	U
355-46-4	PFHxS		0.23	0.72	1.43	U
375-92-8	PFHpS		0.40	0.75	1.49	U
1763-23-1	PFOS		0.22	0.91	1.82	U
68259-12-1	PFNS		0.20	0.76	1.51	U
335-77-3	PFDS		0.14	0.76	1.51	U
79780-39-5	PFDoS		0.08	0.76	1.52	U
757124-72-4	4:2FTS		0.40	2.94	5.88	U
27619-97-2	6:2FTS		2.72	2.98	5.96	U
39108-34-4	8:2FTS		0.60	3.01	6.02	U
754-91-6	PFOSA		0.10	0.78	1.57	U
31506-32-8	NMeFOSA		0.26	0.78	1.57	U
4151-50-2	NEtFOSA		0.30	0.78	1.57	U
2355-31-9	NMeFOSAA		0.43	0.78	1.57	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

FD02-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-02	File ID:	PFAS1_250612_041.d
Sampled:	06/05/25 11:00	Prepared:	06/11/25 11:09	Analyzed:	06/12/25 23:57
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	509.7767 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.78	1.57	U
24448-09-7	NMeFOSE		0.99	7.85	15.7	U
1691-99-2	NEtFOSE		1.24	7.85	15.7	U
13252-13-6	HFPO-DA		0.40	1.57	3.14	U
919005-14-4	ADONA		0.15	1.48	2.96	U
756426-58-1	9CL-PF3ONS		0.18	1.47	2.93	U
763051-92-9	11CL-PF3OUdS		0.30	1.48	2.96	U
356-02-5	3:3FTCA		0.65	3.14	6.28	U
914637-49-3	5:3FTCA		3.59	15.7	31.4	U
812-70-4	7:3FTCA		3.00	15.7	31.4	U
113507-82-7	PFEESA		0.17	1.40	2.80	U
377-73-1	PFMPA		0.11	1.57	3.14	U
863090-89-5	PFMBA		0.12	1.57	3.14	U
151772-58-6	NFDHA		0.44	1.57	3.14	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_041.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:57:20 PM
Sample Name	O25F0365-02	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

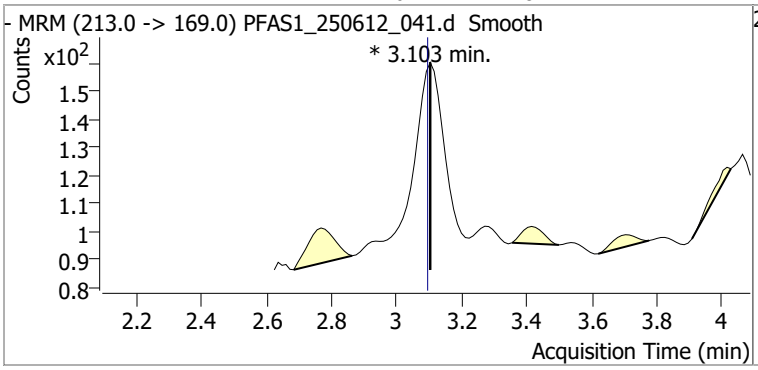
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	168087	5.0000	µg/L	6.265
13C2-PFHxA	5.479	315.0 -> 270.0	187207	2.5000	µg/L	4.775
18O2-PFHxS	6.796	403.0 -> 84.0	24328	2.5000	µg/L	3.520
13C4-PFOA	6.651	417.0 -> 172.0	21030	2.5000	µg/L	4.134
13C5-PFNA	7.125	468.0 -> 423.0	128582	1.2500	µg/L	7.440
13C2-PFDA	7.564	515.0 -> 470.0	129946	1.2500	µg/L	3.848
13C4-PFOS	7.745	503.0 -> 80.0	25970	2.5000	µg/L	4.022
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	249723	10.0000	µg/L	-31.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 64.35%		
13C4-PFBA	3.107	217.0 -> 172.0	249723	10.0000	µg/L	-31.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 64.35%		
13C5-PFPeA	4.594	268.0 -> 223.0	276894	5.0000	µg/L	2.643
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%		
13C5-PFPeA	4.594	268.0 -> 223.0	276894	5.0000	µg/L	2.643
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	21753	5.0000	µg/L	34.986
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.08%		
13C5-PFHxA	5.478	318.0 -> 273.0	190605	2.5000	µg/L	3.590
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.85%		
13C5-PFHxA	5.478	318.0 -> 273.0	190605	2.5000	µg/L	3.590
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.85%		
13C3-PFBS	5.494	302.0 -> 80.0	44291	2.5000	µg/L	3.903
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	223098	10.0000	µg/L	0.553
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.94%		
13C4-PFHpA	6.130	367.0 -> 322.0	222204	2.5000	µg/L	4.224
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.43%		
13C3-PFHxS	6.797	402.0 -> 80.0	26520	2.5000	µg/L	-1.711
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.99%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14052	5.0000	µg/L	24.609
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.84%		
13C8-PFOA	6.650	421.0 -> 376.0	230819	2.5000	µg/L	2.179
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.04%		
13C3-PFHxS	6.797	402.0 -> 80.0	26520	2.5000	µg/L	-1.711
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.99%		
13C9-PFNA	7.125	472.0 -> 427.0	128417	1.2500	µg/L	4.658
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.44%		
13C8-PFOS	7.744	507.0 -> 80.0	25587	2.5000	µg/L	3.408
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.45%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13667	5.0000	µg/L	11.045
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.34%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13667	5.0000	µg/L	11.045
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.34%		
13C6-PFDA	7.563	519.0 -> 474.0	134802	1.2500	µg/L	1.428

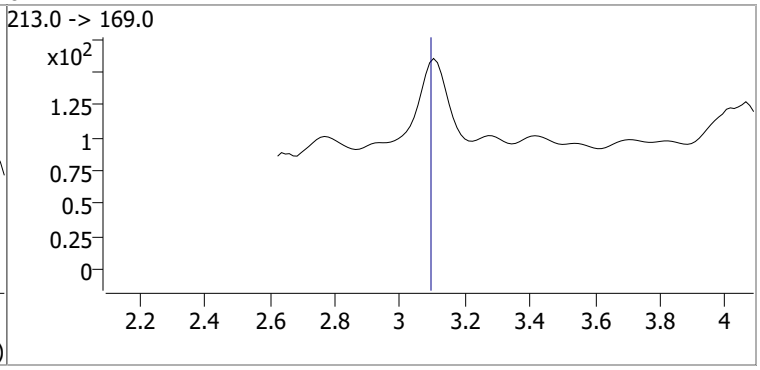
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.73%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	89805	5.0000	µg/L		-3.374
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.63%			
13C8-PFOS	7.744	507.0 -> 80.0	25587	2.5000	µg/L		3.408
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.45%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	69292	5.0000	µg/L		-7.041
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.19%			
13C7-PFUnDA	7.999	570.0 -> 525.0	114701	1.2500	µg/L		-0.574
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.77%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	83429	1.2500	µg/L		-15.732
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.08%			
13C2-PFDoDA	8.412	615.0 -> 570.0	92841	1.2500	µg/L		-7.391
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 89.11%			
13C2-PFTDA	9.185	715.0 -> 670.0	74016	1.2500	µg/L		-24.286
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.85%			
13C8-PFOSA	9.909	506.0 -> 78.0	52561	2.5000	µg/L		-3.900
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
2H7-MeFOSE	11.052	623.1 -> 59.0	233744	25.0000	µg/L		-14.912
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 81.82%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	15343	2.5000	µg/L		-16.401
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.13%			
2H9-EtFOSE	11.432	639.1 -> 59.0	228680	25.0000	µg/L		-16.775
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.02%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15339	2.5000	µg/L		-24.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 72.91%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.782	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.467	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.424	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.507	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.919	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.120	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.229	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.320	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.651	413.0 -> 369.0	1350	0.0249	µg/L		89
PFHxS	6.798	398.9 -> 80.0	163	0.0081	µg/L	#	75
PFNA	7.126	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.390	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.373	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	0.000		0	N.D.			
PFDA	7.576	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.432	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	291	0.0000	µg/L		91
N-EtFOSAA	7.939	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	8.000	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.122	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.133	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.606	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.829	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.975	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	0.000		0	N.D.			
PFDoS	9.392	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.912	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.089	616.0 -> 59.0	216	0.0000	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.469	630.0 -> 59.0	242	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	0	0.0000	µg/L	md	

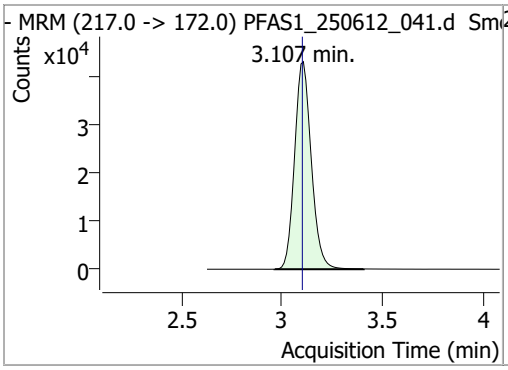
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

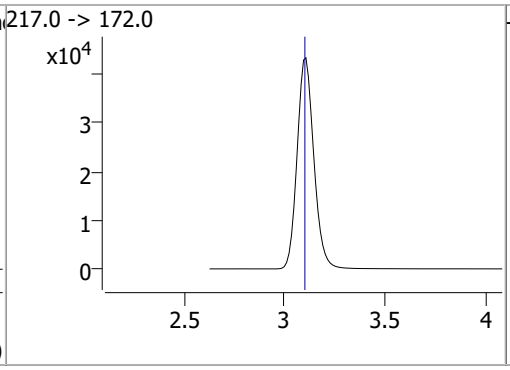
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

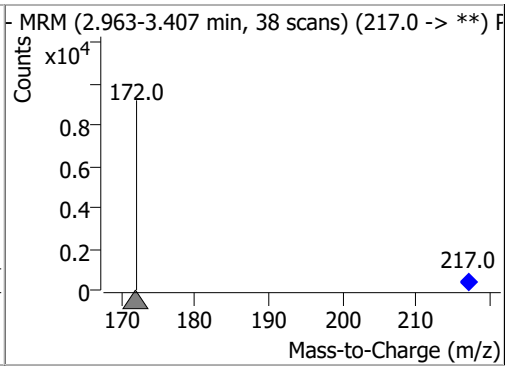




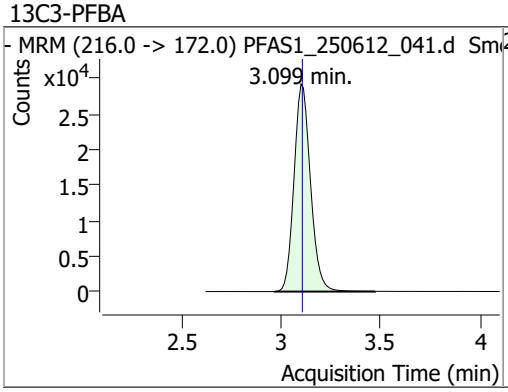
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.4348	3.11	0.01	249723				

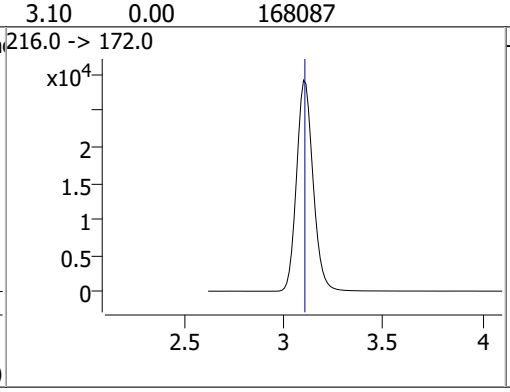


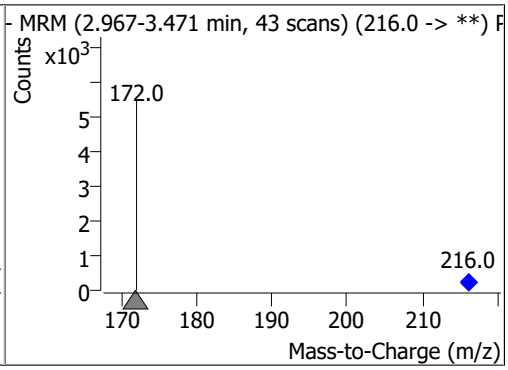




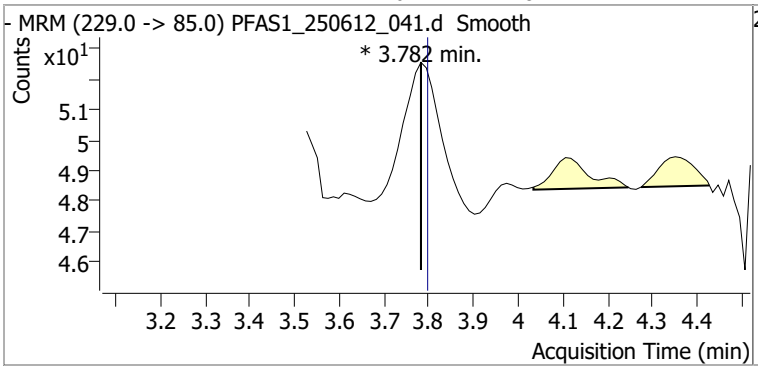
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	168087				

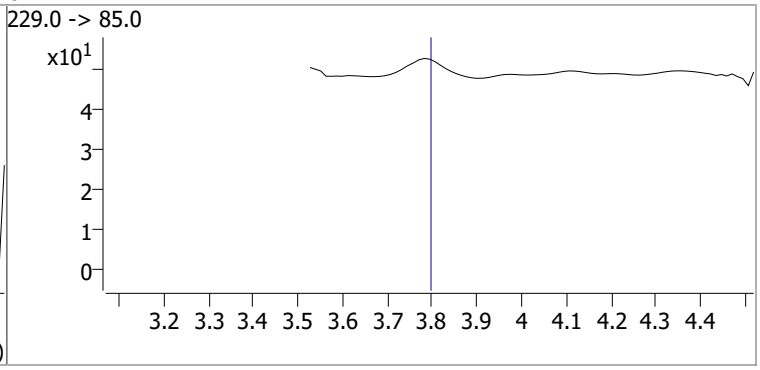




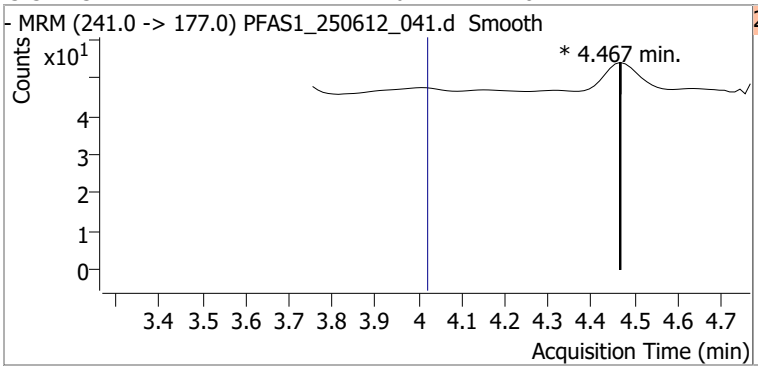


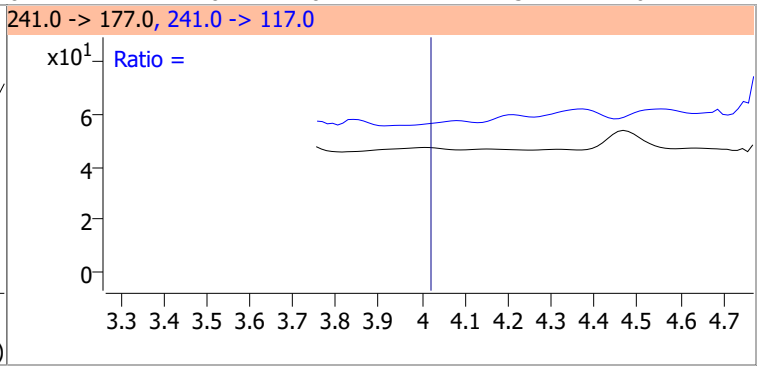
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



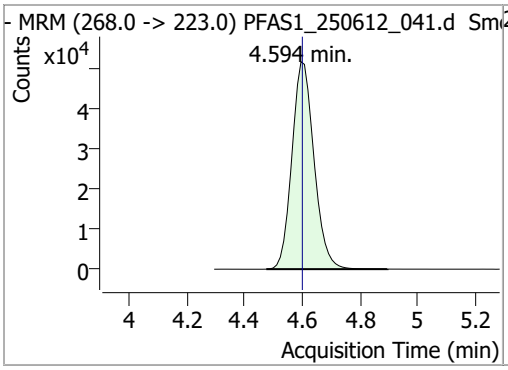


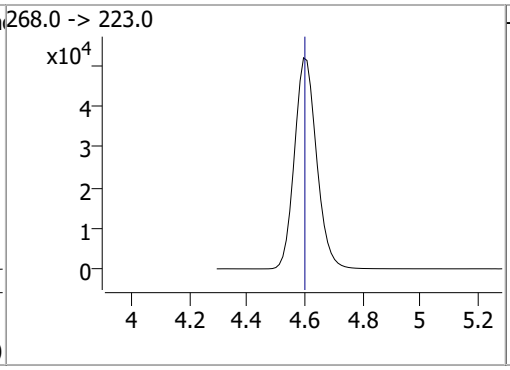
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

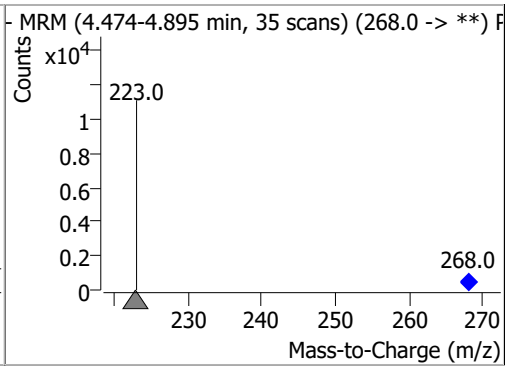




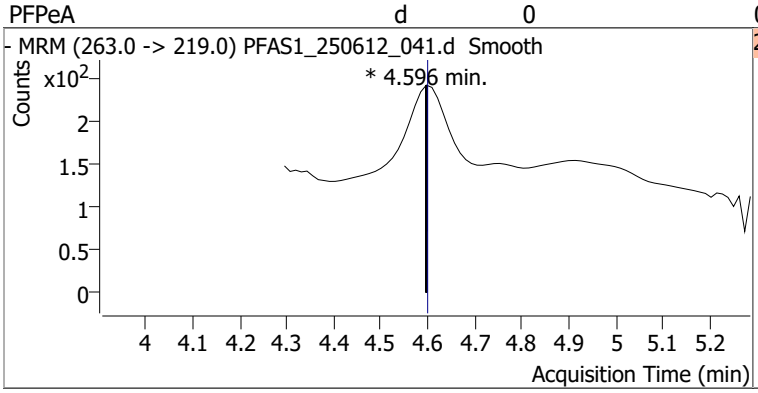
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8999	4.59	0.00	276894				

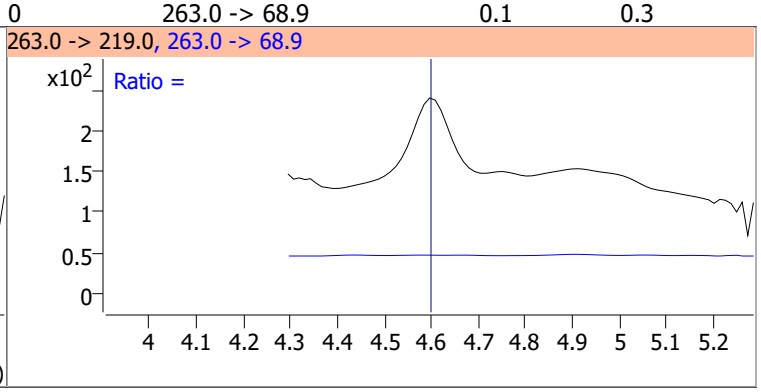




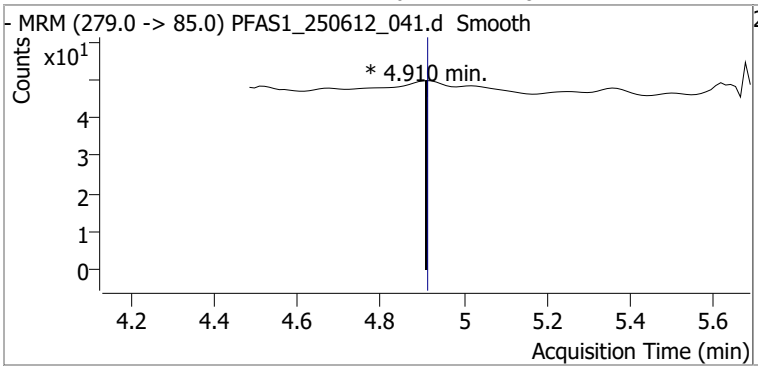


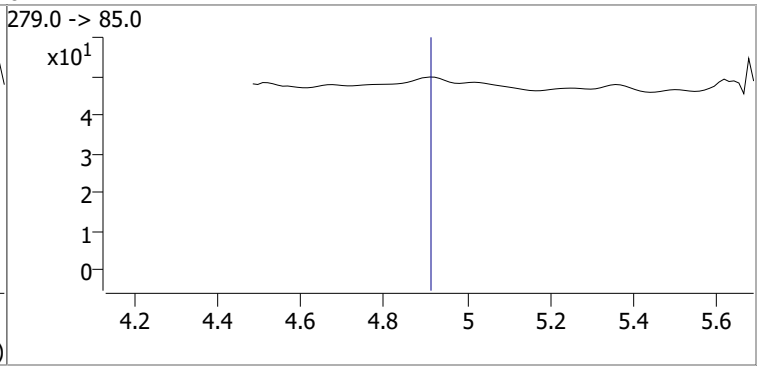
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



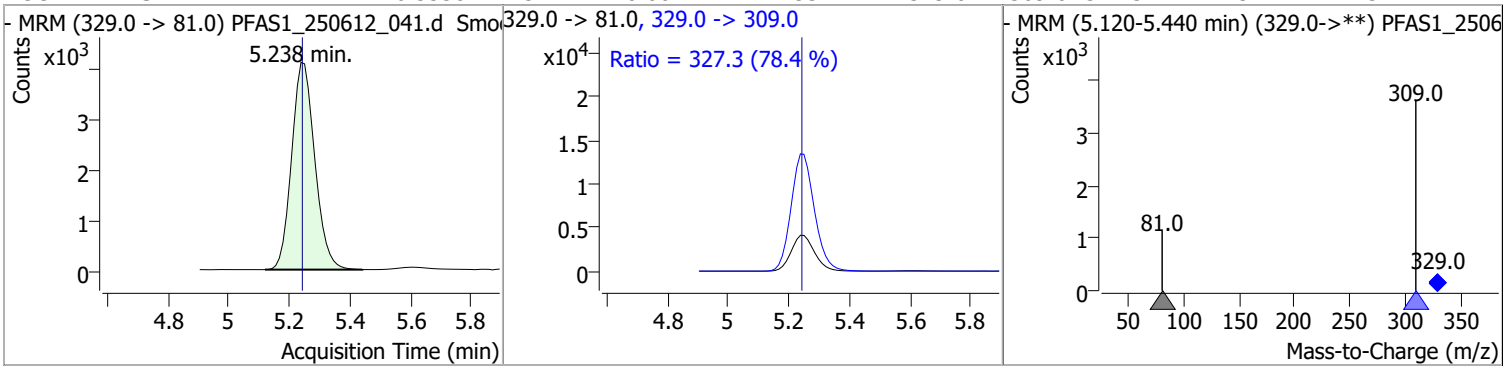


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

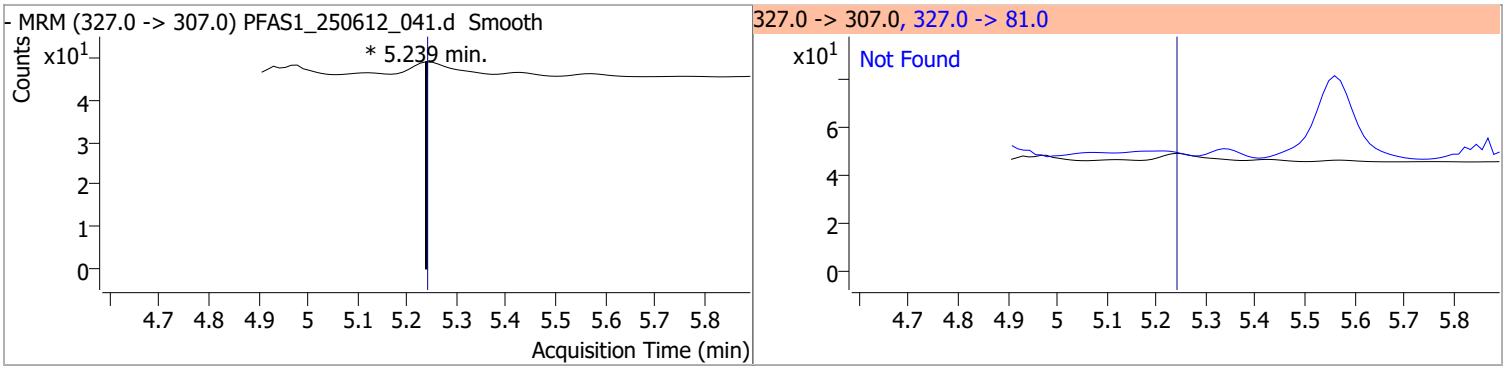




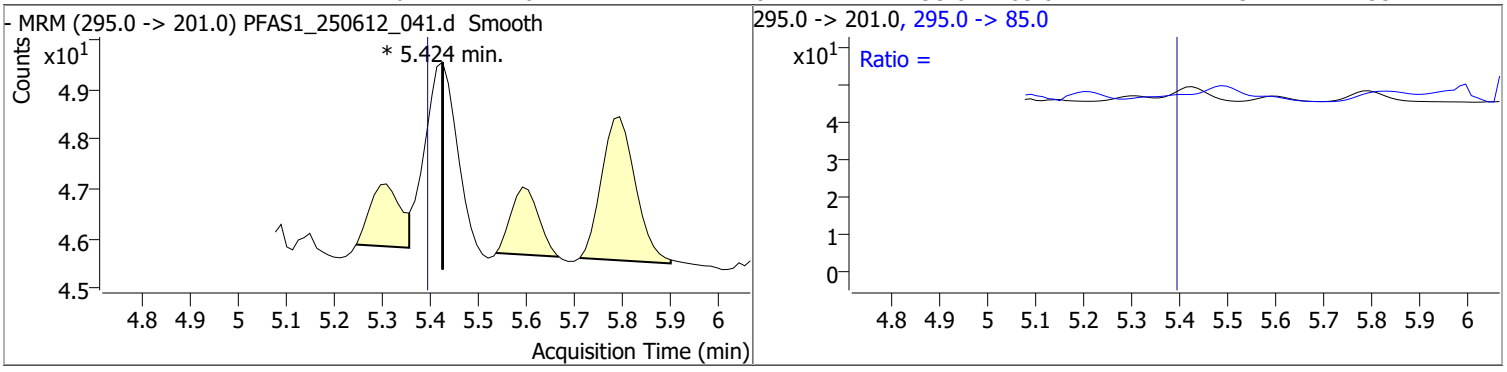
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5538	5.24	0.00	21753	329.0 -> 309.0	327.3	292.1	542.4



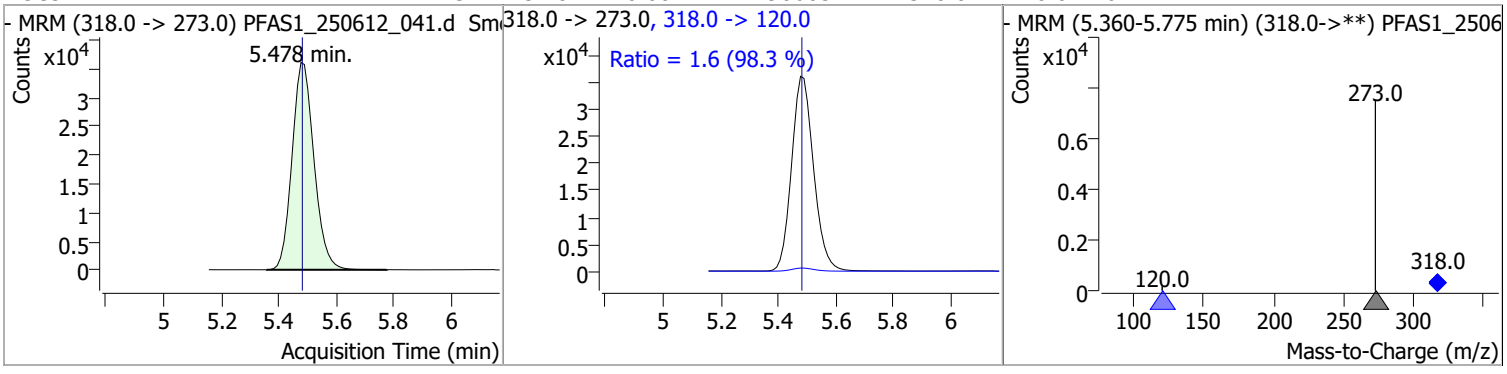
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



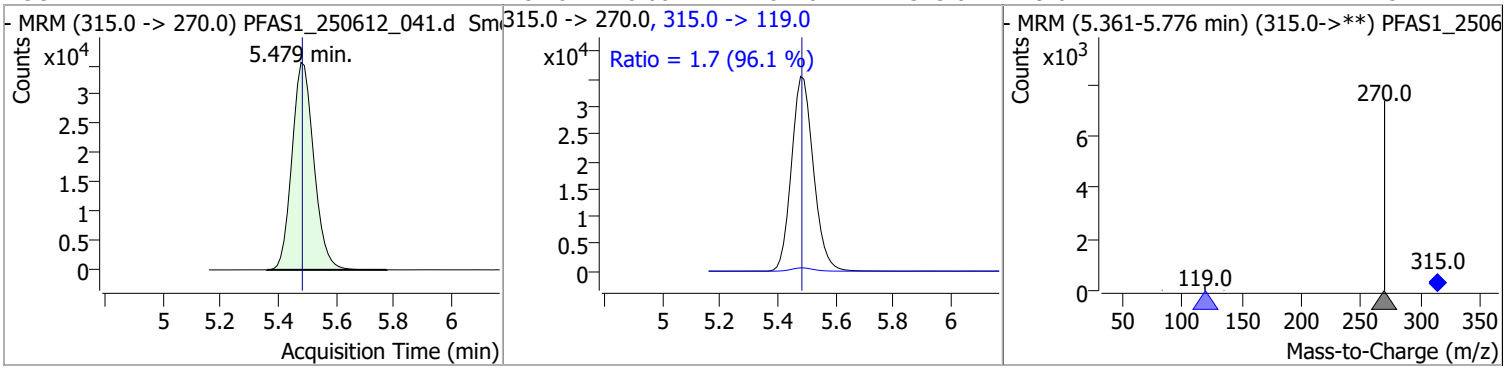
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



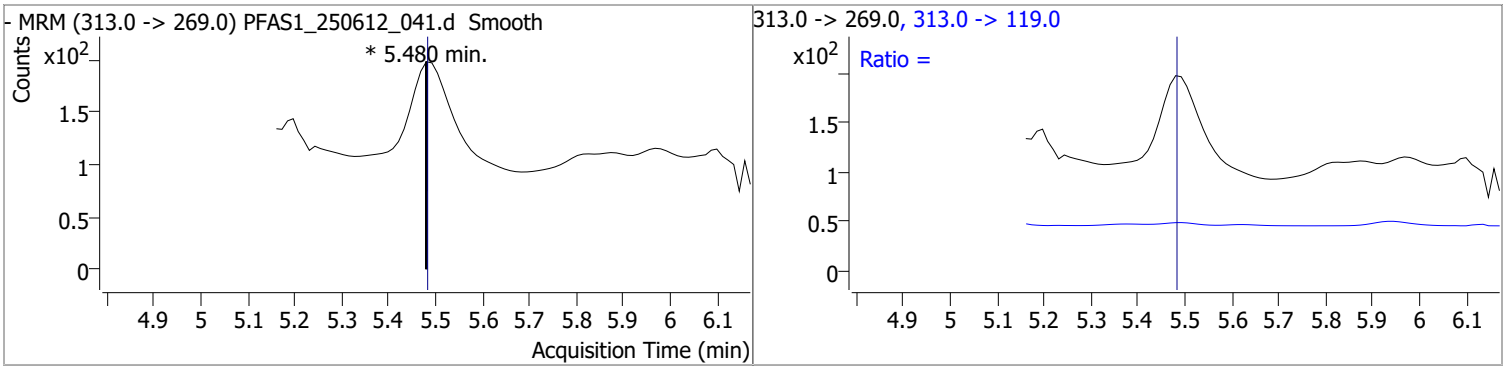
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4713	5.48	0.00	190605	318.0 -> 120.0	1.6	1.1	2.1



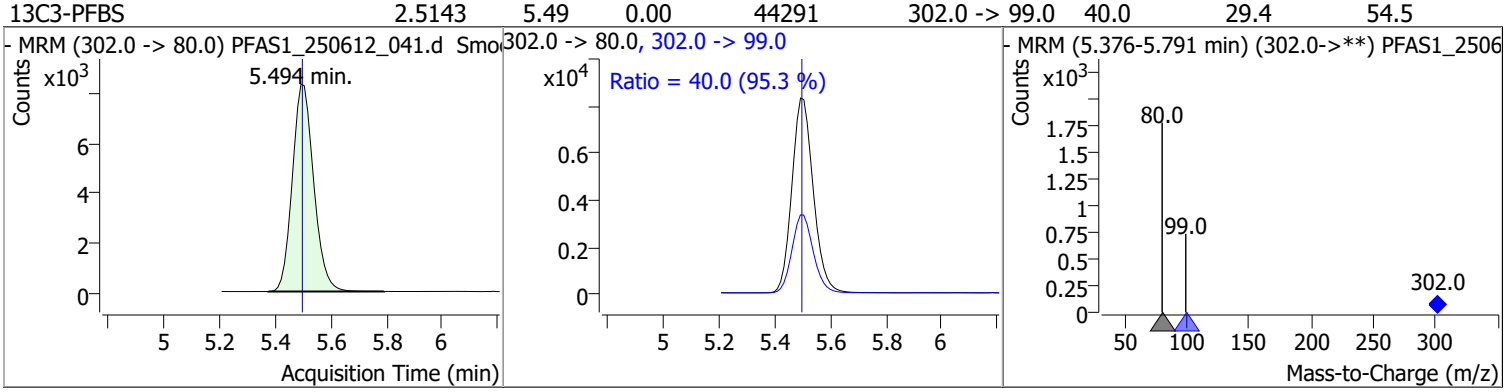
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	187207	315.0 -> 119.0	1.7	1.2	2.3



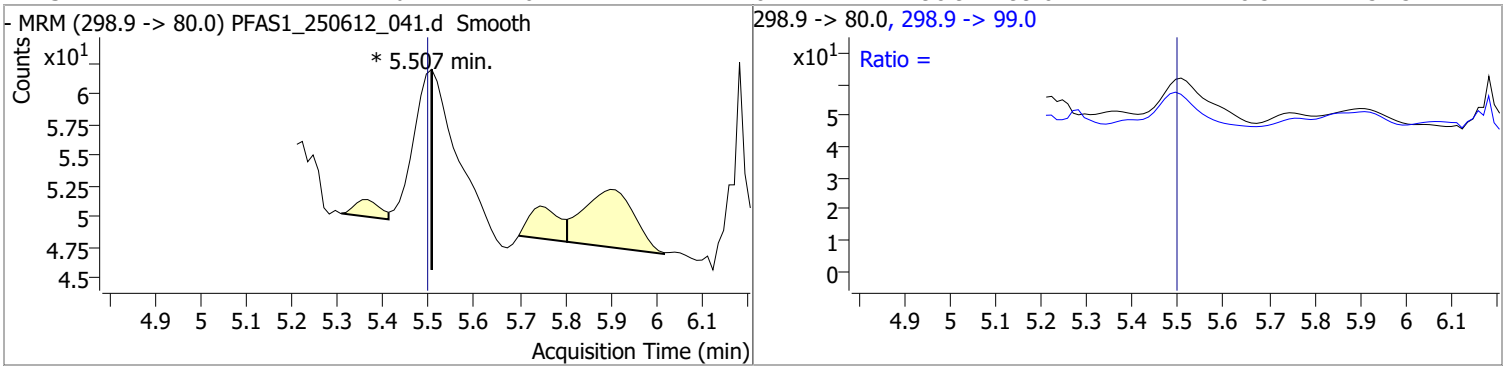
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



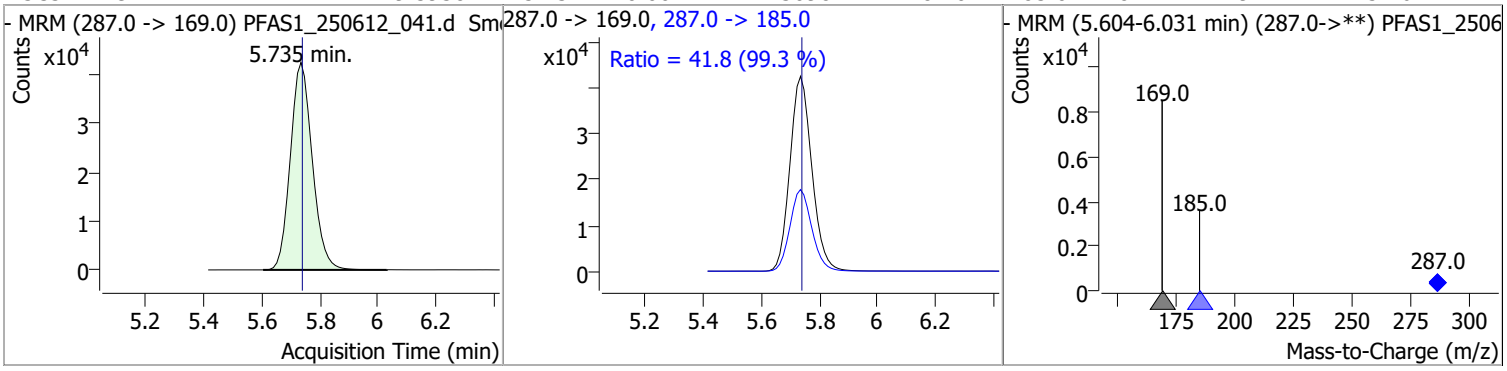
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5143	5.49	0.00	44291	302.0 -> 99.0	40.0	29.4	54.5



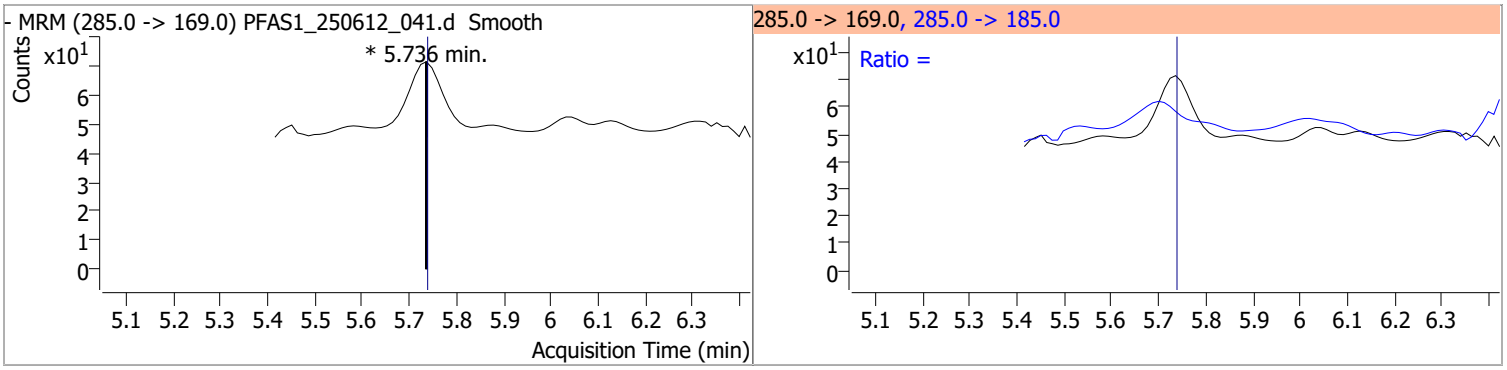
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



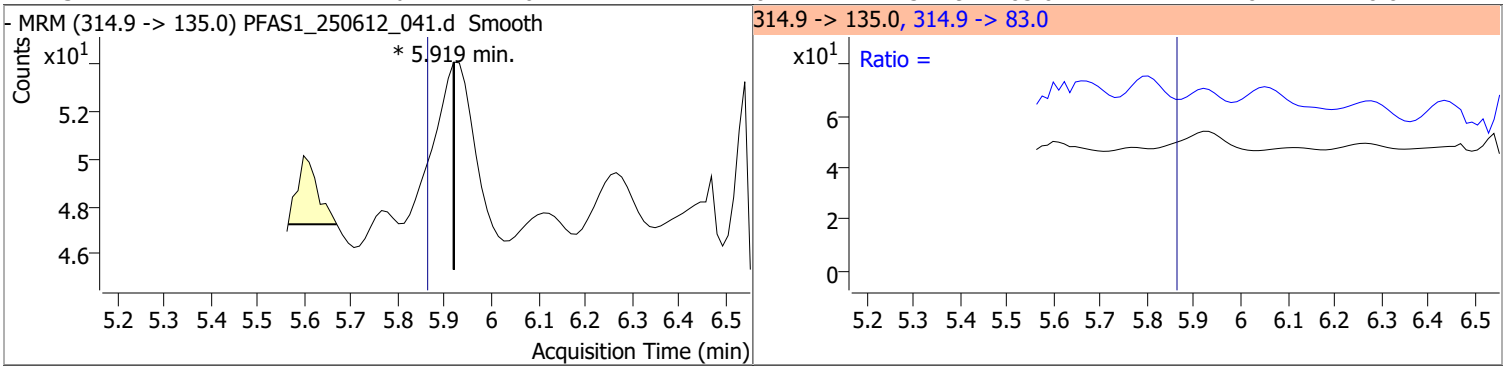
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5938	5.73	0.00	223098	287.0 -> 185.0	41.8	29.4	54.6



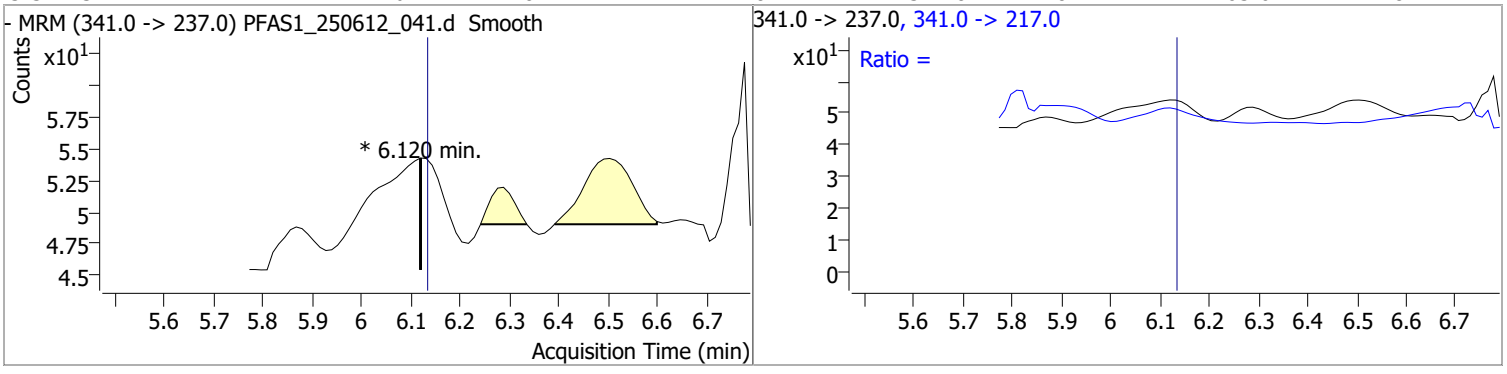
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



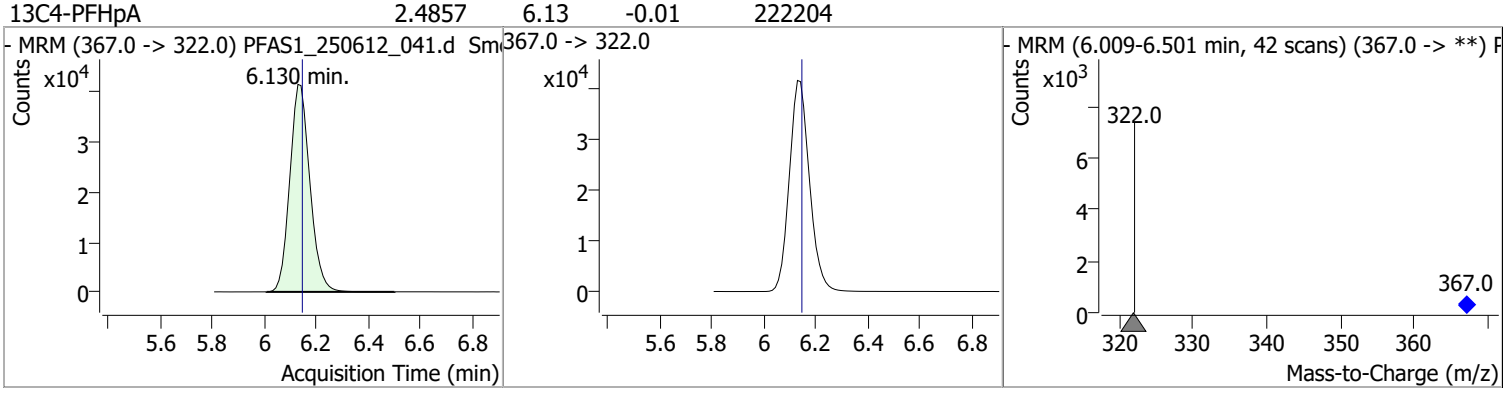
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



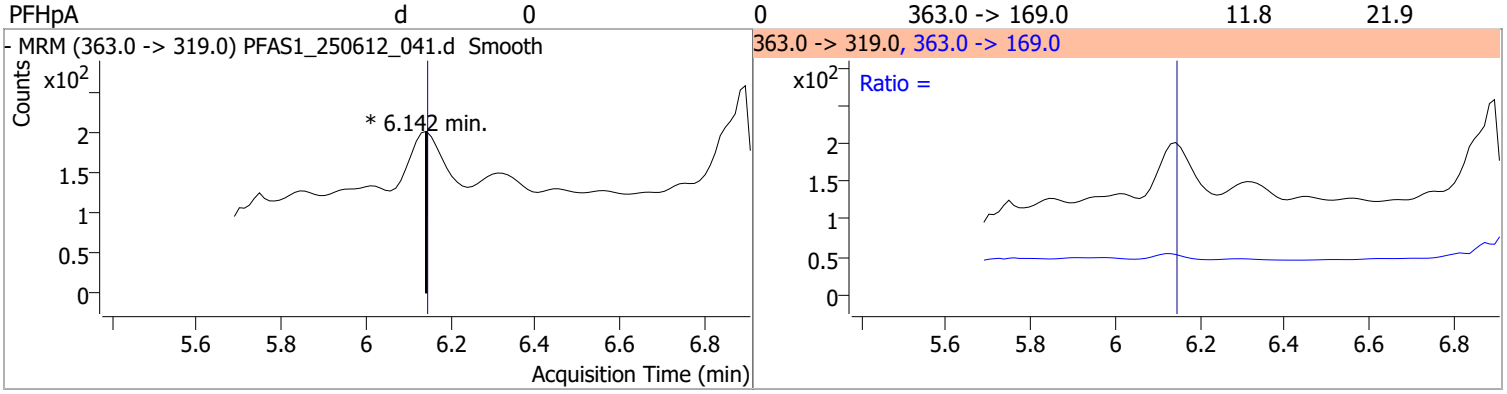
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



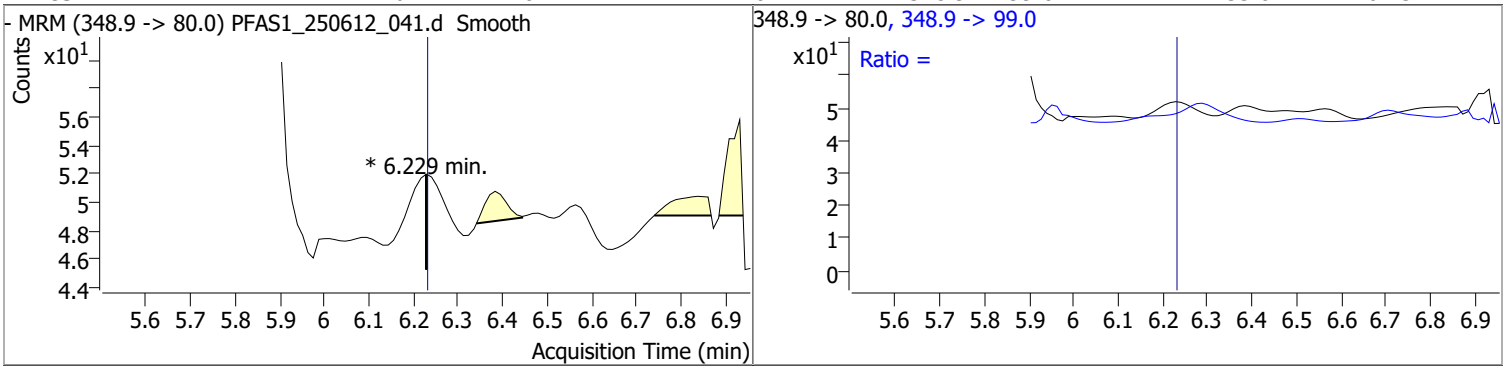
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4857	6.13	-0.01	222204				



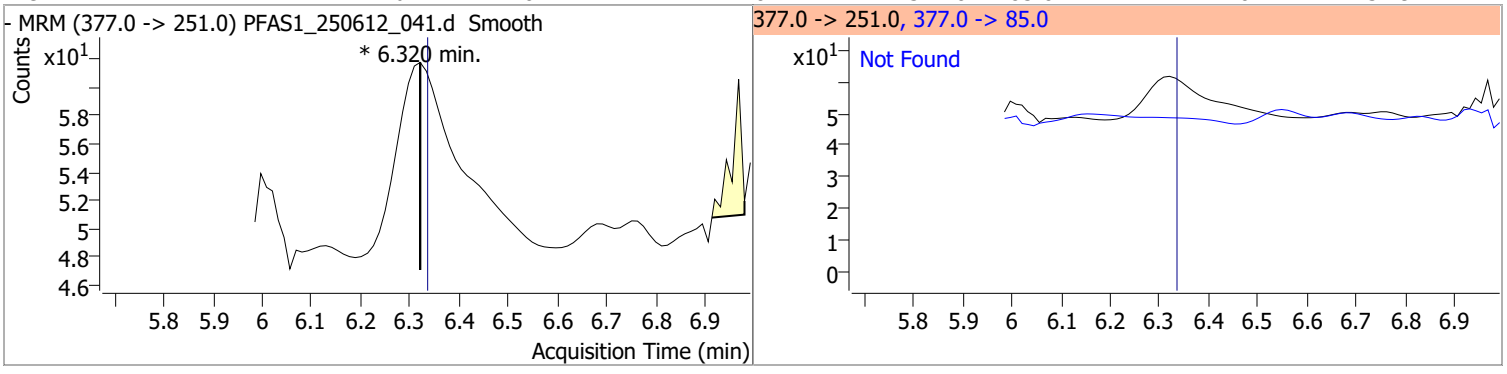
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



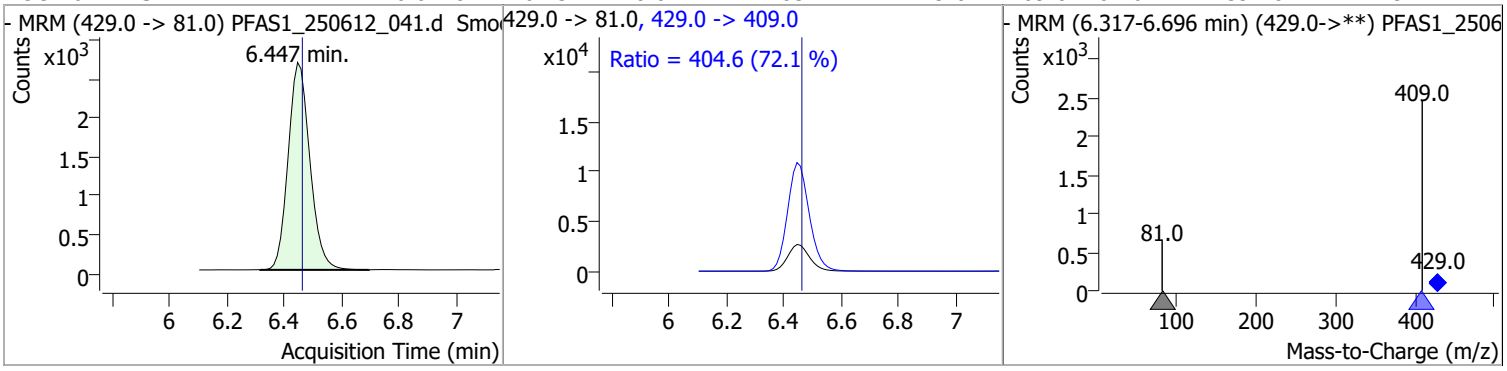
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



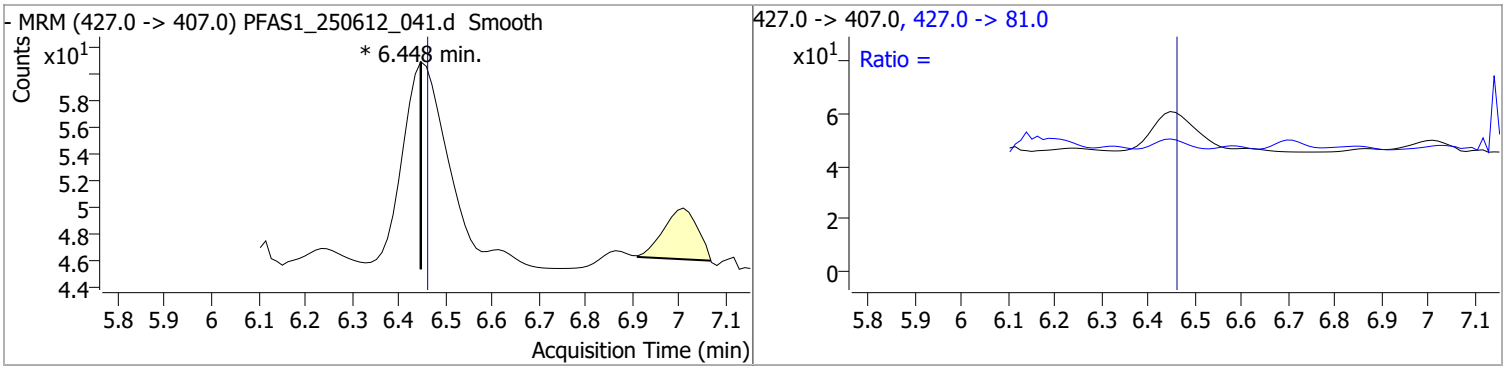
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



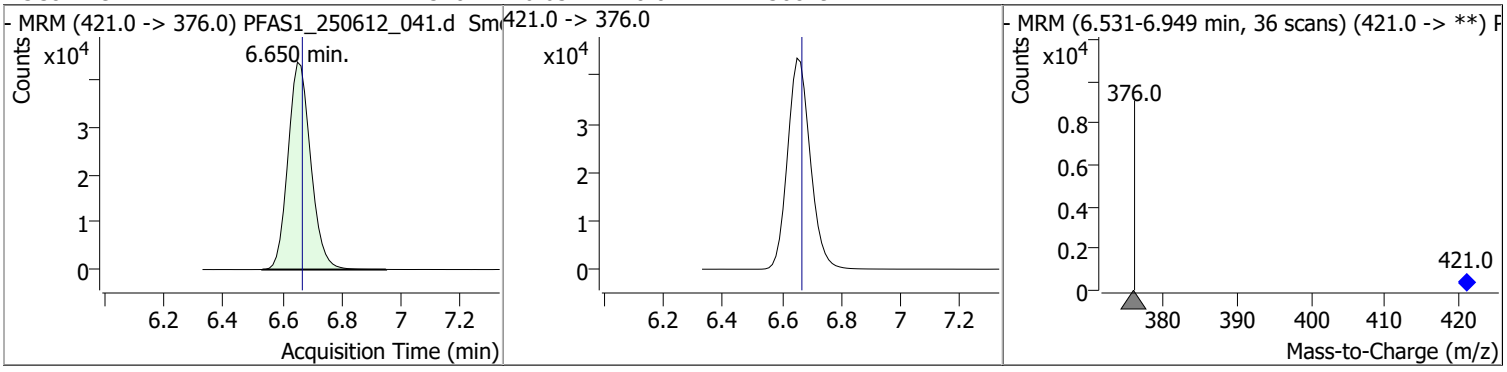
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.0418	6.45	-0.01	14052	429.0 -> 409.0	404.6	392.8	729.4



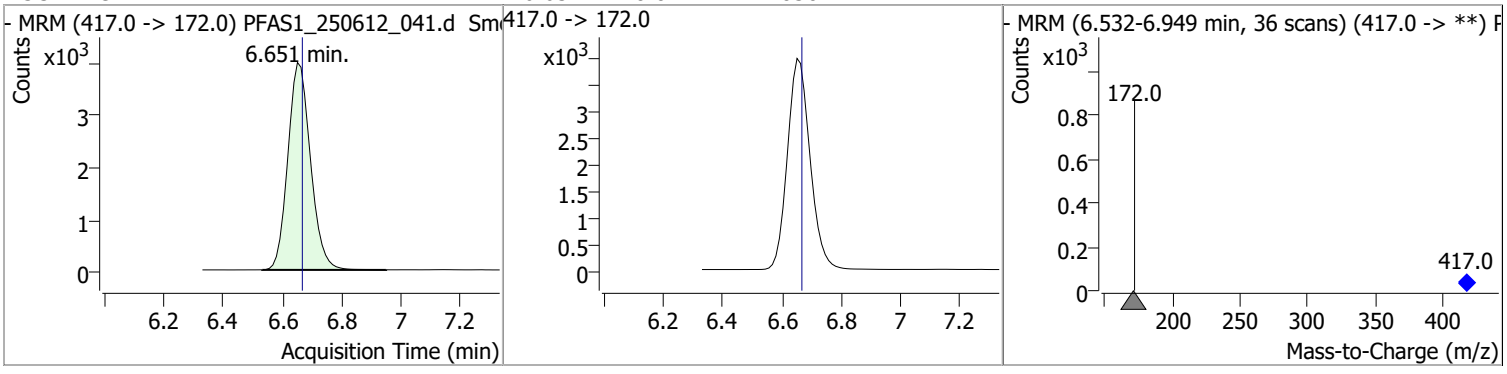
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



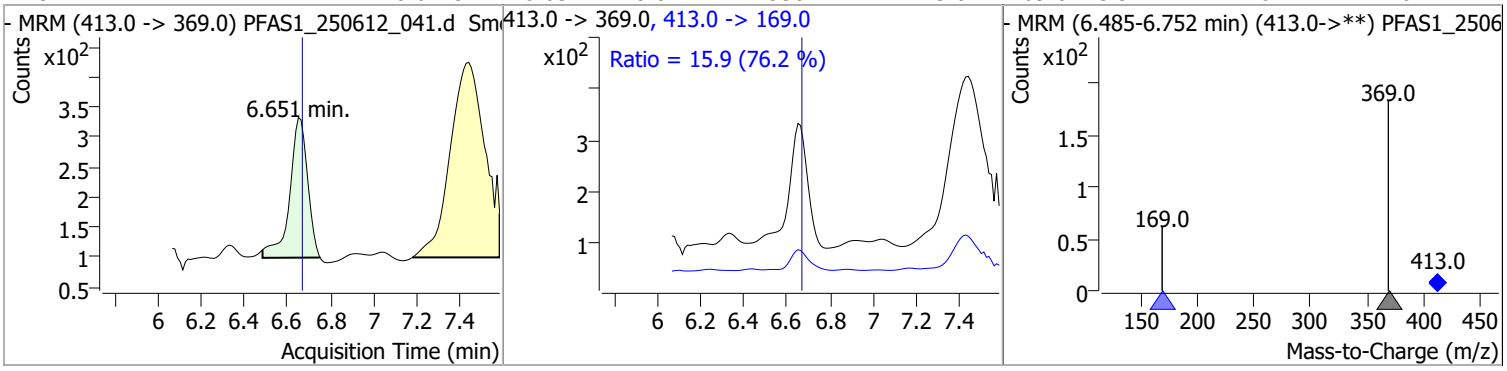
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4510	6.65	-0.01	230819				



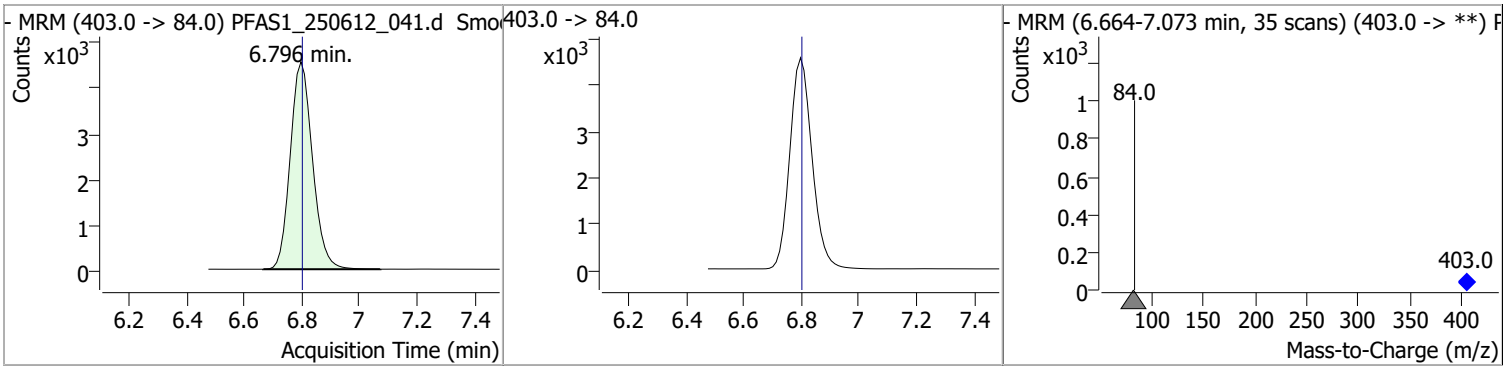
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	21030				



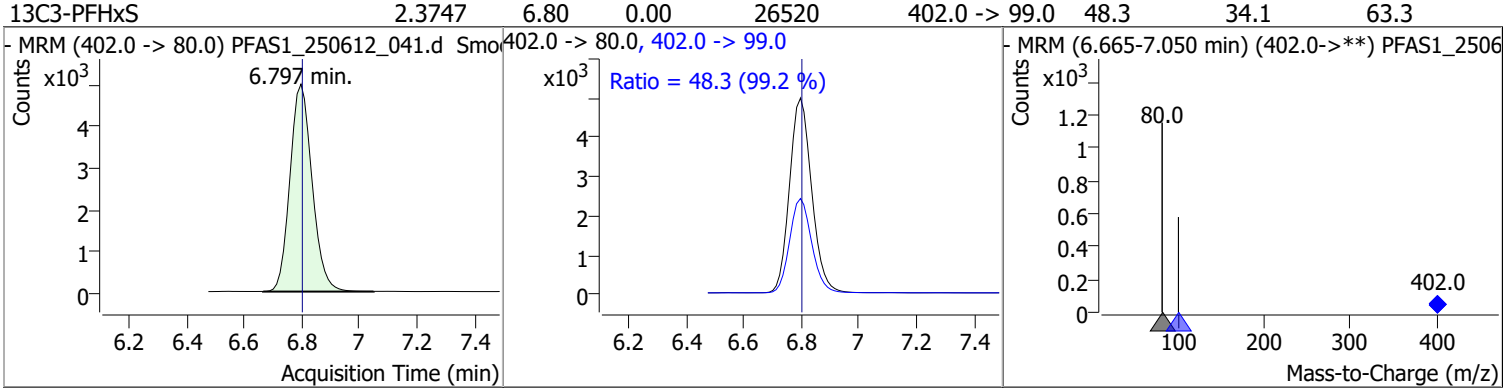
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0249	6.65	-0.01	1350	413.0 -> 169.0	15.9	14.6	27.0



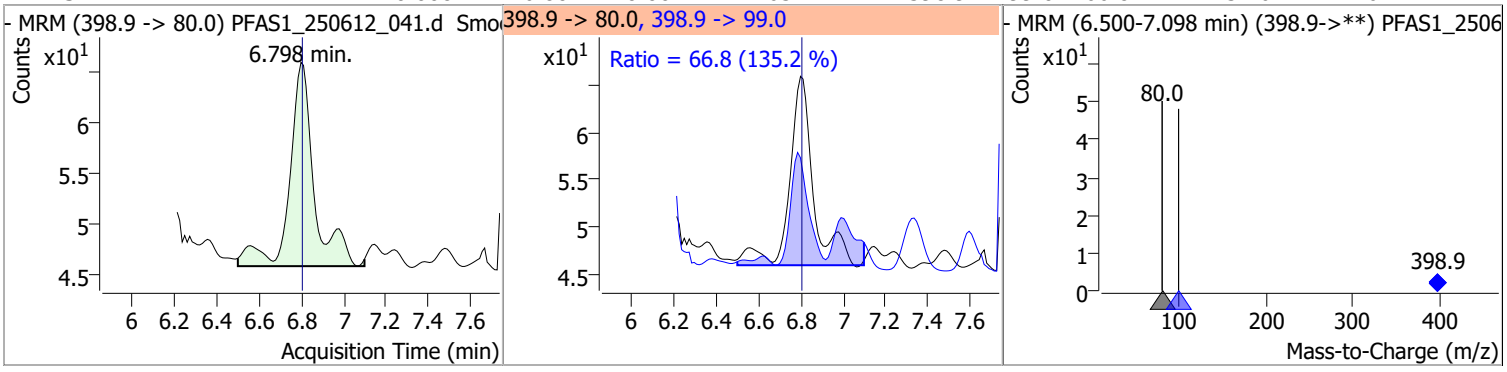
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24328				



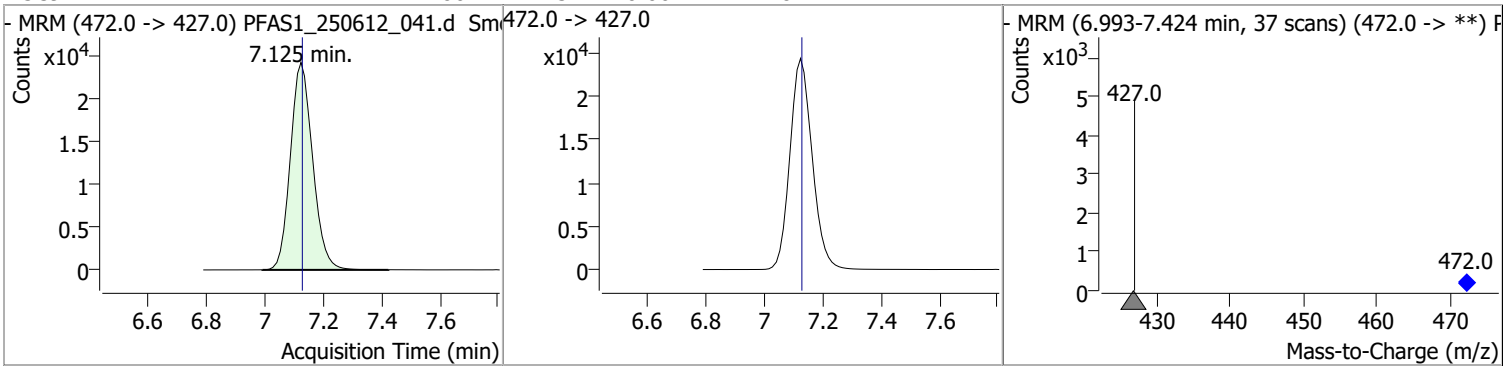
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3747	6.80	0.00	26520	402.0 -> 99.0	48.3	34.1	63.3



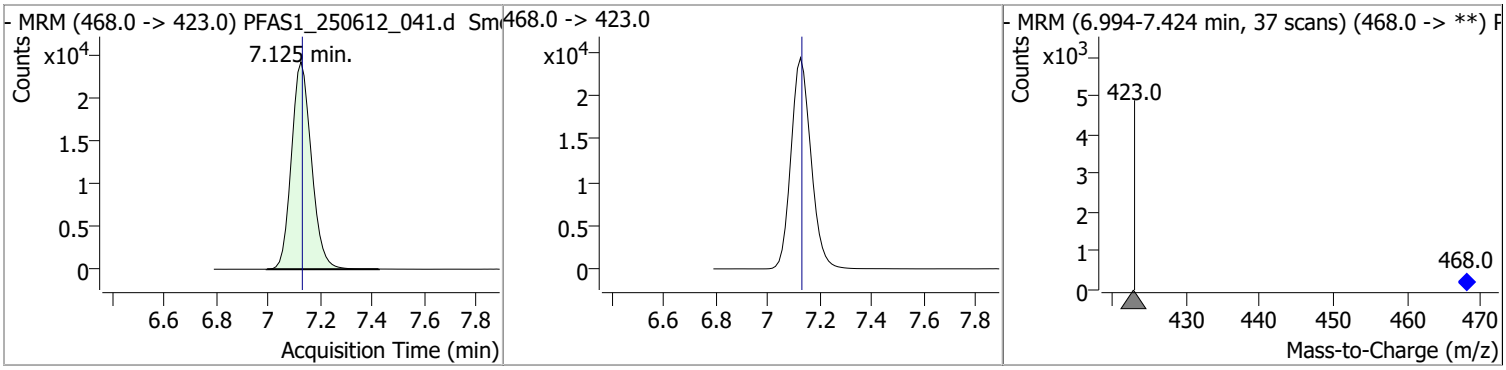
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0081	6.80	0.00	163	398.9 -> 99.0	66.8	34.6	64.2



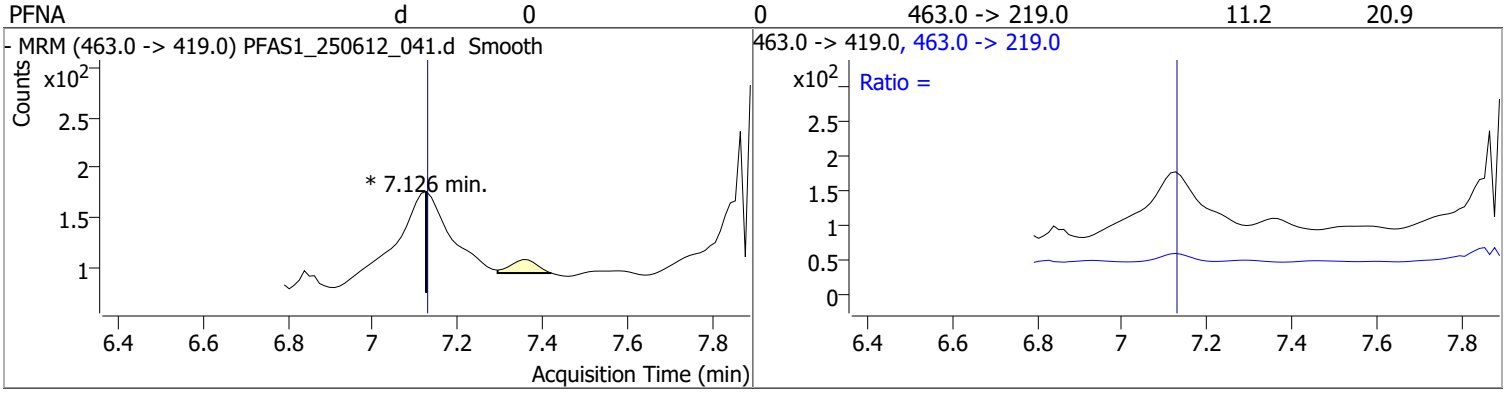
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2180	7.13	0.00	128417				



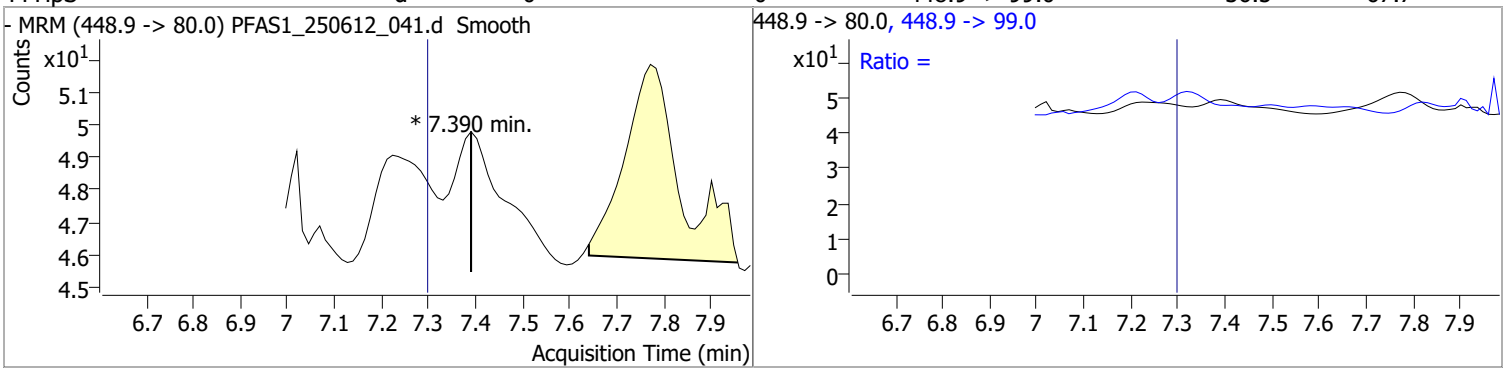
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128582				



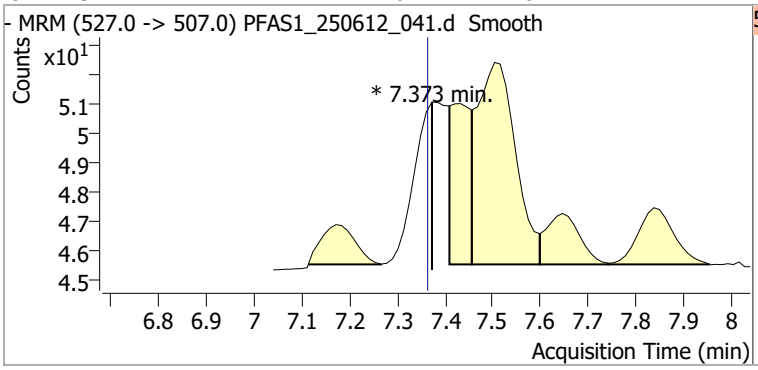
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

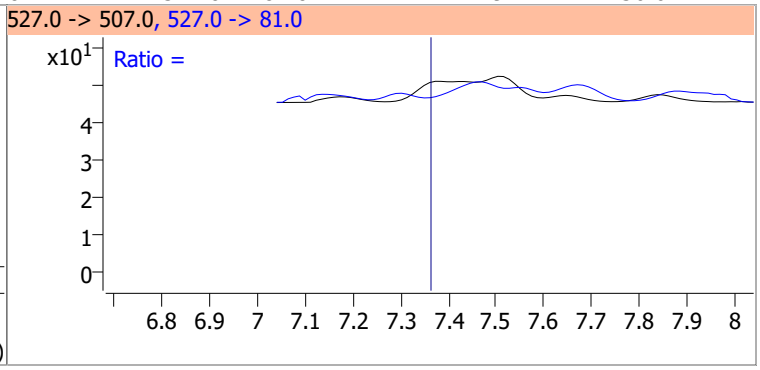


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

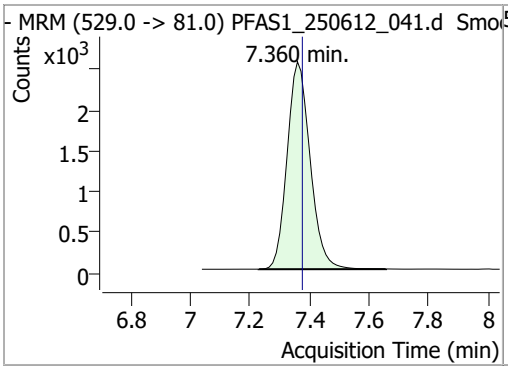


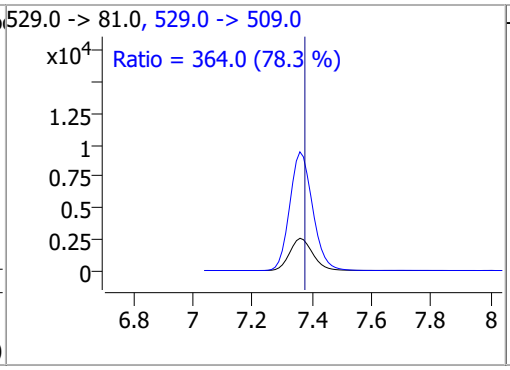
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

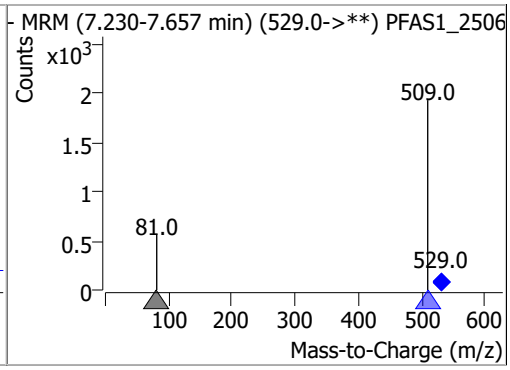




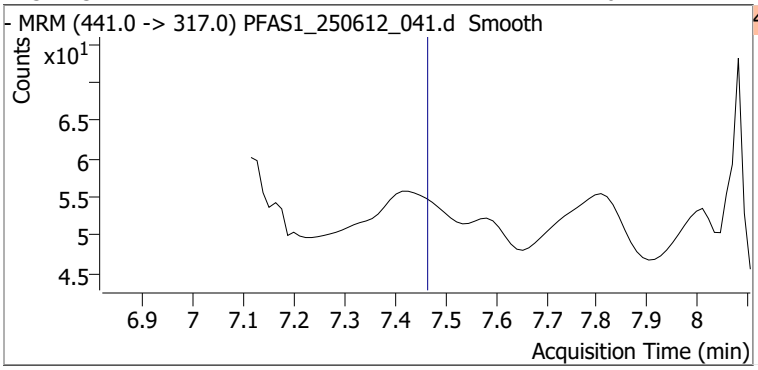
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3668	7.36	-0.01	13667	529.0 -> 509.0	364.0	325.6	604.6

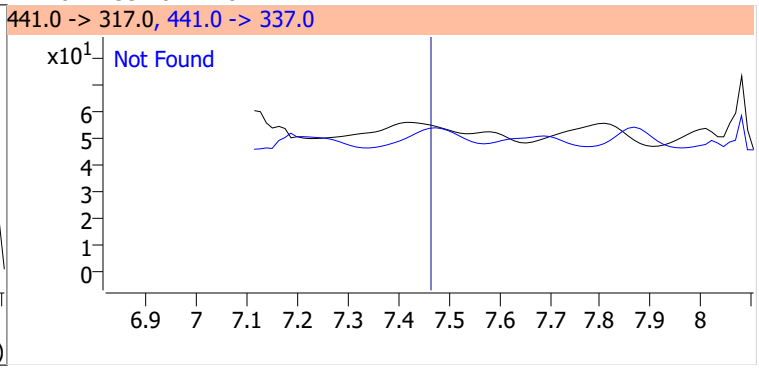




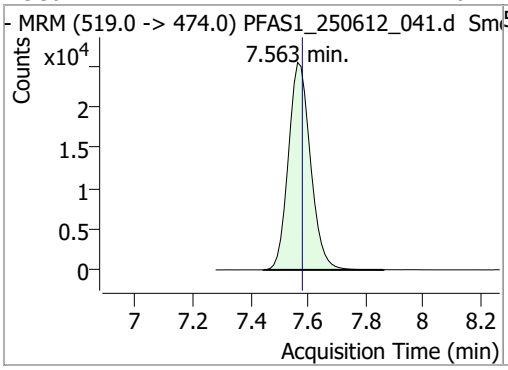


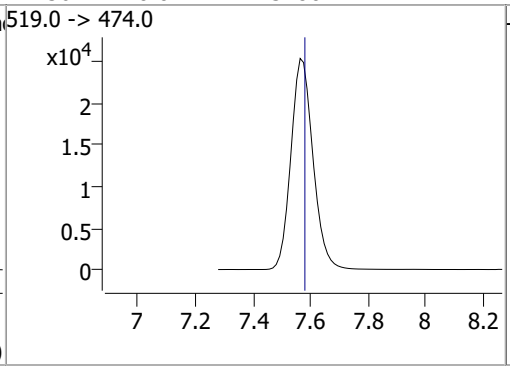
Compound	Conc.	Exp RT	QIon	Exp Ratio
7-3 FTCA	N.D.	7.46	441.0 -> 337.0	110.2

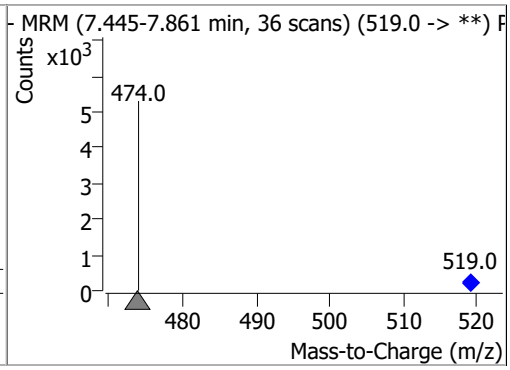




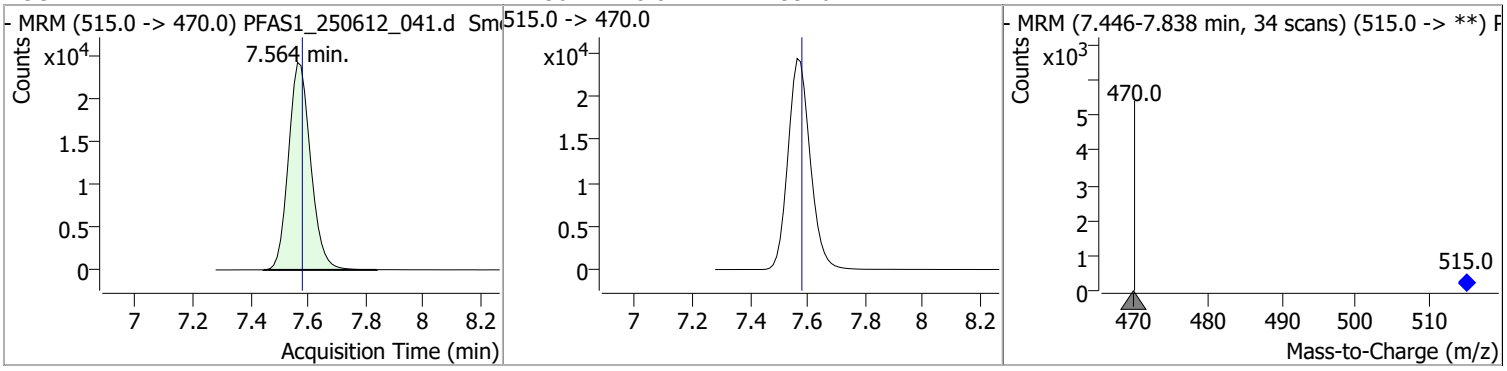
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2216	7.56	-0.01	134802				



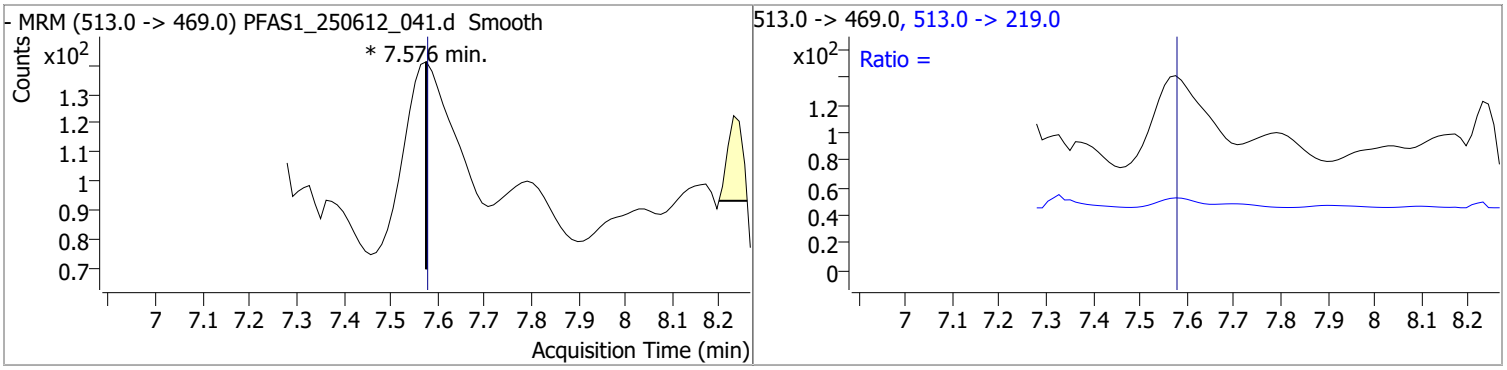




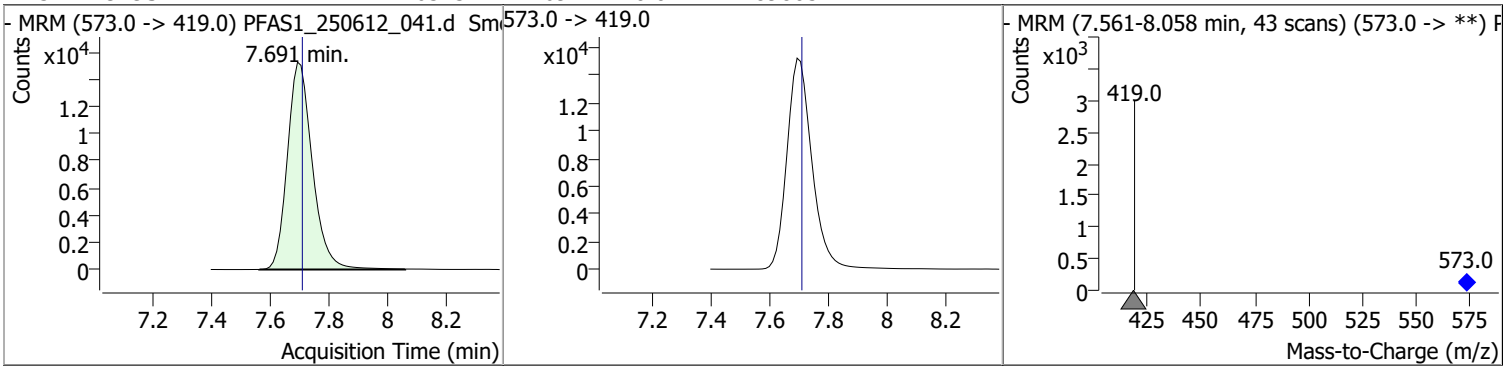
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	129946				



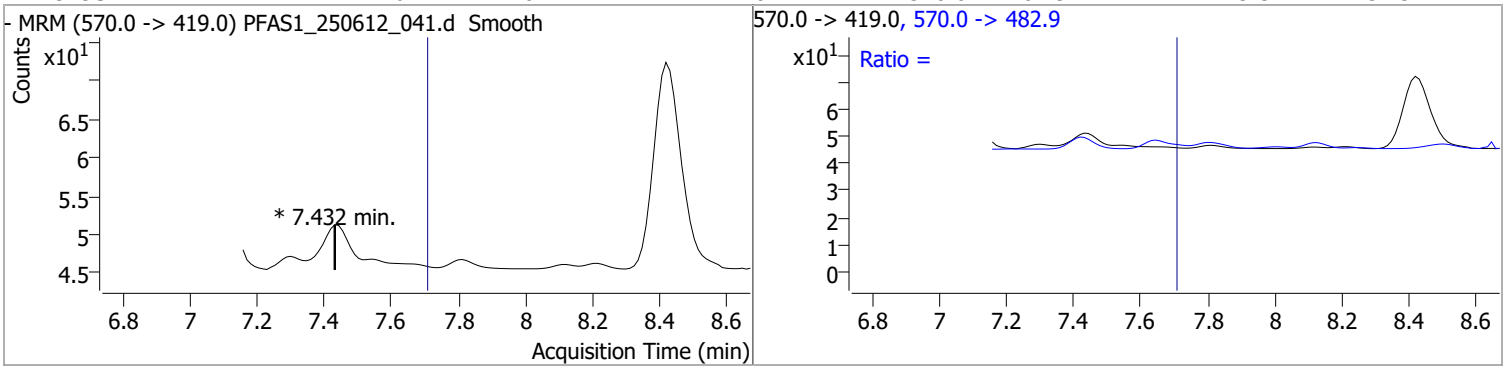
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



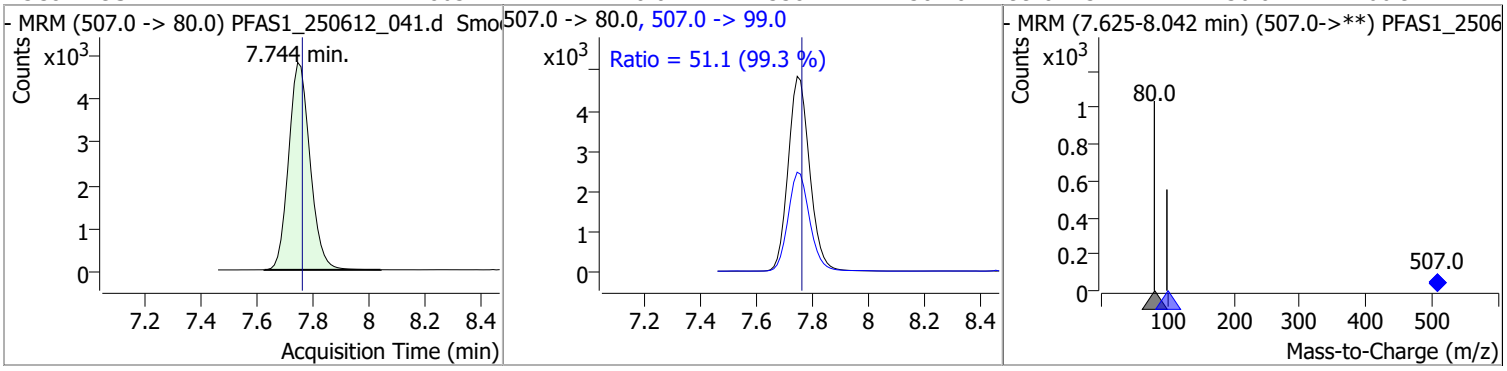
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6313	7.69	-0.01	89805				



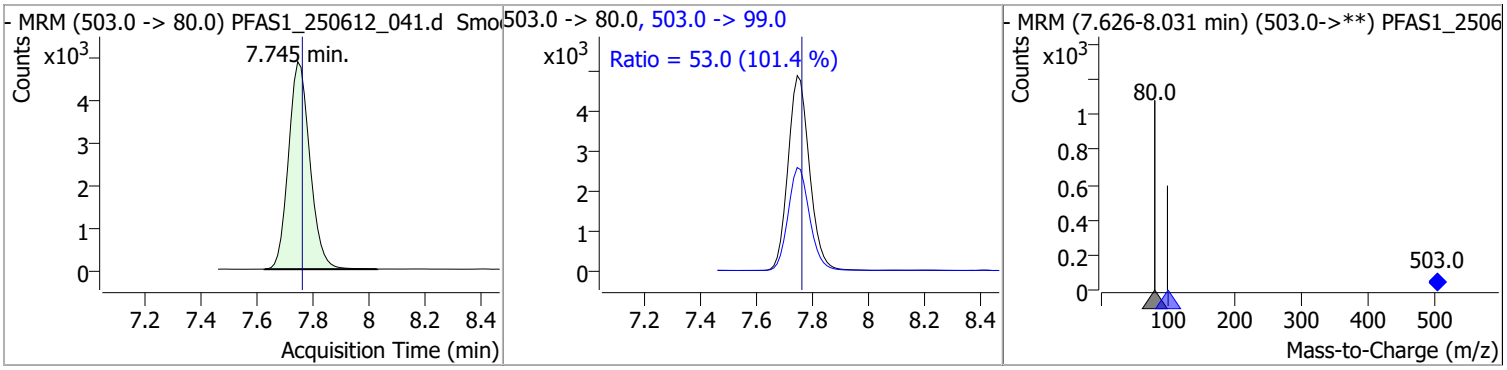
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



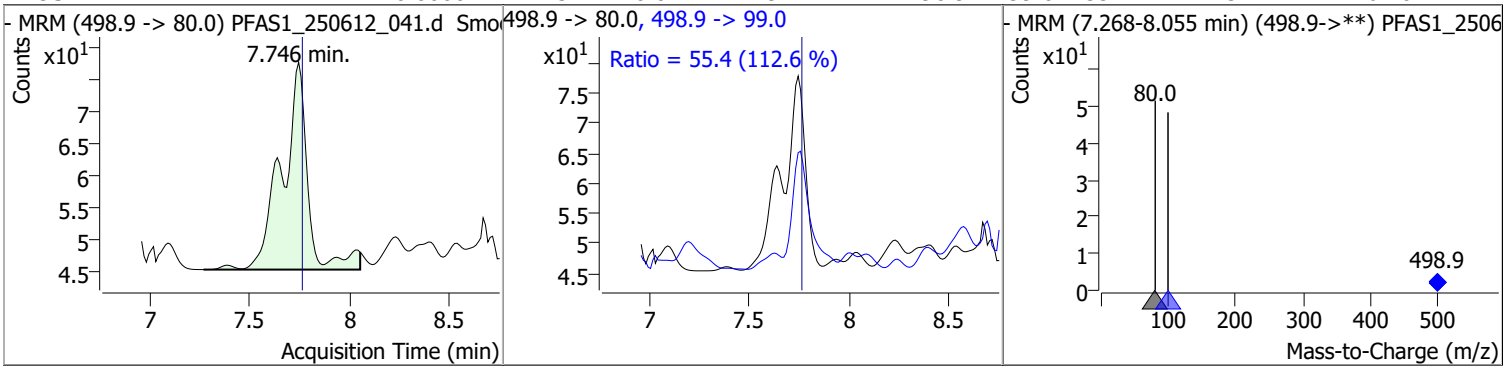
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4863	7.74	-0.01	25587	507.0 -> 99.0	51.1	36.0	66.9



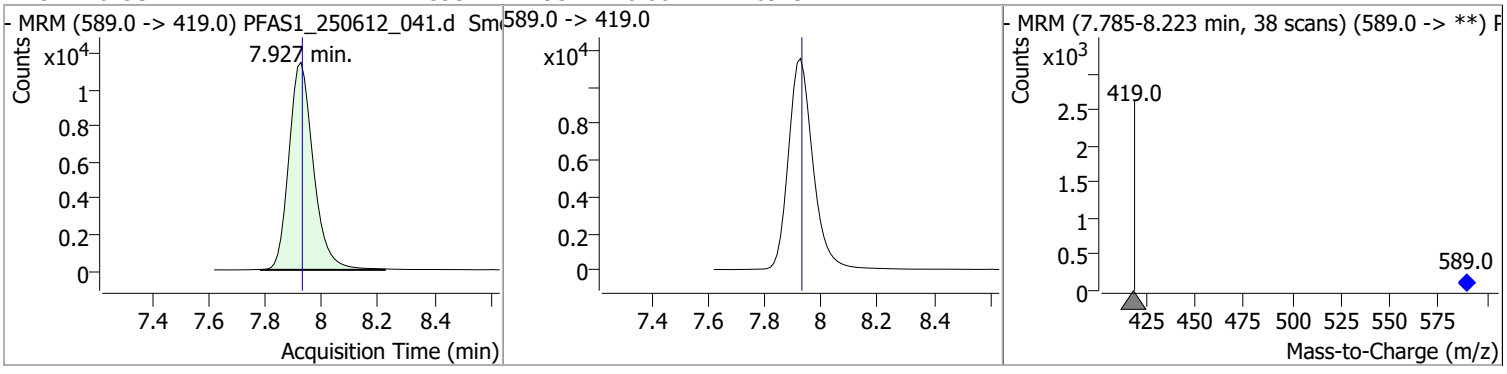
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	25970	503.0 -> 99.0	53.0	36.6	67.9



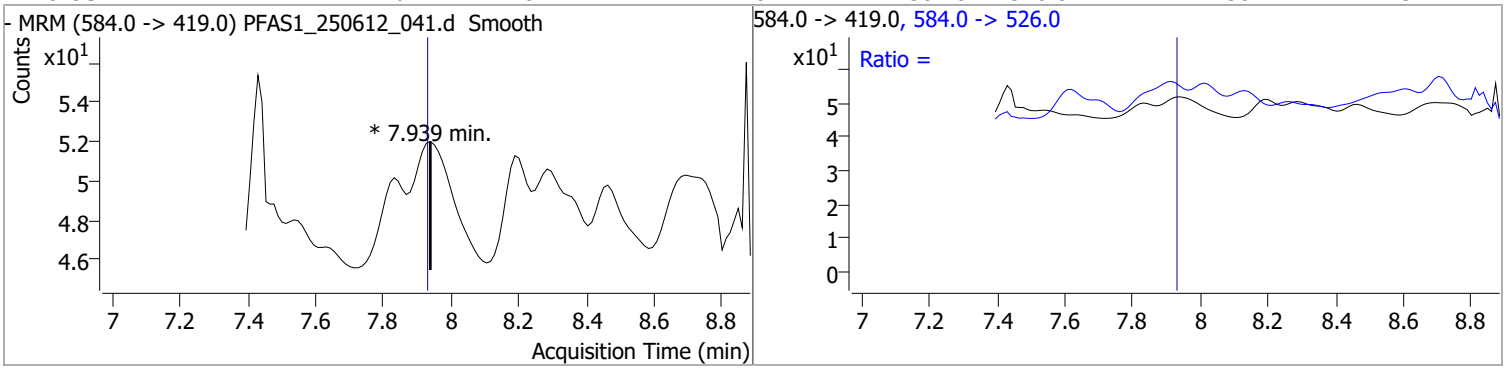
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	291	498.9 -> 99.0	55.4	34.4	64.0



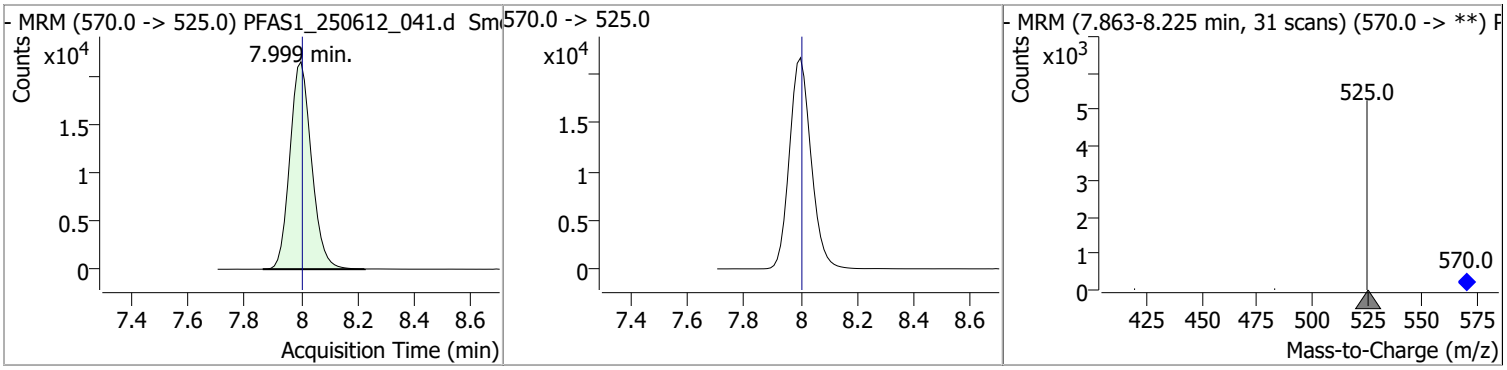
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.4593	7.93	0.00	69292				



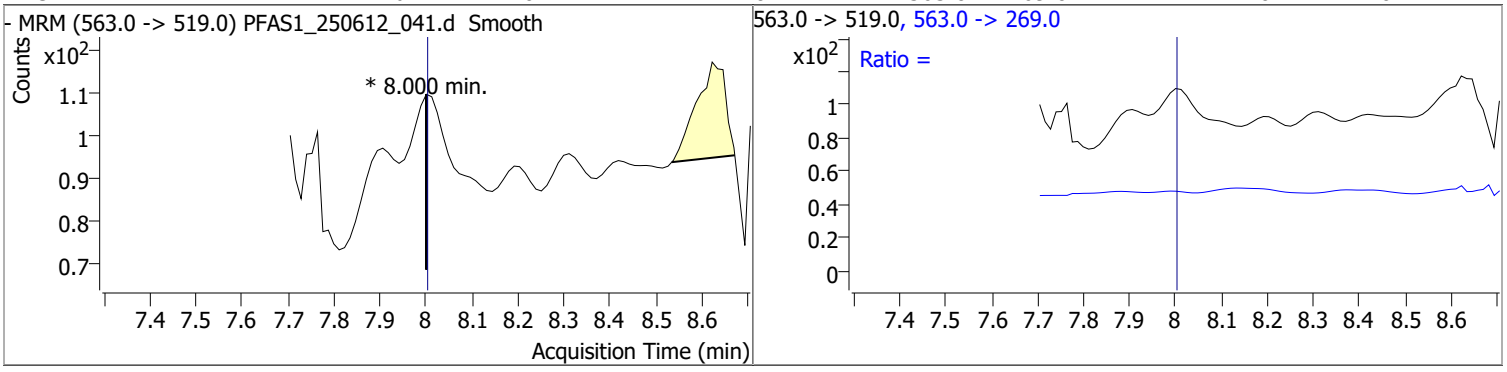
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



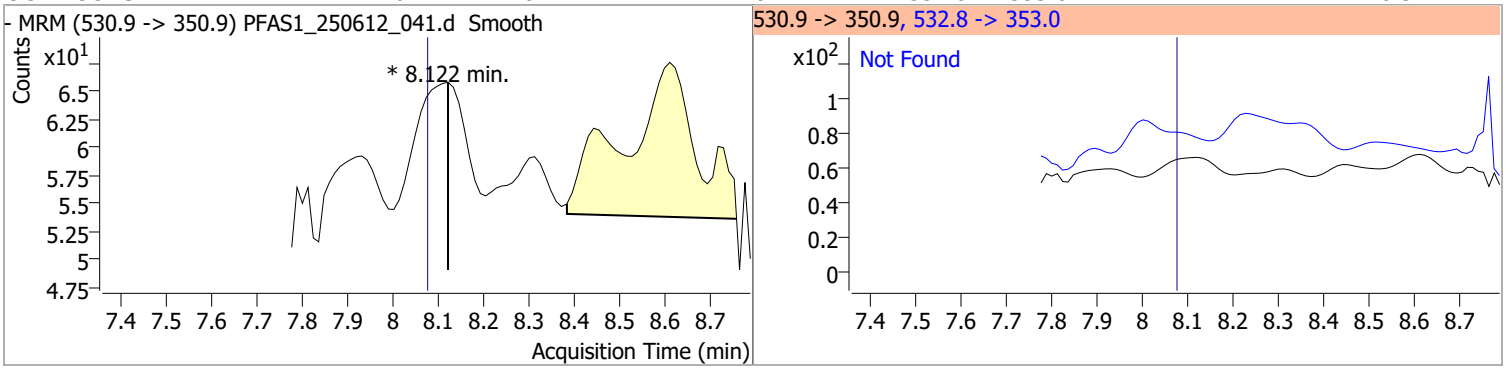
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1971	8.00	0.00	114701				



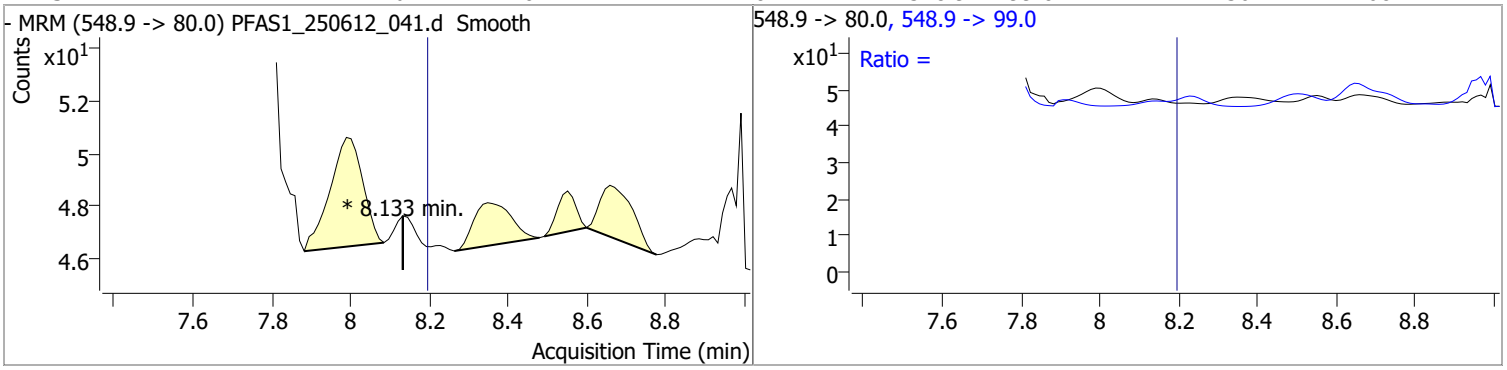
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



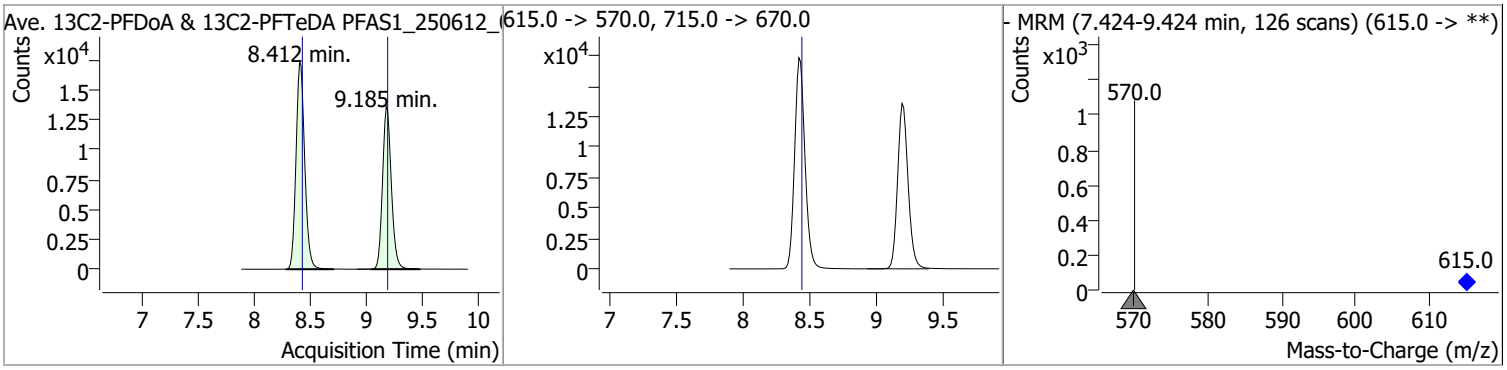
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



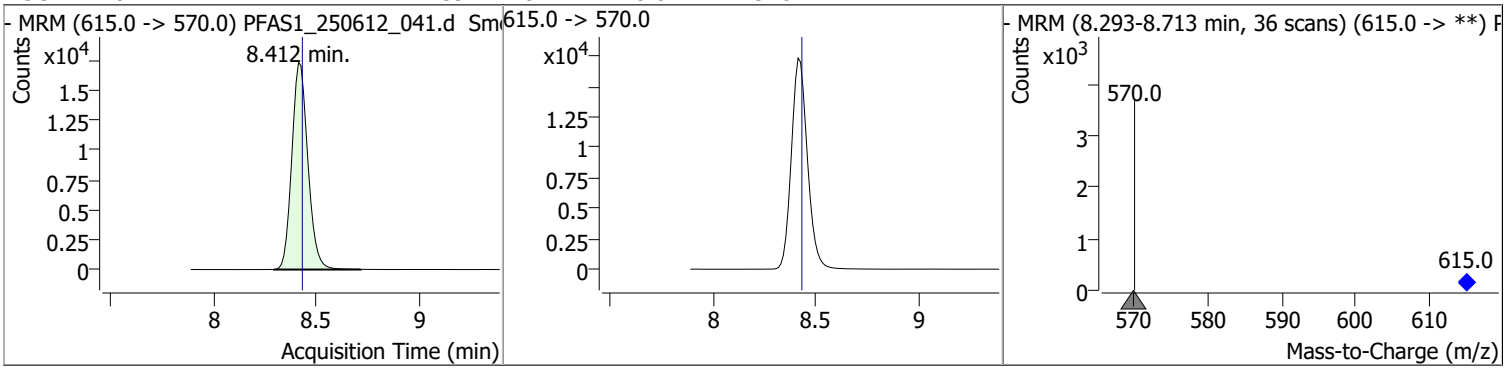
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



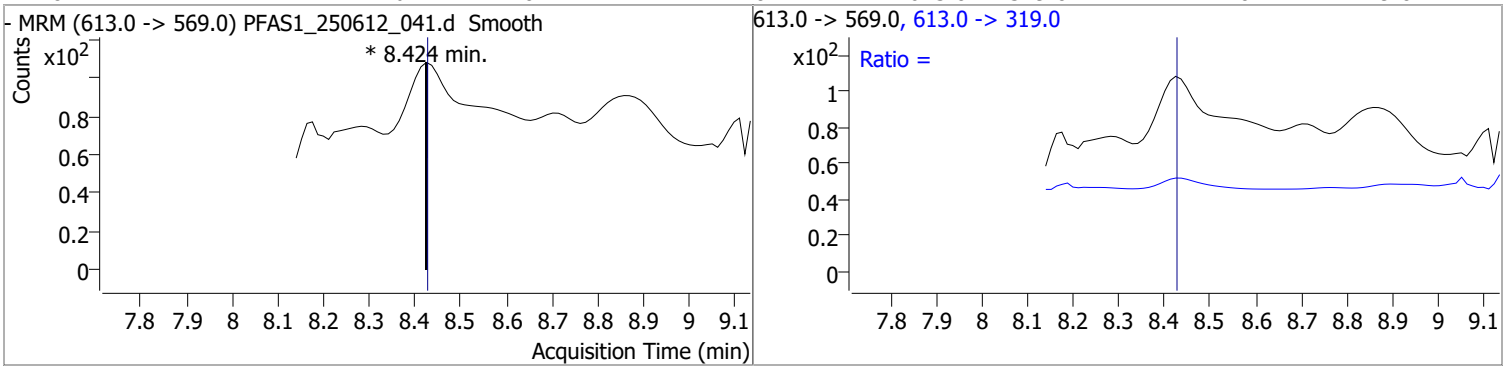
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0135	8.80	0.37	83429				



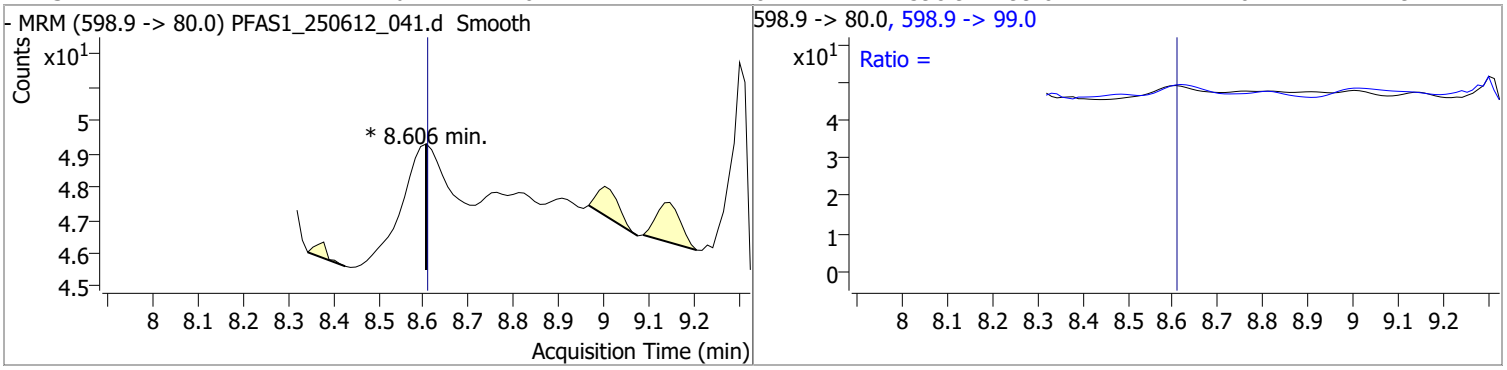
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1139	8.41	-0.01	92841				



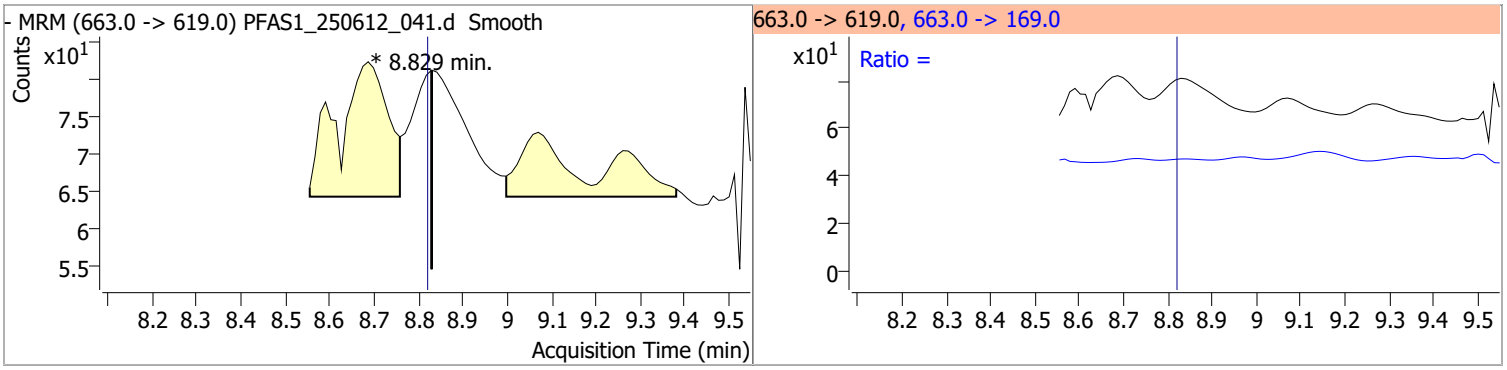
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



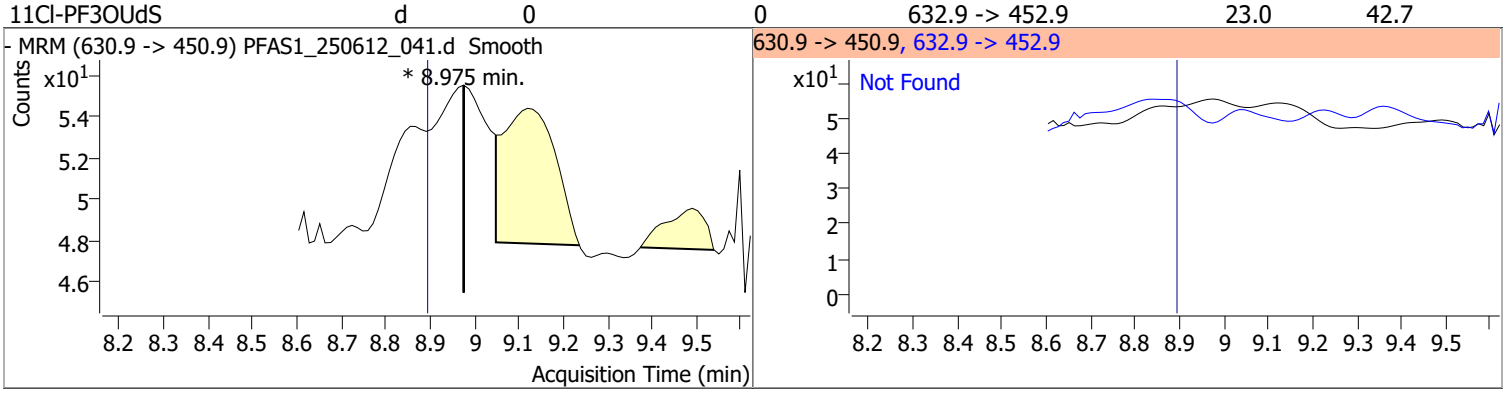
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



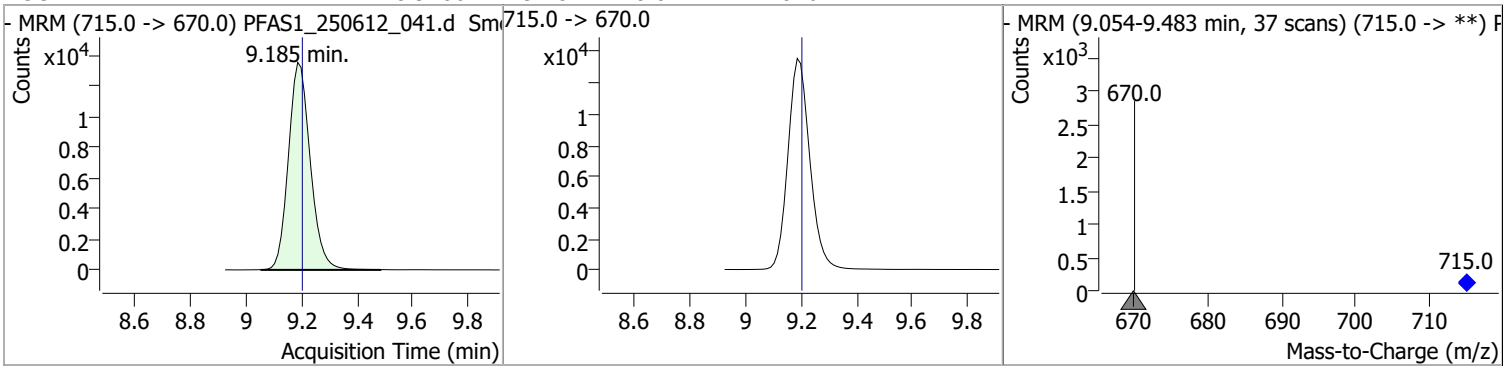
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



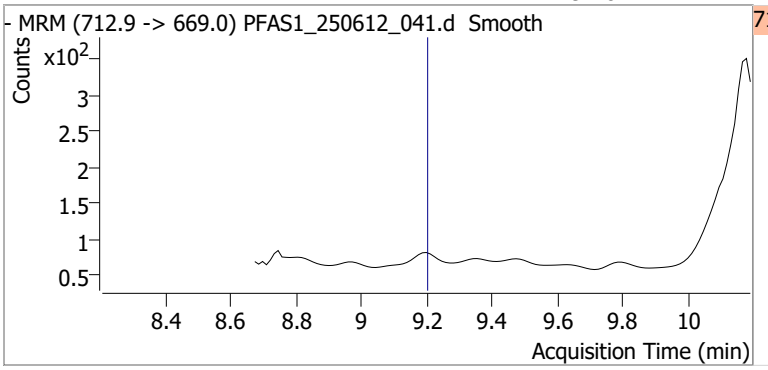
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

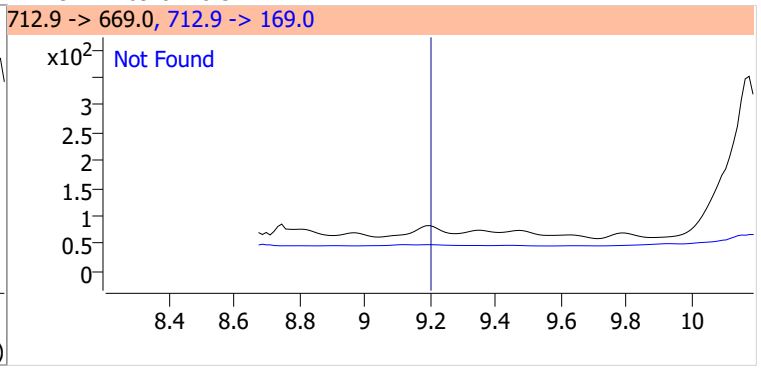


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9106	9.18	-0.01	74016				

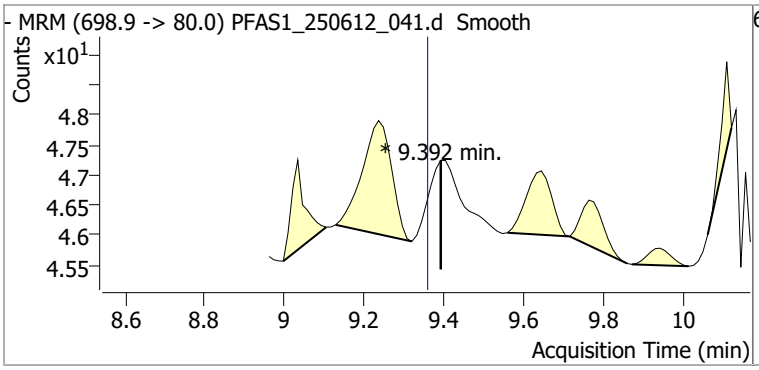


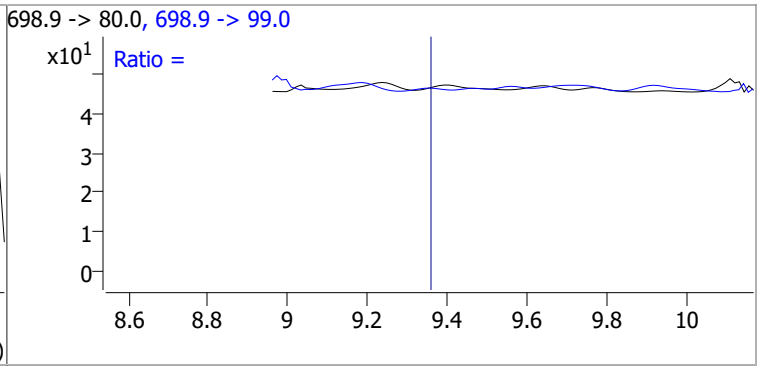
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTDA	N.D.	9.20	712.9 -> 169.0	8.3



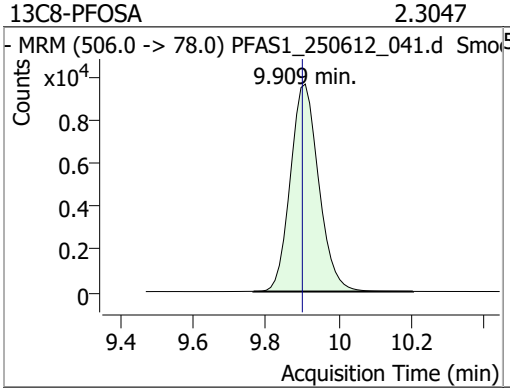


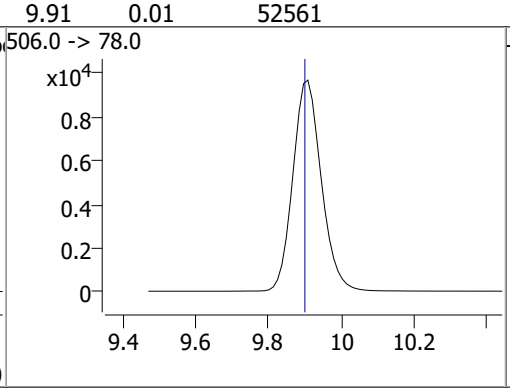
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

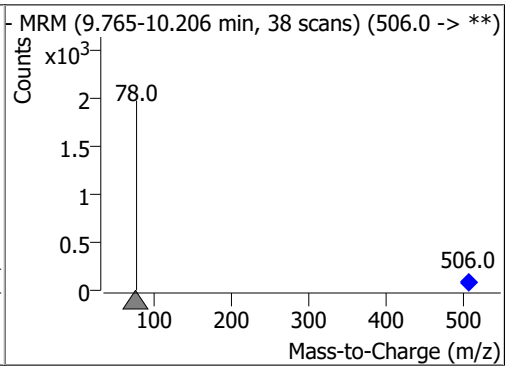




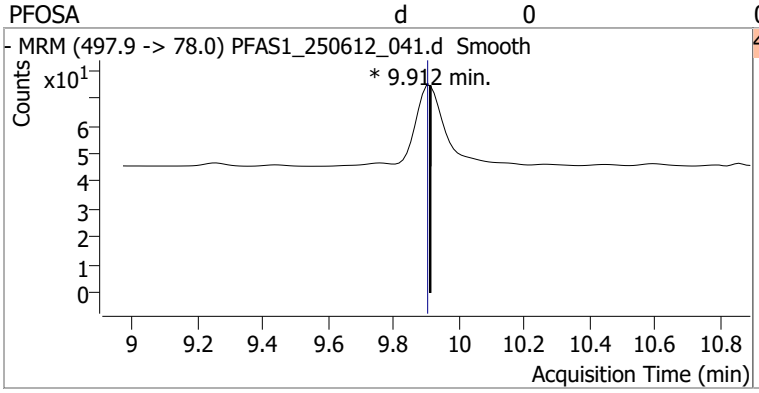
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3047	9.91	0.01	52561				

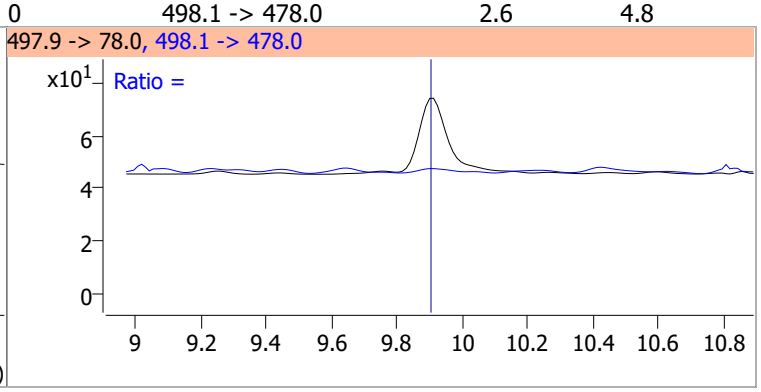




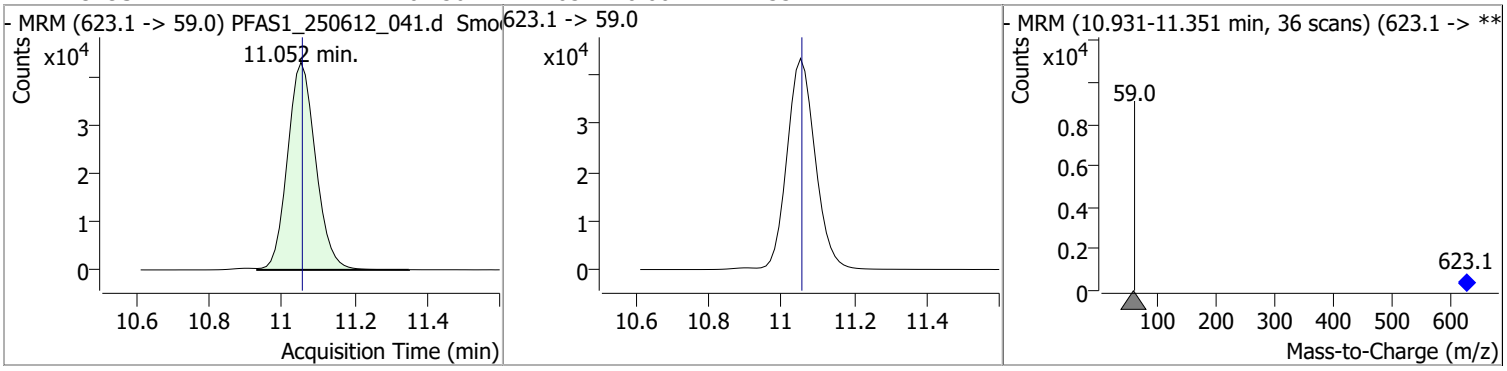


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

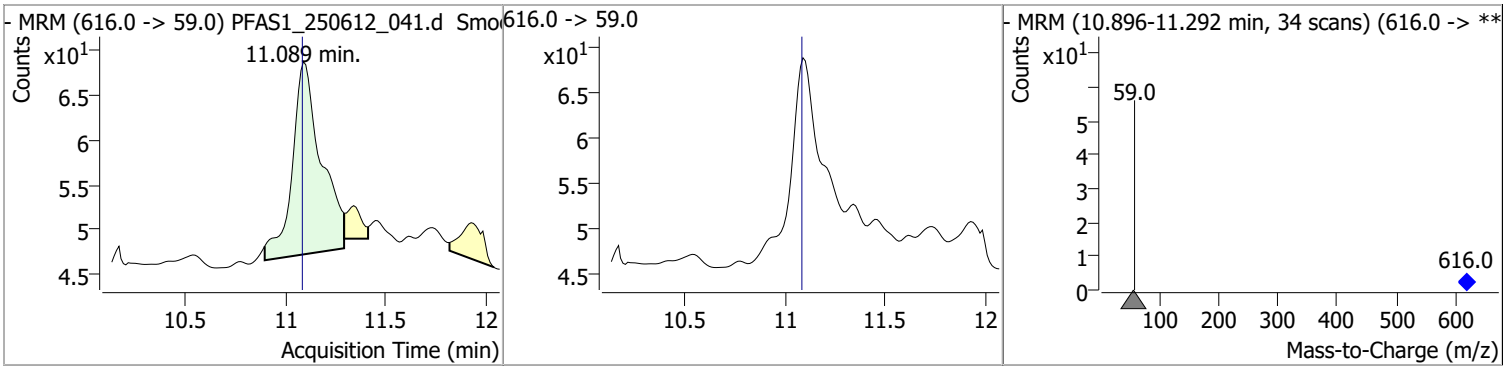




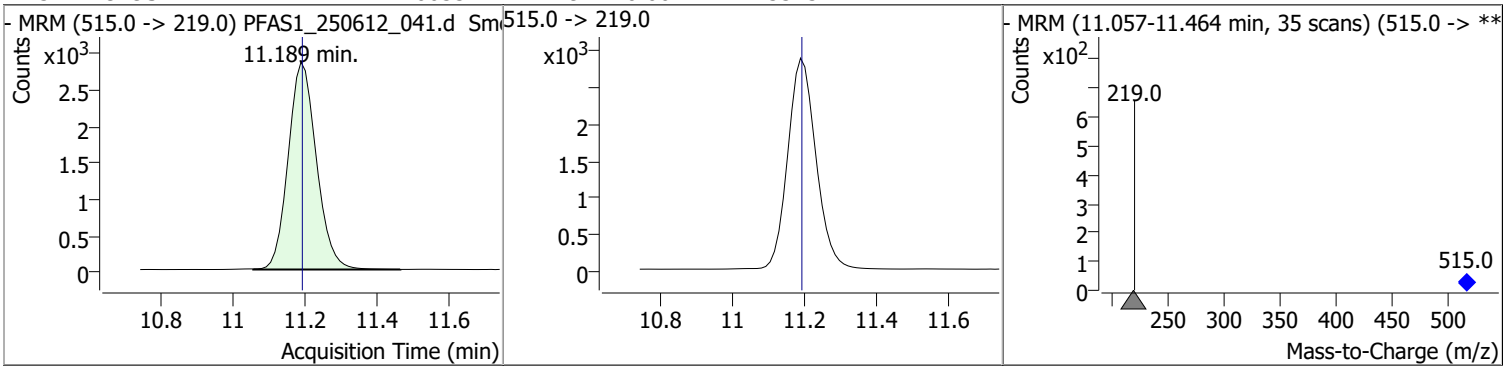
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	20.4561	11.05	0.00	233744				



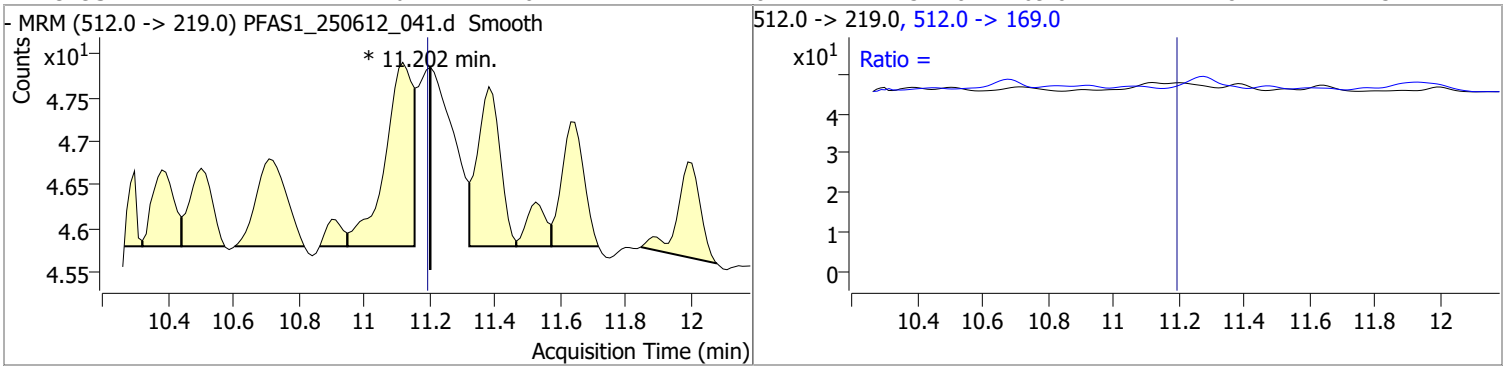
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	216				



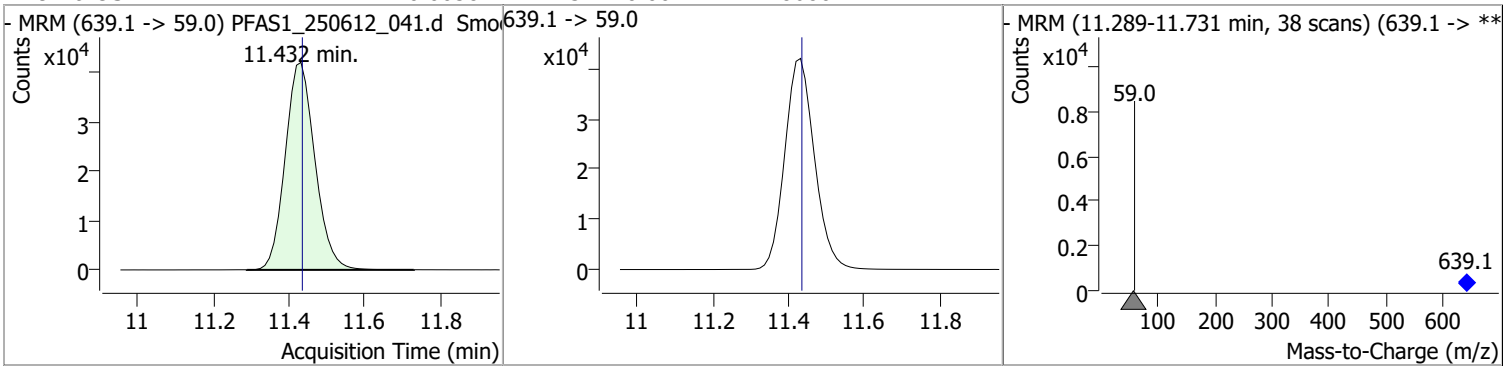
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0033	11.19	0.00	15343				



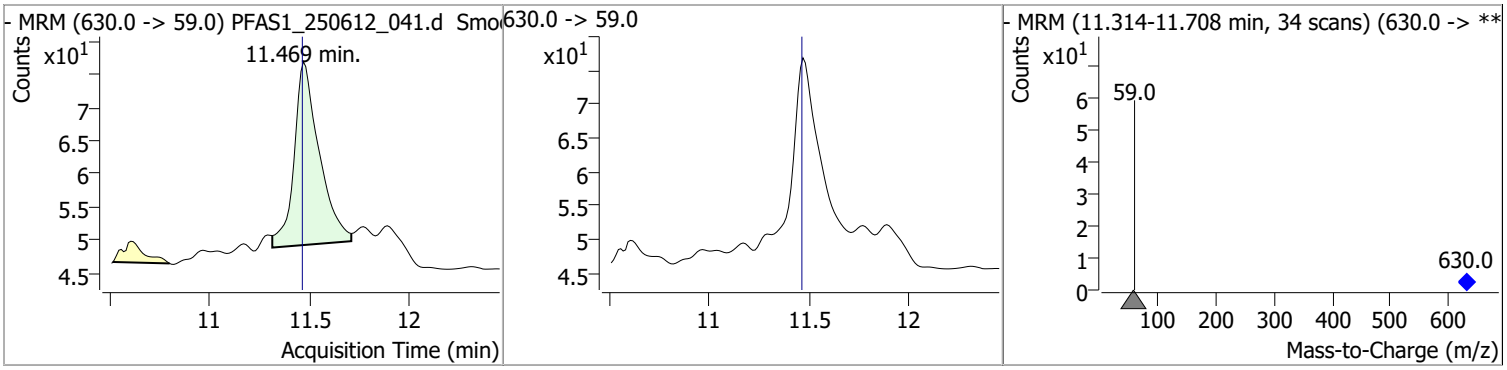
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



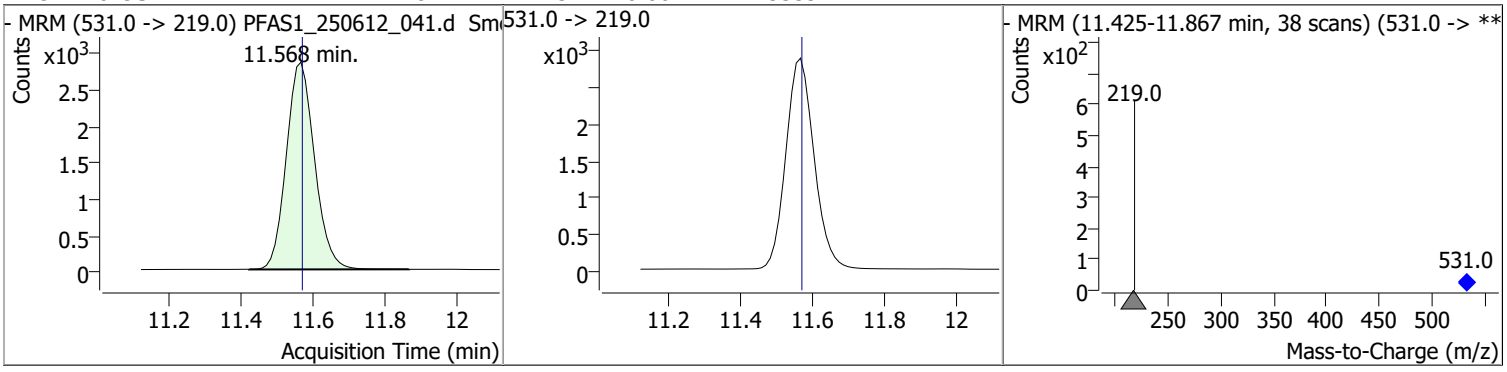
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0058	11.43	0.00	228680				



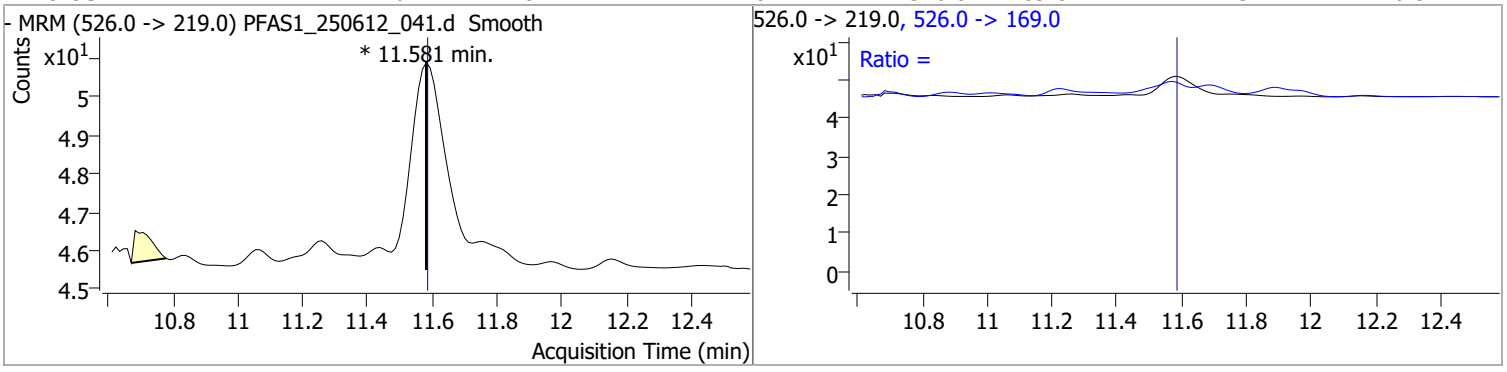
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	242				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.8227	11.57	0.00	15339				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_041.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:57:20 PM
Sample Name	O25F0365-02	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

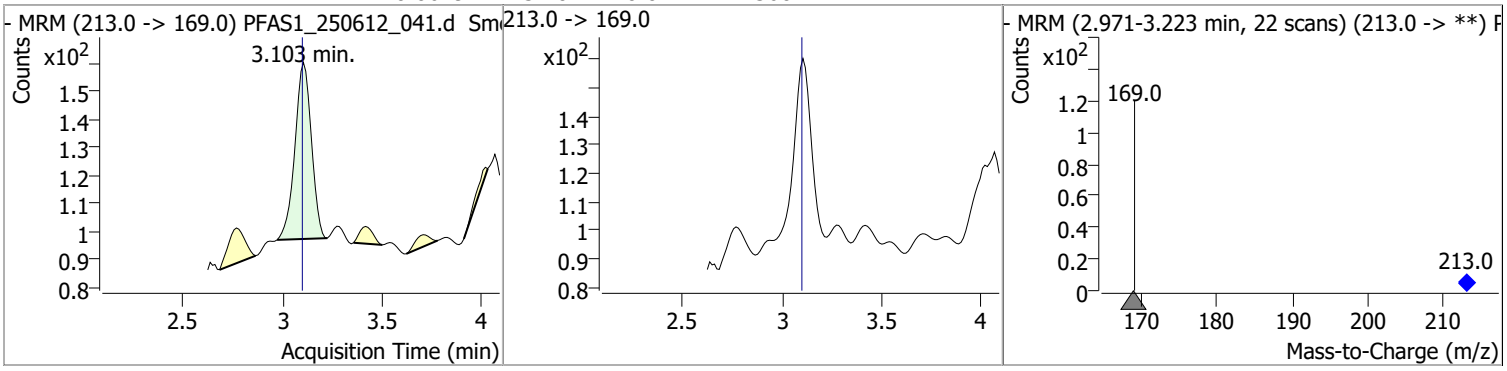
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	168087	5.0000	µg/L	6.265
13C2-PFHxA	5.479	315.0 -> 270.0	187207	2.5000	µg/L	4.775
18O2-PFHxS	6.796	403.0 -> 84.0	24328	2.5000	µg/L	3.520
13C4-PFOA	6.651	417.0 -> 172.0	21030	2.5000	µg/L	4.134
13C5-PFNA	7.125	468.0 -> 423.0	128582	1.2500	µg/L	7.440
13C2-PFDA	7.564	515.0 -> 470.0	129946	1.2500	µg/L	3.848
13C4-PFOS	7.745	503.0 -> 80.0	25970	2.5000	µg/L	4.022
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	249723	10.0000	µg/L	-31.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 64.35%		
13C4-PFBA	3.107	217.0 -> 172.0	249723	10.0000	µg/L	-31.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 64.35%		
13C5-PFPeA	4.594	268.0 -> 223.0	276894	5.0000	µg/L	2.643
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%		
13C5-PFPeA	4.594	268.0 -> 223.0	276894	5.0000	µg/L	2.643
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.00%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	21753	5.0000	µg/L	34.986
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 131.08%		
13C5-PFHxA	5.478	318.0 -> 273.0	190605	2.5000	µg/L	3.590
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.85%		
13C5-PFHxA	5.478	318.0 -> 273.0	190605	2.5000	µg/L	3.590
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.85%		
13C3-PFBS	5.494	302.0 -> 80.0	44291	2.5000	µg/L	3.903
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	223098	10.0000	µg/L	0.553
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.94%		
13C4-PFHpA	6.130	367.0 -> 322.0	222204	2.5000	µg/L	4.224
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.43%		
13C3-PFHxS	6.797	402.0 -> 80.0	26520	2.5000	µg/L	-1.711
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.99%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14052	5.0000	µg/L	24.609
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.84%		
13C8-PFOA	6.650	421.0 -> 376.0	230819	2.5000	µg/L	2.179
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.04%		
13C3-PFHxS	6.797	402.0 -> 80.0	26520	2.5000	µg/L	-1.711
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.99%		
13C9-PFNA	7.125	472.0 -> 427.0	128417	1.2500	µg/L	4.658
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.44%		
13C8-PFOS	7.744	507.0 -> 80.0	25587	2.5000	µg/L	3.408
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.45%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13667	5.0000	µg/L	11.045
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.34%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13667	5.0000	µg/L	11.045
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.34%		
13C6-PFDA	7.563	519.0 -> 474.0	134802	1.2500	µg/L	1.428

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.73%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	89805	5.0000	µg/L		-3.374
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.63%			
13C8-PFOS	7.744	507.0 -> 80.0	25587	2.5000	µg/L		3.408
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.45%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	69292	5.0000	µg/L		-7.041
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.19%			
13C7-PFUnDA	7.999	570.0 -> 525.0	114701	1.2500	µg/L		-0.574
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.77%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	83429	1.2500	µg/L		-15.732
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 81.08%			
13C2-PFDoDA	8.412	615.0 -> 570.0	92841	1.2500	µg/L		-7.391
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 89.11%			
13C2-PFTDA	9.185	715.0 -> 670.0	74016	1.2500	µg/L		-24.286
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 72.85%			
13C8-PFOSA	9.909	506.0 -> 78.0	52561	2.5000	µg/L		-3.900
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.19%			
2H7-MeFOSE	11.052	623.1 -> 59.0	233744	25.0000	µg/L		-14.912
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 81.82%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	15343	2.5000	µg/L		-16.401
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 80.13%			
2H9-EtFOSE	11.432	639.1 -> 59.0	228680	25.0000	µg/L		-16.775
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.02%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15339	2.5000	µg/L		-24.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 72.91%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	360	0.0679	µg/L		100
PFMPA	3.782	229.0 -> 85.0	21	0.0376	µg/L		100
3-3 FTCA	4.467	241.0 -> 177.0	38	0.0658	µg/L		86
PFPeA	4.596	263.0 -> 219.0	511	0.0396	µg/L	#	100
PFMBA	4.910	279.0 -> 85.0	24	0.0438	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	16	0.0062	µg/L		41
NFDHA	5.424	295.0 -> 201.0	17	0.0000	µg/L	#	1
PFHxA	5.480	313.0 -> 269.0	419	0.0121	µg/L	#	93
PFBS	5.507	298.9 -> 80.0	79	0.0000	µg/L		81
HFPO-DA	5.736	285.0 -> 169.0	99	0.0134	µg/L	#	1
PFEESA	5.919	314.9 -> 135.0	37	0.0000	µg/L		80
5-3 FTCA	6.120	341.0 -> 237.0	39	0.6566	µg/L		96
PFHpA	6.142	363.0 -> 319.0	575	0.0254	µg/L	#	74
PFPeS	6.229	348.9 -> 80.0	17	0.0159	µg/L	#	1
DONA	6.320	377.0 -> 251.0	104	0.0438	µg/L		46
6-2 FTSA	6.448	427.0 -> 407.0	99	0.0000	µg/L	#	80
PFOA	6.651	413.0 -> 369.0	1350	0.0249	µg/L		89
PFHxS	6.798	398.9 -> 80.0	163	0.0081	µg/L	#	75
PFNA	7.126	463.0 -> 419.0	634	0.0185	µg/L	#	81
PFHpS	7.390	448.9 -> 80.0	36	0.0019	µg/L	#	7
8-2 FTSA	7.373	527.0 -> 507.0	26	0.0175	µg/L		47
7-3 FTCA	0.000		0	N.D.			
PFDA	7.576	513.0 -> 469.0	348	0.0205	µg/L	#	87
N-MeFOSAA	7.432	570.0 -> 419.0	40	0.0000	µg/L	#	1
PFOS	7.746	498.9 -> 80.0	291	0.0000	µg/L		91
N-EtFOSAA	7.939	584.0 -> 419.0	88	0.0164	µg/L	#	1
PFUnDA	8.000	563.0 -> 519.0	100	0.0121	µg/L		94
9Cl-PF3ONS	8.122	530.9 -> 350.9	84	0.0021	µg/L		44

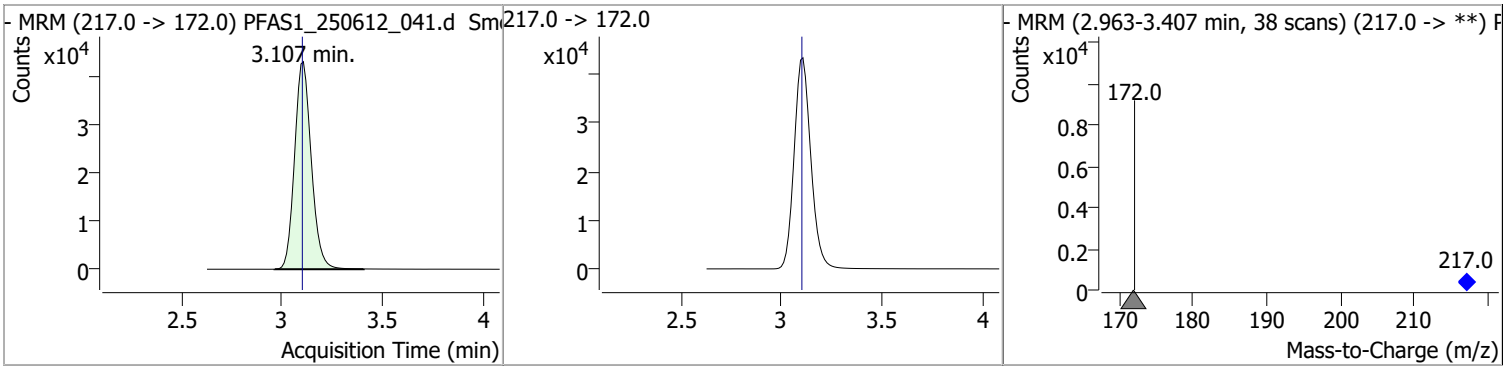
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.133	548.9 -> 80.0	4	0.0000	µg/L	#	68
PFDoDA	8.424	613.0 -> 569.0	415	0.0109	µg/L	#	84
PFDS	8.606	598.9 -> 80.0	16	0.0177	µg/L	#	51
PFTrDA	8.829	663.0 -> 619.0	144	0.0175	µg/L		72
11Cl-PF3OUdS	8.975	630.9 -> 450.9	91	0.0120	µg/L		42
PFTDA	0.000		0	N.D.			
PFDoS	9.392	698.9 -> 80.0	6	0.0203	µg/L	#	44
PFOSA	9.912	497.9 -> 78.0	187	0.0144	µg/L		99
MeFOSE	11.089	616.0 -> 59.0	216	0.0000	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	16	0.0042	µg/L	#	15
EtFOSE	11.469	630.0 -> 59.0	242	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	39	0.0253	µg/L		71

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

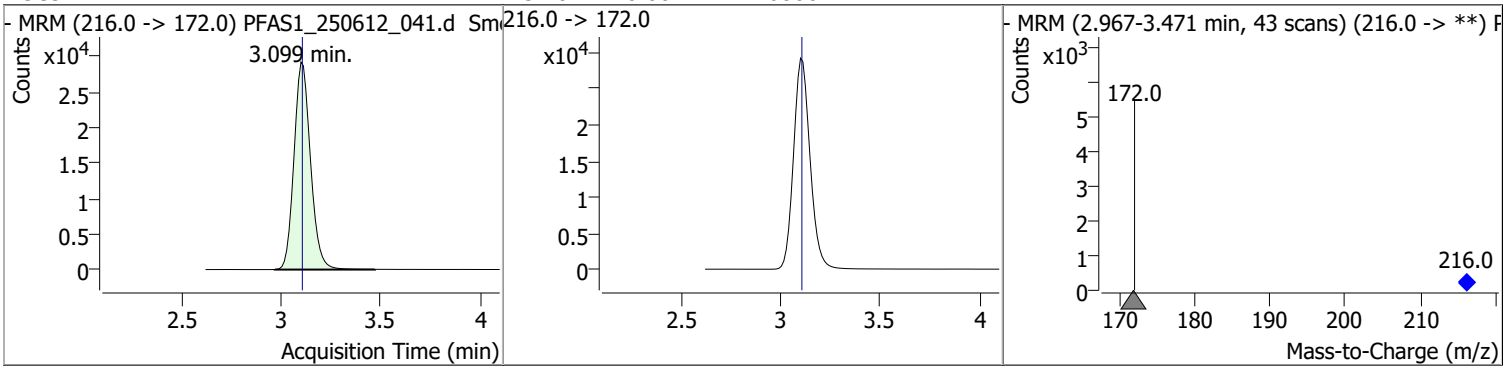
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0679	3.10	0.01	360				



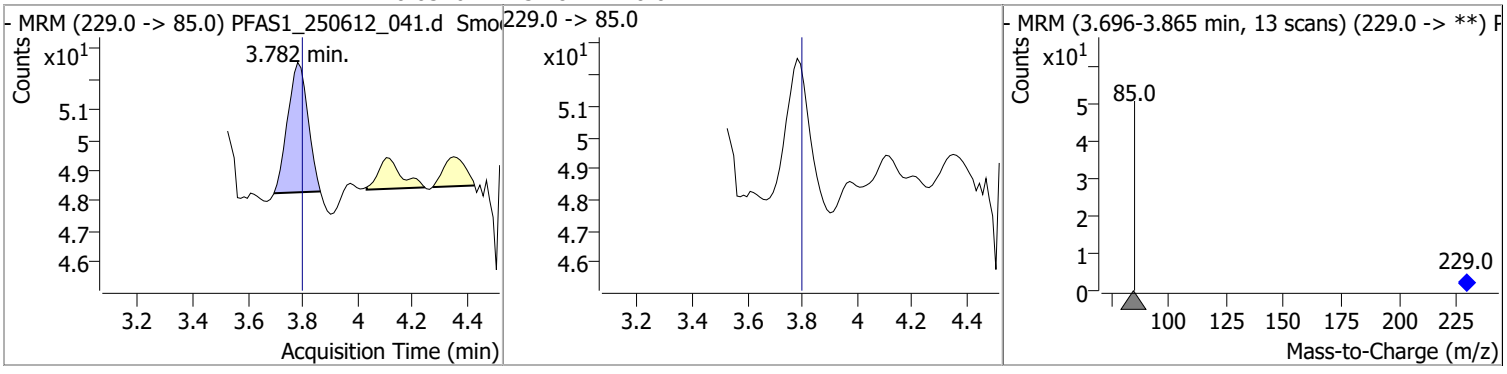
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	6.4348	3.11	0.01	249723				



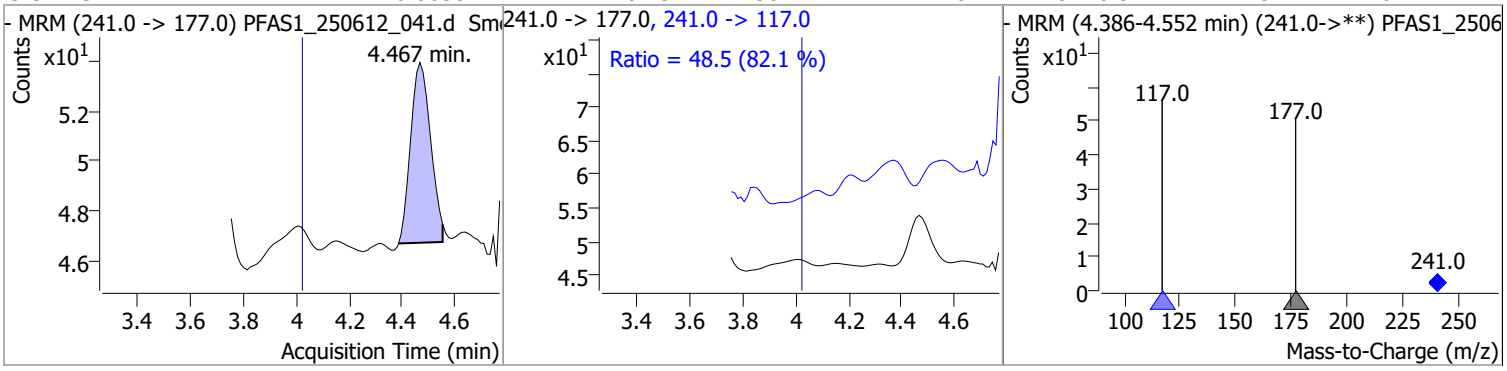
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	168087				



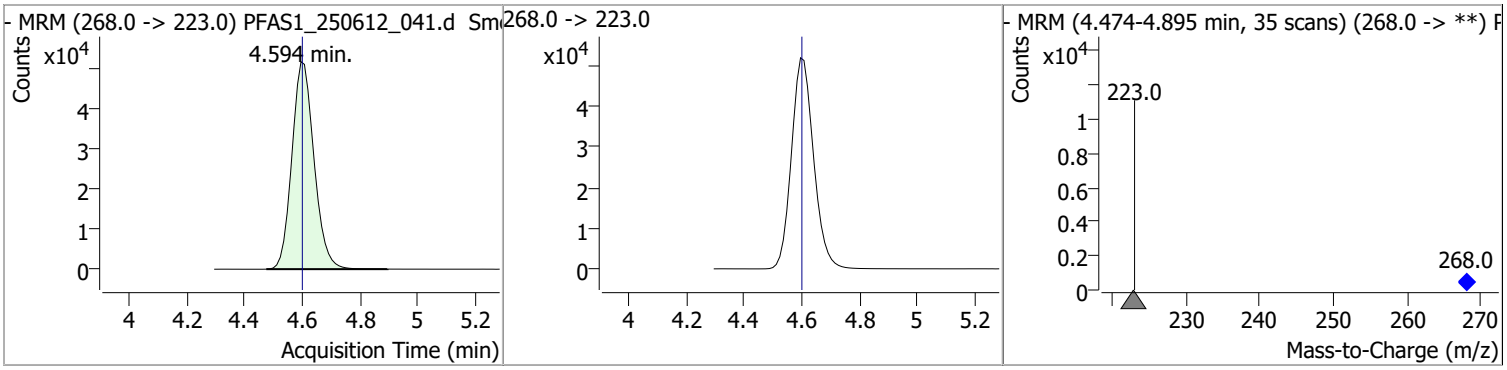
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0376	3.78	-0.01	21				



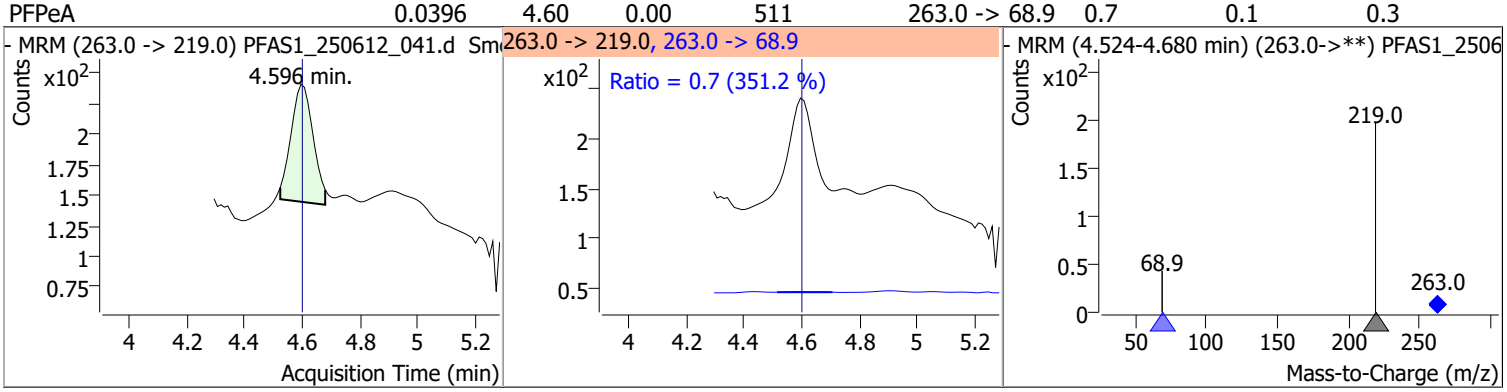
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0658	4.47	0.45	38	241.0 -> 117.0	48.5	41.3	76.7



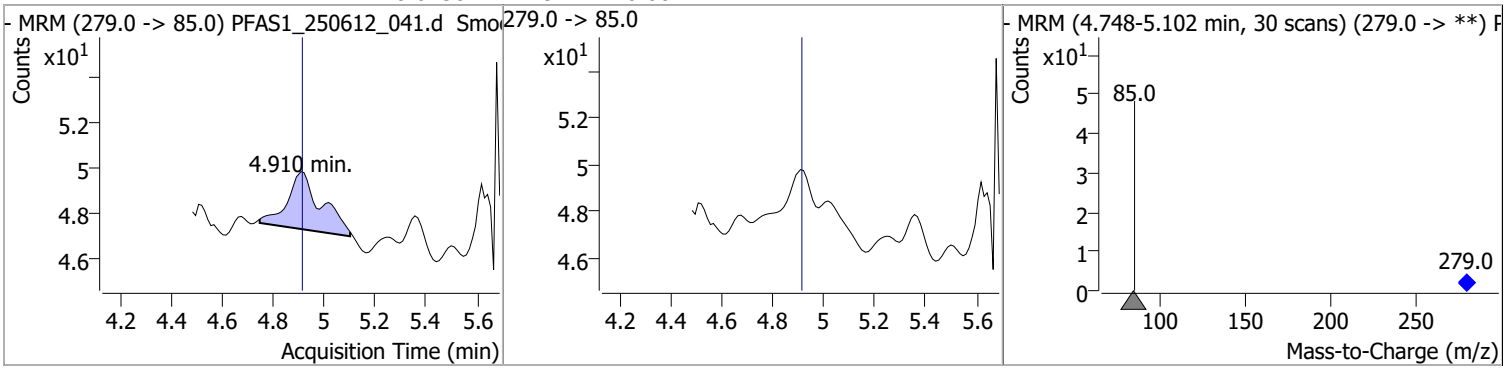
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8999	4.59	0.00	276894				



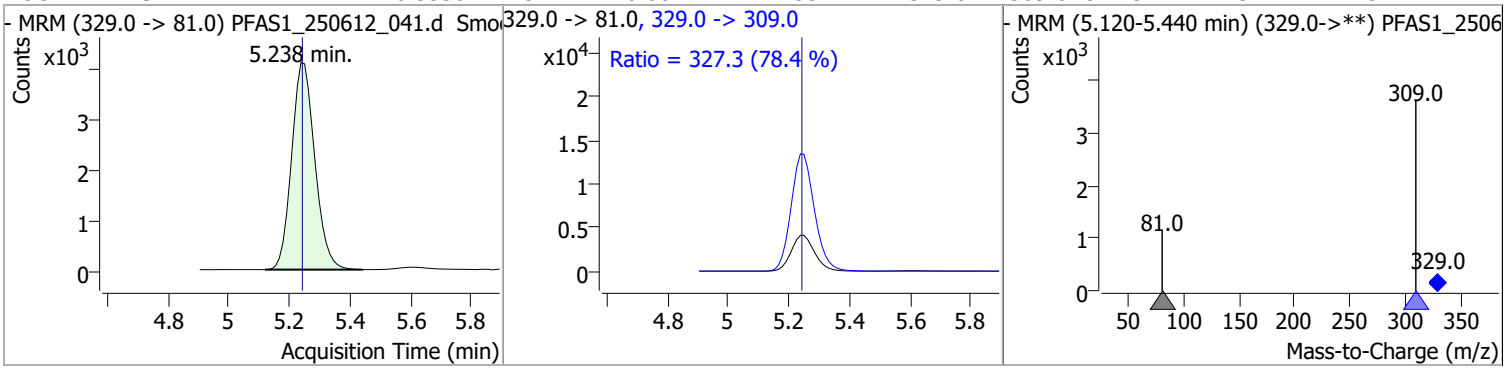
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0396	4.60	0.00	511	263.0 -> 68.9	0.7	0.1	0.3



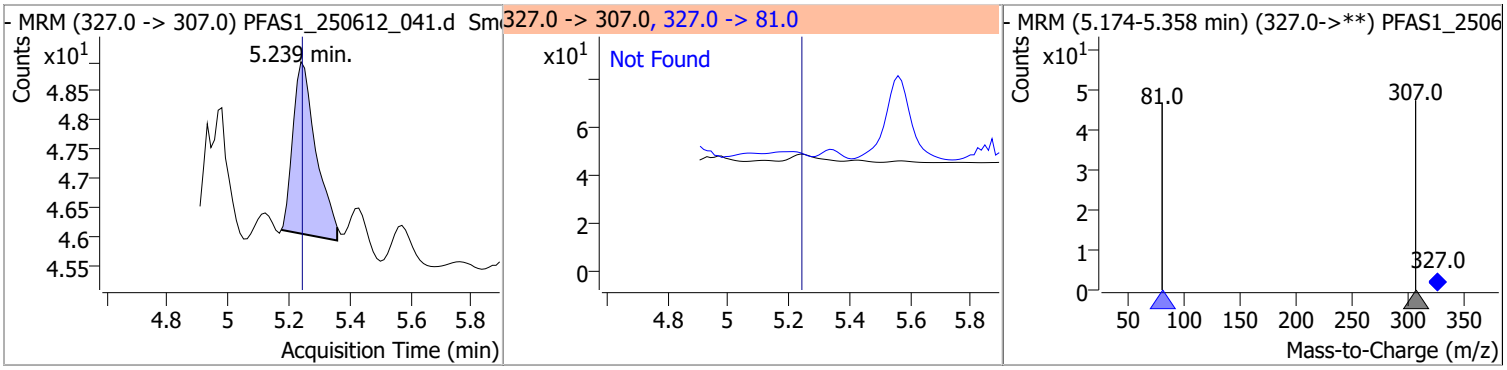
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0438	4.91	0.00	24				



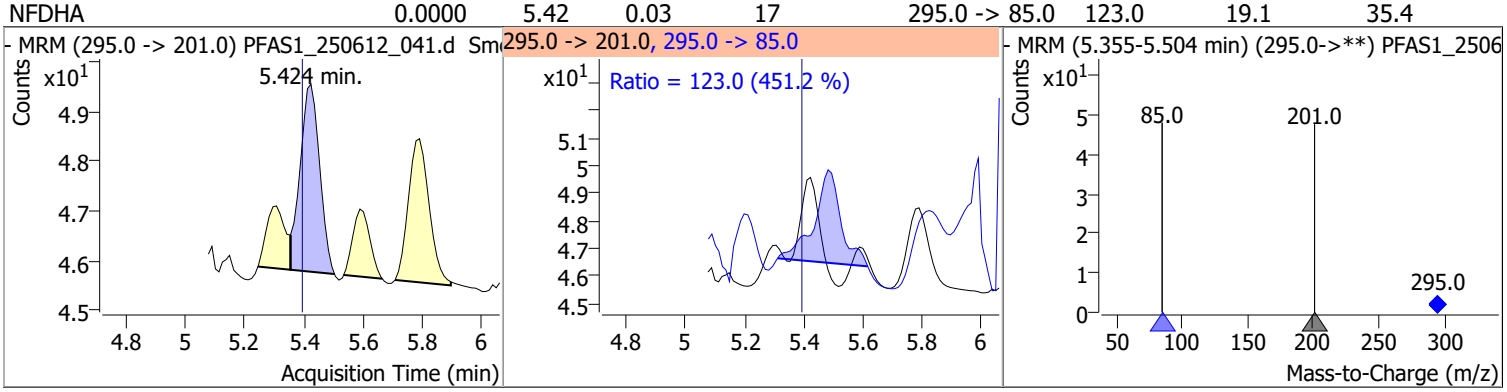
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.5538	5.24	0.00	21753	329.0 -> 309.0	327.3	292.1	542.4



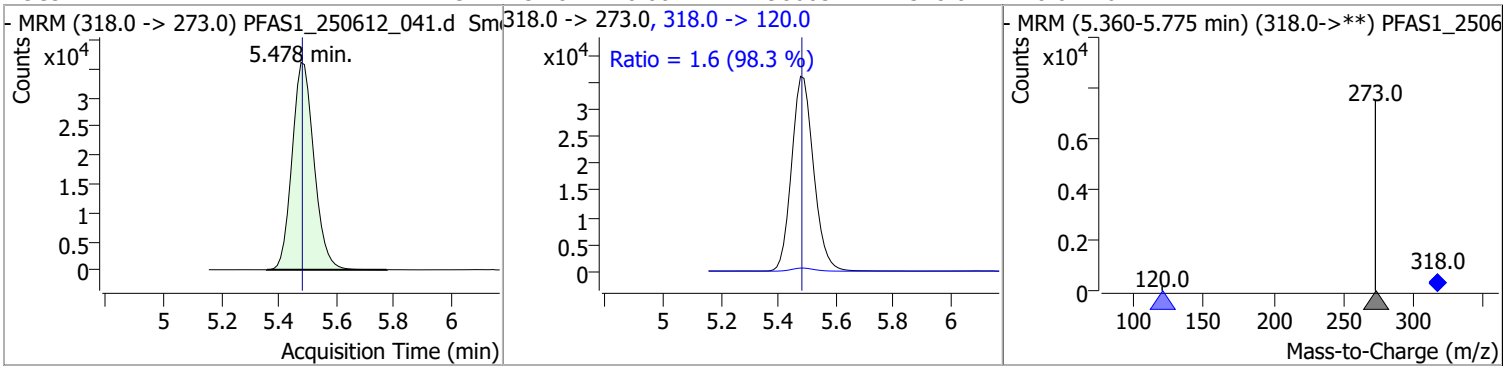
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0062	5.24	0.00	16	327.0 -> 81.0		23.6	43.9



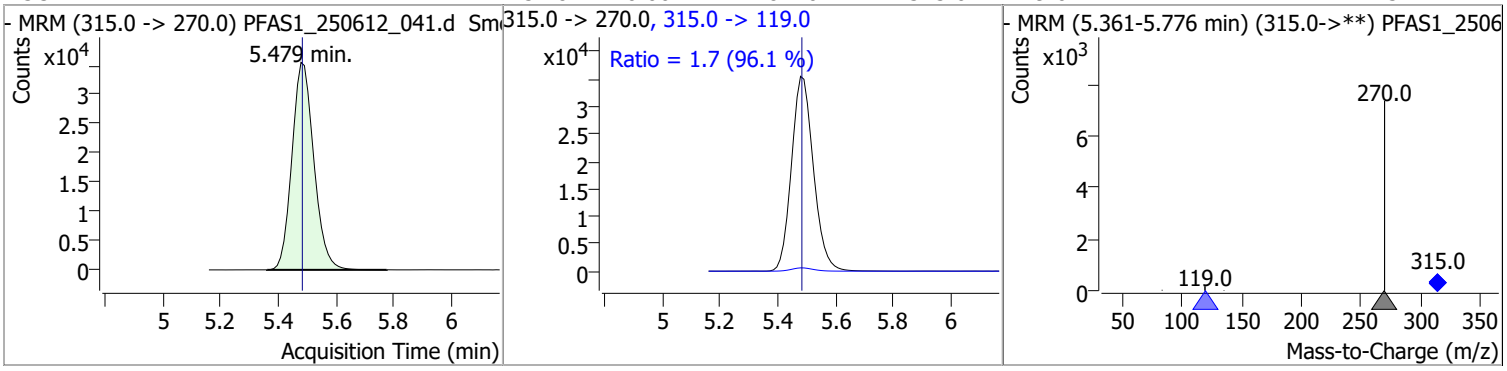
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.42	0.03	17	295.0 -> 85.0	123.0	19.1	35.4



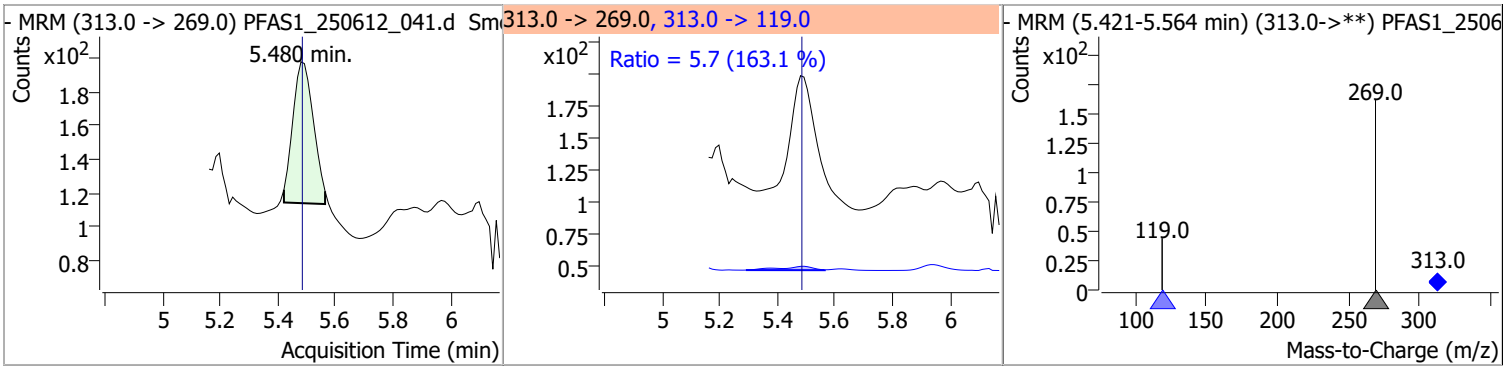
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4713	5.48	0.00	190605	318.0 -> 120.0	1.6	1.1	2.1



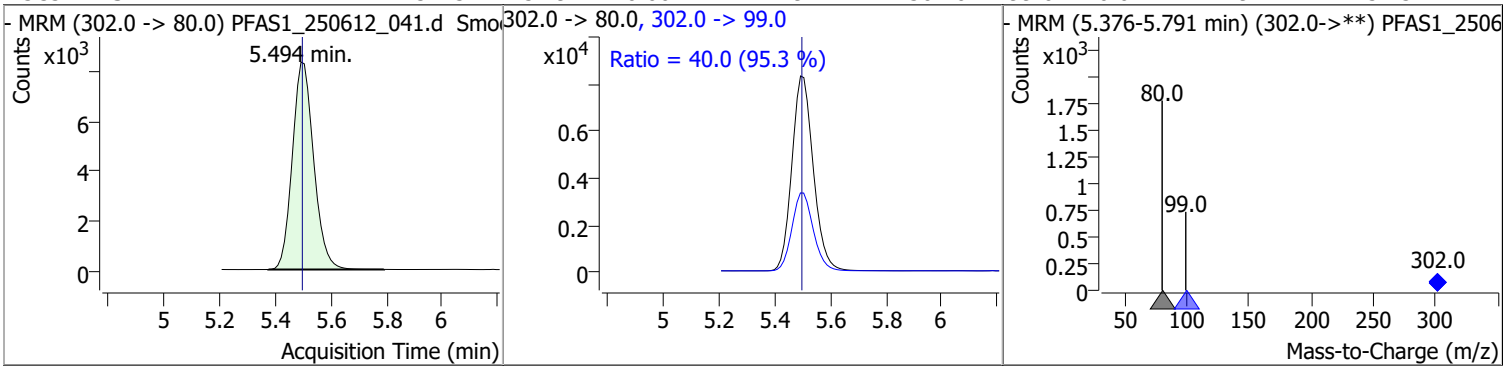
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	187207	315.0 -> 119.0	1.7	1.2	2.3



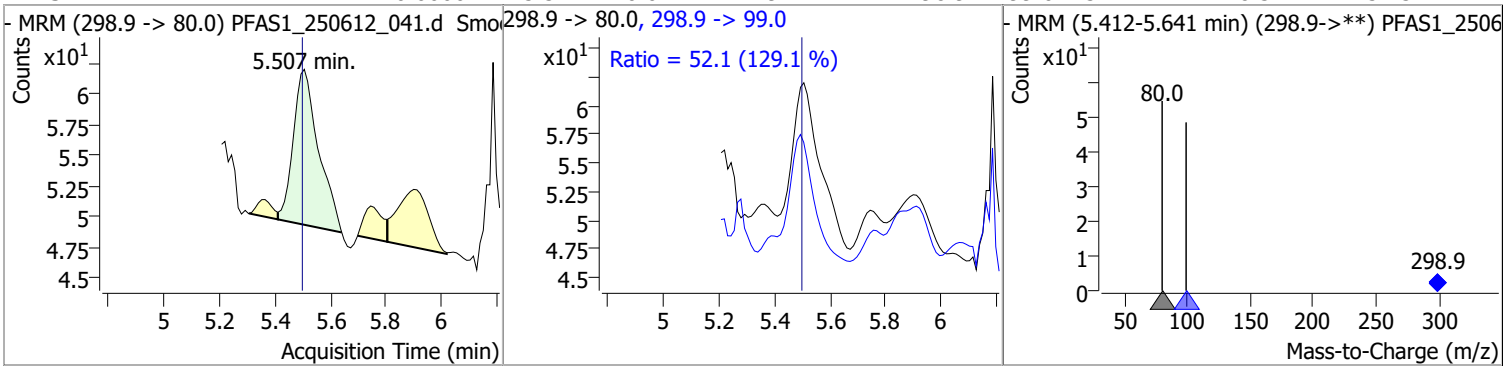
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0121	5.48	0.00	419	313.0 -> 119.0	5.7	2.4	4.5



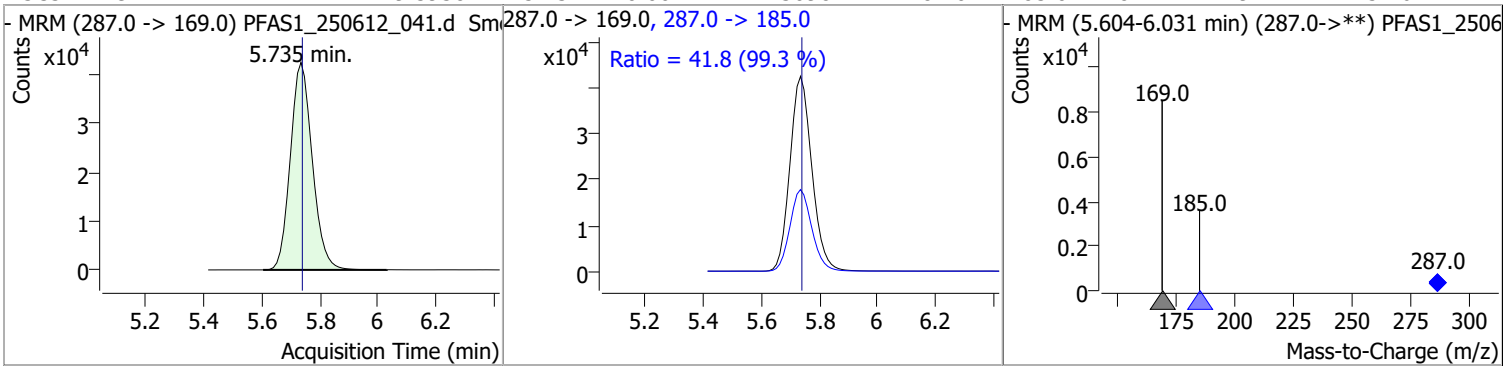
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5143	5.49	0.00	44291	302.0 -> 99.0	40.0	29.4	54.5



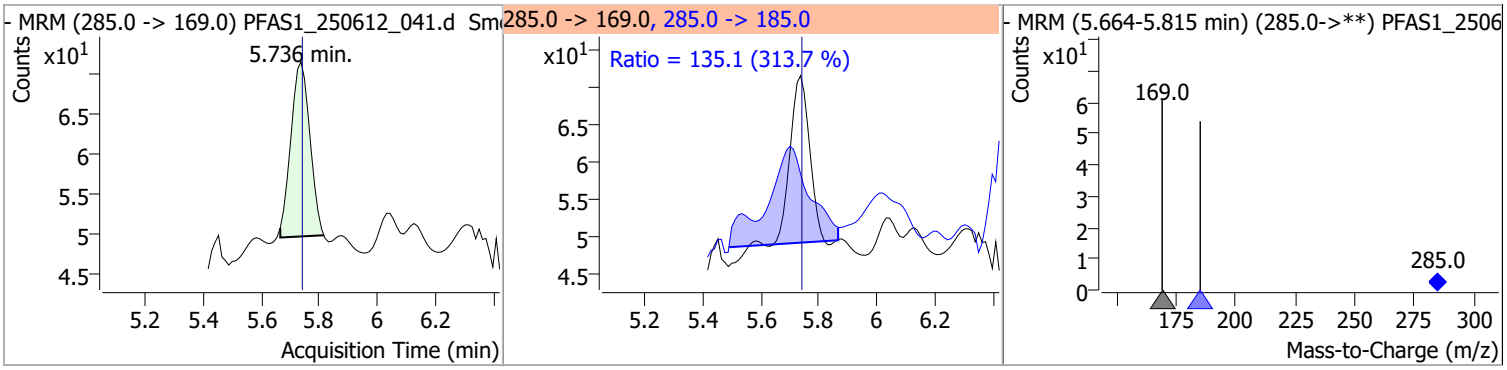
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.51	0.01	79	298.9 -> 99.0	52.1	28.3	52.5



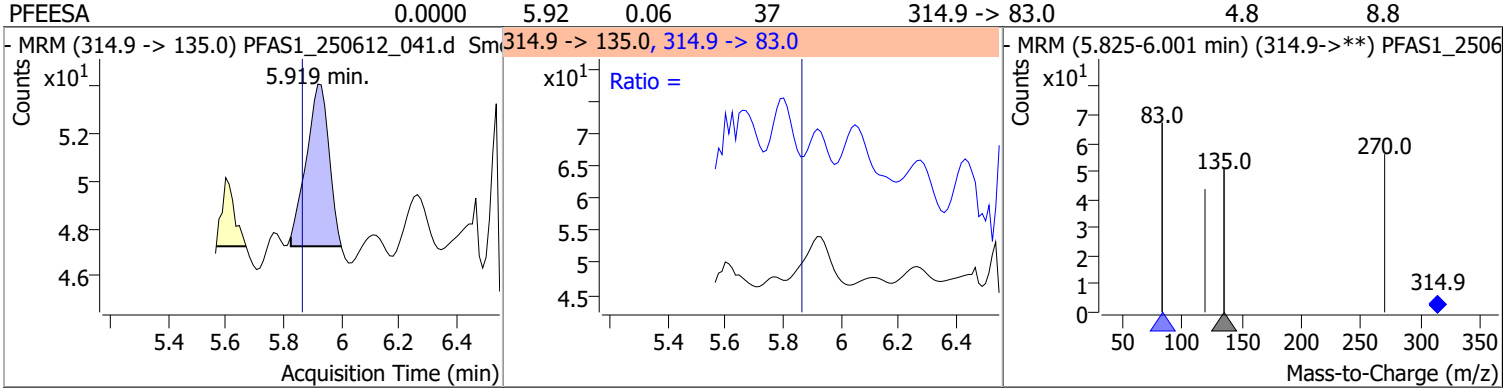
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5938	5.73	0.00	223098	287.0 -> 185.0	41.8	29.4	54.6



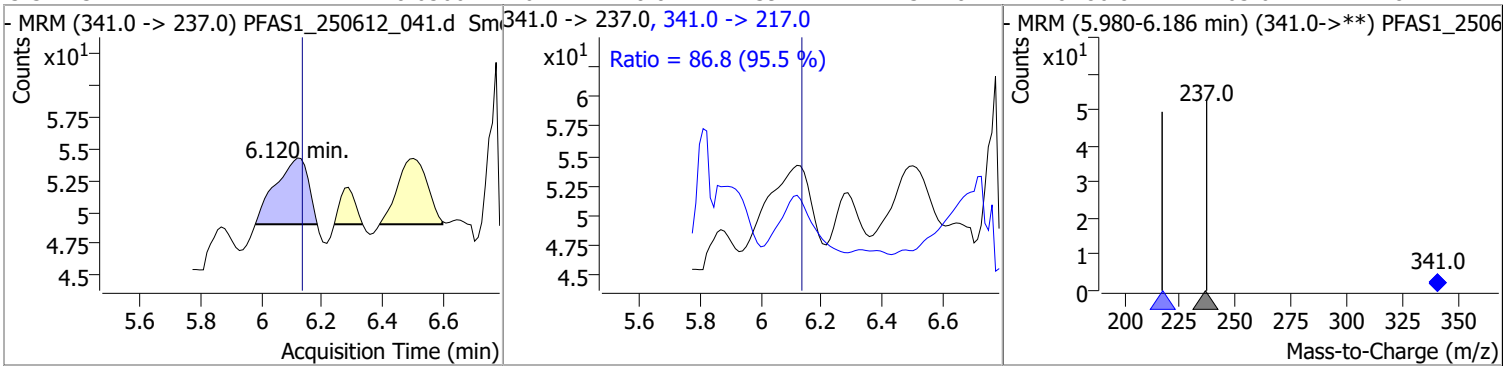
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0134	5.74	0.00	99	285.0 -> 185.0	135.1	30.1	56.0



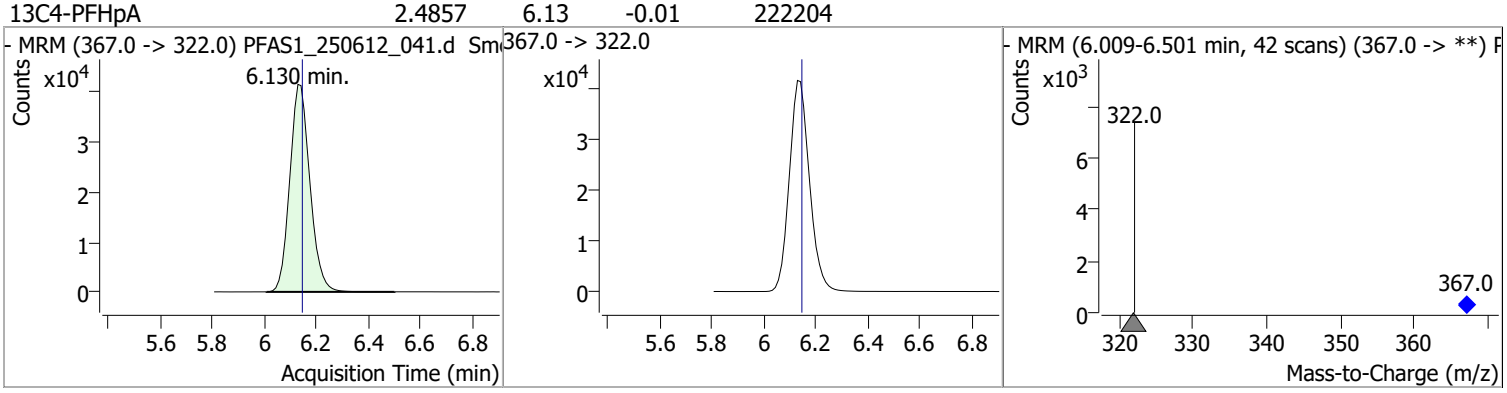
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.92	0.06	37	314.9 -> 83.0		4.8	8.8



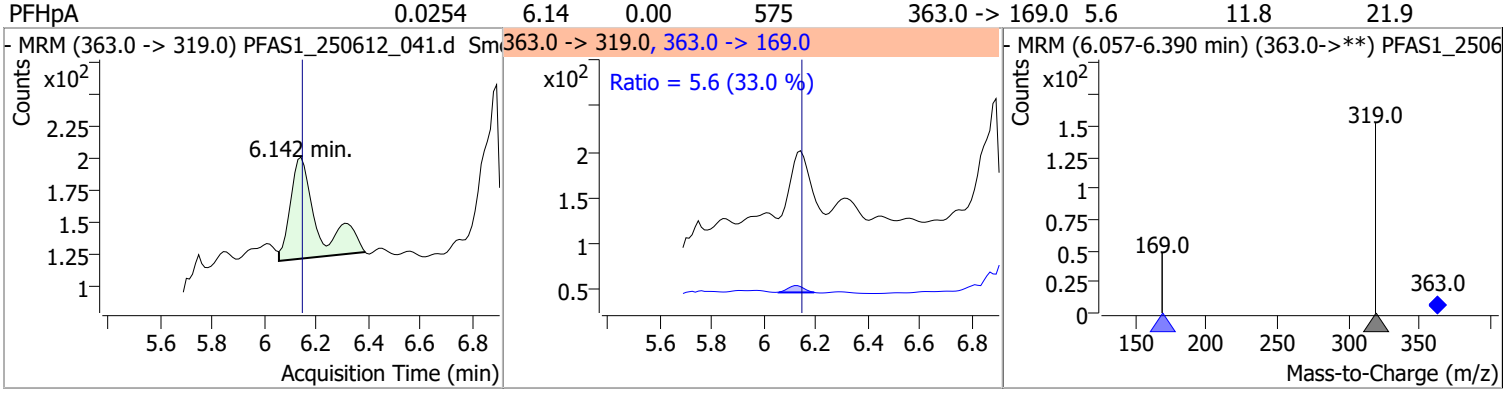
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6566	6.12	-0.01	39	341.0 -> 217.0	86.8	63.6	118.1



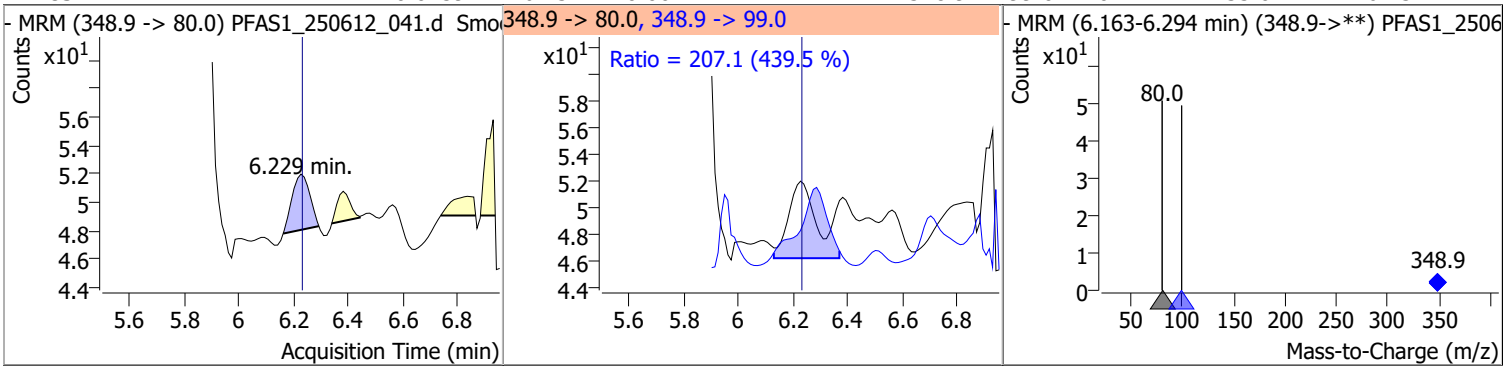
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4857	6.13	-0.01	222204				



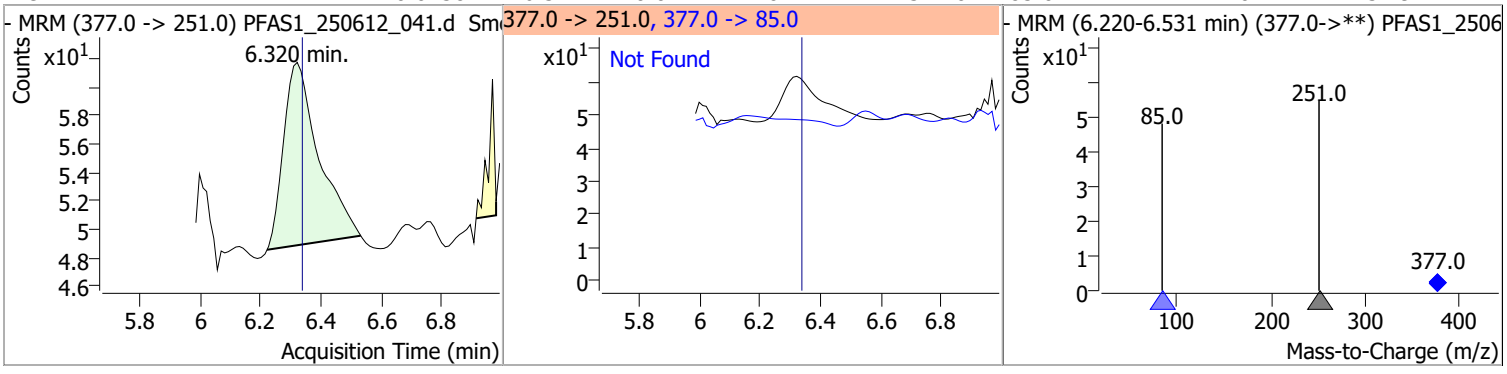
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0254	6.14	0.00	575	363.0 -> 169.0	5.6	11.8	21.9



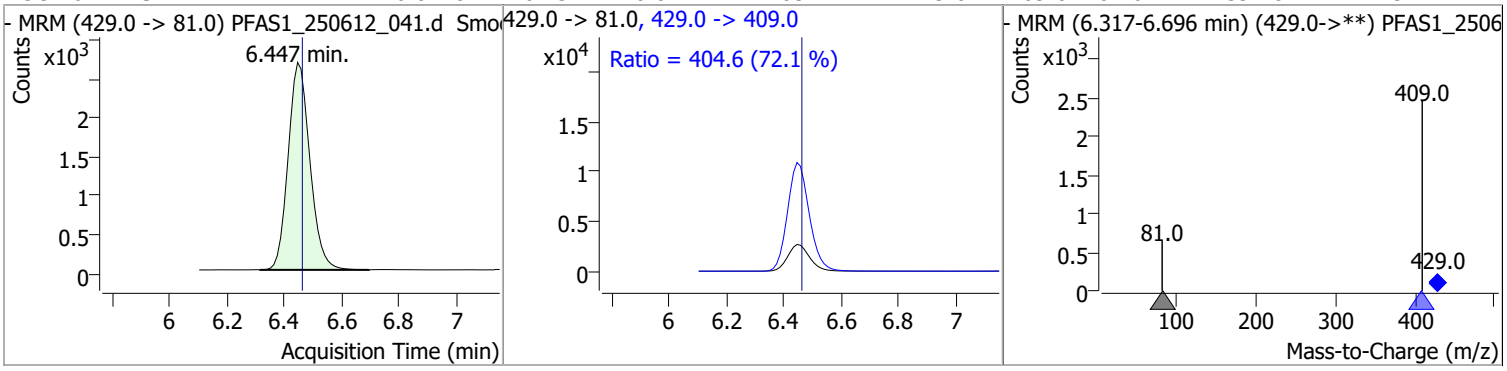
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0159	6.23	0.00	17	348.9 -> 99.0	207.1	33.0	61.3



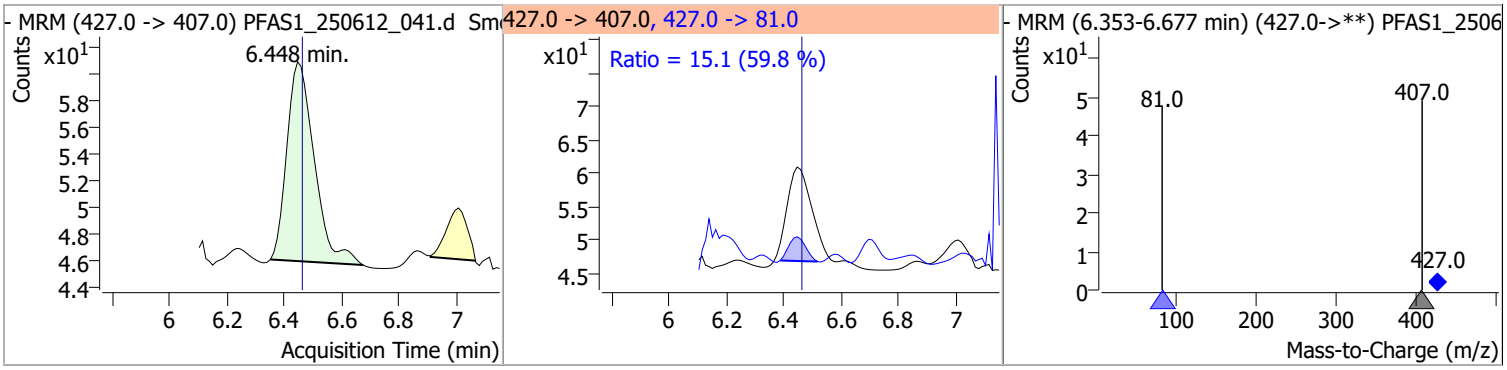
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0438	6.32	-0.01	104	377.0 -> 85.0		20.4	37.9



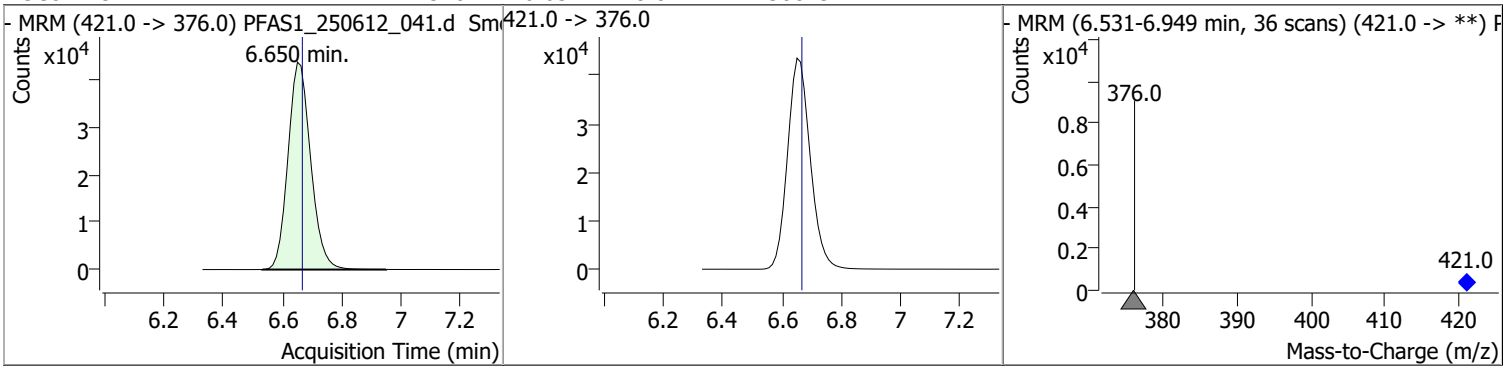
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	6.0418	6.45	-0.01	14052	429.0 -> 409.0	404.6	392.8	729.4



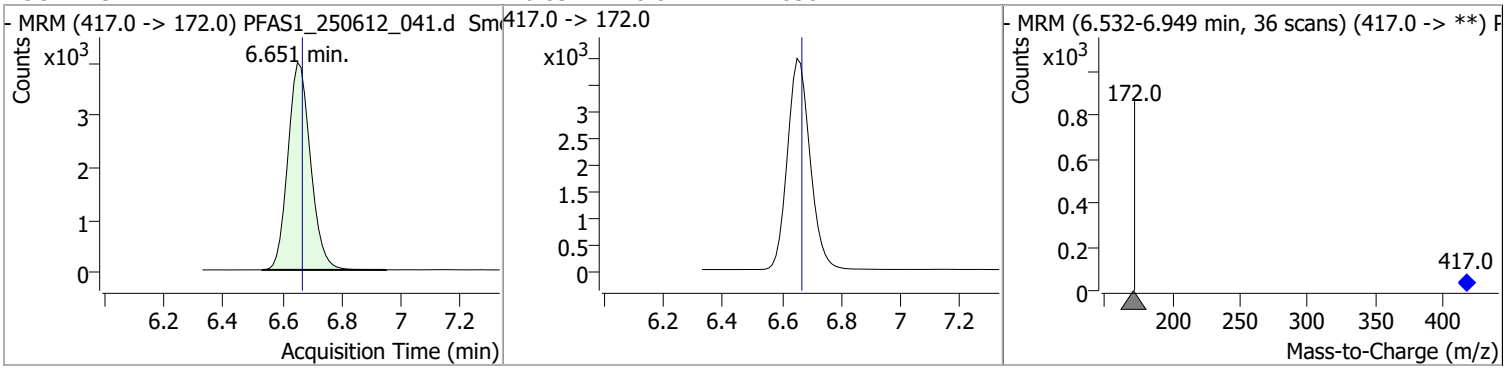
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	99	427.0 -> 81.0	15.1	17.7	32.8



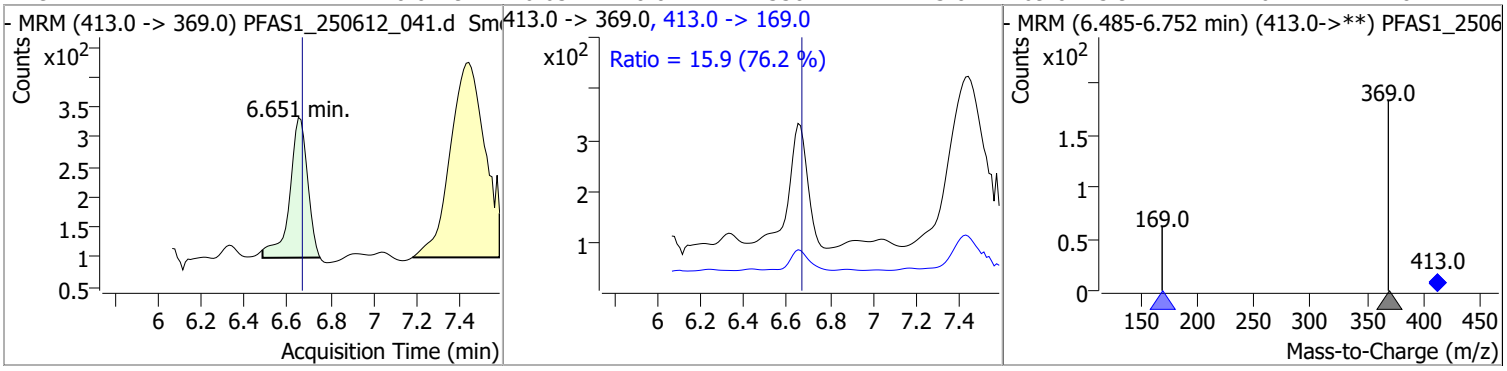
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4510	6.65	-0.01	230819				



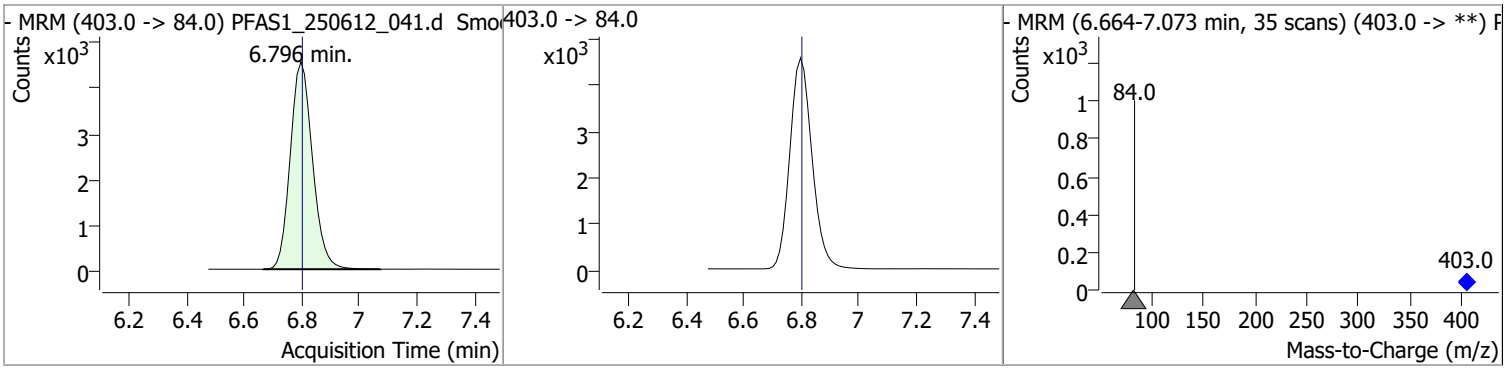
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	21030				



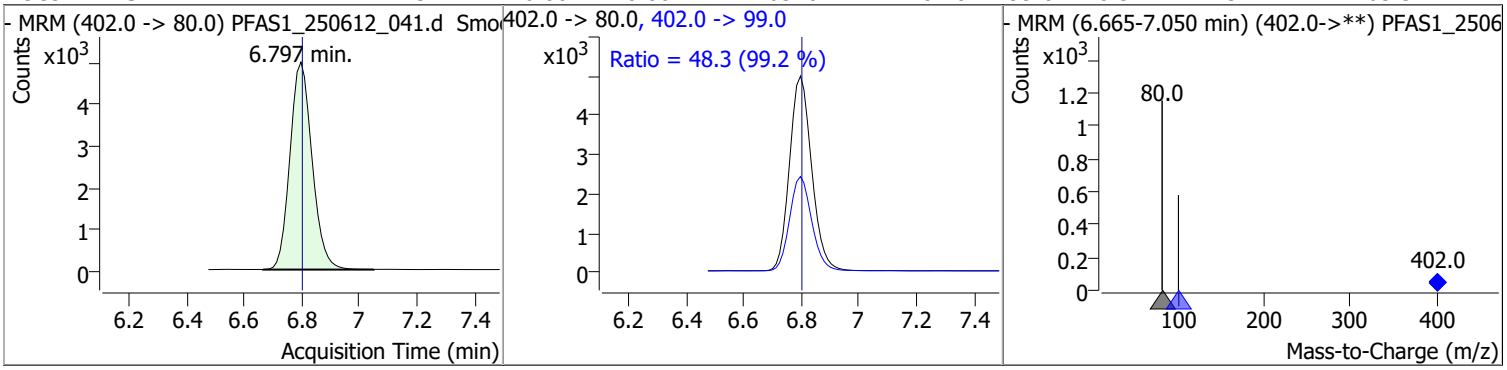
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0249	6.65	-0.01	1350	413.0 -> 169.0	15.9	14.6	27.0



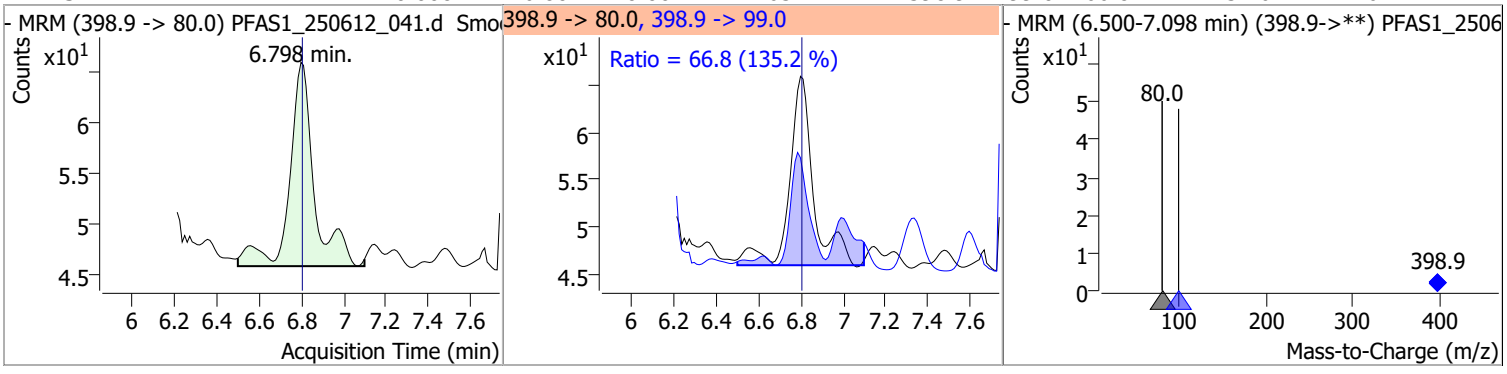
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24328				



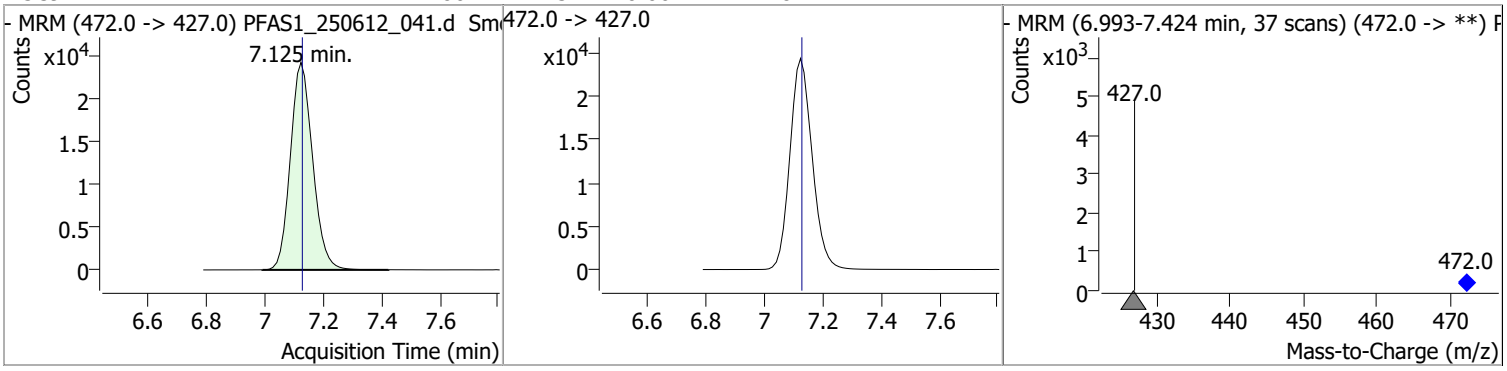
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3747	6.80	0.00	26520	402.0 -> 99.0	48.3	34.1	63.3



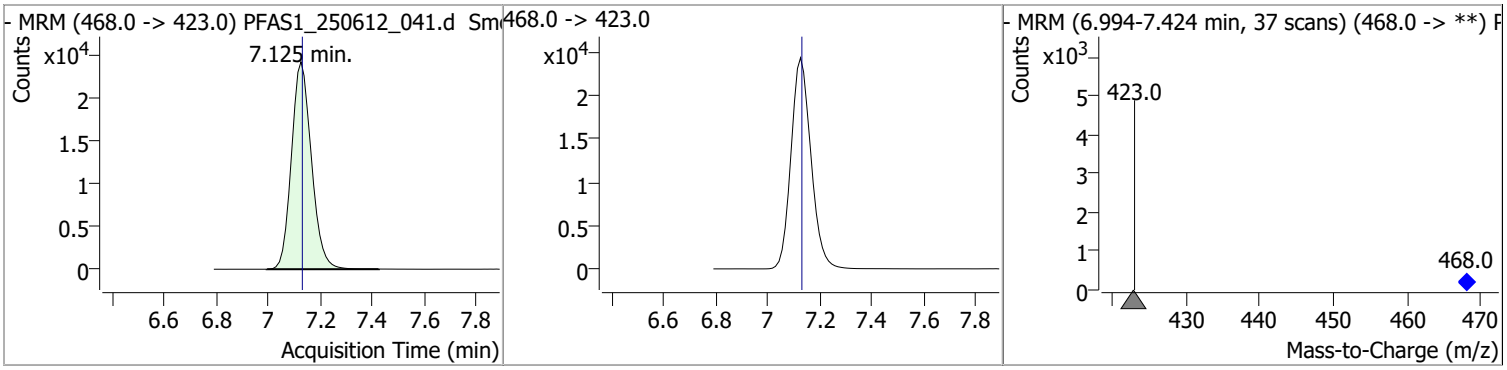
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0081	6.80	0.00	163	398.9 -> 99.0	66.8	34.6	64.2



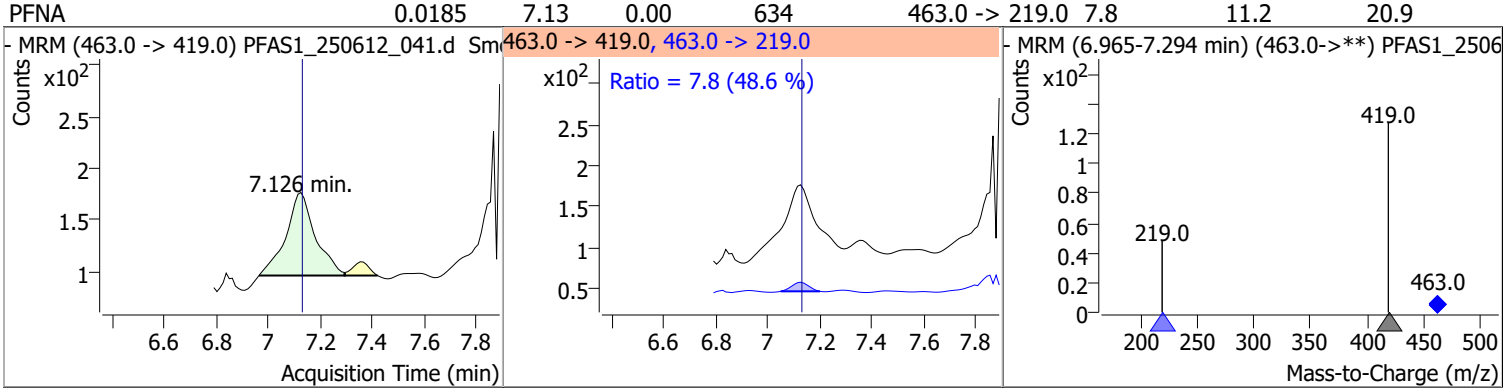
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2180	7.13	0.00	128417				



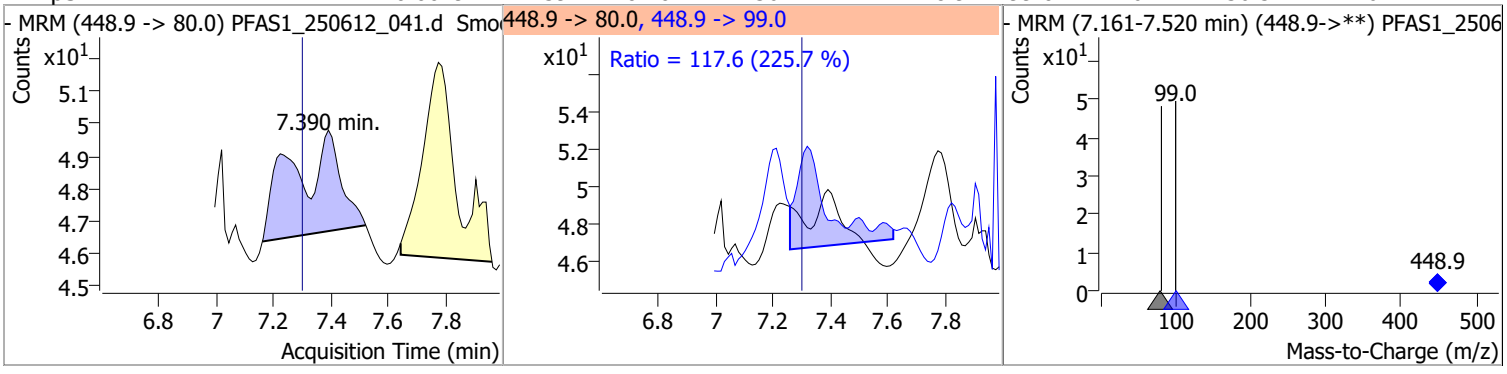
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128582				



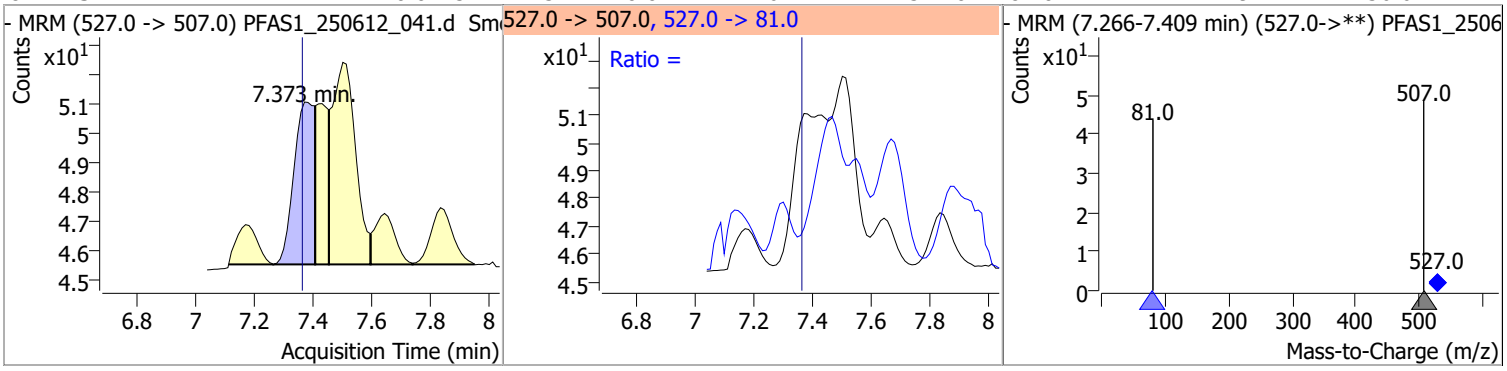
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0185	7.13	0.00	634	463.0 -> 219.0	7.8	11.2	20.9



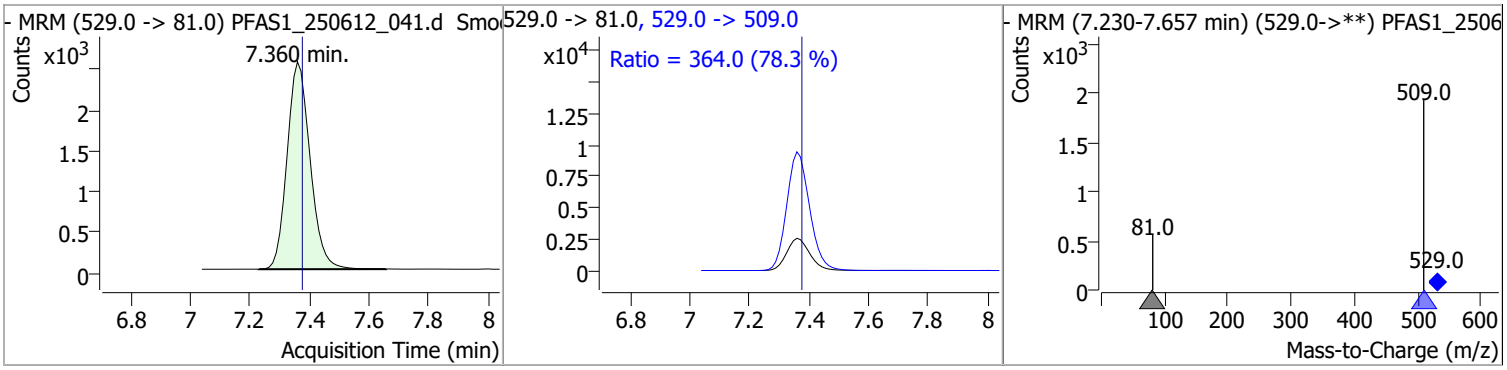
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0019	7.39	0.10	36	448.9 -> 99.0	117.6	36.5	67.7



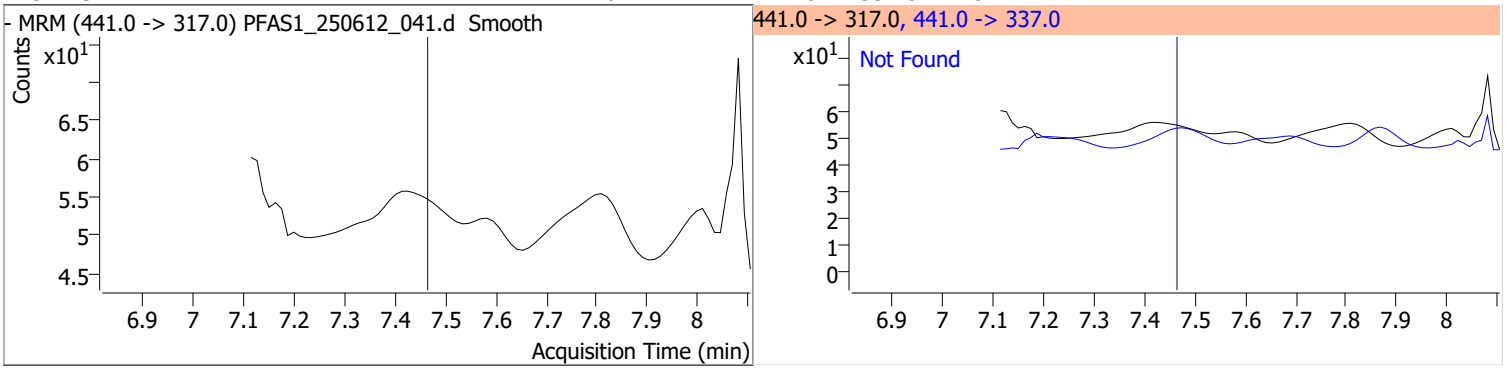
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0175	7.37	0.01	26	527.0 -> 81.0		19.7	36.6



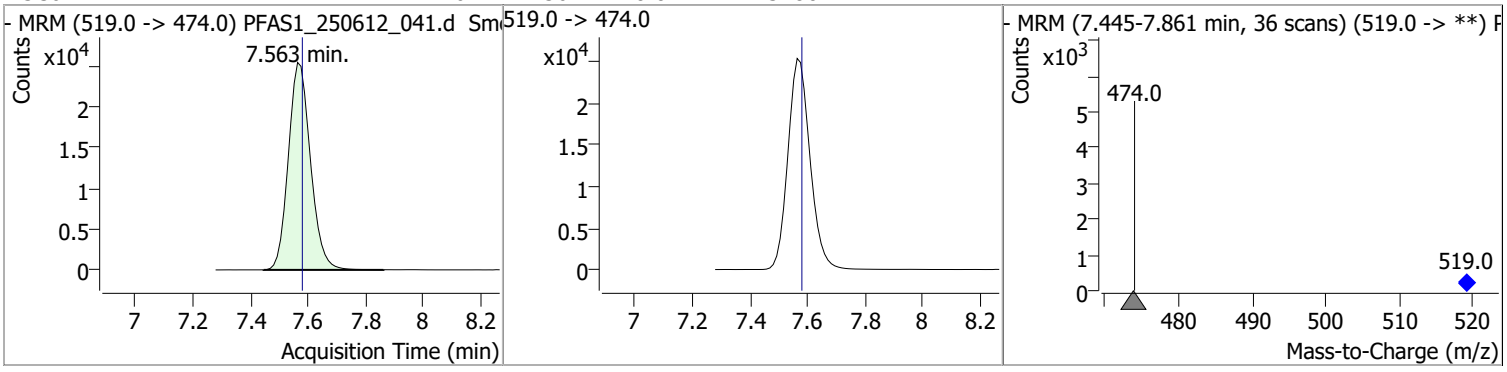
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3668	7.36	-0.01	13667	529.0 -> 509.0	364.0	325.6	604.6



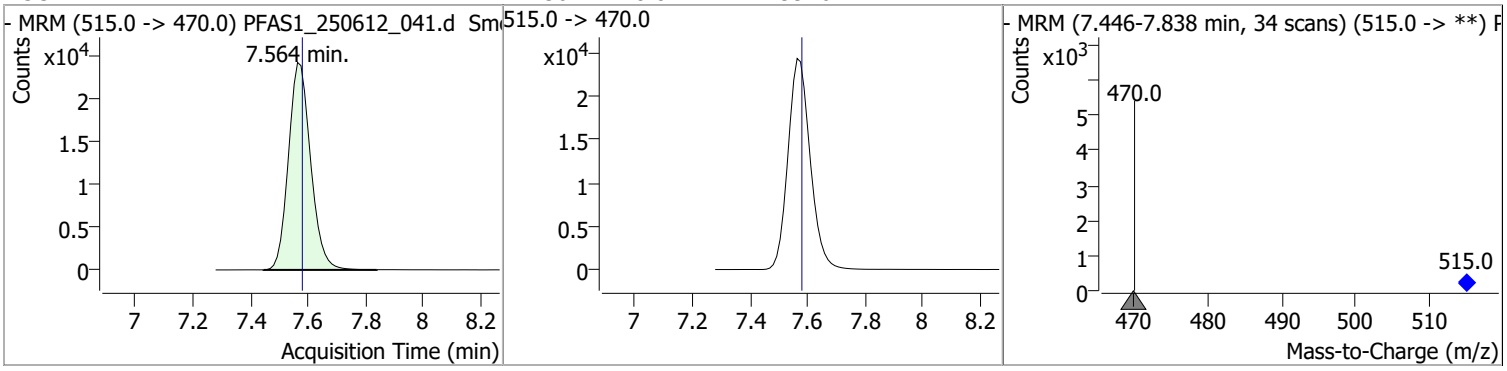
Compound	Conc.	Exp RT	QIon	Exp Ratio
7-3 FTCA	N.D.	7.46	441.0 -> 337.0	110.2



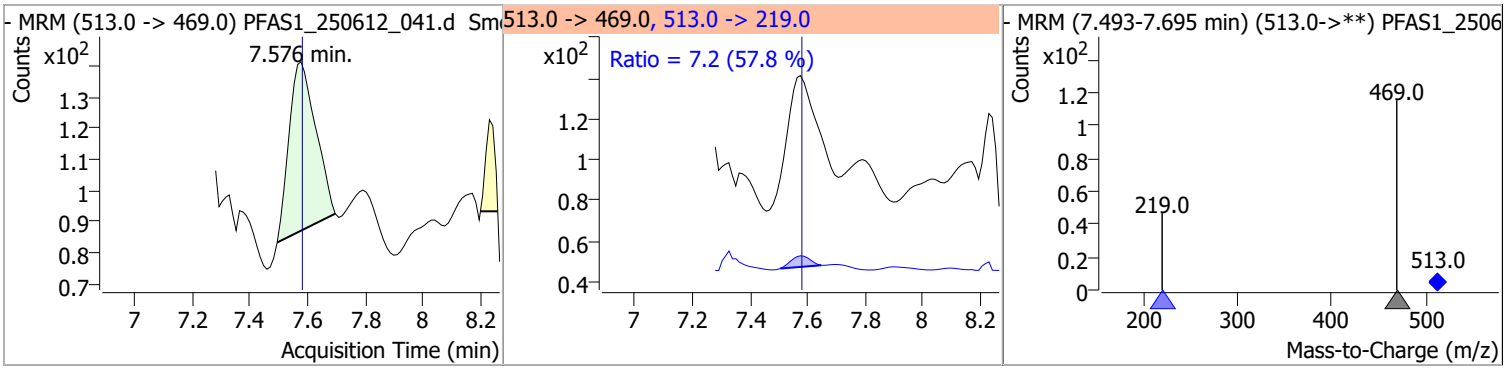
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2216	7.56	-0.01	134802				



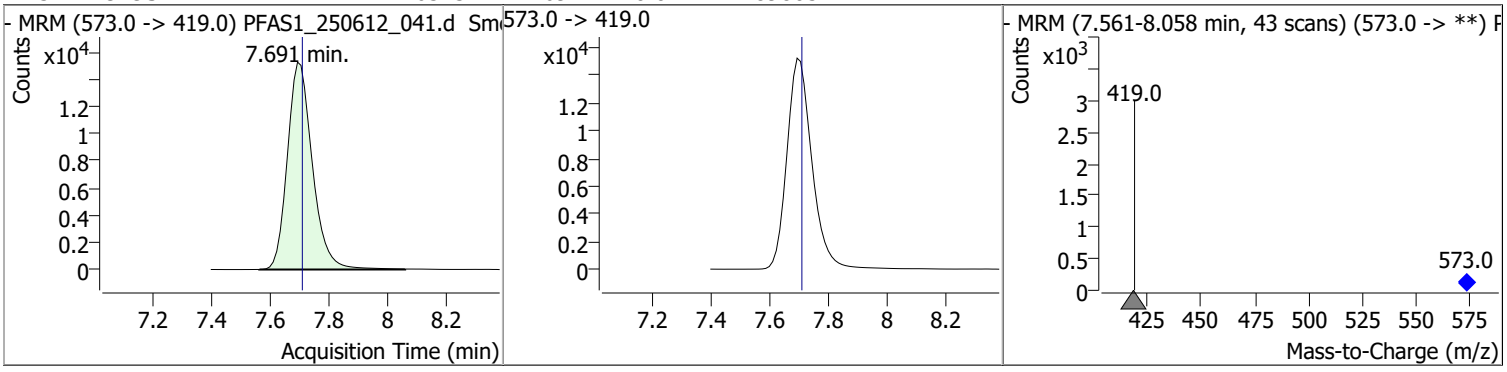
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	129946				



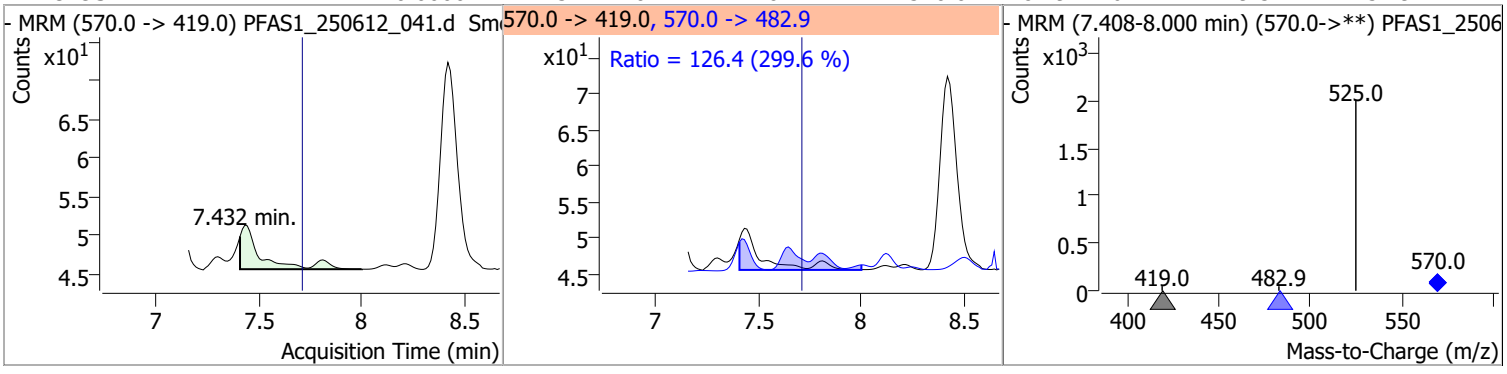
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0205	7.58	0.00	348	513.0 -> 219.0	7.2	8.7	16.2



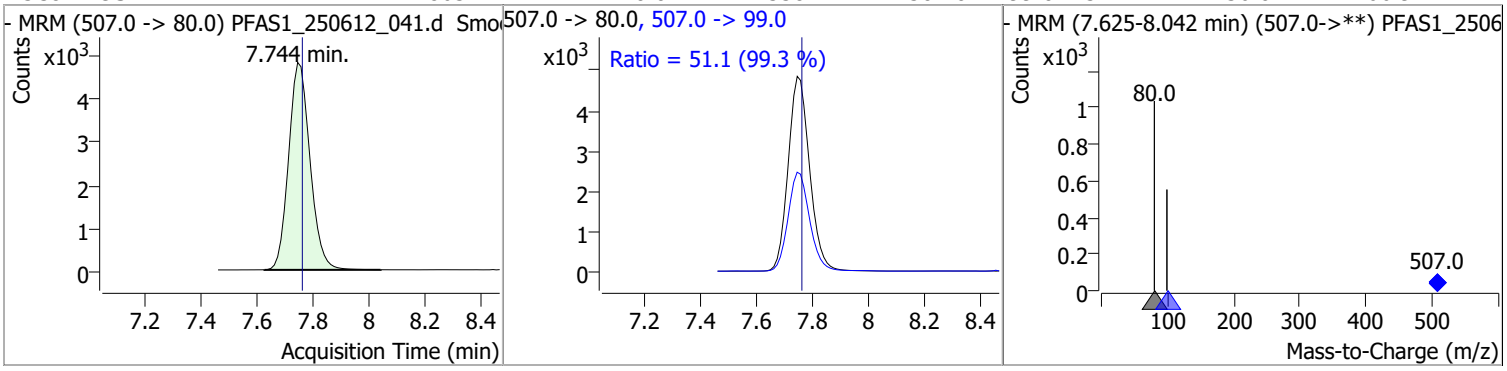
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6313	7.69	-0.01	89805				



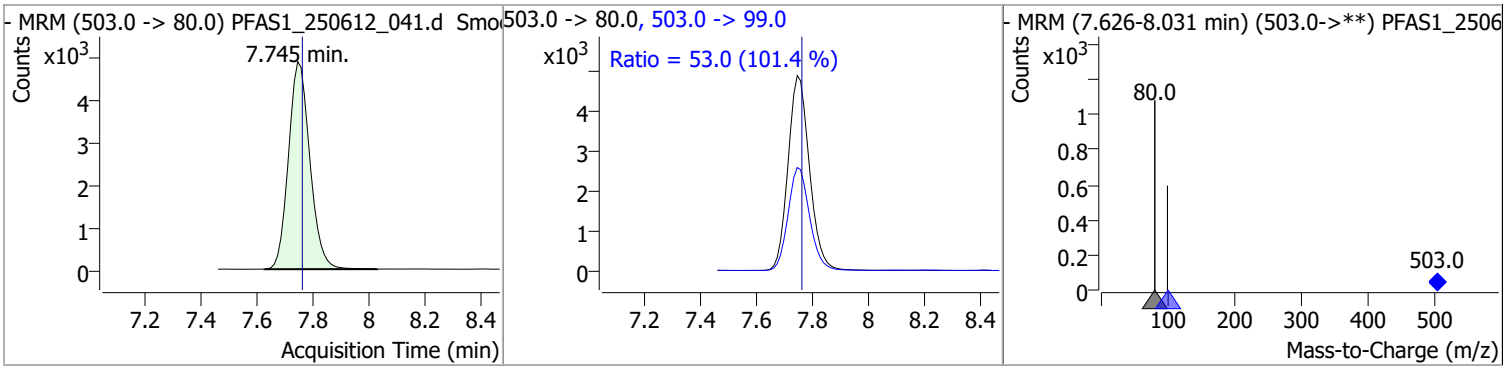
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0000	7.43	-0.27	40	570.0 -> 482.9	126.4	29.5	54.9



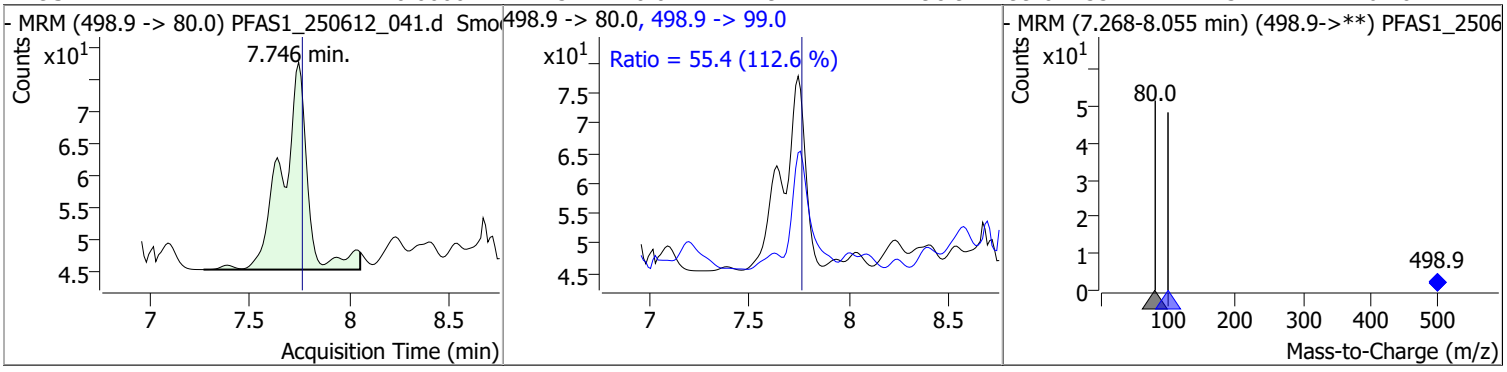
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4863	7.74	-0.01	25587	507.0 -> 99.0	51.1	36.0	66.9



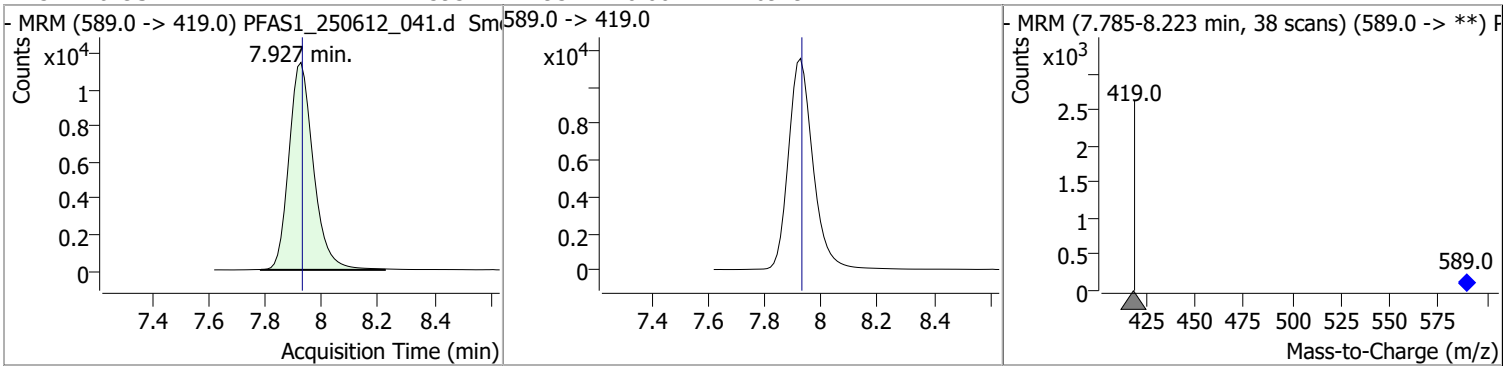
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	25970	503.0 -> 99.0	53.0	36.6	67.9



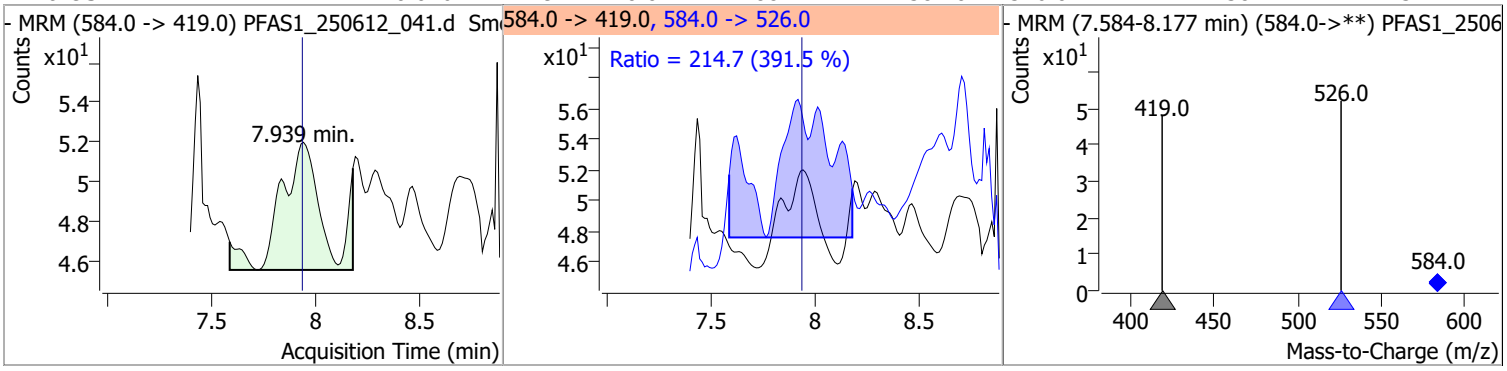
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	291	498.9 -> 99.0	55.4	34.4	64.0



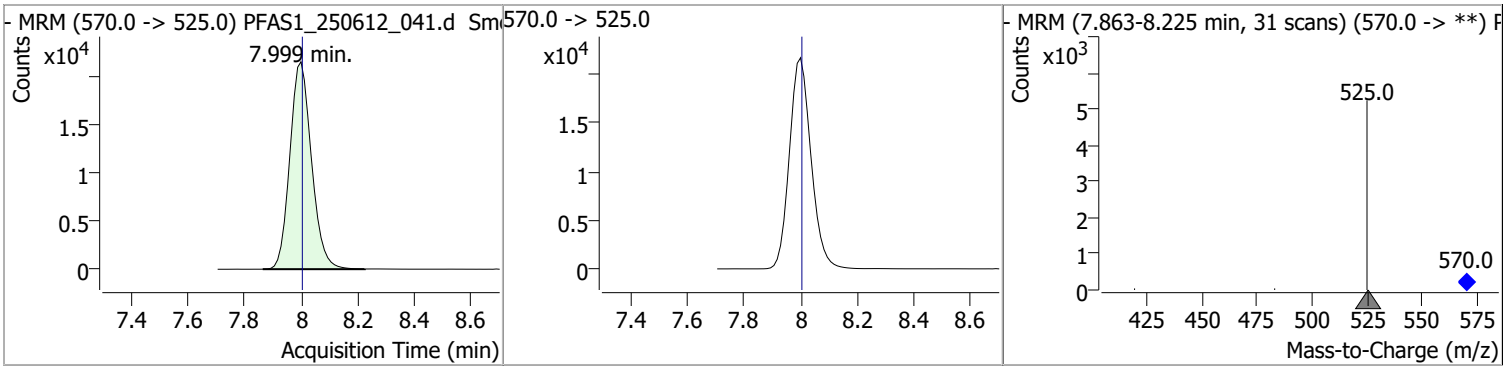
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.4593	7.93	0.00	69292				



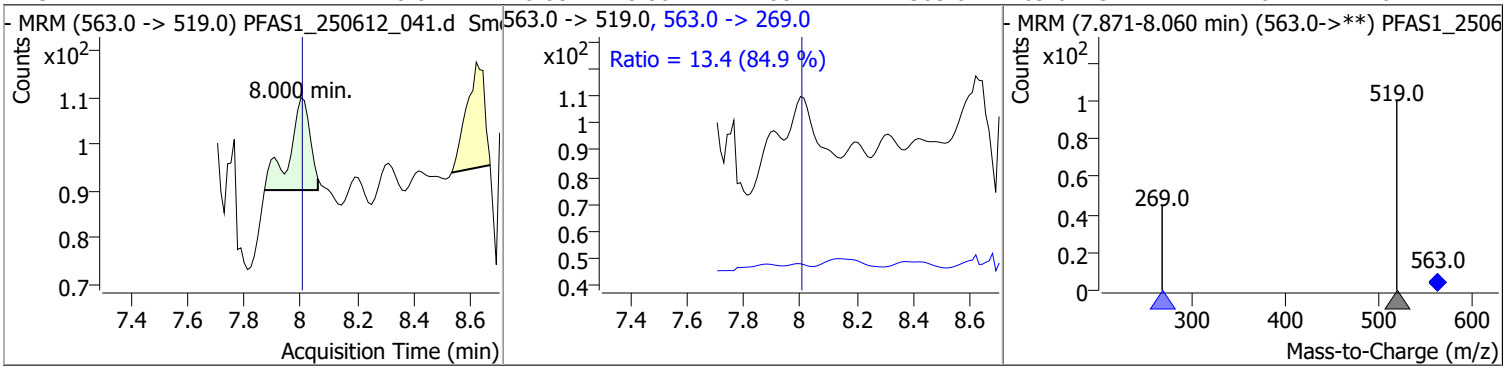
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0164	7.94	0.01	88	584.0 -> 526.0	214.7	38.4	71.3



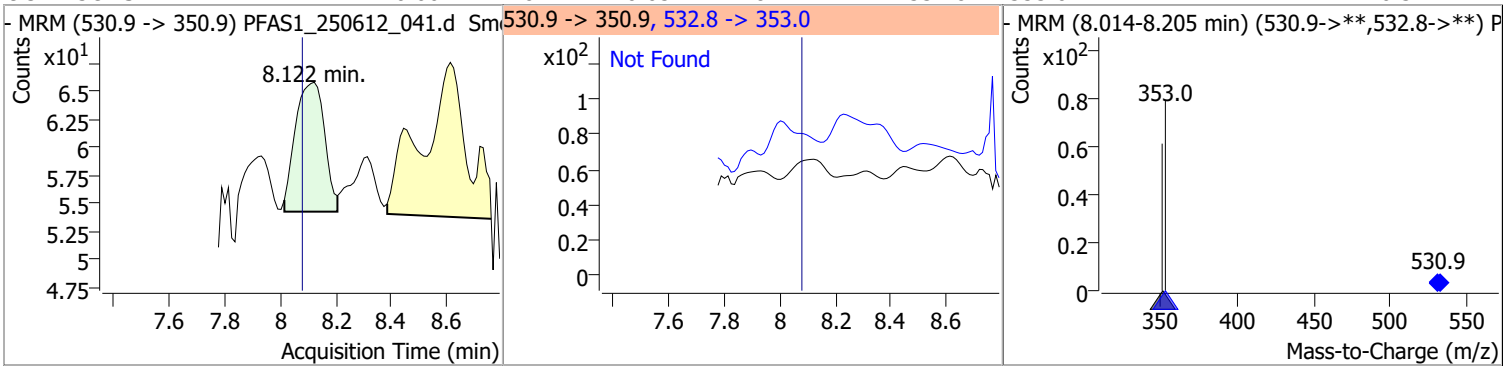
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1971	8.00	0.00	114701				



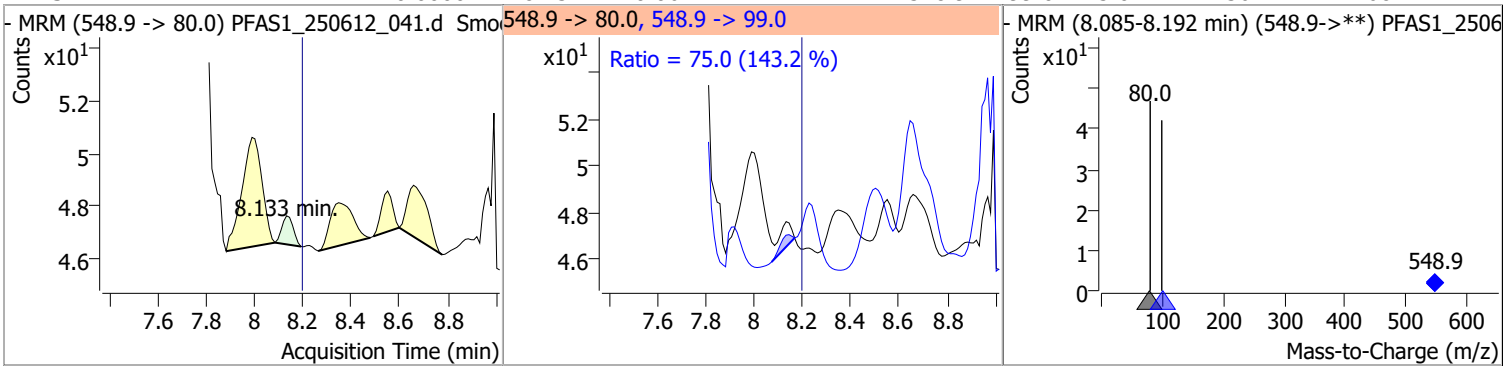
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0121	8.00	0.00	100	563.0 -> 269.0	13.4	11.0	20.4



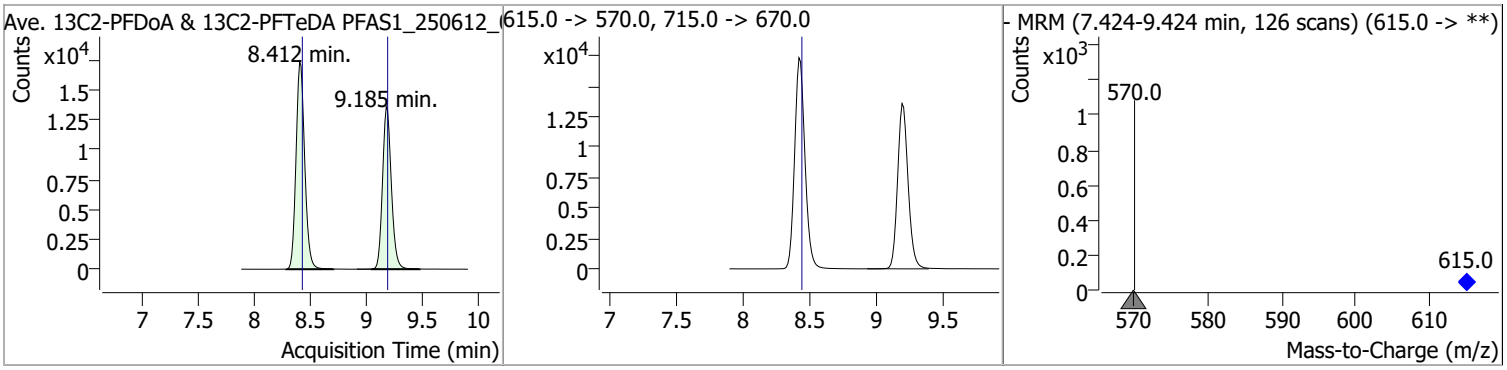
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0021	8.12	0.05	84	532.8 -> 353.0		21.7	40.3



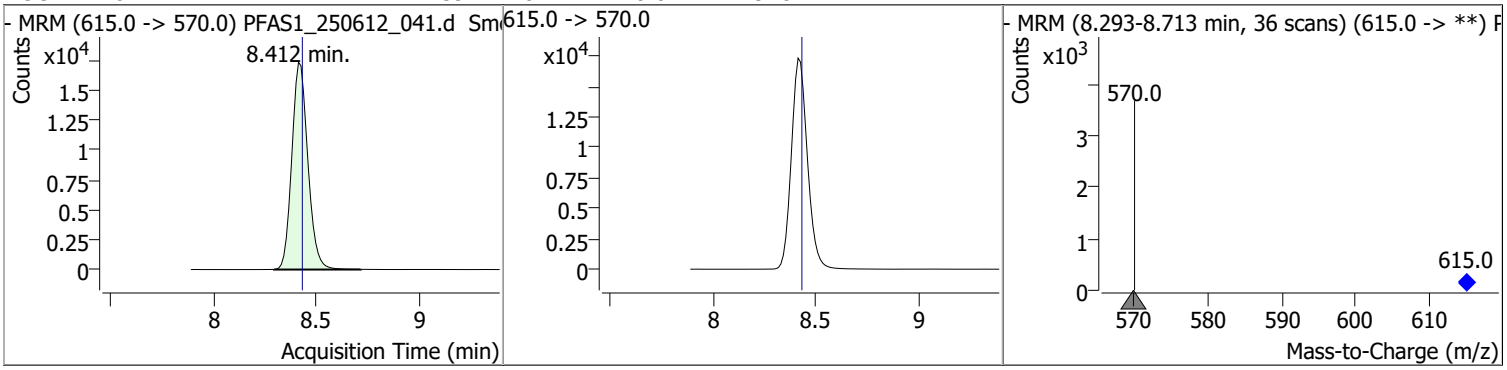
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.13	-0.06	4	548.9 -> 99.0	75.0	36.7	68.1



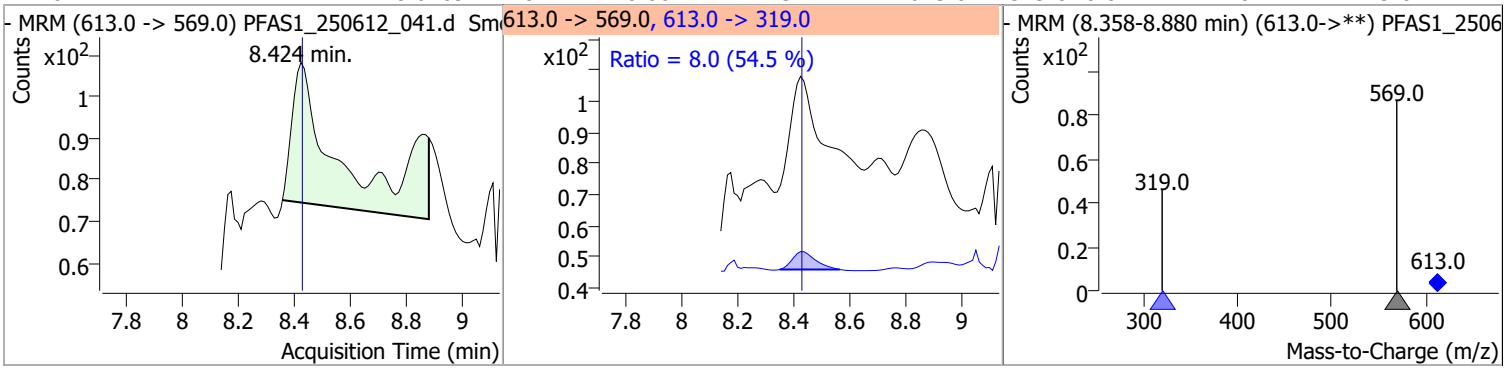
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0135	8.80	0.37	83429				



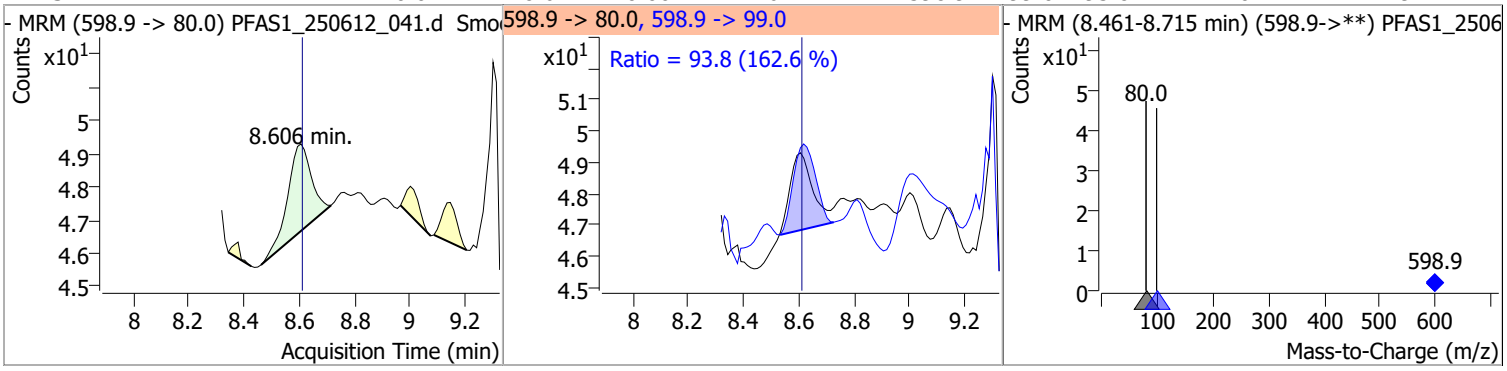
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1139	8.41	-0.01	92841				



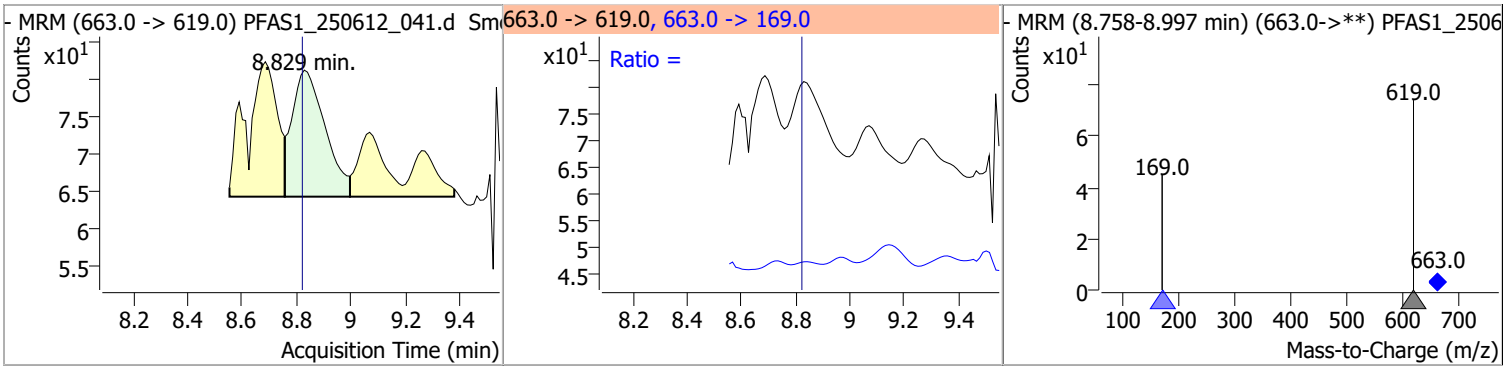
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0109	8.42	0.00	415	613.0 -> 319.0	8.0	10.2	19.0



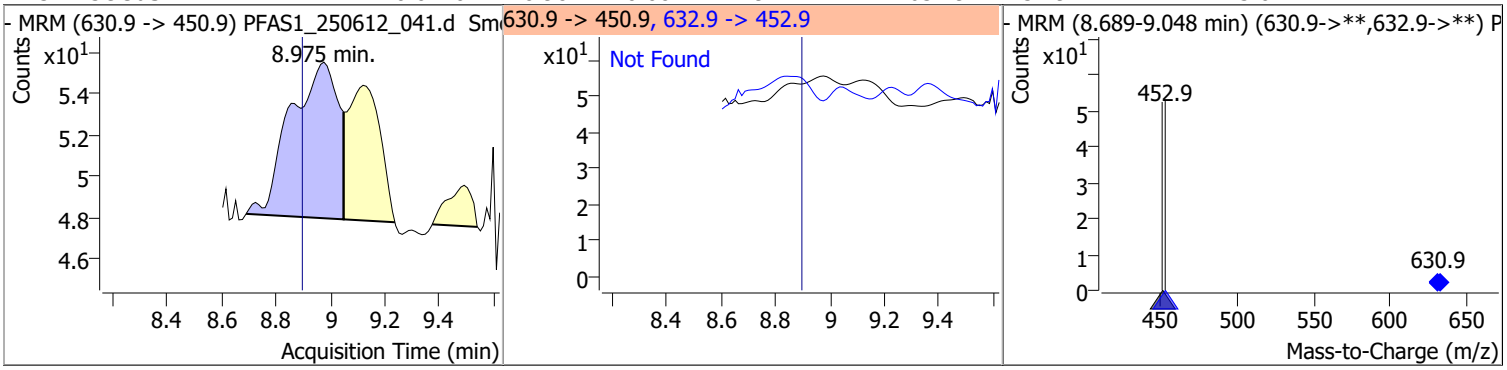
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0177	8.61	0.00	16	598.9 -> 99.0	93.8	40.4	74.9



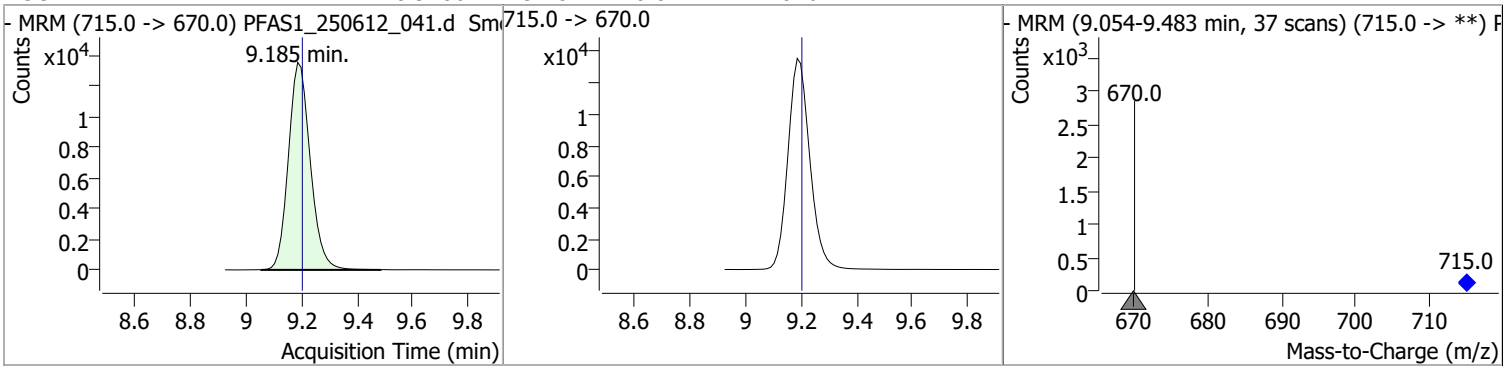
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0175	8.83	0.01	144	663.0 -> 169.0		7.2	13.4



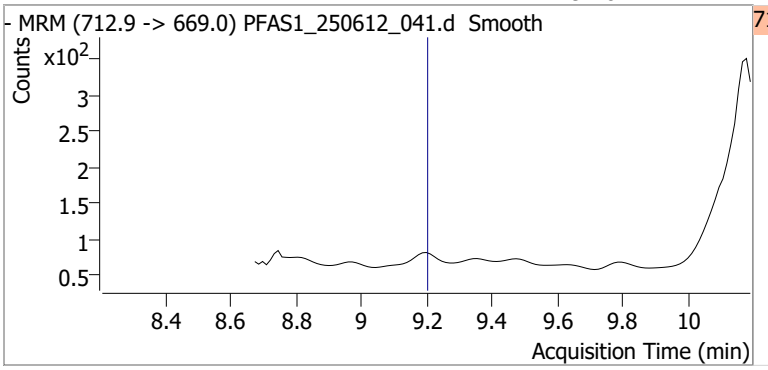
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0120	8.98	0.08	91	632.9 -> 452.9		23.0	42.7

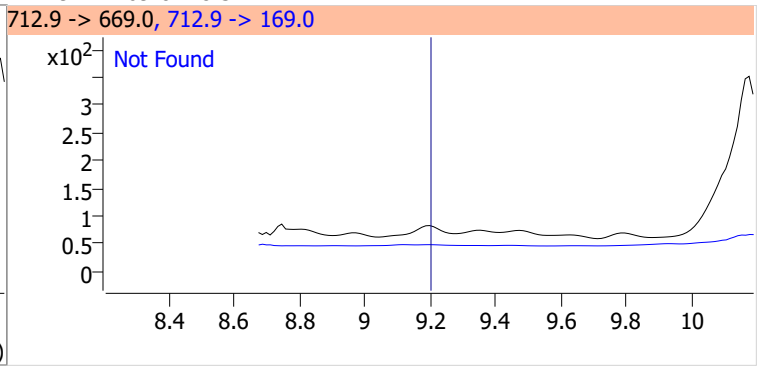


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9106	9.18	-0.01	74016				

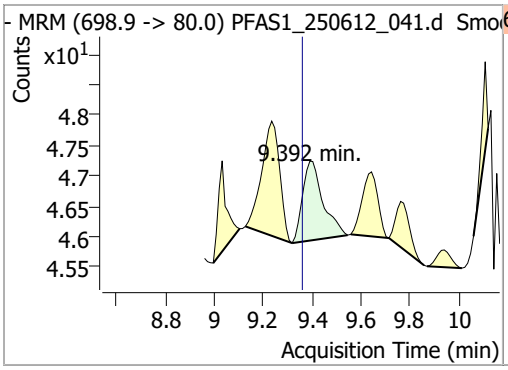


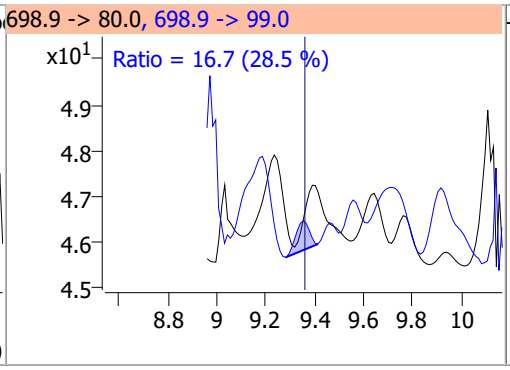
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFTDA	N.D.	9.20	712.9 -> 169.0	8.3

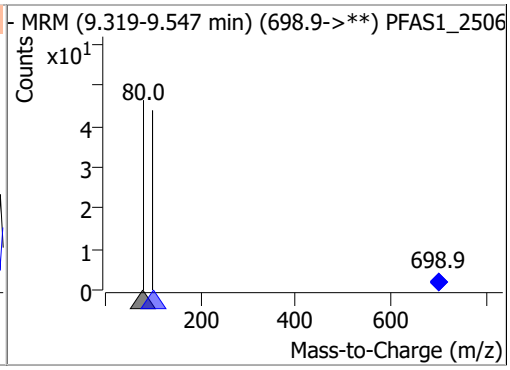




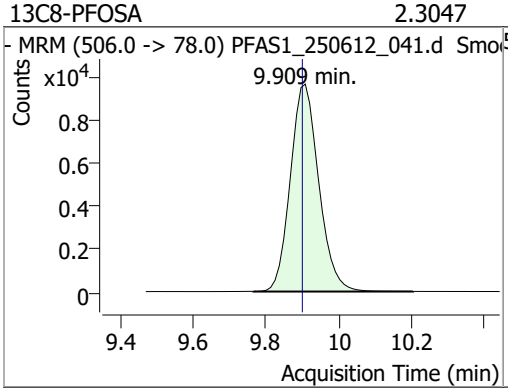
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0203	9.39	0.04	6	698.9 -> 99.0	16.7	41.0	76.1

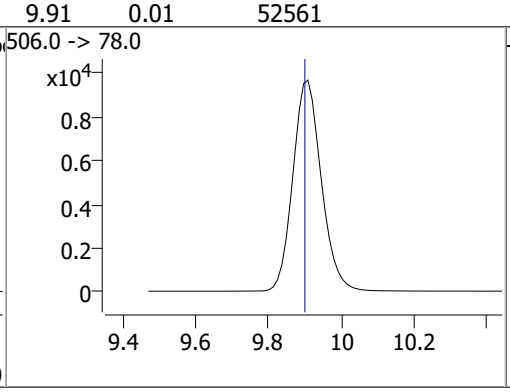


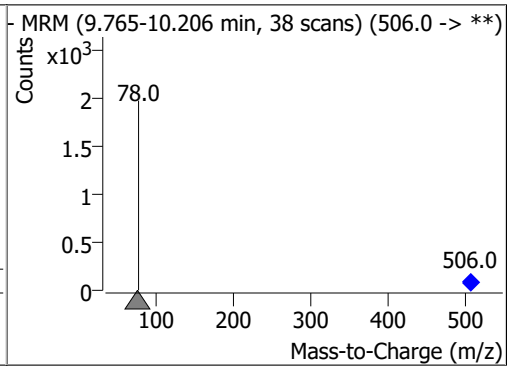




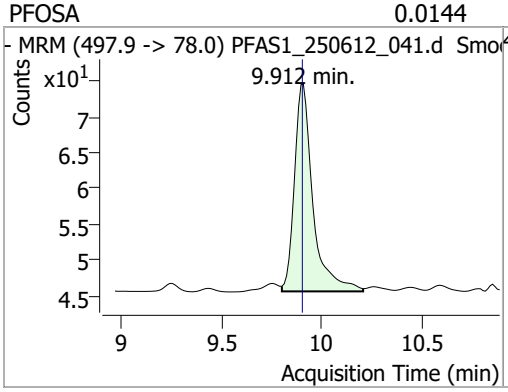
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3047	9.91	0.01	52561				

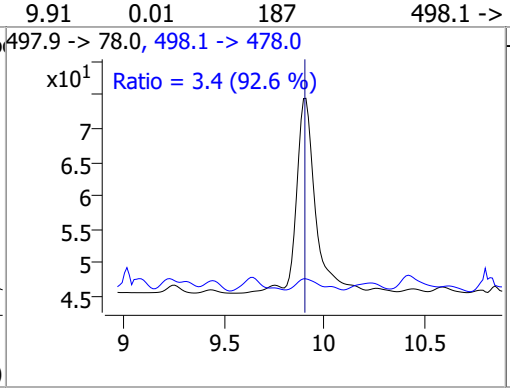


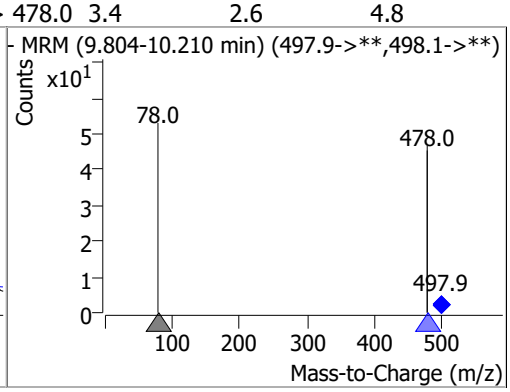




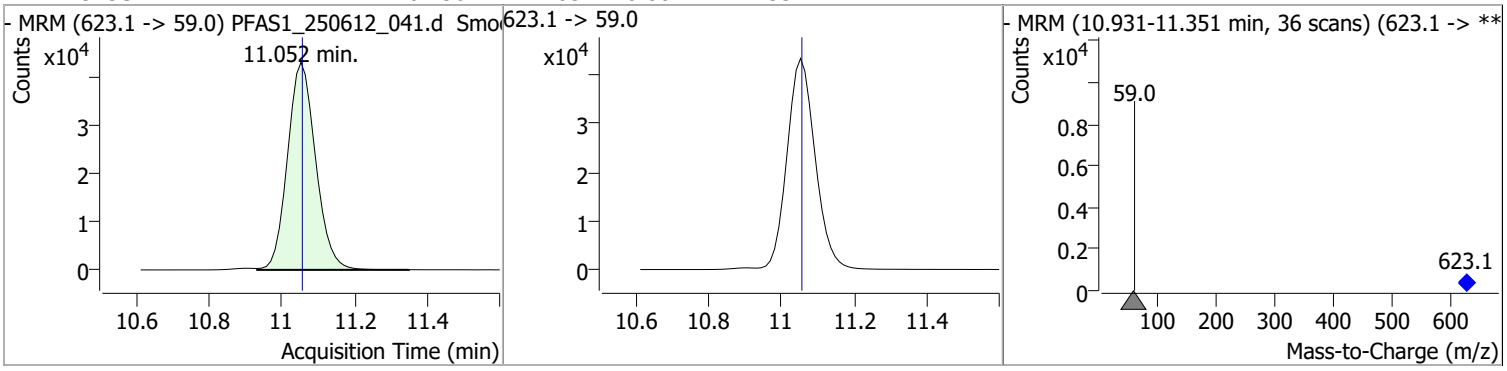
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0144	9.91	0.01	187	498.1 -> 478.0	3.4	2.6	4.8



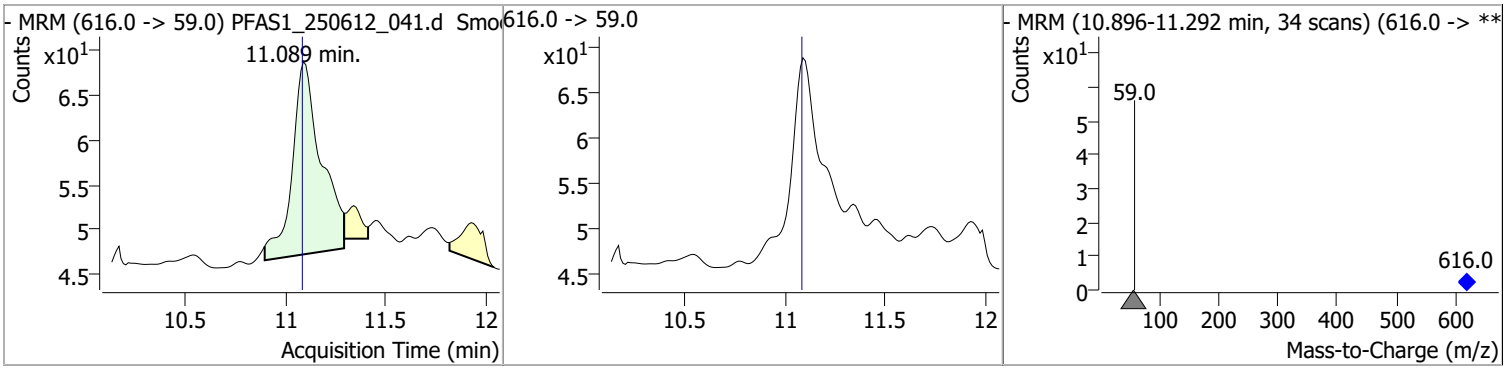




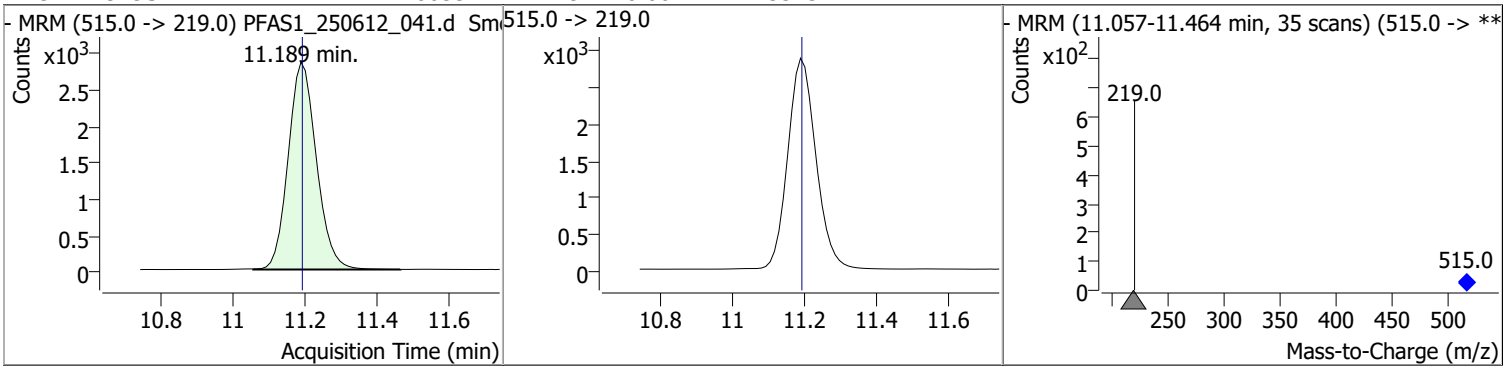
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	20.4561	11.05	0.00	233744				



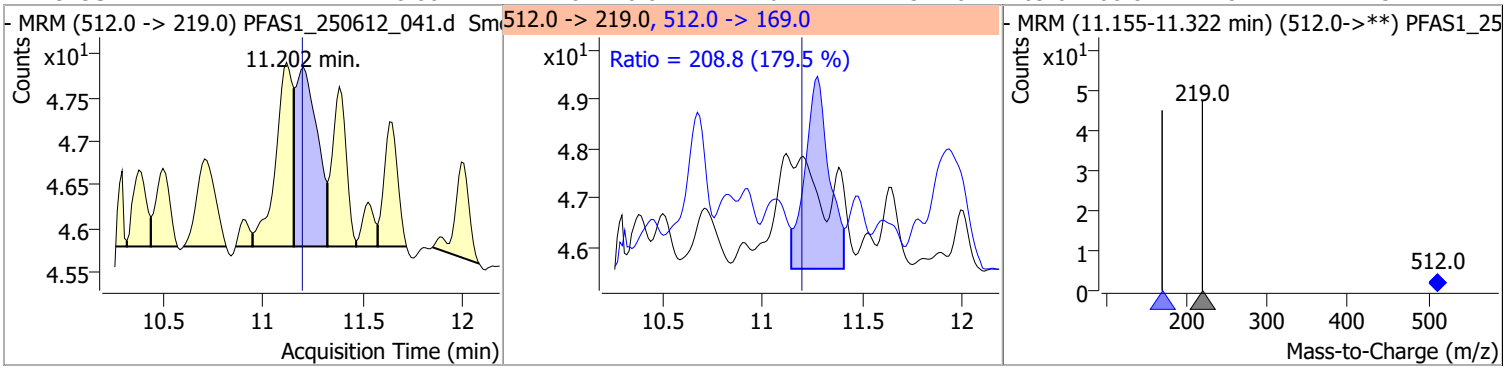
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	216				



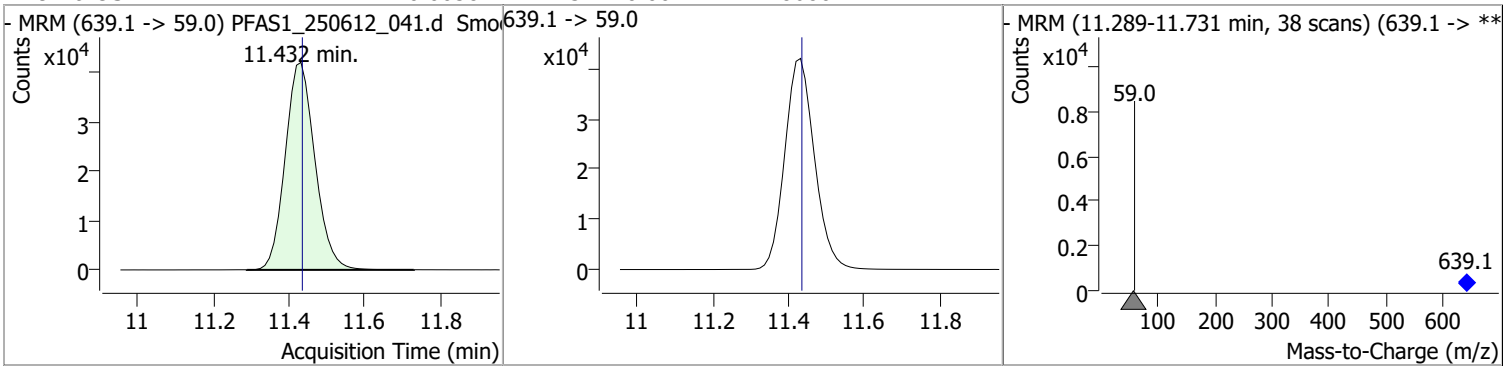
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0033	11.19	0.00	15343				



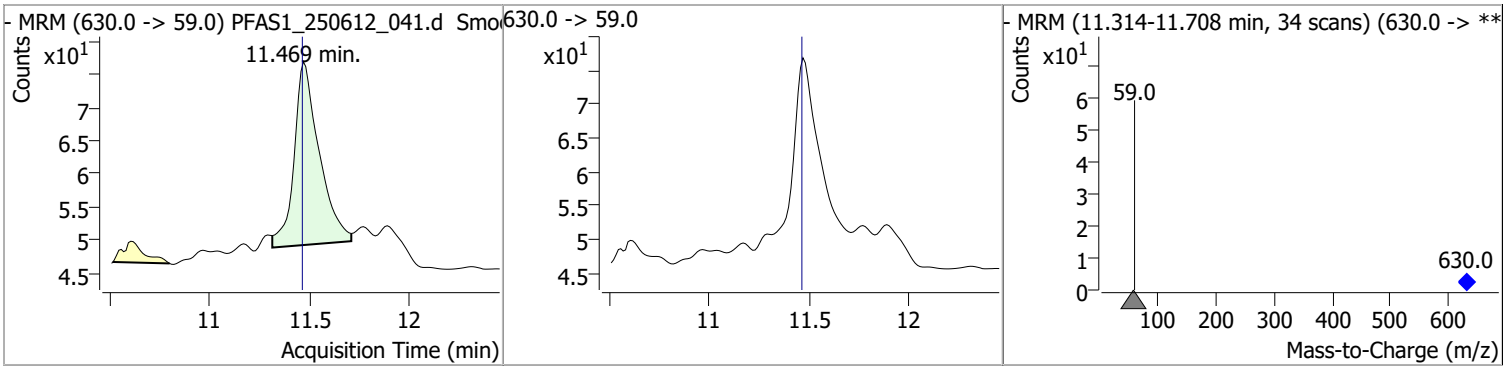
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0042	11.20	0.01	16	512.0 -> 169.0	208.8	81.4	151.2



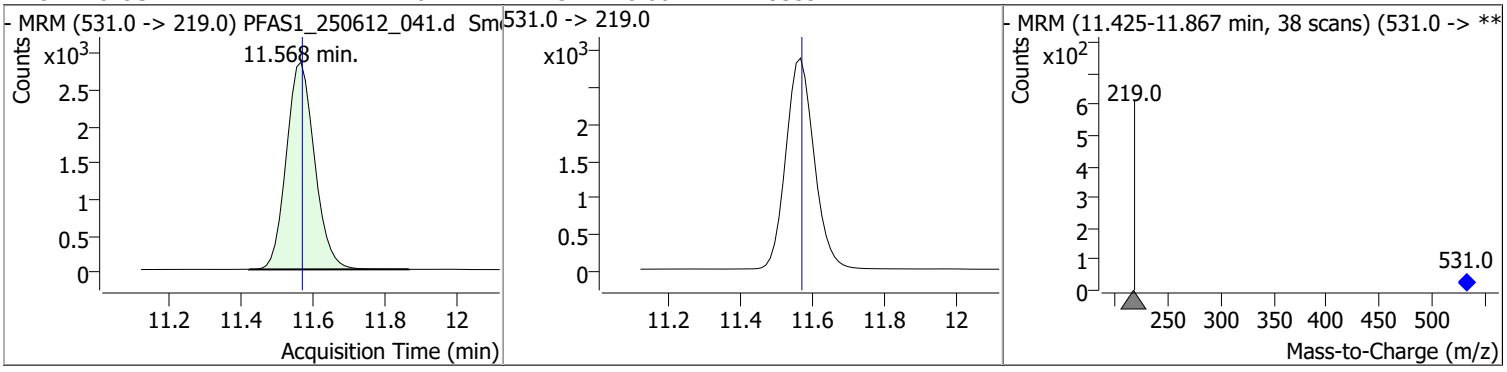
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0058	11.43	0.00	228680				



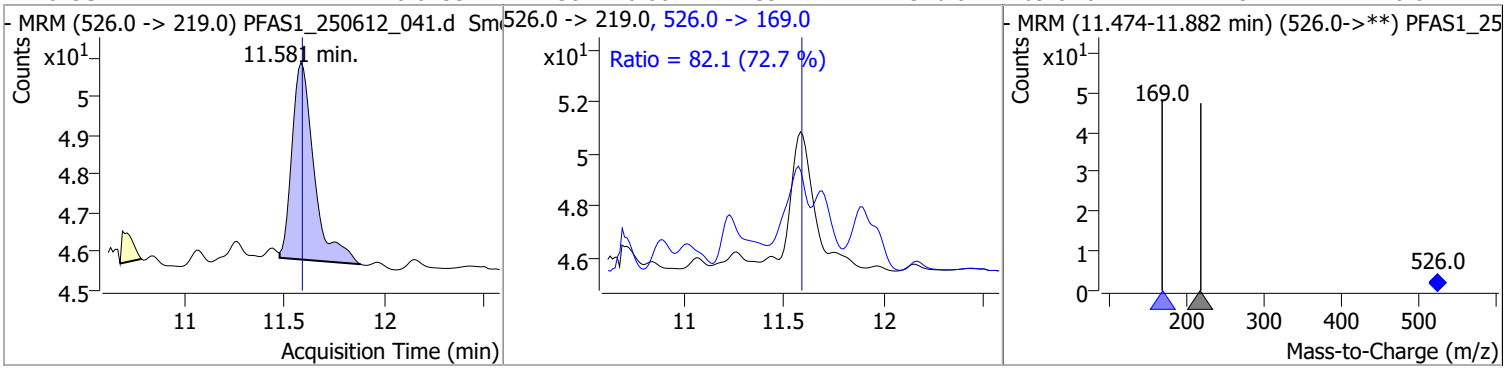
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	242				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.8227	11.57	0.00	15339				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0253	11.58	0.00	39	526.0 -> 169.0	82.1	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW39D-GW06025

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-03	File ID:	PFAS1_250612_042.d
Sampled:	06/05/25 10:45	Prepared:	06/11/25 11:09	Analyzed:	06/13/25 00:14
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	516.6214 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.46	3.10	6.19	U
2706-90-3	PFPeA		0.14	1.55	3.10	U
307-24-4	PFHxA		0.13	0.77	1.55	U
375-85-9	PFHpA		0.15	0.77	1.55	U
335-67-1	PFOA	0.22	0.12	0.77	1.55	J
375-95-1	PFNA		0.09	0.77	1.55	U
335-76-2	PFDA		0.13	0.77	1.55	U
2058-94-8	PFUnA		0.18	0.77	1.55	U
307-55-1	PFDoA		0.11	0.77	1.55	U
72629-94-8	PFTrDA		0.07	0.77	1.55	U
376-06-7	PFTeDA		0.12	0.77	1.55	U
375-73-5	PFBS		0.18	0.69	1.37	U
2706-91-4	PFPeS		0.20	0.73	1.46	U
355-46-4	PFHxS		0.22	0.71	1.41	U
375-92-8	PFHpS		0.40	0.74	1.47	U
1763-23-1	PFOS		0.21	0.90	1.80	U
68259-12-1	PFNS		0.19	0.75	1.49	U
335-77-3	PFDS		0.14	0.75	1.49	U
79780-39-5	PFDoS		0.08	0.75	1.50	U
757124-72-4	4:2FTS		0.40	2.90	5.81	U
27619-97-2	6:2FTS		2.68	2.94	5.88	U
39108-34-4	8:2FTS		0.59	2.97	5.94	U
754-91-6	PFOSA		0.10	0.77	1.55	U
31506-32-8	NMeFOSA		0.25	0.77	1.55	U
4151-50-2	NEtFOSA		0.30	0.77	1.55	U
2355-31-9	NMeFOSAA		0.43	0.77	1.55	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW39D-GW06025

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-03	File ID:	PFAS1_250612_042.d
Sampled:	06/05/25 10:45	Prepared:	06/11/25 11:09	Analyzed:	06/13/25 00:14
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	516.6214 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.77	1.55	U
24448-09-7	NMeFOSE		0.98	7.74	15.5	U
1691-99-2	NEtFOSE		1.22	7.74	15.5	U
13252-13-6	HFPO-DA		0.40	1.55	3.10	U
919005-14-4	ADONA		0.15	1.46	2.92	U
756426-58-1	9CL-PF3ONS		0.17	1.45	2.89	U
763051-92-9	11CL-PF3OUdS		0.30	1.46	2.92	U
356-02-5	3:3FTCA		0.64	3.10	6.19	U
914637-49-3	5:3FTCA		3.54	15.5	31.0	U
812-70-4	7:3FTCA		2.96	15.5	31.0	U
113507-82-7	PFEESA		0.16	1.38	2.76	U
377-73-1	PFMPA		0.11	1.55	3.10	U
863090-89-5	PFMBA		0.12	1.55	3.10	U
151772-58-6	NFDHA		0.44	1.55	3.10	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_042.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 12:14:51 AM
Sample Name	O25F0365-03	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

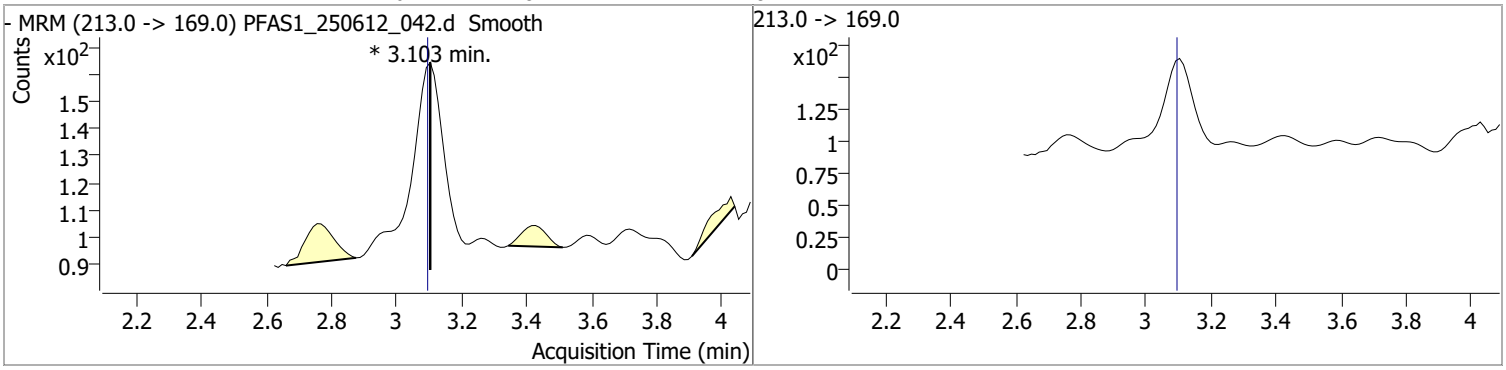
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	167524	5.0000	µg/L	5.909
13C2-PFHxA	5.491	315.0 -> 270.0	187069	2.5000	µg/L	4.697
18O2-PFHxS	6.796	403.0 -> 84.0	24302	2.5000	µg/L	3.410
13C4-PFOA	6.663	417.0 -> 172.0	21075	2.5000	µg/L	4.356
13C5-PFNA	7.125	468.0 -> 423.0	128210	1.2500	µg/L	7.129
13C2-PFDA	7.564	515.0 -> 470.0	130191	1.2500	µg/L	4.044
13C4-PFOS	7.745	503.0 -> 80.0	26463	2.5000	µg/L	5.996
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	231614	10.0000	µg/L	-36.543
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 59.88%		
13C4-PFBA	3.107	217.0 -> 172.0	231614	10.0000	µg/L	-36.543
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 59.88%		
13C5-PFPeA	4.594	268.0 -> 223.0	272167	5.0000	µg/L	0.891
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.40%		
13C5-PFPeA	4.594	268.0 -> 223.0	272167	5.0000	µg/L	0.891
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.40%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20703	5.0000	µg/L	28.470
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 124.88%		
13C5-PFHxA	5.490	318.0 -> 273.0	188059	2.5000	µg/L	2.206
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.60%		
13C5-PFHxA	5.490	318.0 -> 273.0	188059	2.5000	µg/L	2.206
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.60%		
13C3-PFBS	5.505	302.0 -> 80.0	43773	2.5000	µg/L	2.688
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.50%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213928	10.0000	µg/L	-3.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.06%		
13C4-PFHpA	6.142	367.0 -> 322.0	213927	2.5000	µg/L	0.342
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.80%		
13C3-PFHxS	6.797	402.0 -> 80.0	27109	2.5000	µg/L	0.472
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.20%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12981	5.0000	µg/L	15.111
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 111.74%		
13C8-PFOA	6.662	421.0 -> 376.0	230564	2.5000	µg/L	2.067
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.72%		
13C3-PFHxS	6.797	402.0 -> 80.0	27109	2.5000	µg/L	0.472
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.20%		
13C9-PFNA	7.125	472.0 -> 427.0	127127	1.2500	µg/L	3.606
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.74%		
13C8-PFOS	7.744	507.0 -> 80.0	24860	2.5000	µg/L	0.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.82%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13039	5.0000	µg/L	5.936
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.51%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13039	5.0000	µg/L	5.936
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.51%		
13C6-PFDA	7.563	519.0 -> 474.0	133868	1.2500	µg/L	0.726

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.87%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	88313	5.0000	µg/L		-4.979
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.39%			
13C8-PFOS	7.744	507.0 -> 80.0	24860	2.5000	µg/L		0.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.82%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	68248	5.0000	µg/L		-8.442
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 86.21%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115528	1.2500	µg/L		0.143
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.28%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	81582	1.2500	µg/L		-17.597
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 79.14%			
13C2-PFDoDA	8.412	615.0 -> 570.0	90000	1.2500	µg/L		-10.224
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.22%			
13C2-PFTDA	9.185	715.0 -> 670.0	73163	1.2500	µg/L		-25.158
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 71.87%			
13C8-PFOSA	9.909	506.0 -> 78.0	52252	2.5000	µg/L		-4.465
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.94%			
2H7-MeFOSE	11.052	623.1 -> 59.0	224060	25.0000	µg/L		-18.437
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 76.97%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	14568	2.5000	µg/L		-20.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 74.67%			
2H9-EtFOSE	11.432	639.1 -> 59.0	221117	25.0000	µg/L		-19.528
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 75.94%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15234	2.5000	µg/L		-24.573
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 71.06%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.770	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.467	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	0.000		0	N.D.			
4-2 FTSA	5.251	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.958	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.492	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.495	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.884	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.180	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.192	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.056	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	1189	0.0232	µg/L		94
PFHxS	6.798	398.9 -> 80.0	184	0.0097	µg/L		82
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.176	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.349	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.558	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.564	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.728	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	0	0.0000	µg/L	md	
N-EtFOSAA	7.774	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	8.000	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.778	530.9 -> 350.9	0	0.0000	µg/L	md	

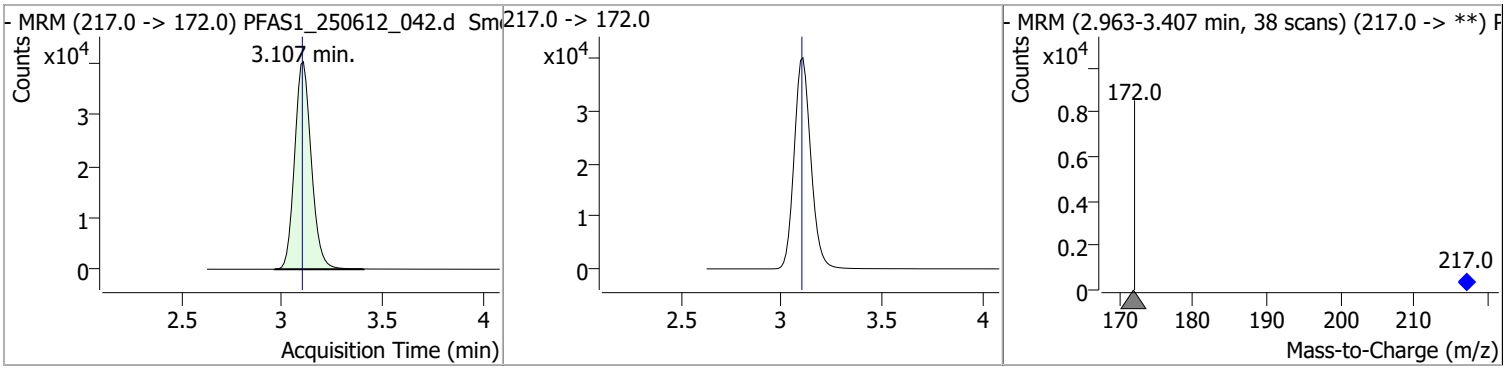
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.216	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.412	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.642	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.817	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.903	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.186	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.356	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.089	616.0 -> 59.0	318	0.0000	µg/L		100
N-MeFOSA	11.226	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	272	0.0000	µg/L		100
N-EtFOSA	11.593	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

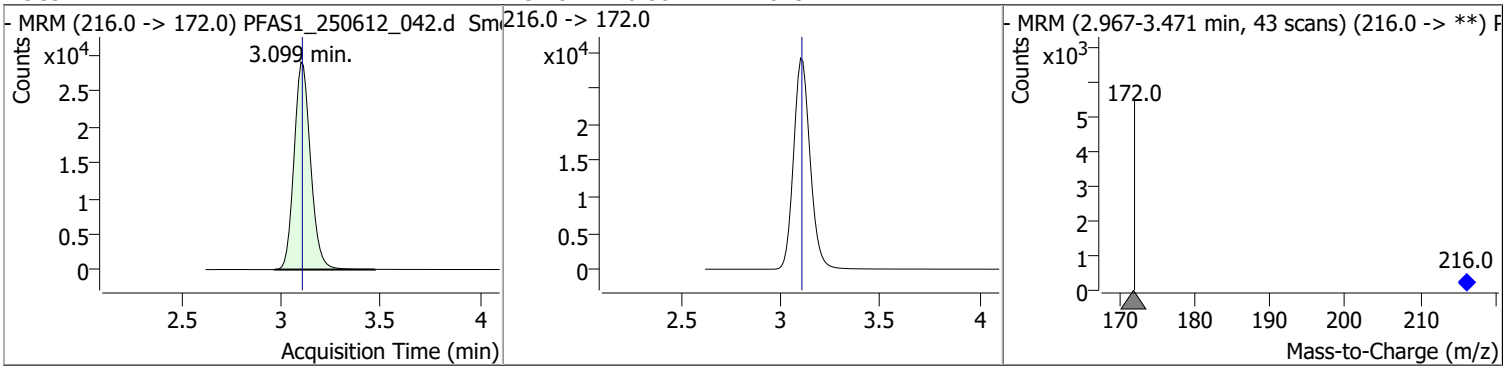
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				



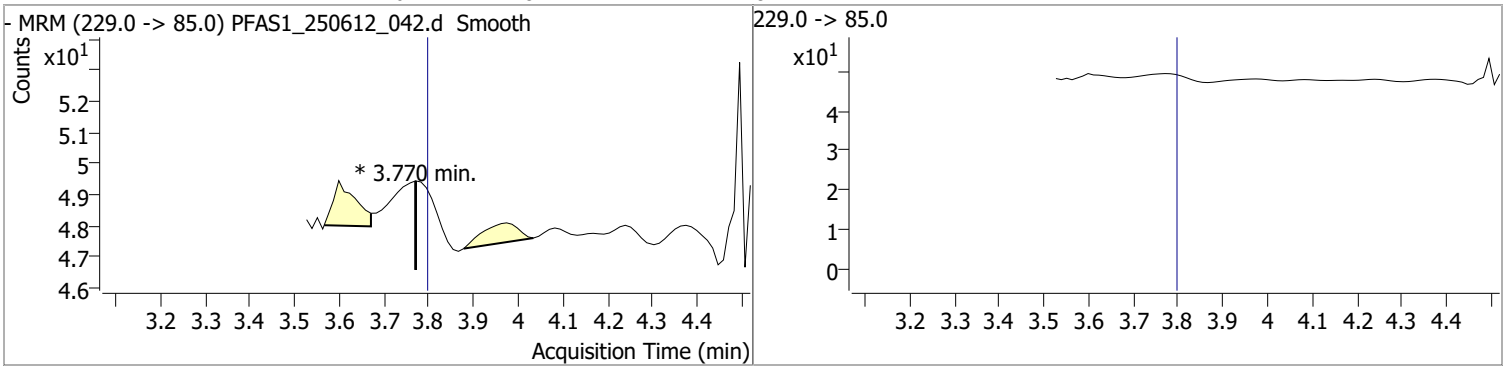
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.9882	3.11	0.01	231614				



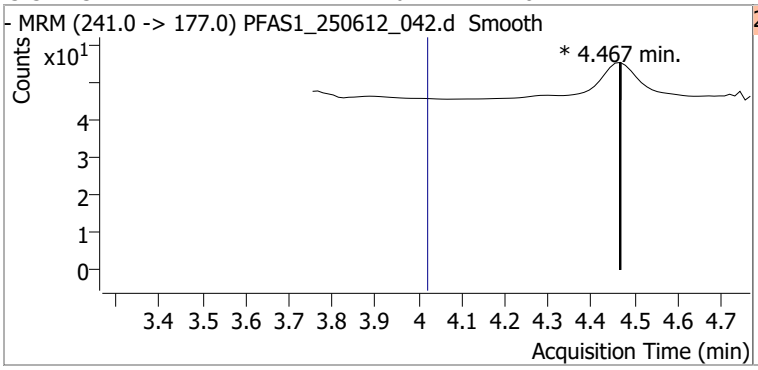
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	167524				

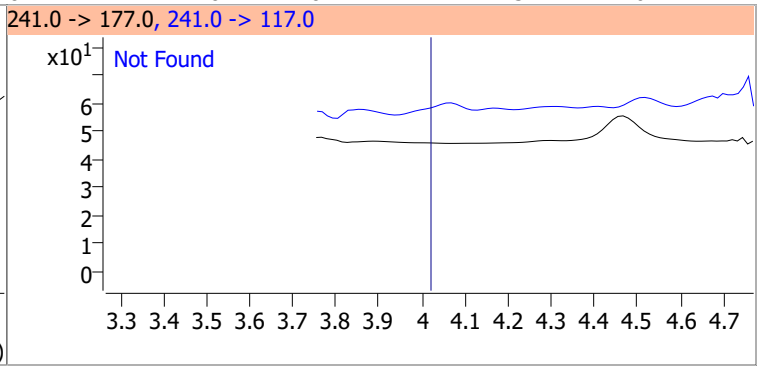


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

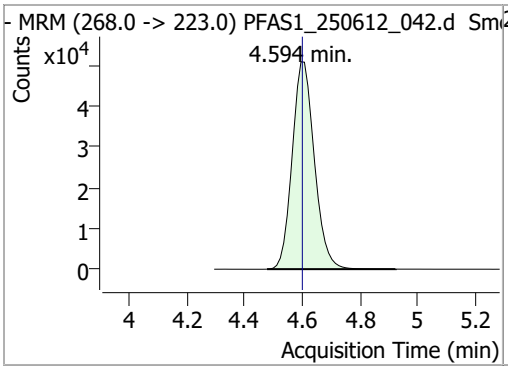


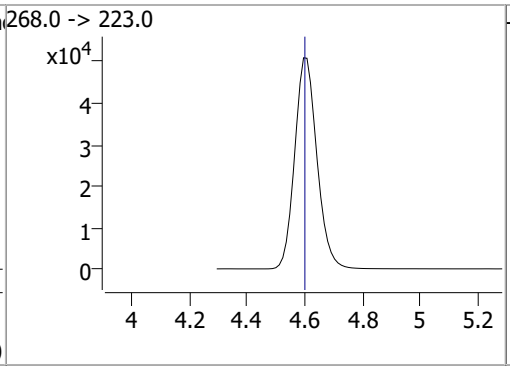
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

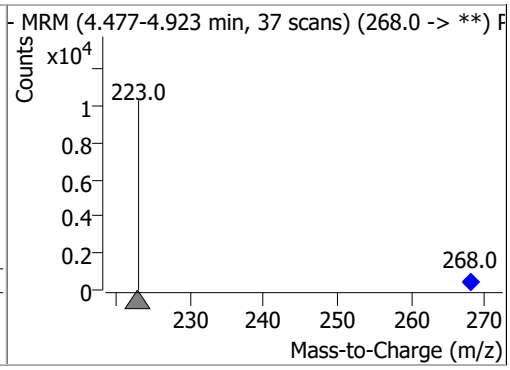




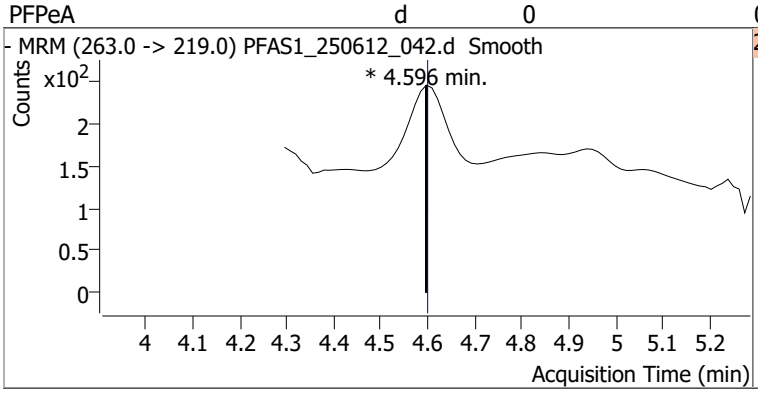
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8198	4.59	0.00	272167				

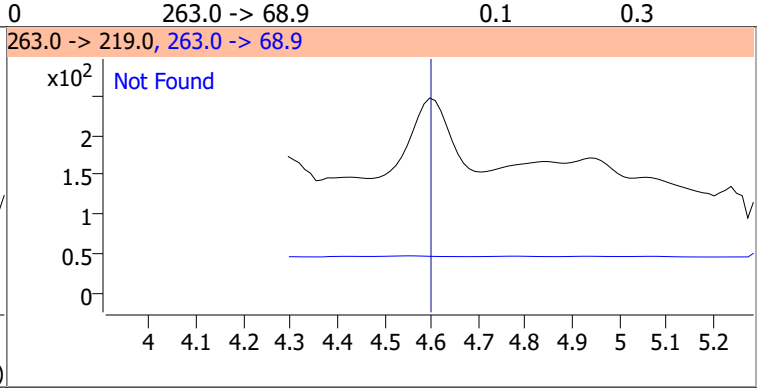




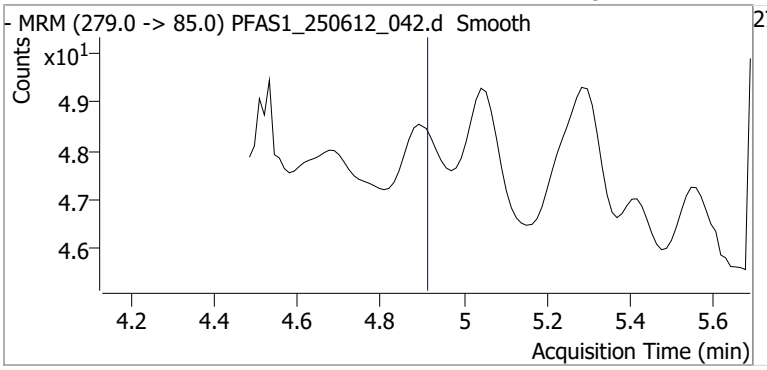


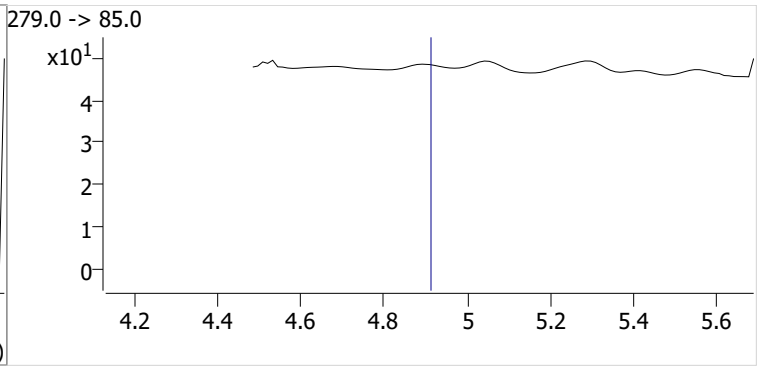
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



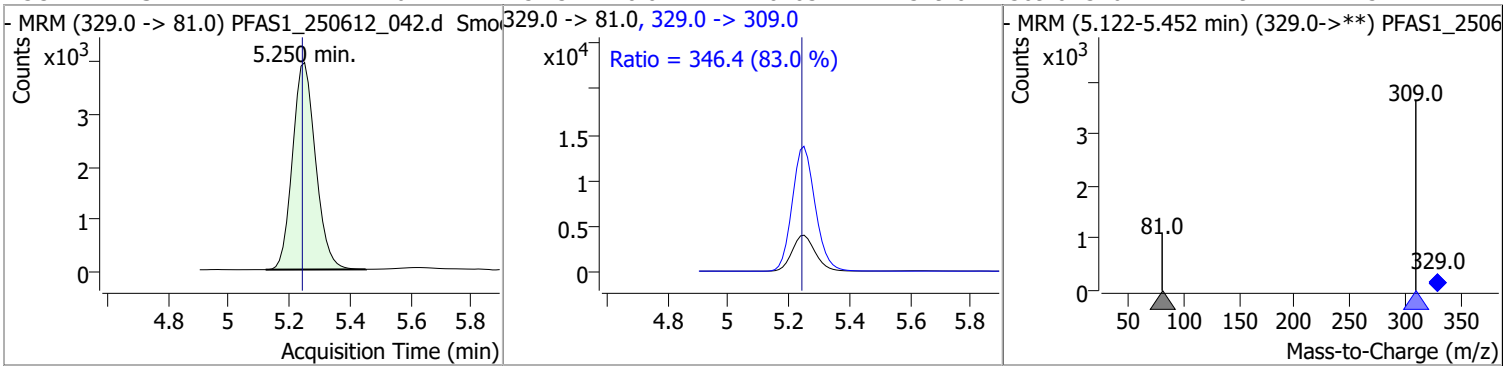


Compound	Conc.	Exp RT	QIon	Exp Ratio
PFMBA	N.D.	4.91		

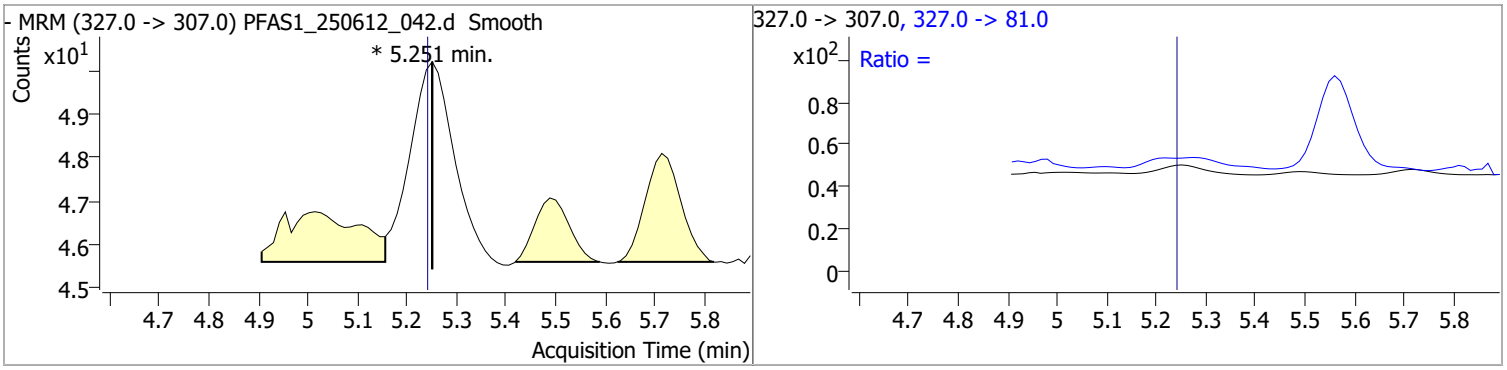




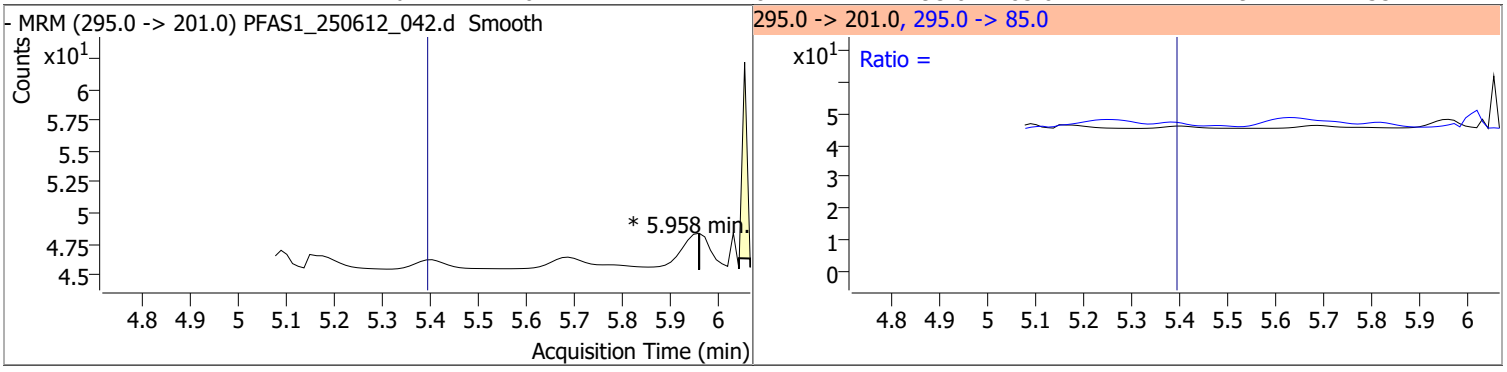
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2441	5.25	0.01	20703	329.0 -> 309.0	346.4	292.1	542.4



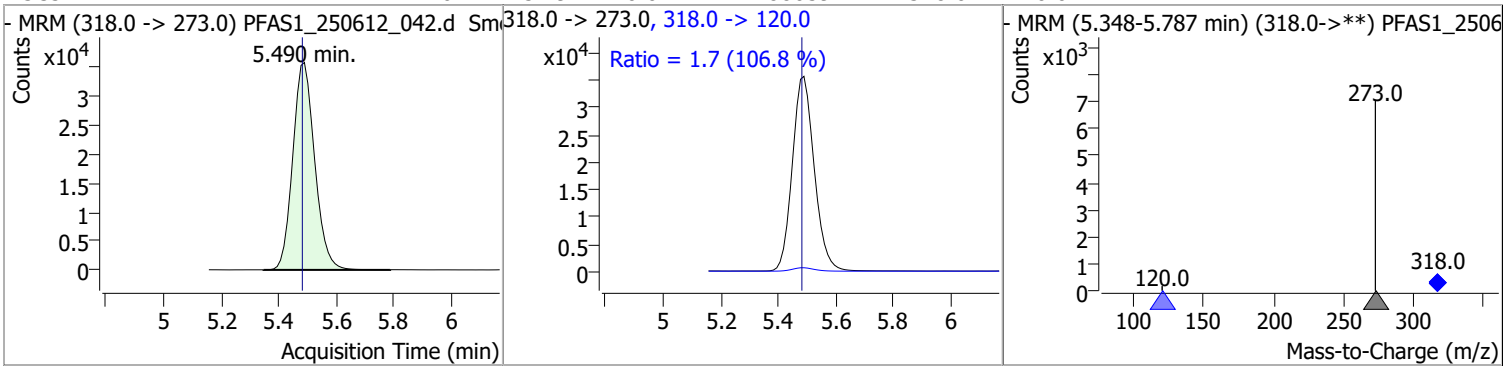
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



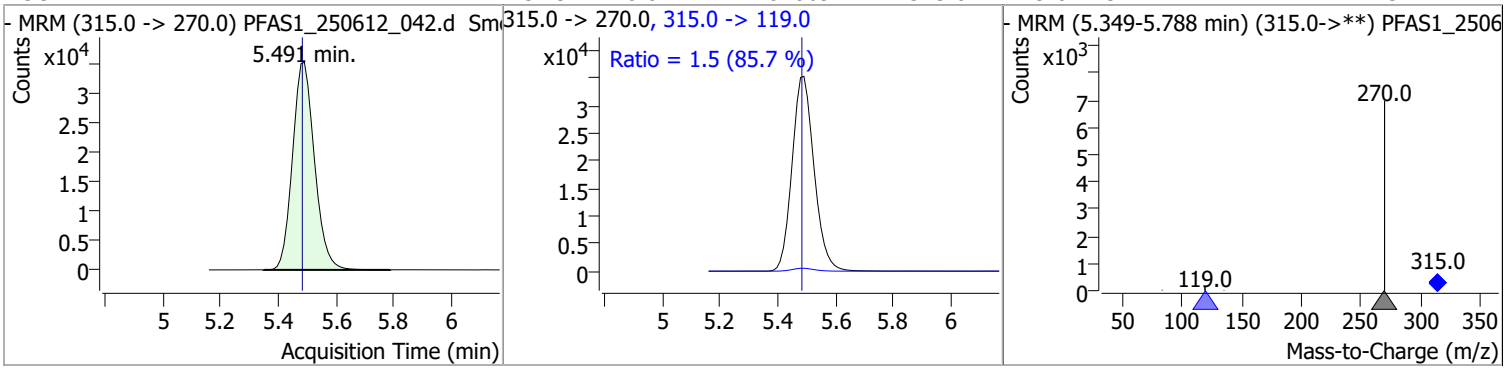
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



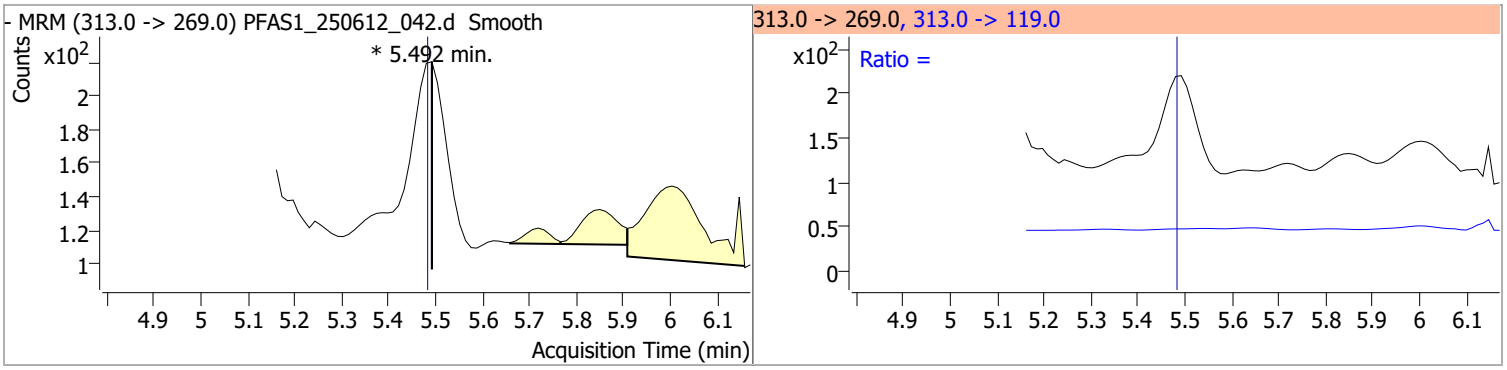
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4401	5.49	0.01	188059	318.0 -> 120.0	1.7	1.1	2.1



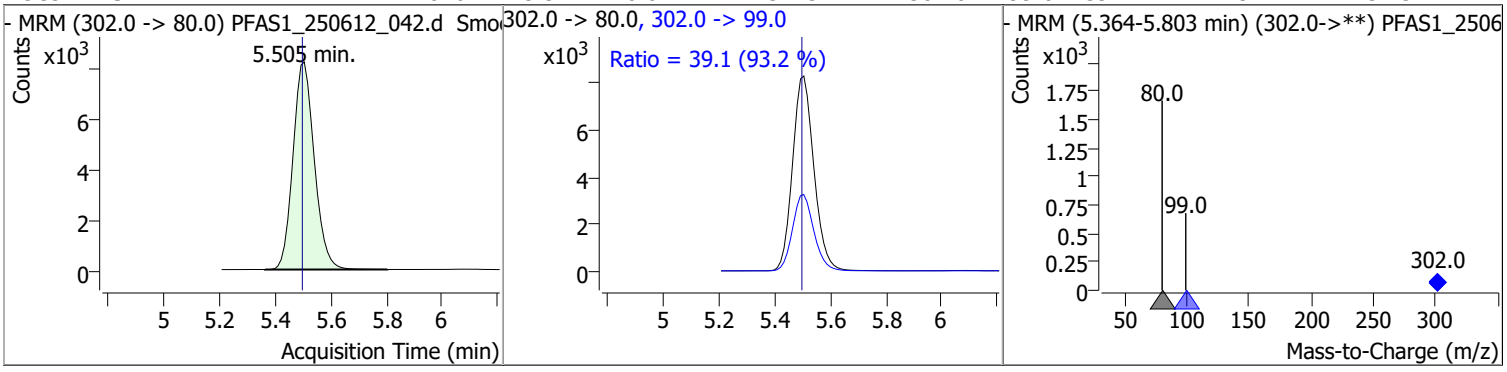
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	187069	315.0 -> 119.0	1.5	1.2	2.3



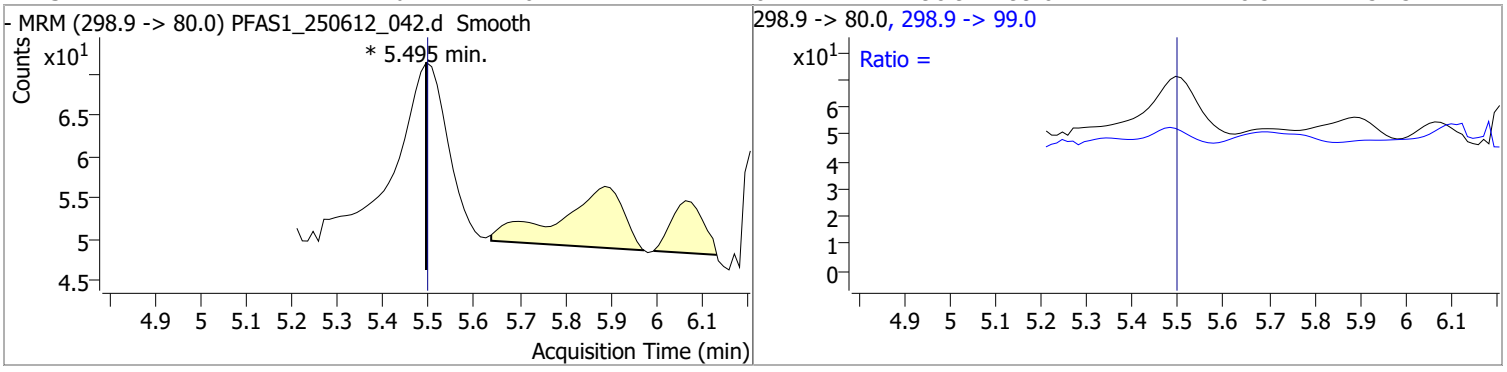
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



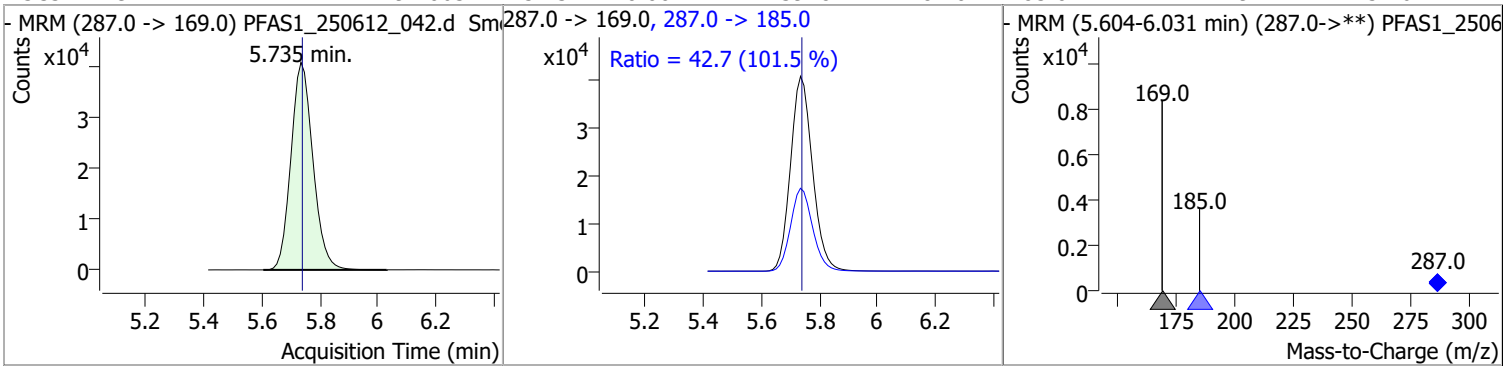
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4876	5.51	0.01	43773	302.0 -> 99.0	39.1	29.4	54.5



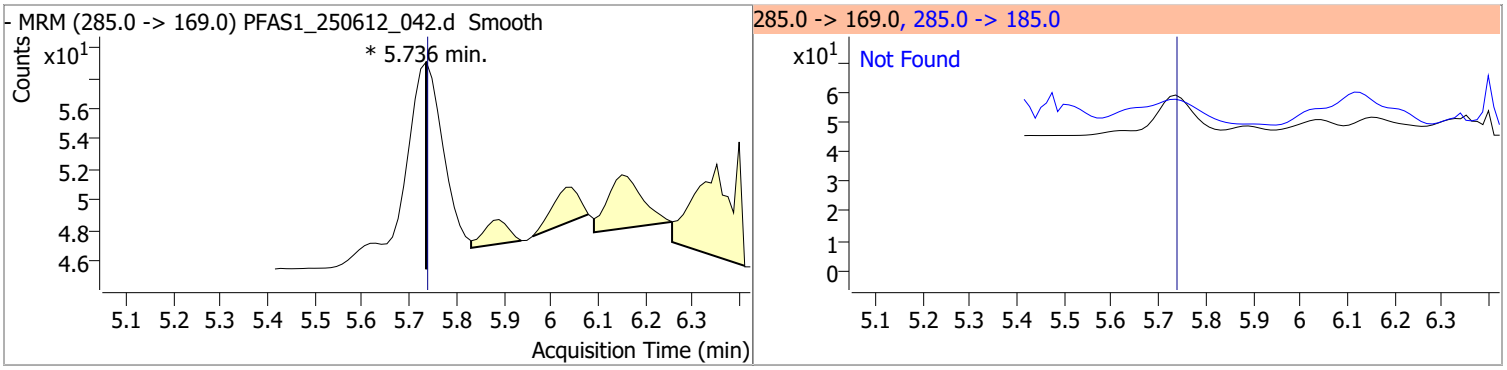
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



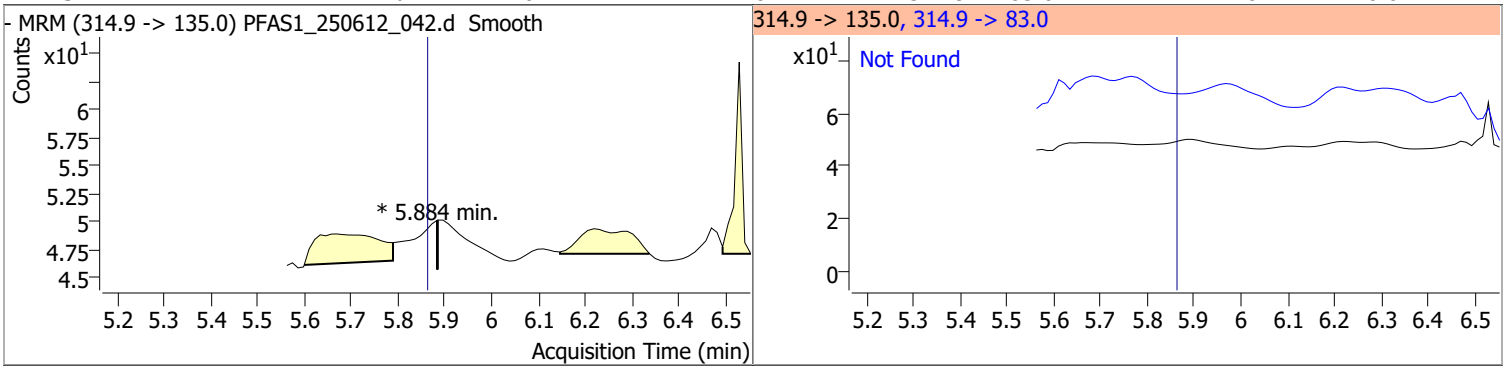
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.2063	5.73	0.00	213928	287.0 -> 185.0	42.7	29.4	54.6



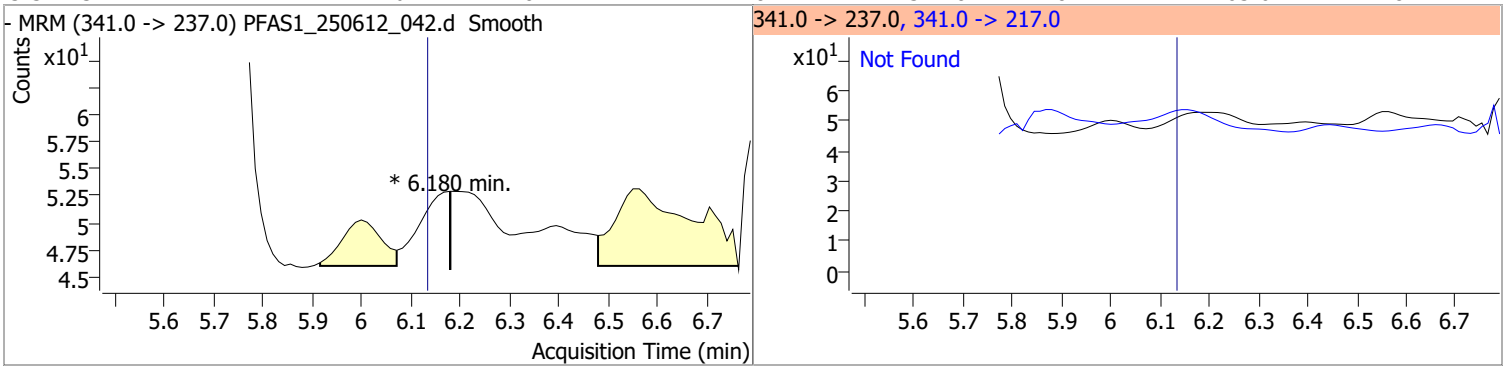
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



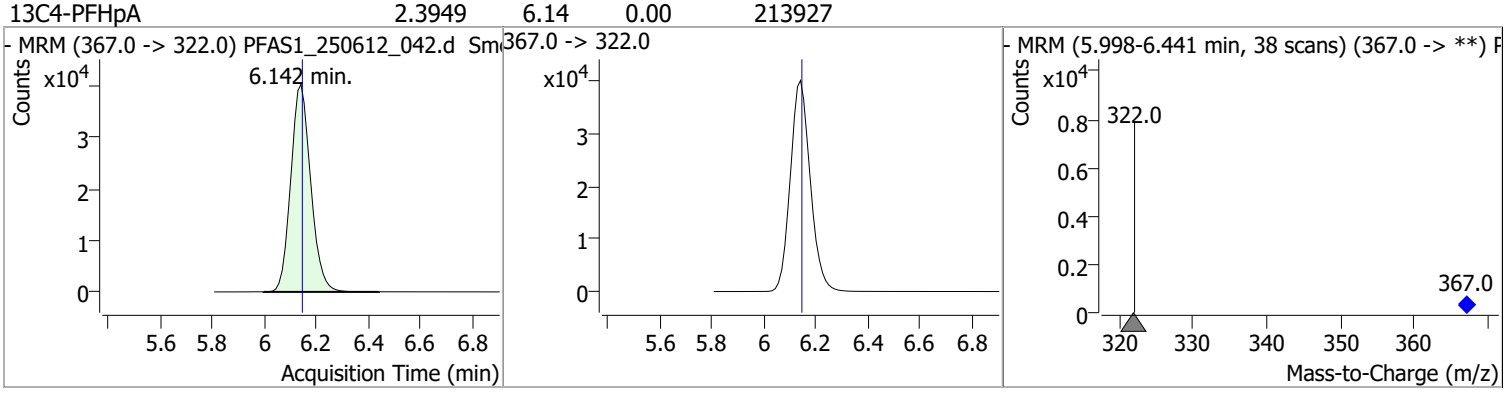
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



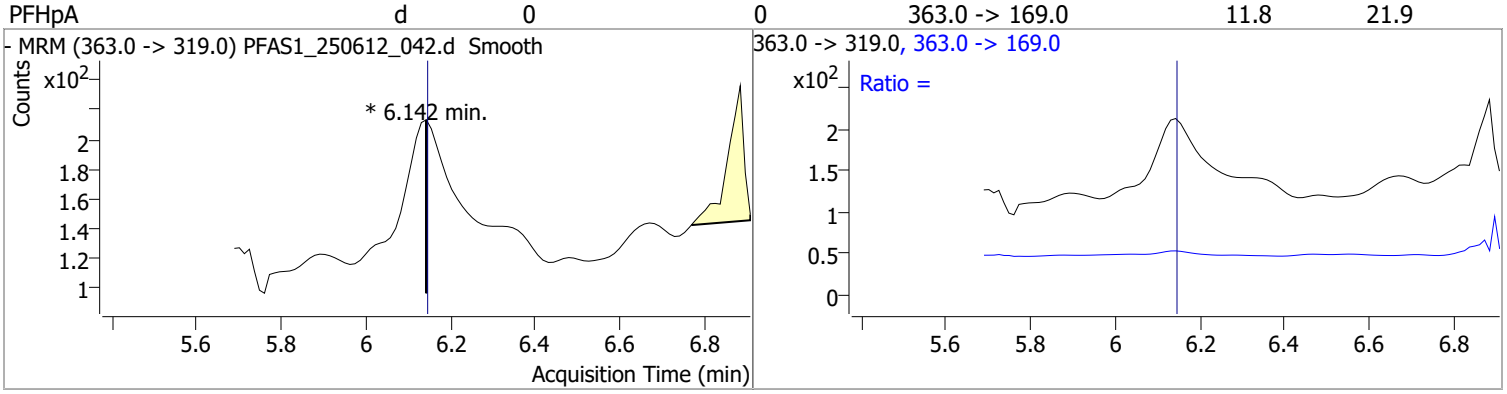
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



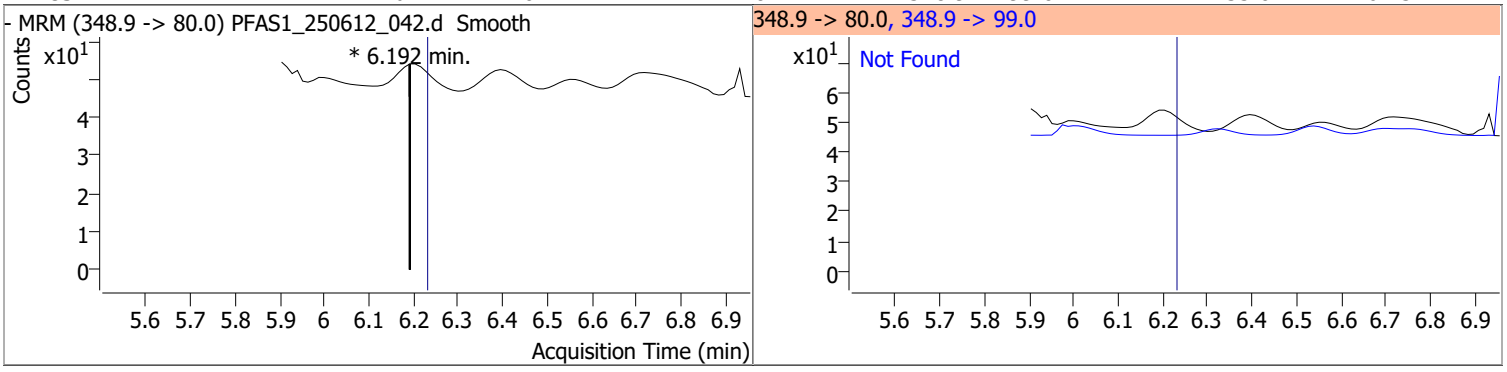
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3949	6.14	0.00	213927				



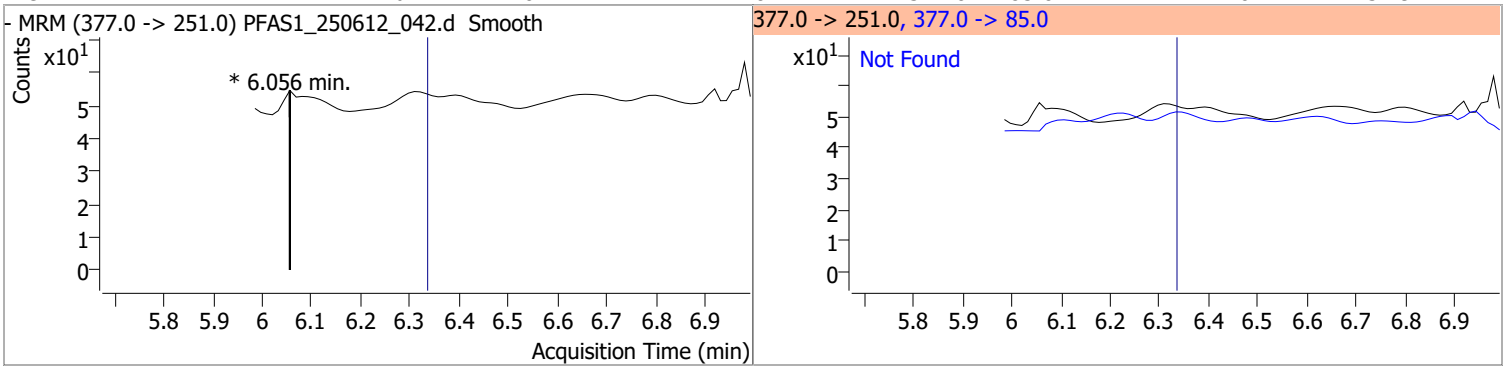
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



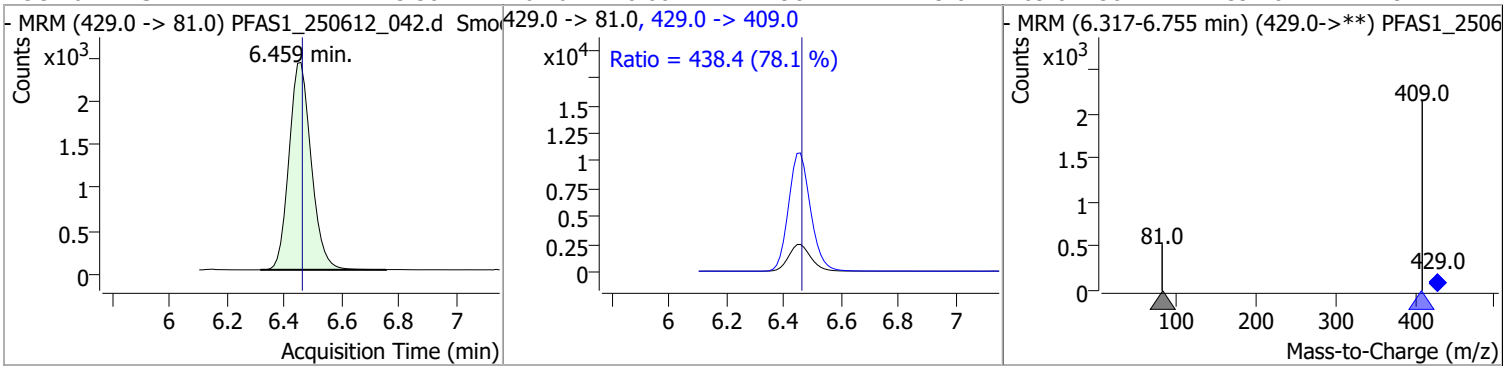
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



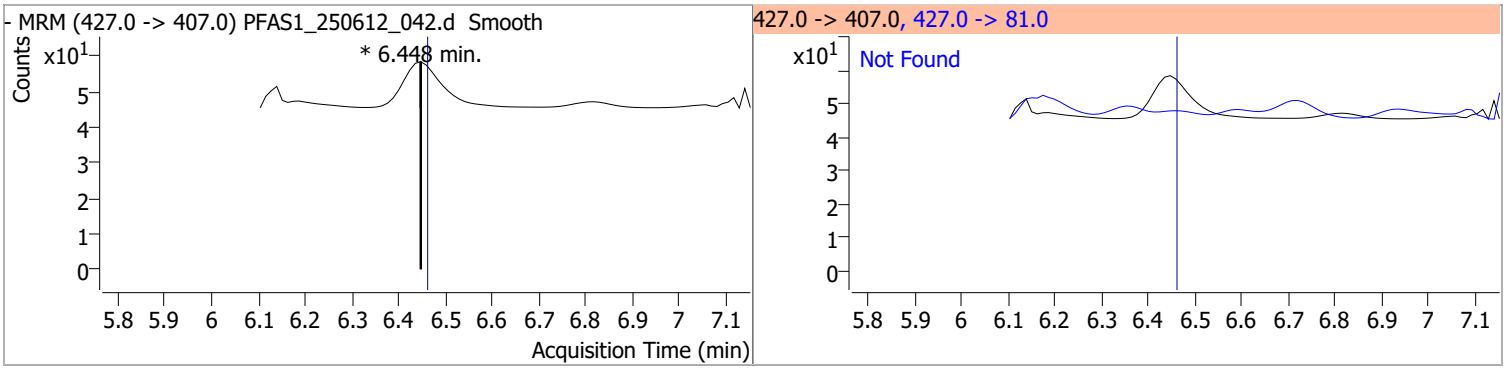
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



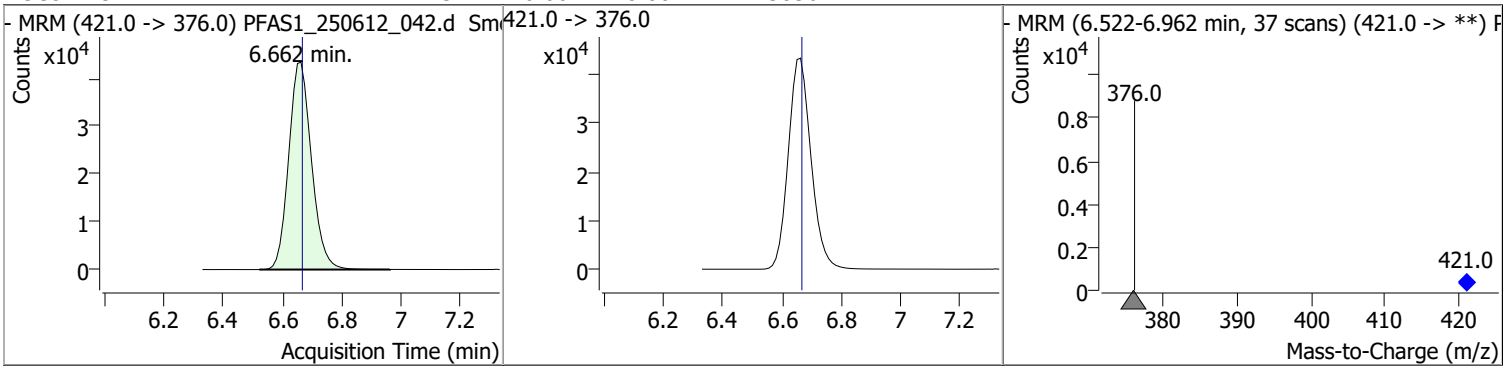
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5872	6.46	0.00	12981	429.0 -> 409.0	438.4	392.8	729.4



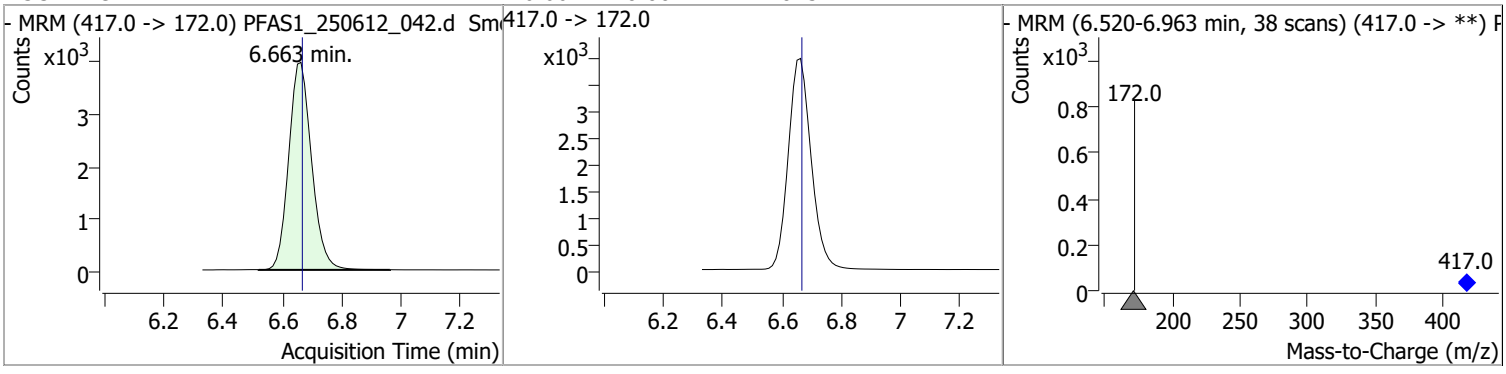
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



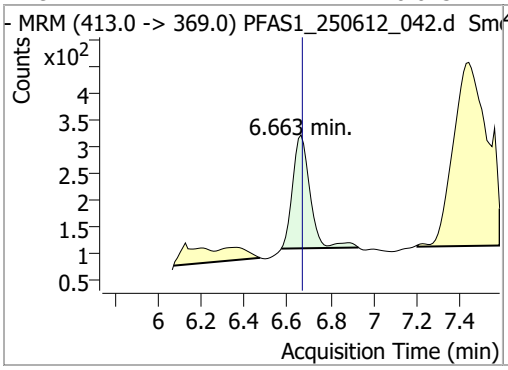
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4431	6.66	0.00	230564				

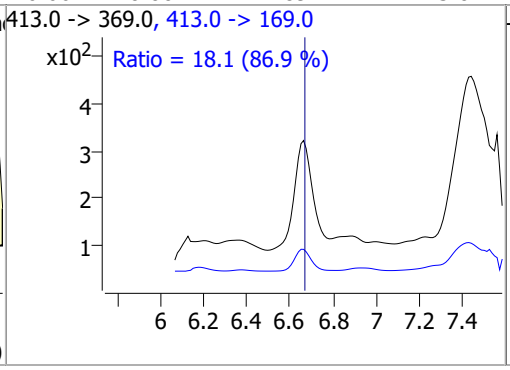


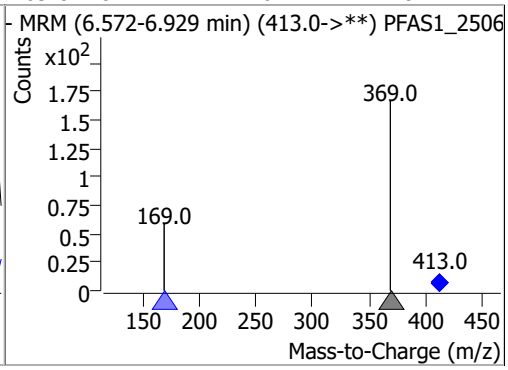
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21075				



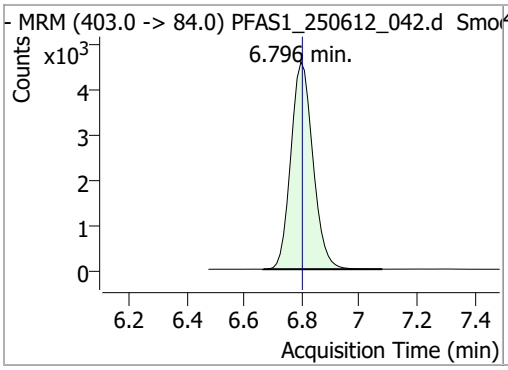
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0232	6.66	0.00	1189	413.0 -> 169.0	18.1	14.6	27.0

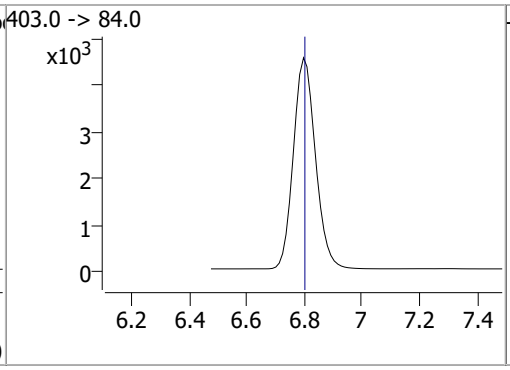


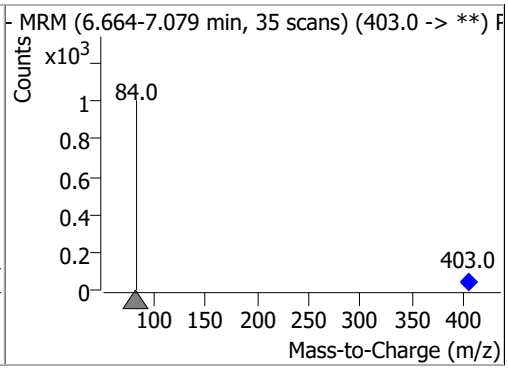




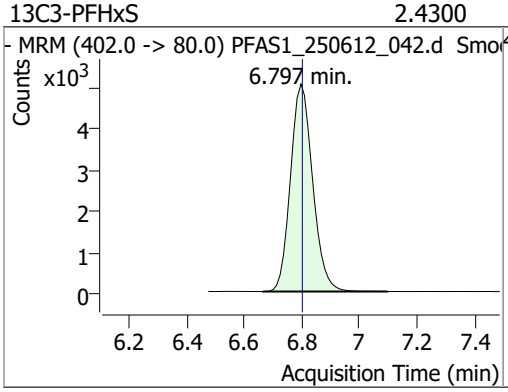
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24302				

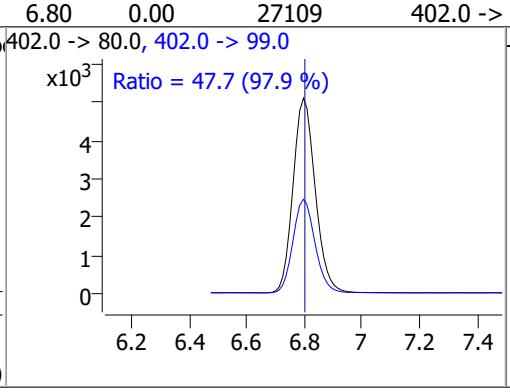


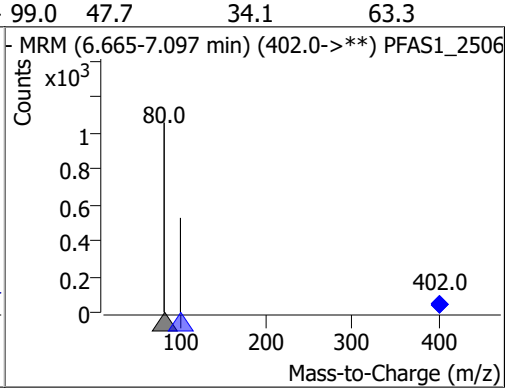




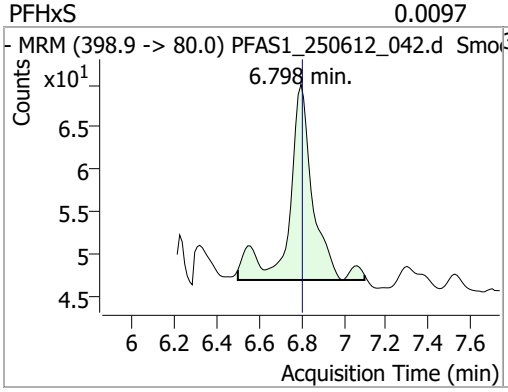
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4300	6.80	0.00	27109	402.0 -> 99.0	47.7	34.1	63.3

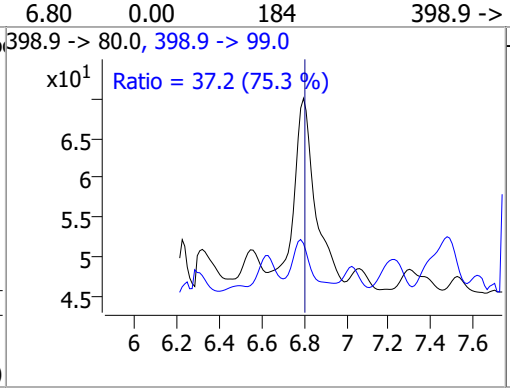


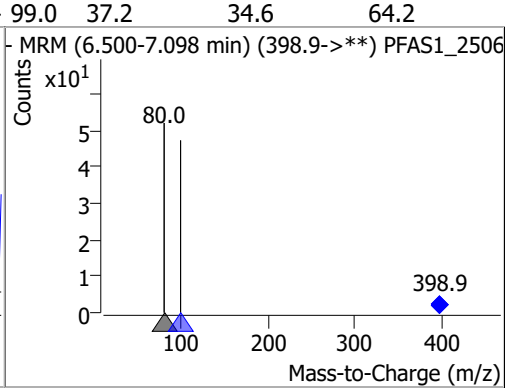




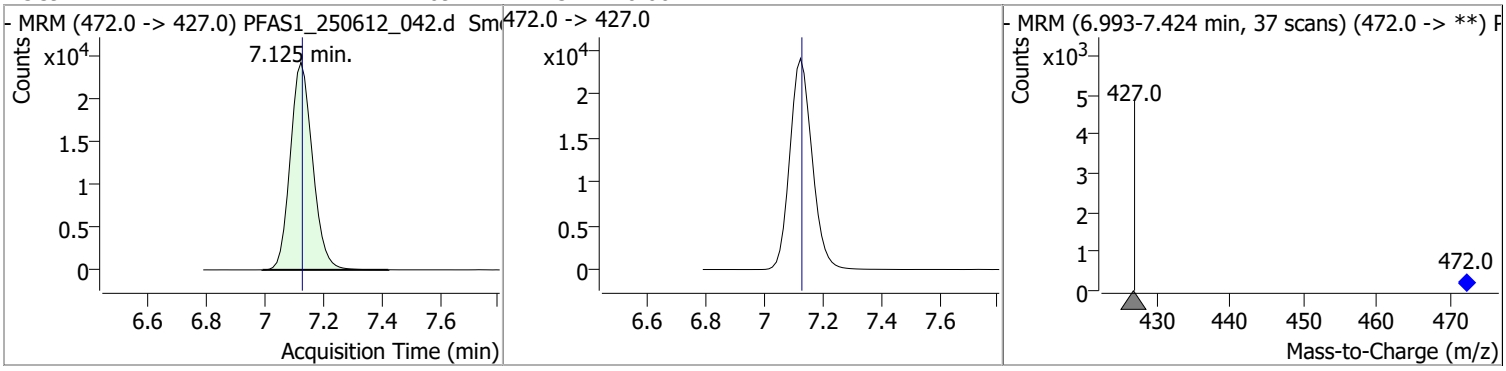
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0097	6.80	0.00	184	398.9 -> 99.0	37.2	34.6	64.2



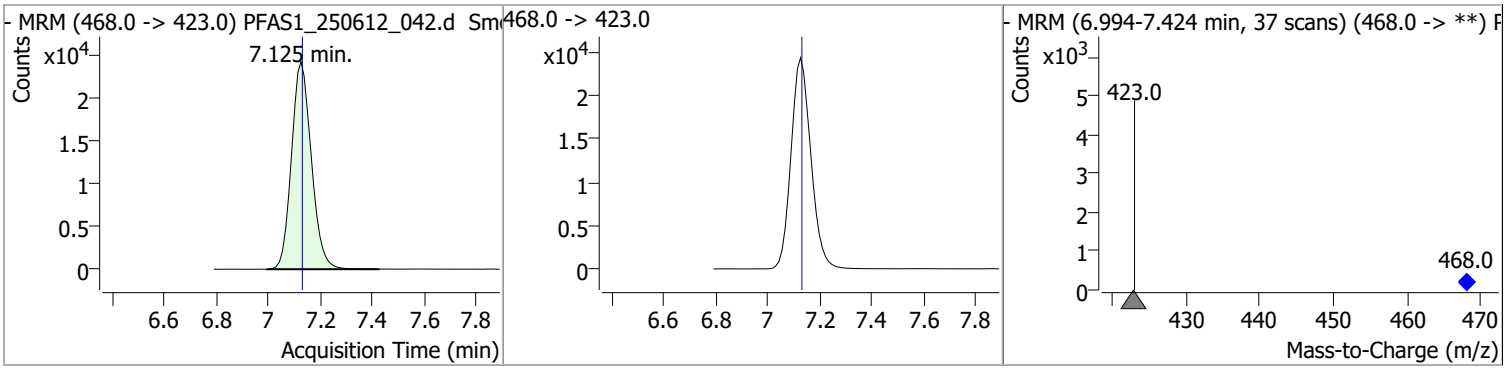




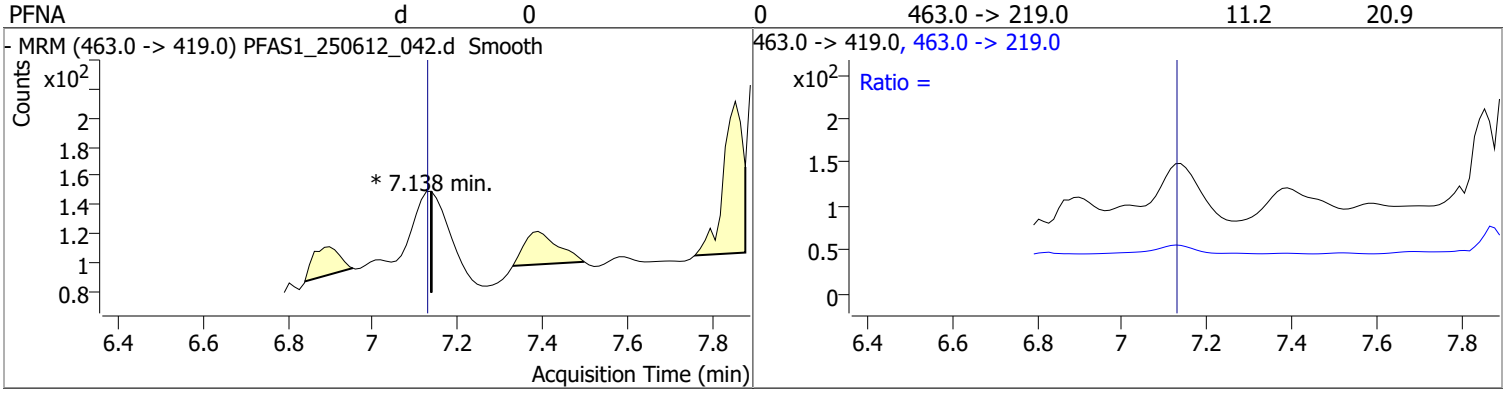
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2092	7.13	0.00	127127				



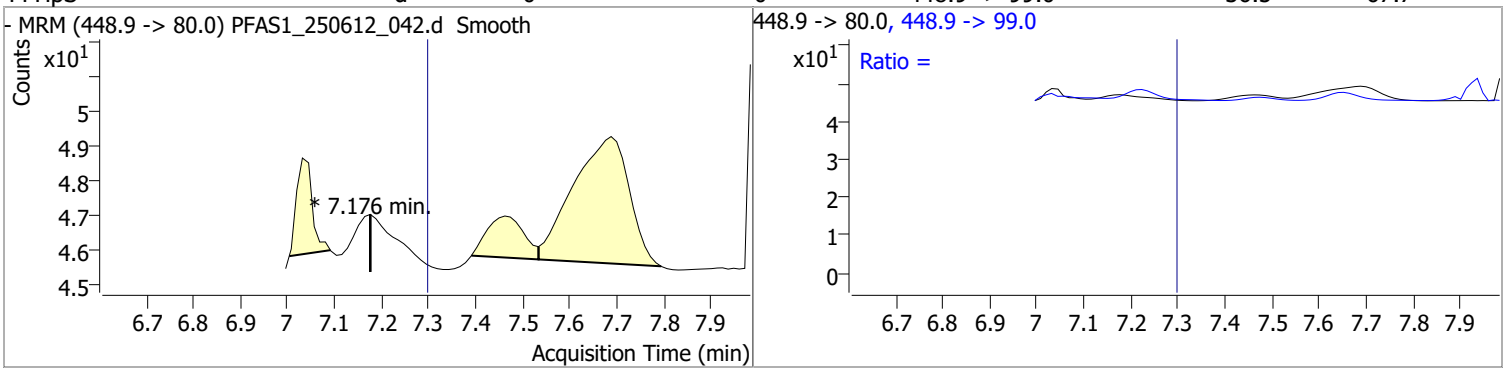
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128210				



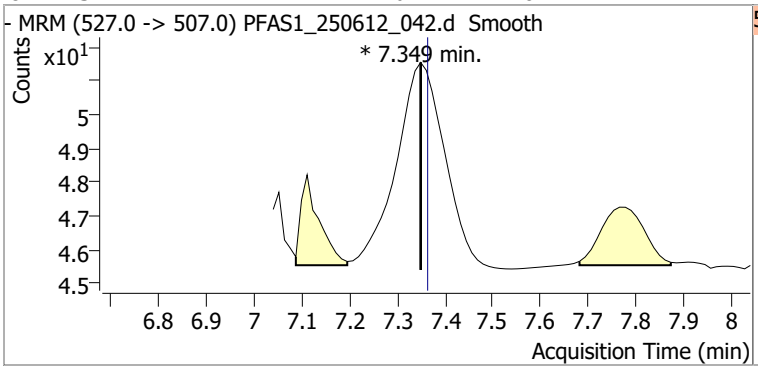
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

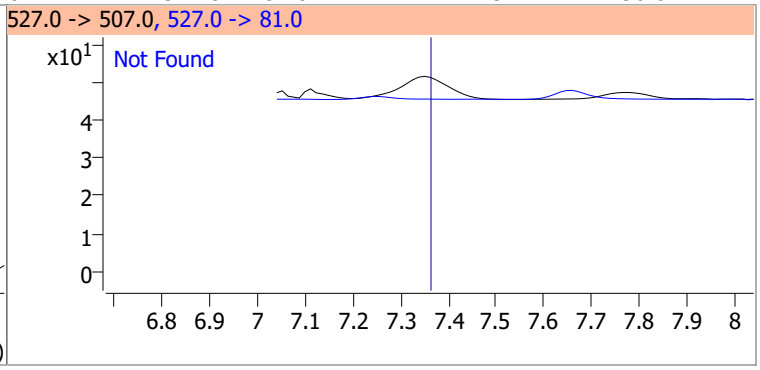


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

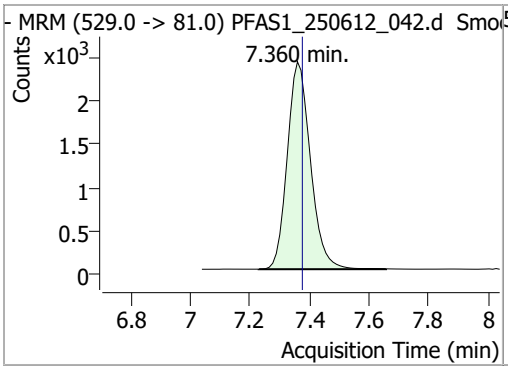


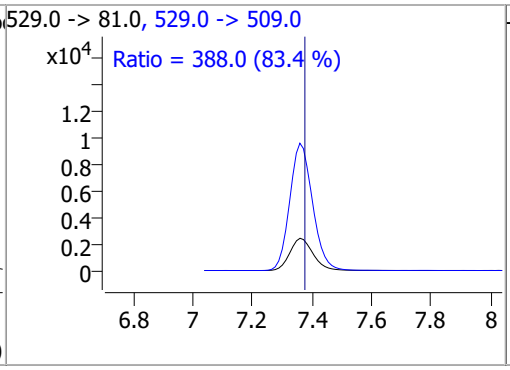
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

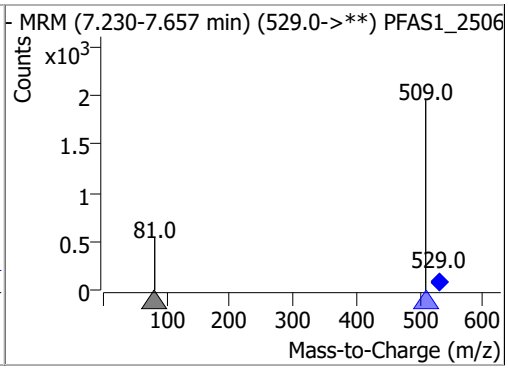




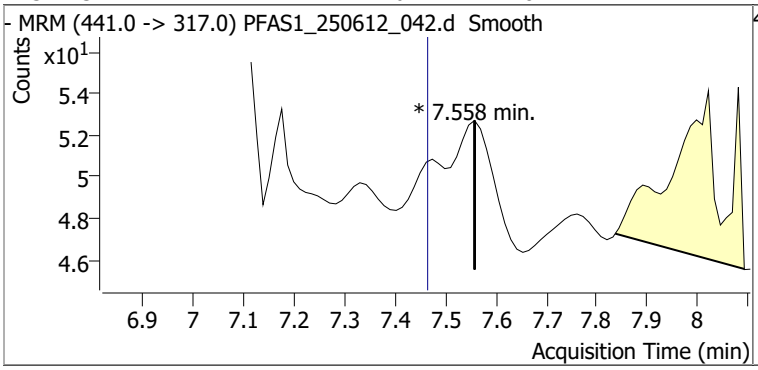
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1253	7.36	-0.01	13039	529.0 -> 509.0	388.0	325.6	604.6

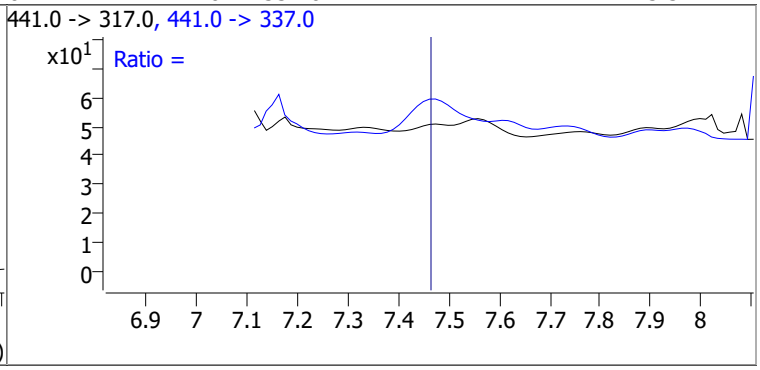




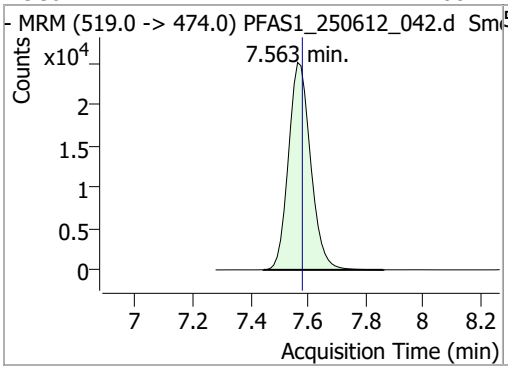


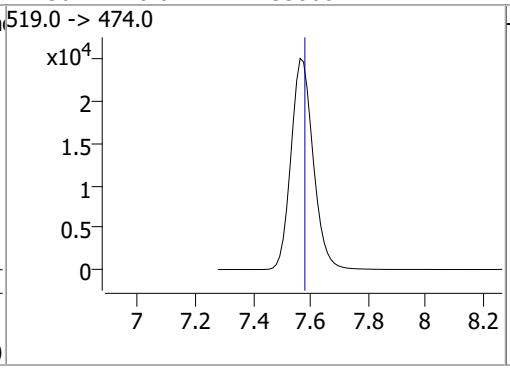
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

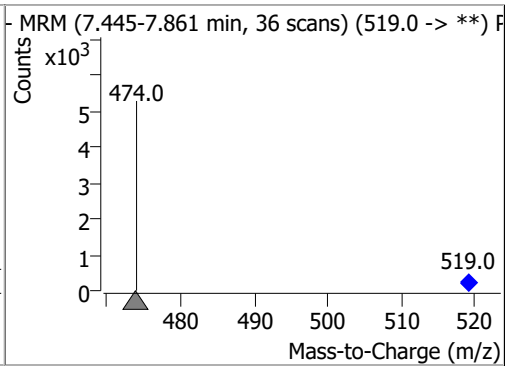




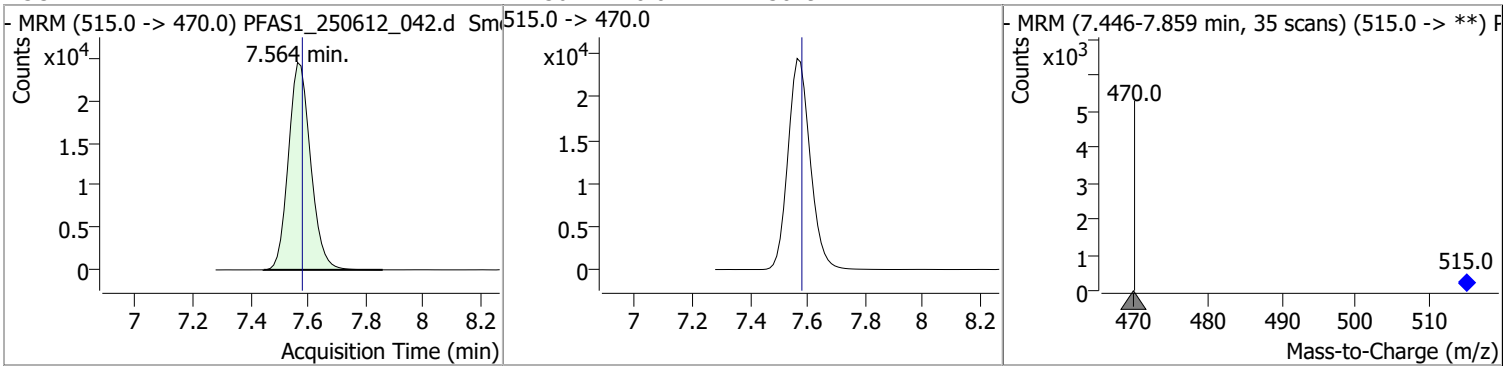
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2108	7.56	-0.01	133868				



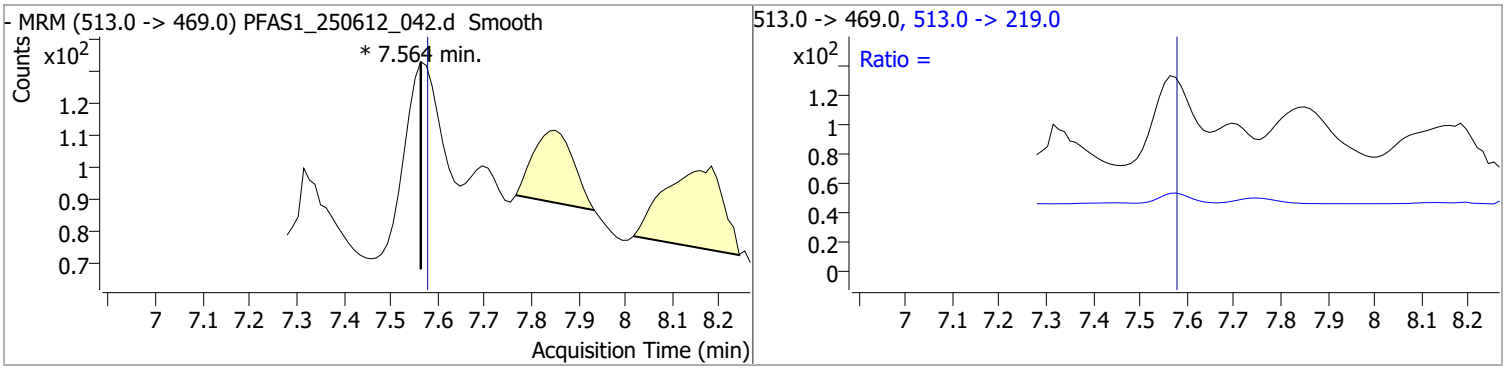




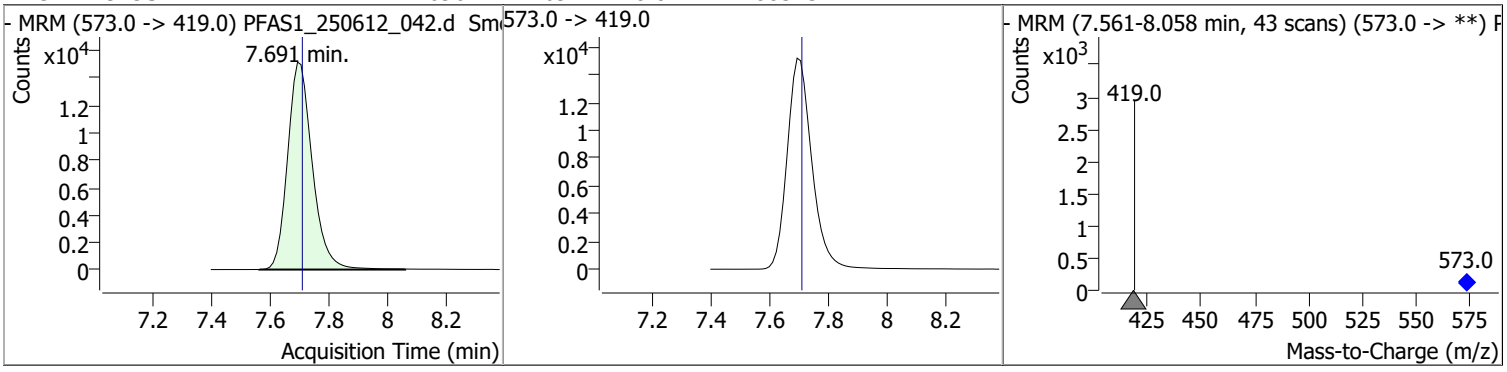
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	130191				



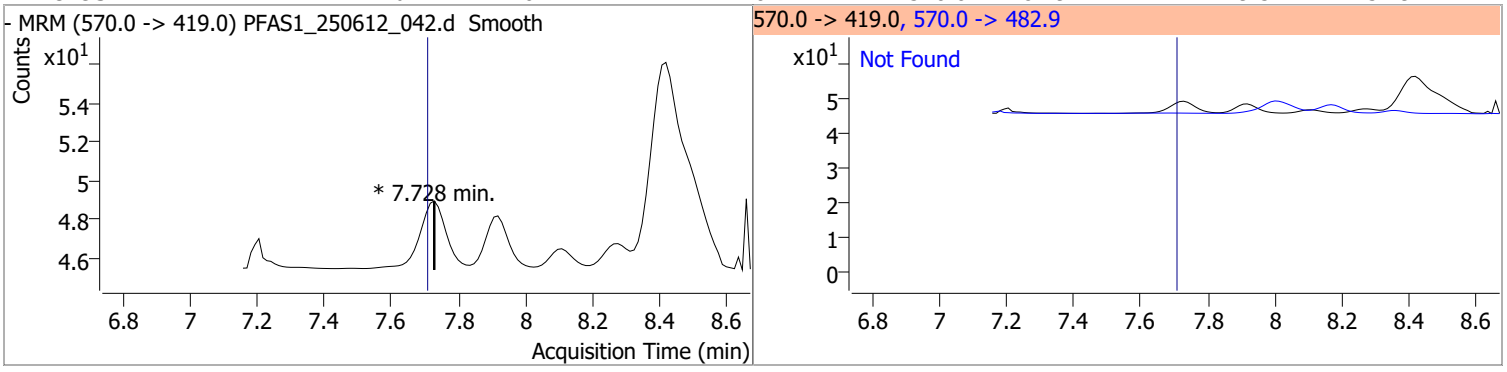
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



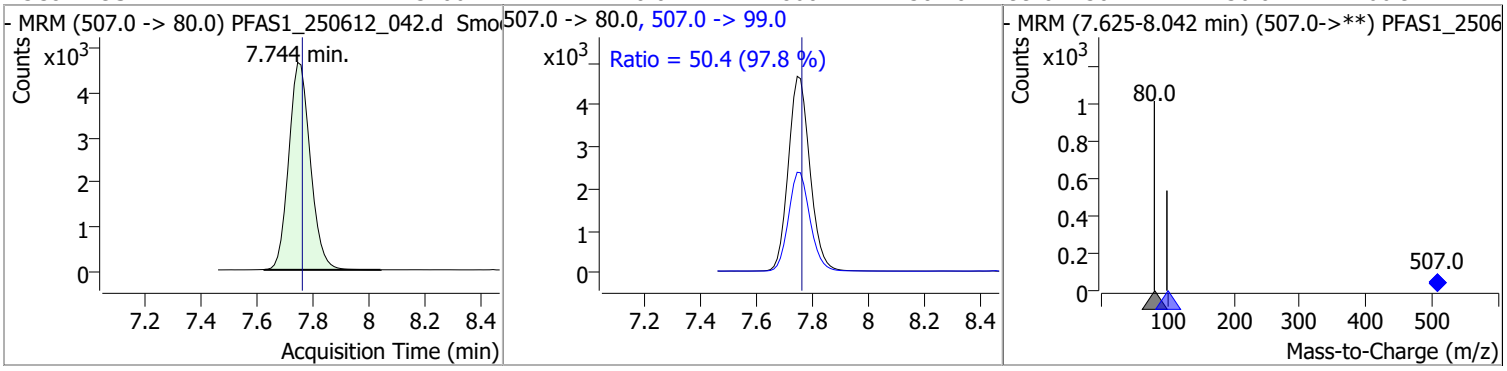
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4696	7.69	-0.01	88313				



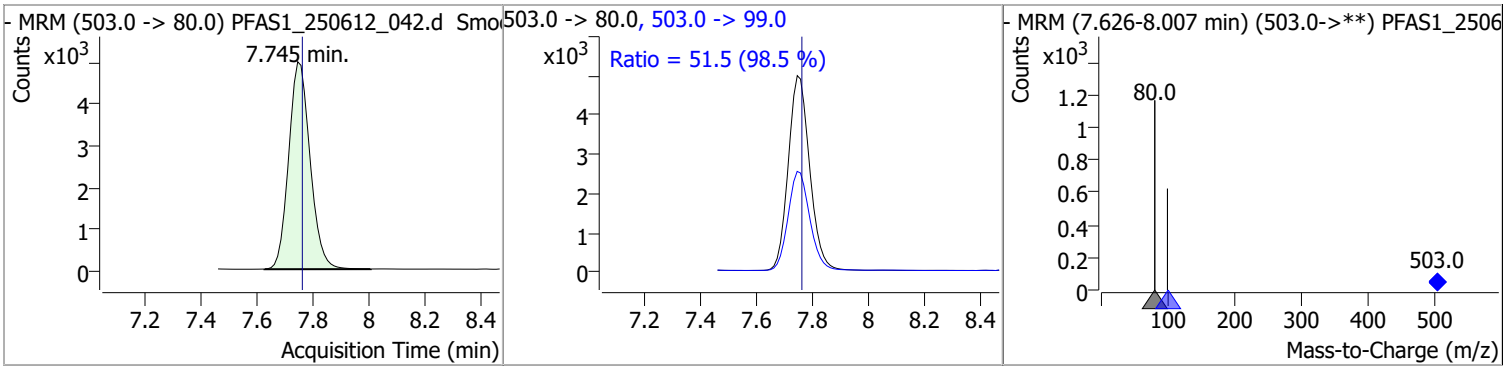
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



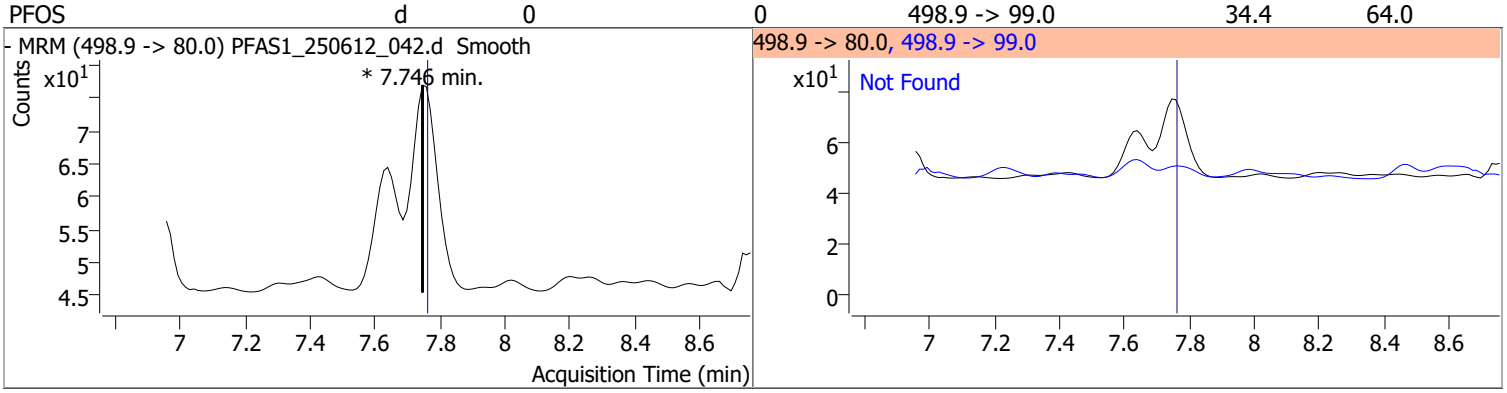
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3706	7.74	-0.01	24860	507.0 -> 99.0	50.4	36.0	66.9



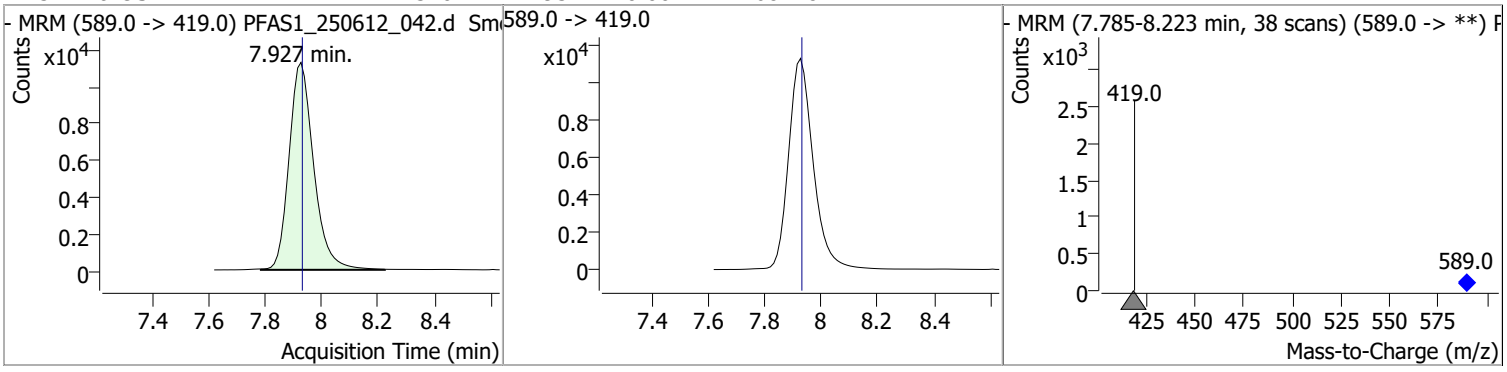
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26463	503.0 -> 99.0	51.5	36.6	67.9



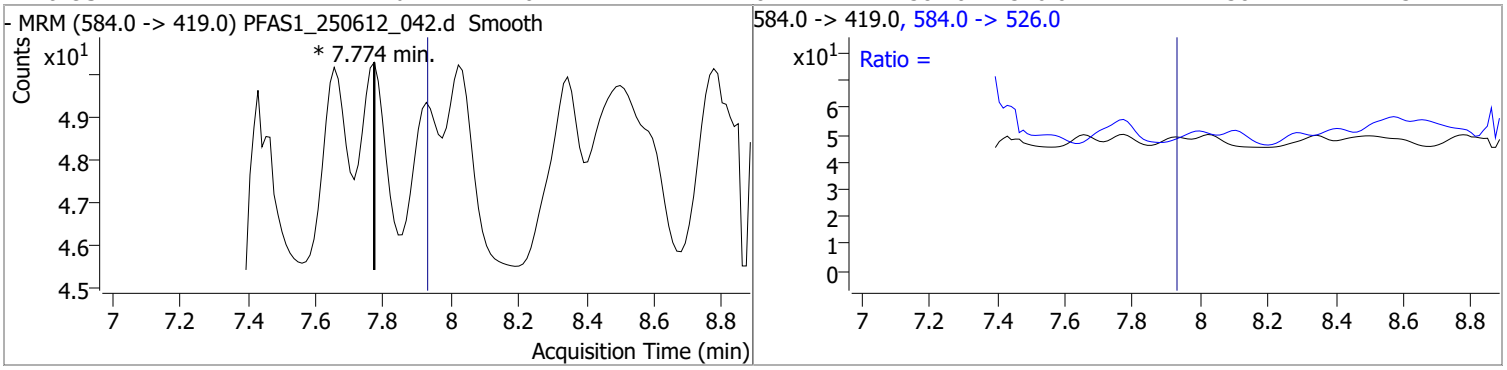
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	d	0		0	498.9 -> 99.0		34.4	64.0



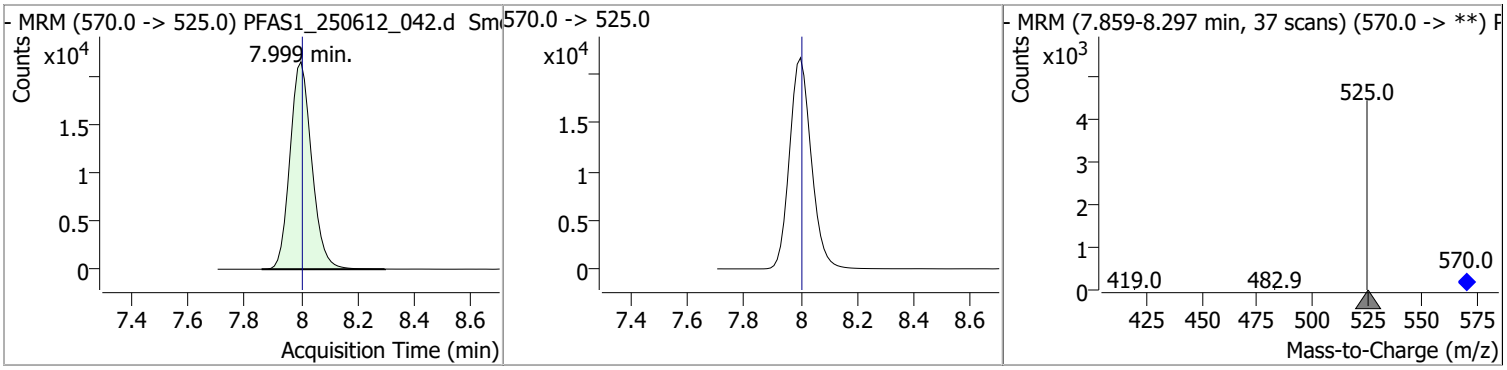
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.3104	7.93	0.00	68248				



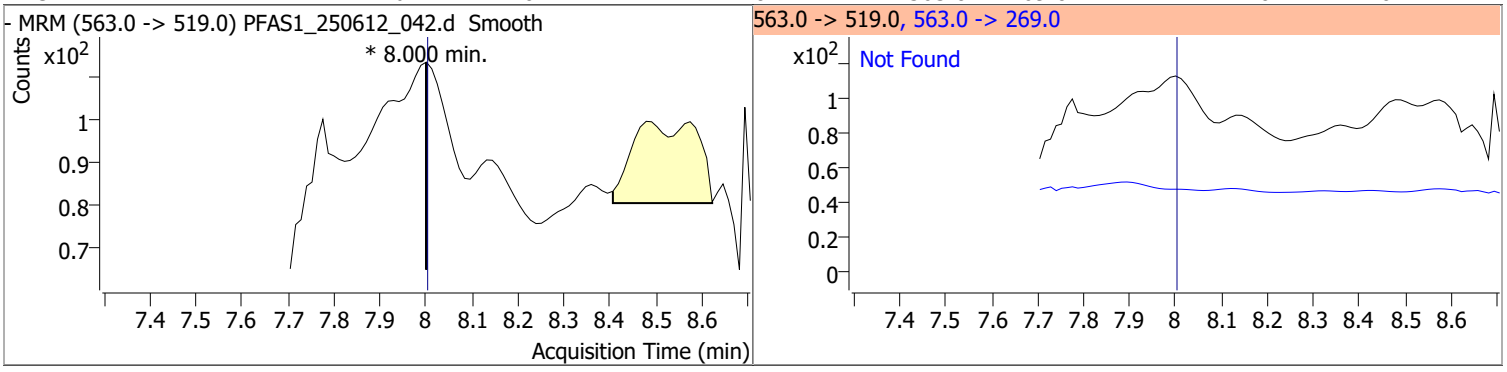
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



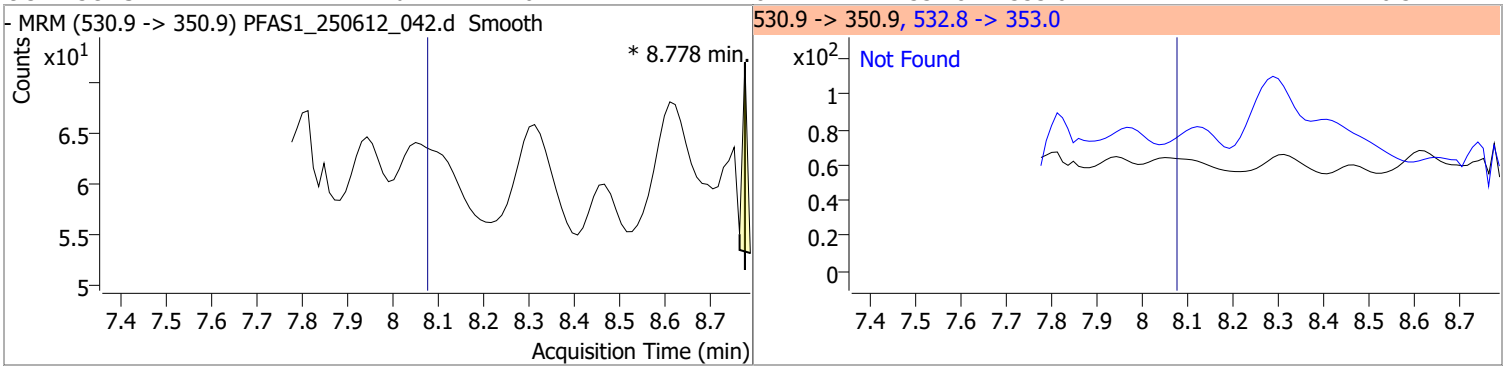
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2035	8.00	0.00	115528				



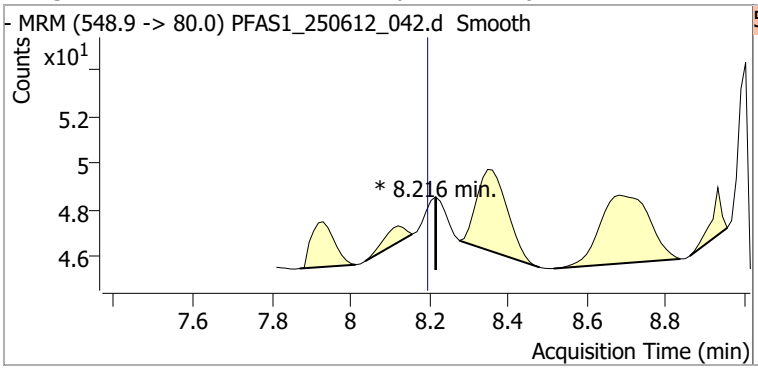
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4

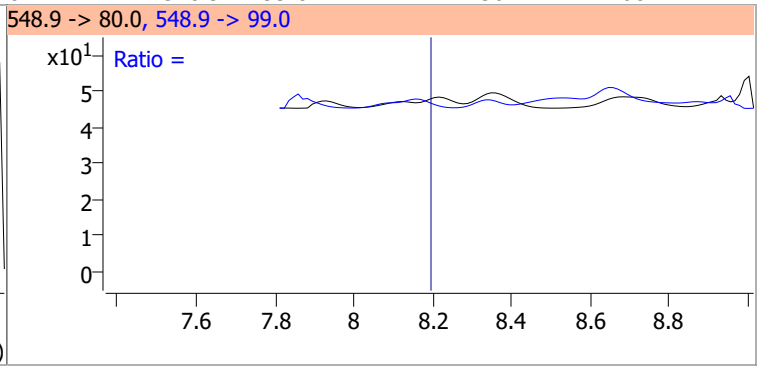


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

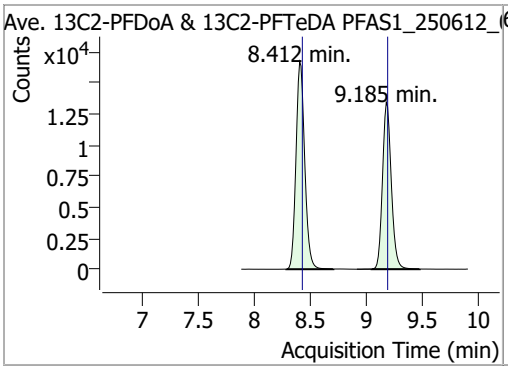


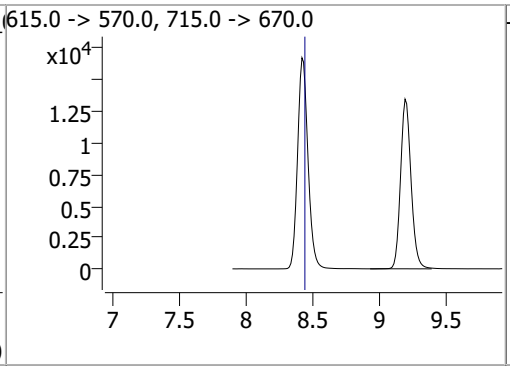
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

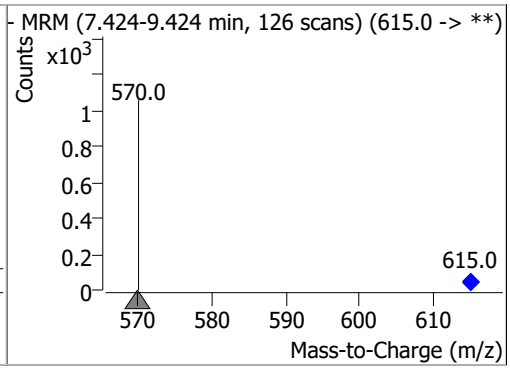




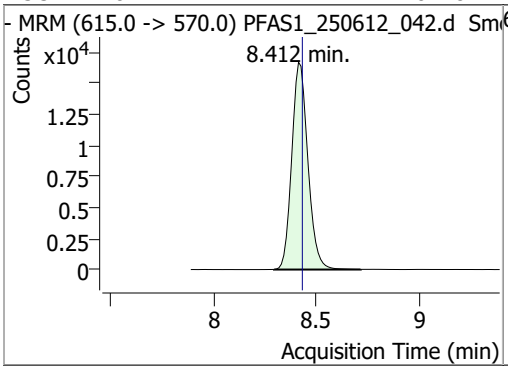
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9892	8.80	0.37	81582				

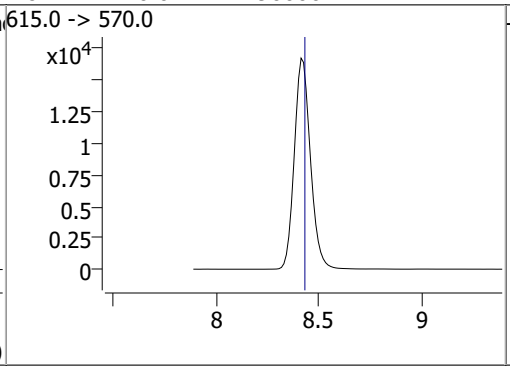


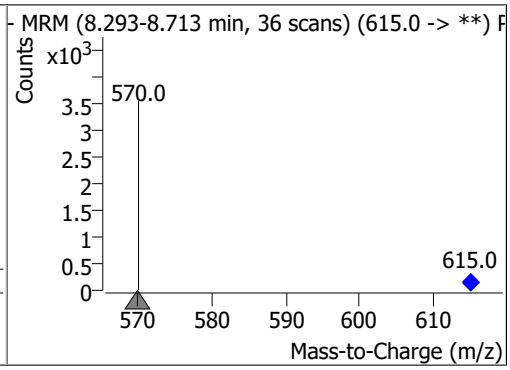




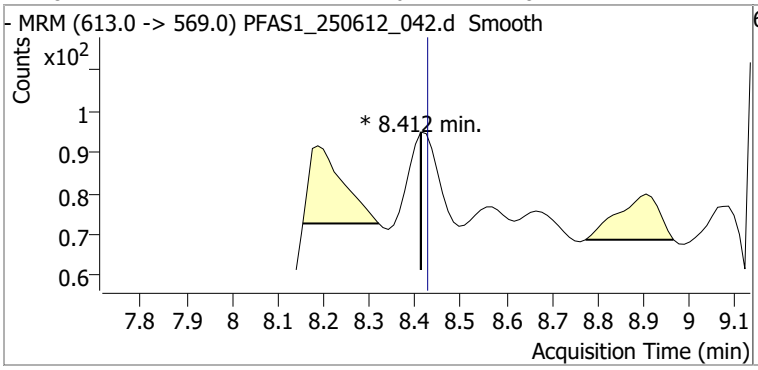
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0778	8.41	-0.01	90000				

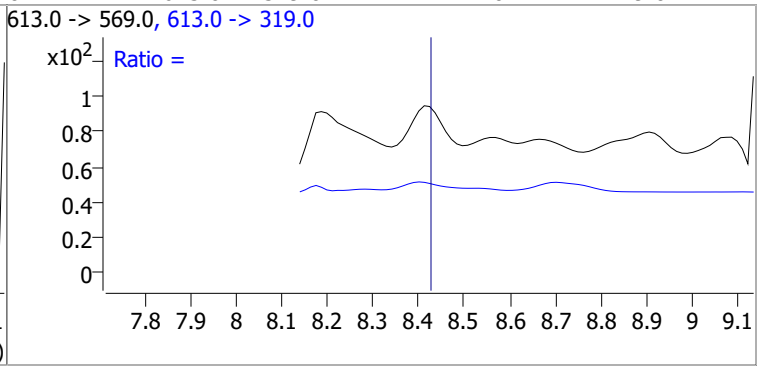




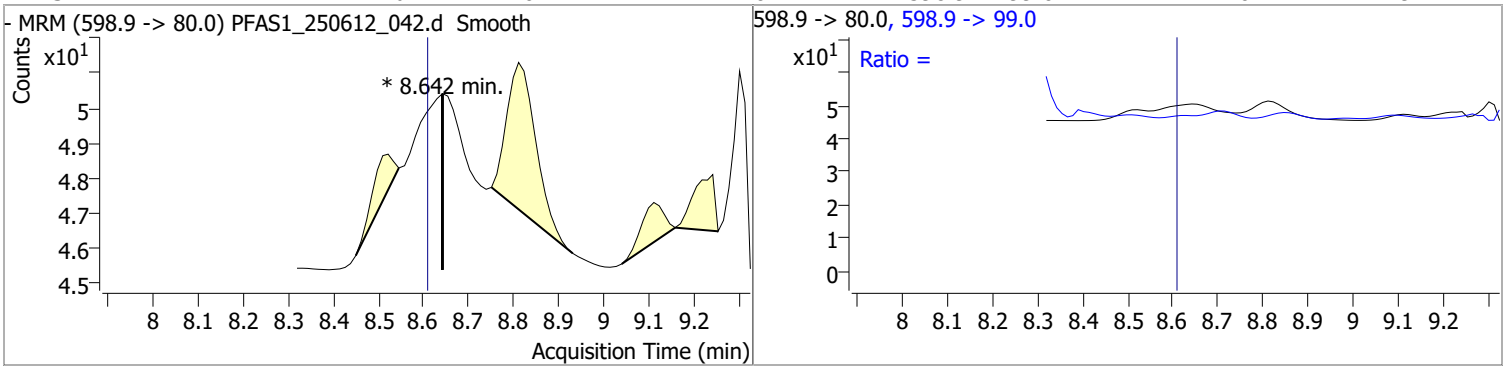


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

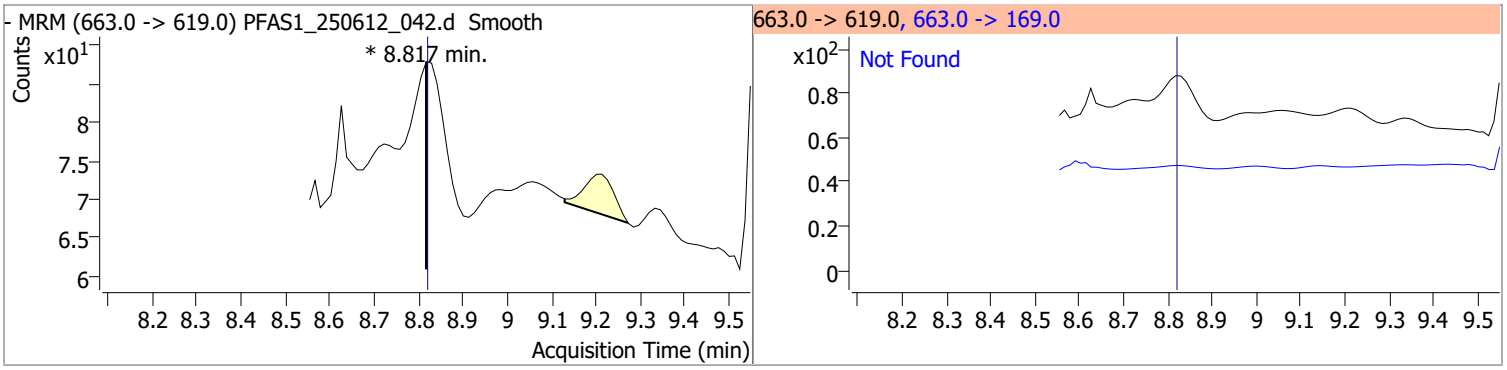




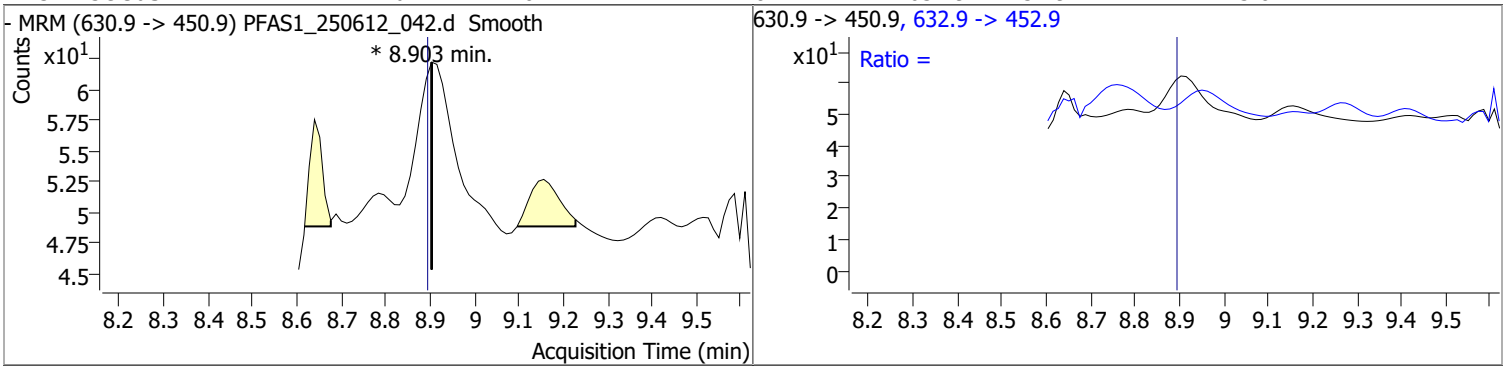
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



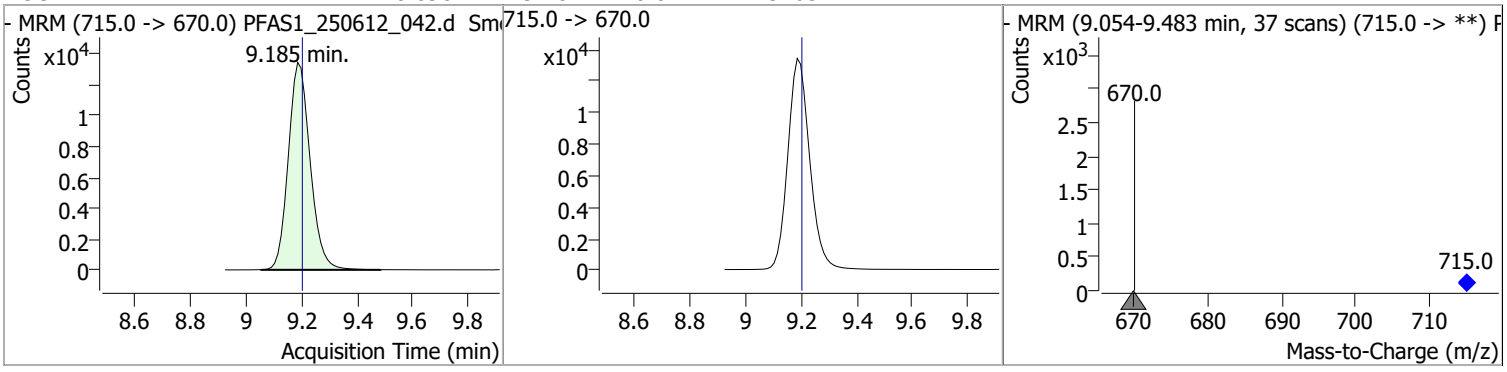
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



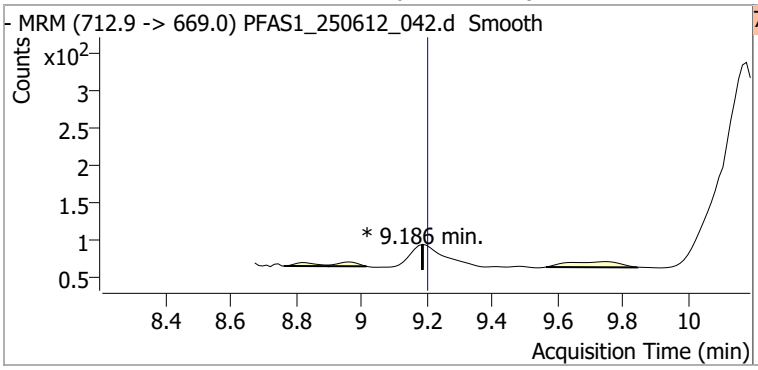
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

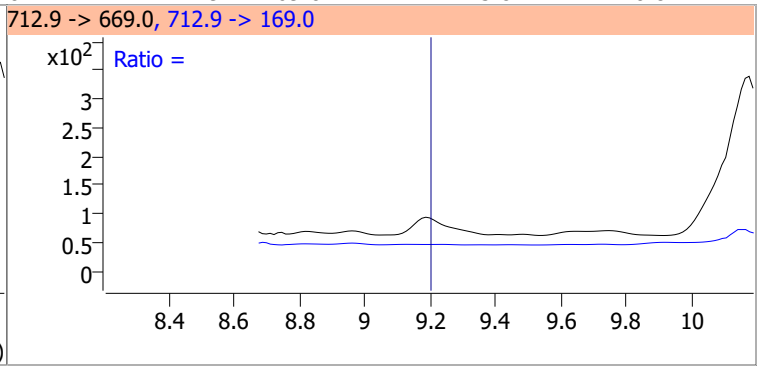


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8984	9.18	-0.01	73163				

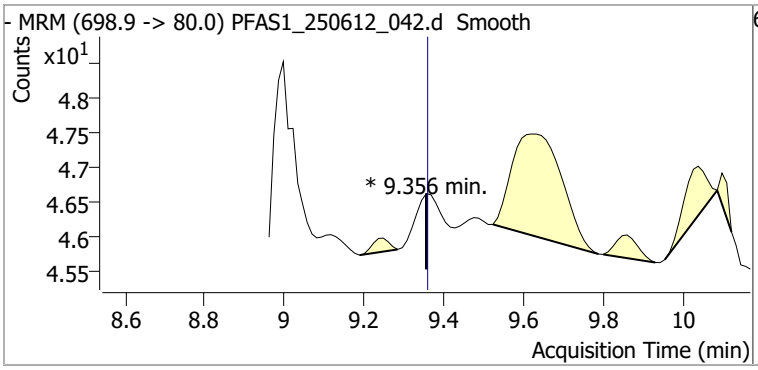


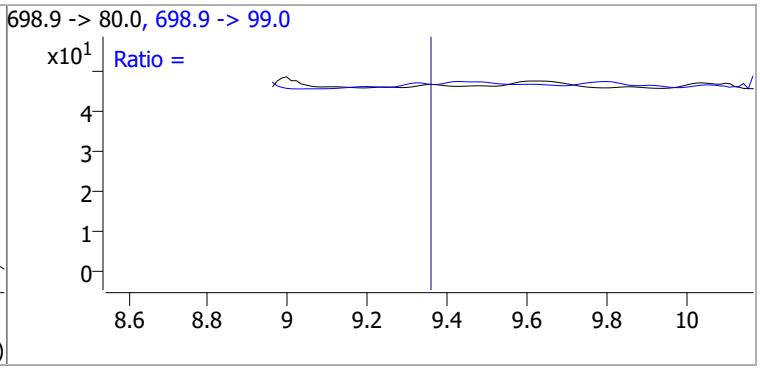
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



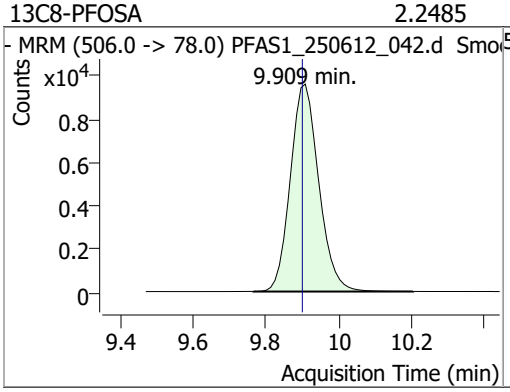


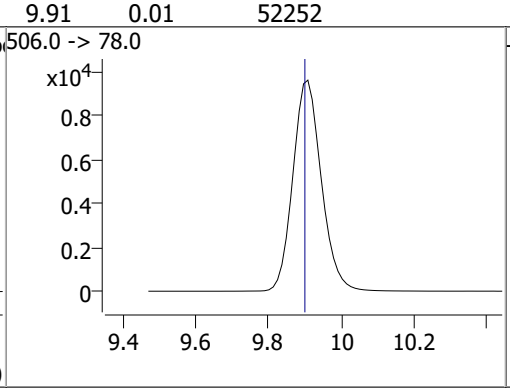
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

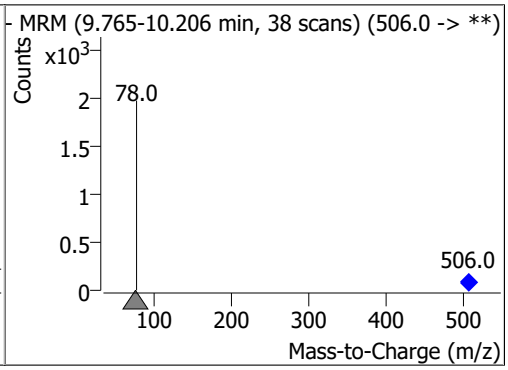




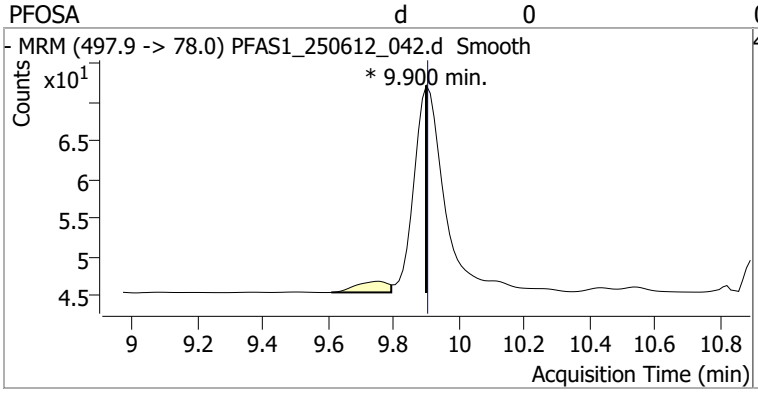
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2485	9.91	0.01	52252				

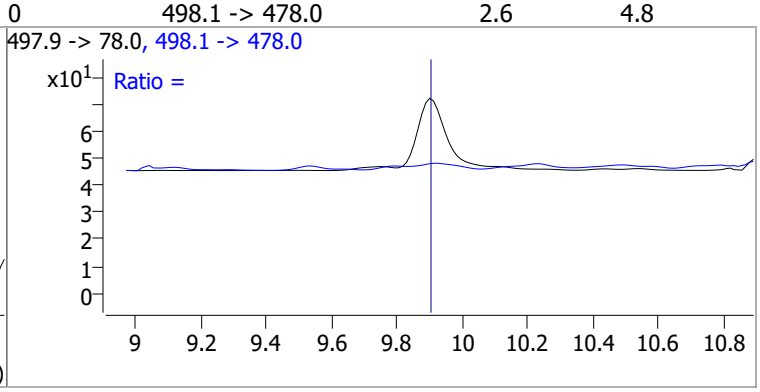




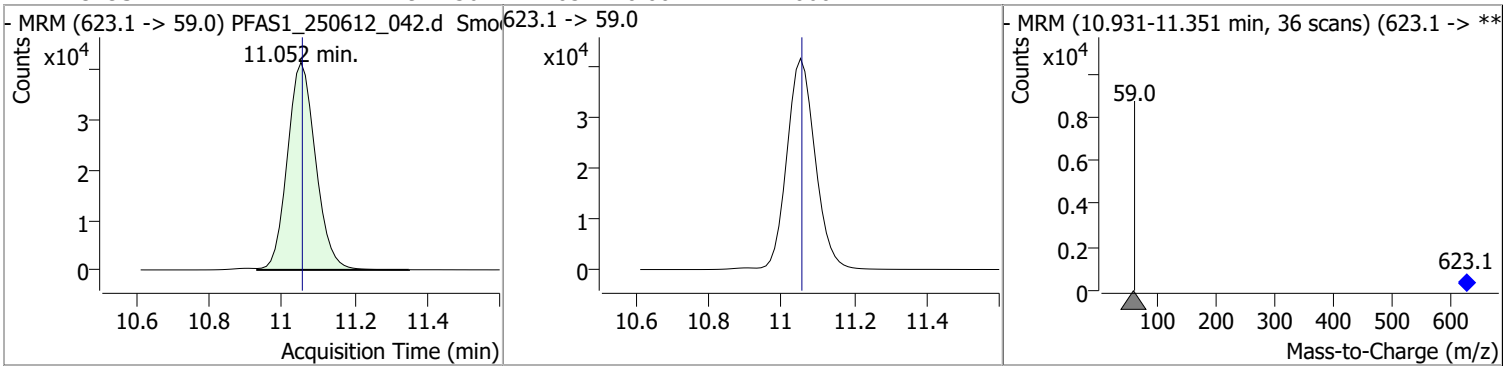


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

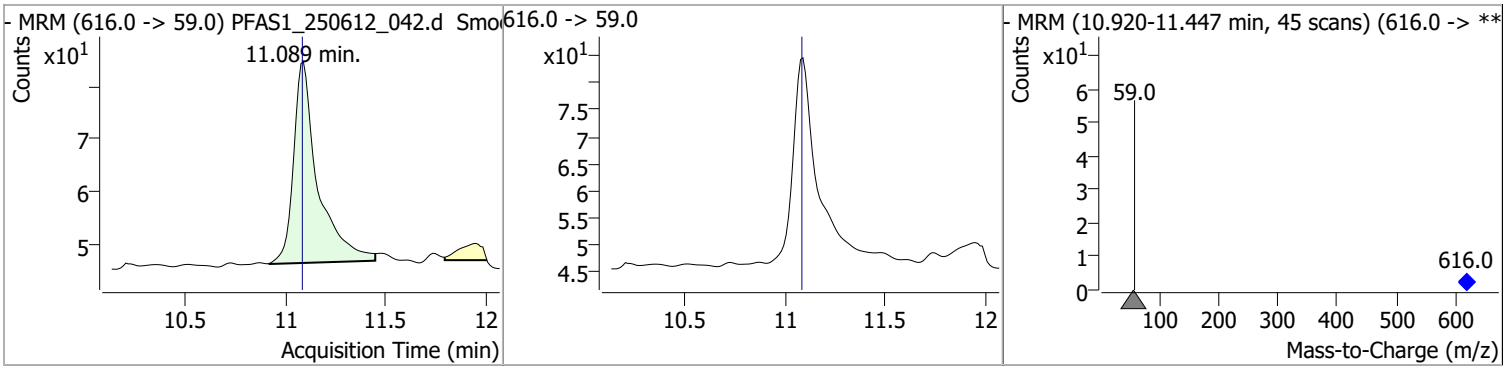




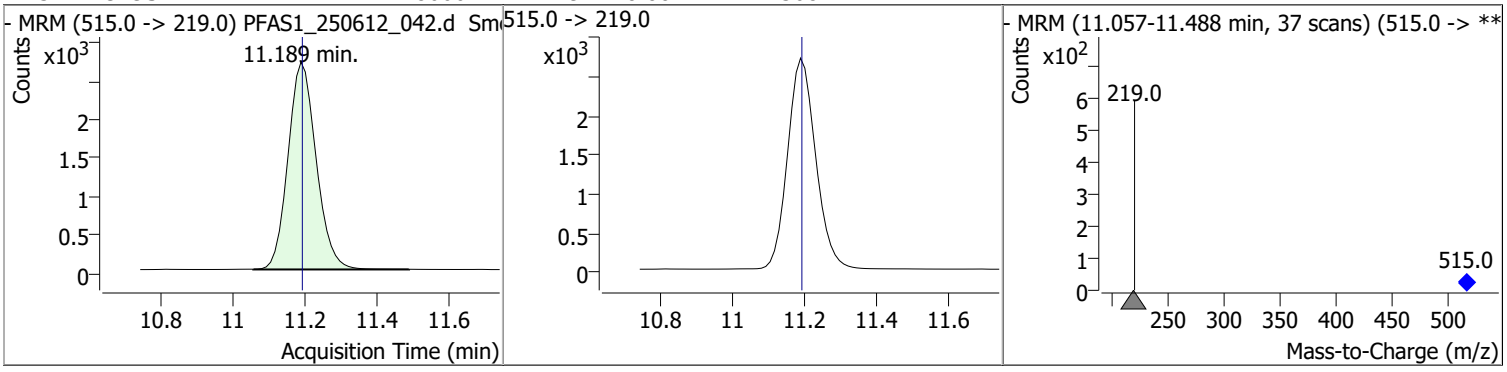
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.2436	11.05	0.00	224060				



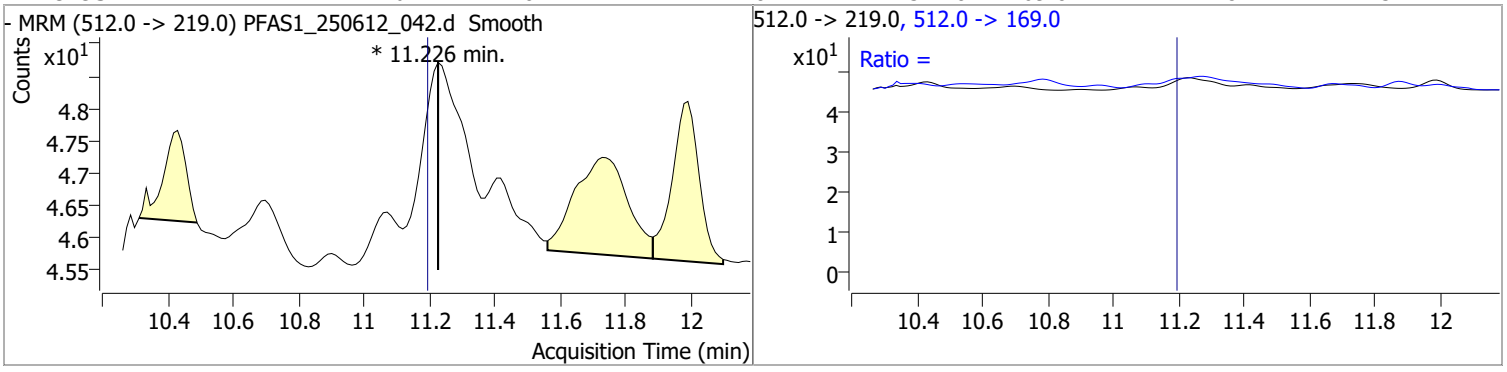
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	318				



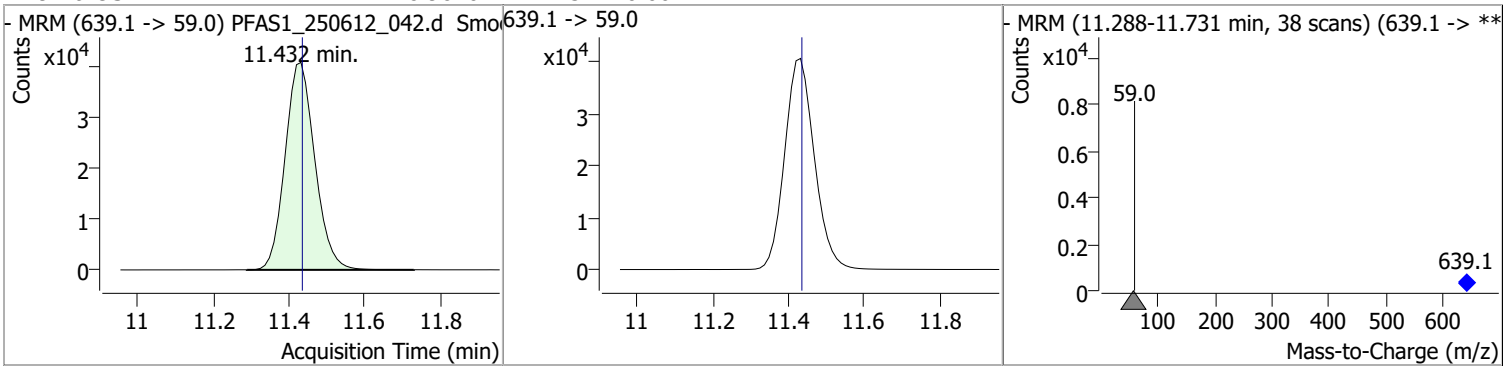
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.8666	11.19	0.00	14568				



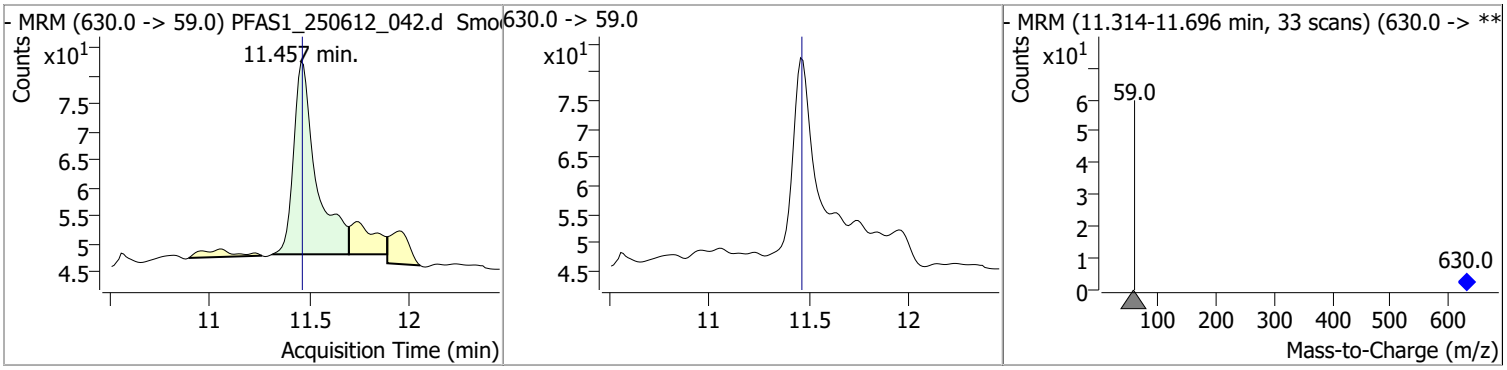
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



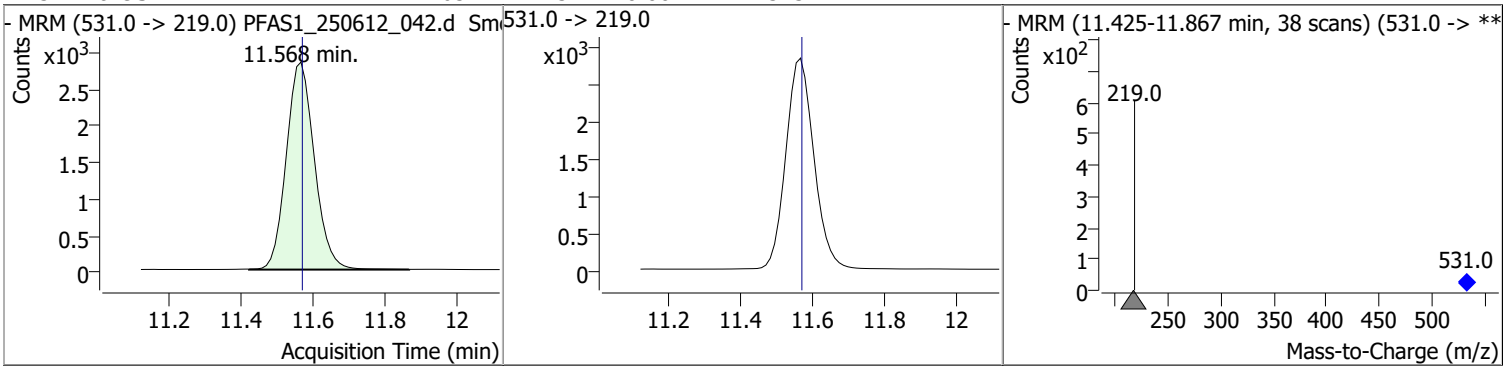
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	18.9840	11.43	0.00	221117				



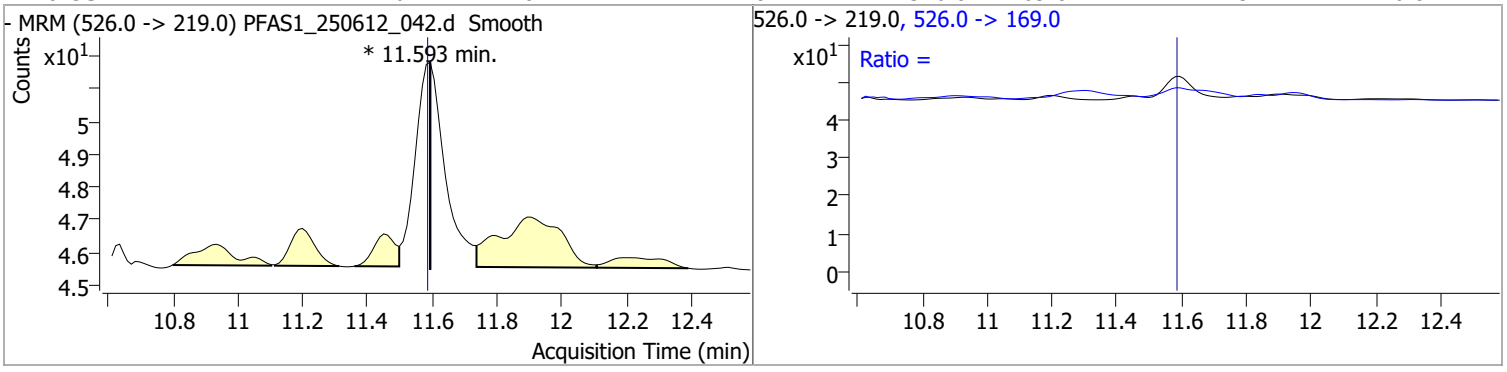
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	272				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.7765	11.57	0.00	15234				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_042.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 12:14:51 AM
Sample Name	O25F0365-03	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

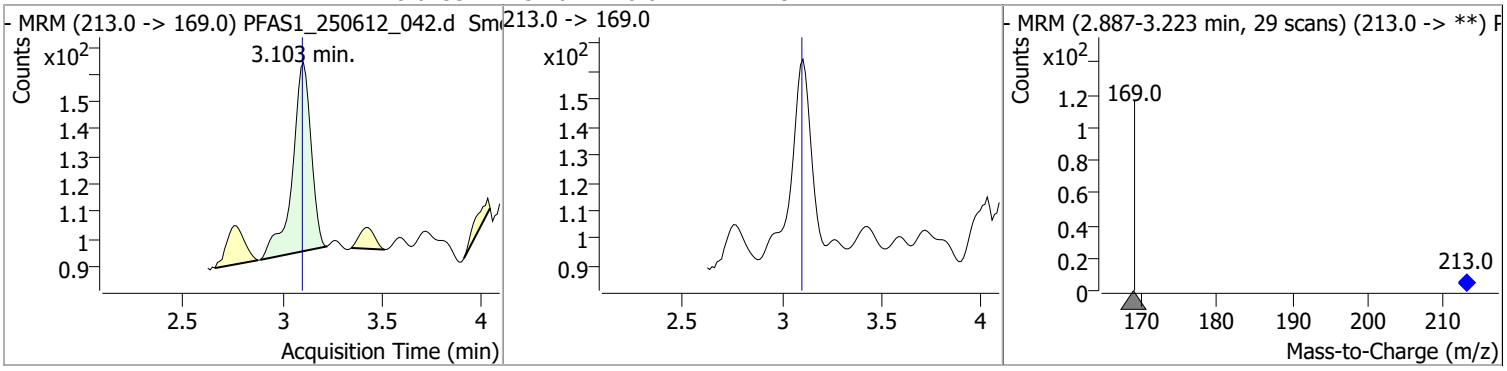
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	167524	5.0000	µg/L	5.909
13C2-PFHxA	5.491	315.0 -> 270.0	187069	2.5000	µg/L	4.697
18O2-PFHxS	6.796	403.0 -> 84.0	24302	2.5000	µg/L	3.410
13C4-PFOA	6.663	417.0 -> 172.0	21075	2.5000	µg/L	4.356
13C5-PFNA	7.125	468.0 -> 423.0	128210	1.2500	µg/L	7.129
13C2-PFDA	7.564	515.0 -> 470.0	130191	1.2500	µg/L	4.044
13C4-PFOS	7.745	503.0 -> 80.0	26463	2.5000	µg/L	5.996
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	231614	10.0000	µg/L	-36.543
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 59.88%		
13C4-PFBA	3.107	217.0 -> 172.0	231614	10.0000	µg/L	-36.543
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 59.88%		
13C5-PFPeA	4.594	268.0 -> 223.0	272167	5.0000	µg/L	0.891
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.40%		
13C5-PFPeA	4.594	268.0 -> 223.0	272167	5.0000	µg/L	0.891
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 96.40%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20703	5.0000	µg/L	28.470
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 124.88%		
13C5-PFHxA	5.490	318.0 -> 273.0	188059	2.5000	µg/L	2.206
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.60%		
13C5-PFHxA	5.490	318.0 -> 273.0	188059	2.5000	µg/L	2.206
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.60%		
13C3-PFBS	5.505	302.0 -> 80.0	43773	2.5000	µg/L	2.688
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.50%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213928	10.0000	µg/L	-3.581
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.06%		
13C4-PFHpA	6.142	367.0 -> 322.0	213927	2.5000	µg/L	0.342
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.80%		
13C3-PFHxS	6.797	402.0 -> 80.0	27109	2.5000	µg/L	0.472
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.20%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12981	5.0000	µg/L	15.111
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 111.74%		
13C8-PFOA	6.662	421.0 -> 376.0	230564	2.5000	µg/L	2.067
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.72%		
13C3-PFHxS	6.797	402.0 -> 80.0	27109	2.5000	µg/L	0.472
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.20%		
13C9-PFNA	7.125	472.0 -> 427.0	127127	1.2500	µg/L	3.606
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.74%		
13C8-PFOS	7.744	507.0 -> 80.0	24860	2.5000	µg/L	0.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.82%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13039	5.0000	µg/L	5.936
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.51%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13039	5.0000	µg/L	5.936
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.51%		
13C6-PFDA	7.563	519.0 -> 474.0	133868	1.2500	µg/L	0.726

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.87%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	88313	5.0000	µg/L		-4.979
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 89.39%			
13C8-PFOS	7.744	507.0 -> 80.0	24860	2.5000	µg/L		0.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.82%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	68248	5.0000	µg/L		-8.442
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 86.21%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115528	1.2500	µg/L		0.143
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.28%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	81582	1.2500	µg/L		-17.597
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 79.14%			
13C2-PFDoDA	8.412	615.0 -> 570.0	90000	1.2500	µg/L		-10.224
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 86.22%			
13C2-PFTDA	9.185	715.0 -> 670.0	73163	1.2500	µg/L		-25.158
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 71.87%			
13C8-PFOSA	9.909	506.0 -> 78.0	52252	2.5000	µg/L		-4.465
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 89.94%			
2H7-MeFOSE	11.052	623.1 -> 59.0	224060	25.0000	µg/L		-18.437
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 76.97%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	14568	2.5000	µg/L		-20.624
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 74.67%			
2H9-EtFOSE	11.432	639.1 -> 59.0	221117	25.0000	µg/L		-19.528
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 75.94%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15234	2.5000	µg/L		-24.573
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 71.06%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	449	0.0733	µg/L		100
PFMPA	3.770	229.0 -> 85.0	9	0.0372	µg/L		100
3-3 FTCA	4.467	241.0 -> 177.0	52	0.0770	µg/L		21
PFPeA	4.596	263.0 -> 219.0	538	0.0403	µg/L		100
PFMBA	0.000		0	N.D.			
4-2 FTSA	5.251	327.0 -> 307.0	29	0.0072	µg/L	#	1
NFDHA	5.958	295.0 -> 201.0	10	0.0000	µg/L		48
PFHxA	5.492	313.0 -> 269.0	466	0.0128	µg/L		89
PFBS	5.495	298.9 -> 80.0	160	0.0020	µg/L	#	76
HFPO-DA	5.736	285.0 -> 169.0	56	0.0116	µg/L		33
PFEESA	5.884	314.9 -> 135.0	25	0.0000	µg/L		80
5-3 FTCA	6.180	341.0 -> 237.0	103	0.6664	µg/L		4
PFHpA	6.142	363.0 -> 319.0	630	0.0263	µg/L	#	73
PFPeS	6.192	348.9 -> 80.0	28	0.0167	µg/L		30
DONA	6.056	377.0 -> 251.0	18	0.0430	µg/L		46
6-2 FTSA	6.448	427.0 -> 407.0	63	0.0000	µg/L		50
PFOA	6.663	413.0 -> 369.0	1189	0.0232	µg/L		94
PFHxS	6.798	398.9 -> 80.0	184	0.0097	µg/L		82
PFNA	7.138	463.0 -> 419.0	345	0.0155	µg/L		94
PFHpS	7.176	448.9 -> 80.0	4	0.0000	µg/L	#	1
8-2 FTSA	7.349	527.0 -> 507.0	41	0.0193	µg/L		47
7-3 FTCA	7.558	441.0 -> 317.0	24	0.6602	µg/L	#	1
PFDA	7.564	513.0 -> 469.0	142	0.0185	µg/L	#	78
N-MeFOSAA	7.728	570.0 -> 419.0	32	0.0000	µg/L		33
PFOS	7.746	498.9 -> 80.0	286	0.0000	µg/L		28
N-EtFOSAA	7.774	584.0 -> 419.0	90	0.0167	µg/L	#	1
PFUnDA	8.000	563.0 -> 519.0	463	0.0160	µg/L		63
9Cl-PF3ONS	8.778	530.9 -> 350.9	7	0.0010	µg/L		44

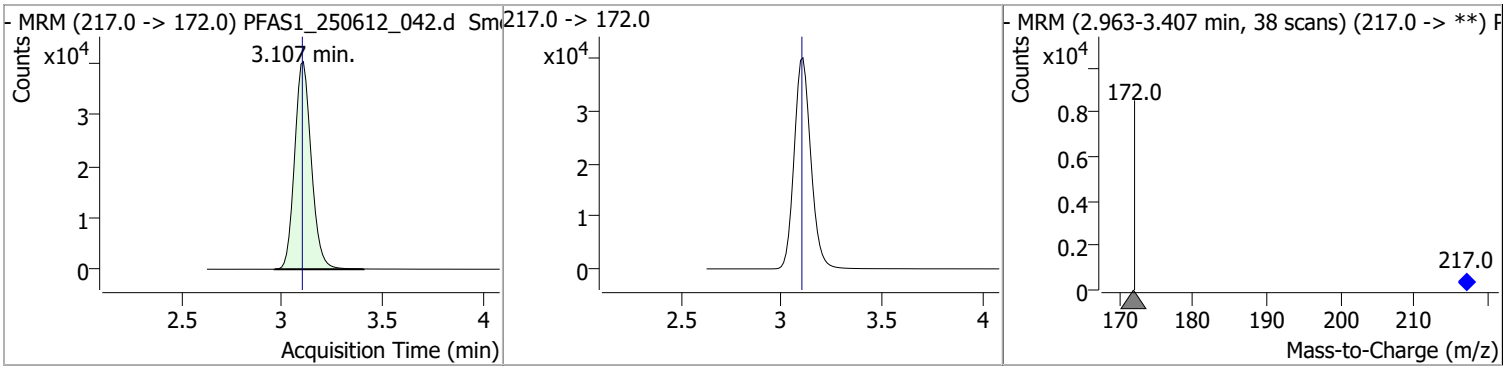
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.216	548.9 -> 80.0	6	0.0000	µg/L		26
PFDoDA	8.412	613.0 -> 569.0	91	0.0065	µg/L		97
PFDS	8.642	598.9 -> 80.0	13	0.0174	µg/L	#	33
PFTrDA	8.817	663.0 -> 619.0	148	0.0176	µg/L		72
11Cl-PF3OUdS	8.903	630.9 -> 450.9	89	0.0120	µg/L	#	70
PFTDA	9.186	712.9 -> 669.0	207	0.0181	µg/L		77
PFDoS	9.356	698.9 -> 80.0	2	0.0196	µg/L	#	1
PFOSA	9.900	497.9 -> 78.0	175	0.0138	µg/L	#	81
MeFOSE	11.089	616.0 -> 59.0	318	0.0000	µg/L		100
N-MeFOSA	11.226	512.0 -> 219.0	30	0.0069	µg/L	#	55
EtFOSE	11.457	630.0 -> 59.0	272	0.0000	µg/L		100
N-EtFOSA	11.593	526.0 -> 219.0	39	0.0254	µg/L		83

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

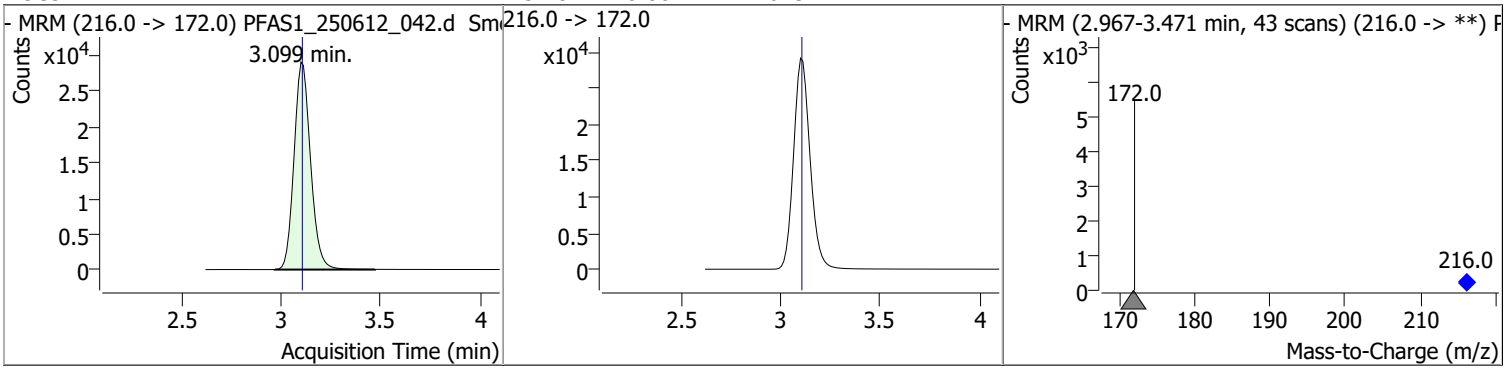
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0733	3.10	0.01	449				



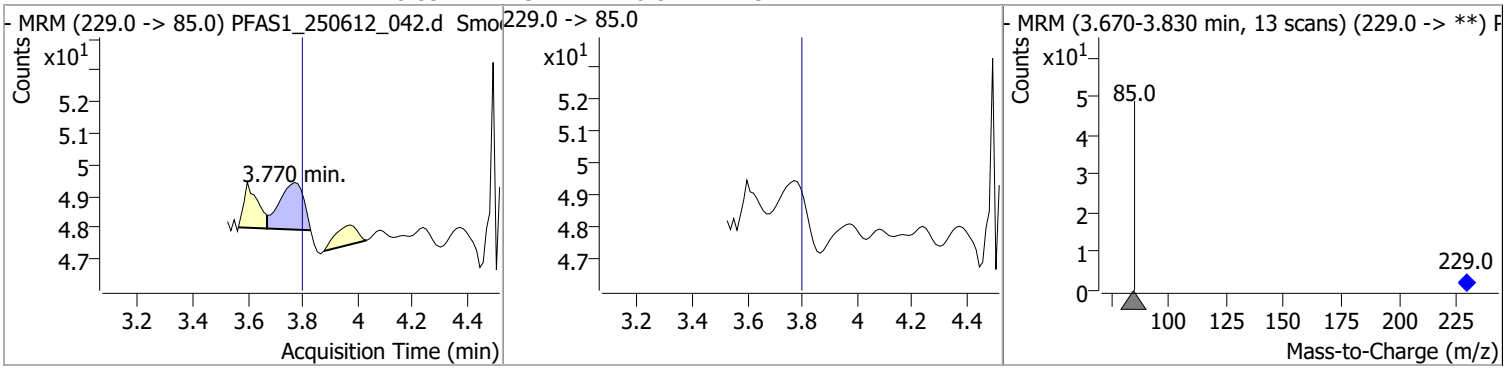
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.9882	3.11	0.01	231614				



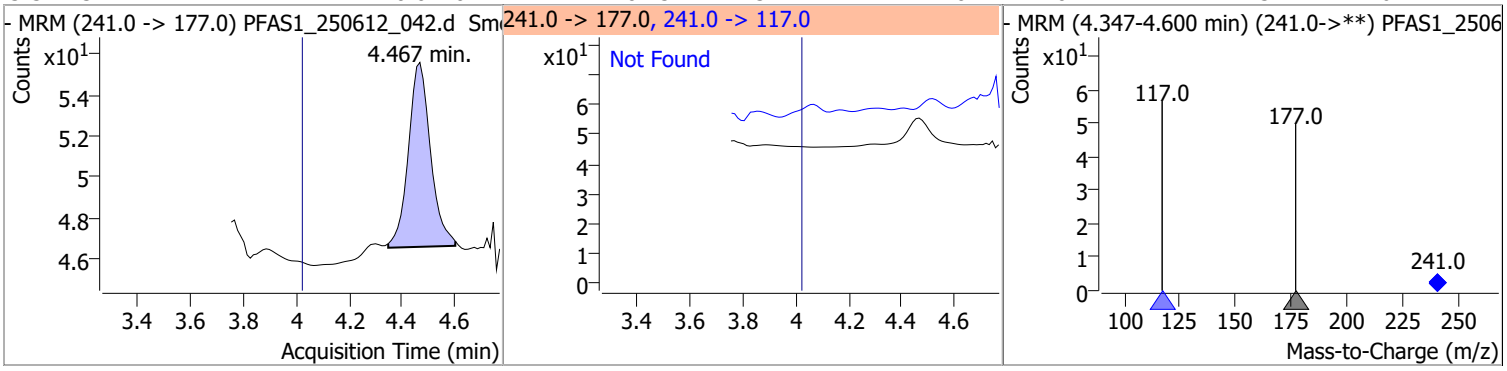
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	167524				



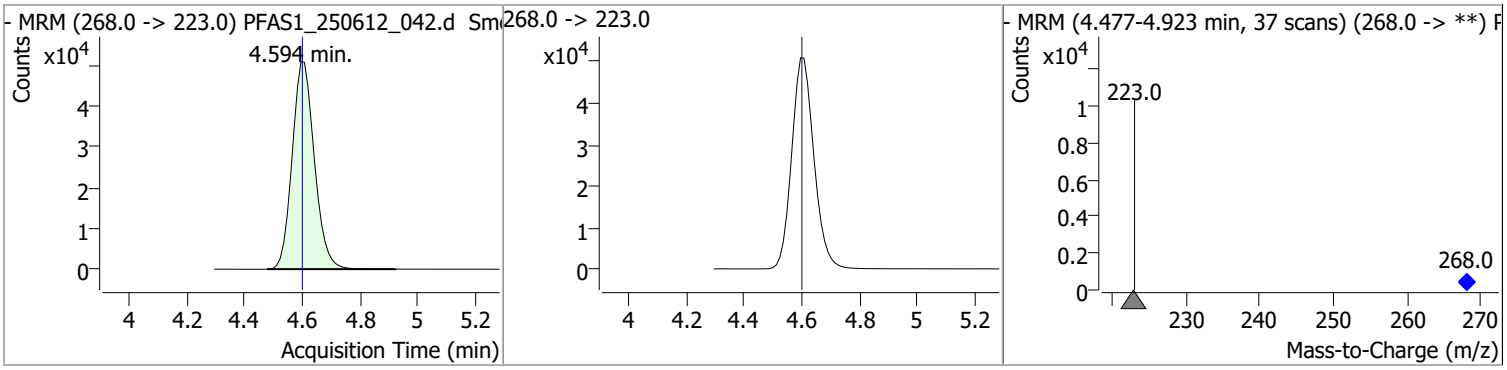
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0372	3.77	-0.02	9				



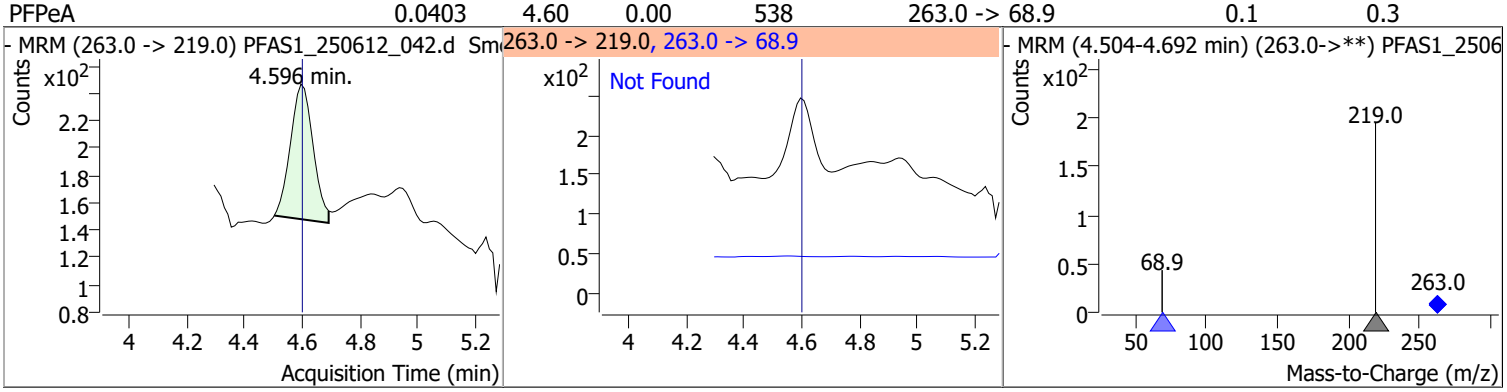
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0770	4.47	0.45	52	241.0 -> 117.0		41.3	76.7



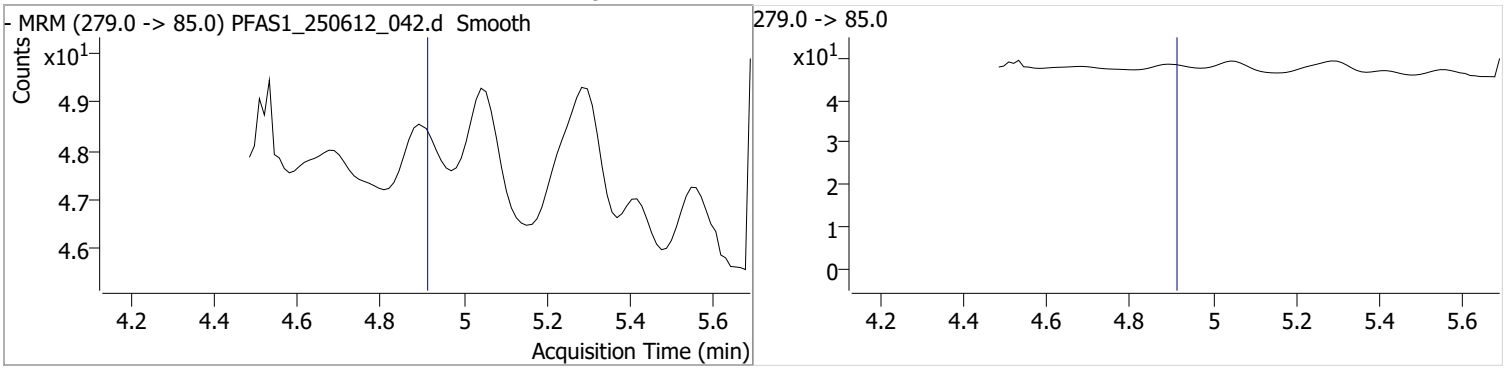
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8198	4.59	0.00	272167				



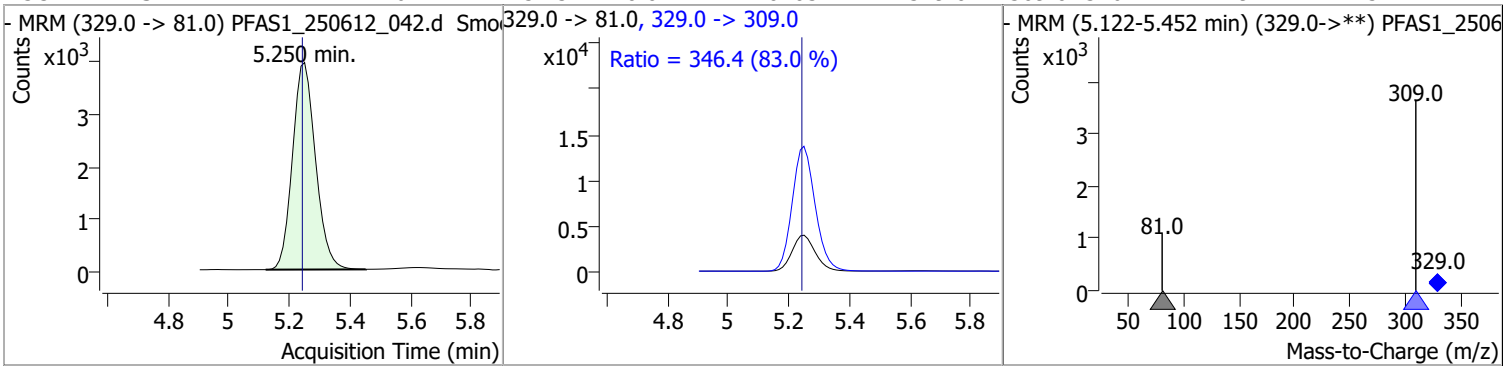
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0403	4.60	0.00	538	263.0 -> 68.9		0.1	0.3



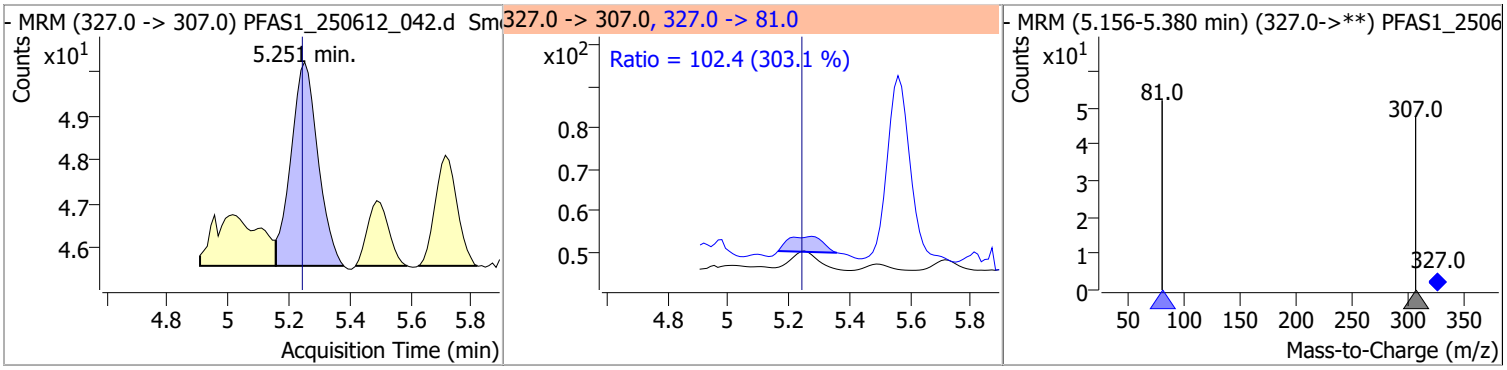
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFMBA	N.D.	4.91		



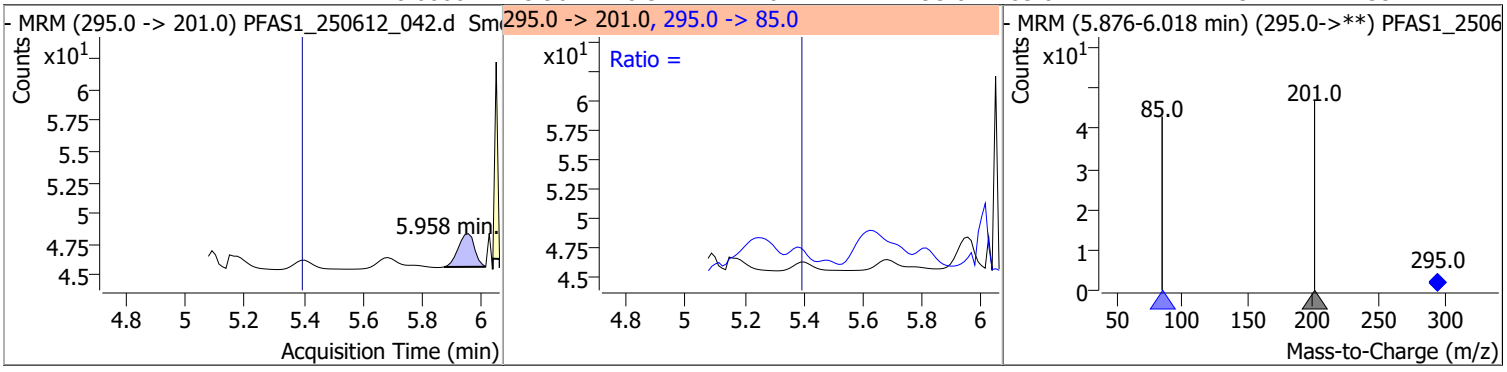
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2441	5.25	0.01	20703	329.0 -> 309.0	346.4	292.1	542.4



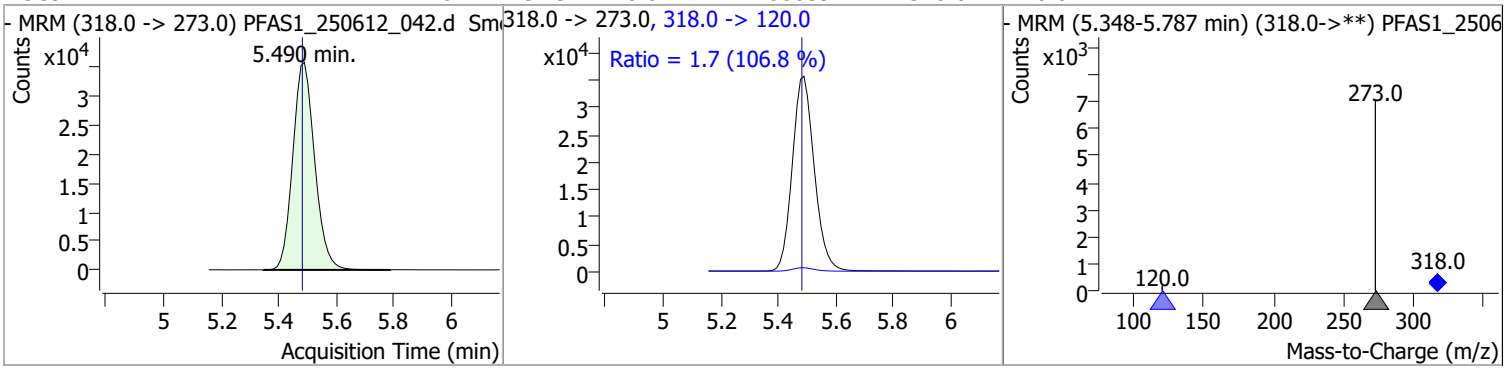
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0072	5.25	0.01	29	327.0 -> 81.0	102.4	23.6	43.9



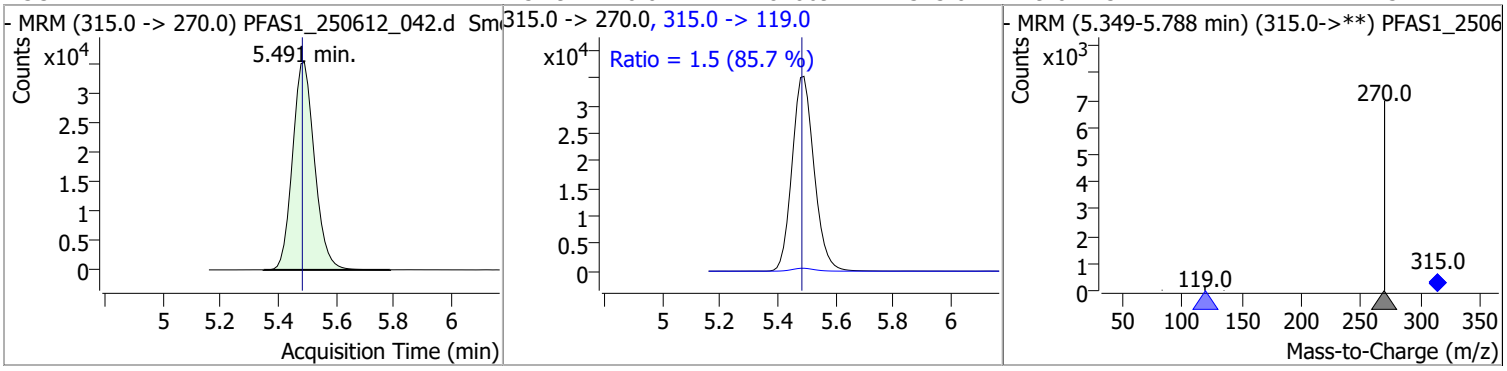
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.96	0.57	10	295.0 -> 85.0		19.1	35.4



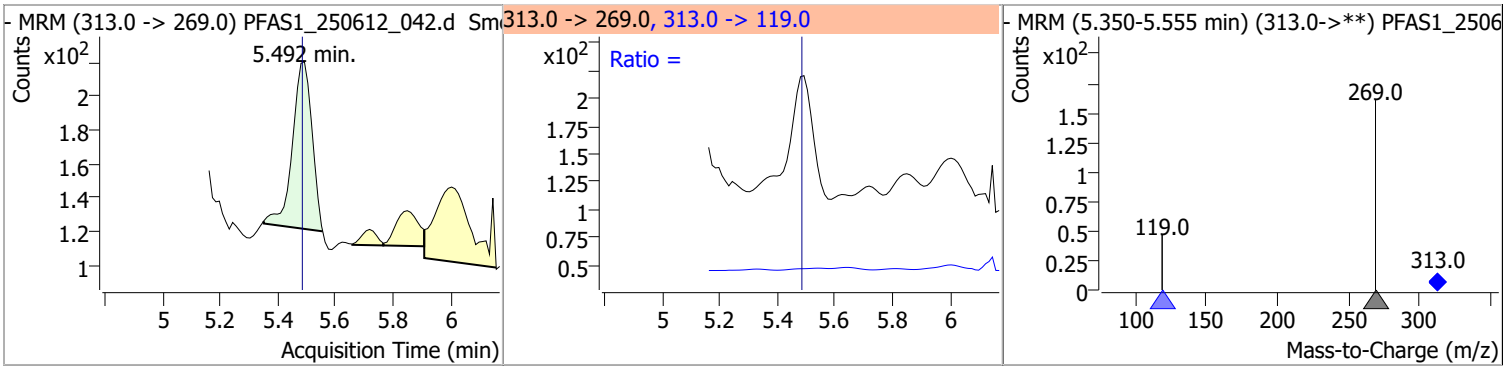
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4401	5.49	0.01	188059	318.0 -> 120.0	1.7	1.1	2.1



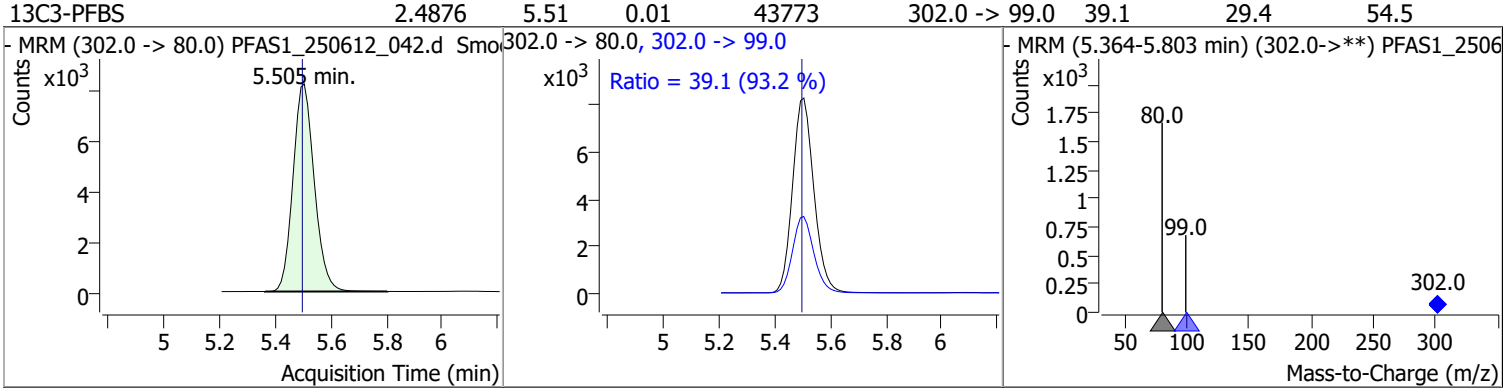
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	187069	315.0 -> 119.0	1.5	1.2	2.3



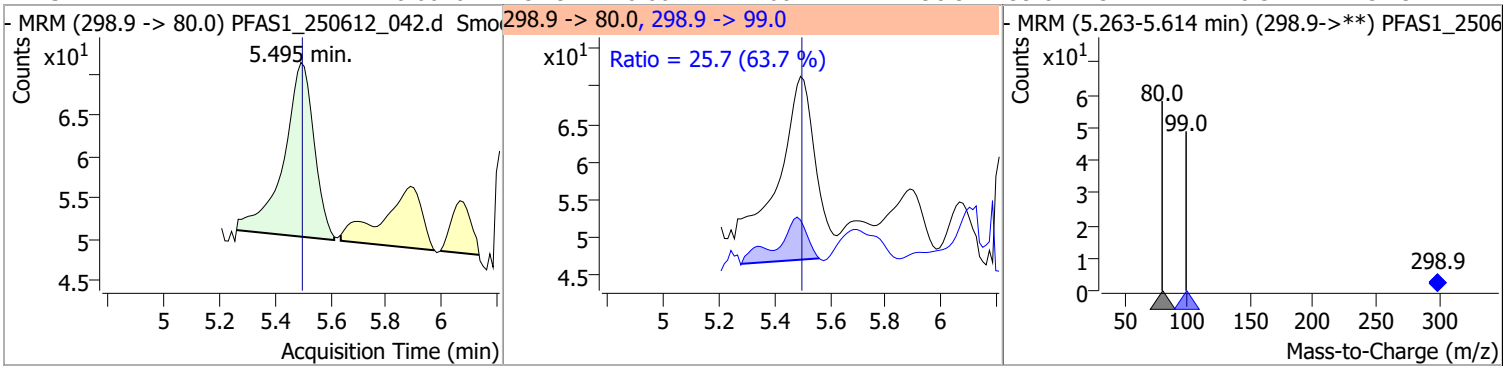
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0128	5.49	0.01	466	313.0 -> 119.0		2.4	4.5



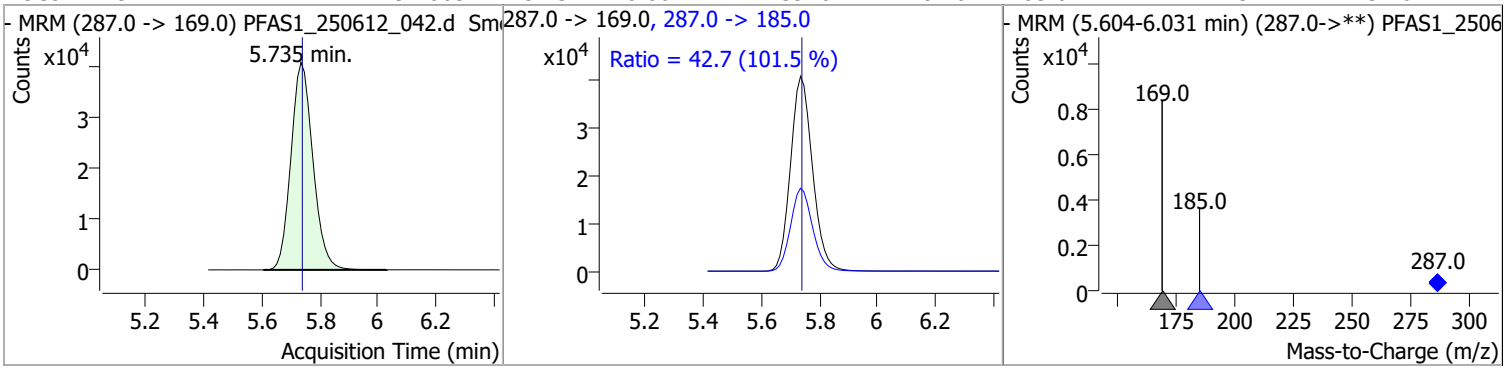
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4876	5.51	0.01	43773	302.0 -> 99.0	39.1	29.4	54.5



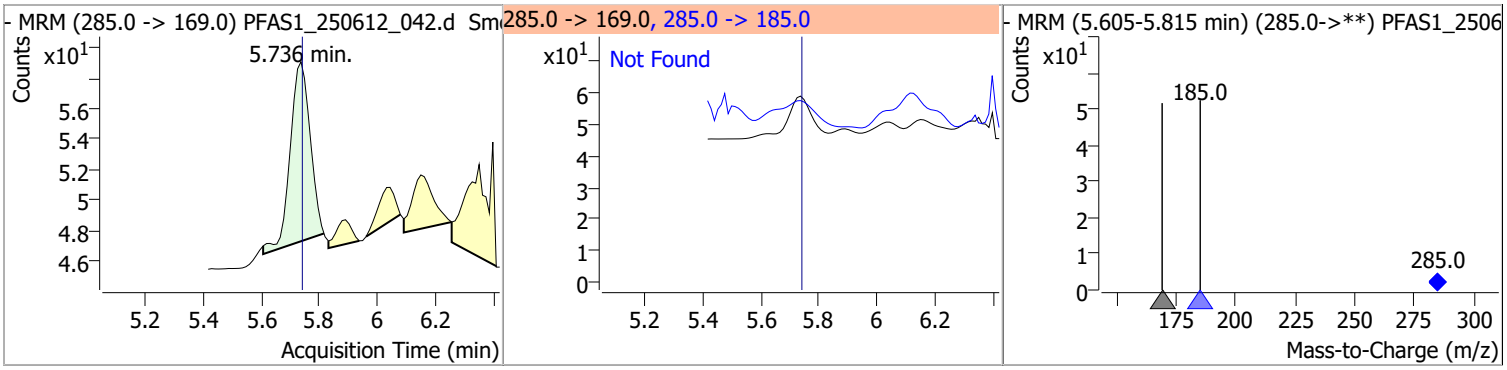
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0020	5.49	0.00	160	298.9 -> 99.0	25.7	28.3	52.5



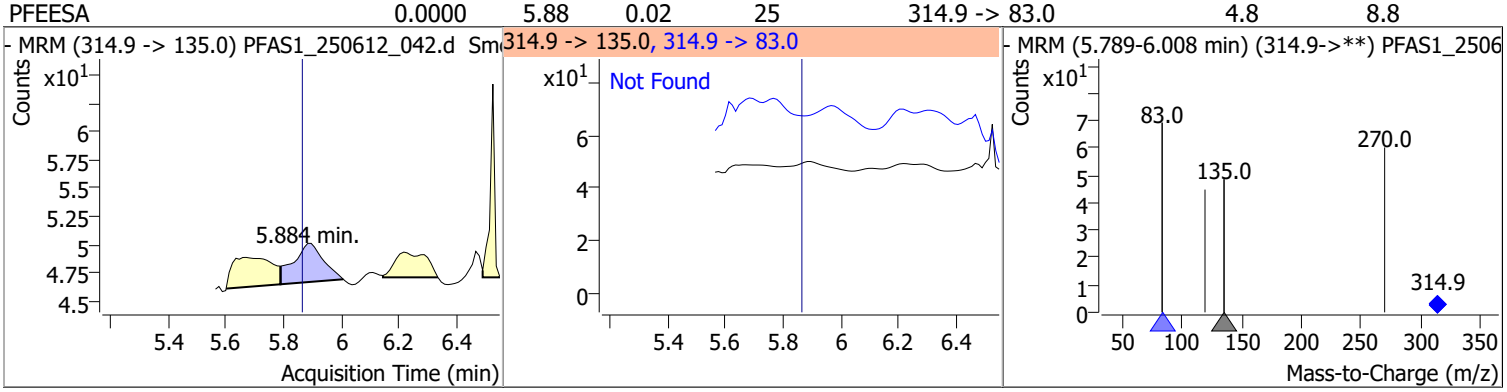
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.2063	5.73	0.00	213928	287.0 -> 185.0	42.7	29.4	54.6



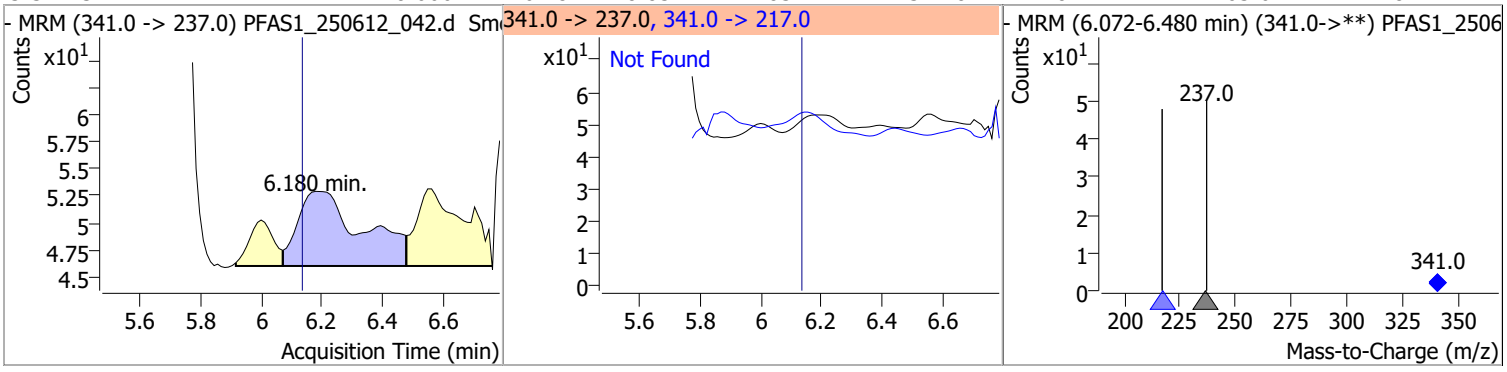
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0116	5.74	0.00	56	285.0 -> 185.0		30.1	56.0



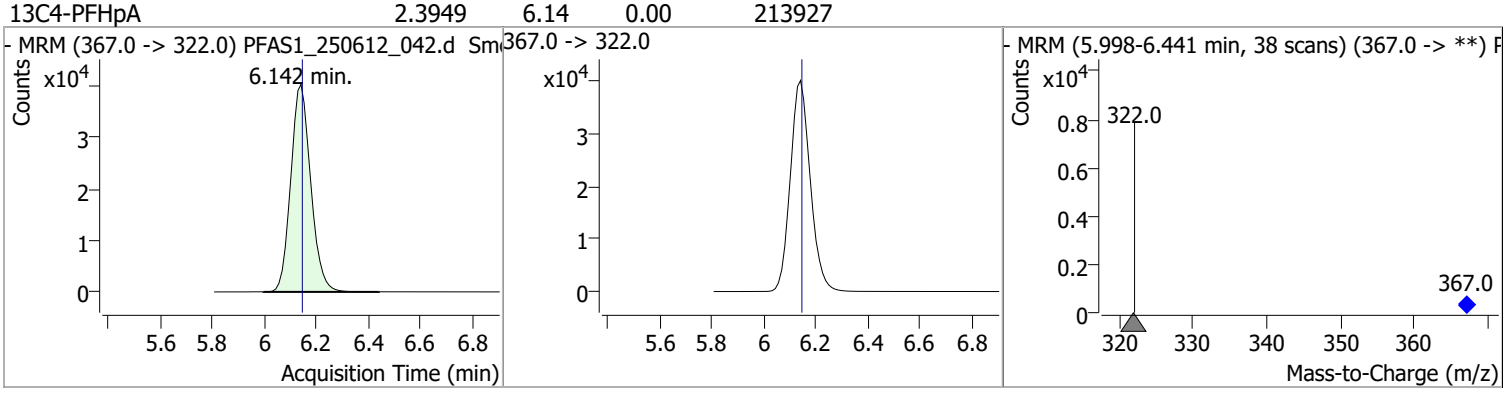
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.88	0.02	25	314.9 -> 83.0		4.8	8.8



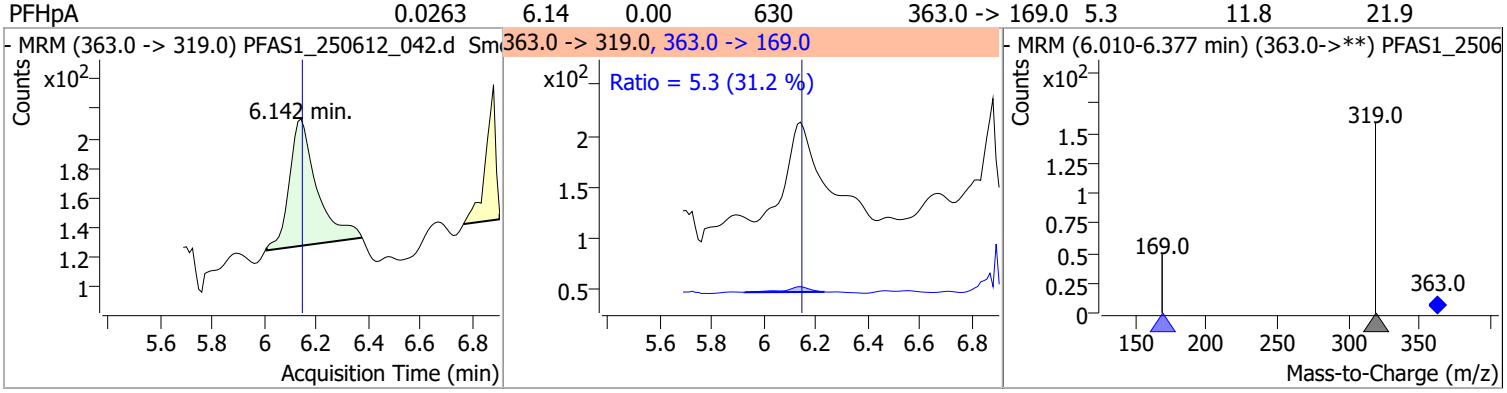
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6664	6.18	0.05	103	341.0 -> 217.0		63.6	118.1



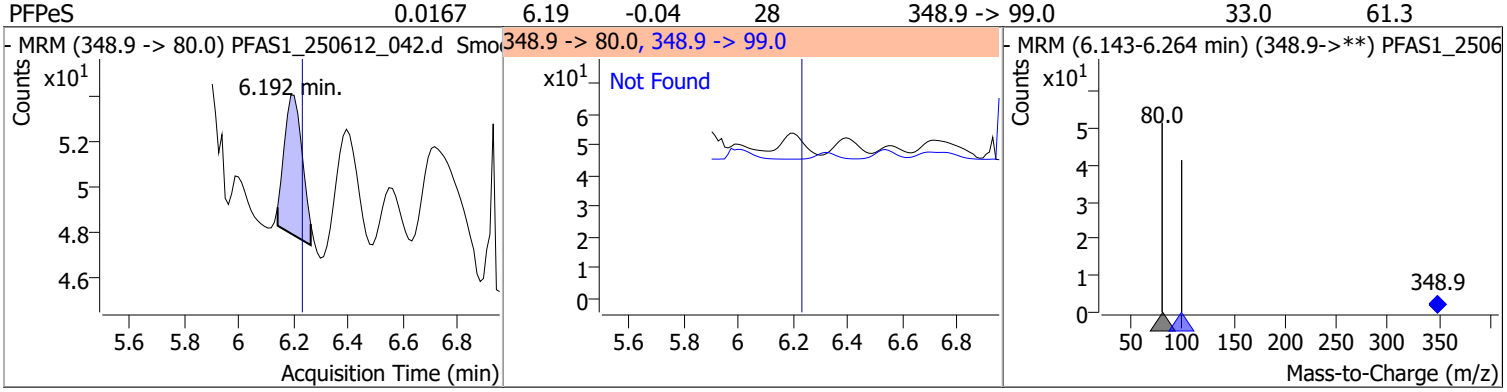
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3949	6.14	0.00	213927				



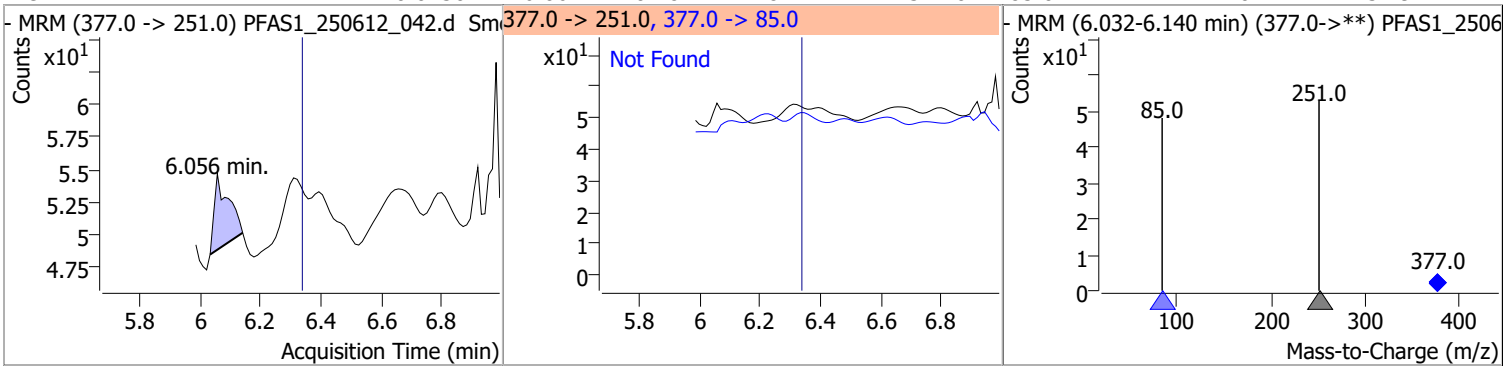
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0263	6.14	0.00	630	363.0 -> 169.0	5.3	11.8	21.9



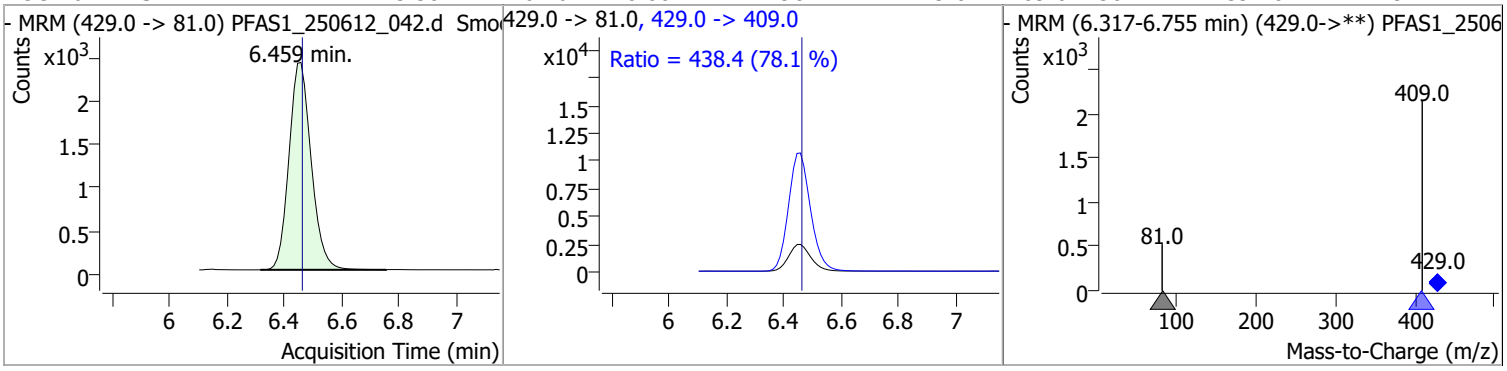
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0167	6.19	-0.04	28	348.9 -> 99.0		33.0	61.3



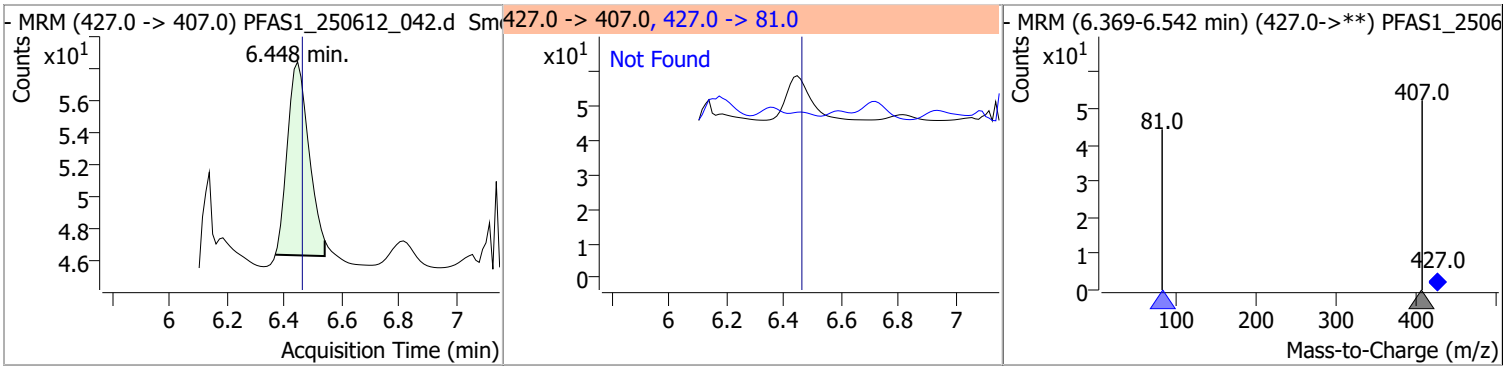
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0430	6.06	-0.28	18	377.0 -> 85.0		20.4	37.9



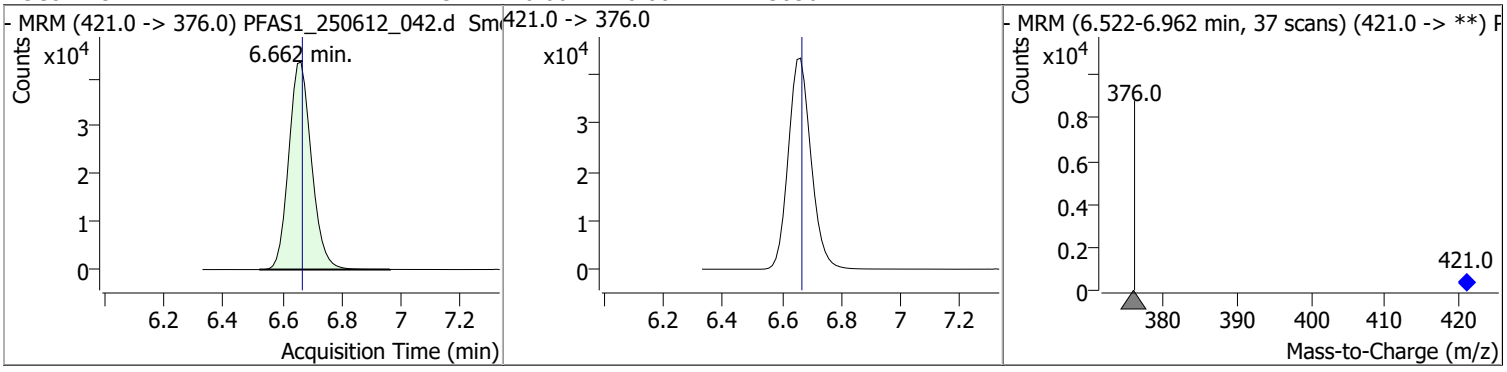
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5872	6.46	0.00	12981	429.0 -> 409.0	438.4	392.8	729.4



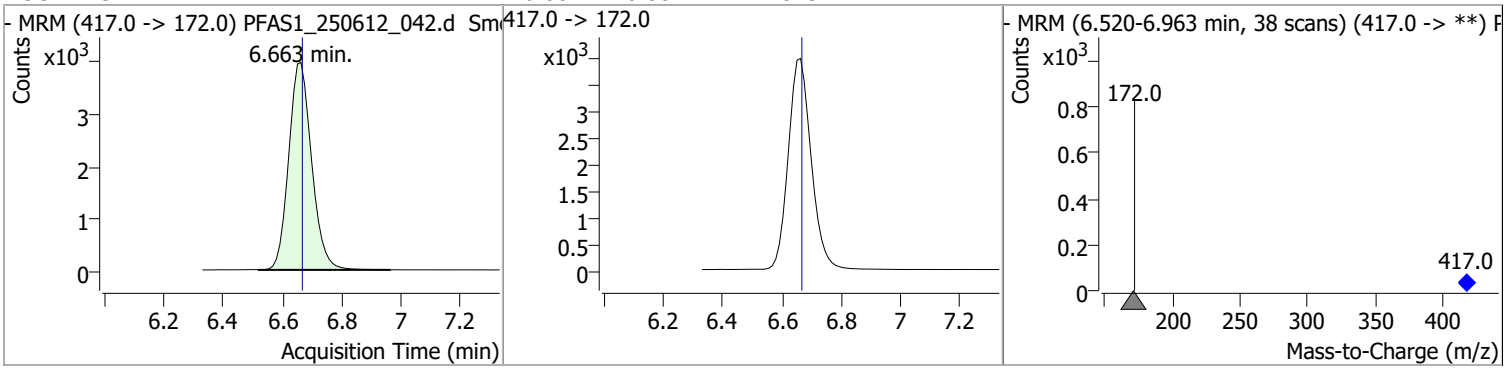
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	63	427.0 -> 81.0		17.7	32.8



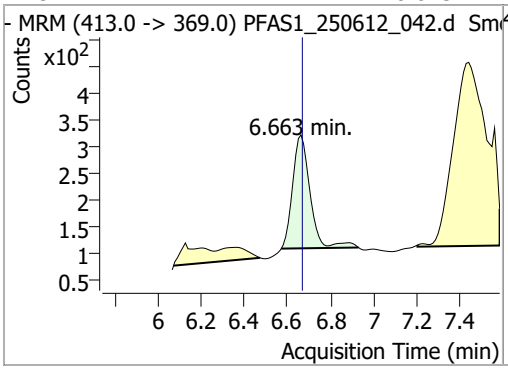
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4431	6.66	0.00	230564				

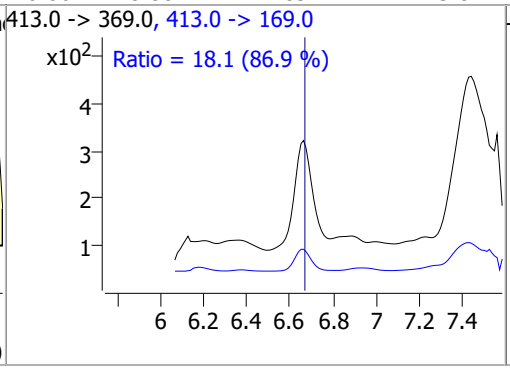


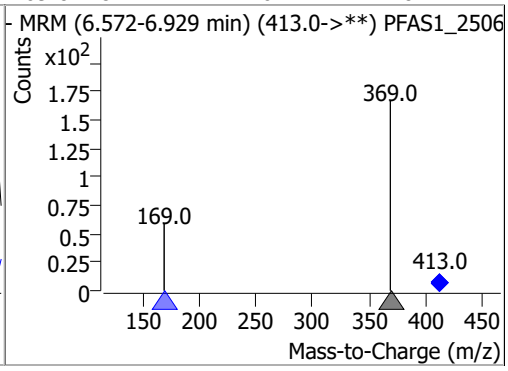
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21075				



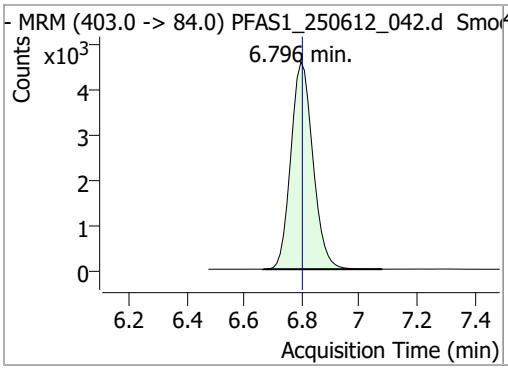
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0232	6.66	0.00	1189	413.0 -> 169.0	18.1	14.6	27.0

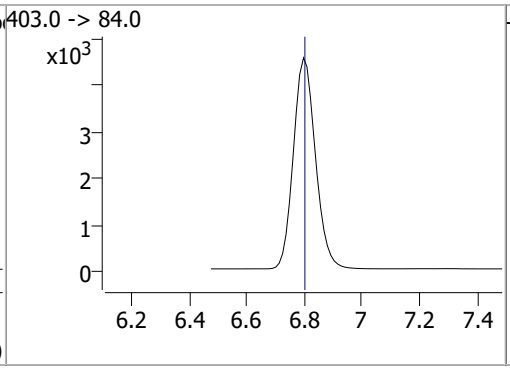


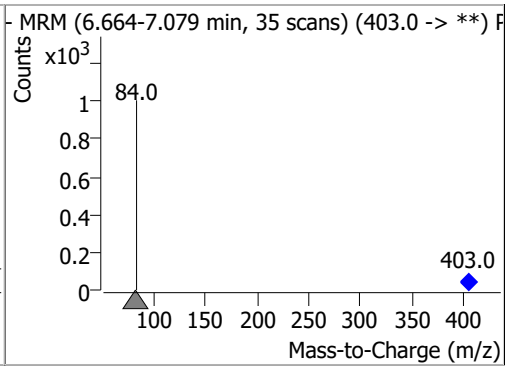




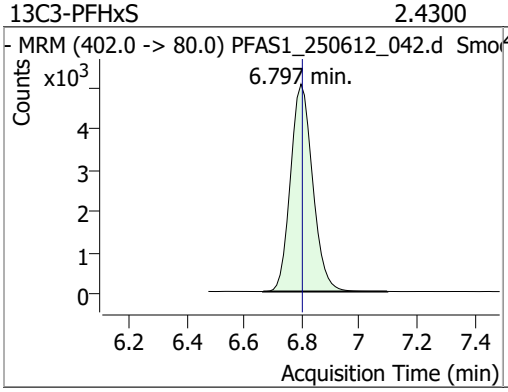
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24302				

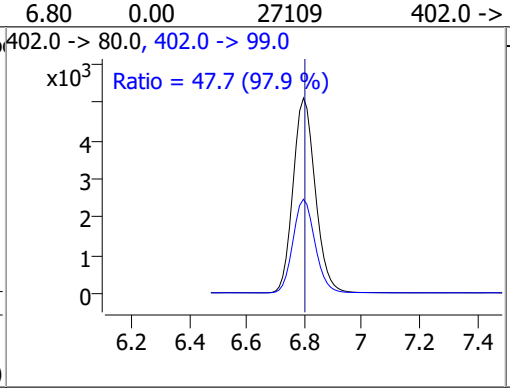


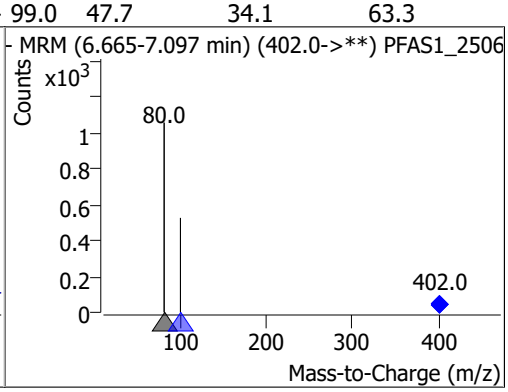




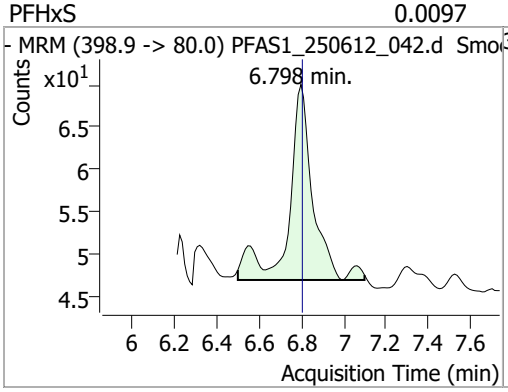
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4300	6.80	0.00	27109	402.0 -> 99.0	47.7	34.1	63.3

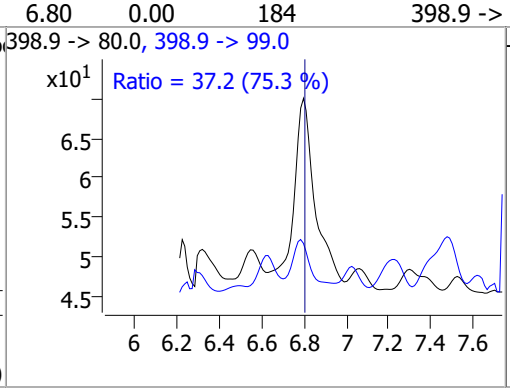


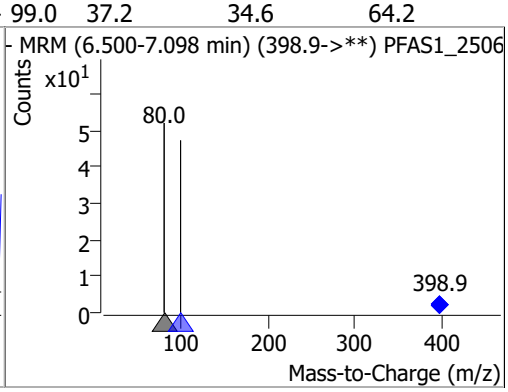




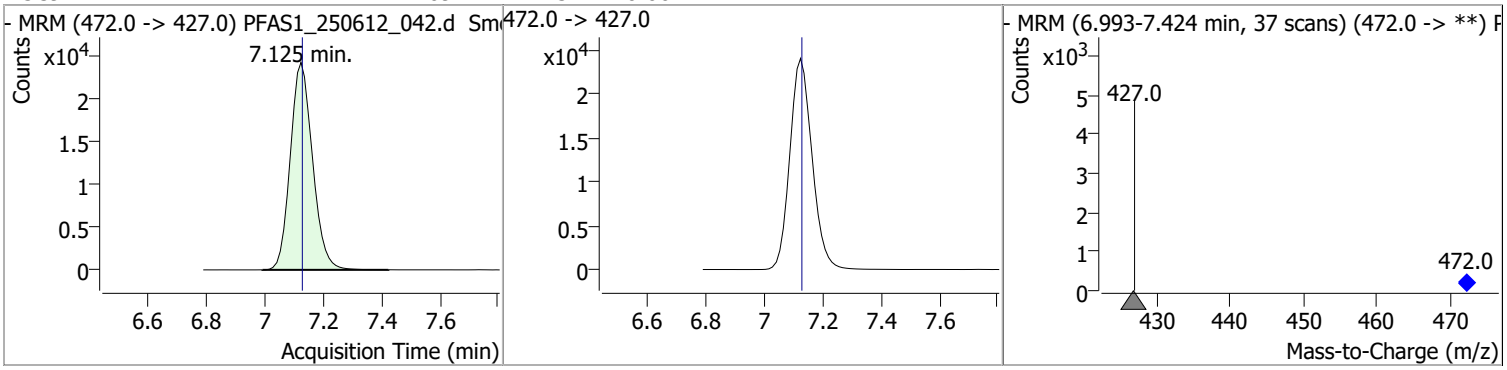
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0097	6.80	0.00	184	398.9 -> 99.0	37.2	34.6	64.2



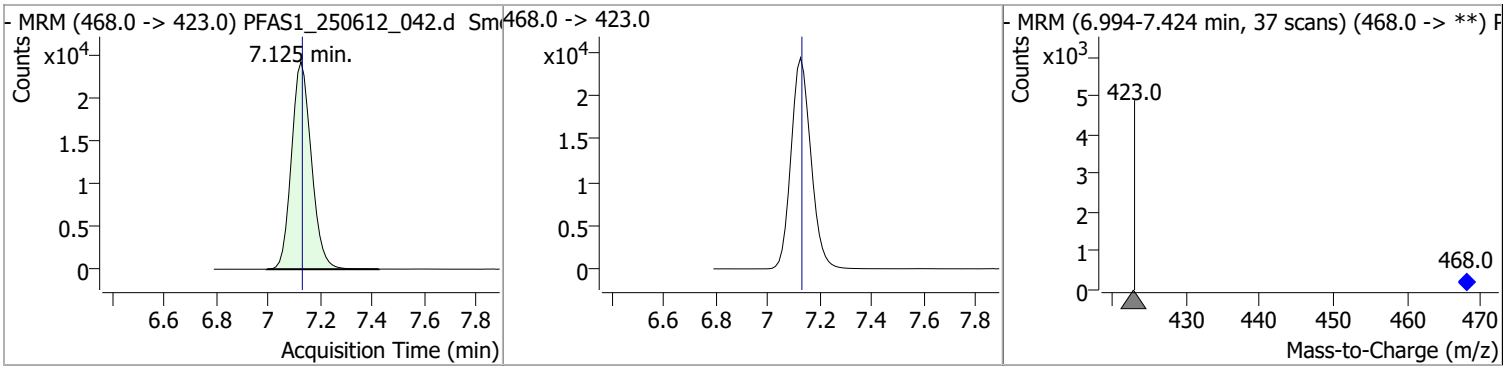




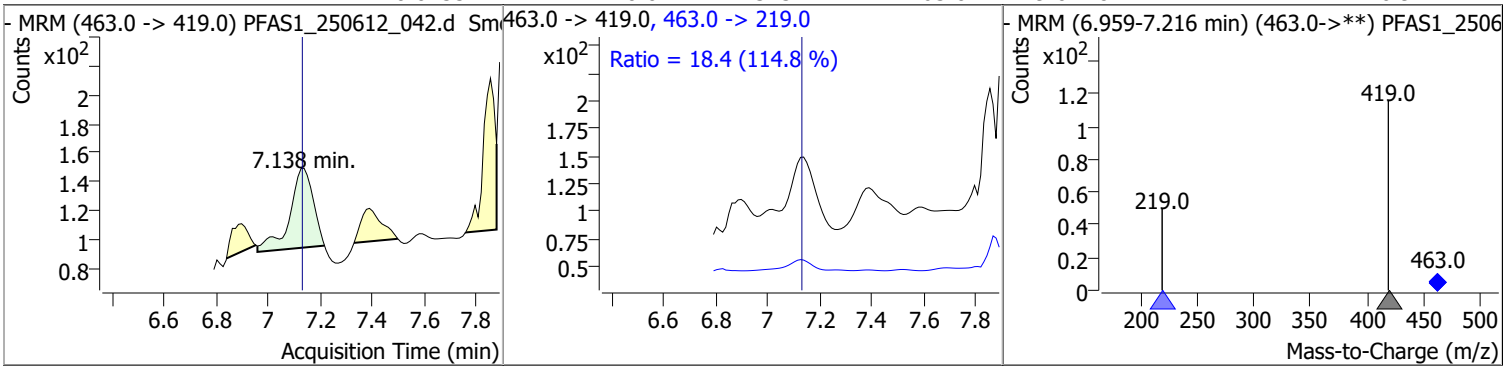
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2092	7.13	0.00	127127				



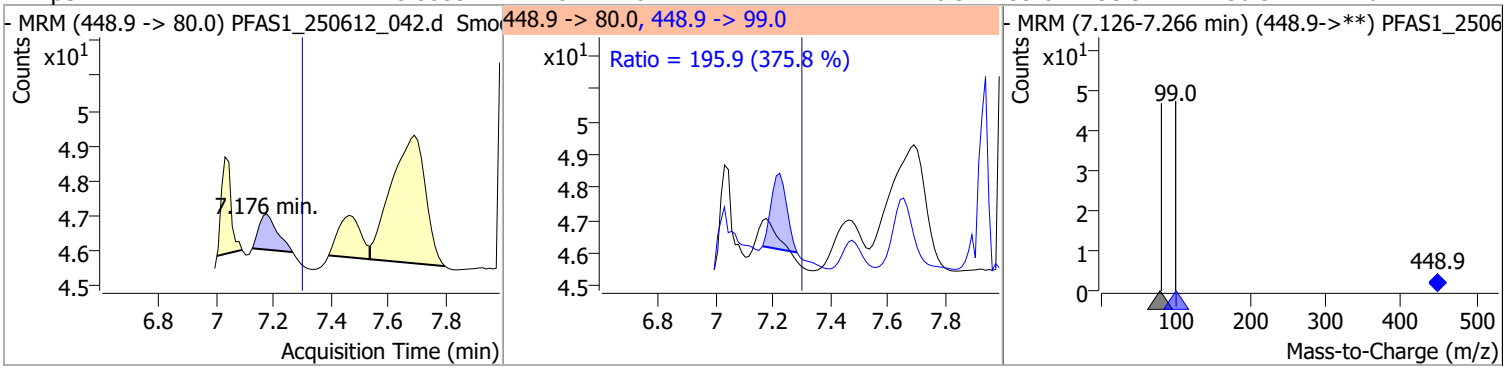
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128210				



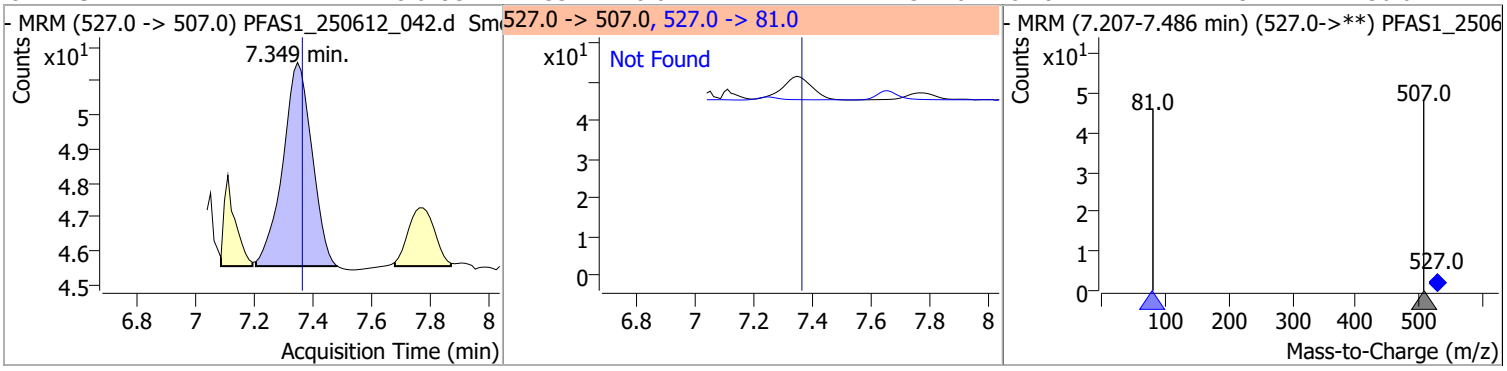
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0155	7.14	0.01	345	463.0 -> 219.0	18.4	11.2	20.9



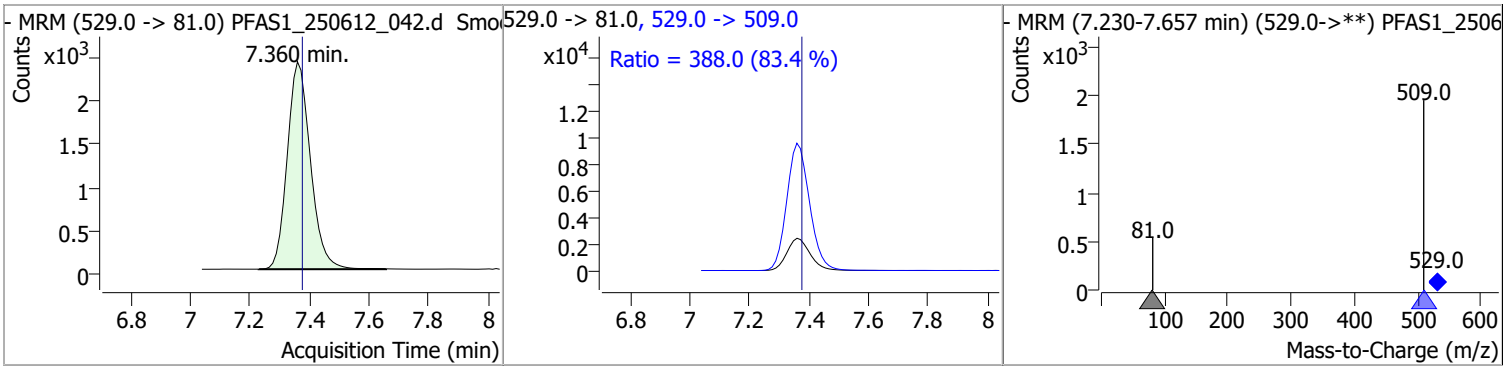
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0000	7.18	-0.12	4	448.9 -> 99.0	195.9	36.5	67.7



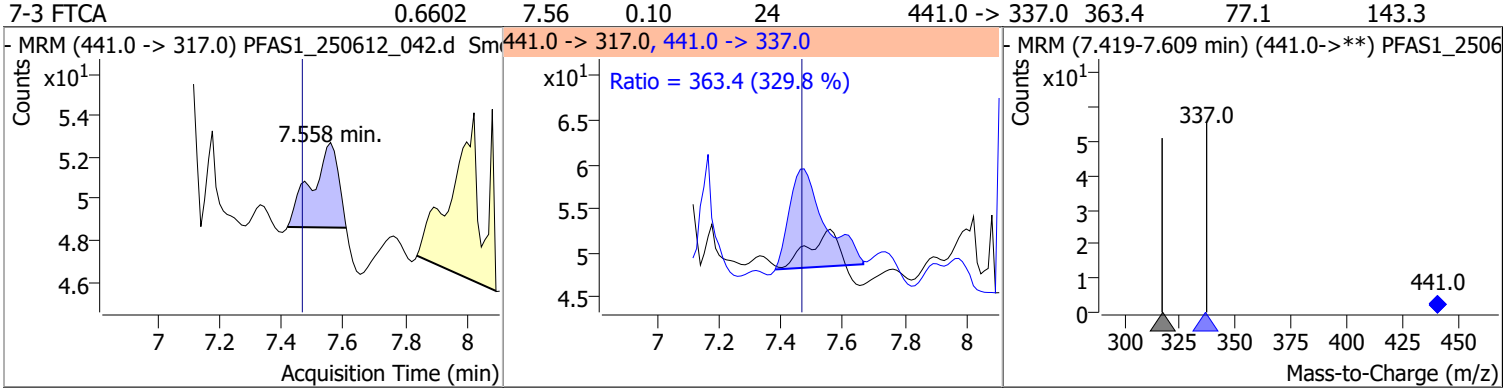
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0193	7.35	-0.01	41	527.0 -> 81.0		19.7	36.6



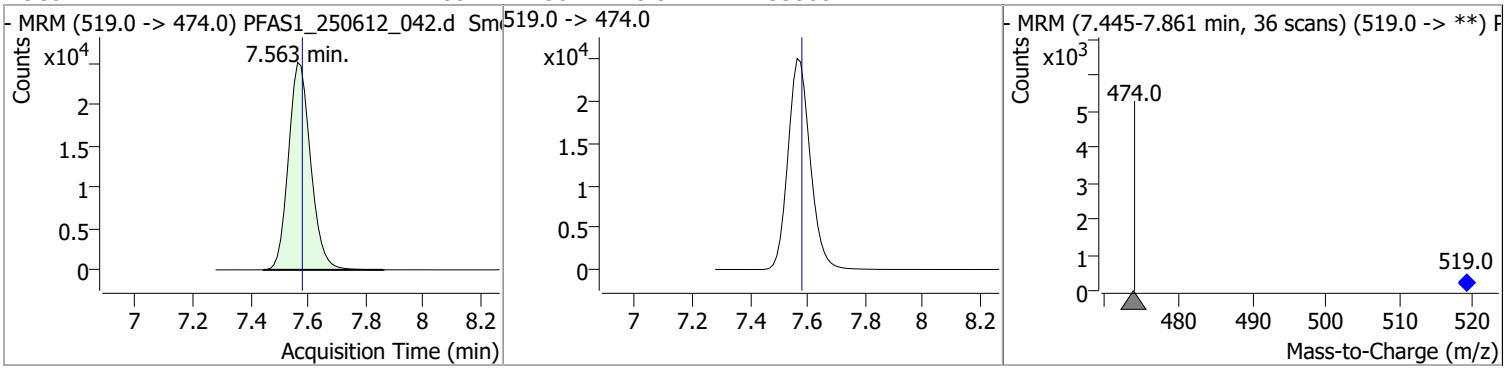
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1253	7.36	-0.01	13039	529.0 -> 509.0	388.0	325.6	604.6



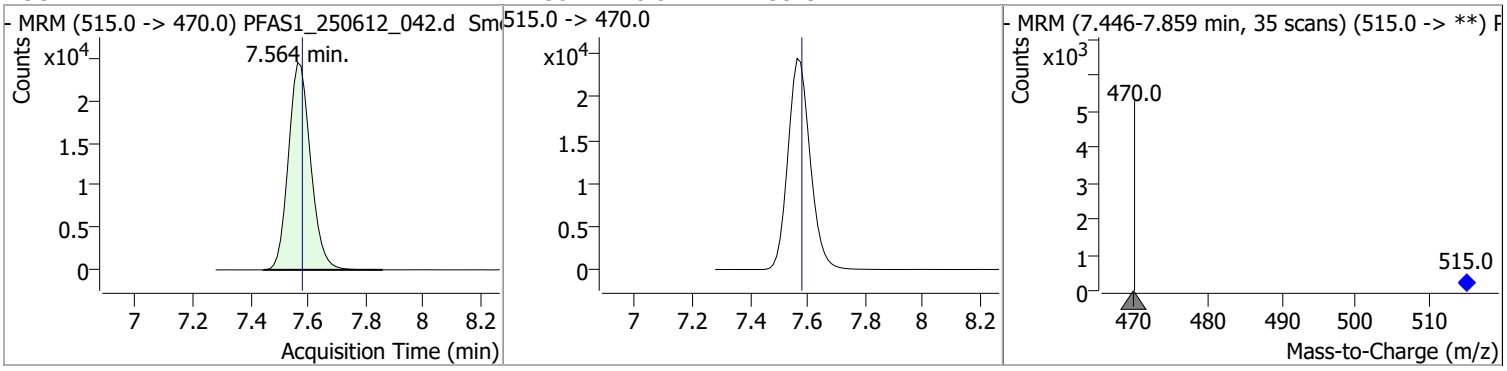
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.6602	7.56	0.10	24	441.0 -> 337.0	363.4	77.1	143.3



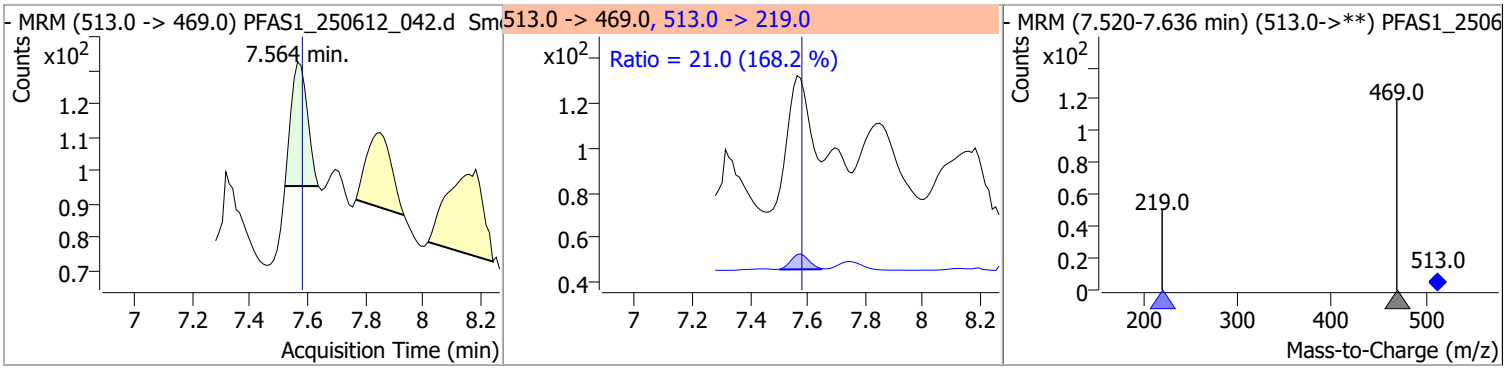
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2108	7.56	-0.01	133868				



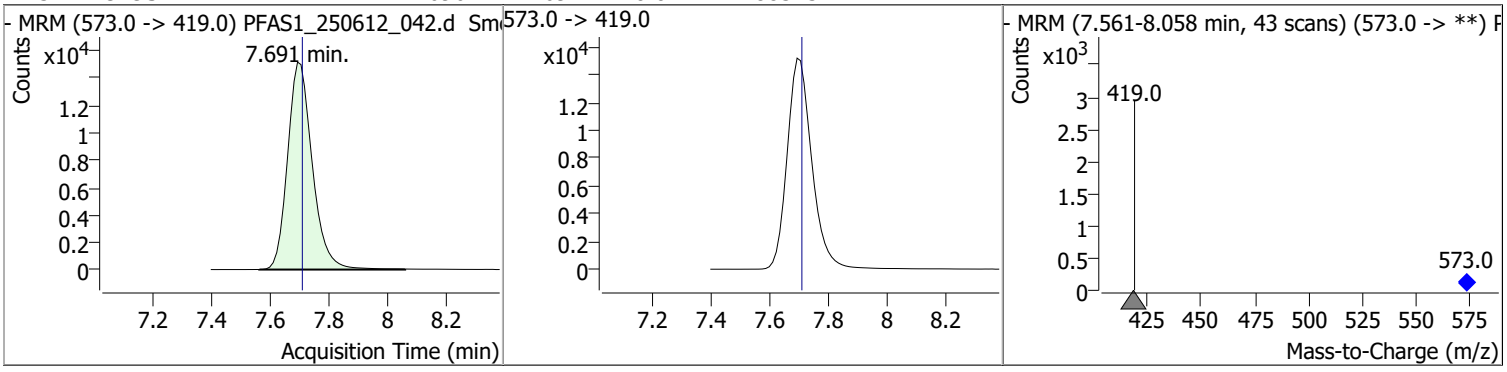
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	130191				



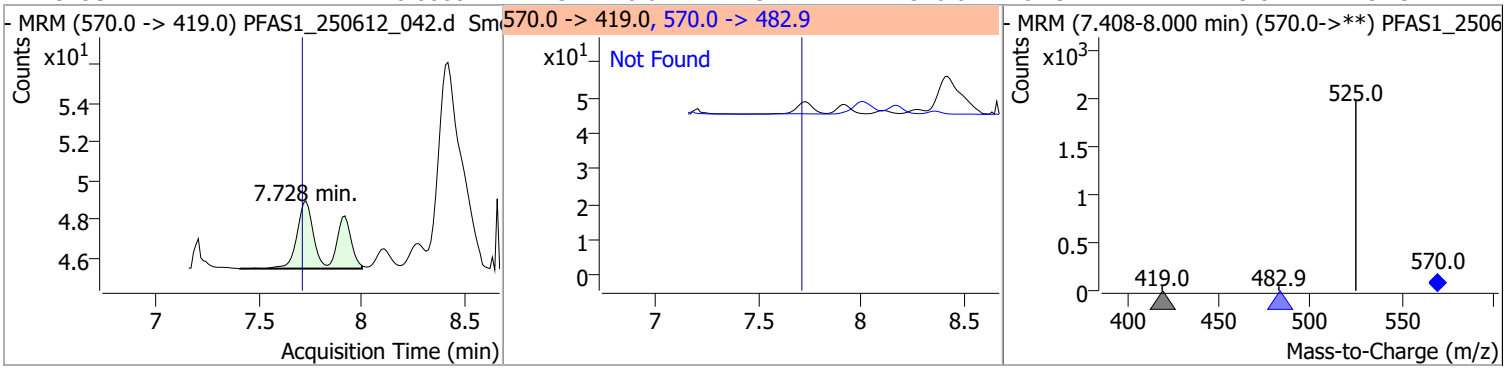
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0185	7.56	-0.01	142	513.0 -> 219.0	21.0	8.7	16.2



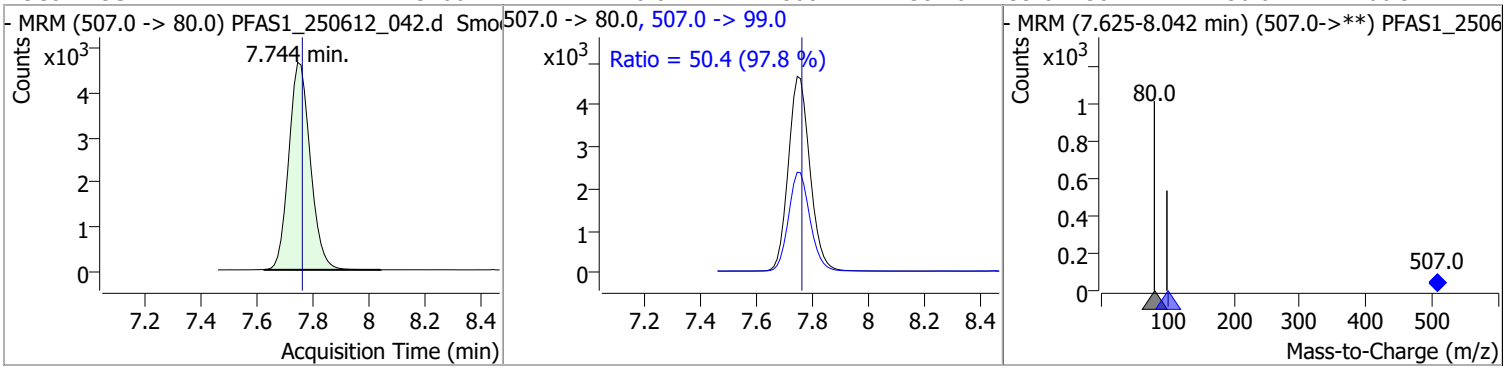
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.4696	7.69	-0.01	88313				



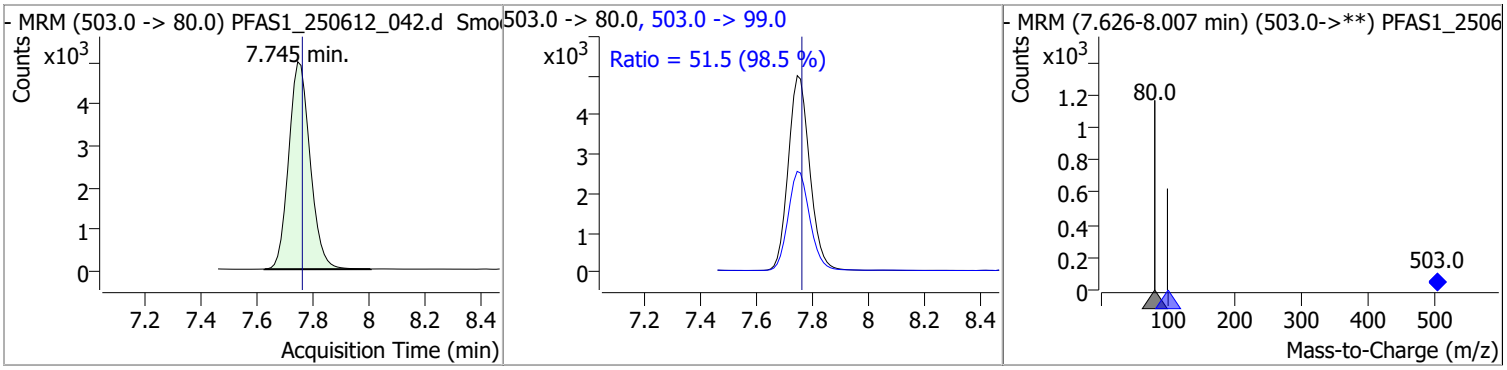
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0000	7.73	0.02	32	570.0 -> 482.9		29.5	54.9



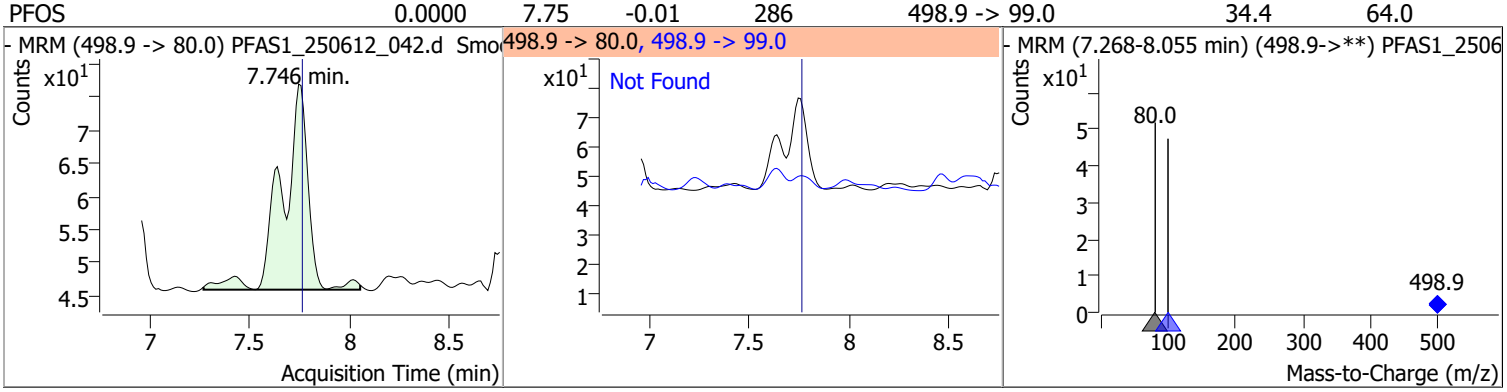
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3706	7.74	-0.01	24860	507.0 -> 99.0	50.4	36.0	66.9



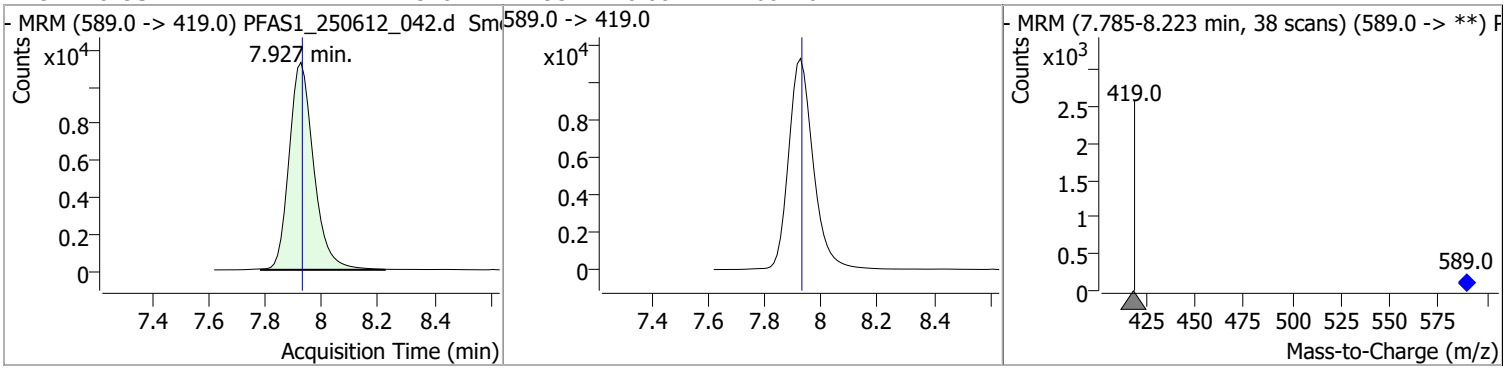
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26463	503.0 -> 99.0	51.5	36.6	67.9



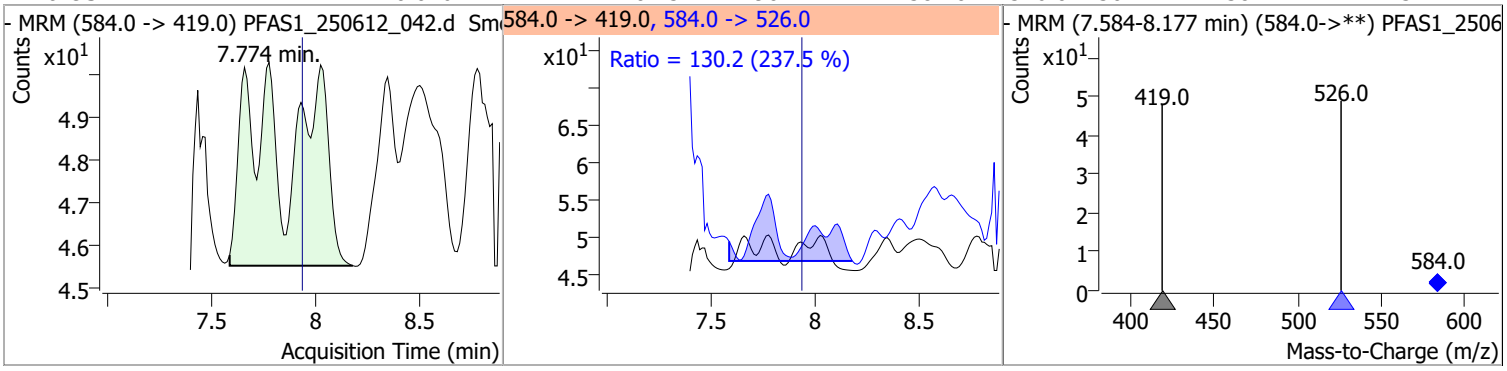
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	286	498.9 -> 99.0		34.4	64.0



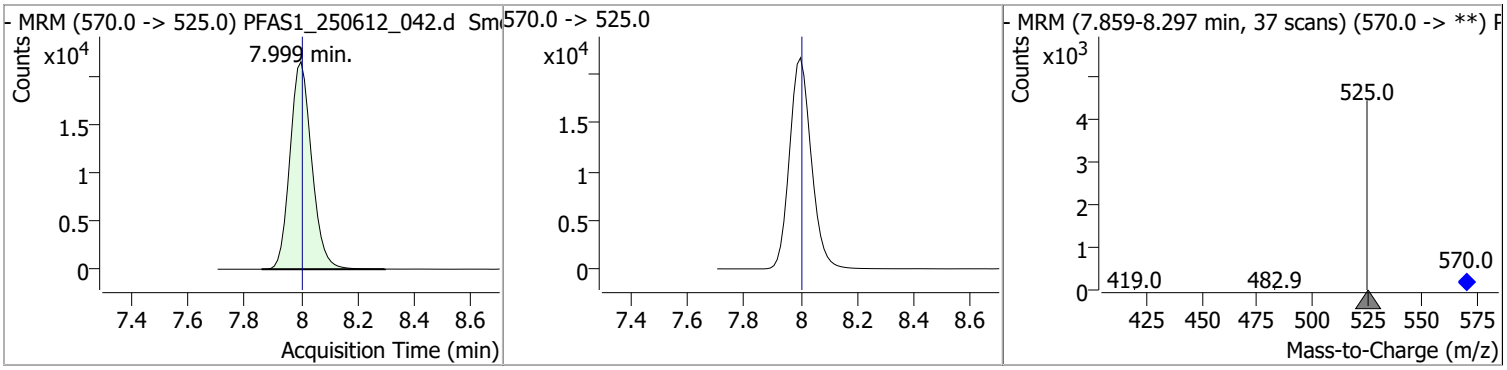
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.3104	7.93	0.00	68248				



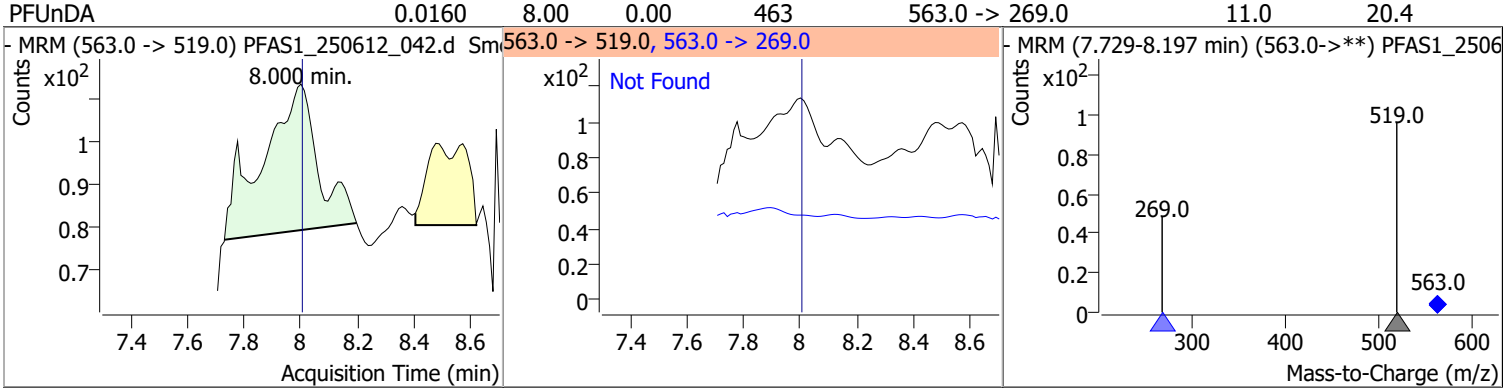
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0167	7.77	-0.15	90	584.0 -> 526.0	130.2	38.4	71.3



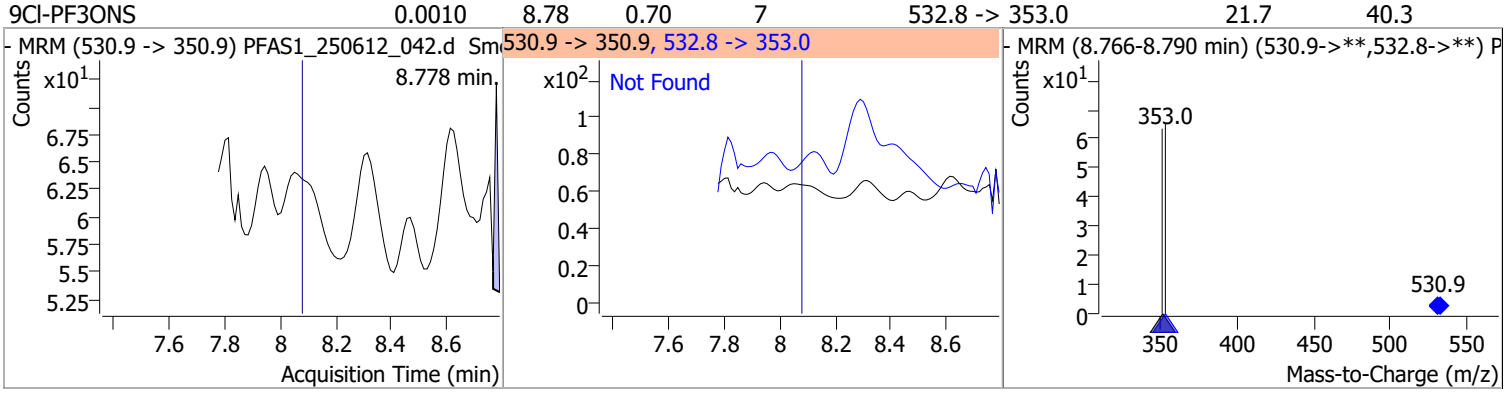
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2035	8.00	0.00	115528				



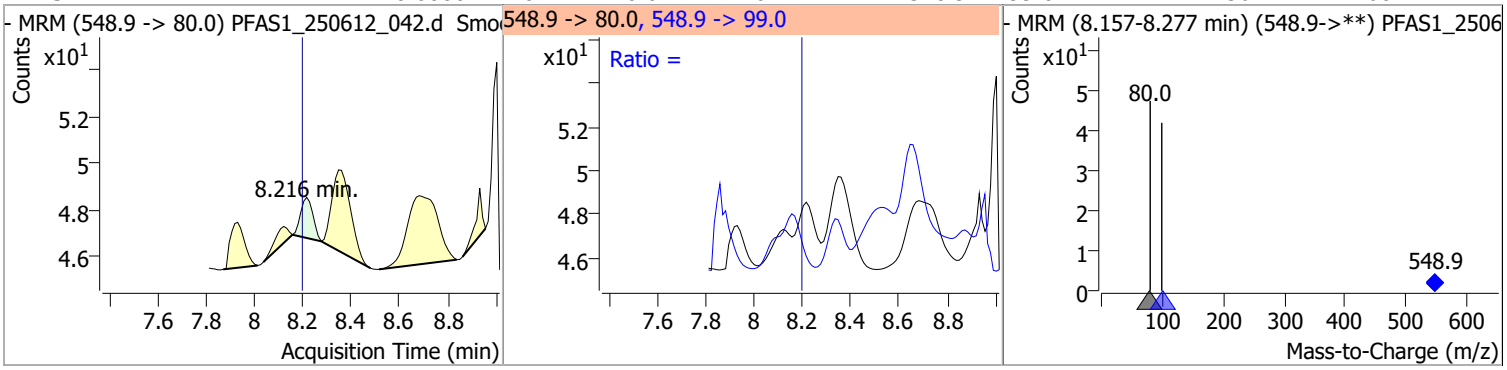
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0160	8.00	0.00	463	563.0 -> 269.0		11.0	20.4



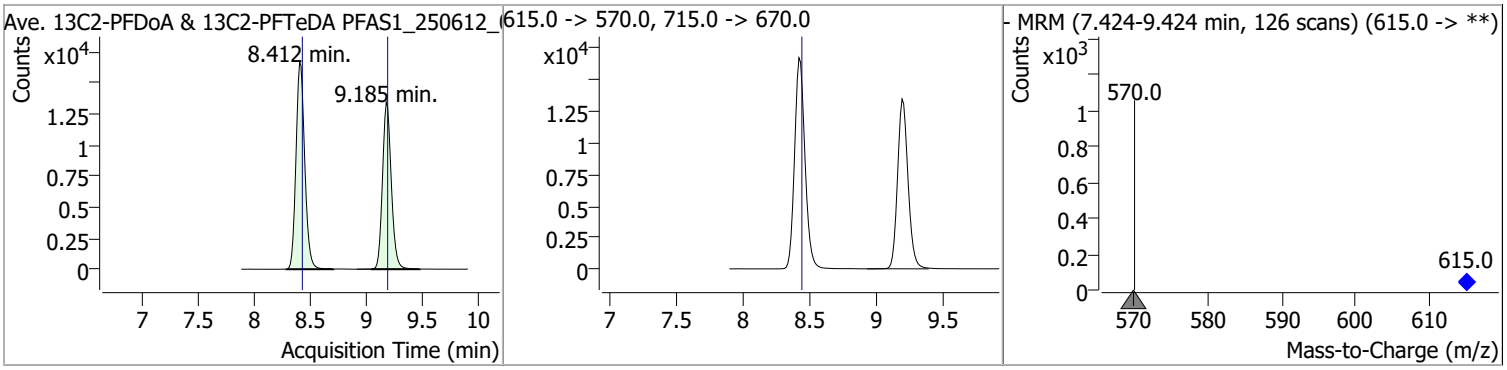
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0010	8.78	0.70	7	532.8 -> 353.0		21.7	40.3



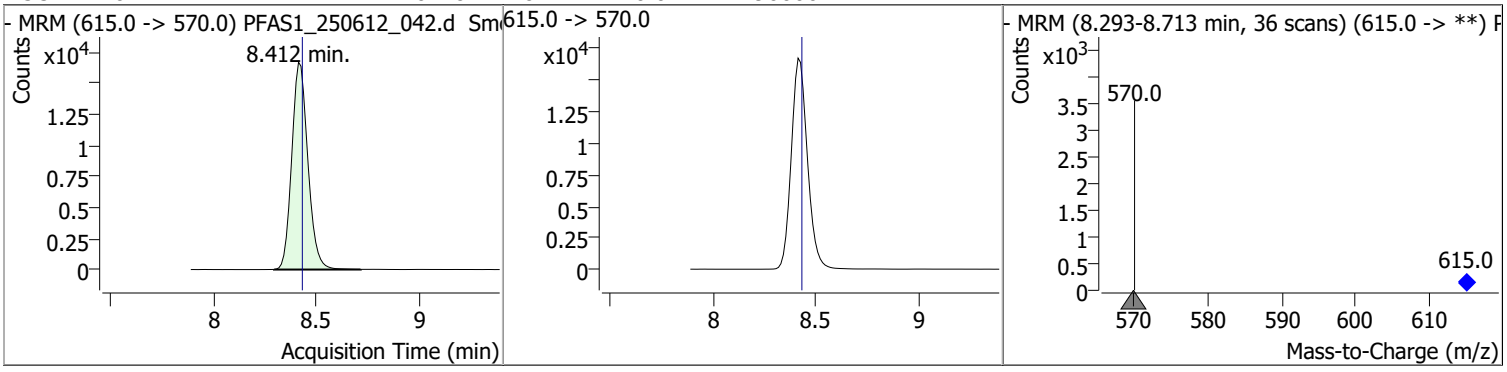
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.22	0.02	6	548.9 -> 99.0		36.7	68.1



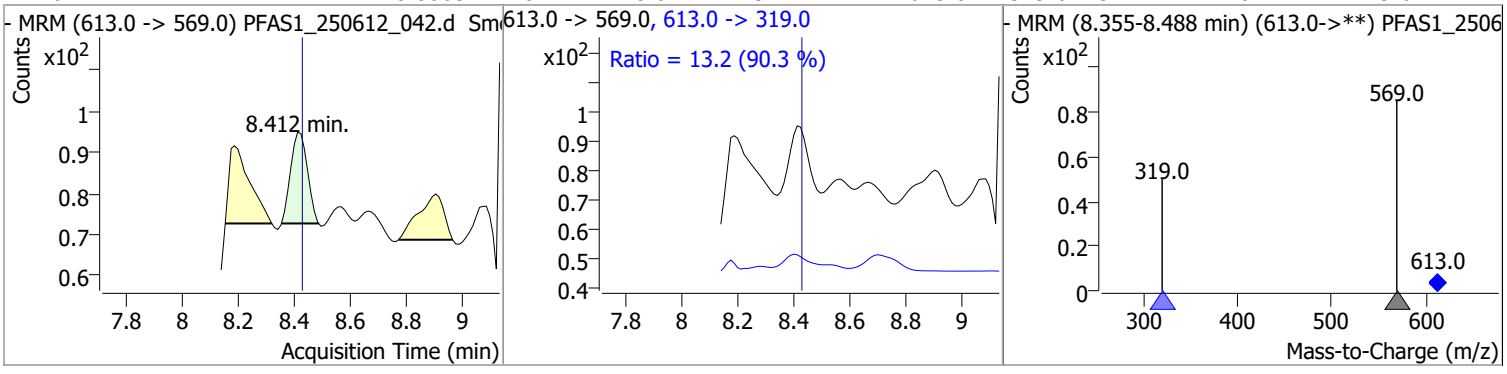
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9892	8.80	0.37	81582				



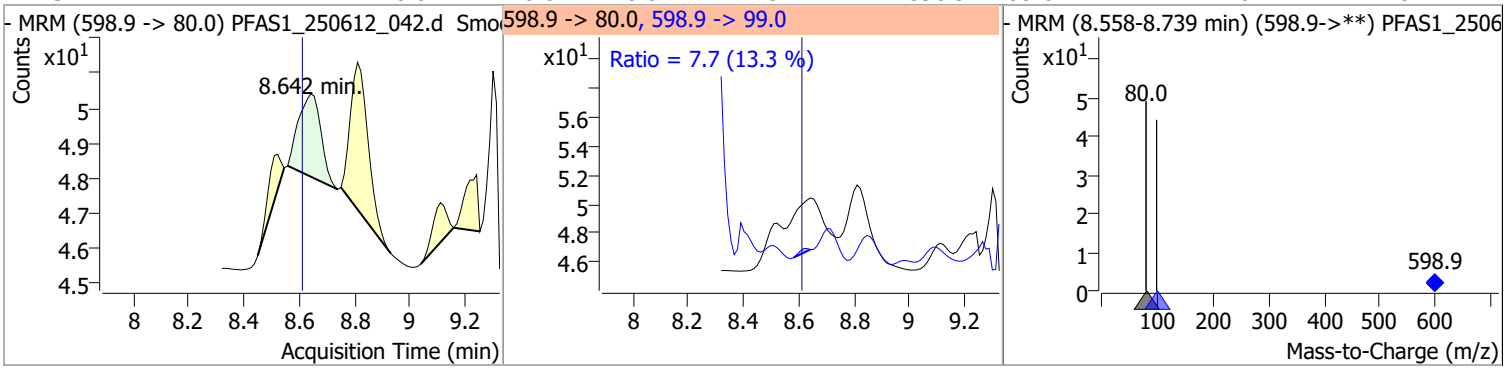
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0778	8.41	-0.01	90000				



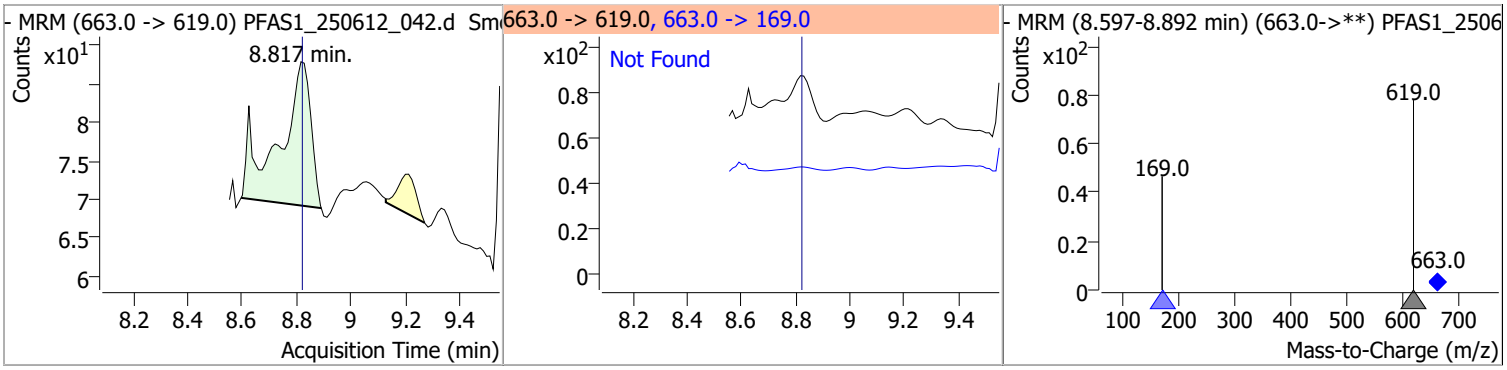
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0065	8.41	-0.01	91	613.0 -> 319.0	13.2	10.2	19.0



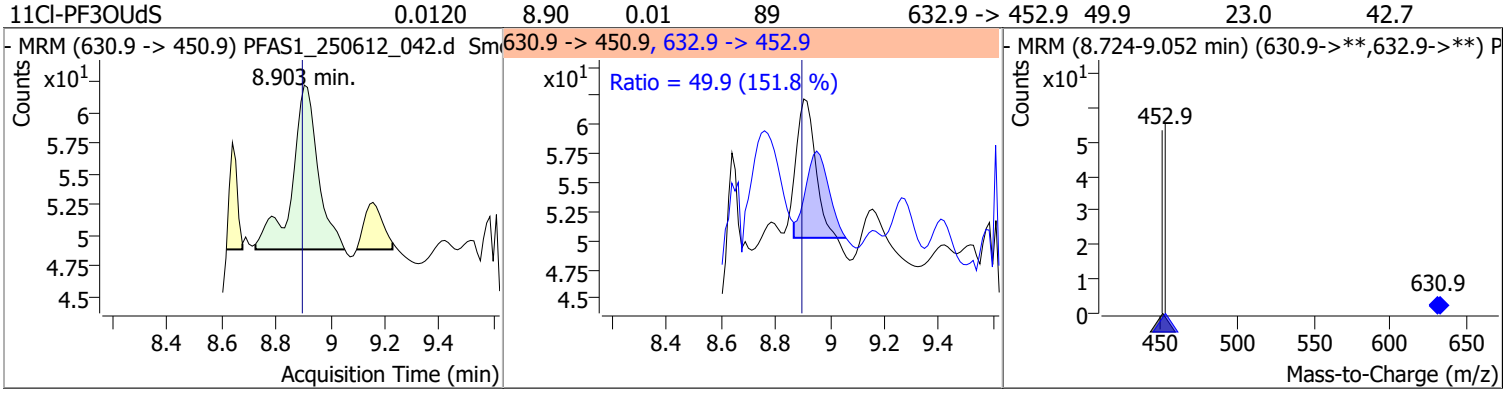
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0174	8.64	0.04	13	598.9 -> 99.0	7.7	40.4	74.9



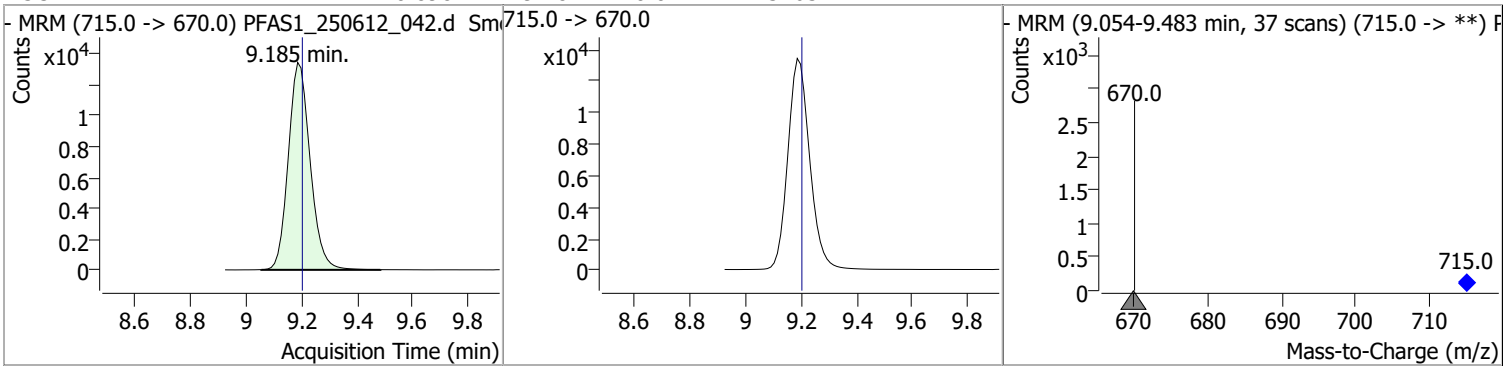
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0176	8.82	0.00	148	663.0 -> 169.0		7.2	13.4



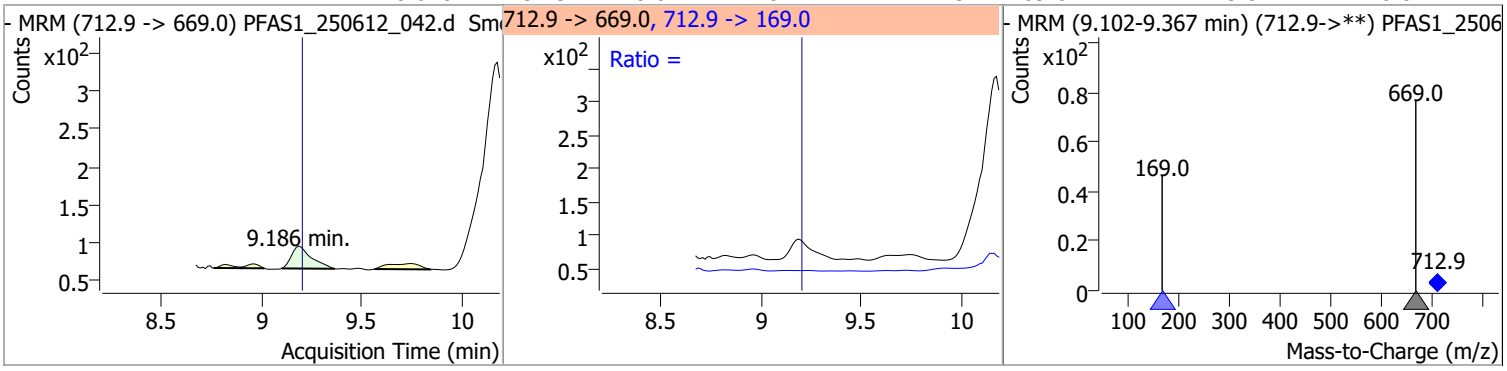
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0120	8.90	0.01	89	632.9 -> 452.9	49.9	23.0	42.7



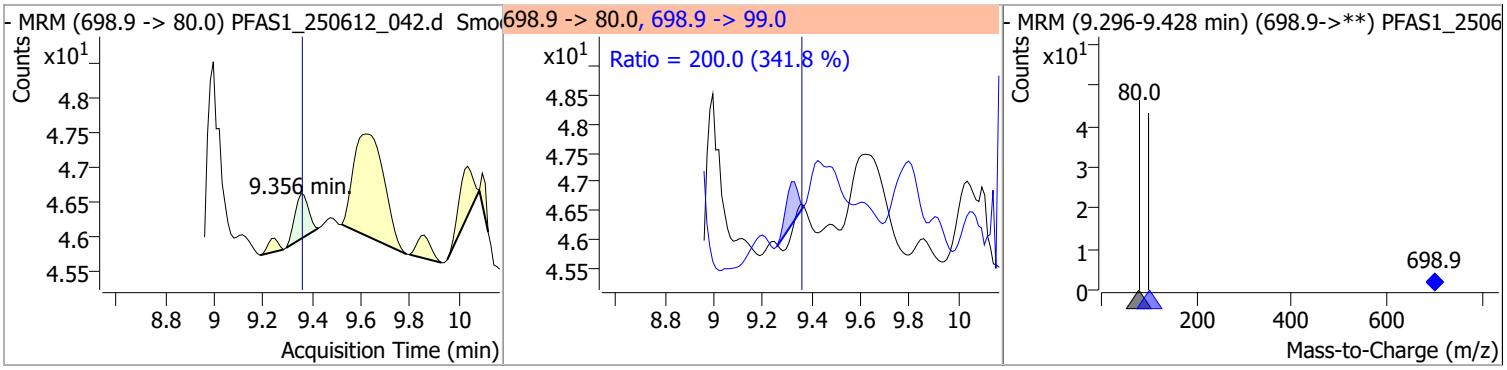
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8984	9.18	-0.01	73163				



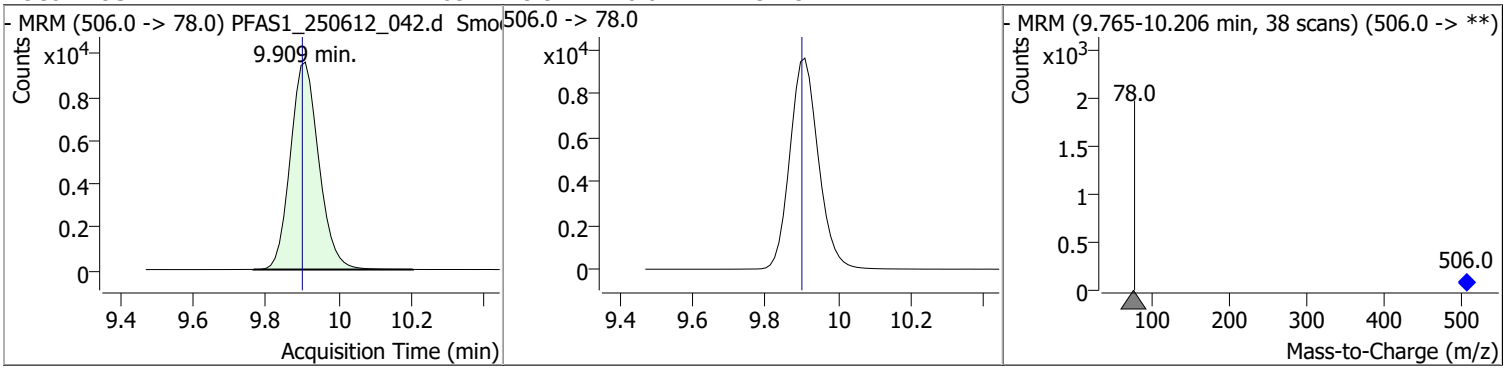
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0181	9.19	-0.01	207	712.9 -> 169.0		5.8	10.8



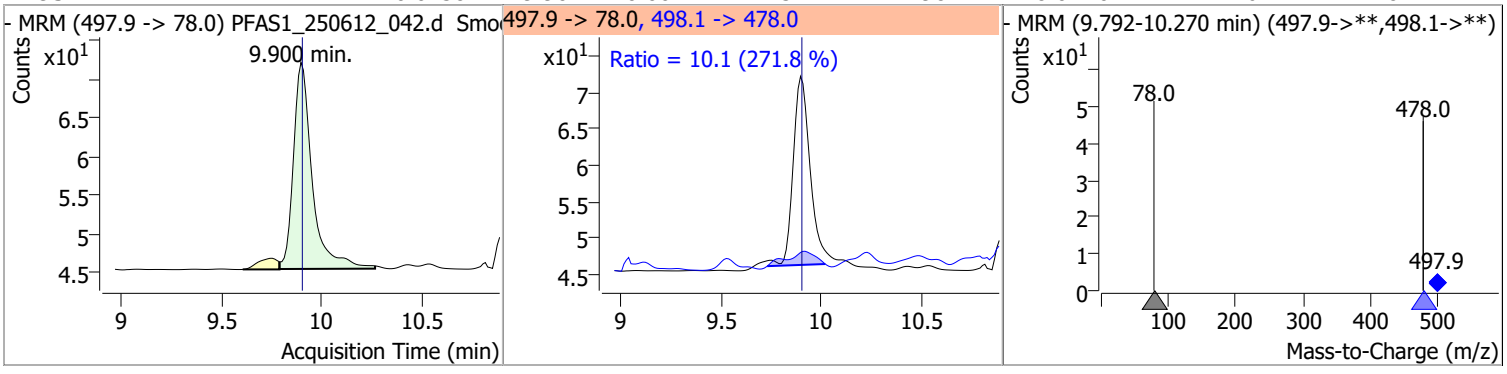
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0196	9.36	0.00	2	698.9 -> 99.0	200.0	41.0	76.1



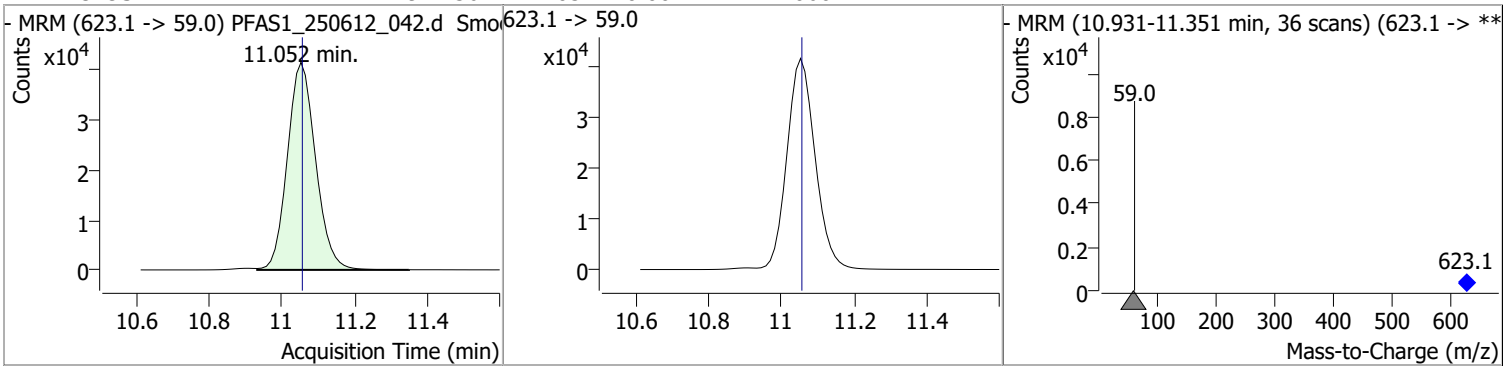
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.2485	9.91	0.01	52252				



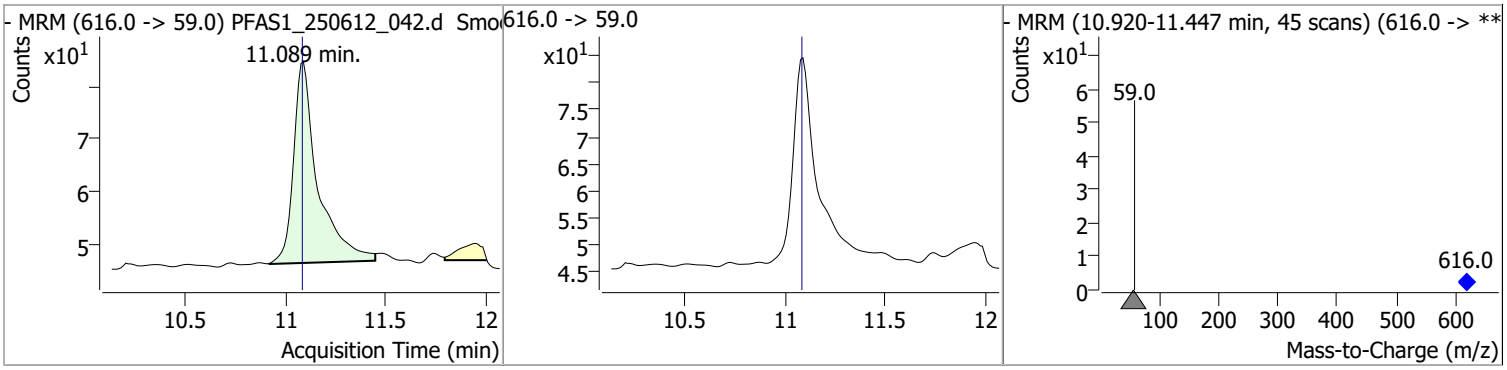
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0138	9.90	0.00	175	498.1 -> 478.0	10.1	2.6	4.8



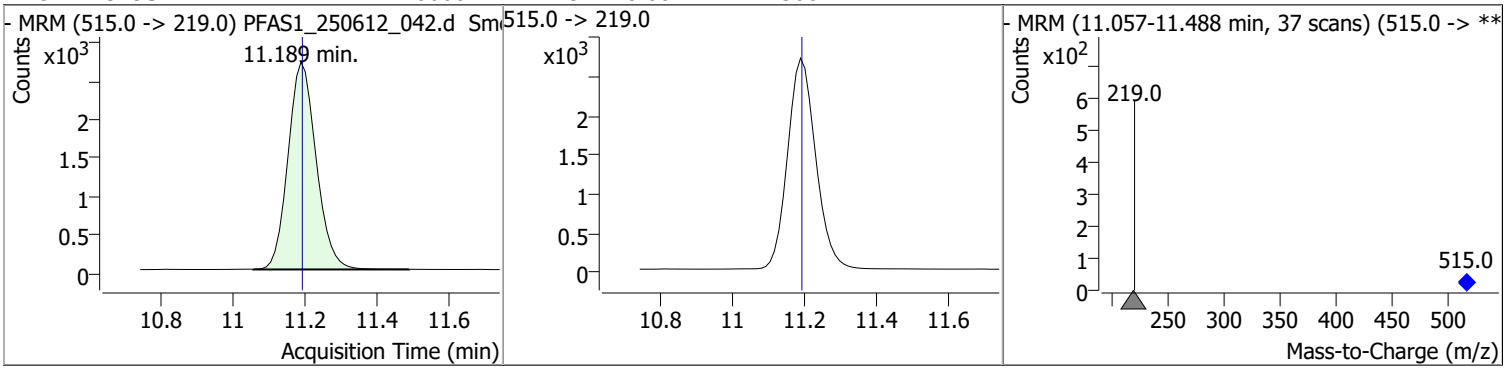
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.2436	11.05	0.00	224060				



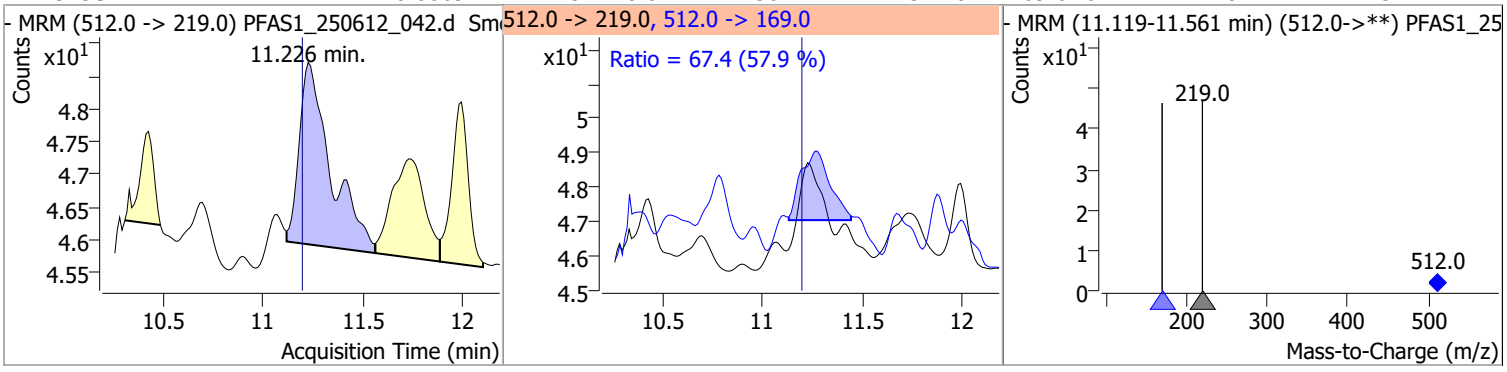
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	318				



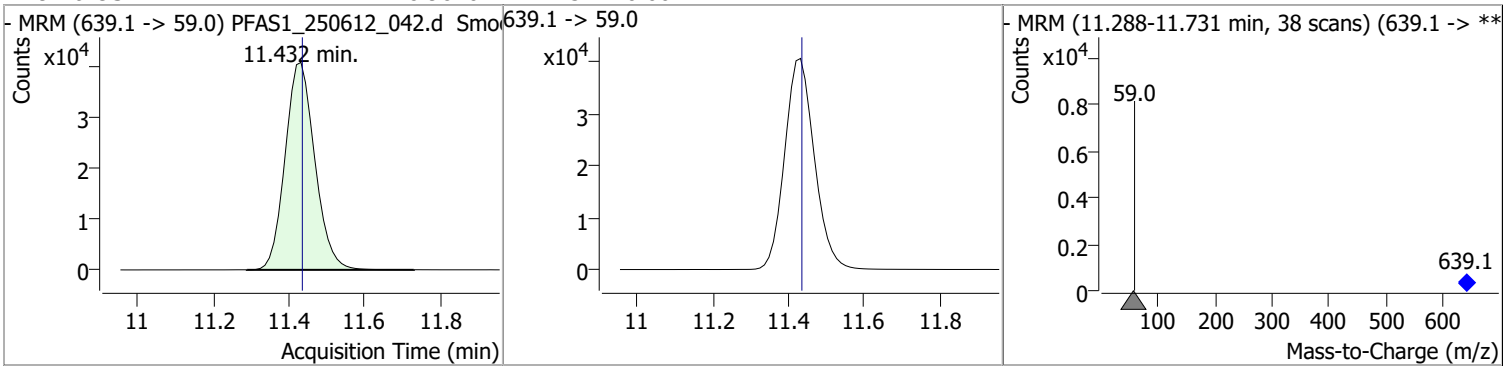
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.8666	11.19	0.00	14568				



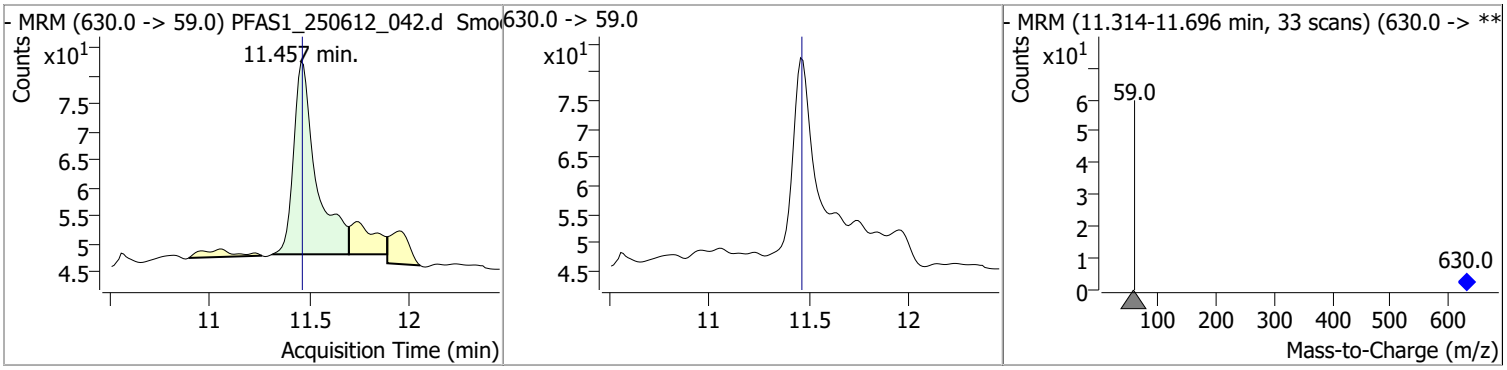
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0069	11.23	0.04	30	512.0 -> 169.0	67.4	81.4	151.2



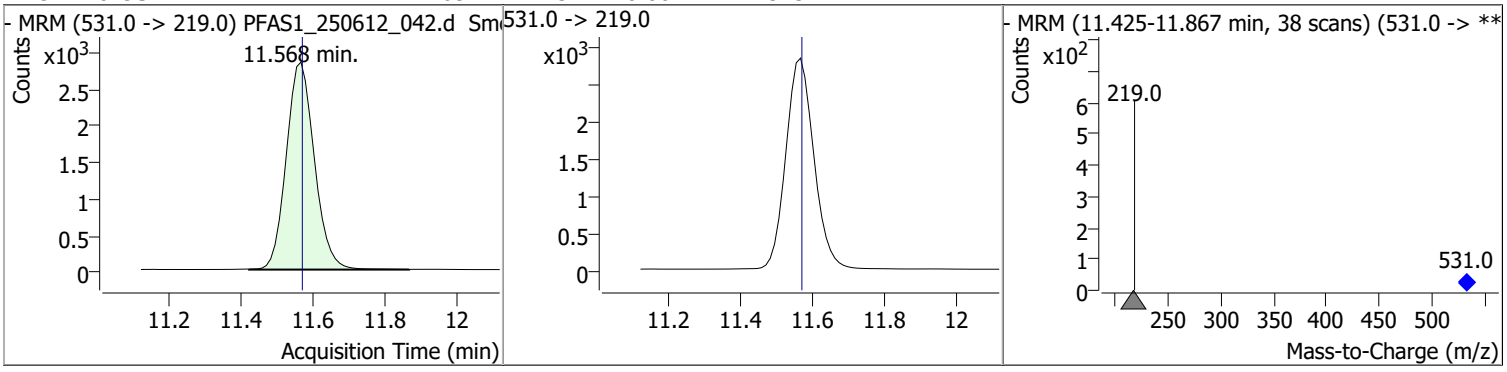
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	18.9840	11.43	0.00	221117				



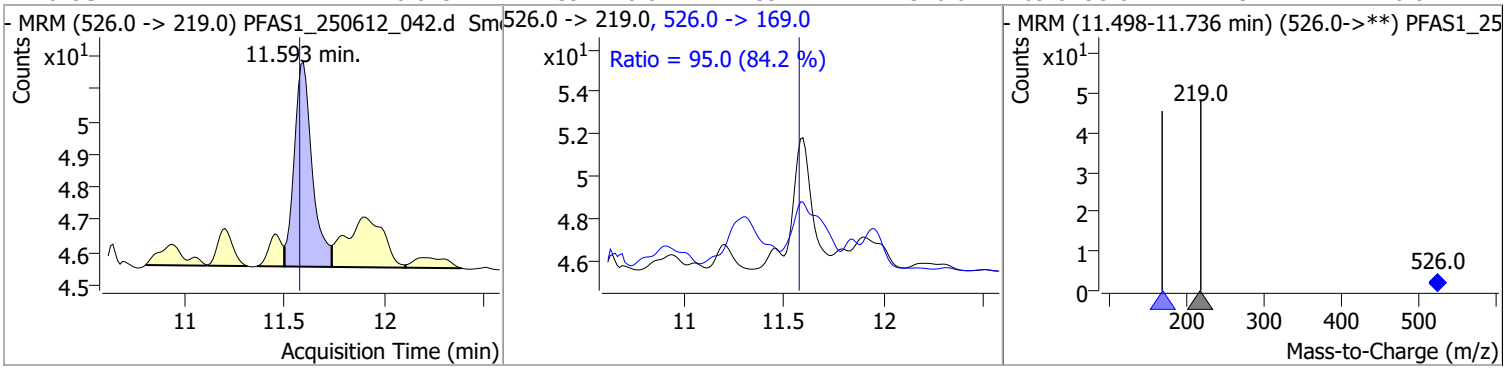
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	272				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.7765	11.57	0.00	15234				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0254	11.59	0.01	39	526.0 -> 169.0	95.0	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

E1633

MW39S-GW060575

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-04	File ID:	PFAS1_250612_043.d
Sampled:	06/05/25 14:10	Prepared:	06/11/25 11:09	Analyzed:	06/13/25 00:32
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	523.2158 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.46	3.06	6.12	U
2706-90-3	PFPeA		0.13	1.53	3.06	U
307-24-4	PFHxA	0.35	0.12	0.76	1.53	J
375-85-9	PFHpA		0.15	0.76	1.53	U
335-67-1	PFOA	0.25	0.11	0.76	1.53	J
375-95-1	PFNA		0.09	0.76	1.53	U
335-76-2	PFDA		0.12	0.76	1.53	U
2058-94-8	PFUnA		0.18	0.76	1.53	U
307-55-1	PFDoA		0.11	0.76	1.53	U
72629-94-8	PFTrDA		0.07	0.76	1.53	U
376-06-7	PFTeDA		0.11	0.76	1.53	U
375-73-5	PFBS	0.62	0.18	0.68	1.36	J
2706-91-4	PFPeS		0.20	0.72	1.44	U
355-46-4	PFHxS		0.22	0.70	1.40	U
375-92-8	PFHpS		0.39	0.73	1.45	U
1763-23-1	PFOS		0.21	0.89	1.78	U
68259-12-1	PFNS		0.19	0.74	1.47	U
335-77-3	PFDS		0.13	0.74	1.47	U
79780-39-5	PFDoS		0.08	0.74	1.48	U
757124-72-4	4:2FTS		0.39	2.87	5.73	U
27619-97-2	6:2FTS		2.65	2.91	5.81	U
39108-34-4	8:2FTS		0.58	2.93	5.87	U
754-91-6	PFOSA		0.10	0.76	1.53	U
31506-32-8	NMeFOSA		0.25	0.76	1.53	U
4151-50-2	NEtFOSA		0.30	0.76	1.53	U
2355-31-9	NMeFOSAA		0.42	0.76	1.53	U

1 - FORM I
ANALYSIS DATA SHEET
E1633

MW39S-GW060575

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-04	File ID:	PFAS1_250612_043.d
Sampled:	06/05/25 14:10	Prepared:	06/11/25 11:09	Analyzed:	06/13/25 00:32
		Preparation:	1633 Water	Dilution:	1
Initial/Final:	523.2158 ml / 5 ml				
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075	Instrument:	PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.28	0.76	1.53	U
24448-09-7	NMeFOSE		0.97	7.65	15.3	U
1691-99-2	NEtFOSE		1.20	7.65	15.3	U
13252-13-6	HFPO-DA		0.39	1.53	3.06	U
919005-14-4	ADONA		0.14	1.44	2.89	U
756426-58-1	9CL-PF3ONS		0.17	1.43	2.86	U
763051-92-9	11CL-PF3OUdS		0.30	1.44	2.89	U
356-02-5	3:3FTCA		0.63	3.06	6.12	U
914637-49-3	5:3FTCA		3.50	15.3	30.6	U
812-70-4	7:3FTCA		2.92	15.3	30.6	U
113507-82-7	PFEESA		0.16	1.36	2.72	U
377-73-1	PFMPA		0.11	1.53	3.06	U
863090-89-5	PFMBA		0.11	1.53	3.06	U
151772-58-6	NFDHA		0.43	1.53	3.06	U

Italicized = secondary result

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_043.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 12:32:23 AM
Sample Name	O25F0365-04	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

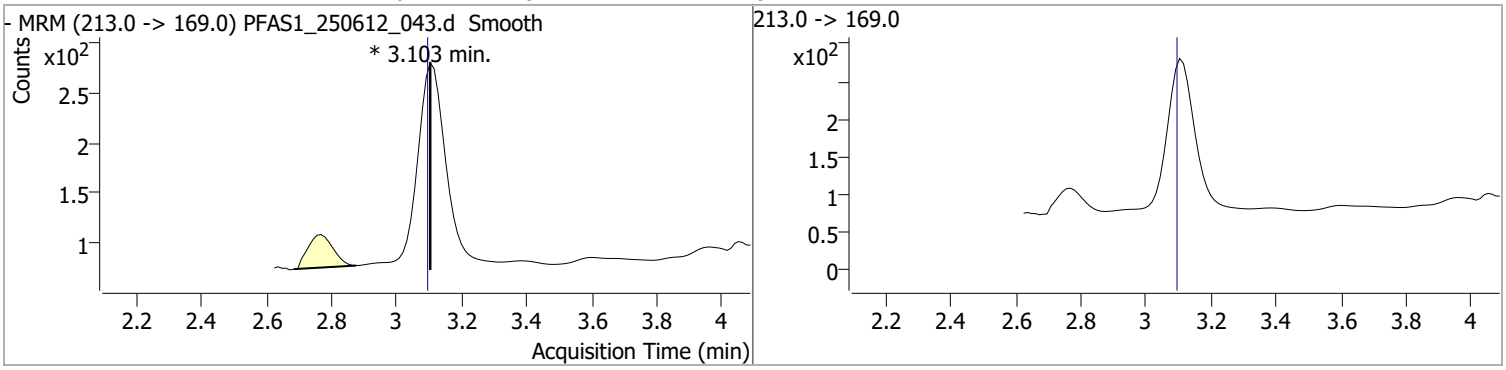
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	167154	5.0000	µg/L	5.675
13C2-PFHxA	5.479	315.0 -> 270.0	188211	2.5000	µg/L	5.337
18O2-PFHxS	6.796	403.0 -> 84.0	24158	2.5000	µg/L	2.799
13C4-PFOA	6.651	417.0 -> 172.0	21798	2.5000	µg/L	7.939
13C5-PFNA	7.125	468.0 -> 423.0	128785	1.2500	µg/L	7.609
13C2-PFDA	7.564	515.0 -> 470.0	135132	1.2500	µg/L	7.992
13C4-PFOS	7.745	503.0 -> 80.0	27209	2.5000	µg/L	8.987
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	226908	10.0000	µg/L	-37.832
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 58.80%		
13C4-PFBA	3.107	217.0 -> 172.0	226908	10.0000	µg/L	-37.832
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 58.80%		
13C5-PFPeA	4.594	268.0 -> 223.0	278551	5.0000	µg/L	3.257
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.06%		
13C5-PFPeA	4.594	268.0 -> 223.0	278551	5.0000	µg/L	3.257
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.06%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20390	5.0000	µg/L	26.528
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 123.72%		
13C5-PFHxA	5.478	318.0 -> 273.0	188377	2.5000	µg/L	2.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%		
13C5-PFHxA	5.478	318.0 -> 273.0	188377	2.5000	µg/L	2.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%		
13C3-PFBS	5.505	302.0 -> 80.0	43908	2.5000	µg/L	3.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	222247	10.0000	µg/L	0.169
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.06%		
13C4-PFHpA	6.142	367.0 -> 322.0	218465	2.5000	µg/L	2.470
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.23%		
13C3-PFHxS	6.797	402.0 -> 80.0	26869	2.5000	µg/L	-0.416
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.92%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	13474	5.0000	µg/L	19.482
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.68%		
13C8-PFOA	6.650	421.0 -> 376.0	233295	2.5000	µg/L	3.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	26869	2.5000	µg/L	-0.416
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.92%		
13C9-PFNA	7.125	472.0 -> 427.0	128440	1.2500	µg/L	4.677
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.30%		
13C8-PFOS	7.744	507.0 -> 80.0	24934	2.5000	µg/L	0.769
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14314	5.0000	µg/L	16.295
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.20%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14314	5.0000	µg/L	16.295
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.20%		
13C6-PFDA	7.563	519.0 -> 474.0	139277	1.2500	µg/L	4.795

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.10%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	89151	5.0000	µg/L		-4.078
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.76%			
13C8-PFOS	7.744	507.0 -> 80.0	24934	2.5000	µg/L		0.769
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71124	5.0000	µg/L		-4.583
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.38%			
13C7-PFUnDA	7.999	570.0 -> 525.0	118898	1.2500	µg/L		3.064
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.47%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	84421	1.2500	µg/L		-14.729
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 78.90%			
13C2-PFDoDA	8.412	615.0 -> 570.0	95175	1.2500	µg/L		-5.062
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 87.85%			
13C2-PFTDA	9.185	715.0 -> 670.0	73666	1.2500	µg/L		-24.643
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 69.72%			
13C8-PFOSA	9.909	506.0 -> 78.0	55092	2.5000	µg/L		0.727
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.22%			
2H7-MeFOSE	11.052	623.1 -> 59.0	235503	25.0000	µg/L		-14.272
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 78.69%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	15135	2.5000	µg/L		-17.537
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 75.44%			
2H9-EtFOSE	11.432	639.1 -> 59.0	231796	25.0000	µg/L		-15.641
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 77.42%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15795	2.5000	µg/L		-21.796
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 71.65%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.794	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.006	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.868	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.251	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.402	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.492	313.0 -> 269.0	2308	0.0370	µg/L		99
PFBS	5.507	298.9 -> 80.0	1379	0.0651	µg/L		99
HFPO-DA	5.748	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.896	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.132	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.229	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	0.000		0	N.D.			
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.651	413.0 -> 369.0	1437	0.0257	µg/L		91
PFHxS	6.798	398.9 -> 80.0	235	0.0145	µg/L	#	74
PFNA	0.000		0	N.D.			
PFHpS	7.414	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.349	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.152	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.564	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.704	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	250	0.0000	µg/L	#	73
N-EtFOSAA	7.951	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.965	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.086	530.9 -> 350.9	0	0.0000	µg/L	md	

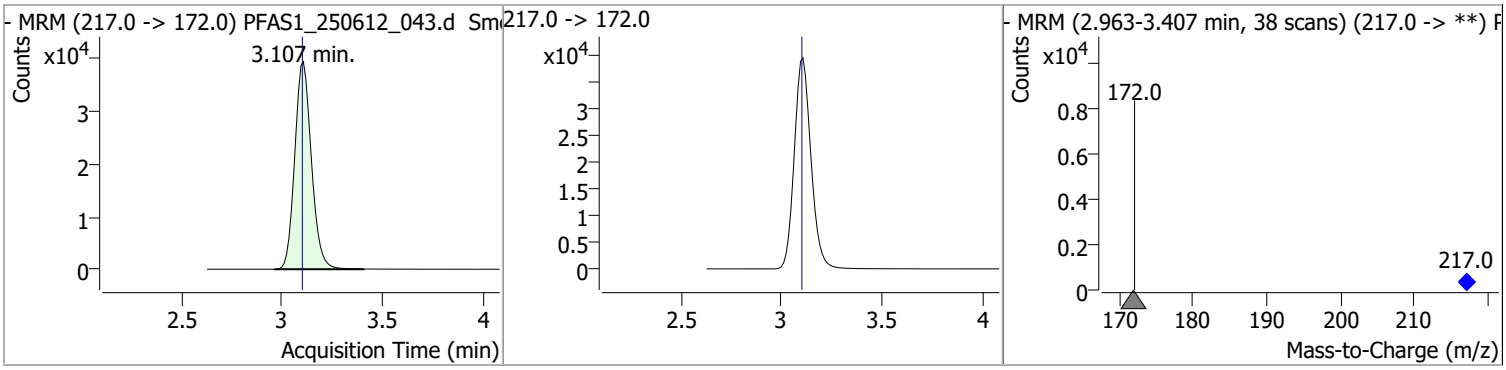
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.204	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.412	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.630	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.817	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.891	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.186	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.344	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.077	616.0 -> 59.0	526	0.0000	µg/L		100
N-MeFOSA	11.059	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	713	0.0000	µg/L		100
N-EtFOSA	11.652	526.0 -> 219.0	0	0.0000	µg/L	md	

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

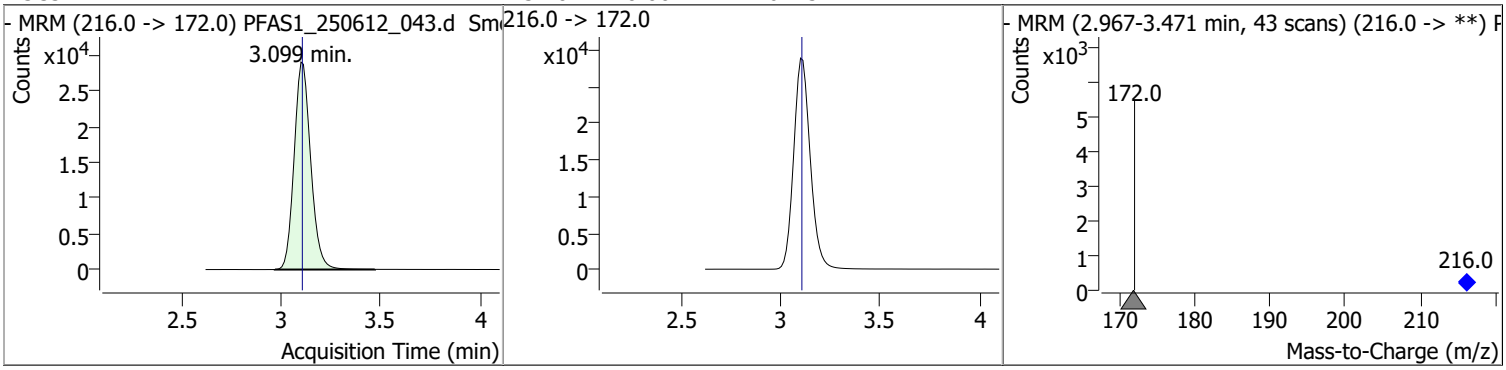
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				



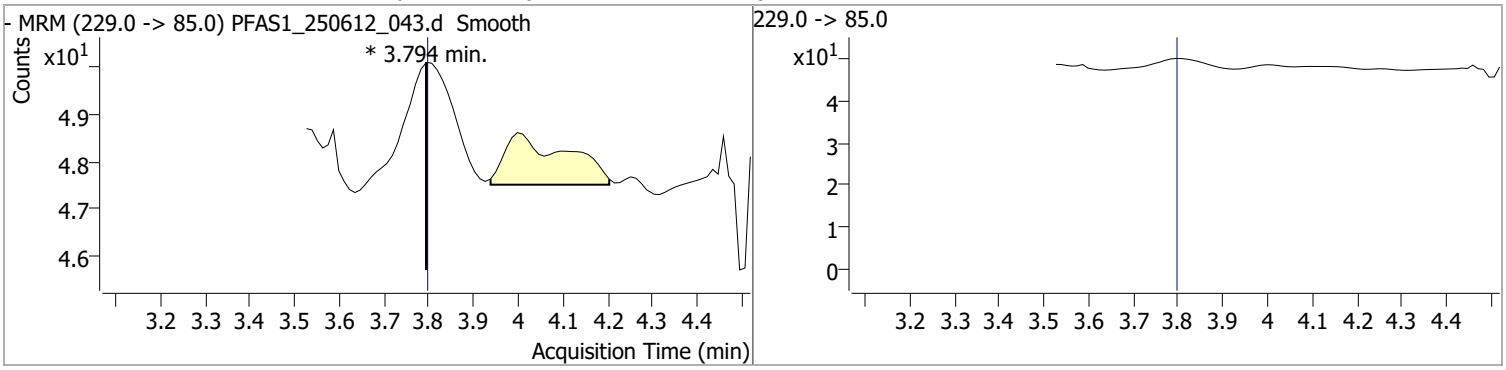
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.8795	3.11	0.01	226908				



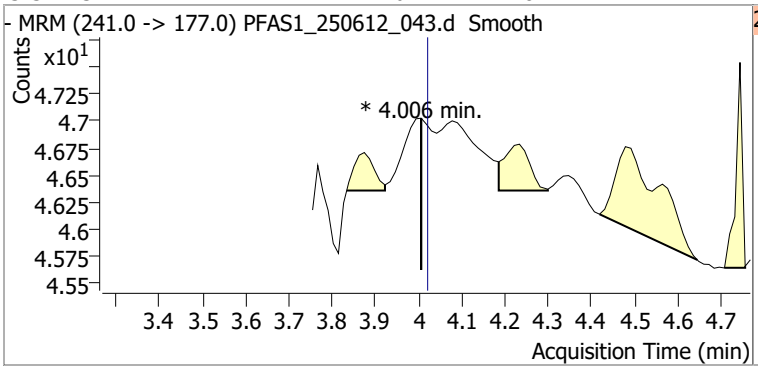
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	167154				

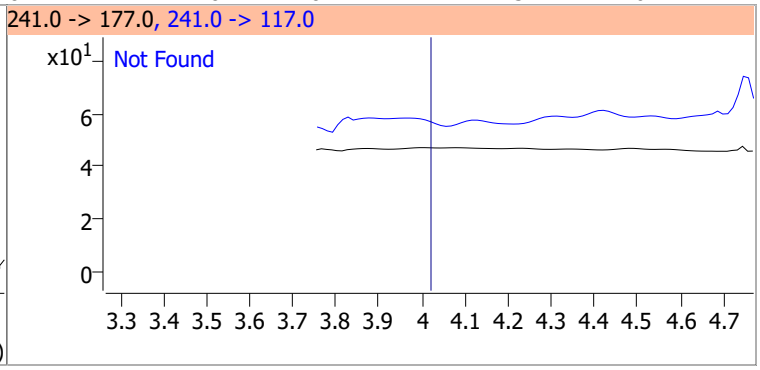


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				

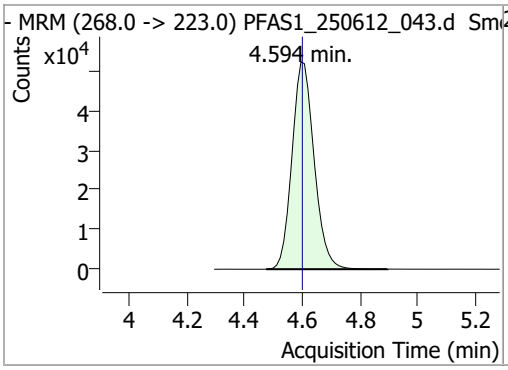


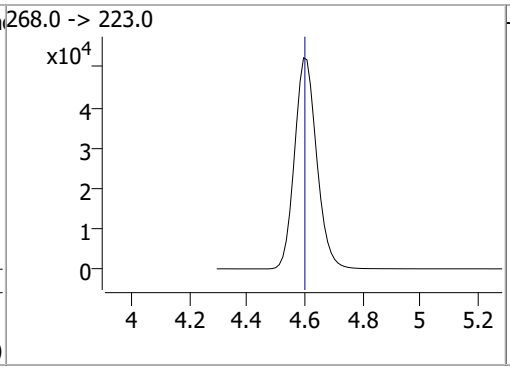
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

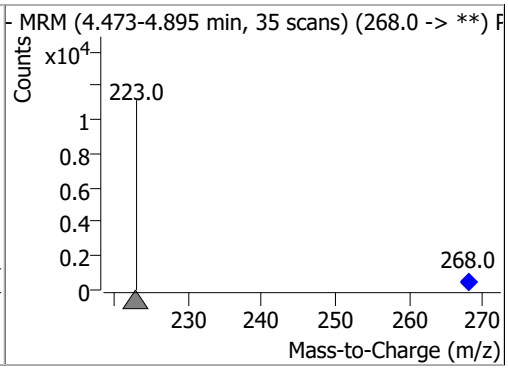




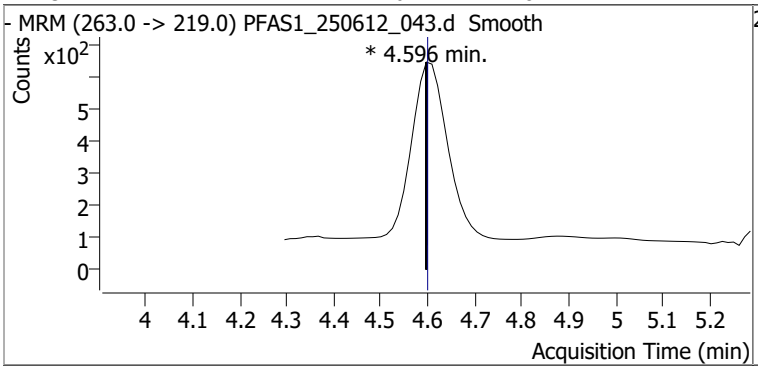
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9029	4.59	0.00	278551				

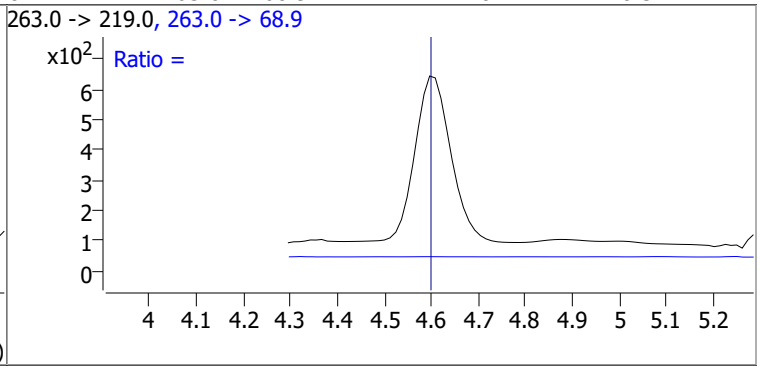




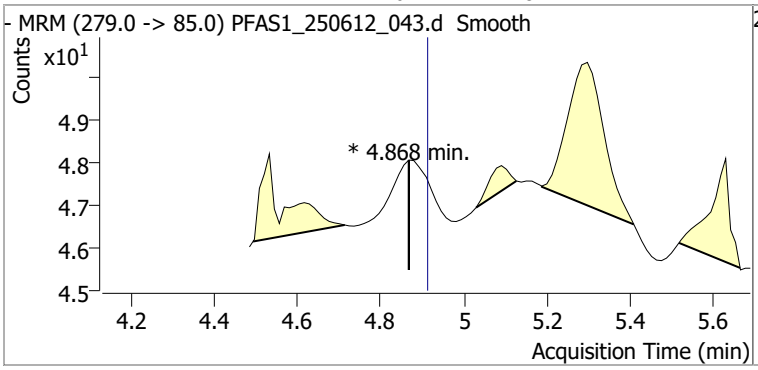


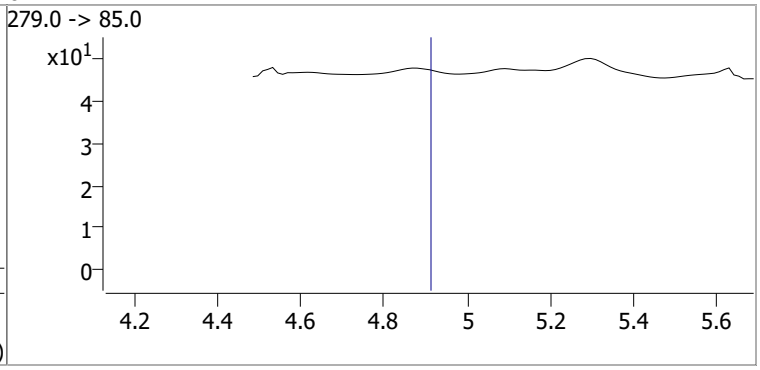
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



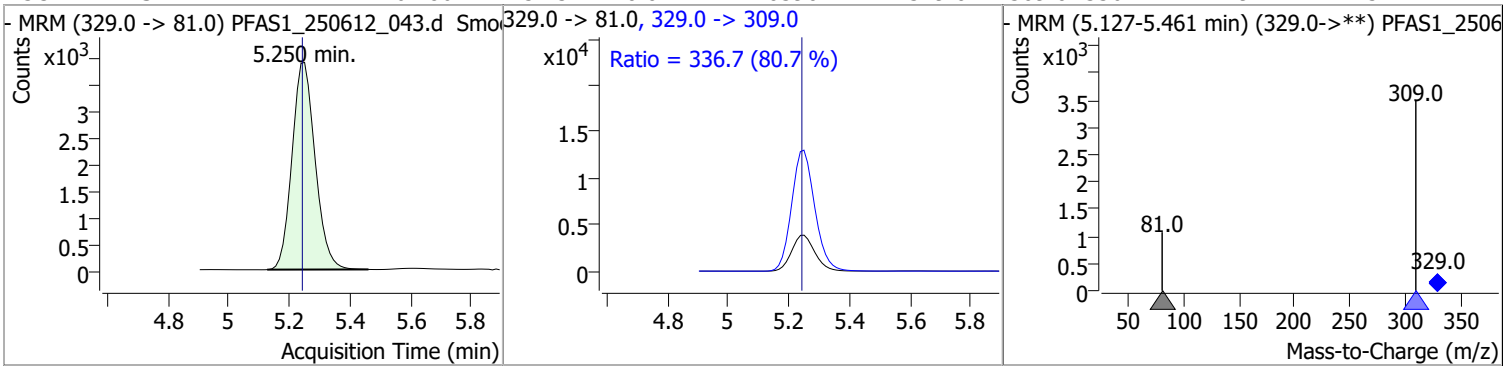


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

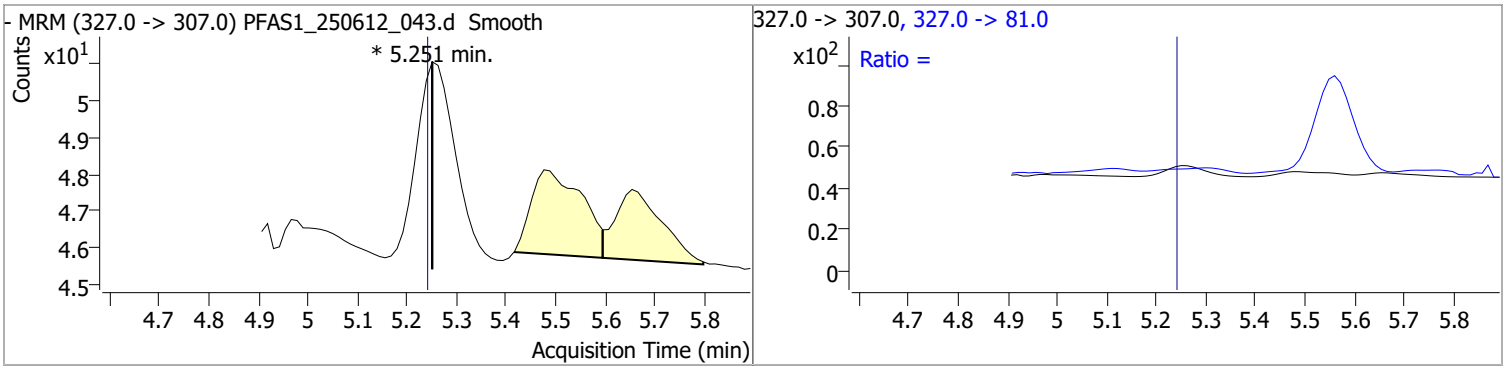




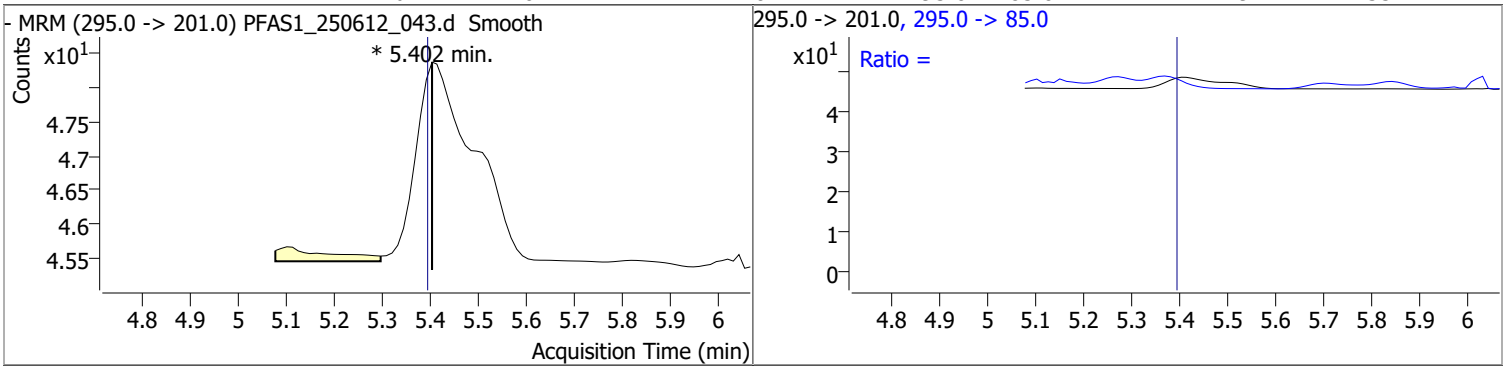
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1862	5.25	0.01	20390	329.0 -> 309.0	336.7	292.1	542.4



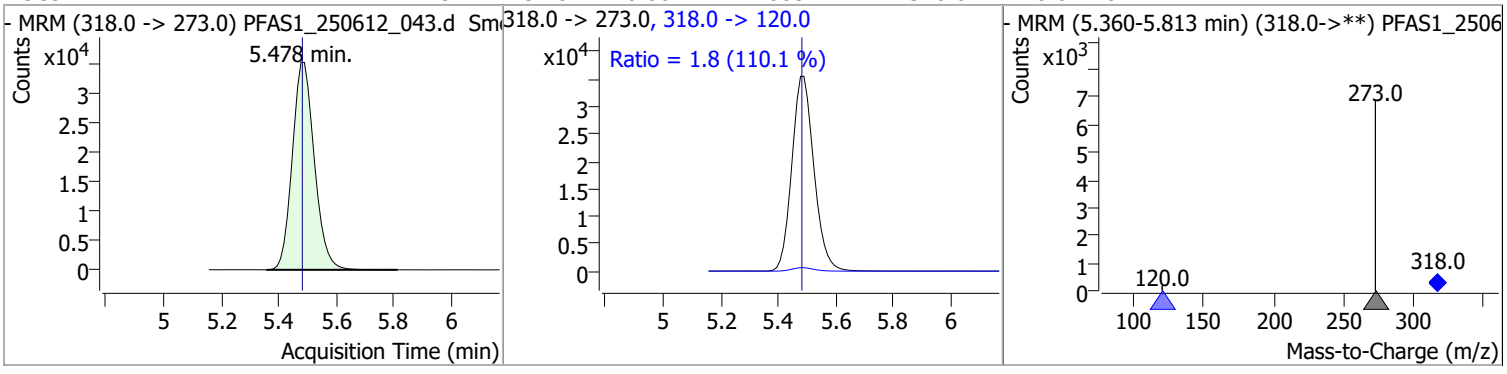
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



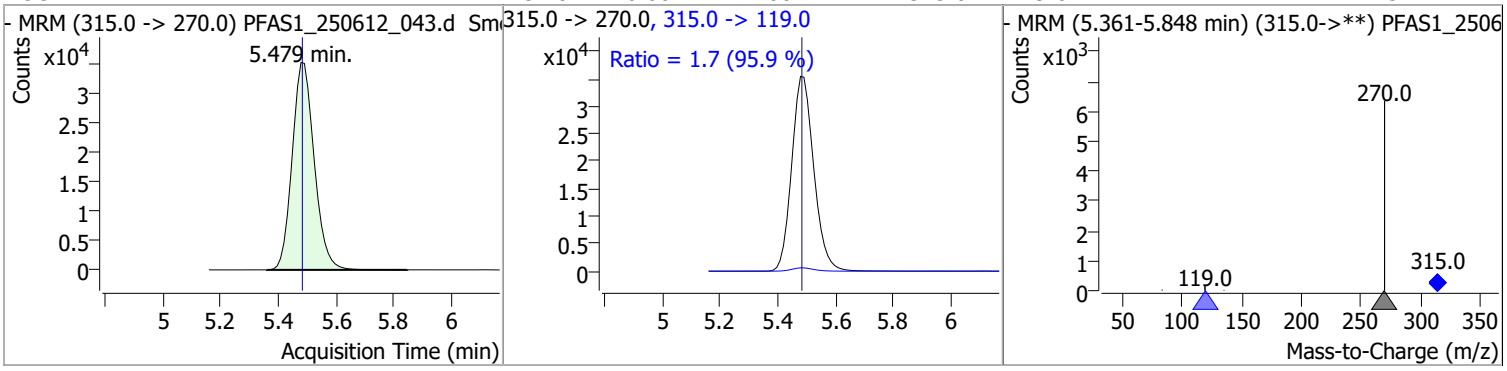
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



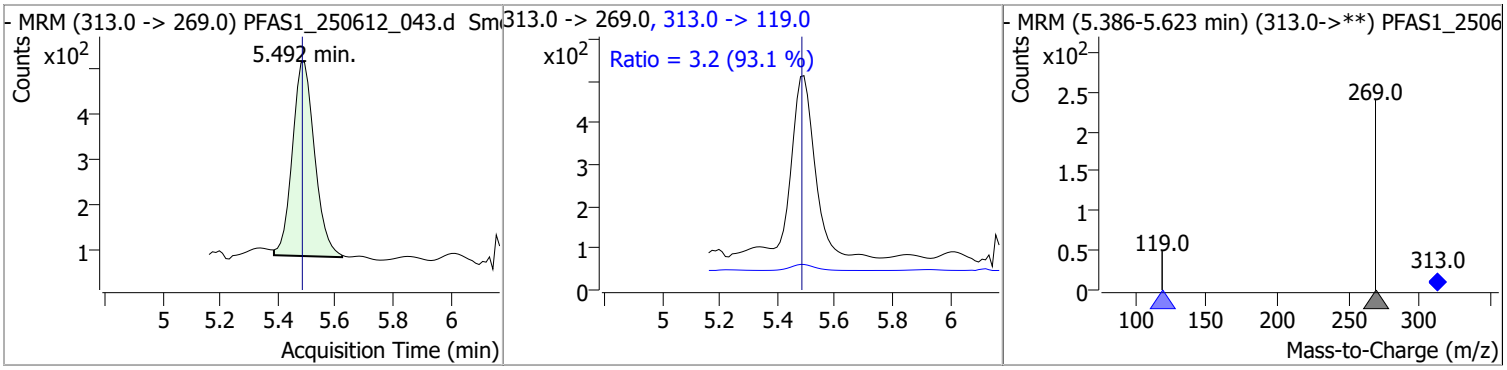
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4294	5.48	0.00	188377	318.0 -> 120.0	1.8	1.1	2.1



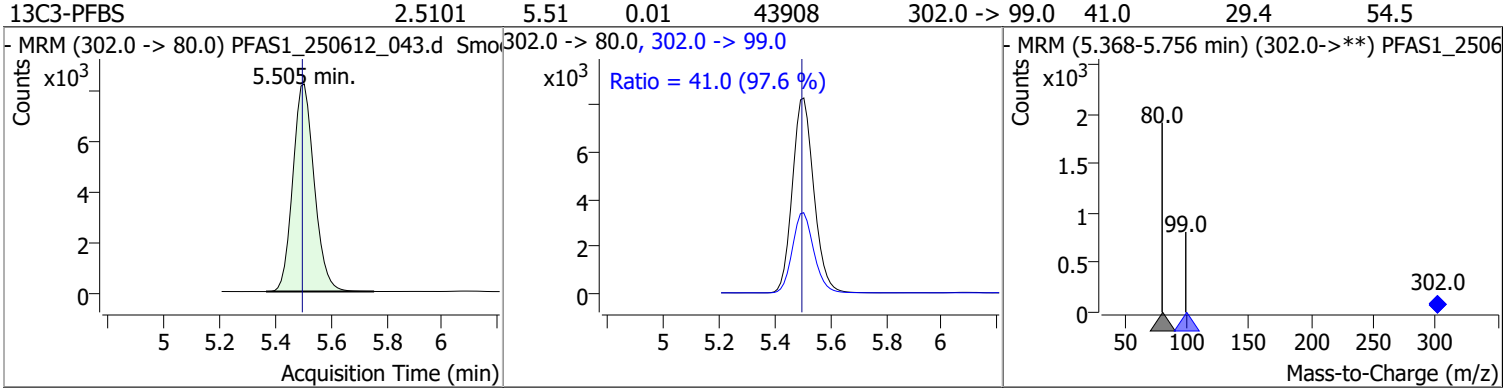
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	188211	315.0 -> 119.0	1.7	1.2	2.3



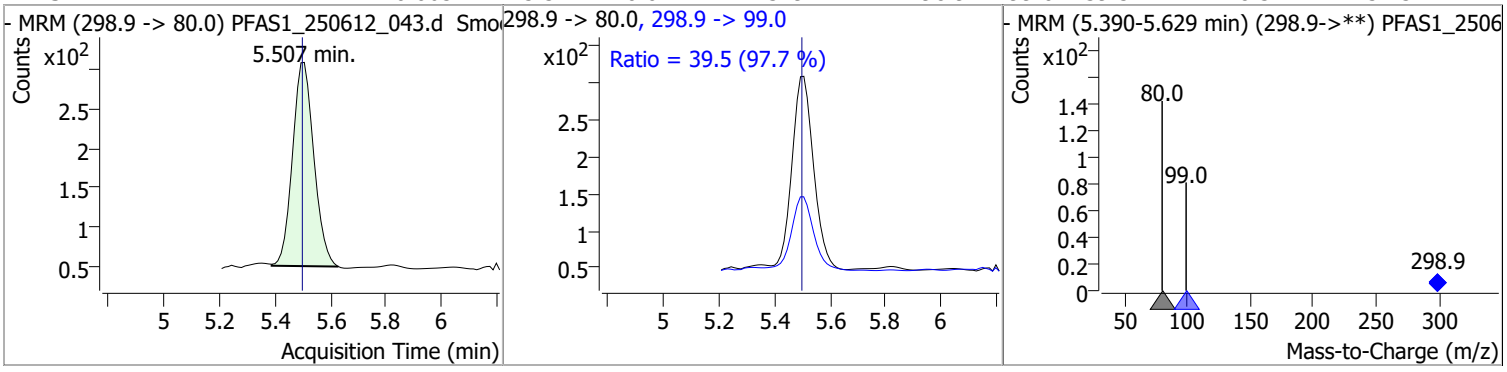
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0370	5.49	0.01	2308	313.0 -> 119.0	3.2	2.4	4.5



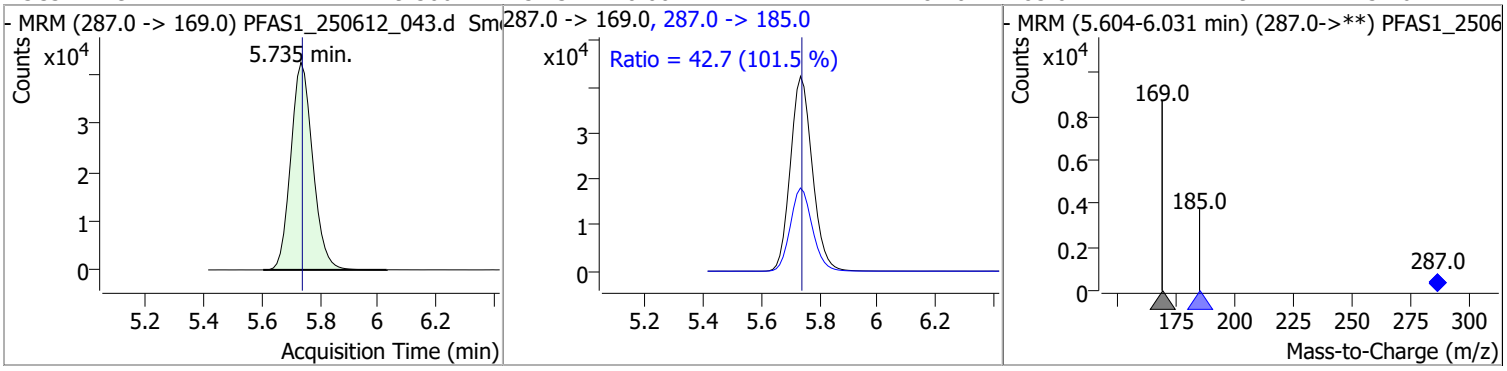
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5101	5.51	0.01	43908	302.0 -> 99.0	41.0	29.4	54.5



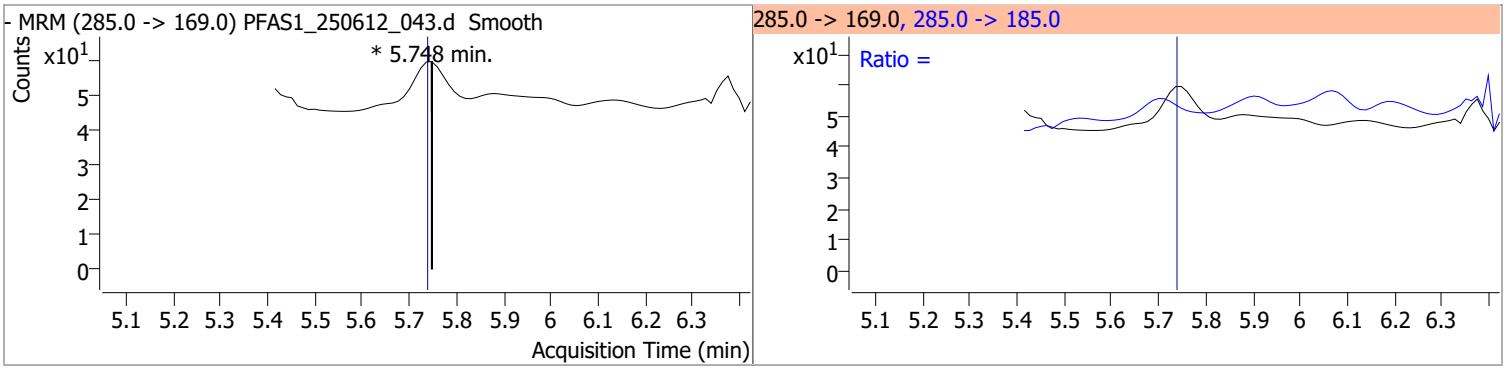
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0651	5.51	0.01	1379	298.9 -> 99.0	39.5	28.3	52.5



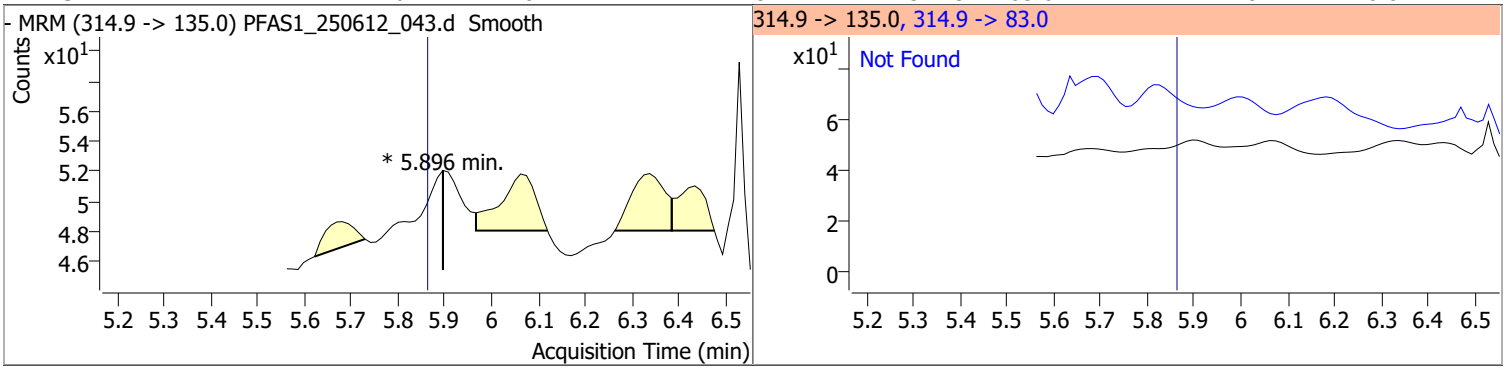
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5062	5.73	0.00	222247	287.0 -> 185.0	42.7	29.4	54.6



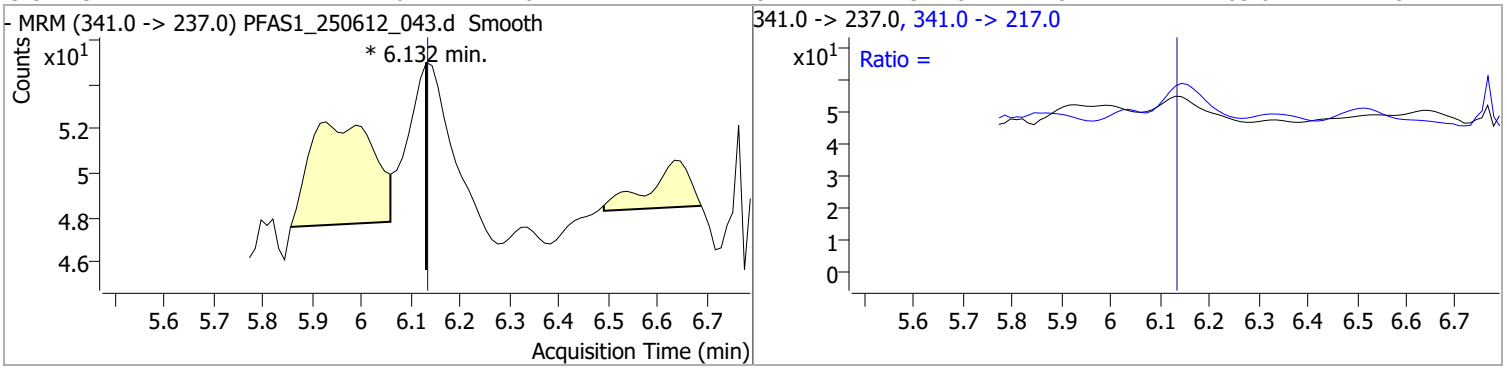
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



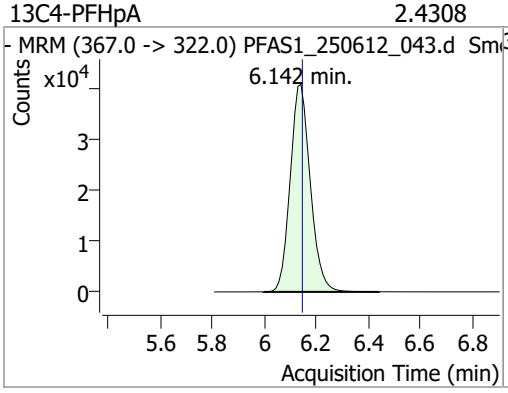
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8

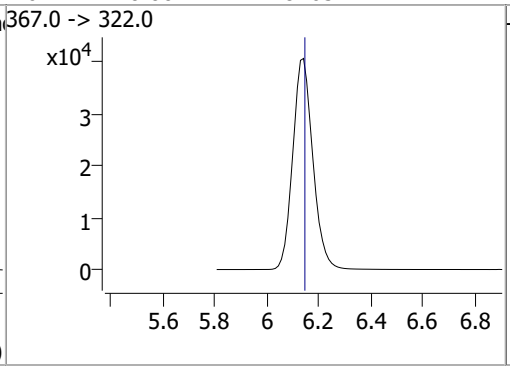


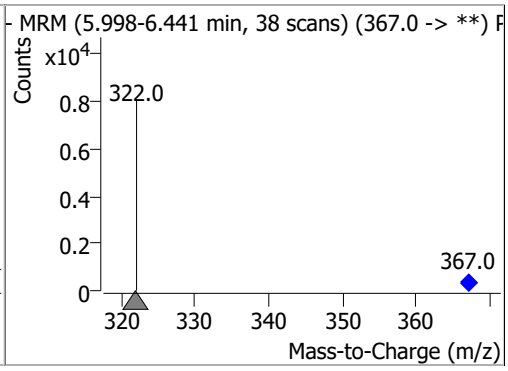
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1



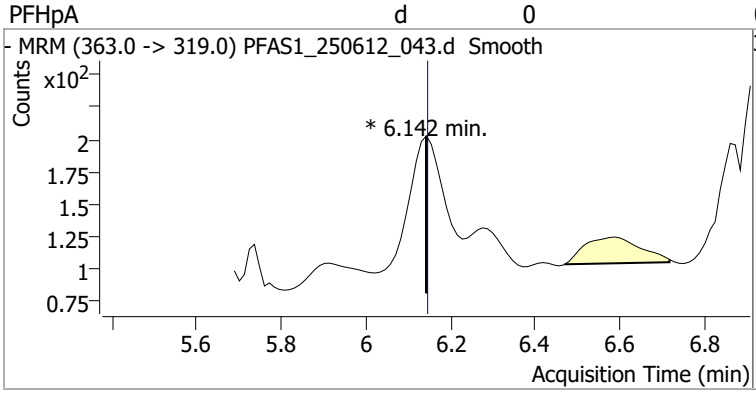
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4308	6.14	0.00	218465				

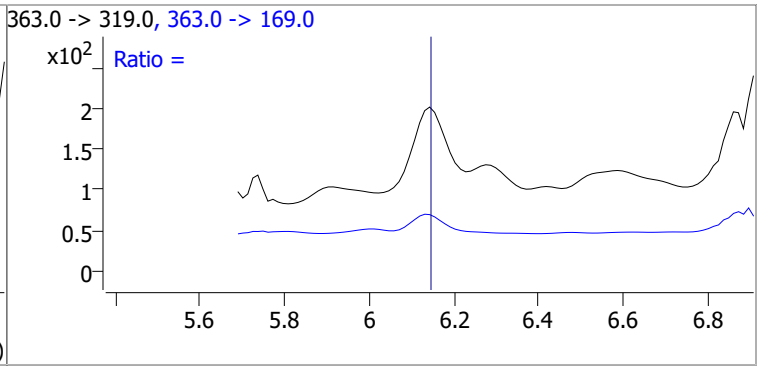




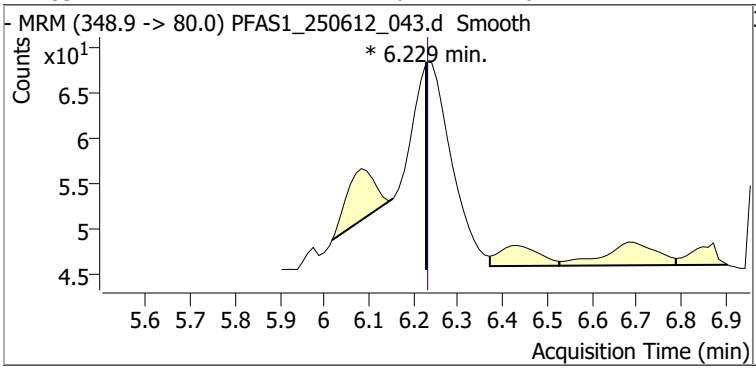


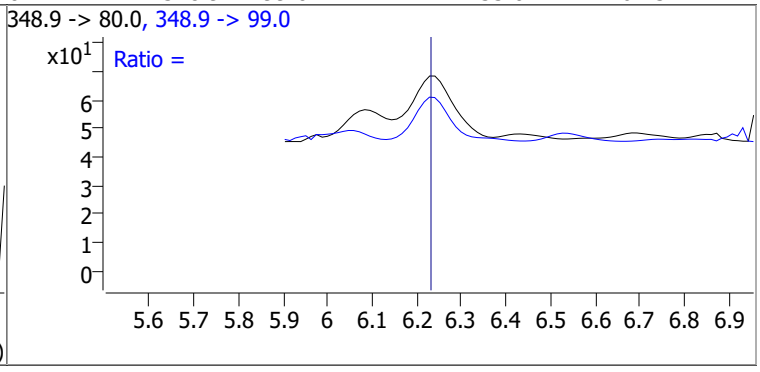
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



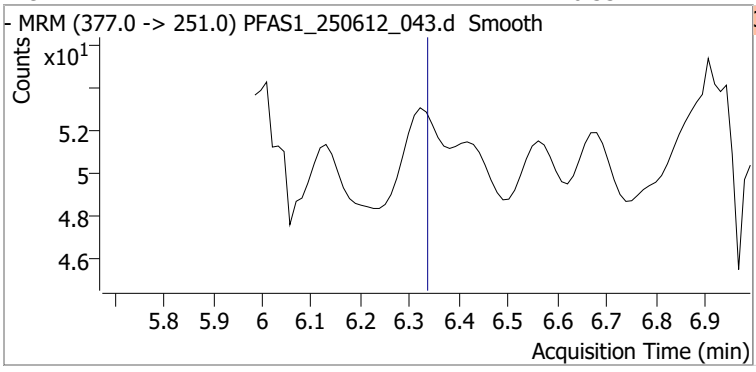


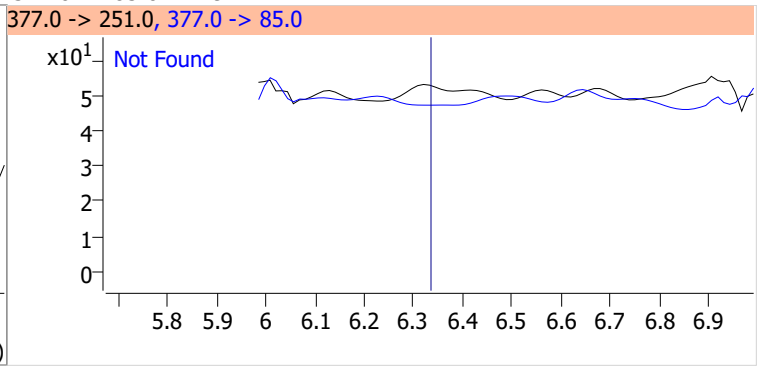
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



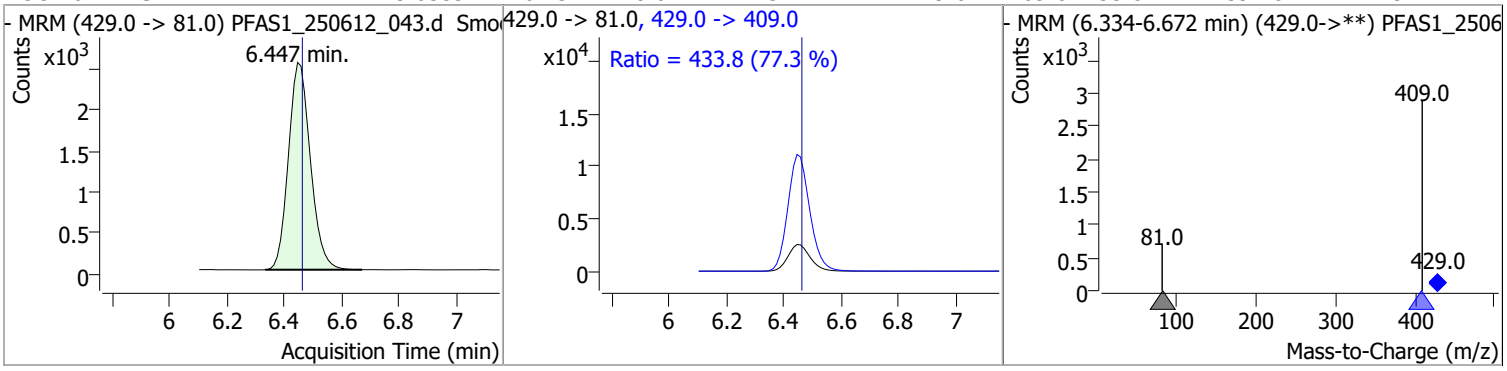


Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	6.33	377.0 -> 85.0	29.1

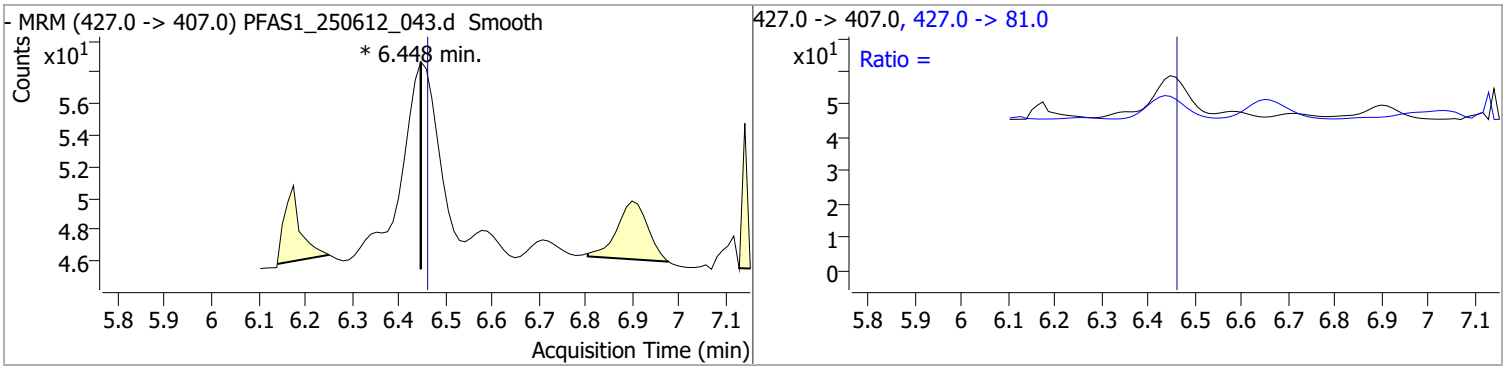




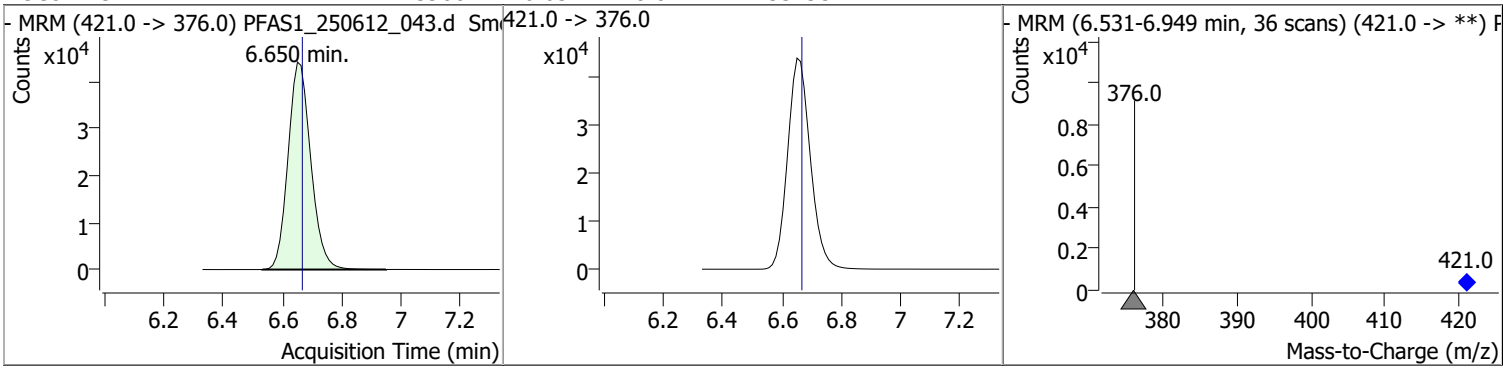
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8339	6.45	-0.01	13474	429.0 -> 409.0	433.8	392.8	729.4



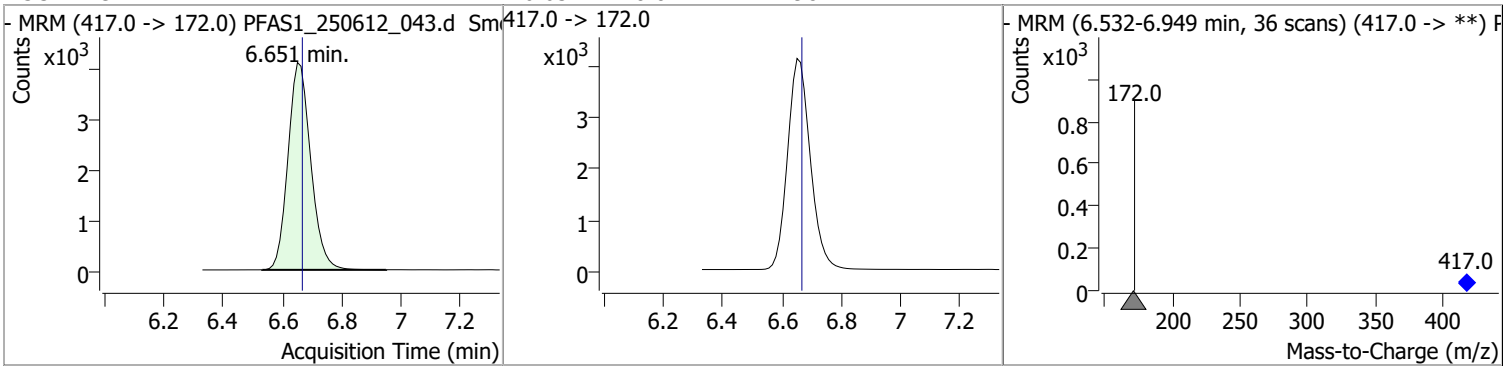
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



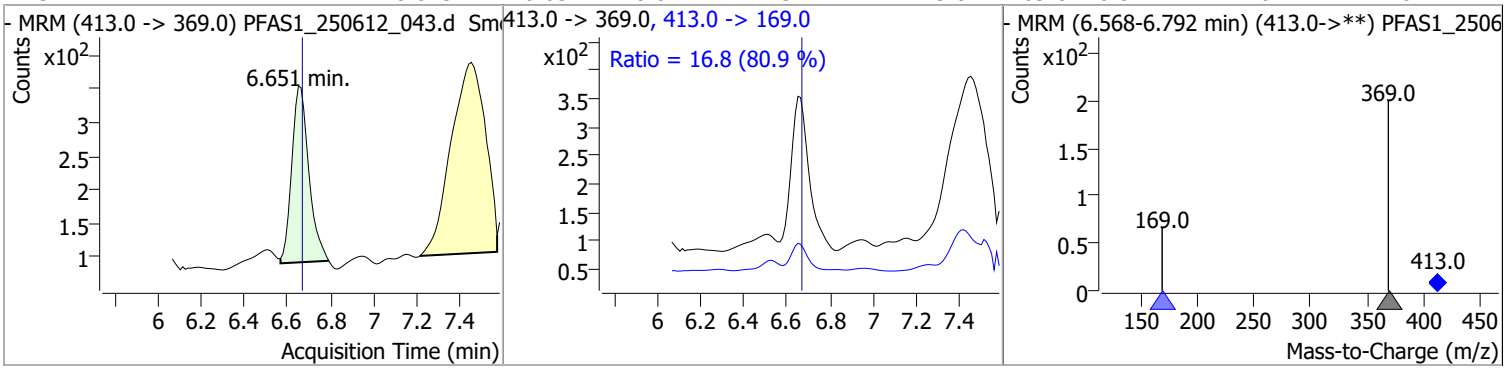
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3900	6.65	-0.01	233295				



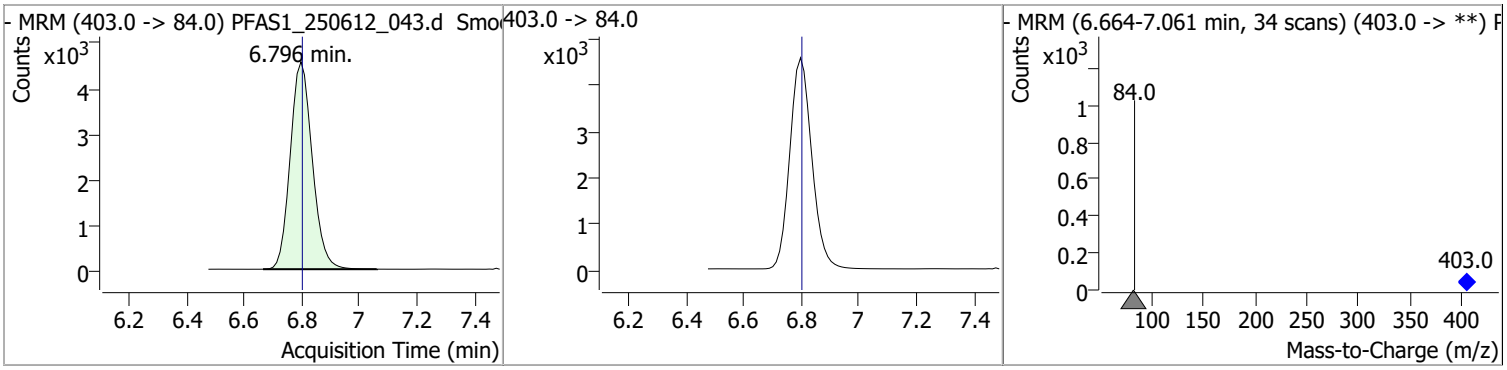
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	21798				



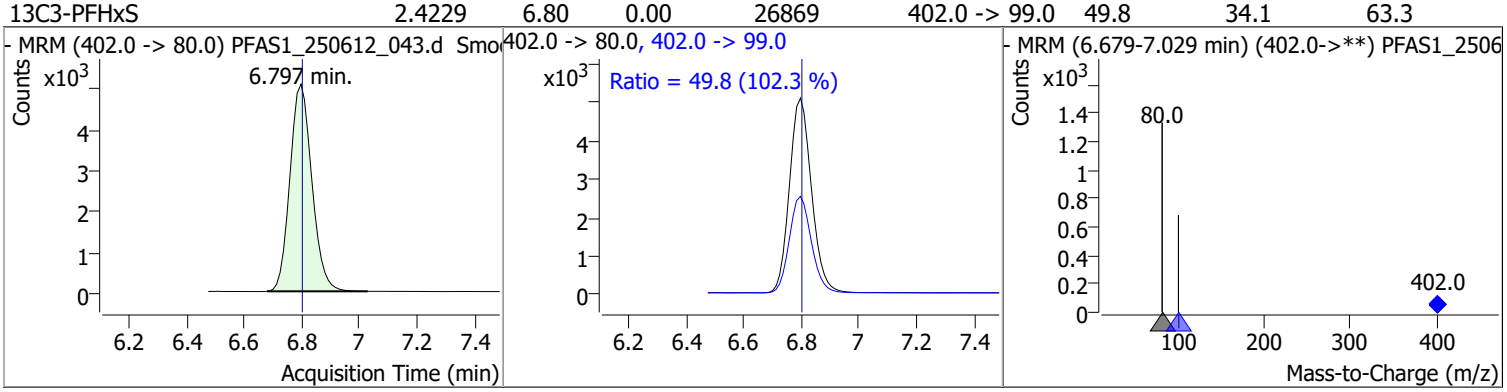
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0257	6.65	-0.01	1437	413.0 -> 169.0	16.8	14.6	27.0



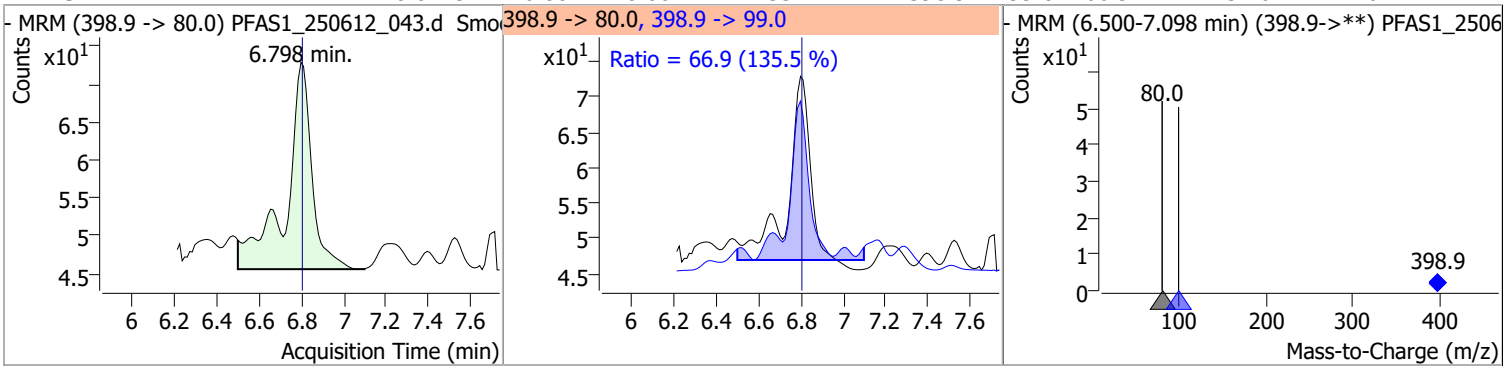
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24158				



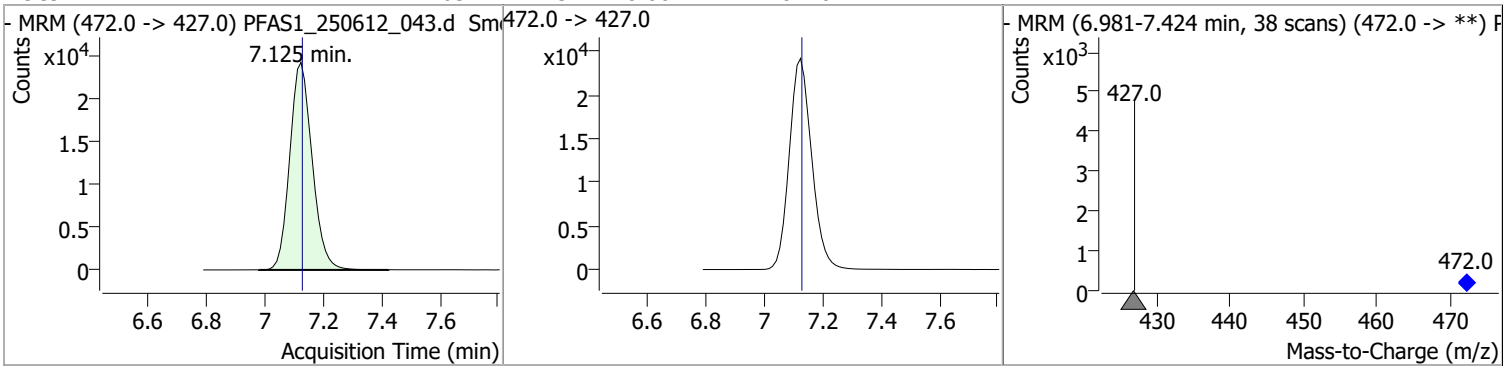
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4229	6.80	0.00	26869	402.0 -> 99.0	49.8	34.1	63.3



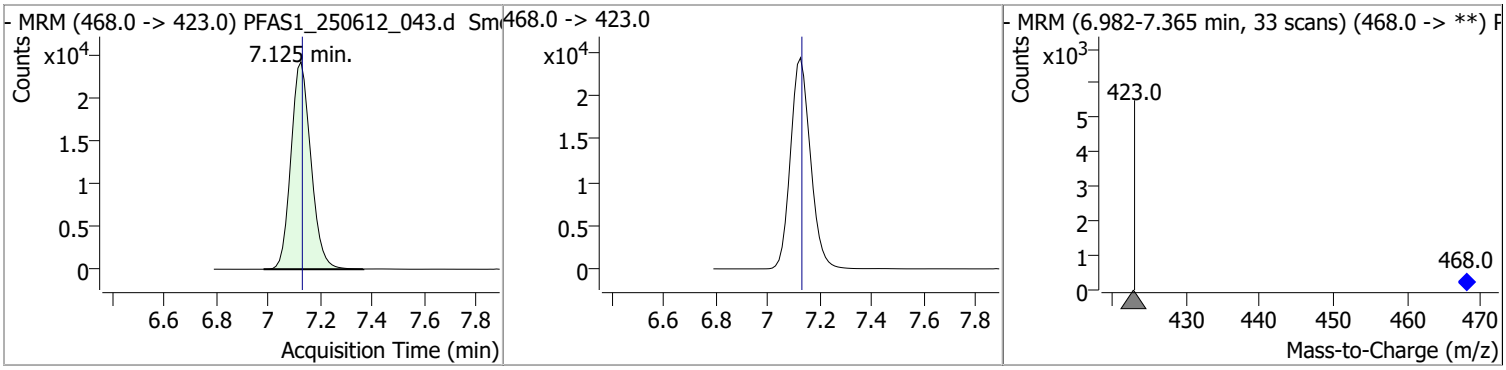
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0145	6.80	0.00	235	398.9 -> 99.0	66.9	34.6	64.2



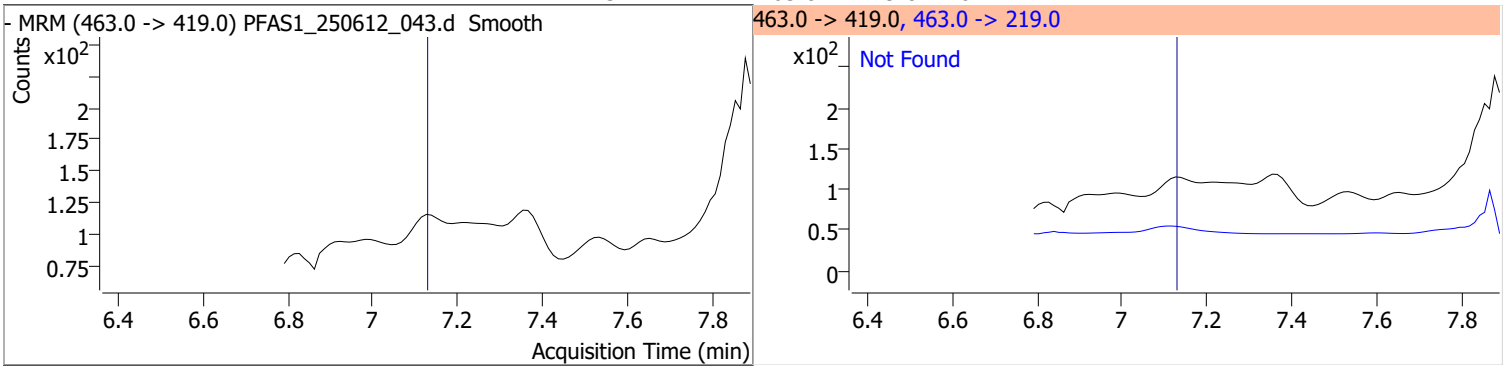
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2163	7.13	0.00	128440				



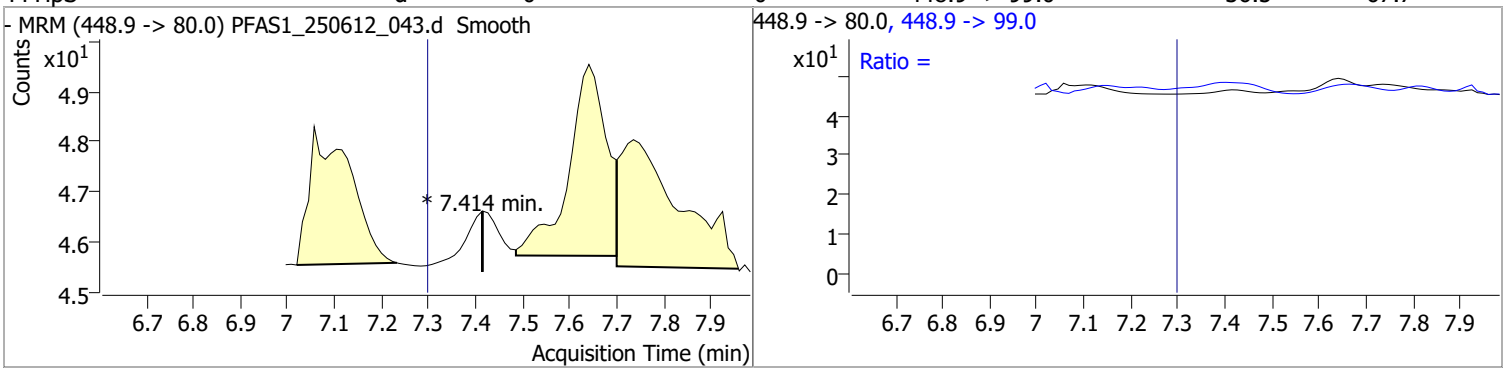
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128785				



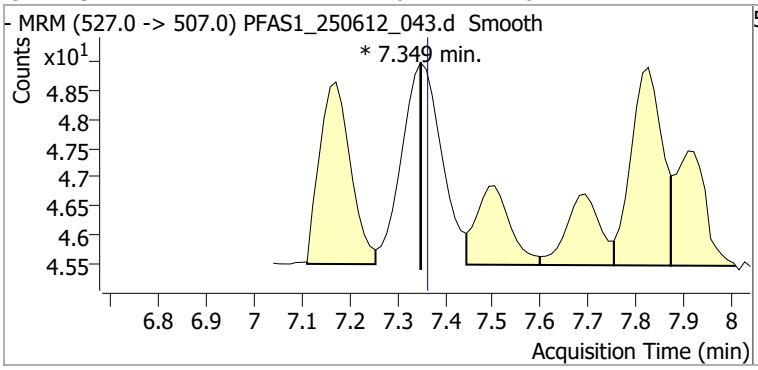
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	7.13	463.0 -> 219.0	16.1

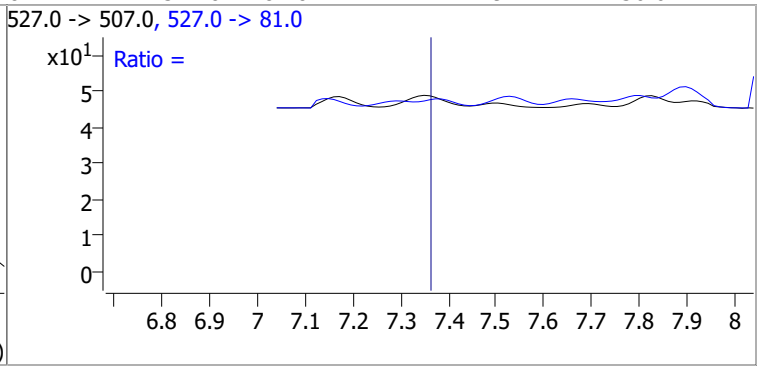


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

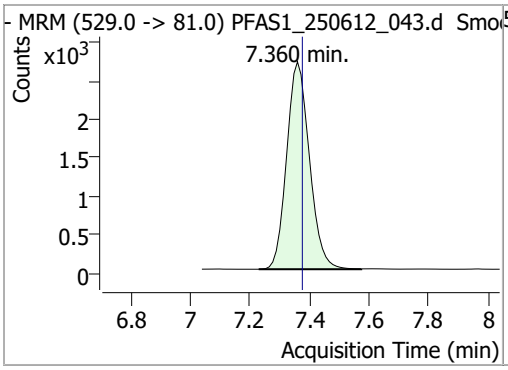


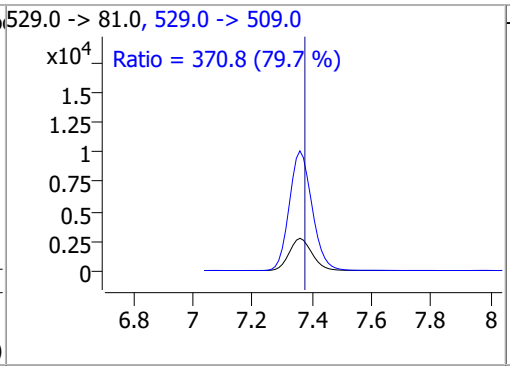
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

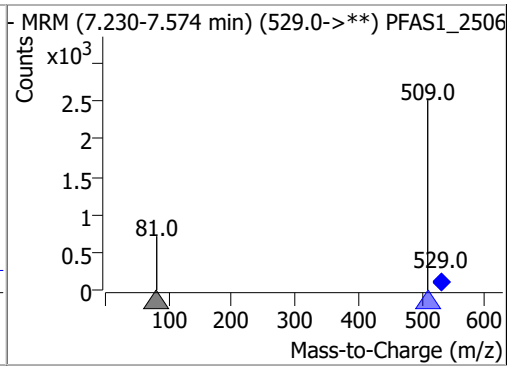




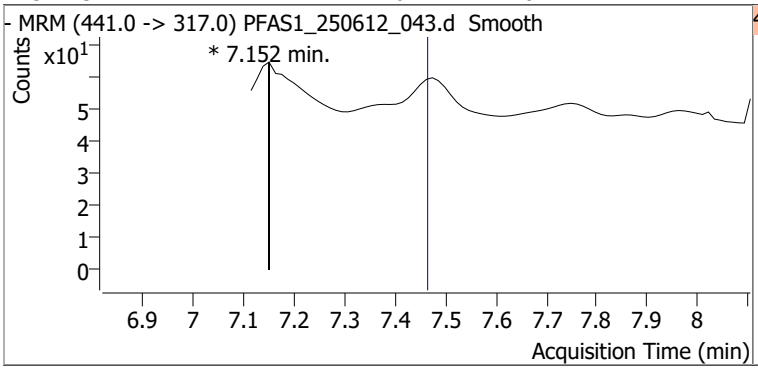
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.6599	7.36	-0.01	14314	529.0 -> 509.0	370.8	325.6	604.6

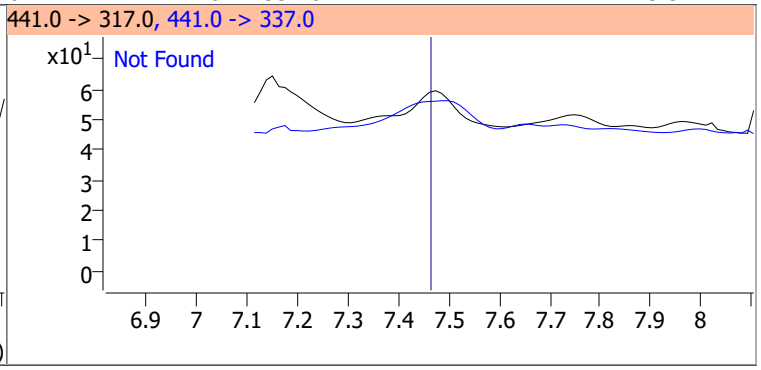




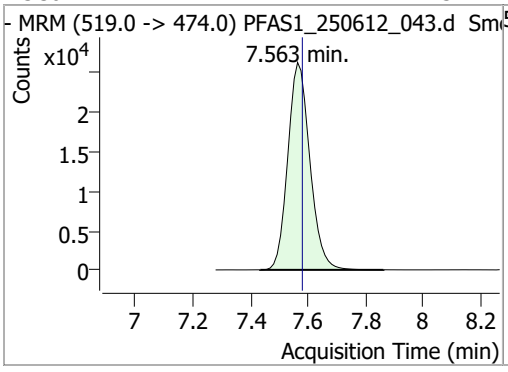


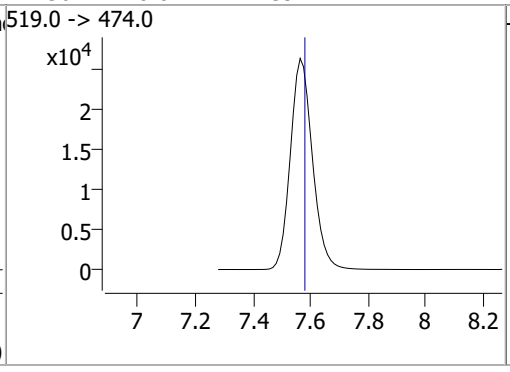
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

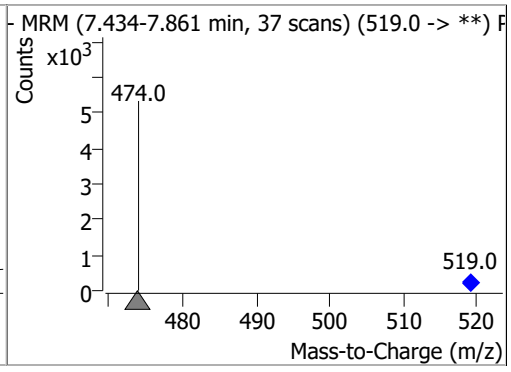




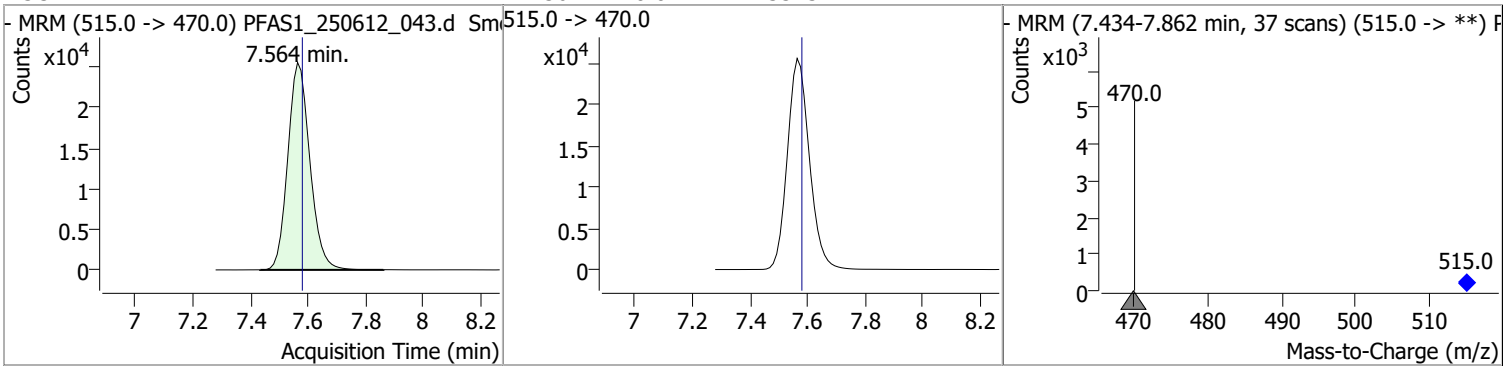
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2137	7.56	-0.01	139277				



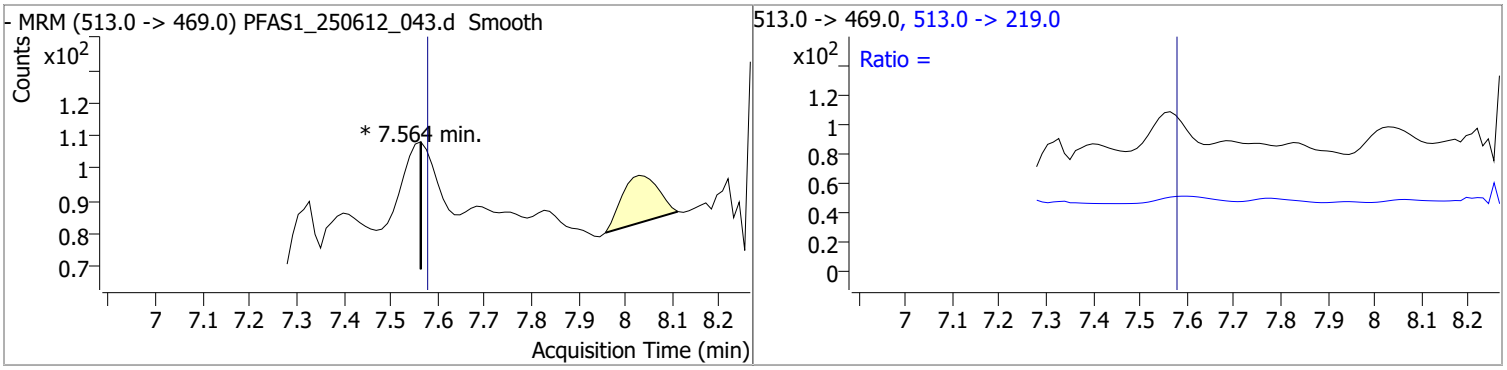




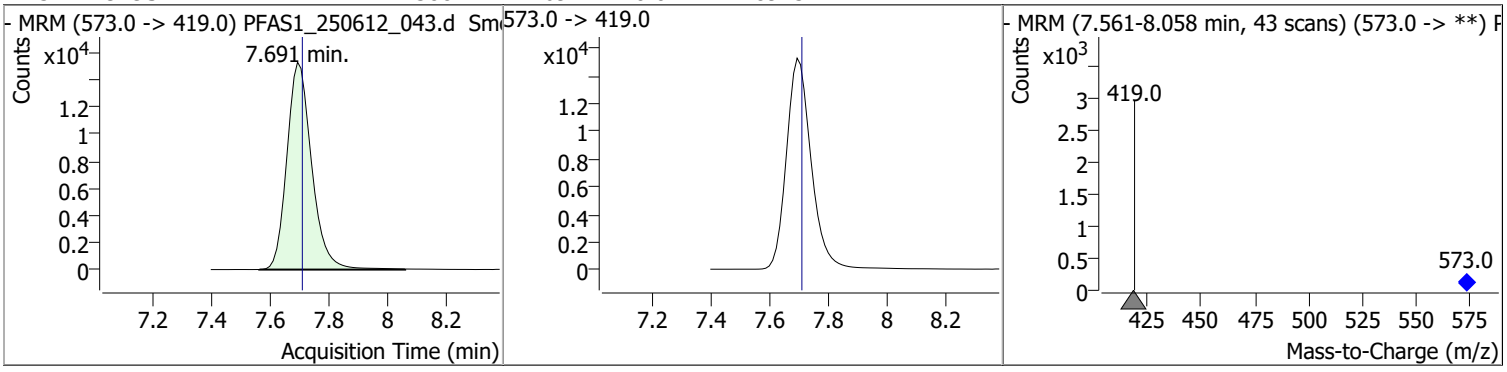
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	135132				



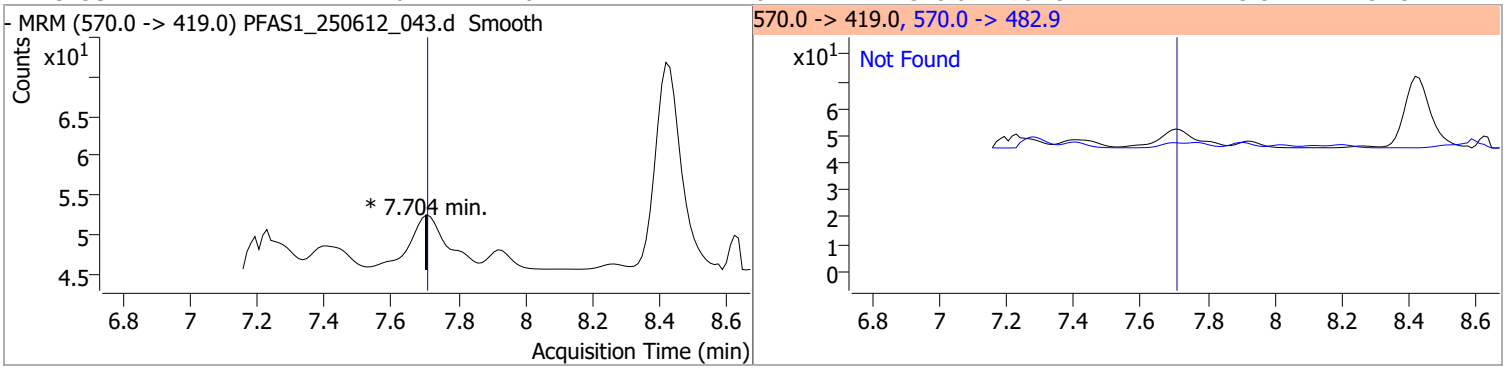
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



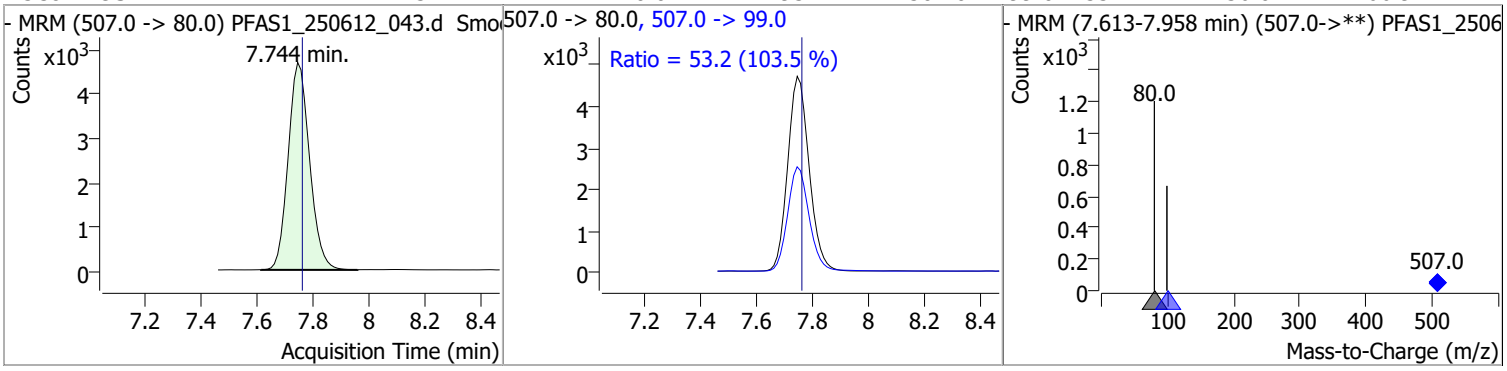
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.3881	7.69	-0.01	89151				



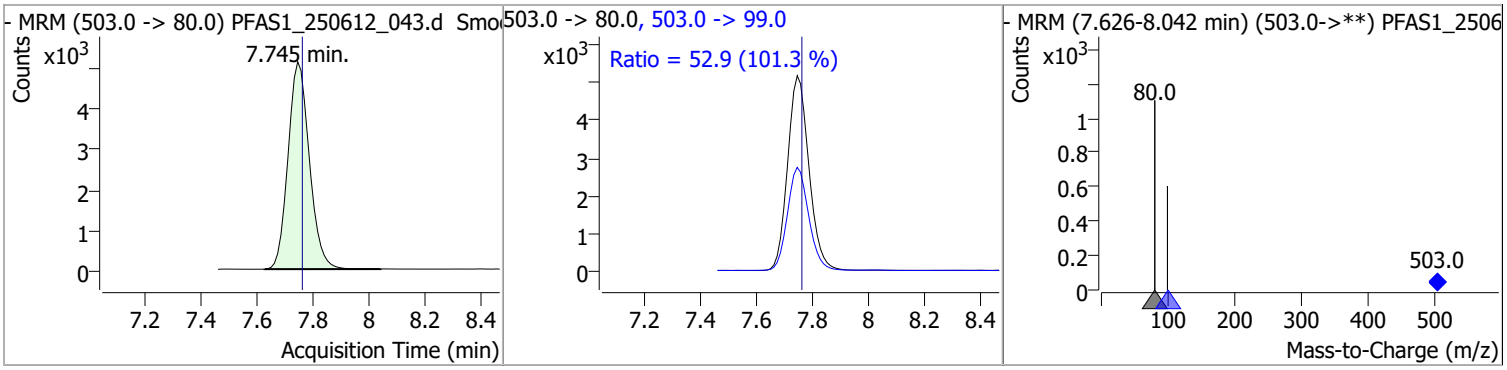
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



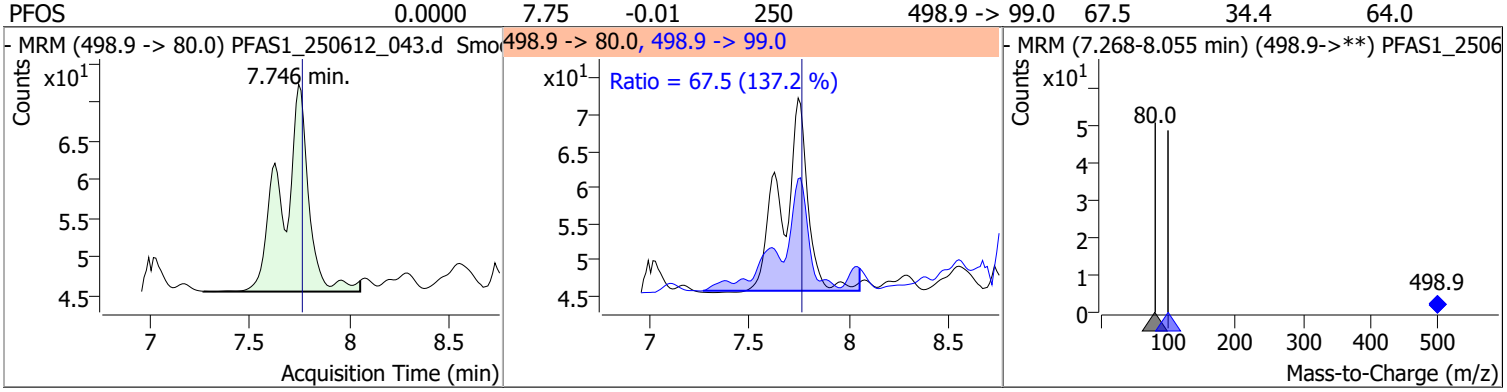
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3124	7.74	-0.01	24934	507.0 -> 99.0	53.2	36.0	66.9



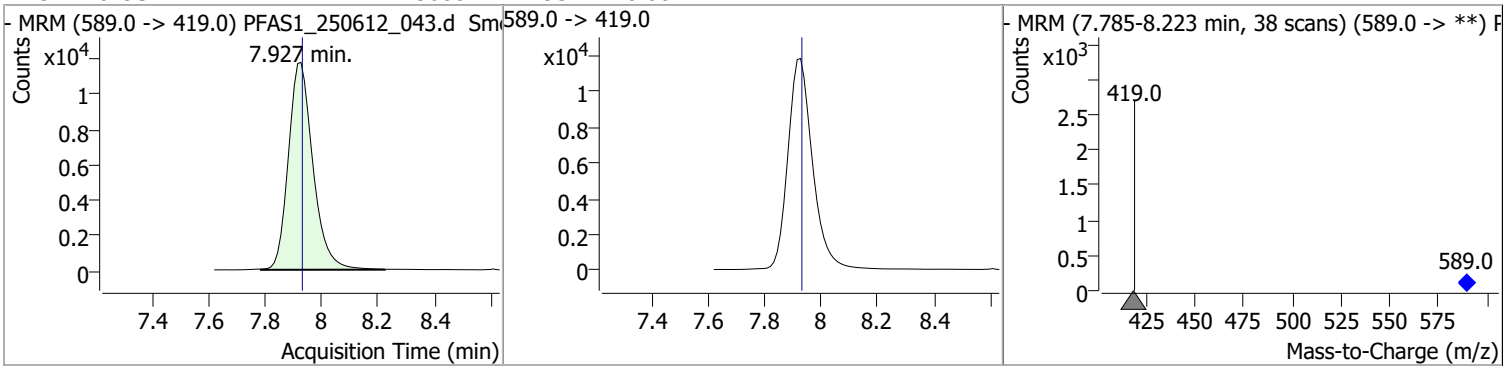
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	27209	503.0 -> 99.0	52.9	36.6	67.9



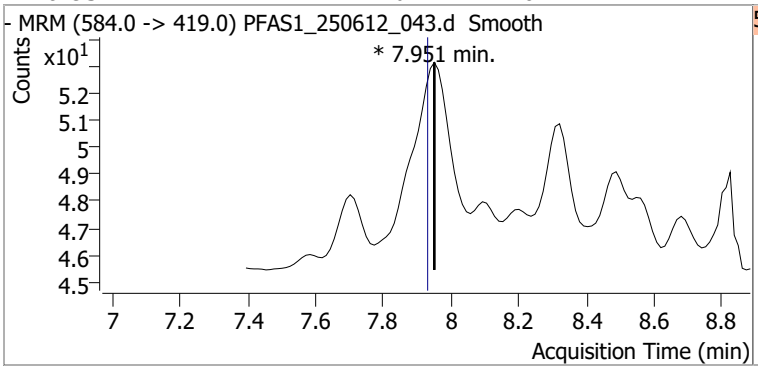
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	250	498.9 -> 99.0	67.5	34.4	64.0

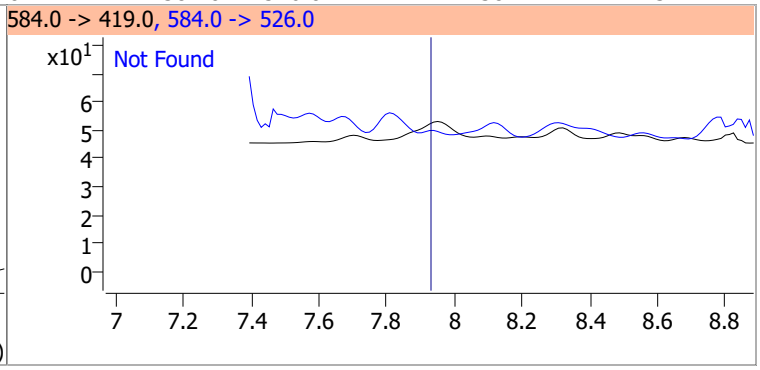


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.3688	7.93	0.00	71124				

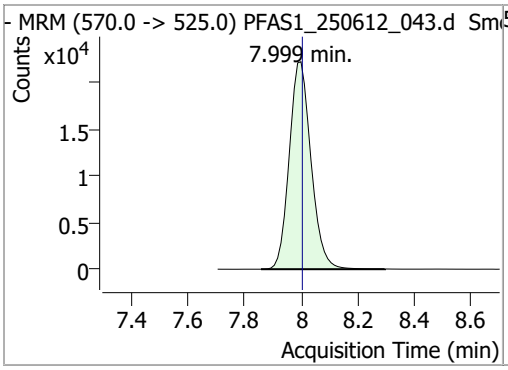


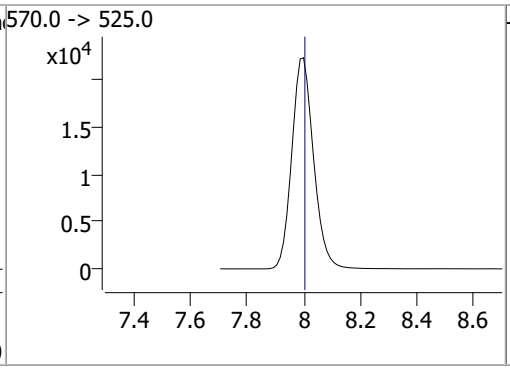
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

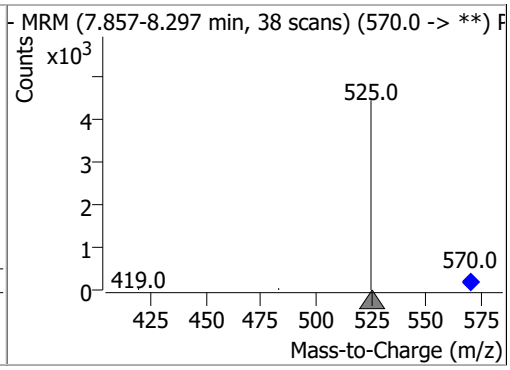




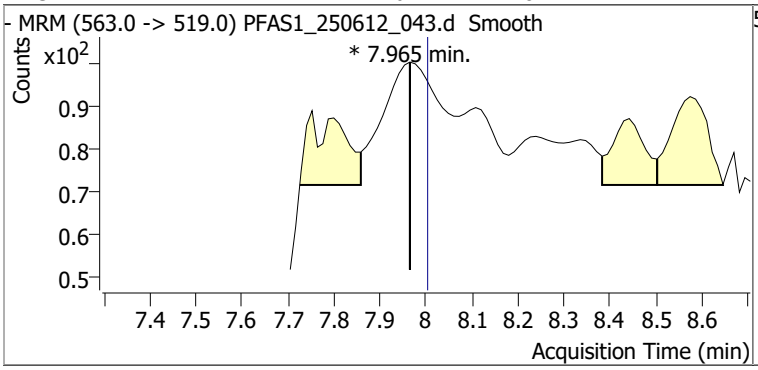
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1933	8.00	0.00	118898				

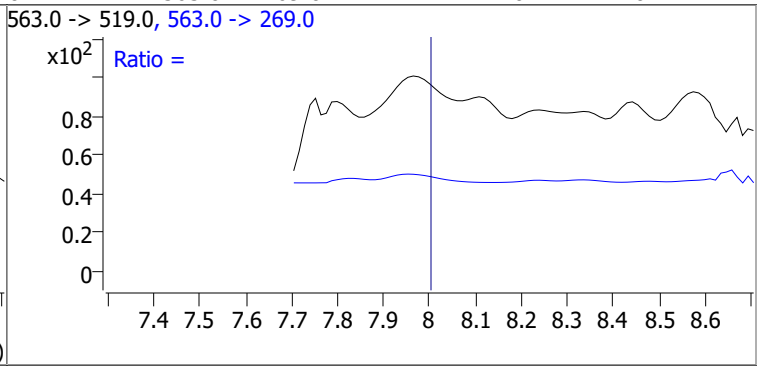




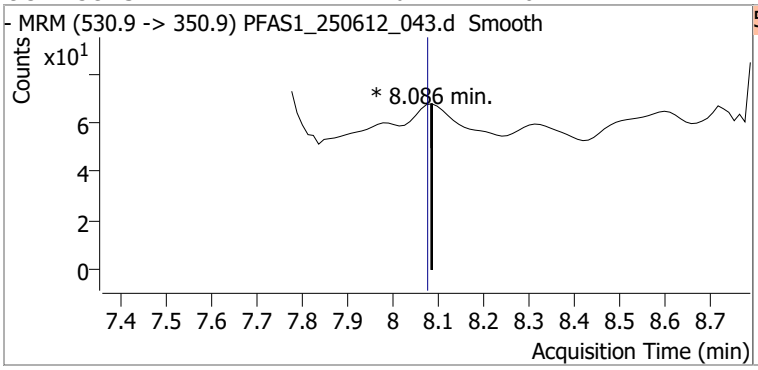


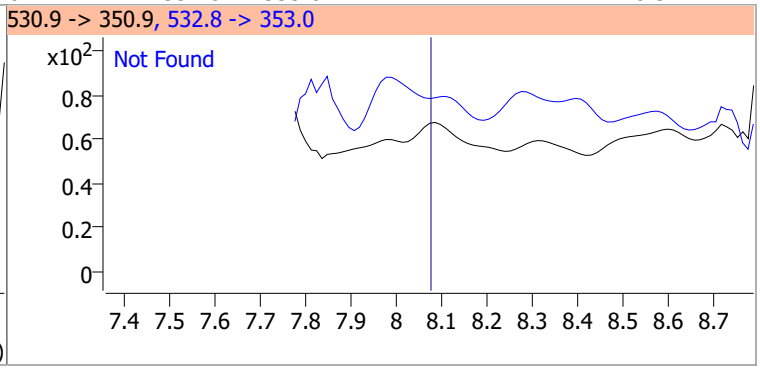
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



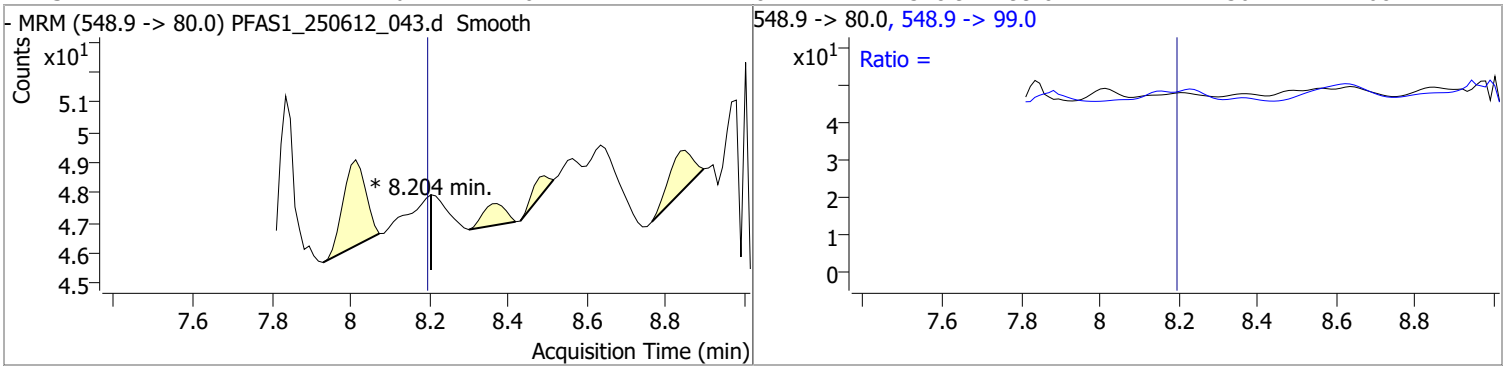


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

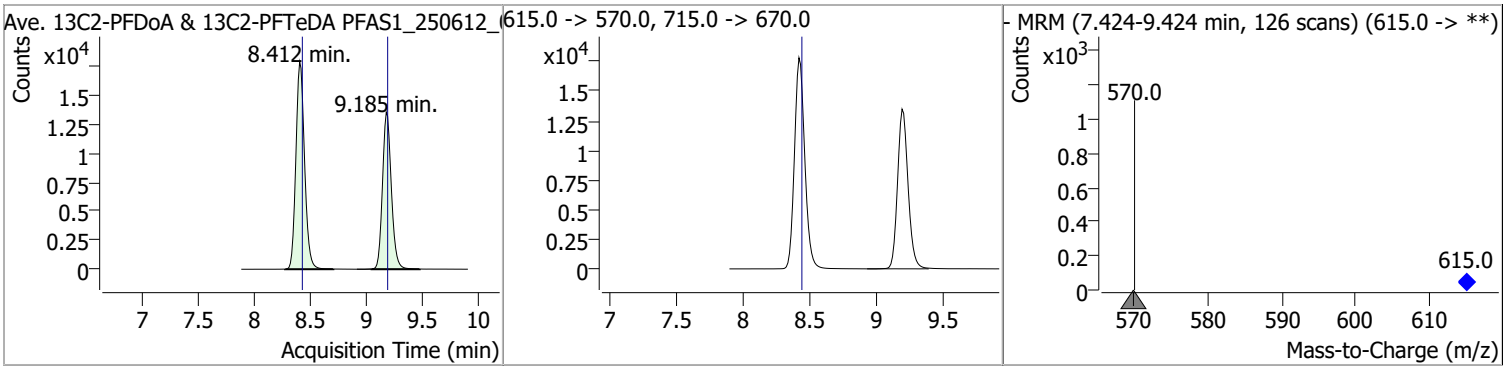




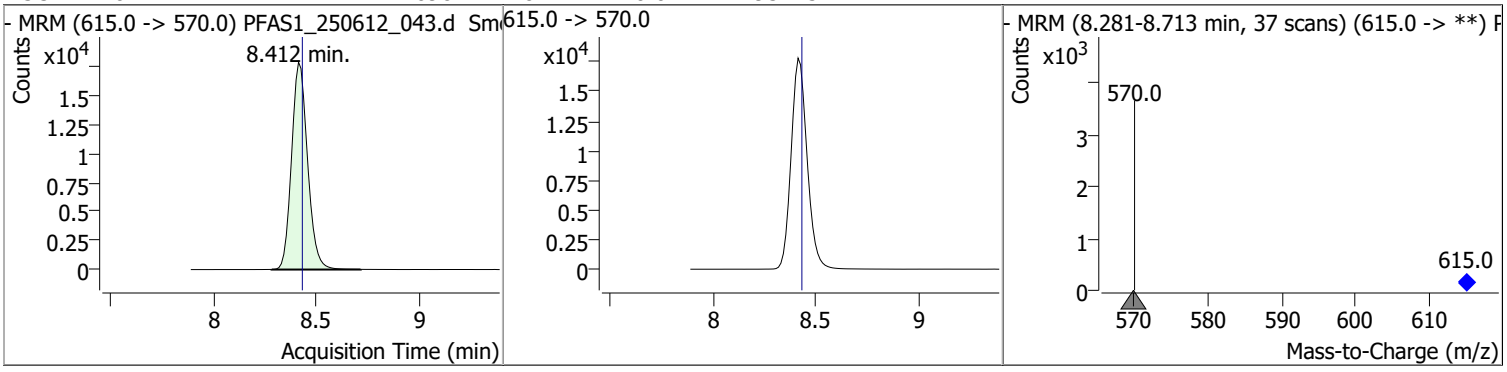
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



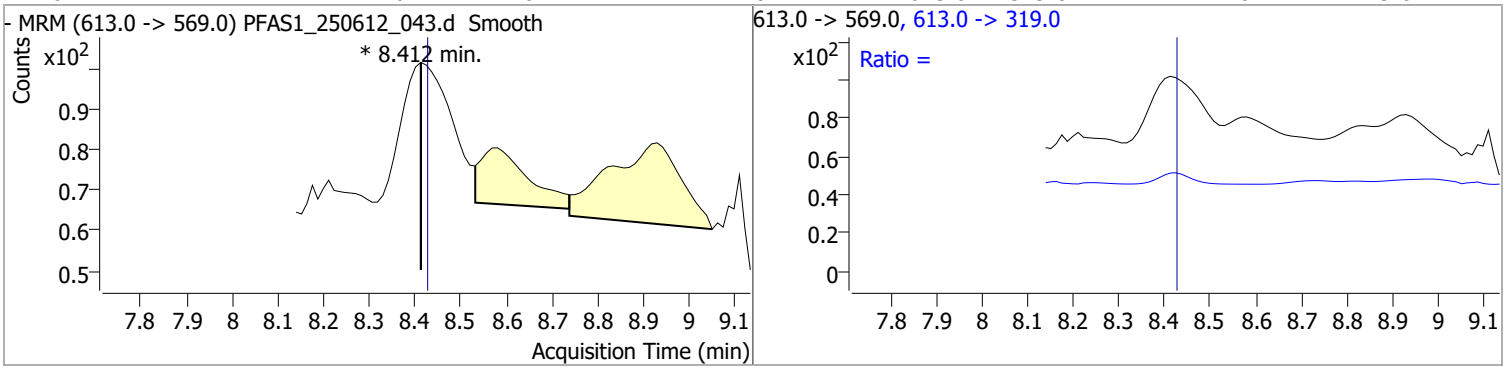
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9862	8.80	0.37	84421				



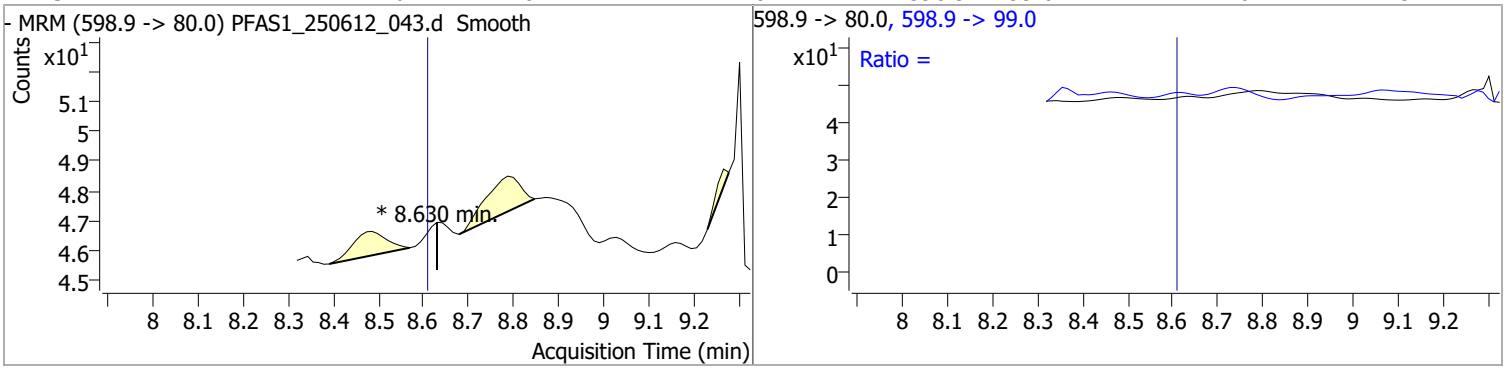
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0981	8.41	-0.01	95175				



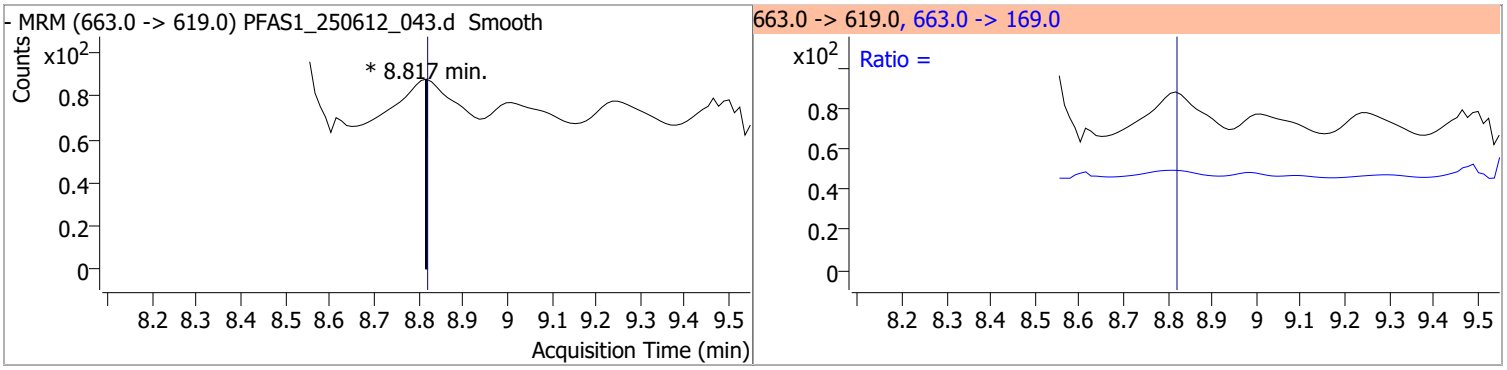
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



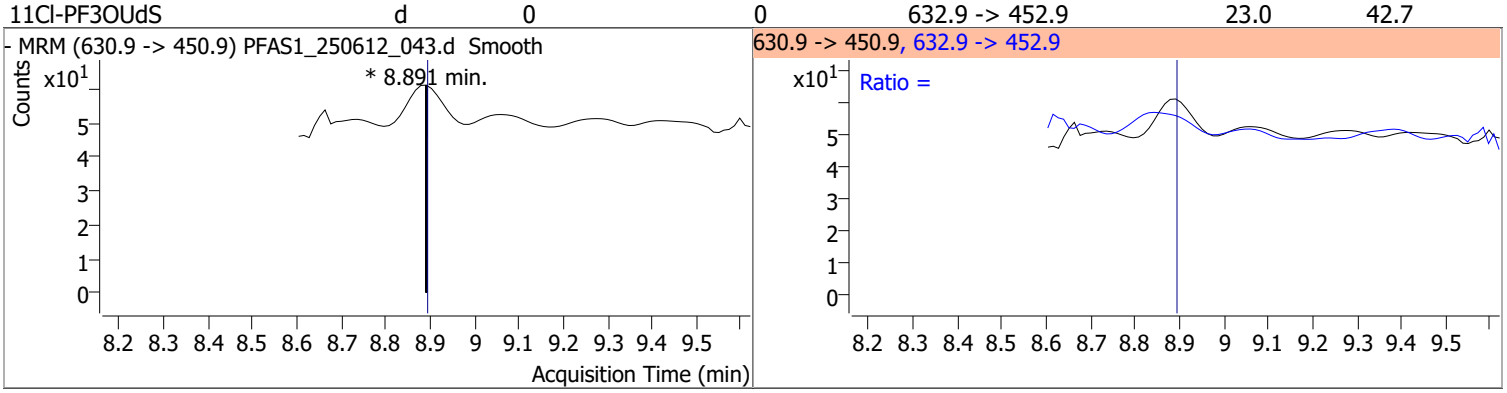
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



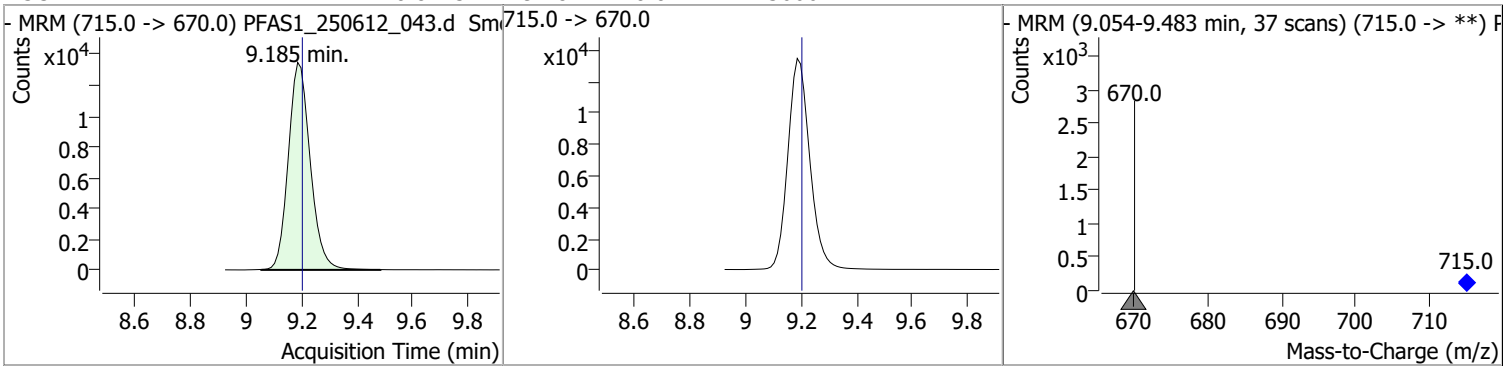
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



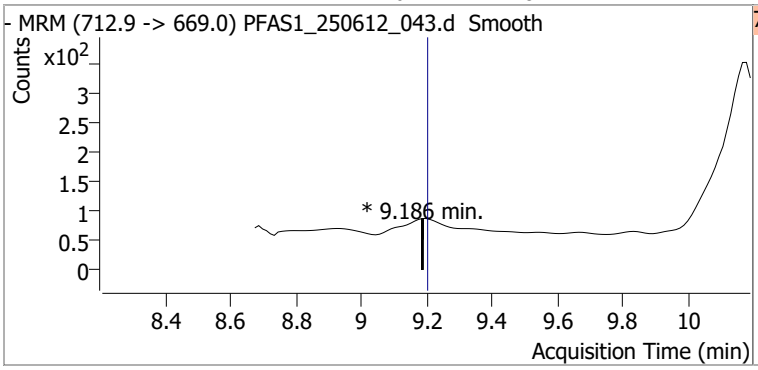
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

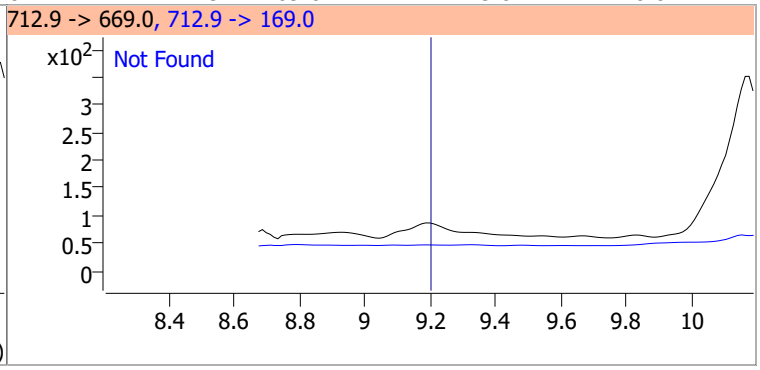


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8715	9.18	-0.01	73666				

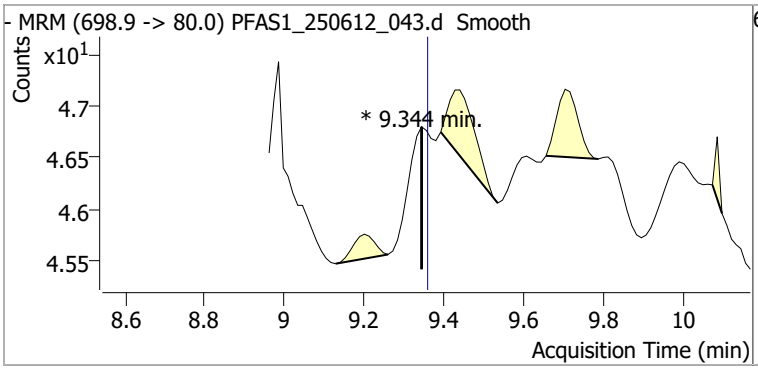


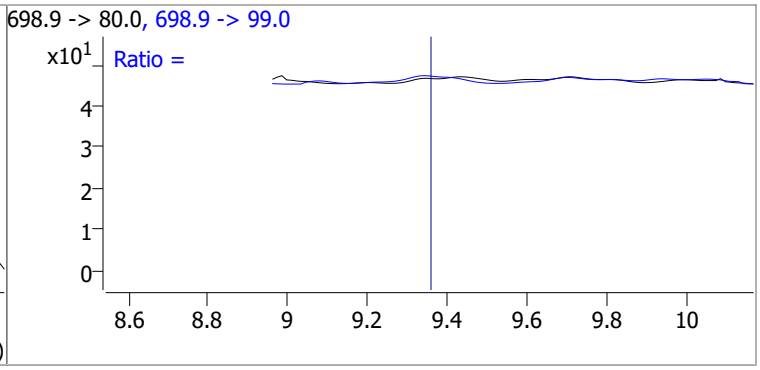
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



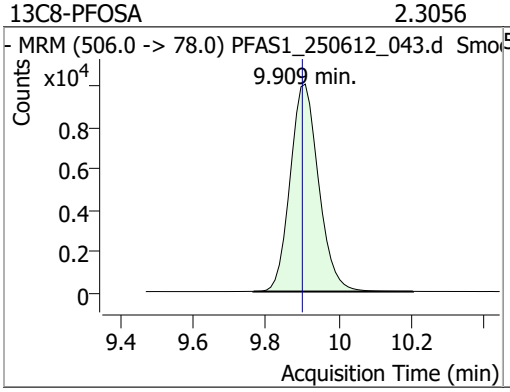


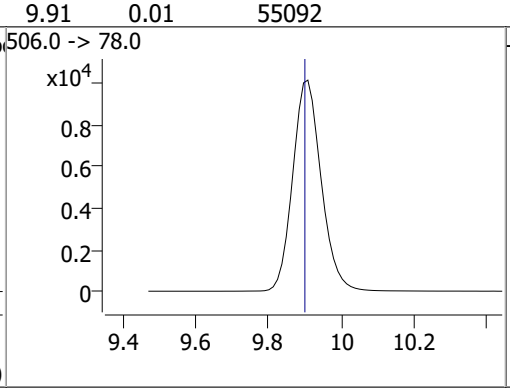
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

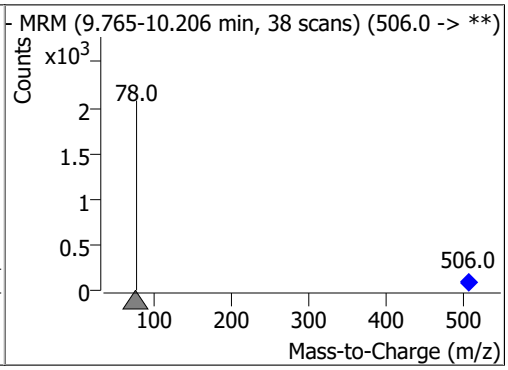




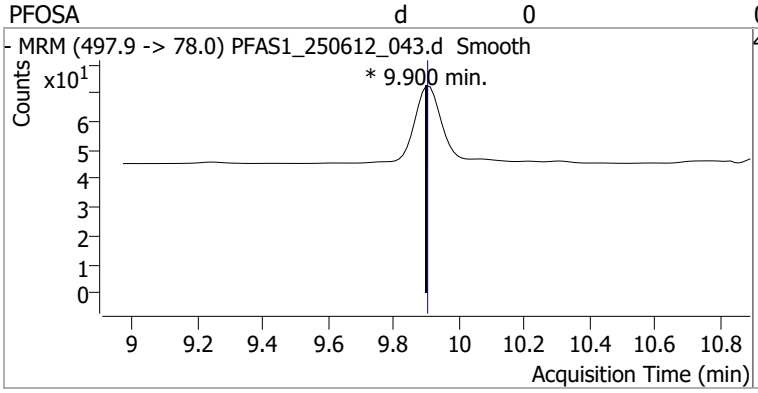
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3056	9.91	0.01	55092				

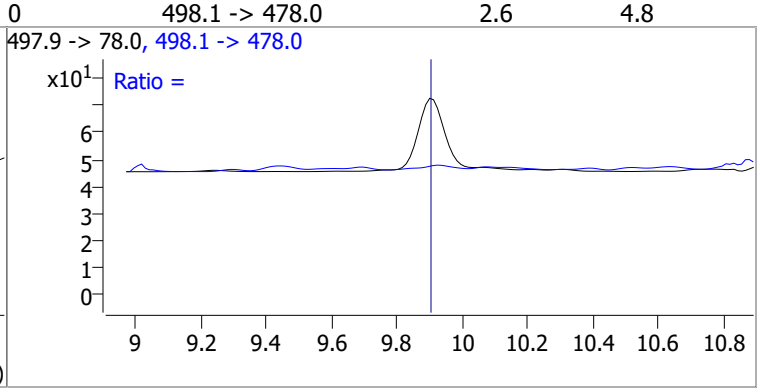




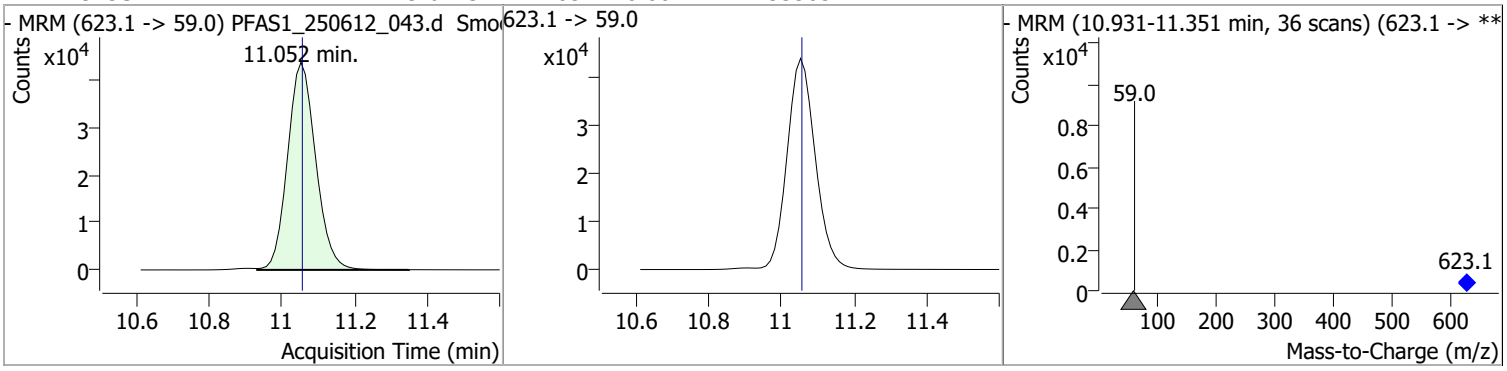


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

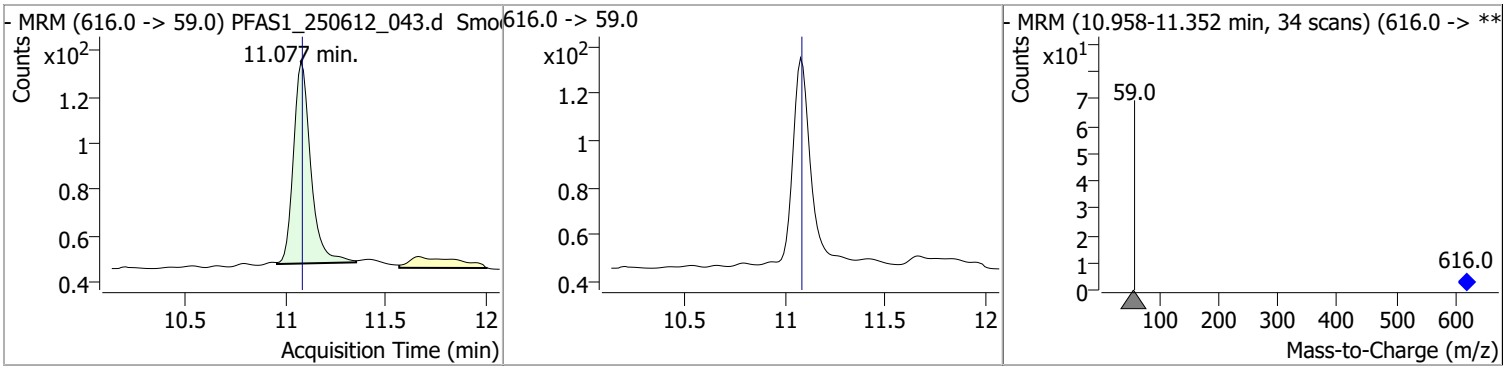




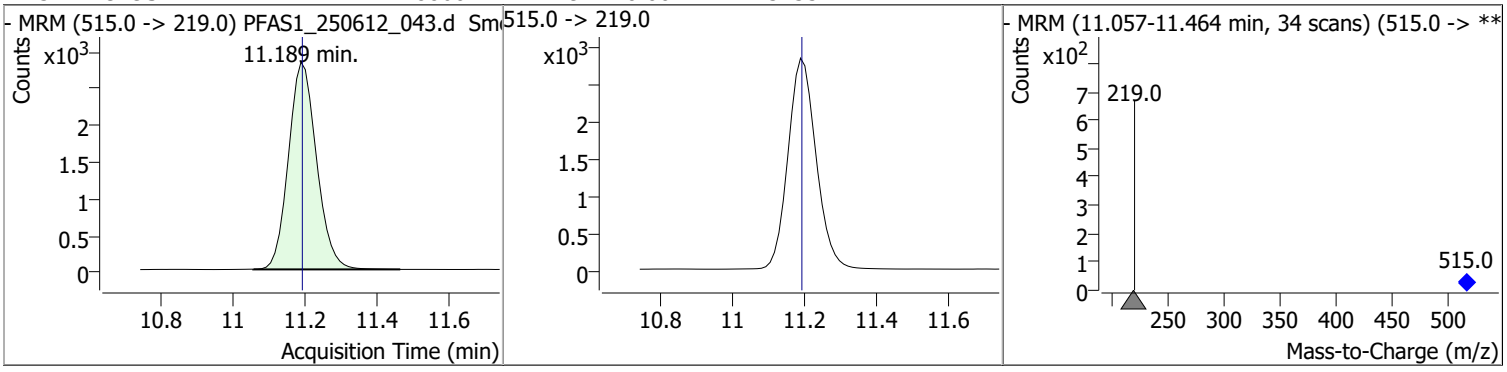
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.6713	11.05	0.00	235503				



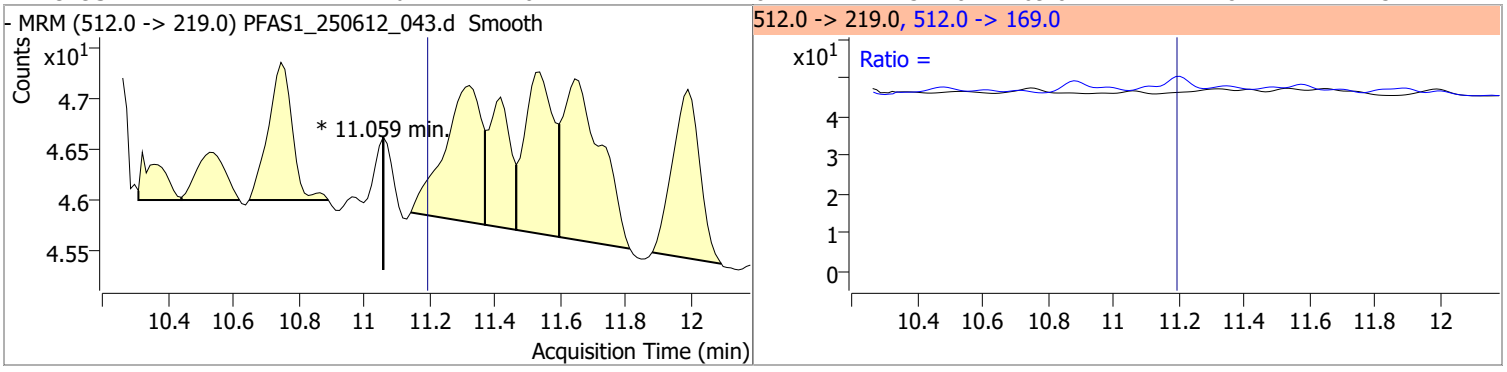
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.08	0.00	526				



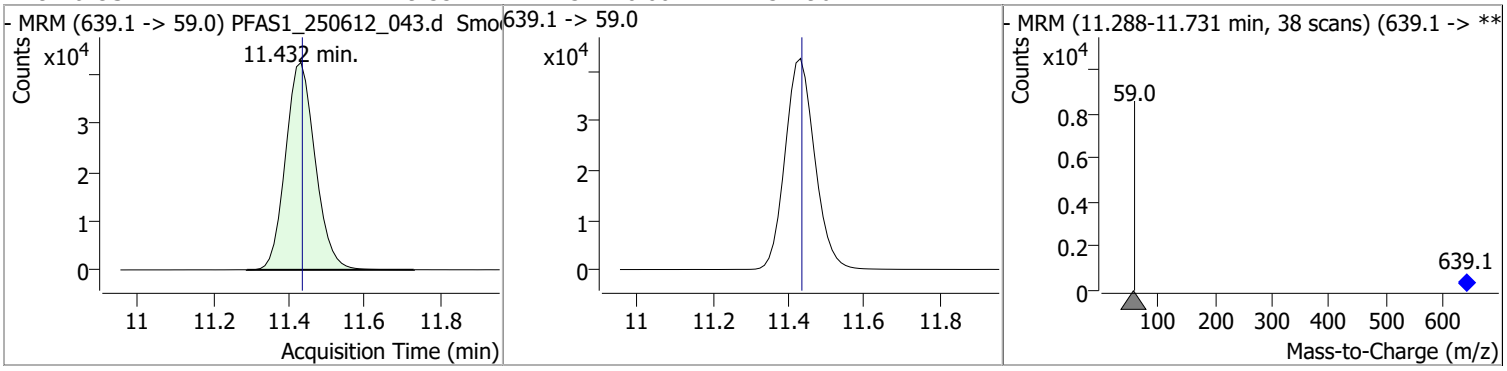
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.8860	11.19	0.00	15135				



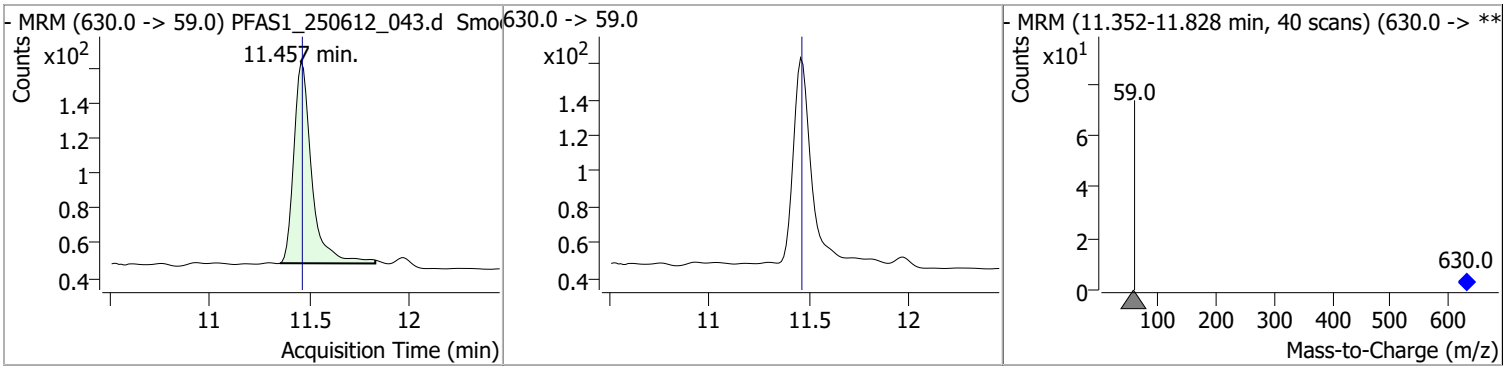
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



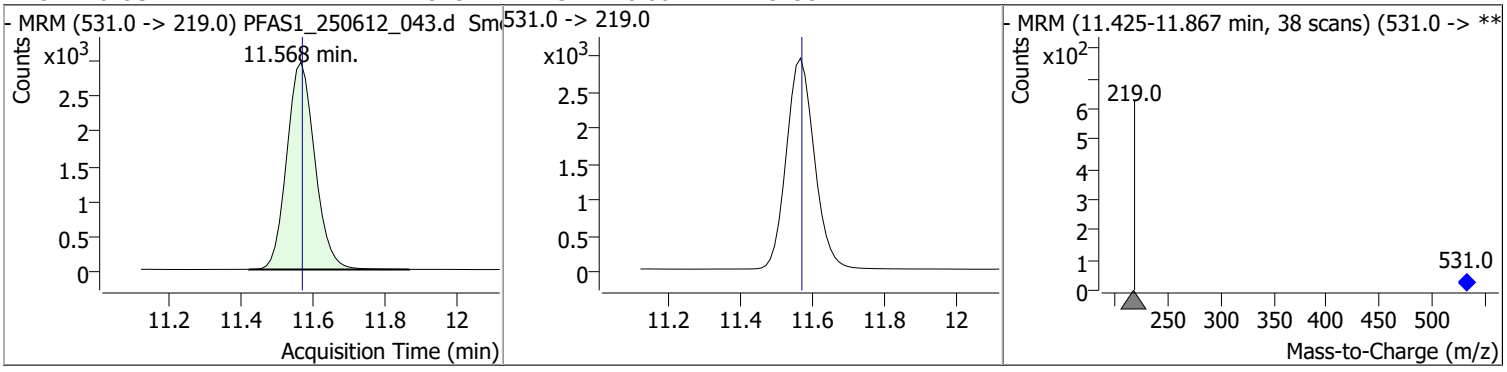
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.3547	11.43	0.00	231796				



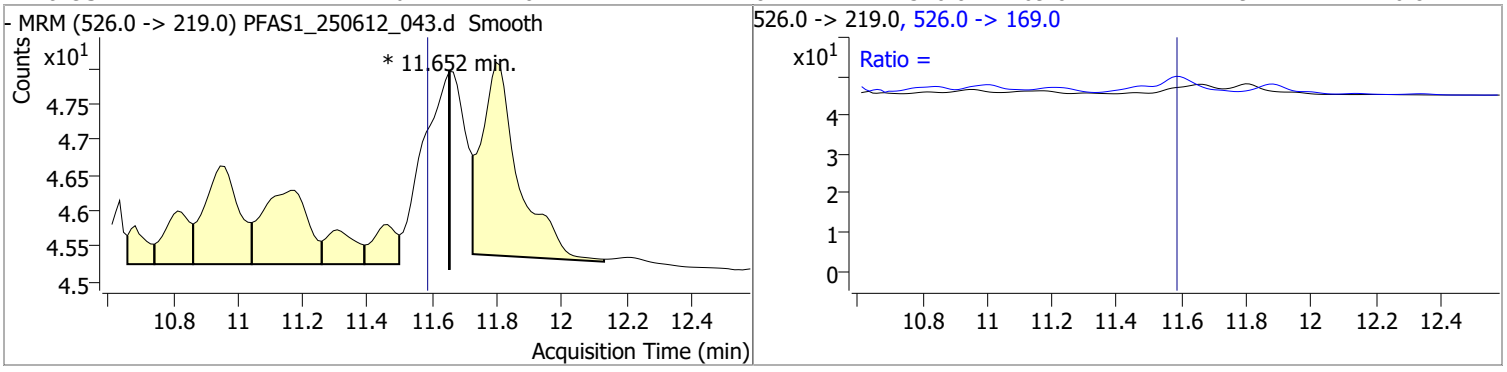
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	713				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.7913	11.57	0.00	15795				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_043.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 12:32:23 AM
Sample Name	O25F0365-04	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

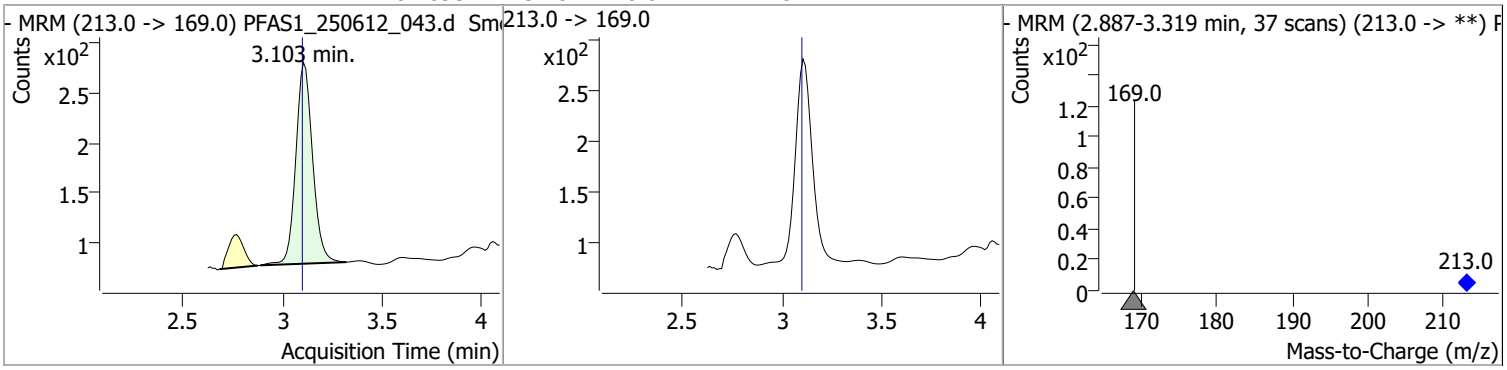
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	167154	5.0000	µg/L	5.675
13C2-PFHxA	5.479	315.0 -> 270.0	188211	2.5000	µg/L	5.337
18O2-PFHxS	6.796	403.0 -> 84.0	24158	2.5000	µg/L	2.799
13C4-PFOA	6.651	417.0 -> 172.0	21798	2.5000	µg/L	7.939
13C5-PFNA	7.125	468.0 -> 423.0	128785	1.2500	µg/L	7.609
13C2-PFDA	7.564	515.0 -> 470.0	135132	1.2500	µg/L	7.992
13C4-PFOS	7.745	503.0 -> 80.0	27209	2.5000	µg/L	8.987
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	226908	10.0000	µg/L	-37.832
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 58.80%		
13C4-PFBA	3.107	217.0 -> 172.0	226908	10.0000	µg/L	-37.832
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 58.80%		
13C5-PFPeA	4.594	268.0 -> 223.0	278551	5.0000	µg/L	3.257
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.06%		
13C5-PFPeA	4.594	268.0 -> 223.0	278551	5.0000	µg/L	3.257
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 98.06%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20390	5.0000	µg/L	26.528
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 123.72%		
13C5-PFHxA	5.478	318.0 -> 273.0	188377	2.5000	µg/L	2.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%		
13C5-PFHxA	5.478	318.0 -> 273.0	188377	2.5000	µg/L	2.379
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.18%		
13C3-PFBS	5.505	302.0 -> 80.0	43908	2.5000	µg/L	3.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.40%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	222247	10.0000	µg/L	0.169
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 95.06%		
13C4-PFHpA	6.142	367.0 -> 322.0	218465	2.5000	µg/L	2.470
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.23%		
13C3-PFHxS	6.797	402.0 -> 80.0	26869	2.5000	µg/L	-0.416
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.92%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	13474	5.0000	µg/L	19.482
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.68%		
13C8-PFOA	6.650	421.0 -> 376.0	233295	2.5000	µg/L	3.275
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	26869	2.5000	µg/L	-0.416
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.92%		
13C9-PFNA	7.125	472.0 -> 427.0	128440	1.2500	µg/L	4.677
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.30%		
13C8-PFOS	7.744	507.0 -> 80.0	24934	2.5000	µg/L	0.769
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14314	5.0000	µg/L	16.295
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.20%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14314	5.0000	µg/L	16.295
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.20%		
13C6-PFDA	7.563	519.0 -> 474.0	139277	1.2500	µg/L	4.795

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.10%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	89151	5.0000	µg/L		-4.078
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.76%			
13C8-PFOS	7.744	507.0 -> 80.0	24934	2.5000	µg/L		0.769
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.50%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71124	5.0000	µg/L		-4.583
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 87.38%			
13C7-PFUnDA	7.999	570.0 -> 525.0	118898	1.2500	µg/L		3.064
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.47%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	84421	1.2500	µg/L		-14.729
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 78.90%			
13C2-PFDoDA	8.412	615.0 -> 570.0	95175	1.2500	µg/L		-5.062
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 87.85%			
13C2-PFTDA	9.185	715.0 -> 670.0	73666	1.2500	µg/L		-24.643
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 69.72%			
13C8-PFOSA	9.909	506.0 -> 78.0	55092	2.5000	µg/L		0.727
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.22%			
2H7-MeFOSE	11.052	623.1 -> 59.0	235503	25.0000	µg/L		-14.272
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 78.69%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	15135	2.5000	µg/L		-17.537
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 75.44%			
2H9-EtFOSE	11.432	639.1 -> 59.0	231796	25.0000	µg/L		-15.641
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 77.42%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	15795	2.5000	µg/L		-21.796
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 71.65%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	1182	0.1093	µg/L		100
PFMPA	3.794	229.0 -> 85.0	19	0.0375	µg/L		100
3-3 FTCA	4.006	241.0 -> 177.0	7	0.0433	µg/L		21
PFPeA	4.596	263.0 -> 219.0	2852	0.0821	µg/L	#	100
PFMBA	4.868	279.0 -> 85.0	6	0.0433	µg/L		100
4-2 FTSA	5.251	327.0 -> 307.0	25	0.0070	µg/L	#	41
NFDHA	5.402	295.0 -> 201.0	23	0.0000	µg/L	#	84
PFHxA	5.492	313.0 -> 269.0	2308	0.0370	µg/L		99
PFBS	5.507	298.9 -> 80.0	1379	0.0651	µg/L		99
HFPO-DA	5.748	285.0 -> 169.0	78	0.0124	µg/L		83
PFEESA	5.896	314.9 -> 135.0	20	0.0000	µg/L		80
5-3 FTCA	6.132	341.0 -> 237.0	41	0.6570	µg/L	#	60
PFHpA	6.142	363.0 -> 319.0	710	0.0271	µg/L		99
PFPeS	6.229	348.9 -> 80.0	157	0.0264	µg/L		97
DONA	0.000		0	N.D.			
6-2 FTSA	6.448	427.0 -> 407.0	60	0.0000	µg/L	#	40
PFOA	6.651	413.0 -> 369.0	1437	0.0257	µg/L		91
PFHxS	6.798	398.9 -> 80.0	235	0.0145	µg/L	#	74
PFNA	0.000		0	N.D.			
PFHpS	7.414	448.9 -> 80.0	4	0.0000	µg/L	#	1
8-2 FTSA	7.349	527.0 -> 507.0	20	0.0168	µg/L	#	35
7-3 FTCA	7.152	441.0 -> 317.0	48	0.6634	µg/L		1
PFDA	7.564	513.0 -> 469.0	101	0.0181	µg/L	#	76
N-MeFOSAA	7.704	570.0 -> 419.0	72	0.0017	µg/L		33
PFOS	7.746	498.9 -> 80.0	250	0.0000	µg/L	#	73
N-EtFOSAA	7.951	584.0 -> 419.0	82	0.0158	µg/L		24
PFUnDA	7.965	563.0 -> 519.0	471	0.0160	µg/L	#	83
9Cl-PF3ONS	8.086	530.9 -> 350.9	39	0.0014	µg/L		44

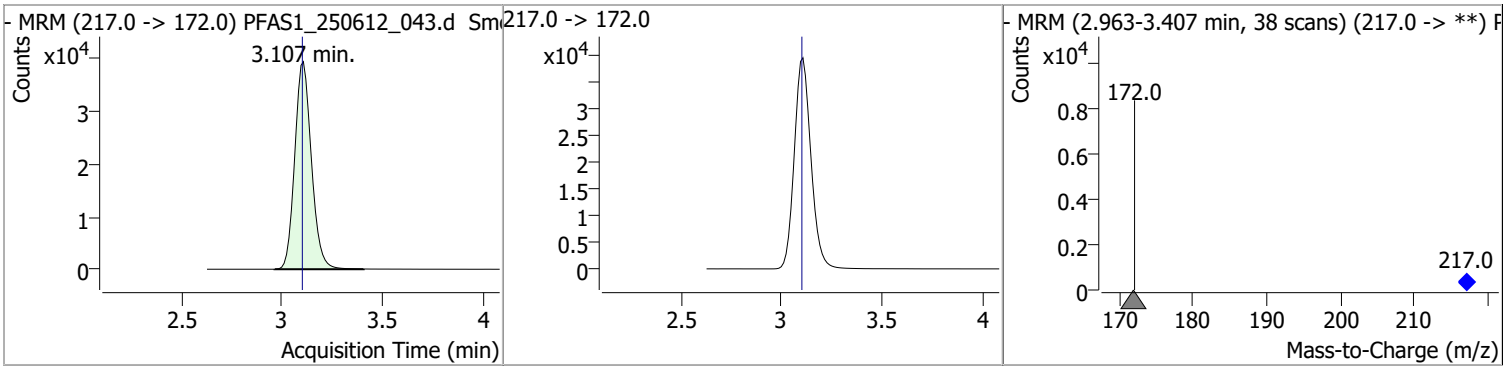
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.204	548.9 -> 80.0	8	0.0000	µg/L		97
PFDoDA	8.412	613.0 -> 569.0	253	0.0086	µg/L	#	87
PFDS	8.630	598.9 -> 80.0	3	0.0162	µg/L	#	1
PFTrDA	8.817	663.0 -> 619.0	134	0.0173	µg/L	#	87
11Cl-PF3OUdS	8.891	630.9 -> 450.9	54	0.0113	µg/L	#	1
PFTDA	9.186	712.9 -> 669.0	207	0.0181	µg/L		77
PFDoS	9.344	698.9 -> 80.0	3	0.0198	µg/L	#	1
PFOSA	9.900	497.9 -> 78.0	166	0.0129	µg/L	#	95
MeFOSE	11.077	616.0 -> 59.0	526	0.0000	µg/L		100
N-MeFOSA	11.059	512.0 -> 219.0	2	0.0020	µg/L		1
EtFOSE	11.457	630.0 -> 59.0	713	0.0000	µg/L		100
N-EtFOSA	11.652	526.0 -> 219.0	24	0.0229	µg/L	#	1

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

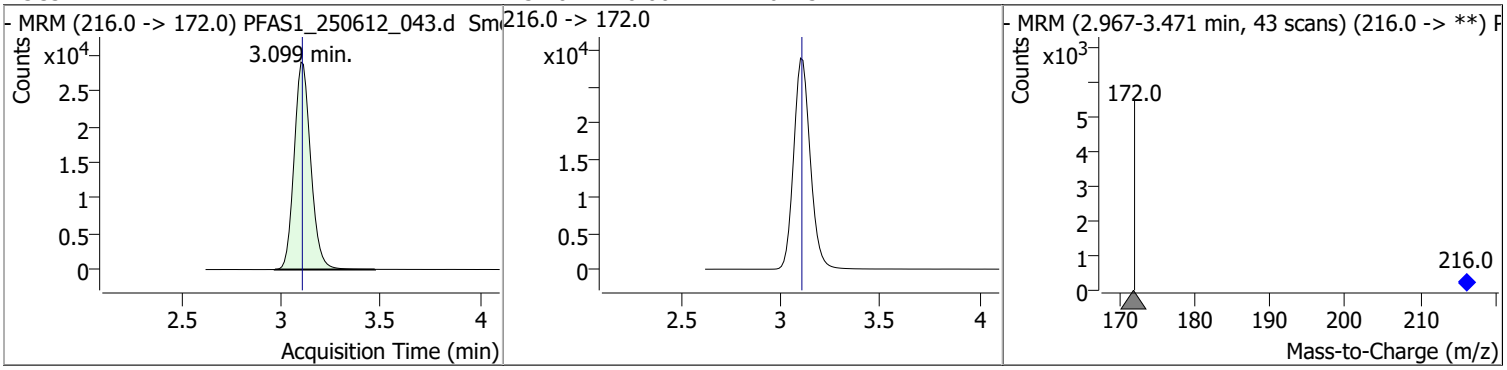
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.1093	3.10	0.01	1182				



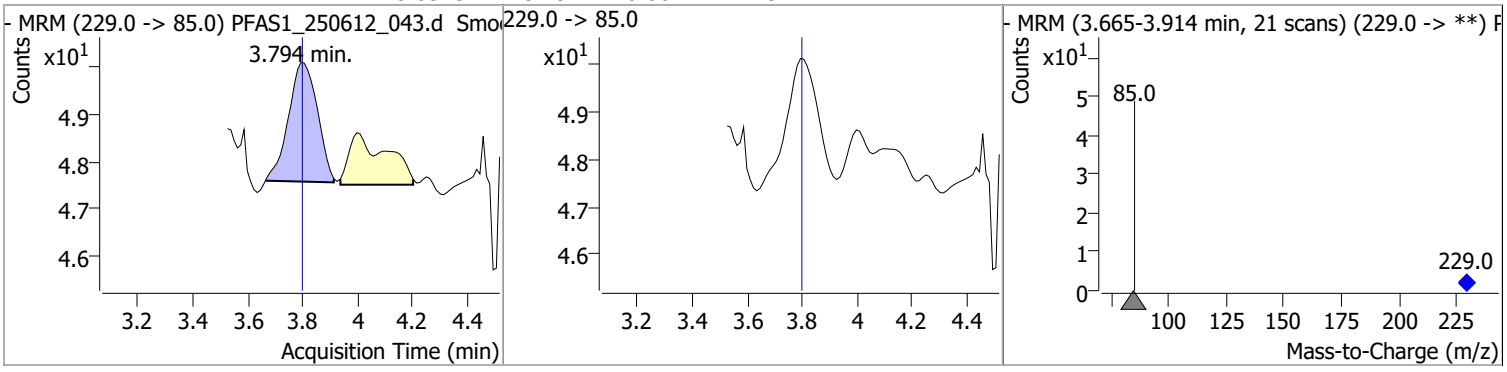
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	5.8795	3.11	0.01	226908				



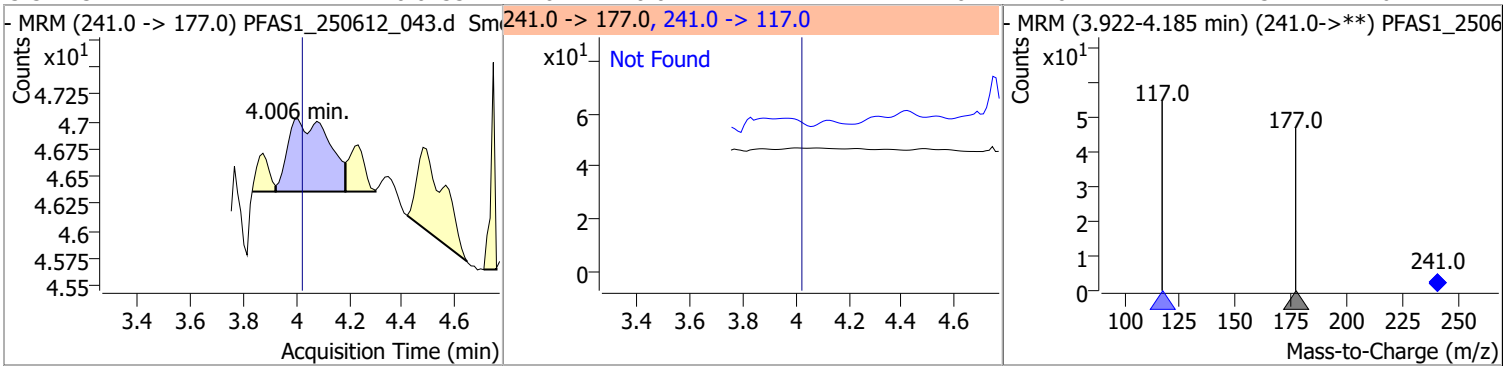
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	167154				



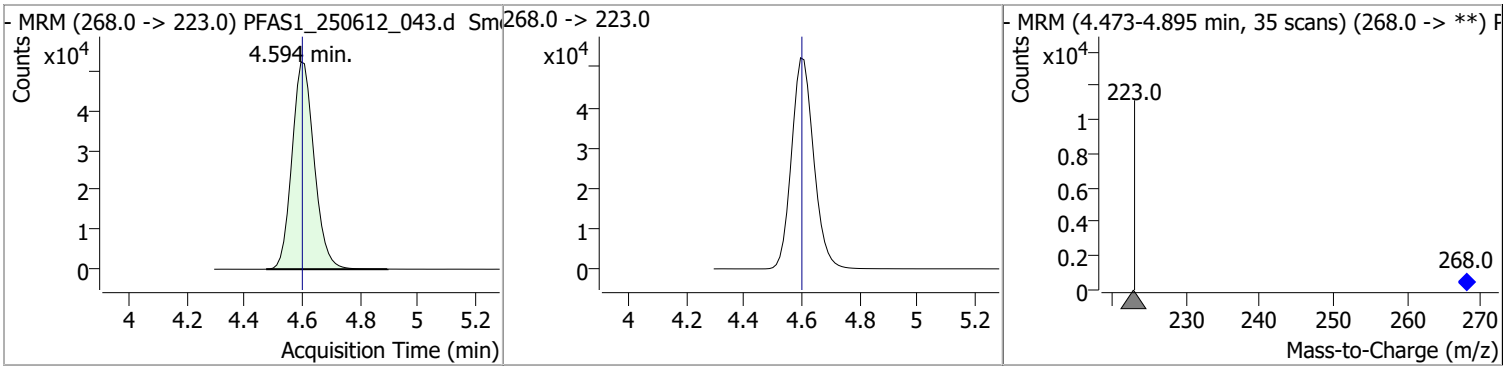
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0375	3.79	0.00	19				



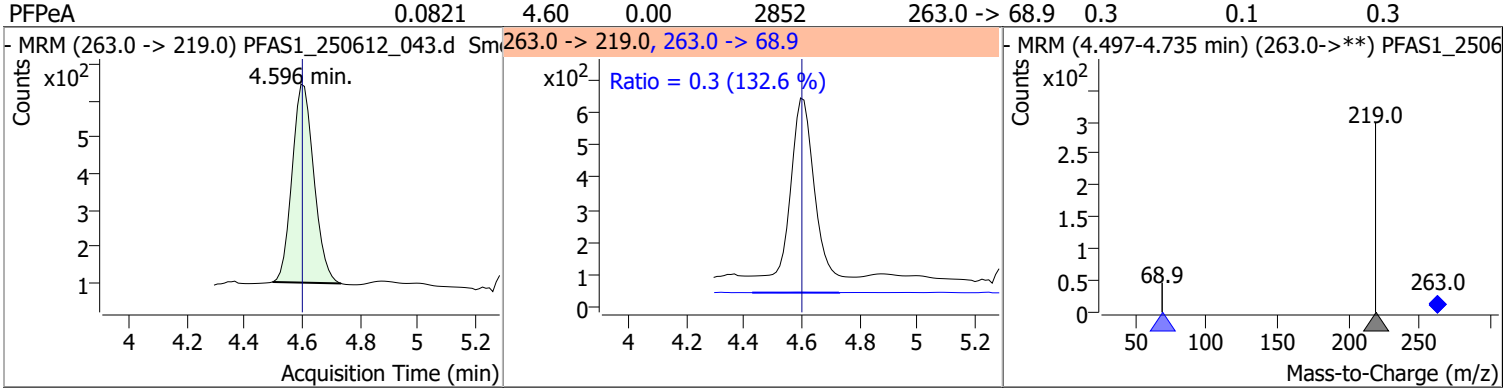
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0433	4.01	-0.01	7	241.0 -> 117.0		41.3	76.7



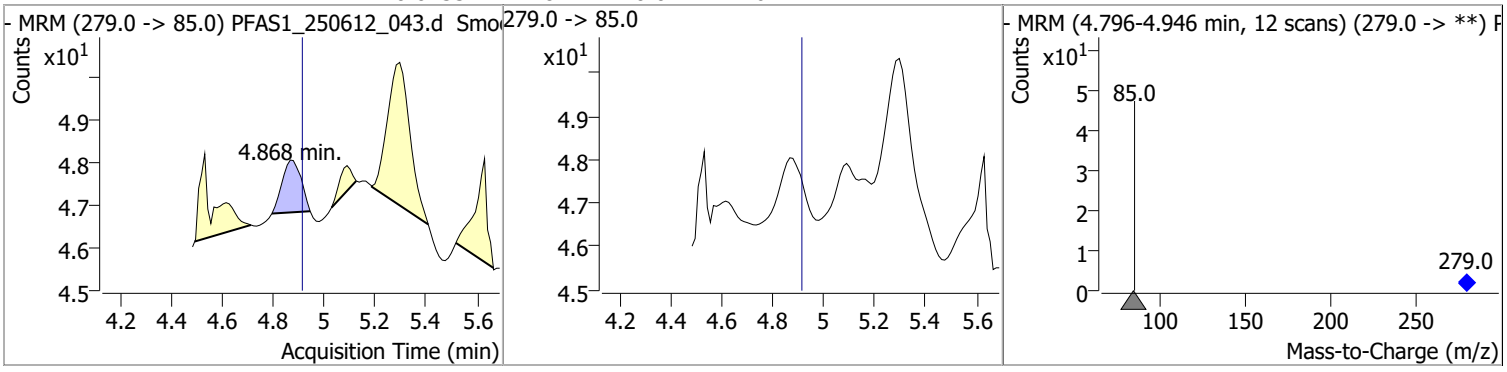
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9029	4.59	0.00	278551				



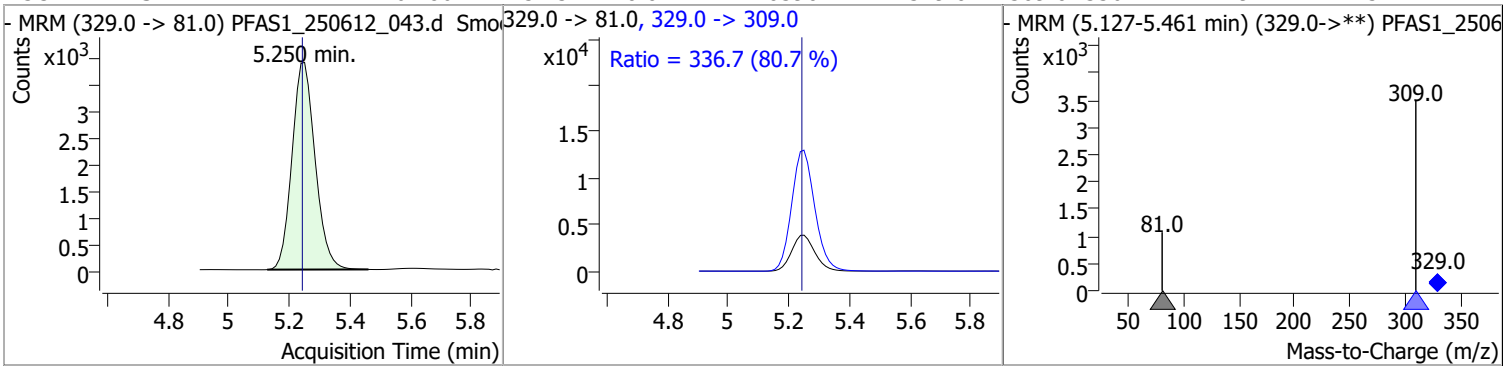
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0821	4.60	0.00	2852	263.0 -> 68.9	0.3	0.1	0.3



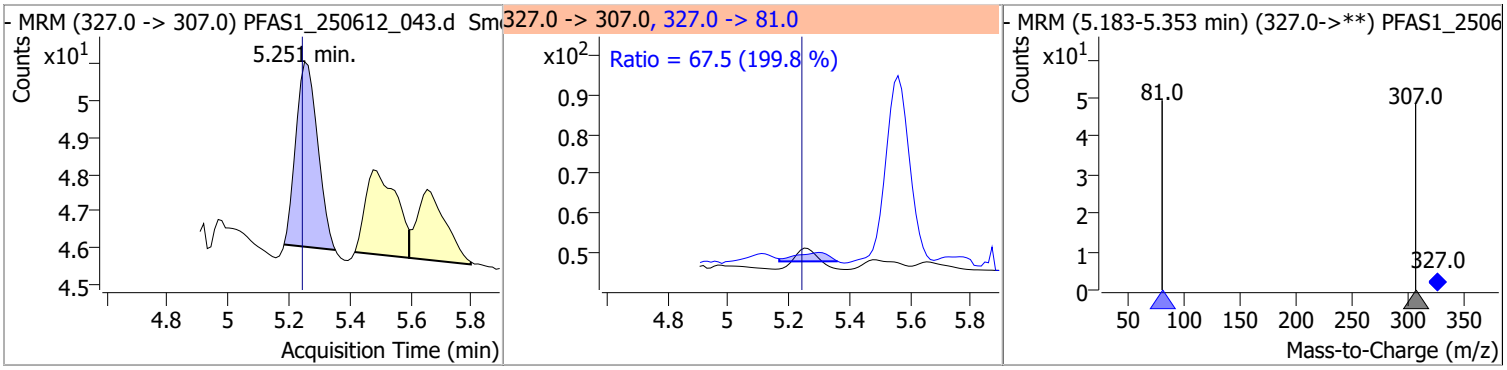
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0433	4.87	-0.04	6				



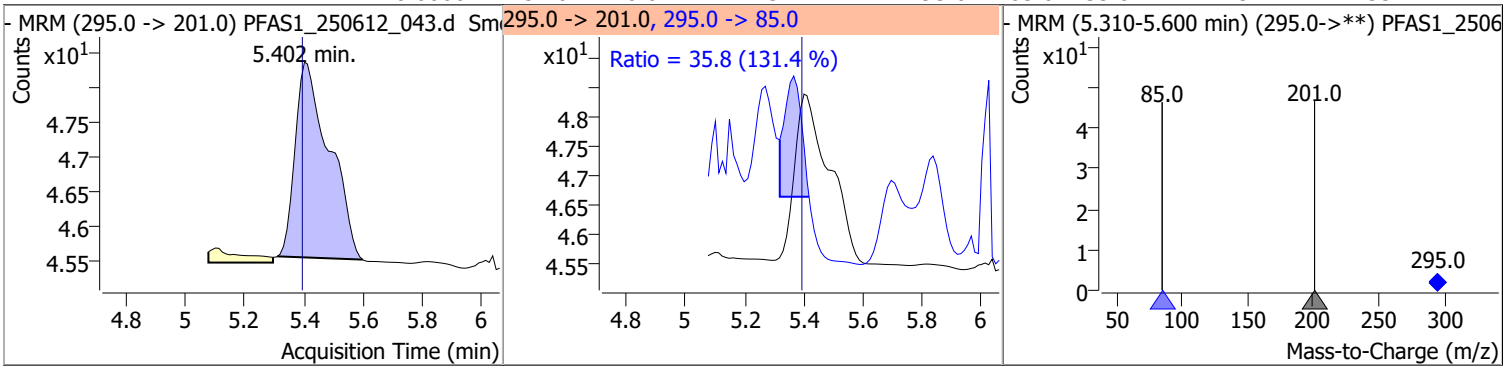
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1862	5.25	0.01	20390	329.0 -> 309.0	336.7	292.1	542.4



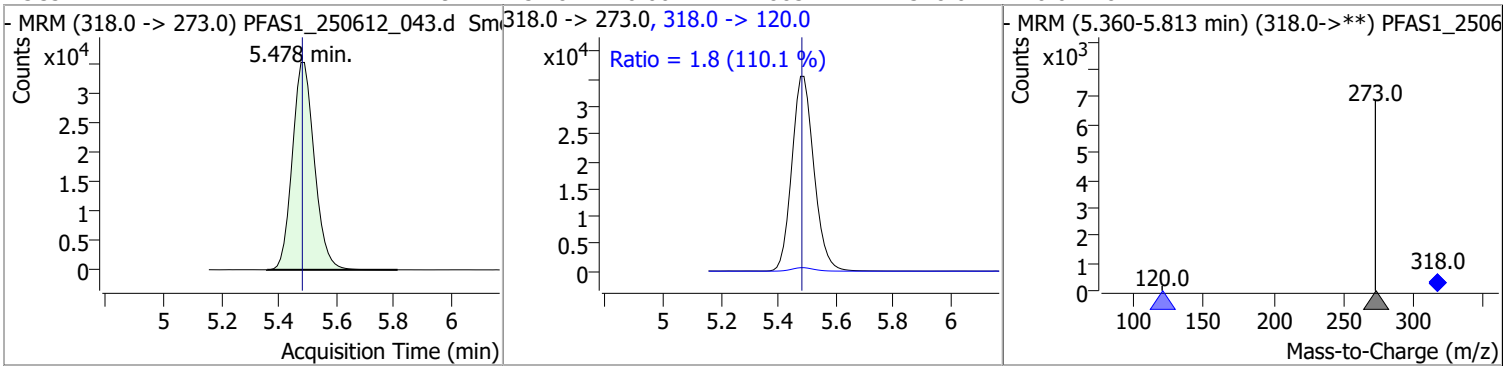
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0070	5.25	0.01	25	327.0 -> 81.0	67.5	23.6	43.9



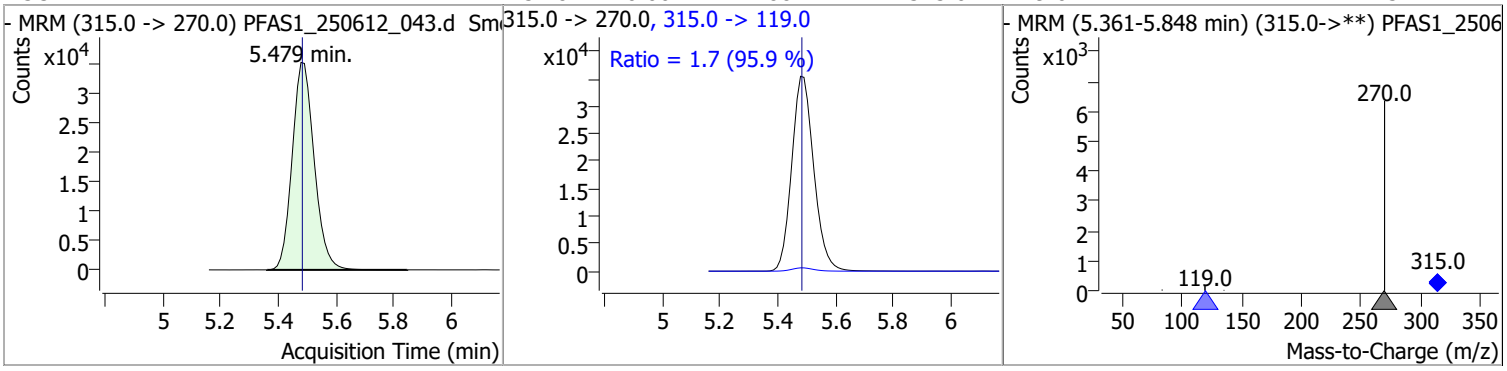
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.40	0.01	23	295.0 -> 85.0	35.8	19.1	35.4



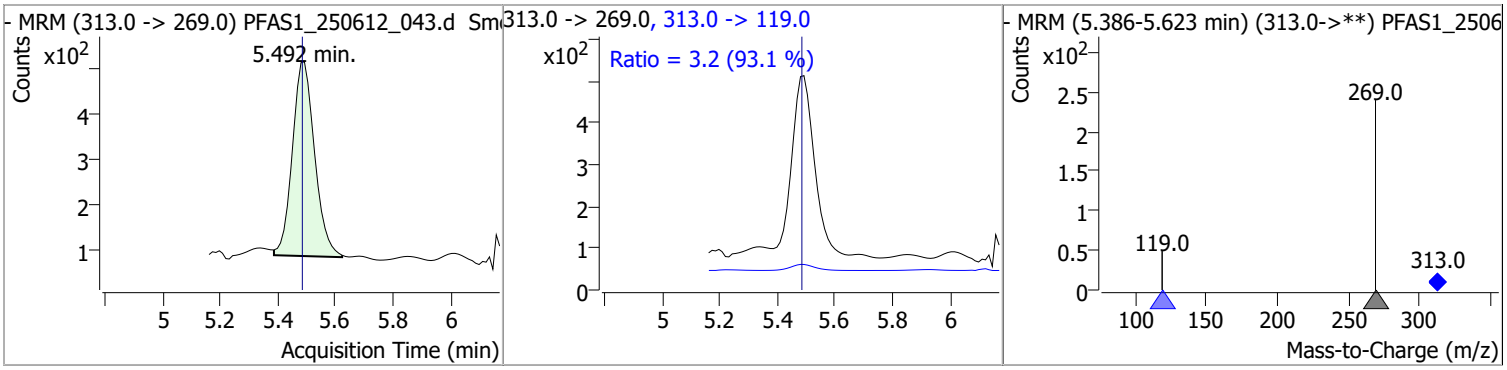
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4294	5.48	0.00	188377	318.0 -> 120.0	1.8	1.1	2.1



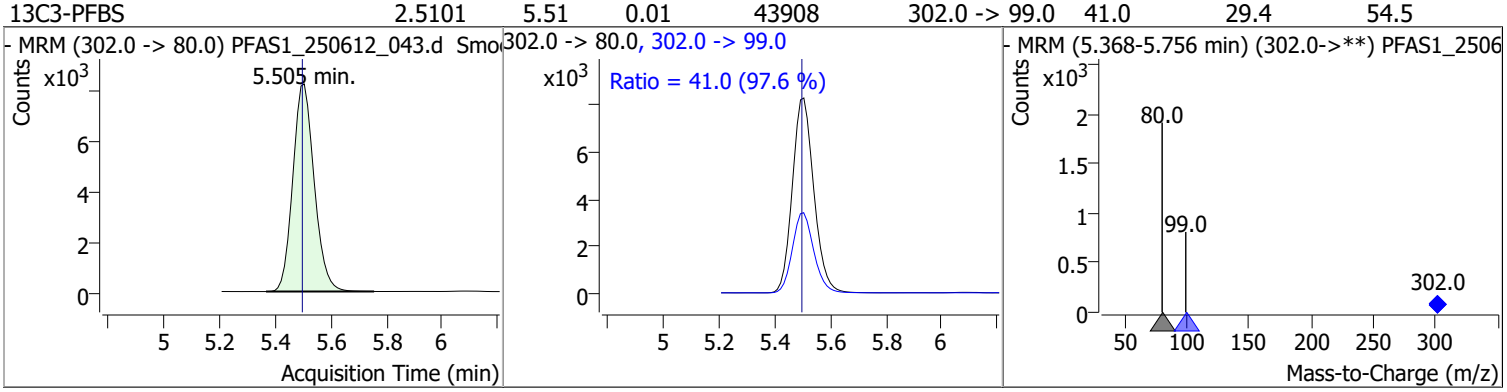
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	188211	315.0 -> 119.0	1.7	1.2	2.3



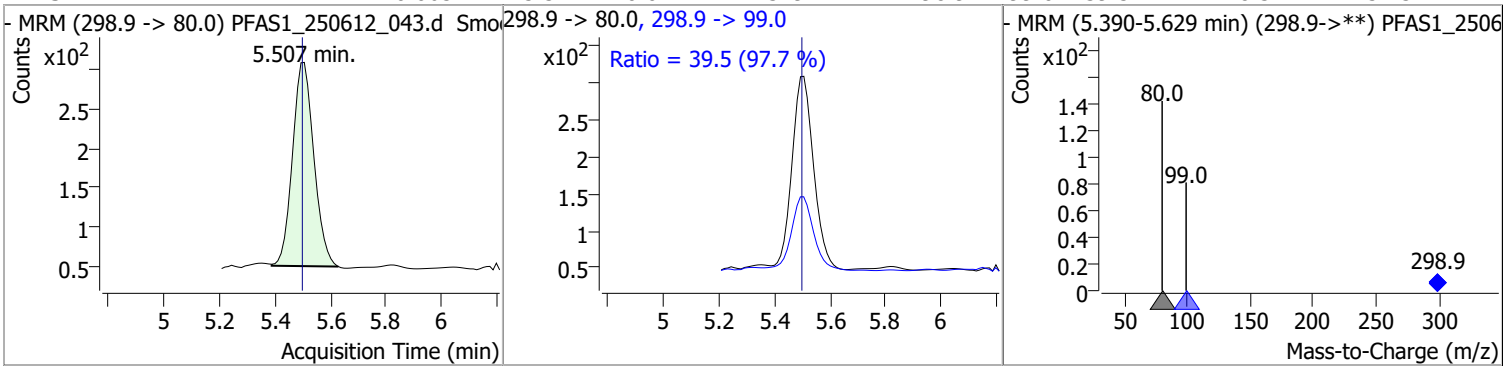
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0370	5.49	0.01	2308	313.0 -> 119.0	3.2	2.4	4.5



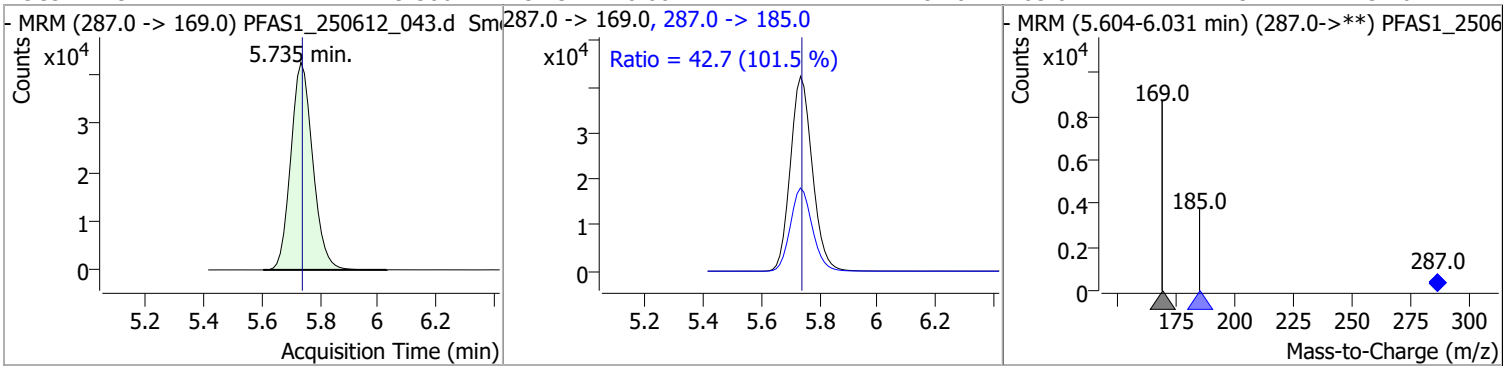
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5101	5.51	0.01	43908	302.0 -> 99.0	41.0	29.4	54.5



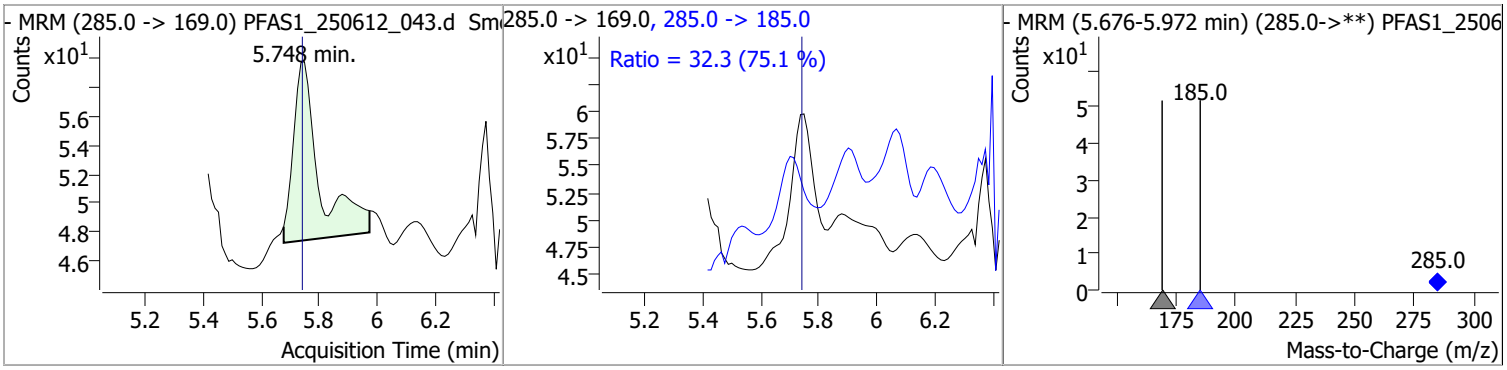
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0651	5.51	0.01	1379	298.9 -> 99.0	39.5	28.3	52.5



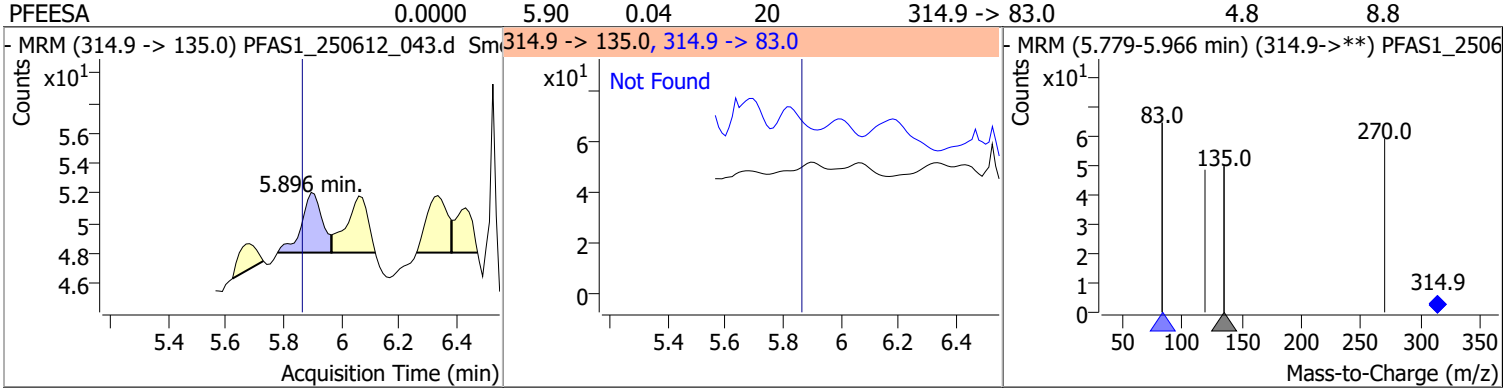
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.5062	5.73	0.00	222247	287.0 -> 185.0	42.7	29.4	54.6



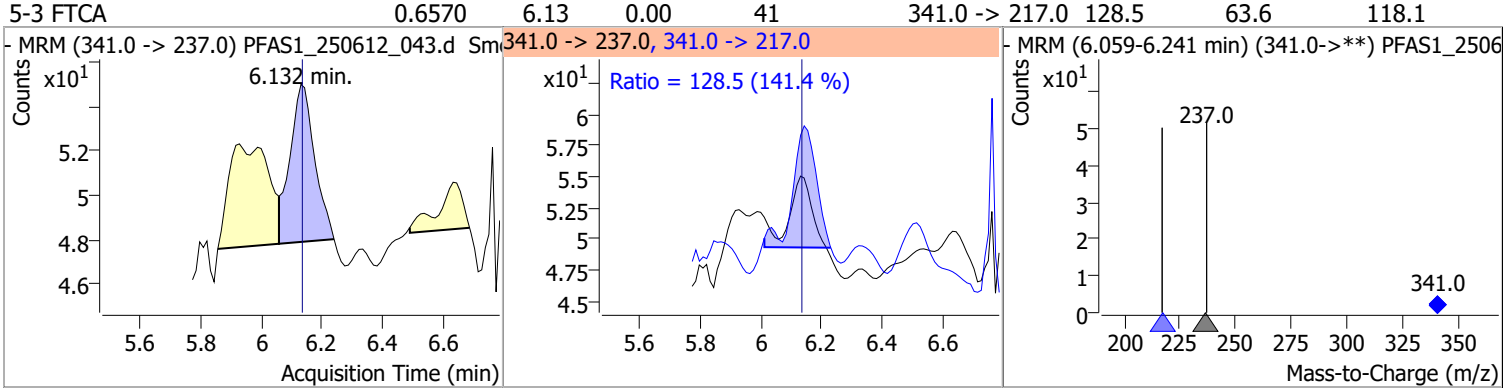
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0124	5.75	0.01	78	285.0 -> 185.0	32.3	30.1	56.0



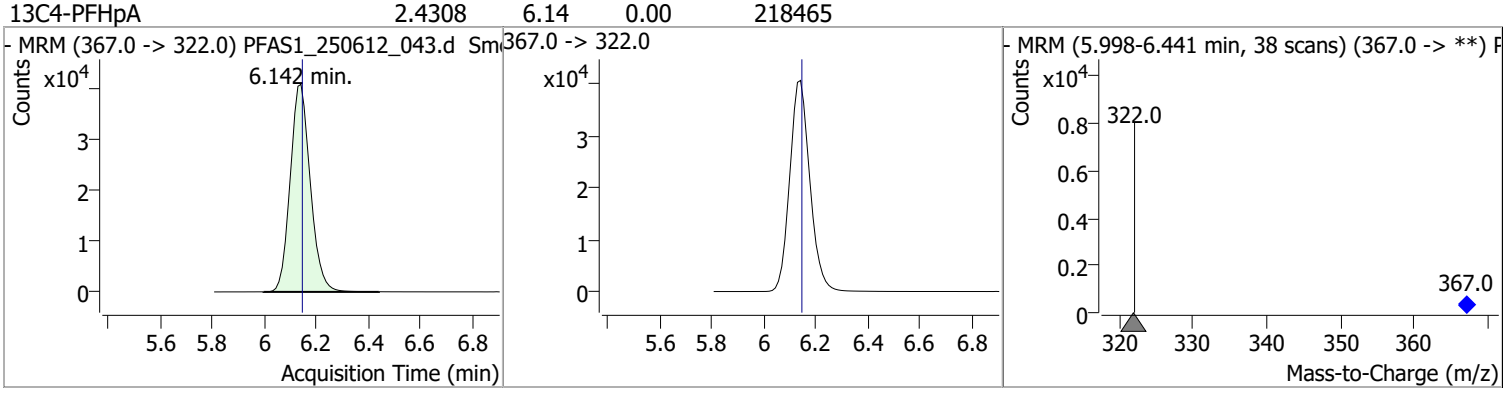
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.90	0.04	20	314.9 -> 83.0		4.8	8.8



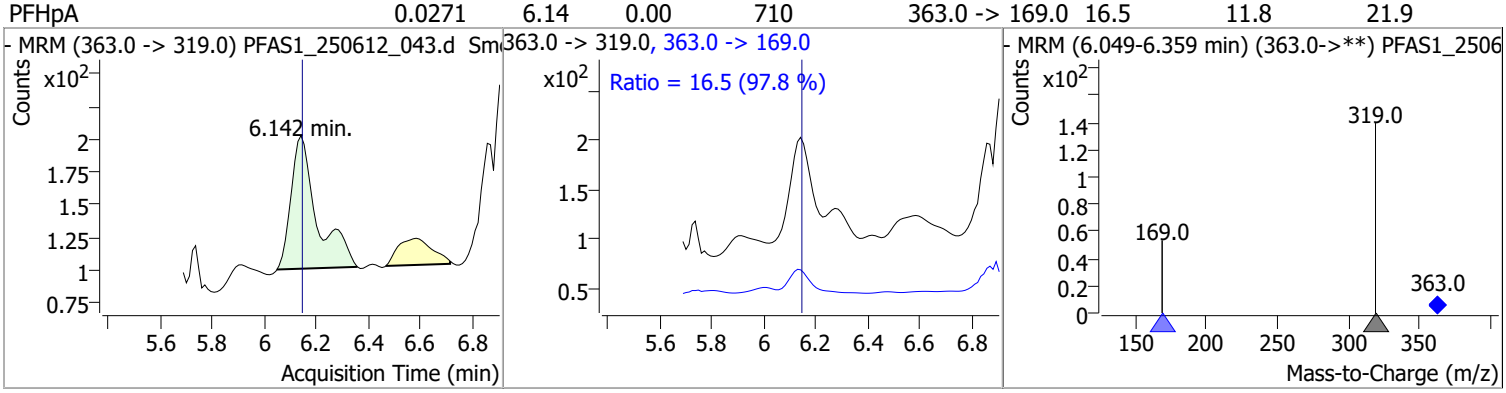
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6570	6.13	0.00	41	341.0 -> 217.0	128.5	63.6	118.1



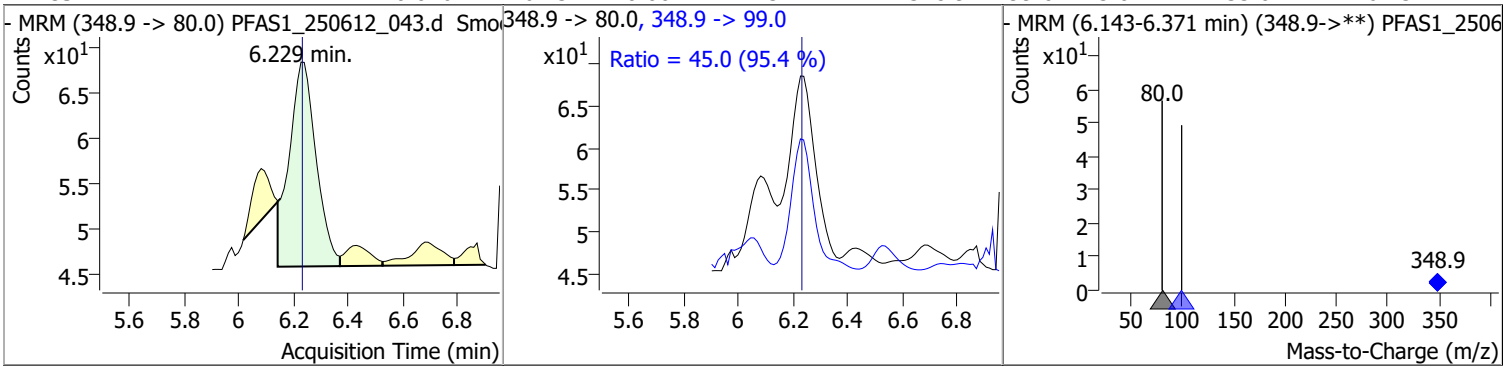
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4308	6.14	0.00	218465				



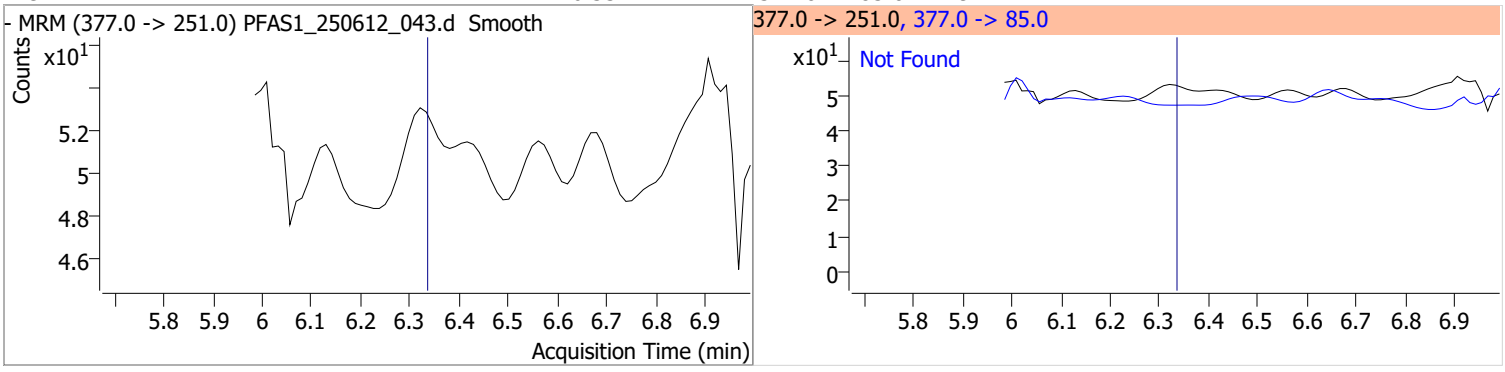
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0271	6.14	0.00	710	363.0 -> 169.0	16.5	11.8	21.9



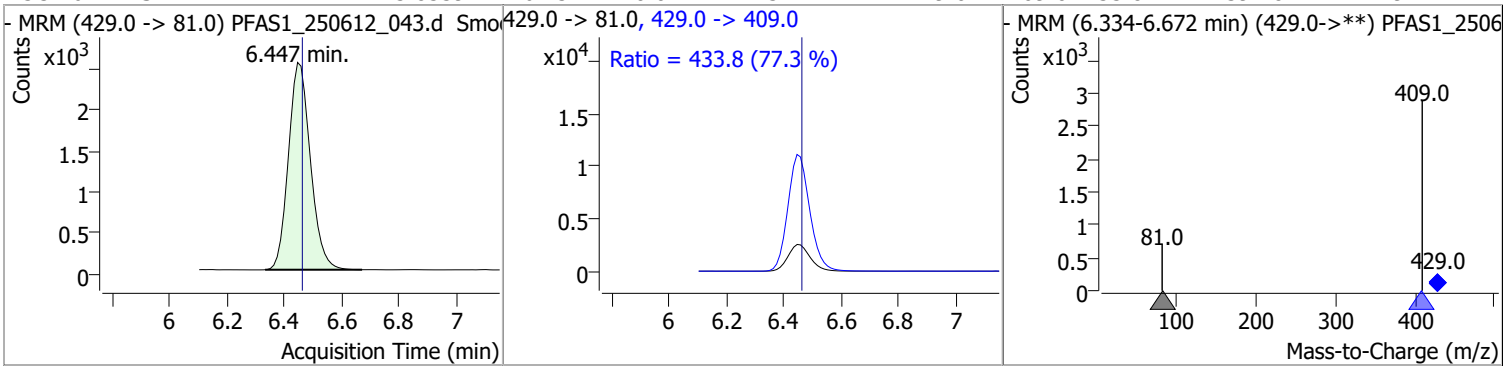
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0264	6.23	0.00	157	348.9 -> 99.0	45.0	33.0	61.3



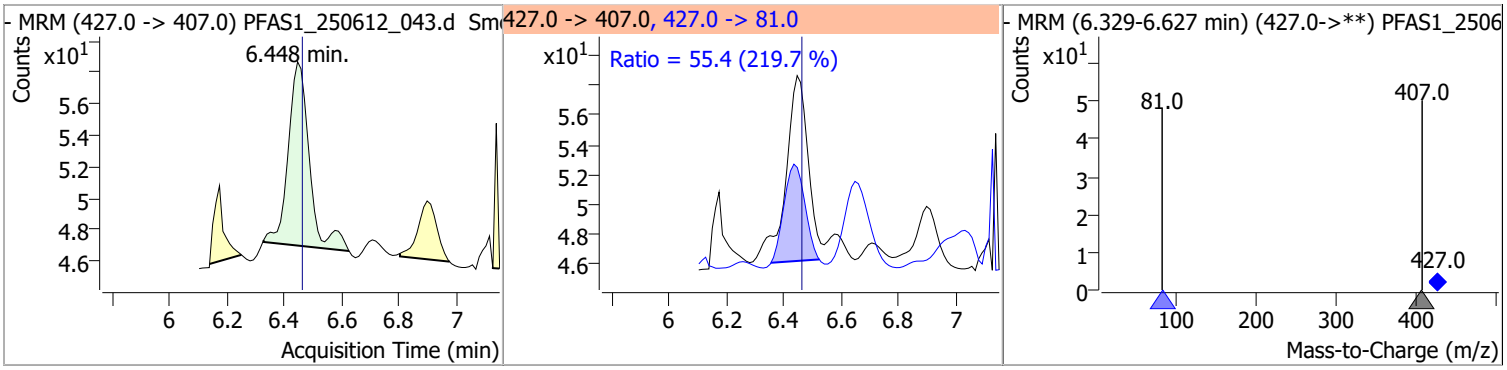
Compound	Conc.	Exp RT	QIon	Exp Ratio
DONA	N.D.	6.33	377.0 -> 85.0	29.1



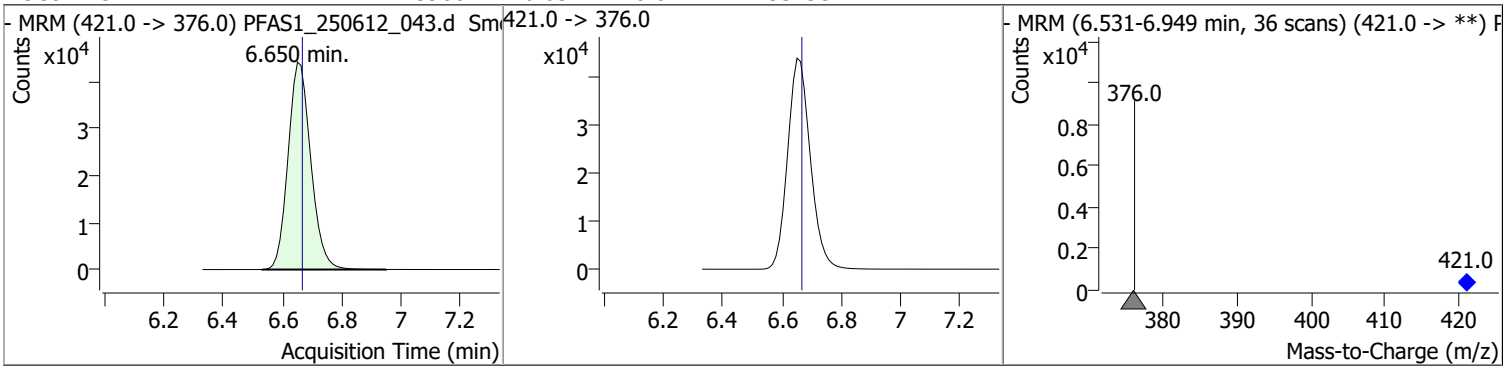
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8339	6.45	-0.01	13474	429.0 -> 409.0	433.8	392.8	729.4



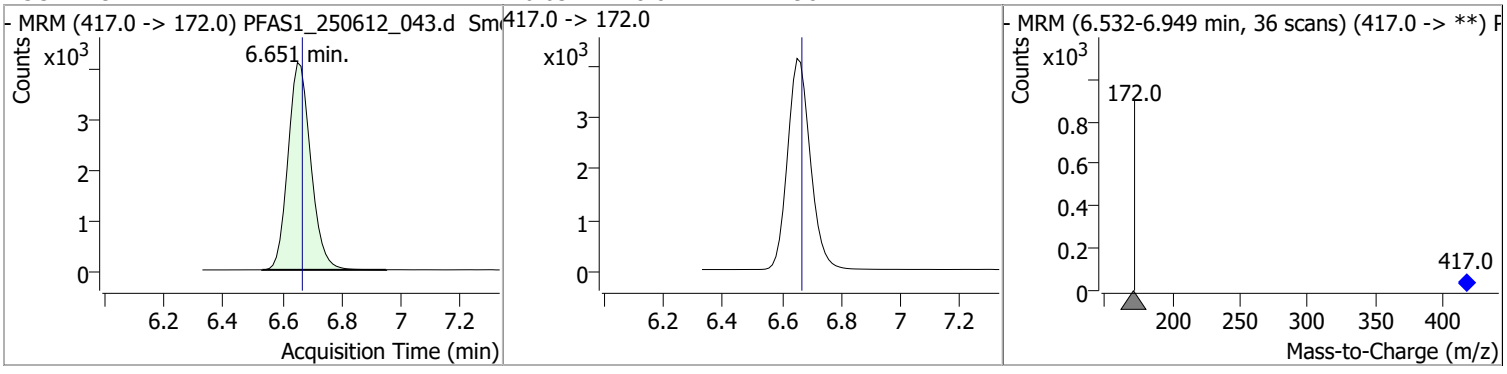
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	60	427.0 -> 81.0	55.4	17.7	32.8



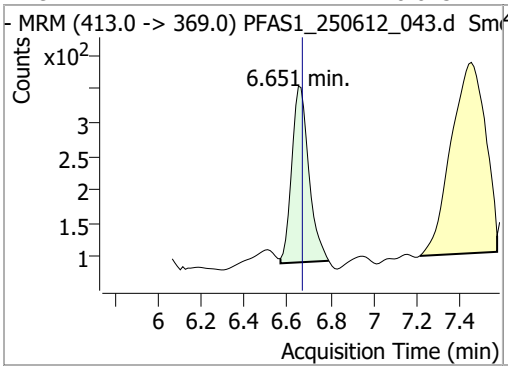
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3900	6.65	-0.01	233295				

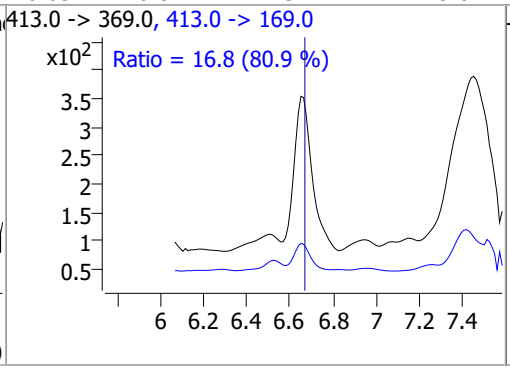


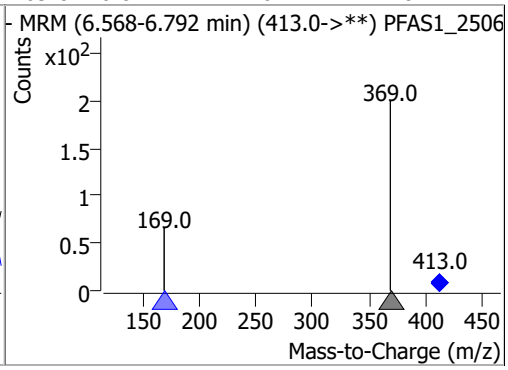
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	21798				



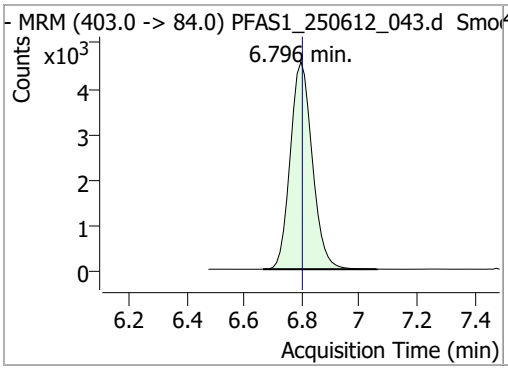
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0257	6.65	-0.01	1437	413.0 -> 169.0	16.8	14.6	27.0

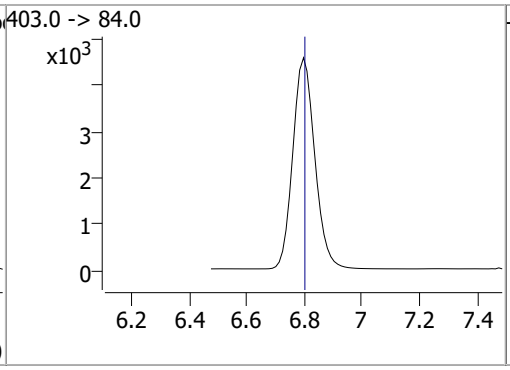


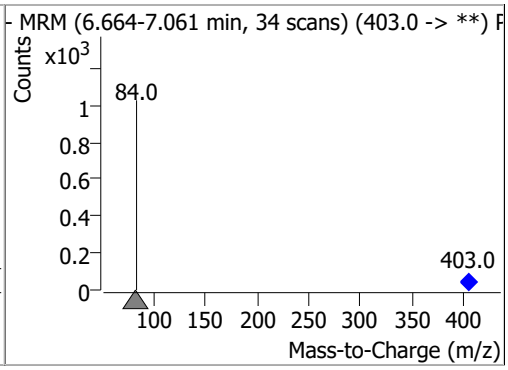




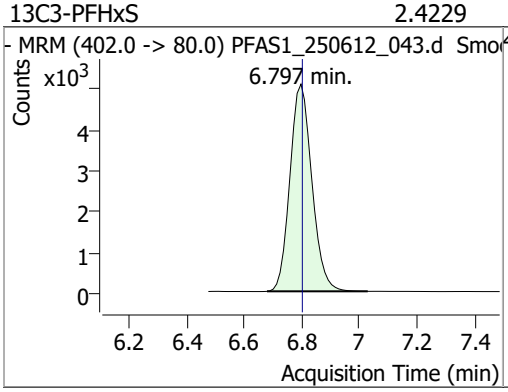
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24158				

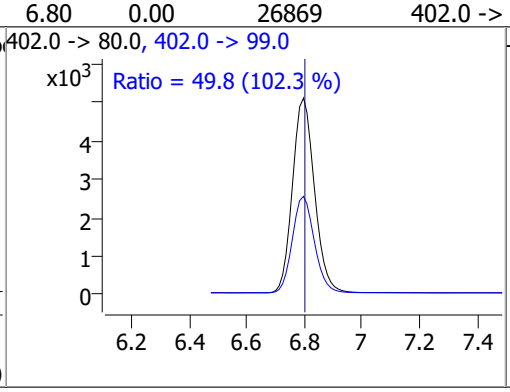


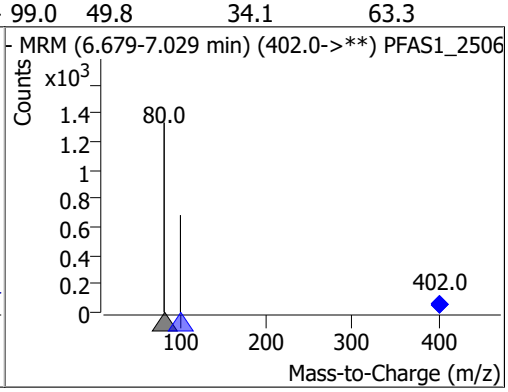




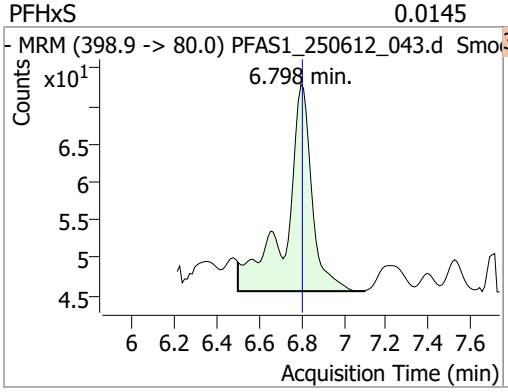
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4229	6.80	0.00	26869	402.0 -> 99.0	49.8	34.1	63.3

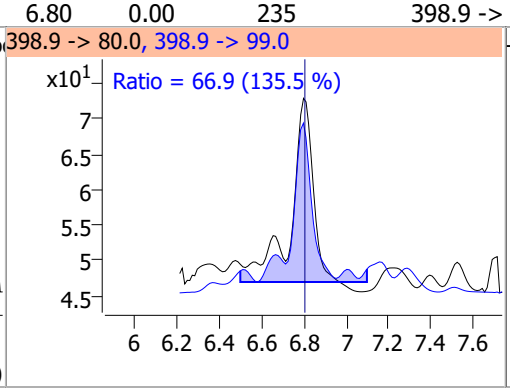


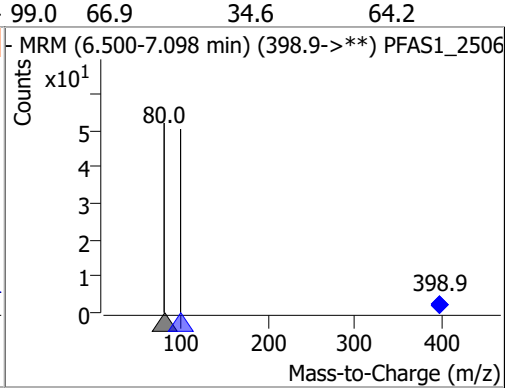




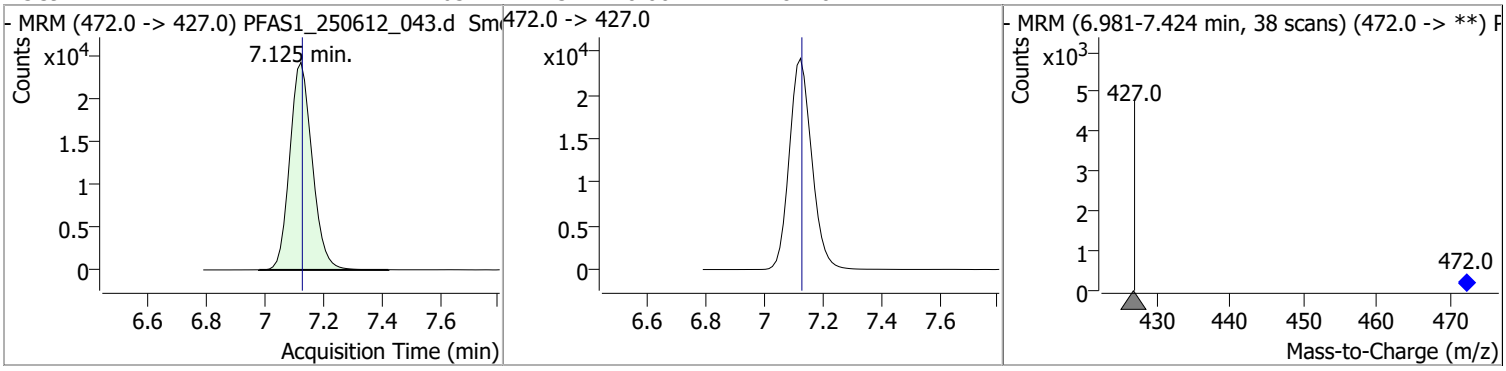
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0145	6.80	0.00	235	398.9 -> 99.0	66.9	34.6	64.2



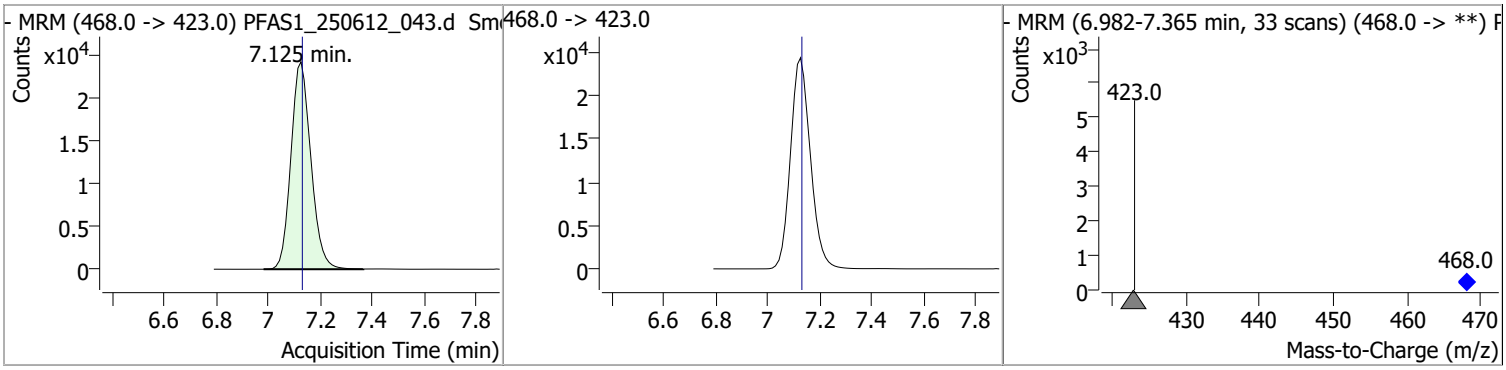




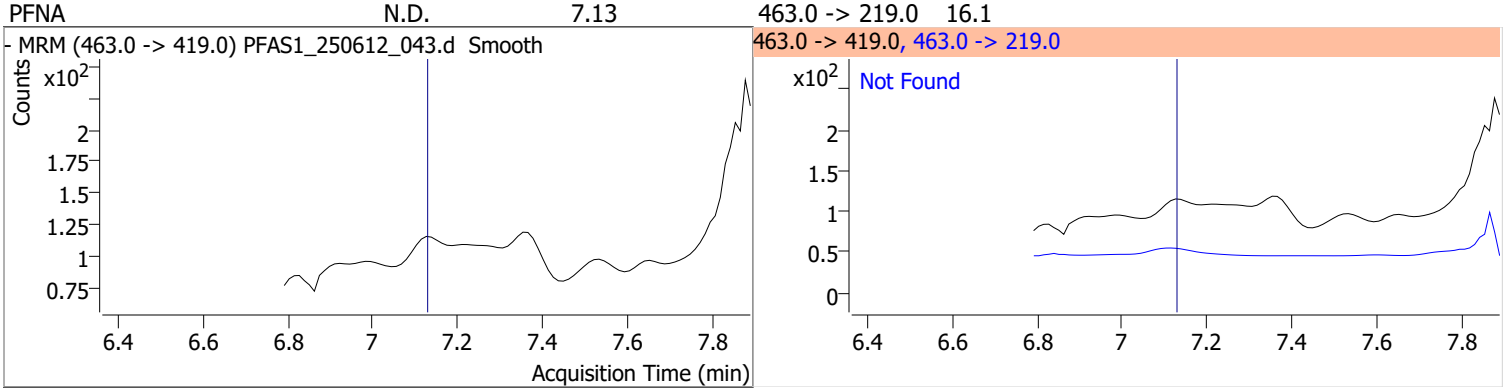
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2163	7.13	0.00	128440				



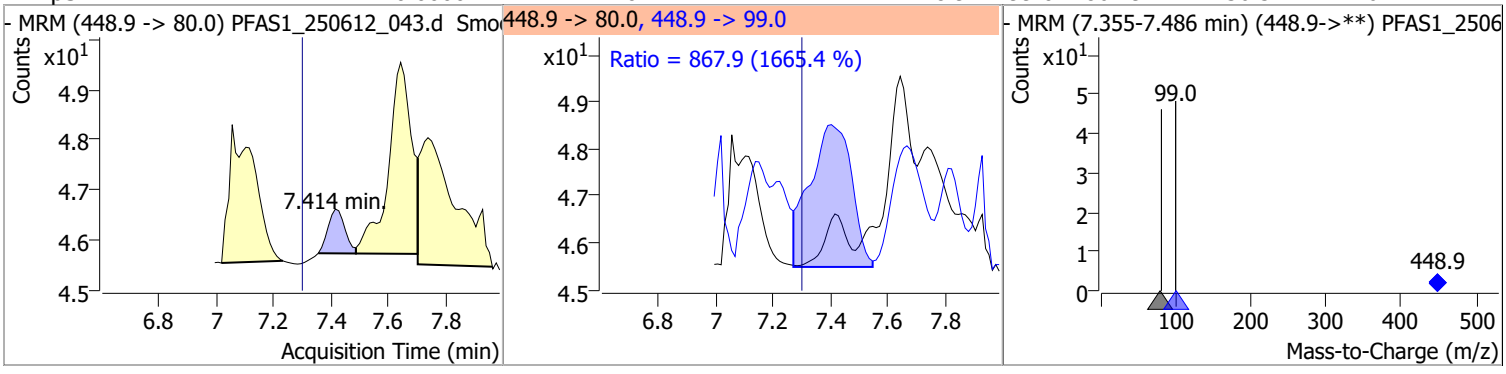
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	128785				



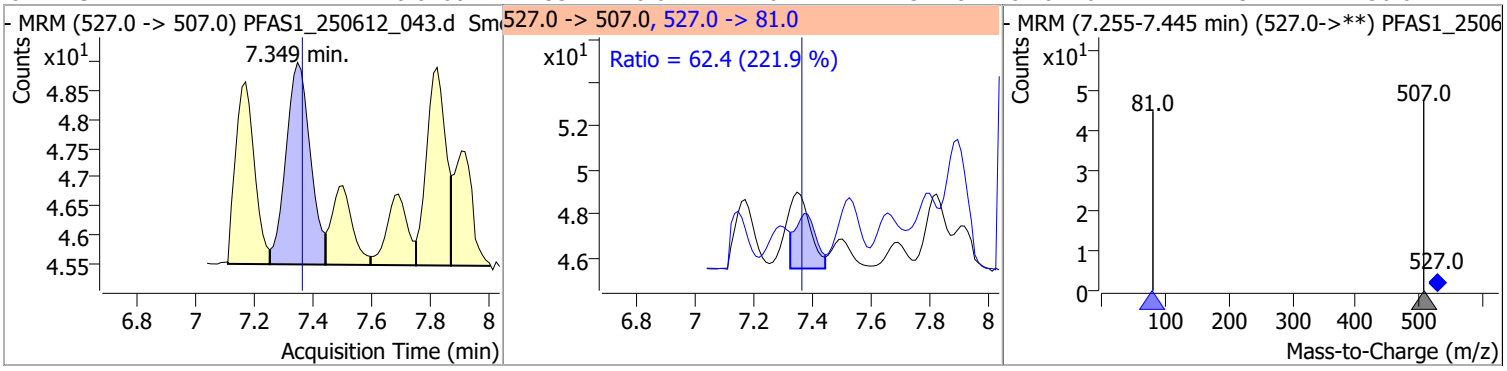
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFNA	N.D.	7.13	463.0 -> 219.0	16.1



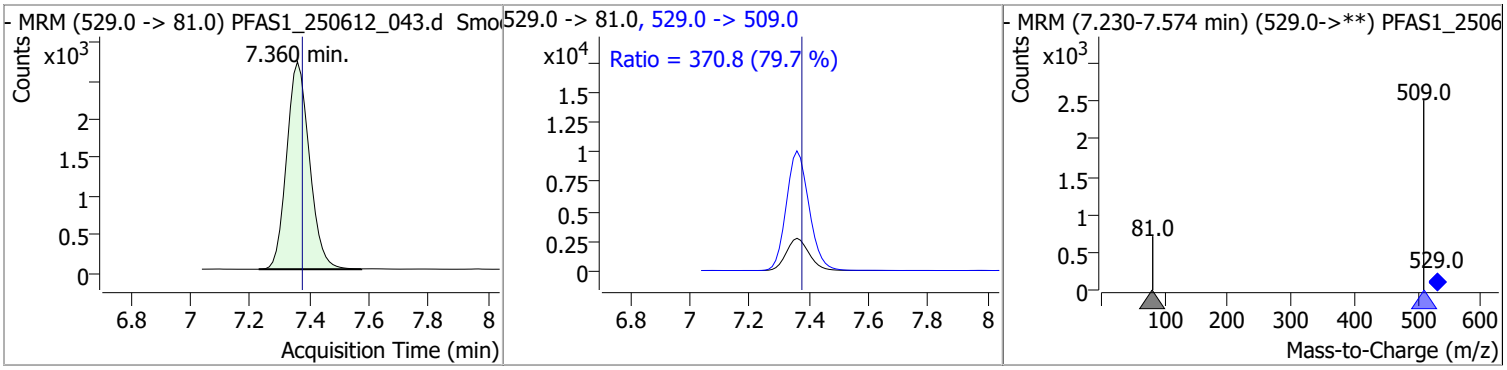
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0000	7.41	0.12	4	448.9 -> 99.0	867.9	36.5	67.7



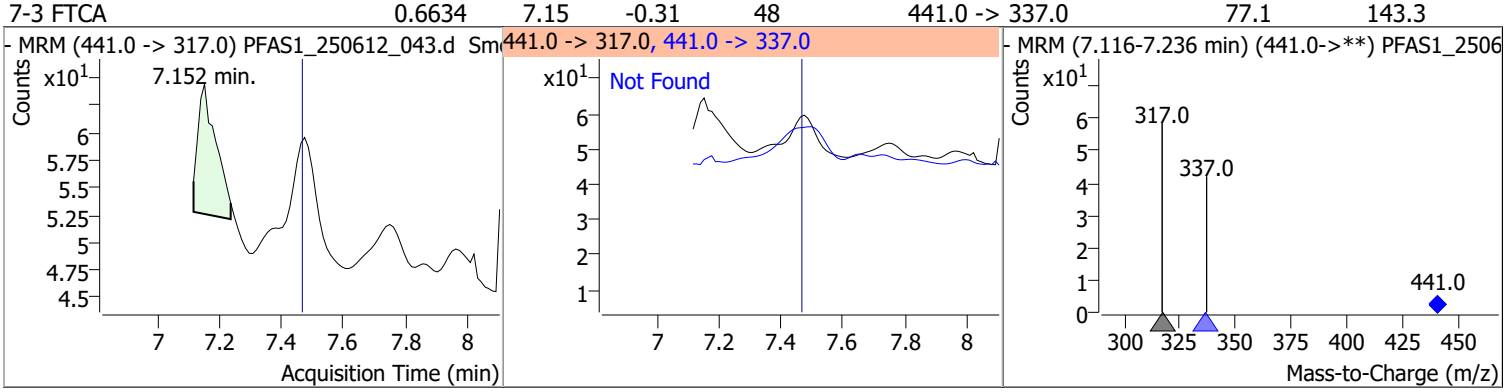
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0168	7.35	-0.01	20	527.0 -> 81.0	62.4	19.7	36.6



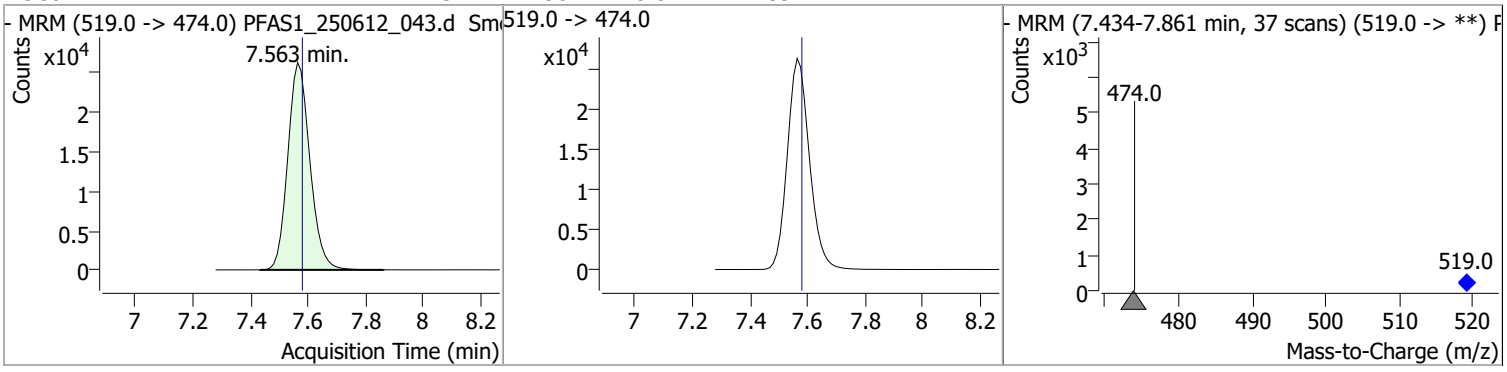
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.6599	7.36	-0.01	14314	529.0 -> 509.0	370.8	325.6	604.6



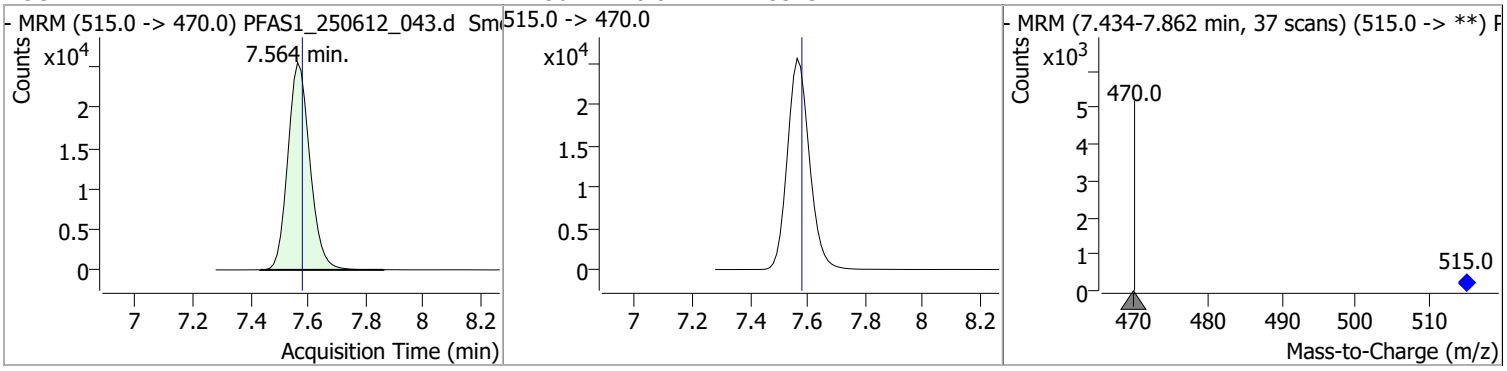
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.6634	7.15	-0.31	48	441.0 -> 337.0		77.1	143.3



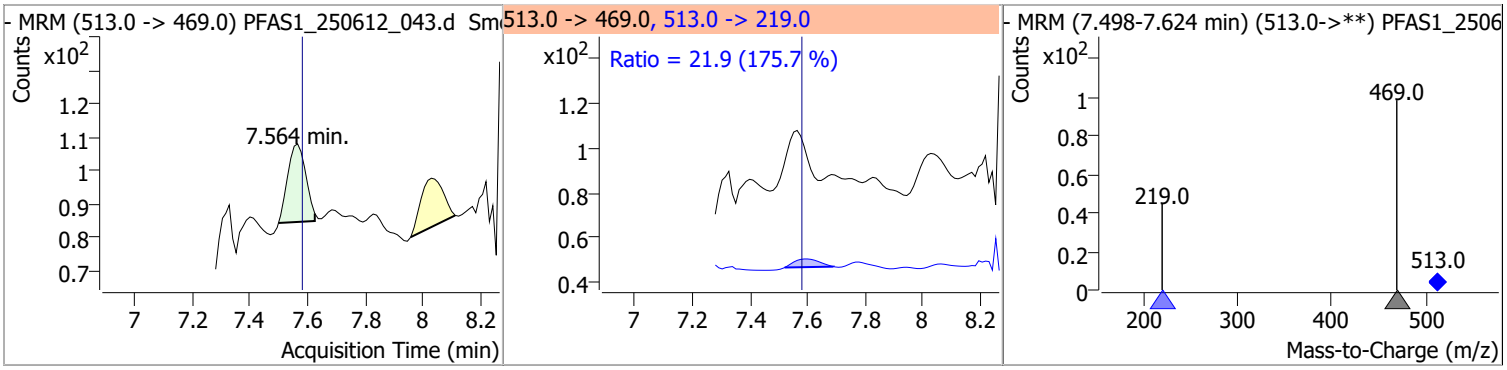
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2137	7.56	-0.01	139277				



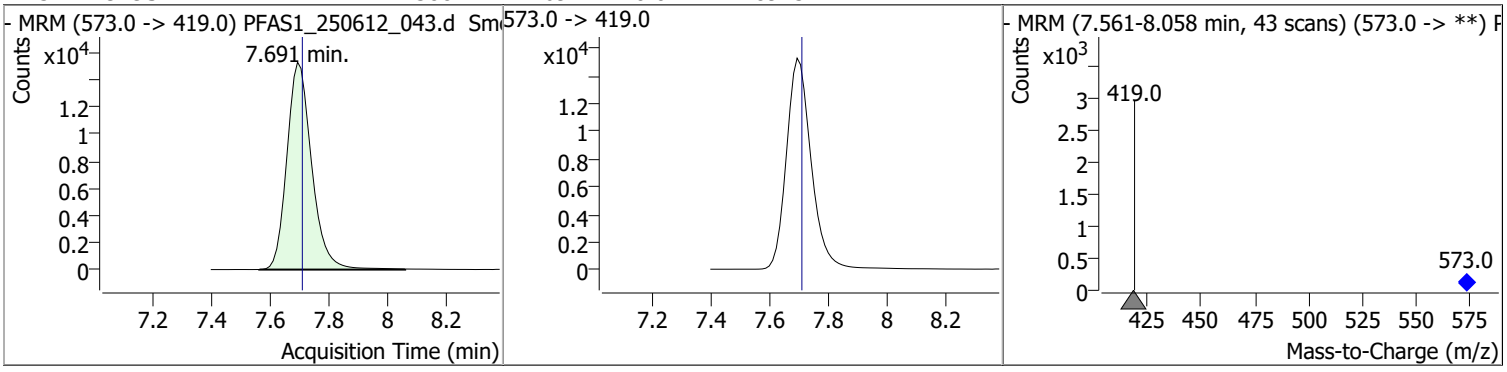
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	135132				



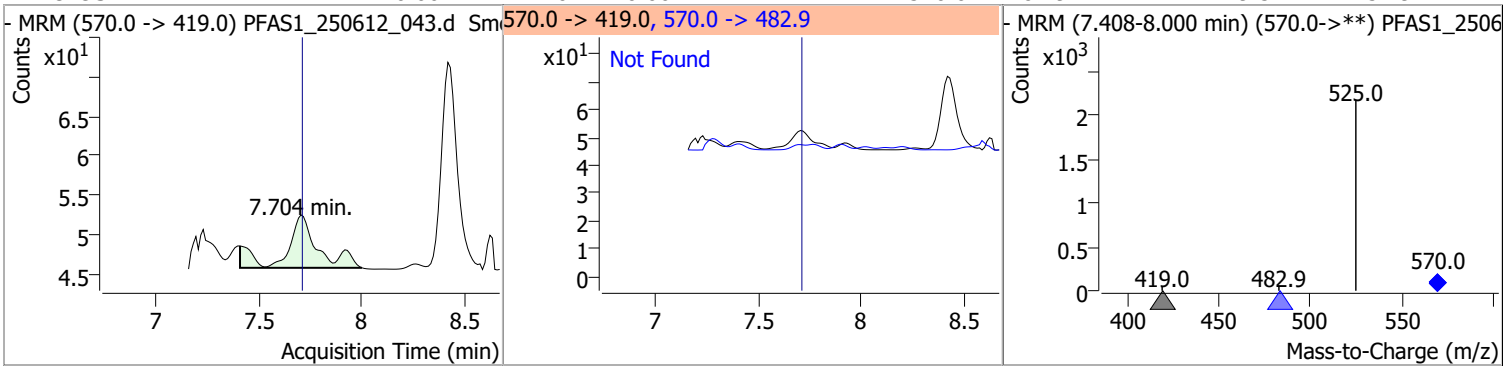
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0181	7.56	-0.01	101	513.0 -> 219.0	21.9	8.7	16.2



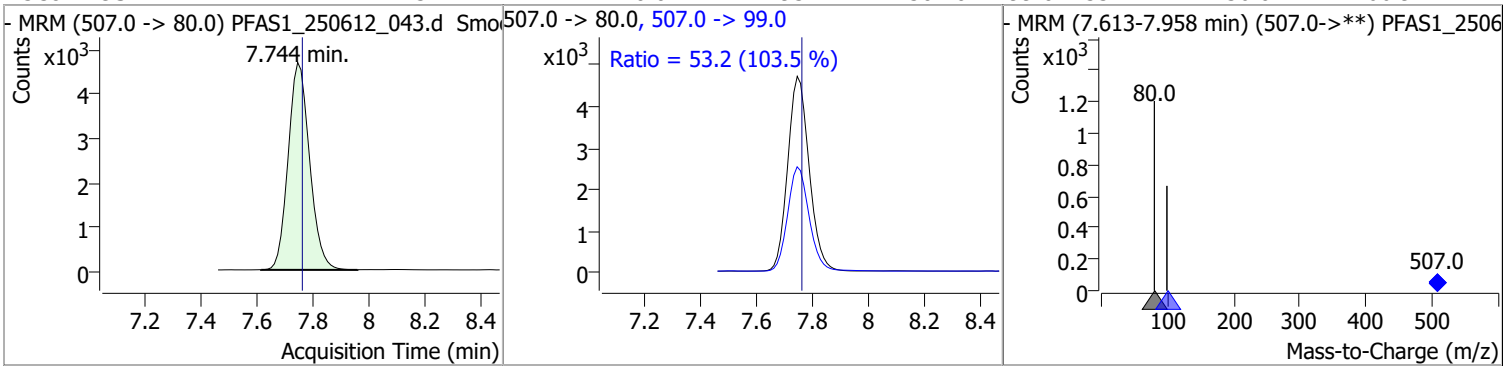
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.3881	7.69	-0.01	89151				



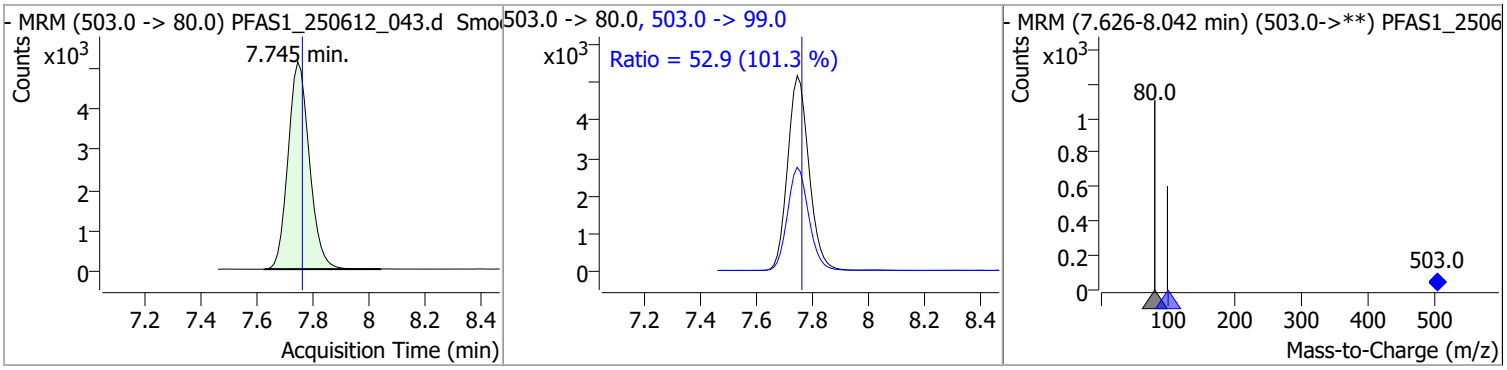
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0017	7.70	0.00	72	570.0 -> 482.9		29.5	54.9



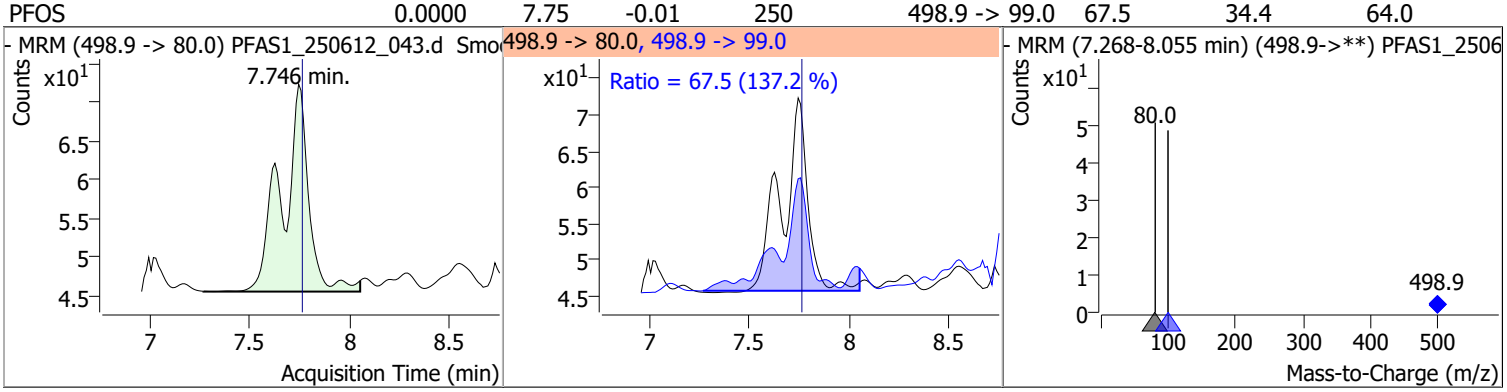
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3124	7.74	-0.01	24934	507.0 -> 99.0	53.2	36.0	66.9



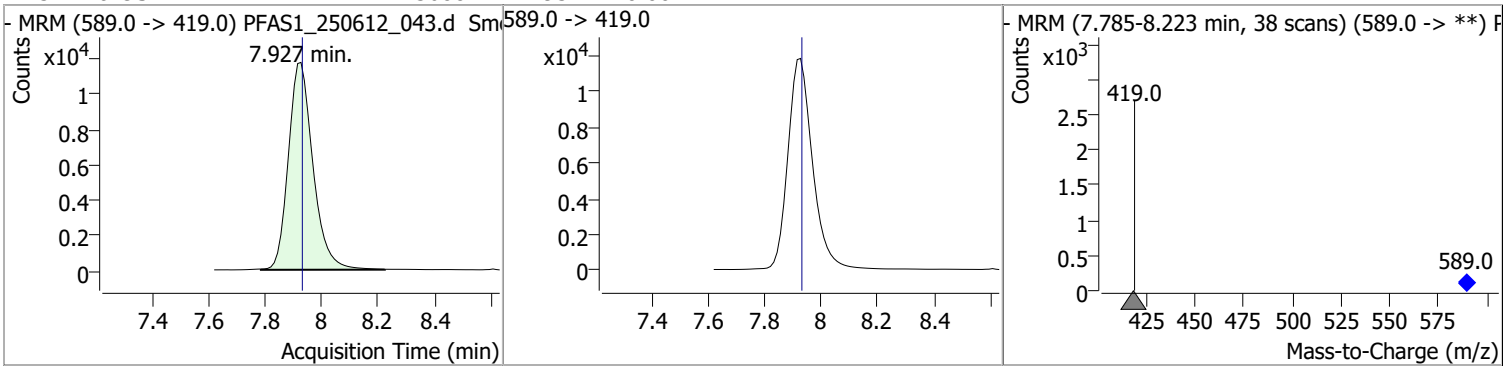
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	27209	503.0 -> 99.0	52.9	36.6	67.9



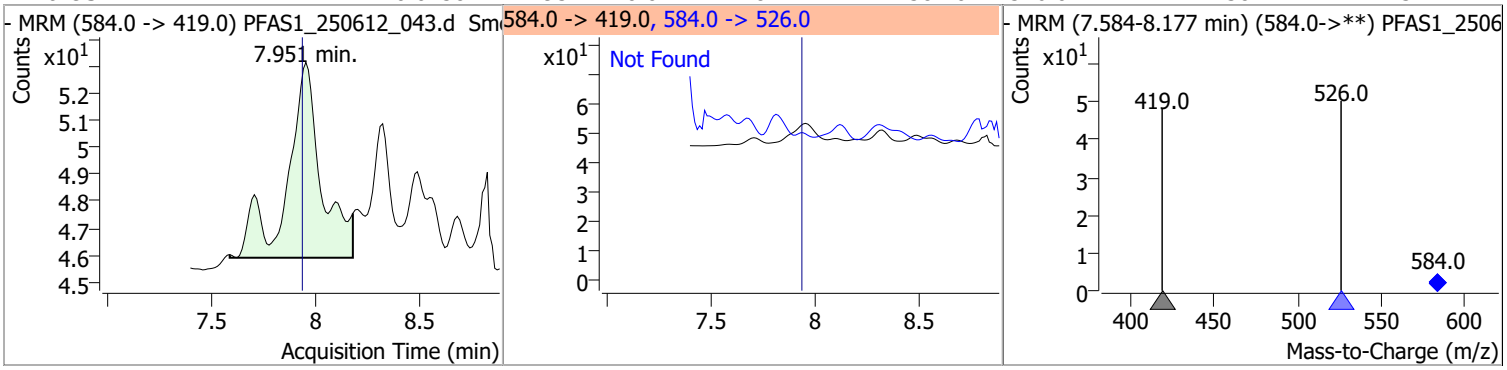
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.75	-0.01	250	498.9 -> 99.0	67.5	34.4	64.0



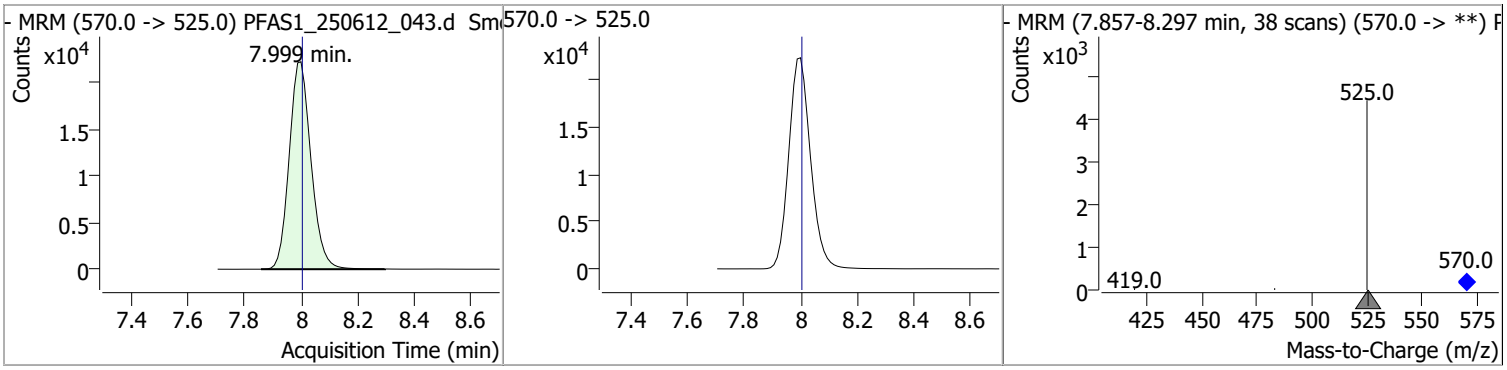
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.3688	7.93	0.00	71124				



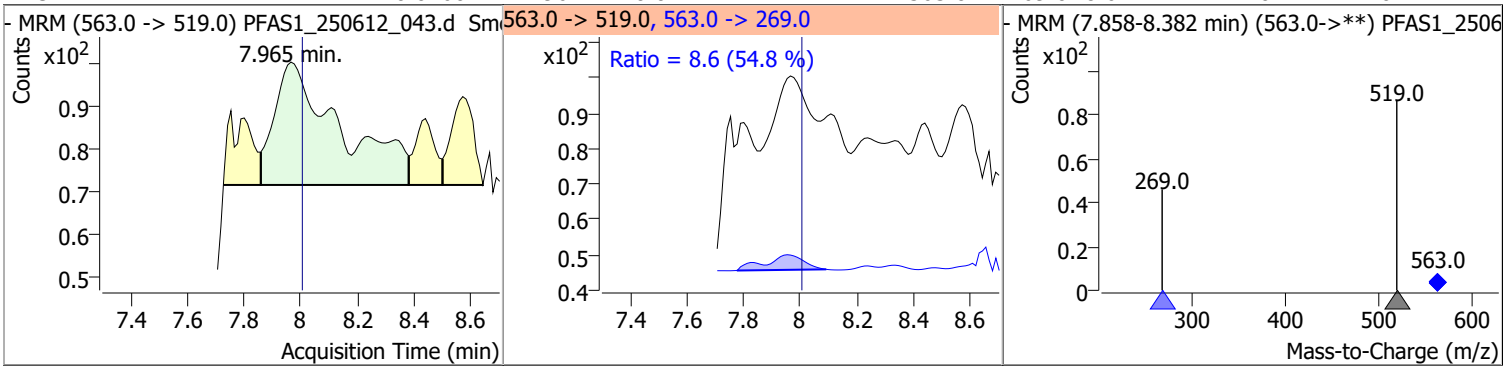
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0158	7.95	0.02	82	584.0 -> 526.0		38.4	71.3



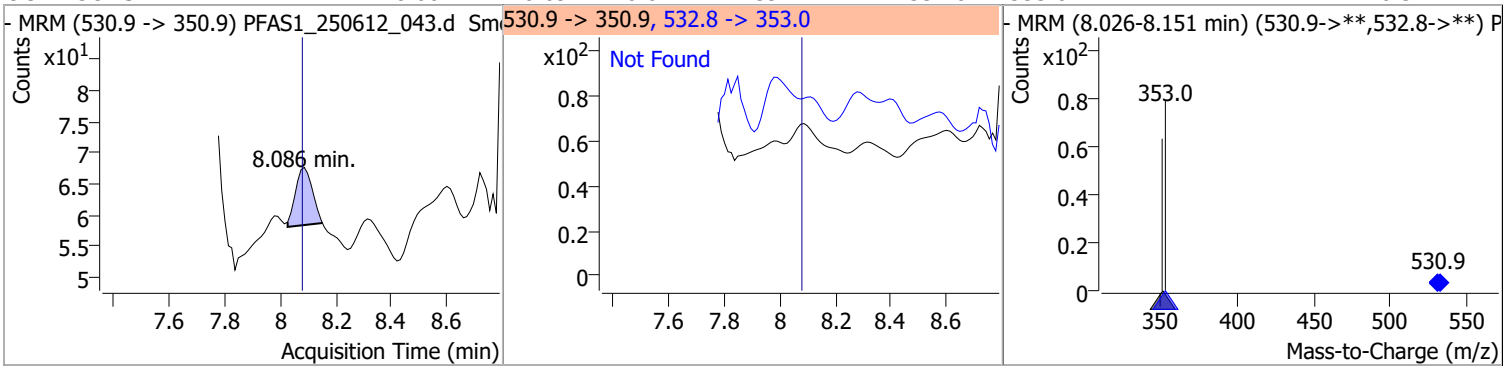
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1933	8.00	0.00	118898				



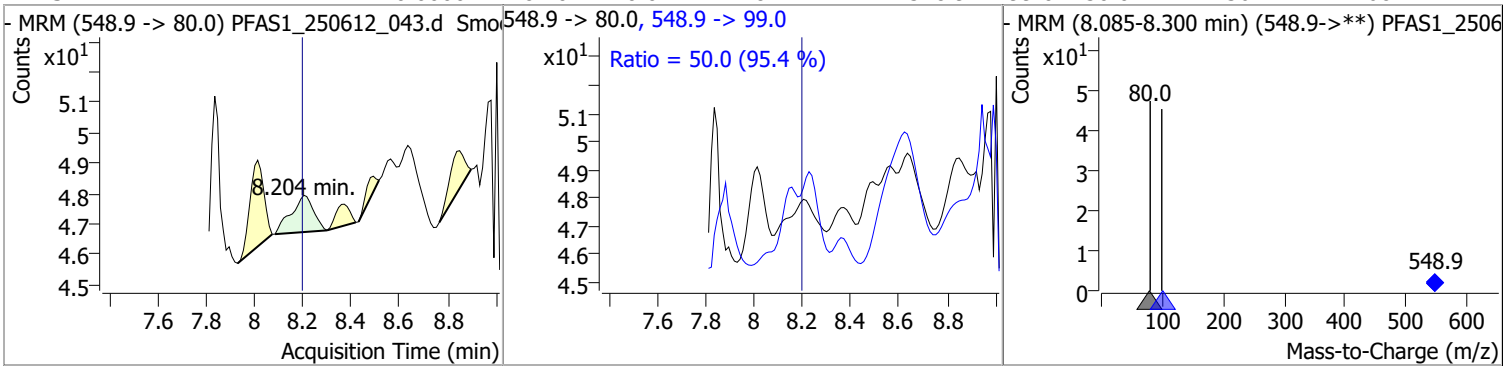
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0160	7.96	-0.04	471	563.0 -> 269.0	8.6	11.0	20.4



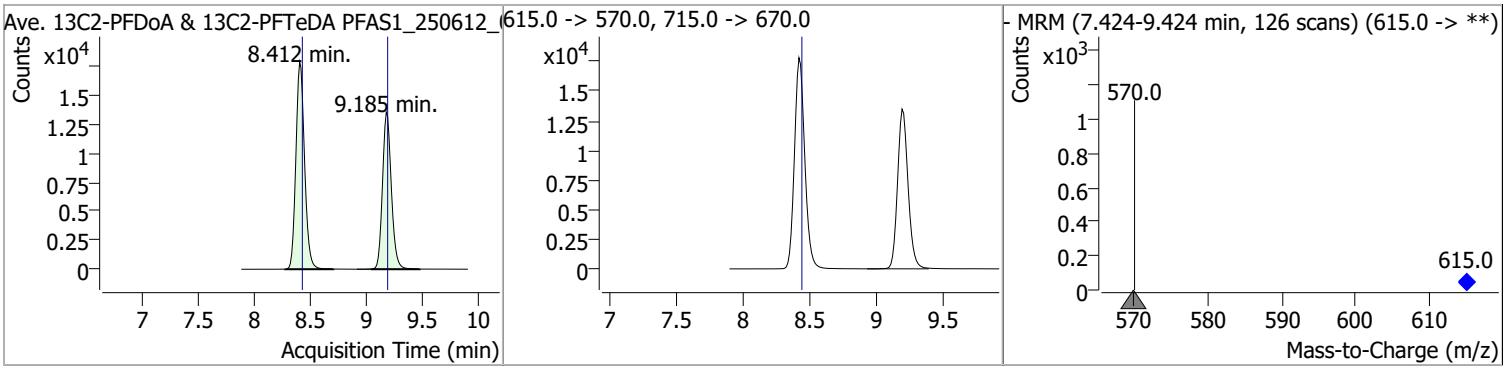
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0014	8.09	0.01	39	532.8 -> 353.0		21.7	40.3



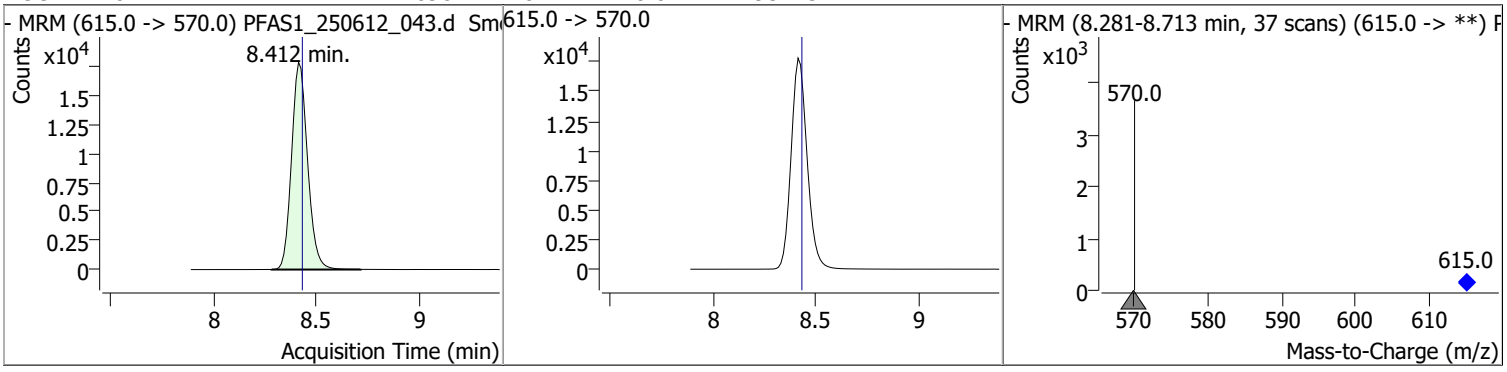
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.20	0.01	8	548.9 -> 99.0	50.0	36.7	68.1



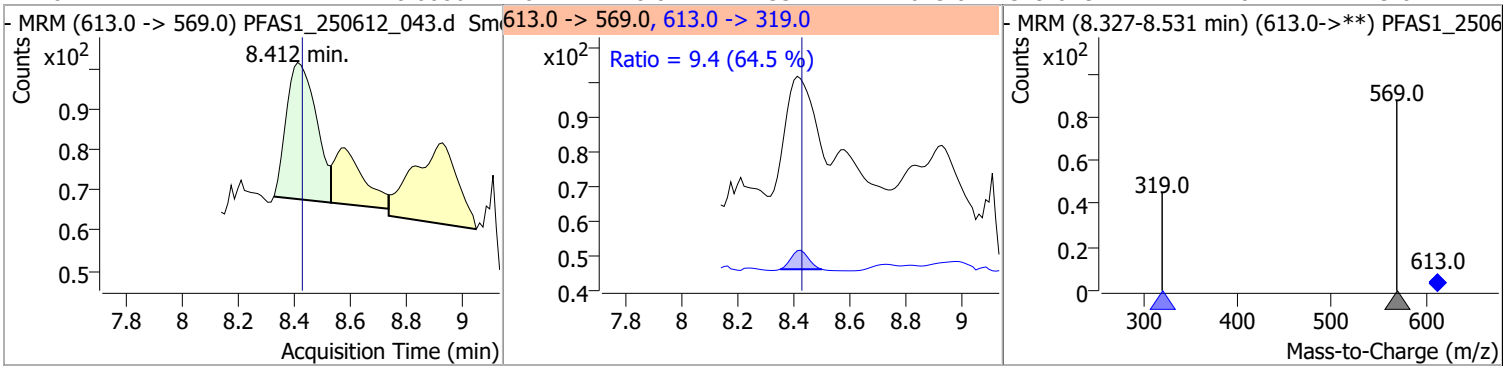
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	0.9862	8.80	0.37	84421				



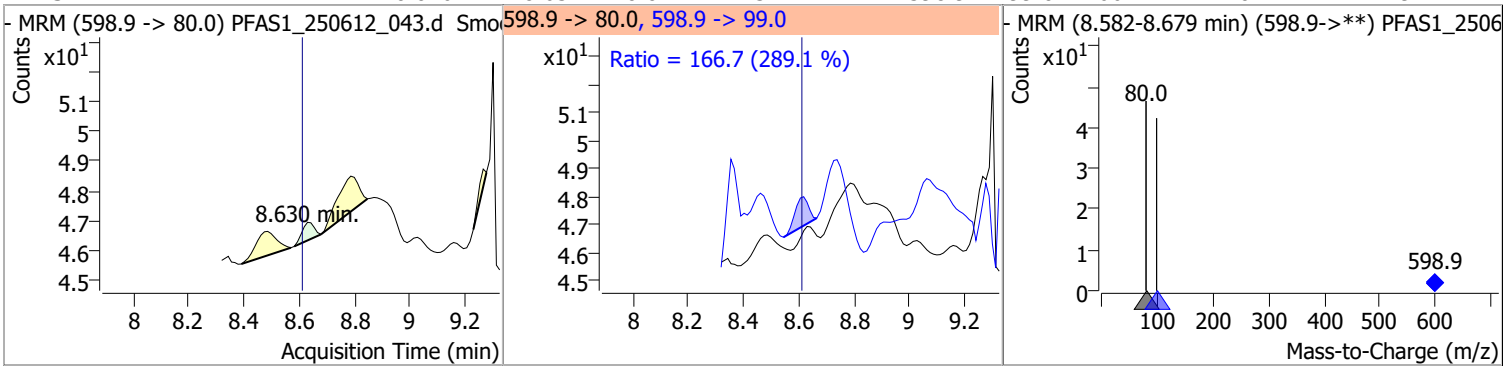
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.0981	8.41	-0.01	95175				



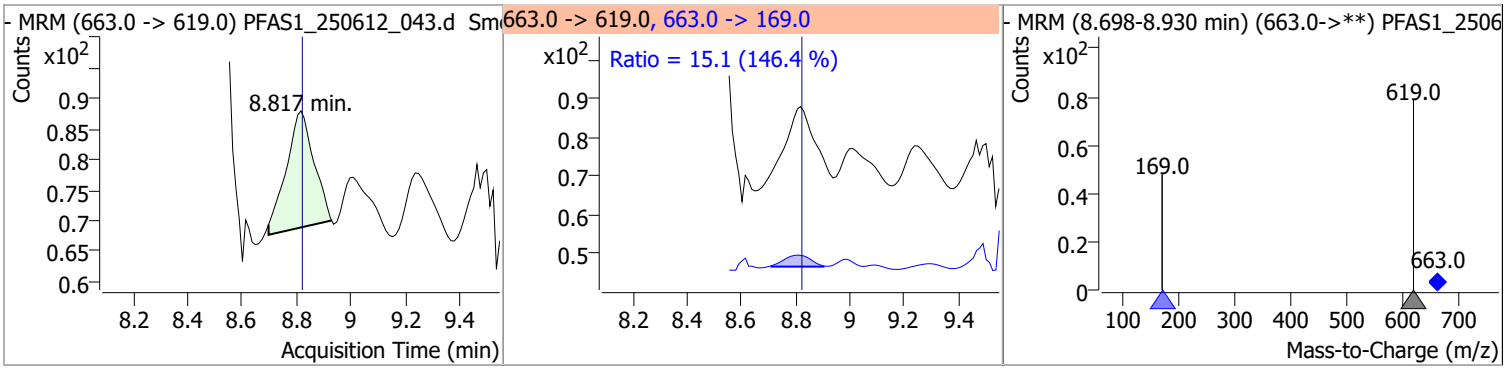
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0086	8.41	-0.01	253	613.0 -> 319.0	9.4	10.2	19.0



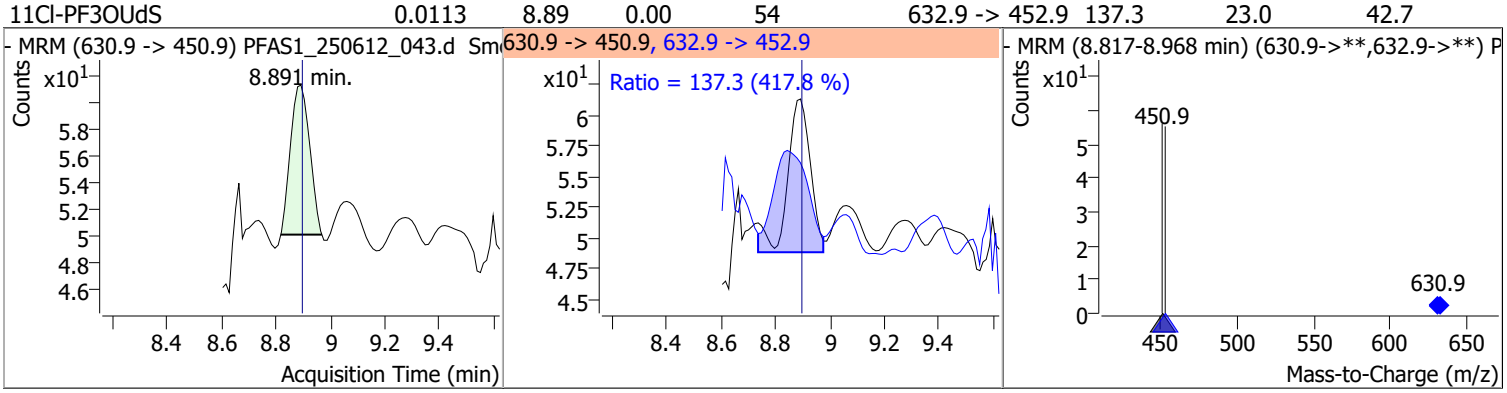
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0162	8.63	0.02	3	598.9 -> 99.0	166.7	40.4	74.9



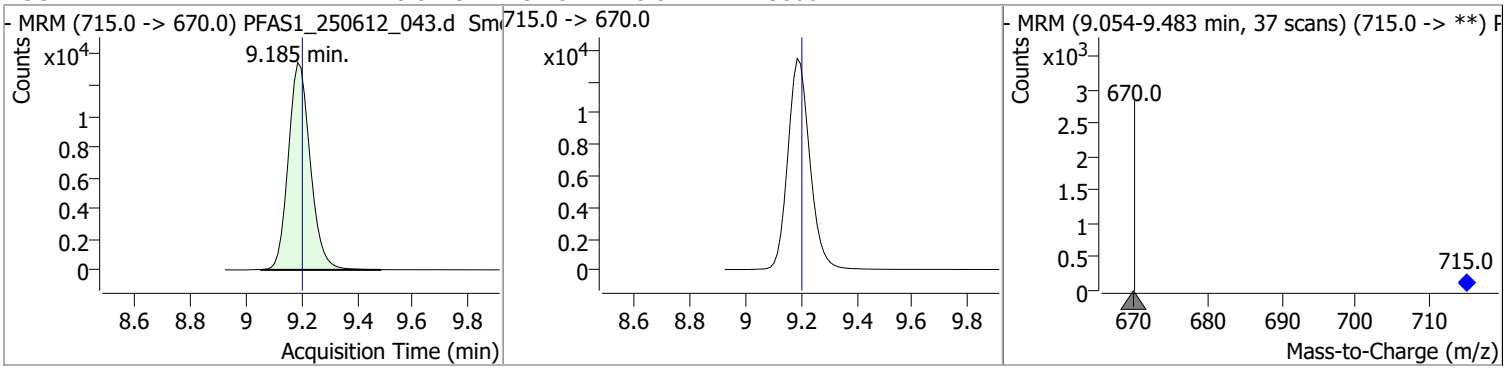
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0173	8.82	0.00	134	663.0 -> 169.0	15.1	7.2	13.4



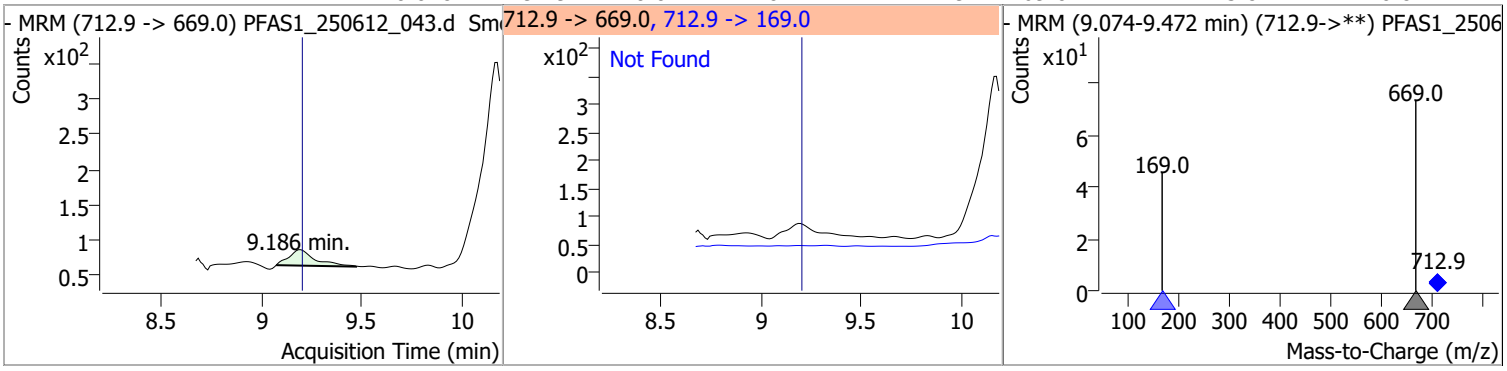
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0113	8.89	0.00	54	632.9 -> 452.9	137.3	23.0	42.7



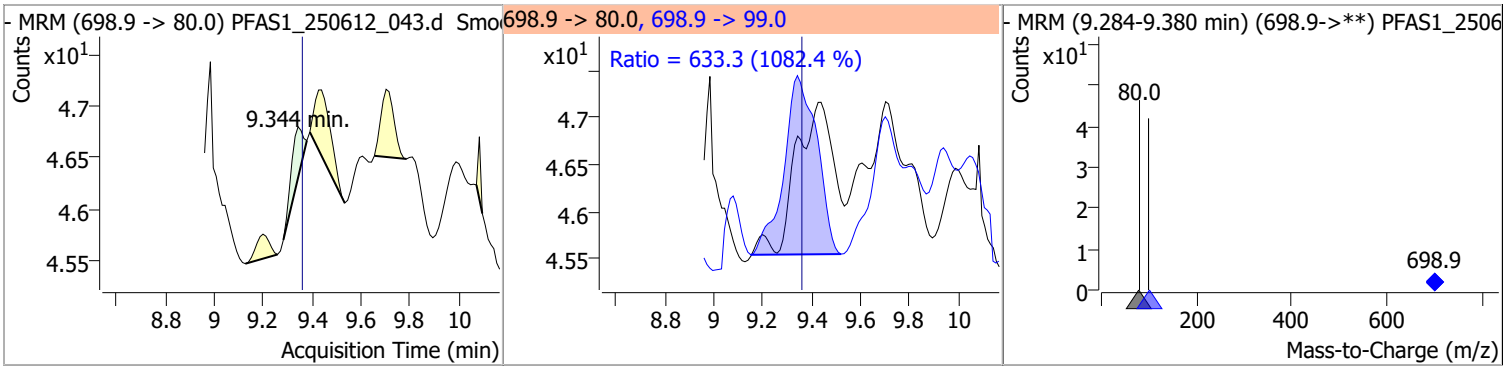
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8715	9.18	-0.01	73666				



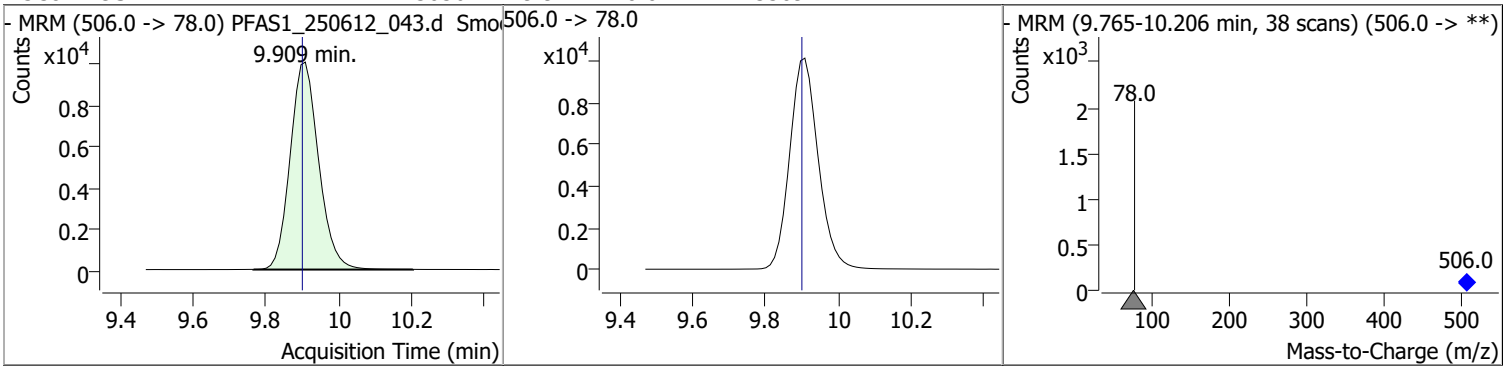
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0181	9.19	-0.01	207	712.9 -> 169.0		5.8	10.8



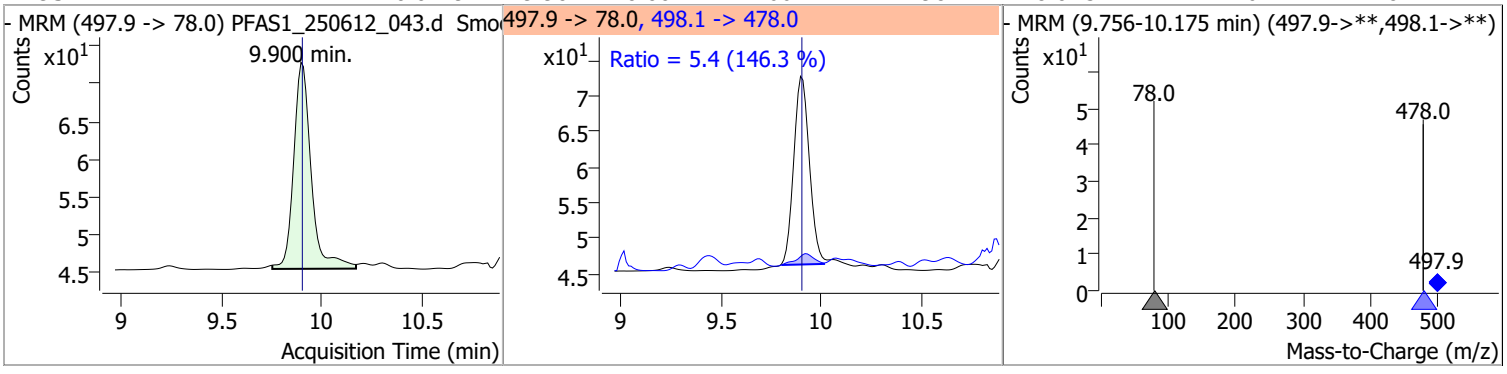
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0198	9.34	-0.01	3	698.9 -> 99.0	633.3	41.0	76.1



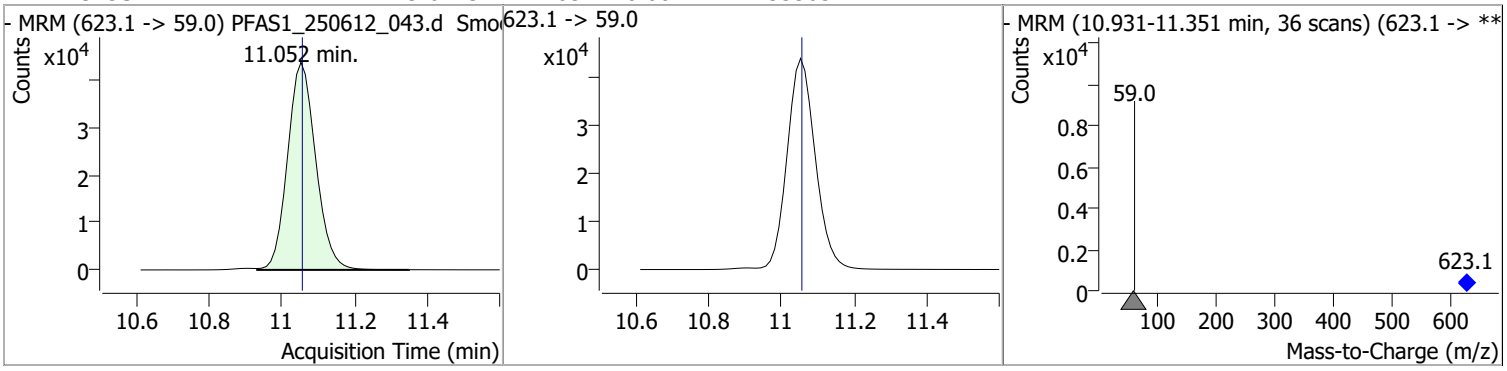
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3056	9.91	0.01	55092				



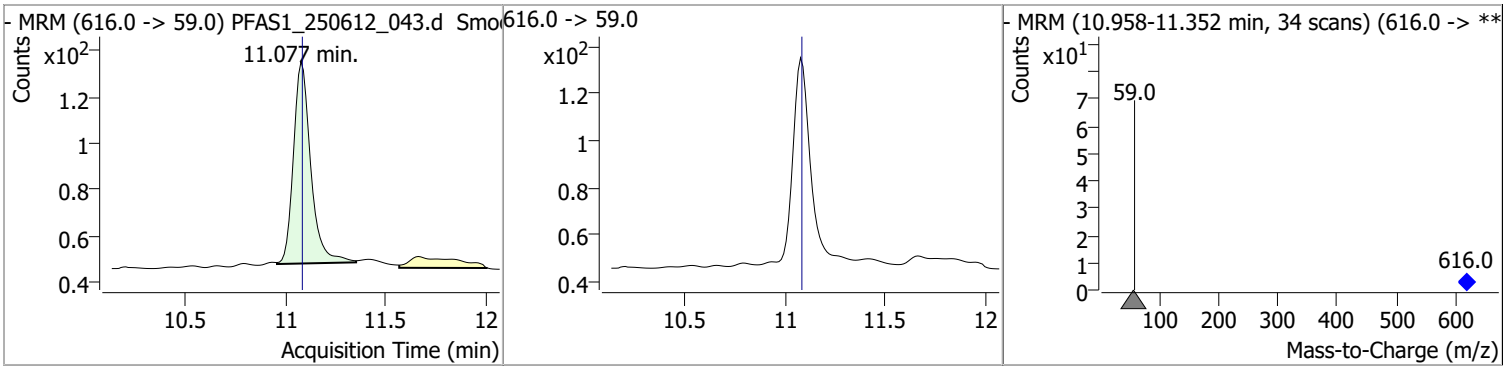
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0129	9.90	0.00	166	498.1 -> 478.0	5.4	2.6	4.8



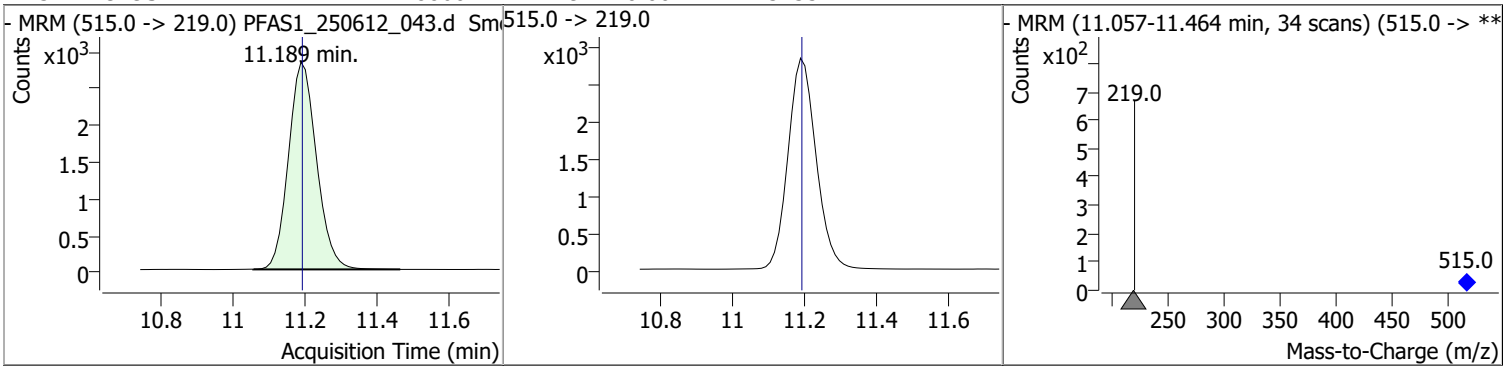
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.6713	11.05	0.00	235503				



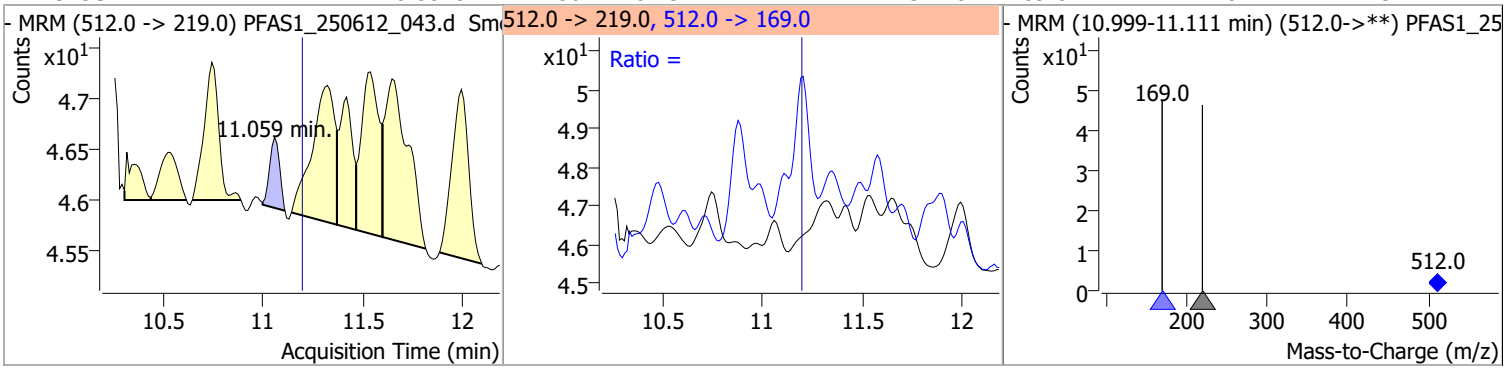
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.08	0.00	526				



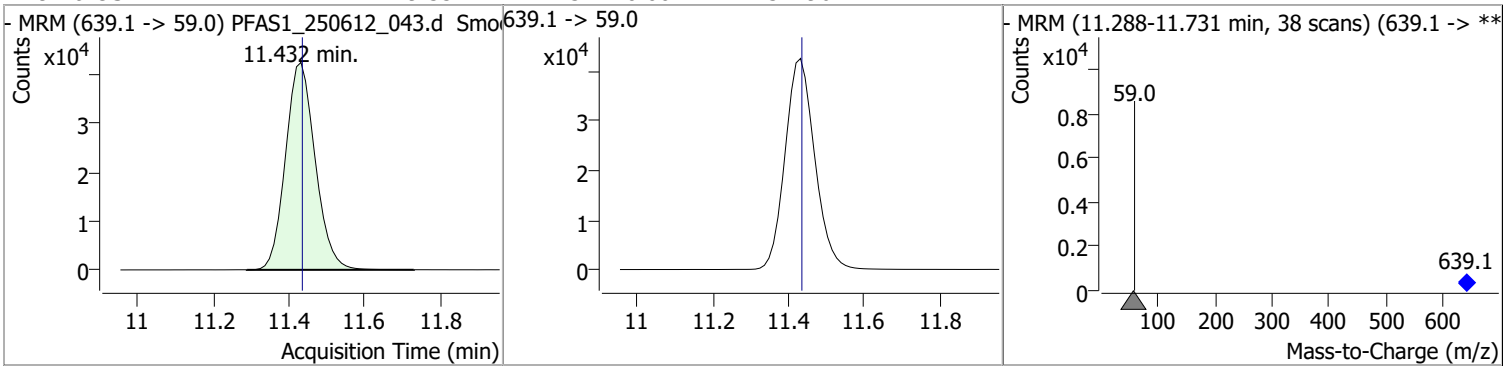
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	1.8860	11.19	0.00	15135				



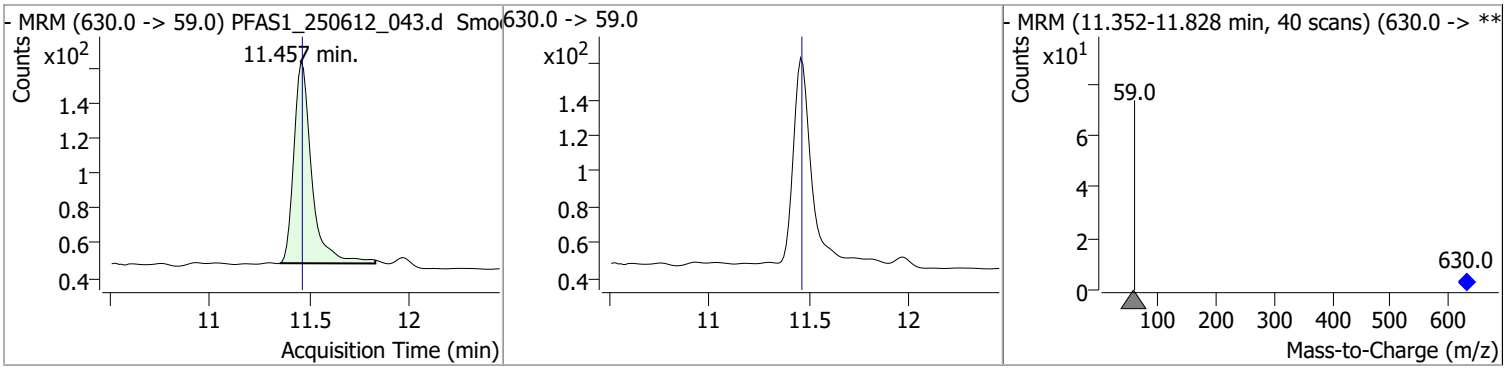
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0020	11.06	-0.13	2	512.0 -> 169.0		81.4	151.2



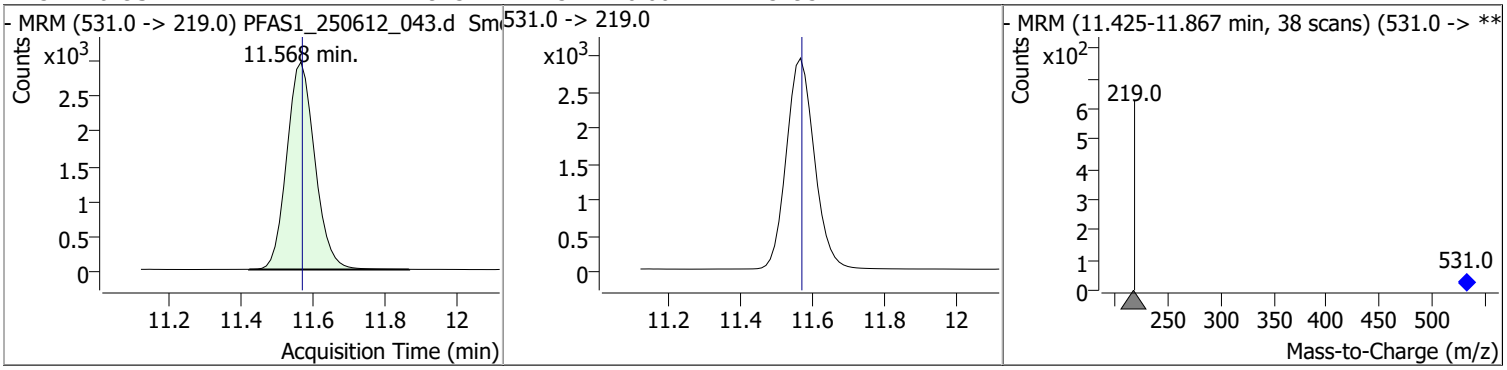
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	19.3547	11.43	0.00	231796				



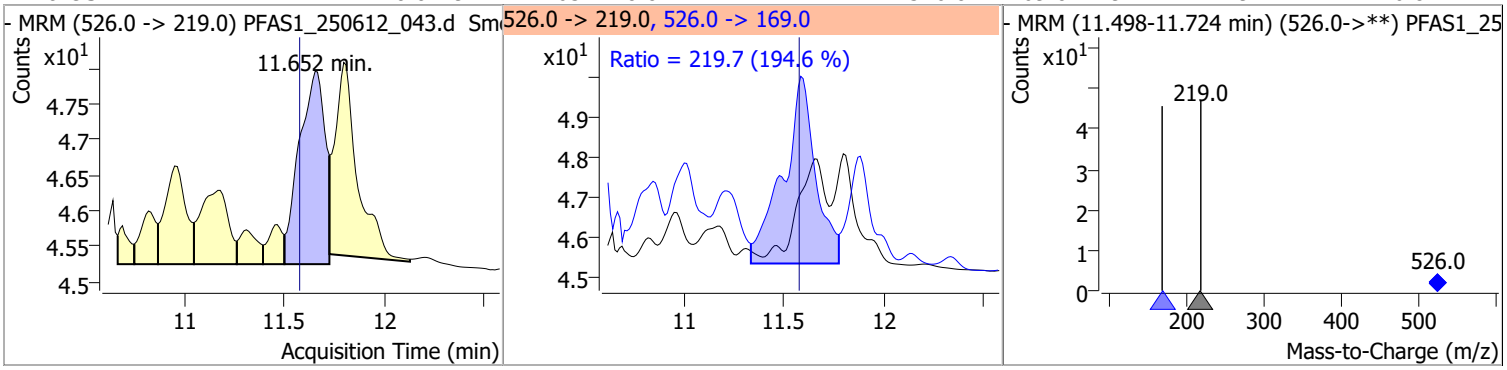
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	713				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	1.7913	11.57	0.00	15795				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0229	11.65	0.07	24	526.0 -> 169.0	219.7	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BLK1	File ID:	PFAS1_250612_029.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 20:26
		Preparation:	1633 Water	Dilution:	1

Batch: B25F0614 Sequence: S25F0493 Calibration: OF250075 Instrument: PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA		0.48	3.20	6.40	U
2706-90-3	PFPeA		0.14	1.60	3.20	U
307-24-4	PFHxA		0.13	0.80	1.60	U
375-85-9	PFHpA		0.16	0.80	1.60	U
335-67-1	PFOA	0.24	0.12	0.80	1.60	J
375-95-1	PFNA		0.09	0.80	1.60	U
335-76-2	PFDA		0.13	0.80	1.60	U
2058-94-8	PFUnA		0.19	0.80	1.60	U
307-55-1	PFDoA		0.11	0.80	1.60	U
72629-94-8	PFTrDA		0.07	0.80	1.60	U
376-06-7	PFTeDA		0.12	0.80	1.60	U
375-73-5	PFBS		0.19	0.71	1.42	U
2706-91-4	PFPeS		0.21	0.76	1.51	U
355-46-4	PFHxS		0.23	0.73	1.46	U
375-92-8	PFHpS		0.41	0.76	1.52	U
1763-23-1	PFOS		0.22	0.93	1.86	U
68259-12-1	PFNS		0.20	0.77	1.54	U
335-77-3	PFDS		0.14	0.77	1.54	U
79780-39-5	PFDoS		0.08	0.78	1.55	U
757124-72-4	4:2FTS		0.41	3.00	6.00	U
27619-97-2	6:2FTS		2.77	3.04	6.08	U
39108-34-4	8:2FTS		0.61	3.07	6.14	U
754-91-6	PFOSA		0.10	0.80	1.60	U
31506-32-8	NMeFOSA		0.26	0.80	1.60	U
4151-50-2	NEtFOSA		0.31	0.80	1.60	U
2355-31-9	NMeFOSAA		0.44	0.80	1.60	U

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BLK1	File ID:	PFAS1_250612_029.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 20:26
		Preparation:	1633 Water	Dilution:	1

Batch: B25F0614 Sequence: S25F0493 Calibration: OF250075 Instrument: PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA		0.29	0.80	1.60	U
24448-09-7	NMeFOSE		1.01	8.00	16.0	U
1691-99-2	NEtFOSE		1.26	8.00	16.0	U
13252-13-6	HFPO-DA		0.41	1.60	3.20	U
919005-14-4	ADONA		0.15	1.51	3.02	U
756426-58-1	9CL-PF3ONS		0.18	1.50	2.99	U
763051-92-9	11CL-PF3OUdS		0.31	1.51	3.02	U
356-02-5	3:3FTCA		0.66	3.20	6.40	U
914637-49-3	5:3FTCA		3.66	16.0	32.0	U
812-70-4	7:3FTCA		3.06	16.0	32.0	U
113507-82-7	PFEESA		0.17	1.42	2.85	U
377-73-1	PFMPA		0.11	1.60	3.20	U
863090-89-5	PFMBA		0.12	1.60	3.20	U
151772-58-6	NFDHA		0.45	1.60	3.20	U

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_029.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:26:04 PM
Sample Name	B25F0614-BLK1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

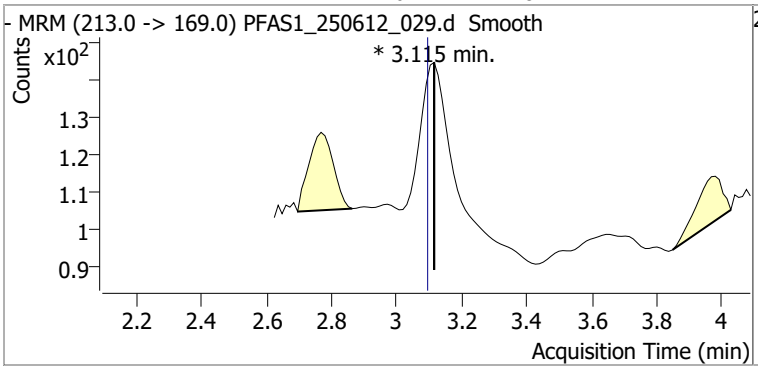
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168590	5.0000	µg/L	6.583
13C2-PFHxA	5.491	315.0 -> 270.0	183901	2.5000	µg/L	2.924
18O2-PFHxS	6.808	403.0 -> 84.0	23834	2.5000	µg/L	1.418
13C4-PFOA	6.663	417.0 -> 172.0	21228	2.5000	µg/L	5.116
13C5-PFNA	7.125	468.0 -> 423.0	124184	1.2500	µg/L	3.765
13C2-PFDA	7.576	515.0 -> 470.0	126826	1.2500	µg/L	1.355
13C4-PFOS	7.757	503.0 -> 80.0	25825	2.5000	µg/L	3.443
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20362	5.0000	µg/L	26.356
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 125.24%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C3-PFBS	5.505	302.0 -> 80.0	42624	2.5000	µg/L	-0.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.80%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213377	10.0000	µg/L	-3.829
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 93.41%		
13C4-PFHpA	6.142	367.0 -> 322.0	207670	2.5000	µg/L	-2.593
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12919	5.0000	µg/L	14.559
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.39%		
13C8-PFOA	6.662	421.0 -> 376.0	224606	2.5000	µg/L	-0.571
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.51%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C9-PFNA	7.125	472.0 -> 427.0	122455	1.2500	µg/L	-0.201
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.20%		
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L	-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C6-PFDA	7.575	519.0 -> 474.0	131621	1.2500	µg/L	-0.965

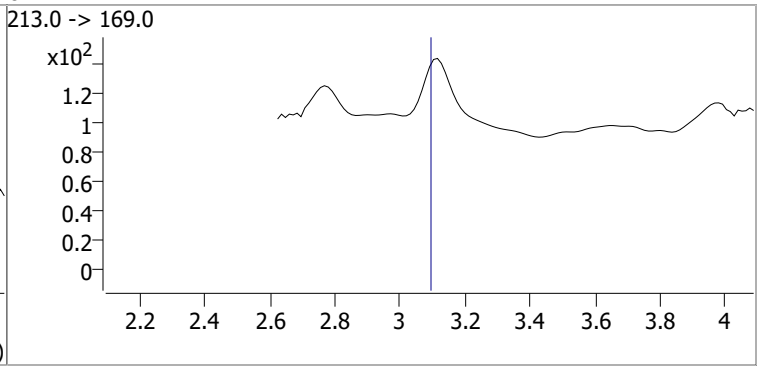
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.77%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	88672	5.0000	µg/L		-4.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.97%			
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L		-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71758	5.0000	µg/L		-3.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.88%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115592	1.2500	µg/L		0.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.89%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	81200	1.2500	µg/L		-17.983
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.86%			
13C2-PFDoDA	8.424	615.0 -> 570.0	95019	1.2500	µg/L		-5.218
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.45%			
13C2-PFTDA	9.197	715.0 -> 670.0	67380	1.2500	µg/L		-31.073
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 67.95%			
13C8-PFOSA	9.909	506.0 -> 78.0	52350	2.5000	µg/L		-4.286
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.33%			
2H7-MeFOSE	11.052	623.1 -> 59.0	226102	25.0000	µg/L		-17.694
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.59%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16515	2.5000	µg/L		-10.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.73%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227855	25.0000	µg/L		-17.076
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.18%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17637	2.5000	µg/L		-12.675
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
Target Compounds							QValue
PFBA	3.115	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.806	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.946	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.608	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	5.078	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.402	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.492	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.507	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.753	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.144	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.312	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.345	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	1231	0.0240	µg/L		95
PFHxS	6.798	398.9 -> 80.0	142	0.0067	µg/L	#	67
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.355	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.456	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.463	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.576	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.716	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.758	498.9 -> 80.0	247	0.0000	µg/L		96
N-EtFOSAA	7.927	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	8.146	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.618	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.829	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.903	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.198	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.332	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.912	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.089	616.0 -> 59.0	395	0.0000	µg/L		100
N-MeFOSA	11.238	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.469	630.0 -> 59.0	445	0.0000	µg/L		100
N-EtFOSA	11.605	526.0 -> 219.0	0	0.0000	µg/L	md	

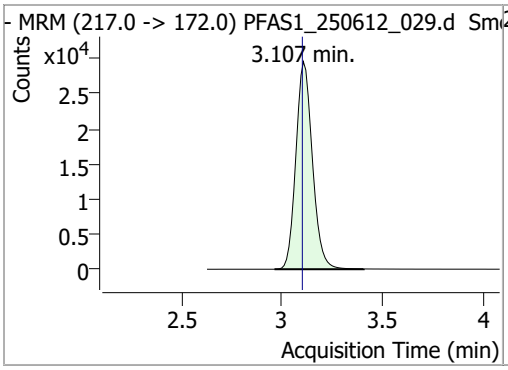
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

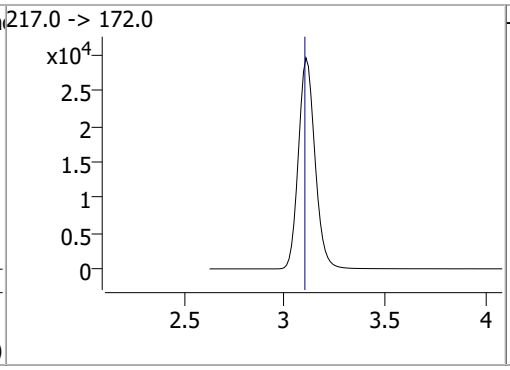
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

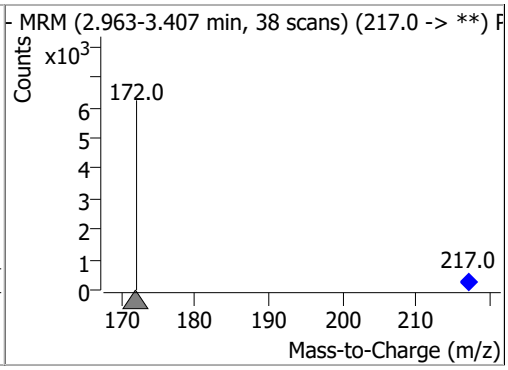




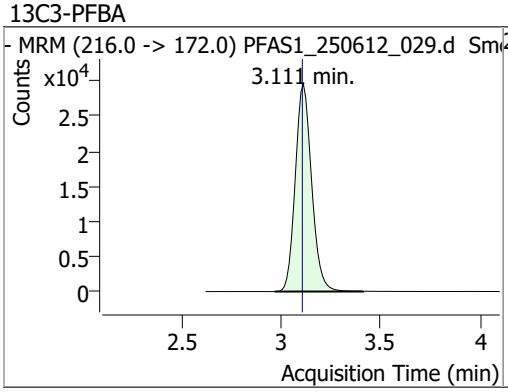
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.3421	3.11	0.01	169013				

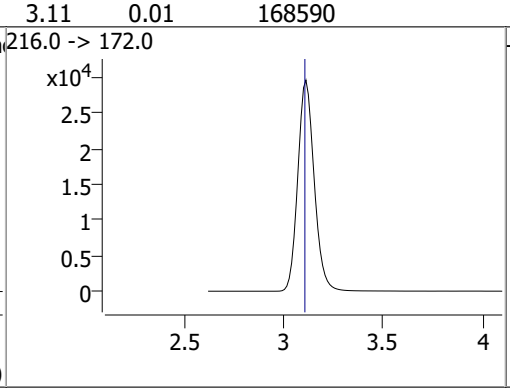


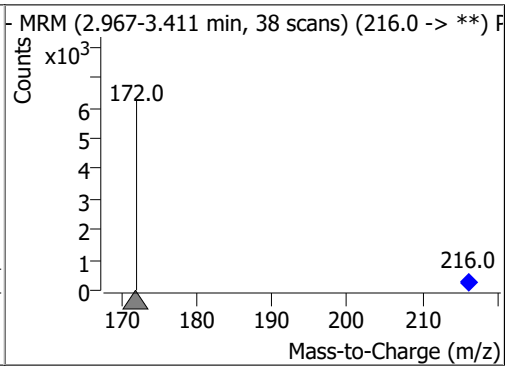




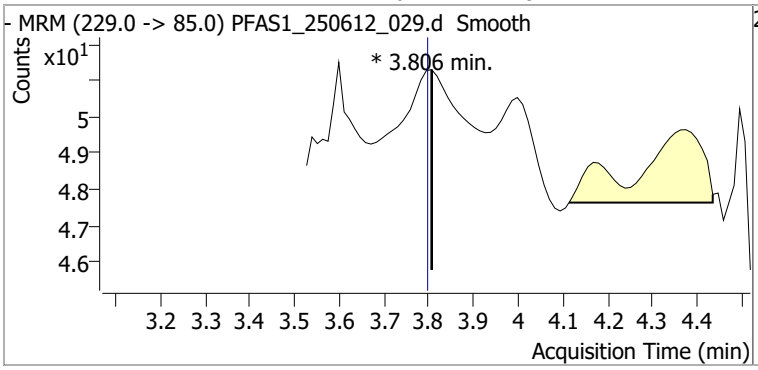
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	168590				

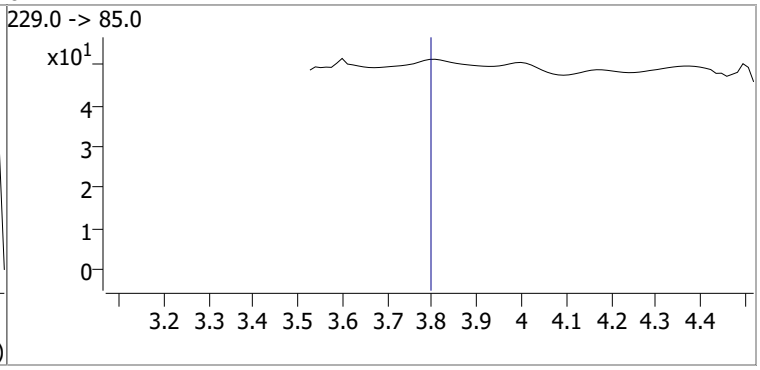




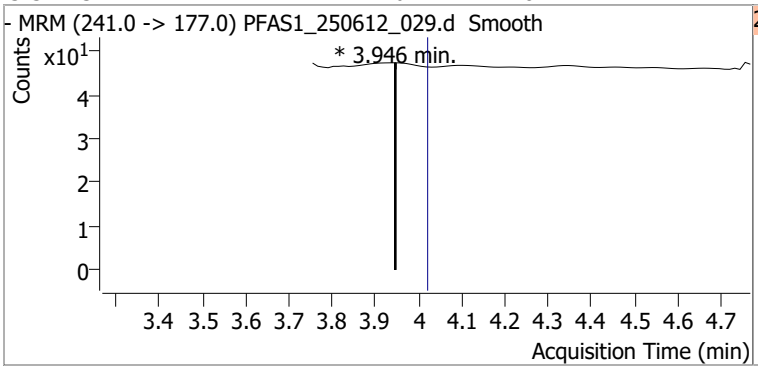


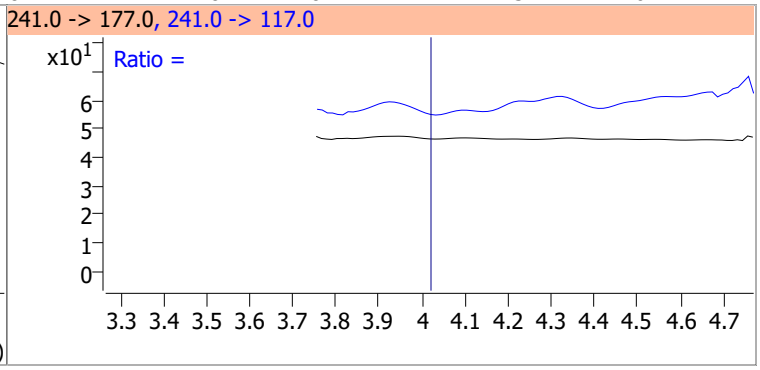
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



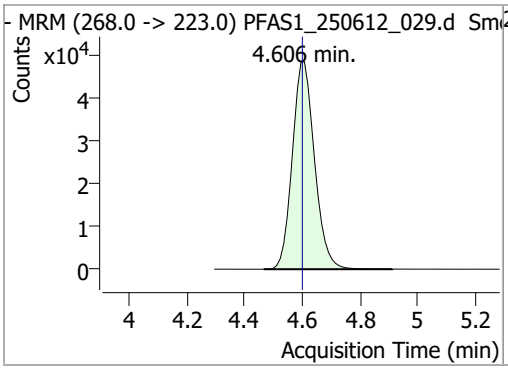


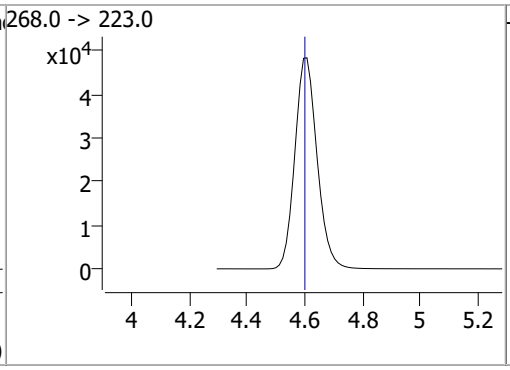
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

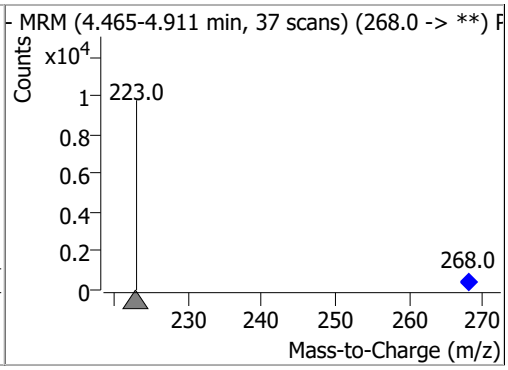




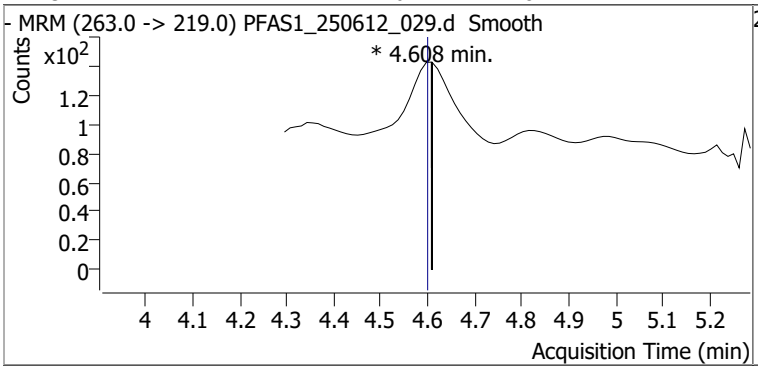
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6560	4.61	0.01	258462				

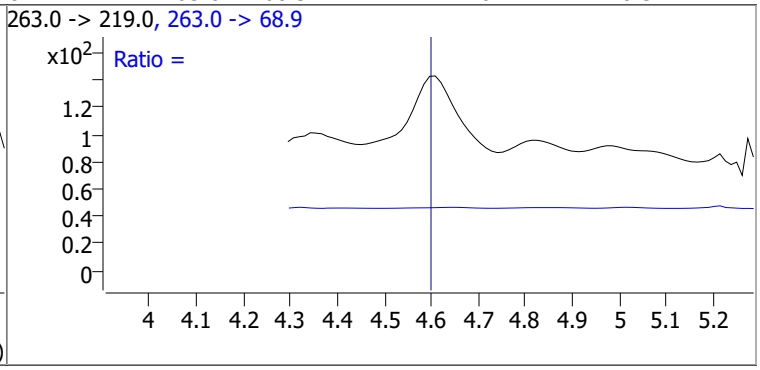




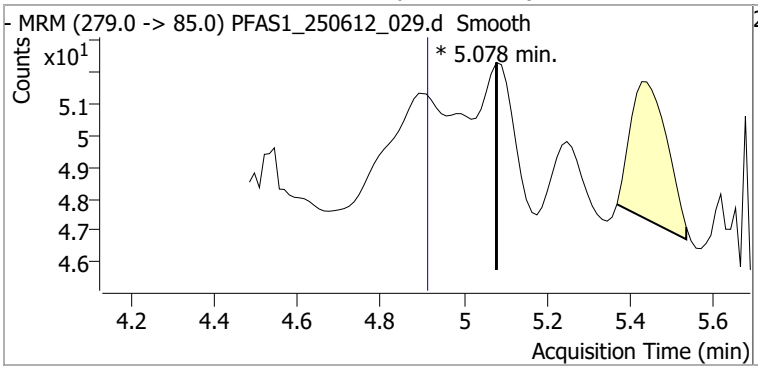


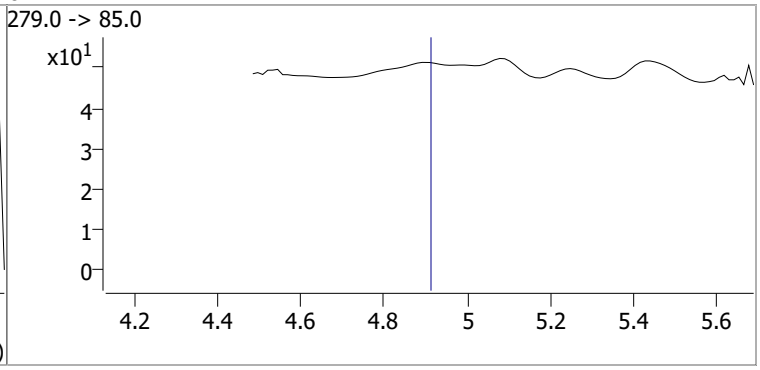
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



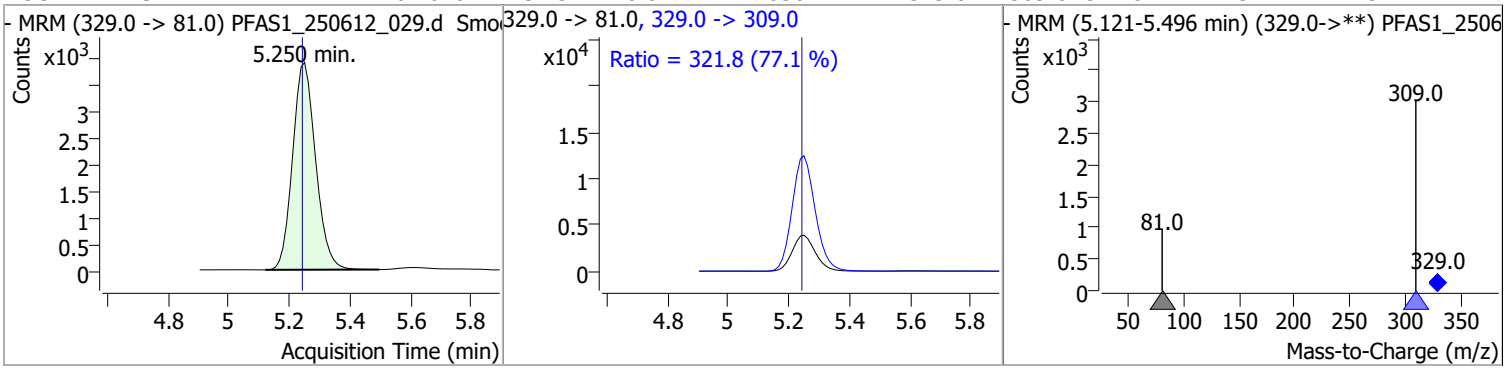


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

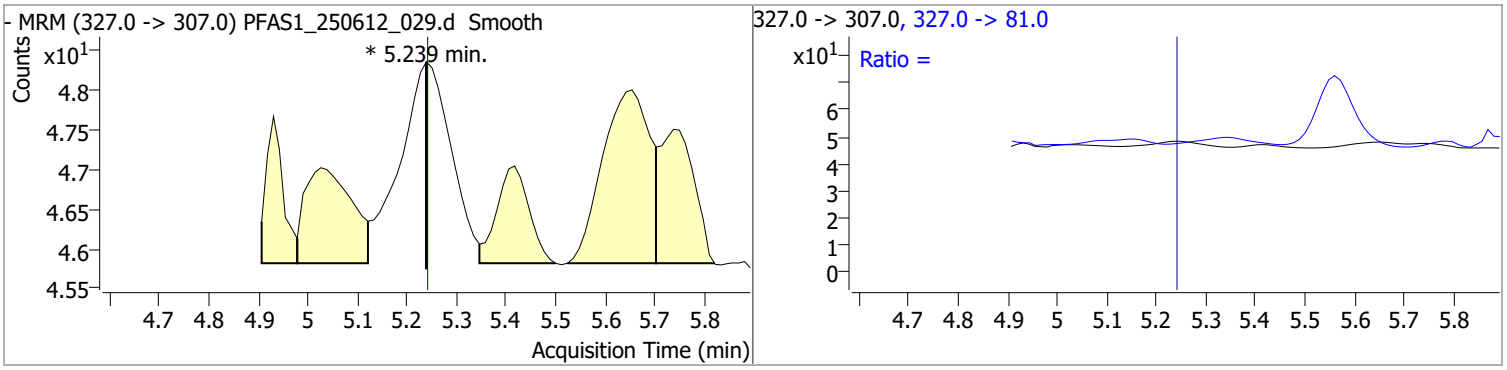




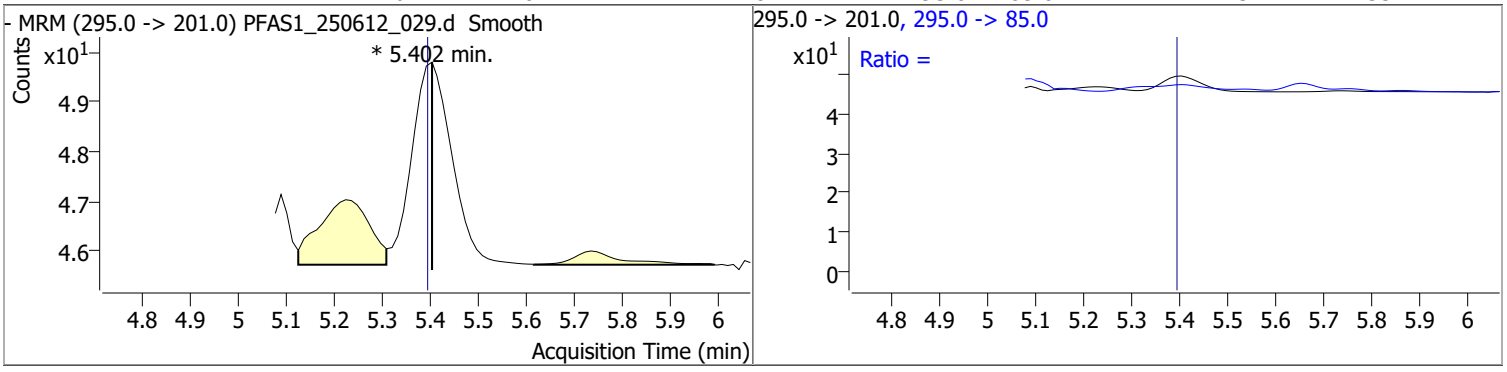
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2620	5.25	0.01	20362	329.0 -> 309.0	321.8	292.1	542.4



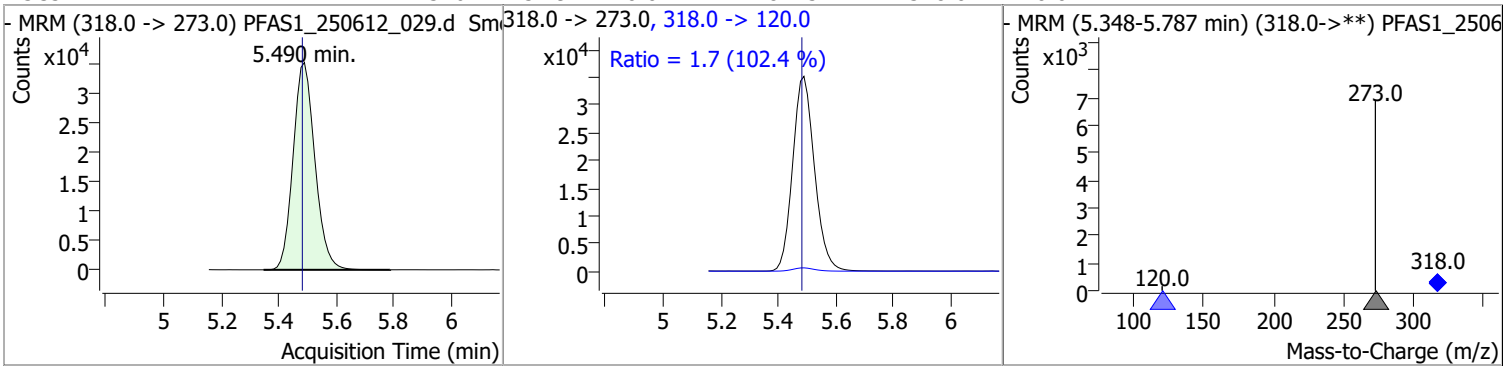
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



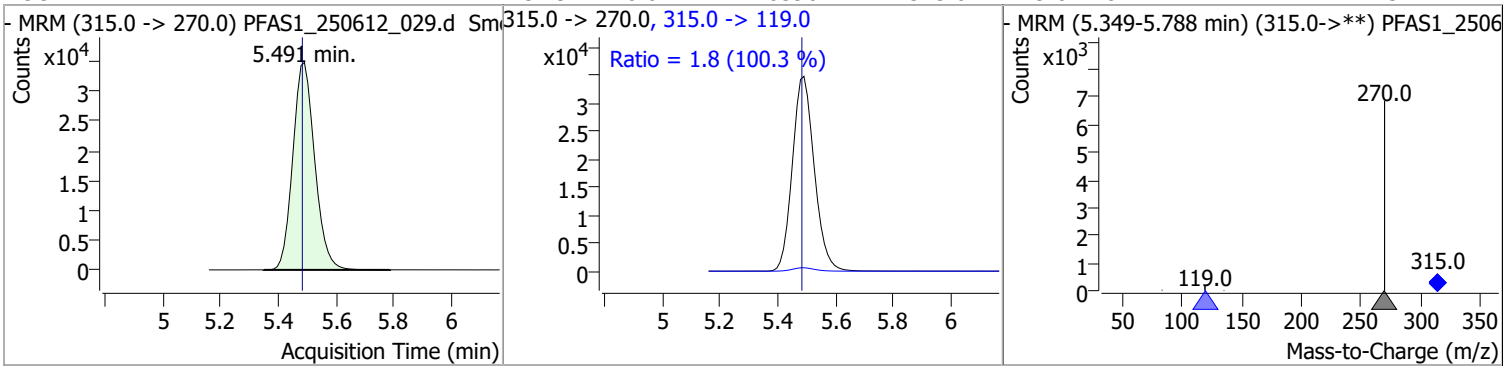
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



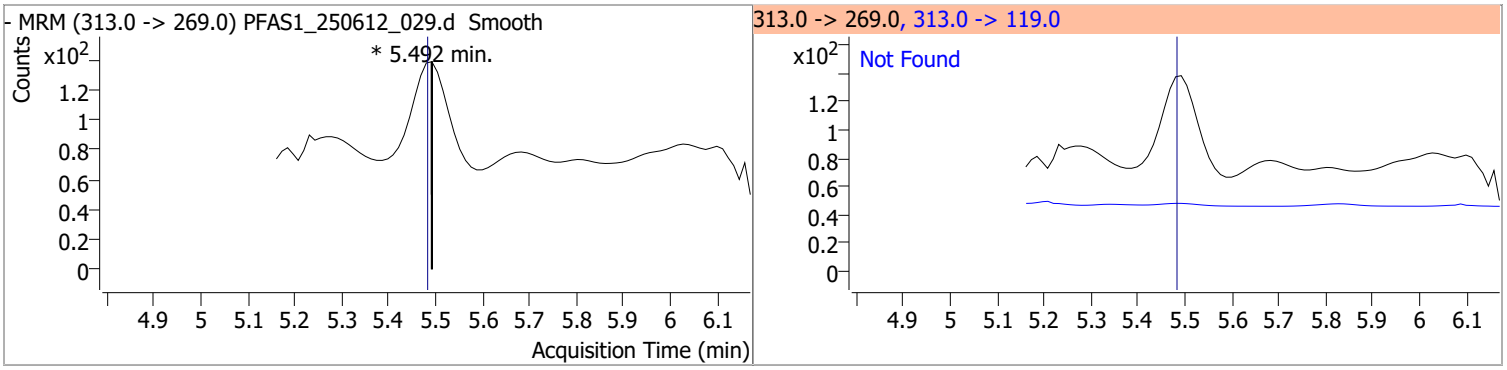
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4346	5.49	0.01	184457	318.0 -> 120.0	1.7	1.1	2.1



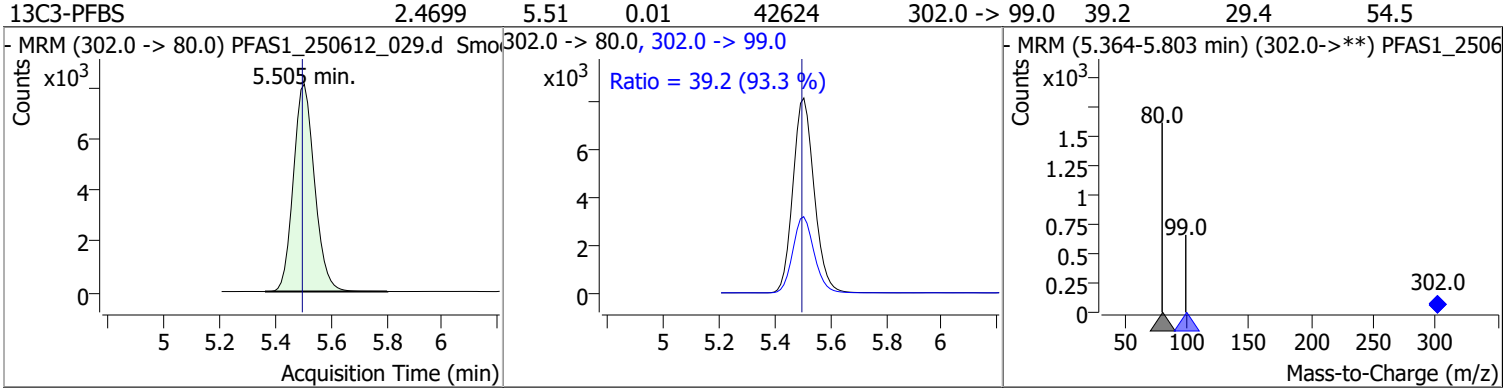
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	183901	315.0 -> 119.0	1.8	1.2	2.3



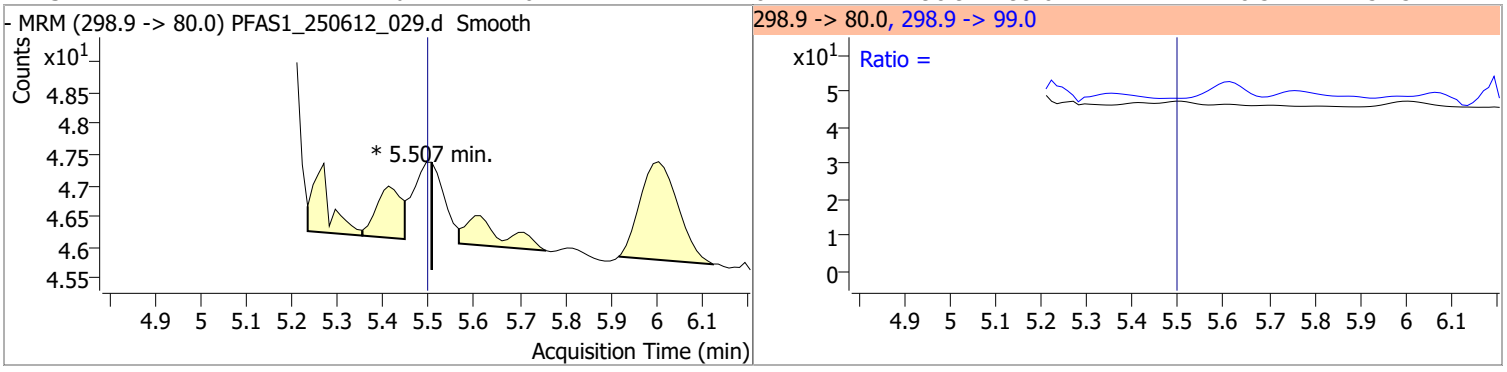
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



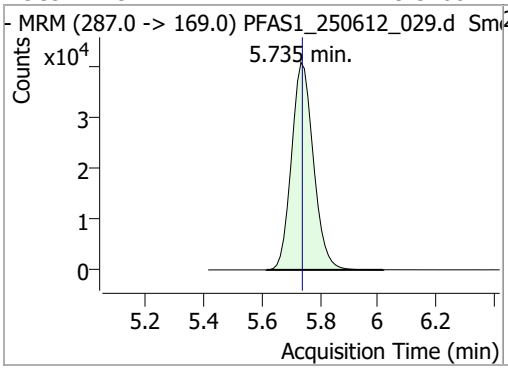
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4699	5.51	0.01	42624	302.0 -> 99.0	39.2	29.4	54.5

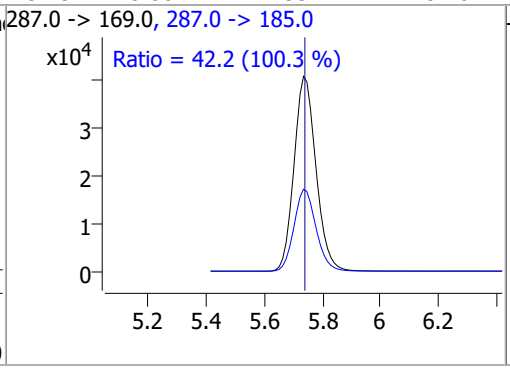


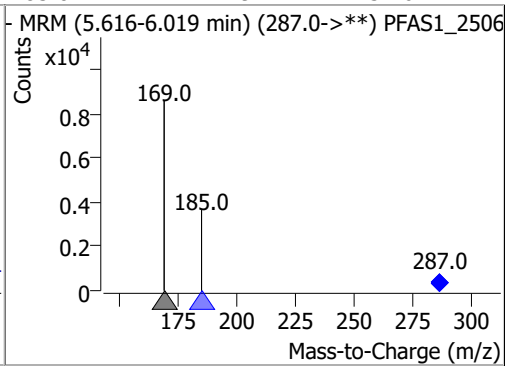
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



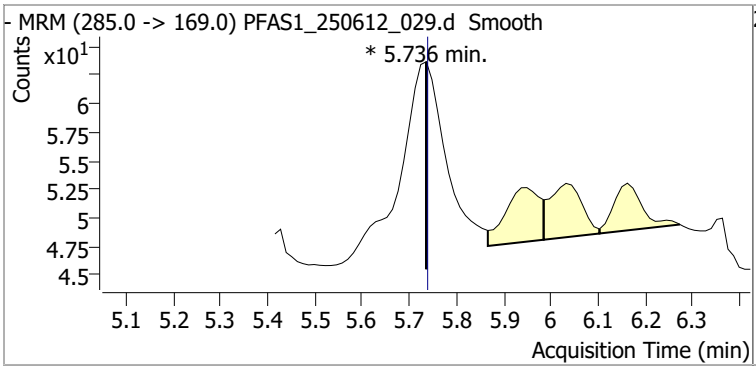
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.3408	5.73	0.00	213377	287.0 -> 185.0	42.2	29.4	54.6

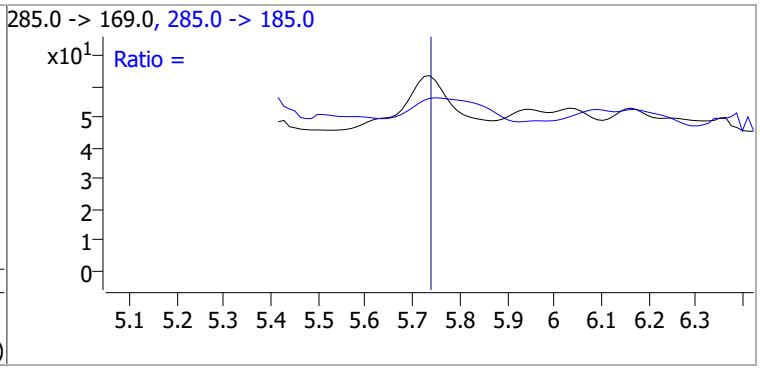




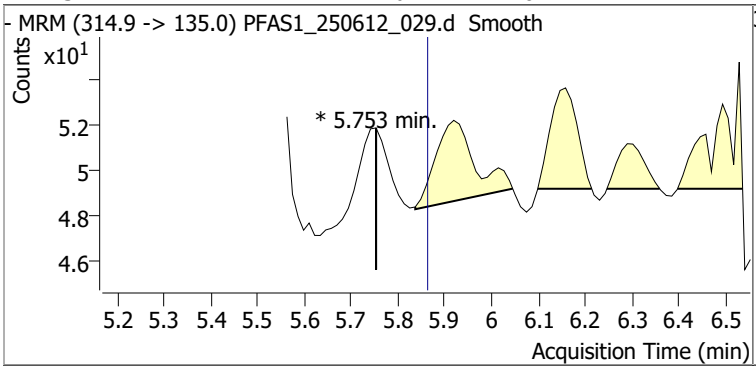


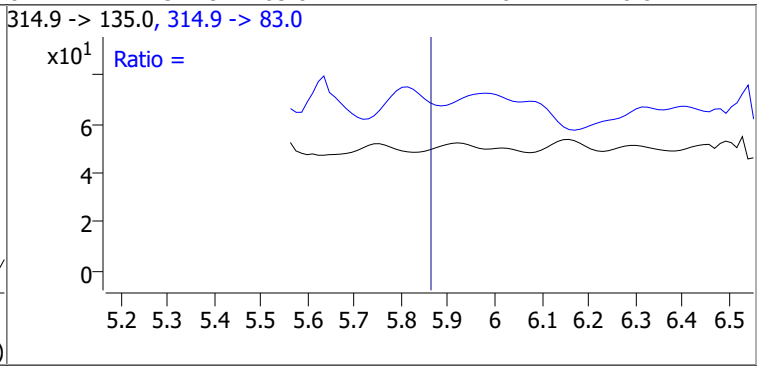
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



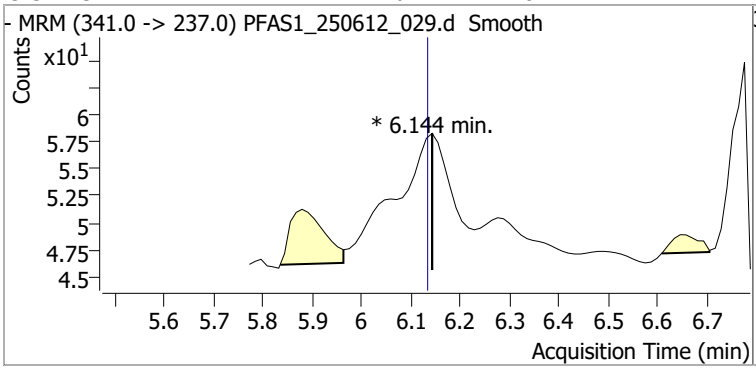


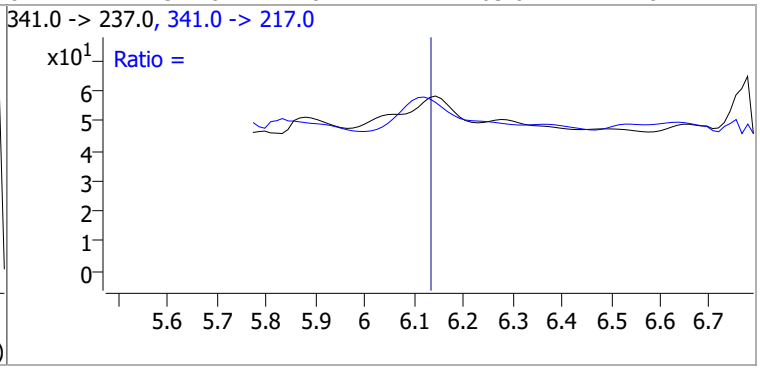
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



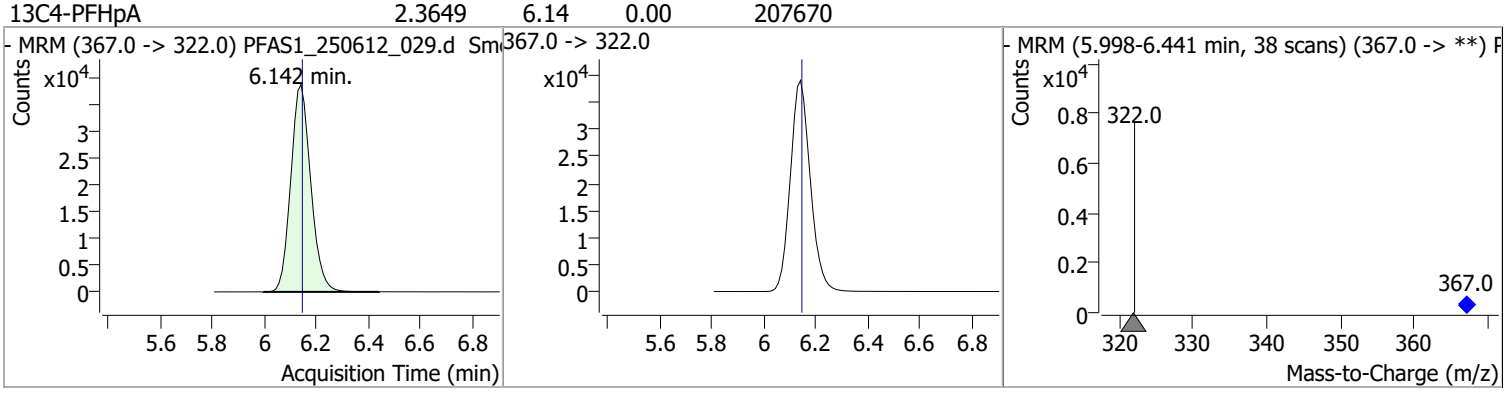


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

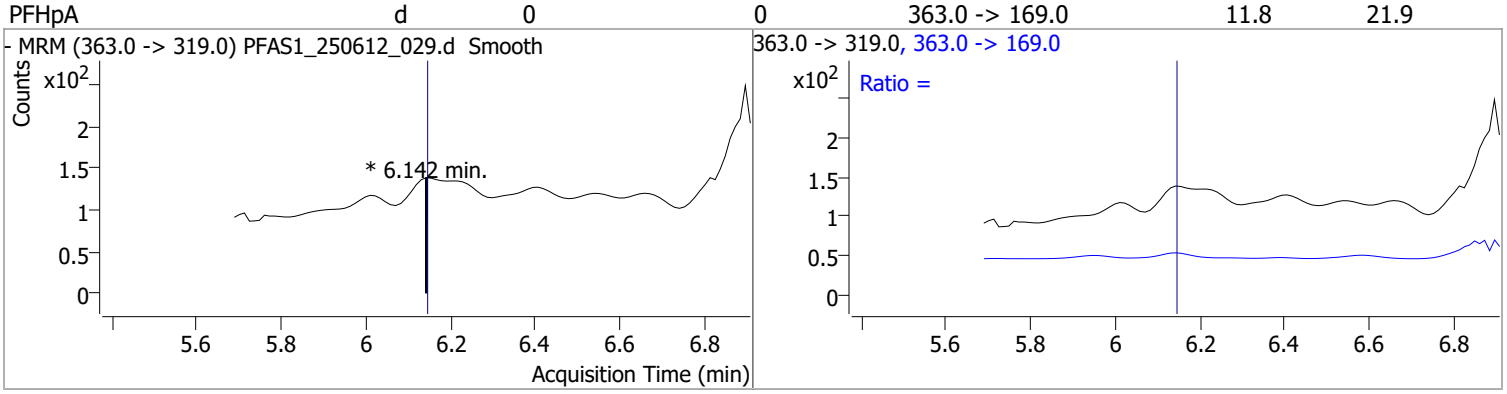




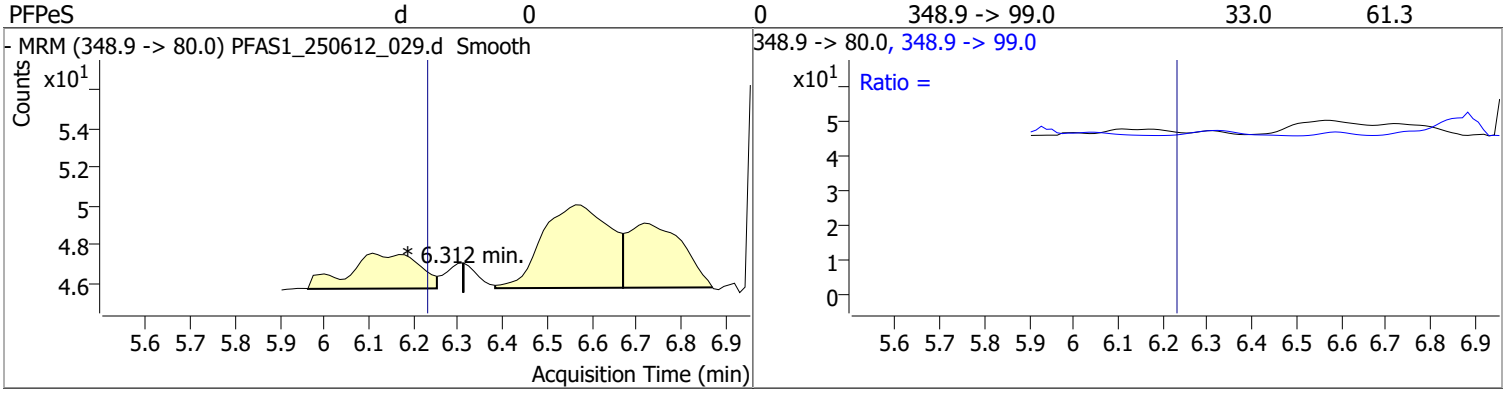
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3649	6.14	0.00	207670				



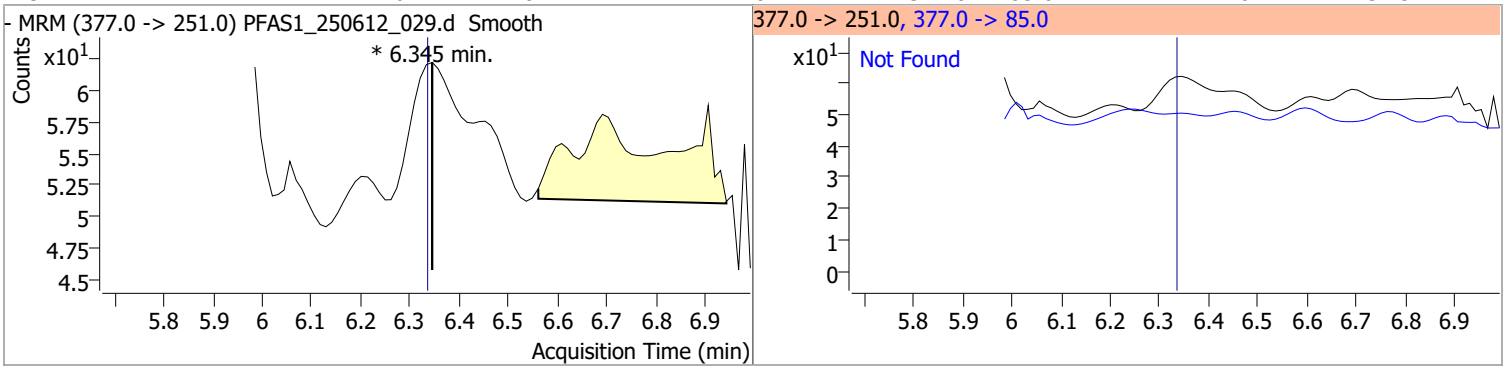
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



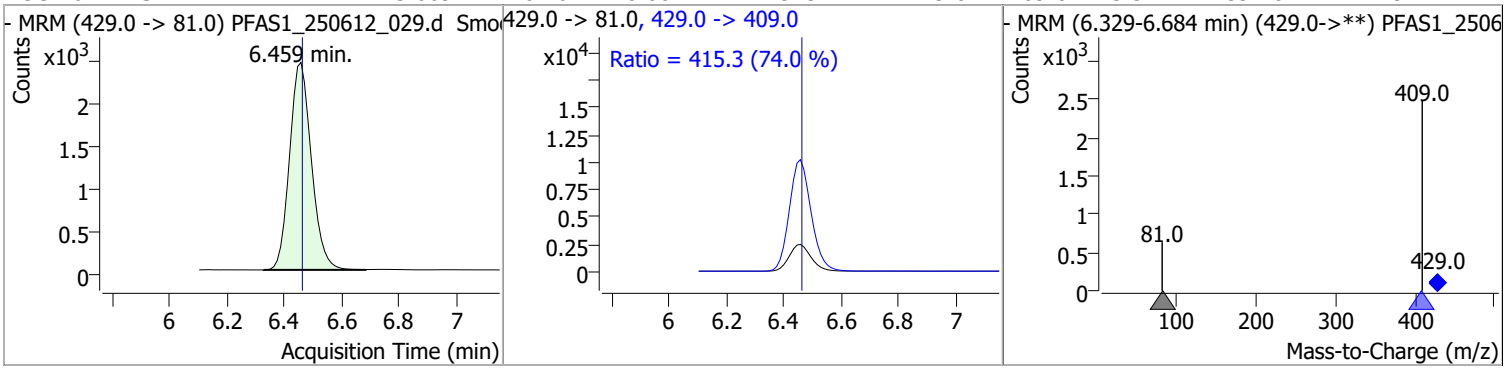
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



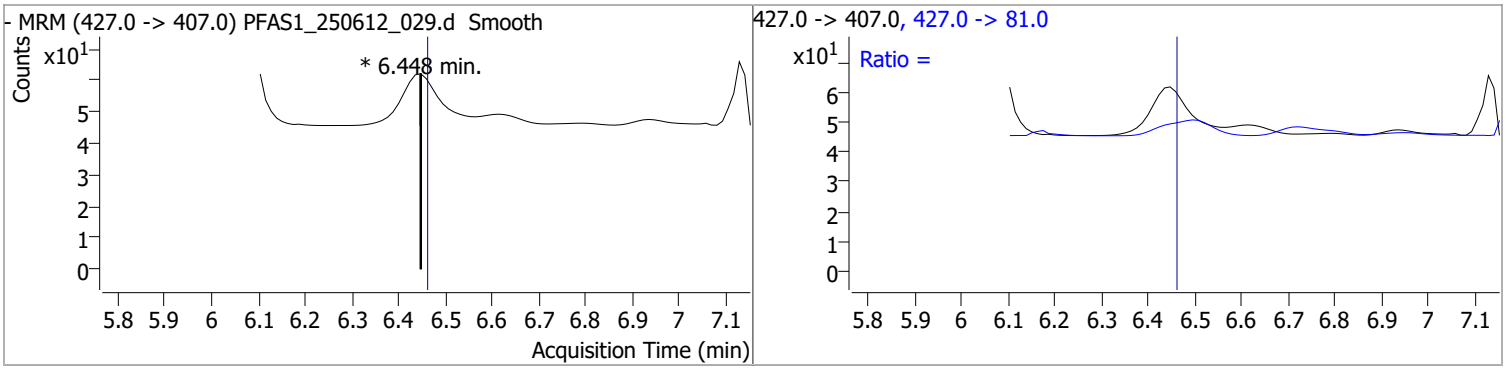
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



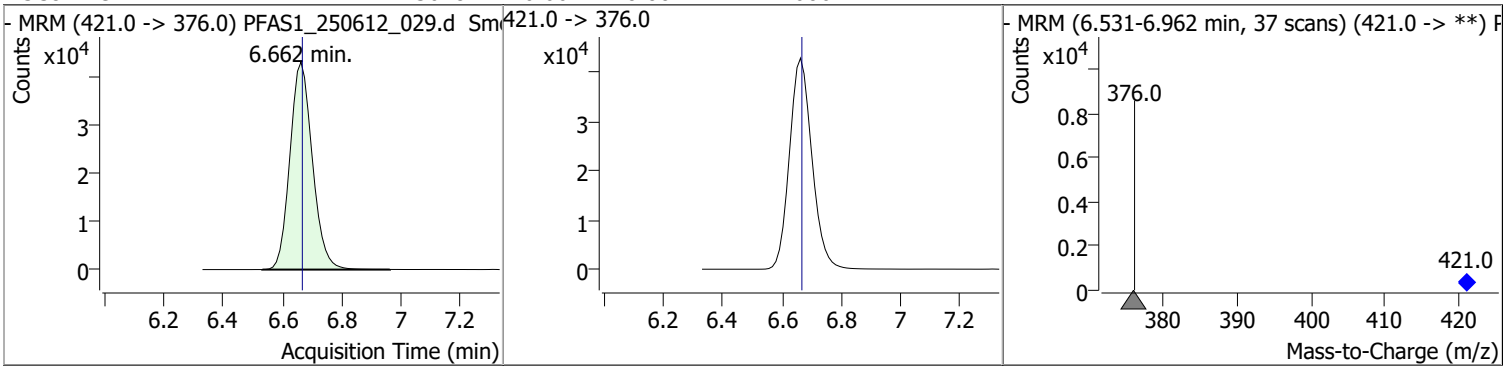
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6697	6.46	0.00	12919	429.0 -> 409.0	415.3	392.8	729.4



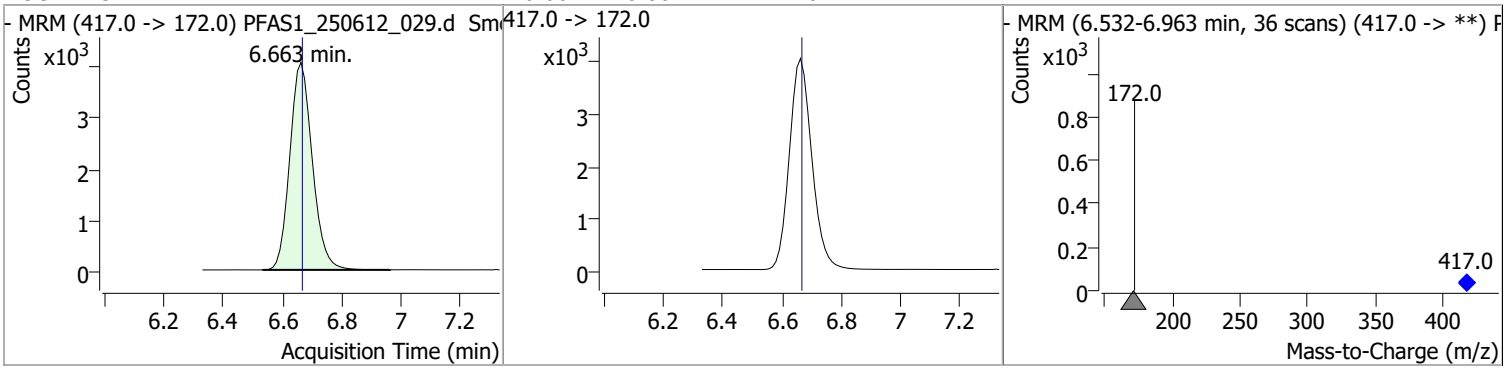
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



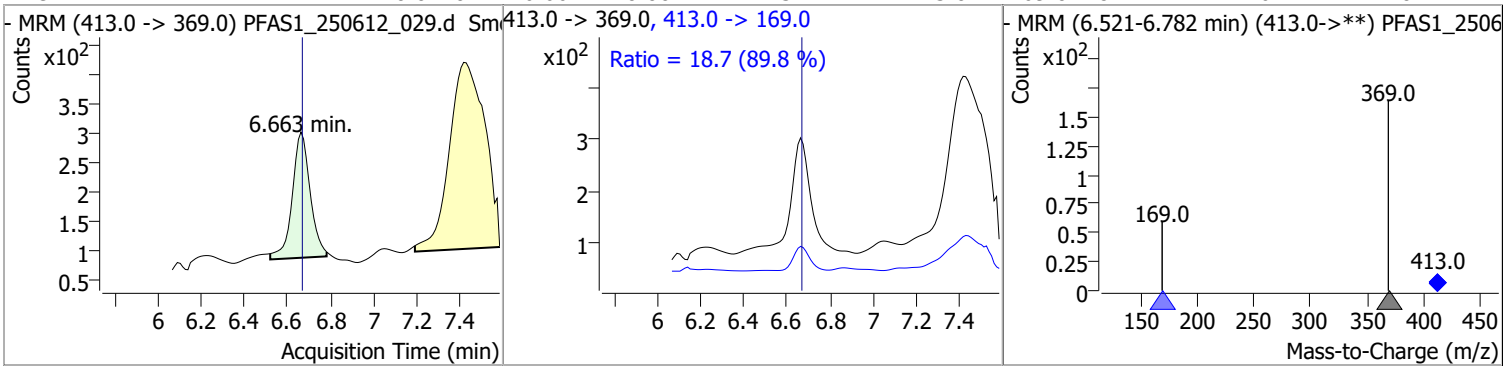
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3628	6.66	0.00	224606				



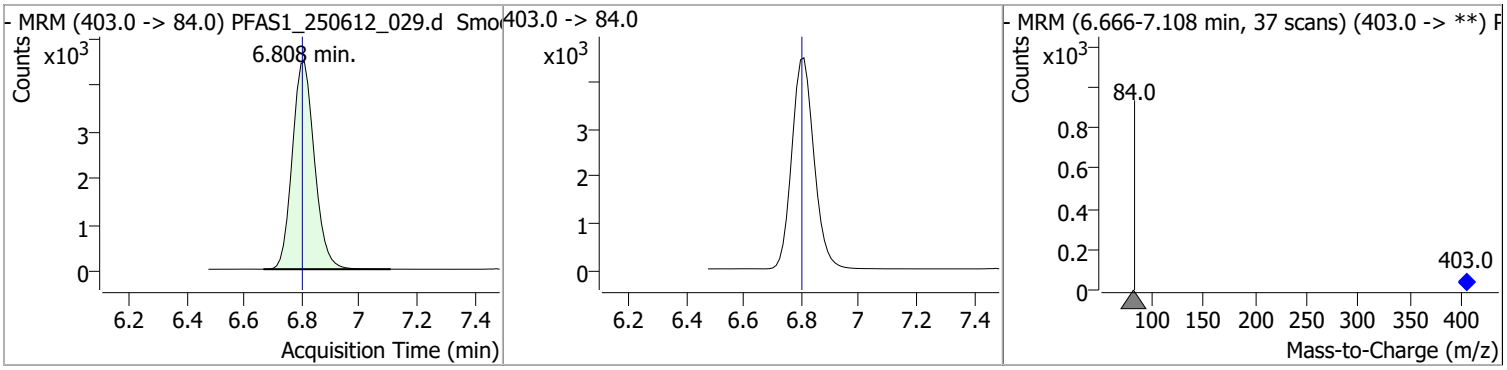
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21228				



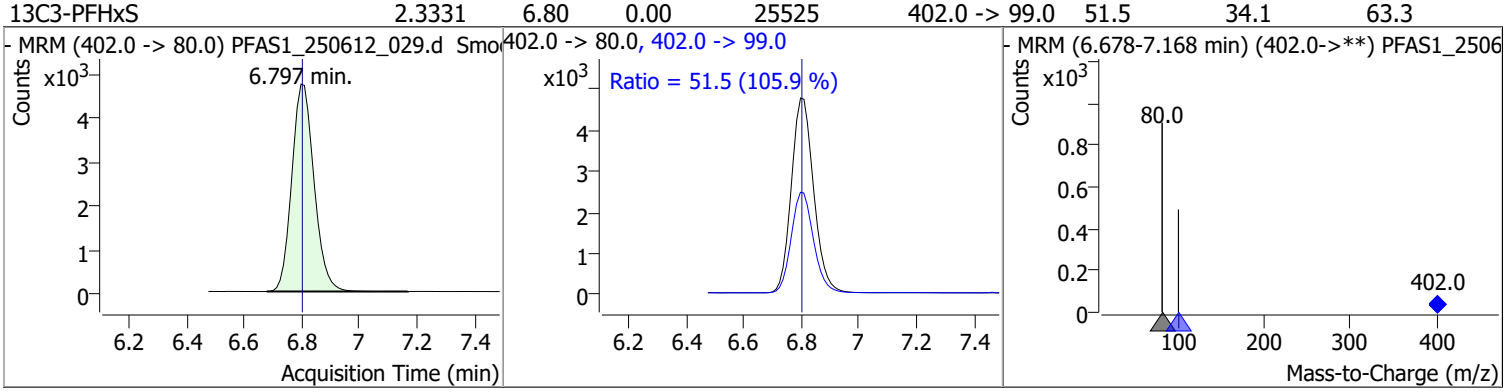
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0240	6.66	0.00	1231	413.0 -> 169.0	18.7	14.6	27.0



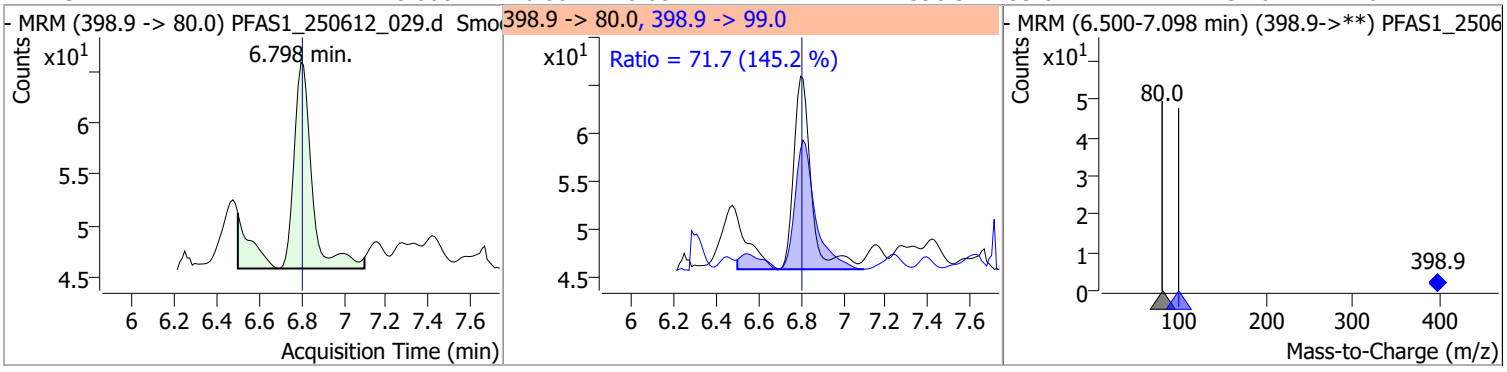
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	23834				



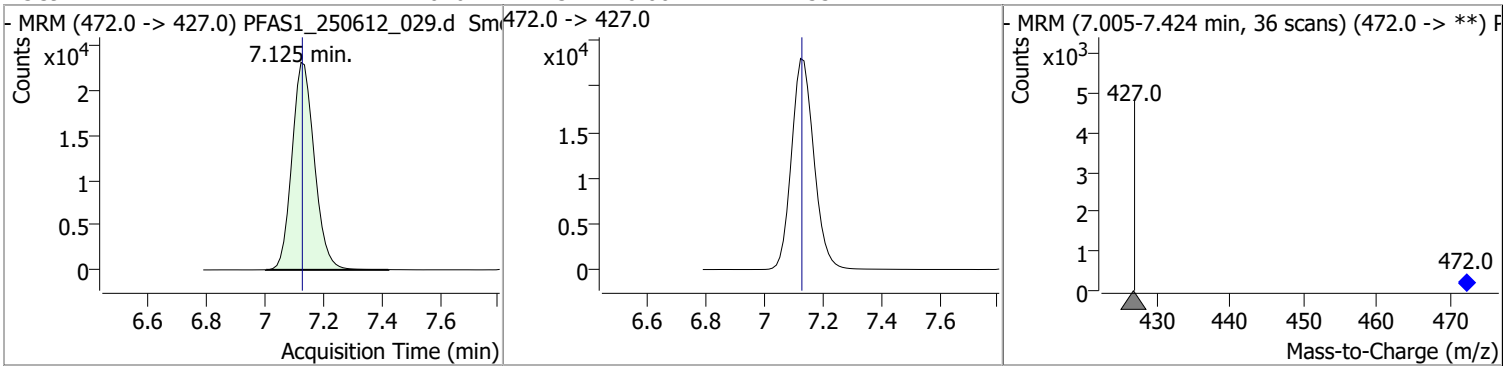
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3331	6.80	0.00	25525	402.0 -> 99.0	51.5	34.1	63.3



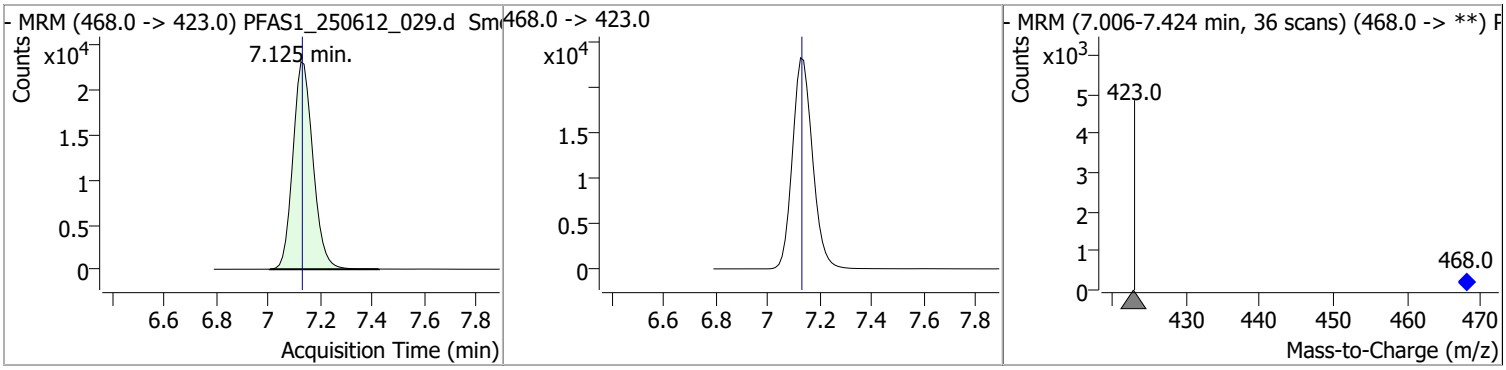
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	142	398.9 -> 99.0	71.7	34.6	64.2



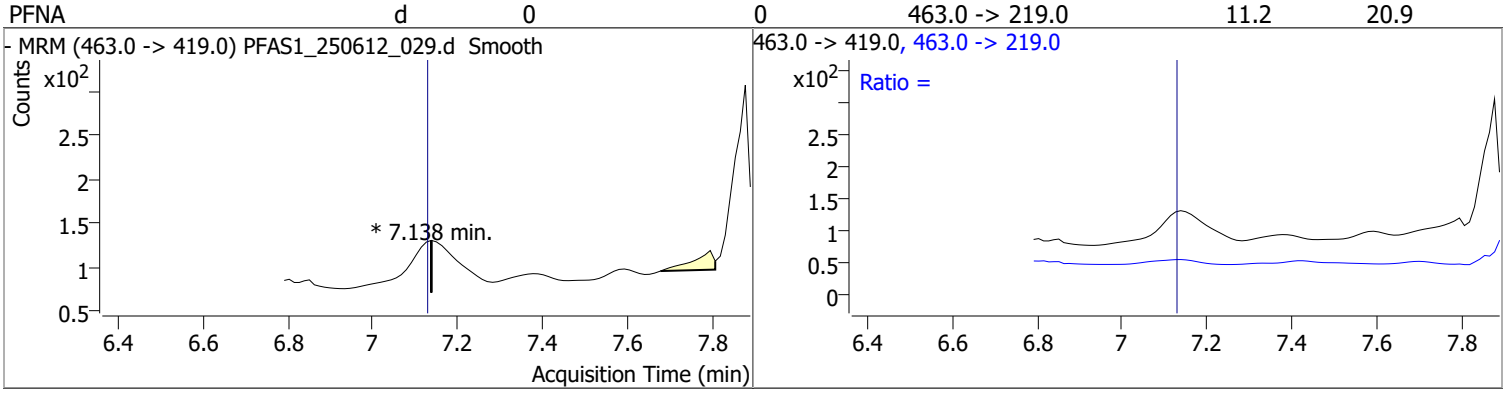
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2026	7.13	0.00	122455				



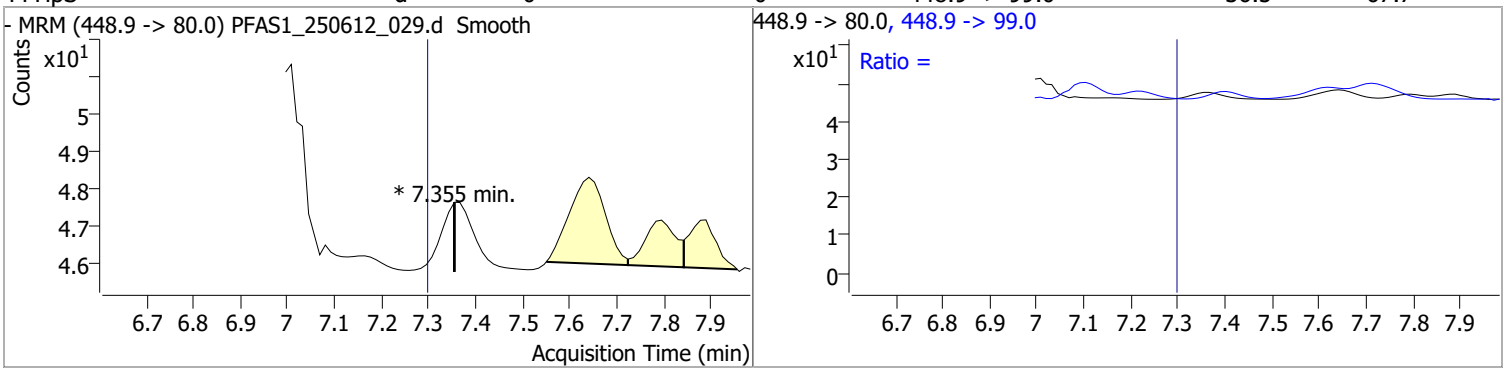
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	124184				



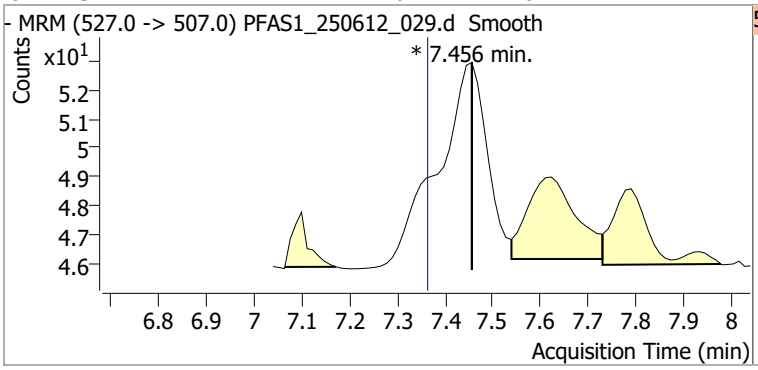
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

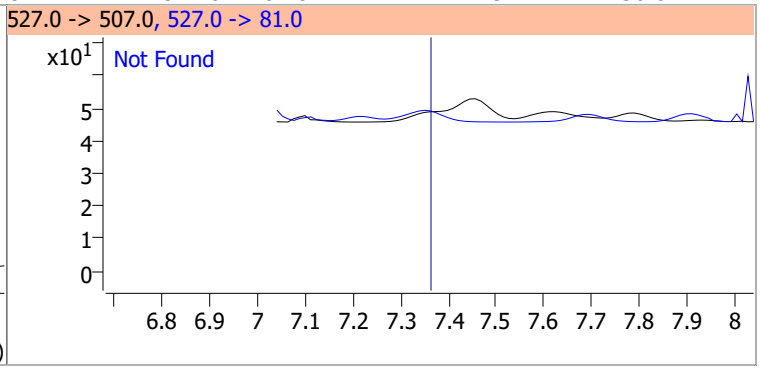


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

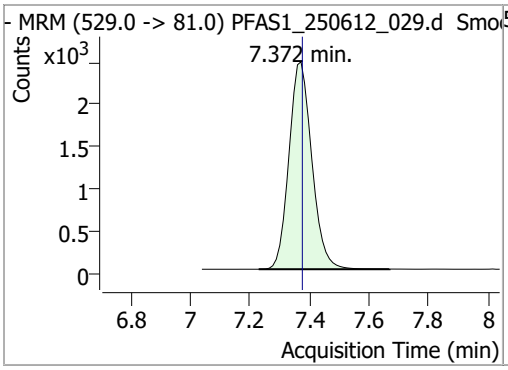


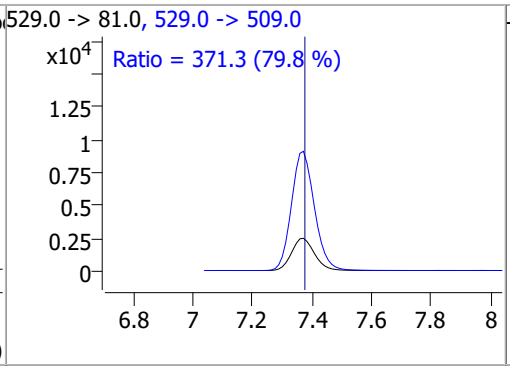
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

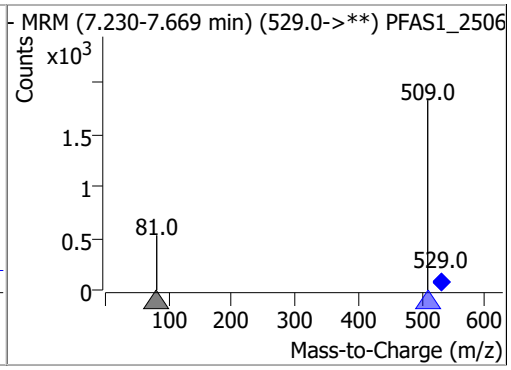




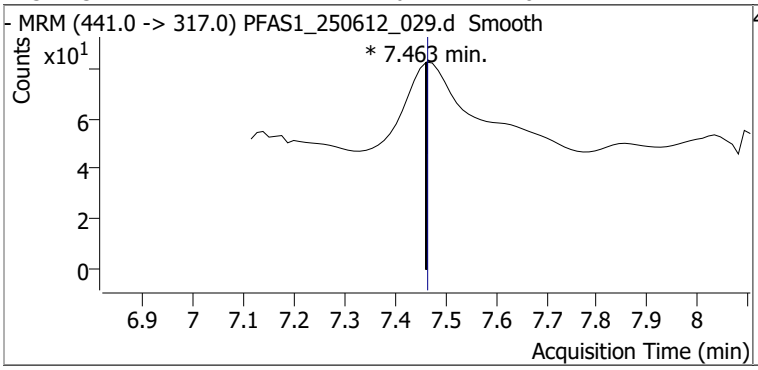
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2409	7.37	0.00	13076	529.0 -> 509.0	371.3	325.6	604.6

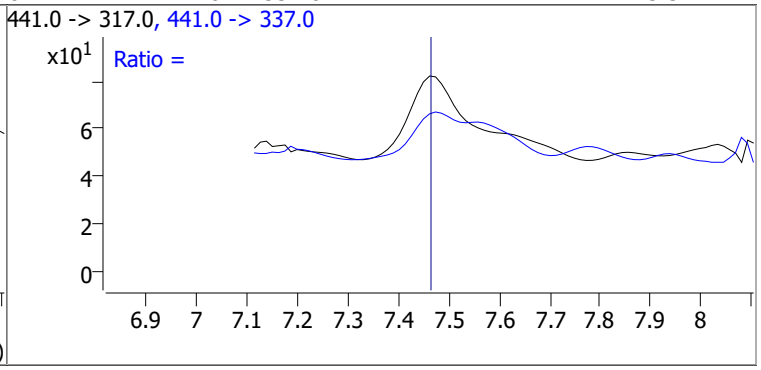




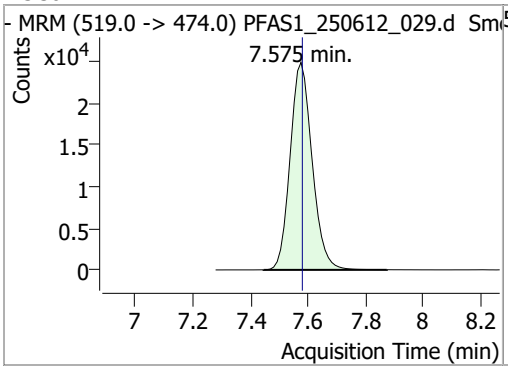


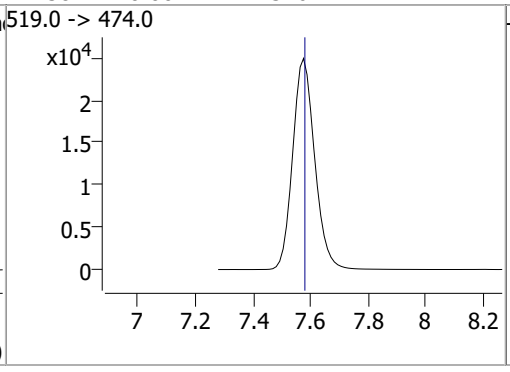
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

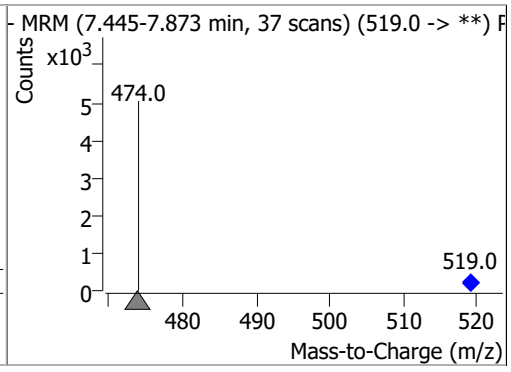




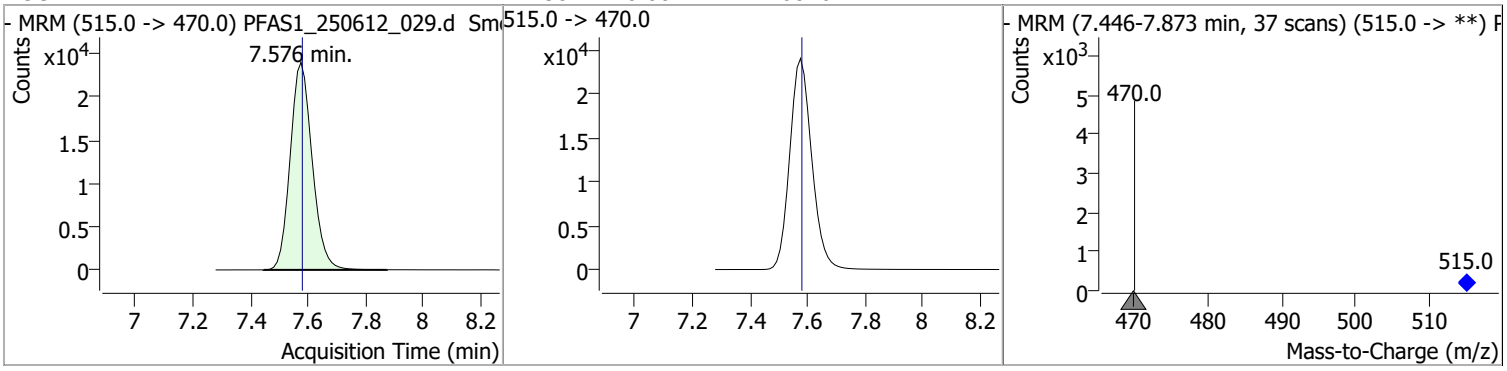
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2221	7.58	0.00	131621				



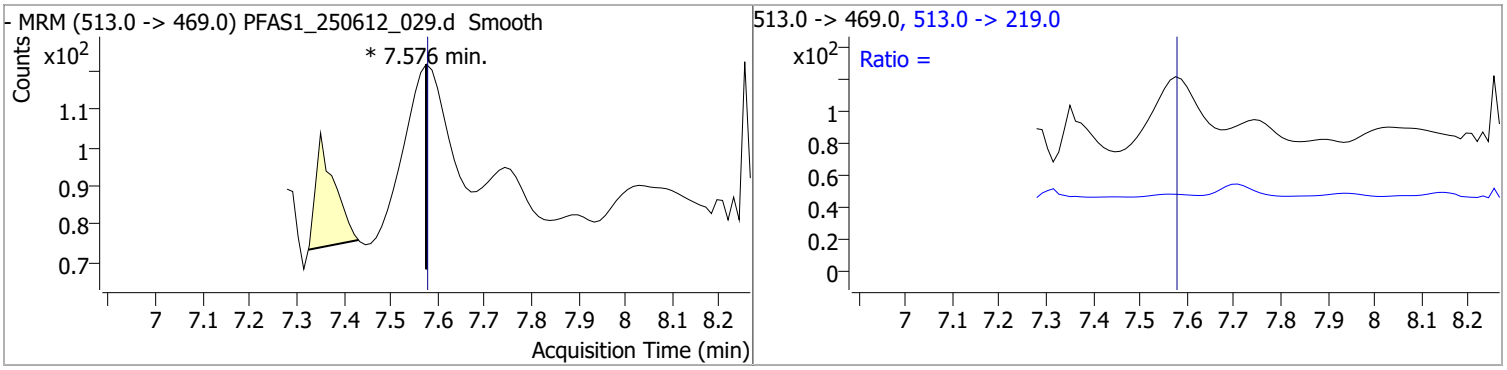




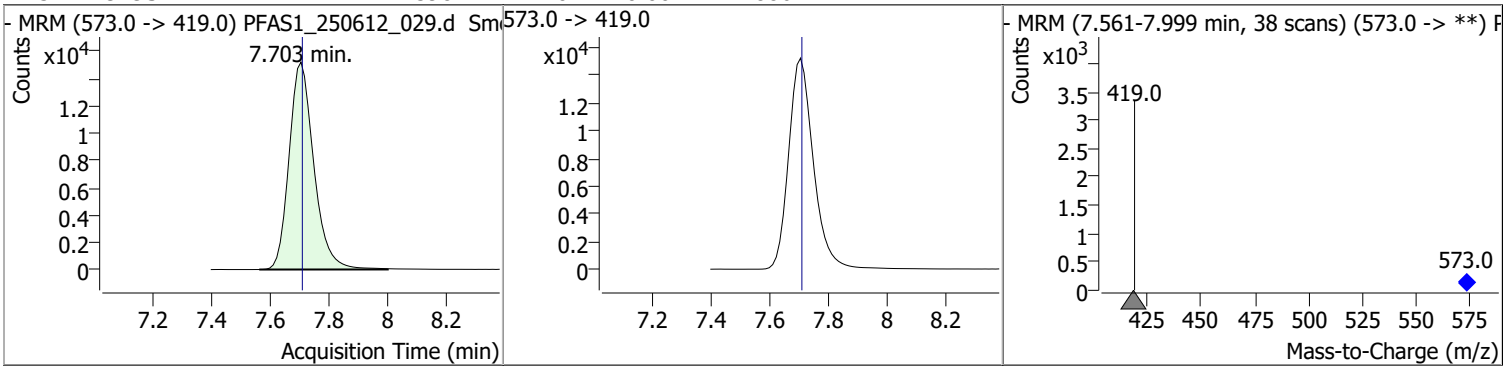
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	126826				



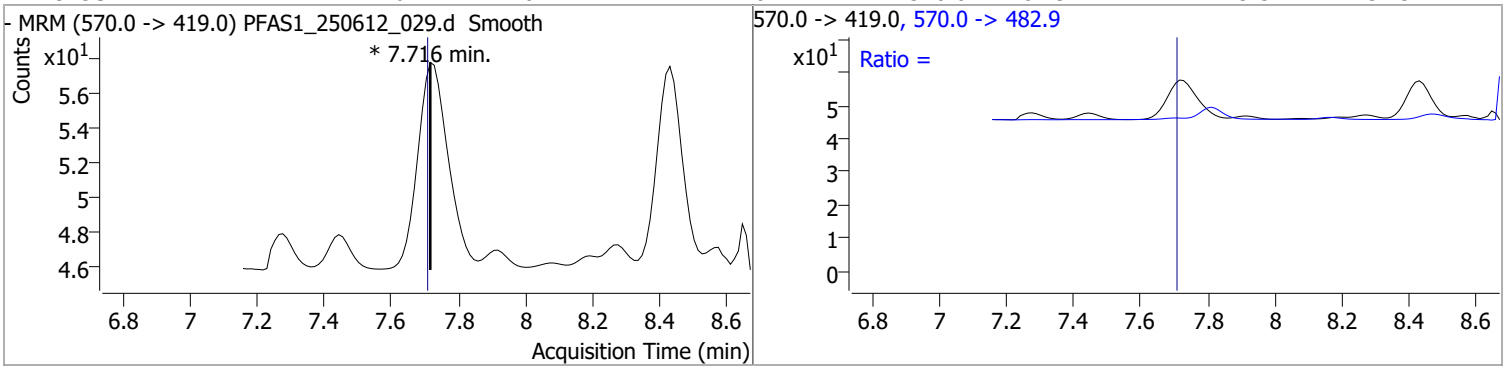
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



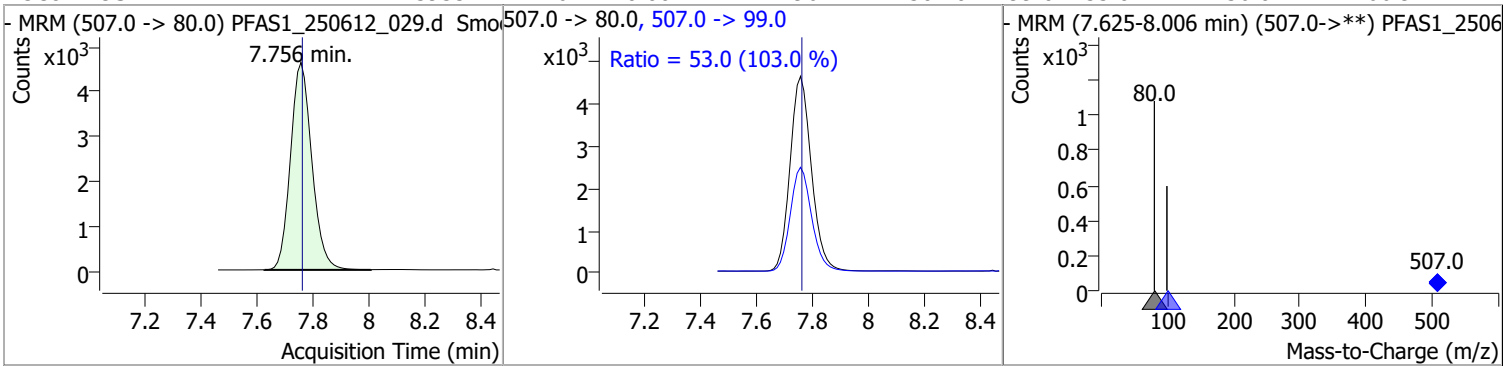
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5984	7.70	0.00	88672				



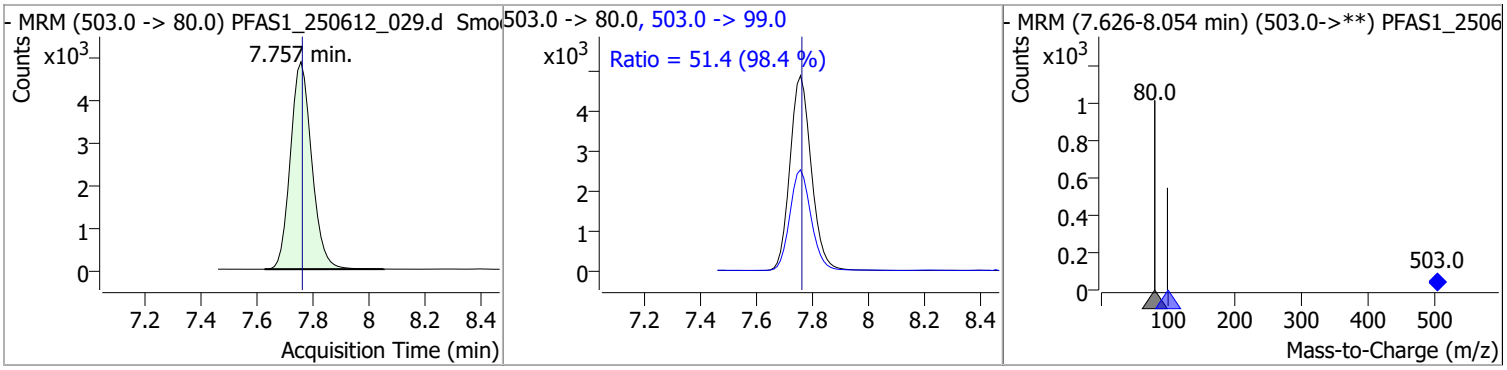
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



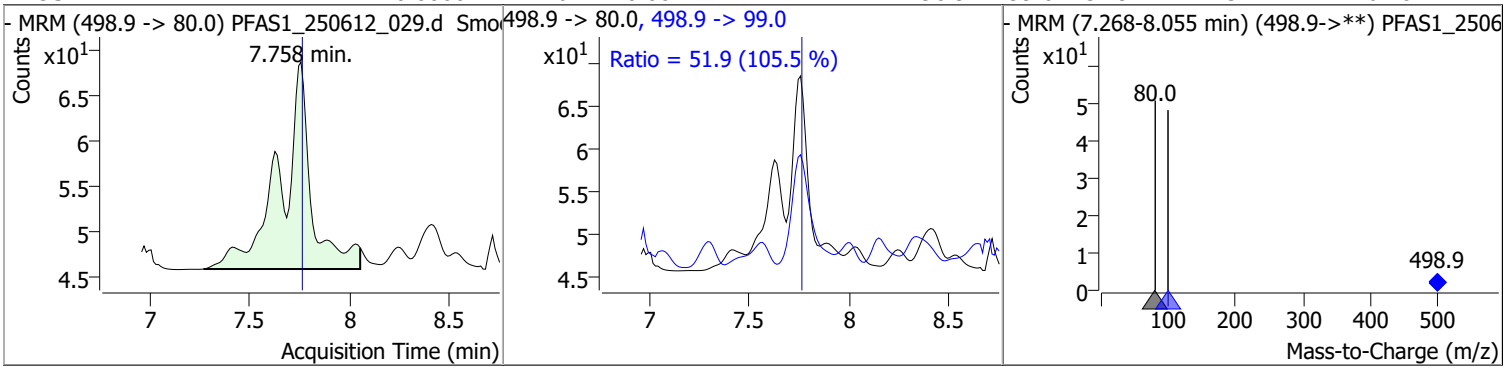
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3935	7.76	0.00	24496	507.0 -> 99.0	53.0	36.0	66.9



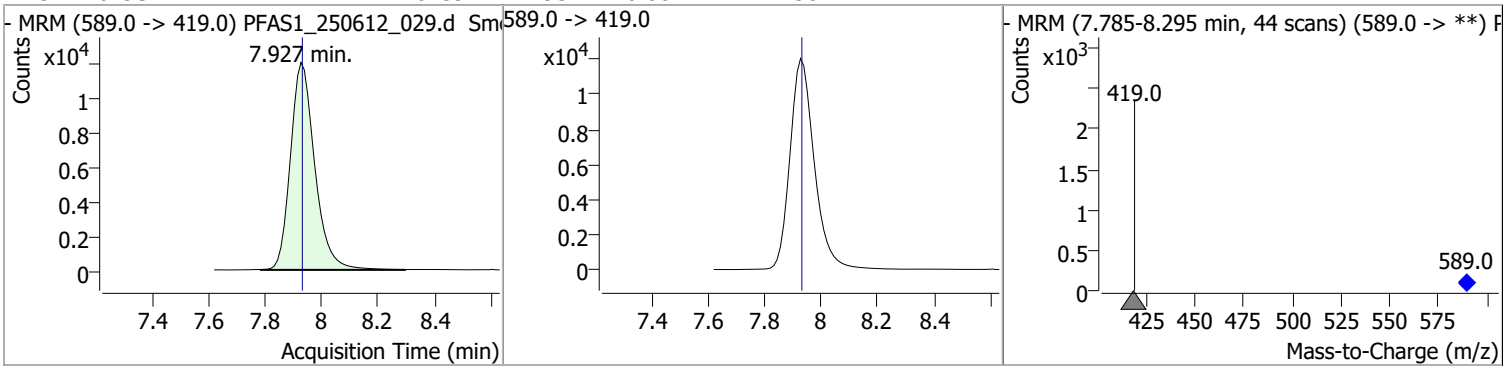
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25825	503.0 -> 99.0	51.4	36.6	67.9



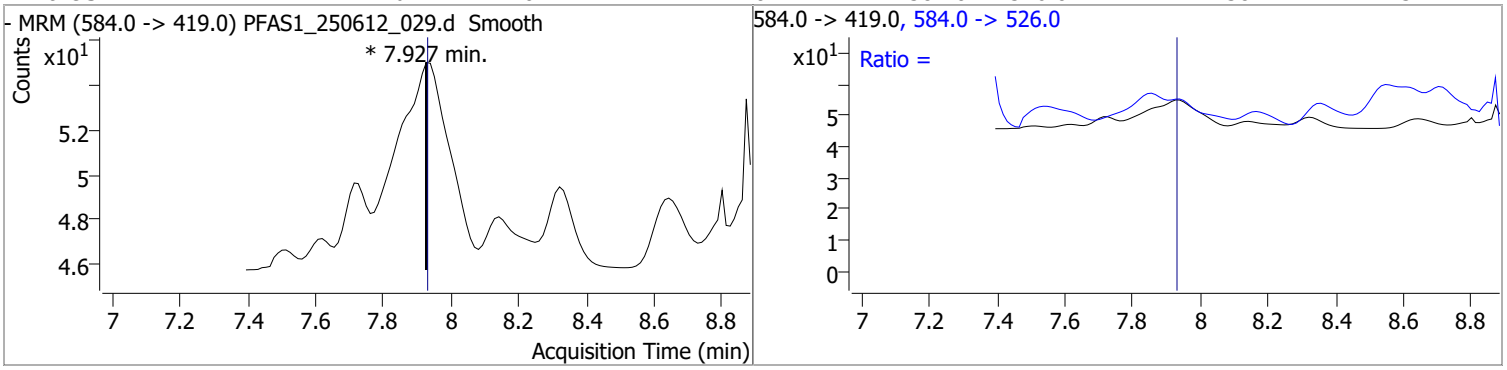
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.76	0.00	247	498.9 -> 99.0	51.9	34.4	64.0



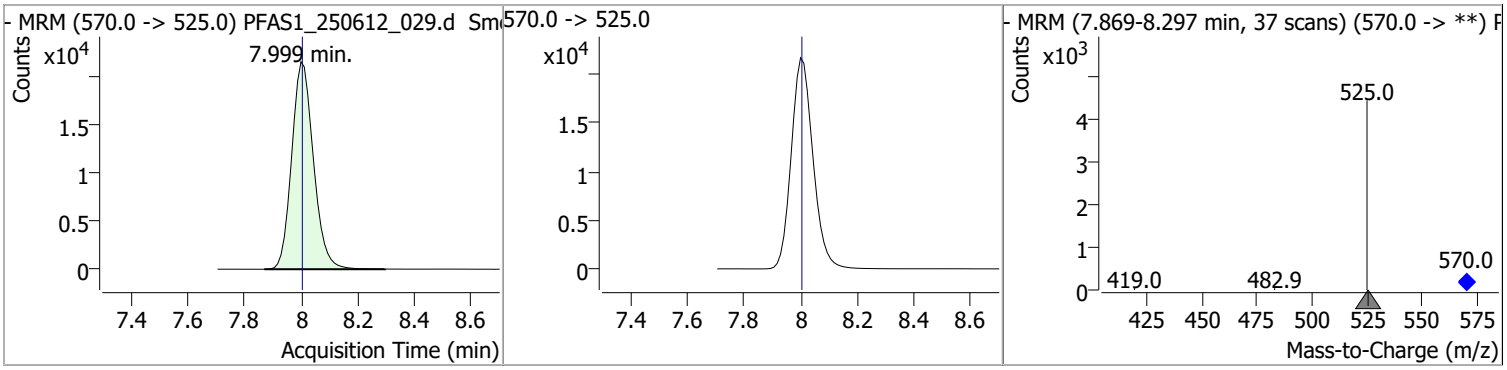
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6439	7.93	0.00	71758				



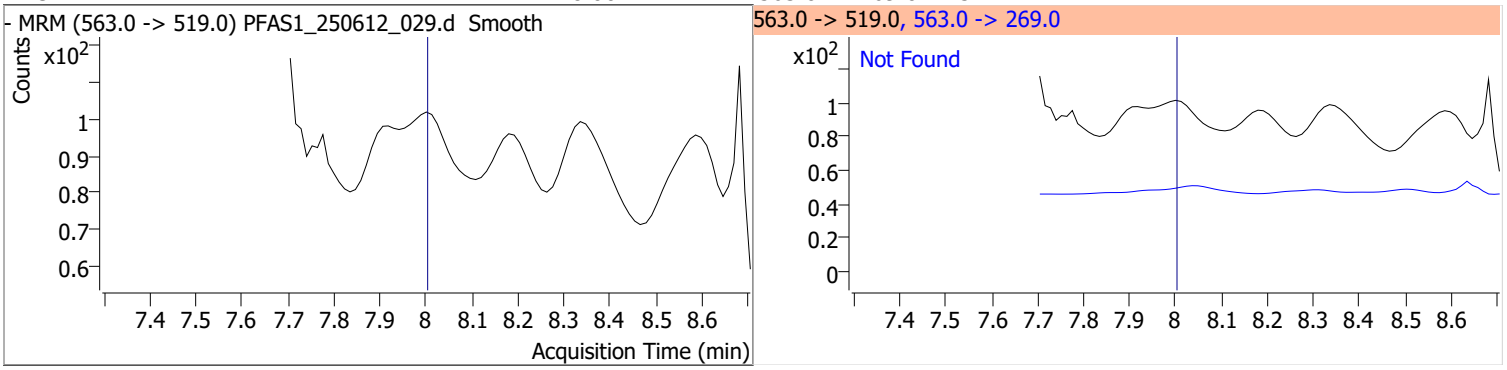
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



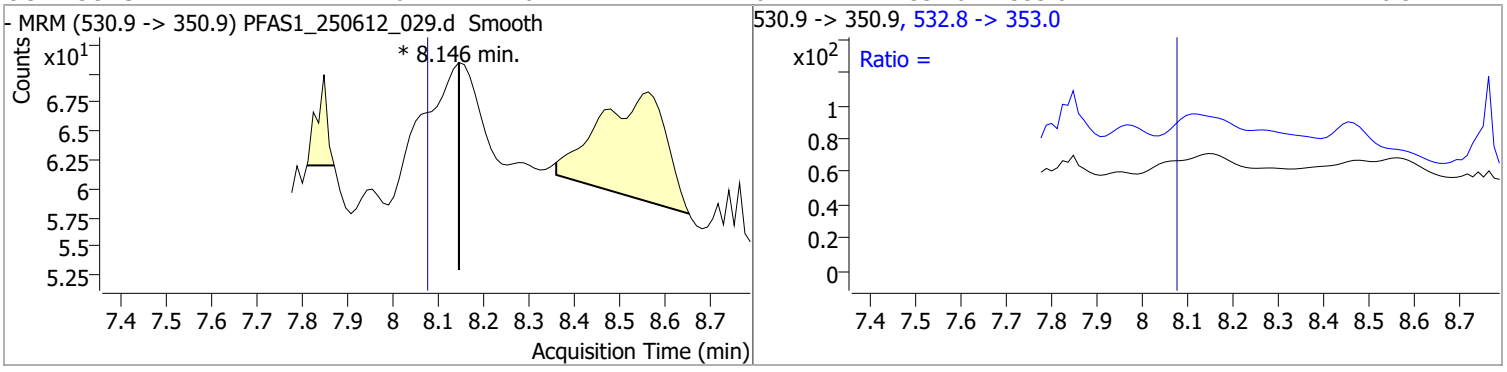
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2361	8.00	0.00	115592				



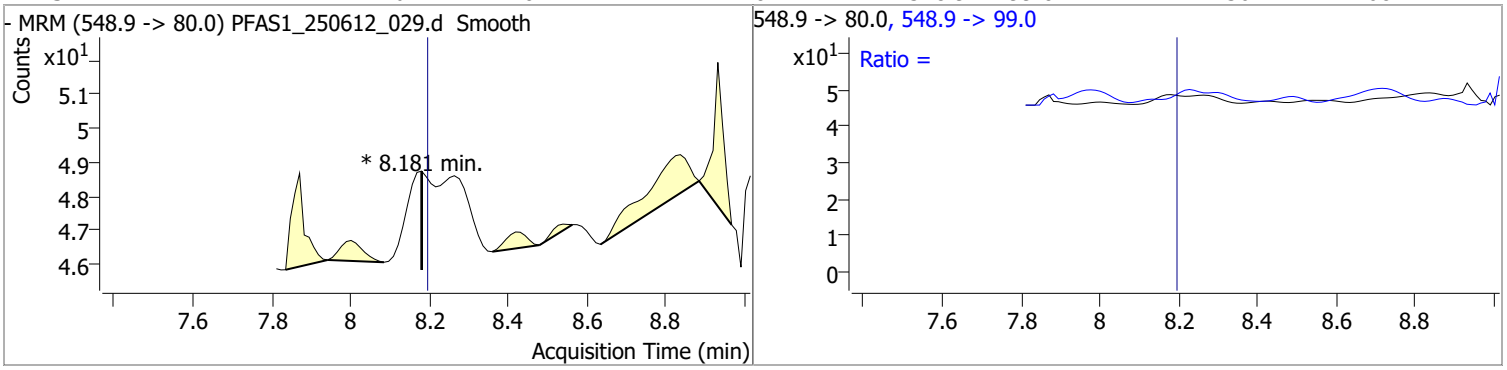
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	8.00	563.0 -> 269.0	15.7



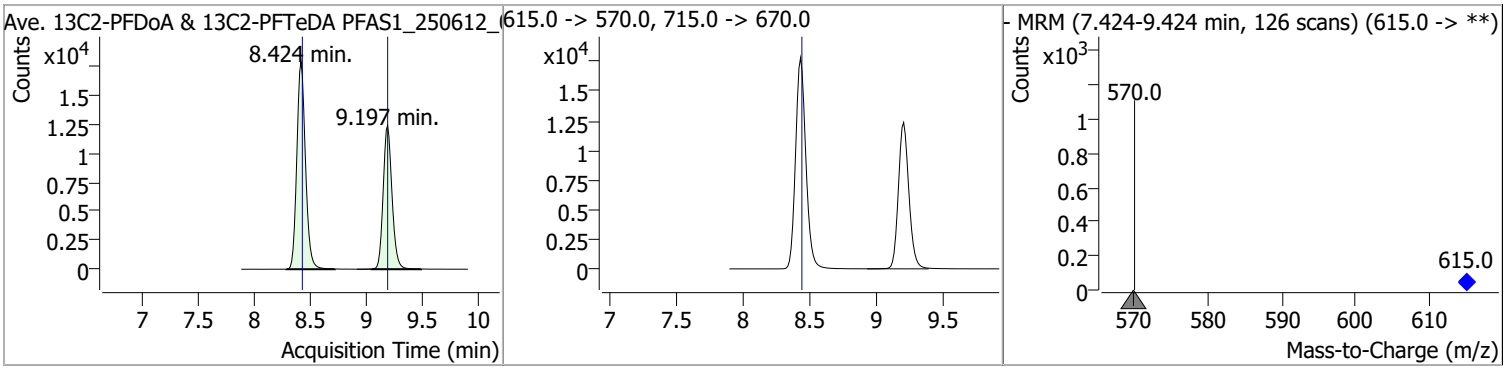
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



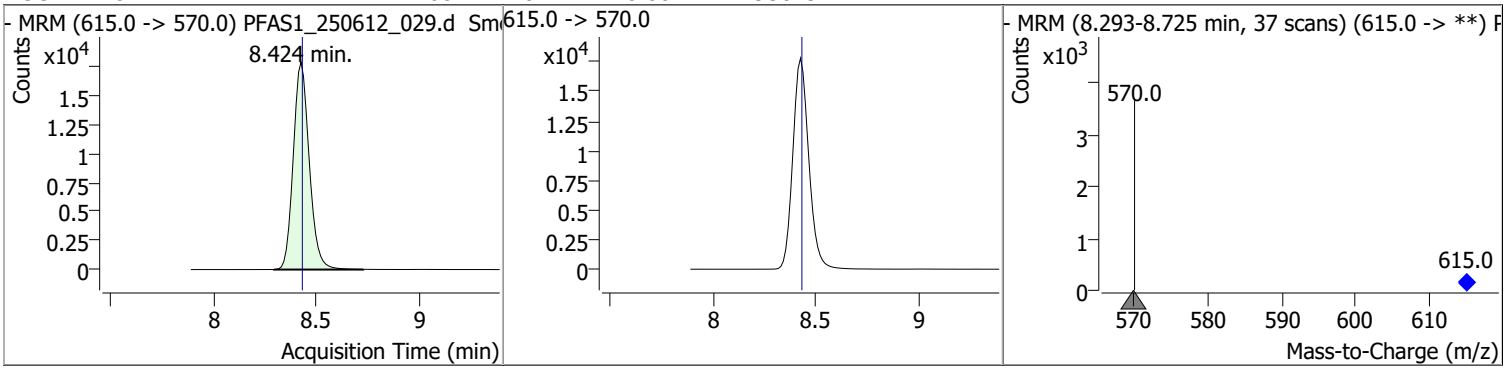
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



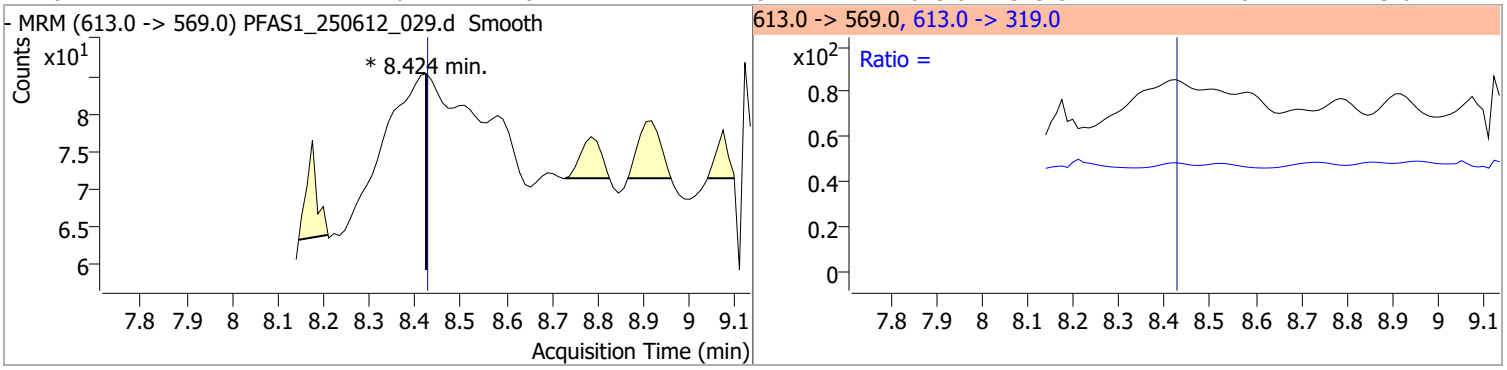
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0107	8.81	0.39	81200				



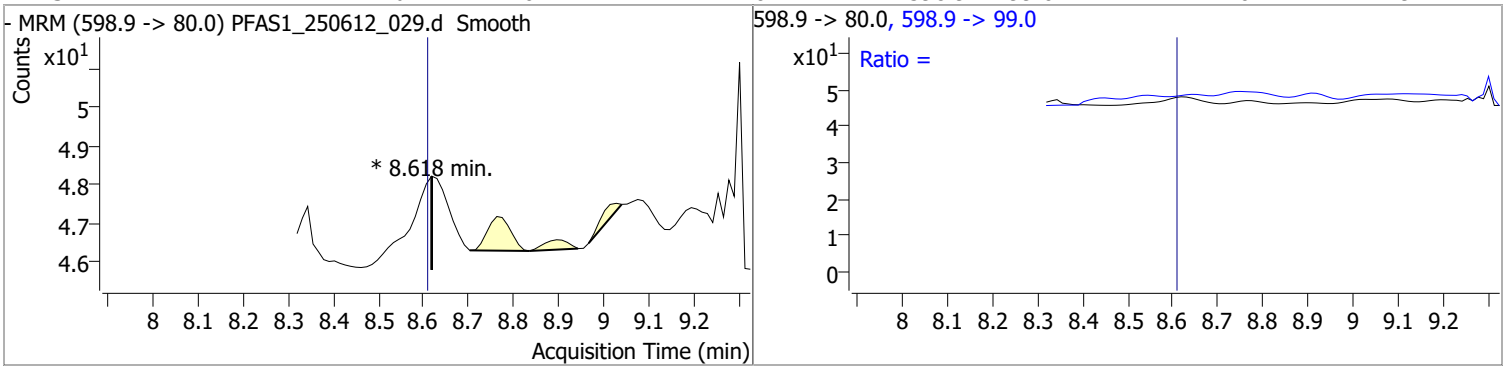
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1681	8.42	0.00	95019				



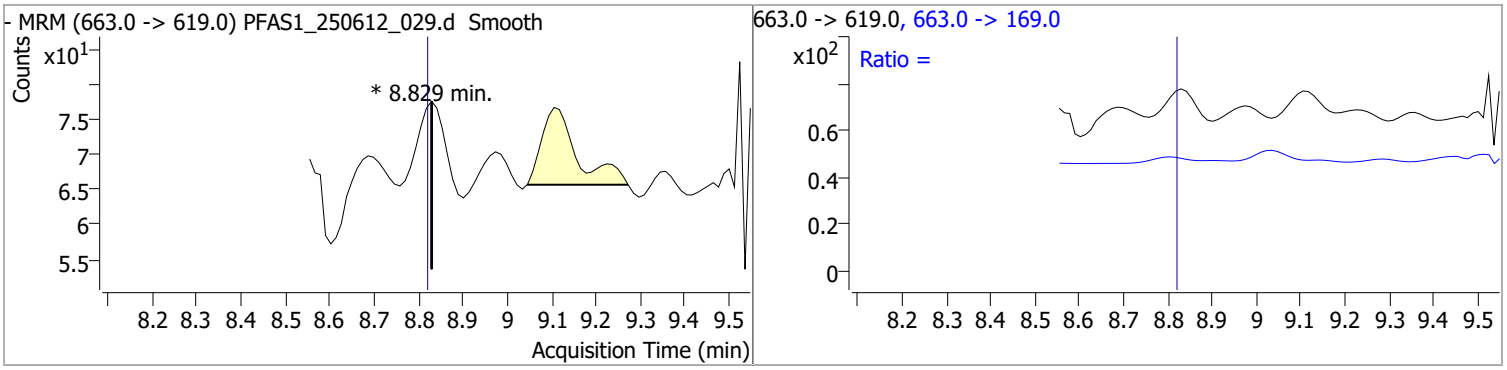
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



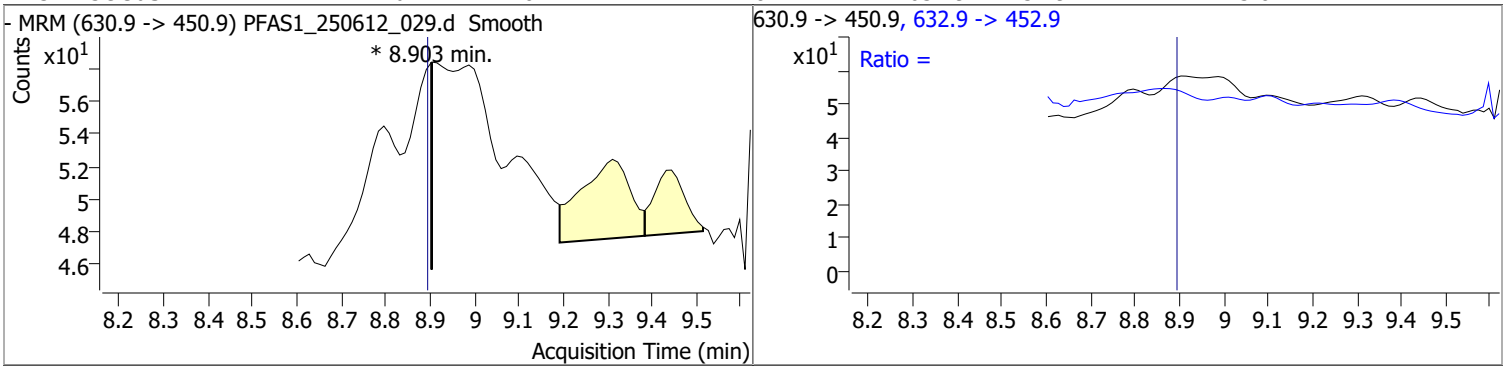
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



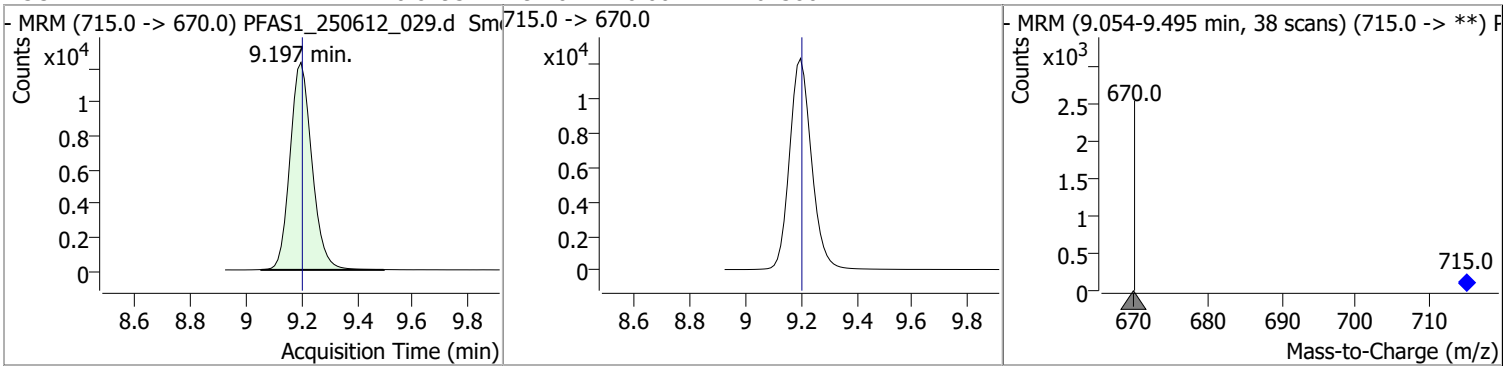
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



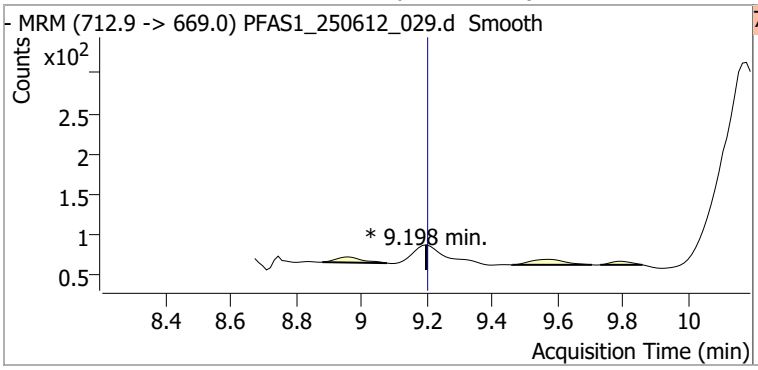
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

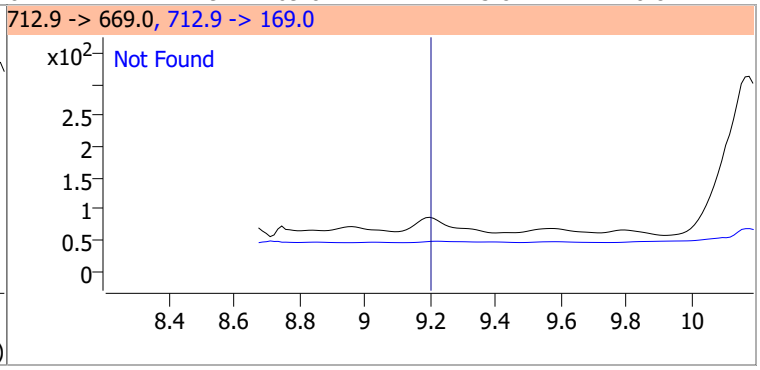


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8493	9.20	0.00	67380				

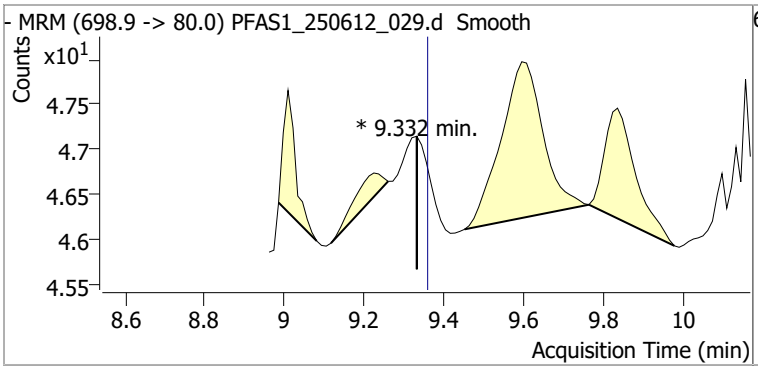


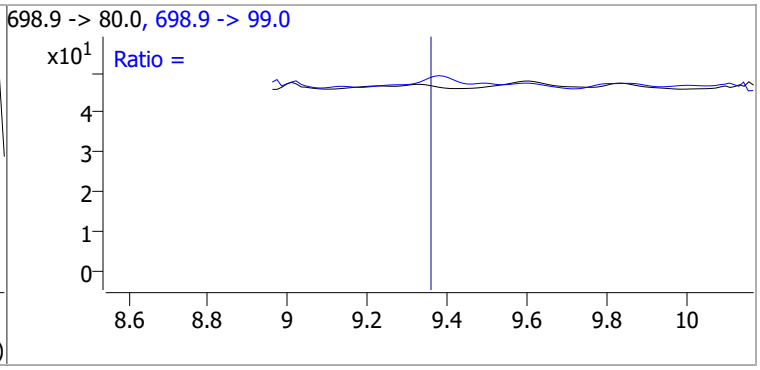
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



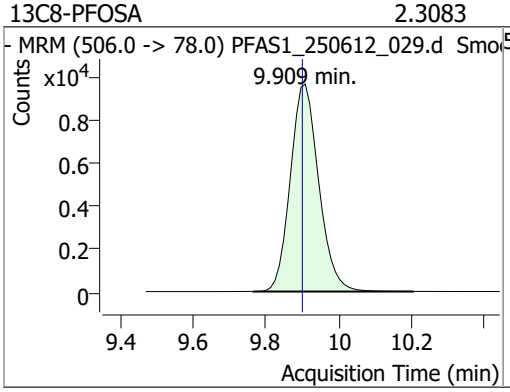


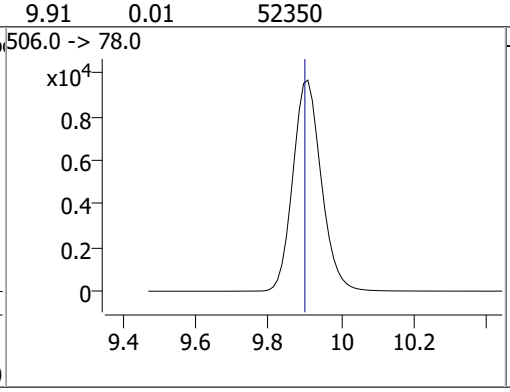
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

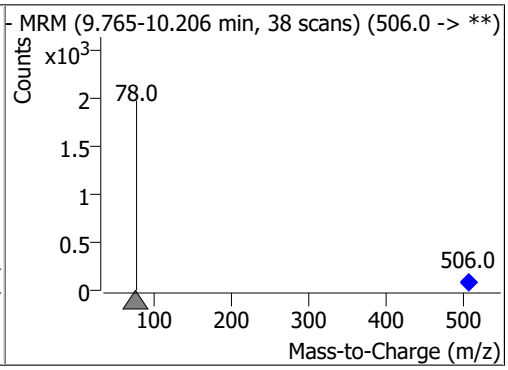




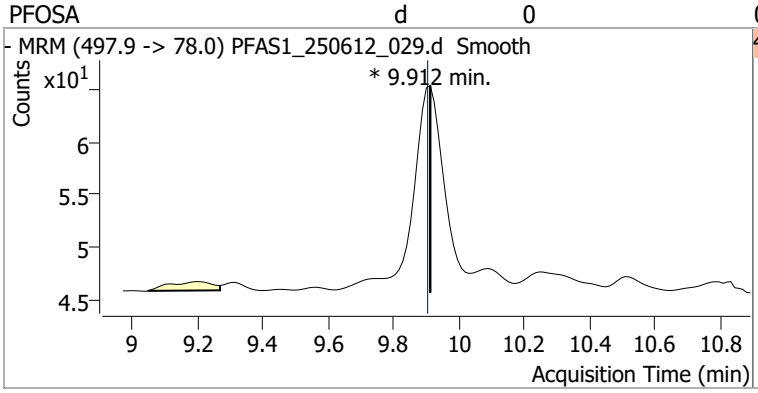
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3083	9.91	0.01	52350				

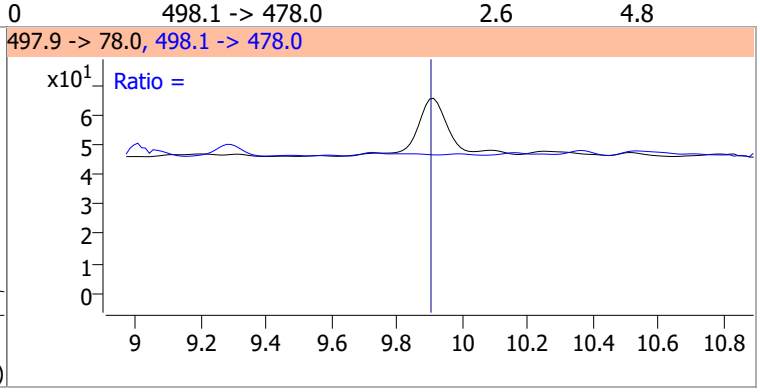




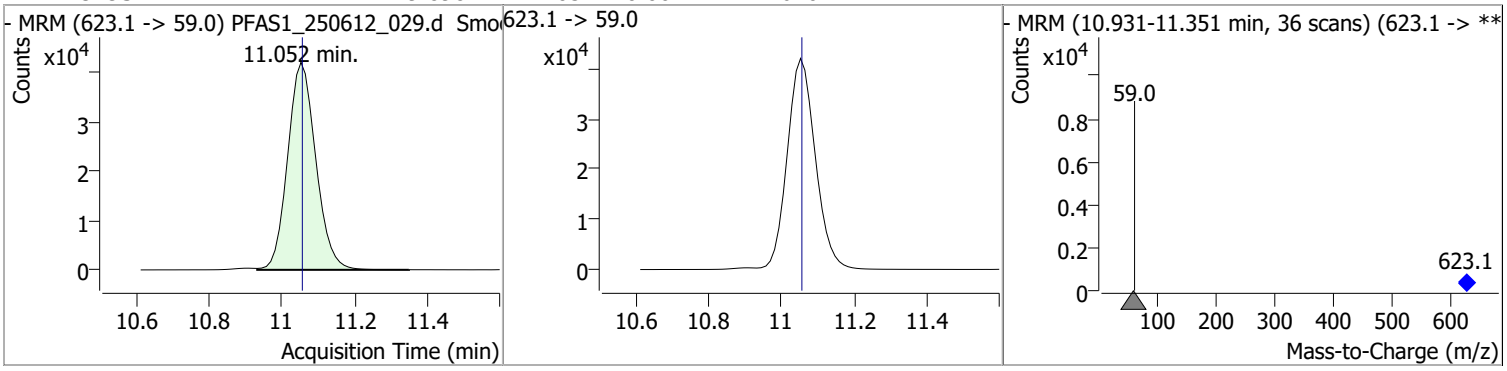


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

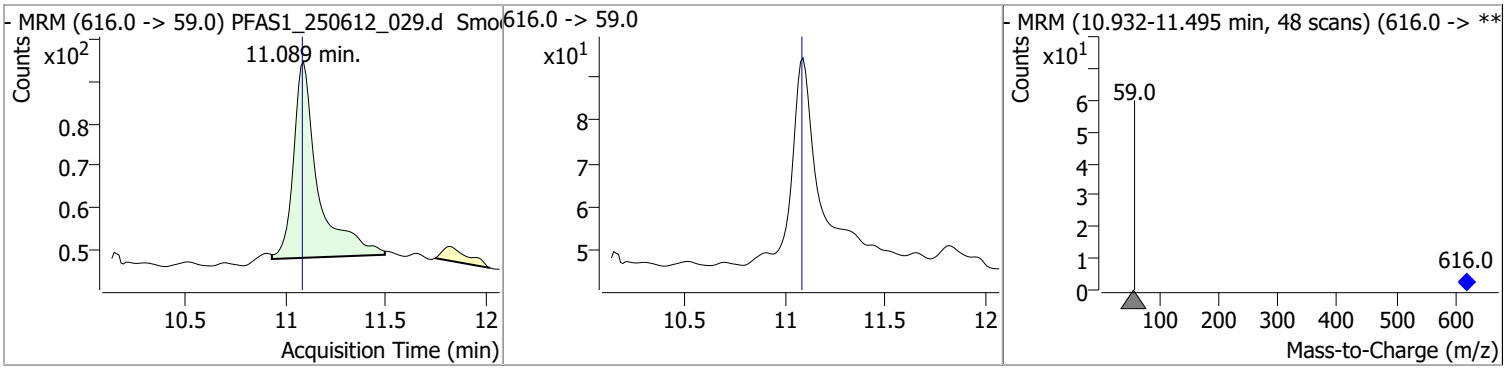




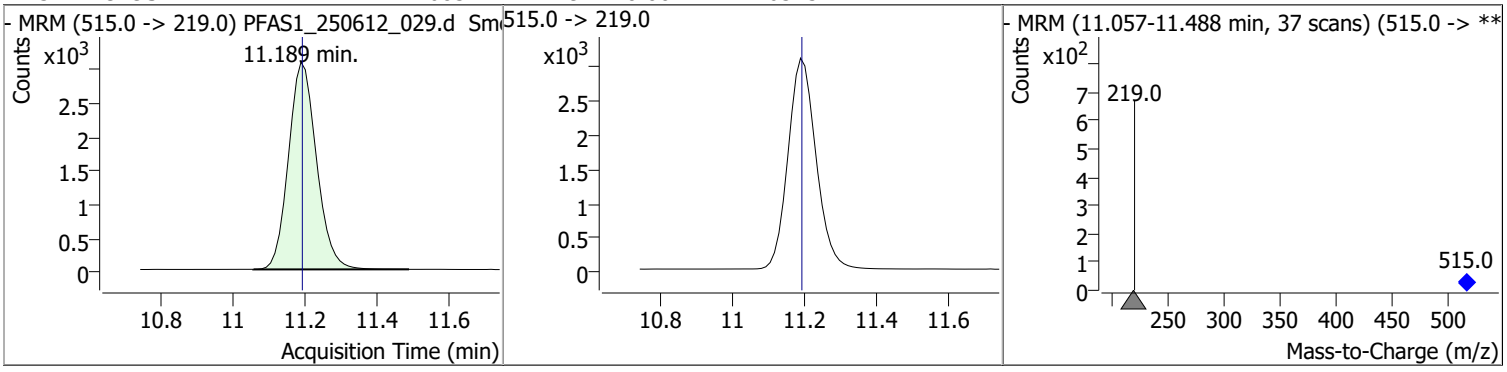
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8982	11.05	0.00	226102				



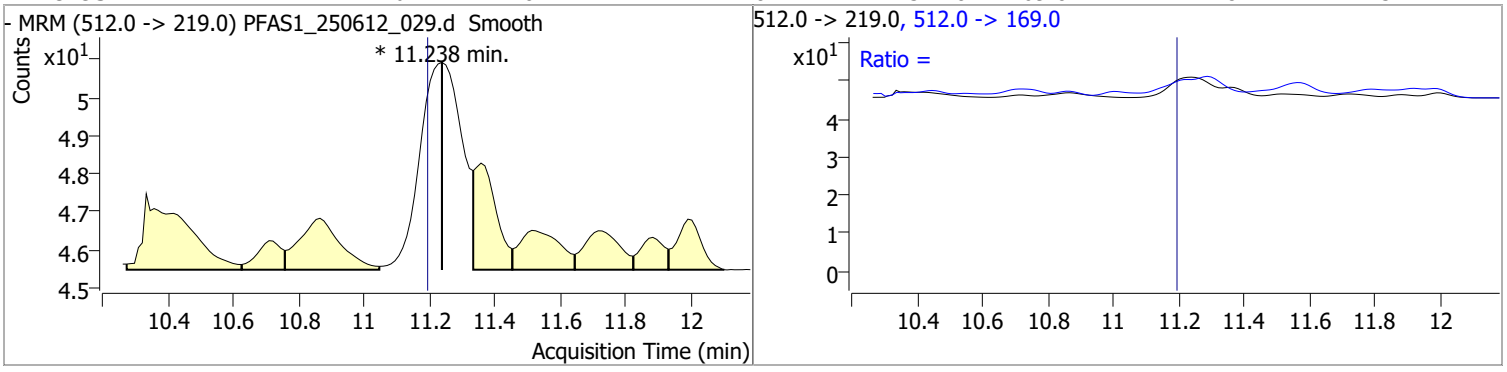
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	395				



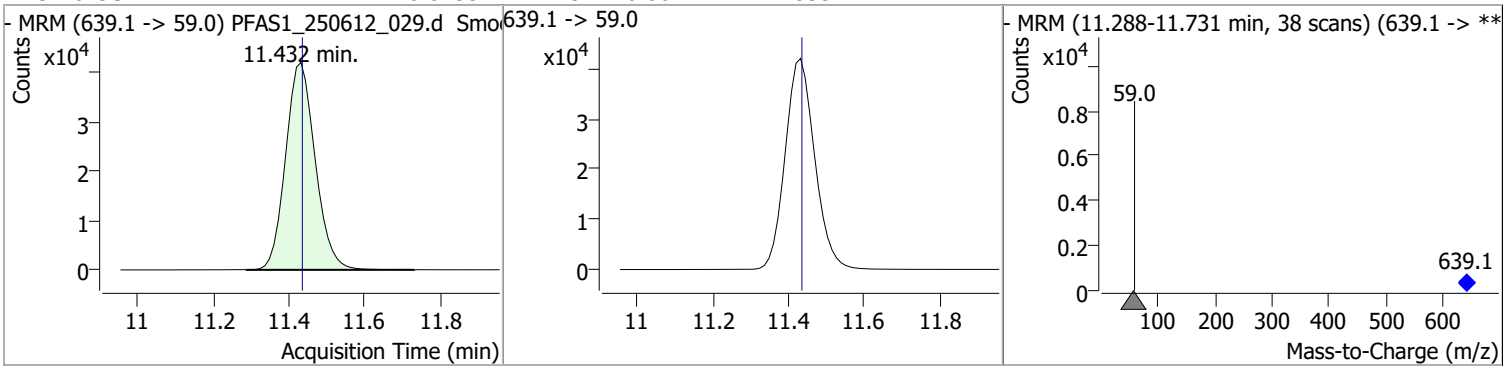
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1683	11.19	0.00	16515				



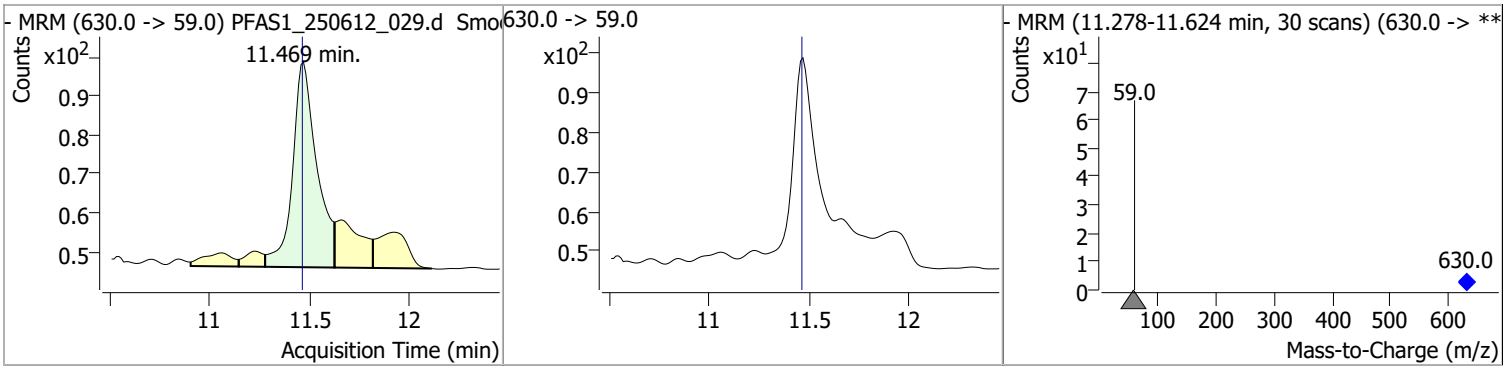
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



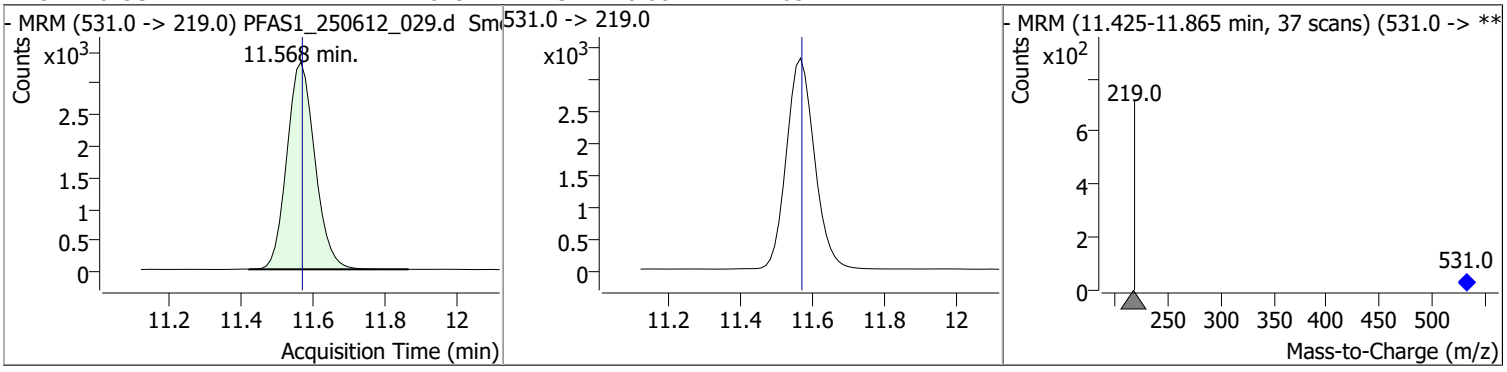
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0453	11.43	0.00	227855				



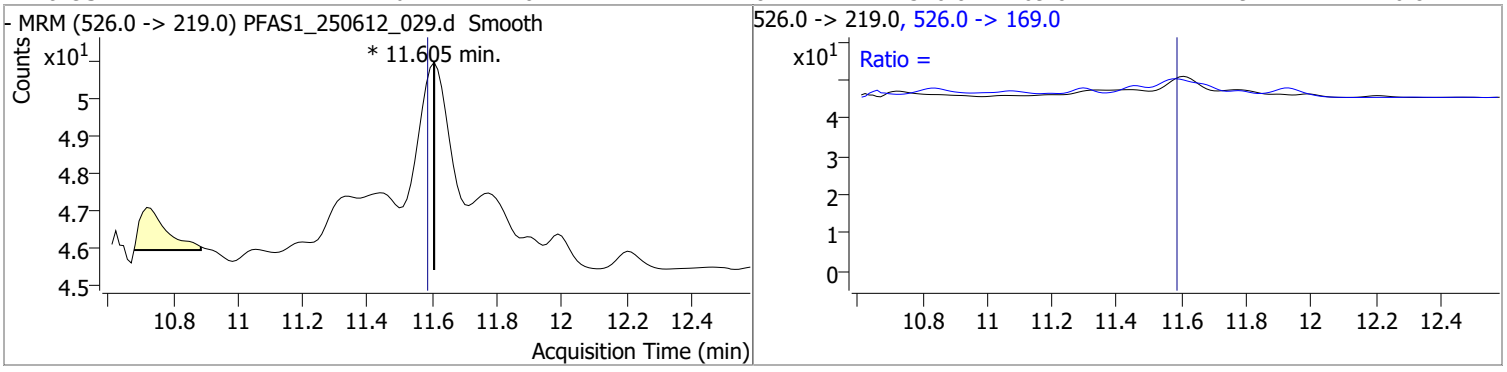
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	445				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1075	11.57	0.00	17637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_029.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:26:04 PM
Sample Name	B25F0614-BLK1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

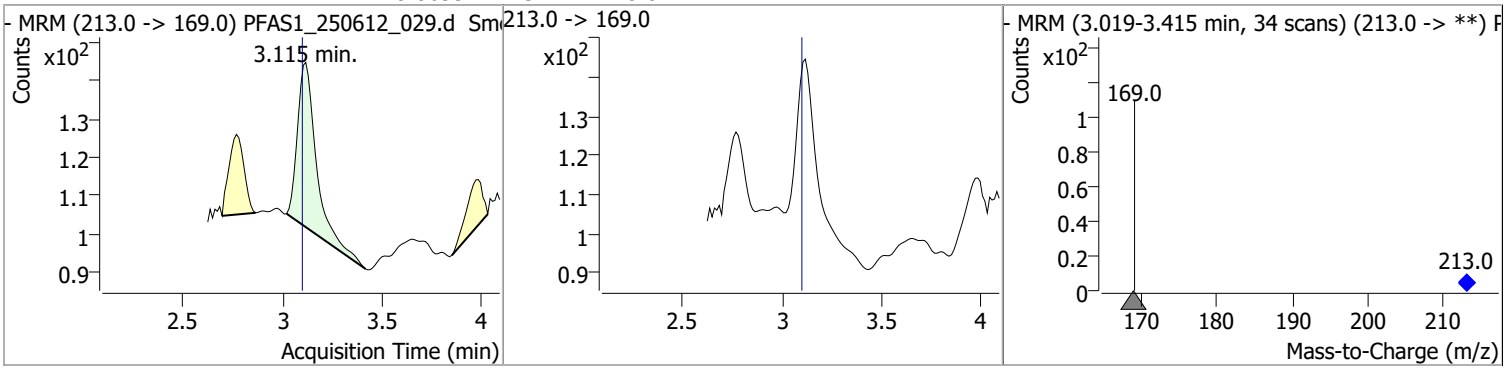
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168590	5.0000	µg/L	6.583
13C2-PFHxA	5.491	315.0 -> 270.0	183901	2.5000	µg/L	2.924
18O2-PFHxS	6.808	403.0 -> 84.0	23834	2.5000	µg/L	1.418
13C4-PFOA	6.663	417.0 -> 172.0	21228	2.5000	µg/L	5.116
13C5-PFNA	7.125	468.0 -> 423.0	124184	1.2500	µg/L	3.765
13C2-PFDA	7.576	515.0 -> 470.0	126826	1.2500	µg/L	1.355
13C4-PFOS	7.757	503.0 -> 80.0	25825	2.5000	µg/L	3.443
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20362	5.0000	µg/L	26.356
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 125.24%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C3-PFBS	5.505	302.0 -> 80.0	42624	2.5000	µg/L	-0.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.80%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213377	10.0000	µg/L	-3.829
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 93.41%		
13C4-PFHpA	6.142	367.0 -> 322.0	207670	2.5000	µg/L	-2.593
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12919	5.0000	µg/L	14.559
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.39%		
13C8-PFOA	6.662	421.0 -> 376.0	224606	2.5000	µg/L	-0.571
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.51%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C9-PFNA	7.125	472.0 -> 427.0	122455	1.2500	µg/L	-0.201
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.20%		
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L	-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C6-PFDA	7.575	519.0 -> 474.0	131621	1.2500	µg/L	-0.965

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.77%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	88672	5.0000	µg/L		-4.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.97%			
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L		-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71758	5.0000	µg/L		-3.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.88%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115592	1.2500	µg/L		0.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.89%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	81200	1.2500	µg/L		-17.983
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.86%			
13C2-PFDoDA	8.424	615.0 -> 570.0	95019	1.2500	µg/L		-5.218
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.45%			
13C2-PFTDA	9.197	715.0 -> 670.0	67380	1.2500	µg/L		-31.073
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 67.95%			
13C8-PFOSA	9.909	506.0 -> 78.0	52350	2.5000	µg/L		-4.286
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.33%			
2H7-MeFOSE	11.052	623.1 -> 59.0	226102	25.0000	µg/L		-17.694
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.59%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16515	2.5000	µg/L		-10.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.73%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227855	25.0000	µg/L		-17.076
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.18%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17637	2.5000	µg/L		-12.675
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
Target Compounds							QValue
PFBA	3.115	213.0 -> 169.0	274	0.0699	µg/L		100
PFMPA	3.806	229.0 -> 85.0	74	0.0398	µg/L		100
3-3 FTCA	3.946	241.0 -> 177.0	5	0.0422	µg/L	#	1
PFPeA	4.608	263.0 -> 219.0	270	0.0356	µg/L	#	99
PFMBA	5.078	279.0 -> 85.0	46	0.0445	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	18	0.0065	µg/L	#	80
NFDHA	5.402	295.0 -> 201.0	23	0.0000	µg/L		89
PFHxA	5.492	313.0 -> 269.0	271	0.0103	µg/L		89
PFBS	5.507	298.9 -> 80.0	6	0.0000	µg/L		35
HFPO-DA	5.736	285.0 -> 169.0	111	0.0142	µg/L	#	76
PFEESA	5.753	314.9 -> 135.0	17	0.0000	µg/L	#	1
5-3 FTCA	6.144	341.0 -> 237.0	118	0.6690	µg/L	#	58
PFHpA	6.142	363.0 -> 319.0	277	0.0223	µg/L		92
PFPeS	6.312	348.9 -> 80.0	6	0.0151	µg/L	#	1
DONA	6.345	377.0 -> 251.0	78	0.0436	µg/L		46
6-2 FTSA	6.448	427.0 -> 407.0	112	0.0000	µg/L	#	84
PFOA	6.663	413.0 -> 369.0	1231	0.0240	µg/L		95
PFHxS	6.798	398.9 -> 80.0	142	0.0067	µg/L	#	67
PFNA	7.138	463.0 -> 419.0	244	0.0145	µg/L		94
PFHpS	7.355	448.9 -> 80.0	6	0.0000	µg/L	#	1
8-2 FTSA	7.456	527.0 -> 507.0	47	0.0199	µg/L		47
7-3 FTCA	7.463	441.0 -> 317.0	255	0.6923	µg/L	#	59
PFDA	7.576	513.0 -> 469.0	156	0.0187	µg/L	#	76
N-MeFOSAA	7.716	570.0 -> 419.0	89	0.0028	µg/L	#	71
PFOS	7.758	498.9 -> 80.0	247	0.0000	µg/L		96
N-EtFOSAA	7.927	584.0 -> 419.0	104	0.0174	µg/L	#	21
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	8.146	530.9 -> 350.9	63	0.0018	µg/L	#	1

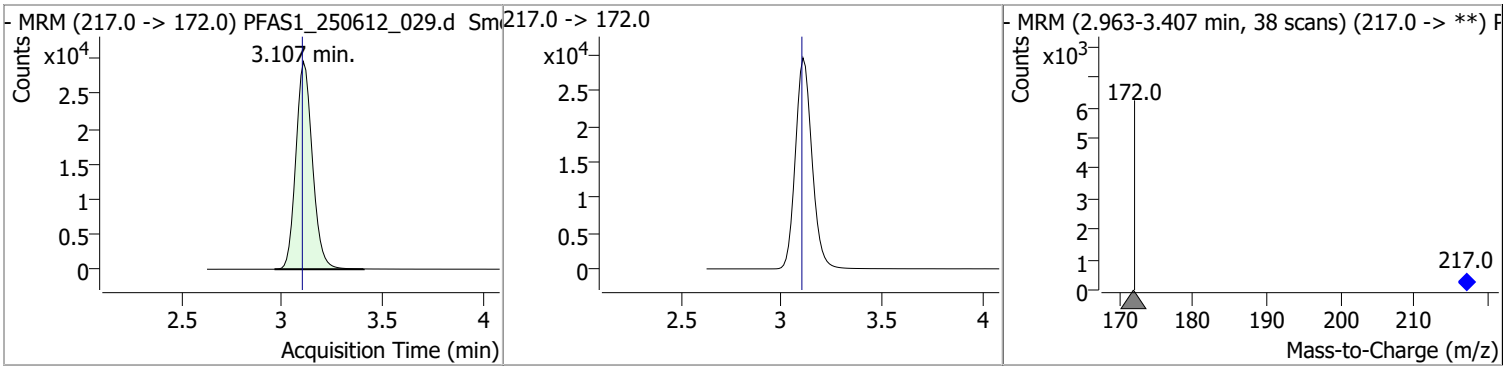
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	5	0.0000	µg/L	#	1
PFDoDA	8.424	613.0 -> 569.0	167	0.0075	µg/L		65
PFDS	8.618	598.9 -> 80.0	12	0.0173	µg/L	#	56
PFTrDA	8.829	663.0 -> 619.0	45	0.0160	µg/L	#	86
11Cl-PF3OUdS	8.903	630.9 -> 450.9	207	0.0145	µg/L		87
PFTDA	9.198	712.9 -> 669.0	158	0.0175	µg/L		77
PFDoS	9.332	698.9 -> 80.0	3	0.0198	µg/L	#	1
PFOSA	9.912	497.9 -> 78.0	105	0.0102	µg/L		89
MeFOSE	11.089	616.0 -> 59.0	395	0.0000	µg/L		100
N-MeFOSA	11.238	512.0 -> 219.0	48	0.0091	µg/L		99
EtFOSE	11.469	630.0 -> 59.0	445	0.0000	µg/L		100
N-EtFOSA	11.605	526.0 -> 219.0	76	0.0295	µg/L	#	45

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

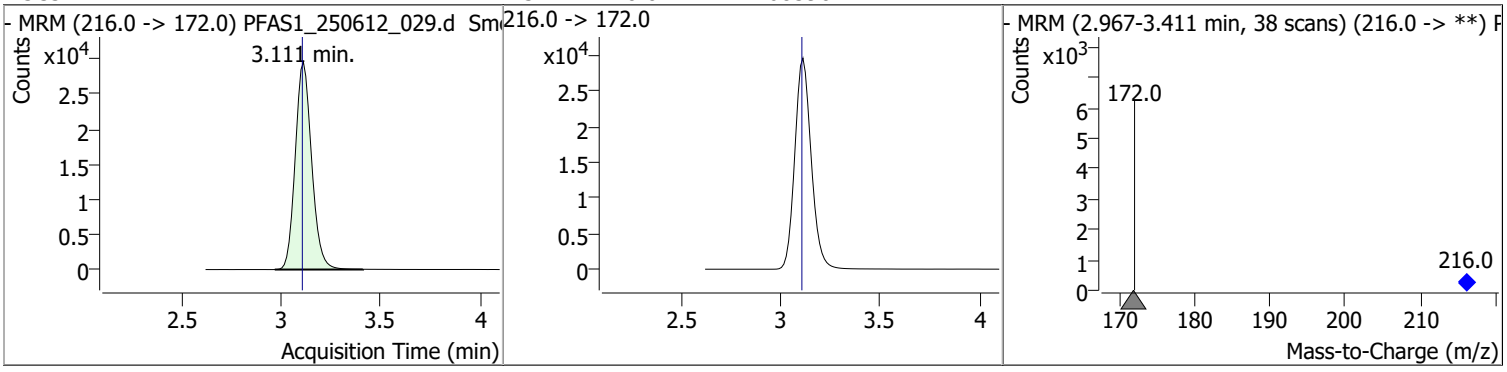
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0699	3.11	0.02	274				



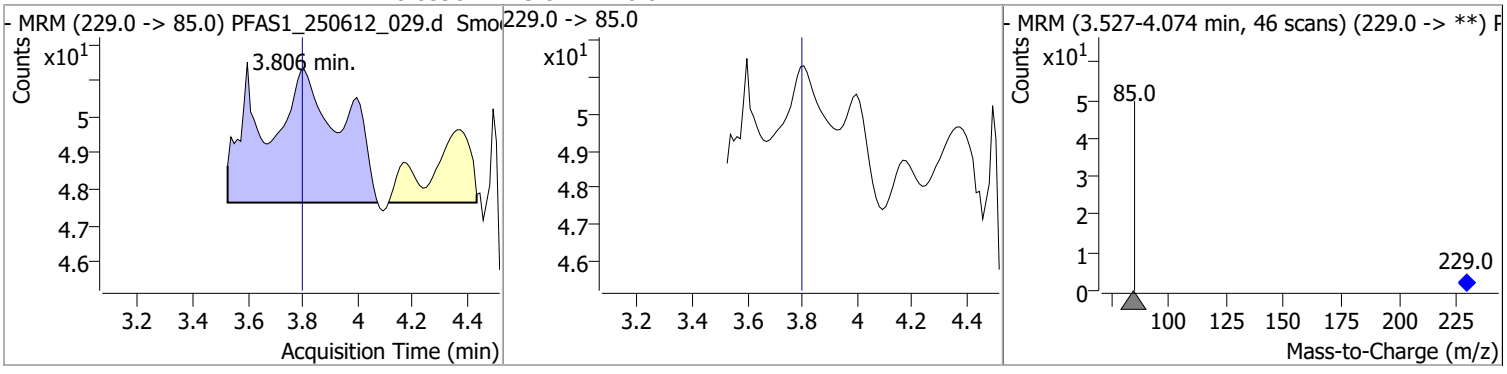
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.3421	3.11	0.01	169013				



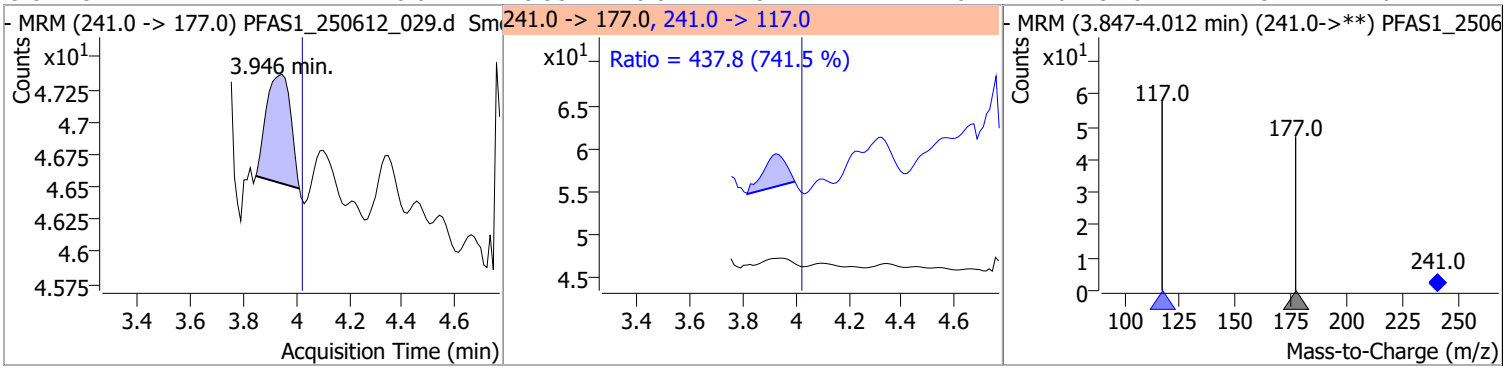
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	168590				



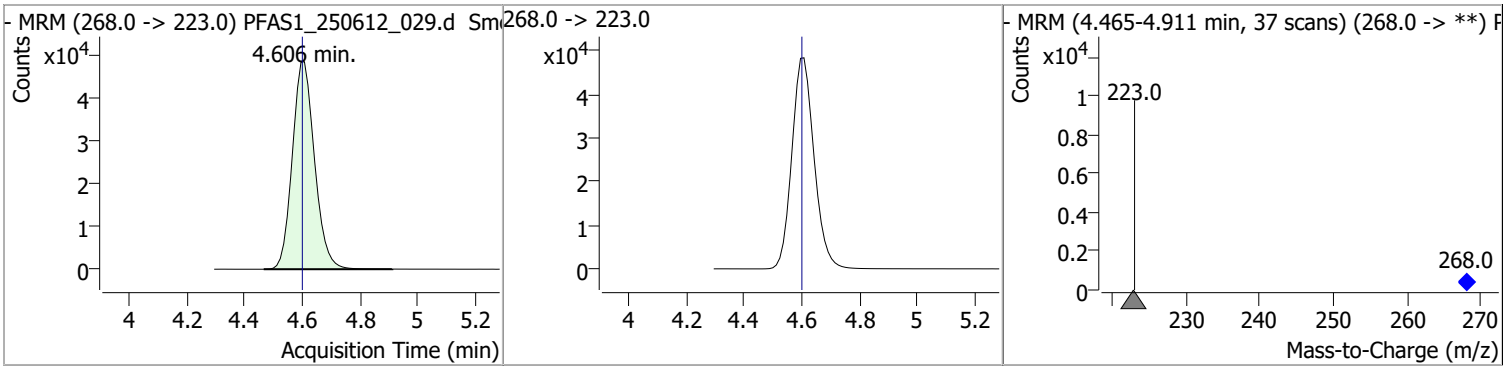
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0398	3.81	0.01	74				



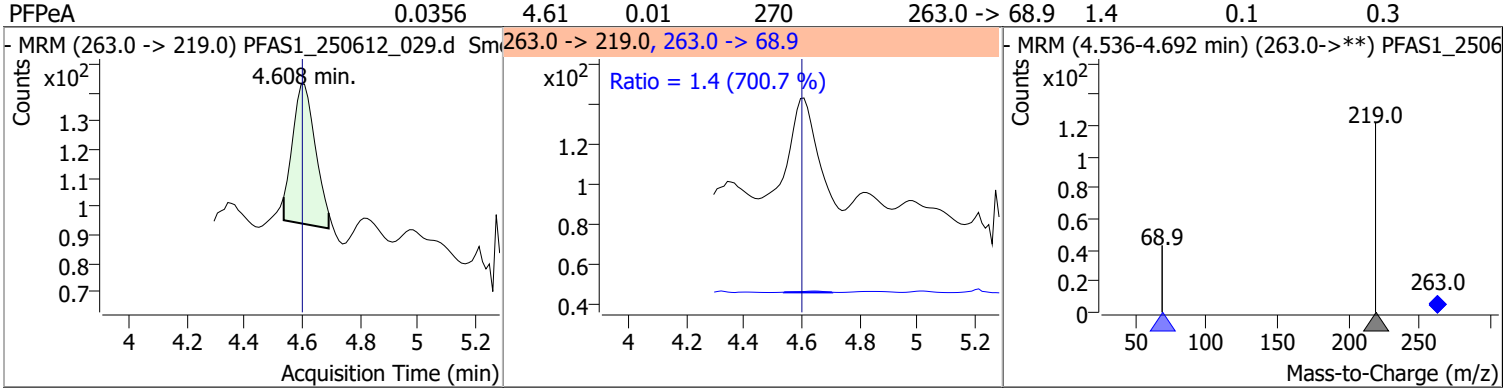
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0422	3.95	-0.07	5	241.0 -> 117.0	437.8	41.3	76.7



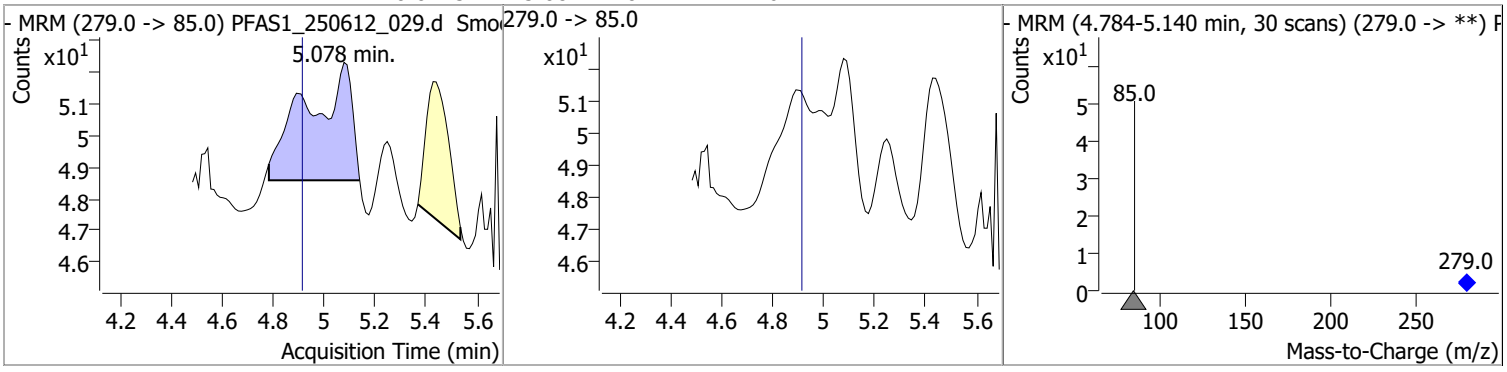
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6560	4.61	0.01	258462				



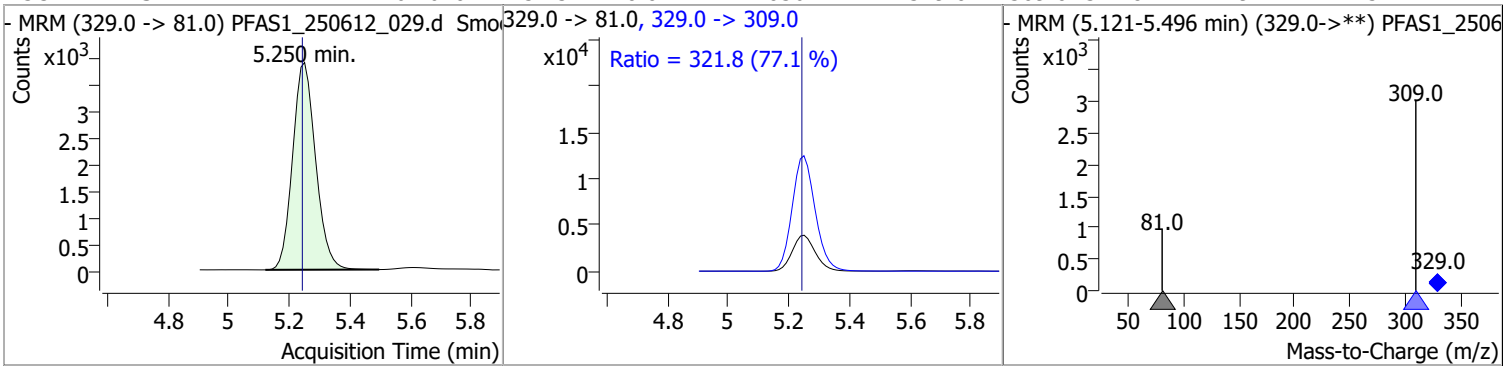
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0356	4.61	0.01	270	263.0 -> 68.9	1.4	0.1	0.3



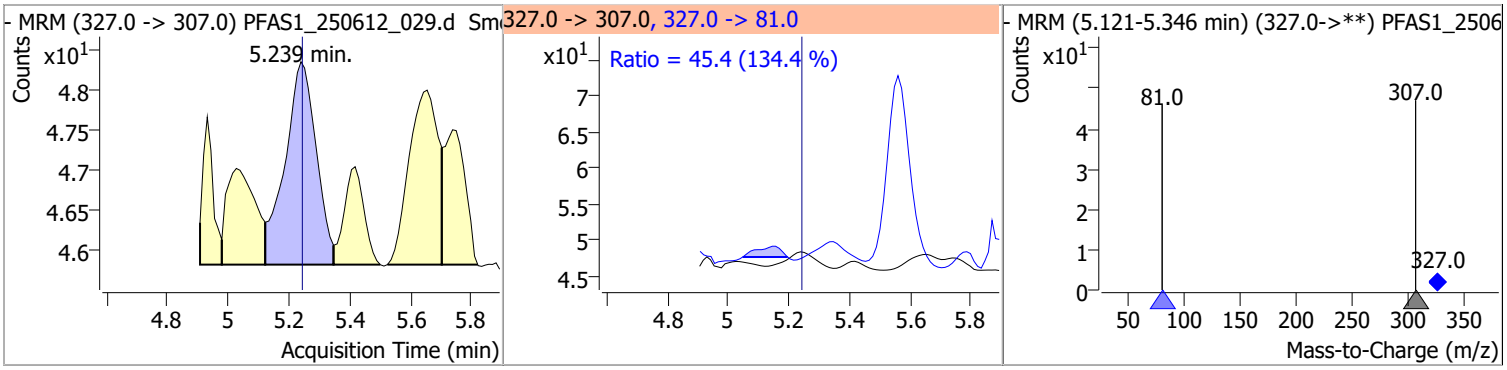
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0445	5.08	0.17	46				



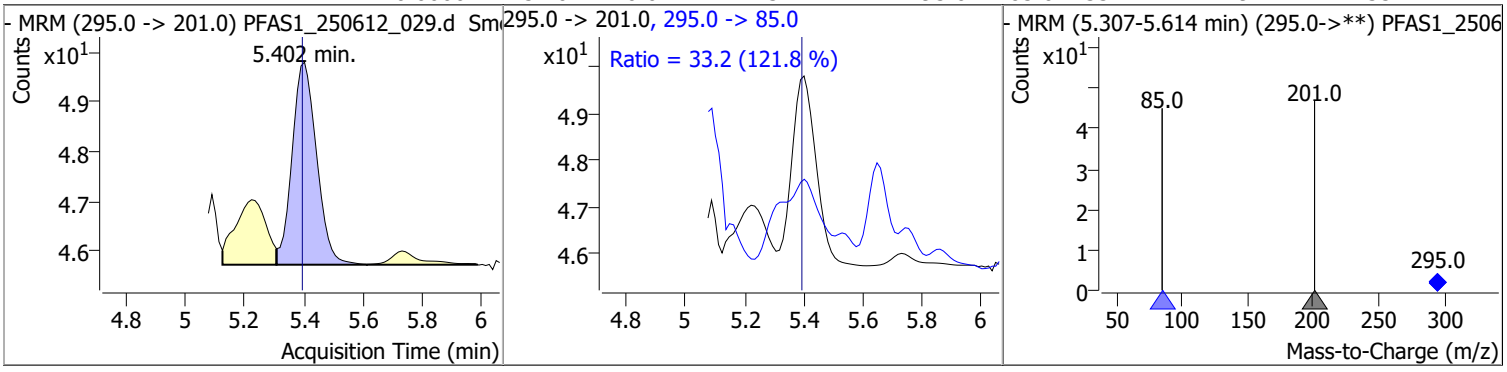
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2620	5.25	0.01	20362	329.0 -> 309.0	321.8	292.1	542.4



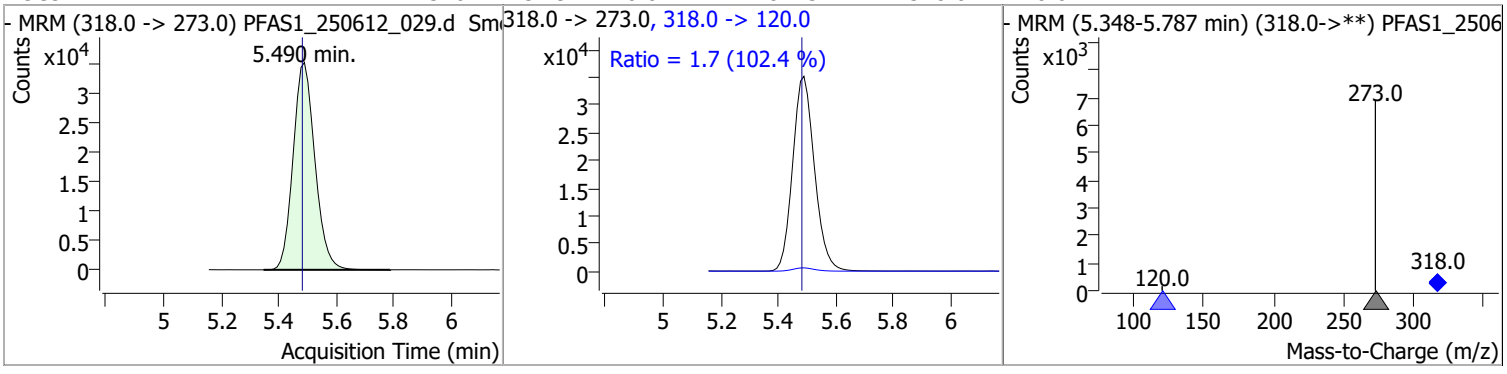
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0065	5.24	0.00	18	327.0 -> 81.0	45.4	23.6	43.9



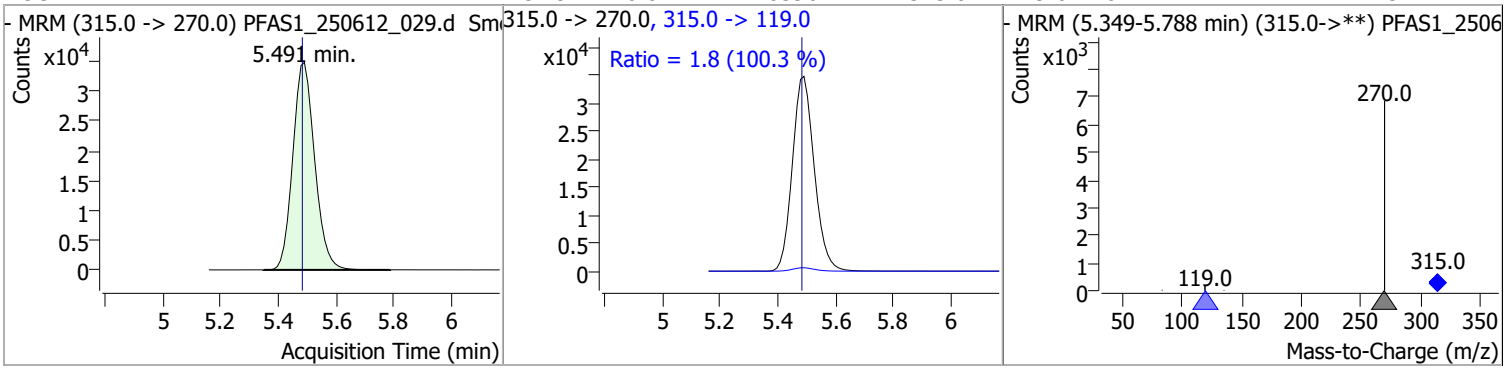
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.40	0.01	23	295.0 -> 85.0	33.2	19.1	35.4



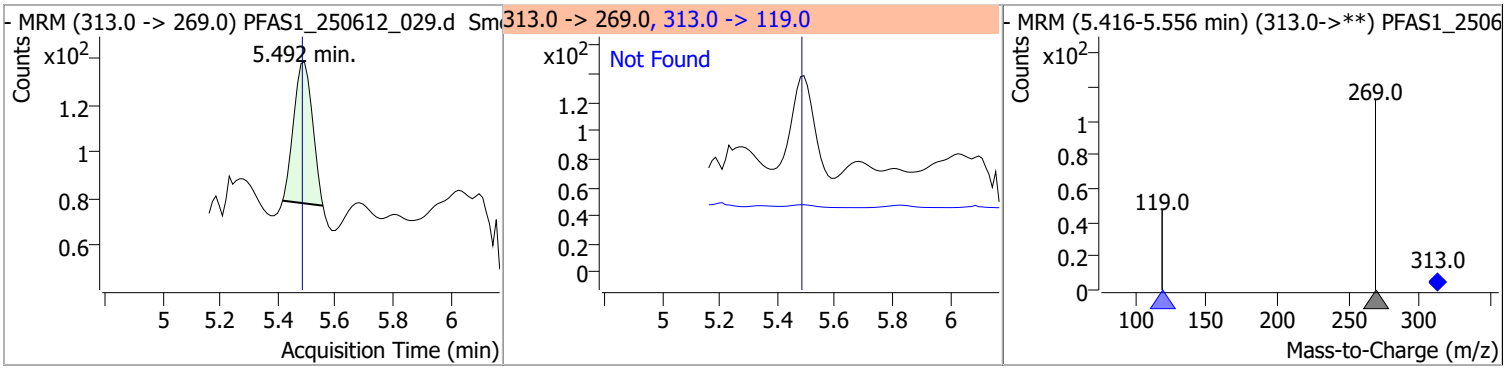
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4346	5.49	0.01	184457	318.0 -> 120.0	1.7	1.1	2.1



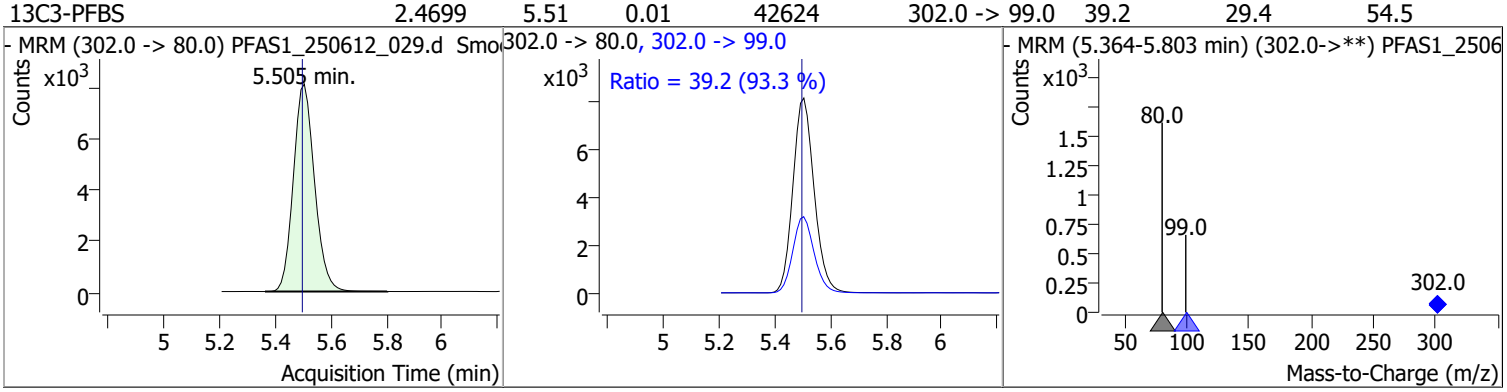
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	183901	315.0 -> 119.0	1.8	1.2	2.3



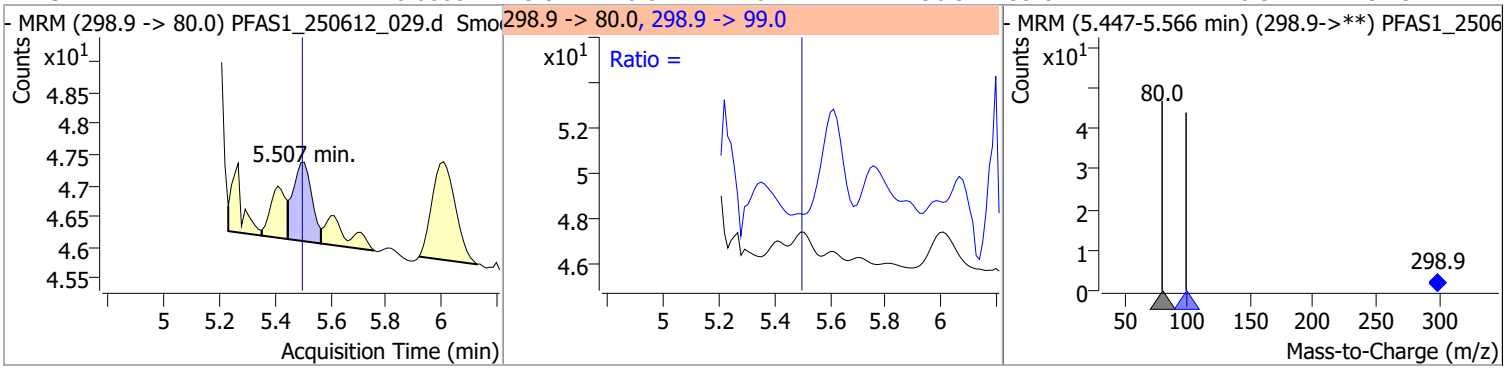
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0103	5.49	0.01	271	313.0 -> 119.0		2.4	4.5



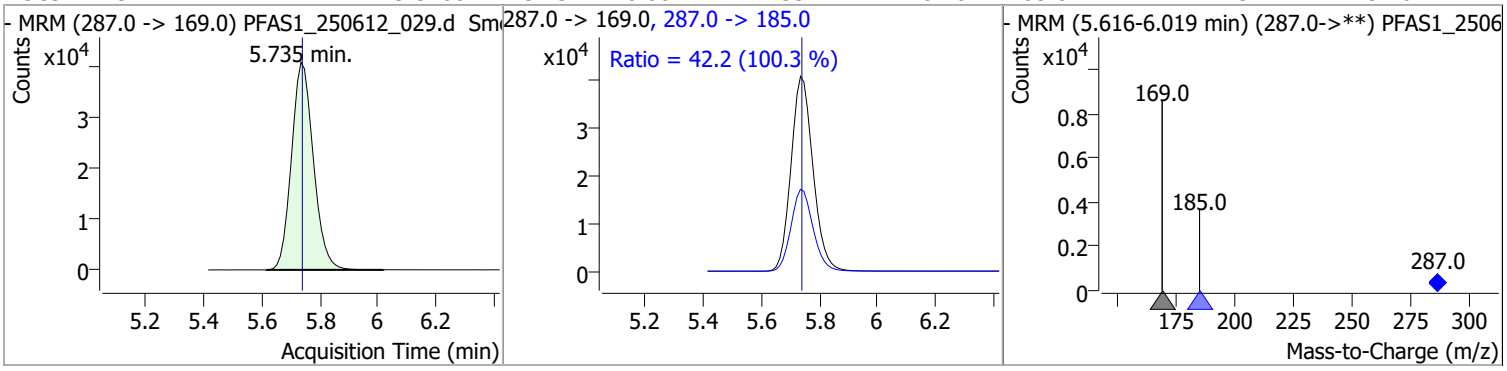
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4699	5.51	0.01	42624	302.0 -> 99.0	39.2	29.4	54.5



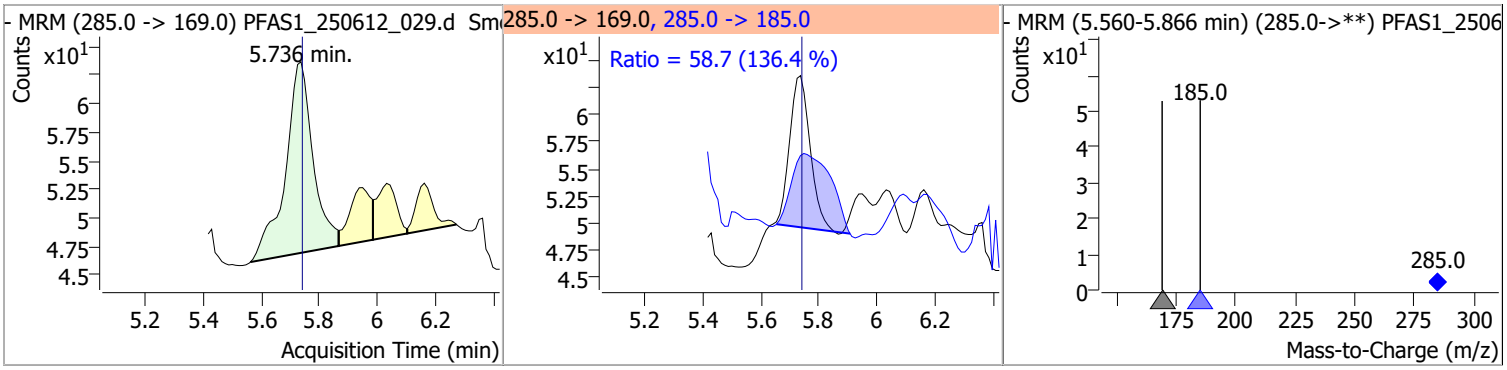
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.51	0.01	6	298.9 -> 99.0		28.3	52.5



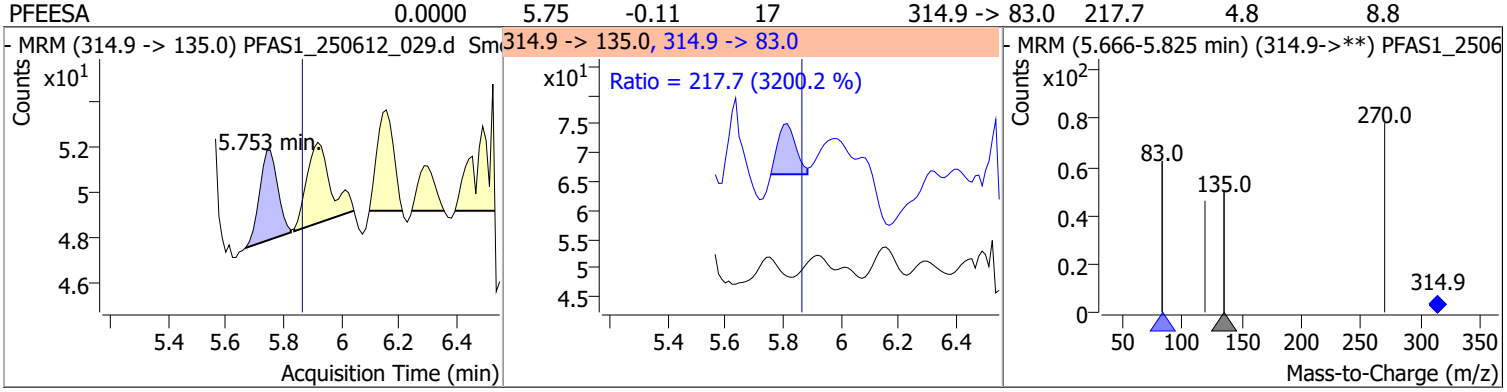
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.3408	5.73	0.00	213377	287.0 -> 185.0	42.2	29.4	54.6



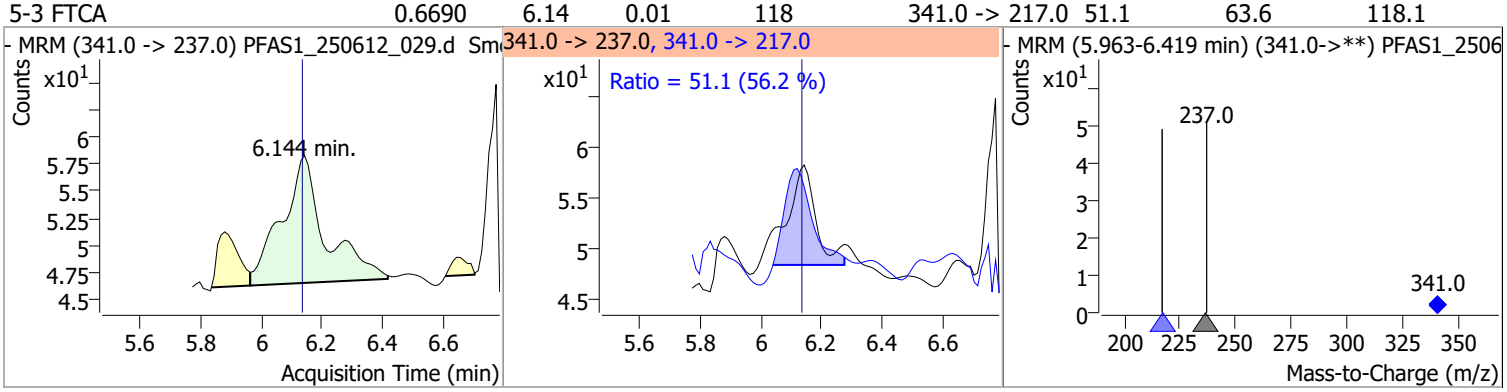
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0142	5.74	0.00	111	285.0 -> 185.0	58.7	30.1	56.0



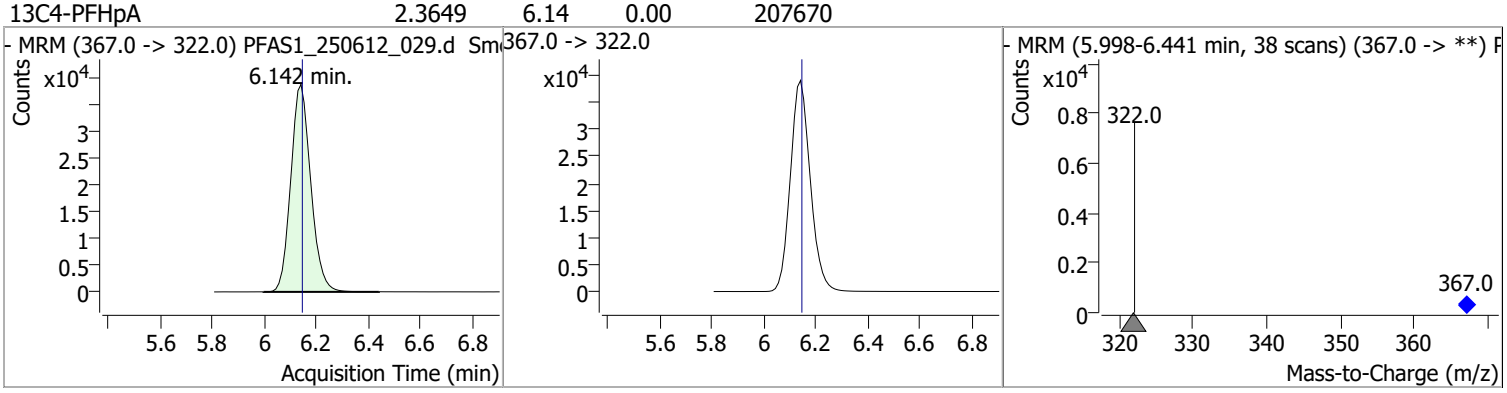
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.75	-0.11	17	314.9 -> 83.0	217.7	4.8	8.8



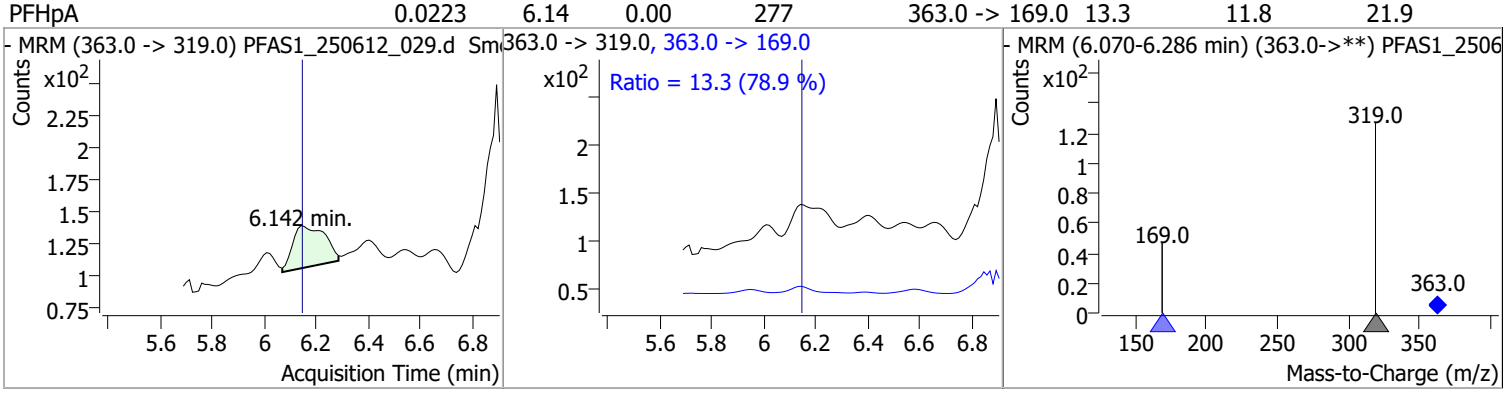
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6690	6.14	0.01	118	341.0 -> 217.0	51.1	63.6	118.1



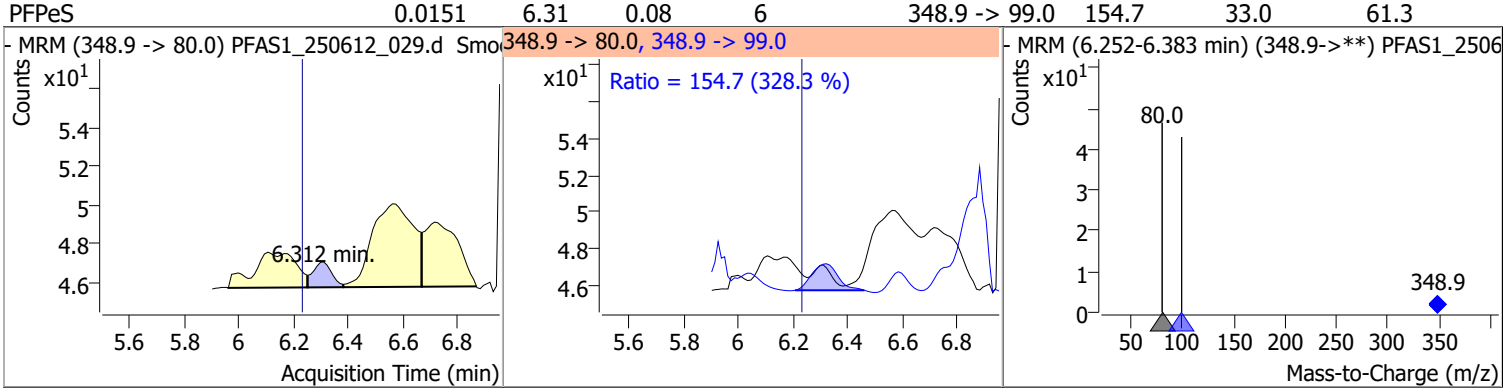
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3649	6.14	0.00	207670				



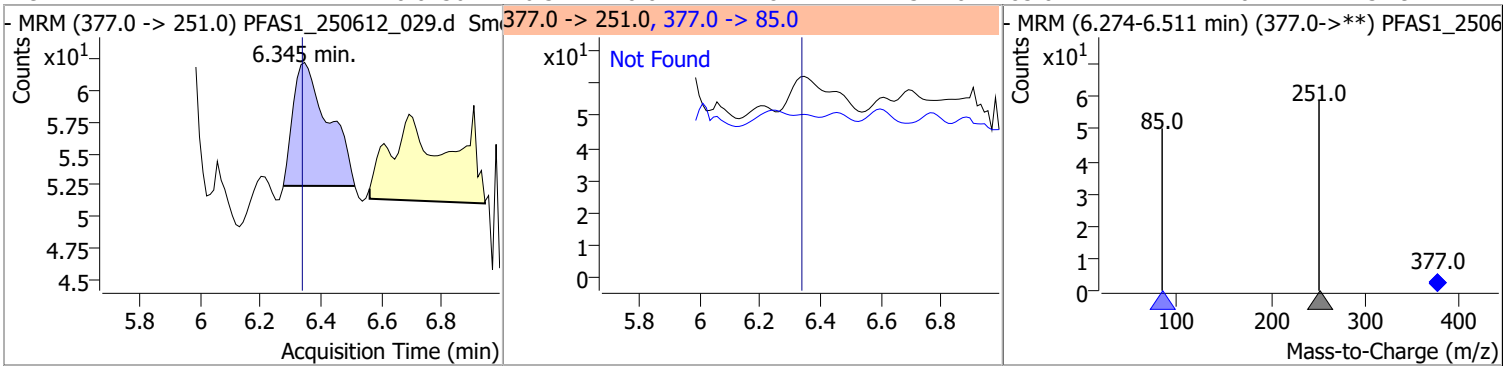
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0223	6.14	0.00	277	363.0 -> 169.0	13.3	11.8	21.9



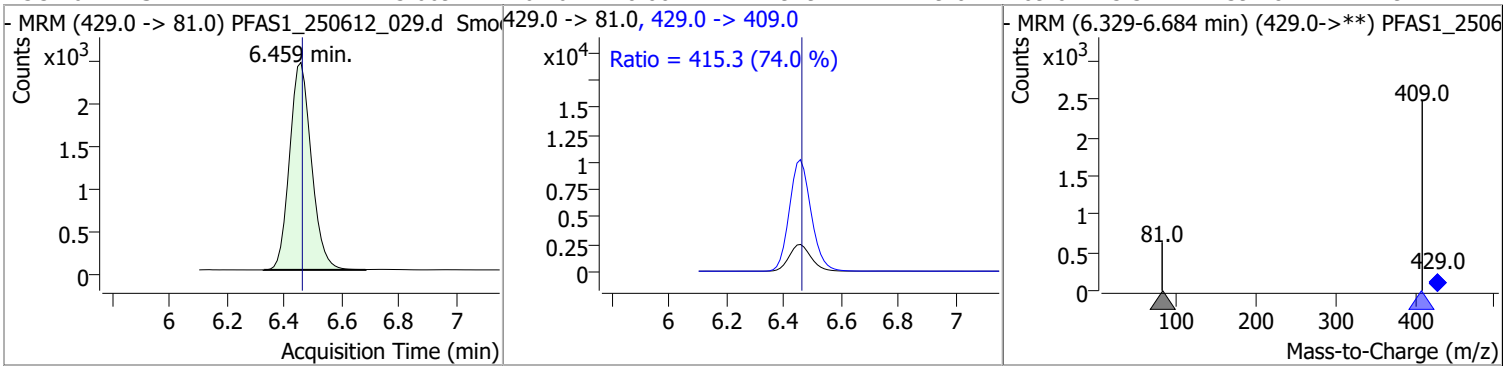
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0151	6.31	0.08	6	348.9 -> 99.0	154.7	33.0	61.3



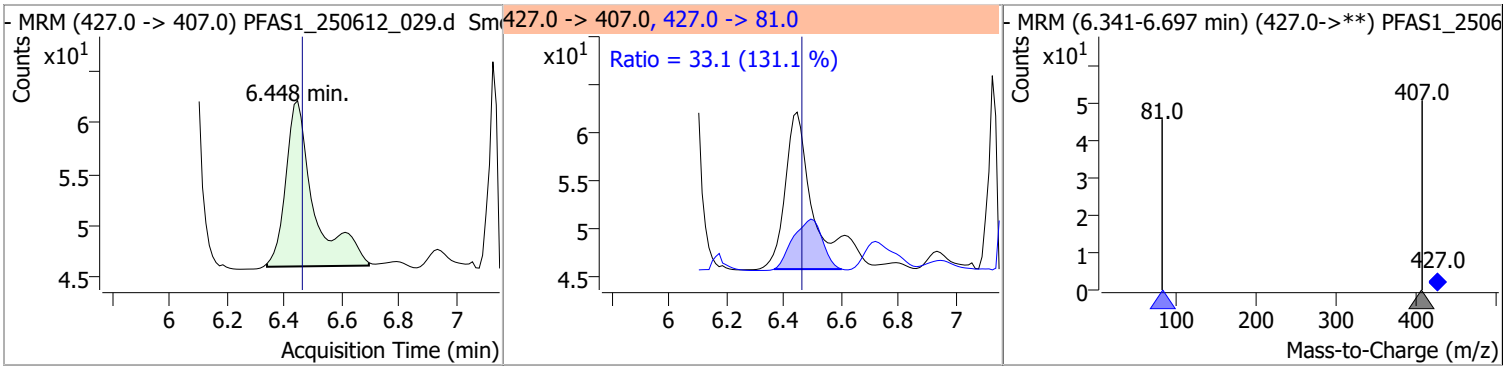
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0436	6.34	0.01	78	377.0 -> 85.0		20.4	37.9



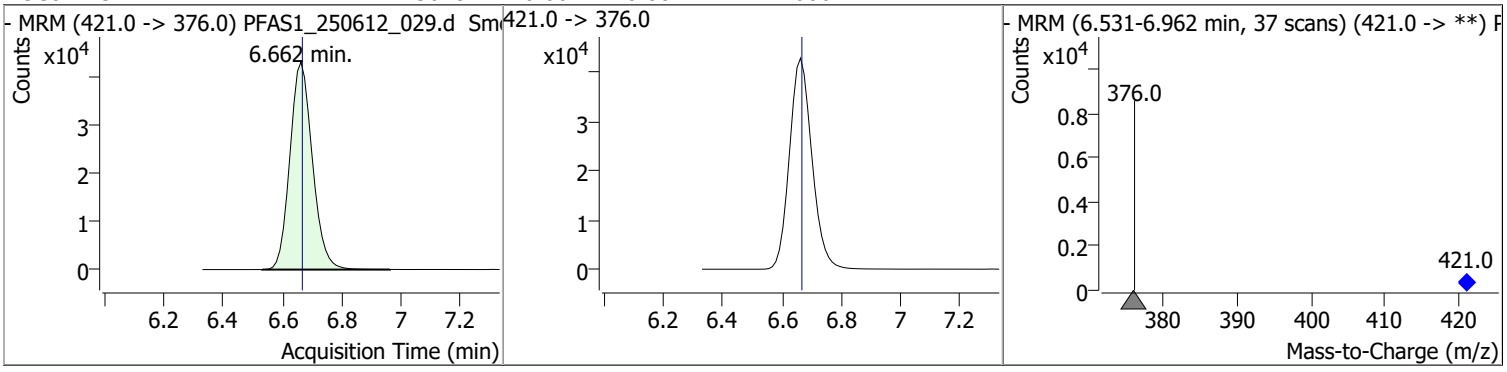
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6697	6.46	0.00	12919	429.0 -> 409.0	415.3	392.8	729.4



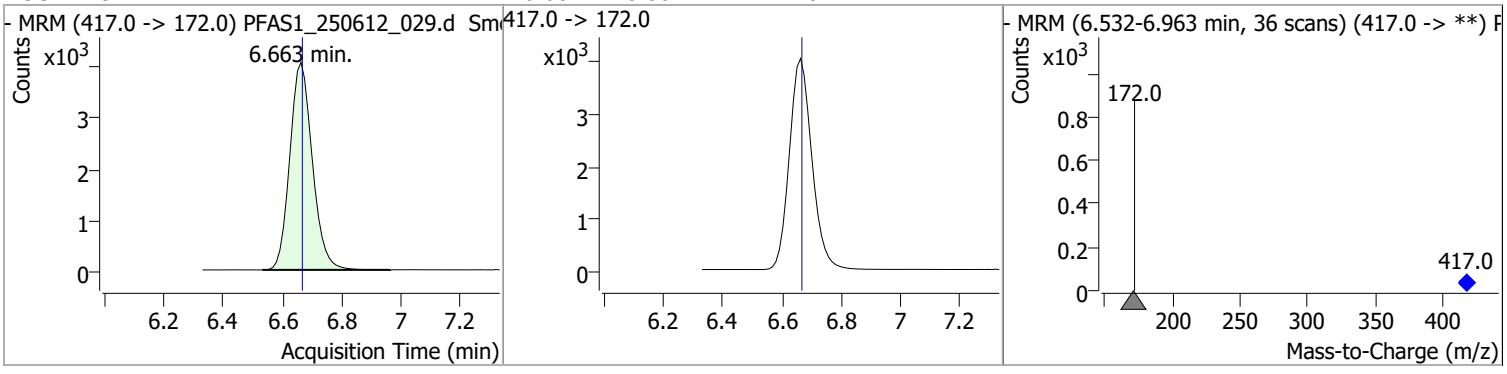
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	112	427.0 -> 81.0	33.1	17.7	32.8



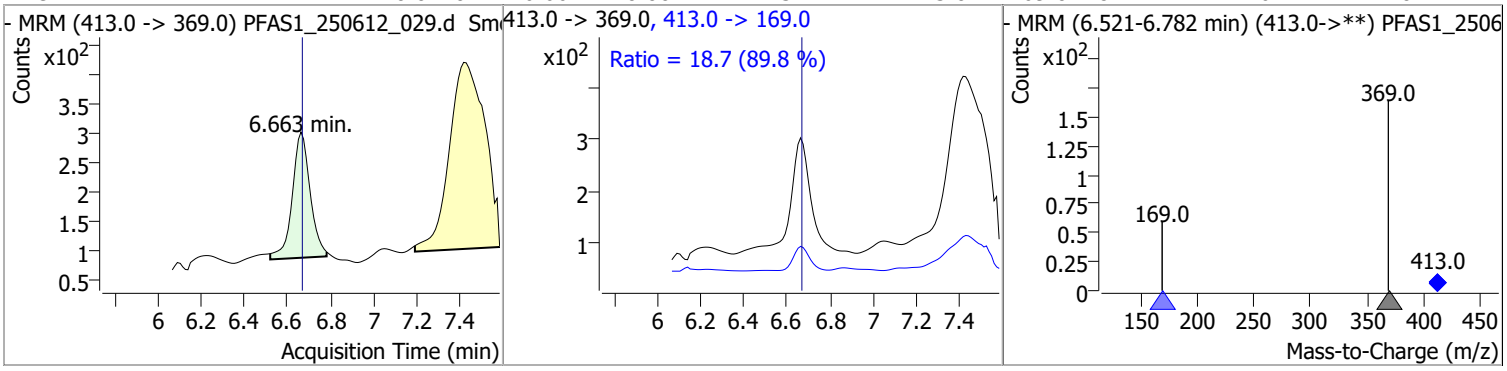
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3628	6.66	0.00	224606				



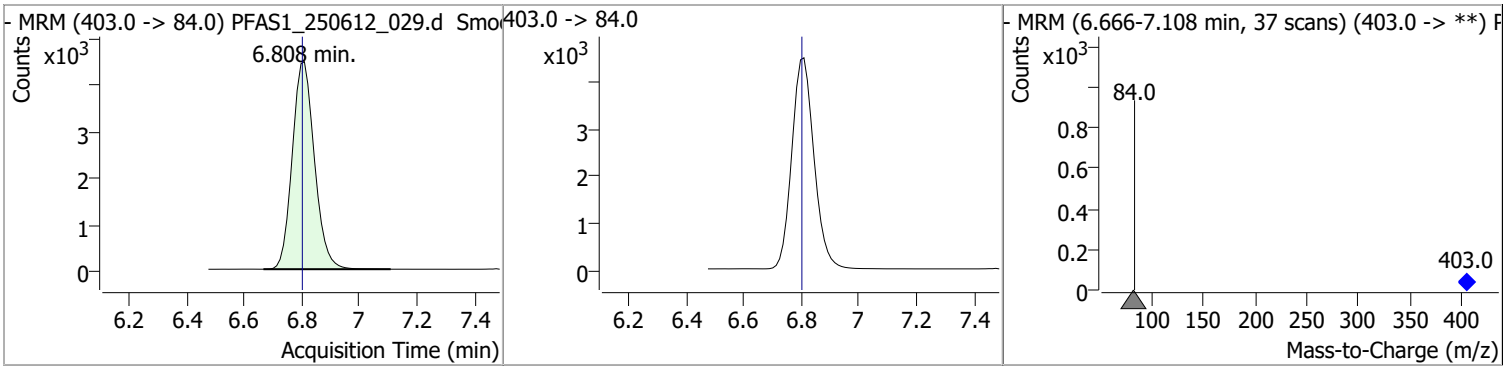
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21228				



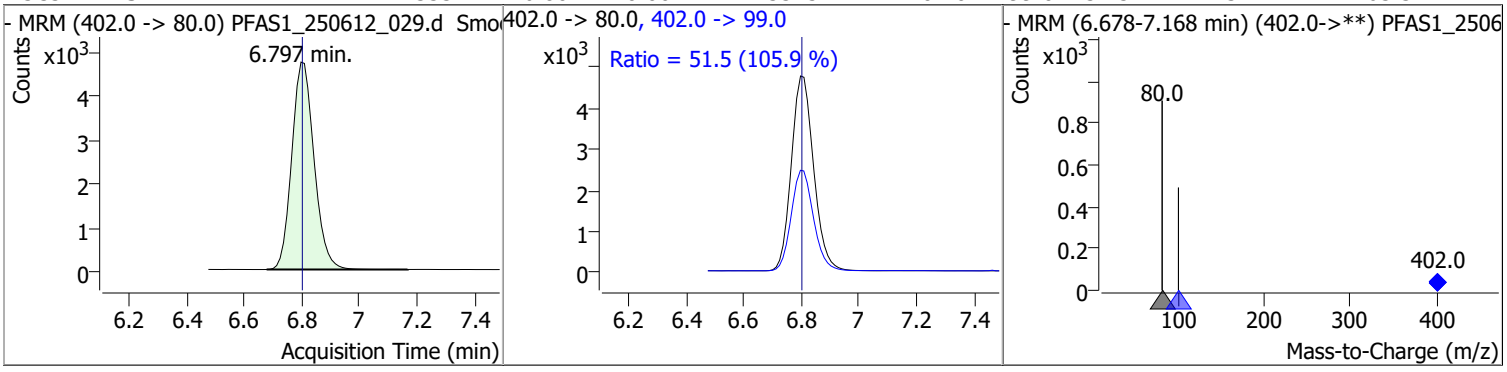
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0240	6.66	0.00	1231	413.0 -> 169.0	18.7	14.6	27.0



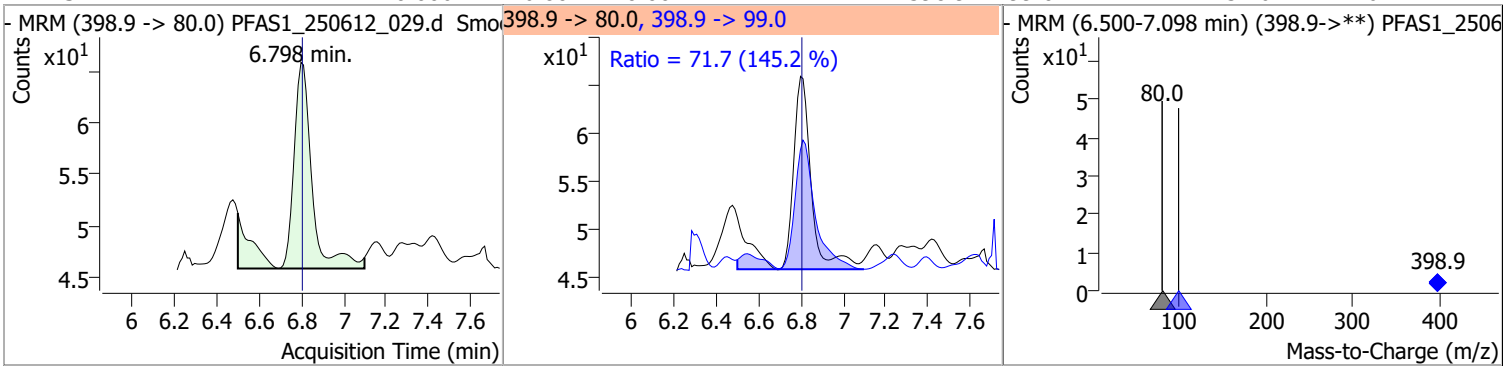
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	23834				



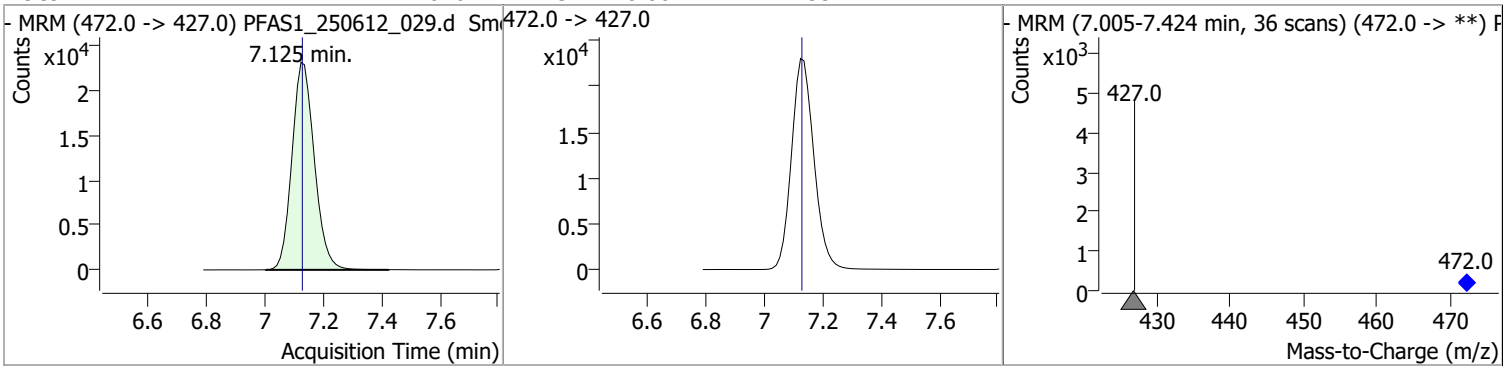
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3331	6.80	0.00	25525	402.0 -> 99.0	51.5	34.1	63.3



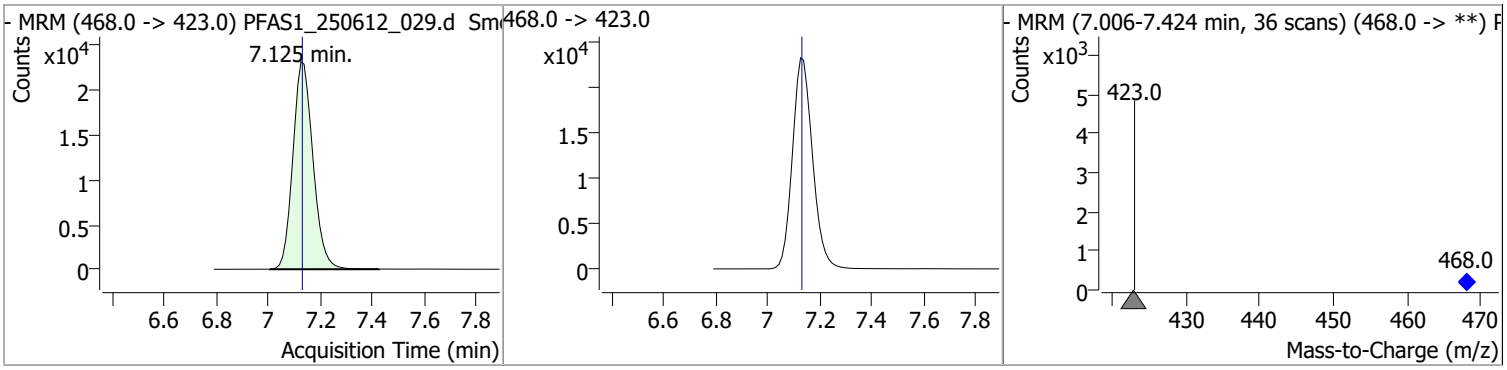
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	142	398.9 -> 99.0	71.7	34.6	64.2



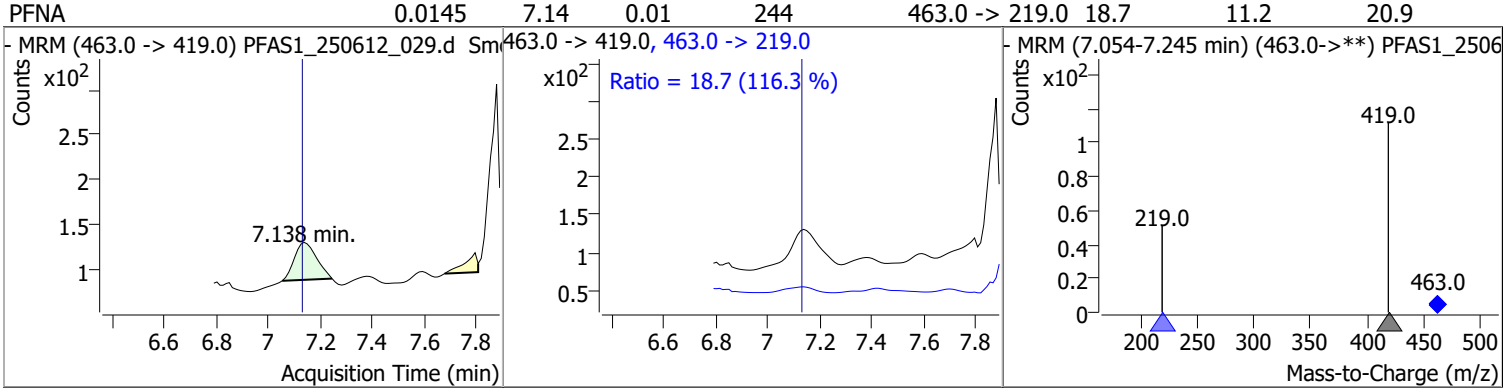
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2026	7.13	0.00	122455				



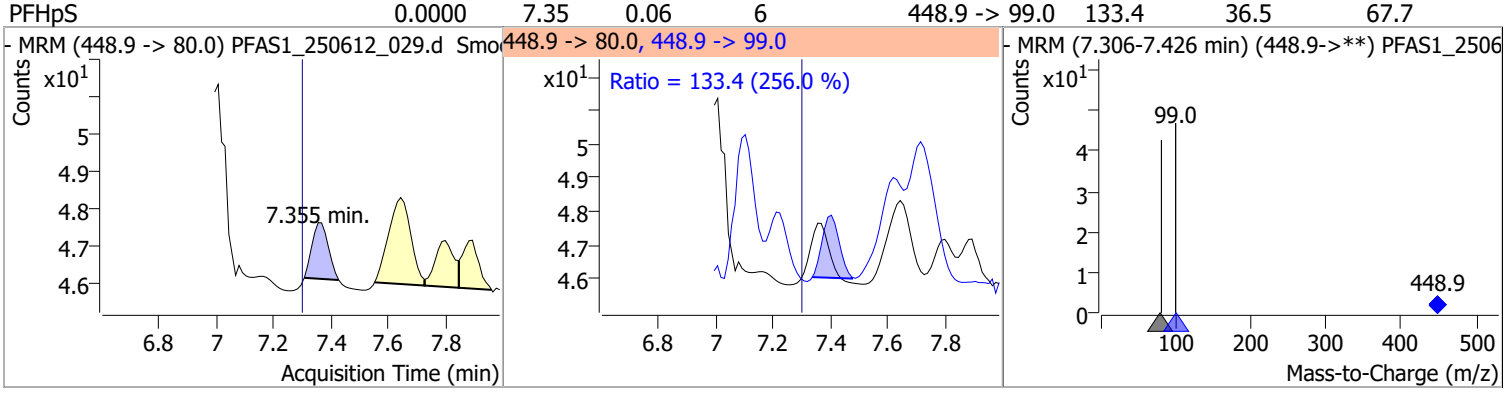
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	124184				



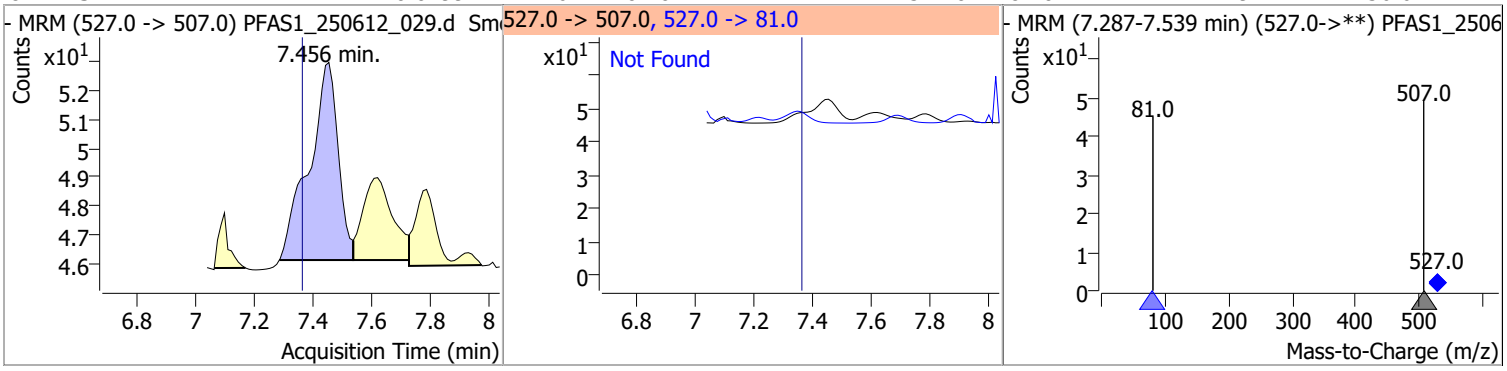
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0145	7.14	0.01	244	463.0 -> 219.0	18.7	11.2	20.9



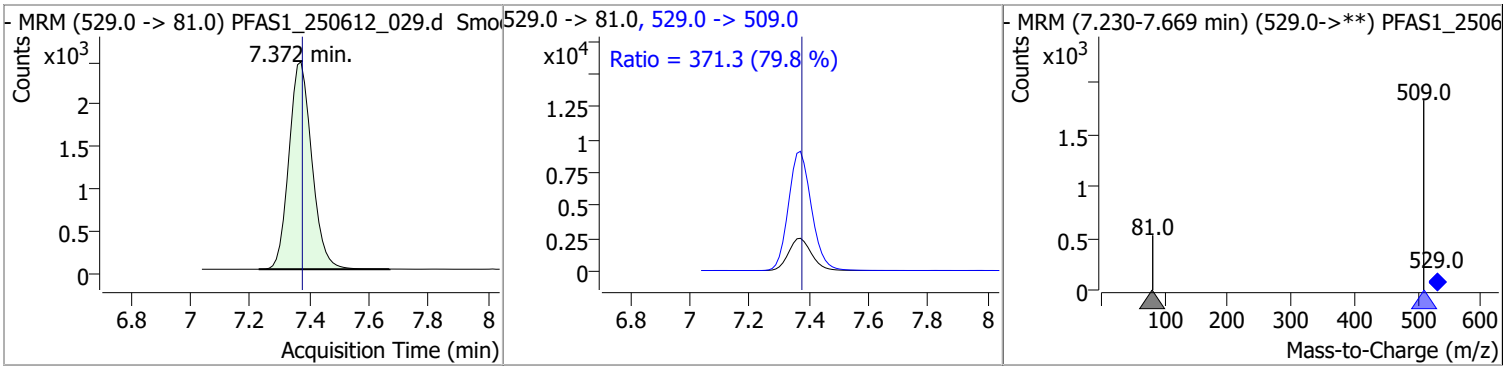
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0000	7.35	0.06	6	448.9 -> 99.0	133.4	36.5	67.7



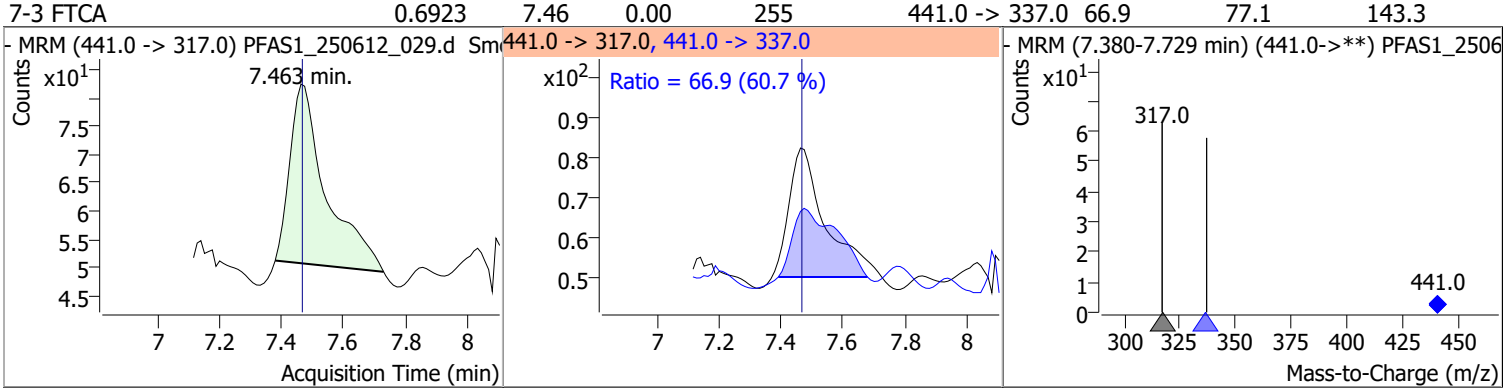
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0199	7.46	0.10	47	527.0 -> 81.0		19.7	36.6



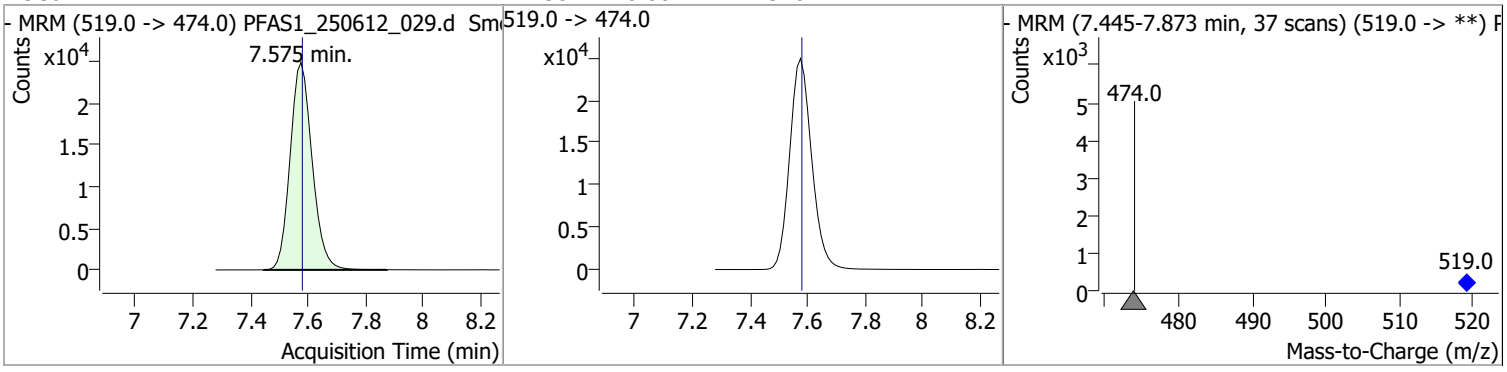
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2409	7.37	0.00	13076	529.0 -> 509.0	371.3	325.6	604.6



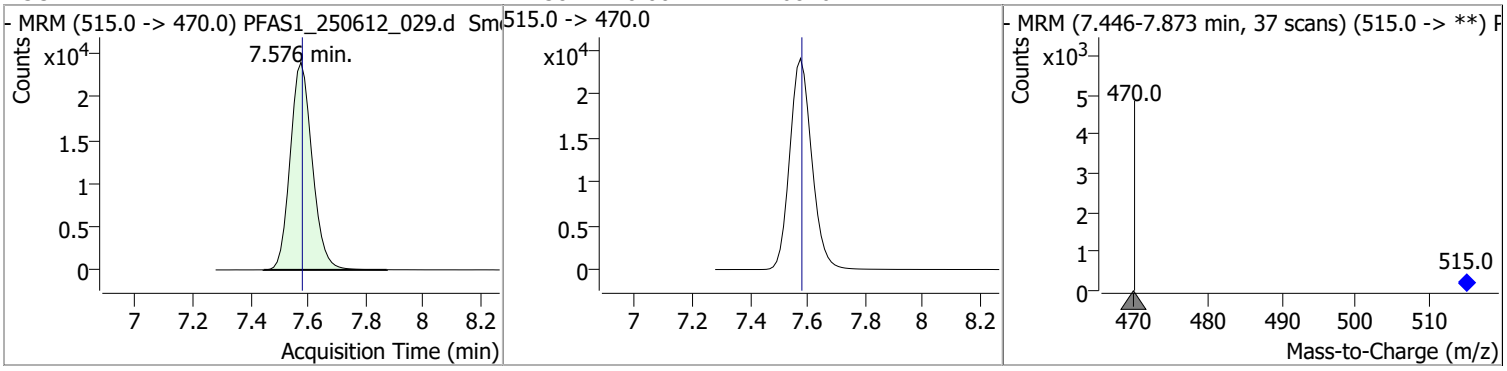
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.6923	7.46	0.00	255	441.0 -> 337.0	66.9	77.1	143.3



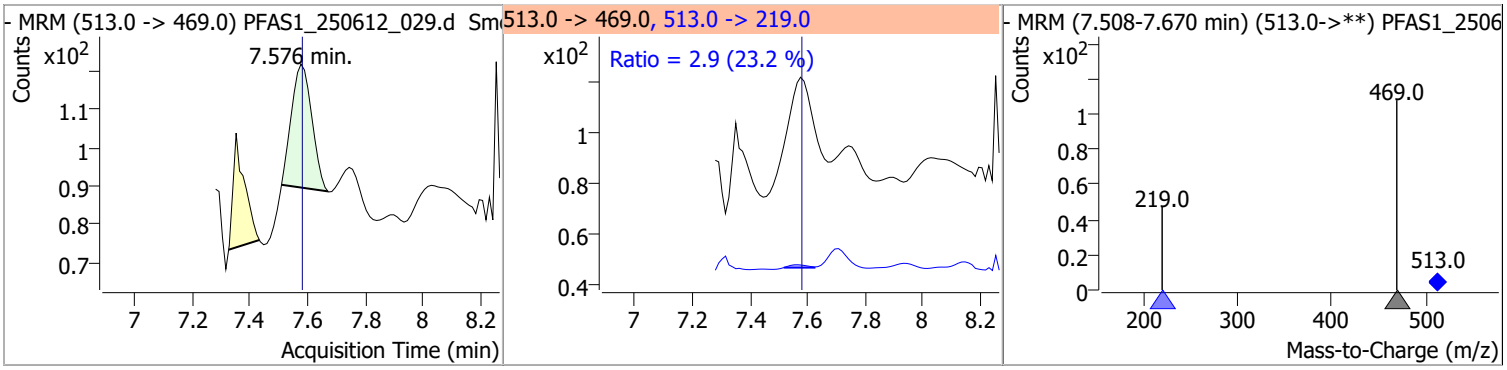
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2221	7.58	0.00	131621				



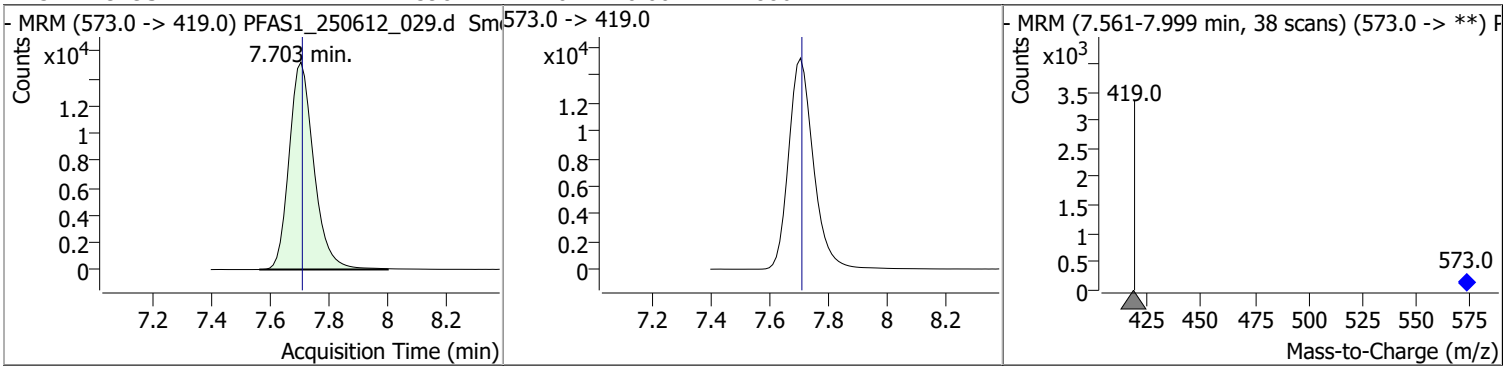
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	126826				



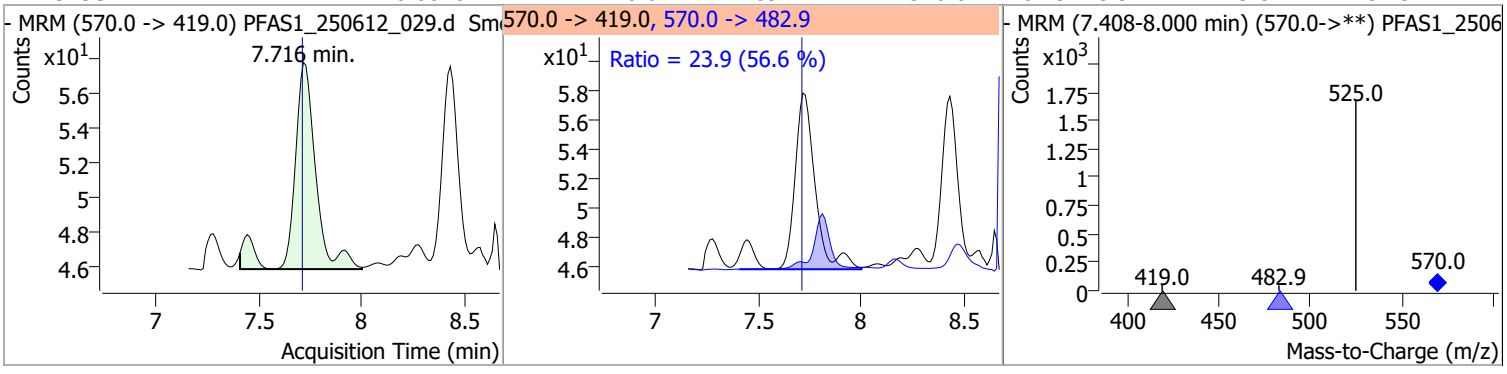
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0187	7.58	0.00	156	513.0 -> 219.0	2.9	8.7	16.2



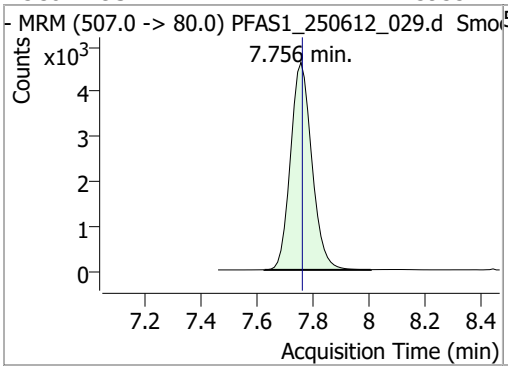
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5984	7.70	0.00	88672				

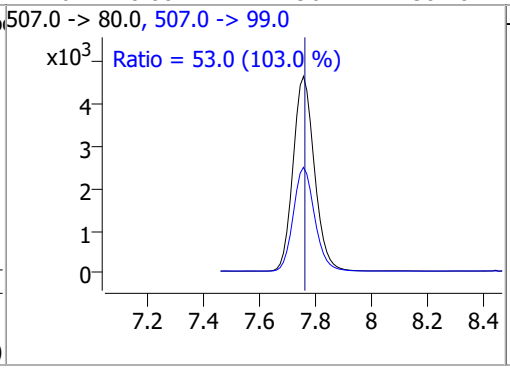


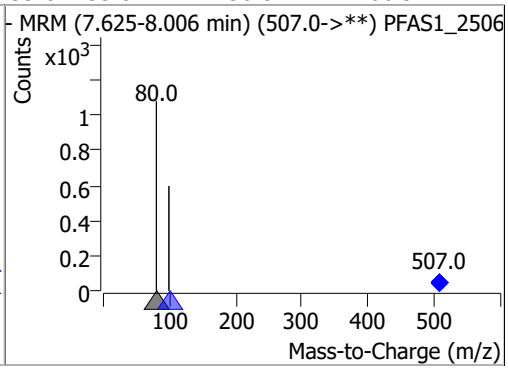
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0028	7.72	0.01	89	570.0 -> 482.9	23.9	29.5	54.9



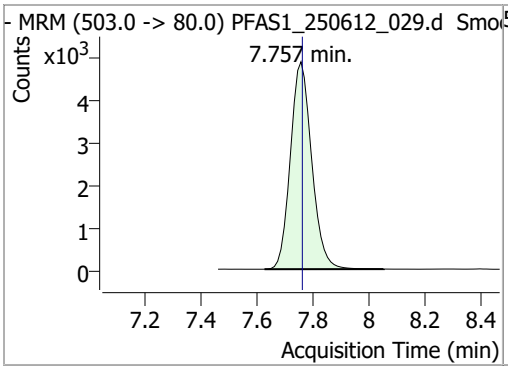
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3935	7.76	0.00	24496	507.0 -> 99.0	53.0	36.0	66.9

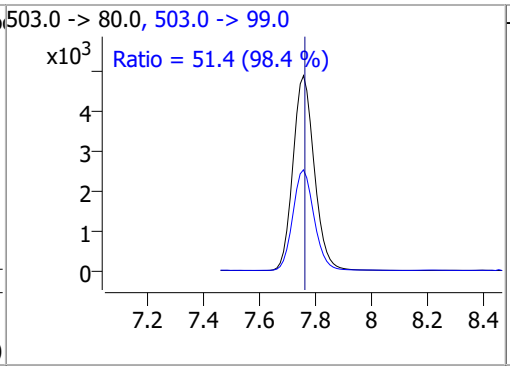


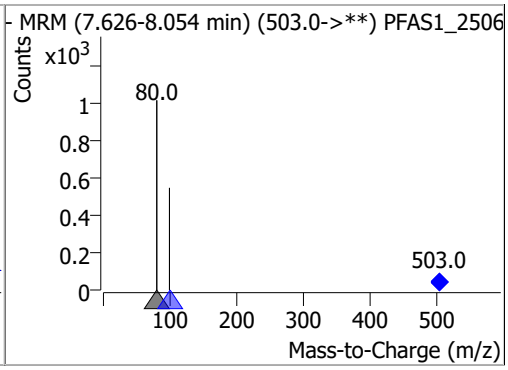




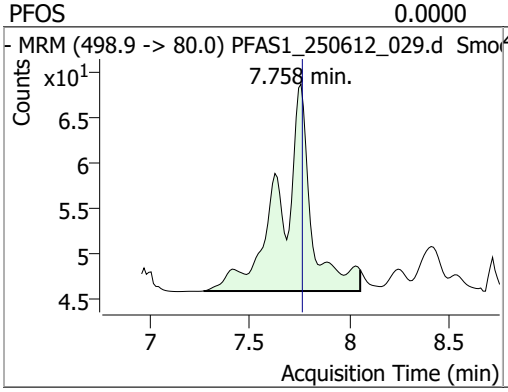
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25825	503.0 -> 99.0	51.4	36.6	67.9

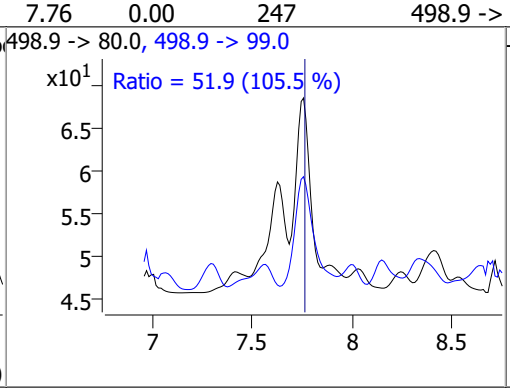


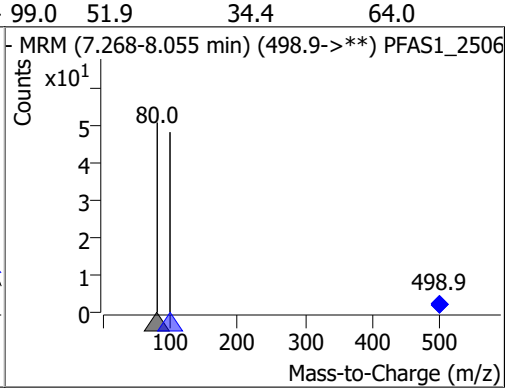




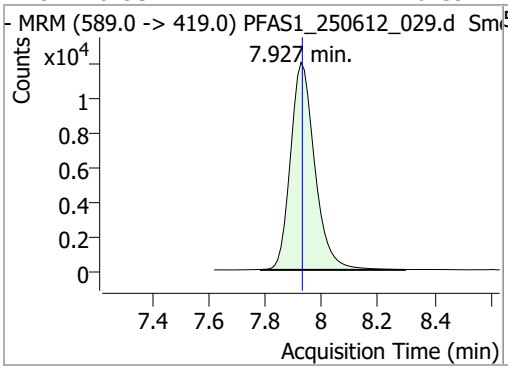
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.76	0.00	247	498.9 -> 99.0	51.9	34.4	64.0

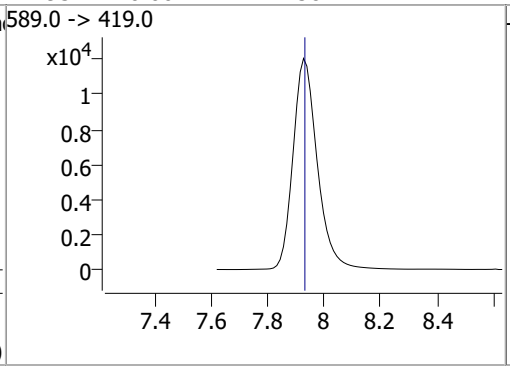


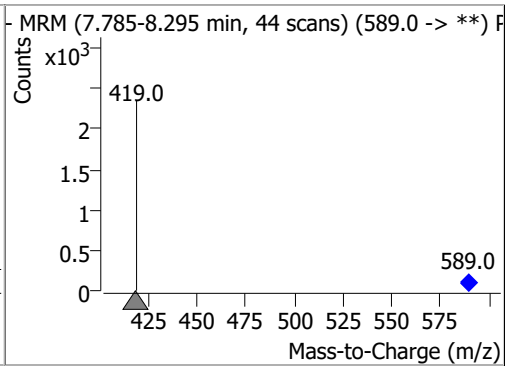




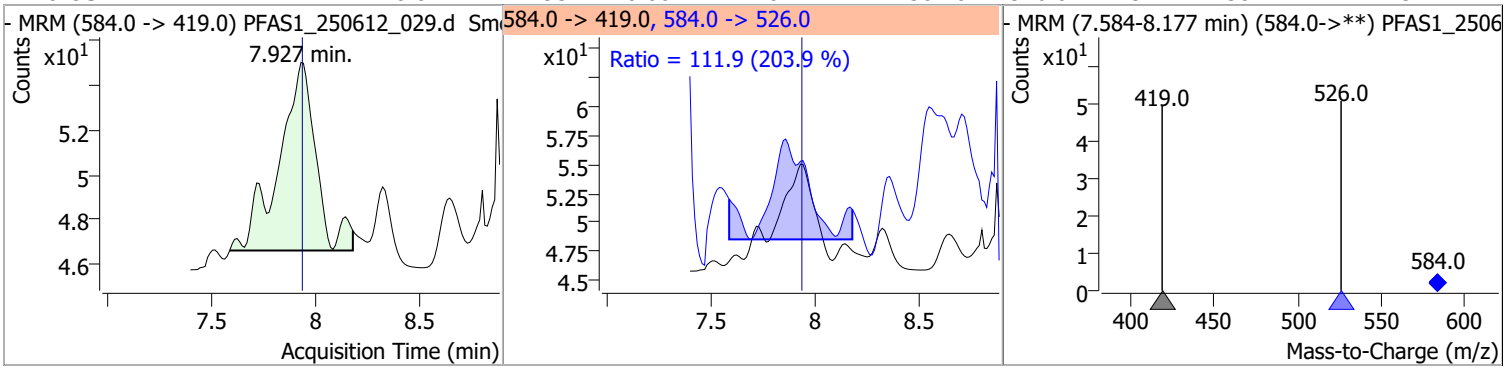
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6439	7.93	0.00	71758				



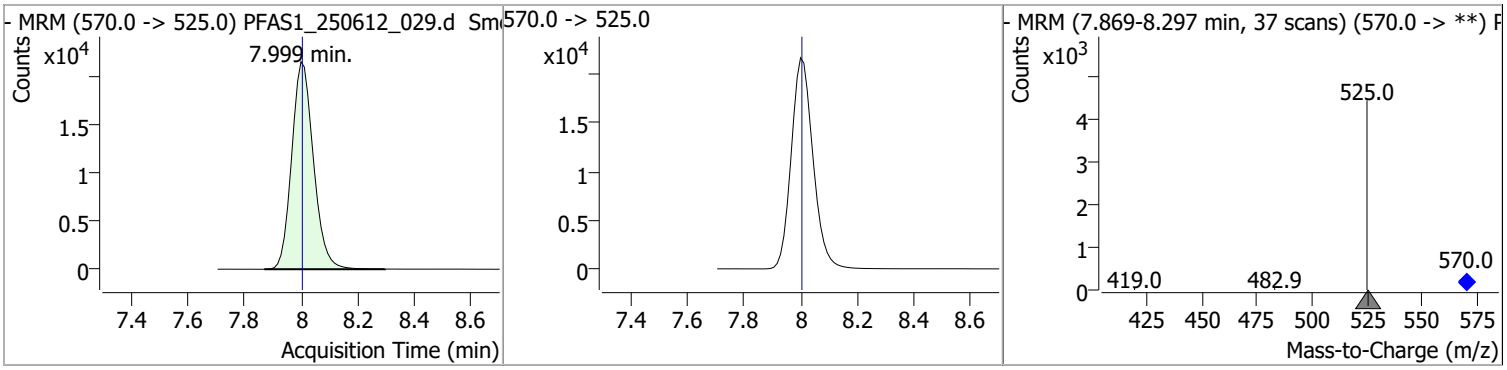




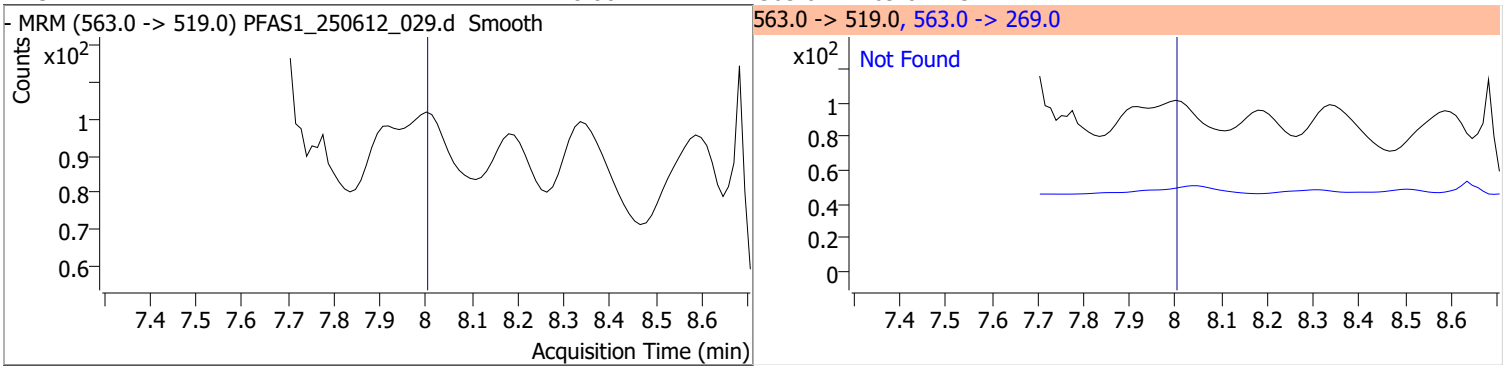
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0174	7.93	0.00	104	584.0 -> 526.0	111.9	38.4	71.3



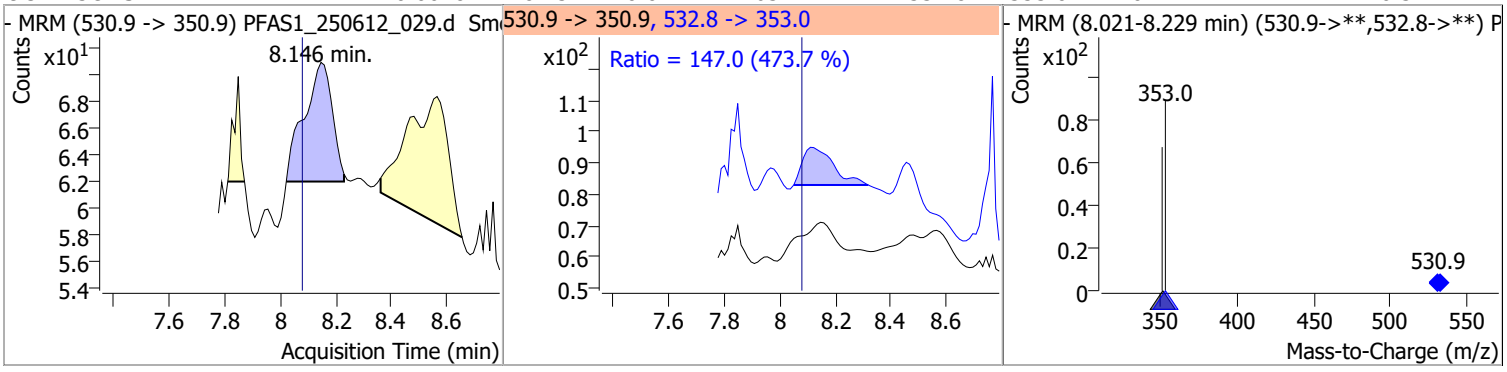
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2361	8.00	0.00	115592				



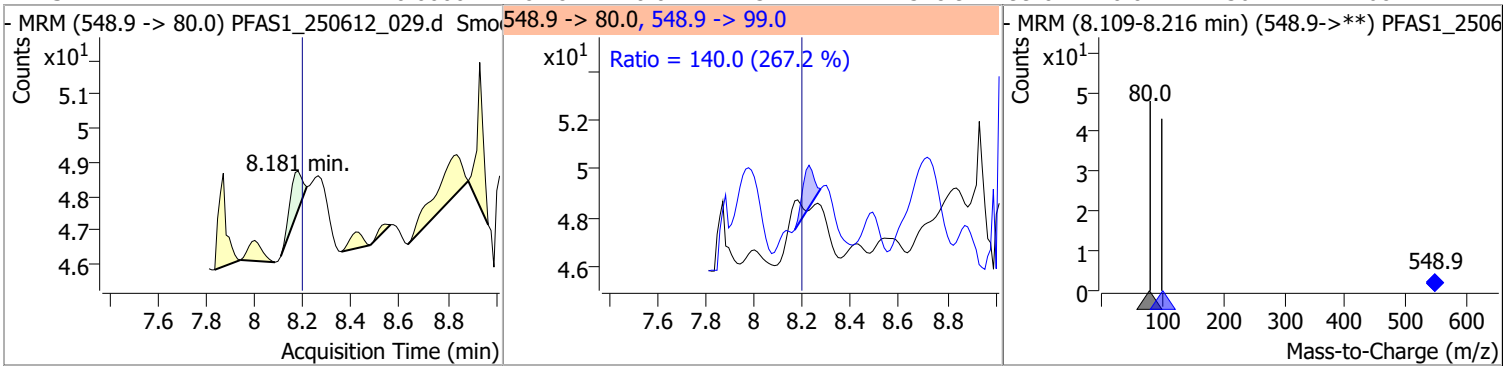
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	8.00	563.0 -> 269.0	15.7



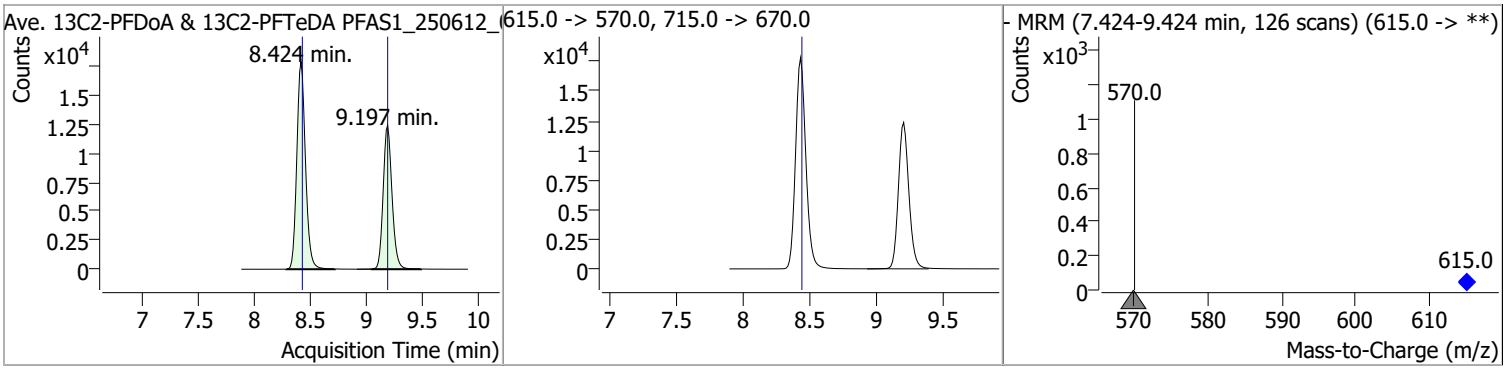
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0018	8.15	0.07	63	532.8 -> 353.0	147.0	21.7	40.3



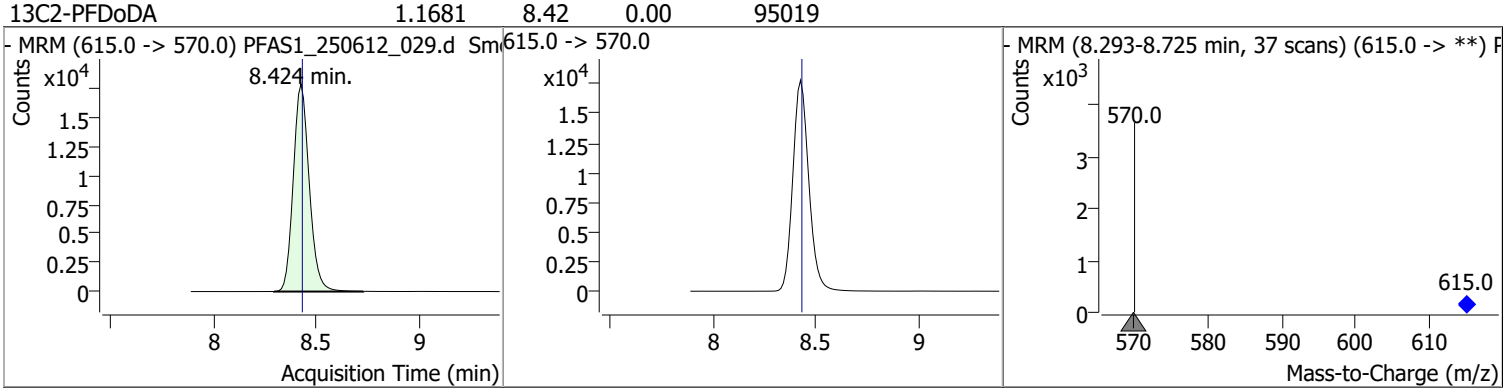
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.18	-0.01	5	548.9 -> 99.0	140.0	36.7	68.1



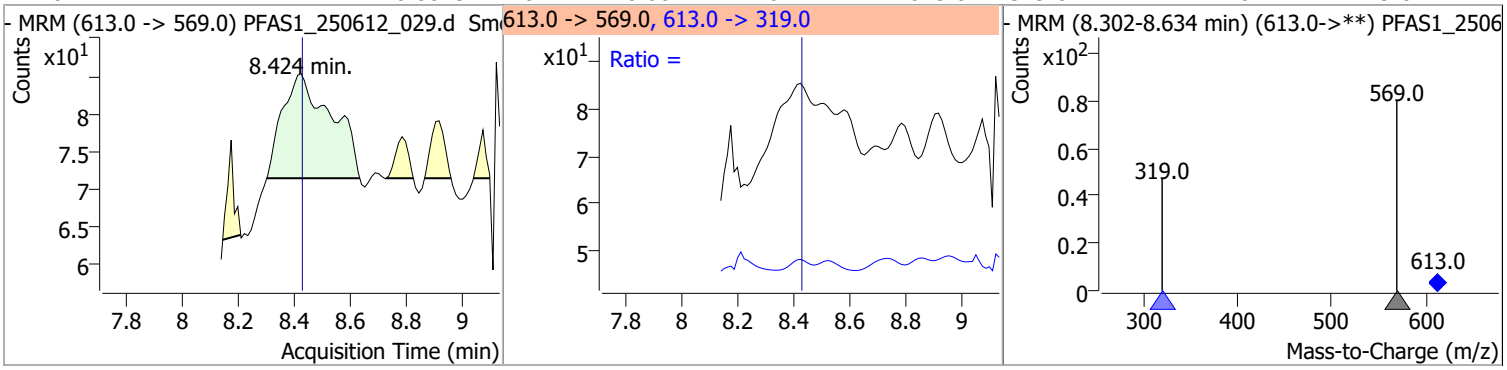
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0107	8.81	0.39	81200				



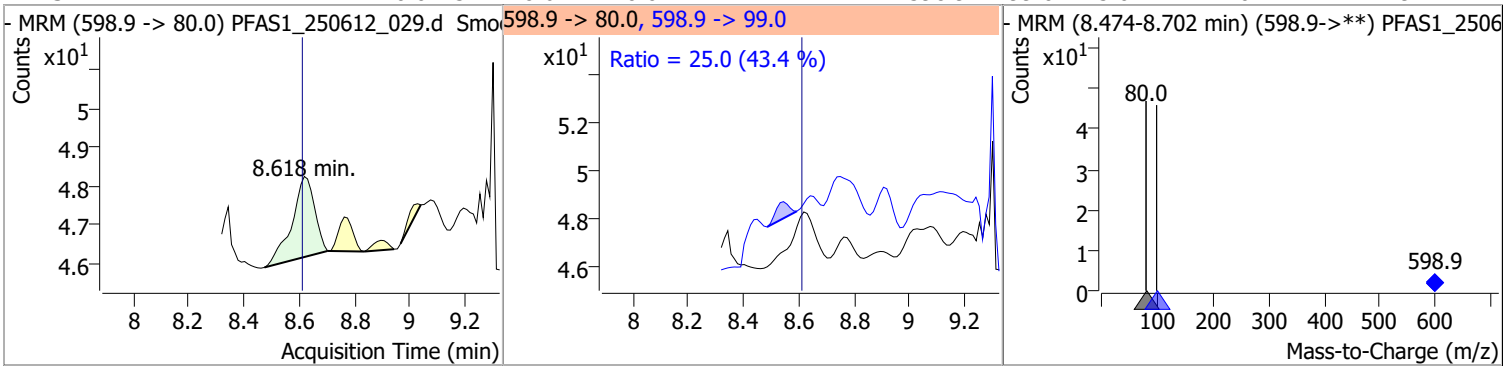
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1681	8.42	0.00	95019				



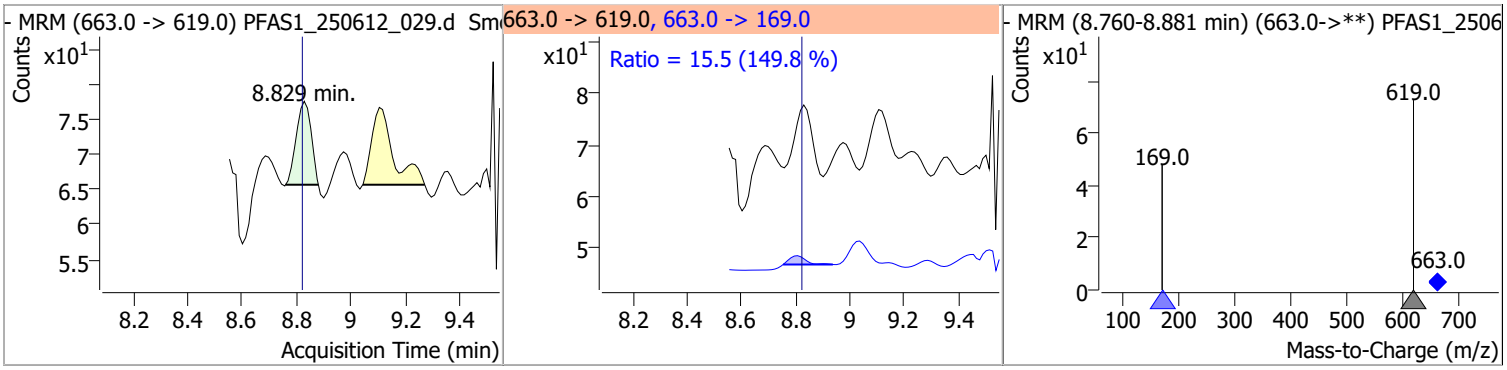
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0075	8.42	0.00	167	613.0 -> 319.0	10.2		19.0



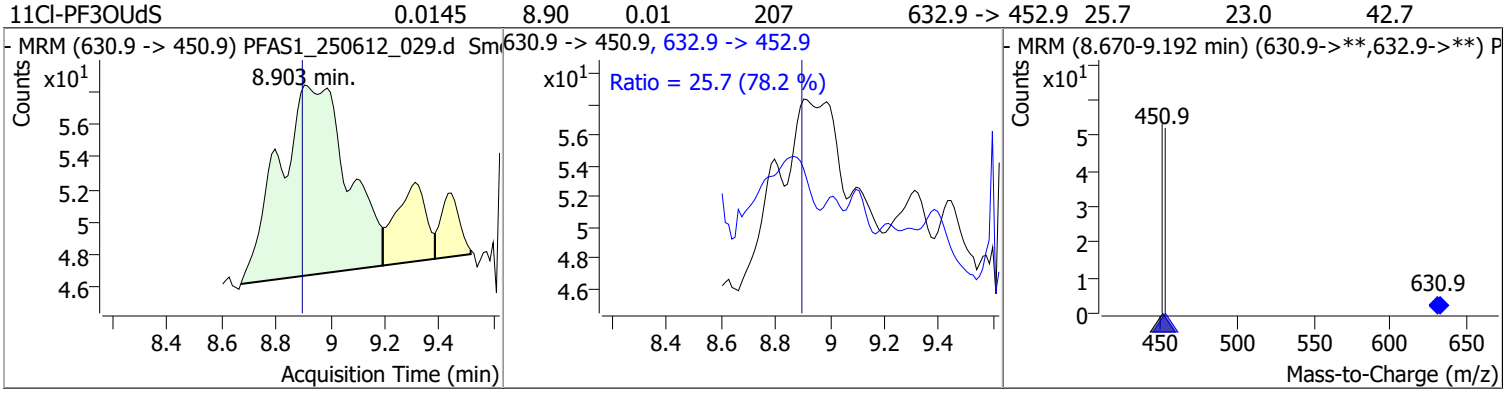
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0173	8.62	0.01	12	598.9 -> 99.0	25.0	40.4	74.9



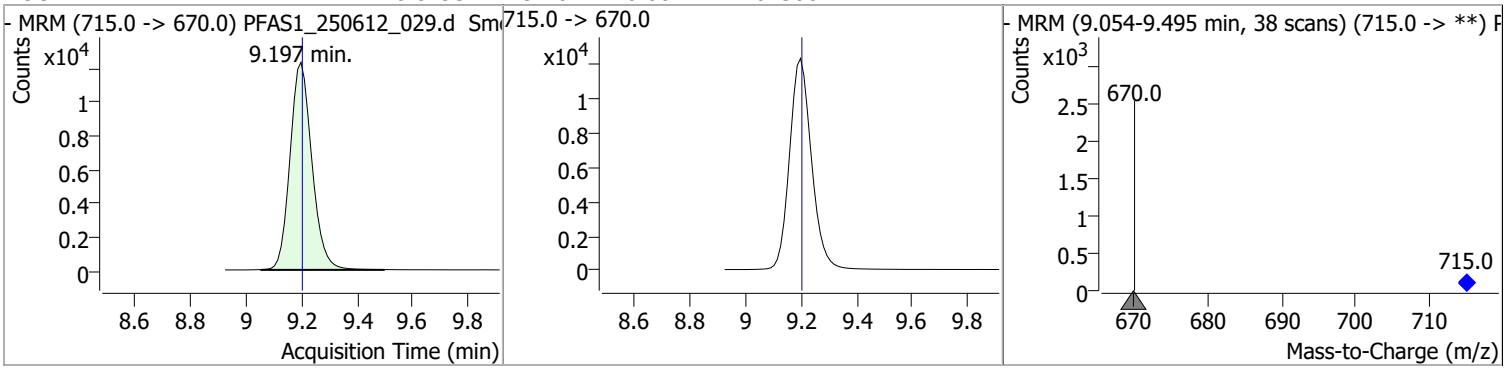
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0160	8.83	0.01	45	663.0 -> 169.0	15.5	7.2	13.4



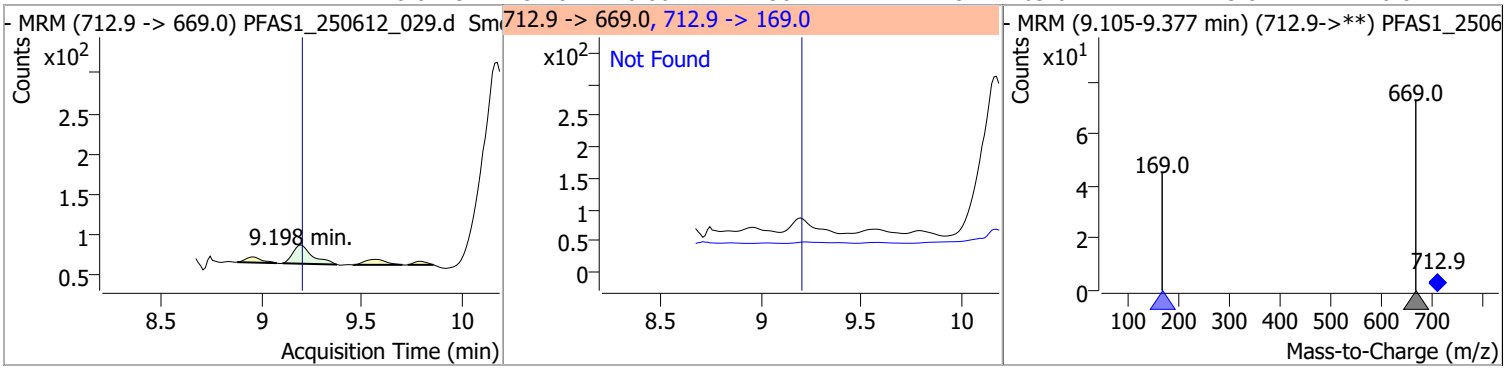
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0145	8.90	0.01	207	632.9 -> 452.9	25.7	23.0	42.7



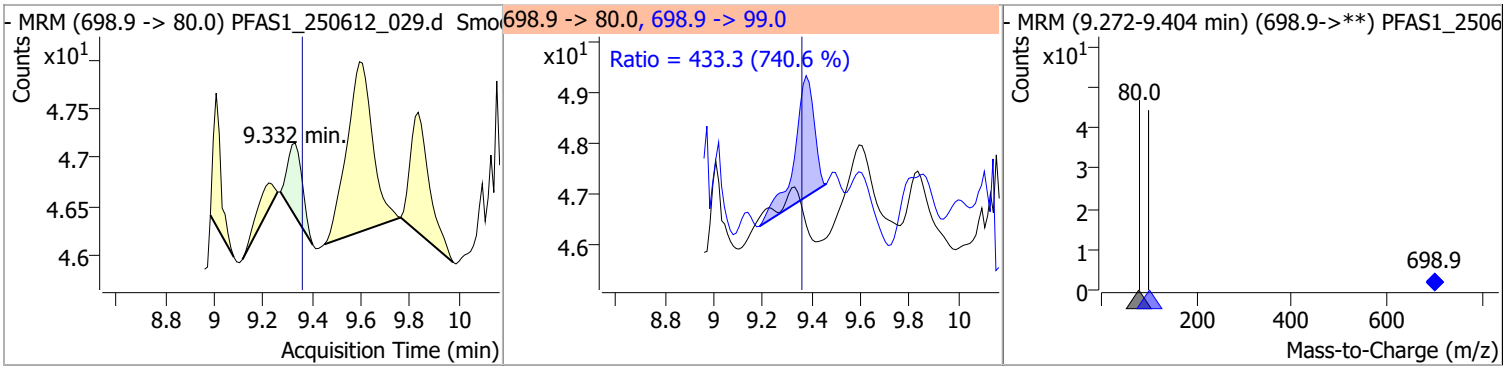
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8493	9.20	0.00	67380				



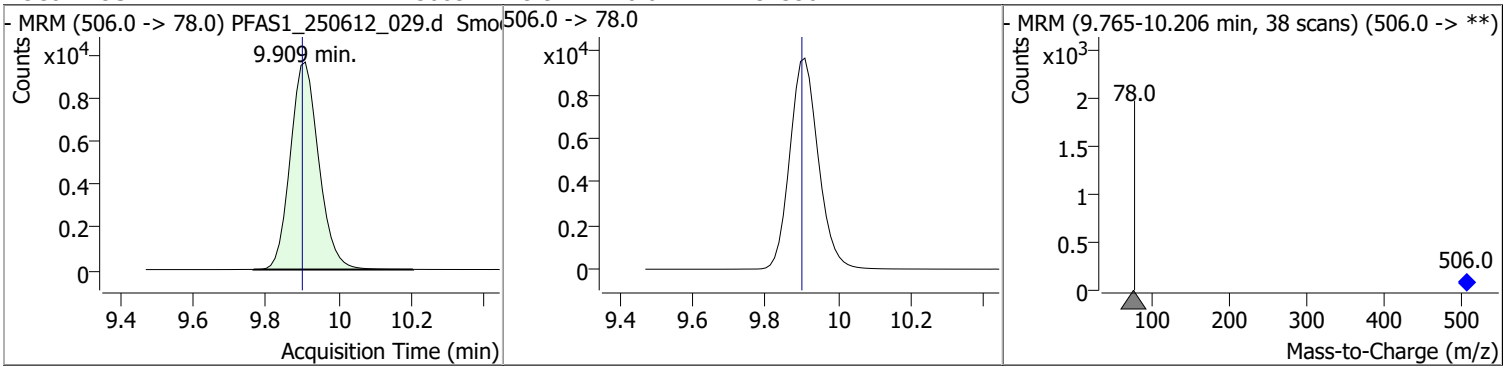
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0175	9.20	0.00	158	712.9 -> 169.0		5.8	10.8



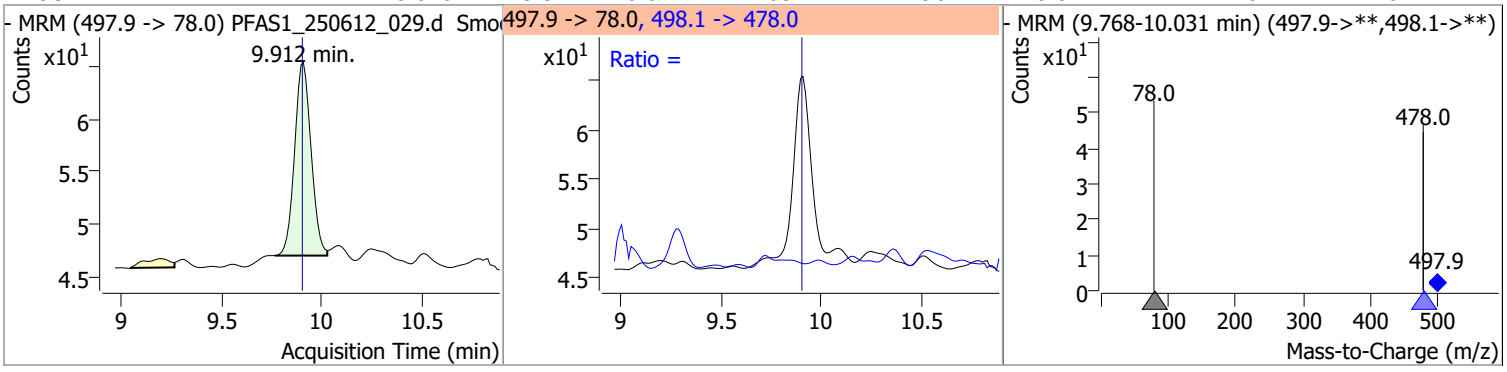
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0198	9.33	-0.02	3	698.9 -> 99.0	433.3	41.0	76.1



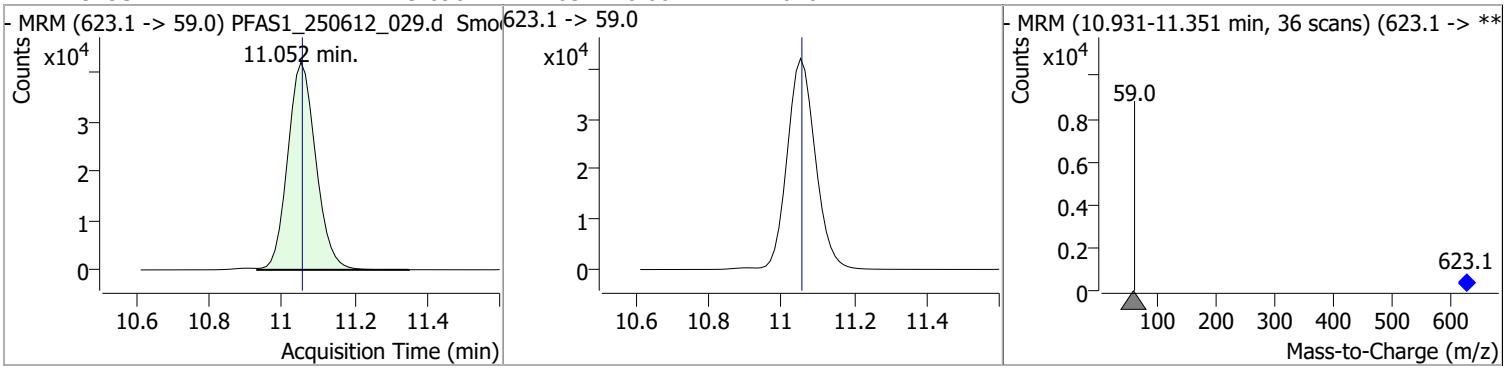
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3083	9.91	0.01	52350				



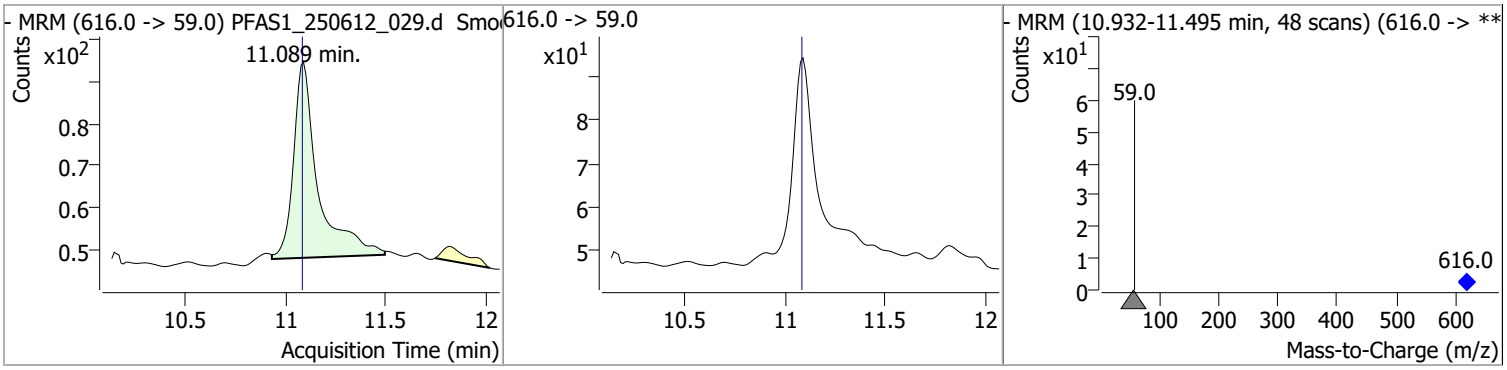
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0102	9.91	0.01	105	498.1 -> 478.0		2.6	4.8



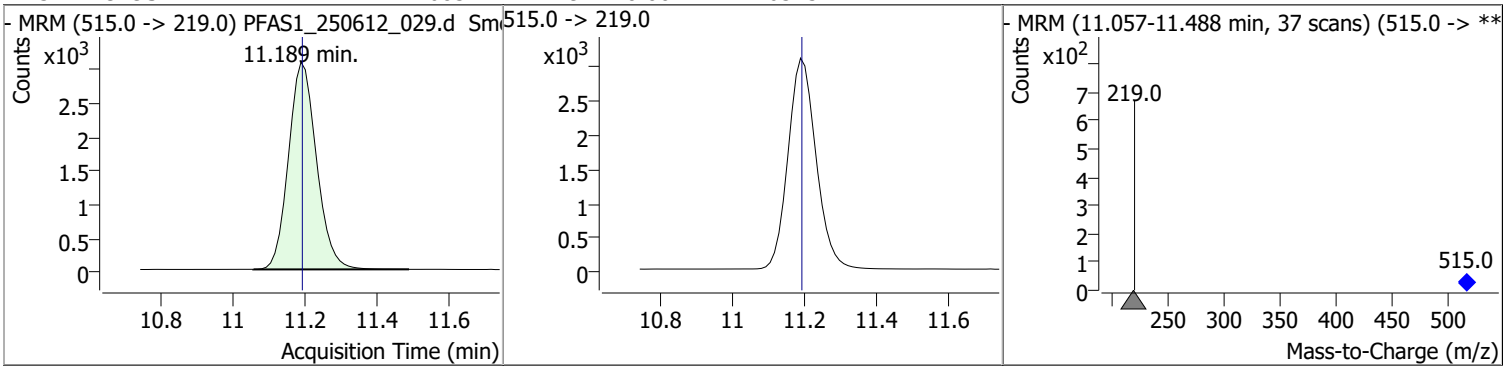
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8982	11.05	0.00	226102				



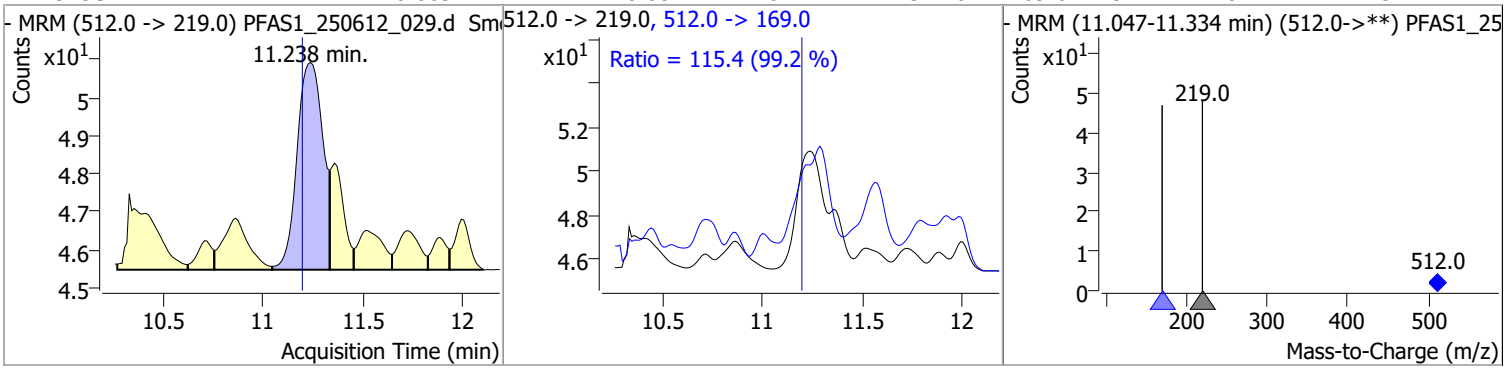
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	395				



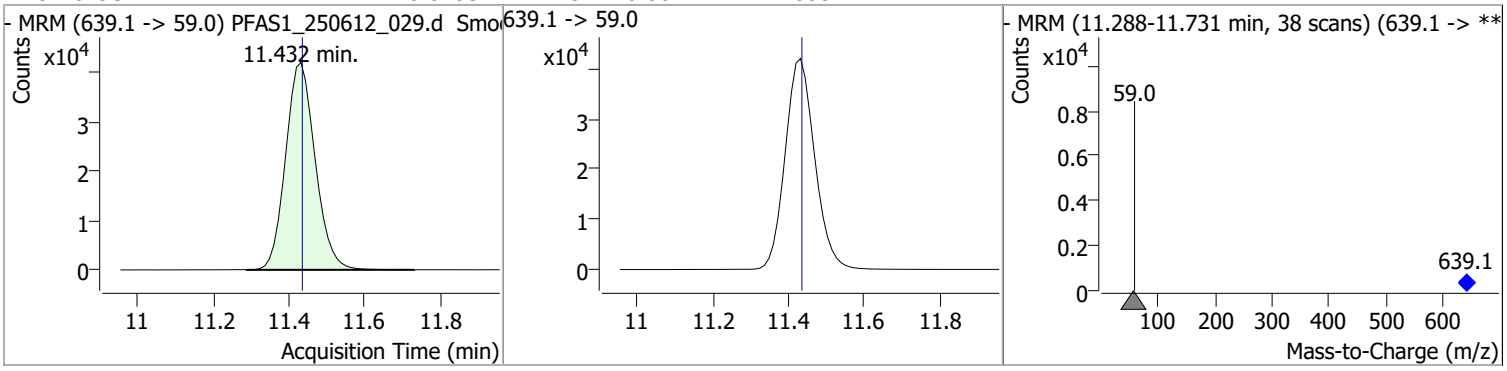
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1683	11.19	0.00	16515				



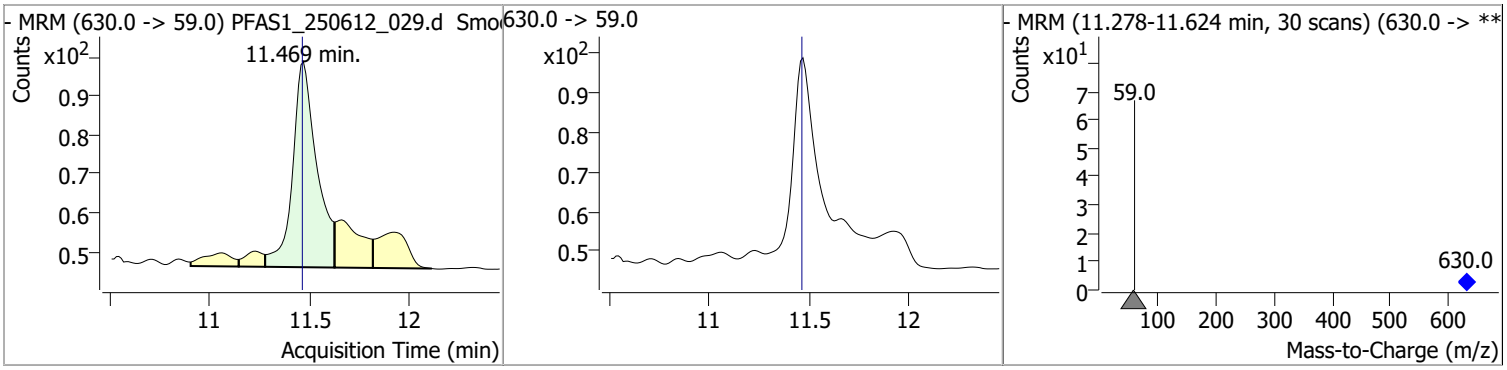
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0091	11.24	0.05	48	512.0 -> 169.0	115.4	81.4	151.2



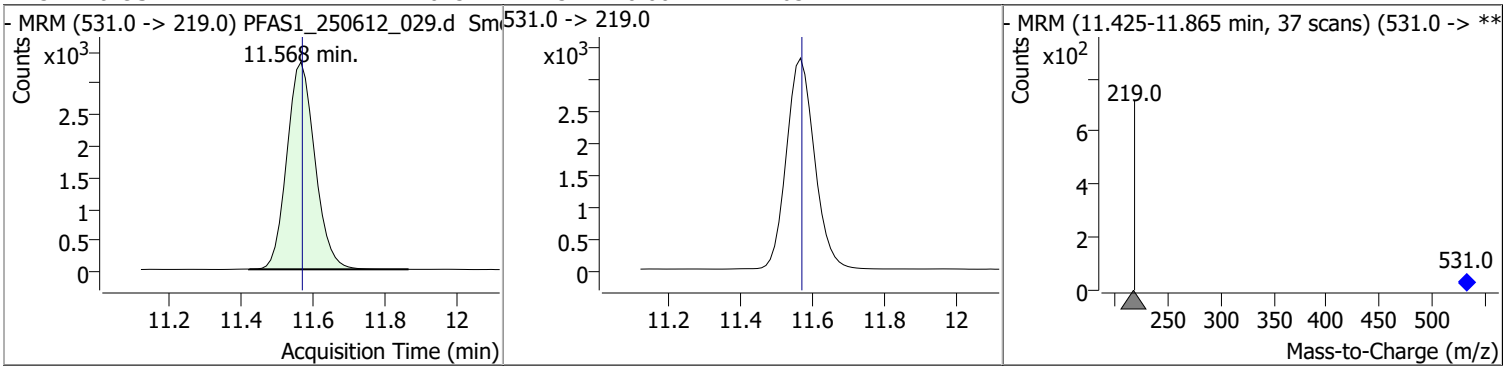
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0453	11.43	0.00	227855				



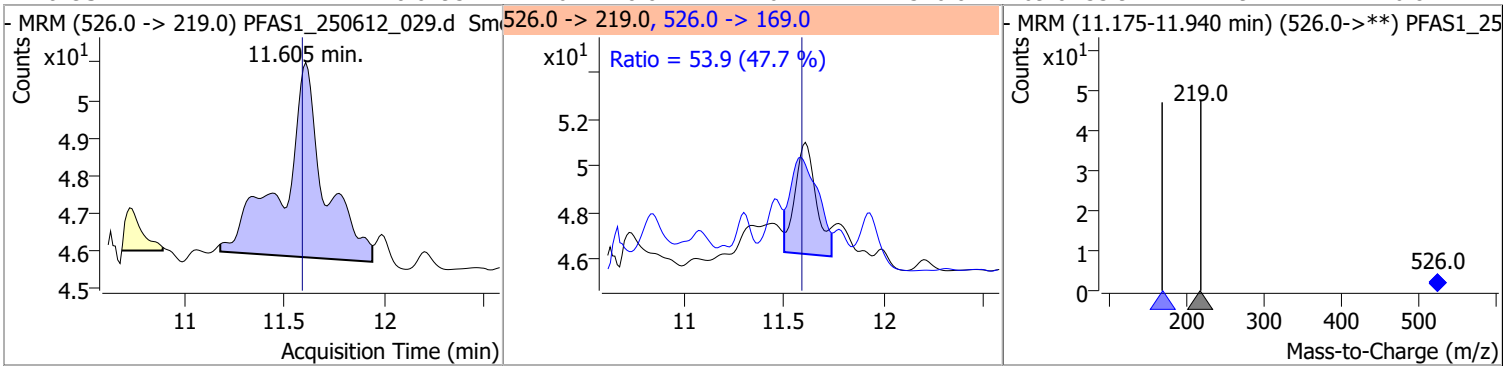
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	445				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1075	11.57	0.00	17637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0295	11.61	0.02	76	526.0 -> 169.0	53.9	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BS1	File ID:	PFAS1_250612_030.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 20:43
		Preparation:	1633 Water	Dilution:	1
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075
Instrument:	PFAS1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	20.4	0.48	3.20	6.40	
2706-90-3	PFPeA	10.3	0.14	1.60	3.20	
307-24-4	PFHxA	5.20	0.13	0.80	1.60	
375-85-9	PFHpA	5.19	0.16	0.80	1.60	
335-67-1	PFOA	5.19	0.12	0.80	1.60	
375-95-1	PFNA	4.78	0.09	0.80	1.60	
335-76-2	PFDA	5.04	0.13	0.80	1.60	
2058-94-8	PFUnA	5.13	0.19	0.80	1.60	
307-55-1	PFDoA	5.04	0.11	0.80	1.60	
72629-94-8	PFTrDA	5.71	0.07	0.80	1.60	
376-06-7	PFTeDA	5.21	0.12	0.80	1.60	
375-73-5	PFBS	4.50	0.19	0.71	1.42	
2706-91-4	PFPeS	4.78	0.21	0.76	1.51	
355-46-4	PFHxS	4.70	0.23	0.73	1.46	
375-92-8	PFHpS	4.77	0.41	0.76	1.52	
1763-23-1	PFOS	4.50	0.22	0.93	1.86	
68259-12-1	PFNS	4.77	0.20	0.77	1.54	
335-77-3	PFDS	4.63	0.14	0.77	1.54	
79780-39-5	PFDoS	4.15	0.08	0.78	1.55	
757124-72-4	4:2FTS	20.5	0.41	3.00	6.00	
27619-97-2	6:2FTS	20.0	2.77	3.04	6.08	
39108-34-4	8:2FTS	21.3	0.61	3.07	6.14	
754-91-6	PFOSA	5.32	0.10	0.80	1.60	
31506-32-8	NMeFOSA	4.88	0.26	0.80	1.60	
4151-50-2	NEtFOSA	4.65	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	4.93	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BS1	File ID:	PFAS1_250612_030.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 20:43
		Preparation:	1633 Water	Dilution:	1

Batch: B25F0614 Sequence: S25F0493 Calibration: OF250075 Instrument: PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	5.01	0.29	0.80	1.60	
24448-09-7	NMeFOSE	51.8	1.01	8.00	16.0	
1691-99-2	NEtFOSE	51.9	1.26	8.00	16.0	
13252-13-6	HFPO-DA	9.36	0.41	1.60	3.20	
919005-14-4	ADONA	9.39	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	9.33	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	9.11	0.31	1.51	3.02	
356-02-5	3:3FTCA	12.9	0.66	3.20	6.40	
914637-49-3	5:3FTCA	94.4	3.66	16.0	32.0	
812-70-4	7:3FTCA	89.4	3.06	16.0	32.0	
113507-82-7	PFEESA	8.39	0.17	1.42	2.85	
377-73-1	PFMPA	7.56	0.11	1.60	3.20	
863090-89-5	PFMBA	10.1	0.12	1.60	3.20	
151772-58-6	NFDHA	9.39	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_030.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:43:54 PM
Sample Name	B25F0614-BS1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

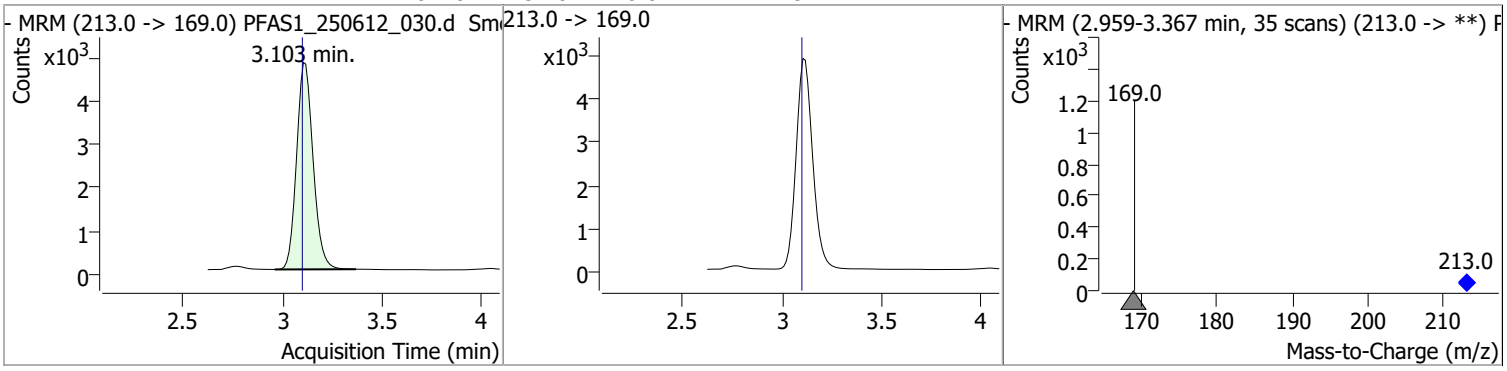
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	165596	5.0000	µg/L	4.690
13C2-PFHxA	5.491	315.0 -> 270.0	179944	2.5000	µg/L	0.710
18O2-PFHxS	6.796	403.0 -> 84.0	23685	2.5000	µg/L	0.784
13C4-PFOA	6.663	417.0 -> 172.0	20393	2.5000	µg/L	0.979
13C5-PFNA	7.125	468.0 -> 423.0	120505	1.2500	µg/L	0.691
13C2-PFDA	7.576	515.0 -> 470.0	125201	1.2500	µg/L	0.056
13C4-PFOS	7.757	503.0 -> 80.0	25968	2.5000	µg/L	4.015
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	153313	10.0000	µg/L	-57.995
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 40.10%		
13C4-PFBA	3.107	217.0 -> 172.0	153313	10.0000	µg/L	-57.995
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 40.10%		
13C5-PFPeA	4.606	268.0 -> 223.0	253008	5.0000	µg/L	-6.212
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.16%		
13C5-PFPeA	4.606	268.0 -> 223.0	253008	5.0000	µg/L	-6.212
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.16%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	19784	5.0000	µg/L	22.769
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 122.45%		
13C5-PFHxA	5.490	318.0 -> 273.0	179983	2.5000	µg/L	-2.183
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.11%		
13C5-PFHxA	5.490	318.0 -> 273.0	179983	2.5000	µg/L	-2.183
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.11%		
13C3-PFBS	5.505	302.0 -> 80.0	41417	2.5000	µg/L	-2.839
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.60%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	209135	10.0000	µg/L	-5.741
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 93.56%		
13C4-PFHpA	6.142	367.0 -> 322.0	204264	2.5000	µg/L	-4.191
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.09%		
13C3-PFHxS	6.797	402.0 -> 80.0	25919	2.5000	µg/L	-3.937
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.36%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12726	5.0000	µg/L	12.845
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.40%		
13C8-PFOA	6.662	421.0 -> 376.0	219753	2.5000	µg/L	-2.719
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.26%		
13C3-PFHxS	6.797	402.0 -> 80.0	25919	2.5000	µg/L	-3.937
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.36%		
13C9-PFNA	7.125	472.0 -> 427.0	122673	1.2500	µg/L	-0.023
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.32%		
13C8-PFOS	7.756	507.0 -> 80.0	24964	2.5000	µg/L	0.887
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.03%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13295	5.0000	µg/L	8.020
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.25%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13295	5.0000	µg/L	8.020
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.25%		
13C6-PFDA	7.575	519.0 -> 474.0	133774	1.2500	µg/L	0.655

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.66%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	89455	5.0000	µg/L	-3.751
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.27%		
13C8-PFOS	7.756	507.0 -> 80.0	24964	2.5000	µg/L	0.887
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.03%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	73842	5.0000	µg/L	-0.937
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 95.05%		
13C7-PFUnDA	7.999	570.0 -> 525.0	115277	1.2500	µg/L	-0.075
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.90%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	84850	1.2500	µg/L	-14.296
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 85.59%		
13C2-PFDoDA	8.424	615.0 -> 570.0	96827	1.2500	µg/L	-3.415
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.46%		
13C2-PFTDA	9.197	715.0 -> 670.0	72873	1.2500	µg/L	-25.455
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 74.44%		
13C8-PFOSA	9.909	506.0 -> 78.0	52926	2.5000	µg/L	-3.232
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.83%		
2H7-MeFOSE	11.052	623.1 -> 59.0	215586	25.0000	µg/L	-21.522
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 75.47%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	15928	2.5000	µg/L	-13.217
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 83.19%		
2H9-EtFOSE	11.432	639.1 -> 59.0	211694	25.0000	µg/L	-22.957
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 74.08%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17211	2.5000	µg/L	-14.783
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 81.81%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	27794	2.0440	µg/L	100
PFMPA	3.794	229.0 -> 85.0	17044	0.7562	µg/L	100
3-3 FTCA	4.042	241.0 -> 177.0	1558	1.2934	µg/L	96
PFPeA	4.596	263.0 -> 219.0	49719	1.0255	µg/L	100
PFMBA	4.910	279.0 -> 85.0	30886	1.0073	µg/L	100
4-2 FTSA	5.251	327.0 -> 307.0	27509	2.0461	µg/L	95
NFDHA	5.402	295.0 -> 201.0	2636	0.9387	µg/L	99
PFHxA	5.492	313.0 -> 269.0	37314	0.5198	µg/L	100
PFBS	5.507	298.9 -> 80.0	8330	0.4503	µg/L	99
HFPO-DA	5.736	285.0 -> 169.0	19548	0.9363	µg/L	100
PFEESA	5.860	314.9 -> 135.0	45055	0.8390	µg/L	97
5-3 FTCA	6.132	341.0 -> 237.0	55719	9.4377	µg/L	99
PFHpA	6.142	363.0 -> 319.0	40458	0.5187	µg/L	99
PFPeS	6.240	348.9 -> 80.0	5946	0.4783	µg/L	96
DONA	6.333	377.0 -> 251.0	87320	0.9386	µg/L	98
6-2 FTSA	6.460	427.0 -> 407.0	21751	2.0009	µg/L	98
PFOA	6.663	413.0 -> 369.0	43987	0.5189	µg/L	96
PFHxS	6.798	398.9 -> 80.0	5058	0.4695	µg/L	95
PFNA	7.126	463.0 -> 419.0	43129	0.4782	µg/L	98
PFHpS	7.295	448.9 -> 80.0	4892	0.4771	µg/L	94
8-2 FTSA	7.361	527.0 -> 507.0	20000	2.1315	µg/L	98
7-3 FTCA	7.474	441.0 -> 317.0	58023	8.9365	µg/L	99
PFDA	7.576	513.0 -> 469.0	49896	0.5035	µg/L	99
N-MeFOSAA	7.704	570.0 -> 419.0	7814	0.4933	µg/L	94
PFOS	7.758	498.9 -> 80.0	5319	0.4496	µg/L	100
N-EtFOSAA	7.927	584.0 -> 419.0	7010	0.5012	µg/L	96
PFUnDA	8.000	563.0 -> 519.0	45867	0.5130	µg/L	96
9Cl-PF3ONS	8.074	530.9 -> 350.9	62932	0.9333	µg/L	98

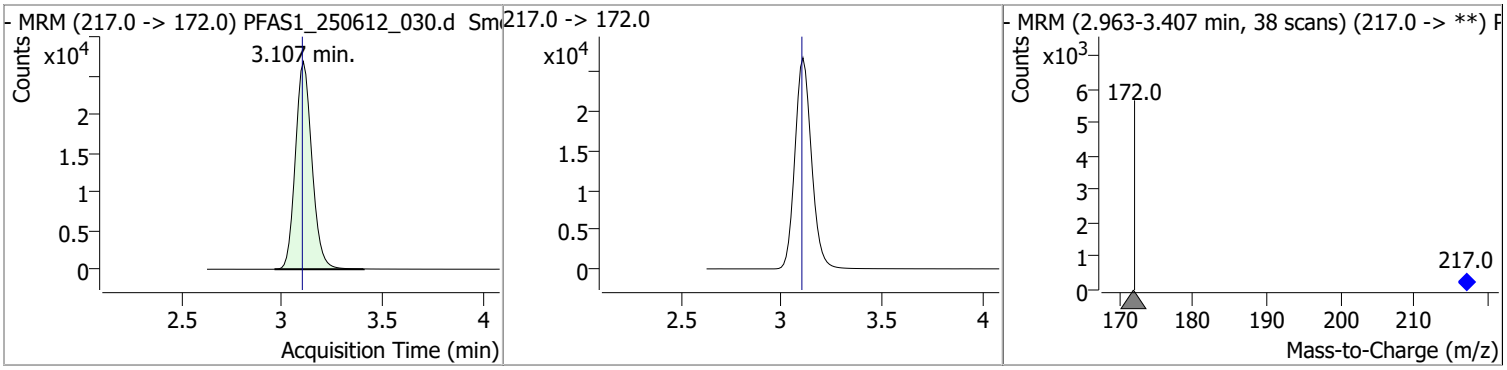
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
PFNS	8.192	548.9 -> 80.0	5057	0.4769	µg/L	95
PFDoDA	8.424	613.0 -> 569.0	38011	0.5041	µg/L	98
PFDS	8.606	598.9 -> 80.0	3875	0.4627	µg/L	99
PFTrDA	8.817	663.0 -> 619.0	37490	0.5711	µg/L	97
11Cl-PF3OUdS	8.891	630.9 -> 450.9	42117	0.9105	µg/L	98
PFTDA	9.198	712.9 -> 669.0	28384	0.5213	µg/L	96
PFDoS	9.356	698.9 -> 80.0	2256	0.4145	µg/L	96
PFOSA	9.900	497.9 -> 78.0	10345	0.5325	µg/L	98
MeFOSE	11.077	616.0 -> 59.0	43386	5.1844	µg/L	100
N-MeFOSA	11.202	512.0 -> 219.0	3043	0.4877	µg/L	100
EtFOSE	11.457	630.0 -> 59.0	42438	5.1909	µg/L	100
N-EtFOSA	11.581	526.0 -> 219.0	3252	0.4648	µg/L	96

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

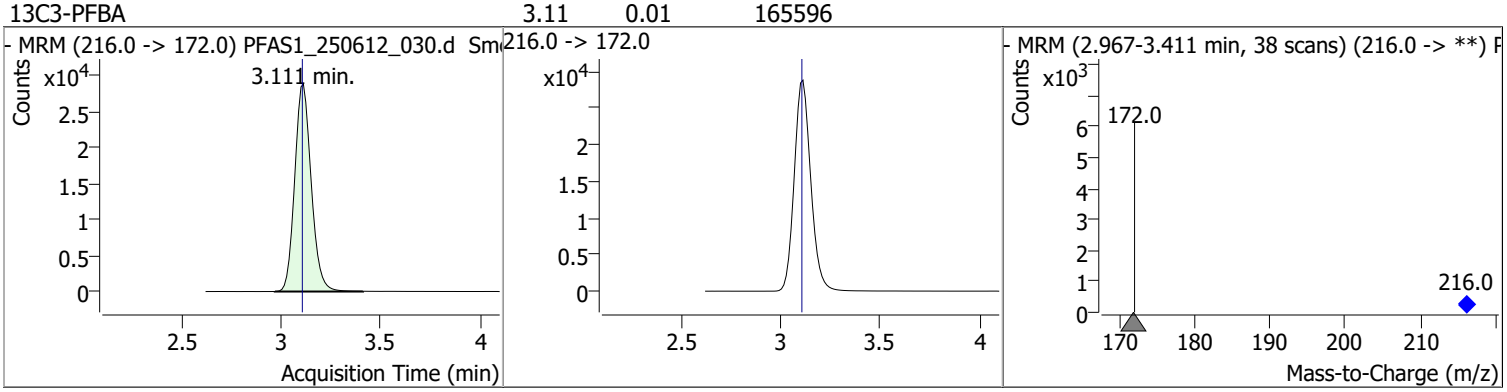
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	2.0440	3.10	0.01	27794				



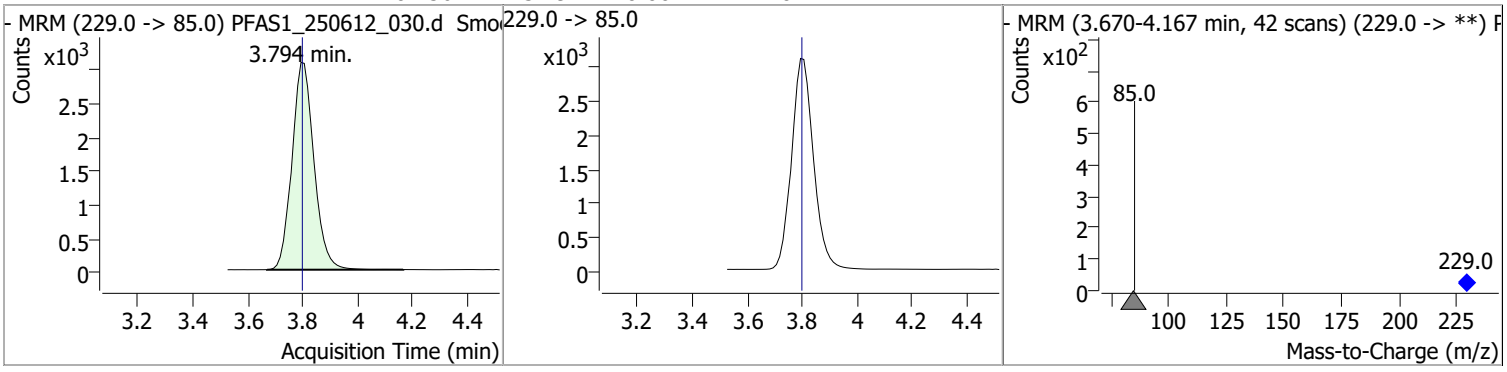
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.0099	3.11	0.01	153313				



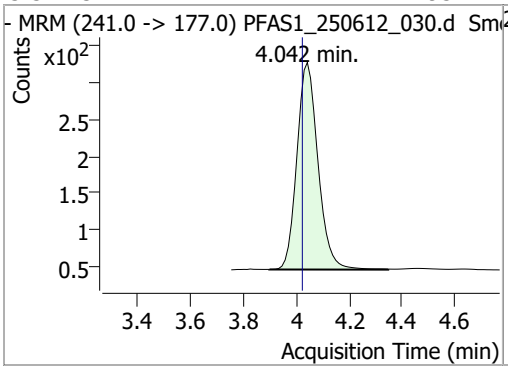
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	165596				

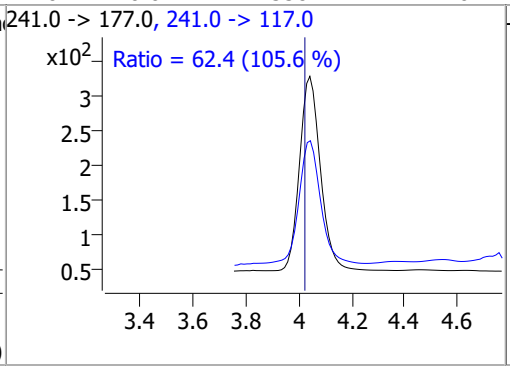


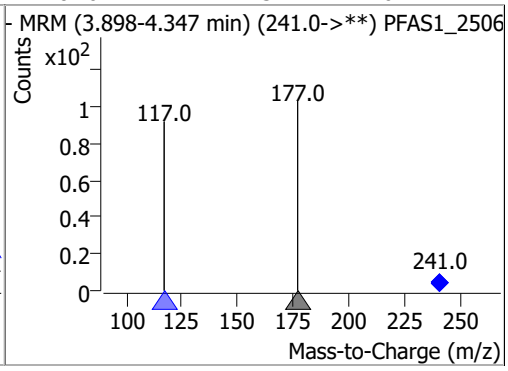
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.7562	3.79	0.00	17044				



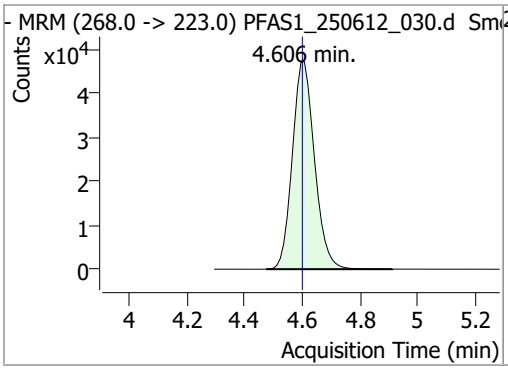
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	1.2934	4.04	0.02	1558	241.0 -> 117.0	62.4	41.3	76.7

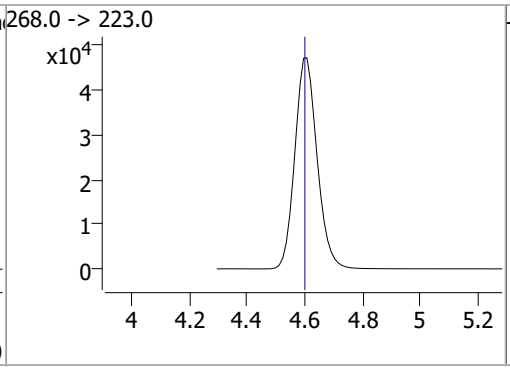


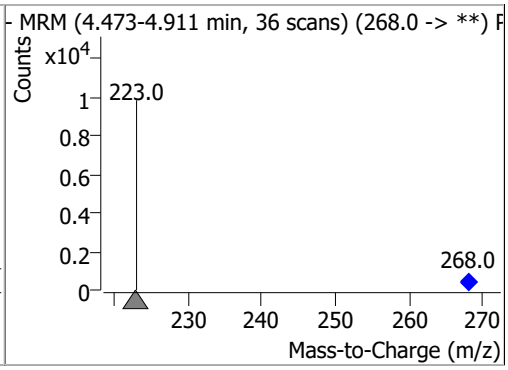




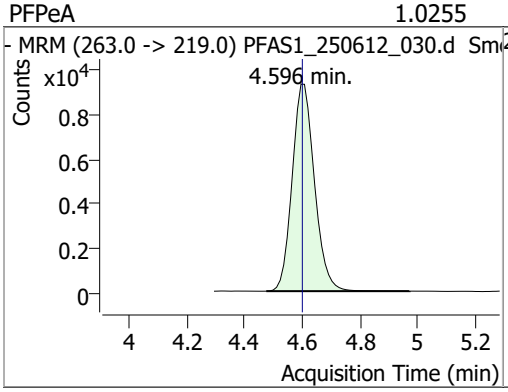
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6580	4.61	0.01	253008				

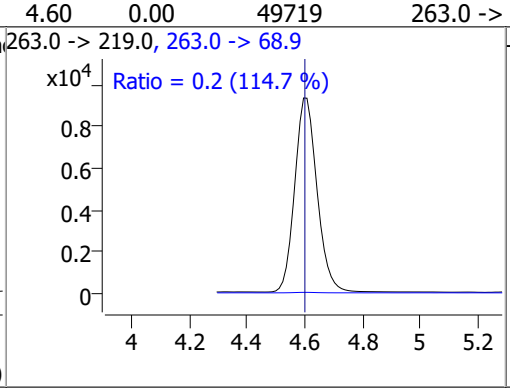


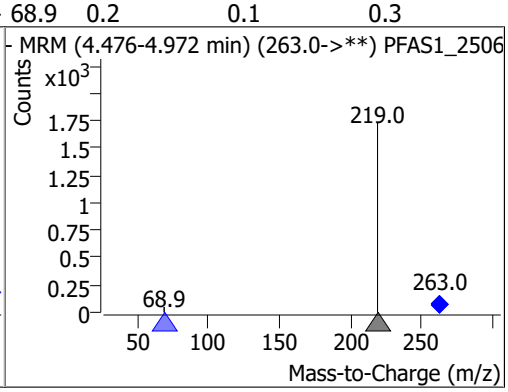




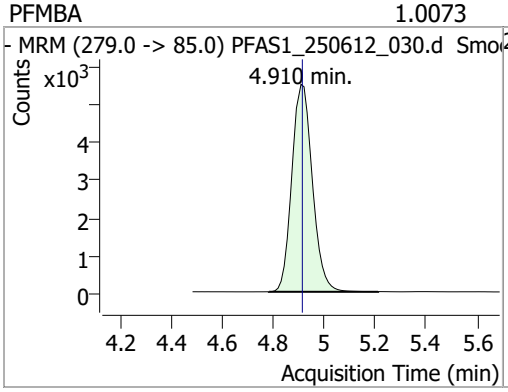
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.0255	4.60	0.00	49719	263.0 -> 68.9	0.2	0.1	0.3

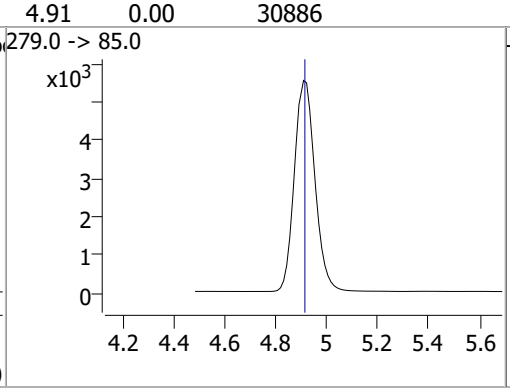


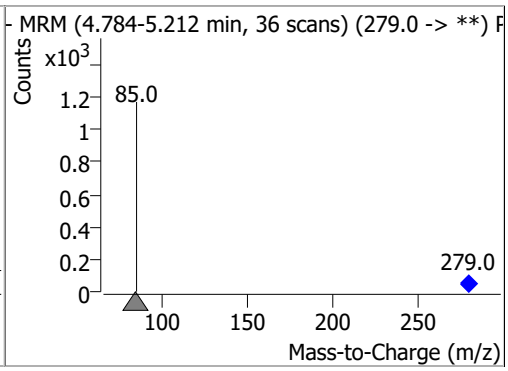




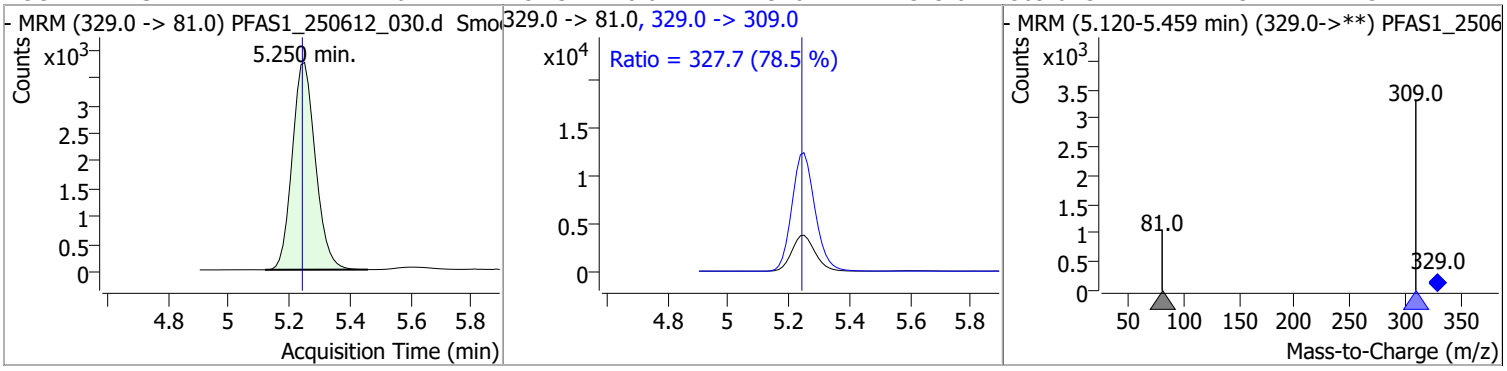
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.0073	4.91	0.00	30886				



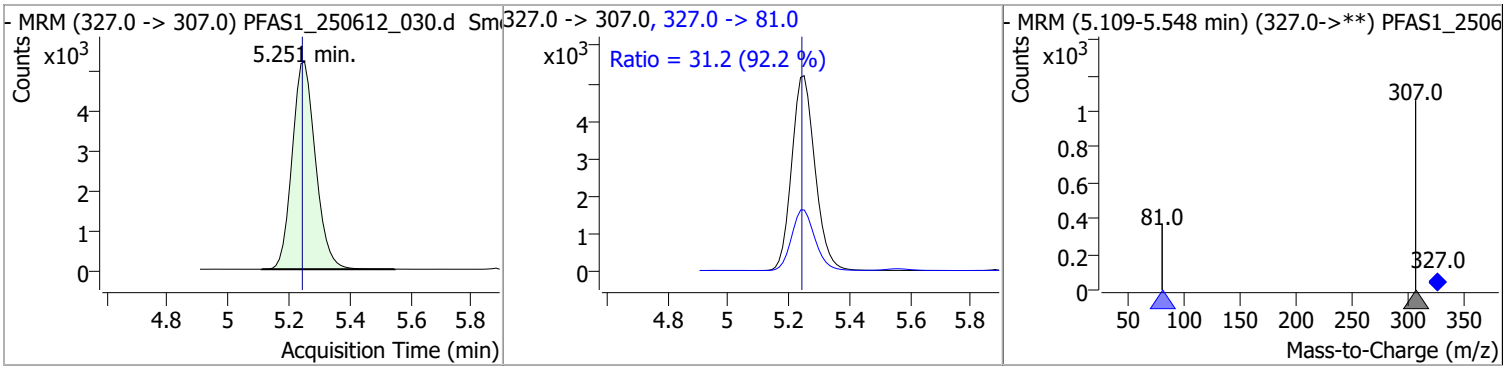




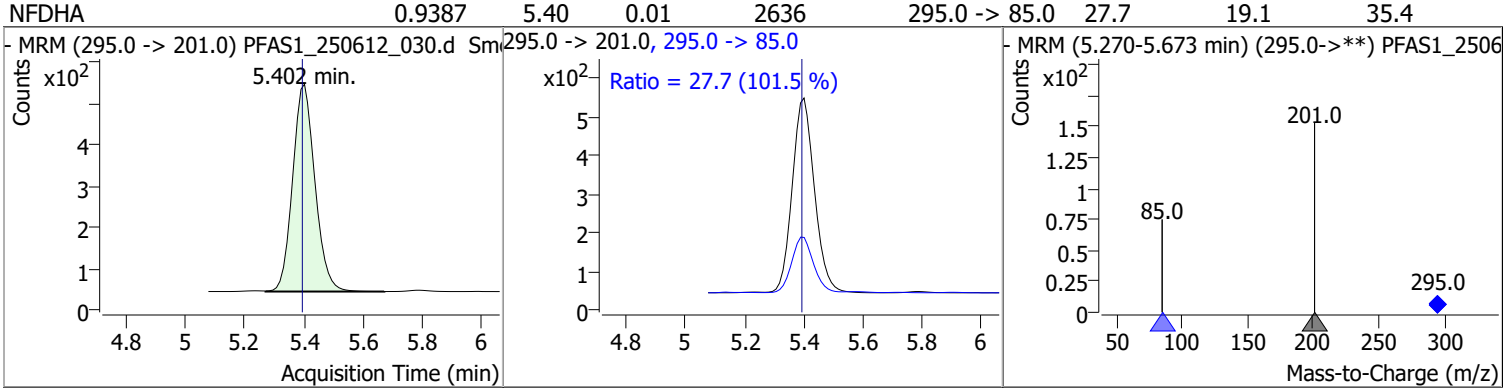
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.1224	5.25	0.01	19784	329.0 -> 309.0	327.7	292.1	542.4



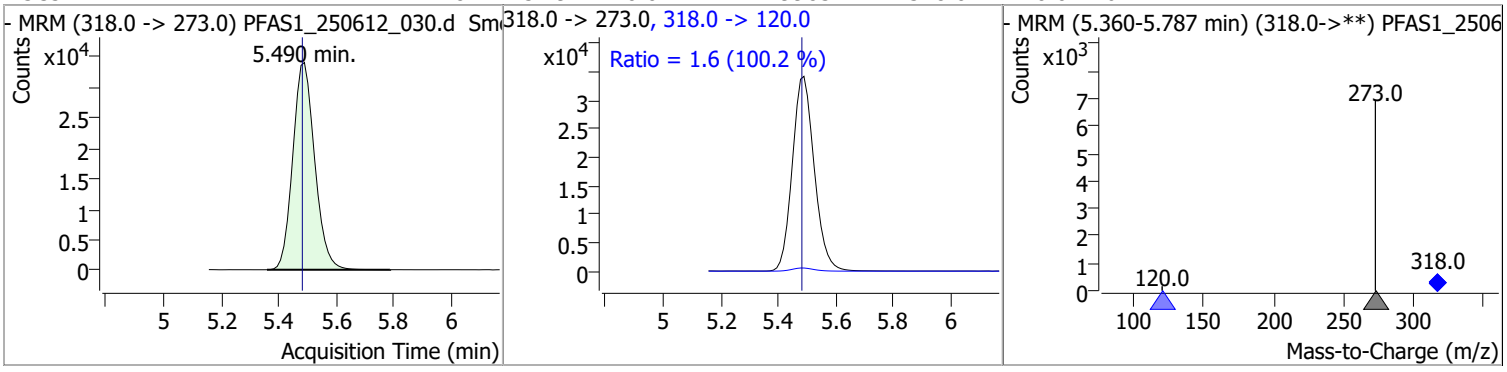
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	2.0461	5.25	0.01	27509	327.0 -> 81.0	31.2	23.6	43.9



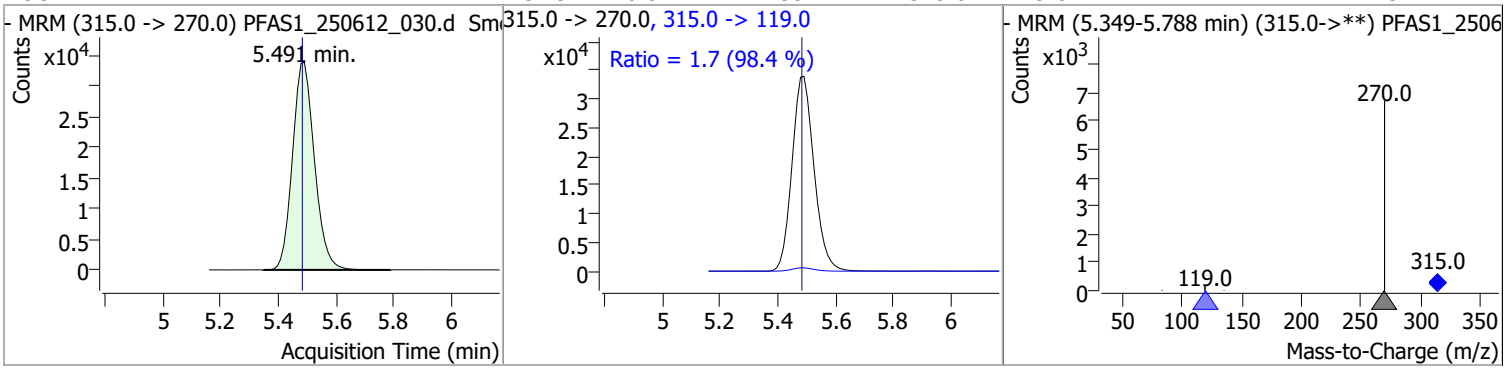
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.9387	5.40	0.01	2636	295.0 -> 85.0	27.7	19.1	35.4



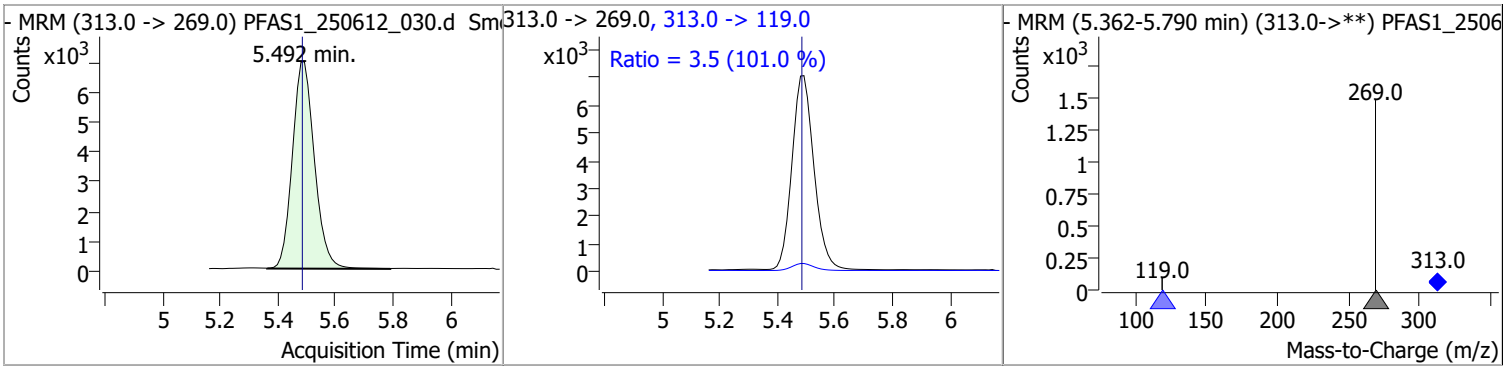
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4278	5.49	0.01	179983	318.0 -> 120.0	1.6	1.1	2.1



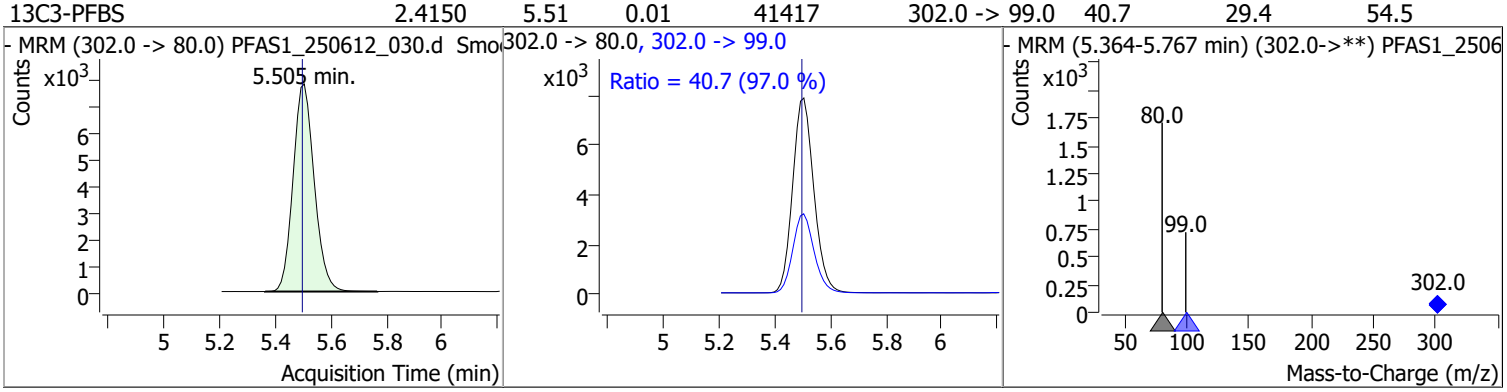
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	179944	315.0 -> 119.0	1.7	1.2	2.3



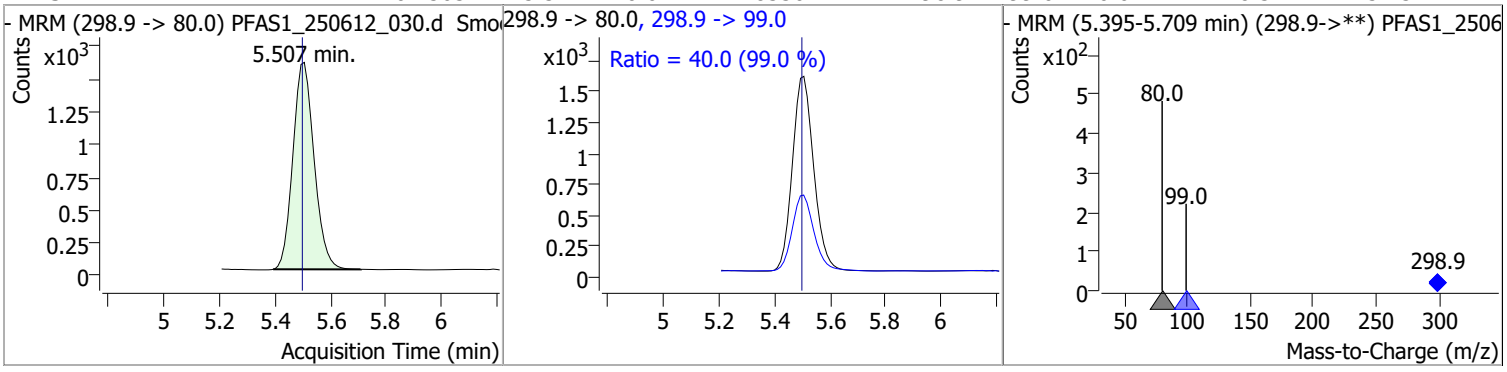
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.5198	5.49	0.01	37314	313.0 -> 119.0	3.5	2.4	4.5



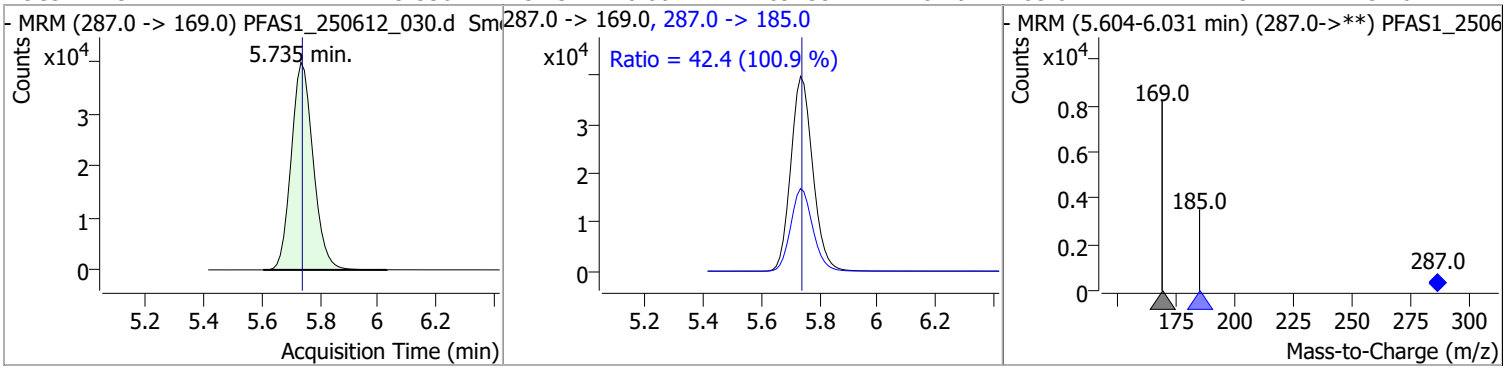
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4150	5.51	0.01	41417	302.0 -> 99.0	40.7	29.4	54.5



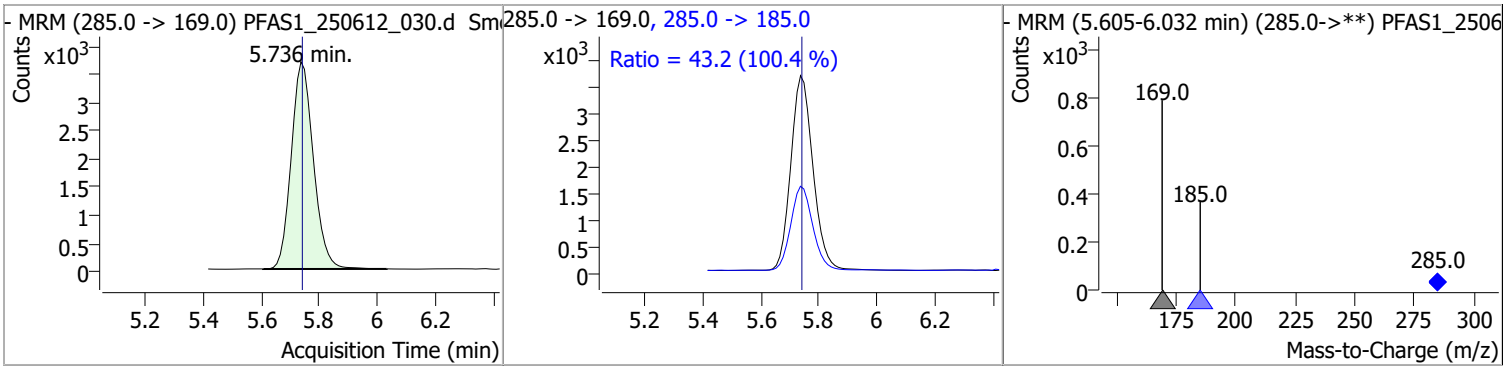
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.4503	5.51	0.01	8330	298.9 -> 99.0	40.0	28.3	52.5



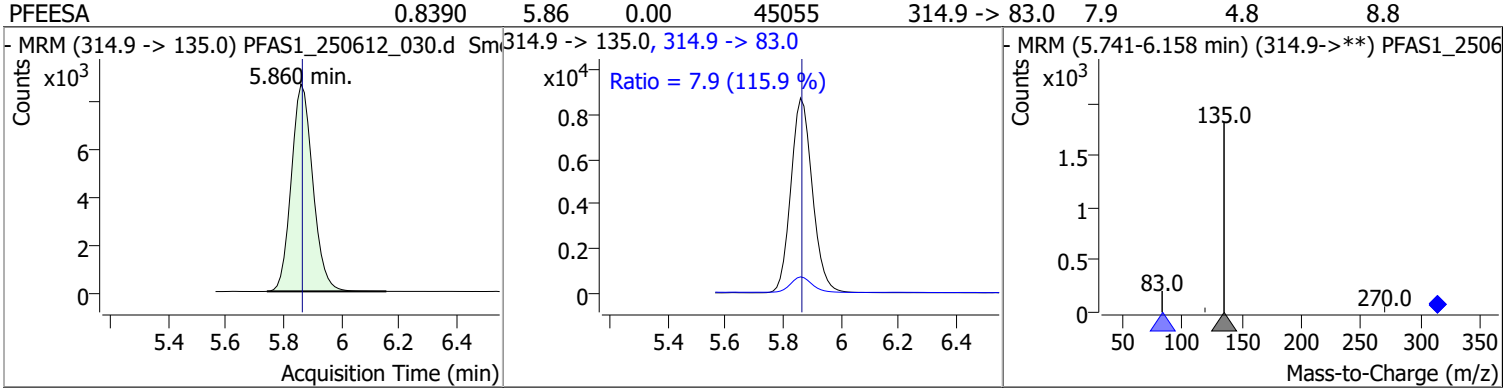
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.3564	5.73	0.00	209135	287.0 -> 185.0	42.4	29.4	54.6



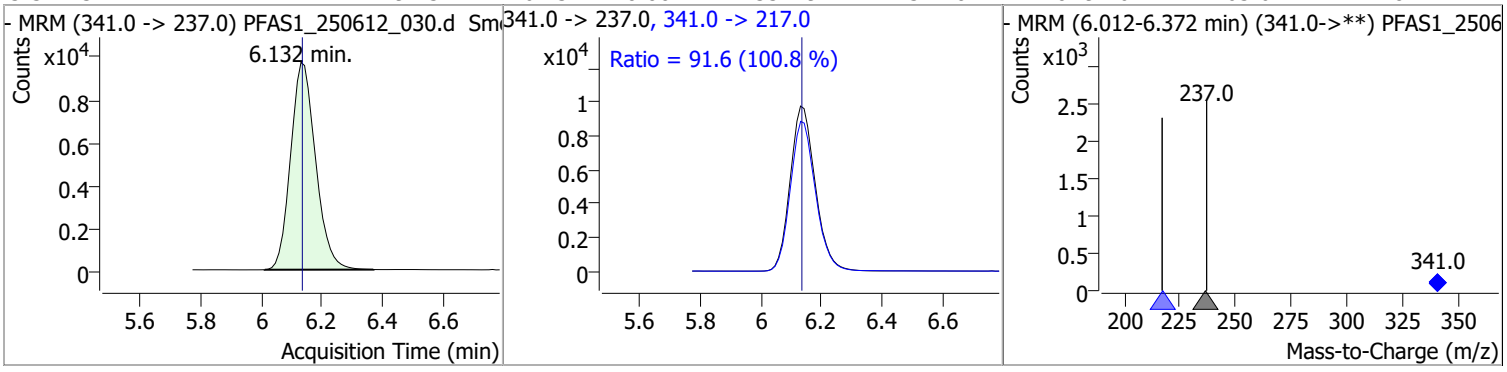
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.9363	5.74	0.00	19548	285.0 -> 185.0	43.2	30.1	56.0



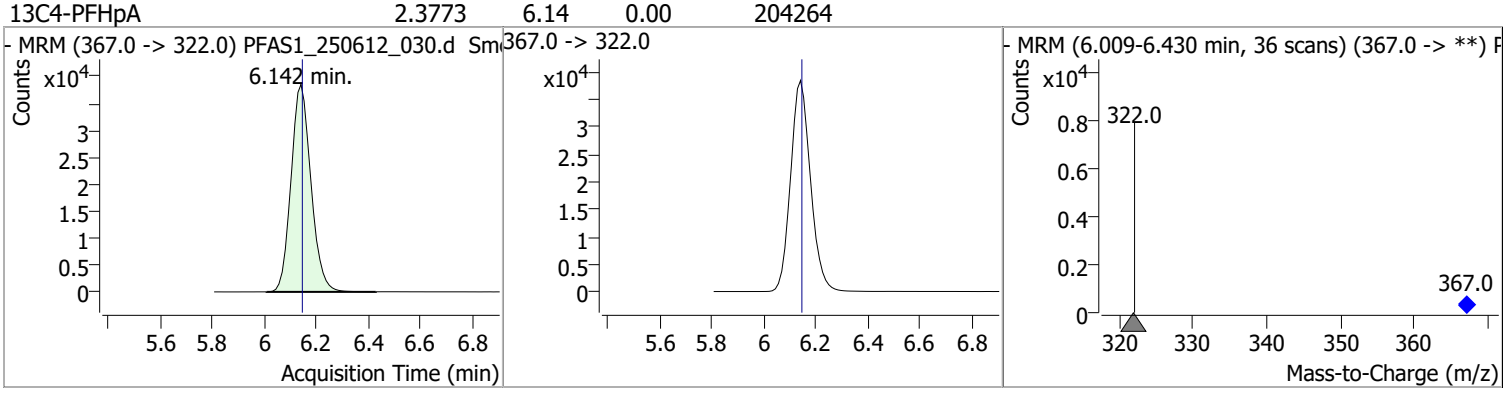
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.8390	5.86	0.00	45055	314.9 -> 83.0	7.9	4.8	8.8



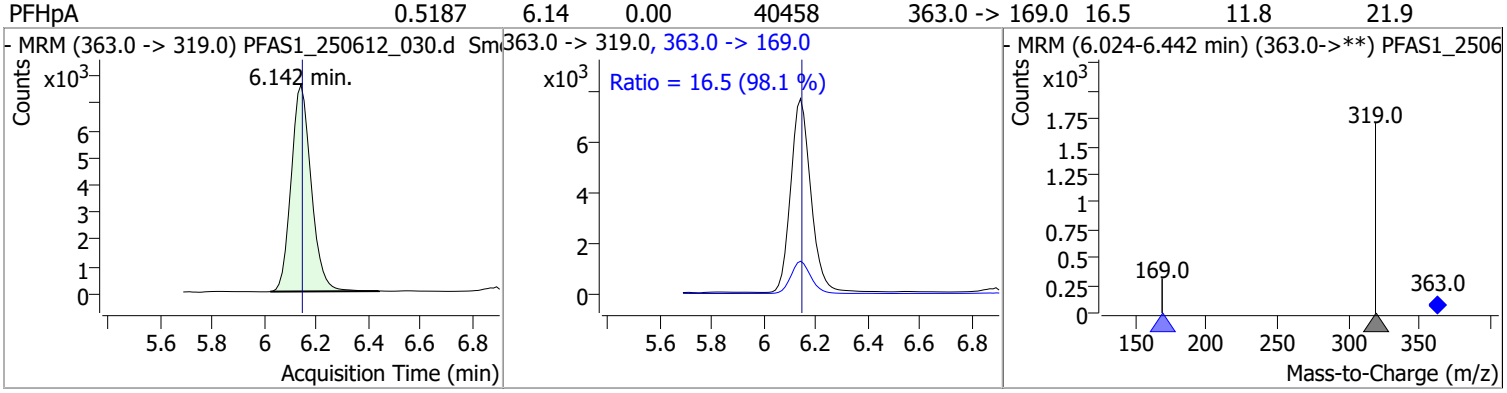
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	9.4377	6.13	0.00	55719	341.0 -> 217.0	91.6	63.6	118.1



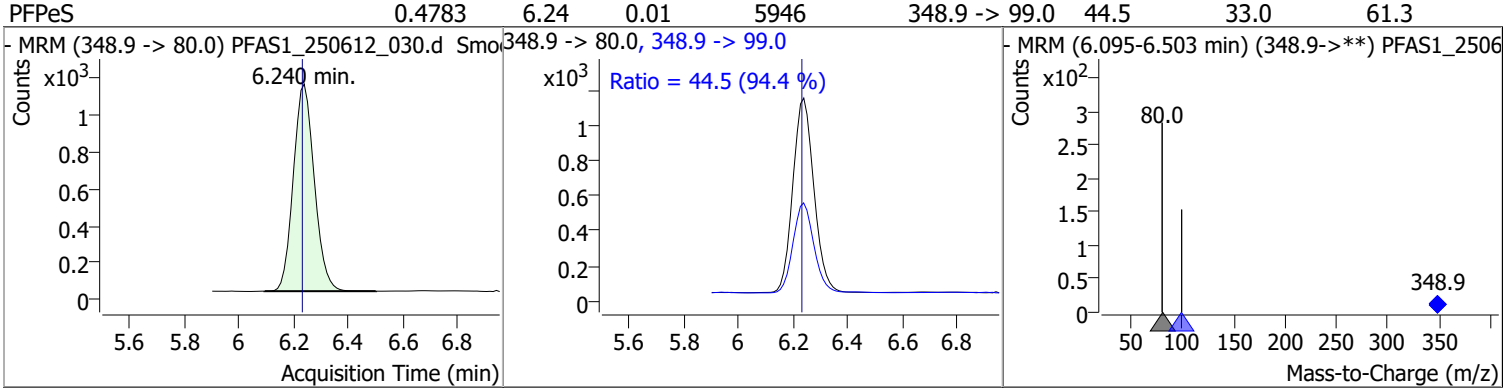
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3773	6.14	0.00	204264				



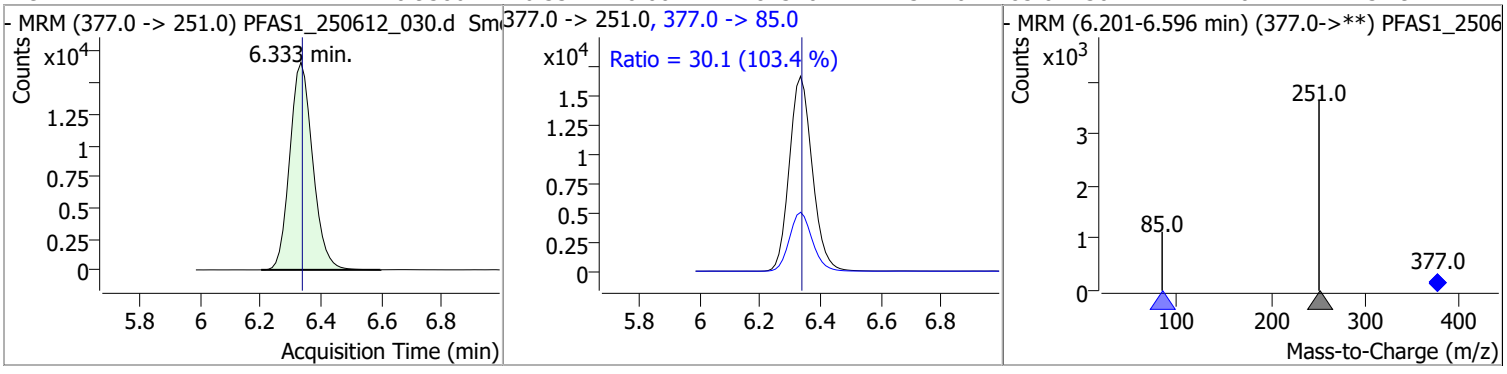
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.5187	6.14	0.00	40458	363.0 -> 169.0	16.5	11.8	21.9



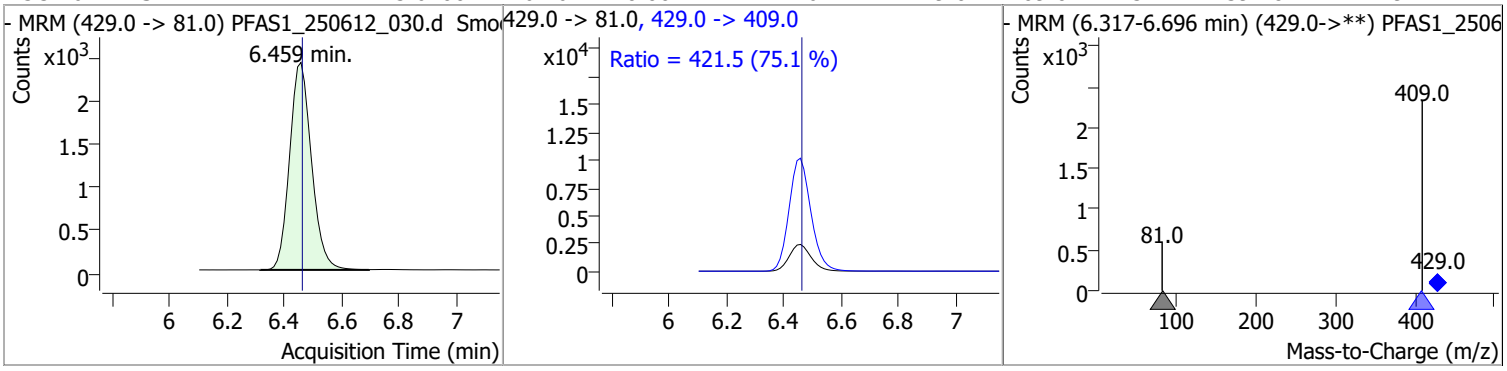
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.4783	6.24	0.01	5946	348.9 -> 99.0	44.5	33.0	61.3



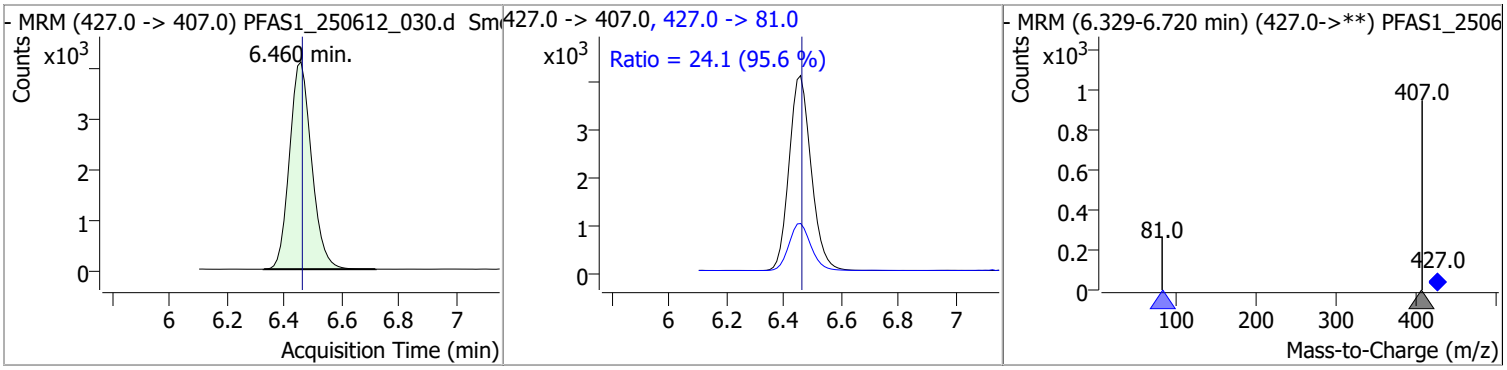
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9386	6.33	0.00	87320	377.0 -> 85.0	30.1	20.4	37.9



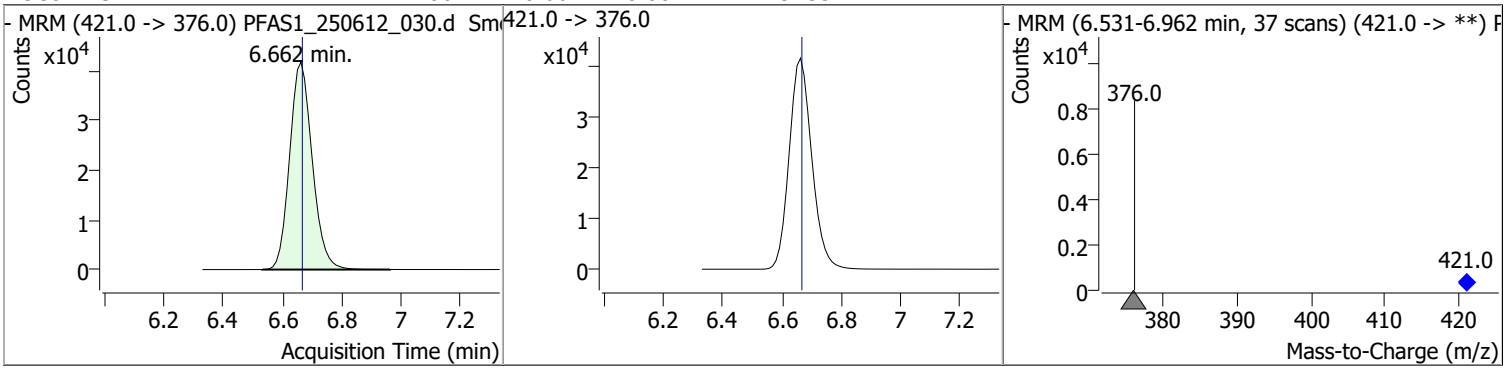
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6200	6.46	0.00	12726	429.0 -> 409.0	421.5	392.8	729.4



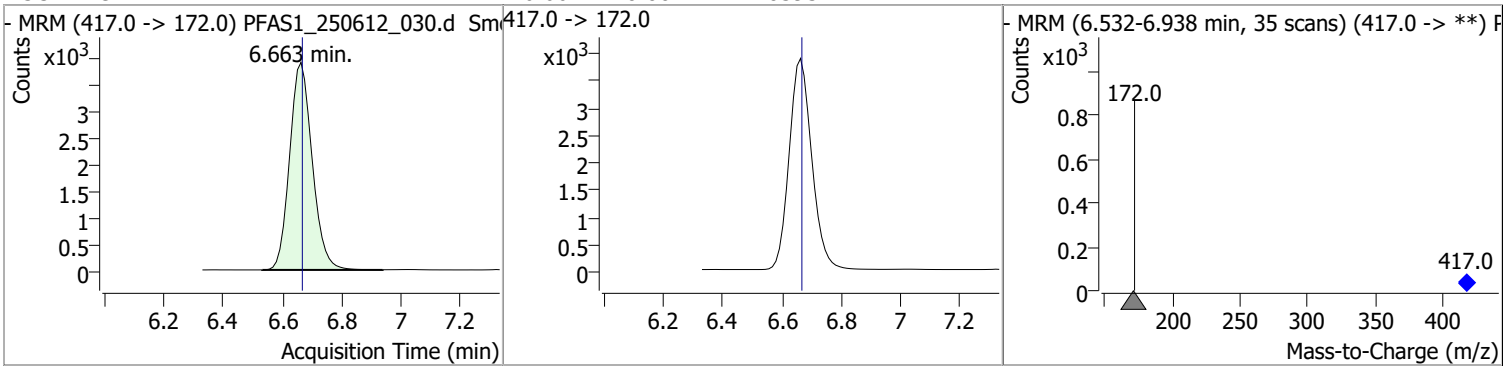
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	2.0009	6.46	0.00	21751	427.0 -> 81.0	24.1	17.7	32.8



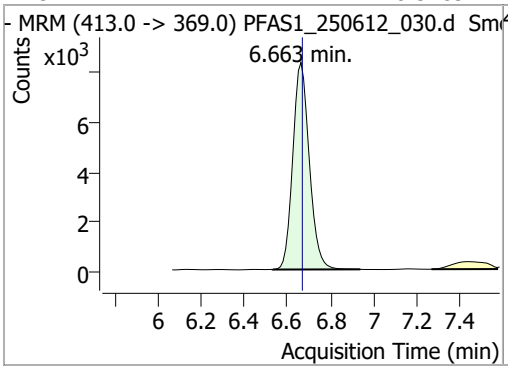
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4064	6.66	0.00	219753				

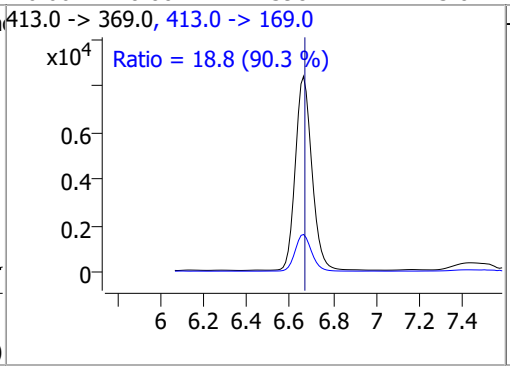


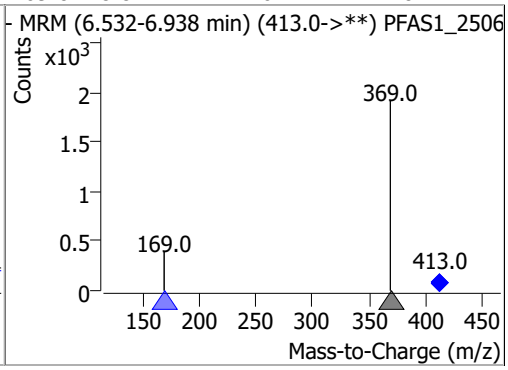
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	20393				



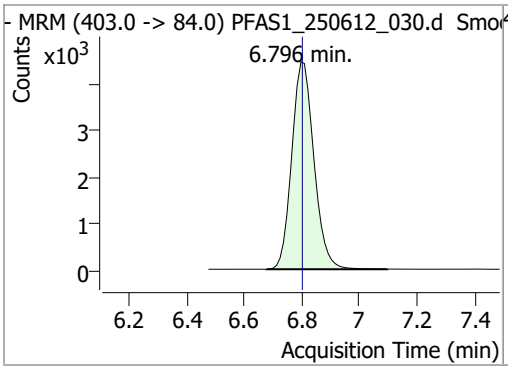
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5189	6.66	0.00	43987	413.0 -> 169.0	18.8	14.6	27.0

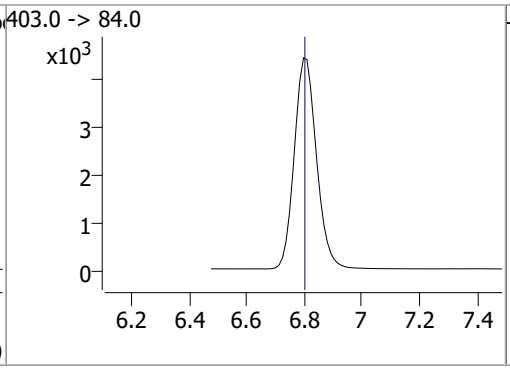


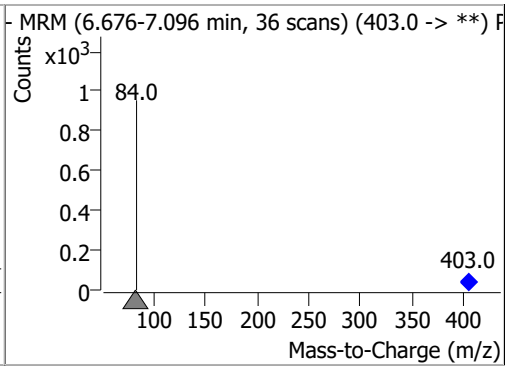




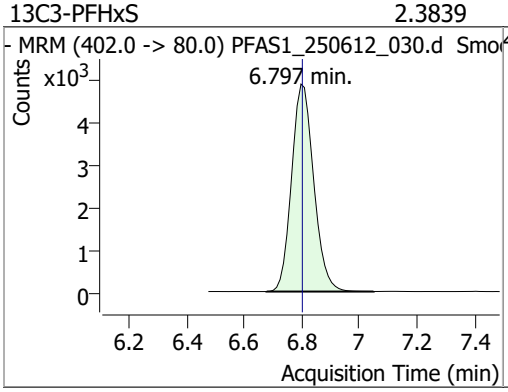
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	23685				

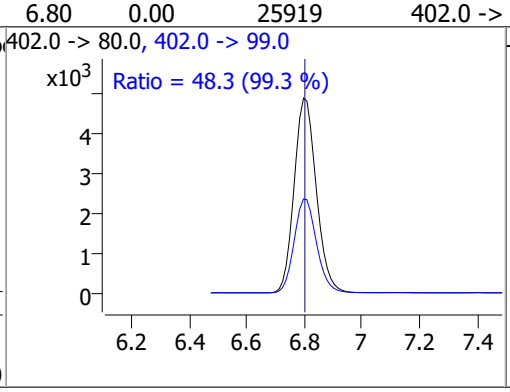


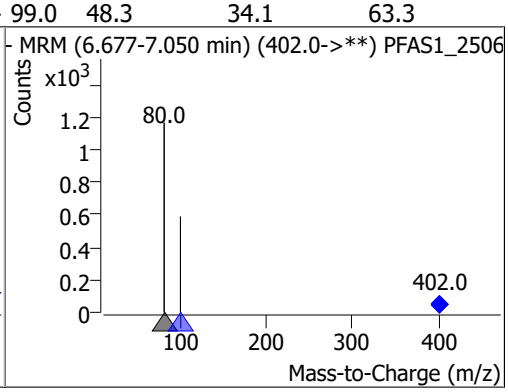




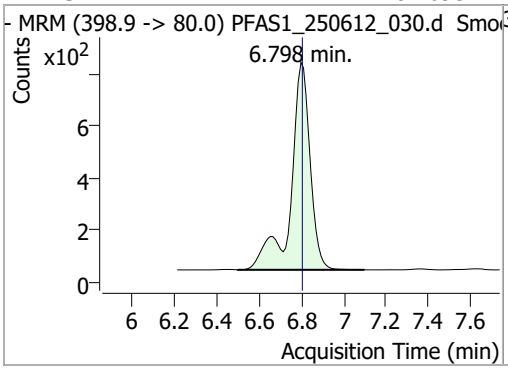
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3839	6.80	0.00	25919	402.0 -> 99.0	48.3	34.1	63.3

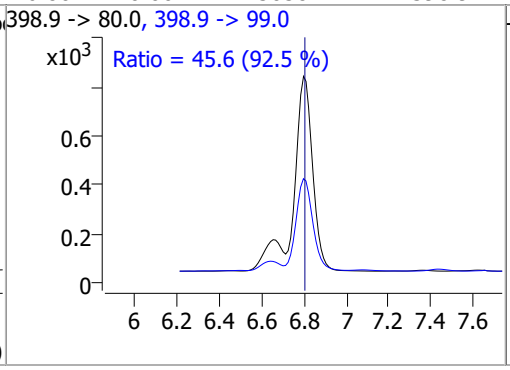


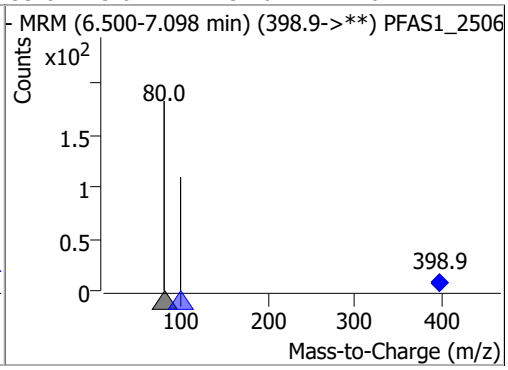




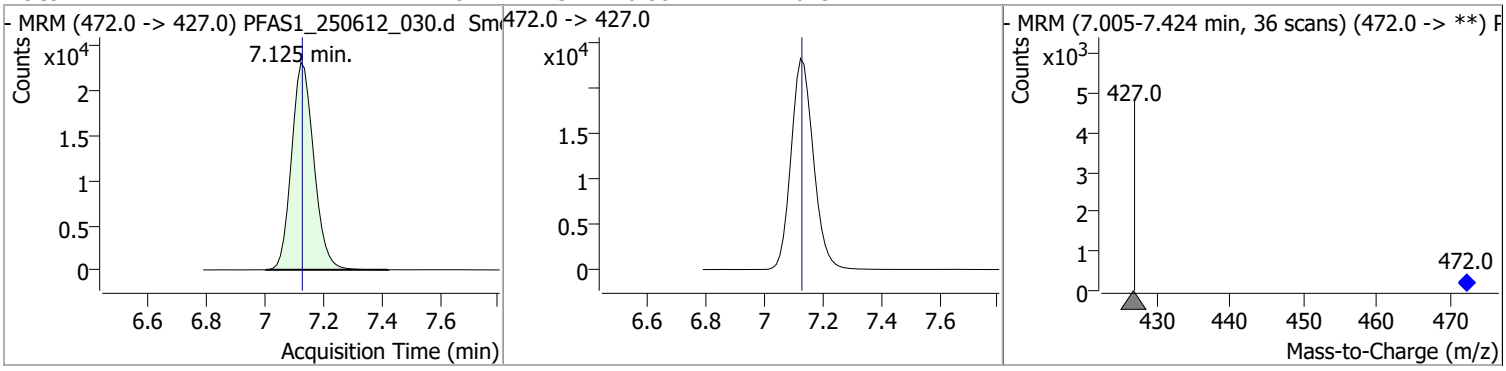
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.4695	6.80	0.00	5058	398.9 -> 99.0	45.6	34.6	64.2



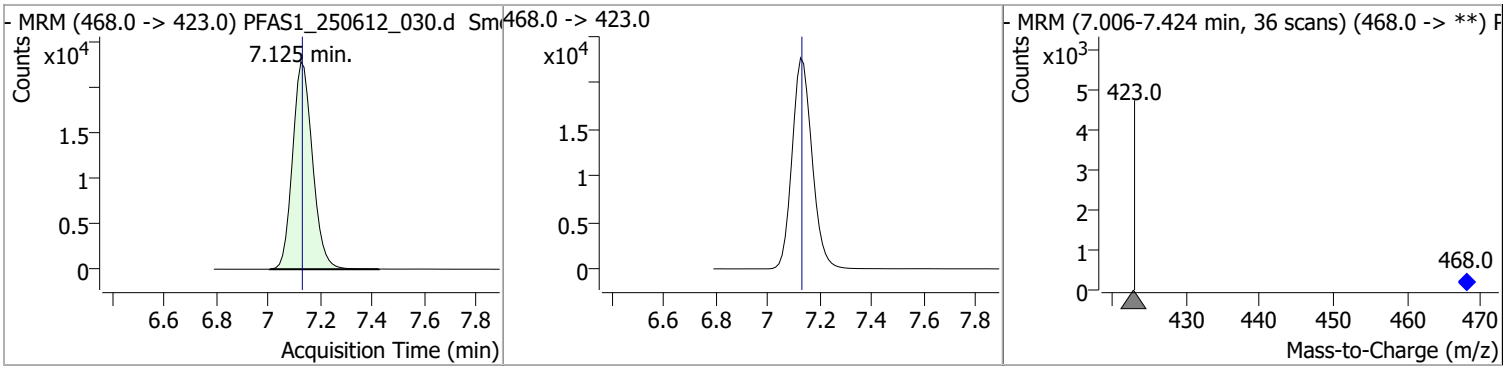




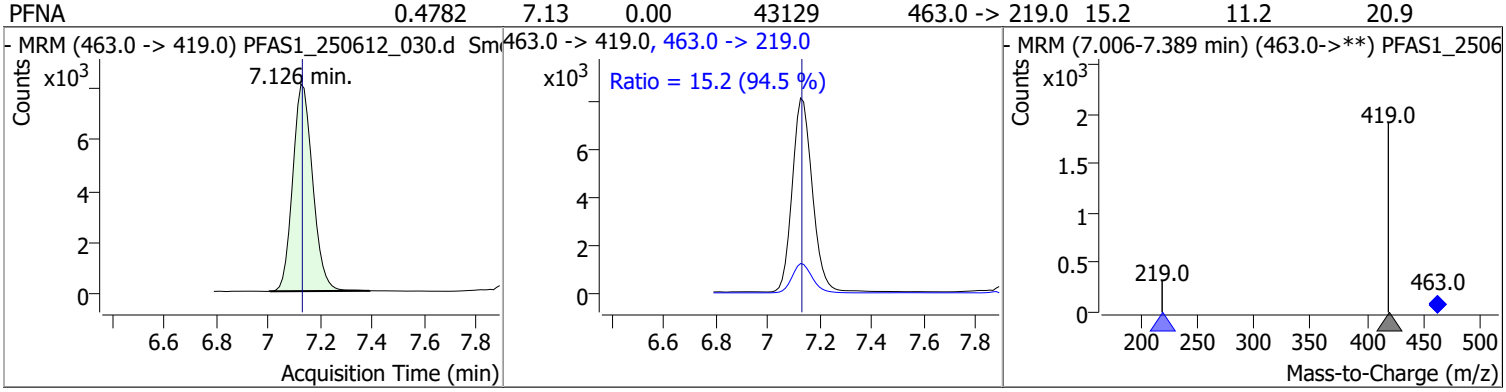
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2415	7.13	0.00	122673				



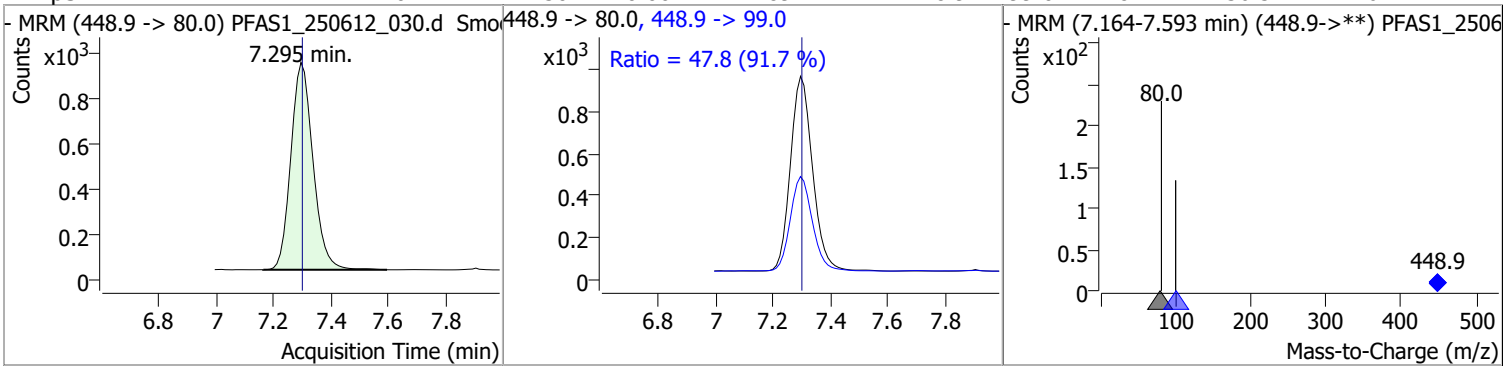
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	120505				



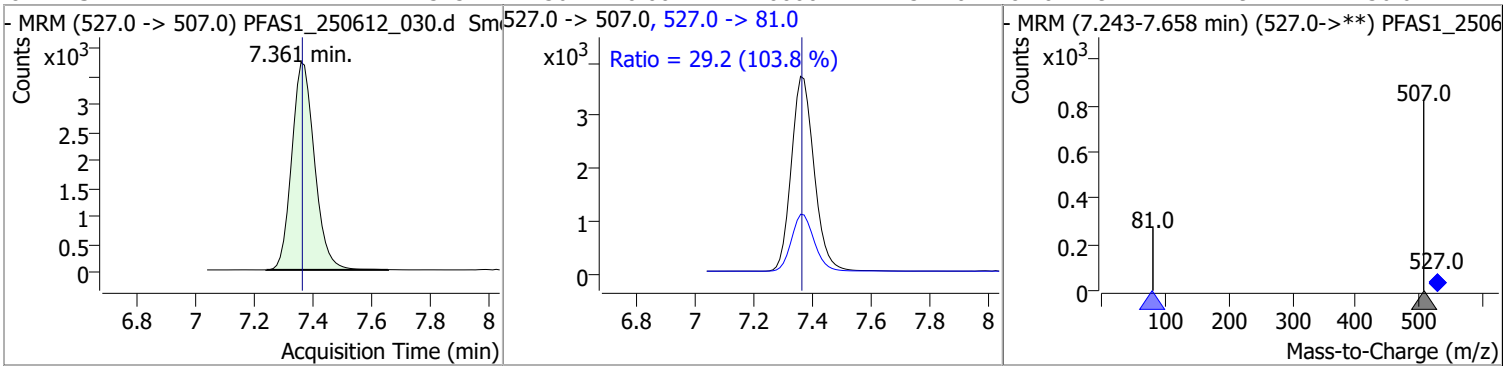
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4782	7.13	0.00	43129	463.0 -> 219.0	15.2	11.2	20.9



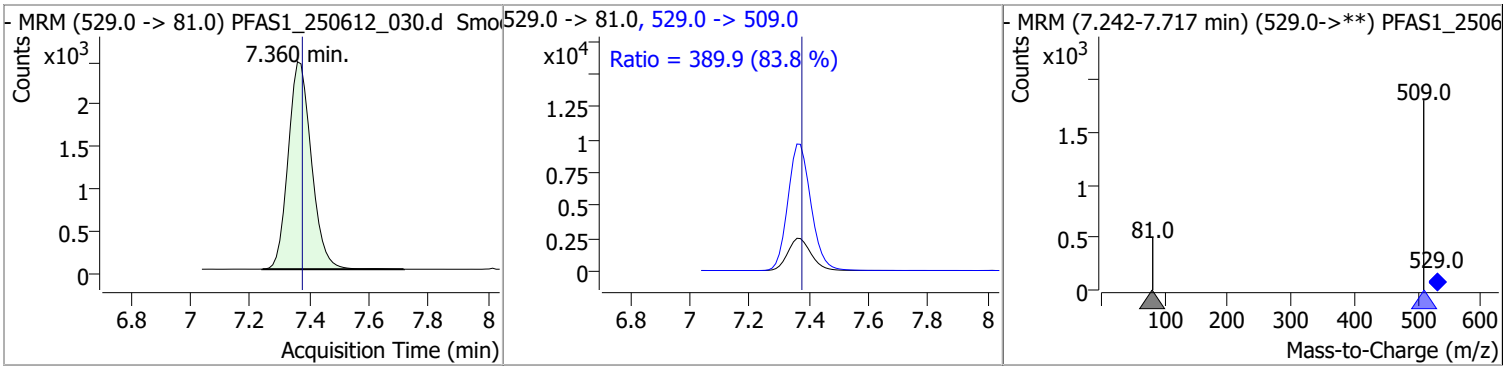
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.4771	7.30	0.00	4892	448.9 -> 99.0	47.8	36.5	67.7



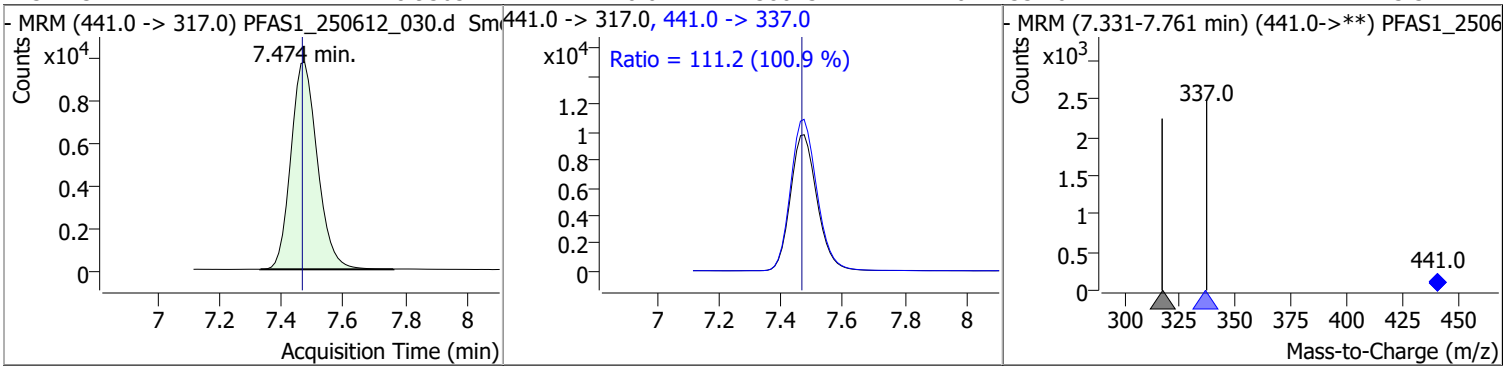
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	2.1315	7.36	0.00	20000	527.0 -> 81.0	29.2	19.7	36.6



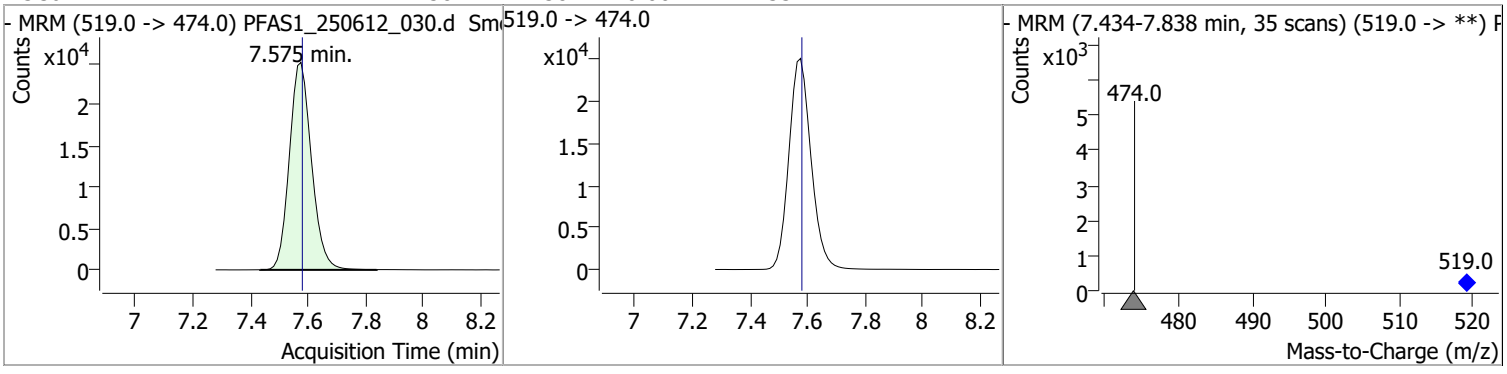
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.3623	7.36	-0.01	13295	529.0 -> 509.0	389.9	325.6	604.6



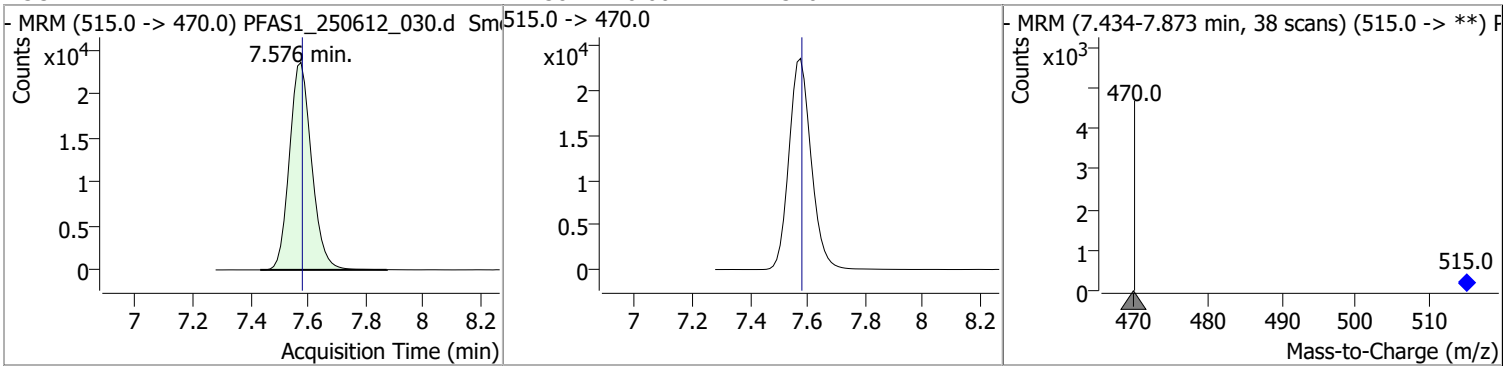
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	8.9365	7.47	0.01	58023	441.0 -> 337.0	111.2	77.1	143.3



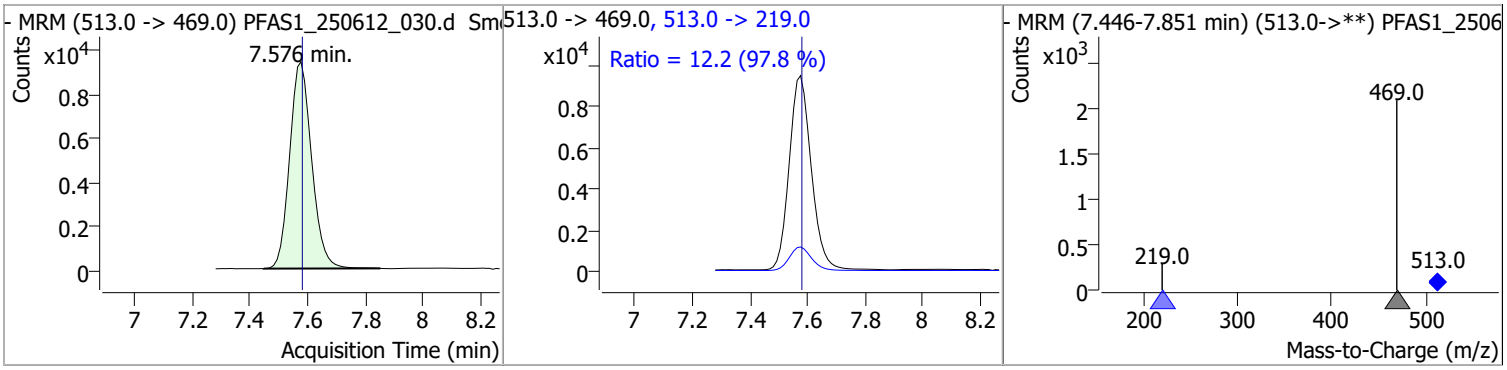
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2582	7.58	0.00	133774				



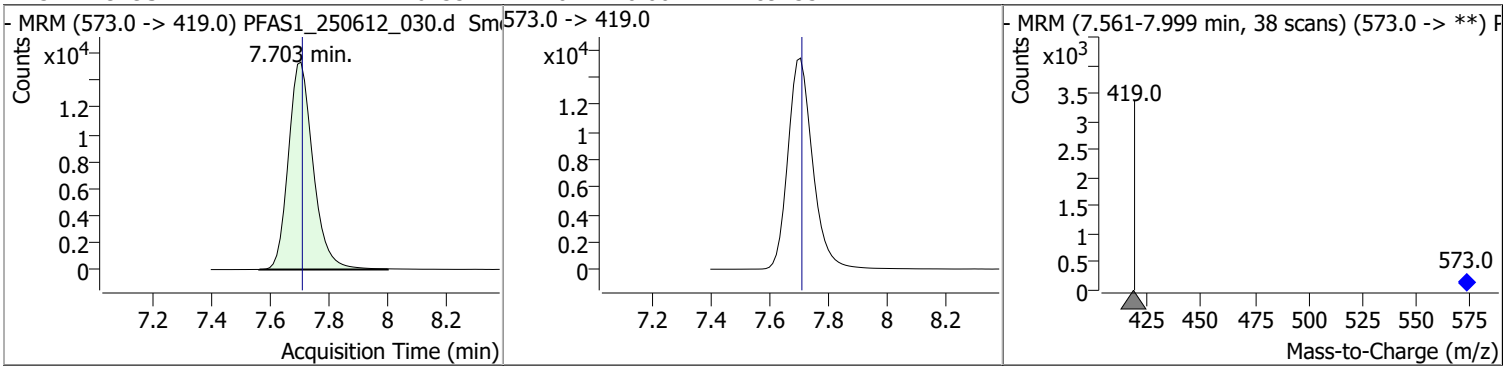
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	125201				



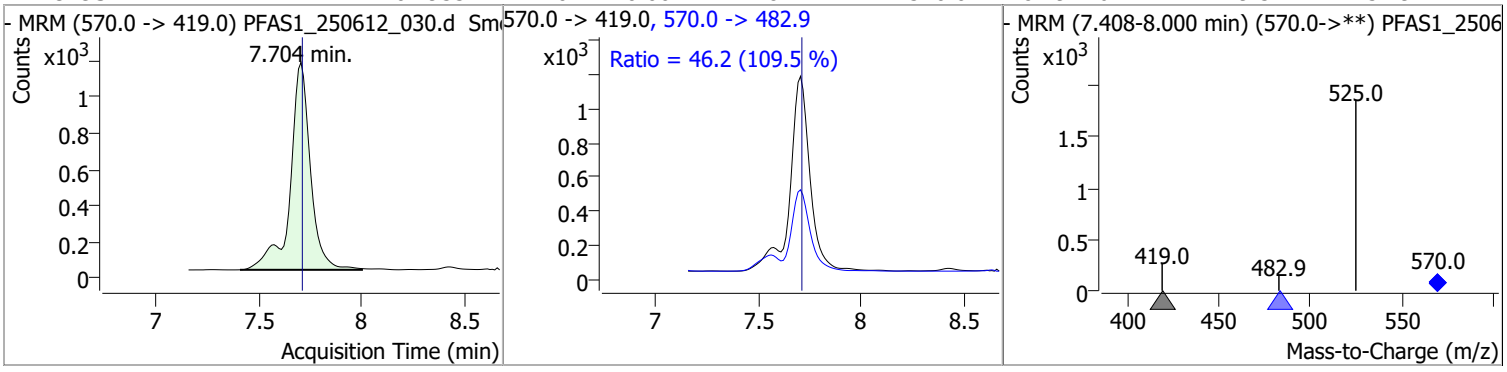
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.5035	7.58	0.00	49896	513.0 -> 219.0	12.2	8.7	16.2



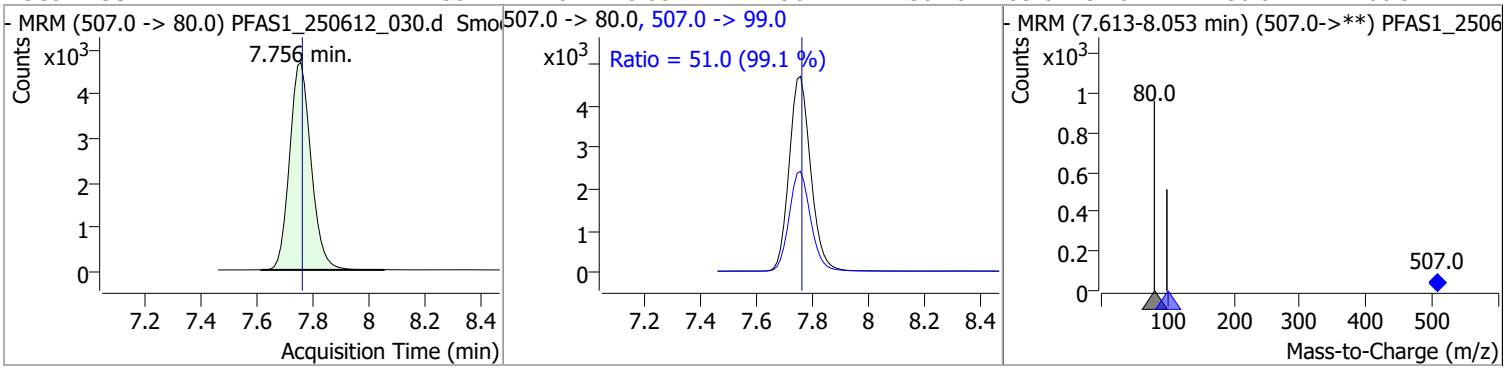
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6135	7.70	0.00	89455				



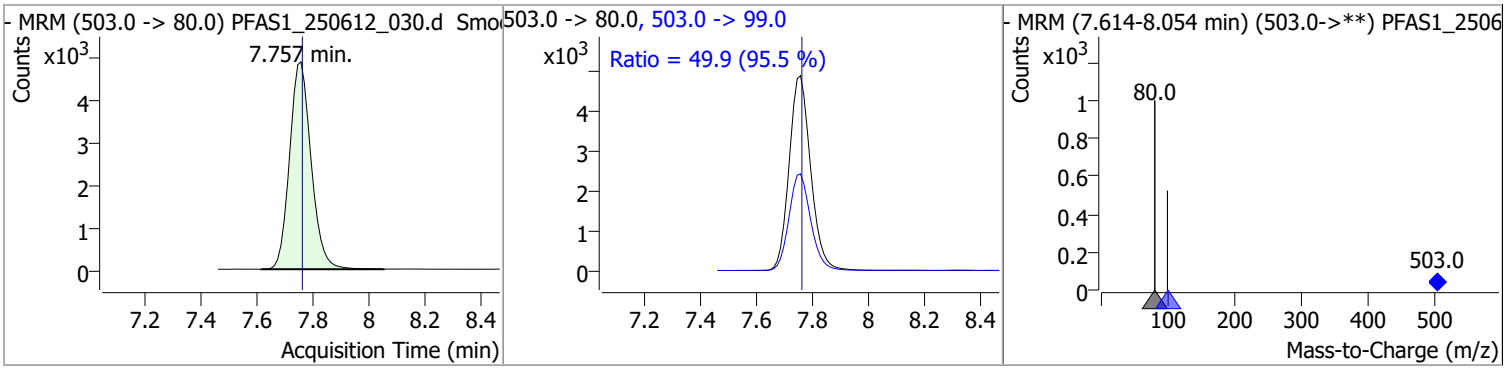
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.4933	7.70	0.00	7814	570.0 -> 482.9	46.2	29.5	54.9



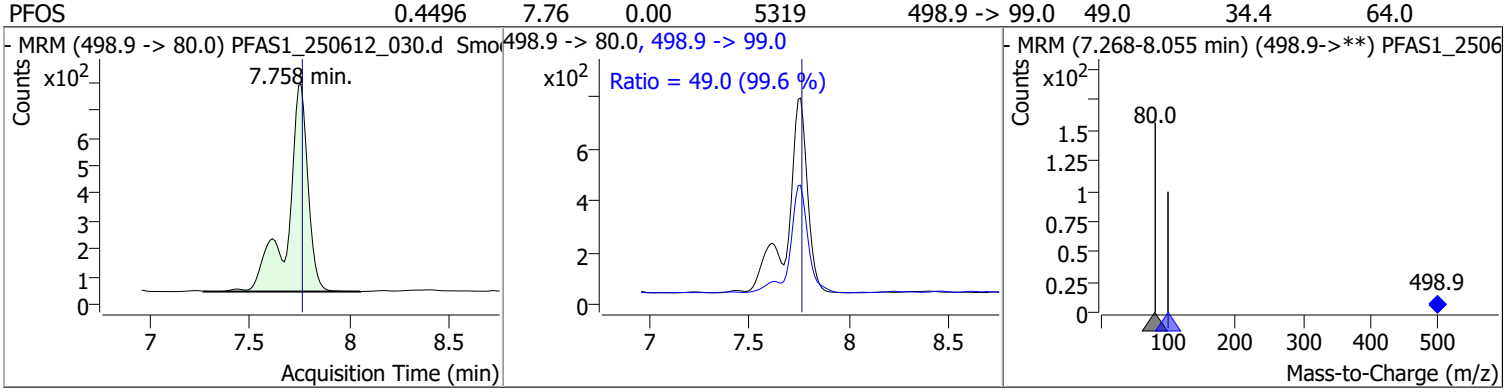
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4258	7.76	0.00	24964	507.0 -> 99.0	51.0	36.0	66.9



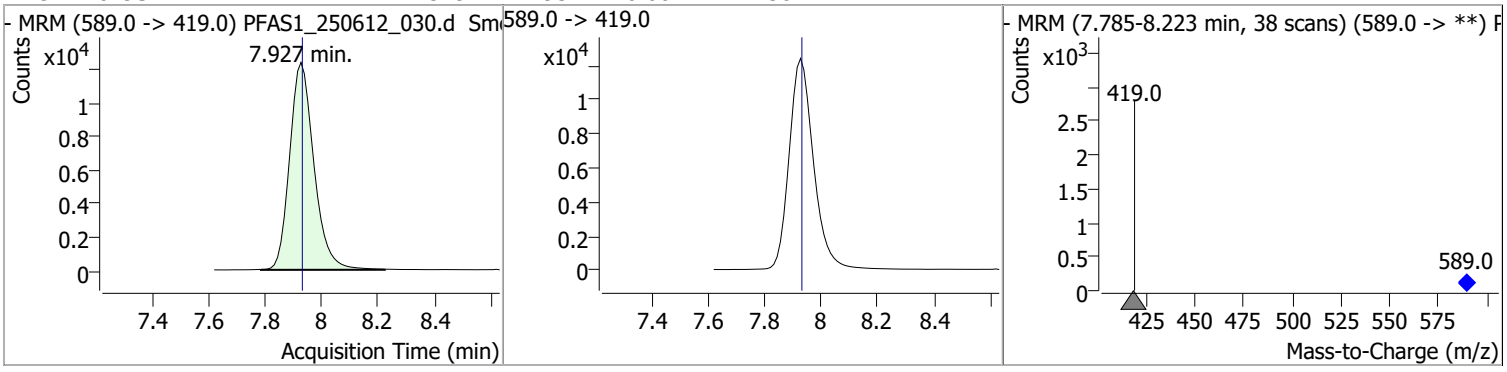
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25968	503.0 -> 99.0	49.9	36.6	67.9



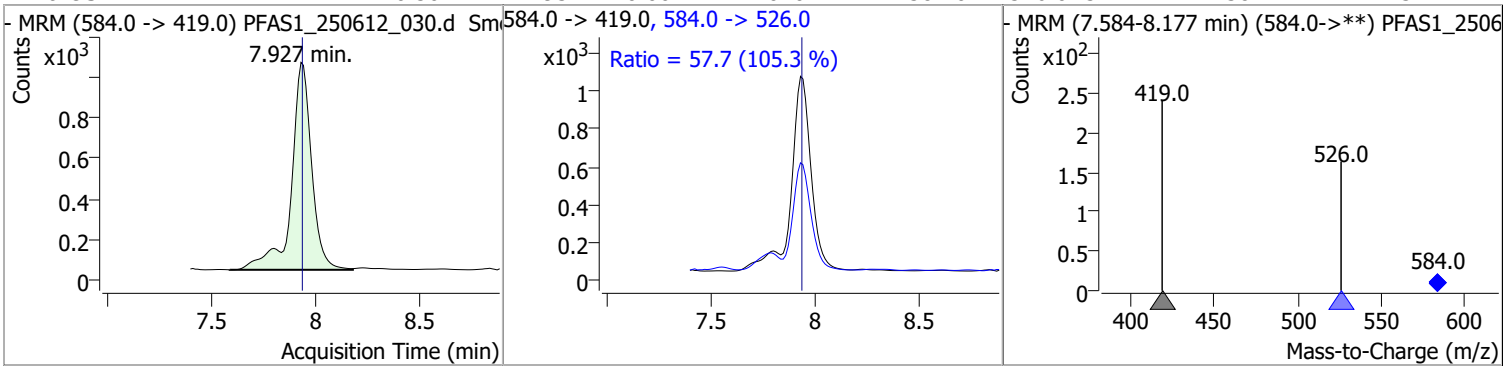
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.4496	7.76	0.00	5319	498.9 -> 99.0	49.0	34.4	64.0



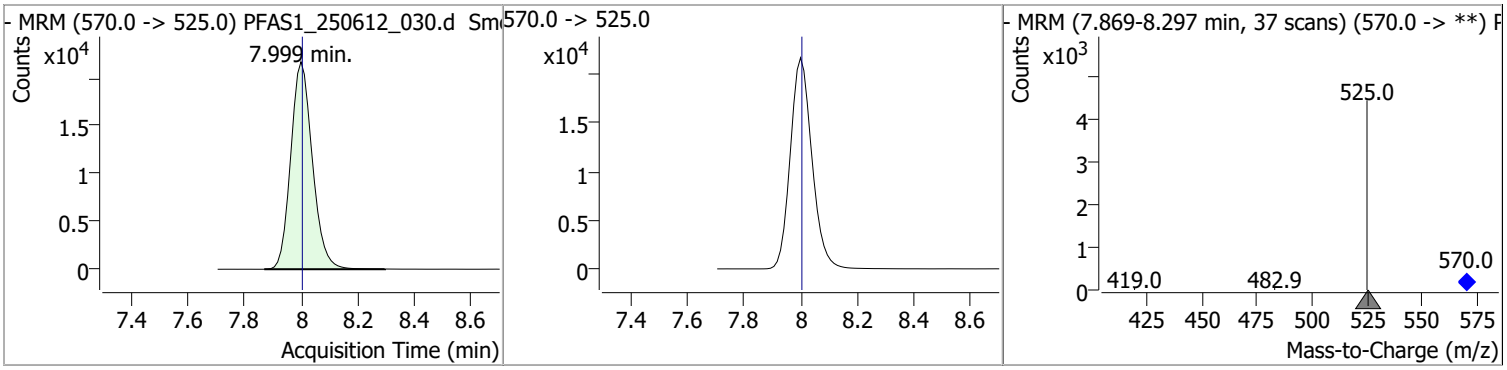
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7525	7.93	0.00	73842				



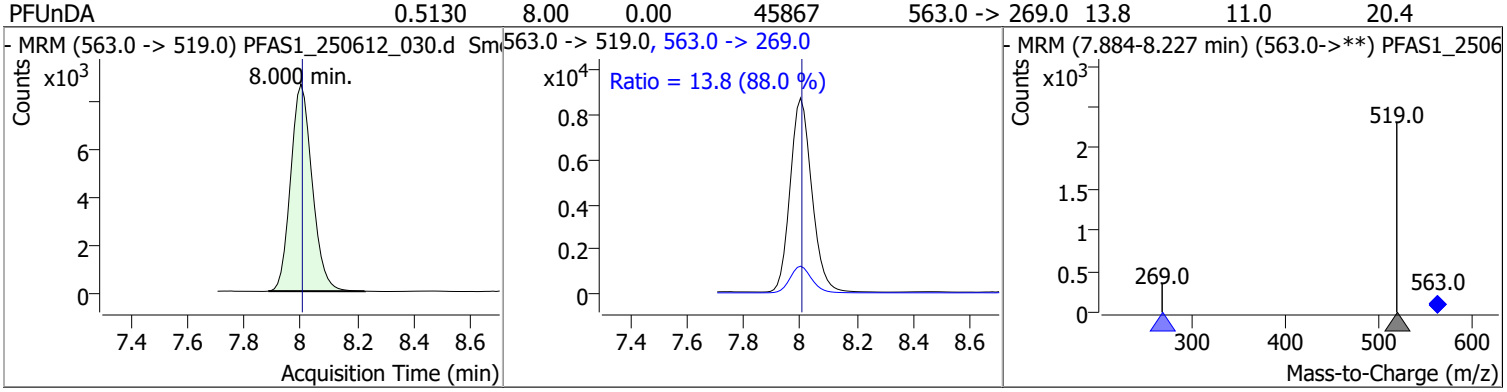
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.5012	7.93	0.00	7010	584.0 -> 526.0	57.7	38.4	71.3



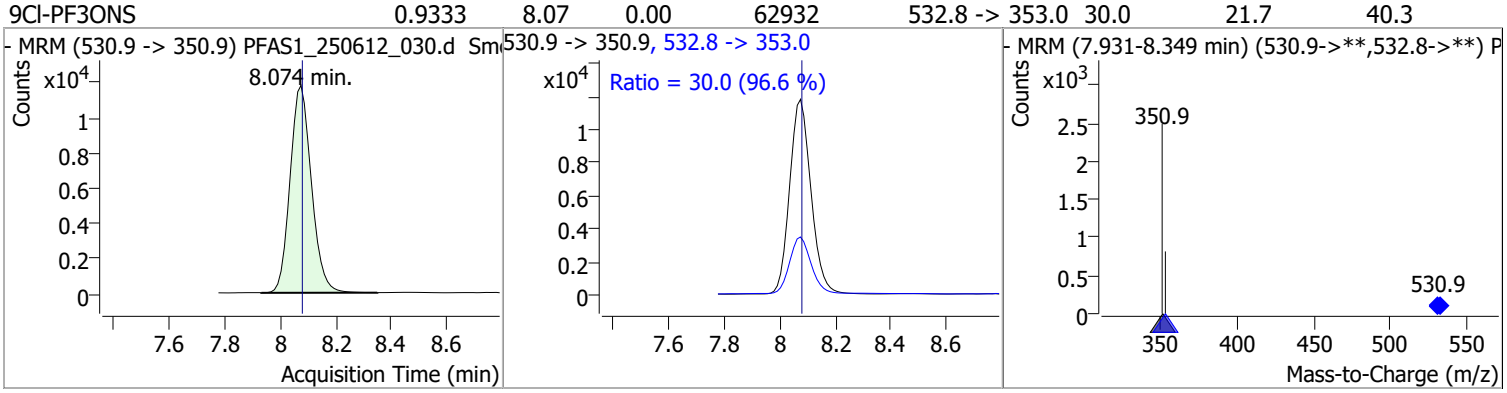
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2487	8.00	0.00	115277				



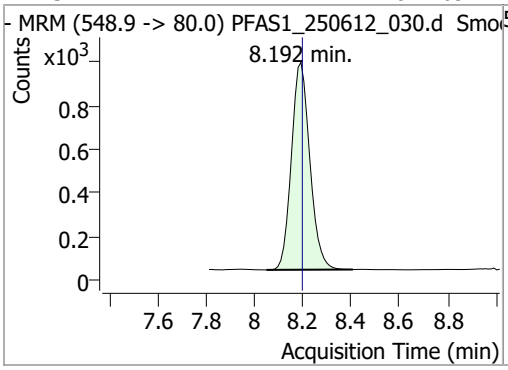
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.5130	8.00	0.00	45867	563.0 -> 269.0	13.8	11.0	20.4

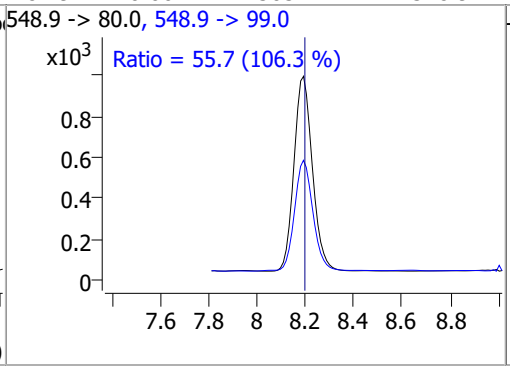


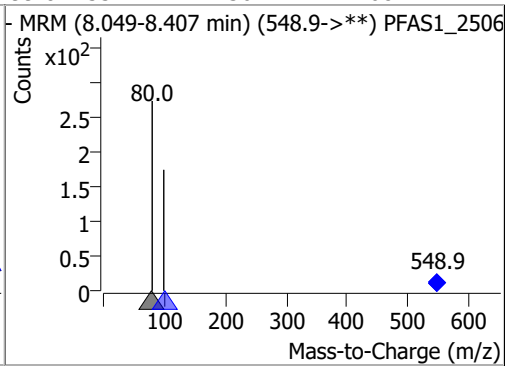
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.9333	8.07	0.00	62932	532.8 -> 353.0	30.0	21.7	40.3



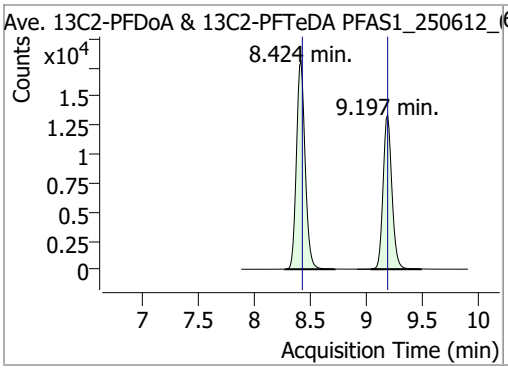
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.4769	8.19	0.00	5057	548.9 -> 99.0	55.7	36.7	68.1

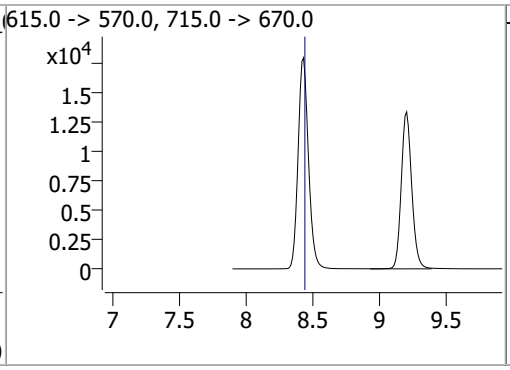


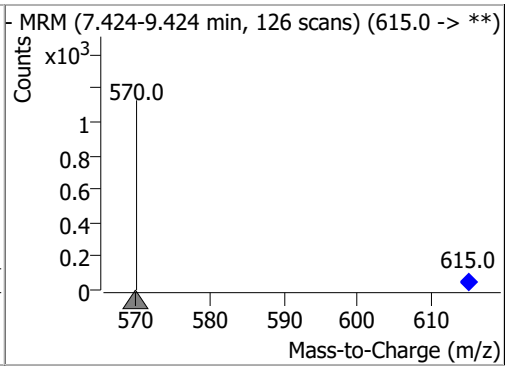




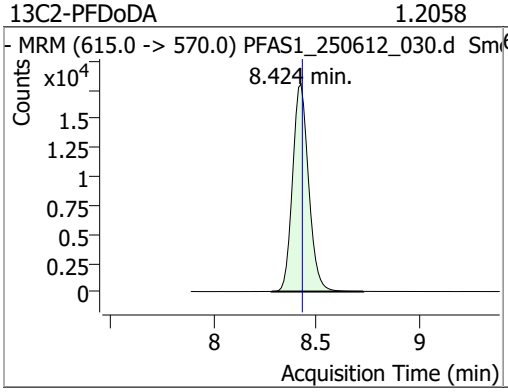
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0698	8.81	0.39	84850				

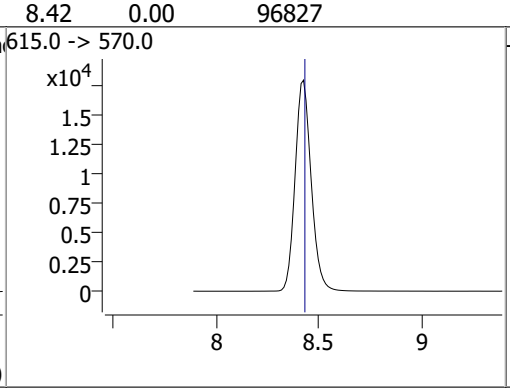


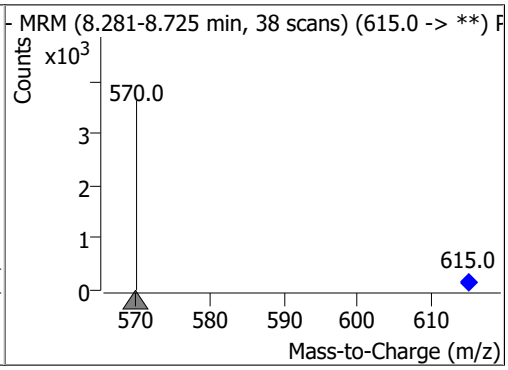




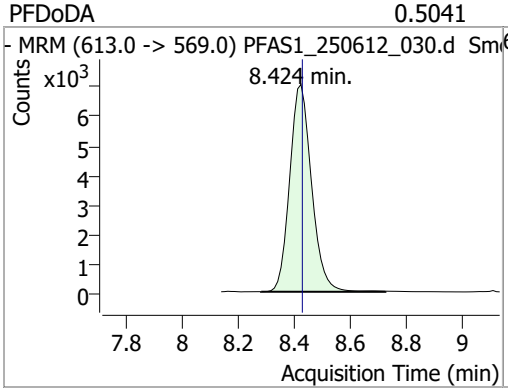
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2058	8.42	0.00	96827				

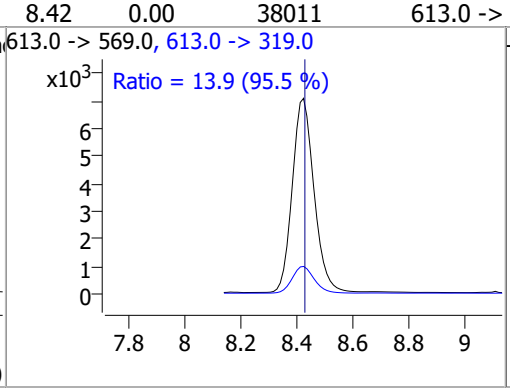


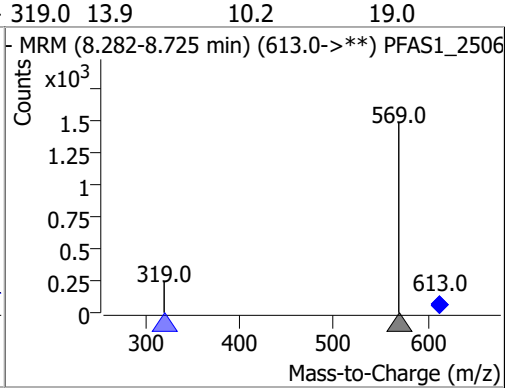




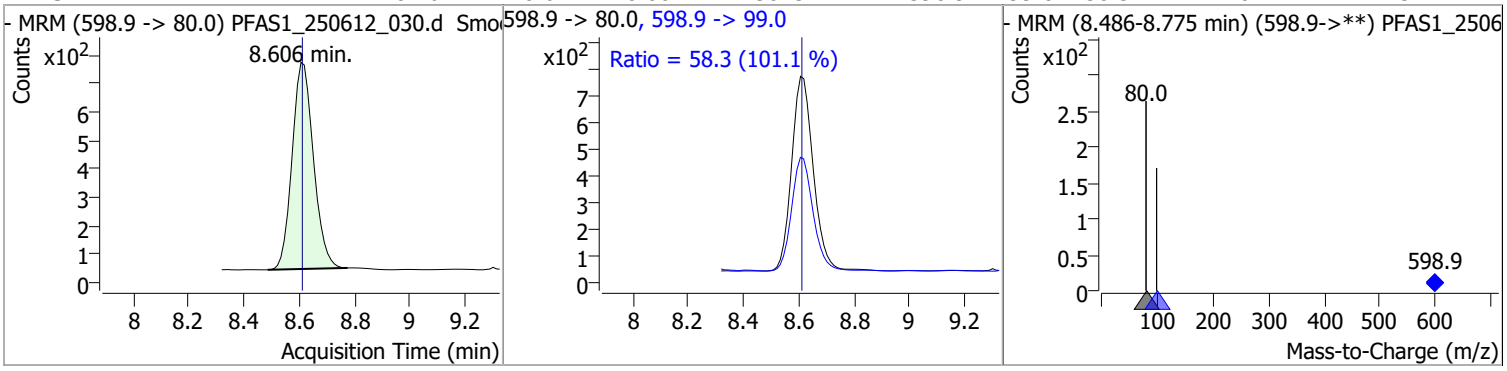
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.5041	8.42	0.00	38011	613.0 -> 319.0	13.9	10.2	19.0



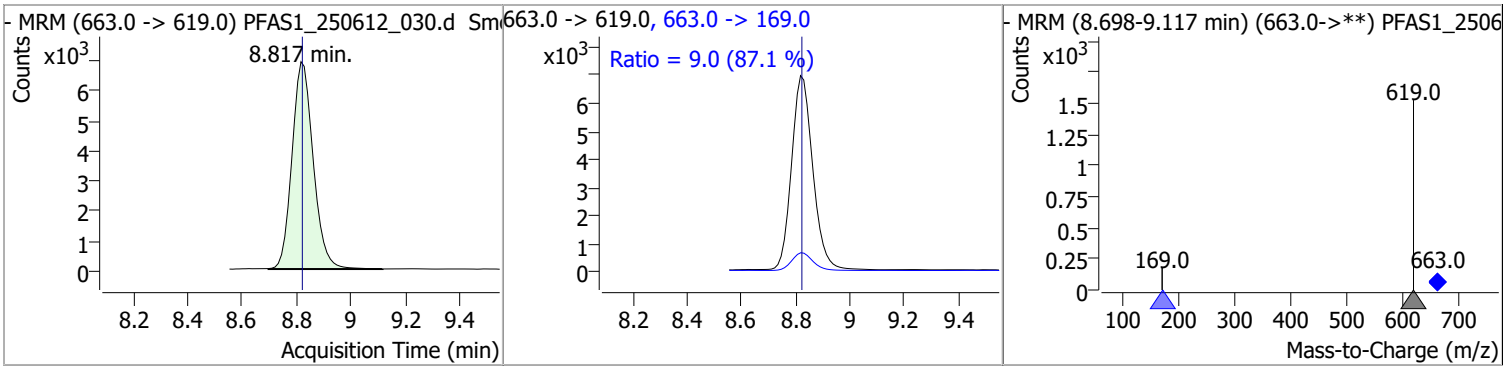




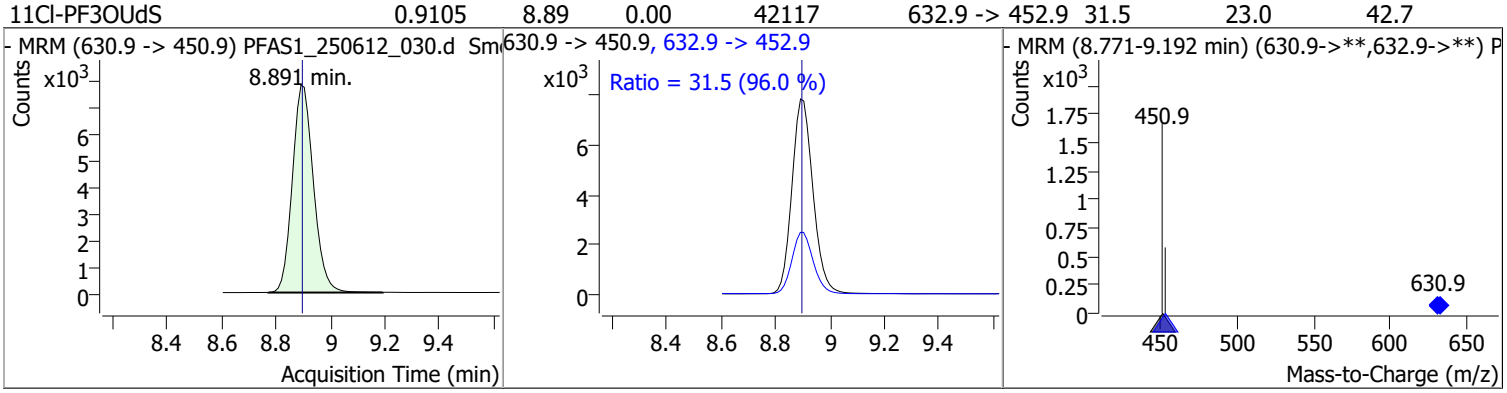
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.4627	8.61	0.00	3875	598.9 -> 99.0	58.3	40.4	74.9



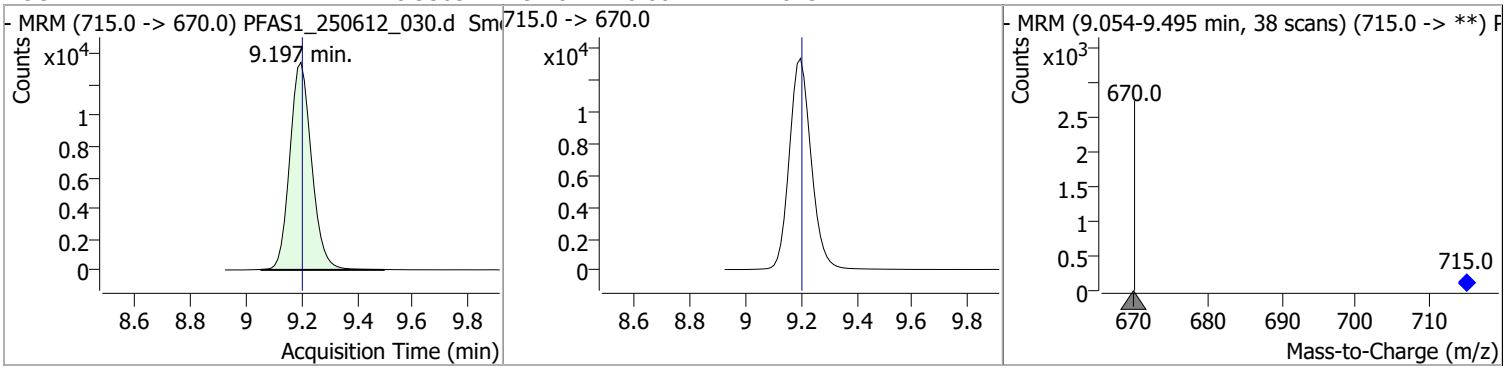
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.5711	8.82	0.00	37490	663.0 -> 169.0	9.0	7.2	13.4



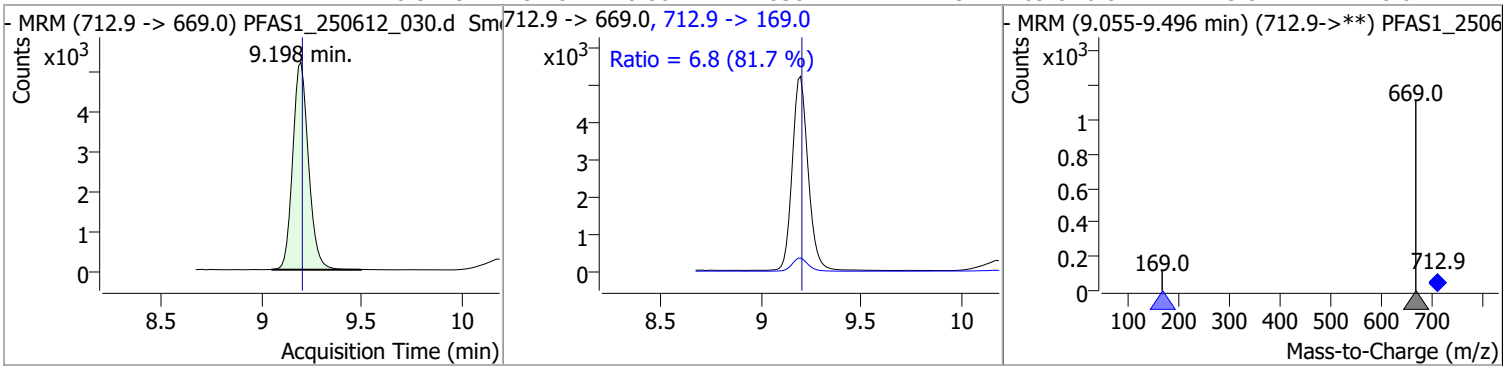
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.9105	8.89	0.00	42117	632.9 -> 452.9	31.5	23.0	42.7



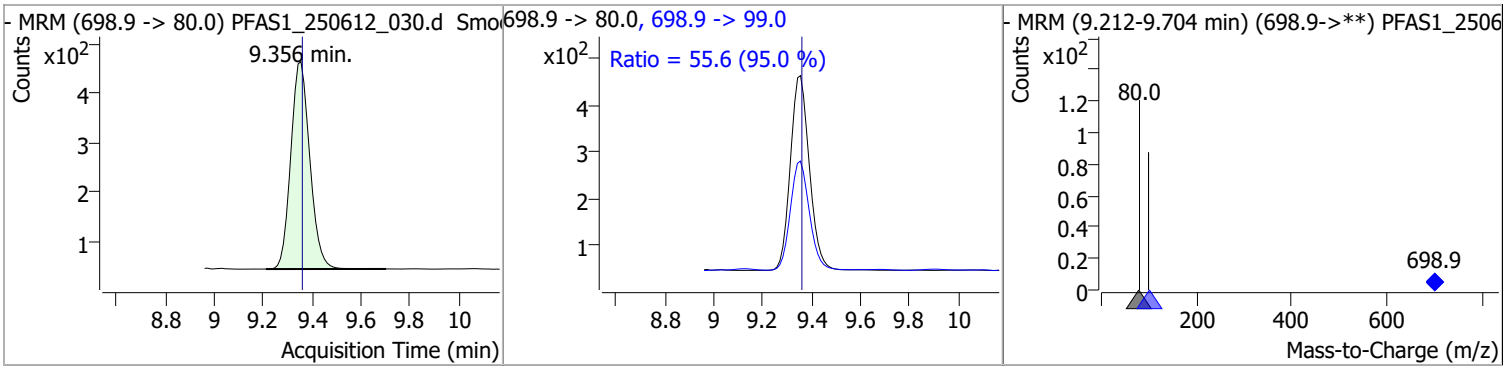
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.9305	9.20	0.00	72873				



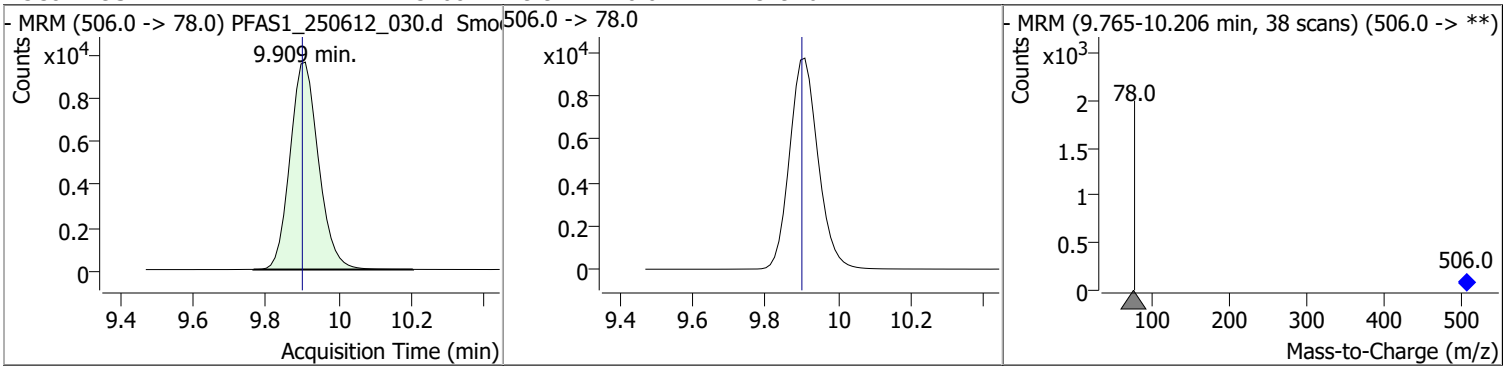
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5213	9.20	0.00	28384	712.9 -> 169.0	6.8	5.8	10.8



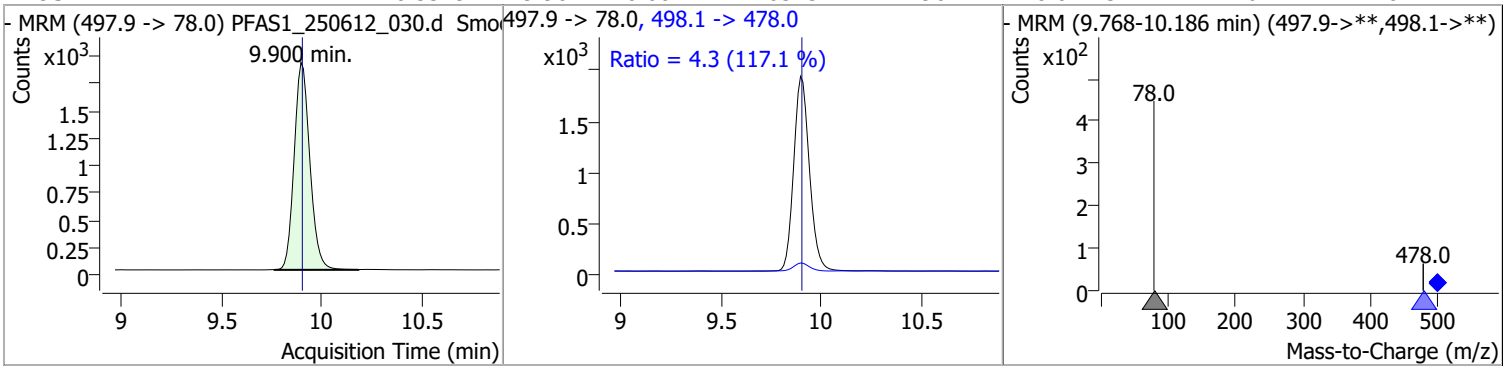
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.4145	9.36	0.00	2256	698.9 -> 99.0	55.6	41.0	76.1



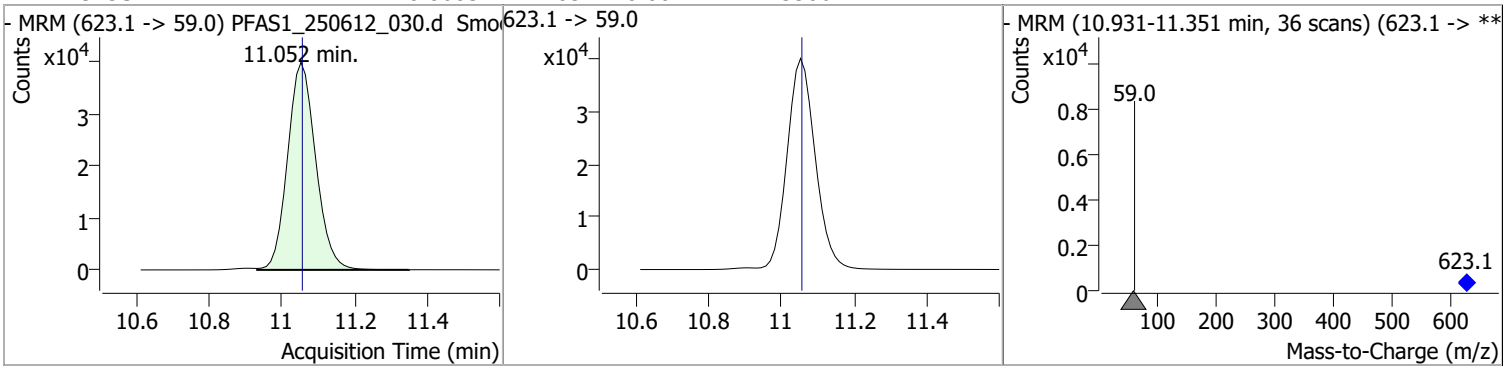
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3208	9.91	0.01	52926				



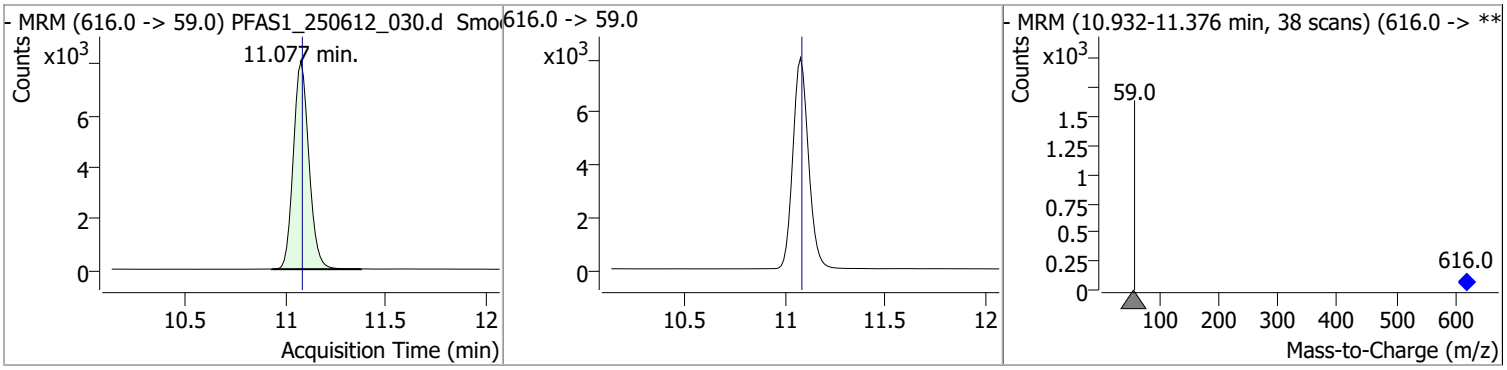
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.5325	9.90	0.00	10345	498.1 -> 478.0	4.3	2.6	4.8



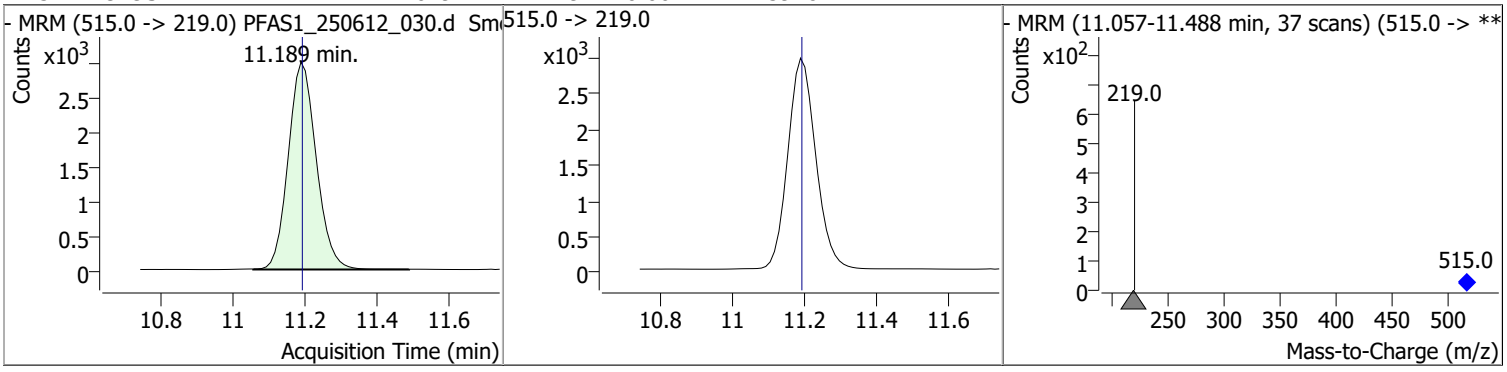
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	18.8683	11.05	0.00	215586				



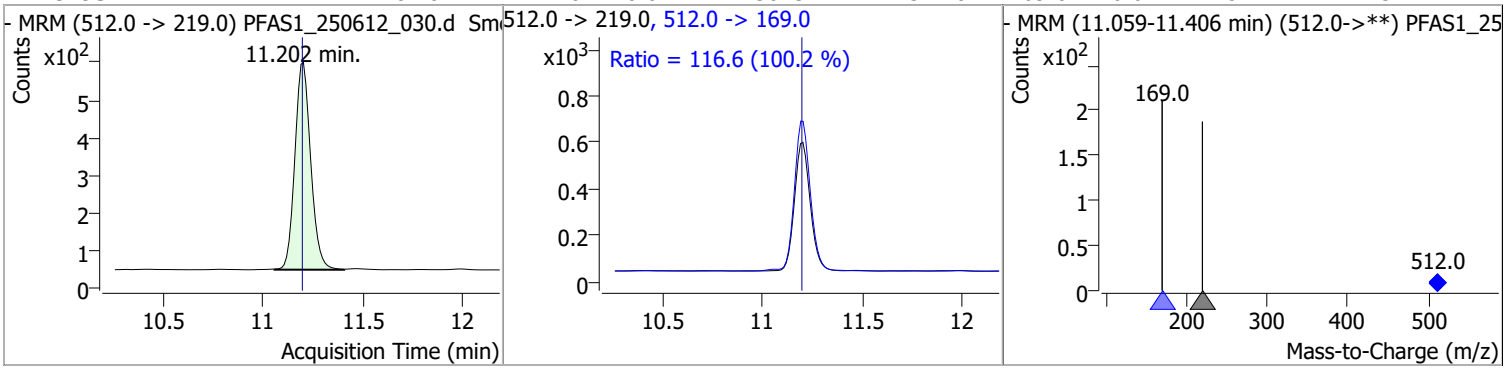
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	5.1844	11.08	0.00	43386				



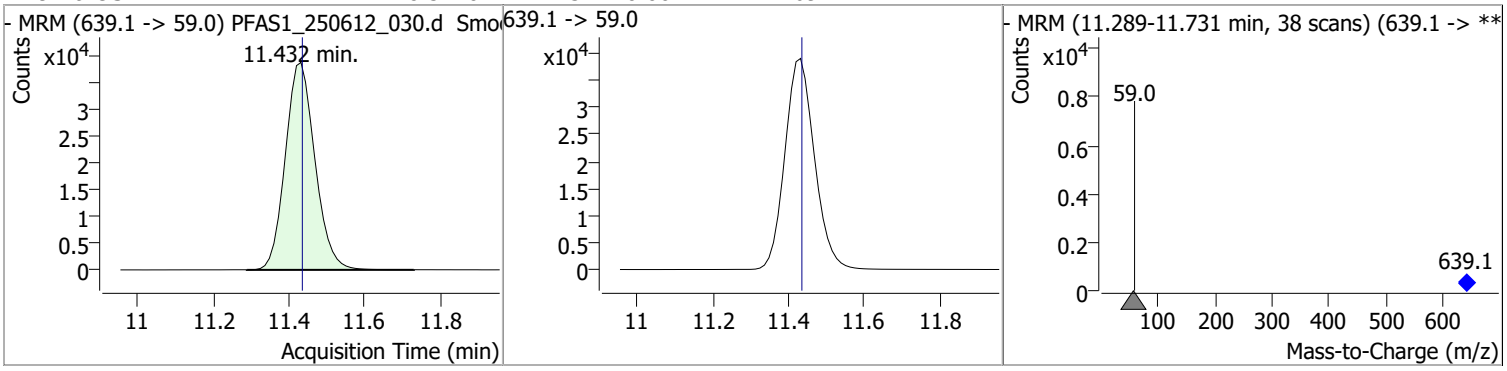
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.0797	11.19	0.00	15928				



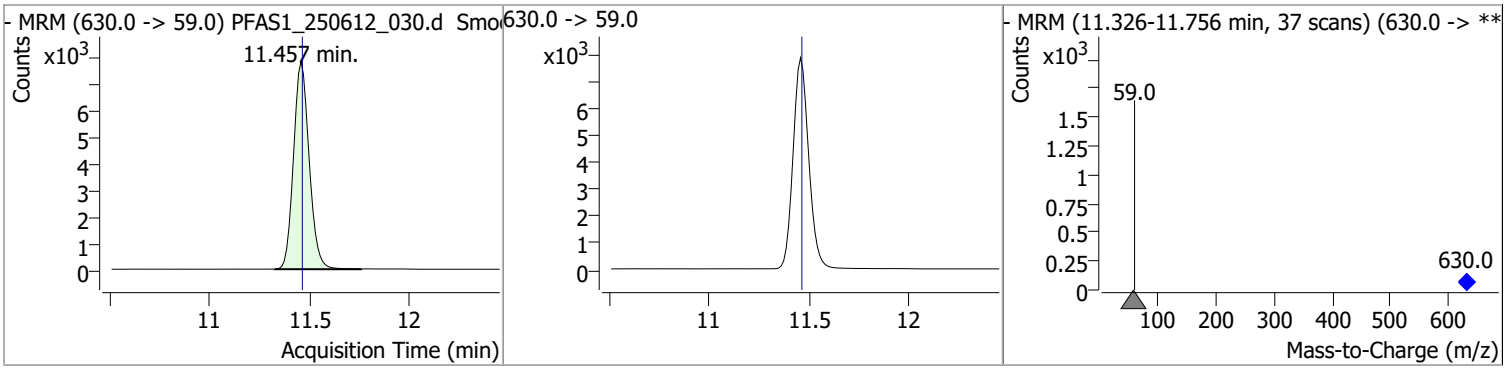
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.4877	11.20	0.01	3043	512.0 -> 169.0	116.6	81.4	151.2



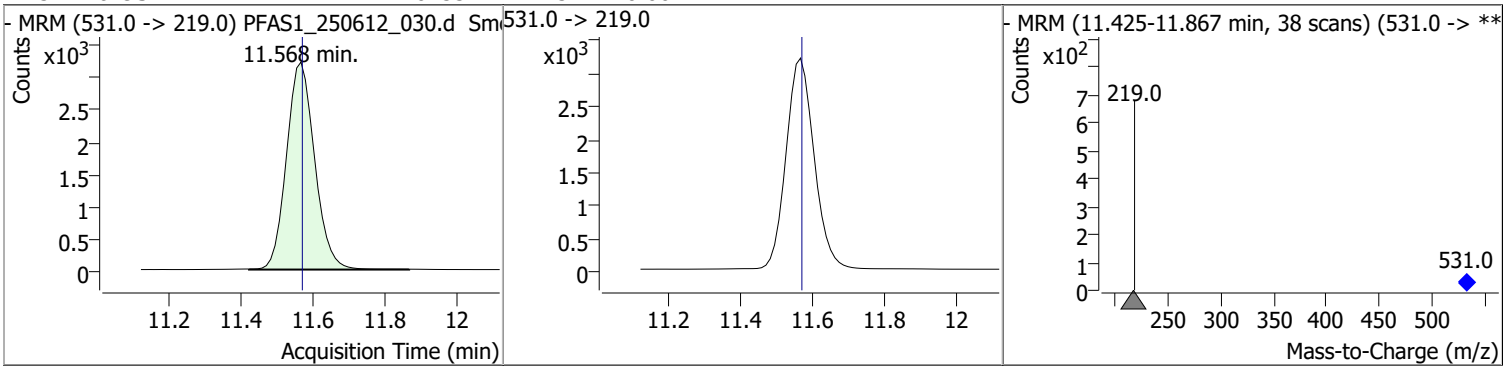
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	18.5210	11.43	0.00	211694				



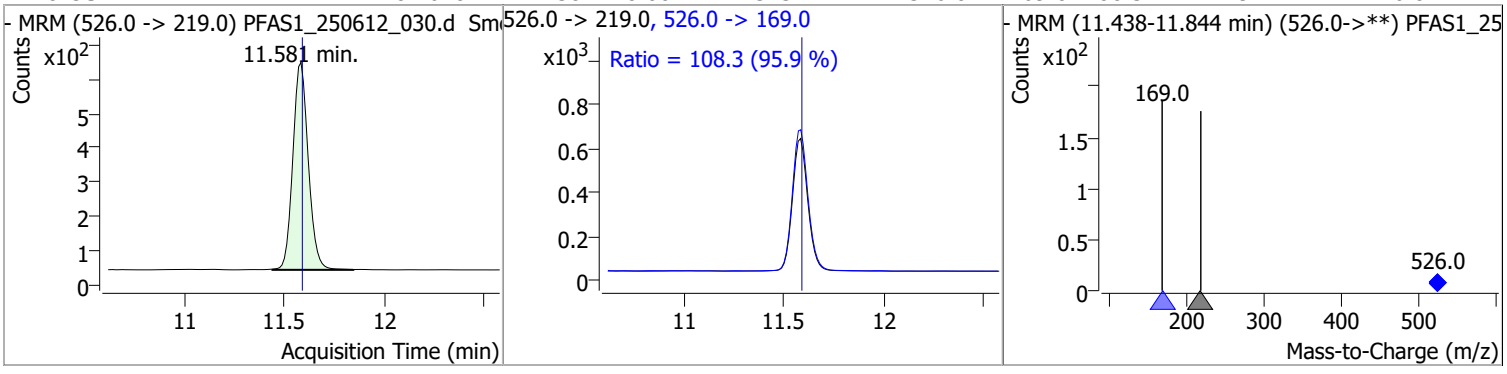
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.1909	11.46	0.00	42438				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0453	11.57	0.00	17211				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.4648	11.58	0.00	3252	526.0 -> 169.0	108.3	79.1	146.8



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BS2	File ID:	PFAS1_250612_031.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 21:01
		Preparation:	1633 Water	Dilution:	1
Batch:	B25F0614	Sequence:	S25F0493	Calibration:	OF250075
Instrument:	PFAS1				

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
375-22-4	PFBA	217	0.48	3.20	6.40	
2706-90-3	PFPeA	107	0.14	1.60	3.20	
307-24-4	PFHxA	54.3	0.13	0.80	1.60	
375-85-9	PFHpA	53.3	0.16	0.80	1.60	
335-67-1	PFOA	54.7	0.12	0.80	1.60	
375-95-1	PFNA	53.4	0.09	0.80	1.60	
335-76-2	PFDA	54.8	0.13	0.80	1.60	
2058-94-8	PFUnA	53.0	0.19	0.80	1.60	
307-55-1	PFDoA	54.9	0.11	0.80	1.60	
72629-94-8	PFTrDA	58.7	0.07	0.80	1.60	
376-06-7	PFTeDA	54.2	0.12	0.80	1.60	
375-73-5	PFBS	49.8	0.19	0.71	1.42	
2706-91-4	PFPeS	52.4	0.21	0.76	1.51	
355-46-4	PFHxS	50.8	0.23	0.73	1.46	
375-92-8	PFHpS	51.3	0.41	0.76	1.52	
1763-23-1	PFOS	50.8	0.22	0.93	1.86	
68259-12-1	PFNS	51.3	0.20	0.77	1.54	
335-77-3	PFDS	49.1	0.14	0.77	1.54	
79780-39-5	PFDoS	40.3	0.08	0.78	1.55	
757124-72-4	4:2FTS	225	0.41	3.00	6.00	
27619-97-2	6:2FTS	218	2.77	3.04	6.08	
39108-34-4	8:2FTS	217	0.61	3.07	6.14	
754-91-6	PFOSA	55.1	0.10	0.80	1.60	
31506-32-8	NMeFOSA	51.8	0.26	0.80	1.60	
4151-50-2	NEtFOSA	51.5	0.31	0.80	1.60	
2355-31-9	NMeFOSAA	55.1	0.44	0.80	1.60	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0614-BS2	File ID:	PFAS1_250612_031.d
		Prepared:	06/11/25 11:09	Analyzed:	06/12/25 21:01
		Preparation:	1633 Water	Dilution:	1

Batch: B25F0614 Sequence: S25F0493 Calibration: OF250075 Instrument: PFAS1

CAS NO.	COMPOUND	CONC. (ng/L)	MDL	LOD	LOQ	Q
2991-50-6	NEtFOSAA	52.7	0.29	0.80	1.60	
24448-09-7	NMeFOSE	542	1.01	8.00	16.0	
1691-99-2	NEtFOSE	547	1.26	8.00	16.0	
13252-13-6	HFPO-DA	105	0.41	1.60	3.20	
919005-14-4	ADONA	96.3	0.15	1.51	3.02	
756426-58-1	9CL-PF3ONS	98.0	0.18	1.50	2.99	
763051-92-9	11CL-PF3OUdS	95.3	0.31	1.51	3.02	
356-02-5	3:3FTCA	145	0.66	3.20	6.40	
914637-49-3	5:3FTCA	959	3.66	16.0	32.0	
812-70-4	7:3FTCA	928	3.06	16.0	32.0	
113507-82-7	PFEESA	87.9	0.17	1.42	2.85	
377-73-1	PFMPA	75.6	0.11	1.60	3.20	
863090-89-5	PFMBA	104	0.12	1.60	3.20	
151772-58-6	NFDHA	100	0.45	1.60	3.20	

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_031.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 9:01:27 PM
Sample Name	B25F0614-BS2	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

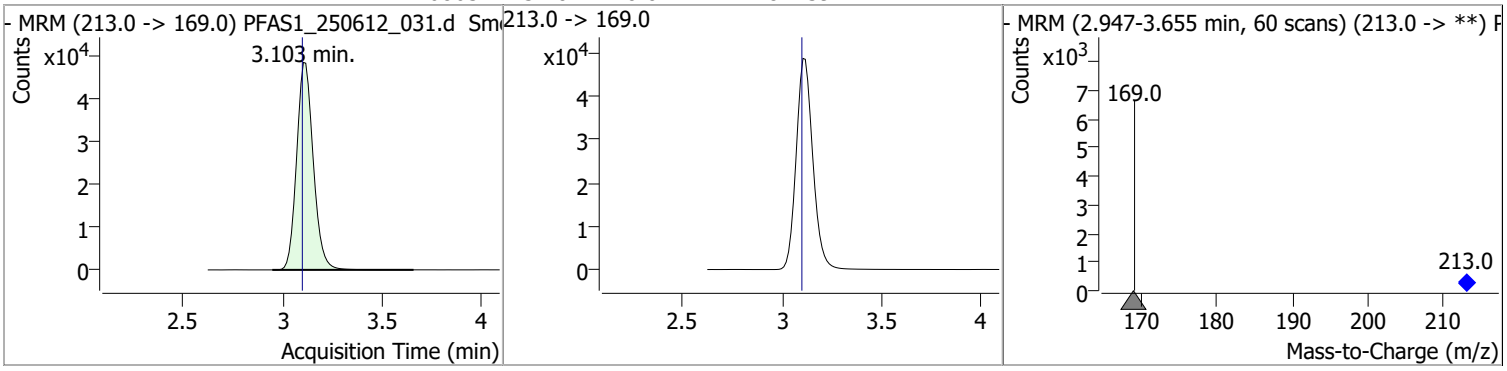
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168912	5.0000	µg/L	6.786
13C2-PFHxA	5.491	315.0 -> 270.0	182098	2.5000	µg/L	1.916
18O2-PFHxS	6.796	403.0 -> 84.0	23357	2.5000	µg/L	-0.609
13C4-PFOA	6.663	417.0 -> 172.0	20480	2.5000	µg/L	1.413
13C5-PFNA	7.125	468.0 -> 423.0	123622	1.2500	µg/L	3.296
13C2-PFDA	7.564	515.0 -> 470.0	127375	1.2500	µg/L	1.793
13C4-PFOS	7.745	503.0 -> 80.0	25058	2.5000	µg/L	0.370
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	143449	10.0000	µg/L	-60.698
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 36.78%		
13C4-PFBA	3.107	217.0 -> 172.0	143449	10.0000	µg/L	-60.698
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 36.78%		
13C5-PFPeA	4.594	268.0 -> 223.0	256486	5.0000	µg/L	-4.923
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C5-PFPeA	4.594	268.0 -> 223.0	256486	5.0000	µg/L	-4.923
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	17098	5.0000	µg/L	6.099
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.31%		
13C5-PFHxA	5.490	318.0 -> 273.0	181793	2.5000	µg/L	-1.199
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.93%		
13C5-PFHxA	5.490	318.0 -> 273.0	181793	2.5000	µg/L	-1.199
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.93%		
13C3-PFBS	5.505	302.0 -> 80.0	41358	2.5000	µg/L	-2.977
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.81%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	209230	10.0000	µg/L	-5.698
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 92.50%		
13C4-PFHpA	6.142	367.0 -> 322.0	207221	2.5000	µg/L	-2.804
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.33%		
13C3-PFHxS	6.797	402.0 -> 80.0	25756	2.5000	µg/L	-4.542
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.09%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	11983	5.0000	µg/L	6.259
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 107.32%		
13C8-PFOA	6.662	421.0 -> 376.0	218918	2.5000	µg/L	-3.089
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.48%		
13C3-PFHxS	6.797	402.0 -> 80.0	25756	2.5000	µg/L	-4.542
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 96.09%		
13C9-PFNA	7.125	472.0 -> 427.0	122668	1.2500	µg/L	-0.027
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.81%		
13C8-PFOS	7.744	507.0 -> 80.0	24349	2.5000	µg/L	-1.598
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.08%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	12933	5.0000	µg/L	5.081
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.79%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	12933	5.0000	µg/L	5.081
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 105.79%		
13C6-PFDA	7.563	519.0 -> 474.0	130307	1.2500	µg/L	-1.954

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.38%		
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	87063	5.0000	µg/L	-6.325
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.07%		
13C8-PFOS	7.744	507.0 -> 80.0	24349	2.5000	µg/L	-1.598
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.08%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	68724	5.0000	µg/L	-7.804
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.67%		
13C7-PFUnDA	7.999	570.0 -> 525.0	111931	1.2500	µg/L	-2.975
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 95.34%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	80945	1.2500	µg/L	-18.241
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.26%		
13C2-PFDoDA	8.424	615.0 -> 570.0	92658	1.2500	µg/L	-7.574
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 90.73%		
13C2-PFTDA	9.197	715.0 -> 670.0	69231	1.2500	µg/L	-29.180
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 69.51%		
13C8-PFOSA	9.909	506.0 -> 78.0	52081	2.5000	µg/L	-4.778
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.67%		
2H7-MeFOSE	11.052	623.1 -> 59.0	226916	25.0000	µg/L	-17.398
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 82.32%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16159	2.5000	µg/L	-11.959
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 87.46%		
2H9-EtFOSE	11.432	639.1 -> 59.0	221637	25.0000	µg/L	-19.339
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.38%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	16762	2.5000	µg/L	-17.007
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 82.57%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	282439	21.6863	µg/L	100
PFMPA	3.806	229.0 -> 85.0	180605	7.5566	µg/L	100
3-3 FTCA	4.042	241.0 -> 177.0	18154	14.4678	µg/L	100
PFPeA	4.596	263.0 -> 219.0	541538	10.7229	µg/L	100
PFMBA	4.910	279.0 -> 85.0	335035	10.3604	µg/L	100
4-2 FTSA	5.251	327.0 -> 307.0	262537	22.5441	µg/L	96
NFDHA	5.402	295.0 -> 201.0	28012	10.0273	µg/L	90
PFHxA	5.492	313.0 -> 269.0	398026	5.4256	µg/L	99
PFBS	5.507	298.9 -> 80.0	90853	4.9807	µg/L	99
HFPO-DA	5.736	285.0 -> 169.0	220628	10.4707	µg/L	97
PFEESA	5.860	314.9 -> 135.0	473807	8.7948	µg/L	97
5-3 FTCA	6.132	341.0 -> 237.0	609977	95.8862	µg/L	100
PFHpA	6.142	363.0 -> 319.0	436292	5.3312	µg/L	98
PFPeS	6.240	348.9 -> 80.0	66601	5.2418	µg/L	97
DONA	6.333	377.0 -> 251.0	934716	9.6277	µg/L	97
6-2 FTSA	6.448	427.0 -> 407.0	220404	21.7534	µg/L	97
PFOA	6.663	413.0 -> 369.0	470006	5.4681	µg/L	97
PFHxS	6.798	398.9 -> 80.0	53715	5.0844	µg/L	97
PFNA	7.126	463.0 -> 419.0	492661	5.3382	µg/L	97
PFHpS	7.295	448.9 -> 80.0	51120	5.1255	µg/L	98
8-2 FTSA	7.361	527.0 -> 507.0	199740	21.7455	µg/L	98
7-3 FTCA	7.463	441.0 -> 317.0	652418	92.8267	µg/L	100
PFDA	7.564	513.0 -> 469.0	545589	5.4766	µg/L	98
N-MeFOSAA	7.704	570.0 -> 419.0	84548	5.5140	µg/L	96
PFOS	7.746	498.9 -> 80.0	55441	5.0752	µg/L	98
N-EtFOSAA	7.927	584.0 -> 419.0	69784	5.2655	µg/L	99
PFUnDA	8.000	563.0 -> 519.0	469164	5.2997	µg/L	98
9Cl-PF3ONS	8.074	530.9 -> 350.9	661982	9.8046	µg/L	96

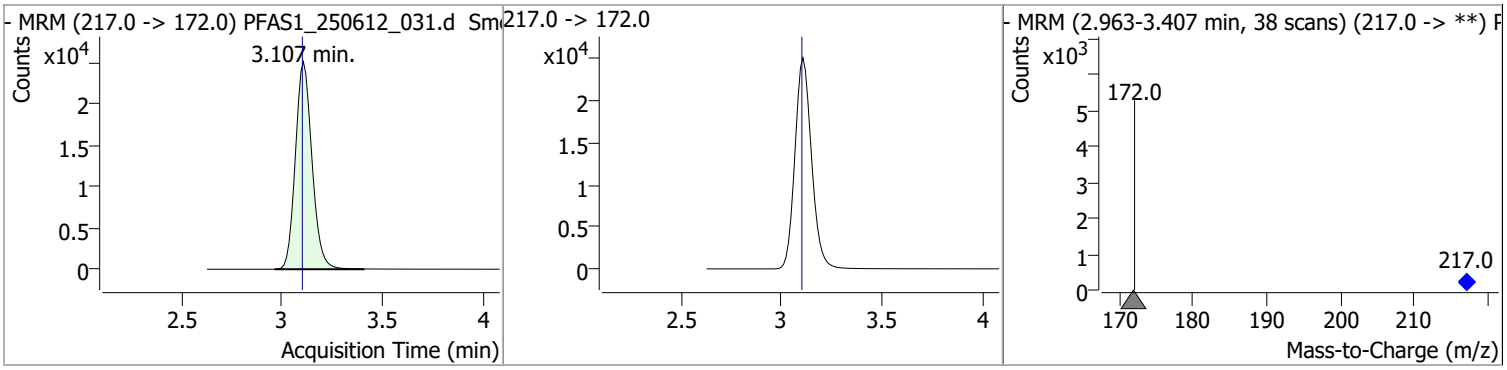
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
PFNS	8.192	548.9 -> 80.0	52684	5.1335	µg/L	98
PFDoDA	8.424	613.0 -> 569.0	399773	5.4880	µg/L	96
PFDS	8.606	598.9 -> 80.0	41386	4.9084	µg/L	95
PFTrDA	8.817	663.0 -> 619.0	376662	5.8687	µg/L	96
11Cl-PF3OUdS	8.891	630.9 -> 450.9	445448	9.5285	µg/L	99
PFTDA	9.198	712.9 -> 669.0	287624	5.4212	µg/L	96
PFDoS	9.356	698.9 -> 80.0	22312	4.0272	µg/L	99
PFOSA	9.900	497.9 -> 78.0	106221	5.5110	µg/L	100
MeFOSE	11.077	616.0 -> 59.0	471054	54.1781	µg/L	100
N-MeFOSA	11.202	512.0 -> 219.0	32860	5.1758	µg/L	100
EtFOSE	11.457	630.0 -> 59.0	451455	54.7011	µg/L	100
N-EtFOSA	11.581	526.0 -> 219.0	36485	5.1513	µg/L	95

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

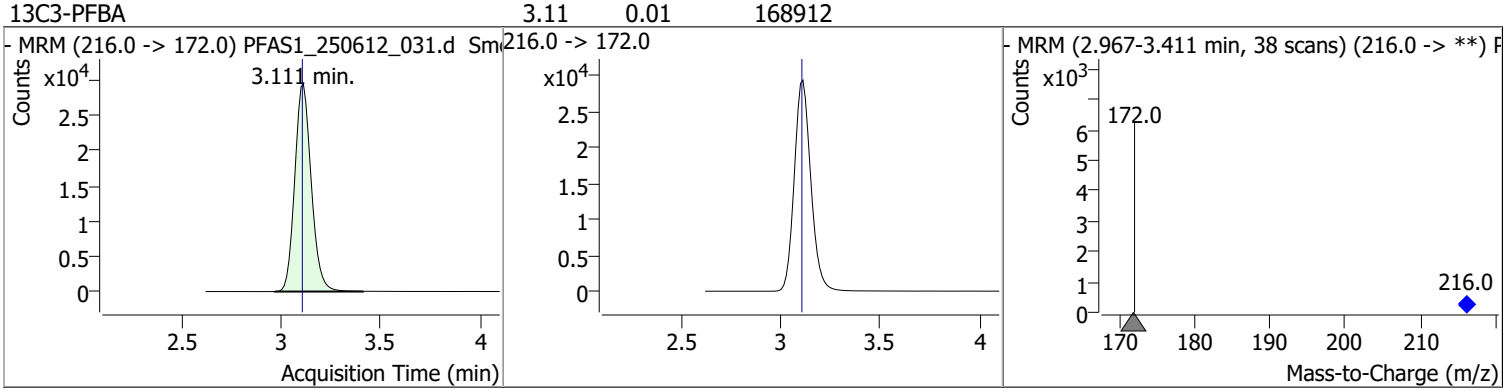
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	21.6863	3.10	0.01	282439				



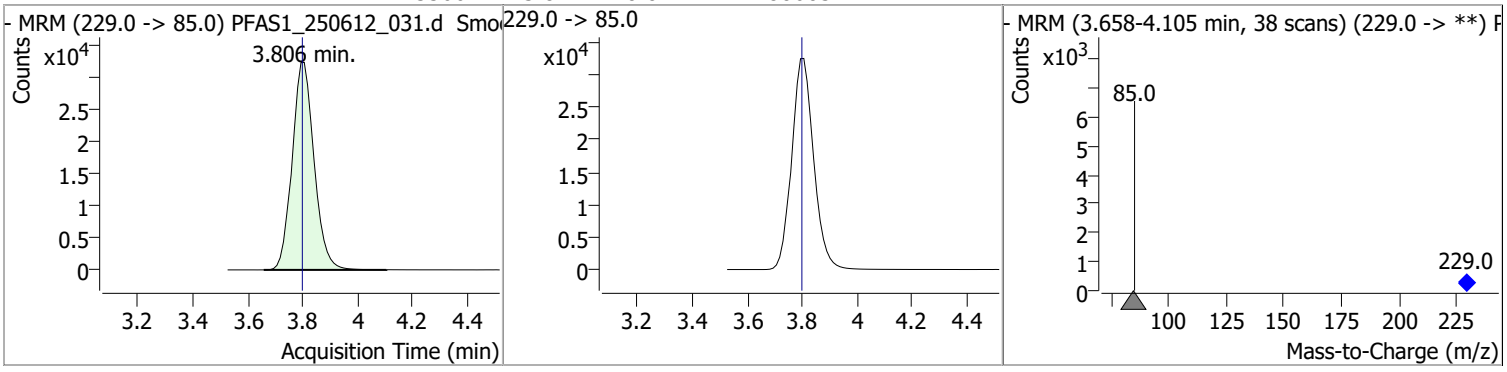
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	3.6783	3.11	0.01	143449				



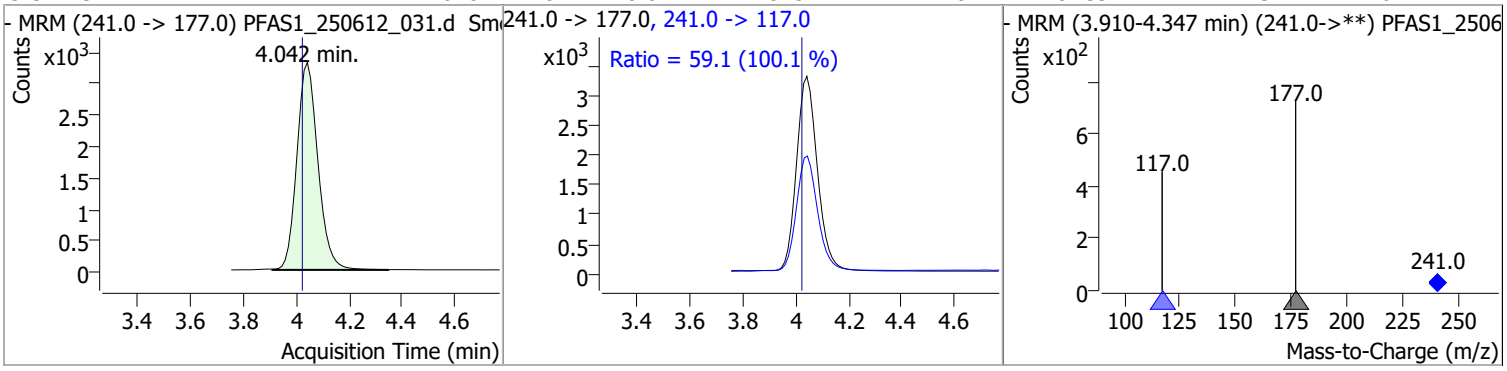
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	168912				



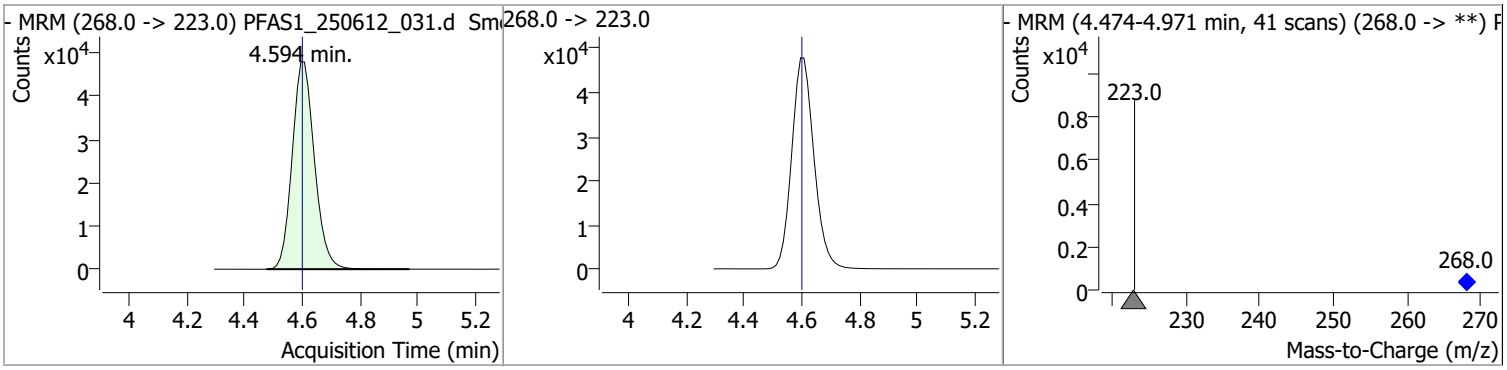
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	7.5566	3.81	0.01	180605				



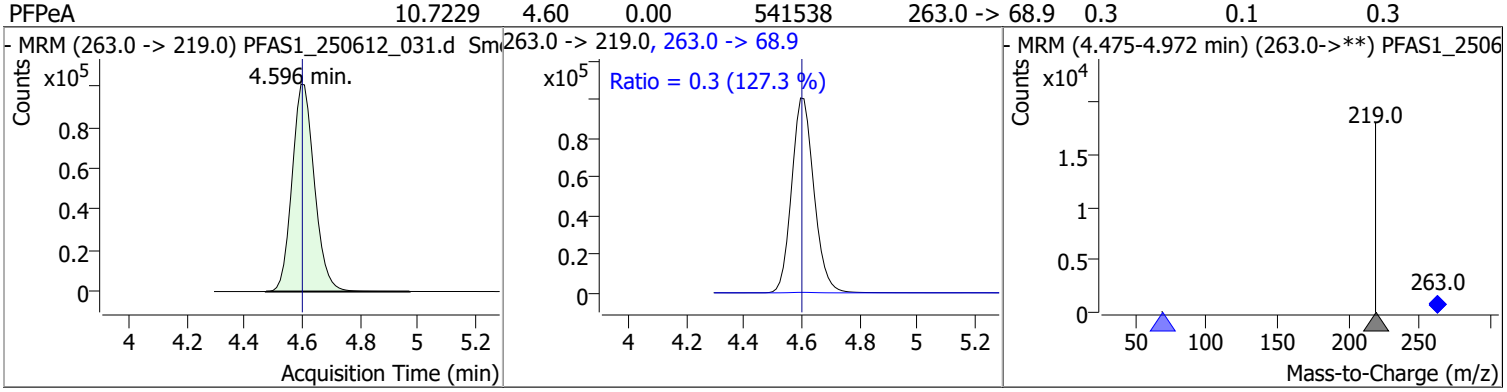
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	14.4678	4.04	0.02	18154	241.0 -> 117.0	59.1	41.3	76.7



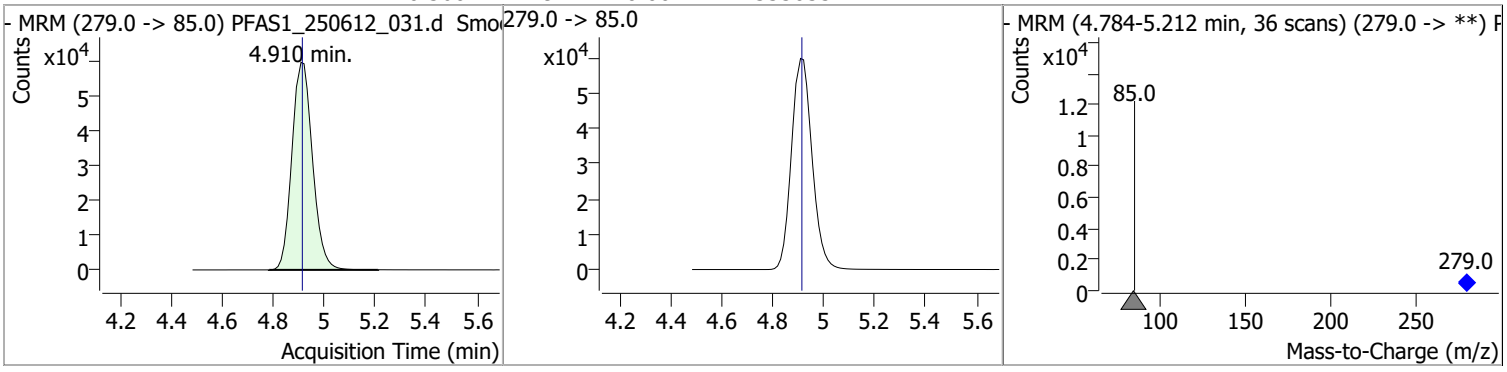
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6661	4.59	0.00	256486				



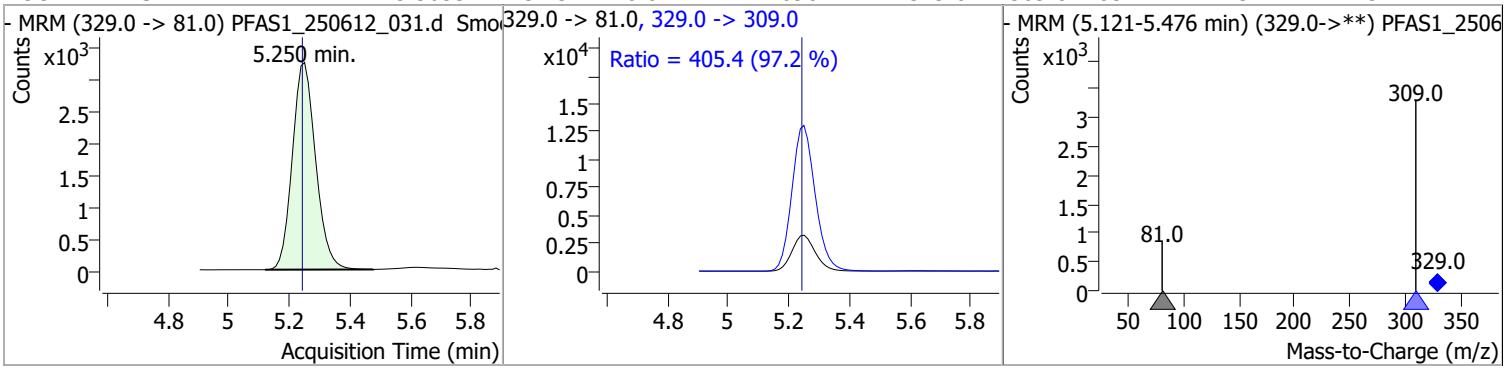
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	10.7229	4.60	0.00	541538	263.0 -> 68.9	0.3	0.1	0.3



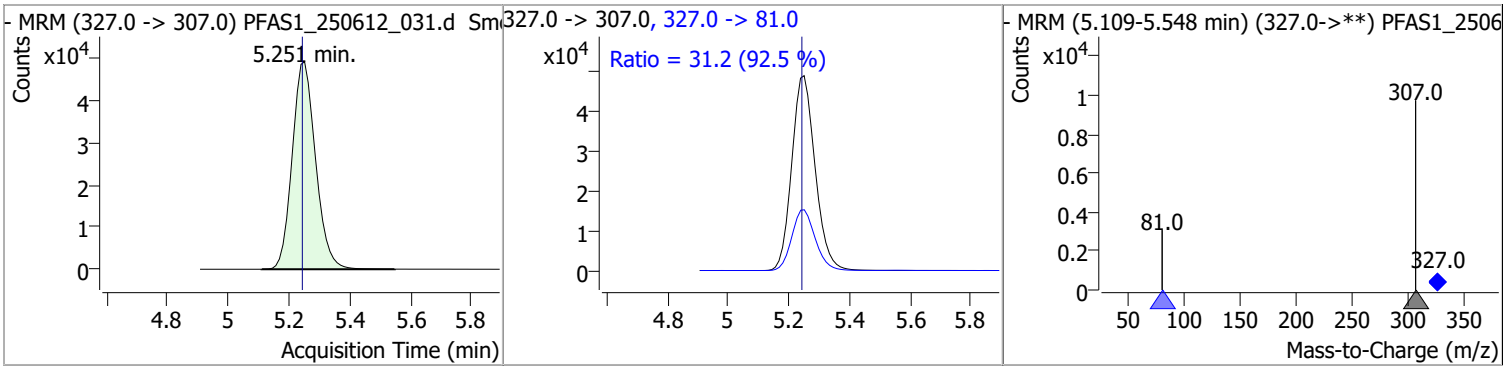
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	10.3604	4.91	0.00	335035				



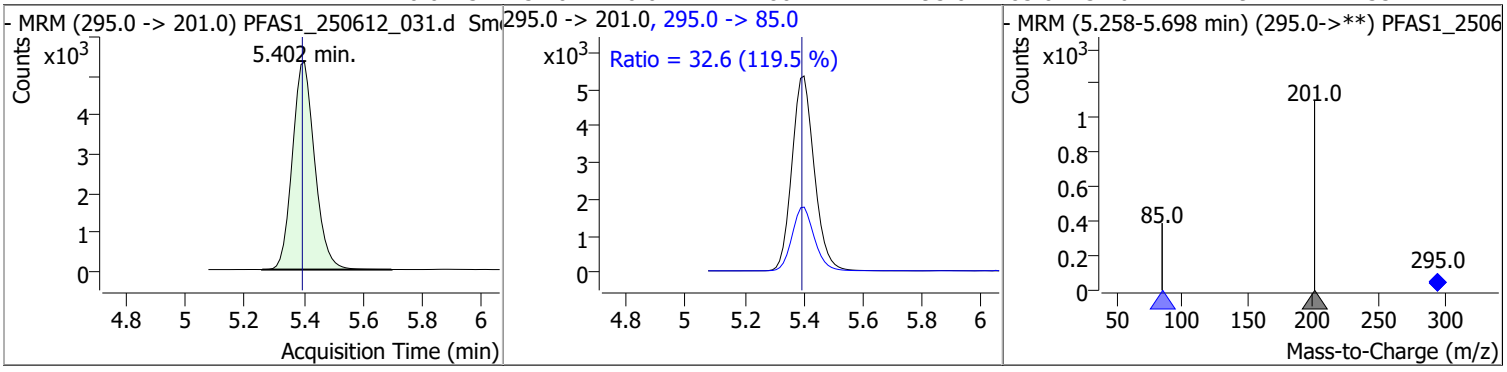
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3653	5.25	0.01	17098	329.0 -> 309.0	405.4	292.1	542.4



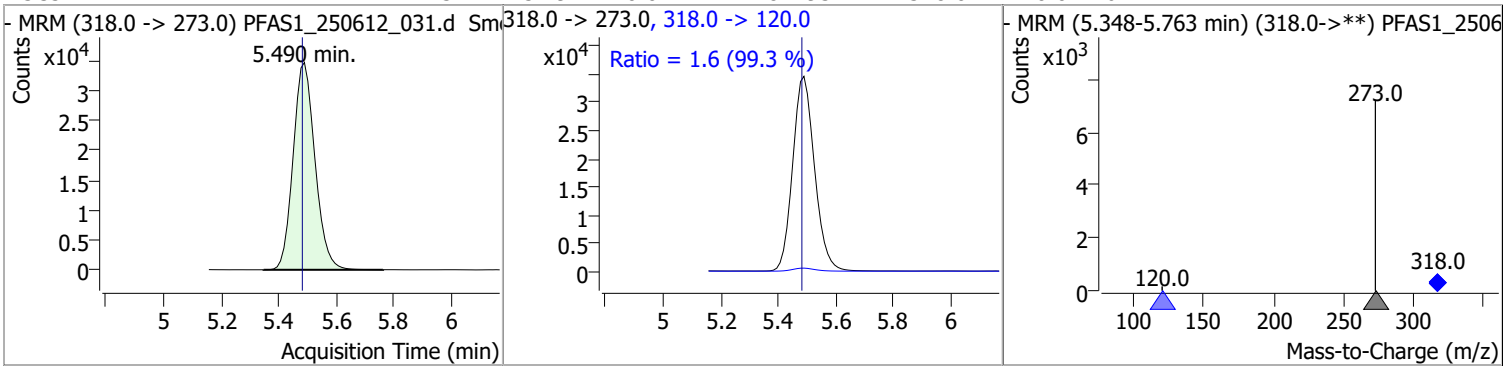
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	22.5441	5.25	0.01	262537	327.0 -> 81.0	31.2	23.6	43.9



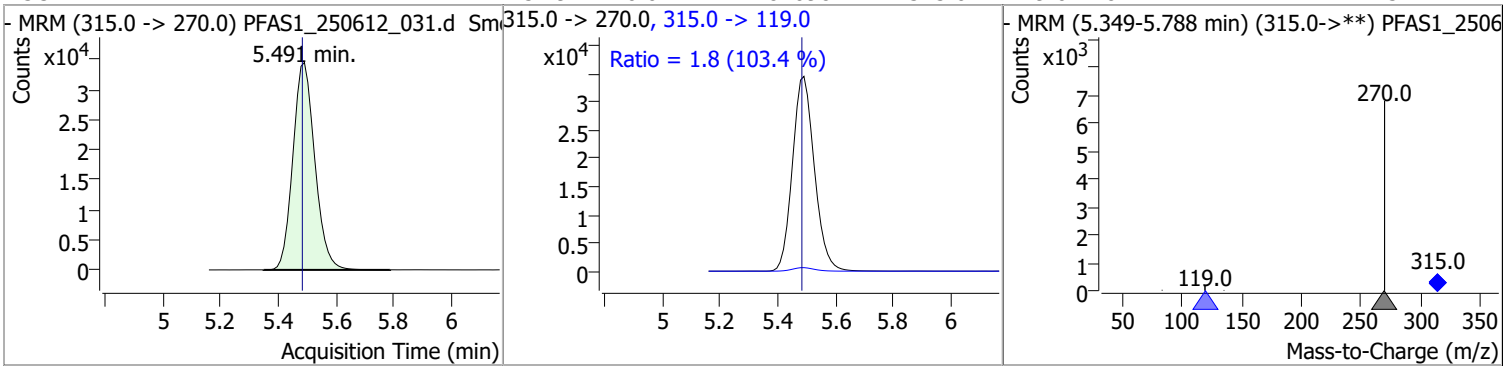
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	10.0273	5.40	0.01	28012	295.0 -> 85.0	32.6	19.1	35.4



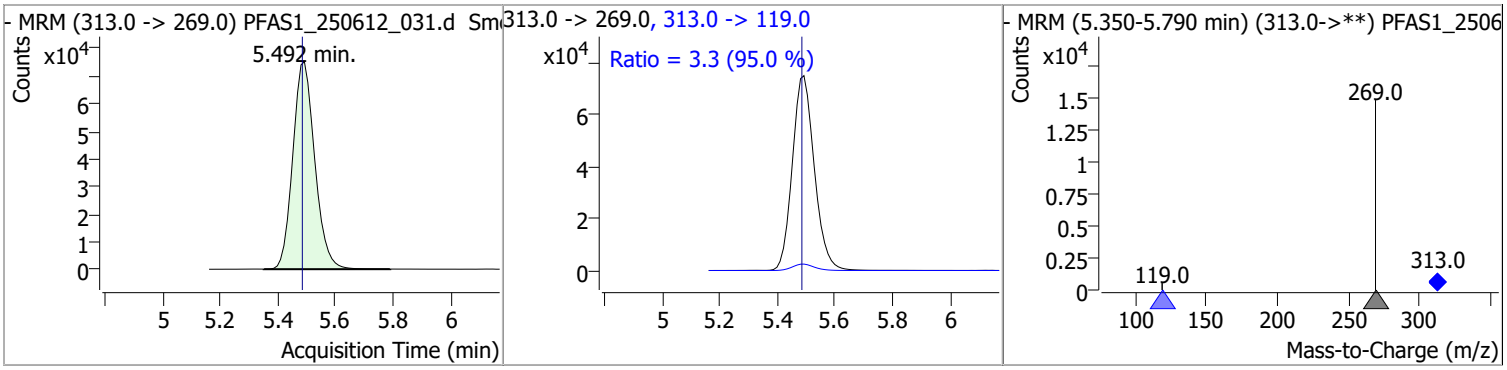
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4232	5.49	0.01	181793	318.0 -> 120.0	1.6	1.1	2.1



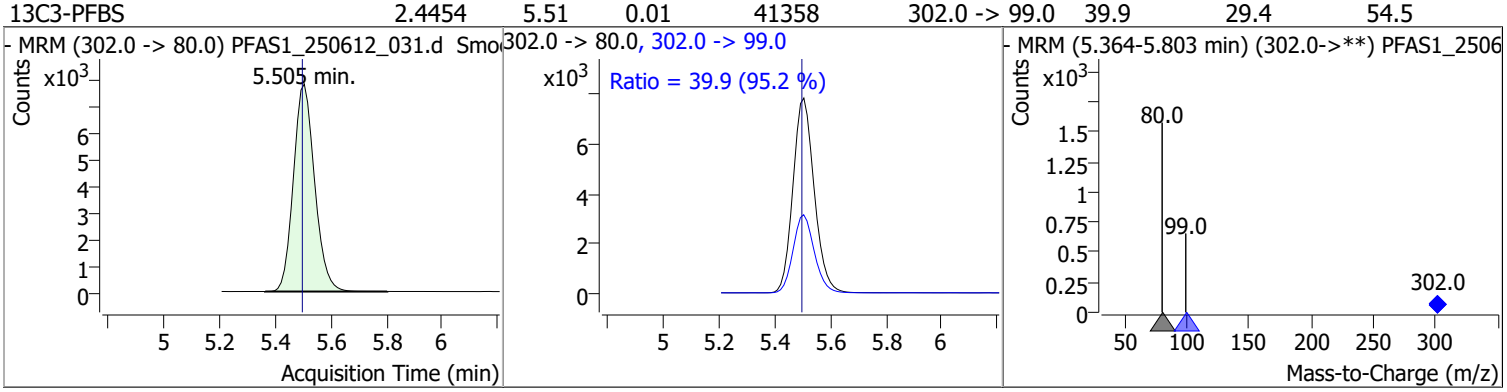
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	182098	315.0 -> 119.0	1.8	1.2	2.3



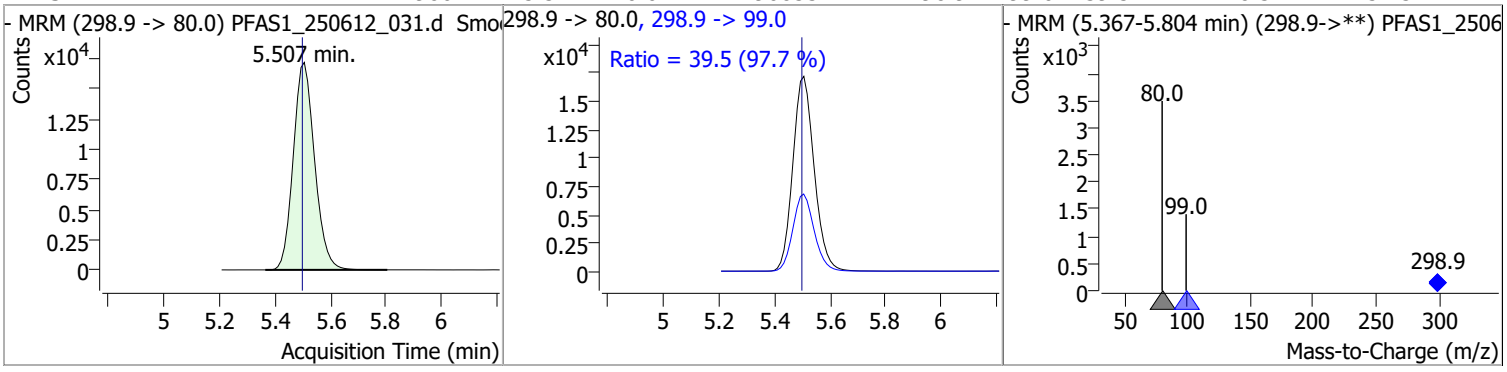
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	5.4256	5.49	0.01	398026	313.0 -> 119.0	3.3	2.4	4.5



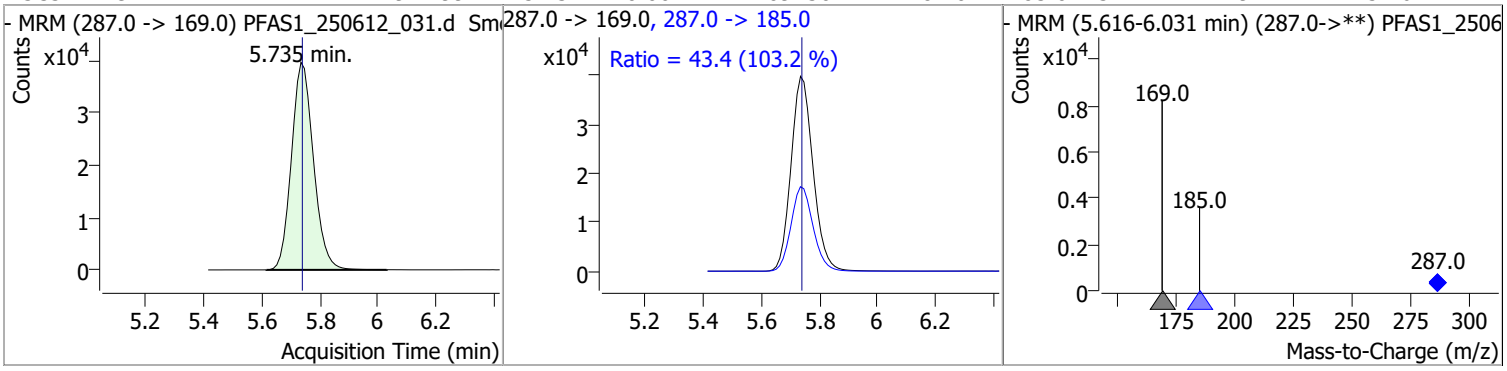
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4454	5.51	0.01	41358	302.0 -> 99.0	39.9	29.4	54.5



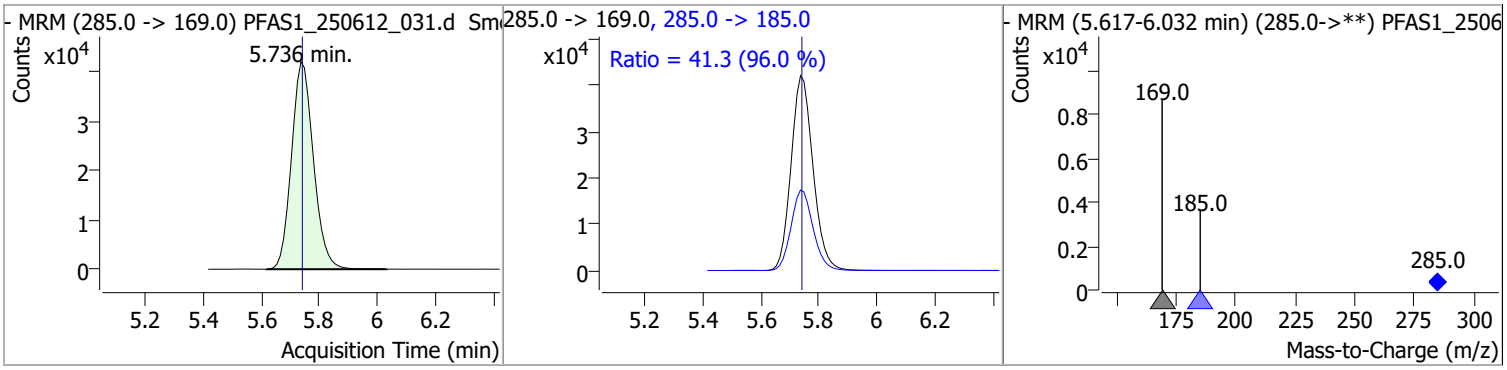
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	4.9807	5.51	0.01	90853	298.9 -> 99.0	39.5	28.3	52.5



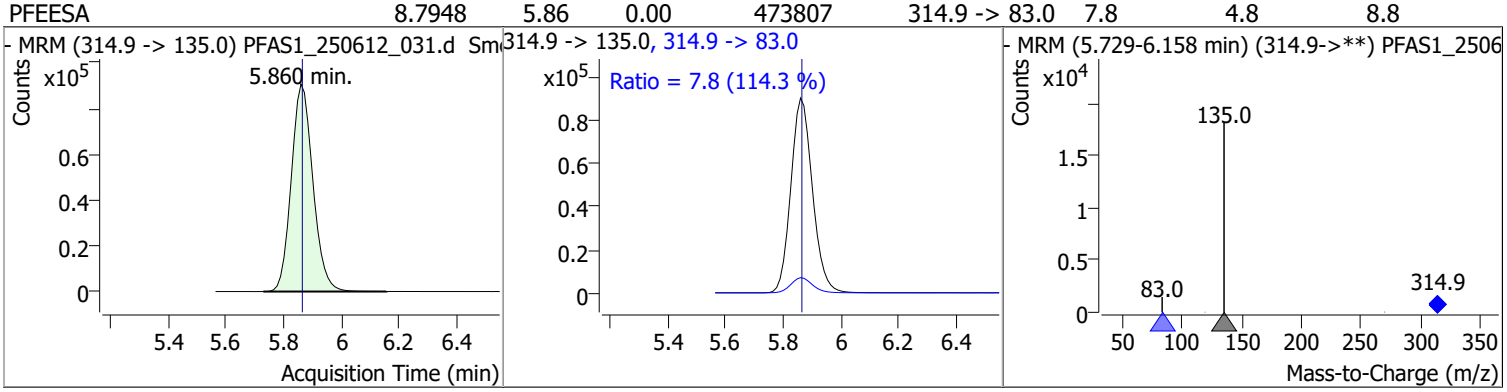
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.2499	5.73	0.00	209230	287.0 -> 185.0	43.4	29.4	54.6



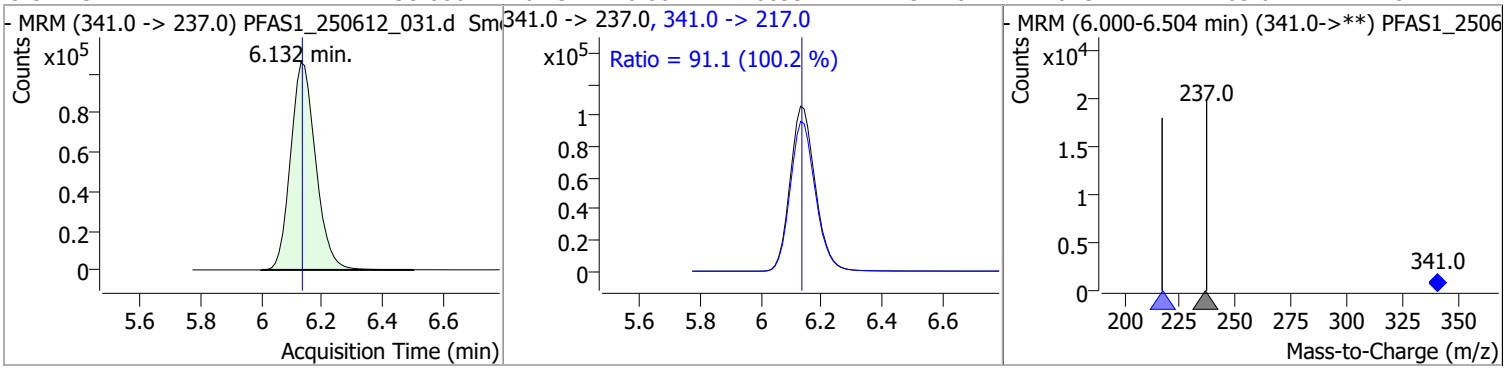
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	10.4707	5.74	0.00	220628	285.0 -> 185.0	41.3	30.1	56.0



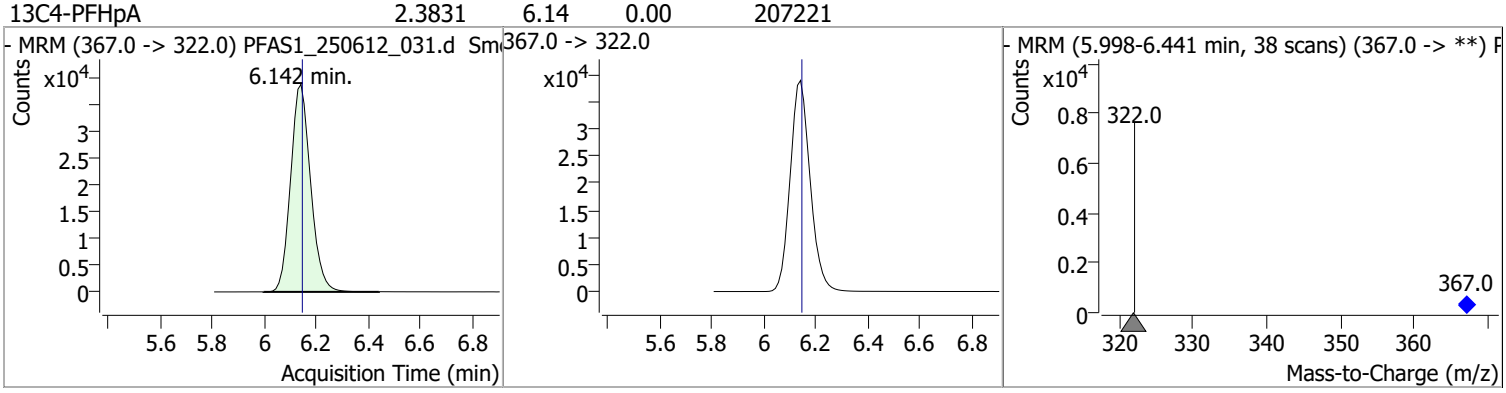
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	8.7948	5.86	0.00	473807	314.9 -> 83.0	7.8	4.8	8.8



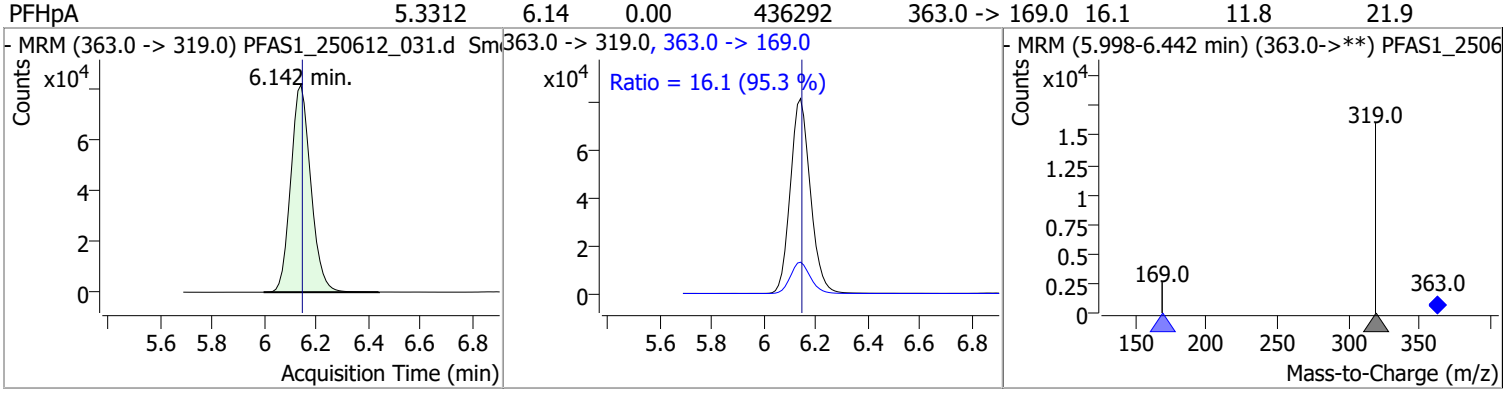
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	95.8862	6.13	0.00	609977	341.0 -> 217.0	91.1	63.6	118.1



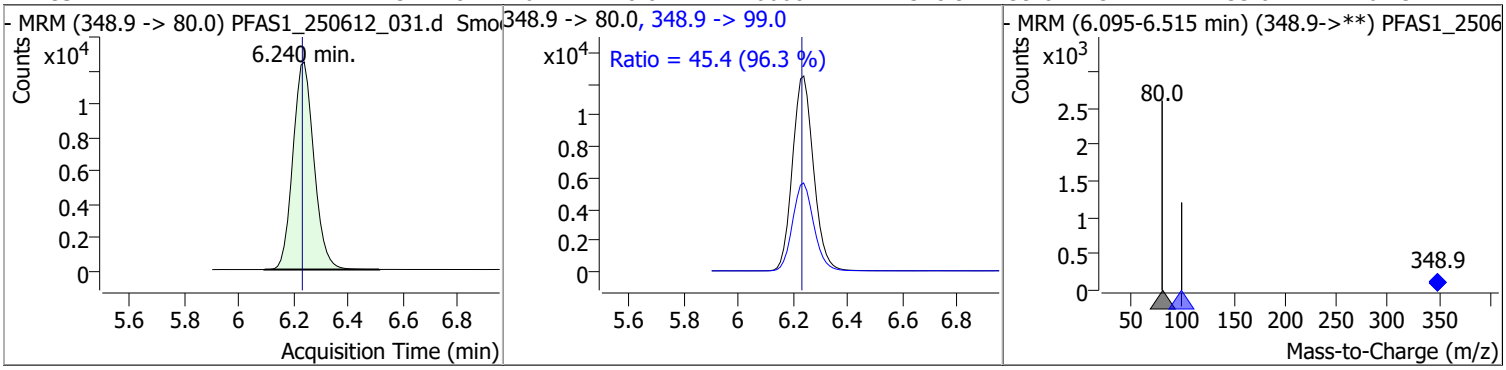
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3831	6.14	0.00	207221				



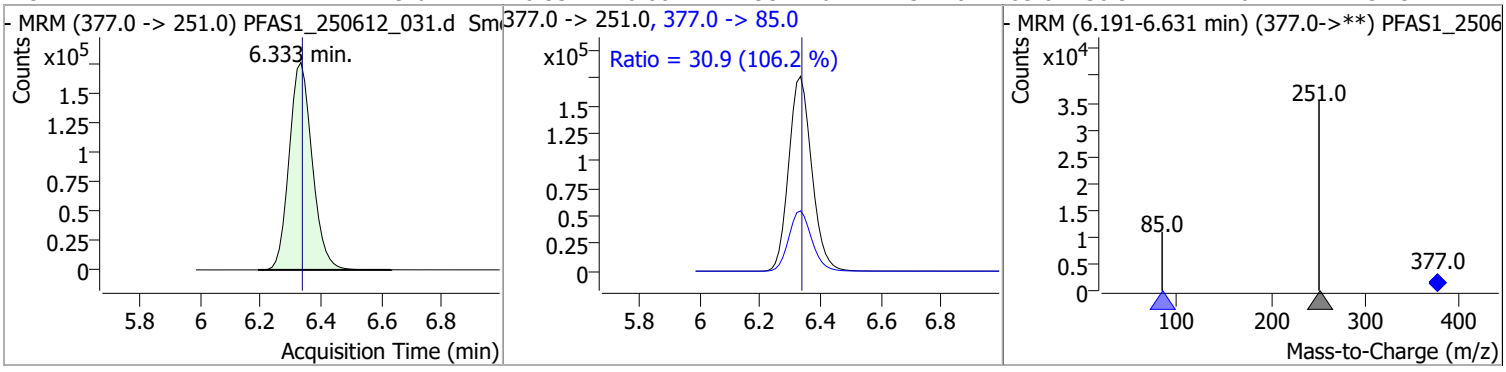
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	5.3312	6.14	0.00	436292	363.0 -> 169.0	16.1	11.8	21.9



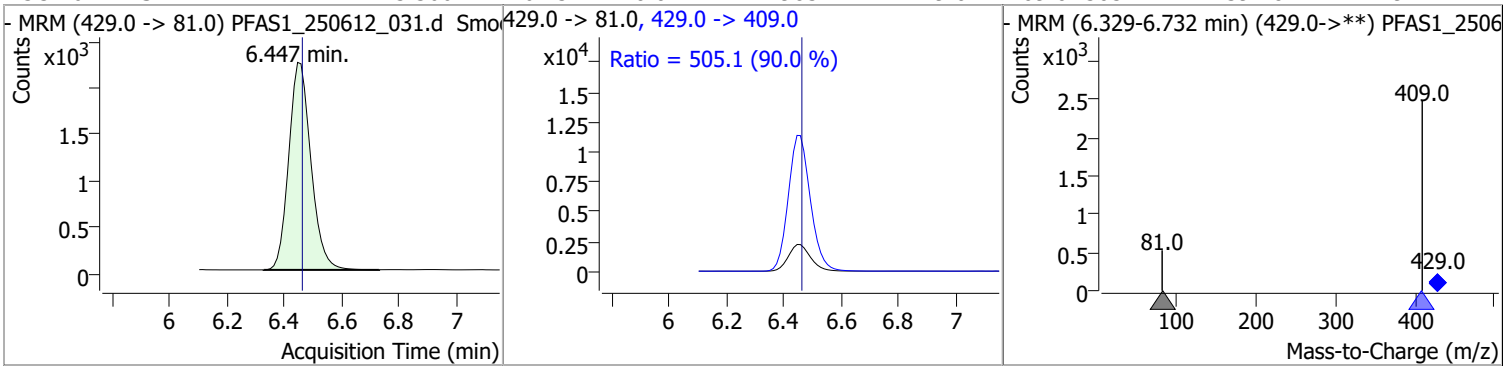
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	5.2418	6.24	0.01	66601	348.9 -> 99.0	45.4	33.0	61.3



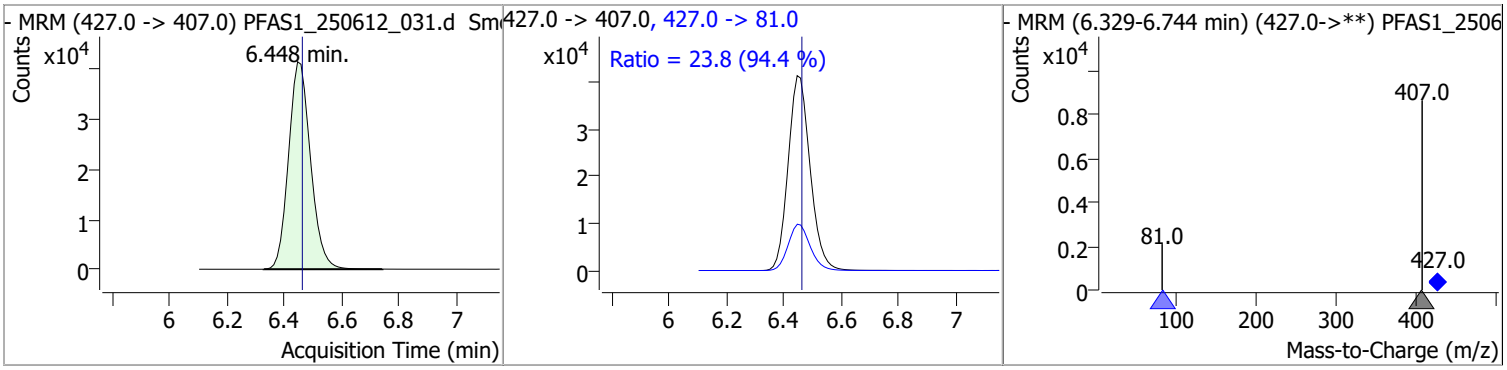
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.6277	6.33	0.00	934716	377.0 -> 85.0	30.9	20.4	37.9



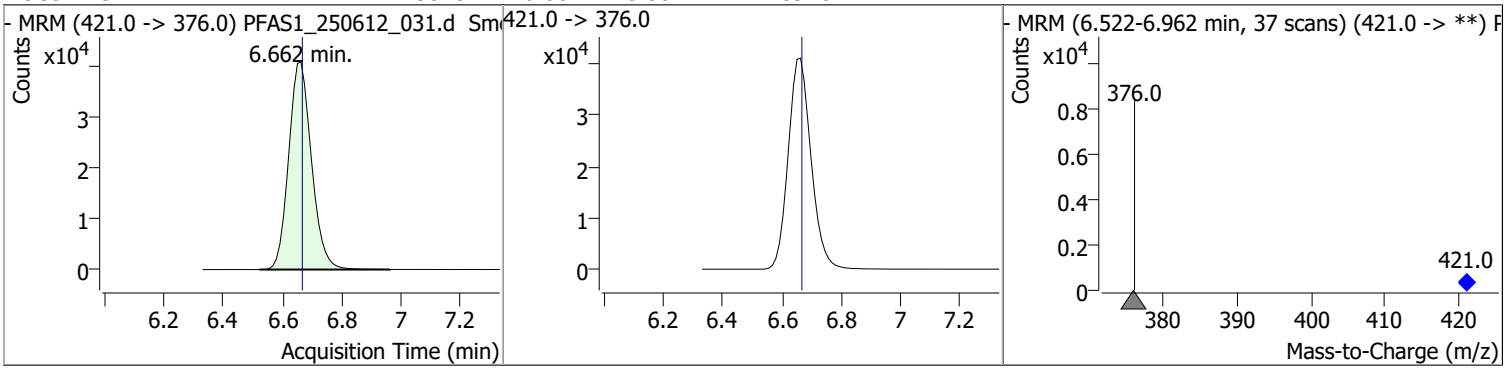
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3661	6.45	-0.01	11983	429.0 -> 409.0	505.1	392.8	729.4



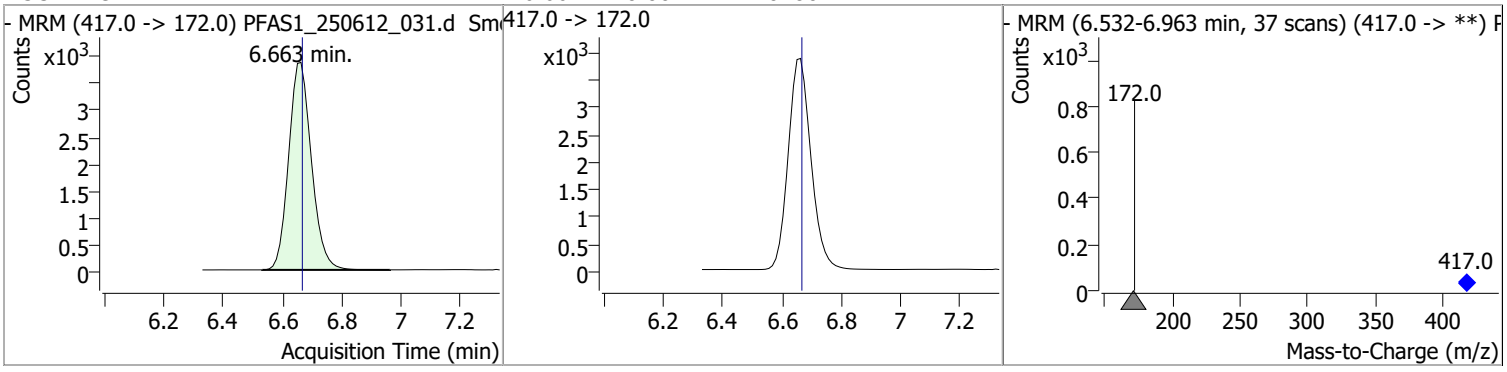
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	21.7534	6.45	-0.01	220404	427.0 -> 81.0	23.8	17.7	32.8



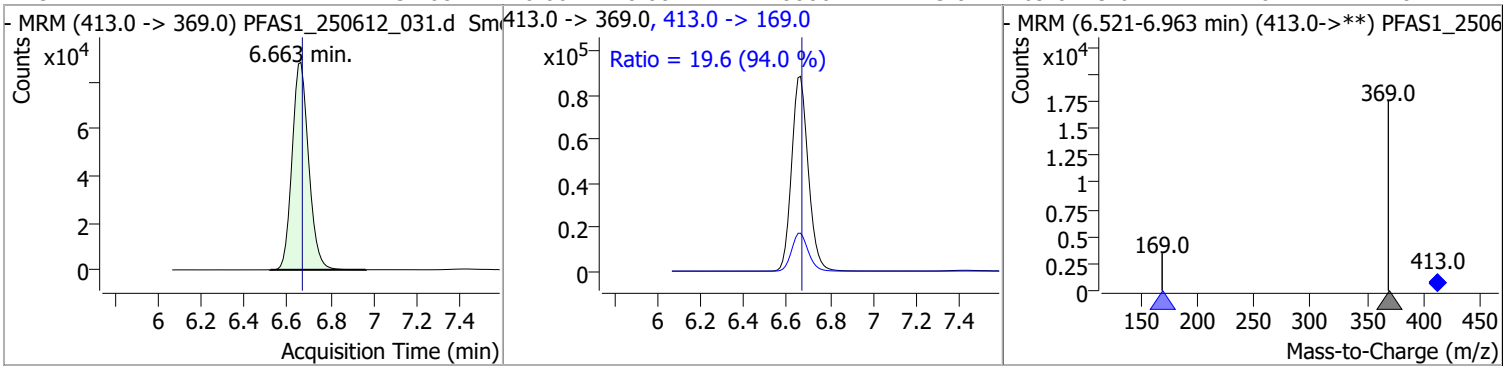
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3870	6.66	0.00	218918				



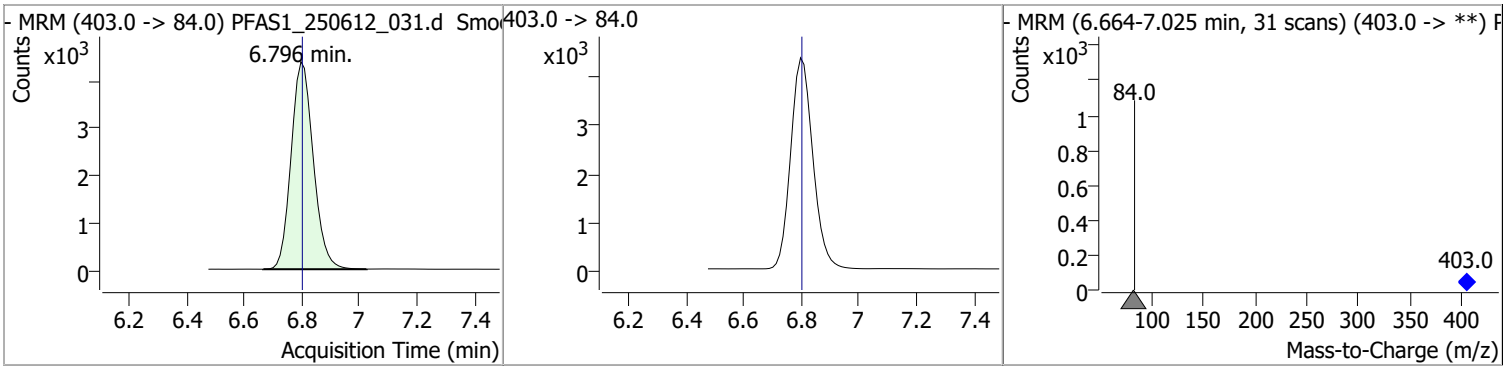
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	20480				



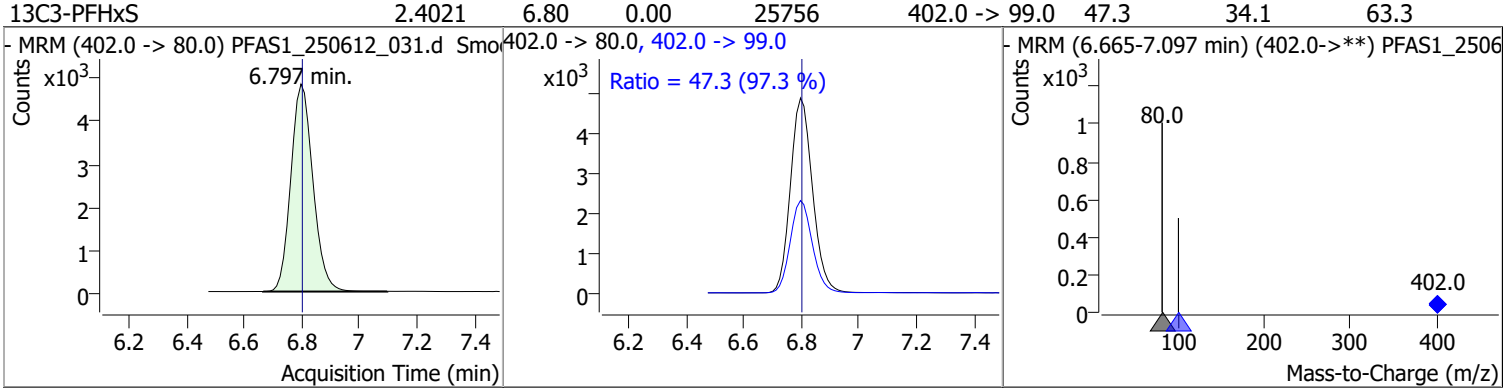
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	5.4681	6.66	0.00	470006	413.0 -> 169.0	19.6	14.6	27.0



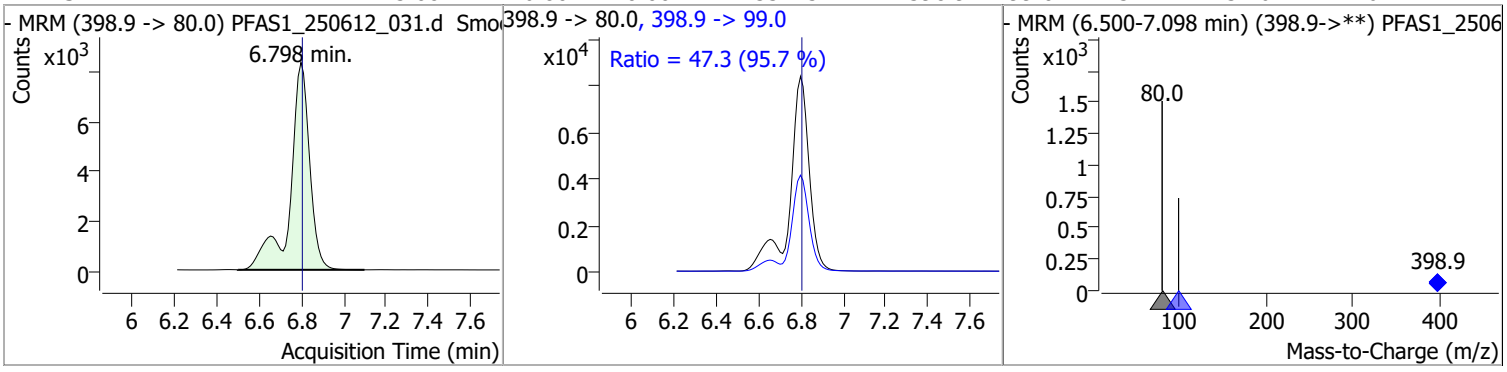
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	23357				



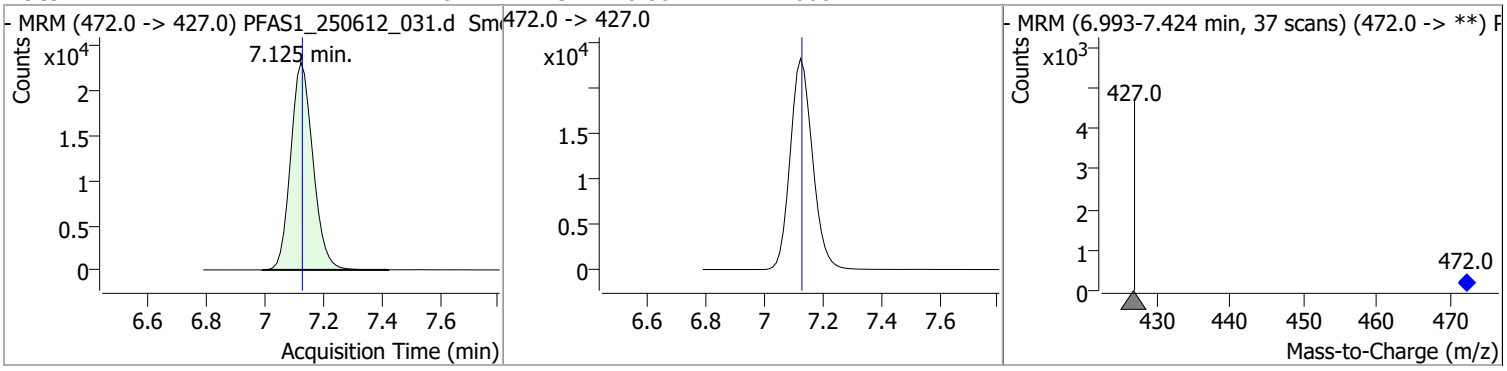
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4021	6.80	0.00	25756	402.0 -> 99.0	47.3	34.1	63.3



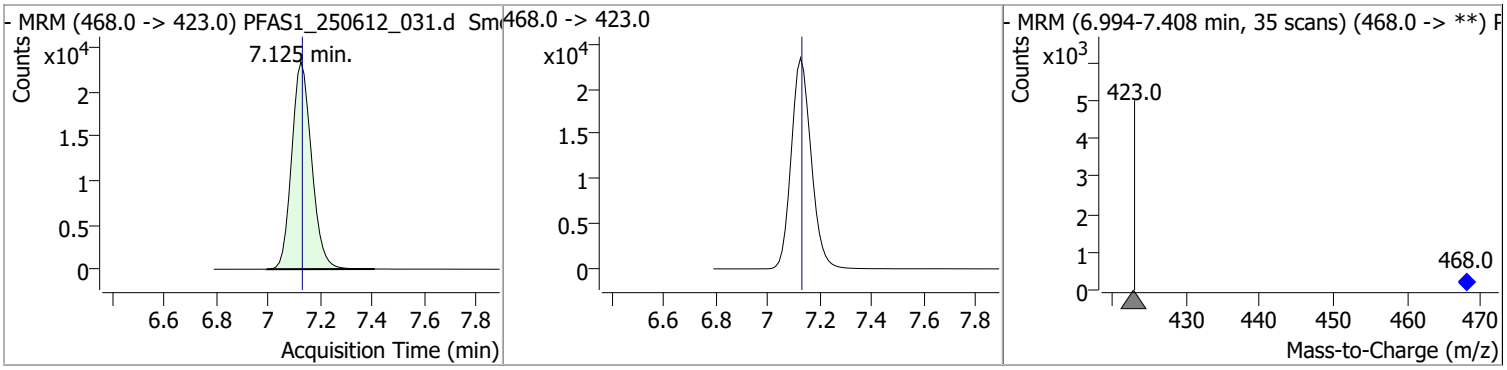
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	5.0844	6.80	0.00	53715	398.9 -> 99.0	47.3	34.6	64.2



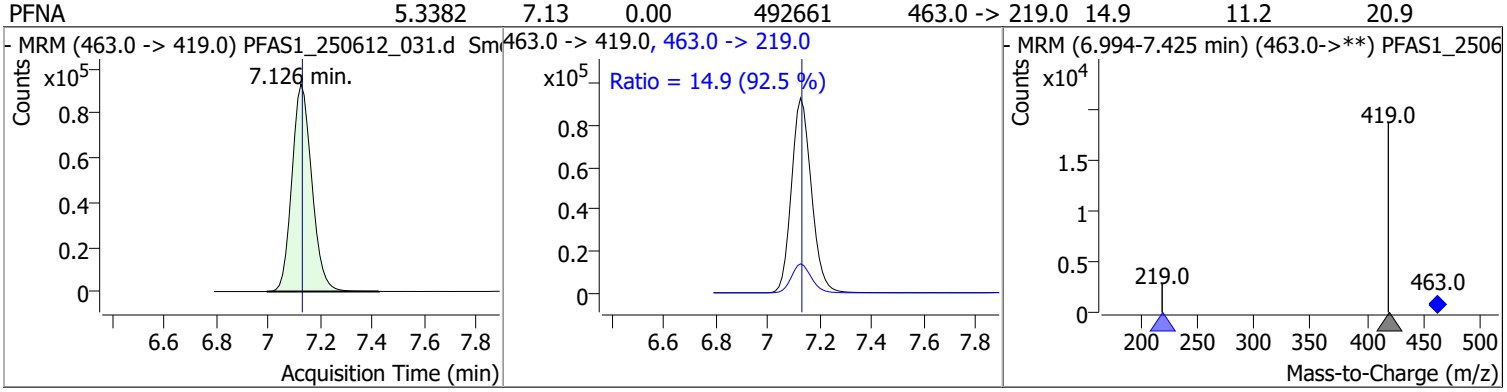
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2101	7.13	0.00	122668				



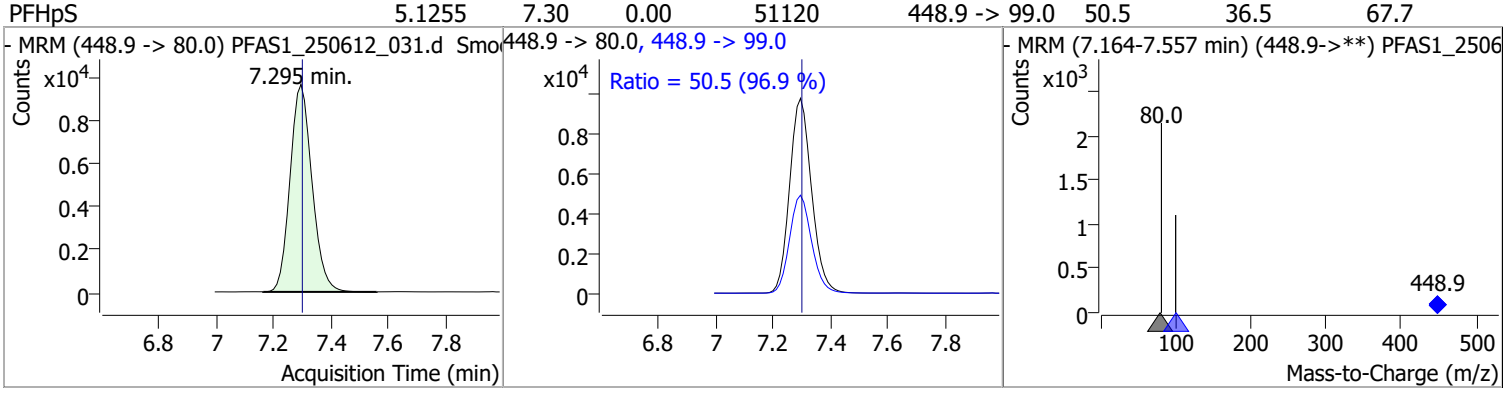
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	123622				



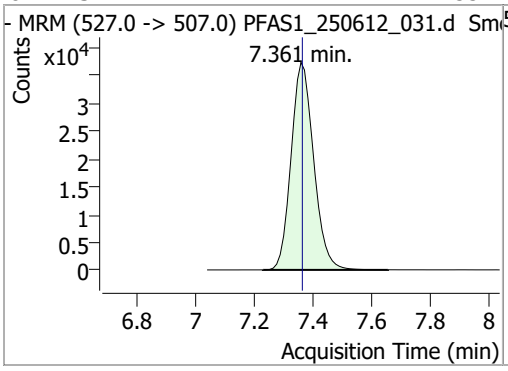
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	5.3382	7.13	0.00	492661	463.0 -> 219.0	14.9	11.2	20.9

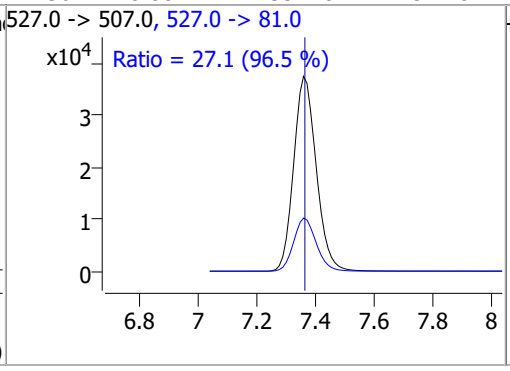


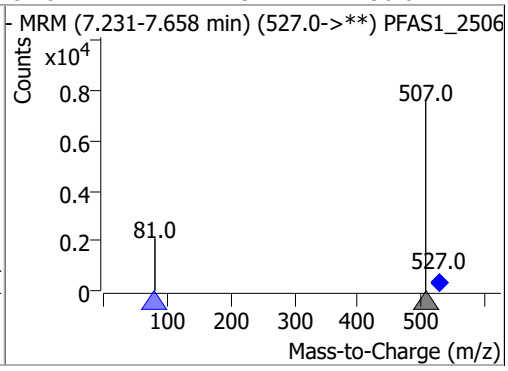
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	5.1255	7.30	0.00	51120	448.9 -> 99.0	50.5	36.5	67.7



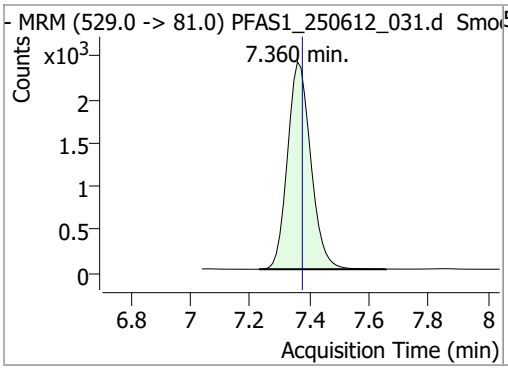
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	21.7455	7.36	0.00	199740	527.0 -> 81.0	27.1	19.7	36.6

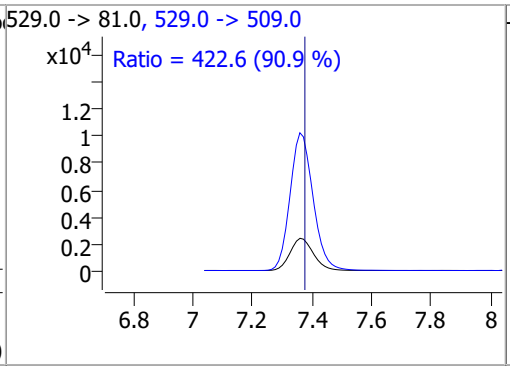


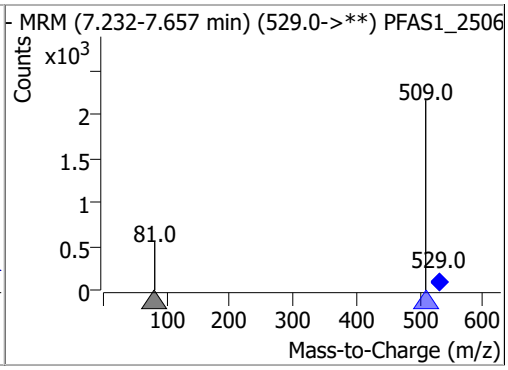




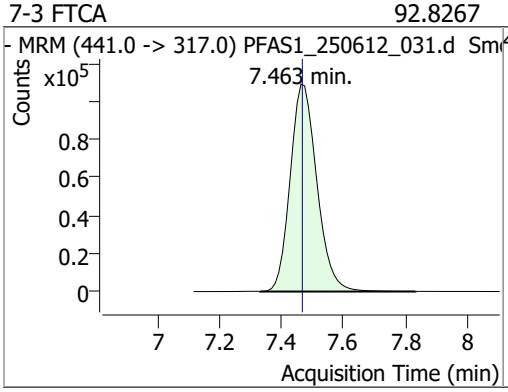
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2896	7.36	-0.01	12933	529.0 -> 509.0	422.6	325.6	604.6

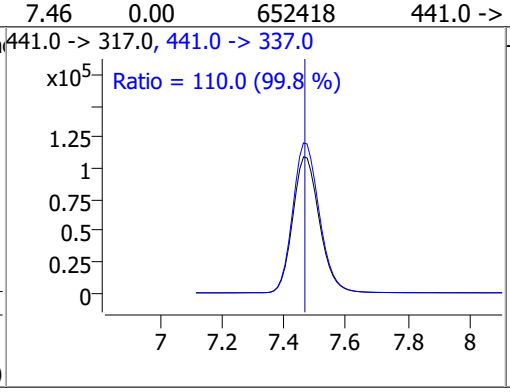


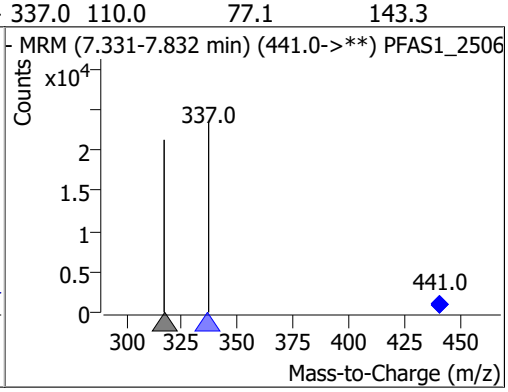




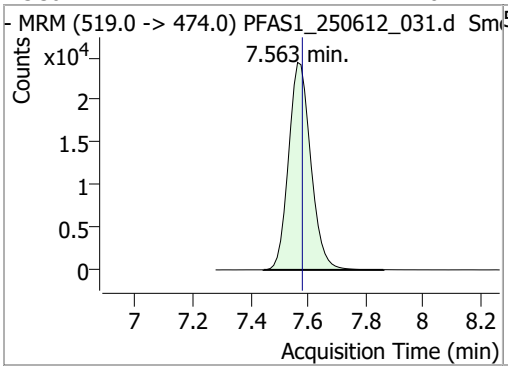
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	92.8267	7.46	0.00	652418	441.0 -> 337.0	110.0	77.1	143.3

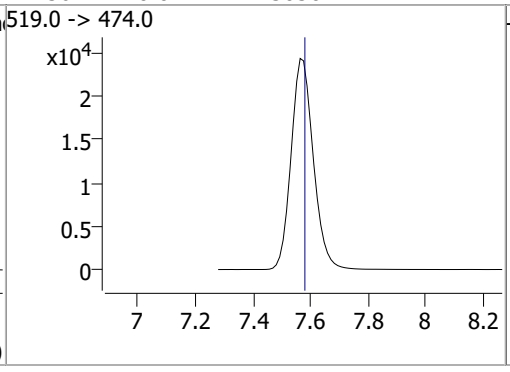


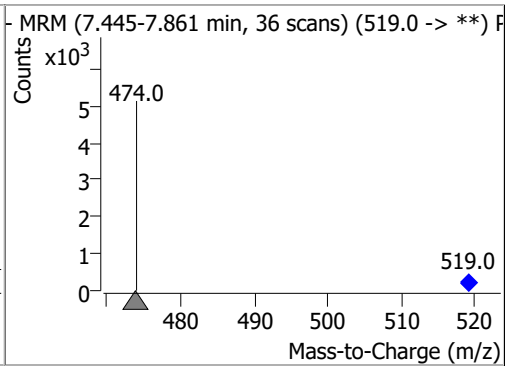




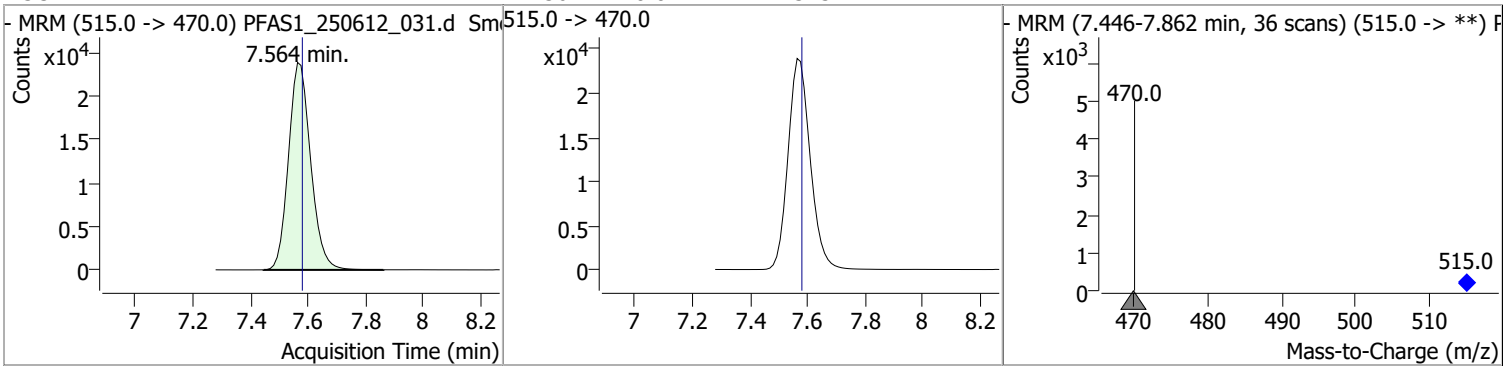
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2047	7.56	-0.01	130307				



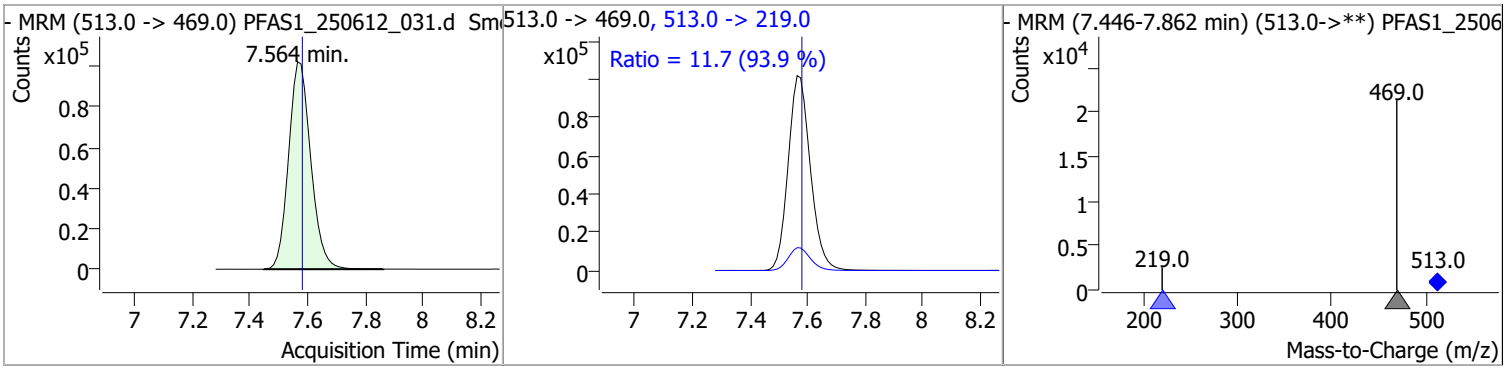




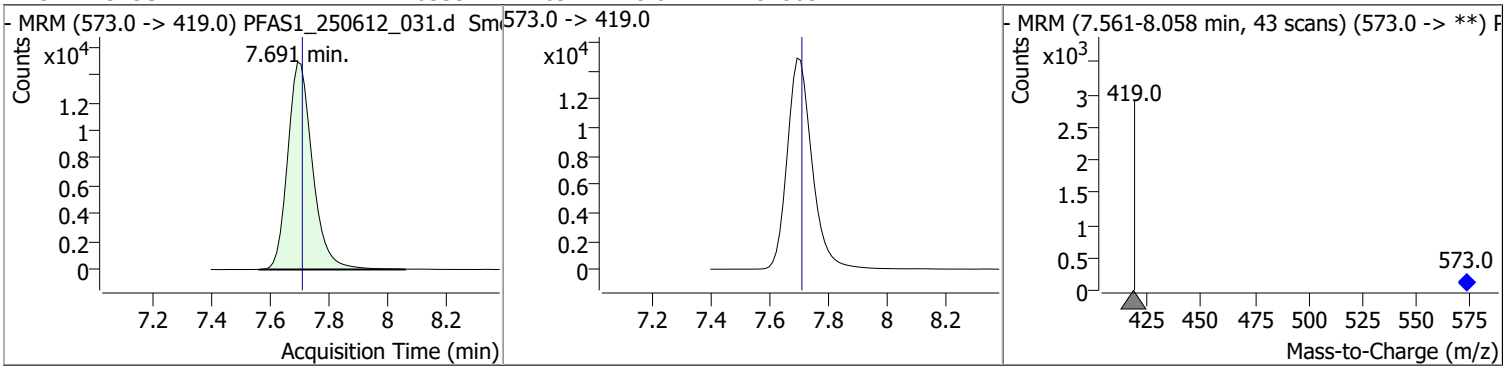
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	127375				



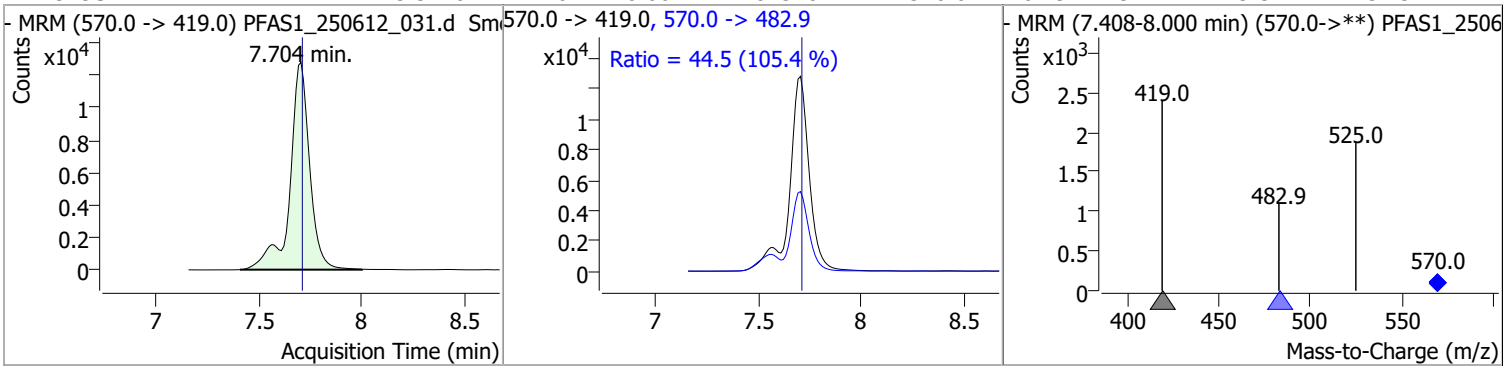
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	5.4766	7.56	-0.01	545589	513.0 -> 219.0	11.7	8.7	16.2



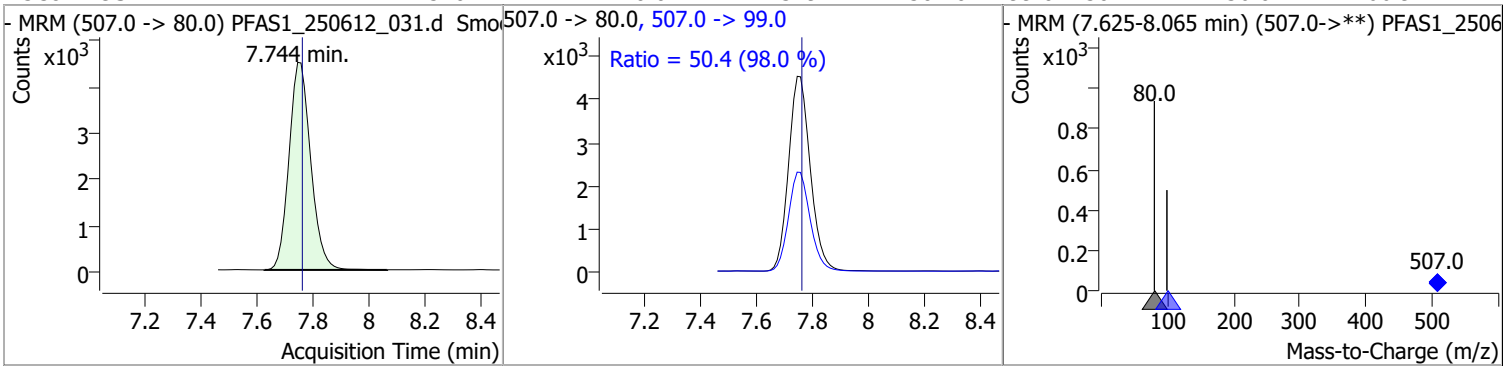
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6533	7.69	-0.01	87063				



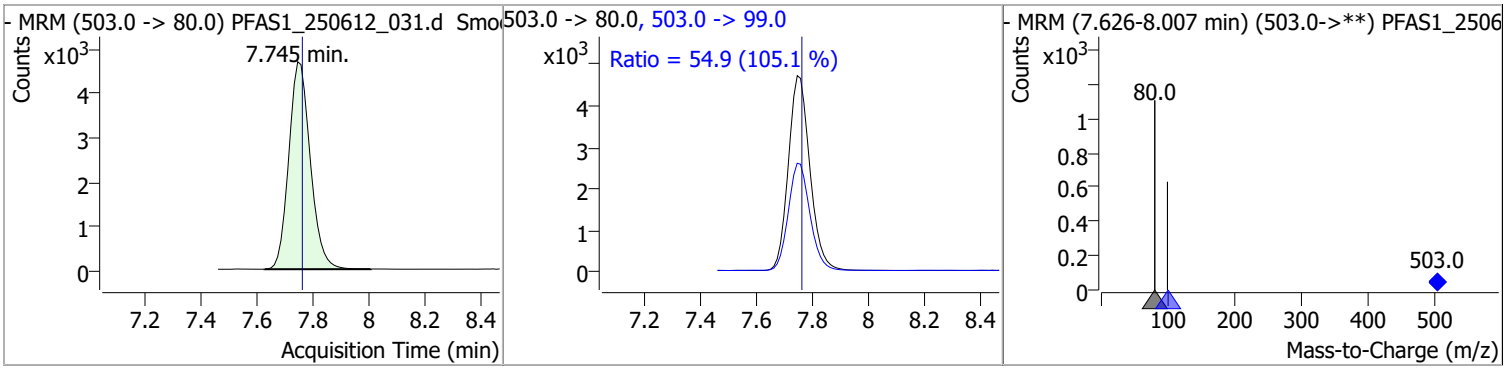
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	5.5140	7.70	0.00	84548	570.0 -> 482.9	44.5	29.5	54.9



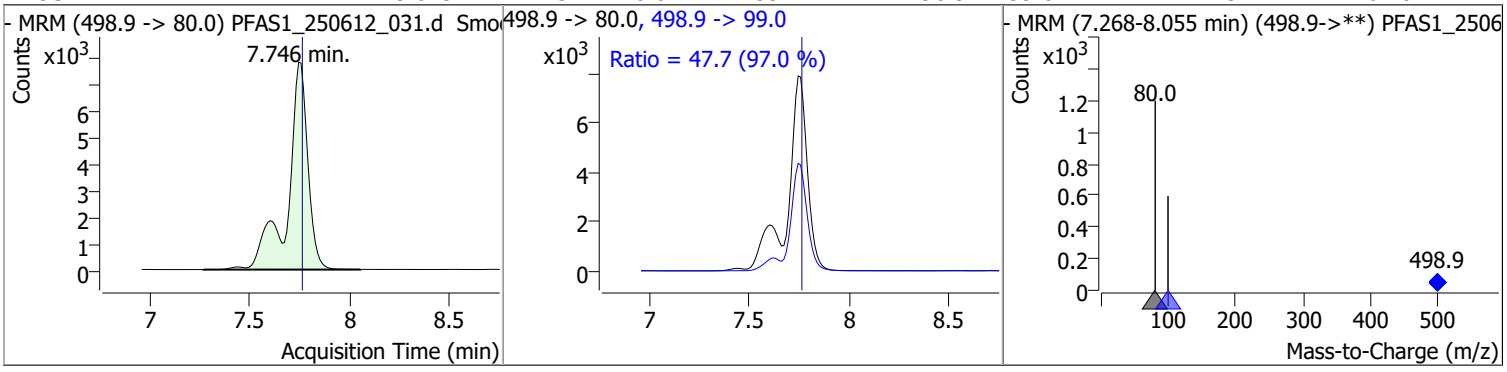
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4520	7.74	-0.01	24349	507.0 -> 99.0	50.4	36.0	66.9



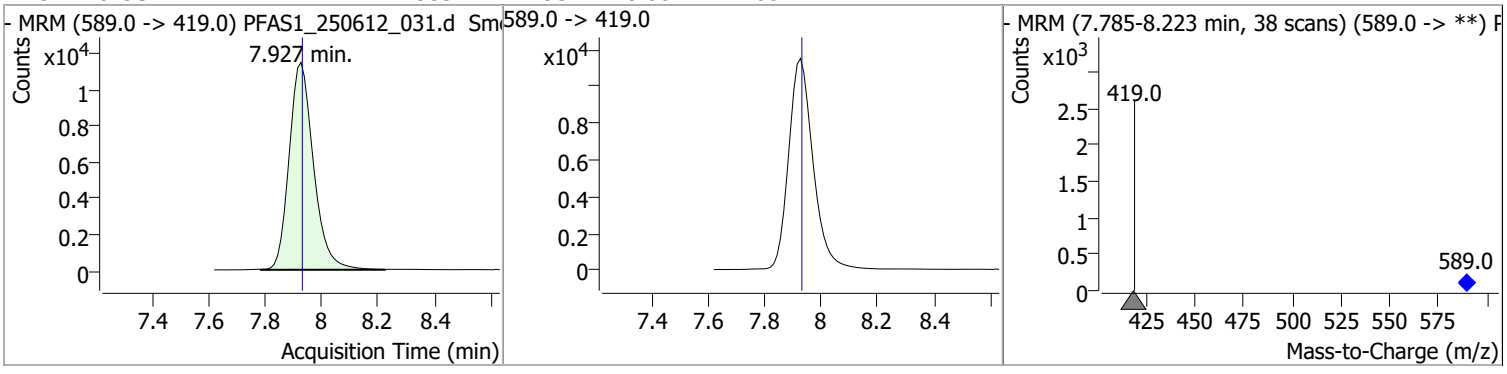
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	25058	503.0 -> 99.0	54.9	36.6	67.9



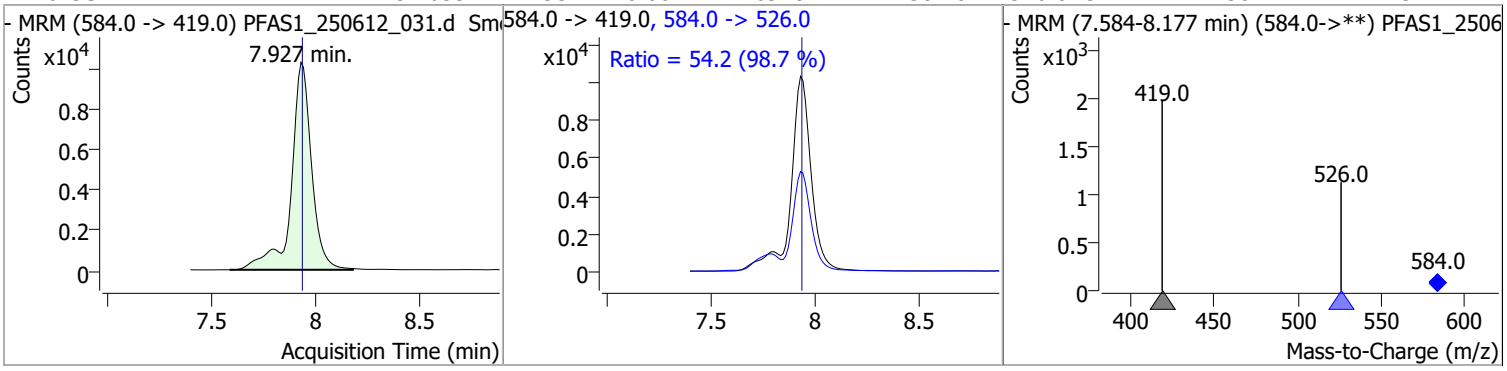
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	5.0752	7.75	-0.01	55441	498.9 -> 99.0	47.7	34.4	64.0



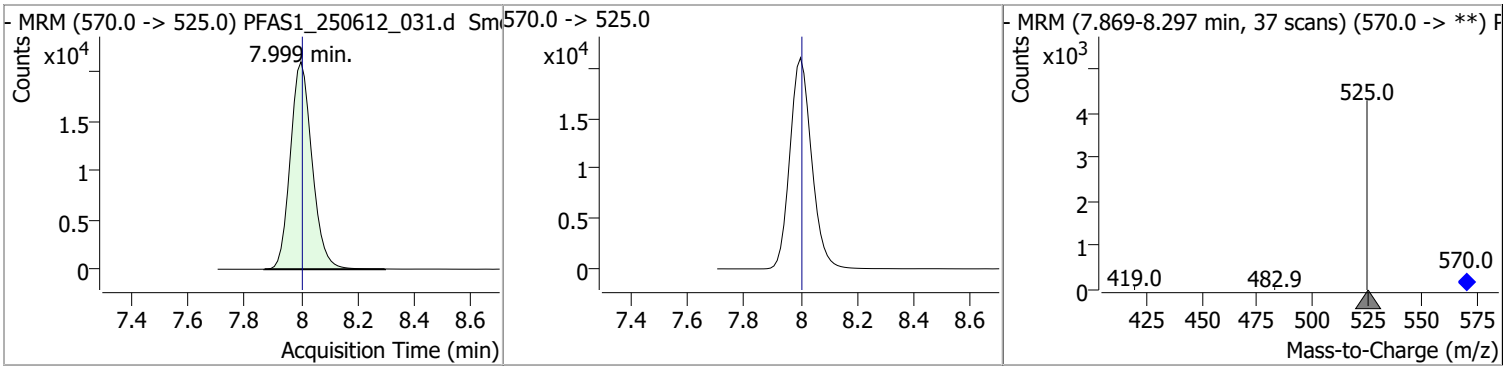
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.5837	7.93	0.00	68724				



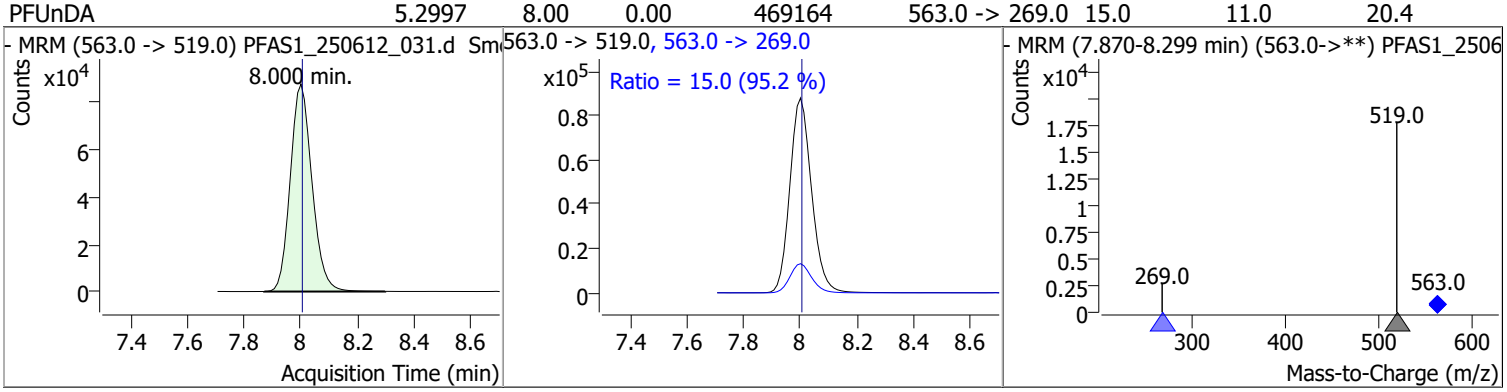
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	5.2655	7.93	0.00	69784	584.0 -> 526.0	54.2	38.4	71.3



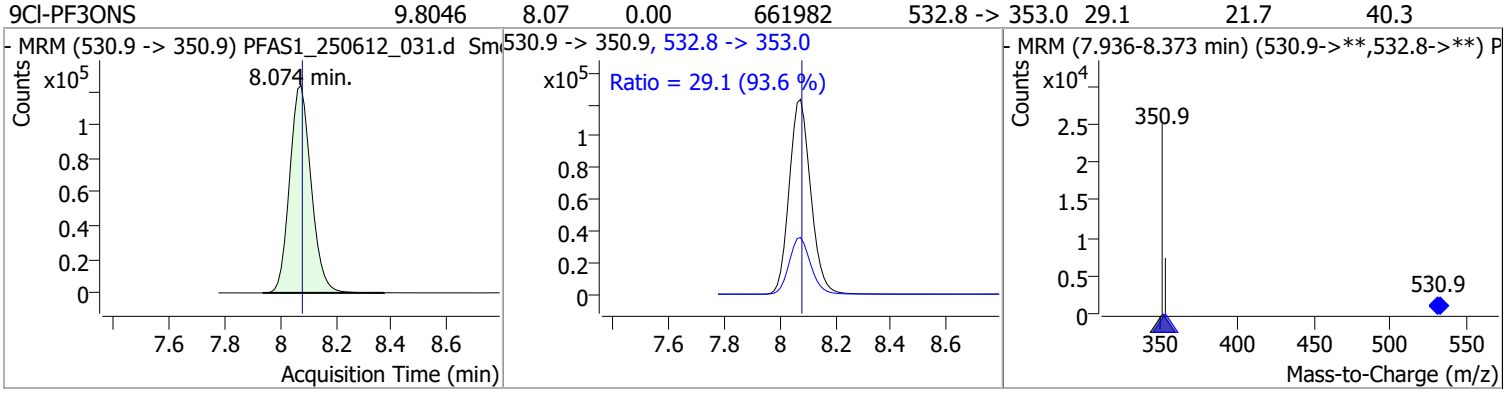
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.1918	8.00	0.00	111931				



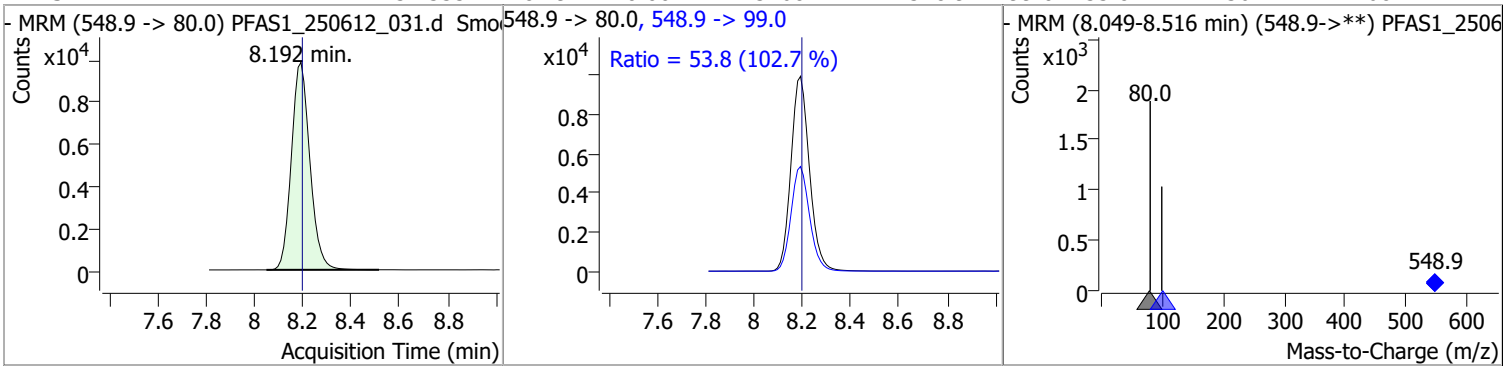
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	5.2997	8.00	0.00	469164	563.0 -> 269.0	15.0	11.0	20.4



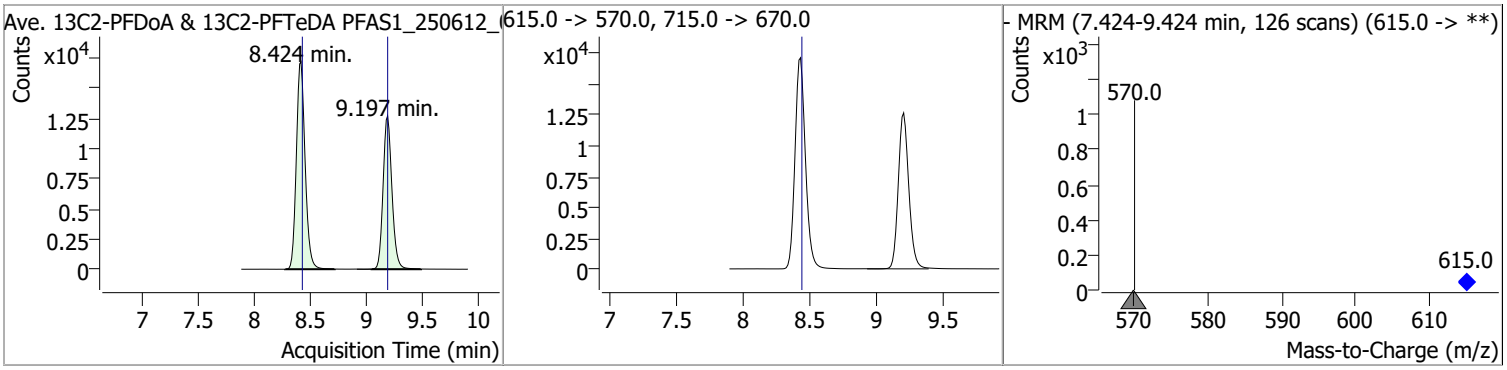
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	9.8046	8.07	0.00	661982	532.8 -> 353.0	29.1	21.7	40.3



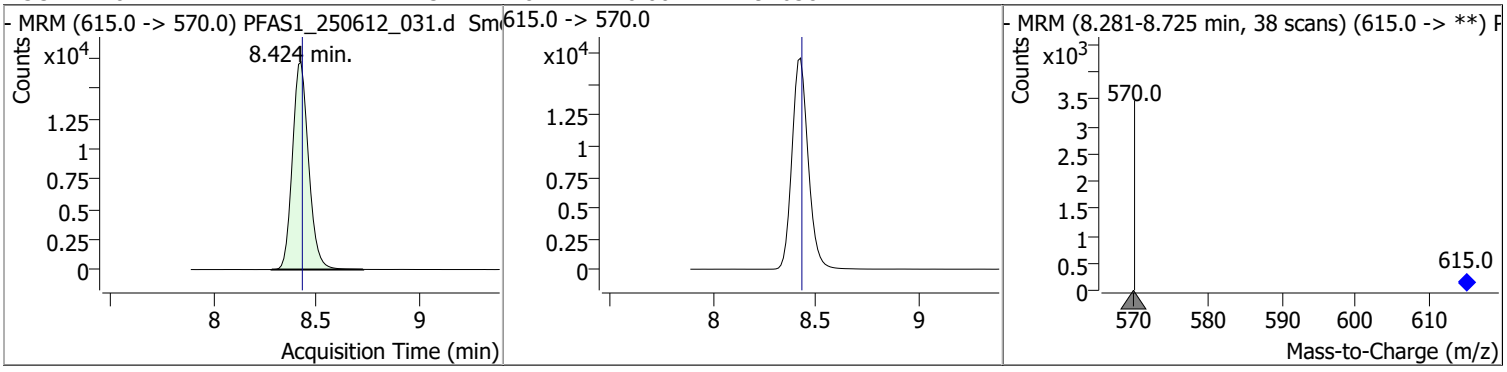
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	5.1335	8.19	0.00	52684	548.9 -> 99.0	53.8	36.7	68.1



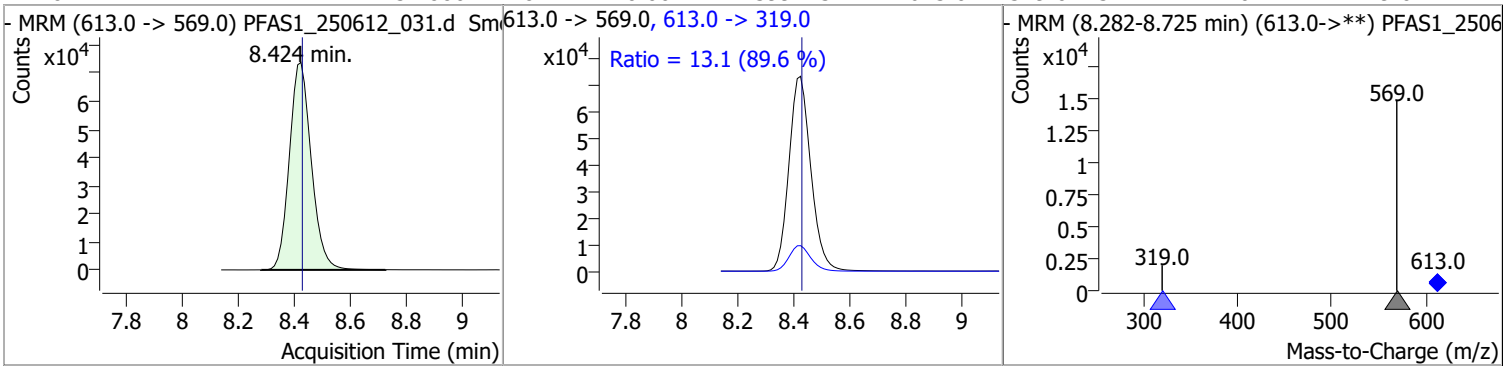
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0032	8.81	0.39	80945				



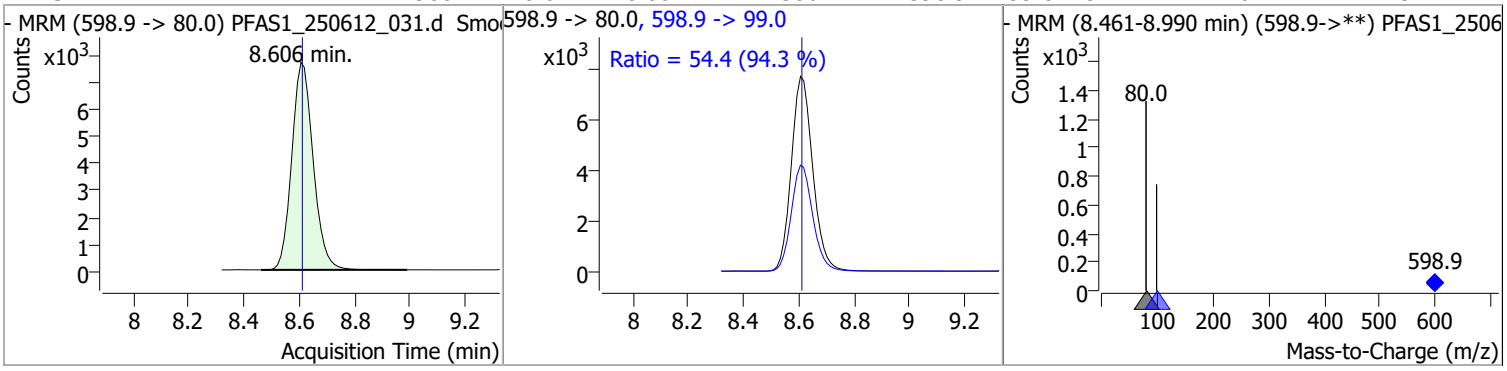
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1341	8.42	0.00	92658				



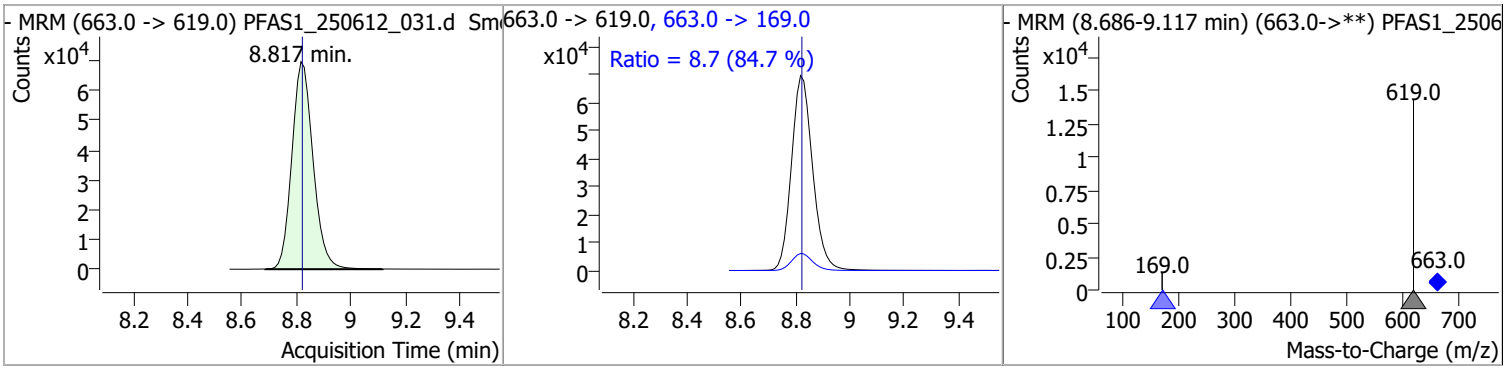
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	5.4880	8.42	0.00	399773	613.0 -> 319.0	13.1	10.2	19.0



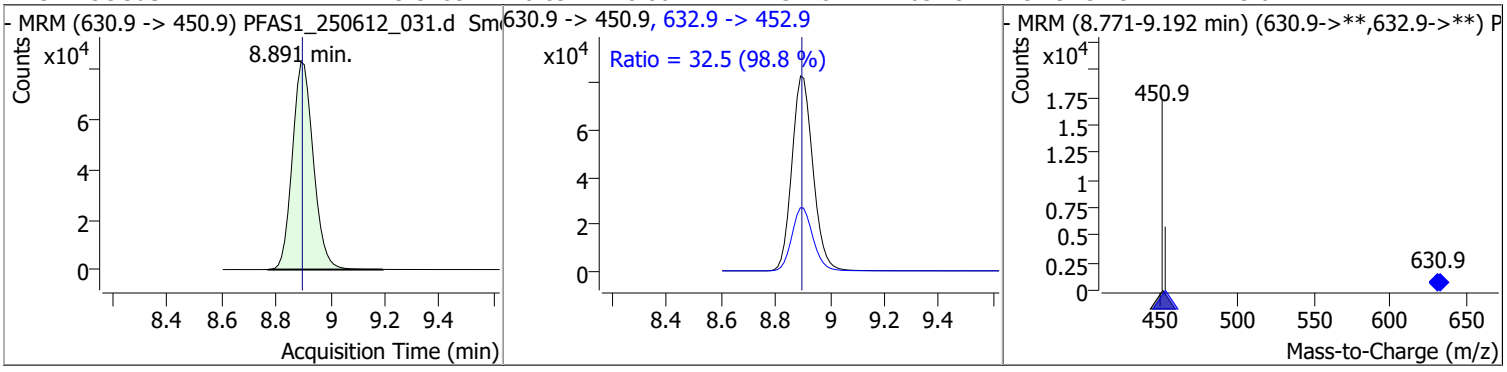
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	4.9084	8.61	0.00	41386	598.9 -> 99.0	54.4	40.4	74.9



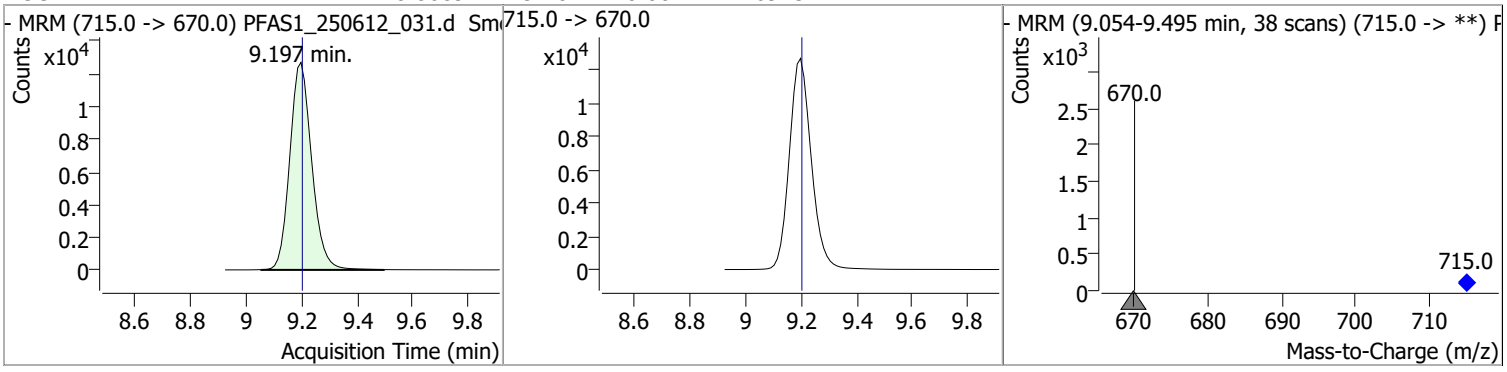
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	5.8687	8.82	0.00	376662	663.0 -> 169.0	8.7	7.2	13.4



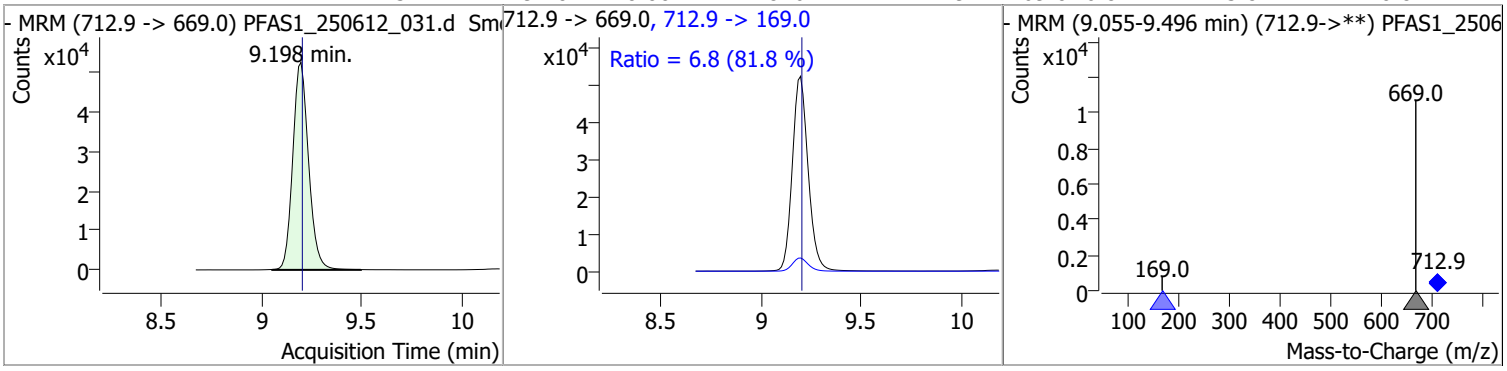
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	9.5285	8.89	0.00	445448	632.9 -> 452.9	32.5	23.0	42.7



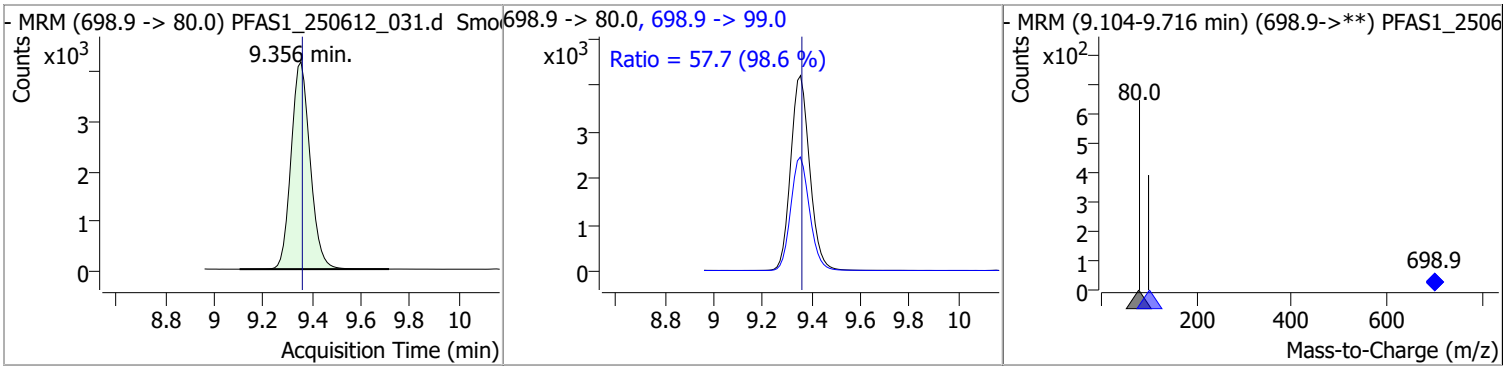
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8689	9.20	0.00	69231				



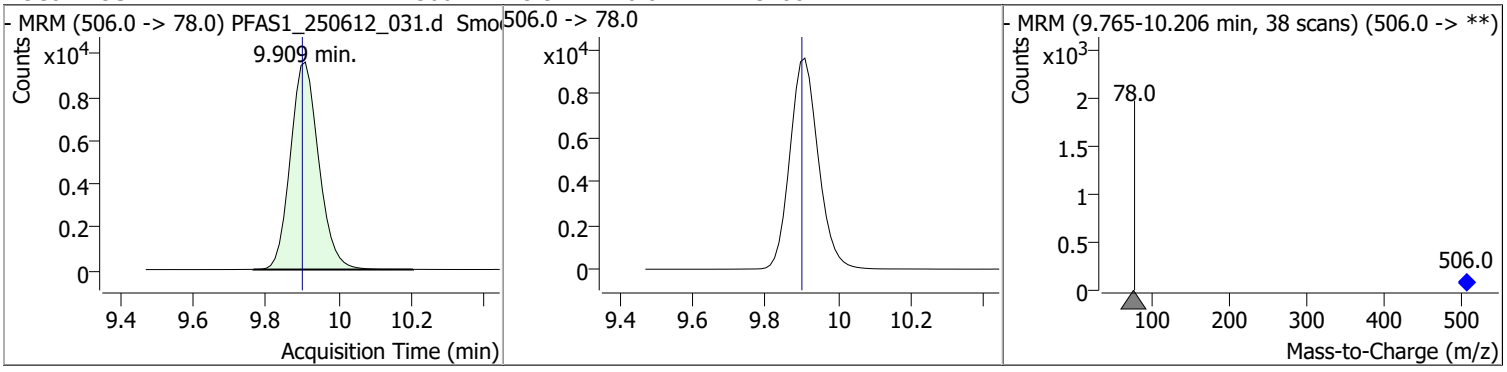
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	5.4212	9.20	0.00	287624	712.9 -> 169.0	6.8	5.8	10.8



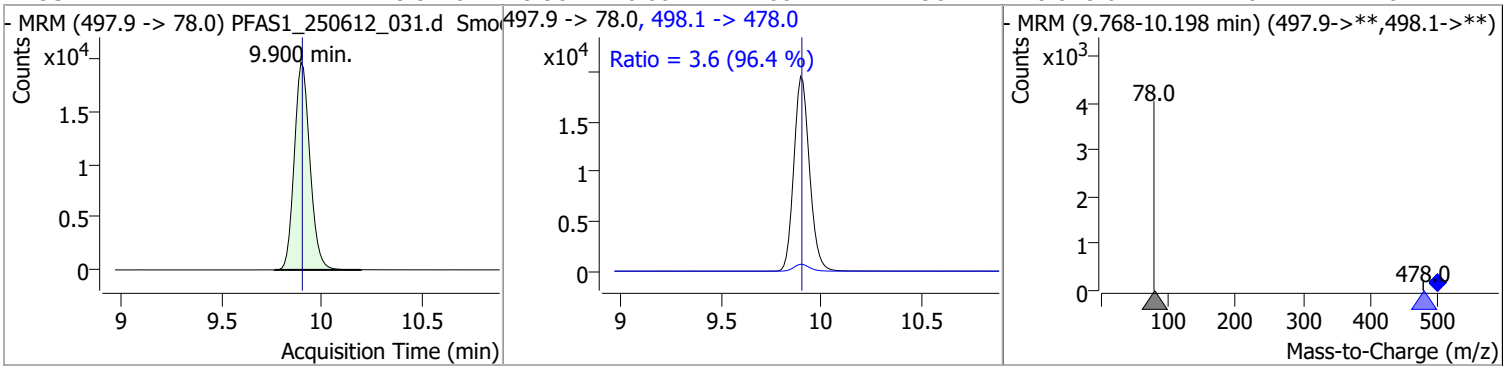
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	4.0272	9.36	0.00	22312	698.9 -> 99.0	57.7	41.0	76.1



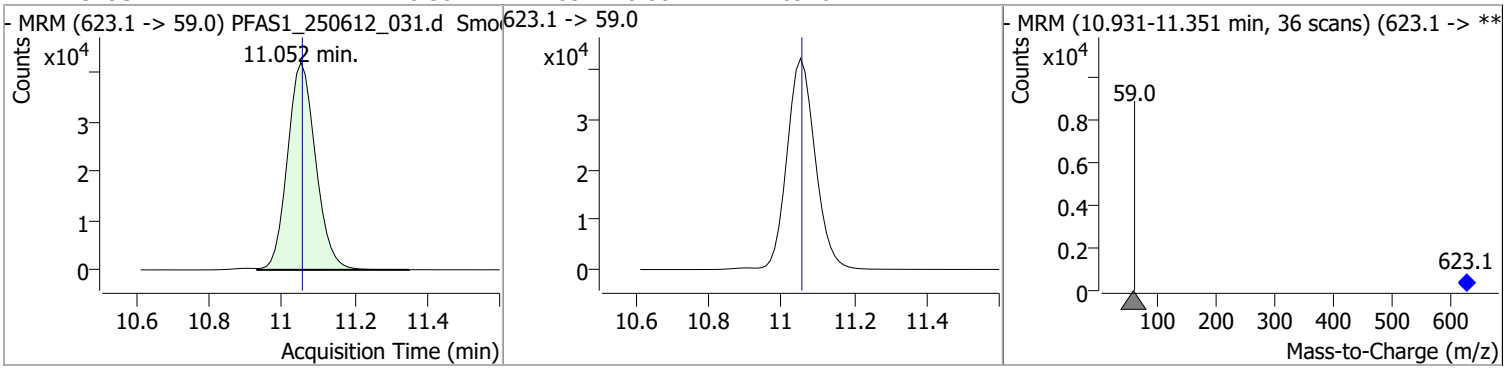
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3667	9.91	0.01	52081				



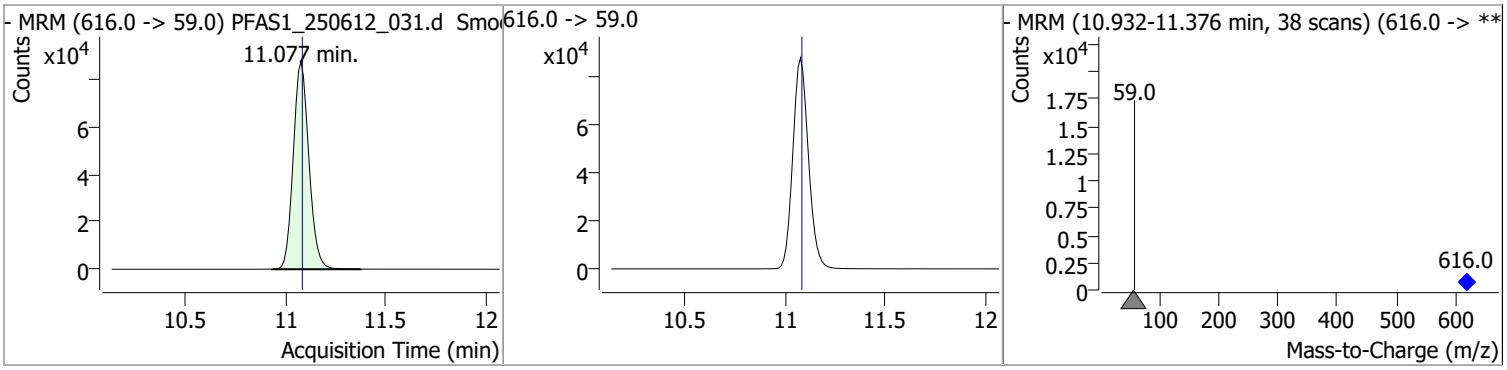
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	5.5110	9.90	0.00	106221	498.1 -> 478.0	3.6	2.6	4.8



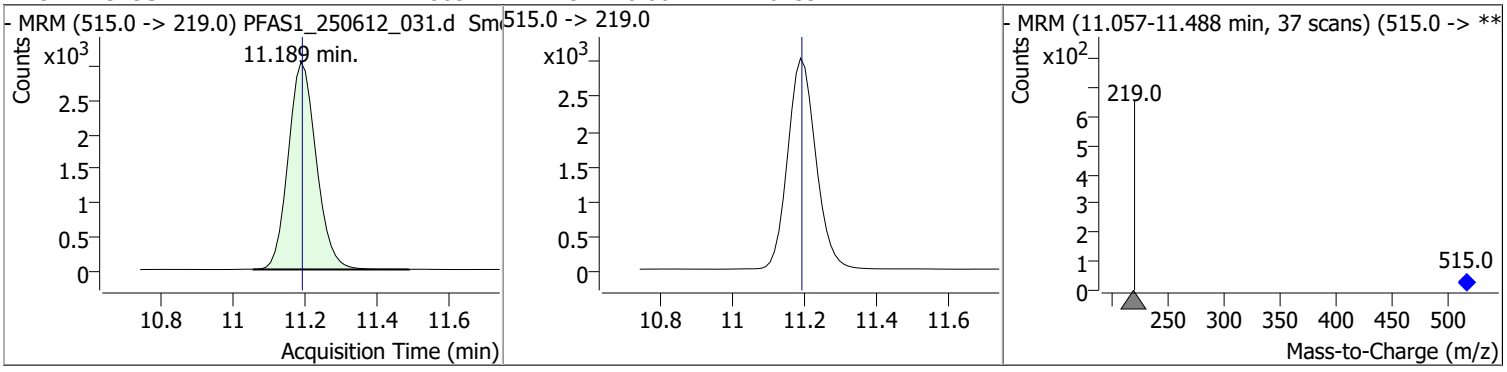
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	20.5812	11.05	0.00	226916				



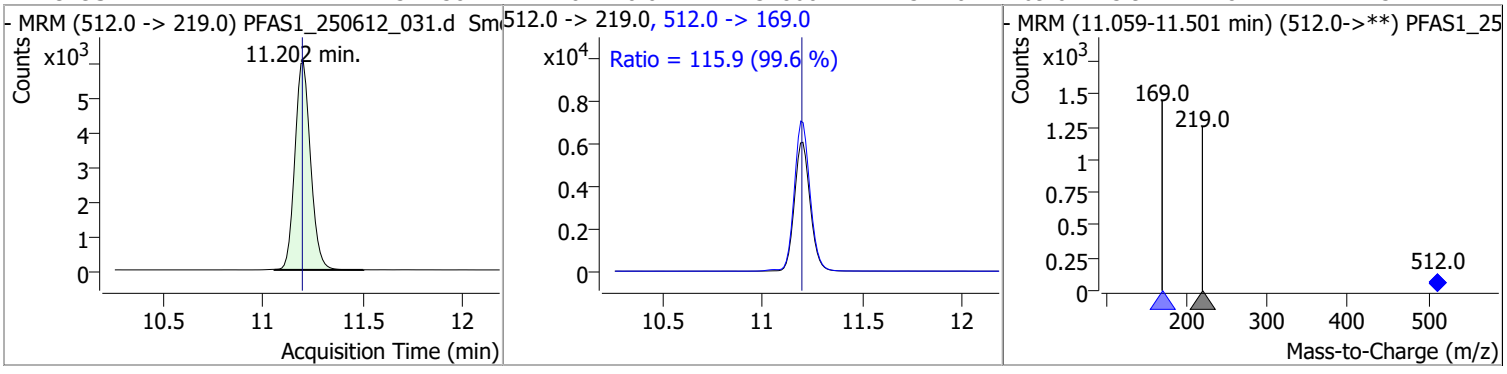
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	54.1781	11.08	0.00	471054				



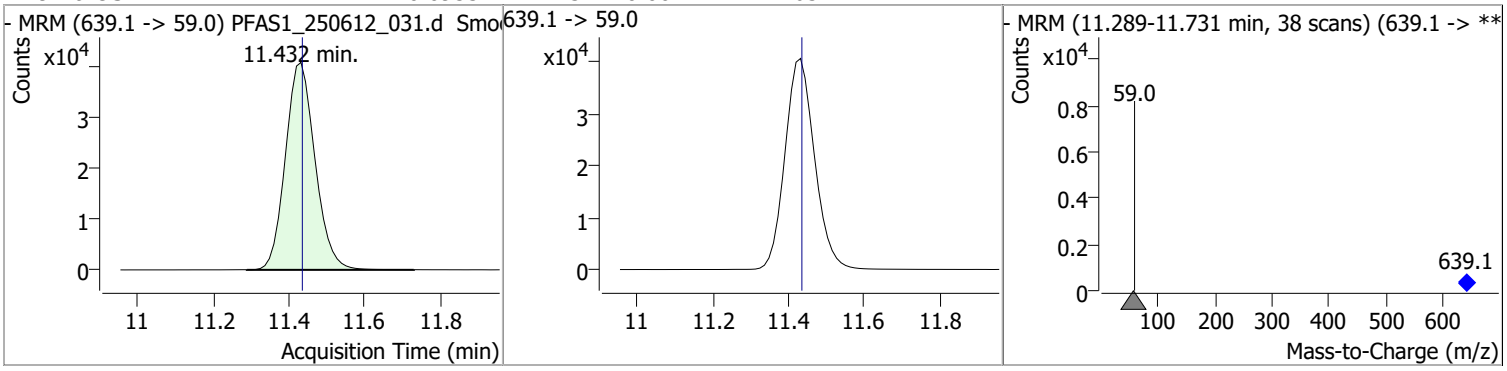
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1865	11.19	0.00	16159				



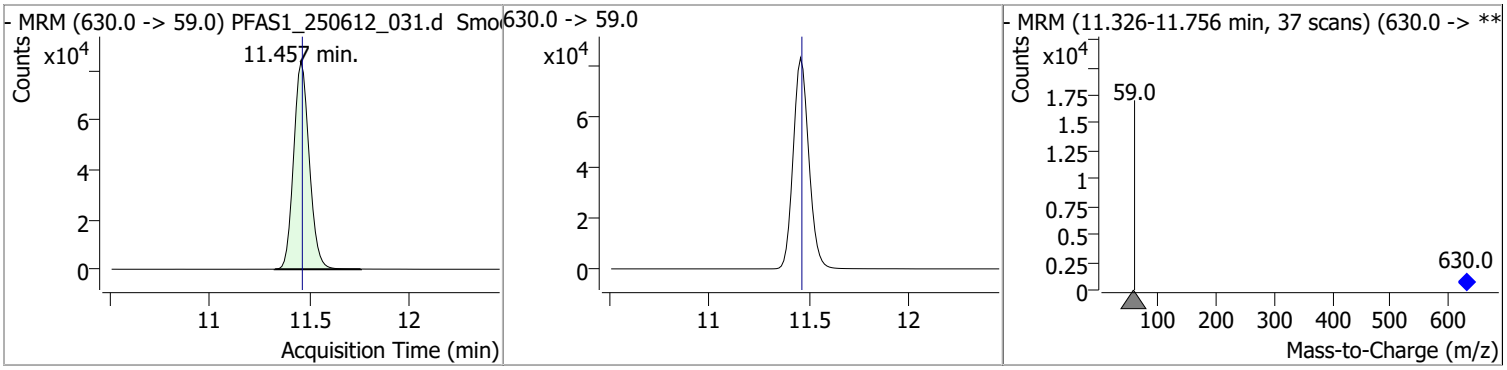
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	5.1758	11.20	0.01	32860	512.0 -> 169.0	115.9	81.4	151.2



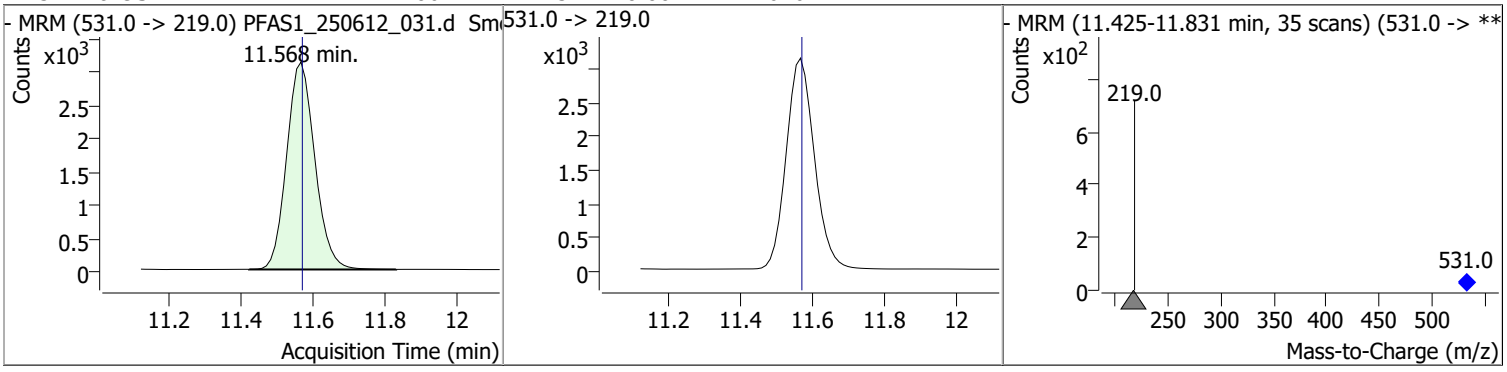
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0953	11.43	0.00	221637				



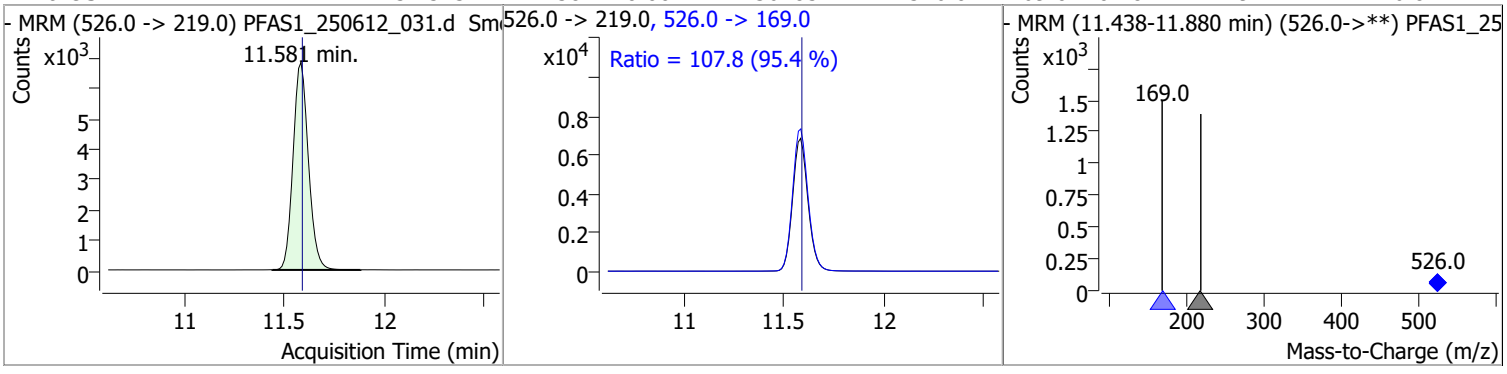
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	54.7011	11.46	0.00	451455				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.0642	11.57	0.00	16762				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	5.1513	11.58	0.00	36485	526.0 -> 169.0	107.8	79.1	146.8



EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
Blank (B25F0614-BLK1) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/12/25 20:26		
13C4-PFBA	100	43	20 - 150	3.10675		0.0048	
13C5-PFPeA	50.0	93	20 - 150	4.606283		0.0120	
13C5-PFHxA	25.0	97	20 - 150	5.489583		0.0083	
13C4-PFHpA	25.0	95	20 - 150	6.14165		0.0000	
13C8-PFOA	25.0	95	20 - 150	6.66205		0.0000	
13C9-PFNA	12.5	96	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.5	98	20 - 150	7.575233		0.0000	
13C7-PFUnA	12.5	99	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.5	93	20 - 150	8.4238		0.0000	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	81	20 - 150	8.810317		-0.0018	
13C2-PFTeDA	12.5	68	20 - 150	9.196834		-0.0036	
13C3-PFBS	25.0	99	20 - 150	5.505383		0.0083	
13C3-PFHxS	25.0	93	20 - 150	6.797233		-0.0071	
13C8-PFOS	25.0	96	20 - 150	7.756033		0.0000	
13C2-4:2FTS	50.0	125	20 - 150	5.250333		0.0071	
13C2-6:2FTS	50.0	113	20 - 150	6.458917		0.0000	
13C2-8:2FTS	50.0	105	20 - 150	7.37225		0.0000	
13C8-PFOSA	25.0	92	20 - 150	9.908716		0.0119	
D3-NMeFOSA	25.0	87	20 - 150	11.18933		0.0000	
D5-NEtFOSA	25.0	84	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	50.0	92	20 - 150	7.702933		0.0000	
D5-NEtFOSAA	50.0	93	20 - 150	7.92665		0.0000	
D7-NMeFOSE	250	80	20 - 150	11.05208		0.0000	
D9-NEtFOSE	250	80	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	100	93	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25F0614-BS1) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/12/25 20:43		
13C4-PFBA	100	40	20 - 150	3.10675		0.0048	
13C5-PFPeA	50.0	93	20 - 150	4.606283		0.0120	
13C5-PFHxA	25.0	97	20 - 150	5.489583		0.0083	
13C4-PFHpA	25.0	95	20 - 150	6.14165		0.0000	
13C8-PFOA	25.0	96	20 - 150	6.66205		0.0000	
13C9-PFNA	12.5	99	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.5	101	20 - 150	7.575233		0.0000	
13C7-PFUnA	12.5	100	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.5	96	20 - 150	8.4238		0.0000	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	86	20 - 150	8.810317		-0.0018	
13C2-PFTeDA	12.5	74	20 - 150	9.196834		-0.0036	
13C3-PFBS	25.0	97	20 - 150	5.505383		0.0083	
13C3-PFHxS	25.0	95	20 - 150	6.797233		-0.0071	
13C8-PFOS	25.0	97	20 - 150	7.756033		0.0000	
13C2-4:2FTS	50.0	122	20 - 150	5.250333		0.0071	
13C2-6:2FTS	50.0	112	20 - 150	6.458917		0.0000	
13C2-8:2FTS	50.0	107	20 - 150	7.360417		-0.0118	
13C8-PFOSA	25.0	93	20 - 150	9.908716		0.0119	
D3-NMeFOSA	25.0	83	20 - 150	11.18933		0.0000	
D5-NEtFOSA	25.0	82	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	50.0	92	20 - 150	7.702933		0.0000	
D5-NEtFOSAA	50.0	95	20 - 150	7.92665		0.0000	
D7-NMeFOSE	250	75	20 - 150	11.05208		0.0000	
D9-NEtFOSE	250	74	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	100	94	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
LCS (B25F0614-BS2) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/12/25 21:01		
13C4-PFBA	100	37	20 - 150	3.10675		0.0048	
13C5-PFPeA	50.0	93	20 - 150	4.594316		0.0000	
13C5-PFHxA	25.0	97	20 - 150	5.489583		0.0083	
13C4-PFHpA	25.0	95	20 - 150	6.14165		0.0000	
13C8-PFOA	25.0	95	20 - 150	6.66205		0.0000	
13C9-PFNA	12.5	97	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.5	96	20 - 150	7.563433		-0.0118	
13C7-PFUnA	12.5	95	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.5	91	20 - 150	8.4238		0.0000	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.5	80	20 - 150	8.810317		-0.0018	
13C2-PFTeDA	12.5	70	20 - 150	9.196834		-0.0036	
13C3-PFBS	25.0	98	20 - 150	5.505383		0.0083	
13C3-PFHxS	25.0	96	20 - 150	6.797233		-0.0071	
13C8-PFOS	25.0	98	20 - 150	7.744216		-0.0118	
13C2-4:2FTS	50.0	107	20 - 150	5.250333		0.0071	
13C2-6:2FTS	50.0	107	20 - 150	6.447067		-0.0119	
13C2-8:2FTS	50.0	106	20 - 150	7.360417		-0.0118	
13C8-PFOSA	25.0	95	20 - 150	9.908716		0.0119	
D3-NMeFOSA	25.0	87	20 - 150	11.18933		0.0000	
D5-NEtFOSA	25.0	83	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	50.0	93	20 - 150	7.691167		-0.0118	
D5-NEtFOSAA	50.0	92	20 - 150	7.92665		0.0000	
D7-NMeFOSE	250	82	20 - 150	11.05208		0.0000	
D9-NEtFOSE	250	80	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	100	92	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
FB01-GW060525 (O25F0365-01) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/12/25 23:39		
13C4-PFBA	98.9	45	20 - 150	3.10675		0.0048	
13C5-PFPeA	49.4	93	20 - 150	4.594316		0.0000	
13C5-PFHxA	24.7	96	20 - 150	5.477716		-0.0036	
13C4-PFHpA	24.7	95	20 - 150	6.12985		-0.0118	
13C8-PFOA	24.7	92	20 - 150	6.6502		-0.0118	
13C9-PFNA	12.4	96	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.4	98	20 - 150	7.563433		-0.0118	
13C7-PFUnA	12.4	98	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.4	84	20 - 150	8.41195		-0.0119	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.4	71	20 - 150	8.798433		-0.0137	
13C2-PFTeDA	12.4	57	20 - 150	9.184916		-0.0155	
13C3-PFBS	24.7	97	20 - 150	5.493516		-0.0036	
13C3-PFHxS	24.7	95	20 - 150	6.797233		-0.0071	
13C8-PFOS	24.7	95	20 - 150	7.744216		-0.0118	
13C2-4:2FTS	49.4	122	20 - 150	5.250333		0.0071	
13C2-6:2FTS	49.4	111	20 - 150	6.447067		-0.0119	
13C2-8:2FTS	49.4	107	20 - 150	7.360417		-0.0118	
13C8-PFOSA	24.7	93	20 - 150	9.908716		0.0119	
D3-NMeFOSA	24.7	84	20 - 150	11.18933		0.0000	
D5-NEtFOSA	24.7	84	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	49.4	89	20 - 150	7.691167		-0.0118	
D5-NEtFOSAA	49.4	84	20 - 150	7.92665		0.0000	
D7-NMeFOSE	247	79	20 - 150	11.05208		0.0000	
D9-NEtFOSE	247	79	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	98.9	92	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
FD02-GW060525 (O25F0365-02) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/12/25 23:57		
13C4-PFBA	98.1	64	20 - 150	3.10675		0.0048	
13C5-PFPeA	49.0	98	20 - 150	4.594316		0.0000	
13C5-PFHxA	24.5	99	20 - 150	5.477716		-0.0036	
13C4-PFHpA	24.5	99	20 - 150	6.12985		-0.0118	
13C8-PFOA	24.5	98	20 - 150	6.6502		-0.0118	
13C9-PFNA	12.3	97	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.3	98	20 - 150	7.563433		-0.0118	
13C7-PFUnA	12.3	96	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.3	89	20 - 150	8.41195		-0.0119	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.3	81	20 - 150	8.798433		-0.0137	
13C2-PFTeDA	12.3	73	20 - 150	9.184916		-0.0155	
13C3-PFBS	24.5	101	20 - 150	5.493516		-0.0036	
13C3-PFHxS	24.5	95	20 - 150	6.797233		-0.0071	
13C8-PFOS	24.5	99	20 - 150	7.744216		-0.0118	
13C2-4:2FTS	49.0	131	20 - 150	5.238467		-0.0047	
13C2-6:2FTS	49.0	121	20 - 150	6.447067		-0.0119	
13C2-8:2FTS	49.0	107	20 - 150	7.360417		-0.0118	
13C8-PFOSA	24.5	92	20 - 150	9.908716		0.0119	
D3-NMeFOSA	24.5	80	20 - 150	11.18933		0.0000	
D5-NEtFOSA	24.5	73	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	49.0	93	20 - 150	7.691167		-0.0118	
D5-NEtFOSAA	49.0	89	20 - 150	7.92665		0.0000	
D7-NMeFOSE	245	82	20 - 150	11.05208		0.0000	
D9-NEtFOSE	245	80	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	98.1	96	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW39D-GW06025 (O25F0365-03) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/13/25 00:14		
13C4-PFBA	96.8	60	20 - 150	3.10675		0.0048	
13C5-PFPeA	48.4	96	20 - 150	4.594316		0.0000	
13C5-PFHxA	24.2	98	20 - 150	5.489583		0.0083	
13C4-PFHpA	24.2	96	20 - 150	6.14165		0.0000	
13C8-PFOA	24.2	98	20 - 150	6.66205		0.0000	
13C9-PFNA	12.1	97	20 - 150	7.12505		-0.0095	
13C6-PFDA	12.1	97	20 - 150	7.563433		-0.0118	
13C7-PFUnA	12.1	96	20 - 150	7.999		-0.0047	
13C2-PFDoA	12.1	86	20 - 150	8.41195		-0.0119	
AVE 13C2-PFTeDA & 13C2-PFDoA	12.1	79	20 - 150	8.798433		-0.0137	
13C2-PFTeDA	12.1	72	20 - 150	9.184916		-0.0155	
13C3-PFBS	24.2	100	20 - 150	5.505383		0.0083	
13C3-PFHxS	24.2	97	20 - 150	6.797233		-0.0071	
13C8-PFOS	24.2	95	20 - 150	7.744216		-0.0118	
13C2-4:2FTS	48.4	125	20 - 150	5.250333		0.0071	
13C2-6:2FTS	48.4	112	20 - 150	6.458917		0.0000	
13C2-8:2FTS	48.4	103	20 - 150	7.360417		-0.0118	
13C8-PFOSA	24.2	90	20 - 150	9.908716		0.0119	
D3-NMeFOSA	24.2	75	20 - 150	11.18933		0.0000	
D5-NEtFOSA	24.2	71	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	48.4	89	20 - 150	7.691167		-0.0118	
D5-NEtFOSAA	48.4	86	20 - 150	7.92665		0.0000	
D7-NMeFOSE	242	77	20 - 150	11.05208		0.0000	
D9-NEtFOSE	242	76	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	96.8	92	20 - 150	5.734733		0.0000	

EXTRACTED INTERNAL STANDARD SUMMARY SHEET

E1633

Client: CDM Federal Programs Corporation
SDG:
Project: Salt Lake City VA PFAS

Surrogate Compound	Spike level	% Recovery	Recovery Limits	RT	Ref RT	RT Diff	Q
MW39S-GW060575 (O25F0365-04) ng/L			Lab File ID: PFAS1_250612_(		Analyzed: 06/13/25 00:32		
13C4-PFBA	95.6	59	20 - 150	3.10675		0.0048	
13C5-PFPeA	47.8	98	20 - 150	4.594316		0.0000	
13C5-PFHxA	23.9	97	20 - 150	5.477716		-0.0036	
13C4-PFHpA	23.9	97	20 - 150	6.14165		0.0000	
13C8-PFOA	23.9	96	20 - 150	6.6502		-0.0118	
13C9-PFNA	11.9	97	20 - 150	7.12505		-0.0095	
13C6-PFDA	11.9	97	20 - 150	7.563433		-0.0118	
13C7-PFUnA	11.9	95	20 - 150	7.999		-0.0047	
13C2-PFDoA	11.9	88	20 - 150	8.41195		-0.0119	
AVE 13C2-PFTeDA & 13C2-PFDoA	11.9	79	20 - 150	8.798433		-0.0137	
13C2-PFTeDA	11.9	70	20 - 150	9.184916		-0.0155	
13C3-PFBS	23.9	100	20 - 150	5.505383		0.0083	
13C3-PFHxS	23.9	97	20 - 150	6.797233		-0.0071	
13C8-PFOS	23.9	92	20 - 150	7.744216		-0.0118	
13C2-4:2FTS	47.8	124	20 - 150	5.250333		0.0071	
13C2-6:2FTS	47.8	117	20 - 150	6.447067		-0.0119	
13C2-8:2FTS	47.8	113	20 - 150	7.360417		-0.0118	
13C8-PFOSA	23.9	92	20 - 150	9.908716		0.0119	
D3-NMeFOSA	23.9	75	20 - 150	11.18933		0.0000	
D5-NEtFOSA	23.9	72	20 - 150	11.56815		0.0096	
D3-NMeFOSAA	47.8	88	20 - 150	7.691167		-0.0118	
D5-NEtFOSAA	47.8	87	20 - 150	7.92665		0.0000	
D7-NMeFOSE	239	79	20 - 150	11.05208		0.0000	
D9-NEtFOSE	239	77	20 - 150	11.4319		0.0120	
13C3-HFPO-DA	95.6	95	20 - 150	5.734733		0.0000	

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25F0614	Lab Sample ID:	B25F0614-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	20.0	20.4	102	40 - 150
PFPeA	10.0	10.3	103	40 - 150
PFHxA	5.00	5.20	104	40 - 150
PFHpA	5.00	5.19	104	40 - 150
PFOA	5.00	5.19	104	40 - 150
PFNA	5.00	4.78	96	40 - 150
PFDA	5.00	5.04	101	40 - 150
PFUnA	5.00	5.13	103	40 - 150
PFDoA	5.00	5.04	101	40 - 150
PFTrDA	5.00	5.71	114	40 - 150
PFTeDA	5.00	5.21	104	40 - 150
PFBS	4.42	4.50	102	40 - 150
PFPeS	4.70	4.78	102	40 - 150
PFHxS	4.58	4.70	103	40 - 150
PFHpS	4.78	4.77	100	40 - 150
PFOS	4.65	4.50	97	40 - 150
PFNS	4.80	4.77	99	40 - 150
PFDS	4.82	4.63	96	40 - 150
PFDoS	4.85	4.15	85	40 - 150
4:2FTS	18.8	20.5	109	40 - 150
6:2FTS	19.0	20.0	105	40 - 150
8:2FTS	19.2	21.3	111	40 - 150
PFOSA	5.00	5.32	106	40 - 150
NMeFOSA	5.00	4.88	98	40 - 150
NEtFOSA	5.00	4.65	93	40 - 150
NMeFOSAA	5.00	4.93	99	40 - 150
NEtFOSAA	5.00	5.01	100	40 - 150
NMeFOSE	50.0	51.8	104	40 - 150
NEtFOSE	50.0	51.9	104	40 - 150
HFPO-DA	10.0	9.36	94	40 - 150
ADONA	9.45	9.39	99	40 - 150
9CL-PF3ONS	9.35	9.33	100	40 - 150
11CL-PF3OUdS	9.45	9.11	96	40 - 150
3:3FTCA	20.0	12.9	65	40 - 150
5:3FTCA	100	94.4	94	40 - 150
7:3FTCA	100	89.4	89	40 - 150
PFEESA	8.90	8.39	94	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25F0614	Lab Sample ID:	B25F0614-BS1

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	10.0	7.56	76	40 - 150
PFMBA	10.0	10.1	101	40 - 150
NFDHA	10.0	9.39	94	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25F0614	Lab Sample ID:	B25F0614-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFBA	200	217	108	40 - 150
PFPeA	100	107	107	40 - 150
PFHxA	50.0	54.3	109	40 - 150
PFHpA	50.0	53.3	107	40 - 150
PFOA	50.0	54.7	109	40 - 150
PFNA	50.0	53.4	107	40 - 150
PFDA	50.0	54.8	110	40 - 150
PFUnA	50.0	53.0	106	40 - 150
PFDoA	50.0	54.9	110	40 - 150
PFTrDA	50.0	58.7	117	40 - 150
PFTeDA	50.0	54.2	108	40 - 150
PFBS	44.2	49.8	113	40 - 150
PFPeS	47.0	52.4	112	40 - 150
PFHxS	45.8	50.8	111	40 - 150
PFHpS	47.8	51.3	107	40 - 150
PFOS	46.5	50.8	109	40 - 150
PFNS	48.0	51.3	107	40 - 150
PFDS	48.2	49.1	102	40 - 150
PFDoS	48.5	40.3	83	40 - 150
4:2FTS	188	225	120	40 - 150
6:2FTS	190	218	114	40 - 150
8:2FTS	192	217	113	40 - 150
PFOSA	50.0	55.1	110	40 - 150
NMeFOSA	50.0	51.8	104	40 - 150
NEtFOSA	50.0	51.5	103	40 - 150
NMeFOSAA	50.0	55.1	110	40 - 150
NEtFOSAA	50.0	52.7	105	40 - 150
NMeFOSE	500	542	108	40 - 150
NEtFOSE	500	547	109	40 - 150
HFPO-DA	100	105	105	40 - 150
ADONA	94.5	96.3	102	40 - 150
9CL-PF3ONS	93.5	98.0	105	40 - 150
11CL-PF3OUdS	94.5	95.3	101	40 - 150
3:3FTCA	200	145	72	40 - 150
5:3FTCA	1,000	959	96	40 - 150
7:3FTCA	1,000	928	93	40 - 150
PFEESA	89.0	87.9	99	40 - 150

LCS / LCS DUPLICATE RECOVERY

E1633

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	1633 Water
Prep Batch:	B25F0614	Lab Sample ID:	B25F0614-BS2

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
PFMPA	100	75.6	76	40 - 150
PFMBA	100	104	104	40 - 150
NFDHA	100	100	100	40 - 150

* Values outside of QC limits

4 - FORM IV
METHOD BLANK SUMMARY

E1633

Laboratory:	Sterling Labs	Work Order:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Blank ID:	B25F0614-BLK1	Batch:	B25F0614

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
HLCS	B25F0614-BS2	PFAS1_250612_031.d	21:01
LLCS	B25F0614-BS1	PFAS1_250612_030.d	20:43
MW39S-GW060575	O25F0365-04	PFAS1_250612_043.d	00:32
MW39D-GW06025	O25F0365-03	PFAS1_250612_042.d	00:14
FD02-GW060525	O25F0365-02	PFAS1_250612_041.d	23:57
FB01-GW060525	O25F0365-01	PFAS1_250612_040.d	23:39

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB1	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB1	13C4-PFBA	10.0	ug/L		
	13C5-PFPeA	5.17	ug/L		
	13C5-PFHxA	2.57	ug/L		
	13C4-PFHpA	2.55	ug/L		
	13C8-PFOA	2.56	ug/L		
	13C9-PFNA	1.27	ug/L		
	13C6-PFDA	1.31	ug/L		
	13C7-PFUnA	1.28	ug/L		
	13C2-PFDoA	1.26	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	ug/L		
	13C2-PFTeDA	1.23	ug/L		
	13C3-PFBS	2.70	ug/L		
	13C3-PFHxS	2.53	ug/L		
	13C8-PFOS	2.52	ug/L		
	13C2-4:2FTS	5.88	ug/L		
	13C2-6:2FTS	5.52	ug/L		
	13C2-8:2FTS	5.71	ug/L		
	13C8-PFOSA	2.51	ug/L		
	D3-NMeFOSA	2.40	ug/L		
	D5-NEtFOSA	2.47	ug/L		
	D3-NMeFOSAA	4.95	ug/L		
	D5-NEtFOSAA	4.97	ug/L		
	D7-NMeFOSE	23.8	ug/L		
	D9-NEtFOSE	23.5	ug/L		
	13C3-HFPO-DA	10.1	ug/L		
S25F0493-CCB2	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB2	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	9.97	ug/L		
	13C5-PFPeA	4.99	ug/L		
	13C5-PFHxA	2.54	ug/L		
	13C4-PFHpA	2.50	ug/L		
	13C8-PFOA	2.49	ug/L		
	13C9-PFNA	1.25	ug/L		
	13C6-PFDA	1.27	ug/L		
	13C7-PFUnA	1.27	ug/L		
	13C2-PFDoA	1.23	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.22	ug/L		
	13C2-PFTeDA	1.20	ug/L		
	13C3-PFBS	2.65	ug/L		
	13C3-PFHxS	2.47	ug/L		
	13C8-PFOS	2.67	ug/L		

FORM 3 - Blank Summary

E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB2	13C2-4:2FTS	5.71	ug/L		
	13C2-6:2FTS	5.60	ug/L		
	13C2-8:2FTS	5.21	ug/L		
	13C8-PFOSA	2.58	ug/L		
	D3-NMeFOSA	2.43	ug/L		
	D5-NEtFOSA	2.53	ug/L		
	D3-NMeFOSAA	5.13	ug/L		
	D5-NEtFOSAA	5.00	ug/L		
	D7-NMeFOSE	24.0	ug/L		
	D9-NEtFOSE	23.6	ug/L		
	13C3-HFPO-DA	9.83	ug/L		
B25F0614-BLK1	PFBA		ng/L	6.40	U
	PFPeA		ng/L	3.20	U
	PFHxA		ng/L	1.60	U
	PFHpA		ng/L	1.60	U
	PFOA	0.24	ng/L	1.60	J
	PFNA		ng/L	1.60	U
	PFDA		ng/L	1.60	U
	PFUnA		ng/L	1.60	U
	PFDoA		ng/L	1.60	U
	PFTrDA		ng/L	1.60	U
	PFTeDA		ng/L	1.60	U
	PFBS		ng/L	1.42	U
	PFPeS		ng/L	1.51	U
	PFHxS		ng/L	1.46	U
	PFHpS		ng/L	1.52	U
	PFOS		ng/L	1.86	U
	PFNS		ng/L	1.54	U
	PFDS		ng/L	1.54	U
	PFDoS		ng/L	1.55	U
	4:2FTS		ng/L	6.00	U
	6:2FTS		ng/L	6.08	U
	8:2FTS		ng/L	6.14	U
	PFOSA		ng/L	1.60	U
	NMeFOSA		ng/L	1.60	U
	NEtFOSA		ng/L	1.60	U
	NMeFOSAA		ng/L	1.60	U
	NEtFOSAA		ng/L	1.60	U
	NMeFOSE		ng/L	16.0	U

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E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
B25F0614-BLK1	NEtFOSE		ng/L	16.0	U
	HFPO-DA		ng/L	3.20	U
	ADONA		ng/L	3.02	U
	9CL-PF3ONS		ng/L	2.99	U
	11CL-PF3OUdS		ng/L	3.02	U
	3:3FTCA		ng/L	6.40	U
	5:3FTCA		ng/L	32.0	U
	7:3FTCA		ng/L	32.0	U
	PFEESA		ng/L	2.85	U
	PFMPA		ng/L	3.20	U
	PFMBA		ng/L	3.20	U
	NFDHA		ng/L	3.20	U
	13C4-PFBA	43.4	ng/L		
	13C5-PFPeA	46.6	ng/L		
	13C5-PFHxA	24.3	ng/L		
	13C4-PFHpA	23.6	ng/L		
	13C8-PFOA	23.6	ng/L		
	13C9-PFNA	12.0	ng/L		
	13C6-PFDA	12.2	ng/L		
	13C7-PFUnA	12.4	ng/L		
	13C2-PFDoA	11.7	ng/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	10.1	ng/L		
	13C2-PFTeDA	8.49	ng/L		
	13C3-PFBS	24.7	ng/L		
	13C3-PFHxS	23.3	ng/L		
	13C8-PFOS	23.9	ng/L		
	13C2-4:2FTS	62.6	ng/L		
	13C2-6:2FTS	56.7	ng/L		
	13C2-8:2FTS	52.4	ng/L		
	13C8-PFOSA	23.1	ng/L		
	D3-NMeFOSA	21.7	ng/L		
	D5-NEtFOSA	21.1	ng/L		
	D3-NMeFOSAA	46.0	ng/L		
	D5-NEtFOSAA	46.4	ng/L		
	D7-NMeFOSE	199	ng/L		
	D9-NEtFOSE	200	ng/L		
	13C3-HFPO-DA	93.4	ng/L		
S25F0493-CCB3	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U

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E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB3	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U
	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	10.1	ug/L		
	13C5-PFPeA	5.11	ug/L		

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E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB3	13C5-PFHxA	2.54	ug/L		
	13C4-PFHpA	2.51	ug/L		
	13C8-PFOA	2.53	ug/L		
	13C9-PFNA	1.27	ug/L		
	13C6-PFDA	1.35	ug/L		
	13C7-PFUnA	1.30	ug/L		
	13C2-PFDoA	1.26	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.26	ug/L		
	13C2-PFTeDA	1.27	ug/L		
	13C3-PFBS	2.67	ug/L		
	13C3-PFHxS	2.53	ug/L		
	13C8-PFOS	2.57	ug/L		
	13C2-4:2FTS	5.90	ug/L		
	13C2-6:2FTS	5.83	ug/L		
	13C2-8:2FTS	5.61	ug/L		
	13C8-PFOSA	2.57	ug/L		
	D3-NMeFOSA	2.39	ug/L		
	D5-NEtFOSA	2.45	ug/L		
	D3-NMeFOSAA	5.16	ug/L		
	D5-NEtFOSAA	5.11	ug/L		
	D7-NMeFOSE	23.9	ug/L		
	D9-NEtFOSE	23.4	ug/L		
	13C3-HFPO-DA	10.1	ug/L		
S25F0493-CCB4	PFBA		ug/L	0.64	U
	PFPeA		ug/L	0.32	U
	PFHxA		ug/L	0.16	U
	PFHpA		ug/L	0.16	U
	PFOA		ug/L	0.16	U
	PFNA		ug/L	0.16	U
	PFDA		ug/L	0.16	U
	PFUnA		ug/L	0.16	U
	PFDoA		ug/L	0.16	U
	PFTrDA		ug/L	0.16	U
	PFTeDA		ug/L	0.16	U
	PFBS		ug/L	0.14	U
	PFPeS		ug/L	0.15	U
	PFHxS		ug/L	0.15	U
	PFHpS		ug/L	0.15	U
	PFOS		ug/L	0.19	U

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E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB4	PFNS		ug/L	0.15	U
	PFDS		ug/L	0.15	U
	PFDoS		ug/L	0.16	U
	4:2FTS		ug/L	0.60	U
	6:2FTS		ug/L	0.61	U
	8:2FTS		ug/L	0.61	U
	PFOSA		ug/L	0.16	U
	NMeFOSA		ug/L	0.16	U
	NEtFOSA		ug/L	0.16	U
	NMeFOSAA		ug/L	0.16	U
	NEtFOSAA		ug/L	0.16	U
	NMeFOSE		ug/L	1.60	U
	NEtFOSE		ug/L	1.60	U
	HFPO-DA		ug/L	0.32	U
	ADONA		ug/L	0.30	U
	9CL-PF3ONS		ug/L	0.30	U
	11CL-PF3OUdS		ug/L	0.30	U
	3:3FTCA		ug/L	0.64	U
	5:3FTCA		ug/L	3.20	U
	7:3FTCA		ug/L	3.20	U
	PFEESA		ug/L	0.28	U
	PFMPA		ug/L	0.32	U
	PFMBA		ug/L	0.32	U
	NFDHA		ug/L	0.32	U
	13C4-PFBA	10.0	ug/L		
	13C5-PFPeA	5.22	ug/L		
	13C5-PFHxA	2.59	ug/L		
	13C4-PFHpA	2.56	ug/L		
	13C8-PFOA	2.45	ug/L		
	13C9-PFNA	1.27	ug/L		
	13C6-PFDA	1.31	ug/L		
	13C7-PFUnA	1.29	ug/L		
	13C2-PFDoA	1.23	ug/L		
	AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	ug/L		
	13C2-PFTeDA	1.26	ug/L		
	13C3-PFBS	2.66	ug/L		
	13C3-PFHxS	2.52	ug/L		
	13C8-PFOS	2.57	ug/L		
	13C2-4:2FTS	6.05	ug/L		
	13C2-6:2FTS	5.79	ug/L		

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E1633

Laboratory:	Sterling Labs	Work Order:	
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Sequence:	S25F0493		

Lab Sample ID	Analyte	Found	Units	RL	Qual
S25F0493-CCB4	13C2-8:2FTS	5.91	ug/L		
	13C8-PFOSA	2.61	ug/L		
	D3-NMeFOSA	2.39	ug/L		
	D5-NEtFOSA	2.46	ug/L		
	D3-NMeFOSAA	5.17	ug/L		
	D5-NEtFOSAA	5.14	ug/L		
	D7-NMeFOSE	23.4	ug/L		
	D9-NEtFOSE	22.7	ug/L		
	13C3-HFPO-DA	10.2	ug/L		

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_023.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 6:40:51 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

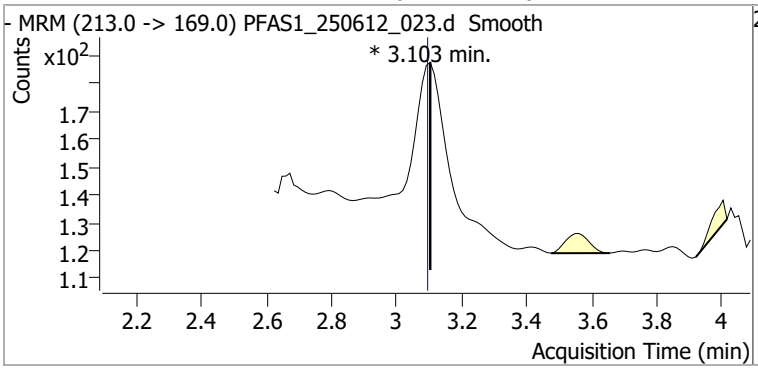
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	178675	5.0000	µg/L	12.959
13C2-PFHxA	5.479	315.0 -> 270.0	191347	2.5000	µg/L	7.092
18O2-PFHxS	6.808	403.0 -> 84.0	25087	2.5000	µg/L	6.753
13C4-PFOA	6.663	417.0 -> 172.0	21076	2.5000	µg/L	4.361
13C5-PFNA	7.137	468.0 -> 423.0	130789	1.2500	µg/L	9.284
13C2-PFDA	7.576	515.0 -> 470.0	132381	1.2500	µg/L	5.793
13C4-PFOS	7.757	503.0 -> 80.0	26845	2.5000	µg/L	7.528
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	413889	10.0000	µg/L	13.397
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.33%		
13C4-PFBA	3.095	217.0 -> 172.0	413889	10.0000	µg/L	13.397
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.33%		
13C5-PFPeA	4.594	268.0 -> 223.0	298719	5.0000	µg/L	10.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.44%		
13C5-PFPeA	4.594	268.0 -> 223.0	298719	5.0000	µg/L	10.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.44%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20113	5.0000	µg/L	24.812
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 117.53%		
13C5-PFHxA	5.478	318.0 -> 273.0	202368	2.5000	µg/L	9.983
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.68%		
13C5-PFHxA	5.478	318.0 -> 273.0	202368	2.5000	µg/L	9.983
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.68%		
13C3-PFBS	5.494	302.0 -> 80.0	49007	2.5000	µg/L	14.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.91%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	239196	10.0000	µg/L	7.808
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.63%		
13C4-PFHpA	6.142	367.0 -> 322.0	233249	2.5000	µg/L	9.405
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.11%		
13C3-PFHxS	6.797	402.0 -> 80.0	29084	2.5000	µg/L	7.794
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.02%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	13231	5.0000	µg/L	17.329
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.33%		
13C8-PFOA	6.662	421.0 -> 376.0	241480	2.5000	µg/L	6.899
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.35%		
13C3-PFHxS	6.797	402.0 -> 80.0	29084	2.5000	µg/L	7.794
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.02%		
13C9-PFNA	7.137	472.0 -> 427.0	135763	1.2500	µg/L	10.645
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.27%		
13C8-PFOS	7.756	507.0 -> 80.0	26844	2.5000	µg/L	8.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.93%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14991	5.0000	µg/L	21.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.17%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14991	5.0000	µg/L	21.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.17%		
13C6-PFDA	7.575	519.0 -> 474.0	146877	1.2500	µg/L	10.514

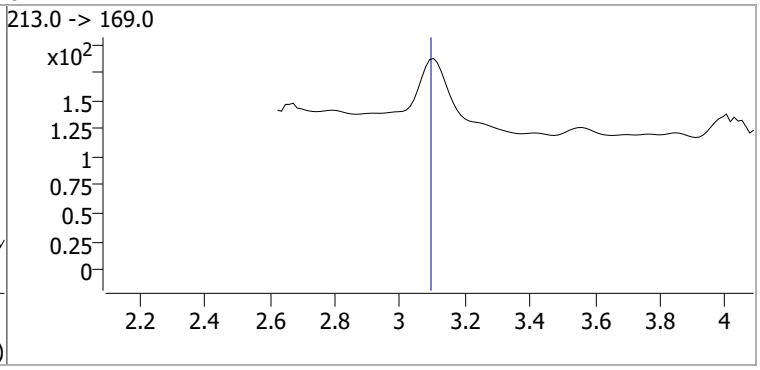
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.52%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	99282	5.0000	µg/L		6.823
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.06%			
13C8-PFOS	7.756	507.0 -> 80.0	26844	2.5000	µg/L		8.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.93%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79783	5.0000	µg/L		7.033
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.34%			
13C7-PFUnDA	7.999	570.0 -> 525.0	125300	1.2500	µg/L		8.613
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 102.70%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	104558	1.2500	µg/L		5.610
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.75%			
13C2-PFDoDA	8.424	615.0 -> 570.0	106958	1.2500	µg/L		6.691
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.77%			
13C2-PFTDA	9.197	715.0 -> 670.0	102157	1.2500	µg/L		4.501
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.69%			
13C8-PFOSA	9.897	506.0 -> 78.0	59091	2.5000	µg/L		8.038
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.26%			
2H7-MeFOSE	11.052	623.1 -> 59.0	281535	25.0000	µg/L		2.485
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.34%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18991	2.5000	µg/L		3.475
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.95%			
2H9-EtFOSE	11.432	639.1 -> 59.0	277776	25.0000	µg/L		1.092
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.03%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21503	2.5000	µg/L		6.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.87%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.794	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.018	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.390	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.507	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.724	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.860	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.120	341.0 -> 237.0	576	0.7316	µg/L		88
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.229	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.345	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.460	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	844	0.0189	µg/L		94
PFHxS	6.810	398.9 -> 80.0	192	0.0092	µg/L		90
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.307	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.373	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.463	441.0 -> 317.0	1228	0.8127	µg/L		92
PFDA	7.576	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.704	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.758	498.9 -> 80.0	364	0.0024	µg/L		82
N-EtFOSAA	7.939	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.834	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.086	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.654	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.817	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.903	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.198	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.344	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.912	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.077	616.0 -> 59.0	1911	0.1022	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	2359	0.0152	µg/L		100
N-EtFOSA	11.569	526.0 -> 219.0	0	0.0000	µg/L	md	

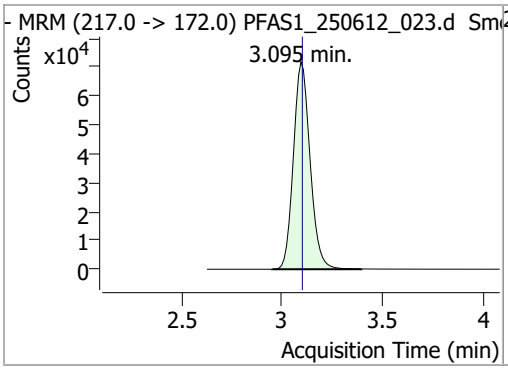
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

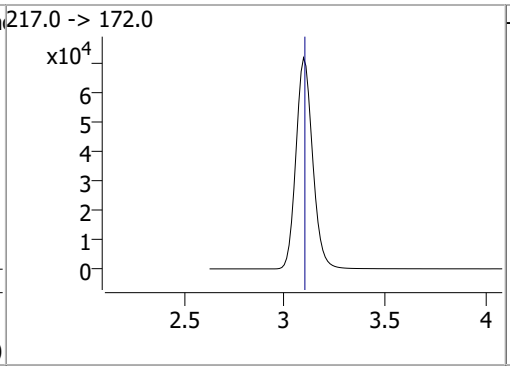
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

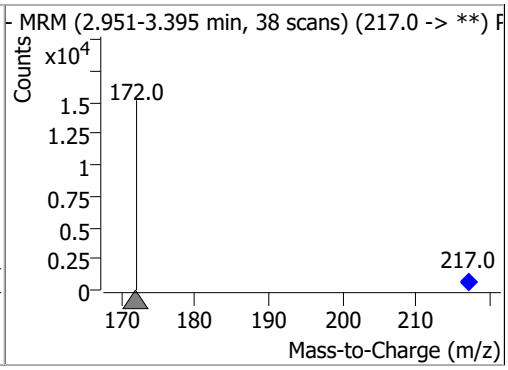




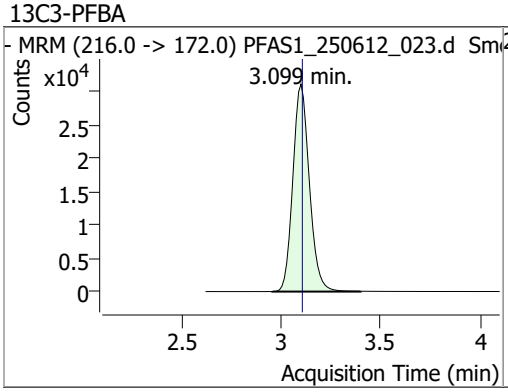
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0330	3.09	0.00	413889				

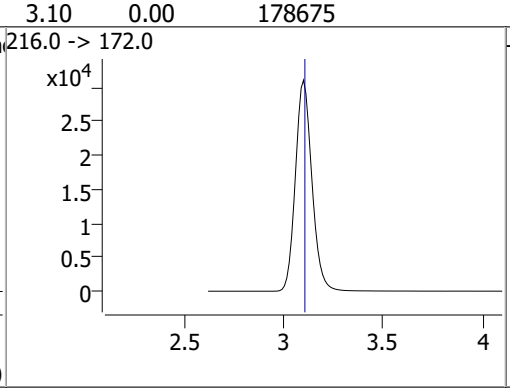


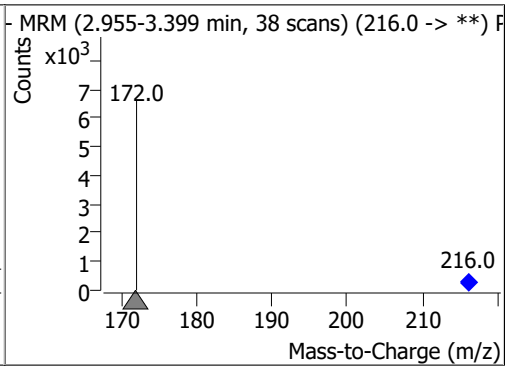




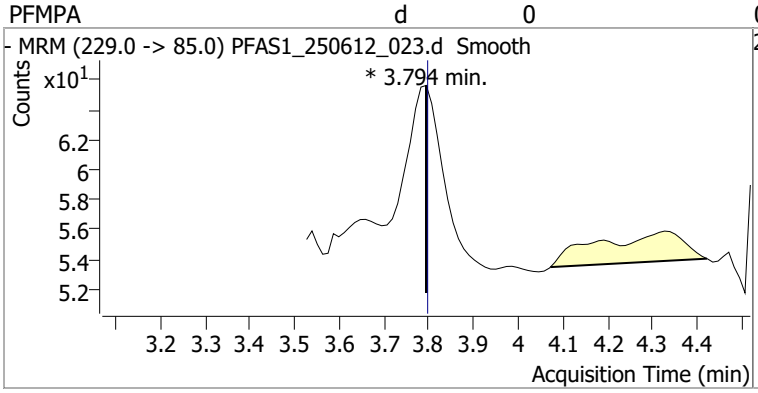
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	178675				

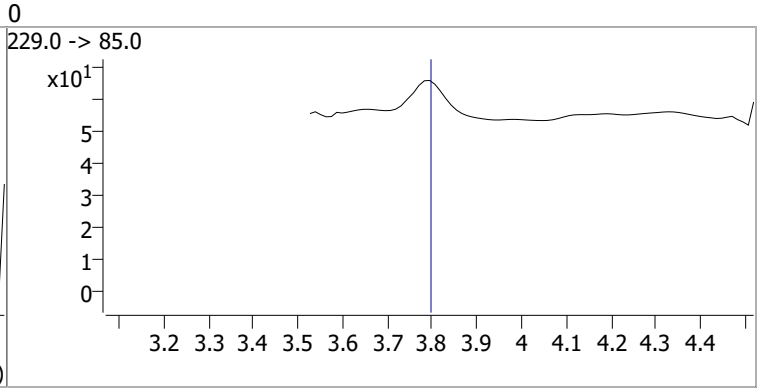




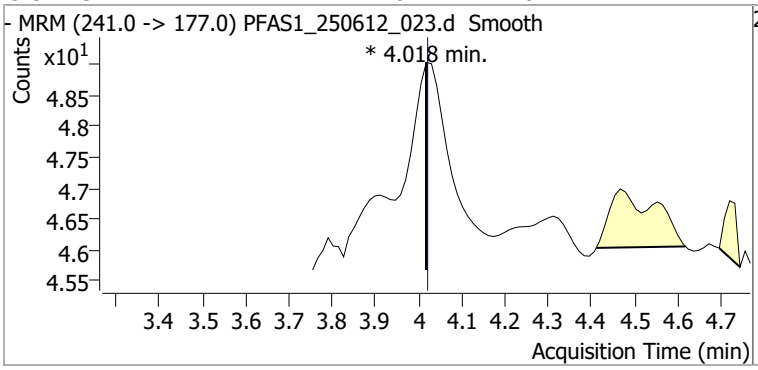


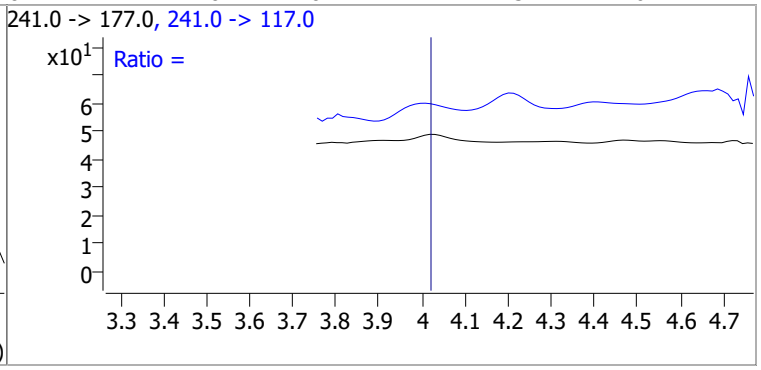
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



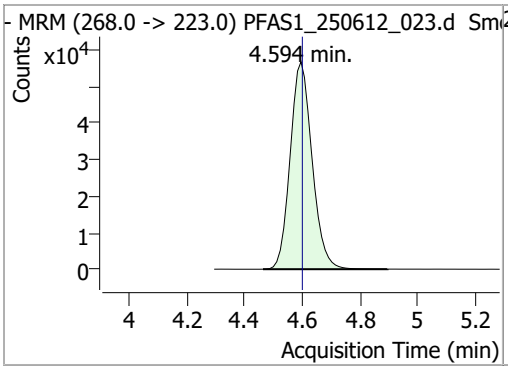


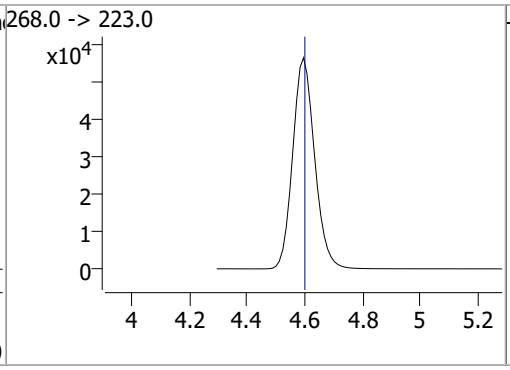
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

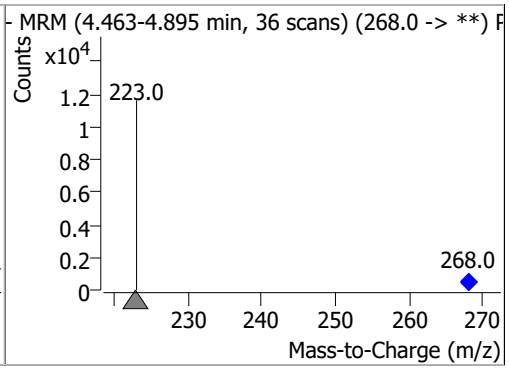




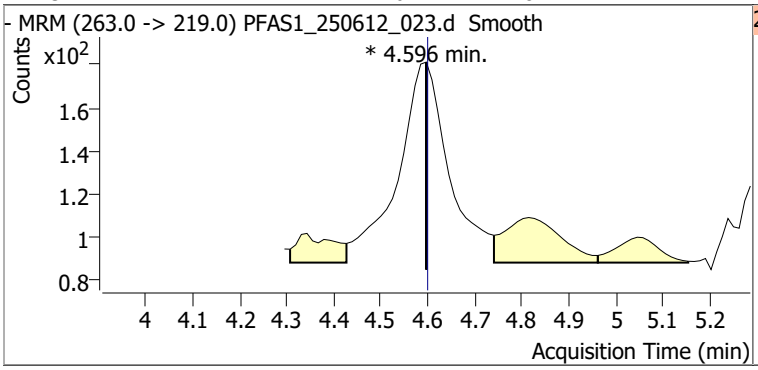
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1718	4.59	0.00	298719				

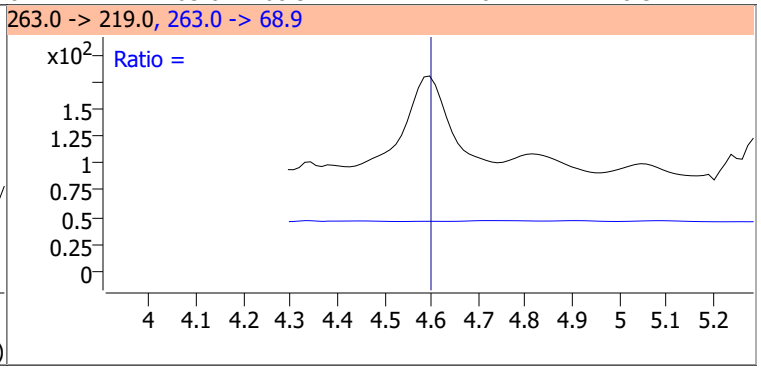




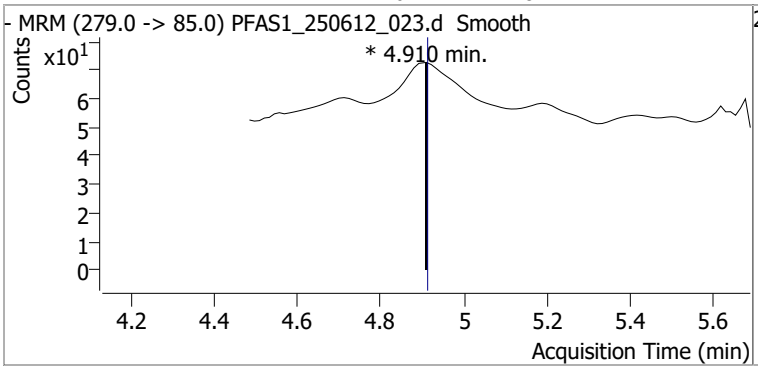


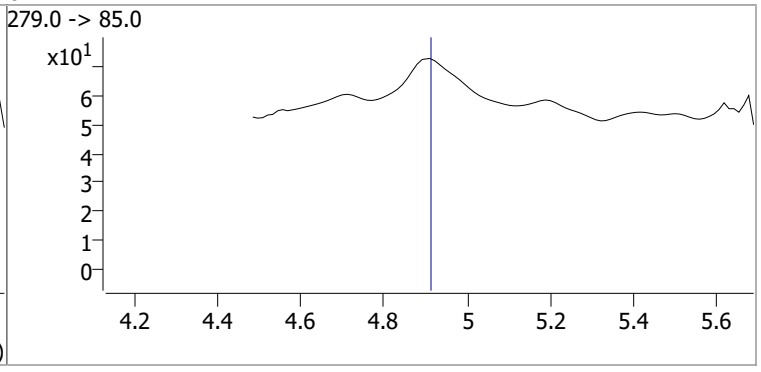
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



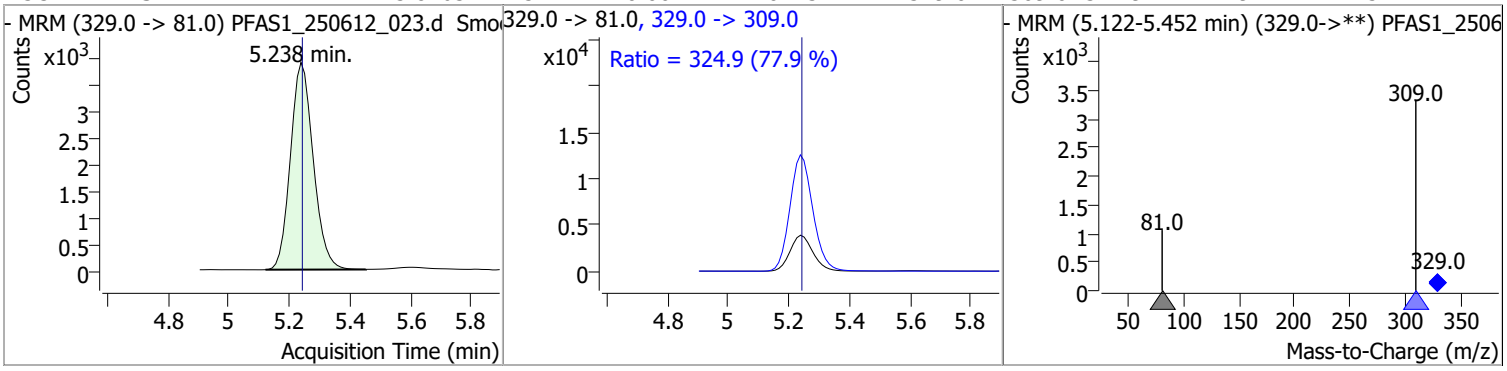


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

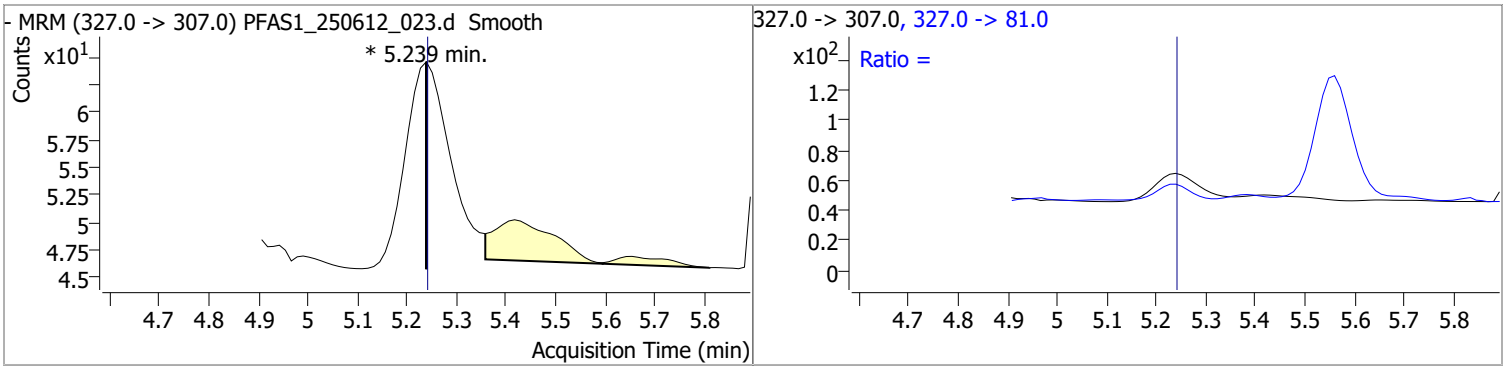




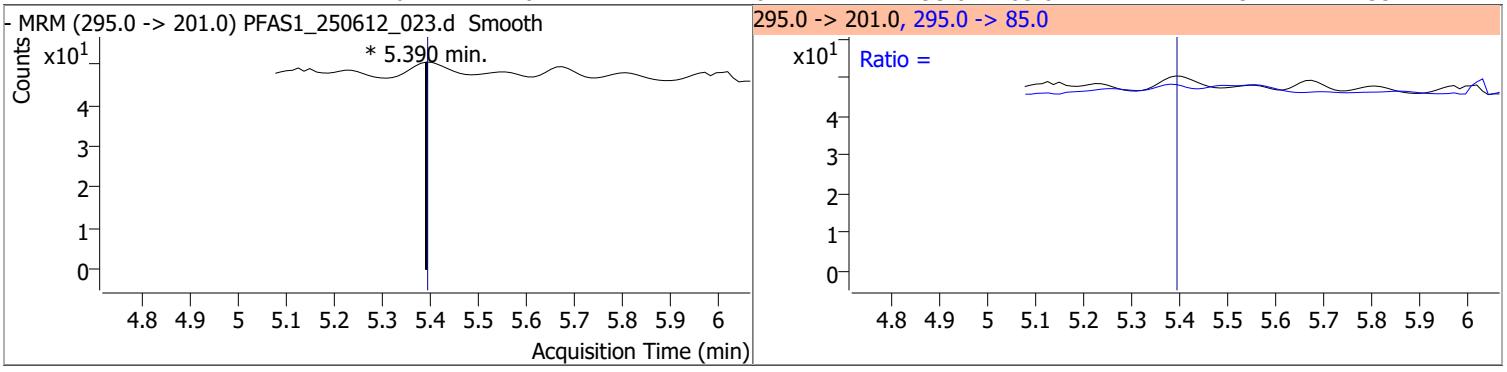
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.8763	5.24	0.00	20113	329.0 -> 309.0	324.9	292.1	542.4



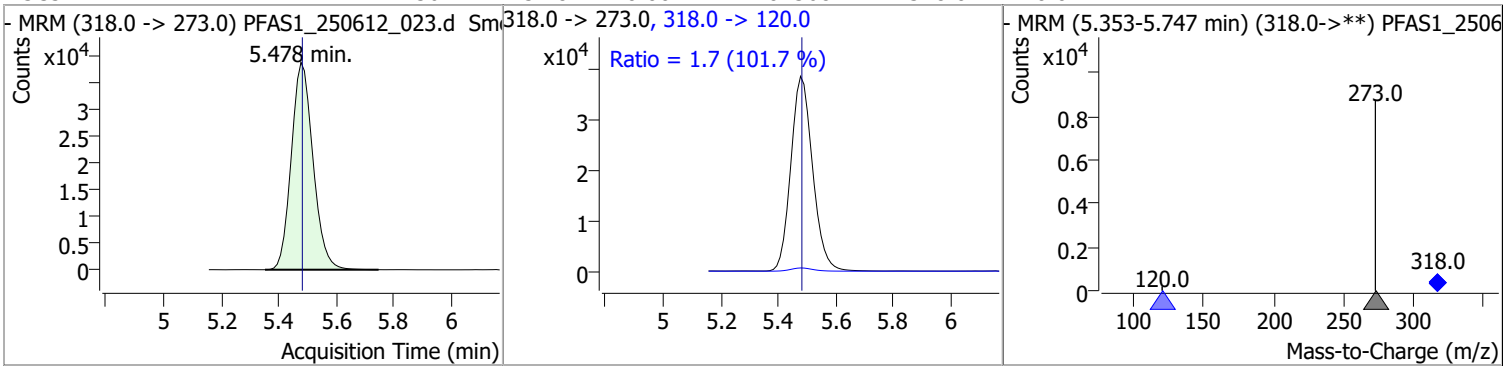
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



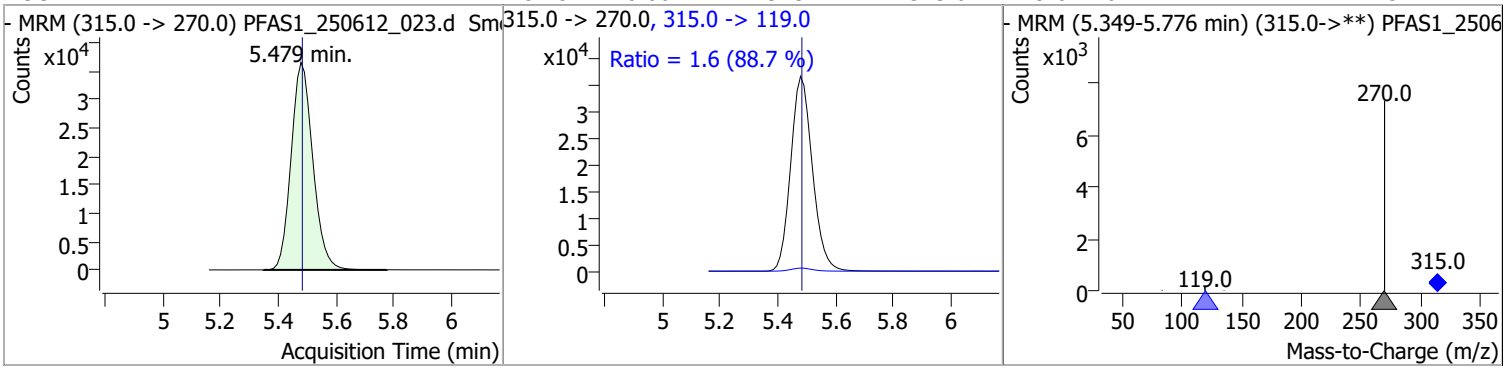
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



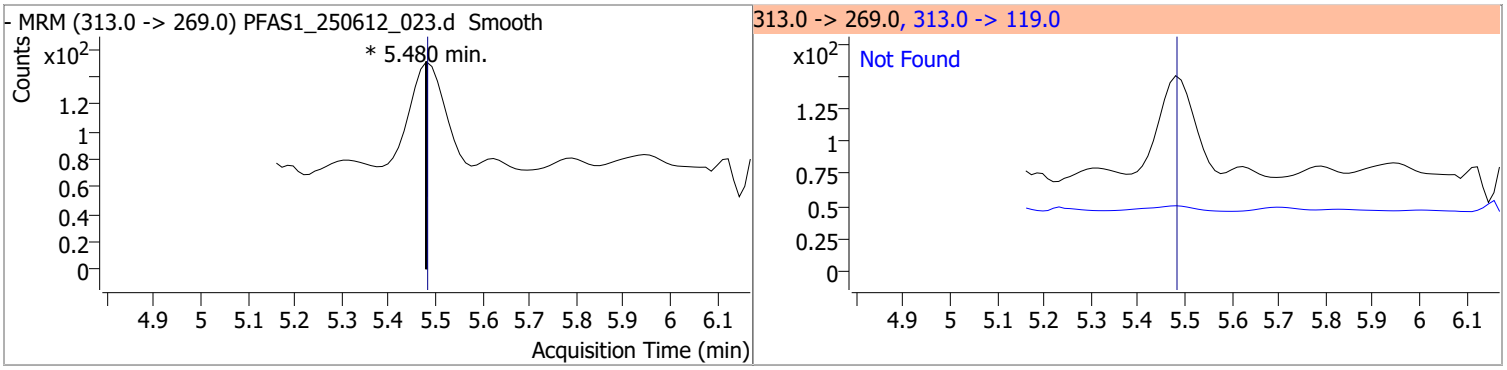
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5671	5.48	0.00	202368	318.0 -> 120.0	1.7	1.1	2.1



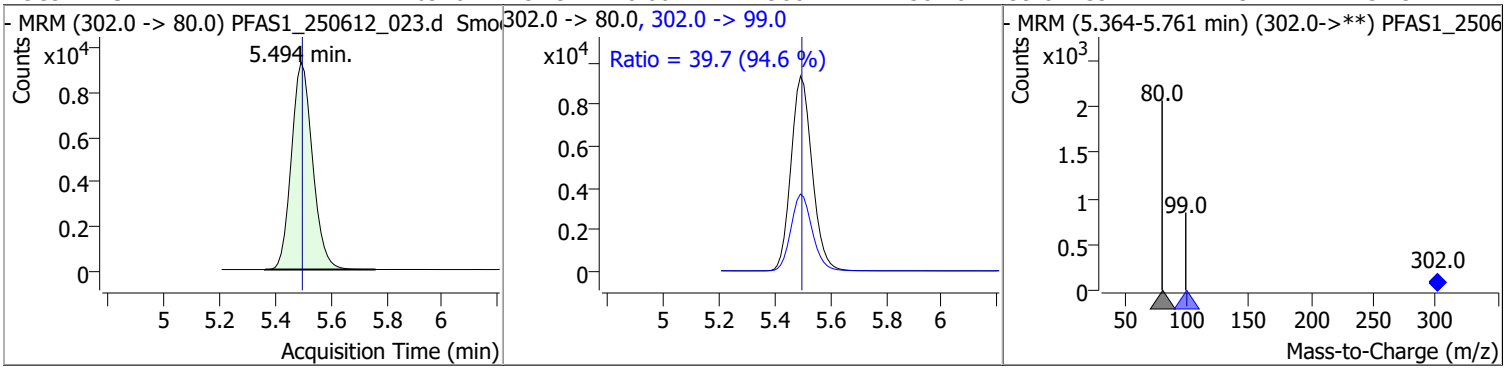
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	191347	315.0 -> 119.0	1.6	1.2	2.3



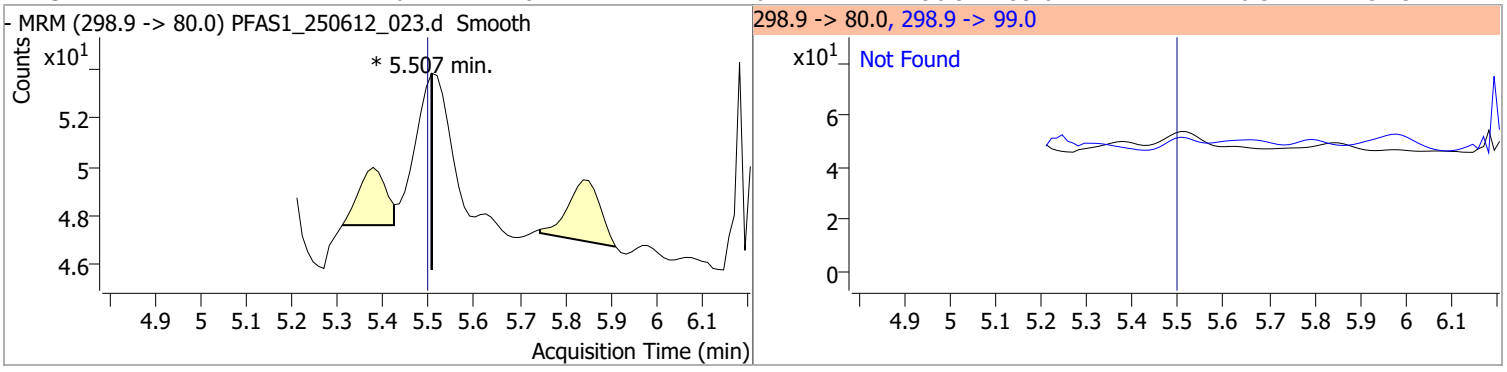
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



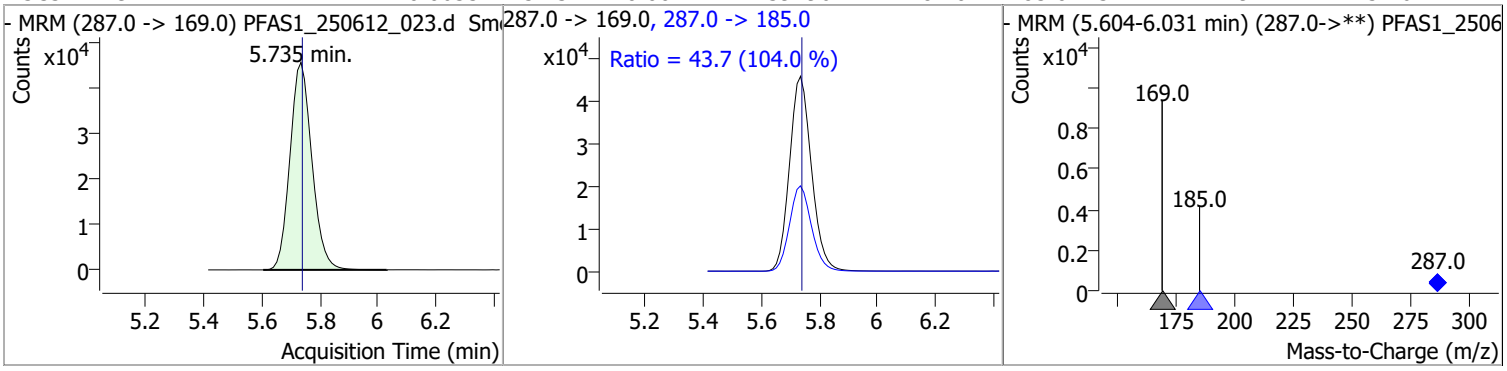
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6978	5.49	0.00	49007	302.0 -> 99.0	39.7	29.4	54.5



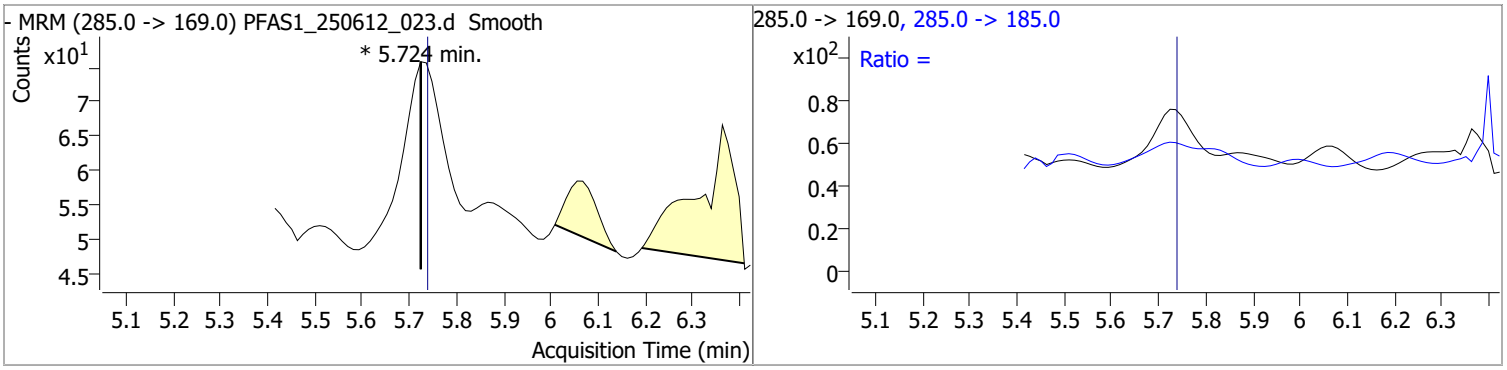
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



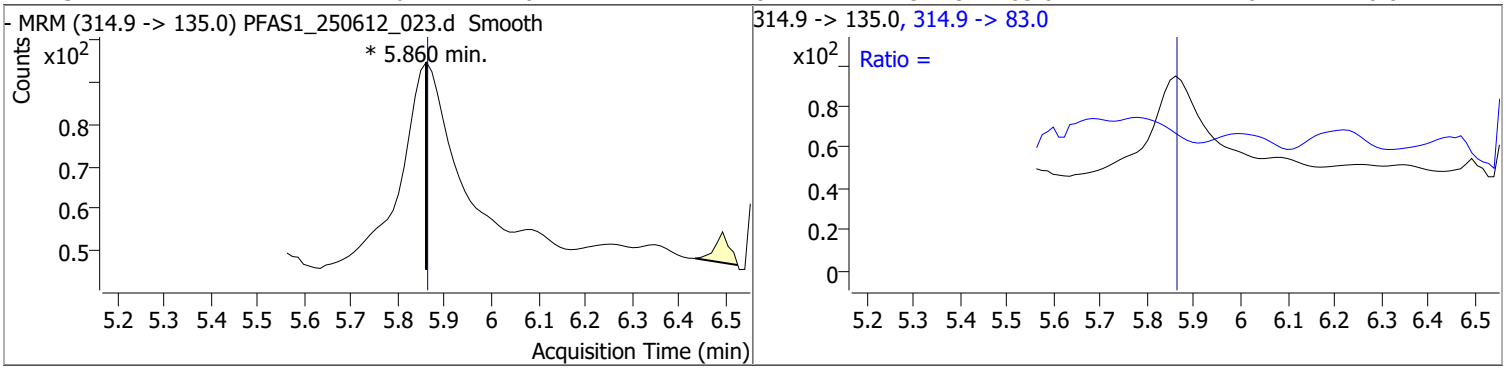
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0635	5.73	0.00	239196	287.0 -> 185.0	43.7	29.4	54.6



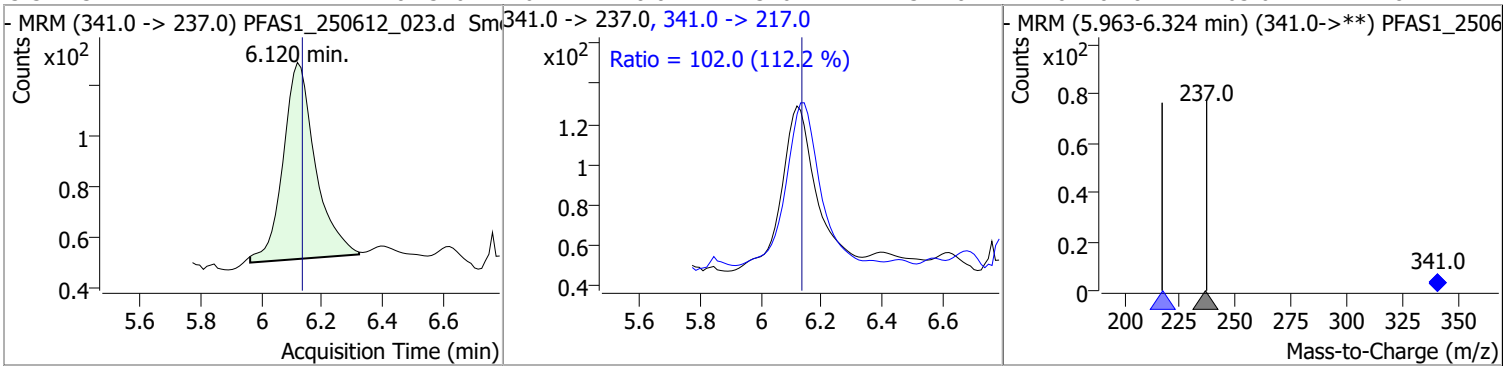
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



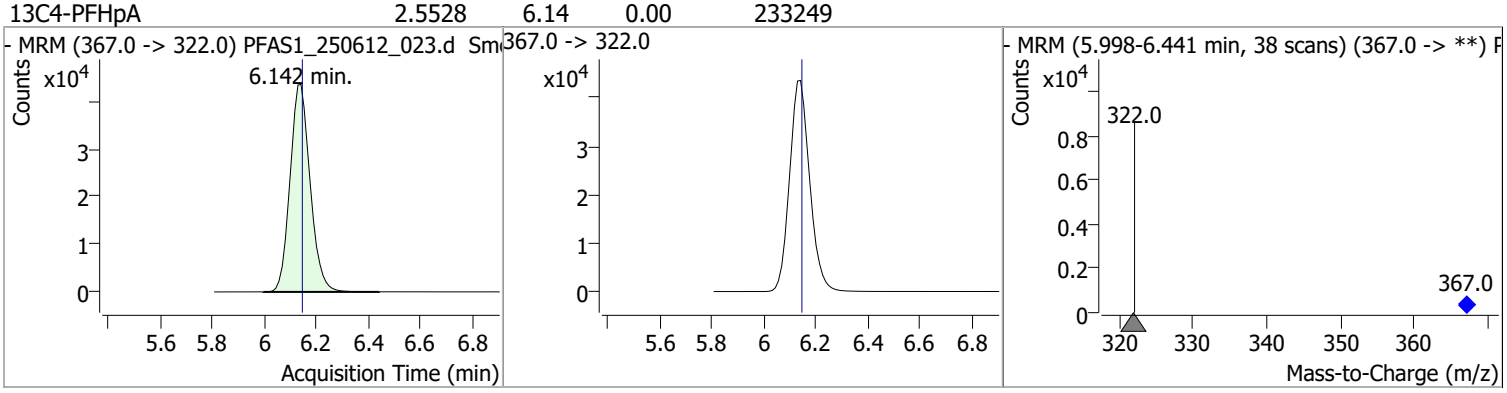
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



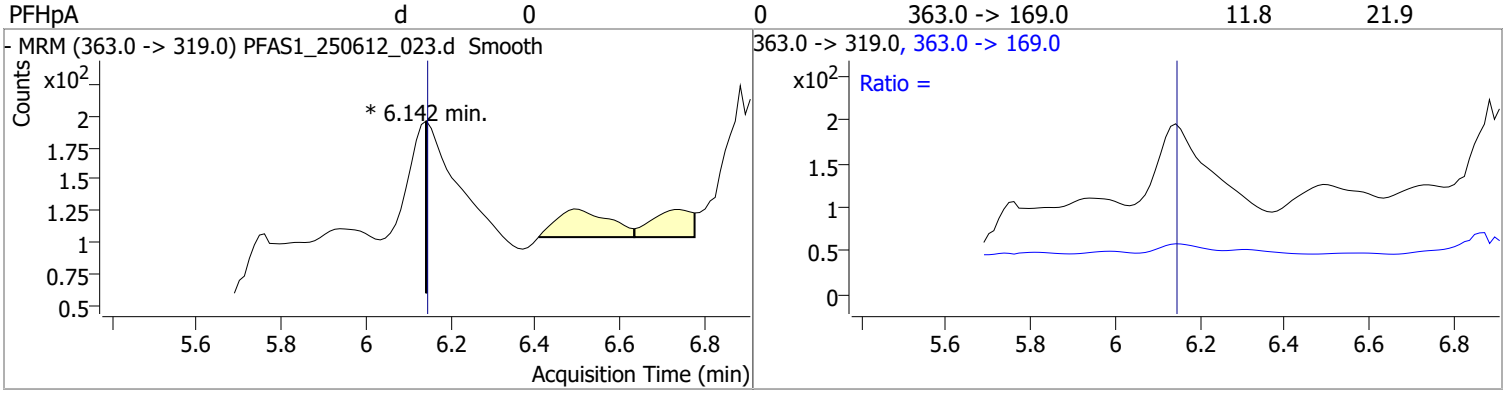
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.7316	6.12	-0.01	576	341.0 -> 217.0	102.0	63.6	118.1



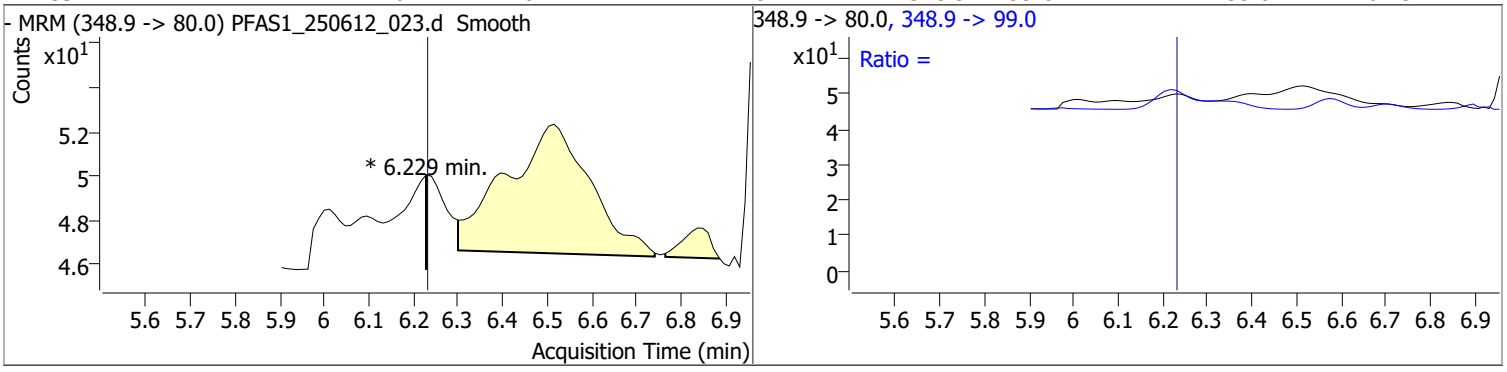
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5528	6.14	0.00	233249				



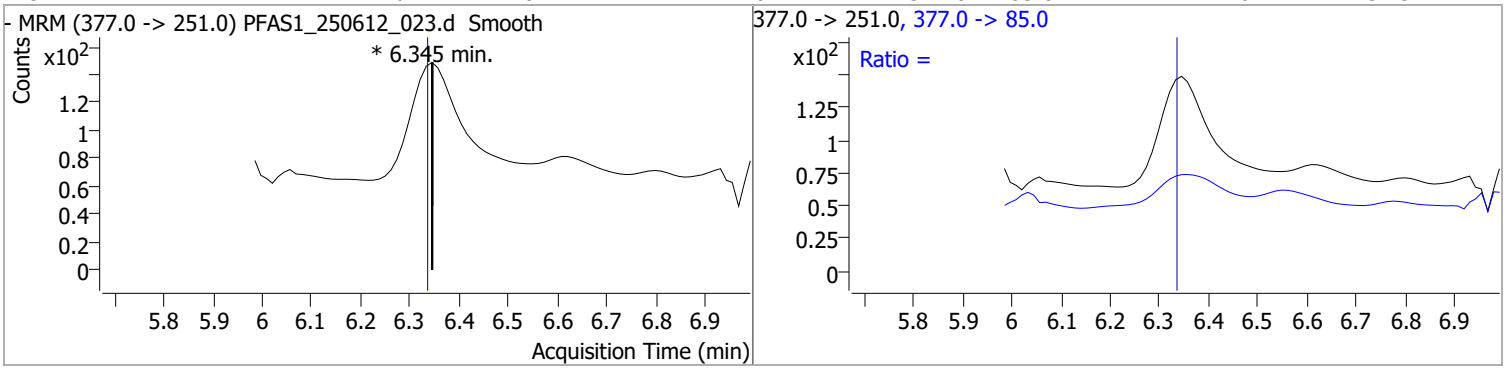
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



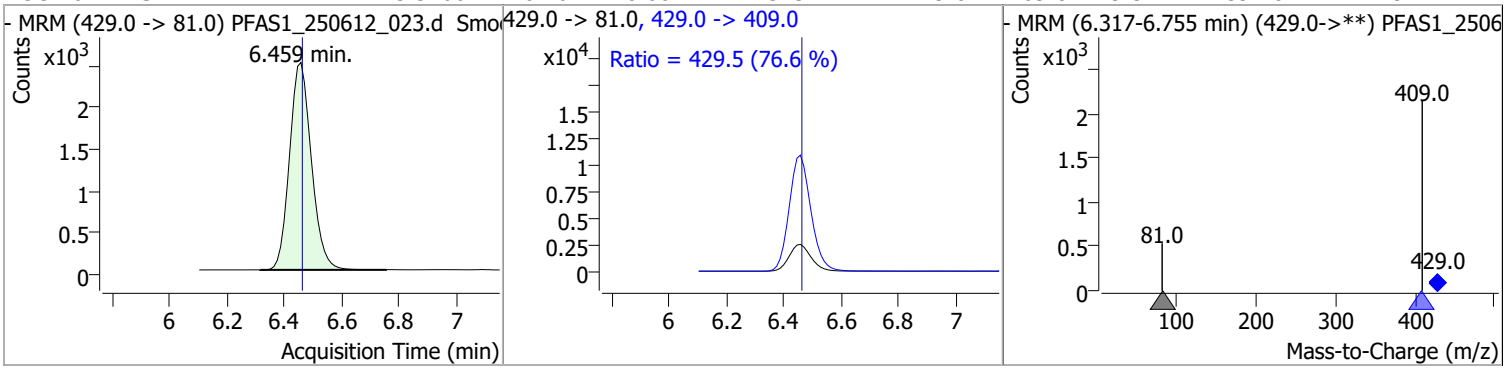
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



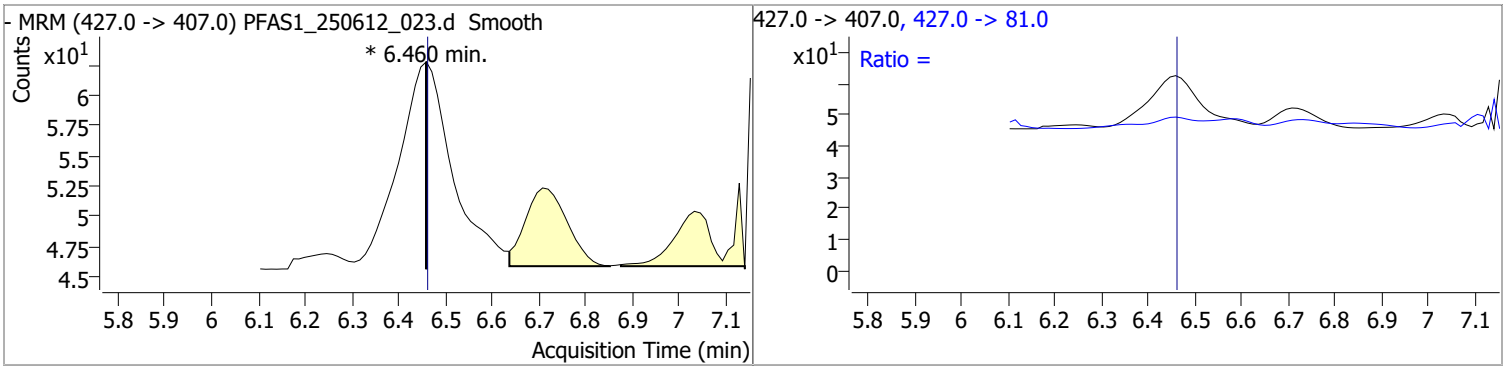
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



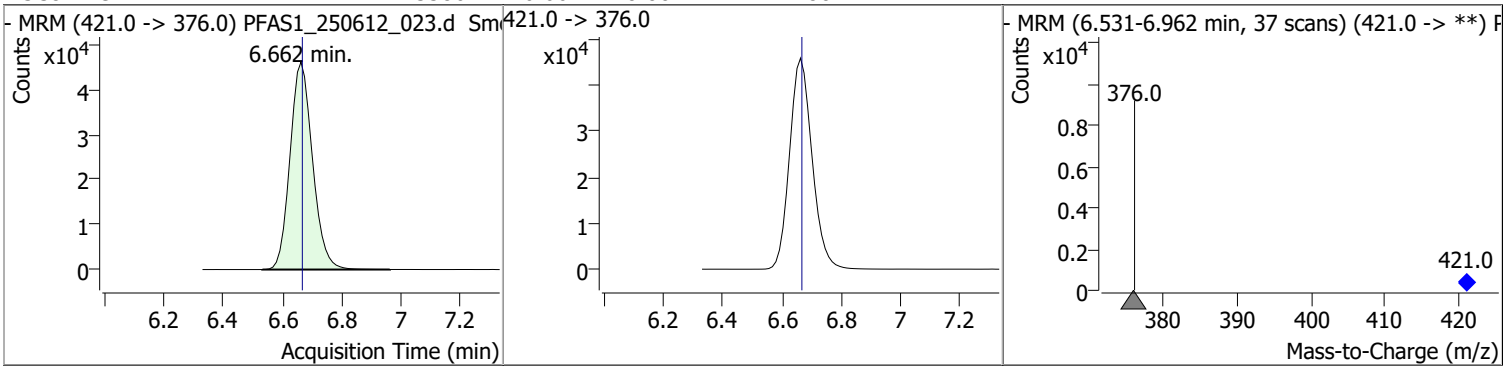
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5166	6.46	0.00	13231	429.0 -> 409.0	429.5	392.8	729.4



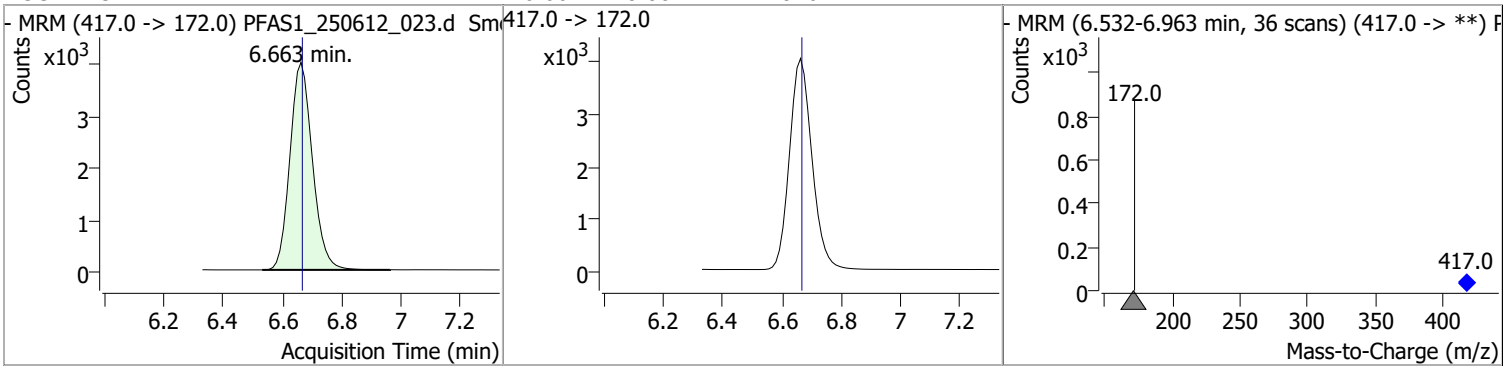
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



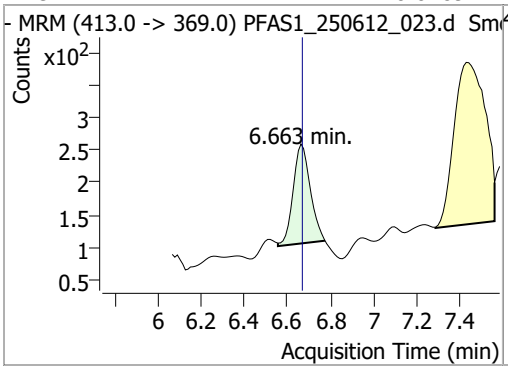
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5586	6.66	0.00	241480				

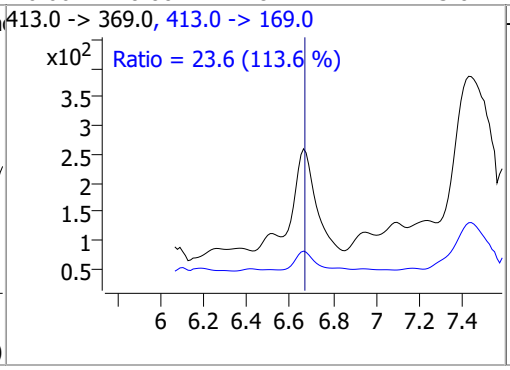


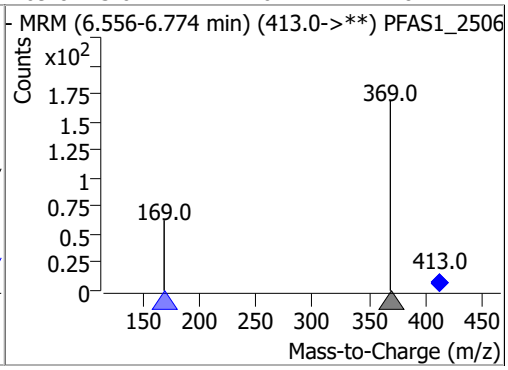
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21076				



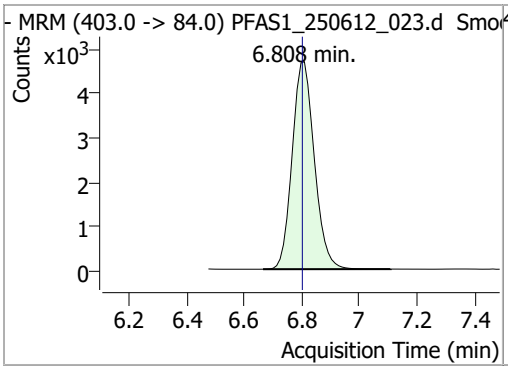
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0189	6.66	0.00	844	413.0 -> 169.0	23.6	14.6	27.0

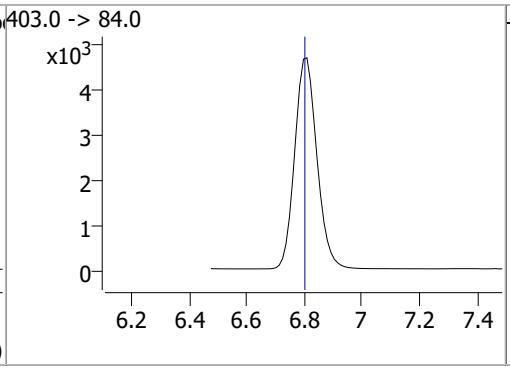


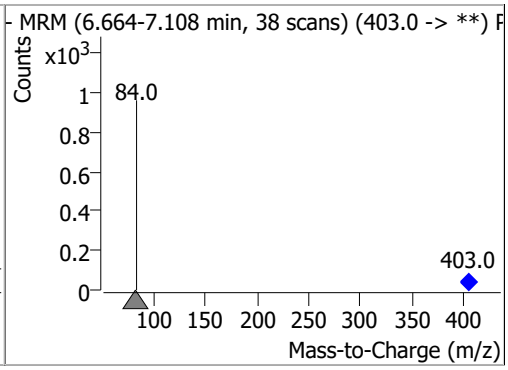




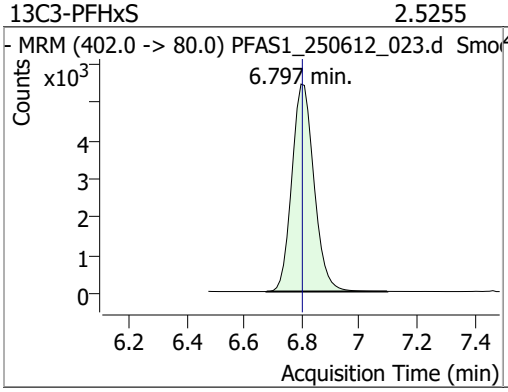
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	25087				

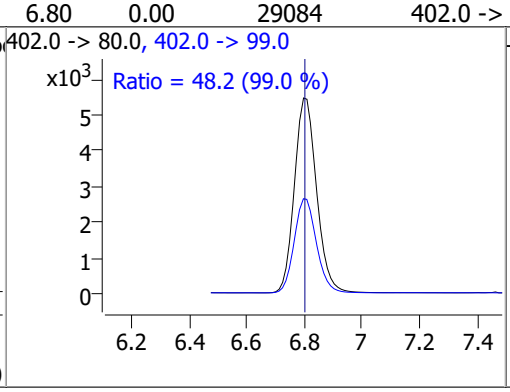


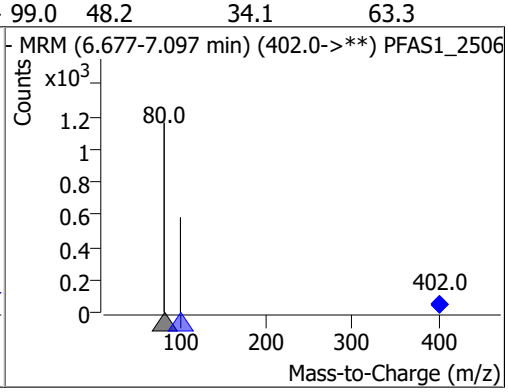




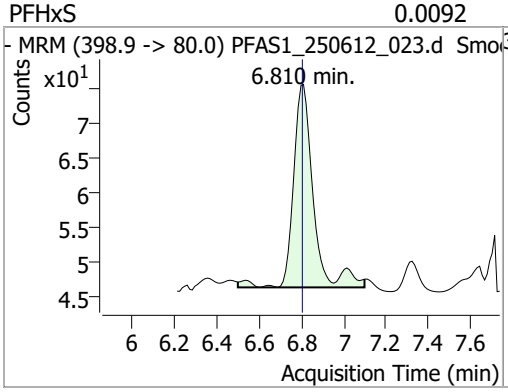
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5255	6.80	0.00	29084	402.0 -> 99.0	48.2	34.1	63.3

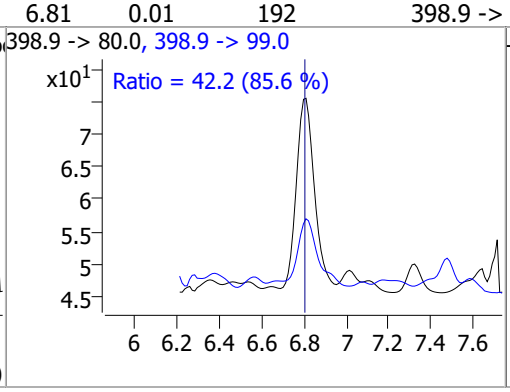


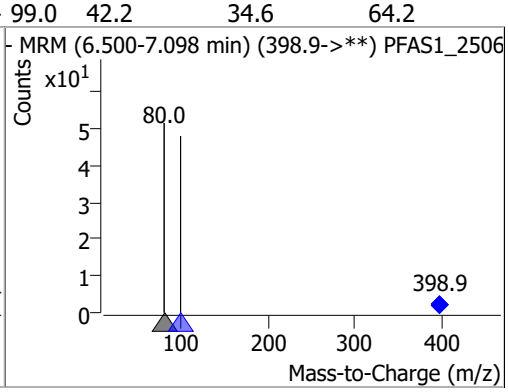




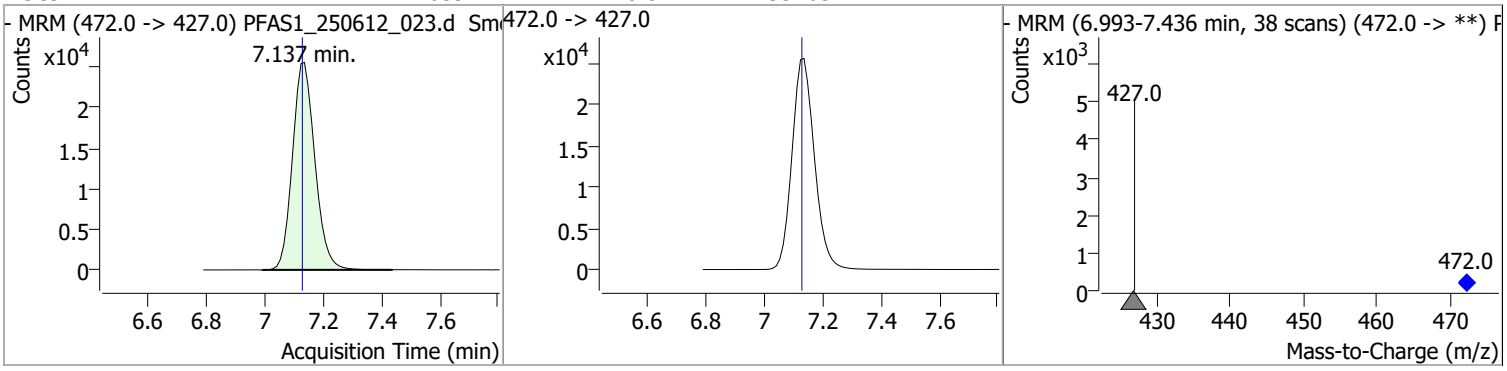
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0092	6.81	0.01	192	398.9 -> 99.0	42.2	34.6	64.2



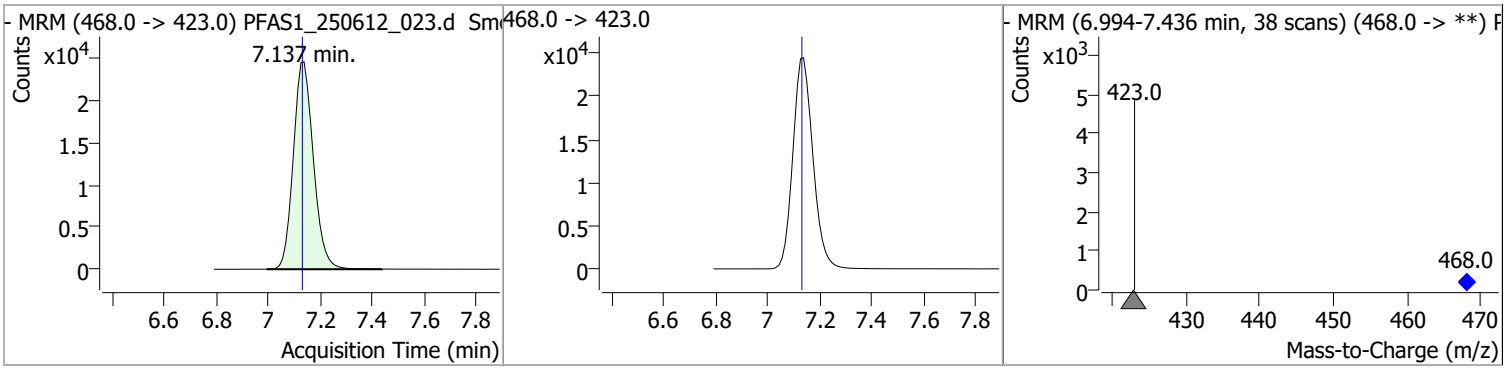




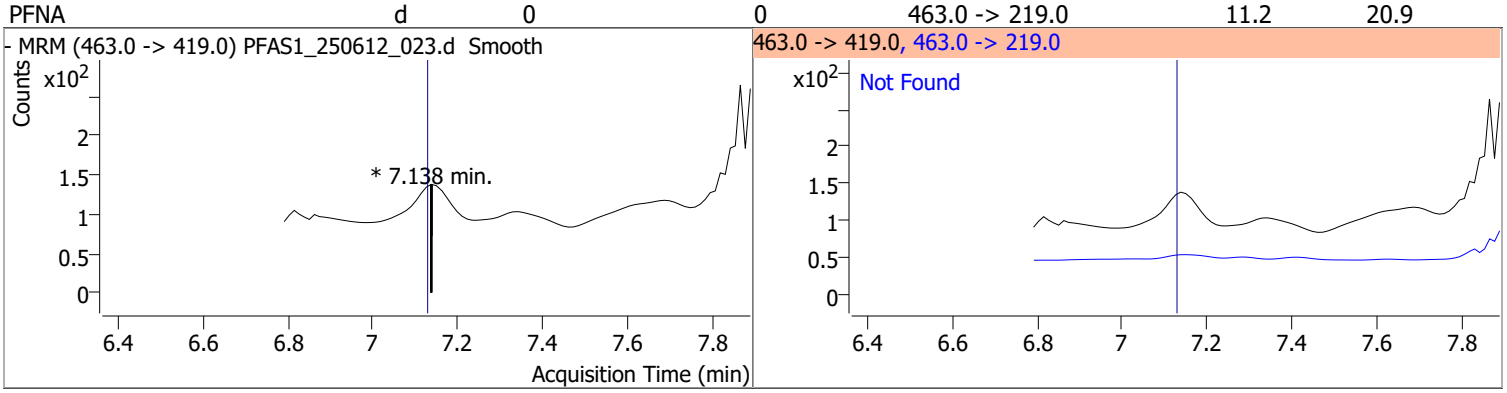
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2659	7.14	0.01	135763				



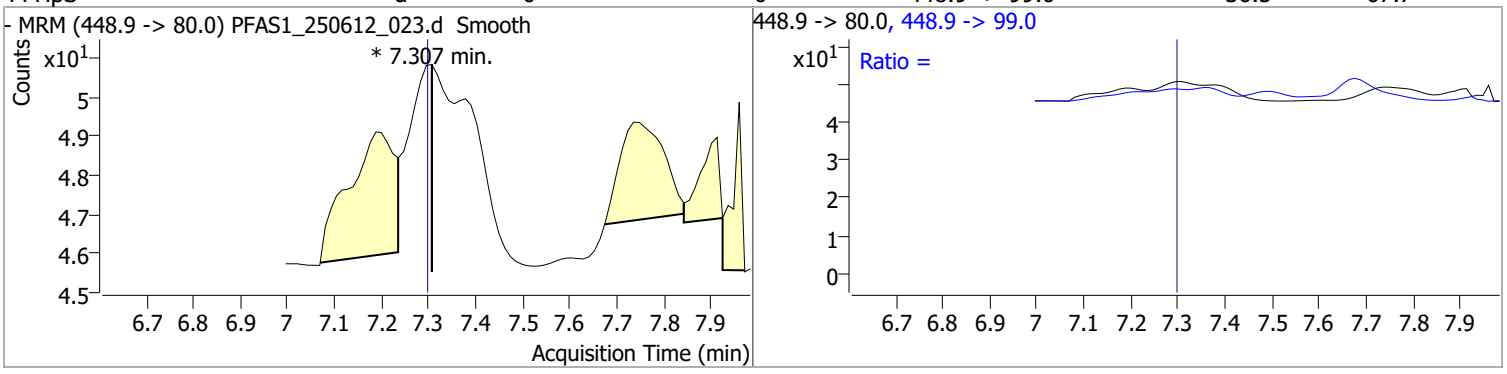
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.01	130789				



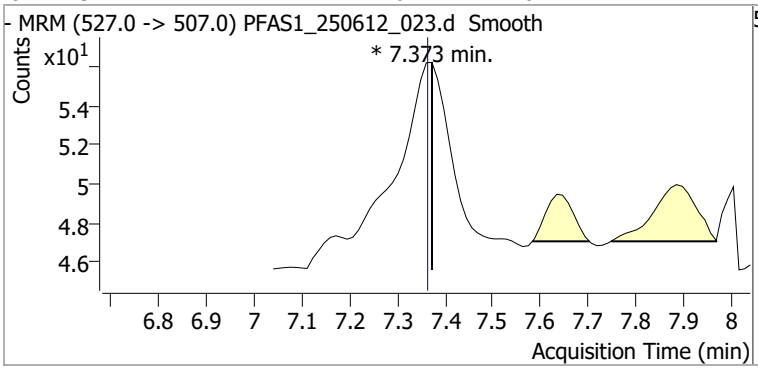
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

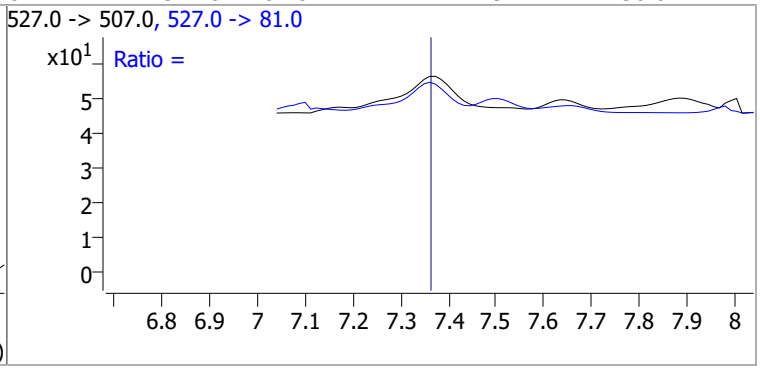


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

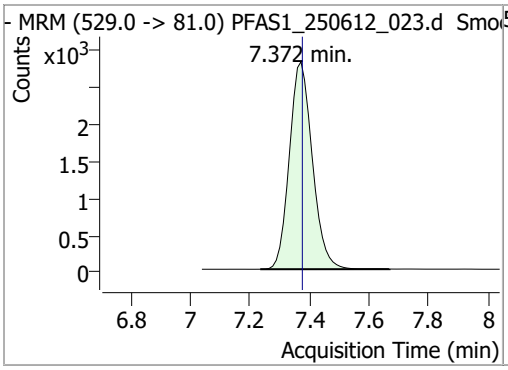


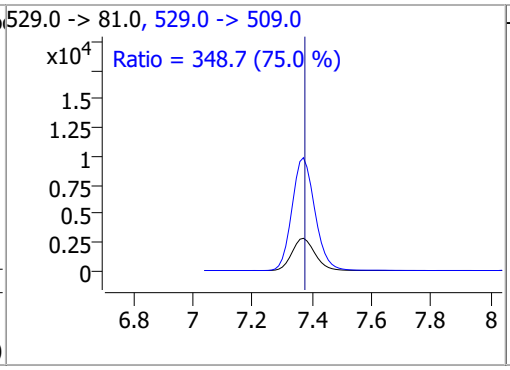
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

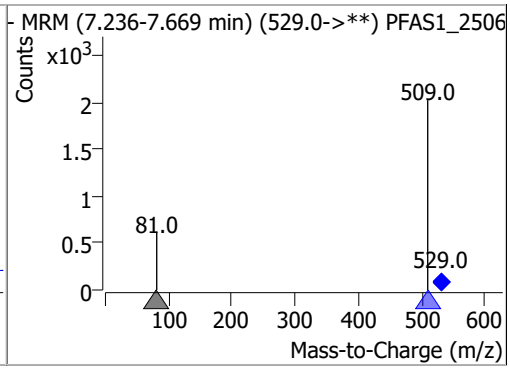




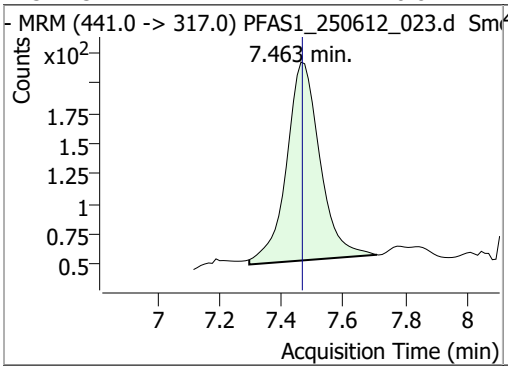
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.7083	7.37	0.00	14991	529.0 -> 509.0	348.7	325.6	604.6

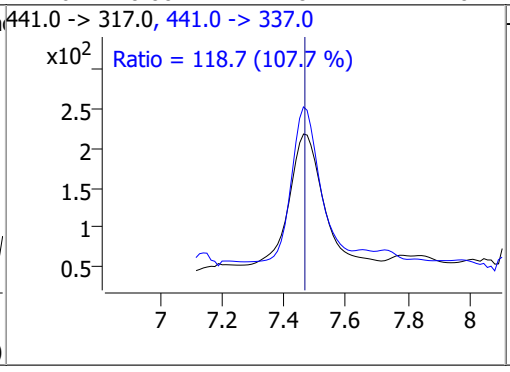


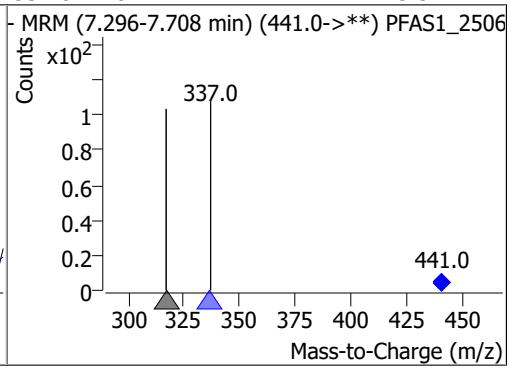




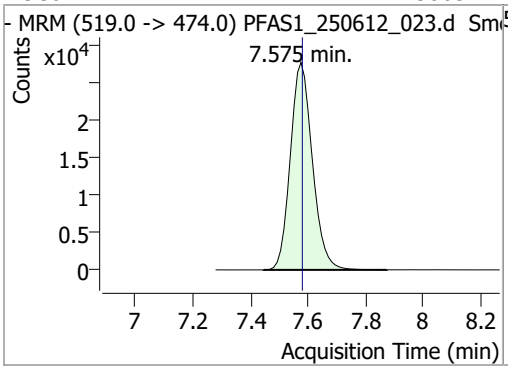
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.8127	7.46	0.00	1228	441.0 -> 337.0	118.7	77.1	143.3

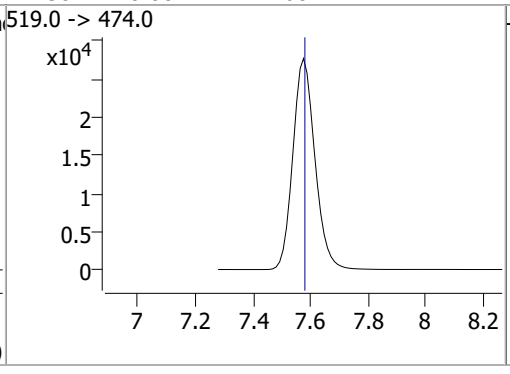


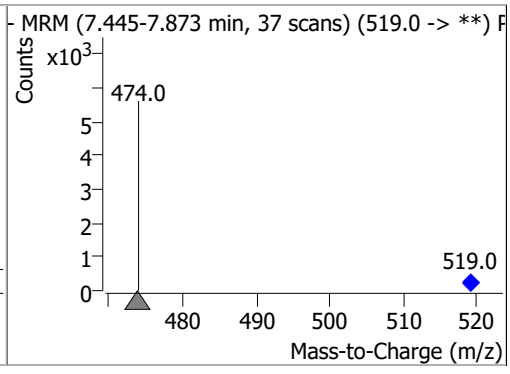




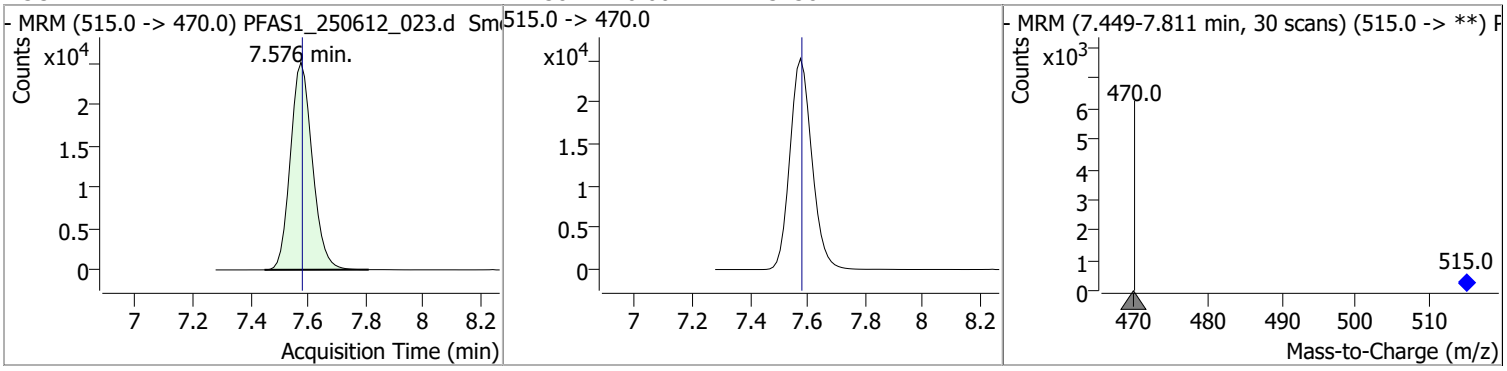
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3065	7.58	0.00	146877				



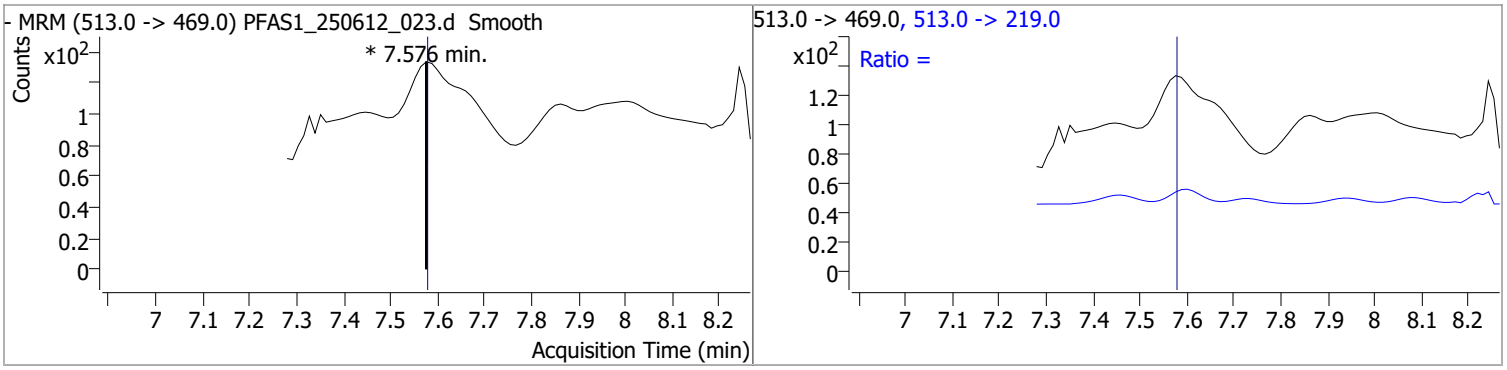




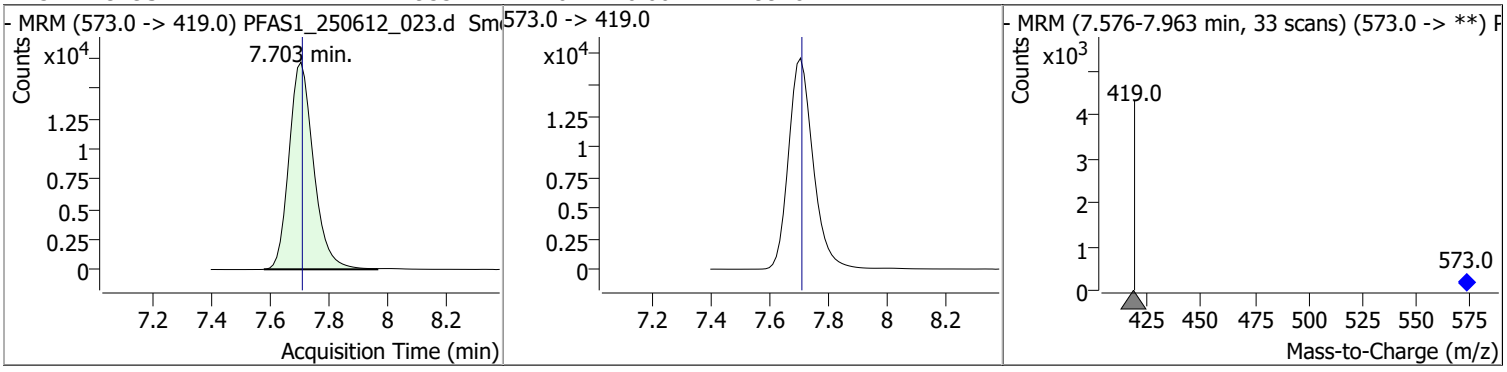
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	132381				



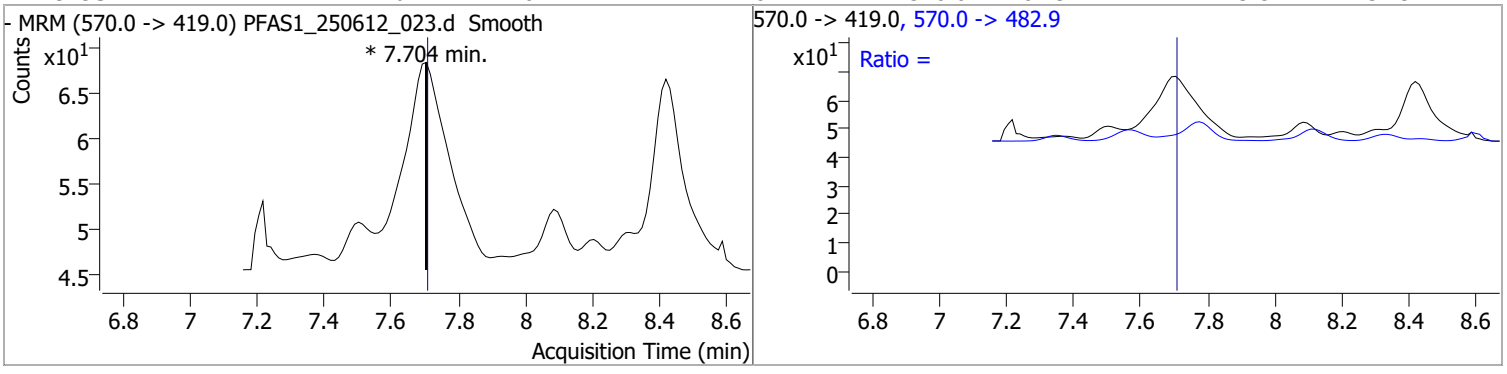
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



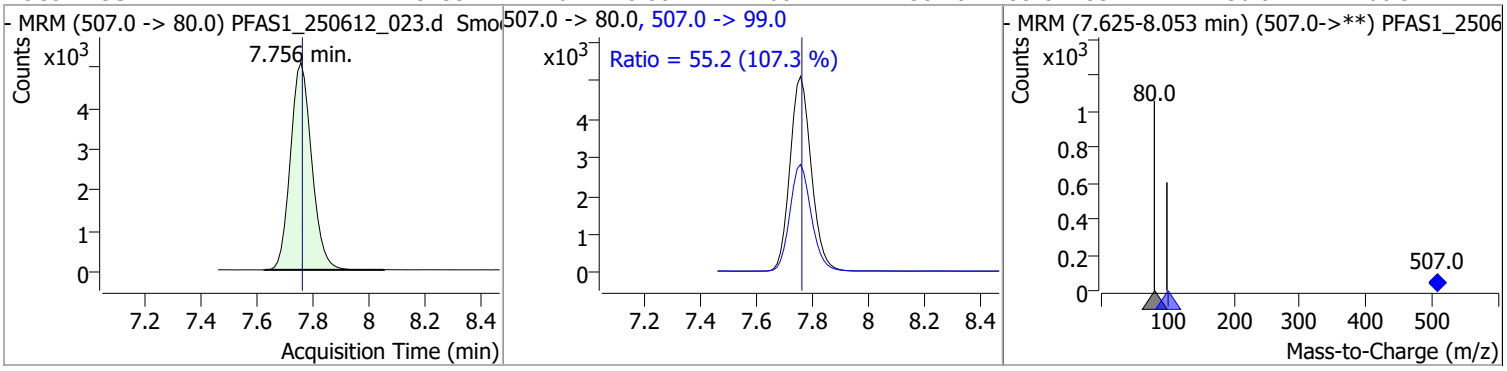
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9531	7.70	0.00	99282				



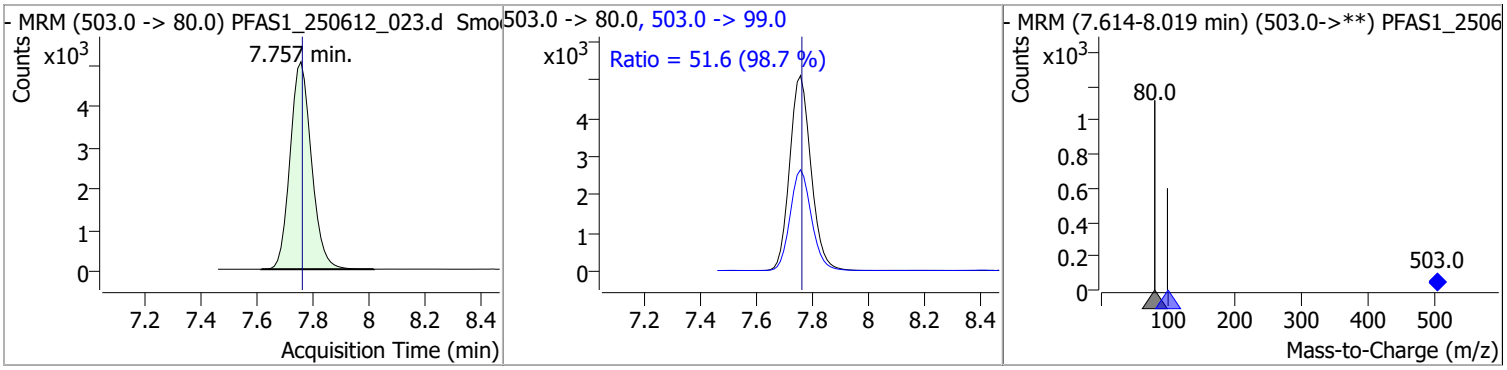
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



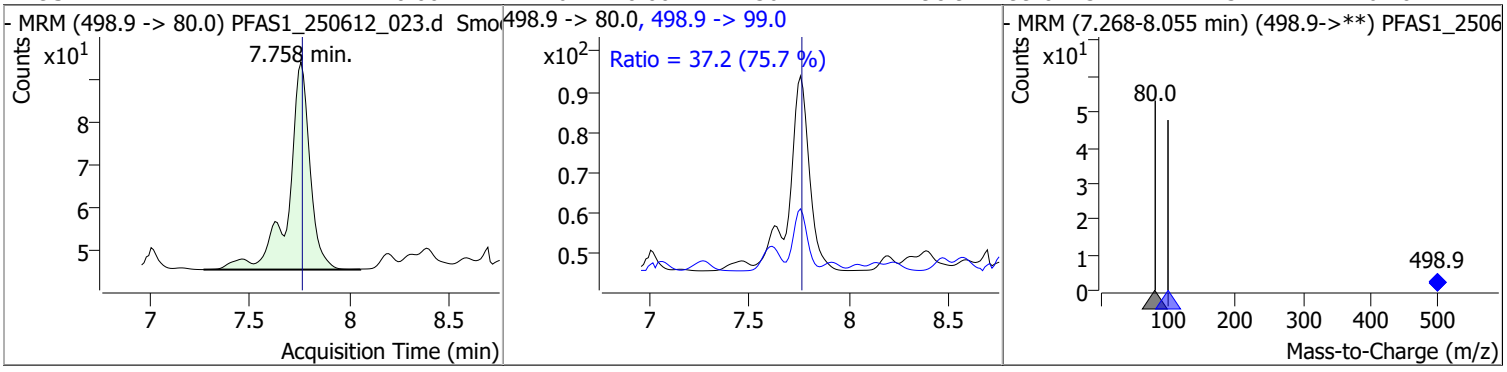
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5233	7.76	0.00	26844	507.0 -> 99.0	55.2	36.0	66.9



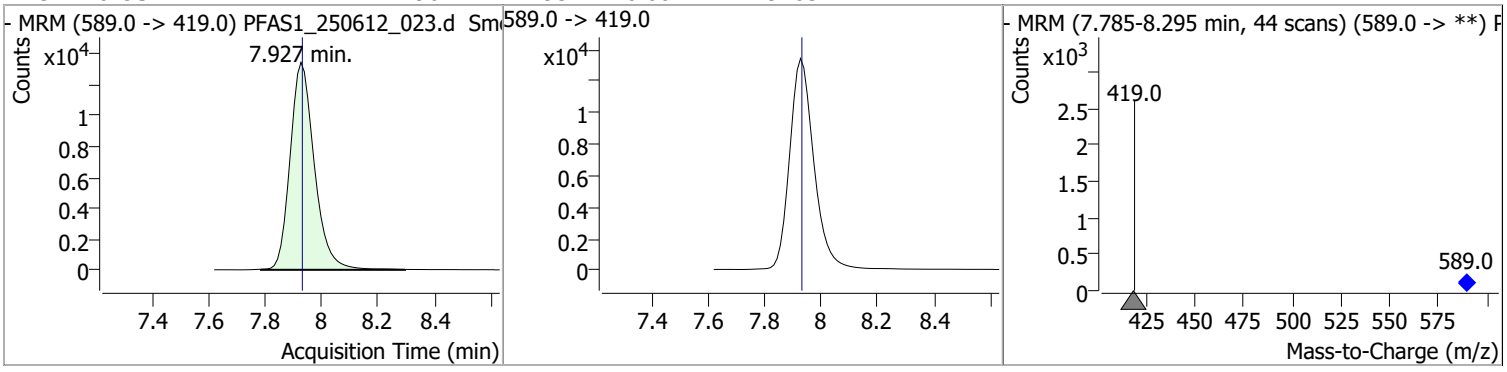
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26845	503.0 -> 99.0	51.6	36.6	67.9



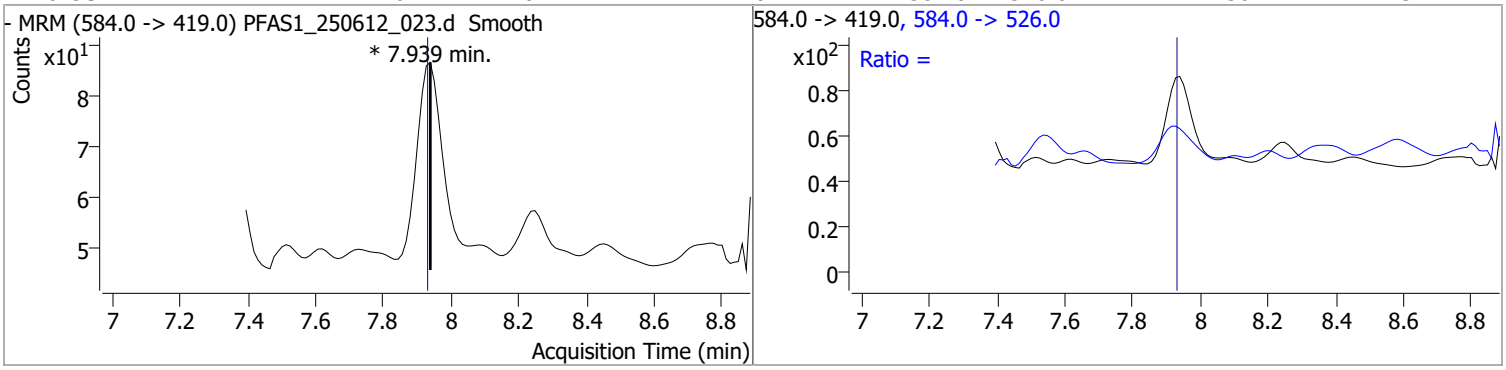
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0024	7.76	0.00	364	498.9 -> 99.0	37.2	34.4	64.0



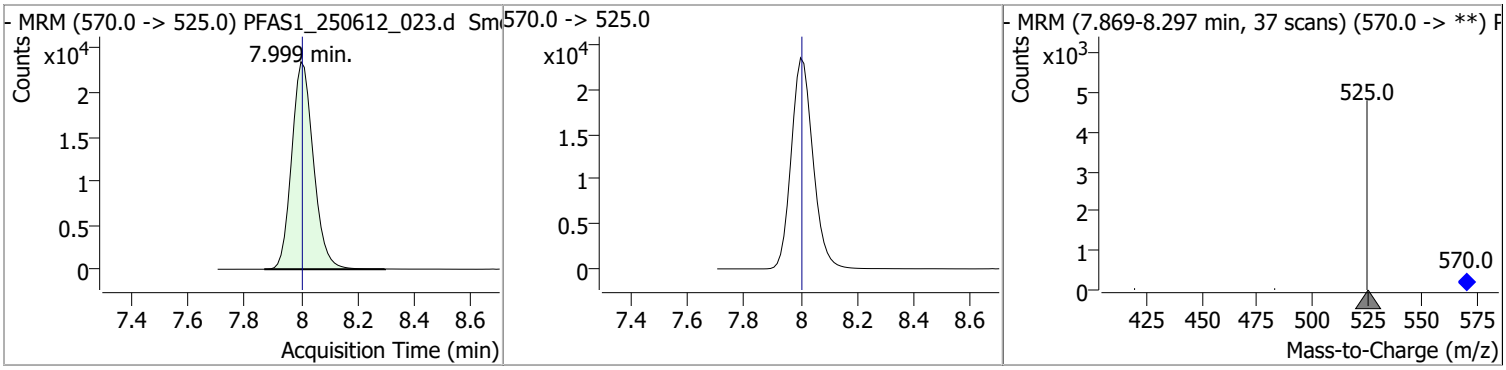
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9671	7.93	0.00	79783				



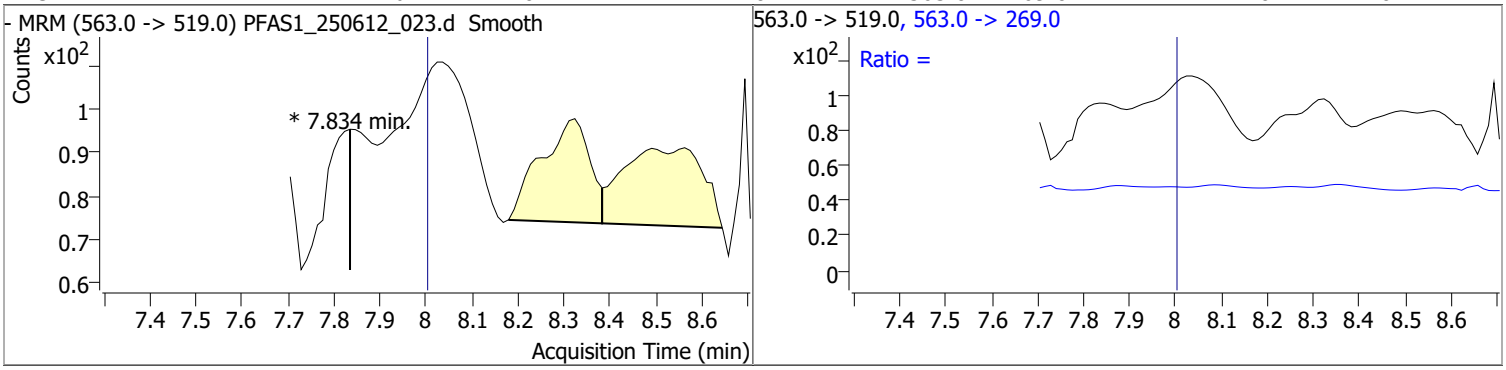
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



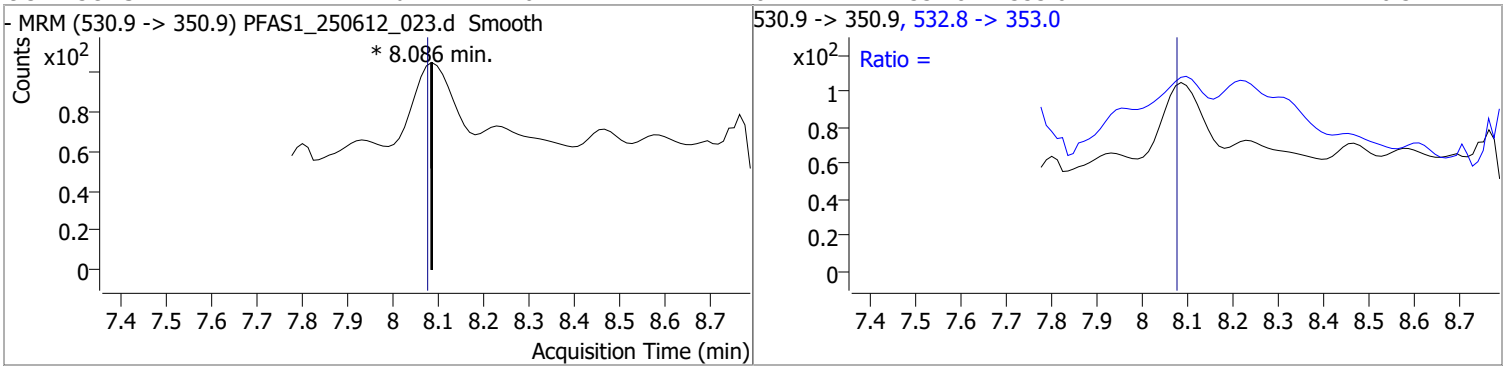
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2837	8.00	0.00	125300				



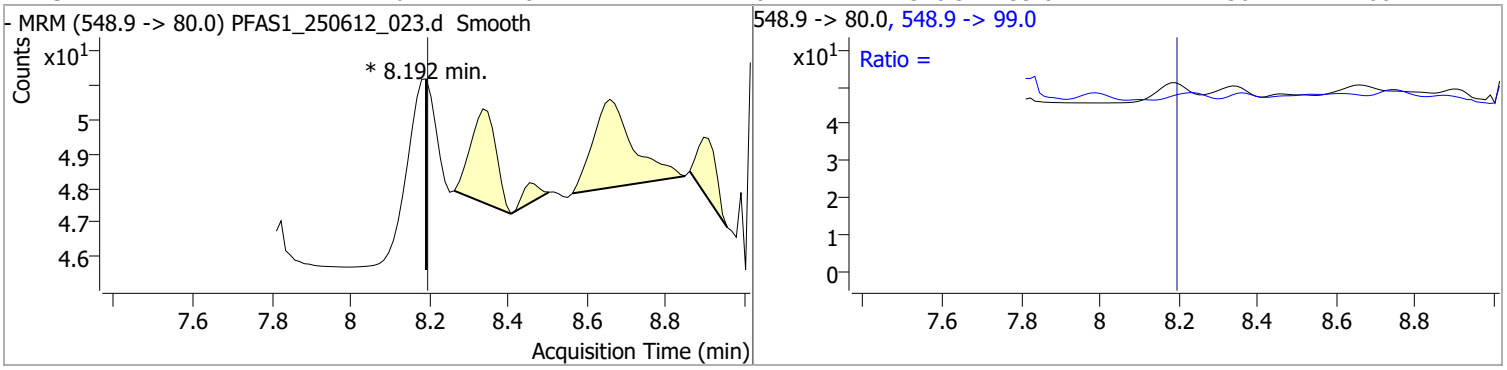
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



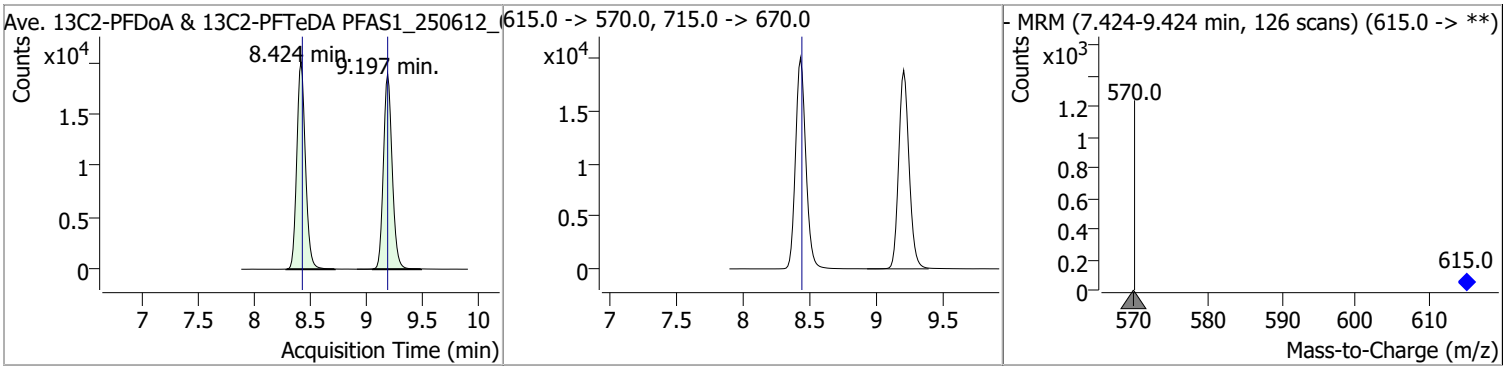
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



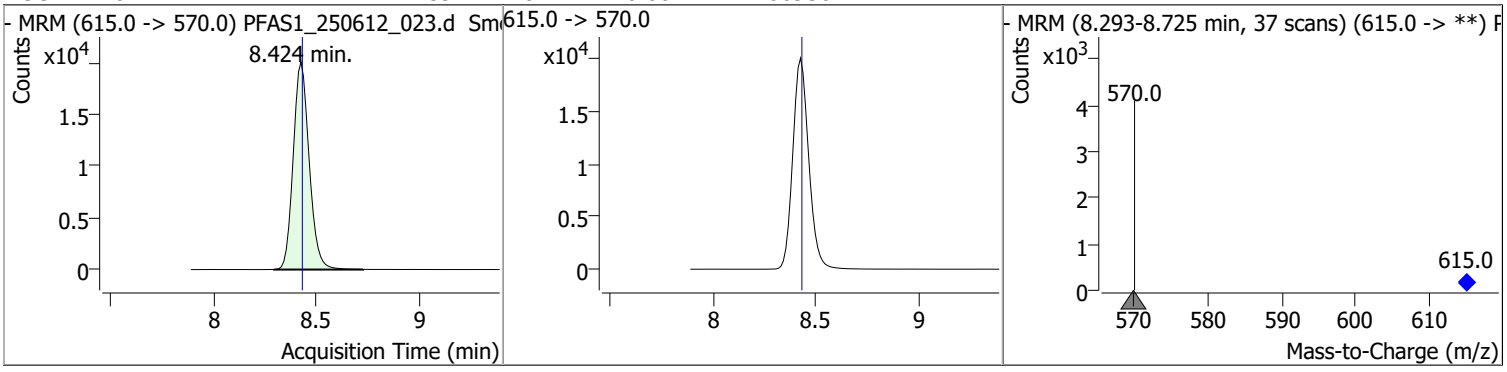
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



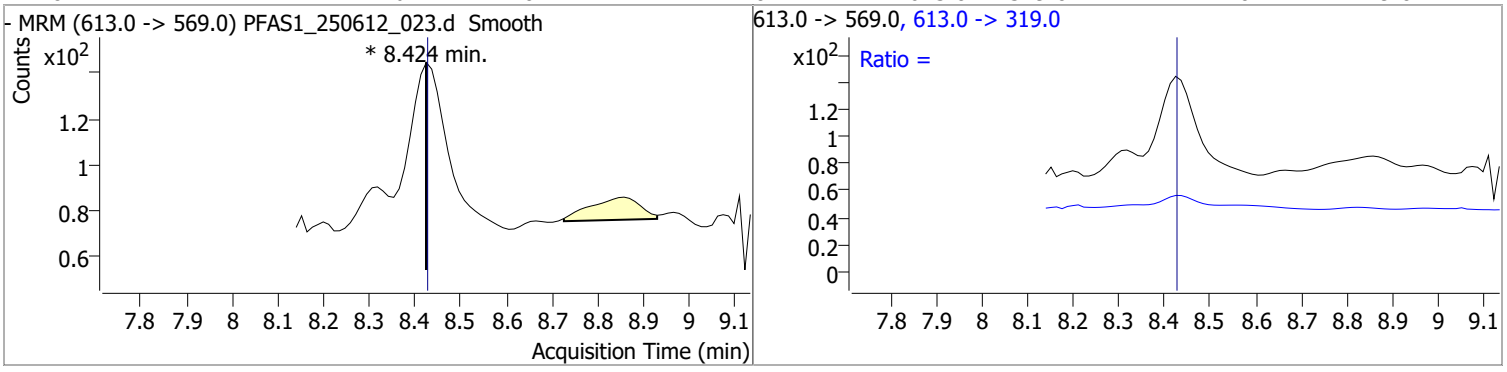
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2468	8.81	0.39	104558				



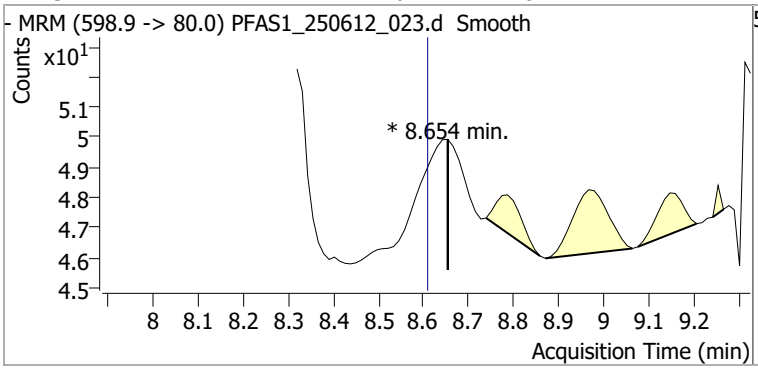
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2597	8.42	0.00	106958				

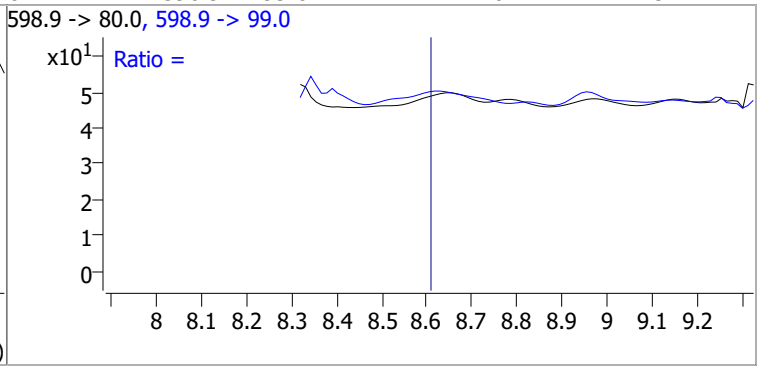


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

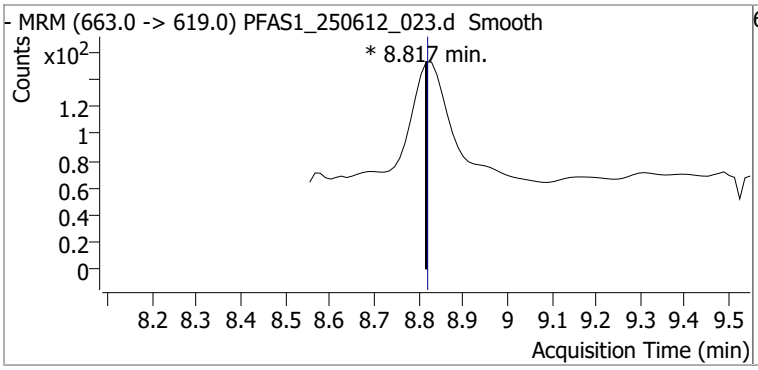


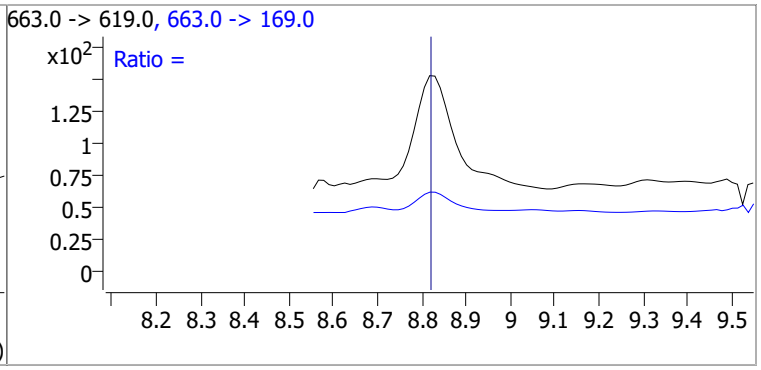
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



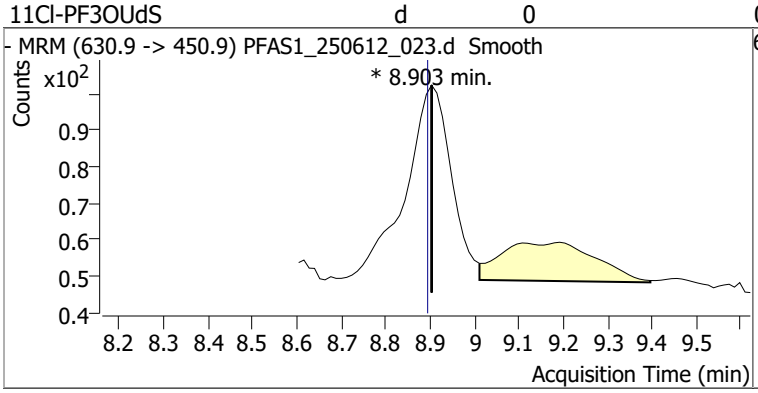


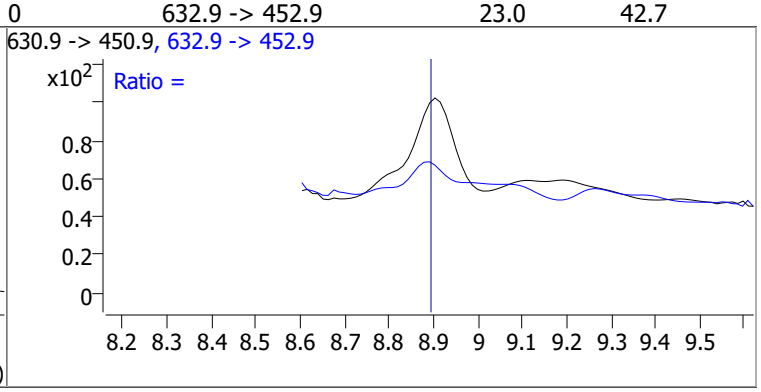
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



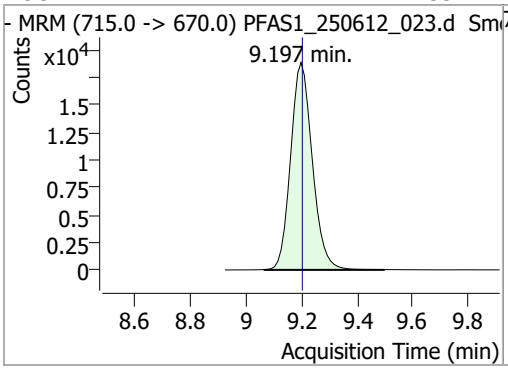


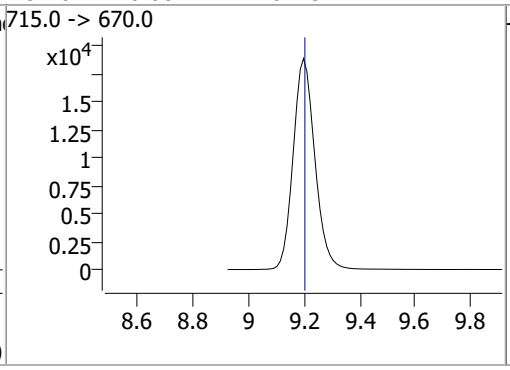
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

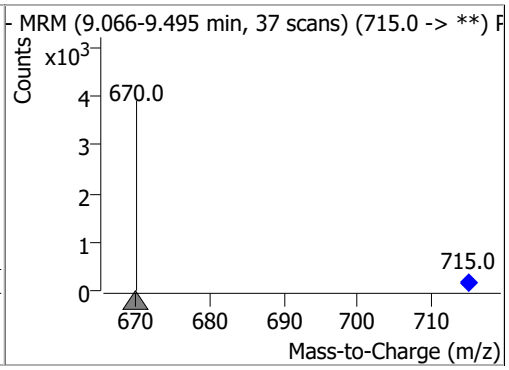




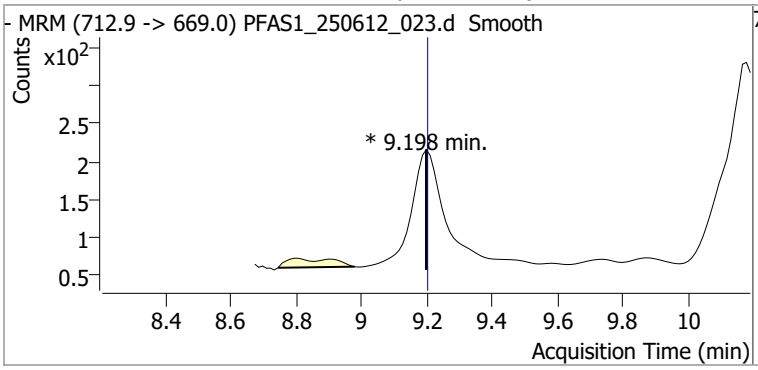
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2337	9.20	0.00	102157				

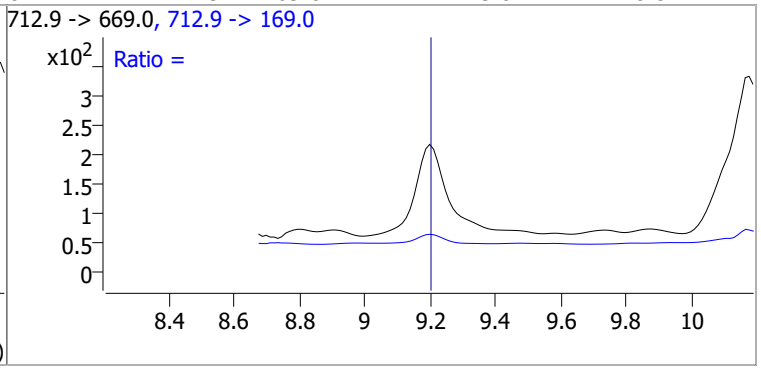




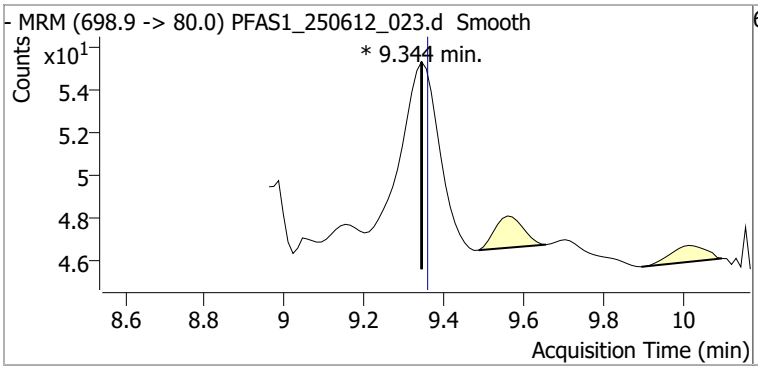


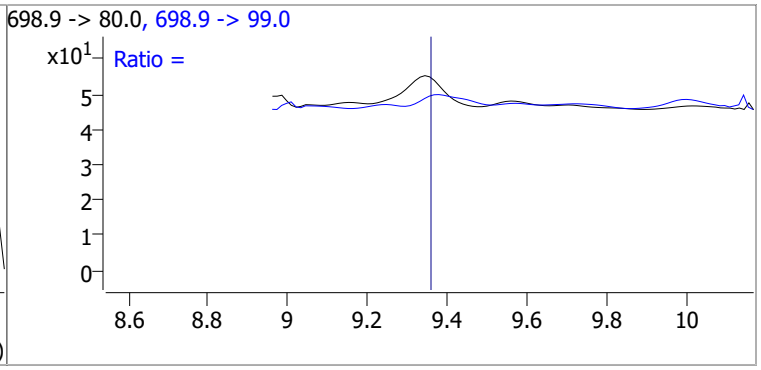
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



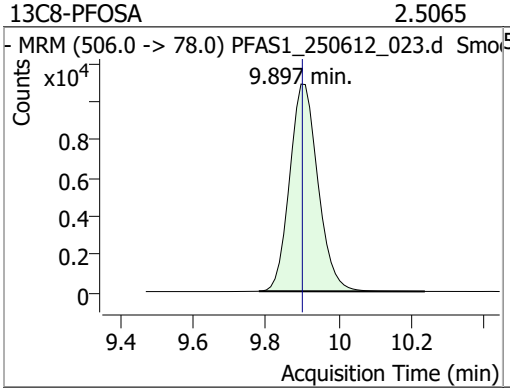


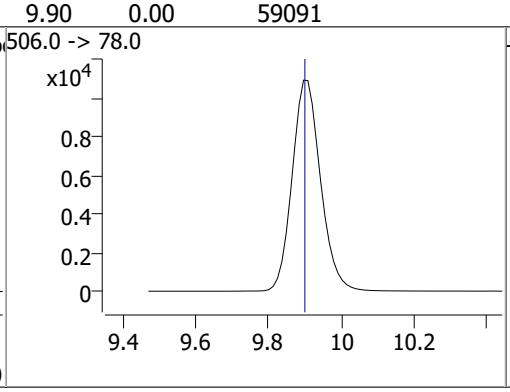
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

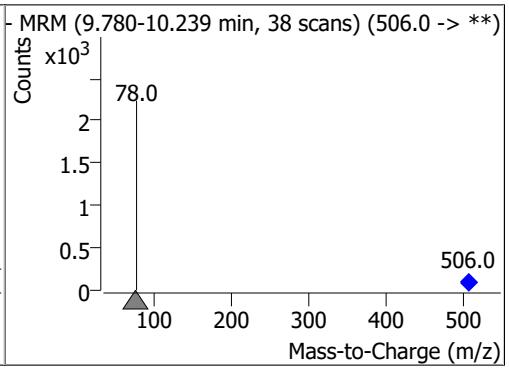




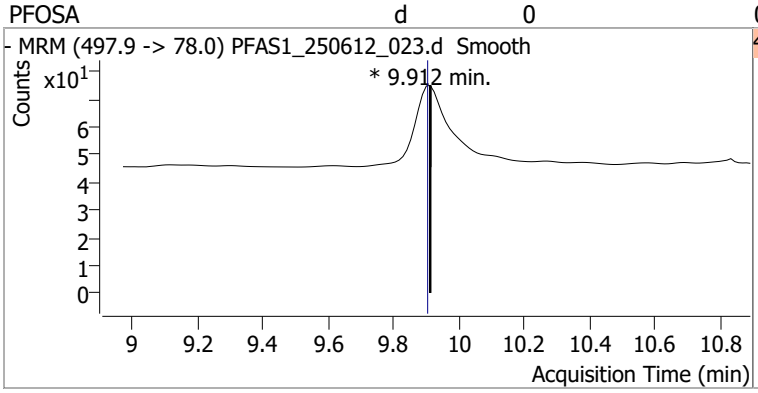
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5065	9.90	0.00	59091				

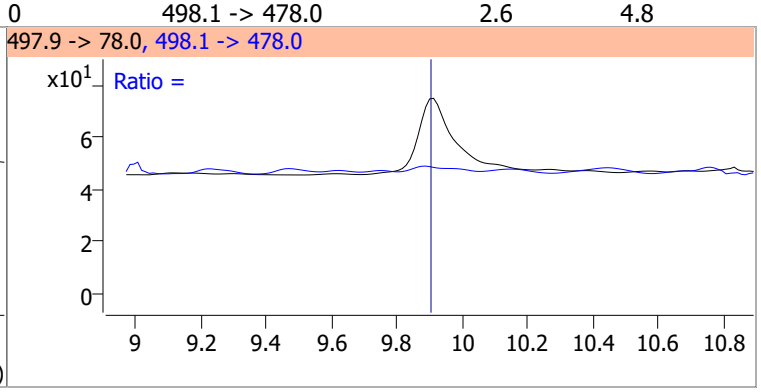




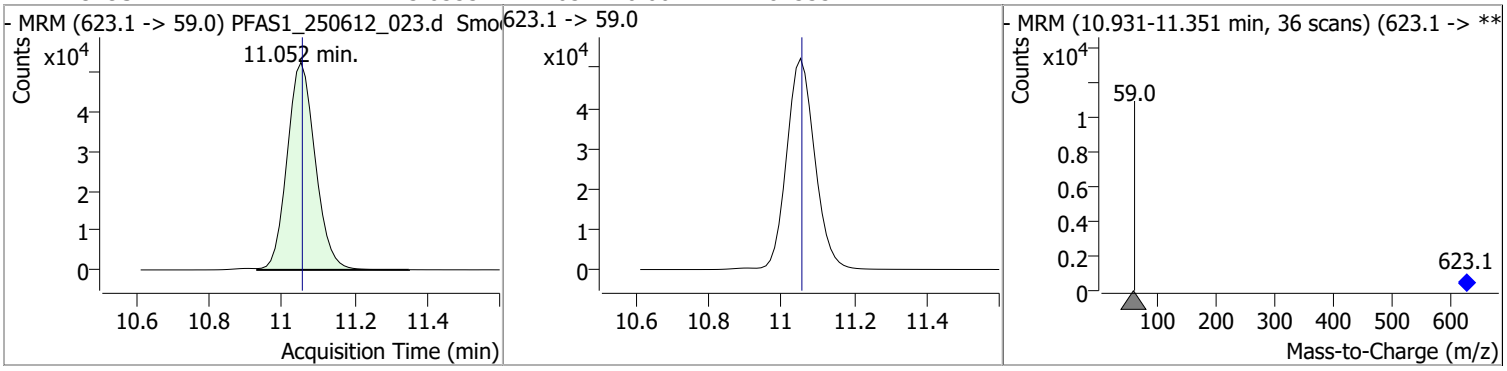


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

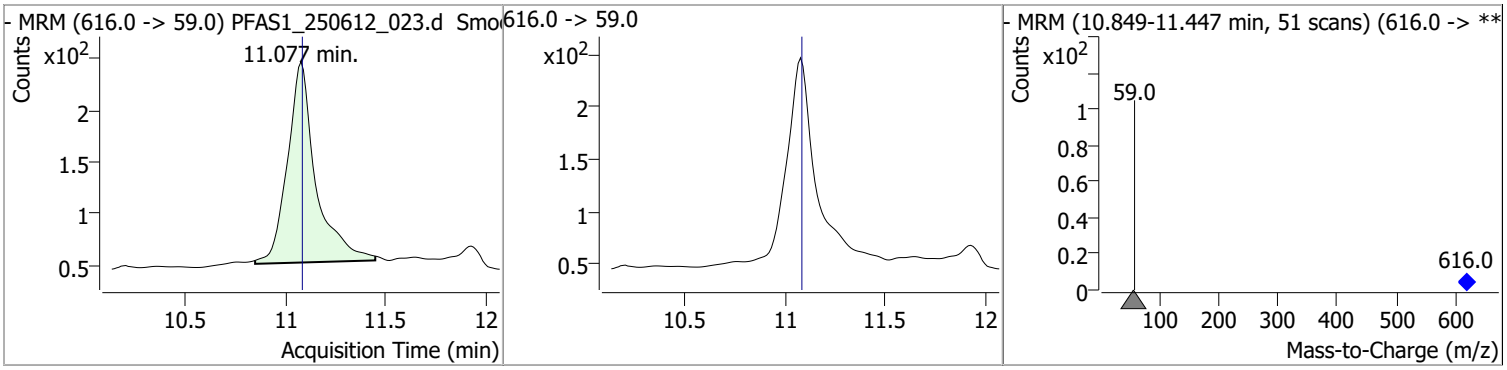




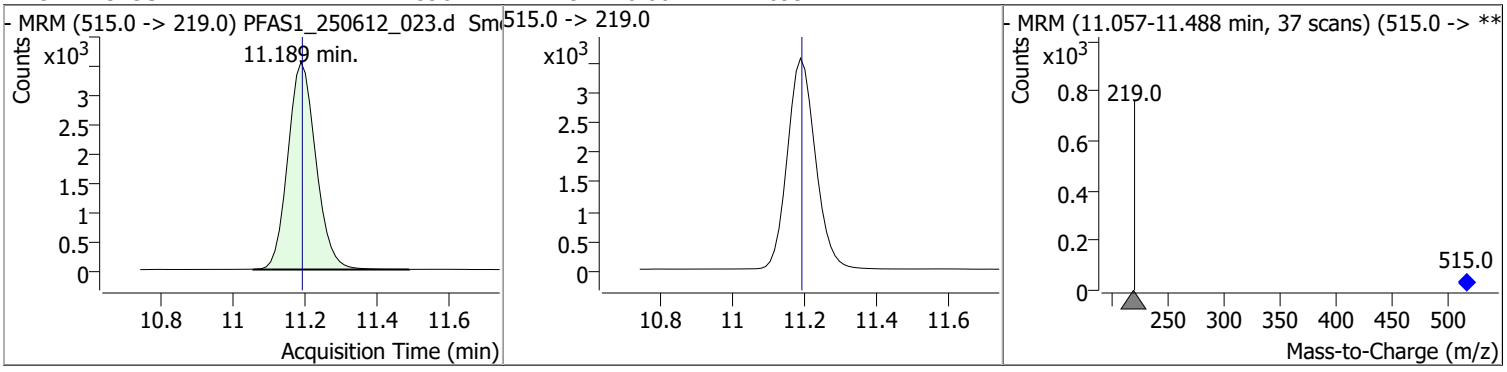
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.8353	11.05	0.00	281535				



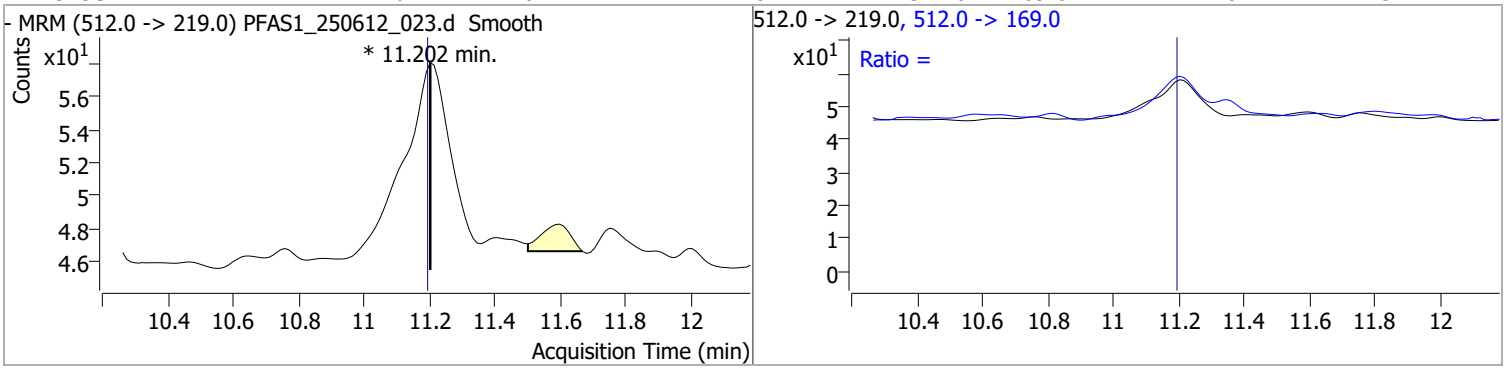
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1022	11.08	0.00	1911				



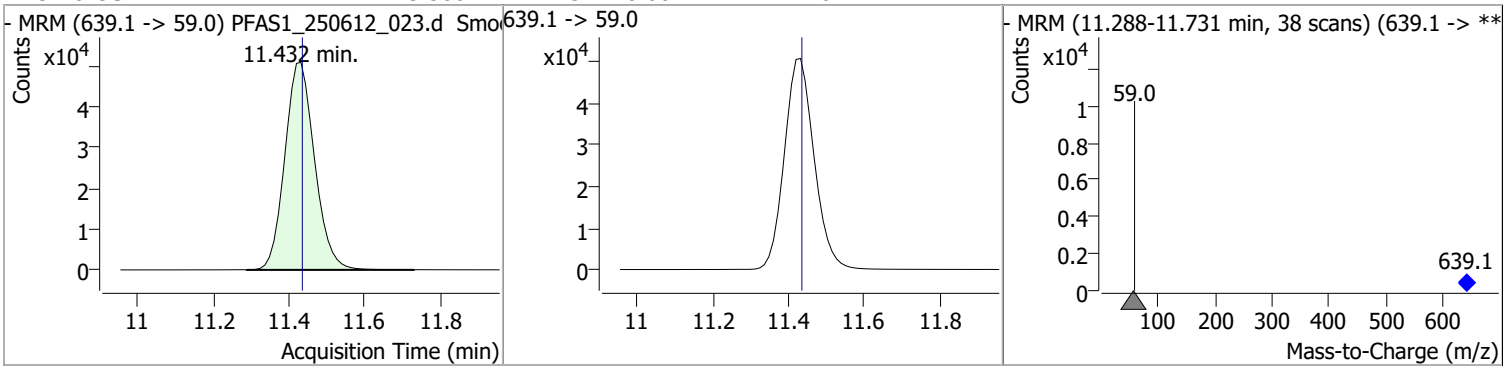
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3987	11.19	0.00	18991				



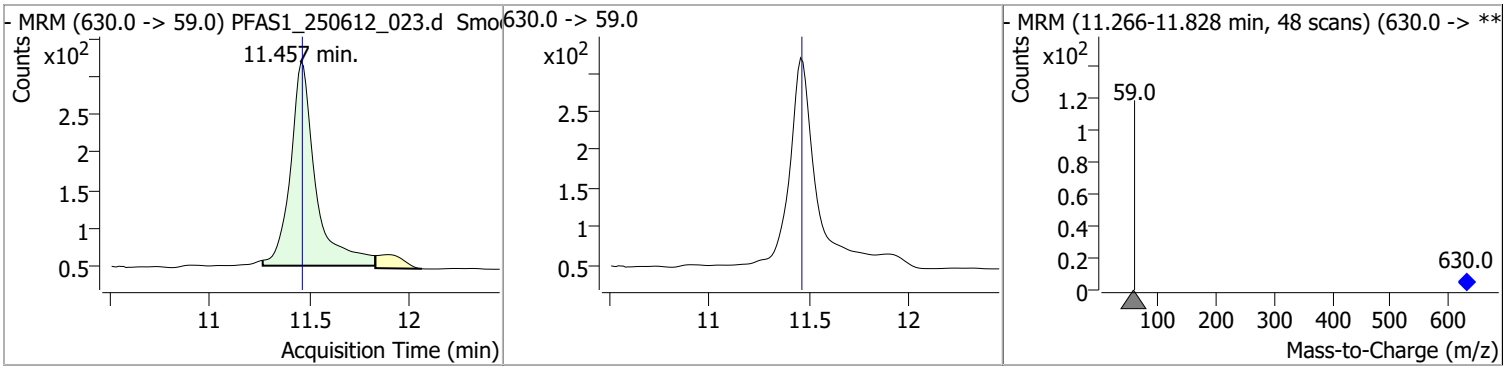
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



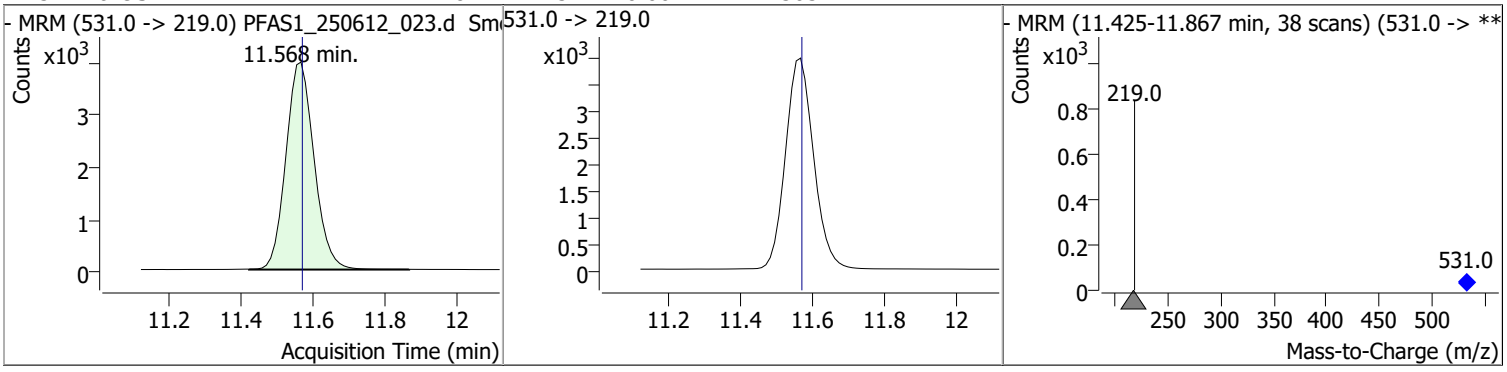
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.5087	11.43	0.00	277776				



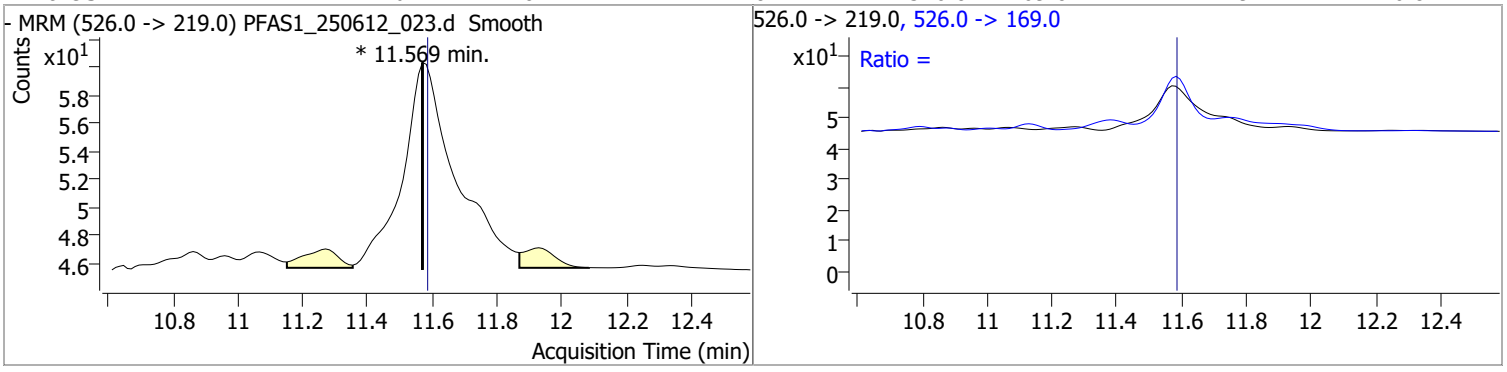
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0152	11.46	0.00	2359				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4718	11.57	0.00	21503				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_023.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 6:40:51 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

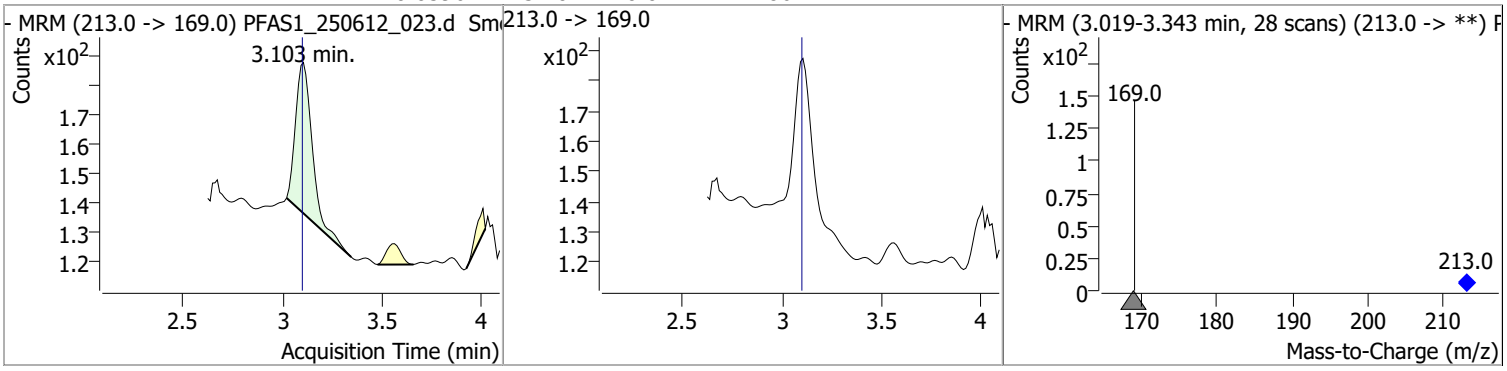
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	178675	5.0000	µg/L	12.959
13C2-PFHxA	5.479	315.0 -> 270.0	191347	2.5000	µg/L	7.092
18O2-PFHxS	6.808	403.0 -> 84.0	25087	2.5000	µg/L	6.753
13C4-PFOA	6.663	417.0 -> 172.0	21076	2.5000	µg/L	4.361
13C5-PFNA	7.137	468.0 -> 423.0	130789	1.2500	µg/L	9.284
13C2-PFDA	7.576	515.0 -> 470.0	132381	1.2500	µg/L	5.793
13C4-PFOS	7.757	503.0 -> 80.0	26845	2.5000	µg/L	7.528
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	413889	10.0000	µg/L	13.397
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.33%		
13C4-PFBA	3.095	217.0 -> 172.0	413889	10.0000	µg/L	13.397
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.33%		
13C5-PFPeA	4.594	268.0 -> 223.0	298719	5.0000	µg/L	10.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.44%		
13C5-PFPeA	4.594	268.0 -> 223.0	298719	5.0000	µg/L	10.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.44%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20113	5.0000	µg/L	24.812
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 117.53%		
13C5-PFHxA	5.478	318.0 -> 273.0	202368	2.5000	µg/L	9.983
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.68%		
13C5-PFHxA	5.478	318.0 -> 273.0	202368	2.5000	µg/L	9.983
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.68%		
13C3-PFBS	5.494	302.0 -> 80.0	49007	2.5000	µg/L	14.968
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 107.91%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	239196	10.0000	µg/L	7.808
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.63%		
13C4-PFHpA	6.142	367.0 -> 322.0	233249	2.5000	µg/L	9.405
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.11%		
13C3-PFHxS	6.797	402.0 -> 80.0	29084	2.5000	µg/L	7.794
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.02%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	13231	5.0000	µg/L	17.329
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 110.33%		
13C8-PFOA	6.662	421.0 -> 376.0	241480	2.5000	µg/L	6.899
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.35%		
13C3-PFHxS	6.797	402.0 -> 80.0	29084	2.5000	µg/L	7.794
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.02%		
13C9-PFNA	7.137	472.0 -> 427.0	135763	1.2500	µg/L	10.645
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.27%		
13C8-PFOS	7.756	507.0 -> 80.0	26844	2.5000	µg/L	8.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.93%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14991	5.0000	µg/L	21.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.17%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14991	5.0000	µg/L	21.799
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.17%		
13C6-PFDA	7.575	519.0 -> 474.0	146877	1.2500	µg/L	10.514

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.52%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	99282	5.0000	µg/L		6.823
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.06%			
13C8-PFOS	7.756	507.0 -> 80.0	26844	2.5000	µg/L		8.485
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.93%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79783	5.0000	µg/L		7.033
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.34%			
13C7-PFUnDA	7.999	570.0 -> 525.0	125300	1.2500	µg/L		8.613
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 102.70%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	104558	1.2500	µg/L		5.610
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.75%			
13C2-PFDoDA	8.424	615.0 -> 570.0	106958	1.2500	µg/L		6.691
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.77%			
13C2-PFTDA	9.197	715.0 -> 670.0	102157	1.2500	µg/L		4.501
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.69%			
13C8-PFOSA	9.897	506.0 -> 78.0	59091	2.5000	µg/L		8.038
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.26%			
2H7-MeFOSE	11.052	623.1 -> 59.0	281535	25.0000	µg/L		2.485
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.34%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18991	2.5000	µg/L		3.475
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.95%			
2H9-EtFOSE	11.432	639.1 -> 59.0	277776	25.0000	µg/L		1.092
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.03%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21503	2.5000	µg/L		6.467
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.87%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	286	0.0596	µg/L		100
PFMPA	3.794	229.0 -> 85.0	50	0.0386	µg/L		100
3-3 FTCA	4.018	241.0 -> 177.0	19	0.0512	µg/L	#	40
PFPeA	4.596	263.0 -> 219.0	703	0.0422	µg/L		100
PFMBA	4.910	279.0 -> 85.0	339	0.0521	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	107	0.0130	µg/L	#	79
NFDHA	5.390	295.0 -> 201.0	12	0.0000	µg/L	#	1
PFHxA	5.480	313.0 -> 269.0	363	0.0111	µg/L		89
PFBS	5.507	298.9 -> 80.0	34	0.0000	µg/L		35
HFPO-DA	5.724	285.0 -> 169.0	115	0.0137	µg/L	#	58
PFEESA	5.860	314.9 -> 135.0	245	0.0000	µg/L	#	1
5-3 FTCA	6.120	341.0 -> 237.0	576	0.7316	µg/L		88
PFHpA	6.142	363.0 -> 319.0	1297	0.0329	µg/L	#	80
PFPeS	6.229	348.9 -> 80.0	12	0.0154	µg/L	#	1
DONA	6.345	377.0 -> 251.0	529	0.0476	µg/L	#	77
6-2 FTSA	6.460	427.0 -> 407.0	134	0.0000	µg/L	#	75
PFOA	6.663	413.0 -> 369.0	844	0.0189	µg/L		94
PFHxS	6.810	398.9 -> 80.0	192	0.0092	µg/L		90
PFNA	7.138	463.0 -> 419.0	155	0.0134	µg/L		62
PFHpS	7.307	448.9 -> 80.0	42	0.0023	µg/L	#	15
8-2 FTSA	7.373	527.0 -> 507.0	78	0.0222	µg/L	#	6
7-3 FTCA	7.463	441.0 -> 317.0	1228	0.8127	µg/L		92
PFDA	7.576	513.0 -> 469.0	218	0.0191	µg/L	#	79
N-MeFOSAA	7.704	570.0 -> 419.0	221	0.0097	µg/L		80
PFOS	7.758	498.9 -> 80.0	364	0.0024	µg/L		82
N-EtFOSAA	7.939	584.0 -> 419.0	237	0.0252	µg/L	#	75
PFUnDA	7.834	563.0 -> 519.0	35	0.0113	µg/L	#	1
9Cl-PF3ONS	8.086	530.9 -> 350.9	298	0.0048	µg/L	#	1

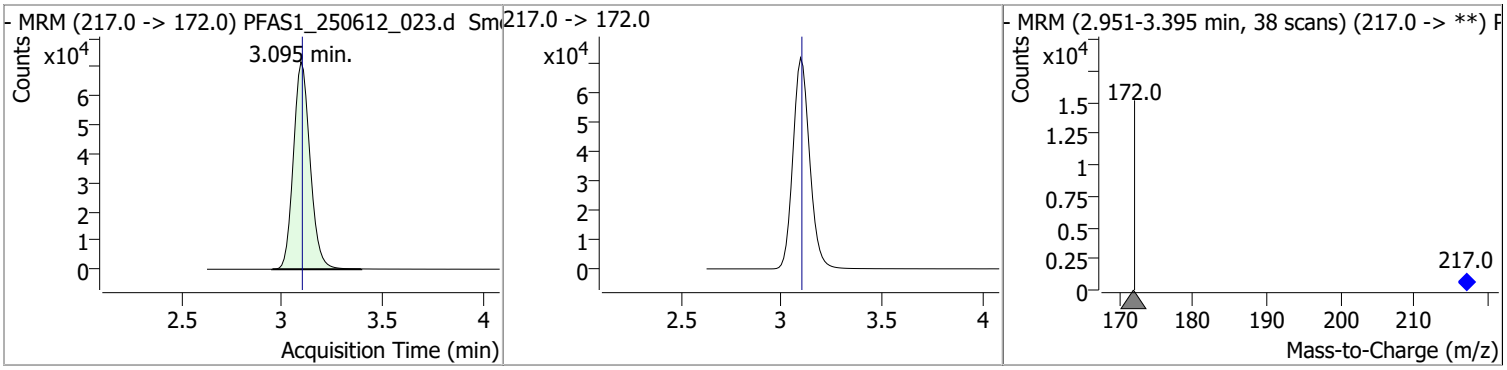
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	21	0.0000	µg/L		86
PFDoDA	8.424	613.0 -> 569.0	459	0.0107	µg/L		98
PFDS	8.654	598.9 -> 80.0	20	0.0180	µg/L	#	1
PFTrDA	8.817	663.0 -> 619.0	510	0.0215	µg/L	#	89
11Cl-PF3OUdS	8.903	630.9 -> 450.9	380	0.0173	µg/L	#	64
PFTDA	9.198	712.9 -> 669.0	1105	0.0285	µg/L		97
PFDoS	9.344	698.9 -> 80.0	53	0.0279	µg/L	#	75
PFOSA	9.912	497.9 -> 78.0	221	0.0149	µg/L	#	93
MeFOSE	11.077	616.0 -> 59.0	1911	0.1022	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	116	0.0171	µg/L		90
EtFOSE	11.457	630.0 -> 59.0	2359	0.0152	µg/L		100
N-EtFOSA	11.569	526.0 -> 219.0	167	0.0375	µg/L	#	65

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

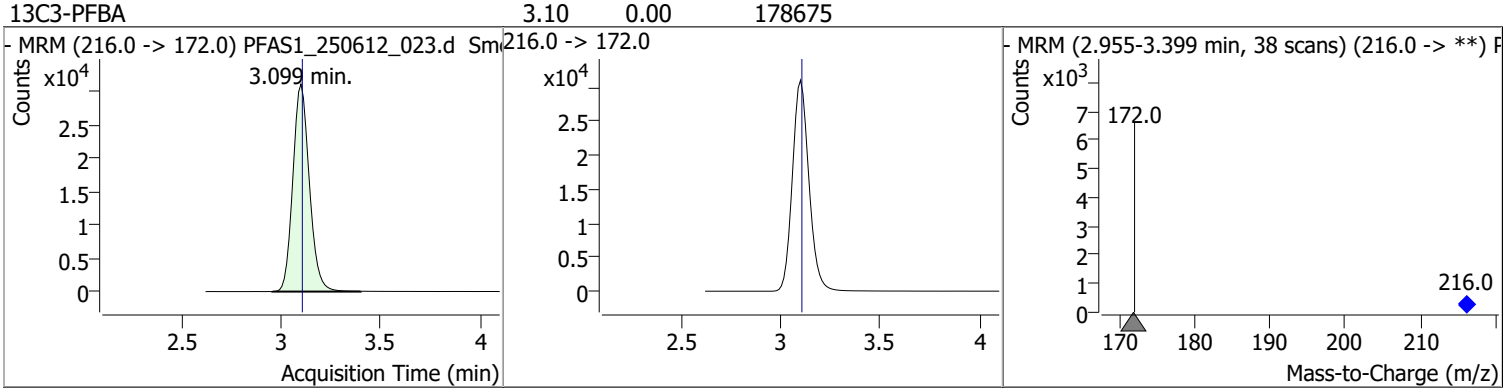
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0596	3.10	0.01	286				



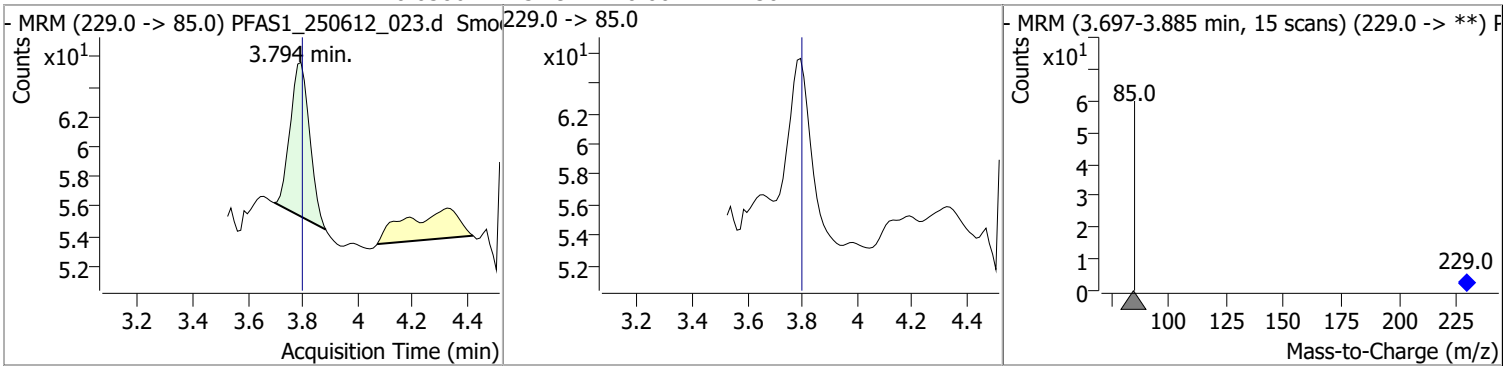
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0330	3.09	0.00	413889				



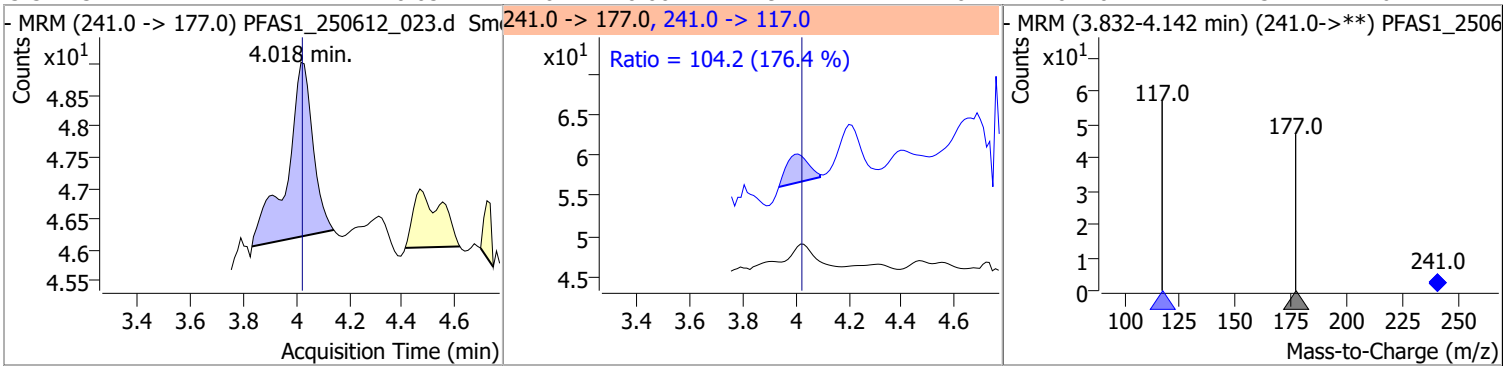
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	178675				



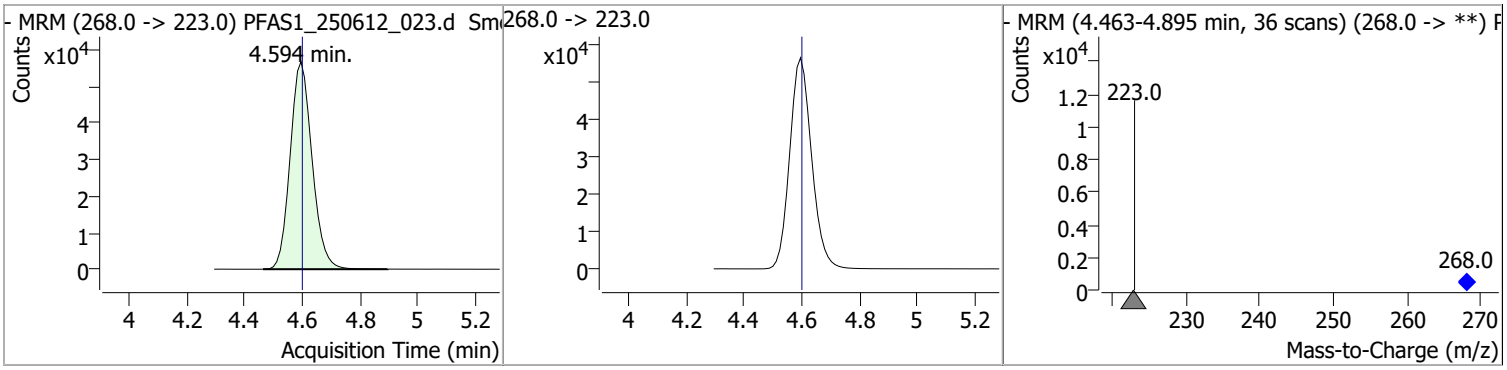
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0386	3.79	0.00	50				



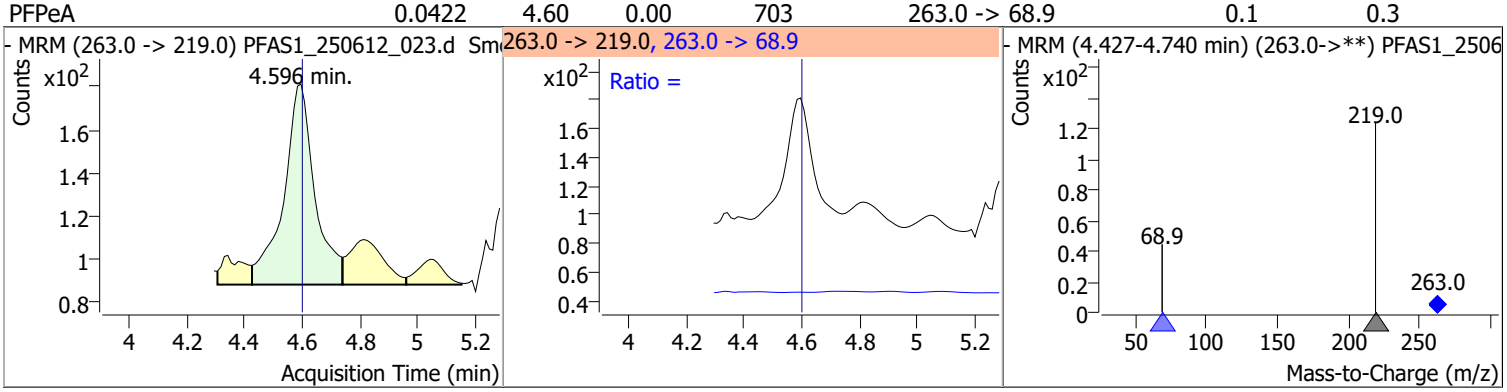
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0512	4.02	0.00	19	241.0 -> 117.0	104.2	41.3	76.7



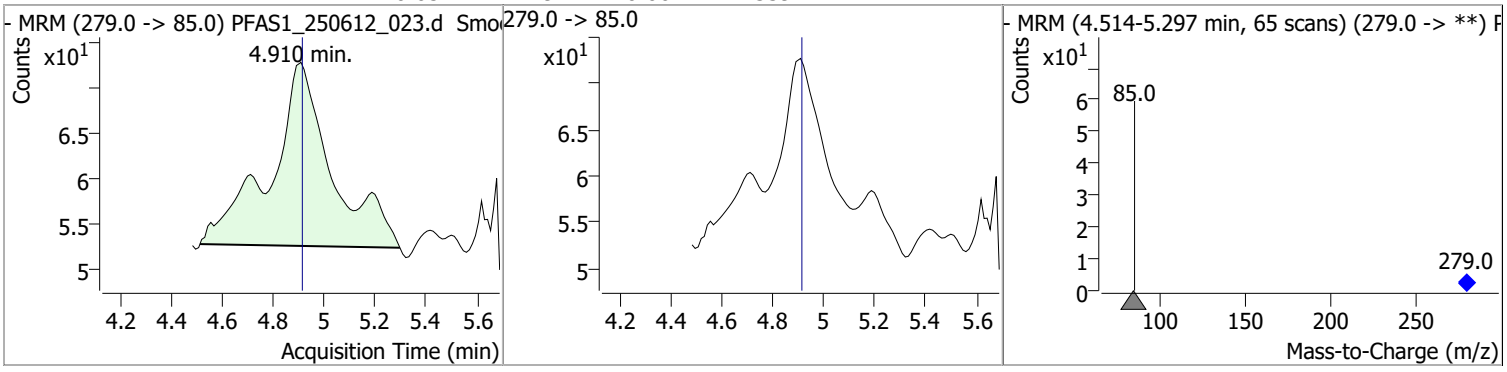
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1718	4.59	0.00	298719				



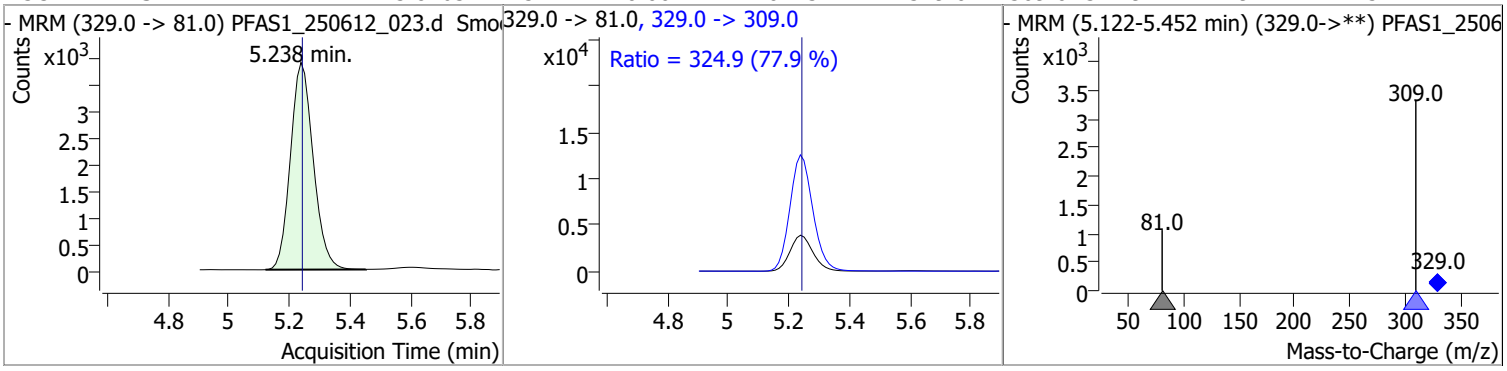
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0422	4.60	0.00	703	263.0 -> 68.9		0.1	0.3



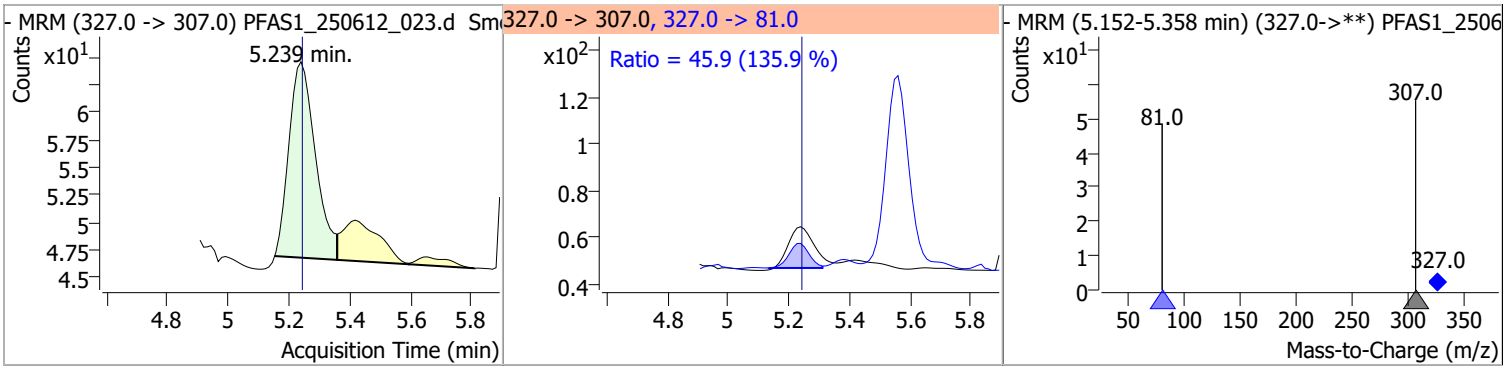
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0521	4.91	0.00	339				



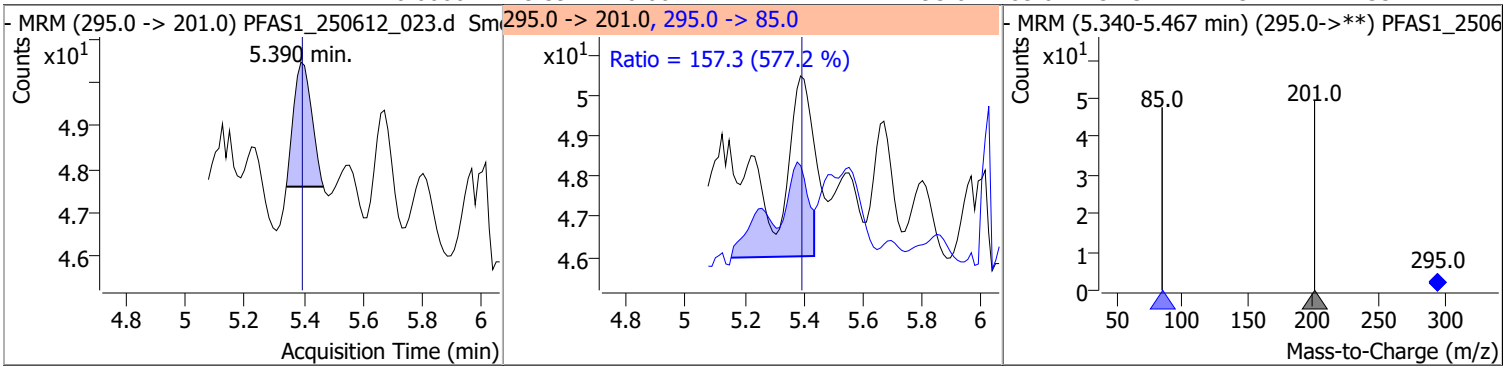
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.8763	5.24	0.00	20113	329.0 -> 309.0	324.9	292.1	542.4



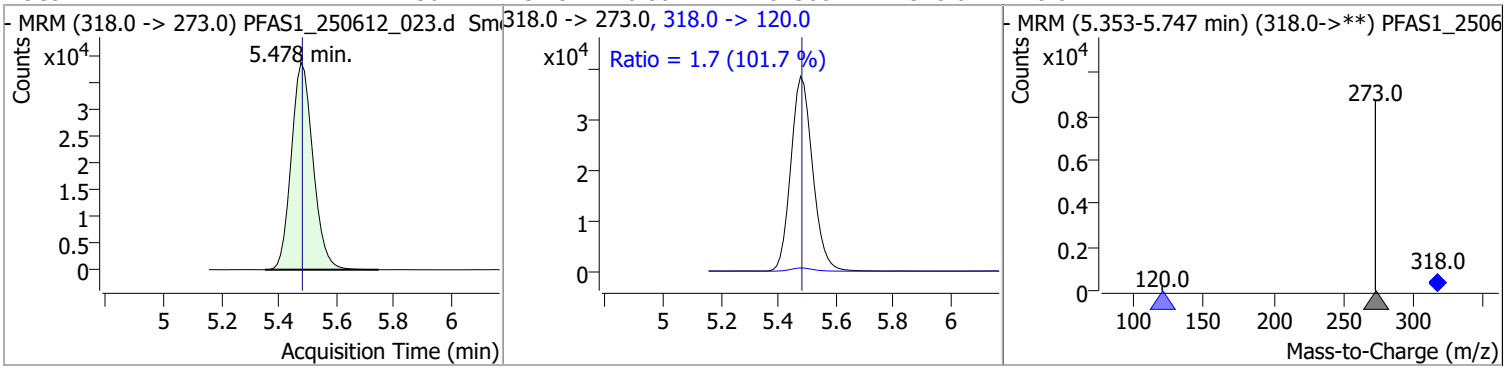
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0130	5.24	0.00	107	327.0 -> 81.0	45.9	23.6	43.9



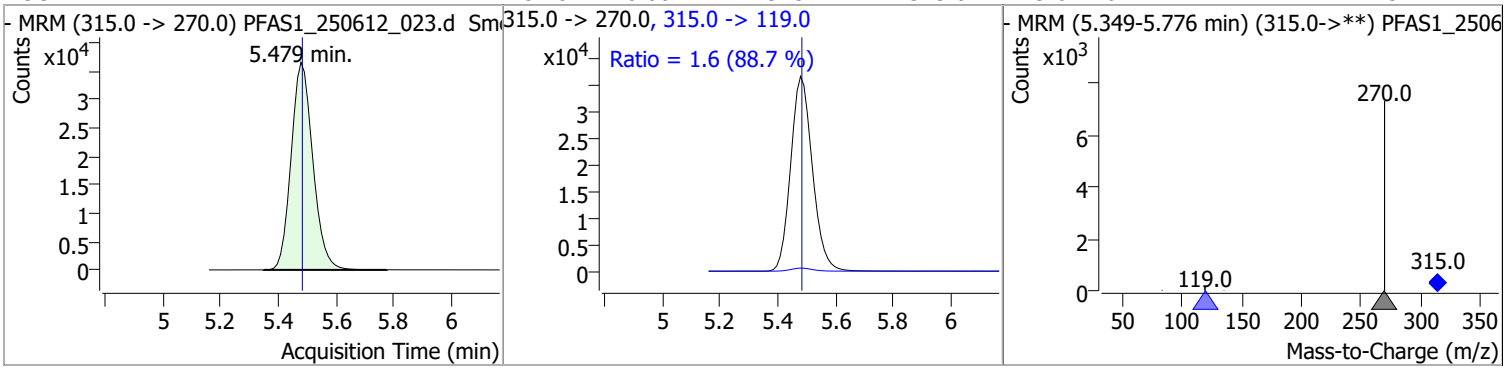
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.39	0.00	12	295.0 -> 85.0	157.3	19.1	35.4



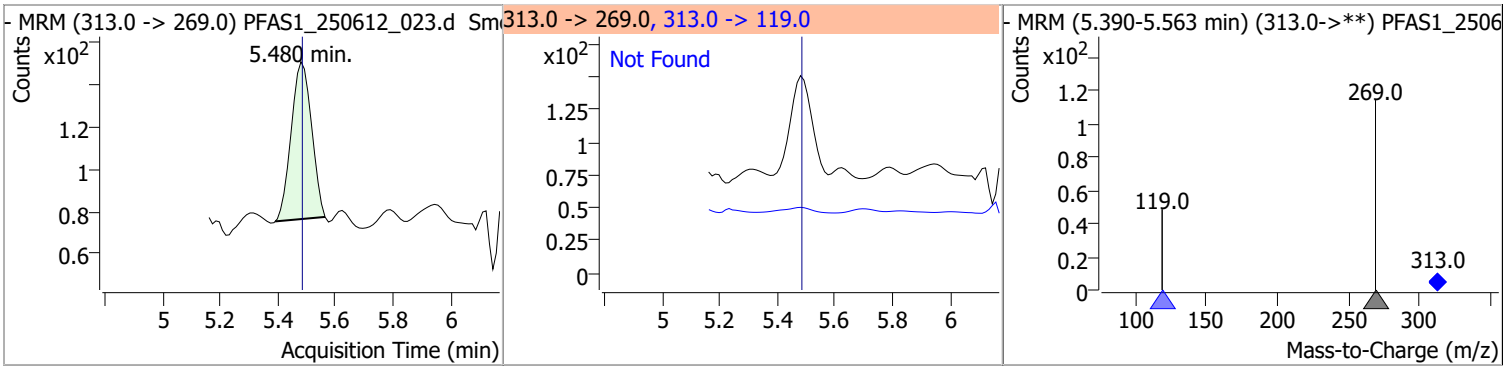
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5671	5.48	0.00	202368	318.0 -> 120.0	1.7	1.1	2.1



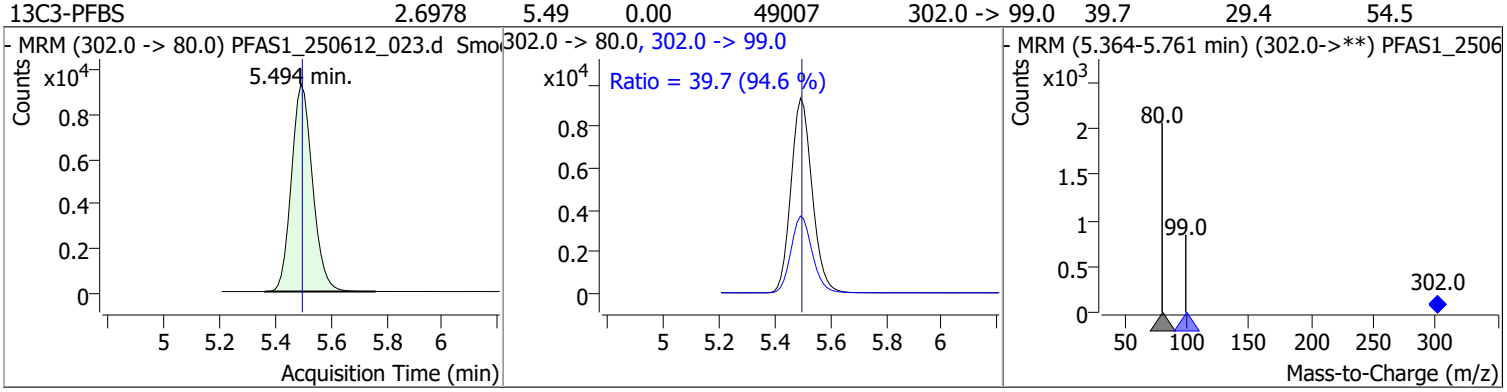
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	191347	315.0 -> 119.0	1.6	1.2	2.3



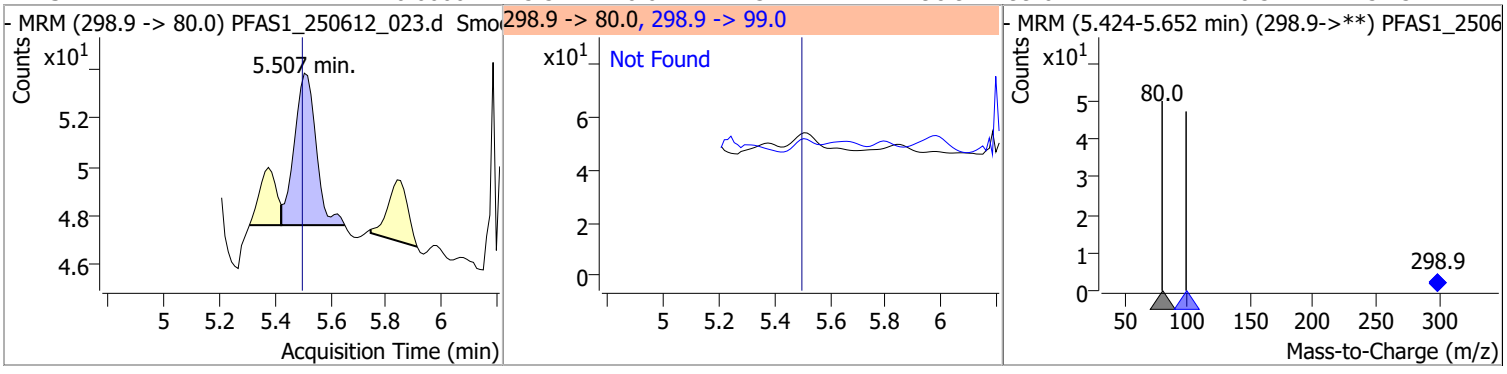
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0111	5.48	0.00	363	313.0 -> 119.0		2.4	4.5



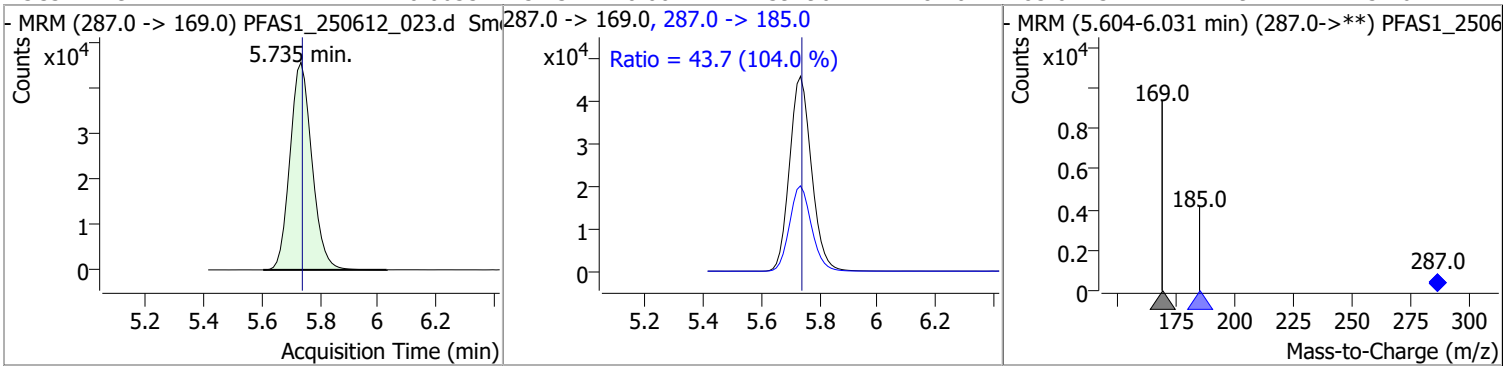
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6978	5.49	0.00	49007	302.0 -> 99.0	39.7	29.4	54.5



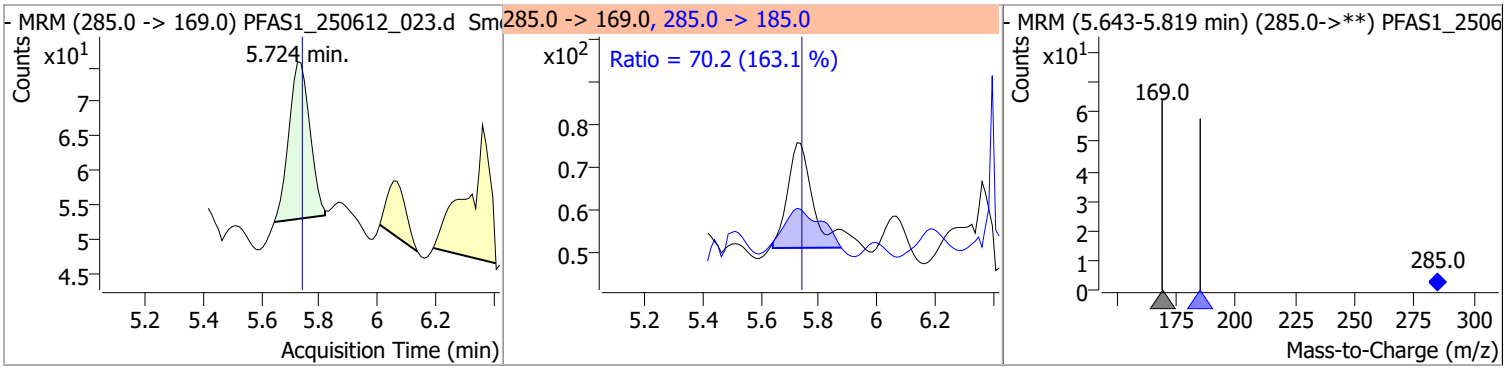
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.51	0.01	34	298.9 -> 99.0		28.3	52.5



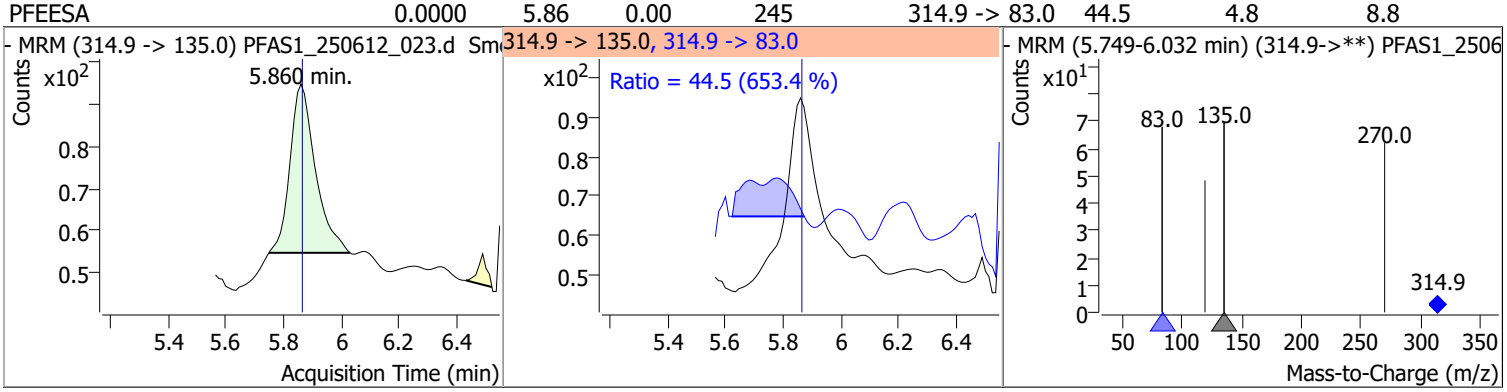
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0635	5.73	0.00	239196	287.0 -> 185.0	43.7	29.4	54.6



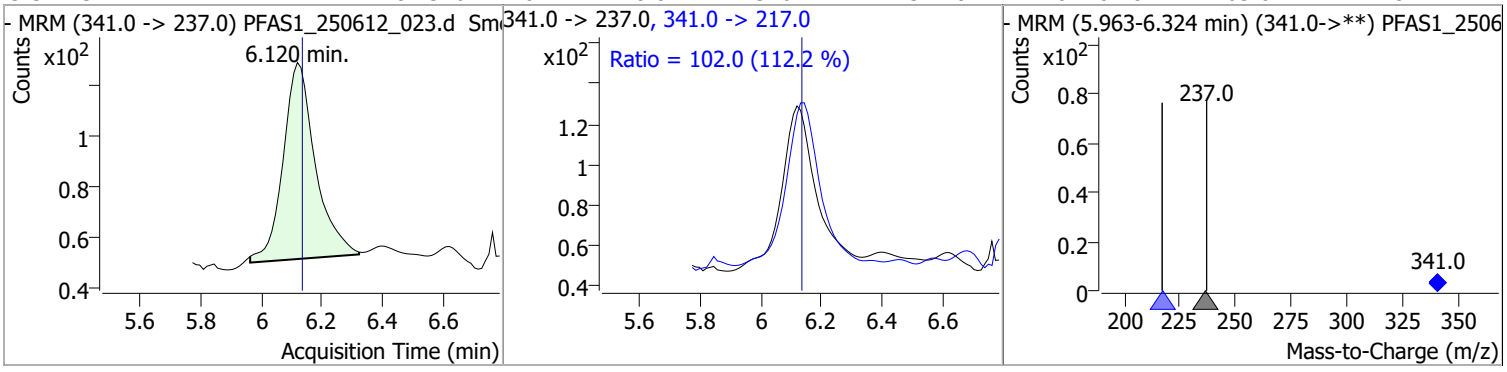
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0137	5.72	-0.01	115	285.0 -> 185.0	70.2	30.1	56.0



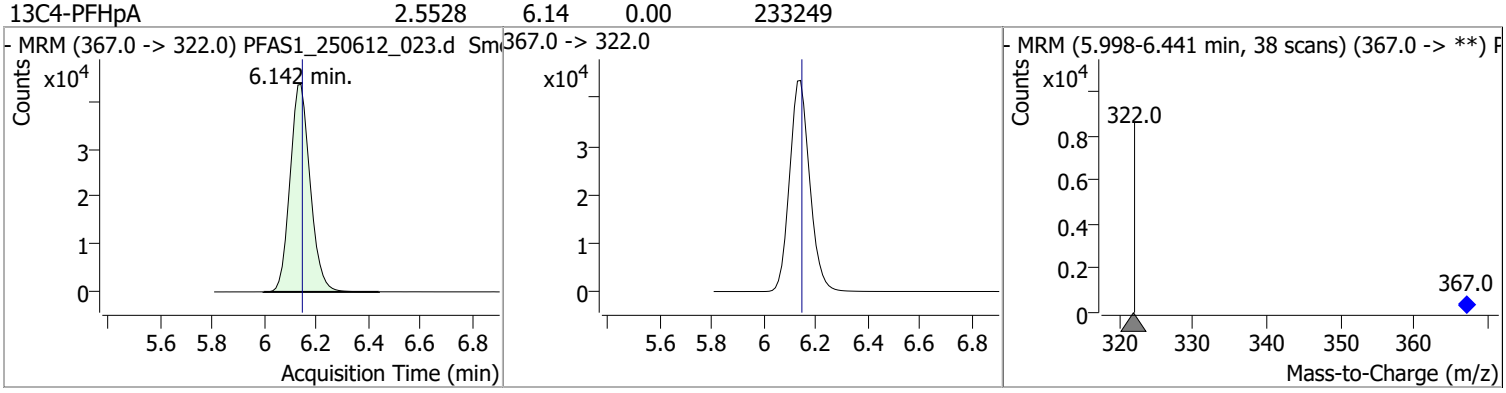
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.86	0.00	245	314.9 -> 83.0	44.5	4.8	8.8



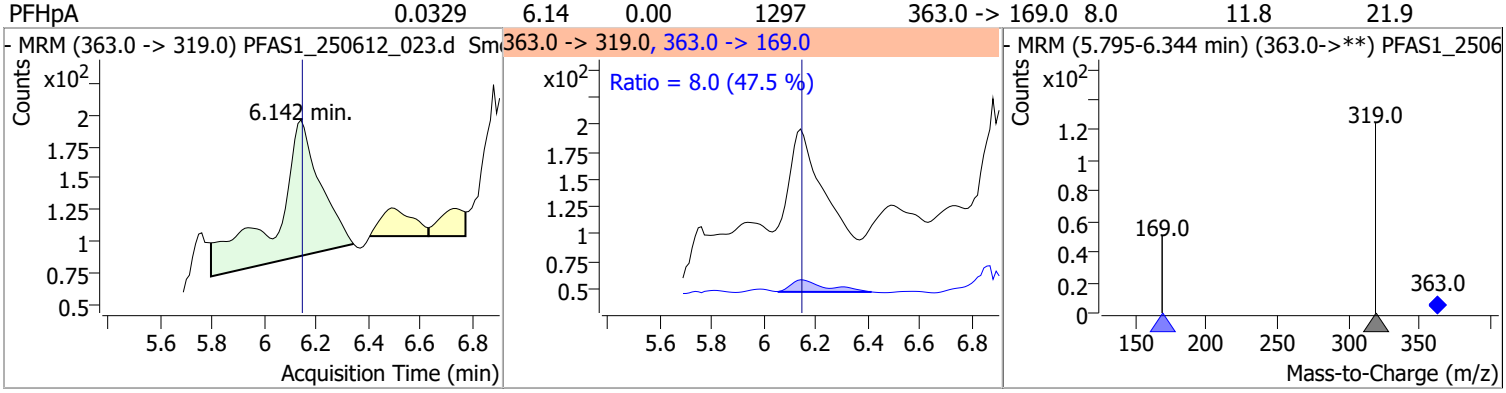
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.7316	6.12	-0.01	576	341.0 -> 217.0	102.0	63.6	118.1



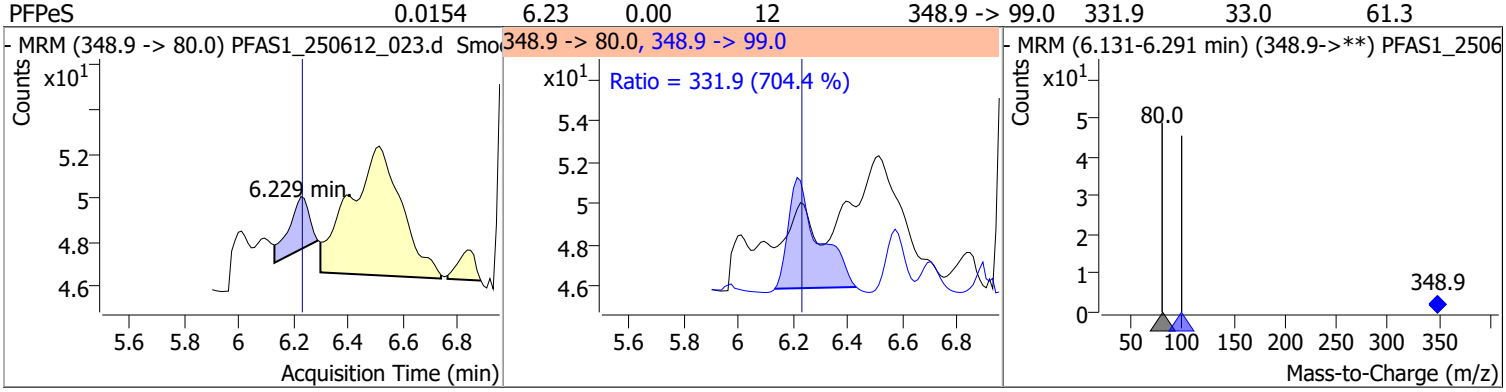
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5528	6.14	0.00	233249				



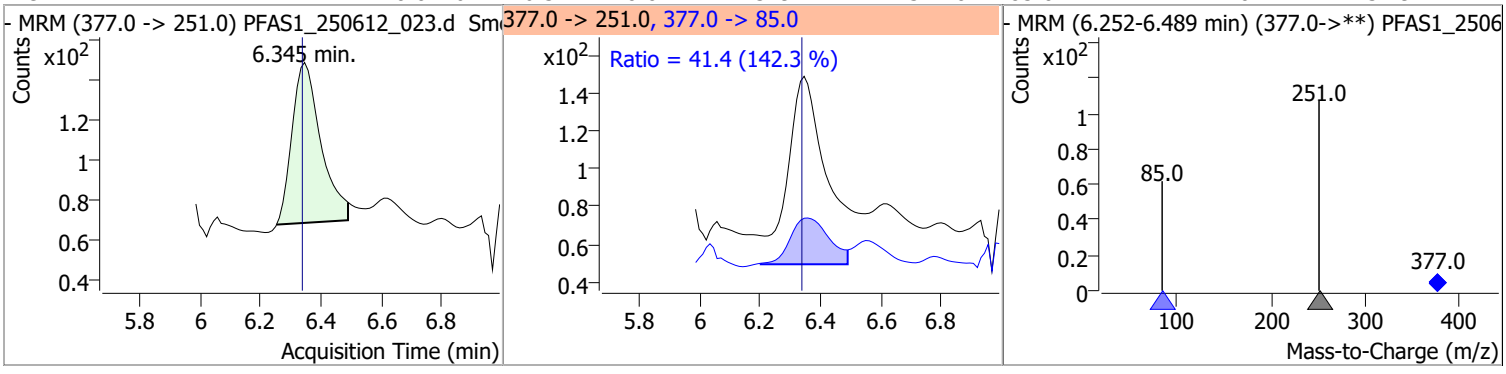
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0329	6.14	0.00	1297	363.0 -> 169.0	8.0	11.8	21.9



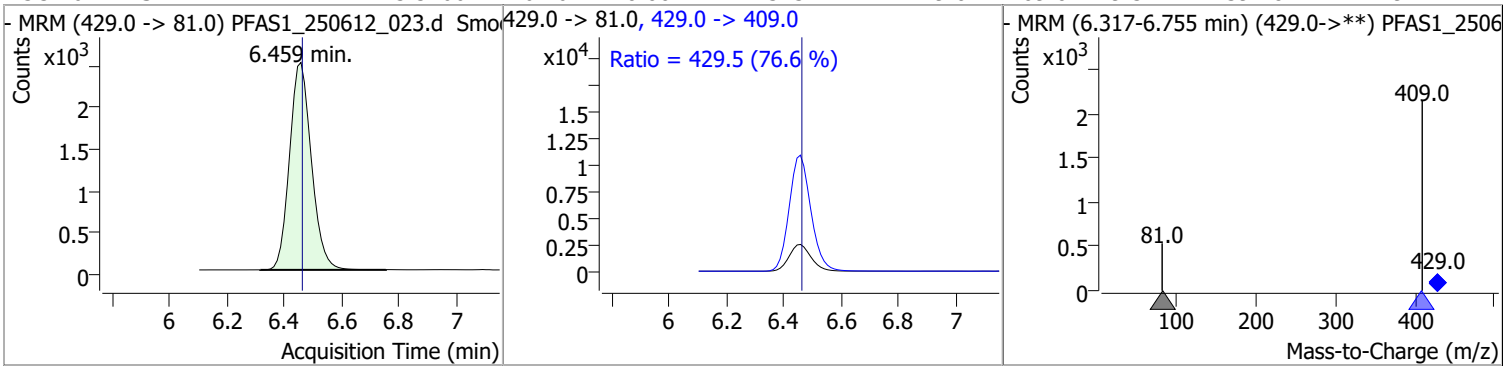
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0154	6.23	0.00	12	348.9 -> 99.0	331.9	33.0	61.3



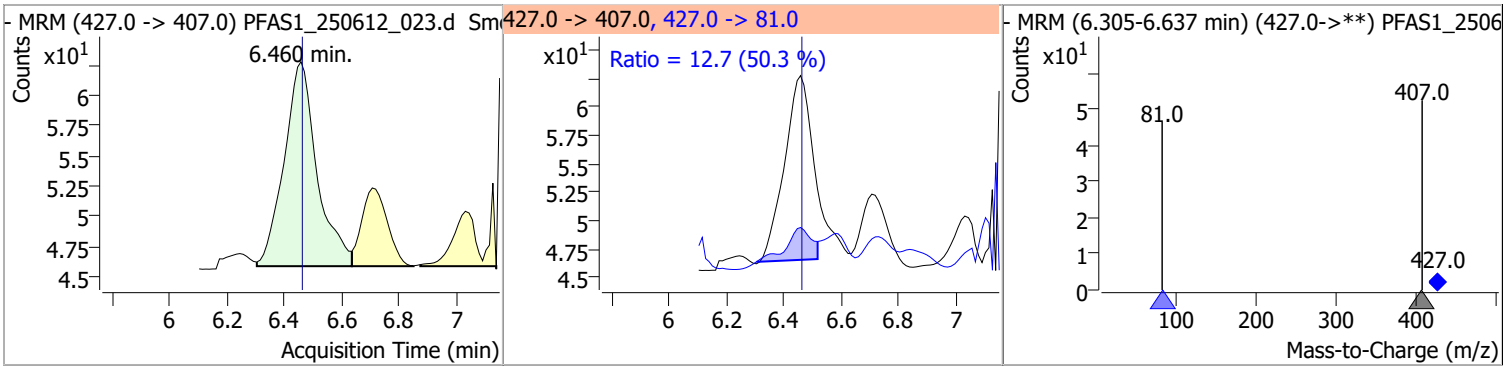
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0476	6.34	0.01	529	377.0 -> 85.0	41.4	20.4	37.9



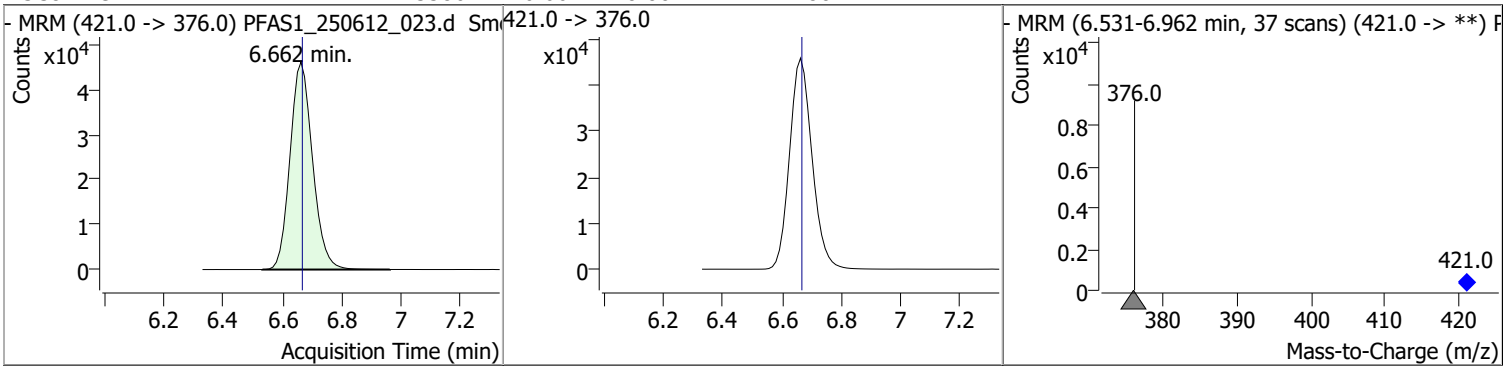
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5166	6.46	0.00	13231	429.0 -> 409.0	429.5	392.8	729.4



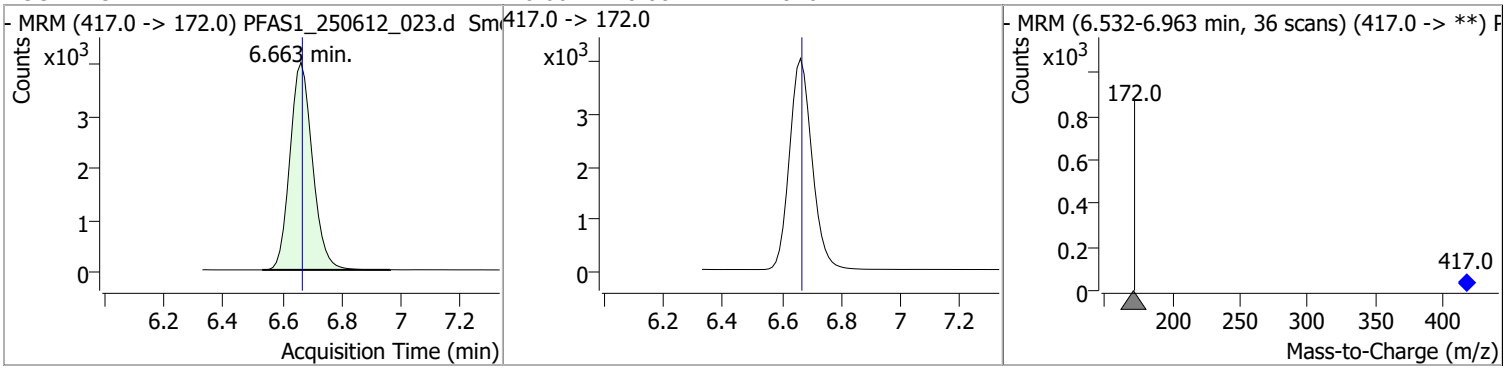
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.46	0.00	134	427.0 -> 81.0	12.7	17.7	32.8



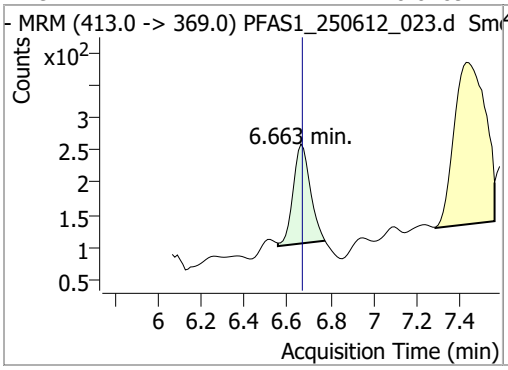
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5586	6.66	0.00	241480				

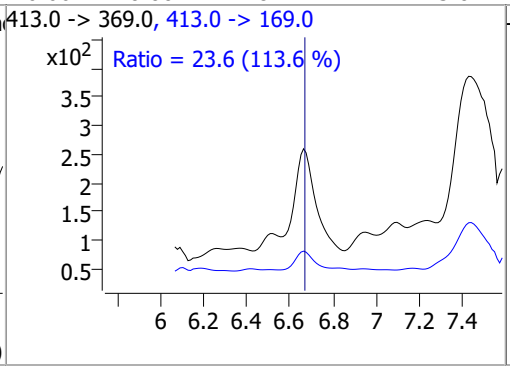


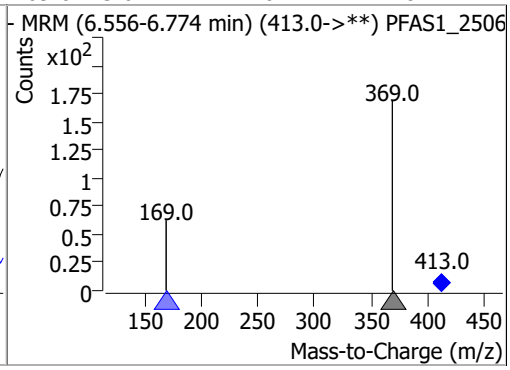
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21076				



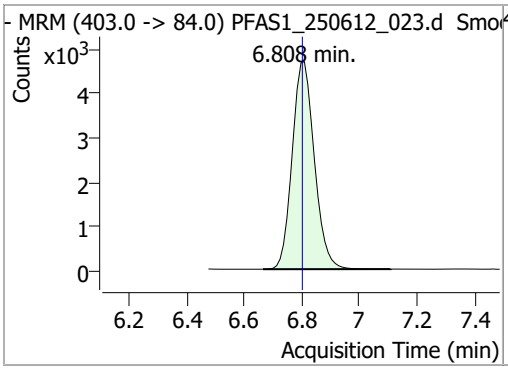
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0189	6.66	0.00	844	413.0 -> 169.0	23.6	14.6	27.0

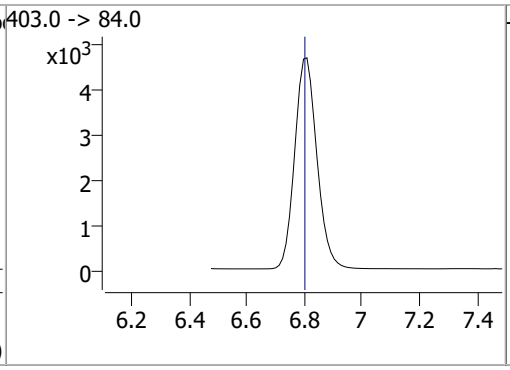


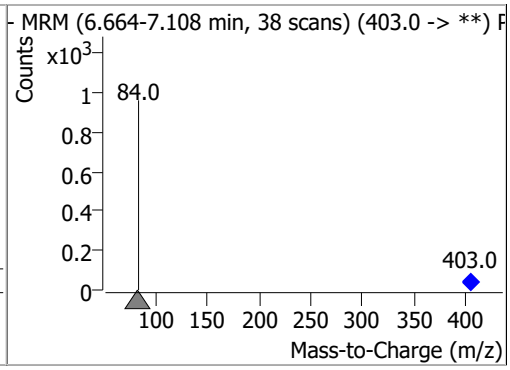




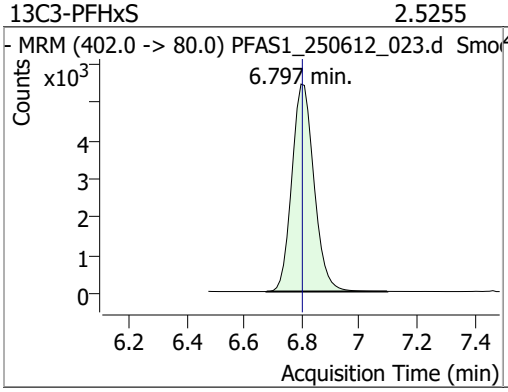
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	25087				

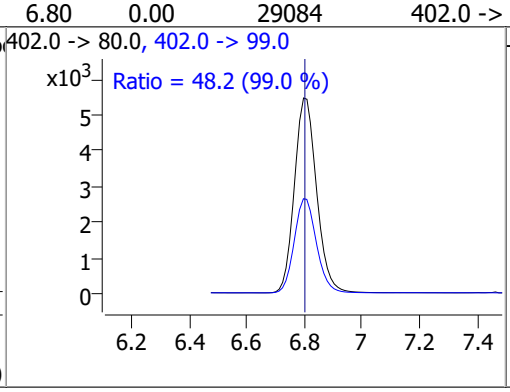


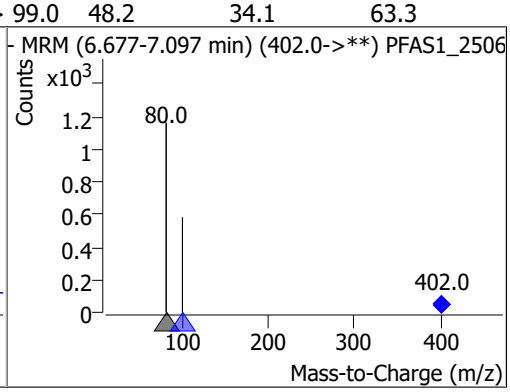




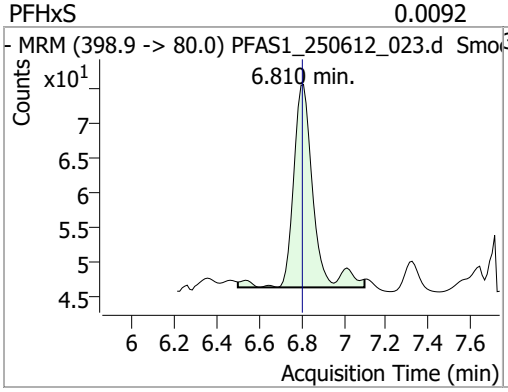
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5255	6.80	0.00	29084	402.0 -> 99.0	48.2	34.1	63.3

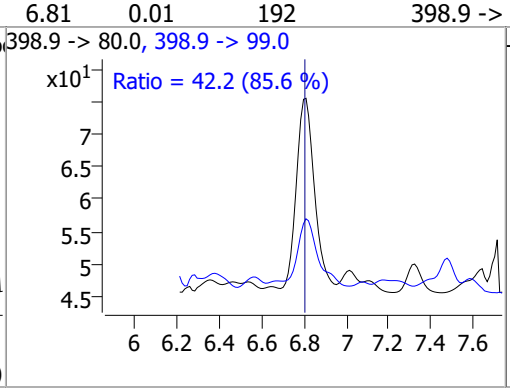


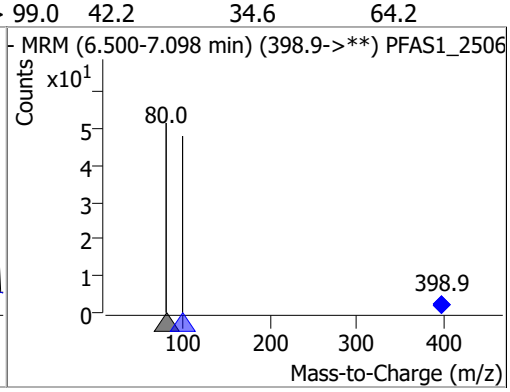




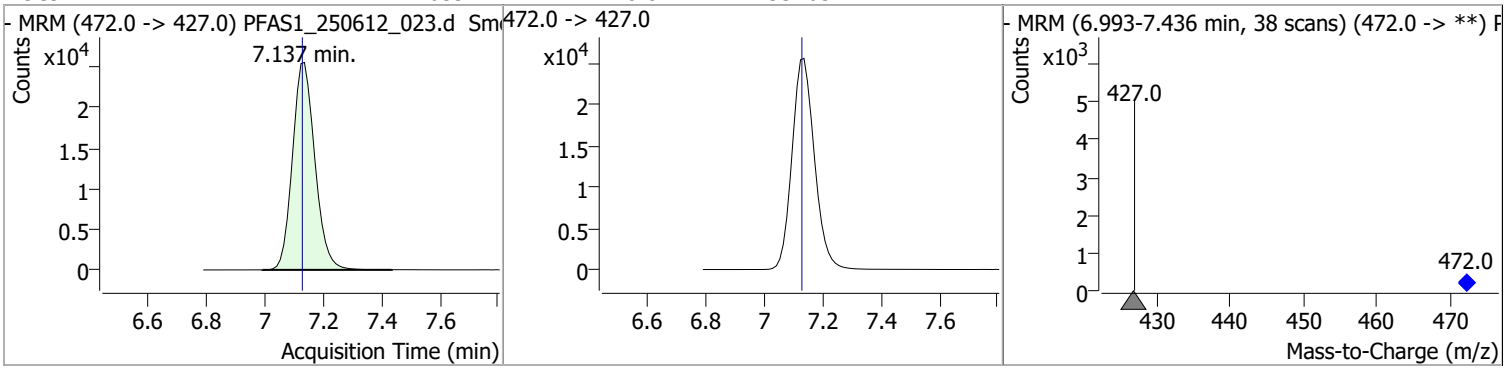
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0092	6.81	0.01	192	398.9 -> 99.0	42.2	34.6	64.2



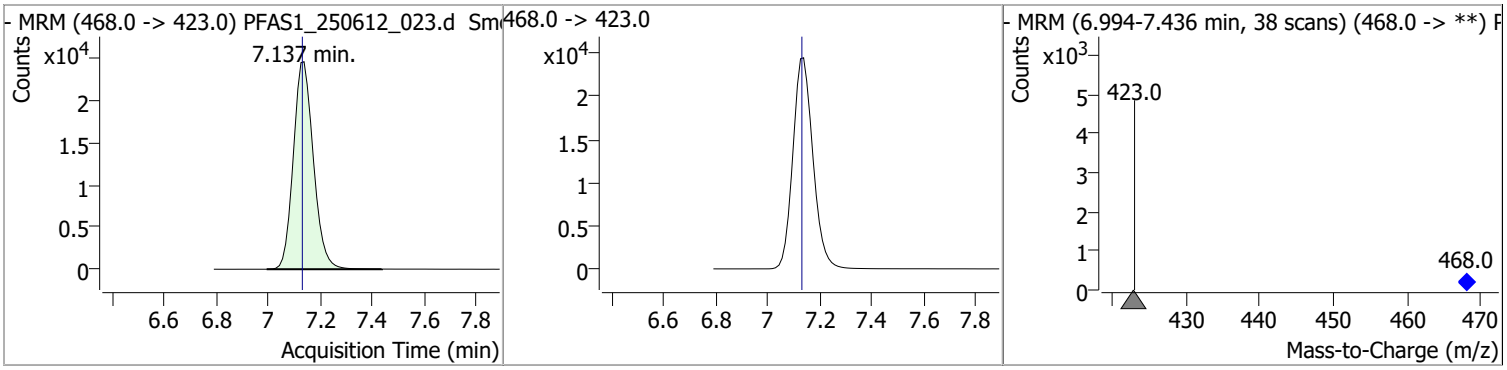




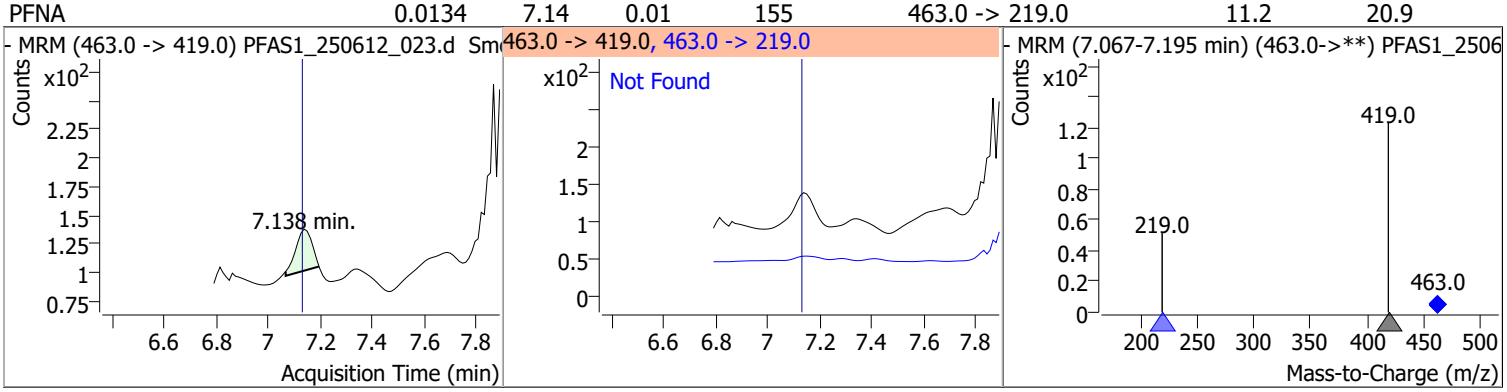
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2659	7.14	0.01	135763				



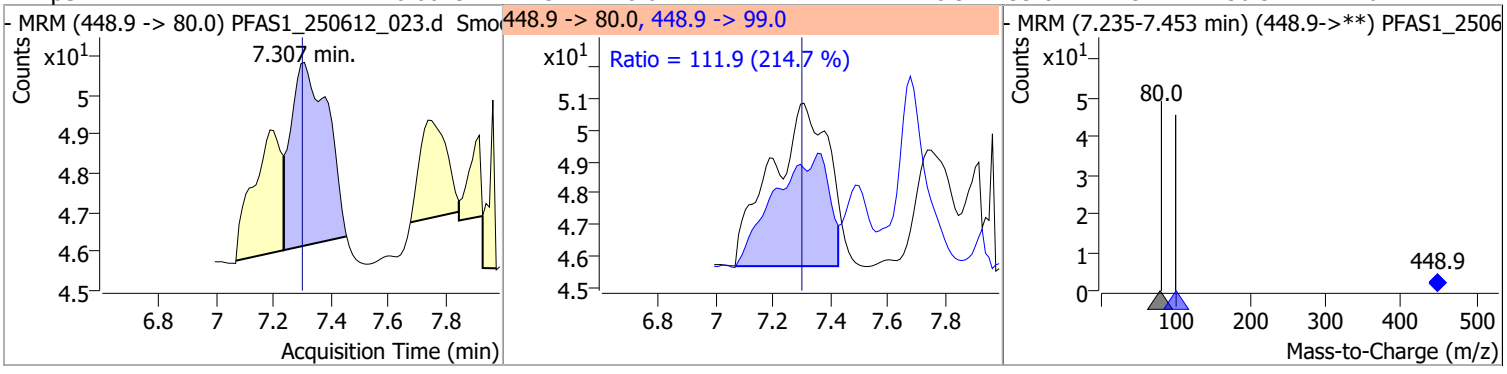
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.01	130789				



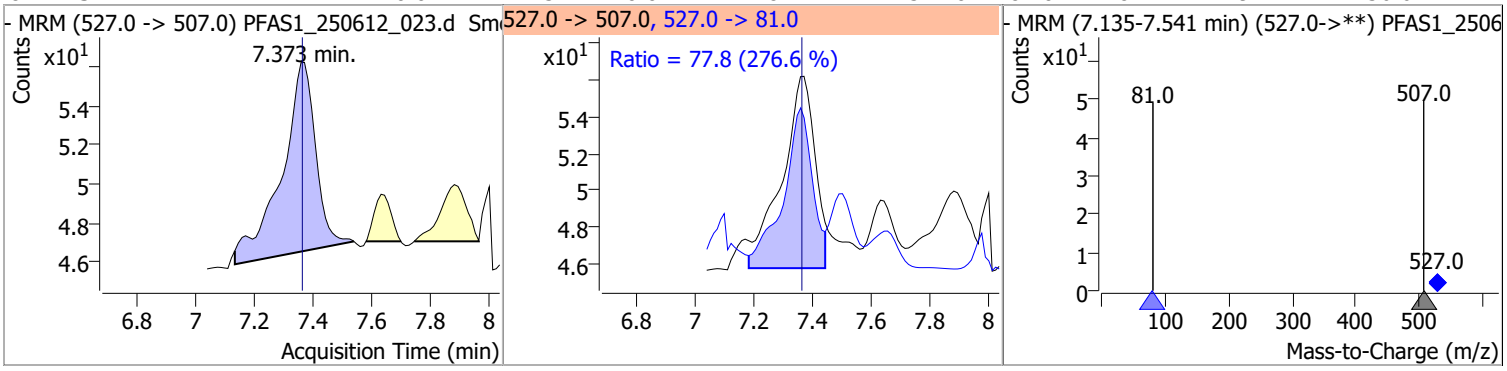
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0134	7.14	0.01	155	463.0 -> 219.0	11.2	20.9	



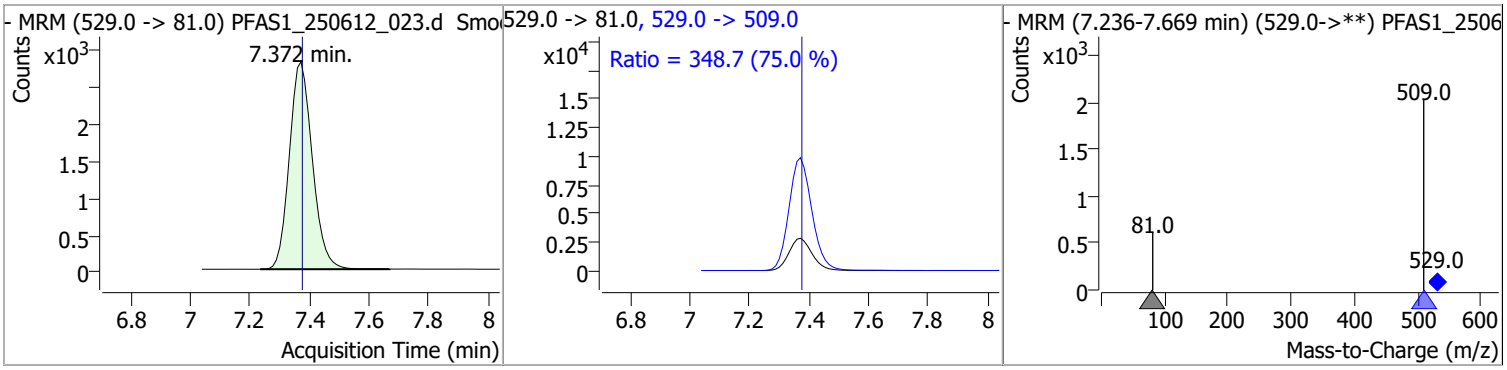
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0023	7.31	0.01	42	448.9 -> 99.0	111.9	36.5	67.7



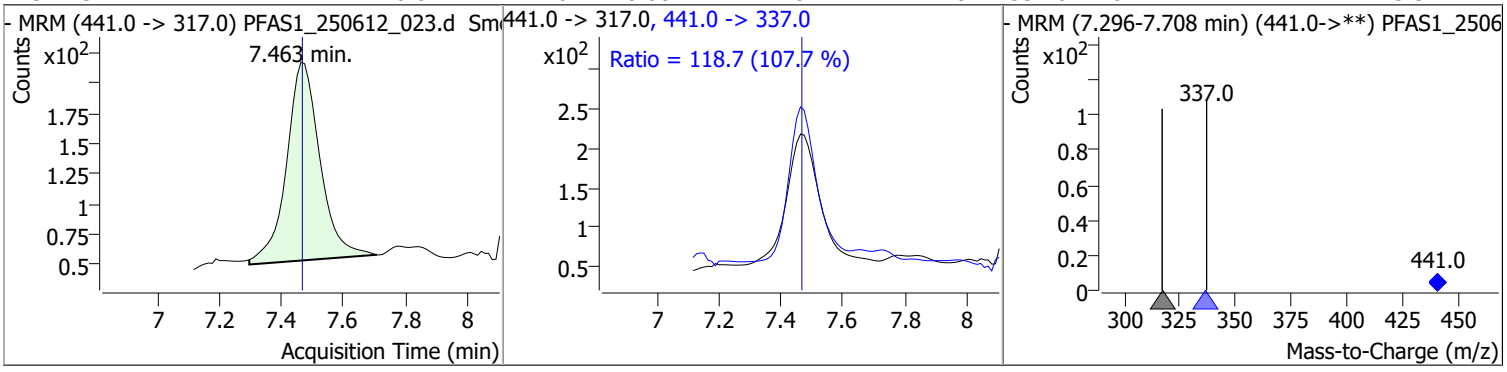
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0222	7.37	0.01	78	527.0 -> 81.0	77.8	19.7	36.6



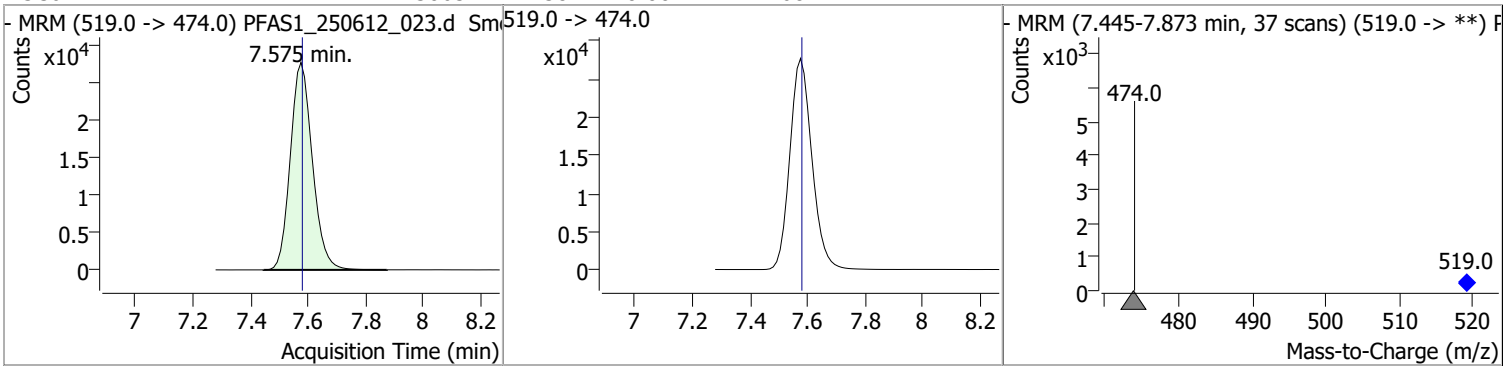
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.7083	7.37	0.00	14991	529.0 -> 509.0	348.7	325.6	604.6



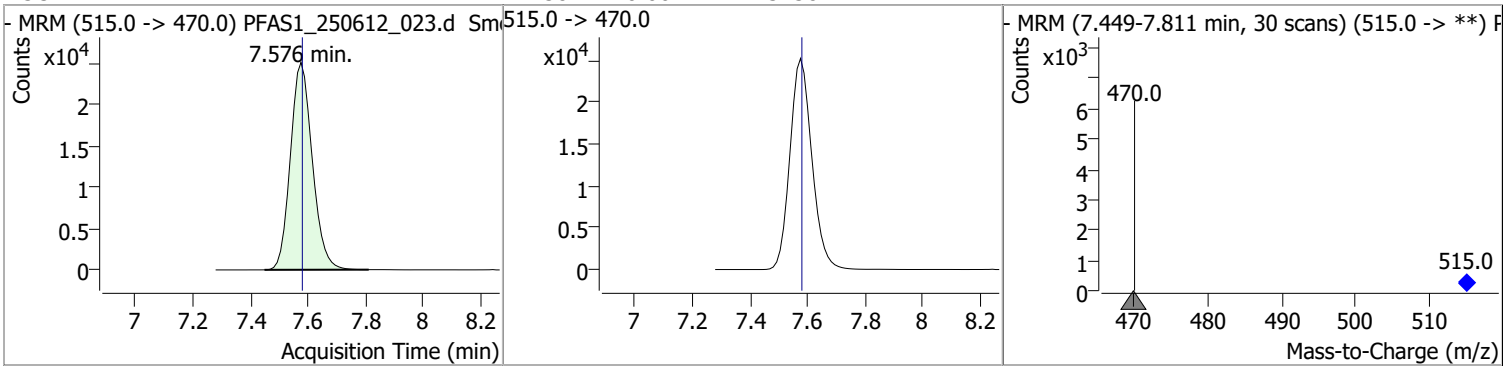
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.8127	7.46	0.00	1228	441.0 -> 337.0	118.7	77.1	143.3



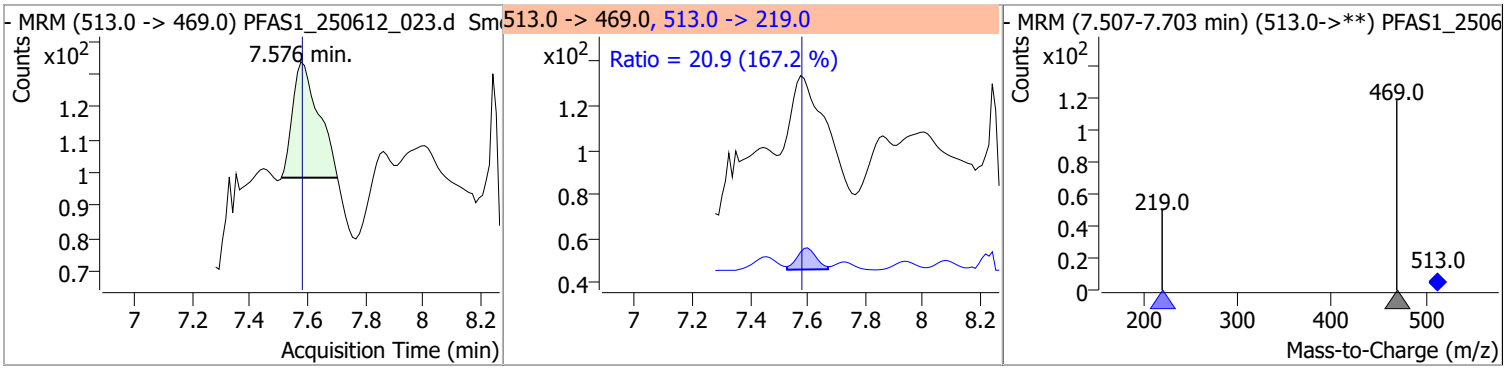
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3065	7.58	0.00	146877				



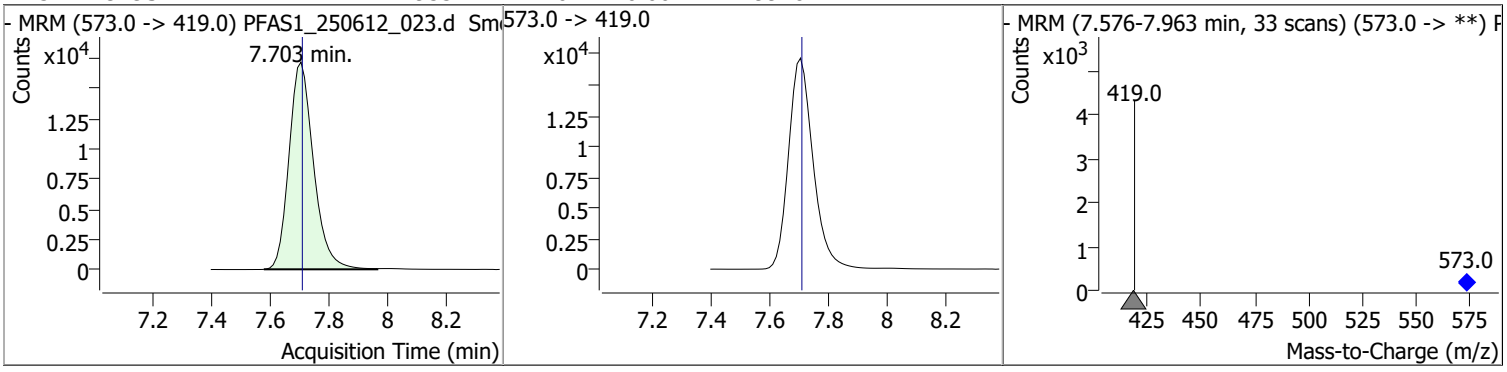
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	132381				



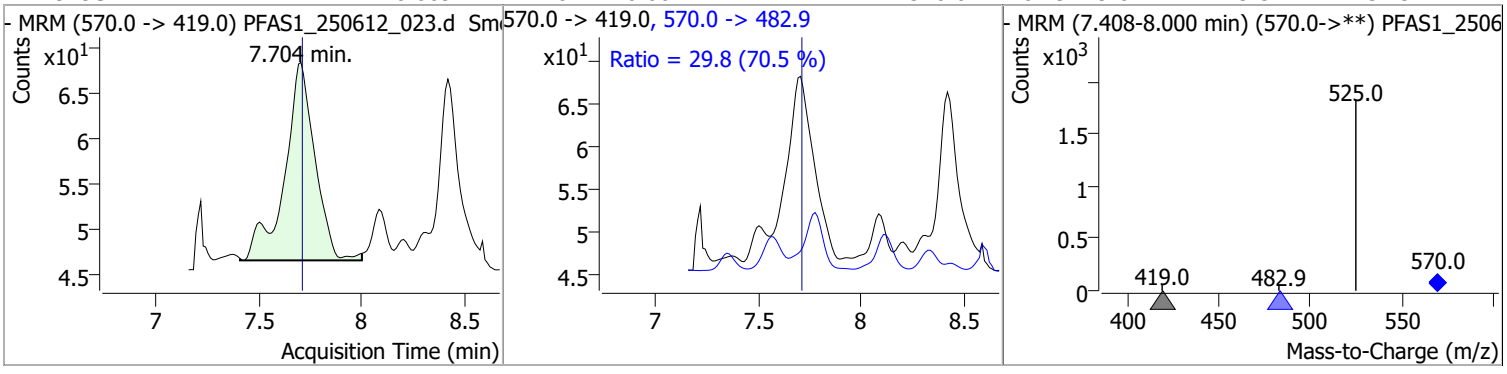
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0191	7.58	0.00	218	513.0 -> 219.0	20.9	8.7	16.2



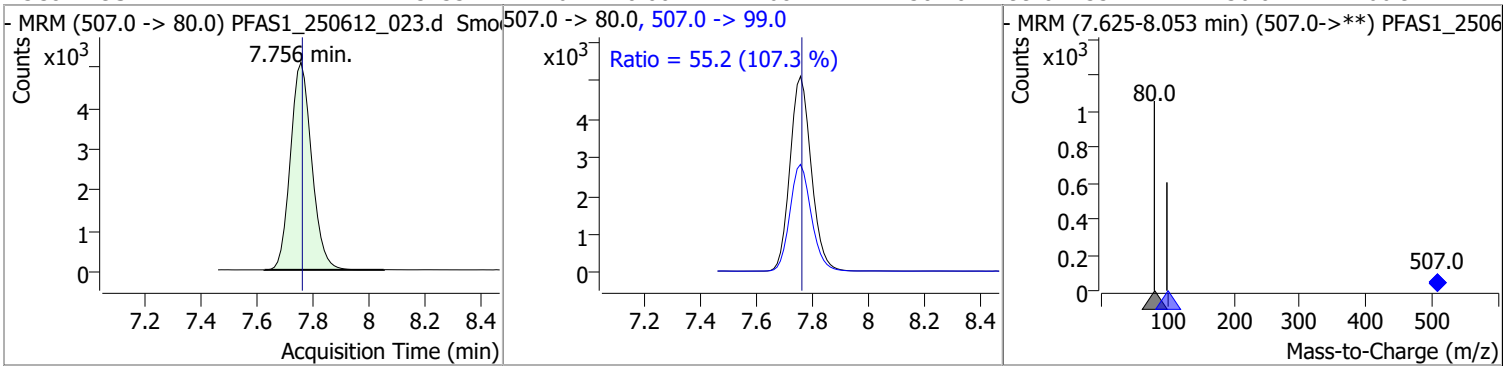
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9531	7.70	0.00	99282				



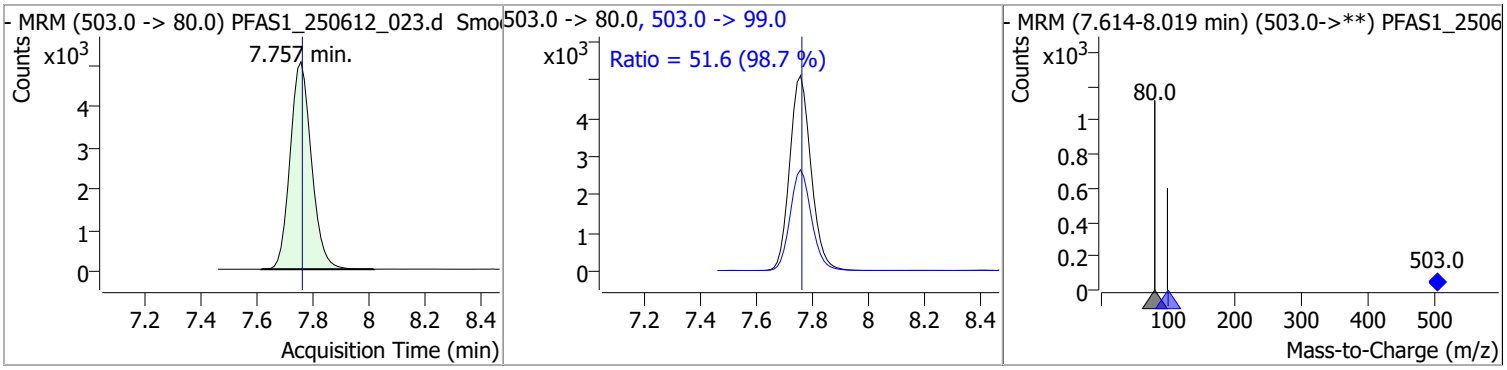
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0097	7.70	0.00	221	570.0 -> 482.9	29.8	29.5	54.9



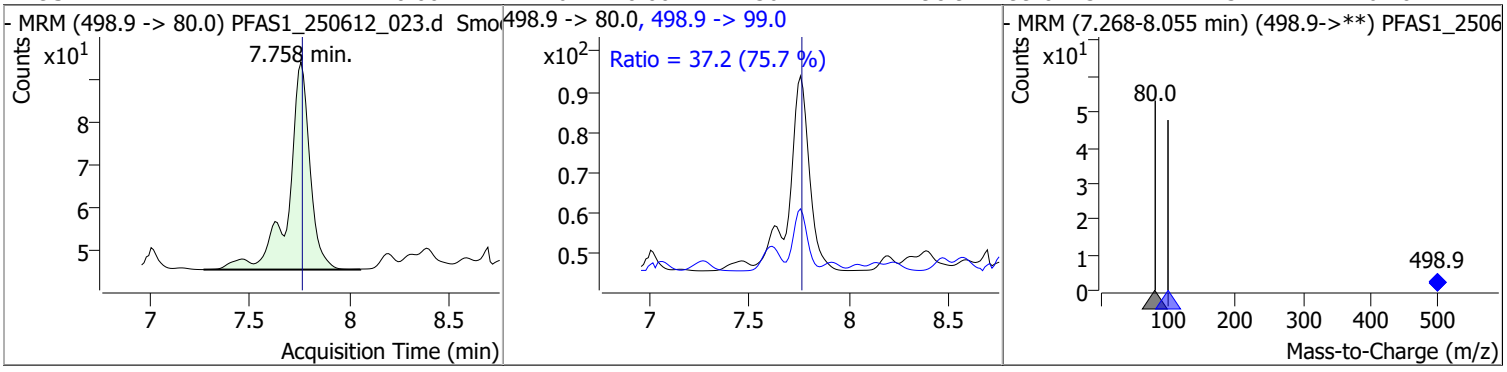
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5233	7.76	0.00	26844	507.0 -> 99.0	55.2	36.0	66.9



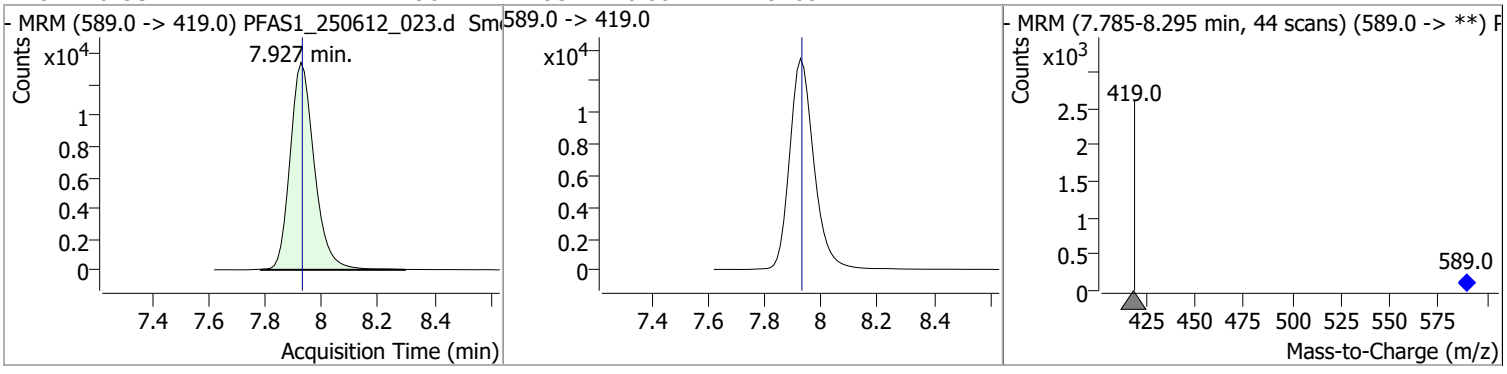
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26845	503.0 -> 99.0	51.6	36.6	67.9



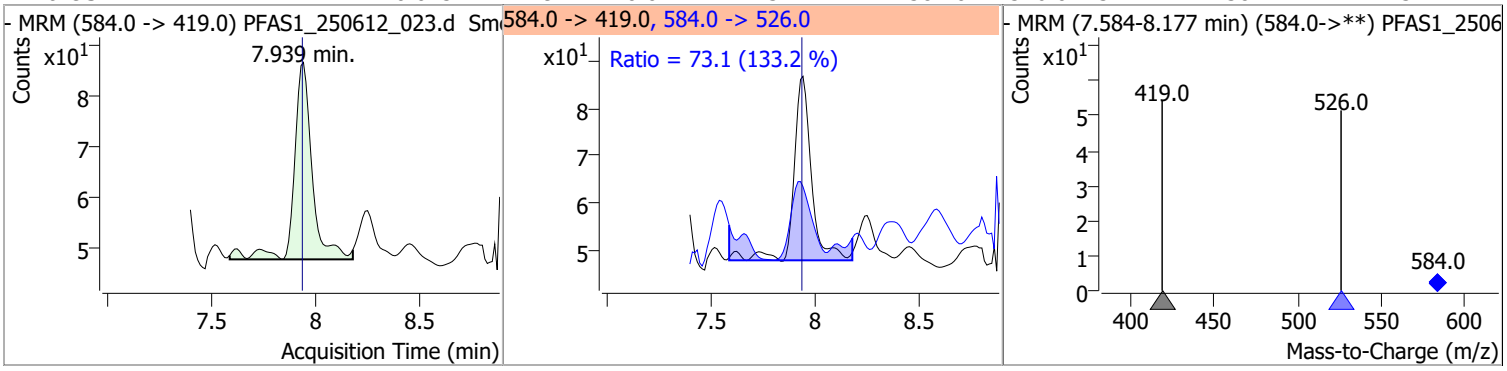
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0024	7.76	0.00	364	498.9 -> 99.0	37.2	34.4	64.0



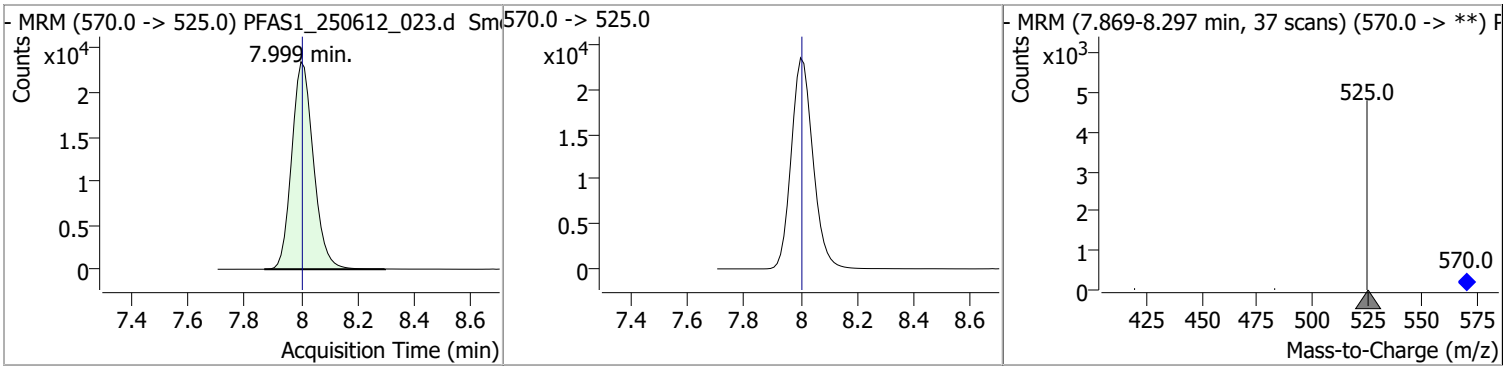
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9671	7.93	0.00	79783				



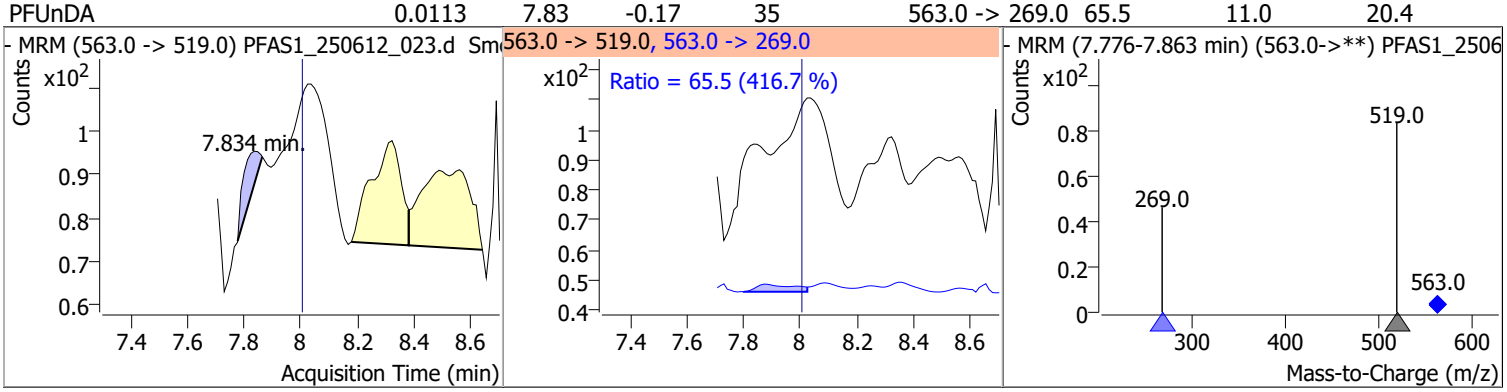
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0252	7.94	0.01	237	584.0 -> 526.0	73.1	38.4	71.3



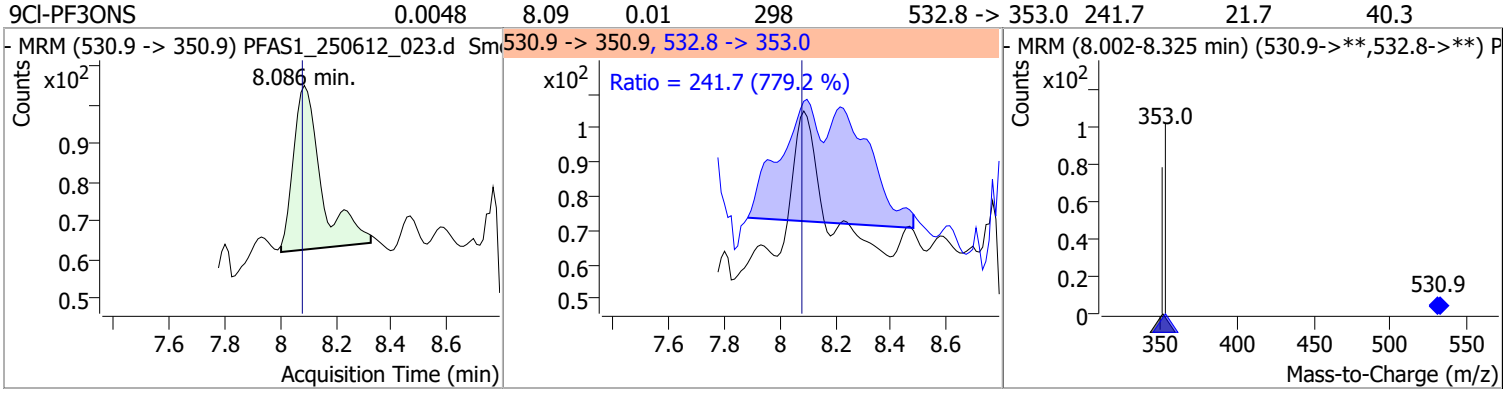
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2837	8.00	0.00	125300				



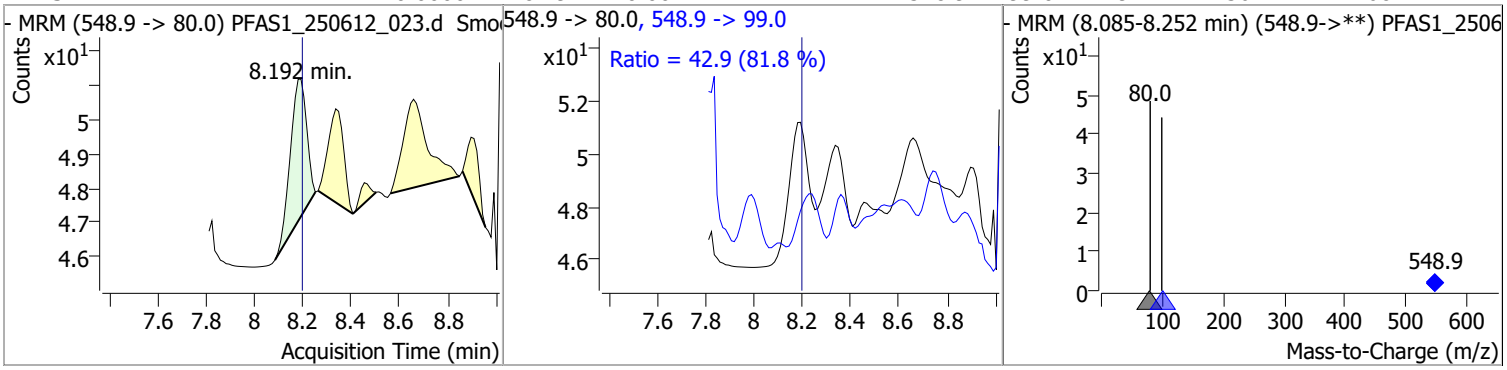
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0113	7.83	-0.17	35	563.0 -> 269.0	65.5	11.0	20.4



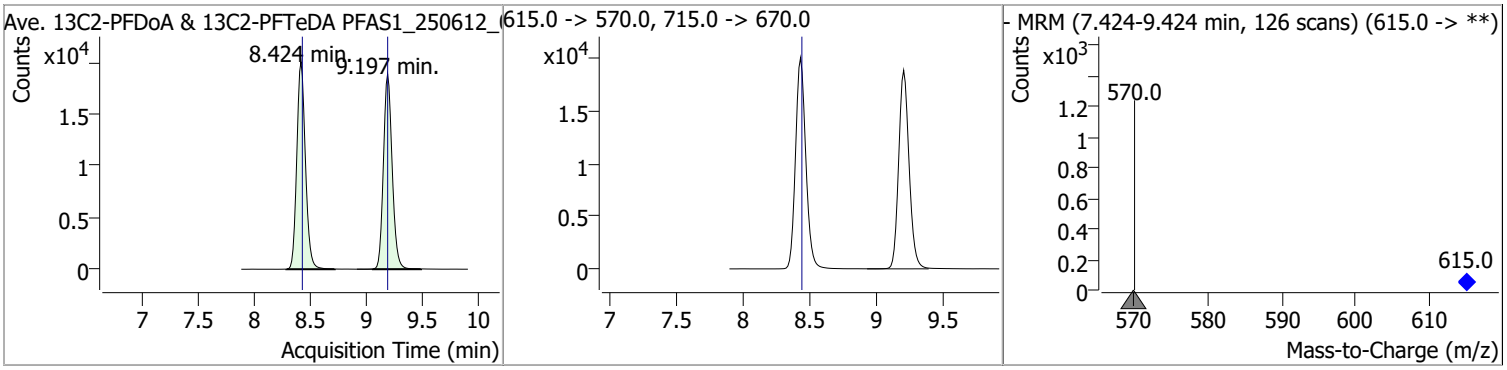
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0048	8.09	0.01	298	532.8 -> 353.0	241.7	21.7	40.3



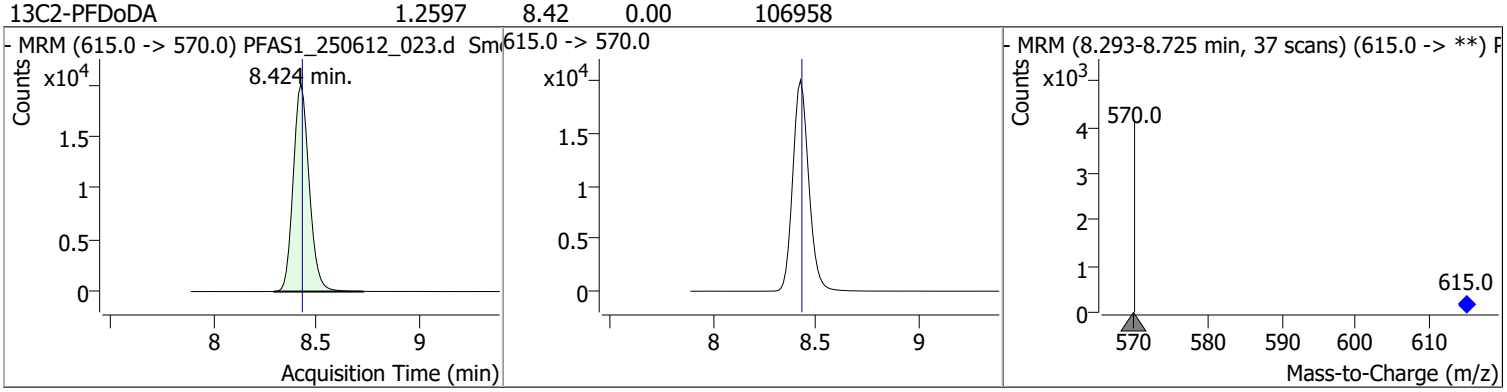
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.19	0.00	21	548.9 -> 99.0	42.9	36.7	68.1



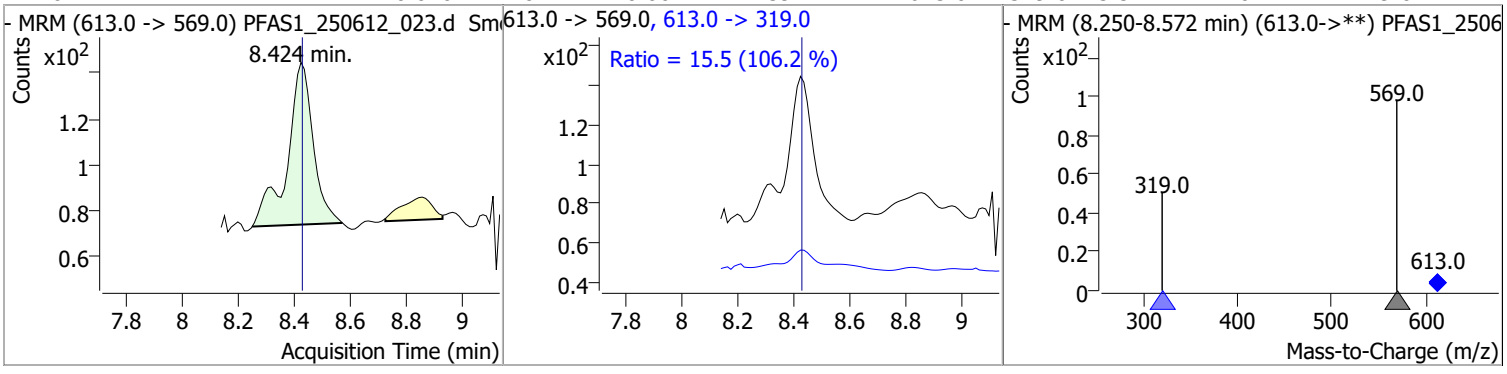
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2468	8.81	0.39	104558				



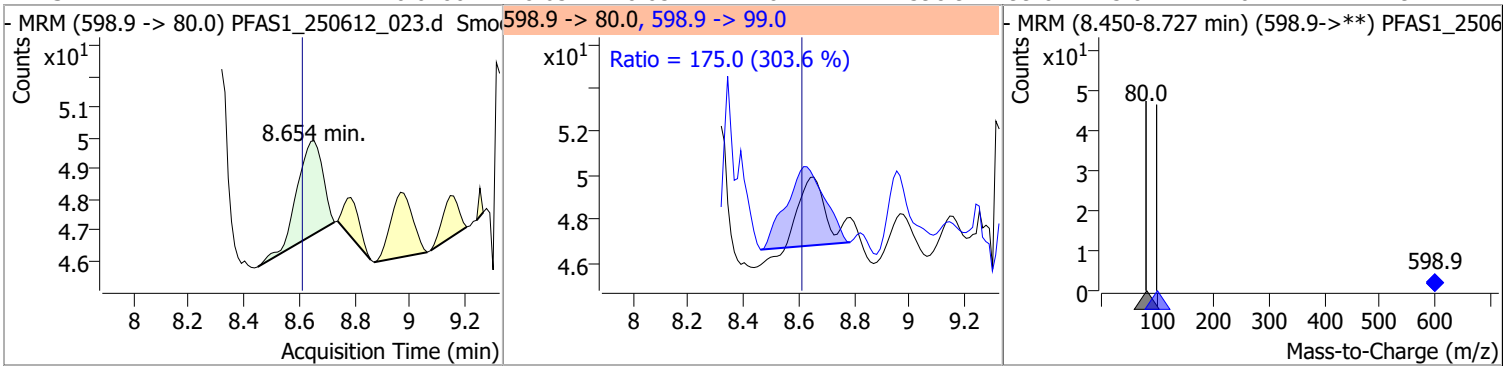
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2597	8.42	0.00	106958				



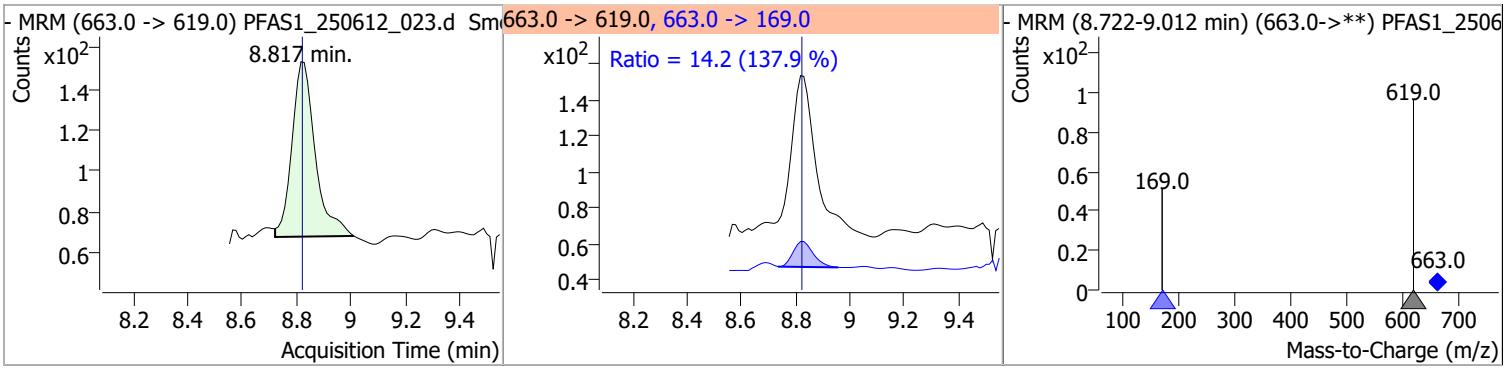
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0107	8.42	0.00	459	613.0 -> 319.0	15.5	10.2	19.0



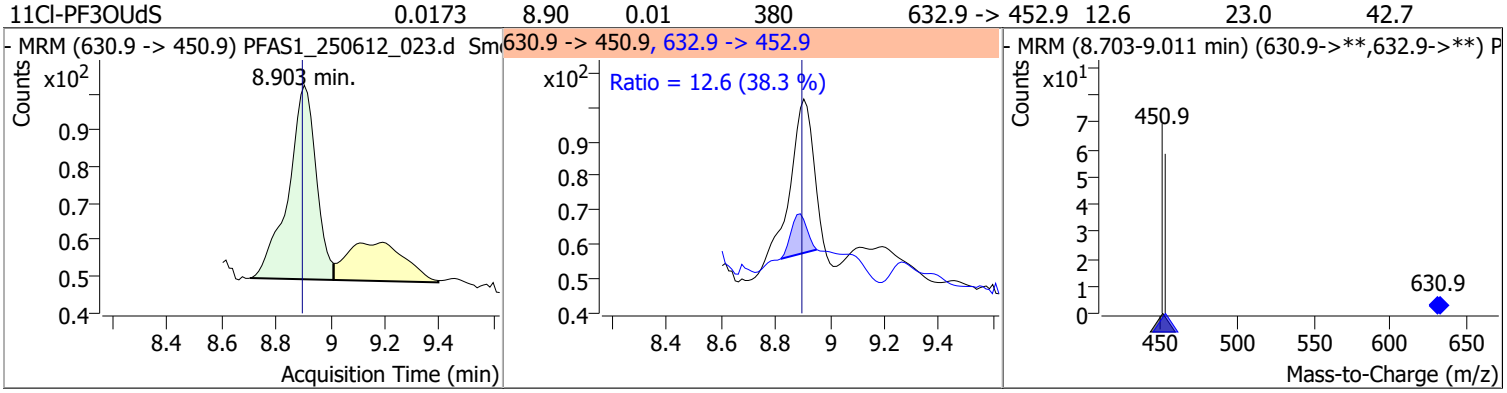
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0180	8.65	0.05	20	598.9 -> 99.0	175.0	40.4	74.9



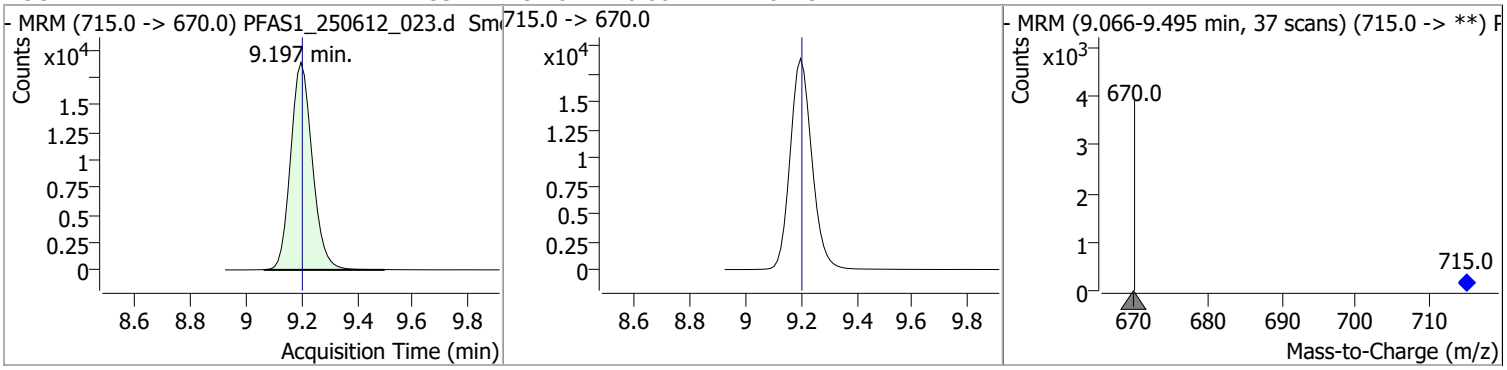
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0215	8.82	0.00	510	663.0 -> 169.0	14.2	7.2	13.4



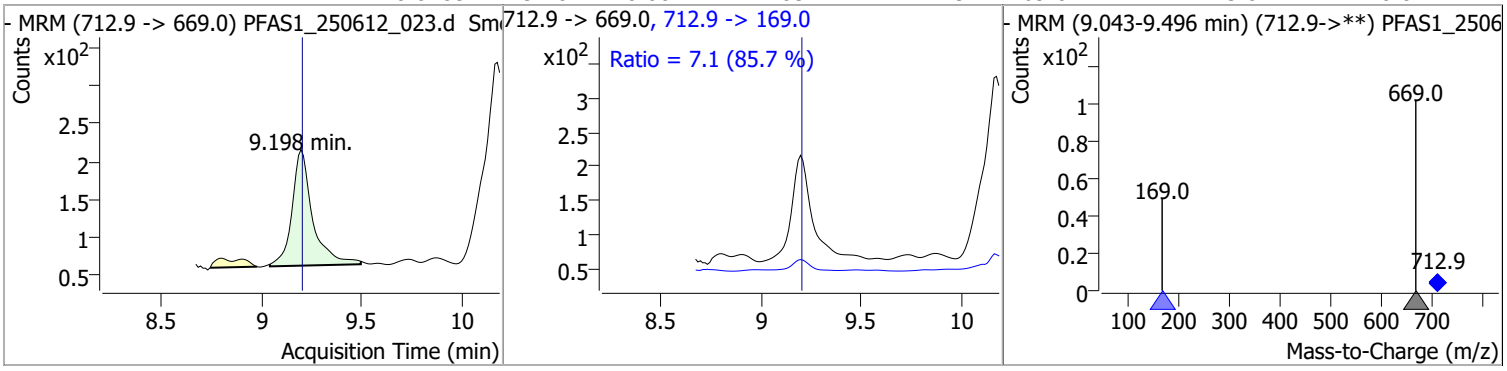
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0173	8.90	0.01	380	632.9 -> 452.9	12.6	23.0	42.7



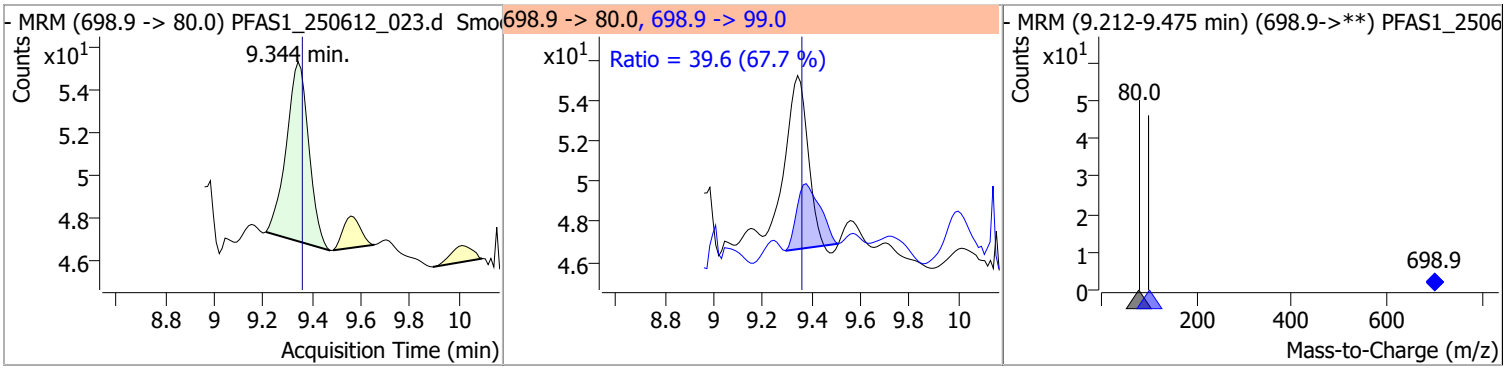
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2337	9.20	0.00	102157				



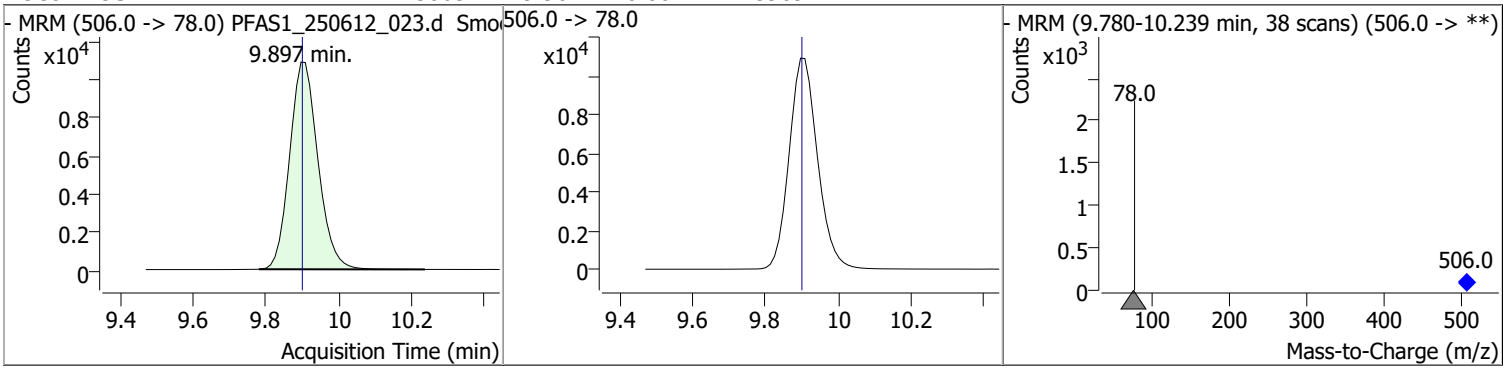
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0285	9.20	0.00	1105	712.9 -> 169.0	7.1	5.8	10.8



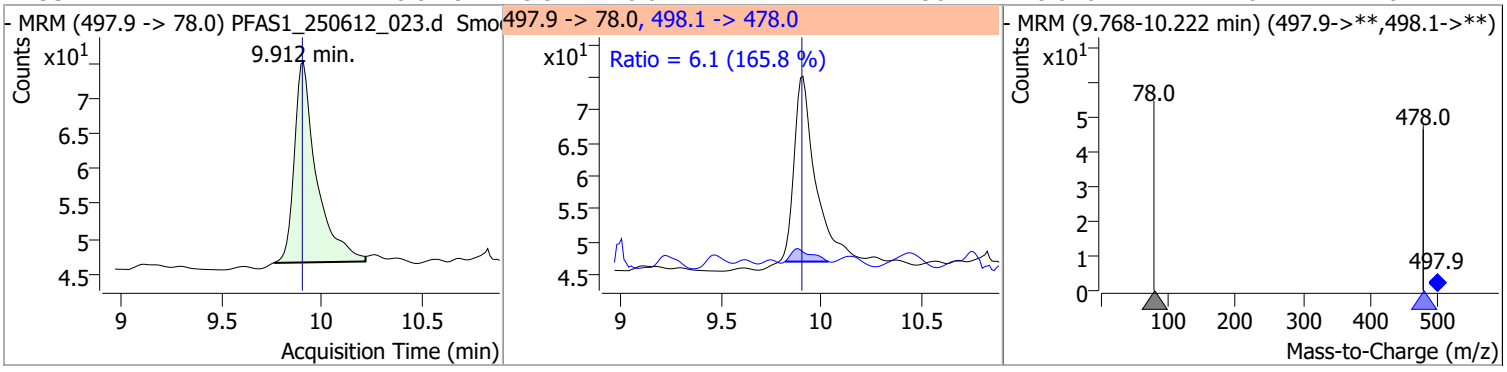
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0279	9.34	-0.01	53	698.9 -> 99.0	39.6	41.0	76.1



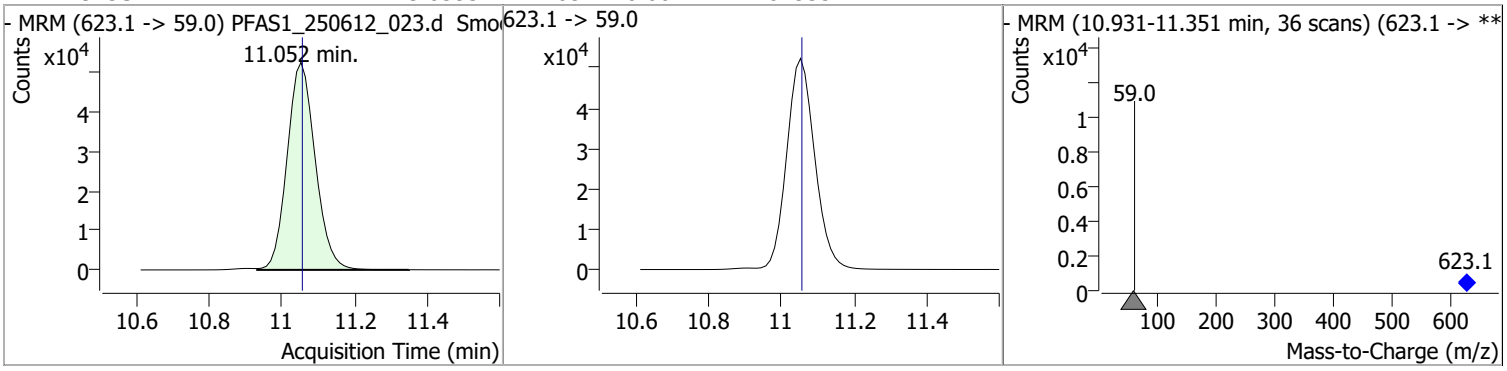
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5065	9.90	0.00	59091				



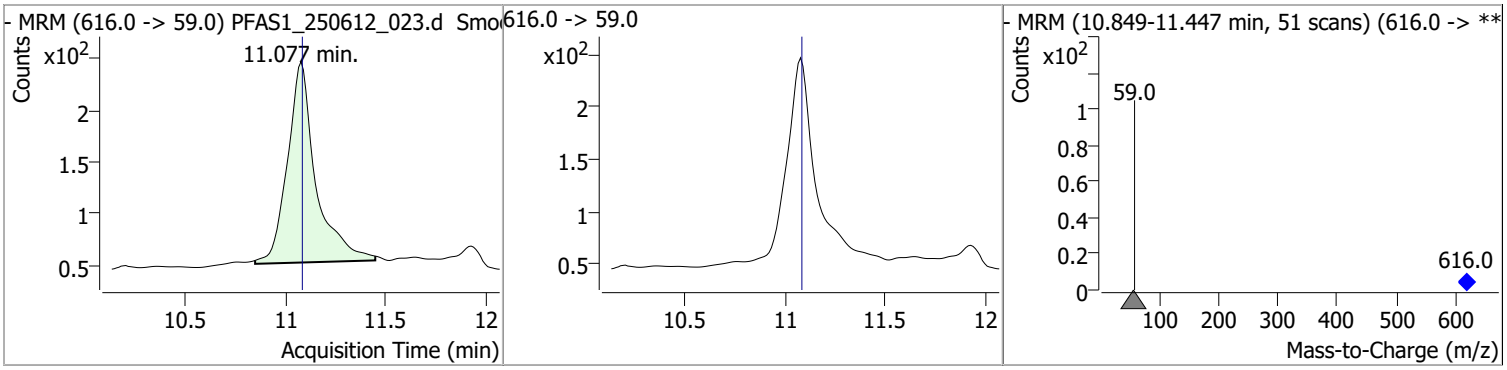
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0149	9.91	0.01	221	498.1 -> 478.0	6.1	2.6	4.8



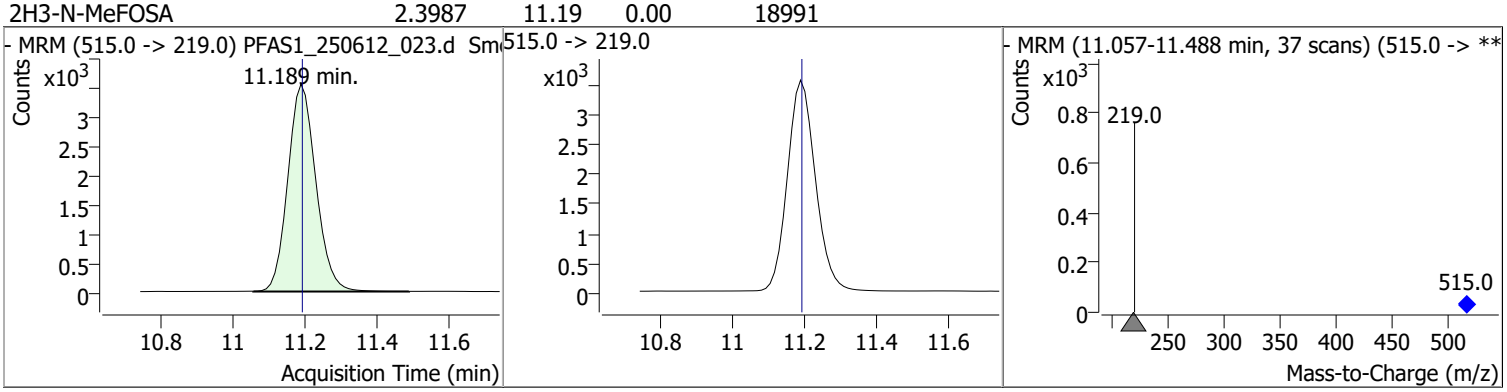
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.8353	11.05	0.00	281535				



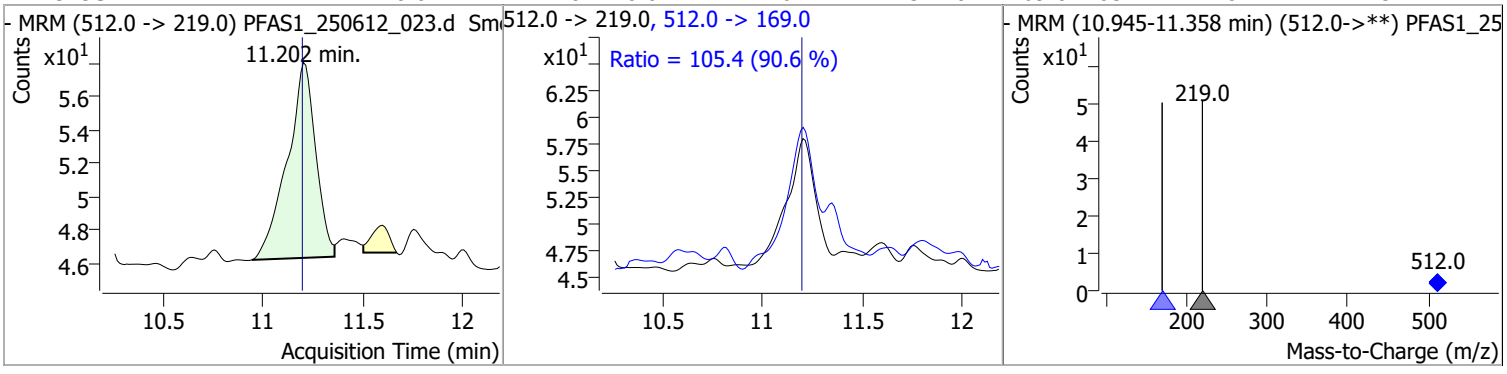
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.1022	11.08	0.00	1911				



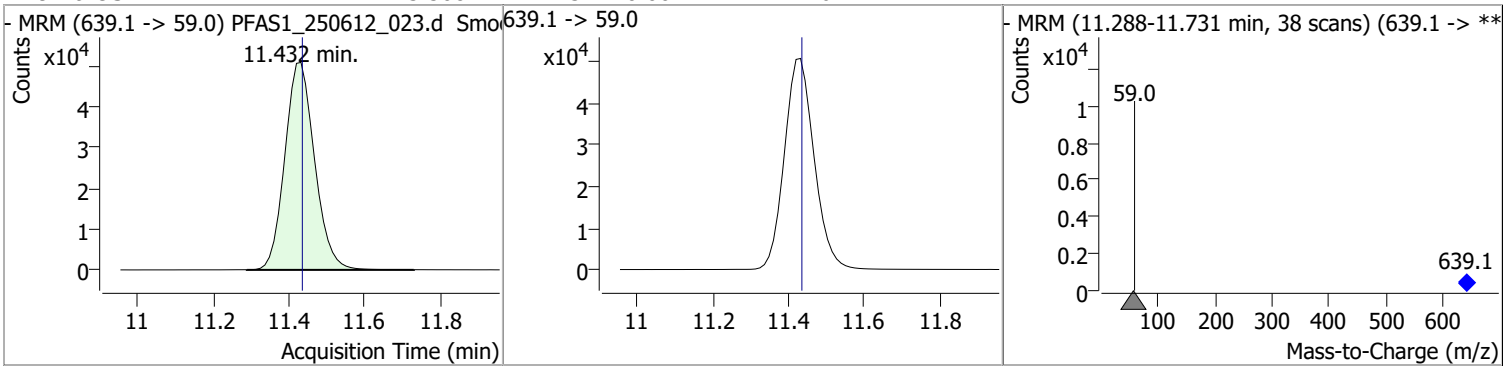
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3987	11.19	0.00	18991				



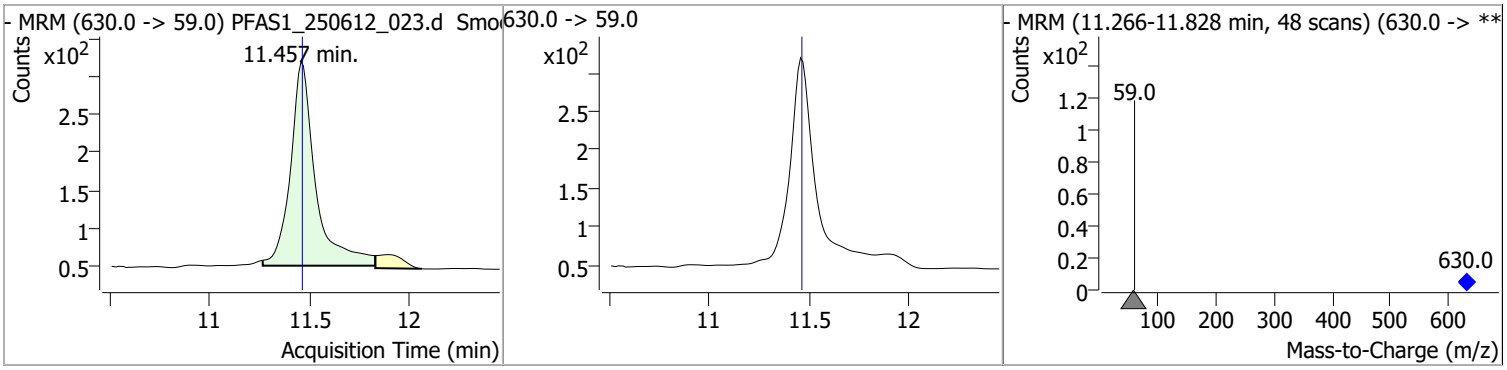
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0171	11.20	0.01	116	512.0 -> 169.0	105.4	81.4	151.2



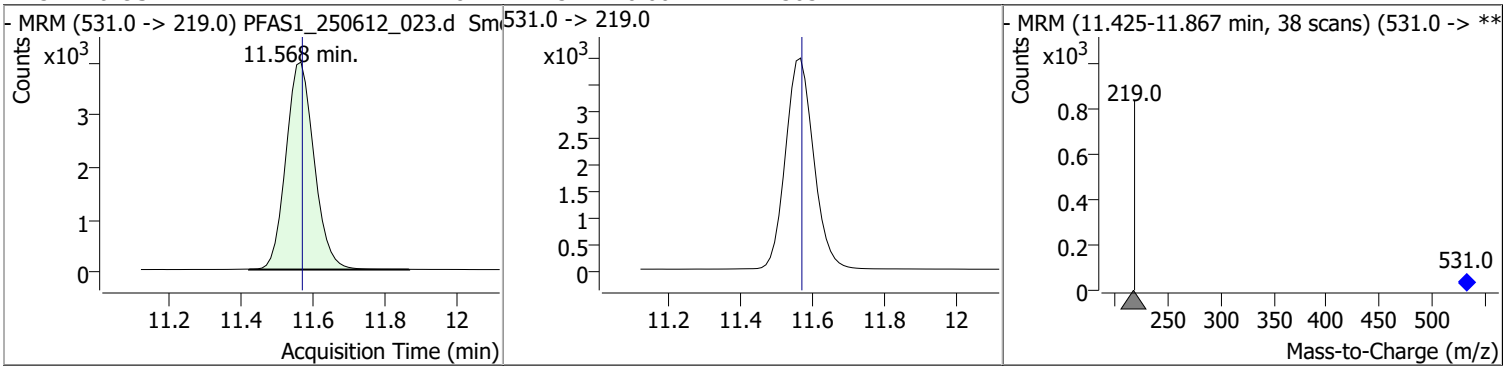
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.5087	11.43	0.00	277776				



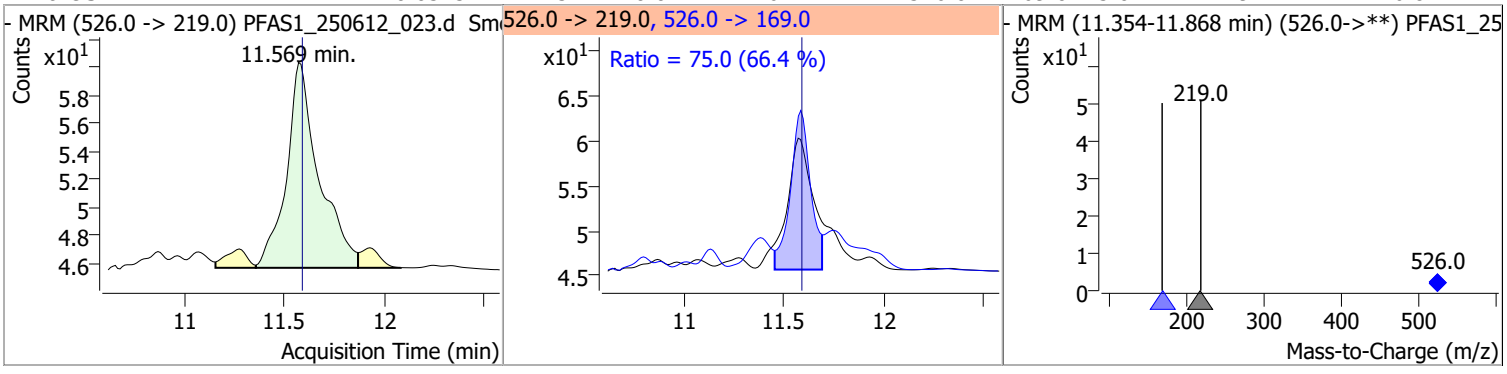
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0152	11.46	0.00	2359				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4718	11.57	0.00	21503				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0375	11.57	-0.01	167	526.0 -> 169.0	75.0	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_028.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:08:31 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

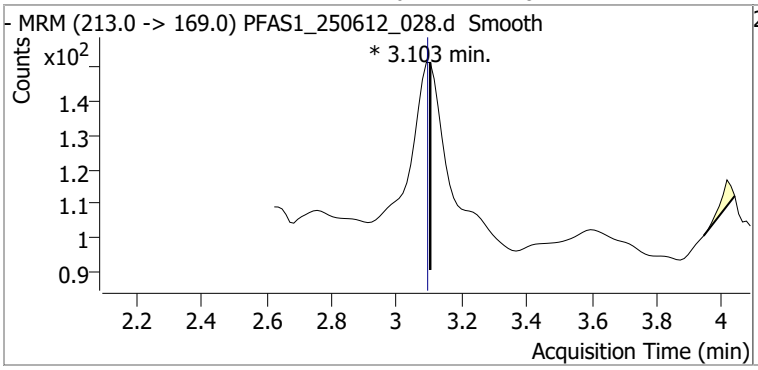
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	179851	5.0000	µg/L	13.702
13C2-PFHxA	5.479	315.0 -> 270.0	198242	2.5000	µg/L	10.951
18O2-PFHxS	6.808	403.0 -> 84.0	25699	2.5000	µg/L	9.354
13C4-PFOA	6.663	417.0 -> 172.0	22217	2.5000	µg/L	10.012
13C5-PFNA	7.125	468.0 -> 423.0	131971	1.2500	µg/L	10.272
13C2-PFDA	7.576	515.0 -> 470.0	138304	1.2500	µg/L	10.527
13C4-PFOS	7.757	503.0 -> 80.0	26465	2.5000	µg/L	6.007
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	414045	10.0000	µg/L	13.439
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.71%		
13C4-PFBA	3.095	217.0 -> 172.0	414045	10.0000	µg/L	13.439
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.71%		
13C5-PFPeA	4.594	268.0 -> 223.0	298634	5.0000	µg/L	10.701
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%		
13C5-PFPeA	4.594	268.0 -> 223.0	298634	5.0000	µg/L	10.701
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20007	5.0000	µg/L	24.152
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.12%		
13C5-PFHxA	5.478	318.0 -> 273.0	207479	2.5000	µg/L	12.760
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.61%		
13C5-PFHxA	5.478	318.0 -> 273.0	207479	2.5000	µg/L	12.760
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.61%		
13C3-PFBS	5.494	302.0 -> 80.0	49232	2.5000	µg/L	15.495
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 105.83%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	242030	10.0000	µg/L	9.086
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.29%		
13C4-PFHpA	6.142	367.0 -> 322.0	236259	2.5000	µg/L	10.817
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.83%		
13C3-PFHxS	6.797	402.0 -> 80.0	29088	2.5000	µg/L	7.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.63%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	13762	5.0000	µg/L	22.035
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.03%		
13C8-PFOA	6.662	421.0 -> 376.0	247830	2.5000	µg/L	9.710
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.64%		
13C3-PFHxS	6.797	402.0 -> 80.0	29088	2.5000	µg/L	7.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.63%		
13C9-PFNA	7.125	472.0 -> 427.0	135682	1.2500	µg/L	10.579
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.31%		
13C8-PFOS	7.756	507.0 -> 80.0	27984	2.5000	µg/L	13.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.73%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14027	5.0000	µg/L	13.969
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.29%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14027	5.0000	µg/L	13.969
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.29%		
13C6-PFDA	7.575	519.0 -> 474.0	149259	1.2500	µg/L	12.307

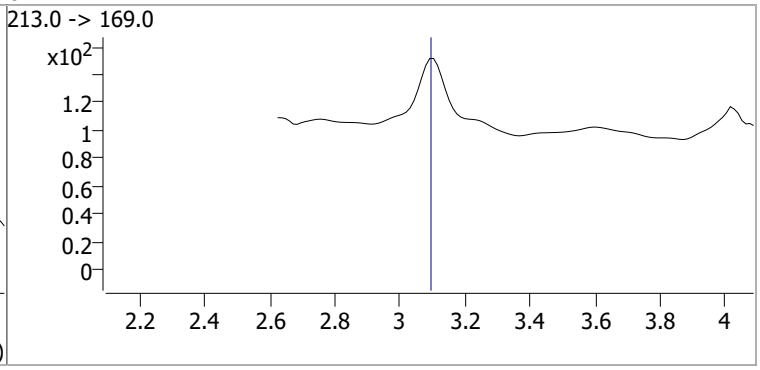
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.67%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	101320	5.0000	µg/L		9.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.55%			
13C8-PFOS	7.756	507.0 -> 80.0	27984	2.5000	µg/L		13.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.73%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79216	5.0000	µg/L		6.272
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 100.05%			
13C7-PFUnDA	7.999	570.0 -> 525.0	129798	1.2500	µg/L		12.512
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.83%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	106523	1.2500	µg/L		7.595
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.27%			
13C2-PFDoDA	8.424	615.0 -> 570.0	109213	1.2500	µg/L		8.941
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.49%			
13C2-PFTDA	9.197	715.0 -> 670.0	103833	1.2500	µg/L		6.216
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.02%			
13C8-PFOSA	9.909	506.0 -> 78.0	60002	2.5000	µg/L		9.704
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.27%			
2H7-MeFOSE	11.052	623.1 -> 59.0	279641	25.0000	µg/L		1.795
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 96.06%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18972	2.5000	µg/L		3.368
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.22%			
2H9-EtFOSE	11.432	639.1 -> 59.0	275217	25.0000	µg/L		0.161
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.51%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21703	2.5000	µg/L		7.457
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.22%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.794	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.030	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.402	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.483	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.748	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.860	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.132	341.0 -> 237.0	400	0.7055	µg/L		79
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.240	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.333	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.460	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	809	0.0184	µg/L		93
PFHxS	6.798	398.9 -> 80.0	119	0.0031	µg/L	#	19
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.319	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.361	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.474	441.0 -> 317.0	359	0.7013	µg/L	#	37
PFDA	7.552	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.680	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	429	0.0064	µg/L		82
N-EtFOSAA	7.951	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	8.000	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.074	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.618	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.829	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.891	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.198	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.344	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.089	616.0 -> 59.0	481	0.0000	µg/L		100
N-MeFOSA	11.394	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	674	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	0	0.0000	µg/L	md	

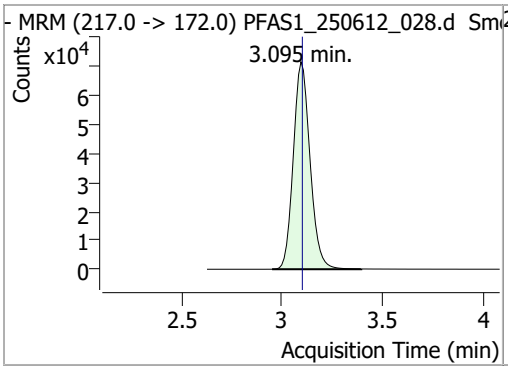
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

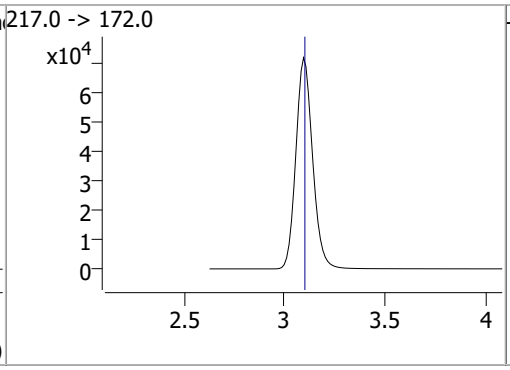
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

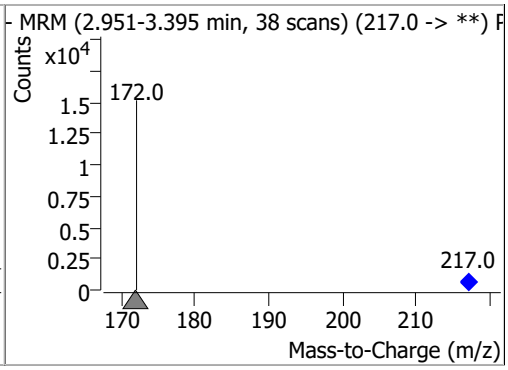




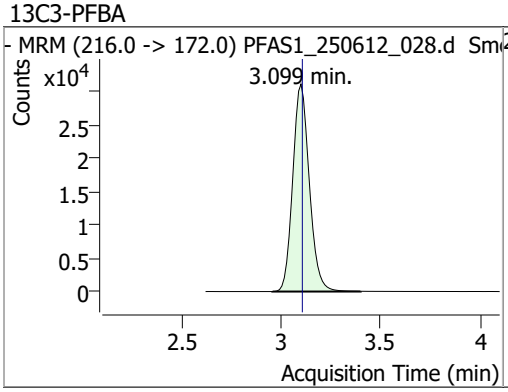
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9712	3.09	0.00	414045				

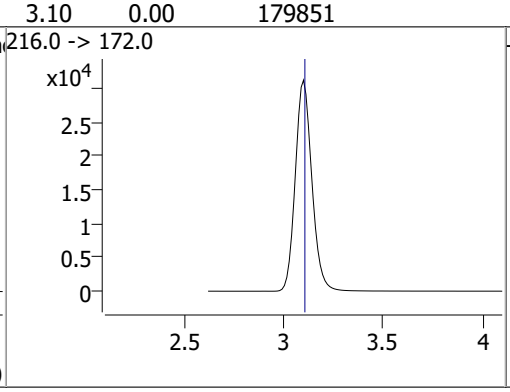


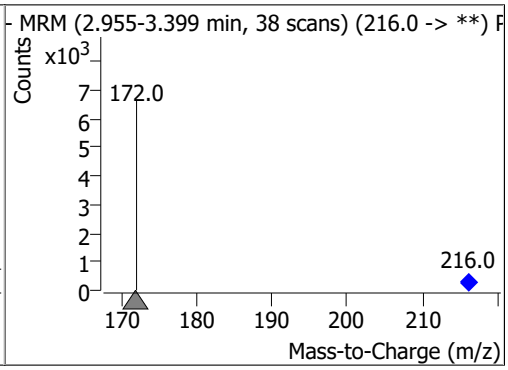




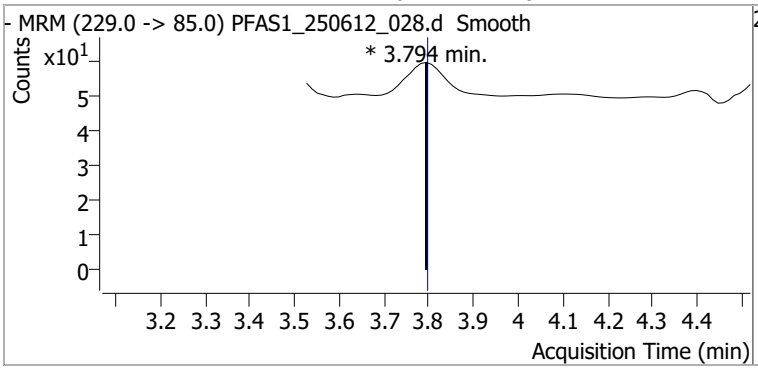
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	179851				

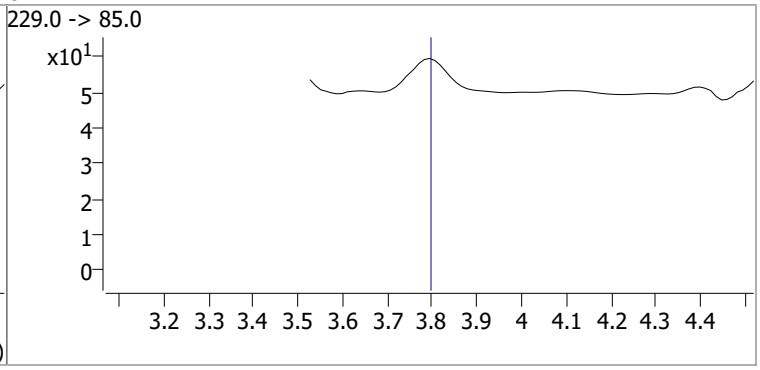




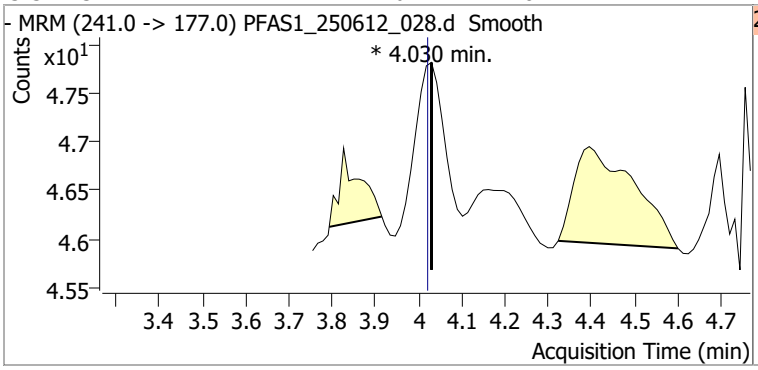


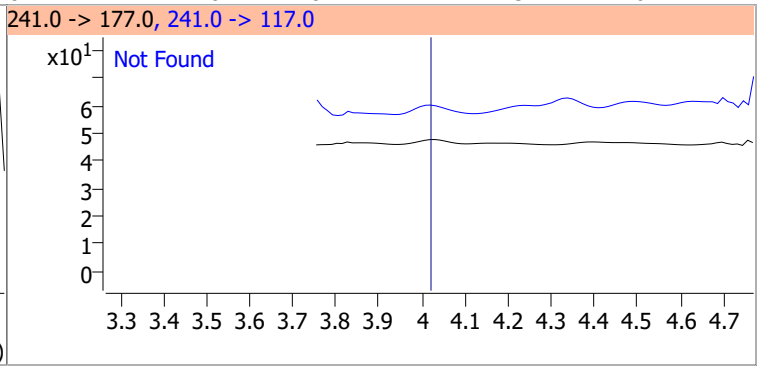
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



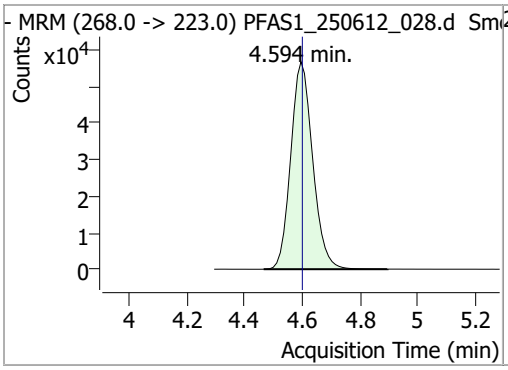


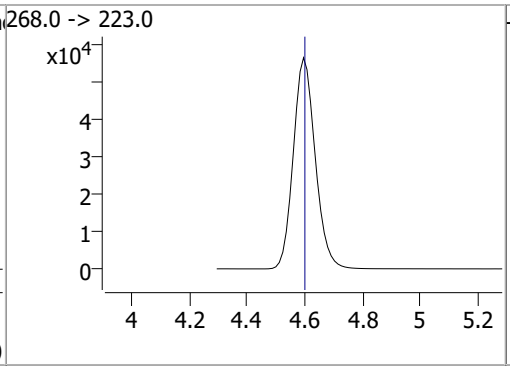
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

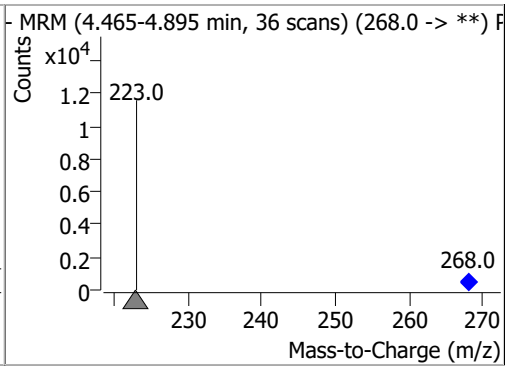




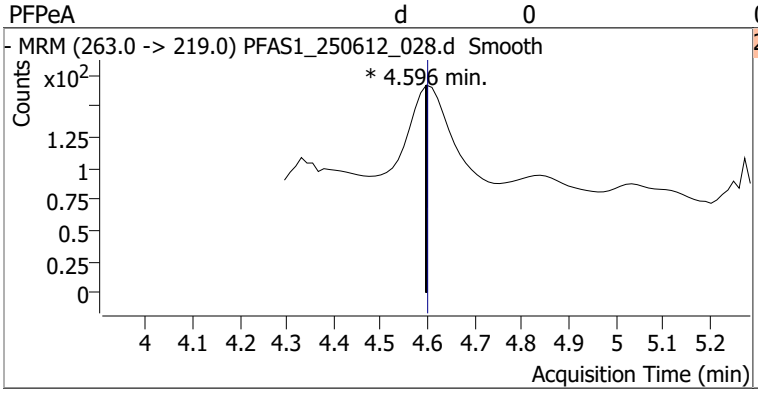
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9904	4.59	0.00	298634				

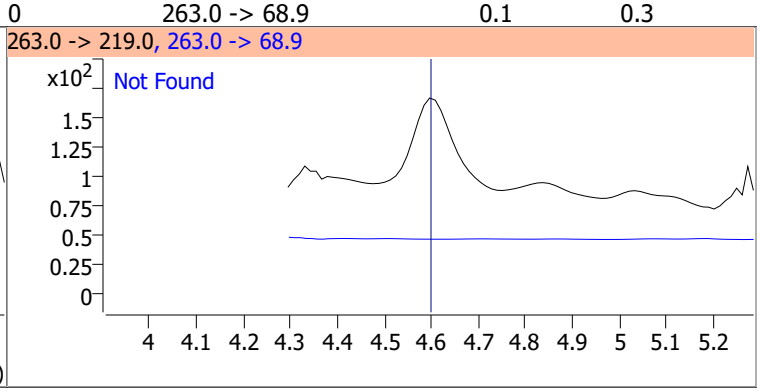




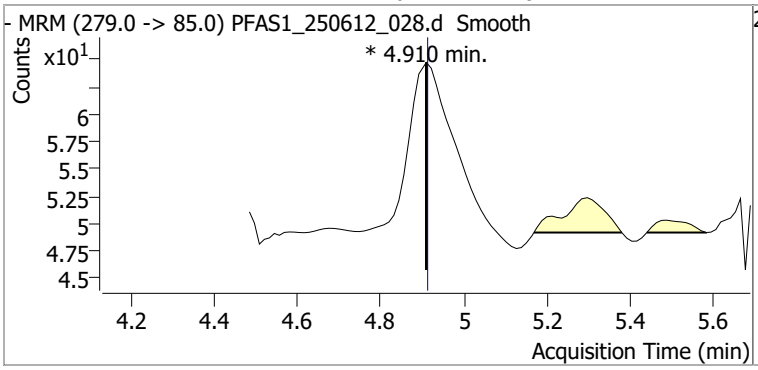


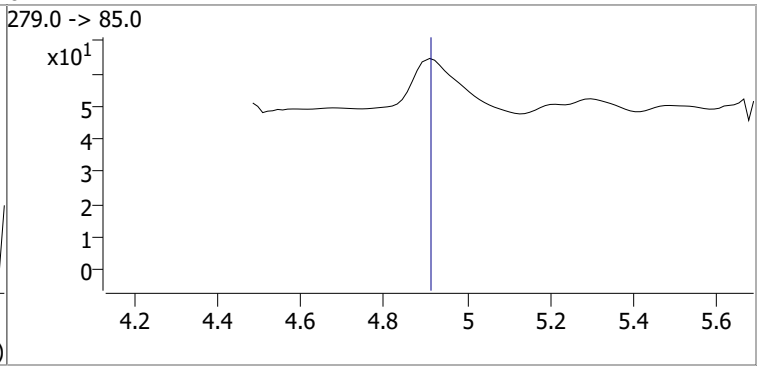
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



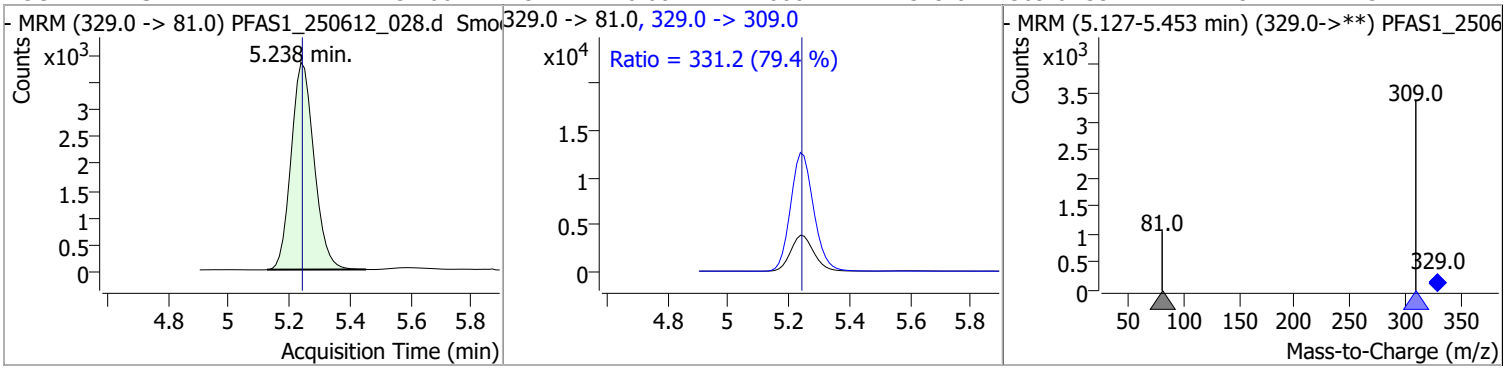


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

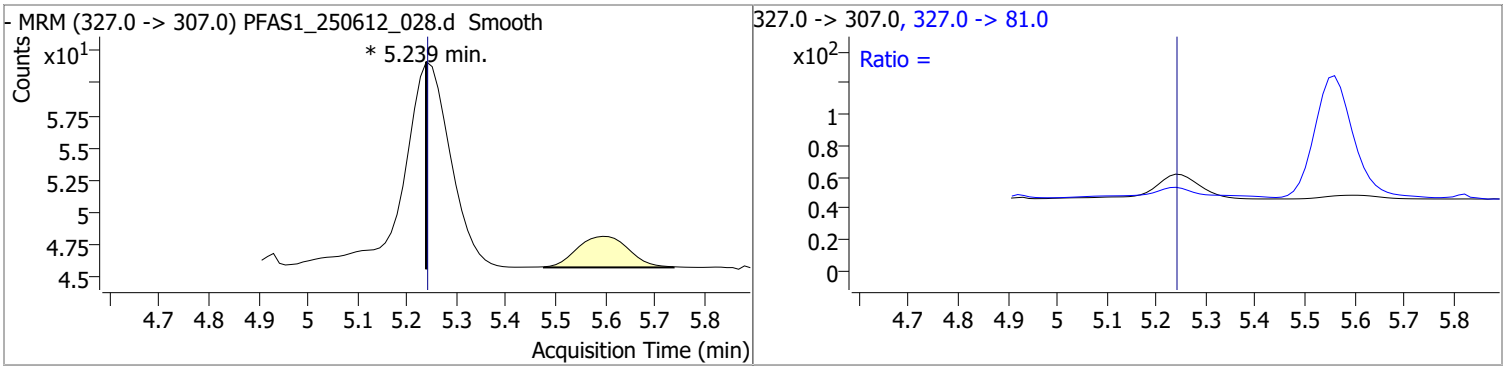




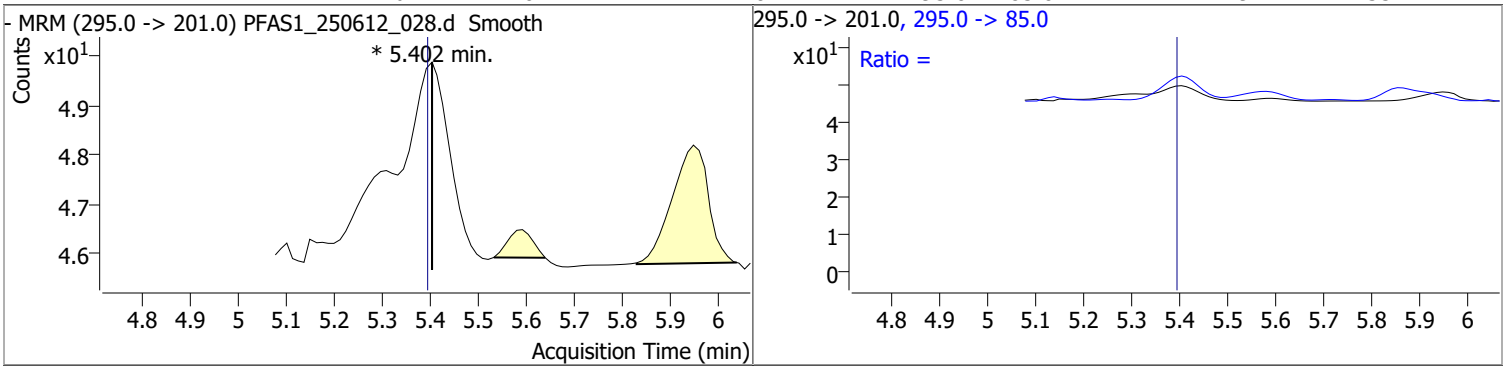
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7062	5.24	0.00	20007	329.0 -> 309.0	331.2	292.1	542.4



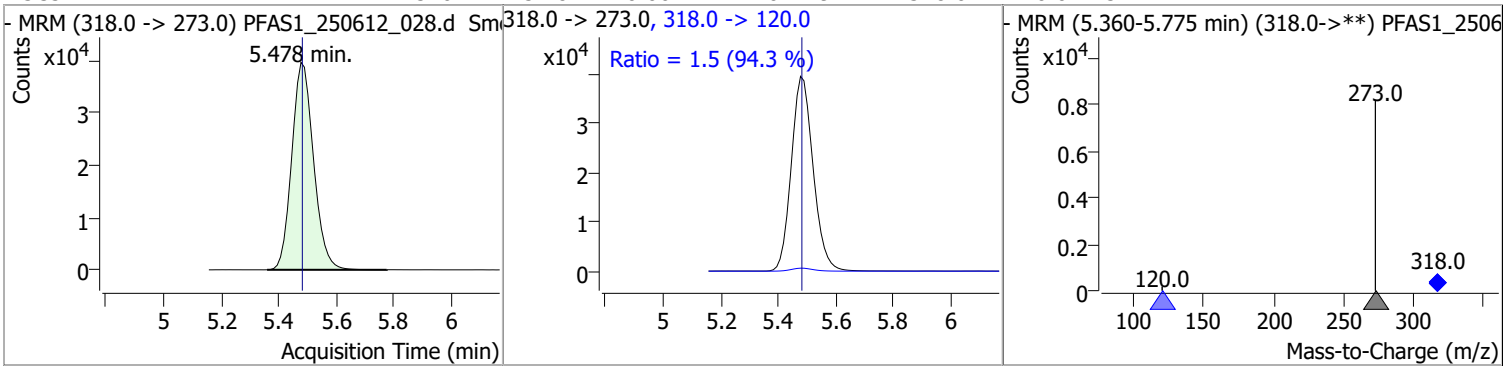
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



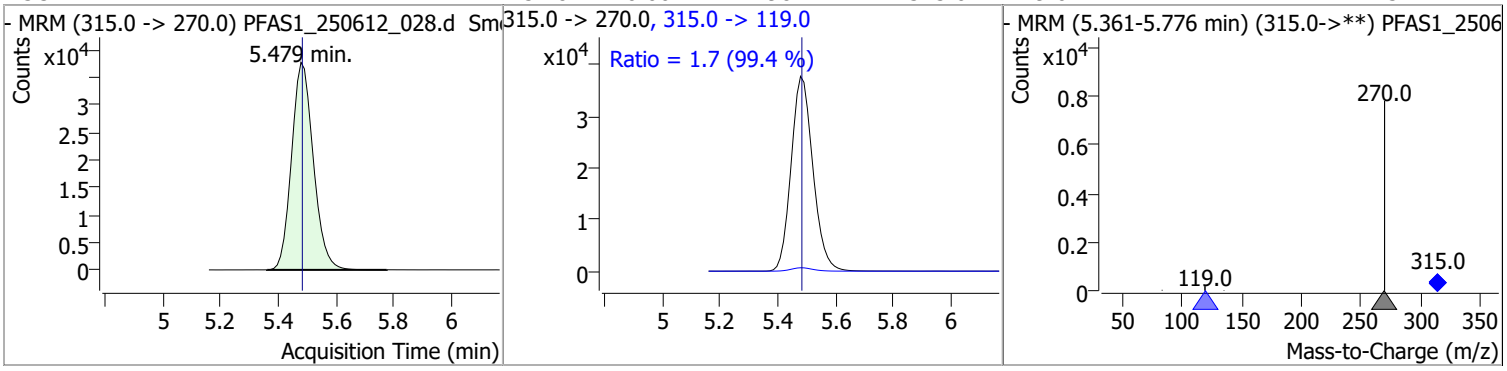
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



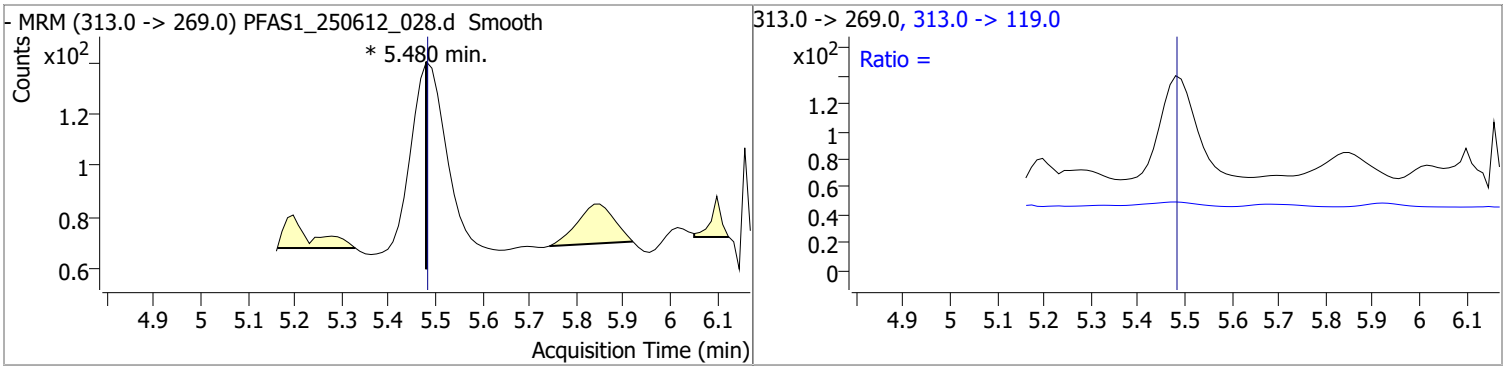
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5404	5.48	0.00	207479	318.0 -> 120.0	1.5	1.1	2.1



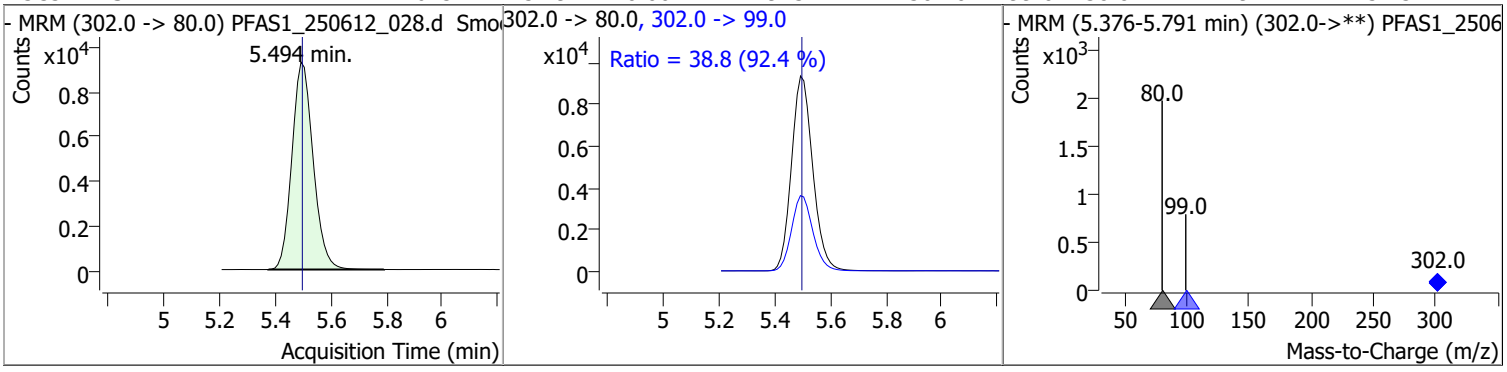
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	198242	315.0 -> 119.0	1.7	1.2	2.3



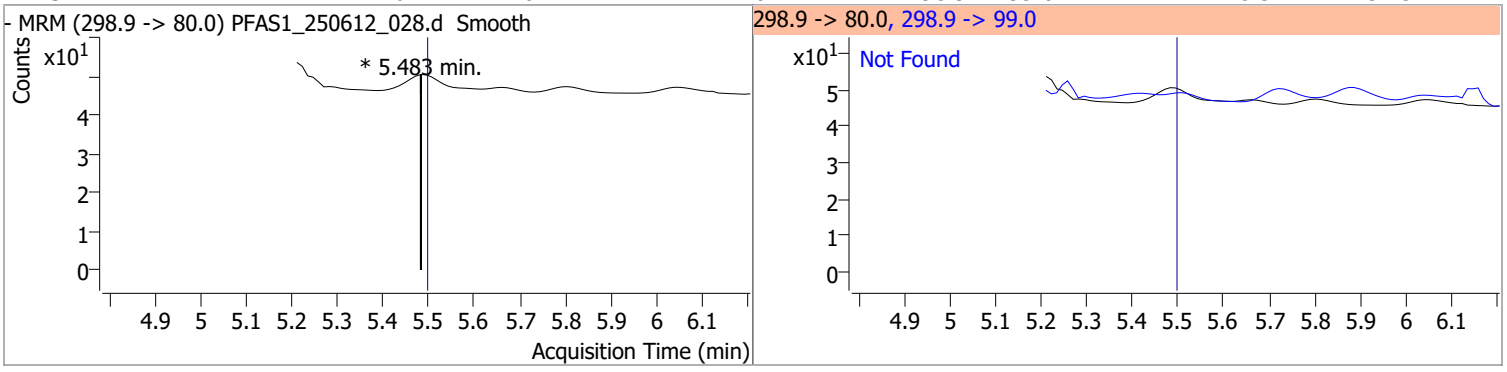
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



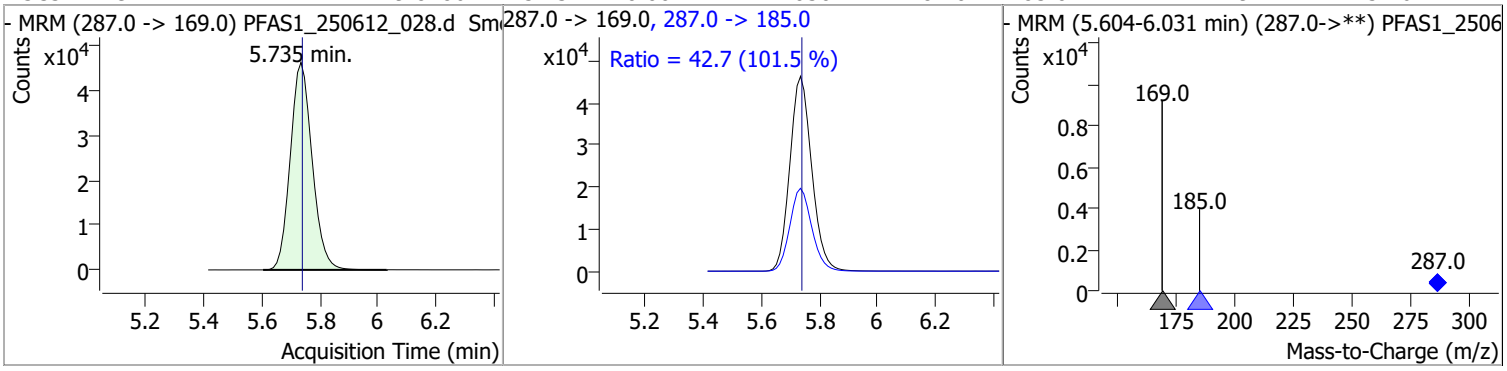
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6457	5.49	0.00	49232	302.0 -> 99.0	38.8	29.4	54.5



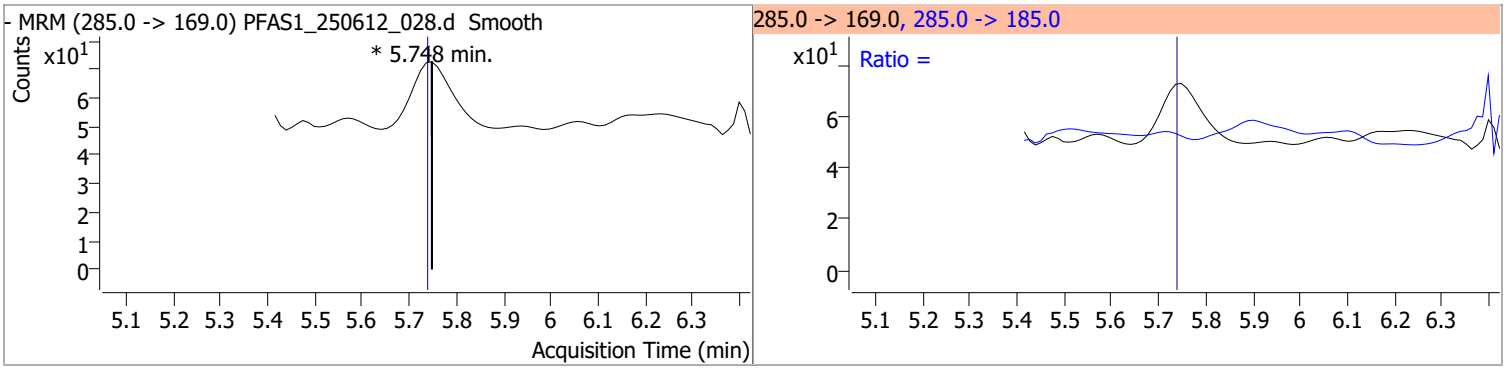
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



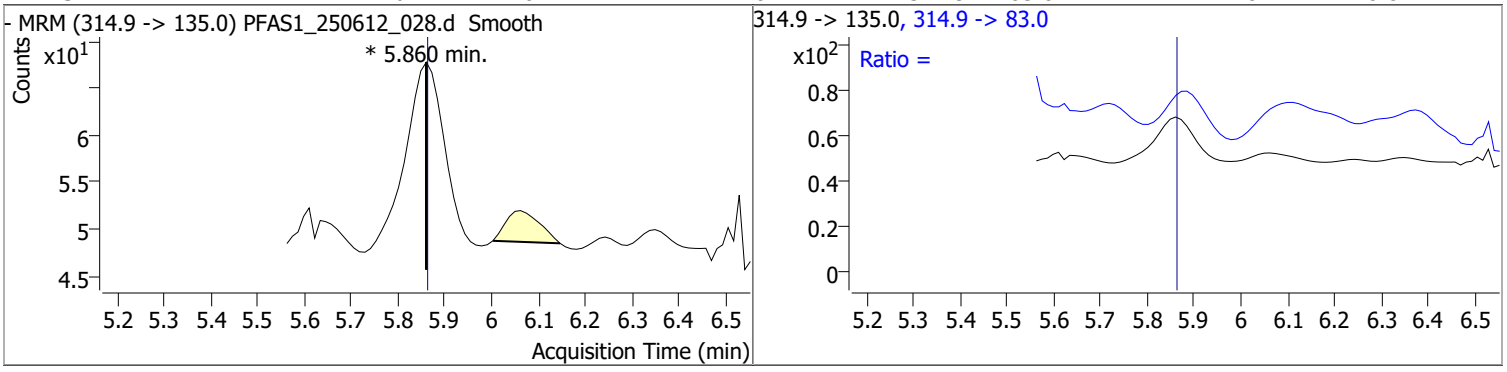
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8286	5.73	0.00	242030	287.0 -> 185.0	42.7	29.4	54.6



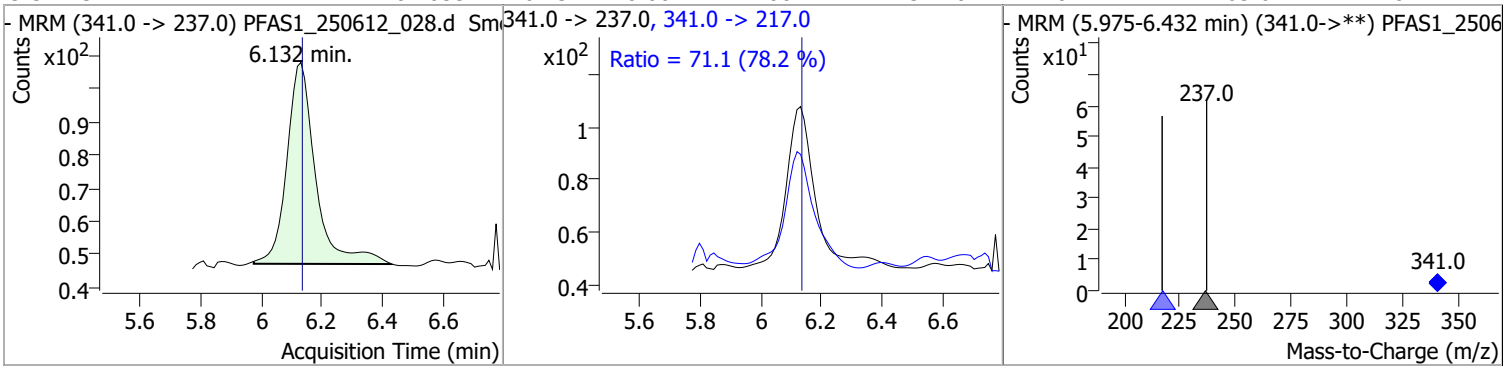
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



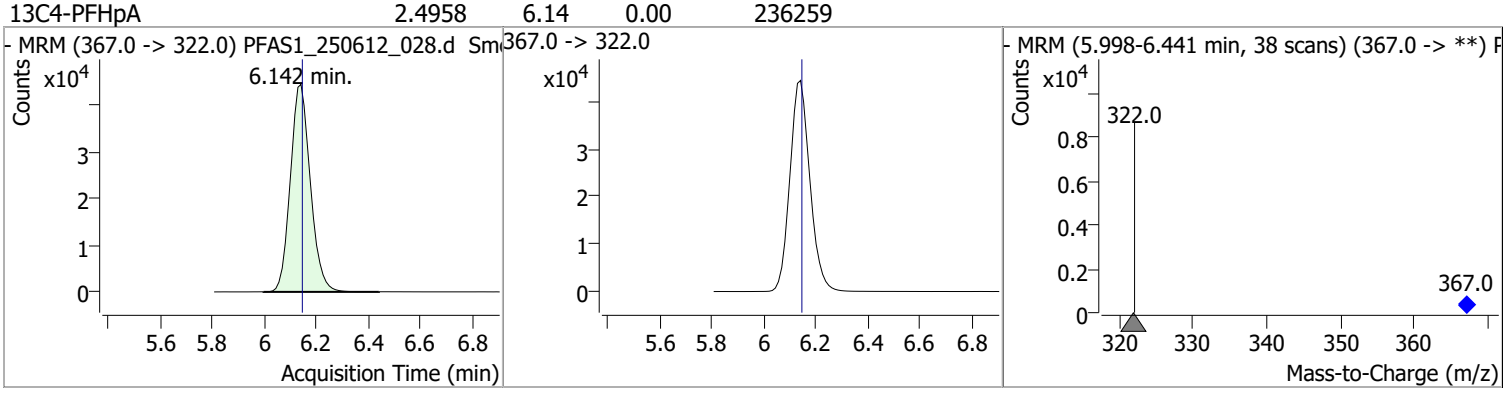
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



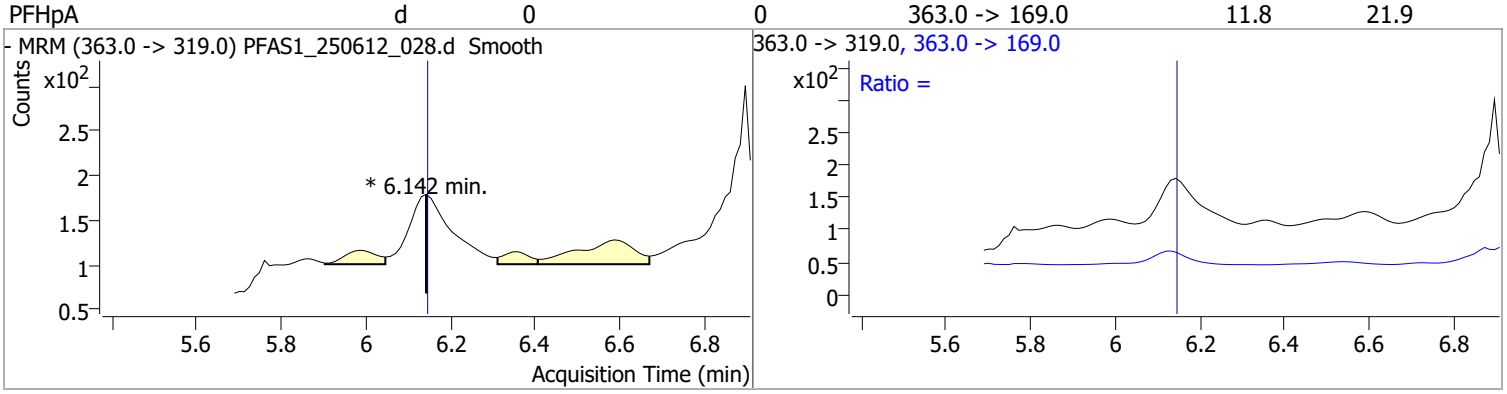
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.7055	6.13	0.00	400	341.0 -> 217.0	71.1	63.6	118.1



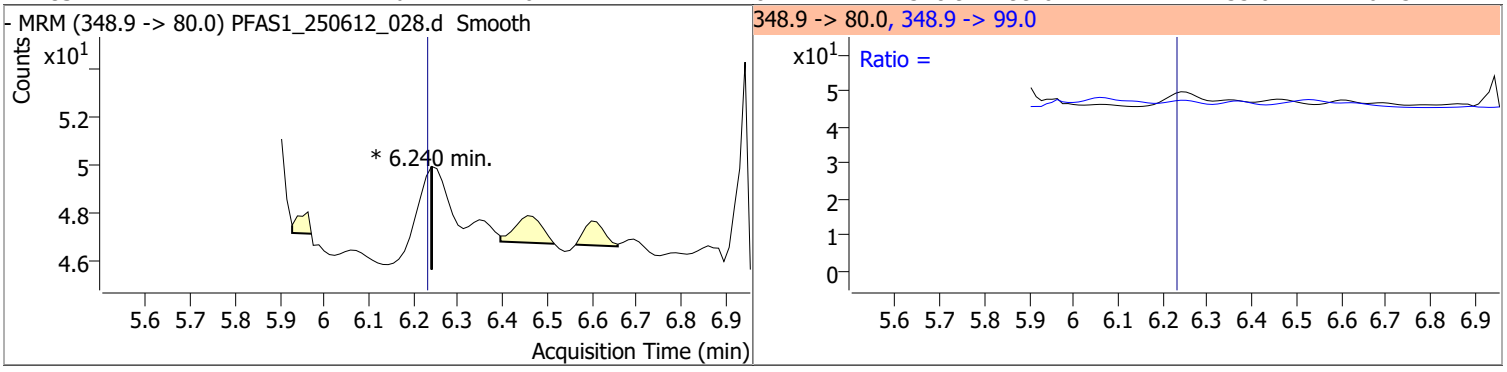
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4958	6.14	0.00	236259				



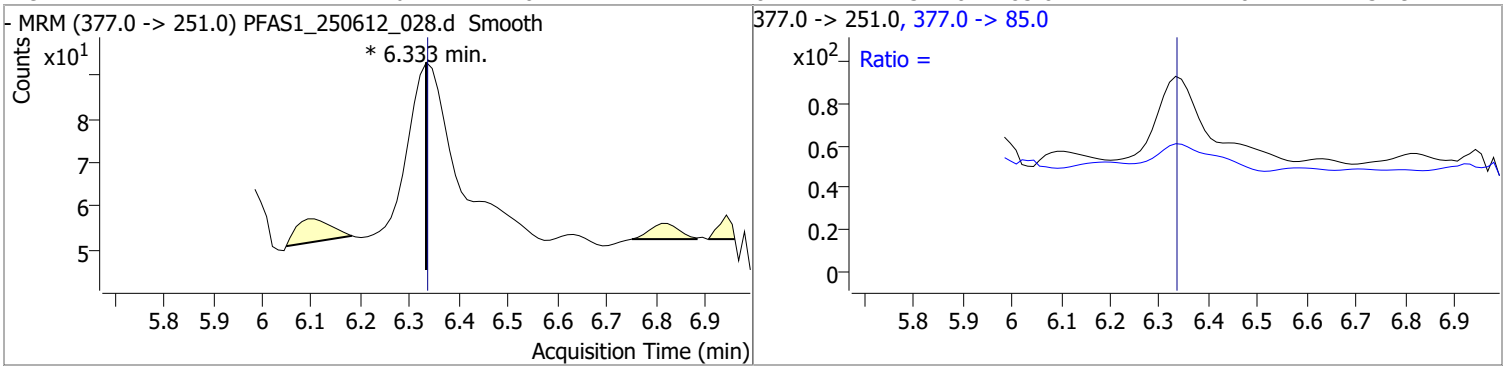
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



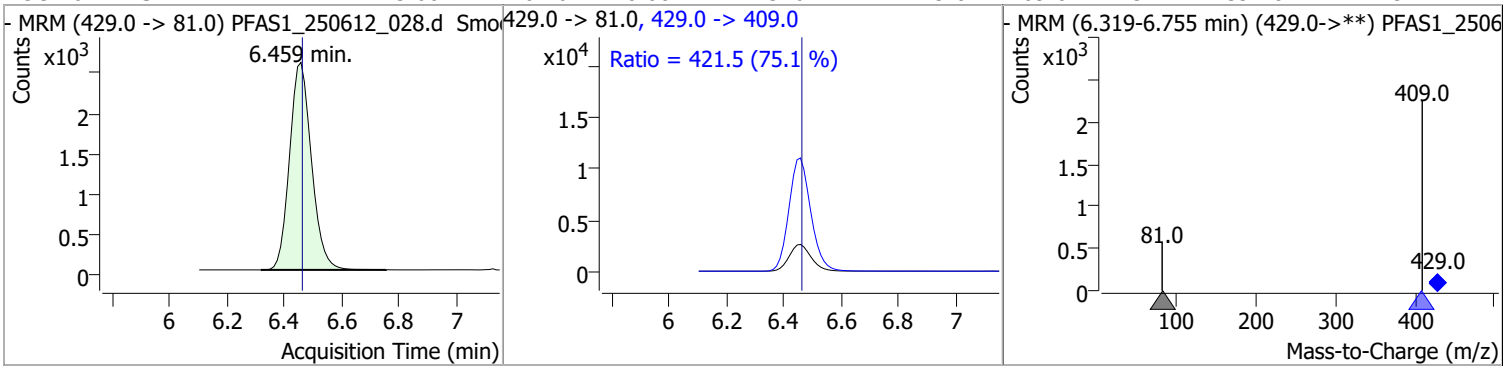
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



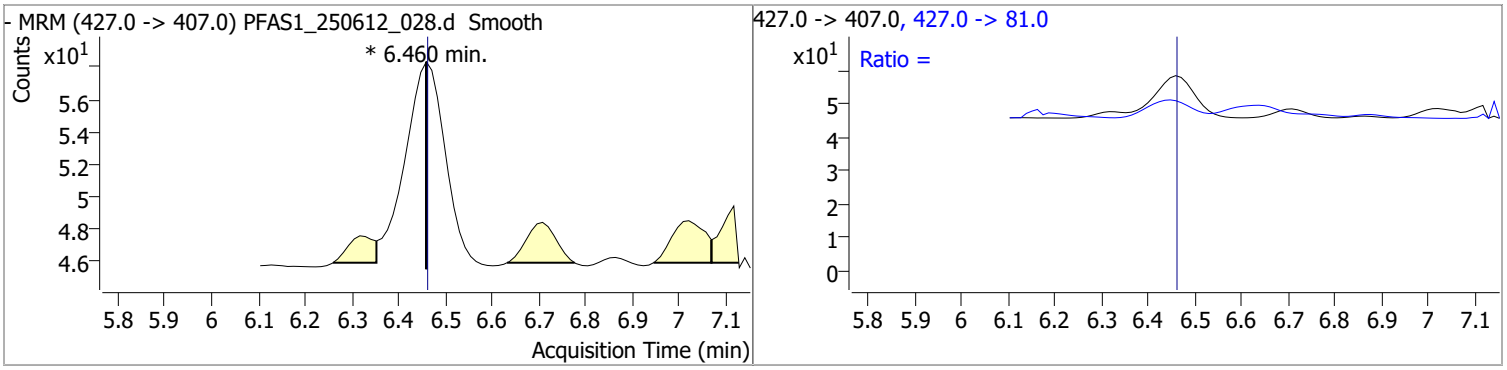
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



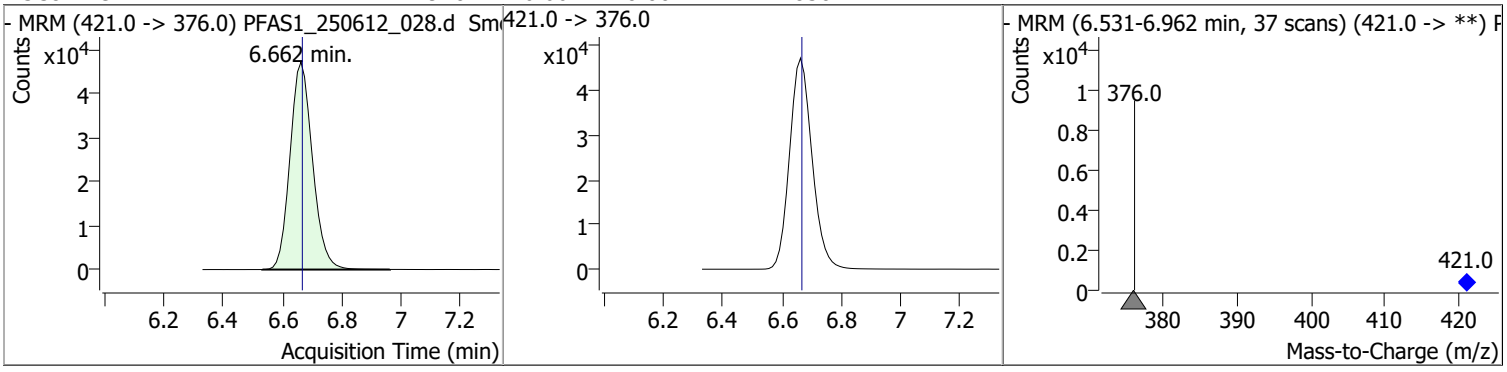
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6014	6.46	0.00	13762	429.0 -> 409.0	421.5	392.8	729.4



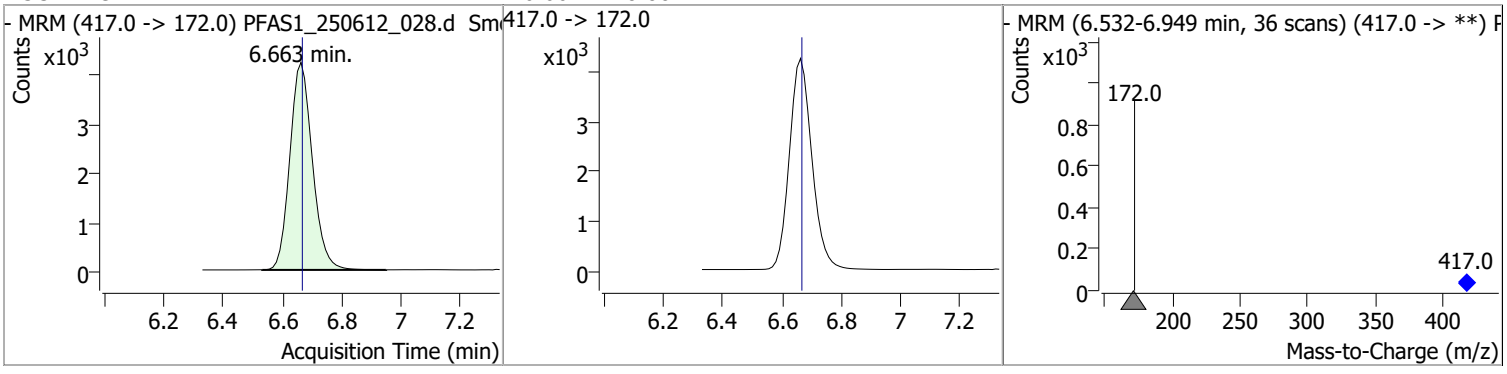
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



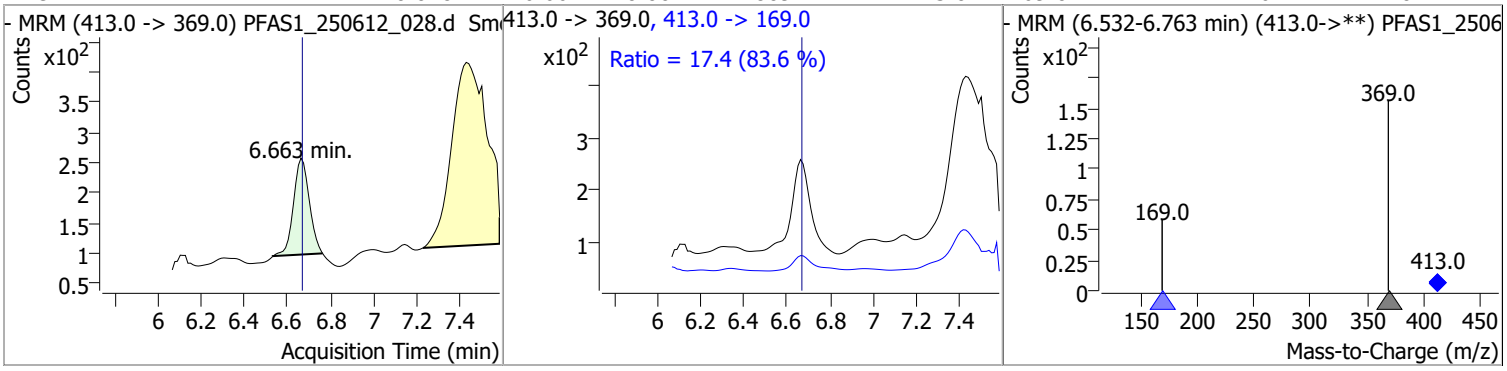
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4910	6.66	0.00	247830				



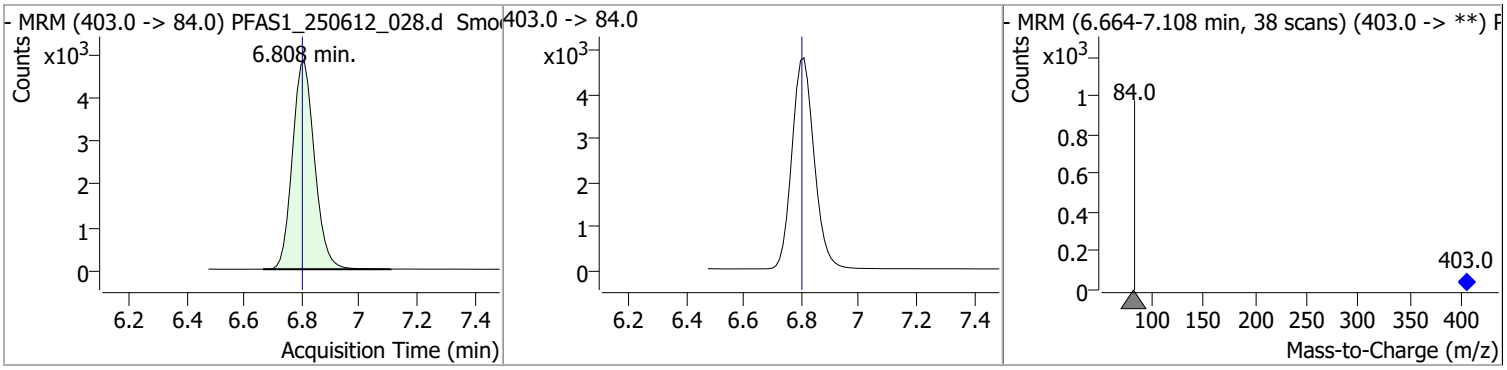
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	22217				



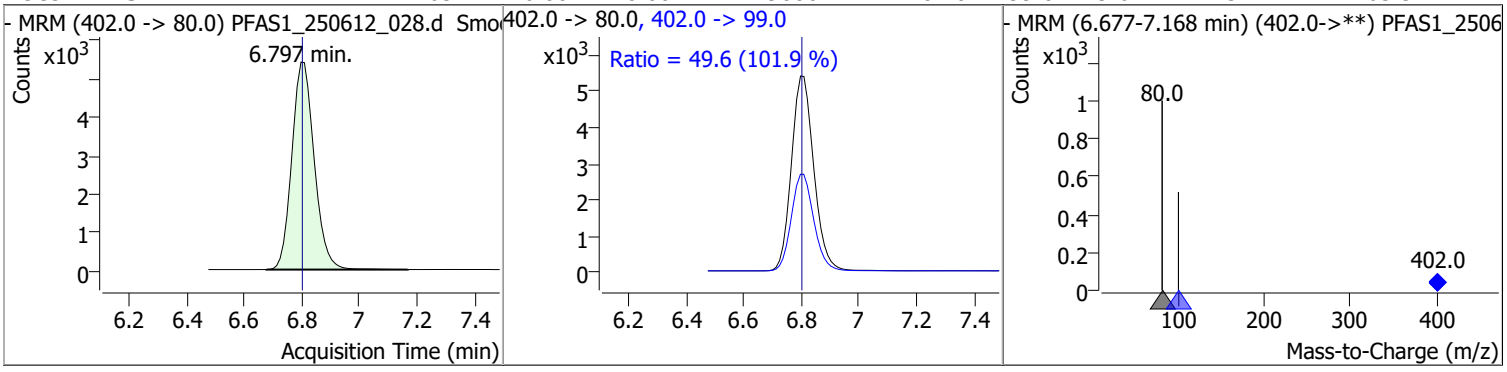
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0184	6.66	0.00	809	413.0 -> 169.0	17.4	14.6	27.0



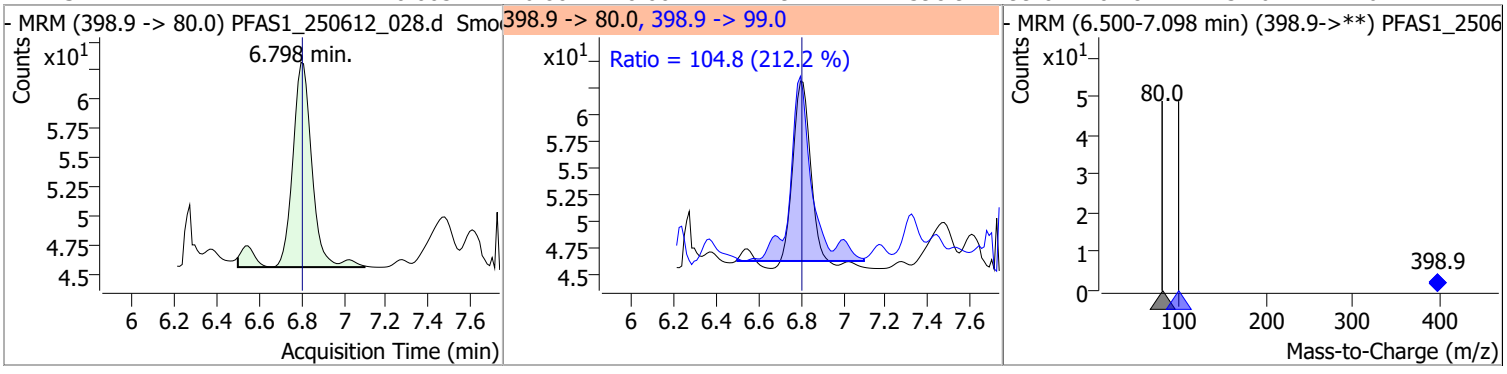
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	25699				



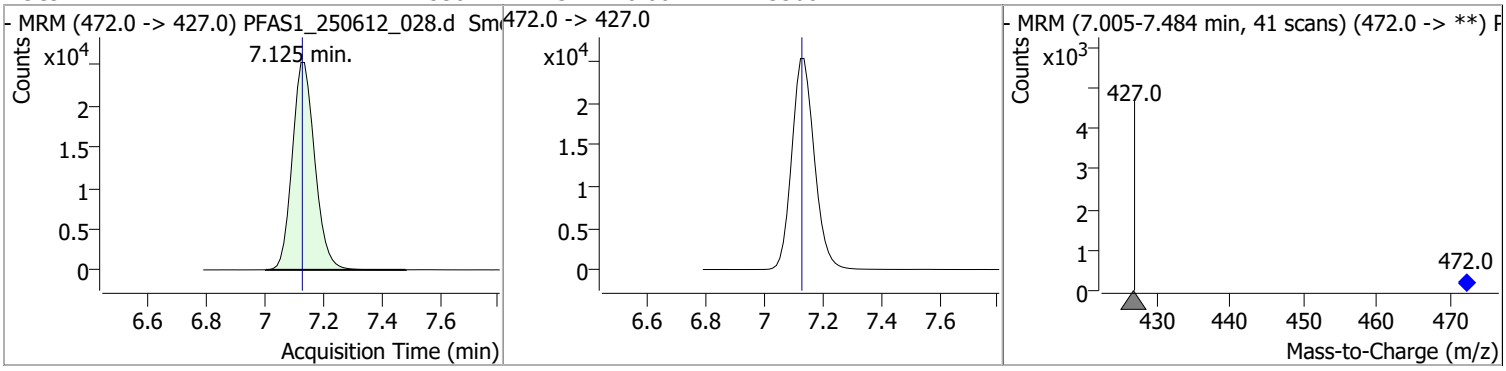
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4657	6.80	0.00	29088	402.0 -> 99.0	49.6	34.1	63.3



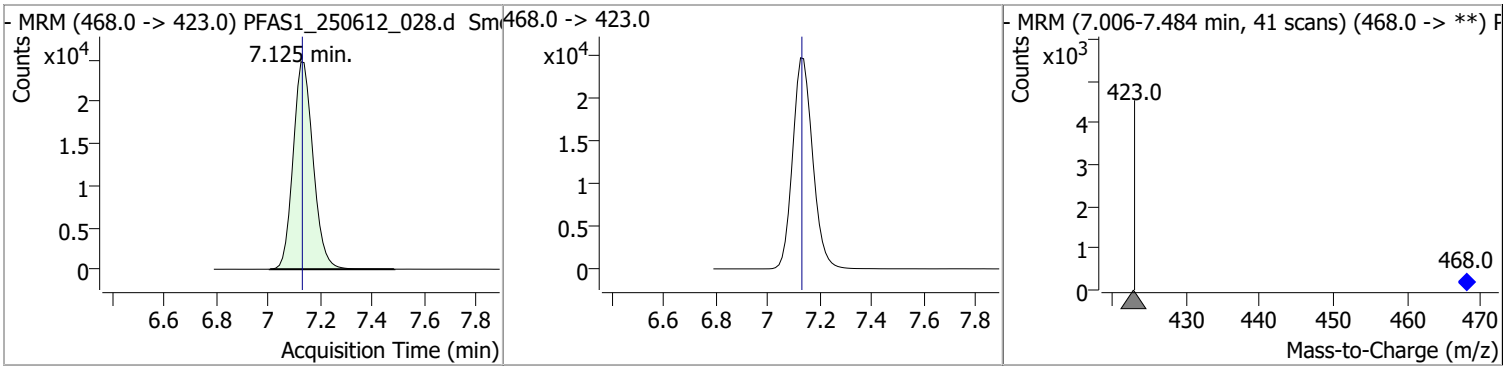
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0031	6.80	0.00	119	398.9 -> 99.0	104.8	34.6	64.2



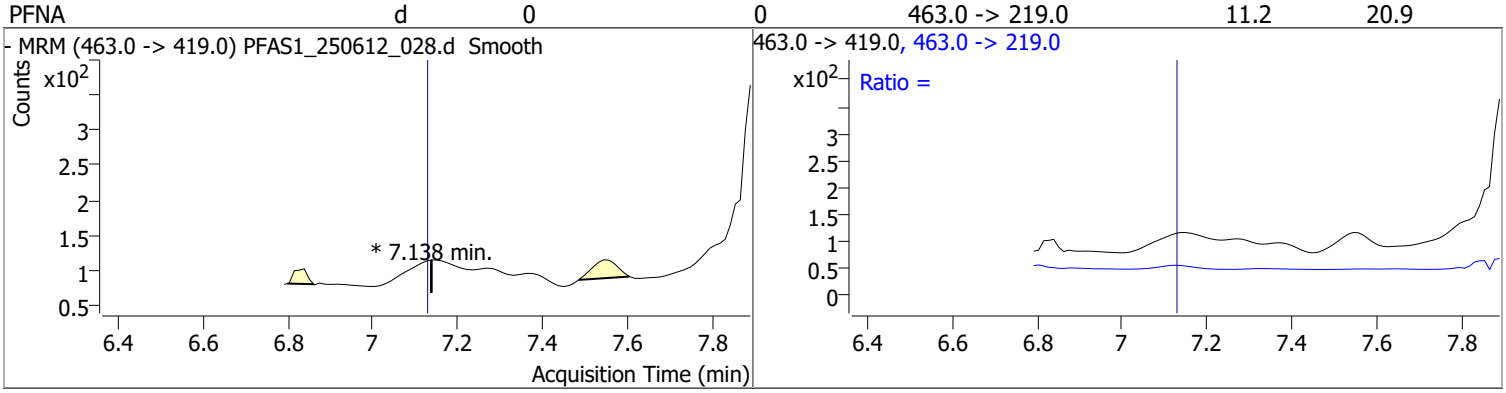
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2538	7.13	0.00	135682				



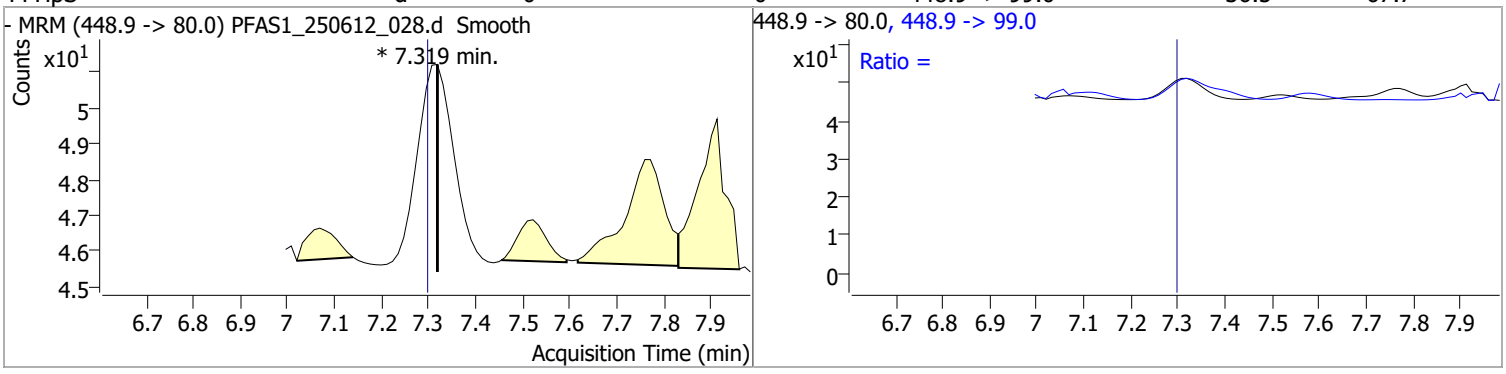
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	131971				



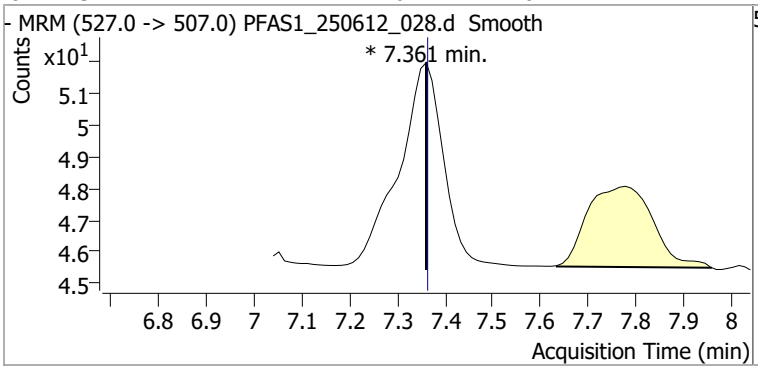
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

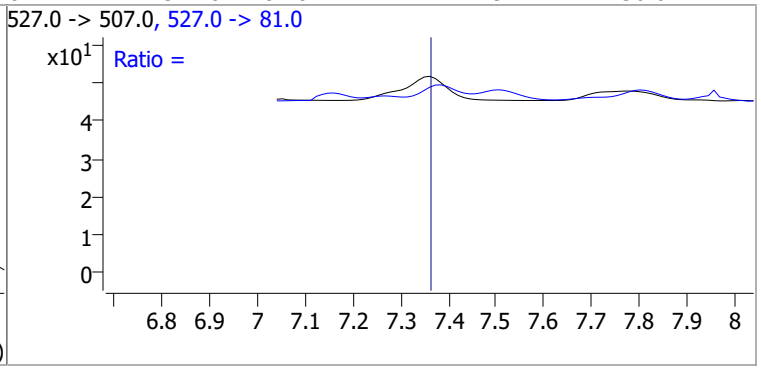


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

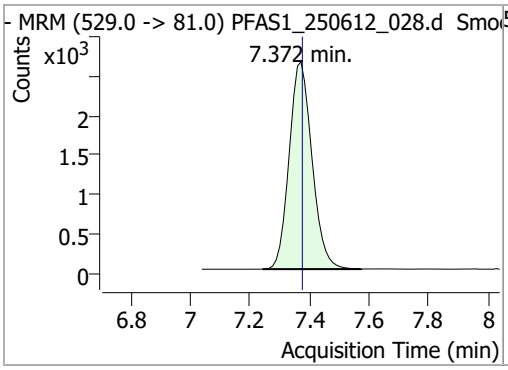


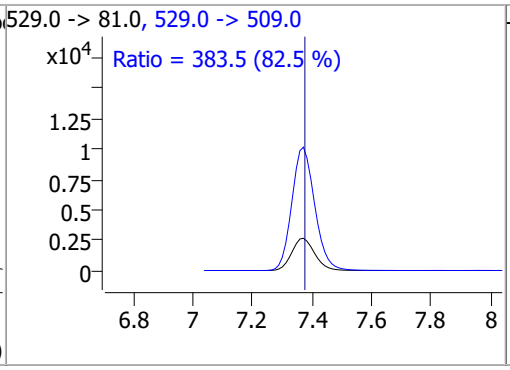
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

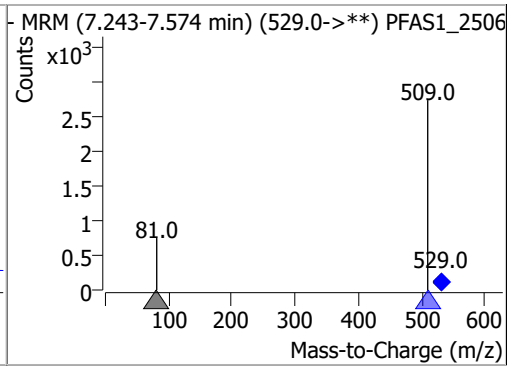




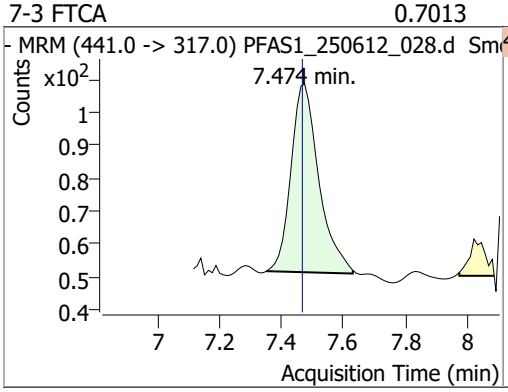
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2143	7.37	0.00	14027	529.0 -> 509.0	383.5	325.6	604.6

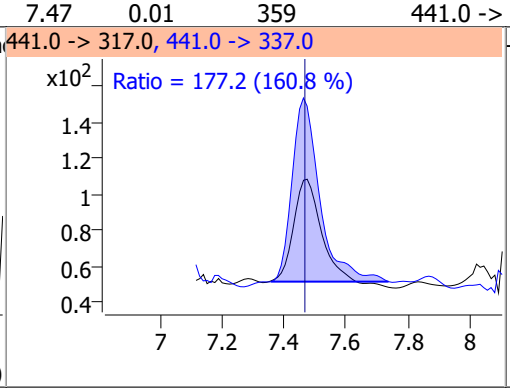


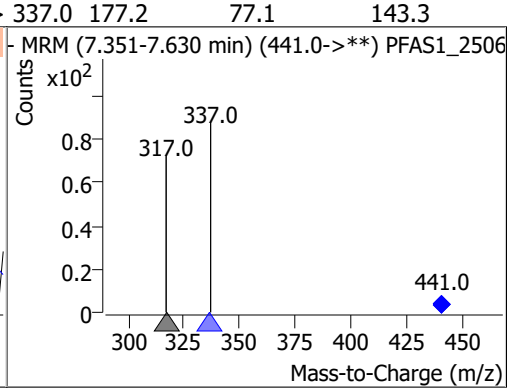




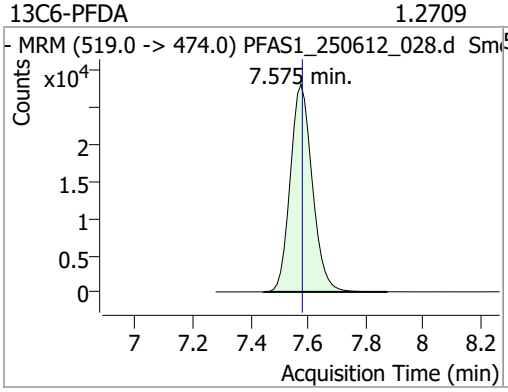
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.7013	7.47	0.01	359	441.0 -> 337.0	177.2	77.1	143.3

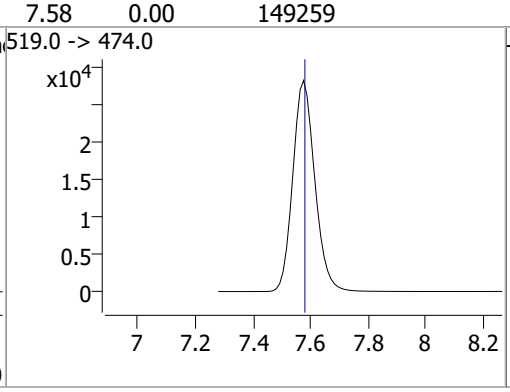


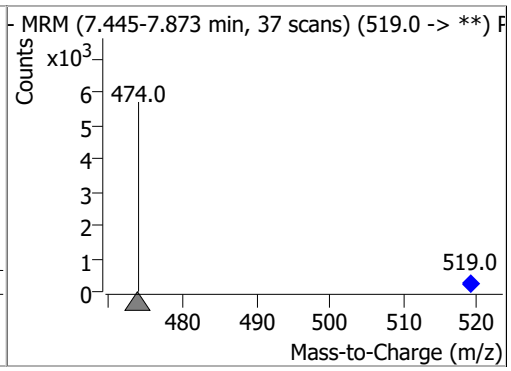




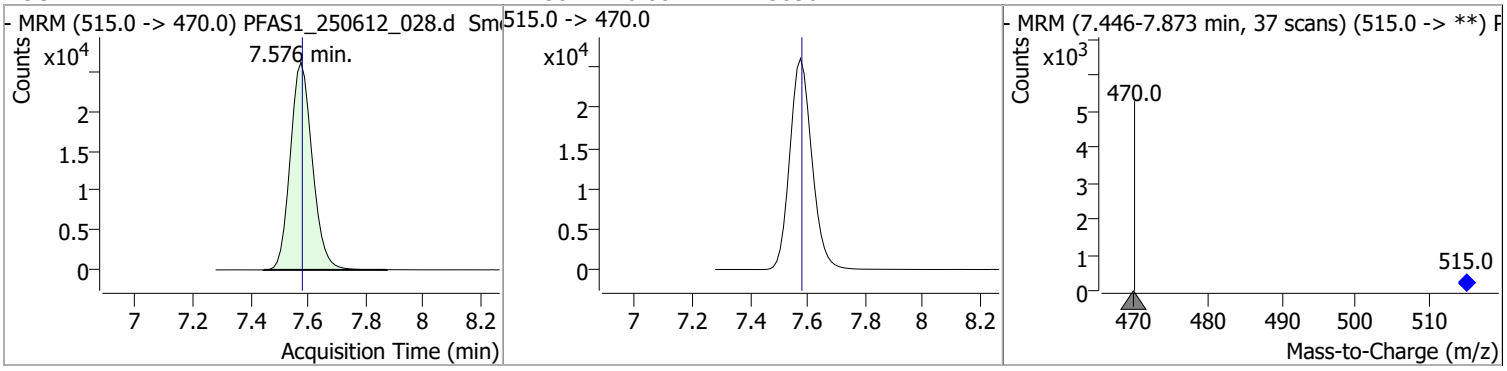
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2709	7.58	0.00	149259				



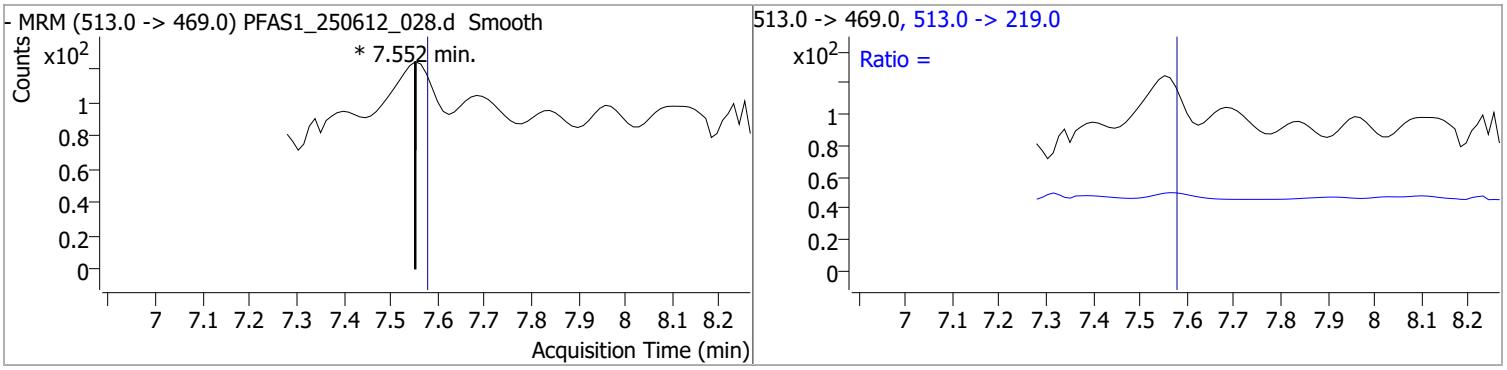




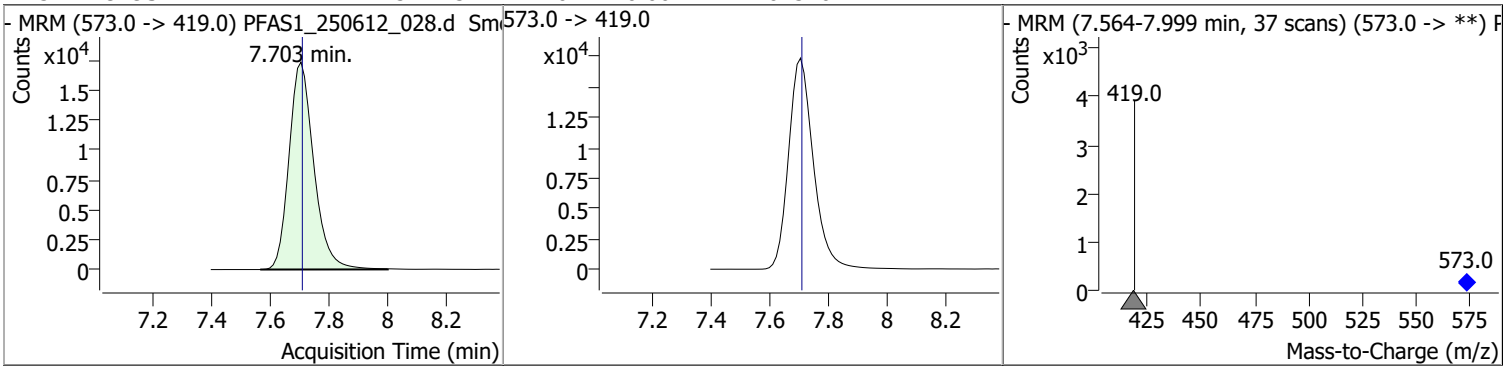
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	138304				



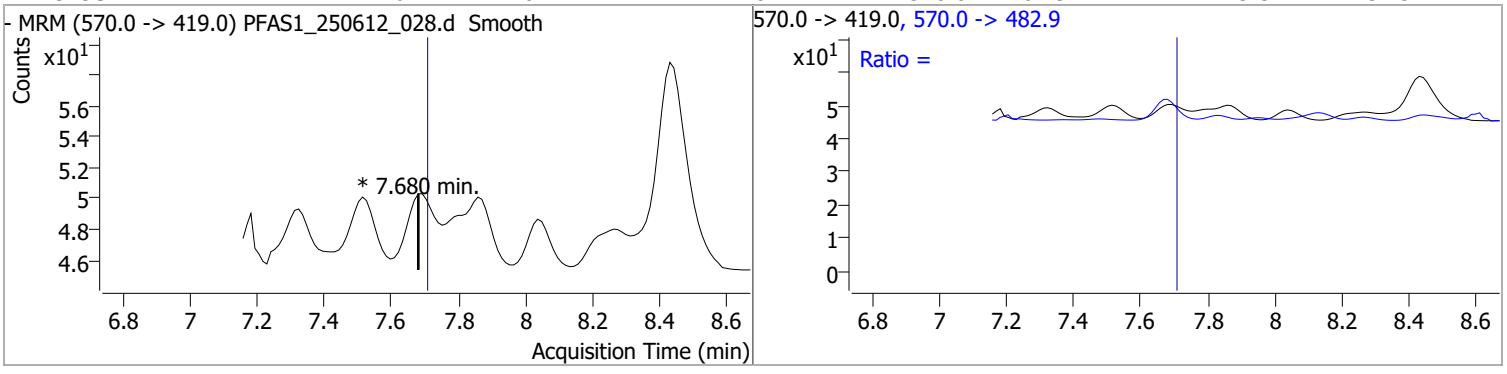
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



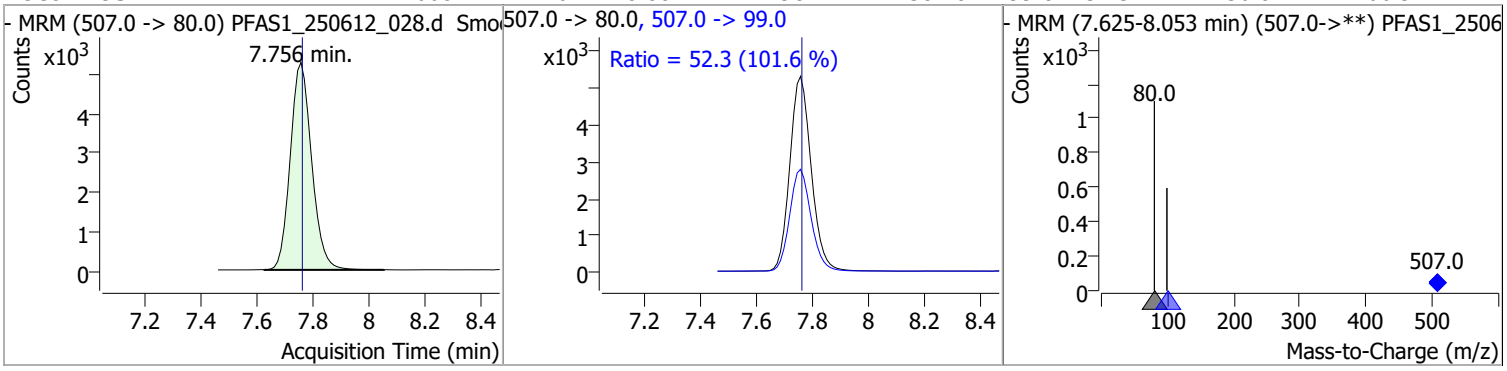
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1273	7.70	0.00	101320				



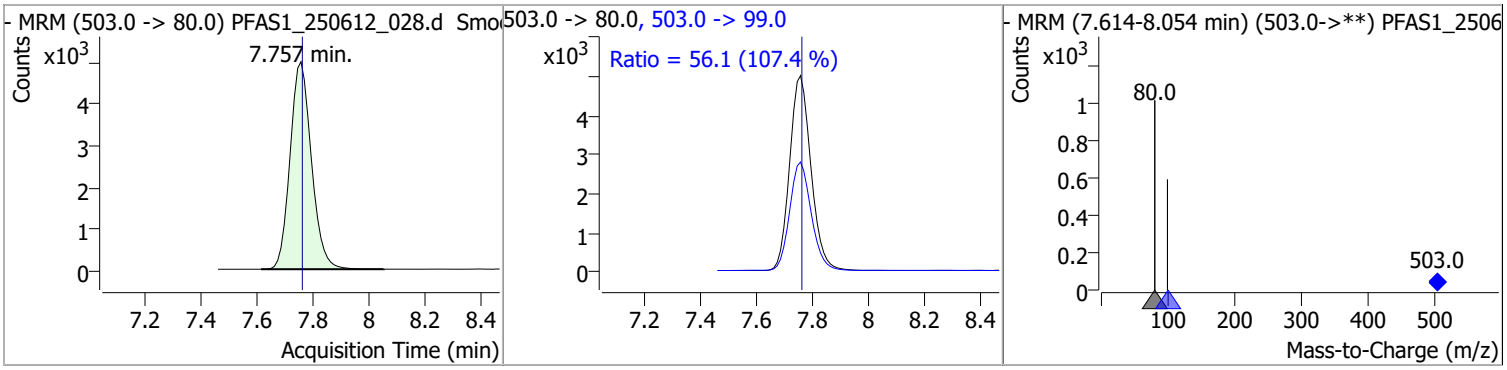
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



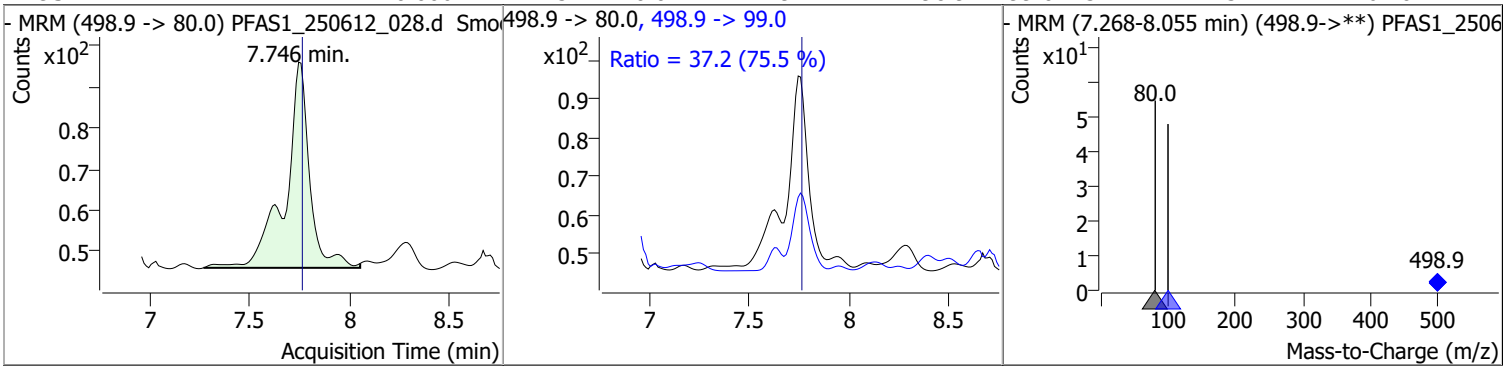
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.6682	7.76	0.00	27984	507.0 -> 99.0	52.3	36.0	66.9



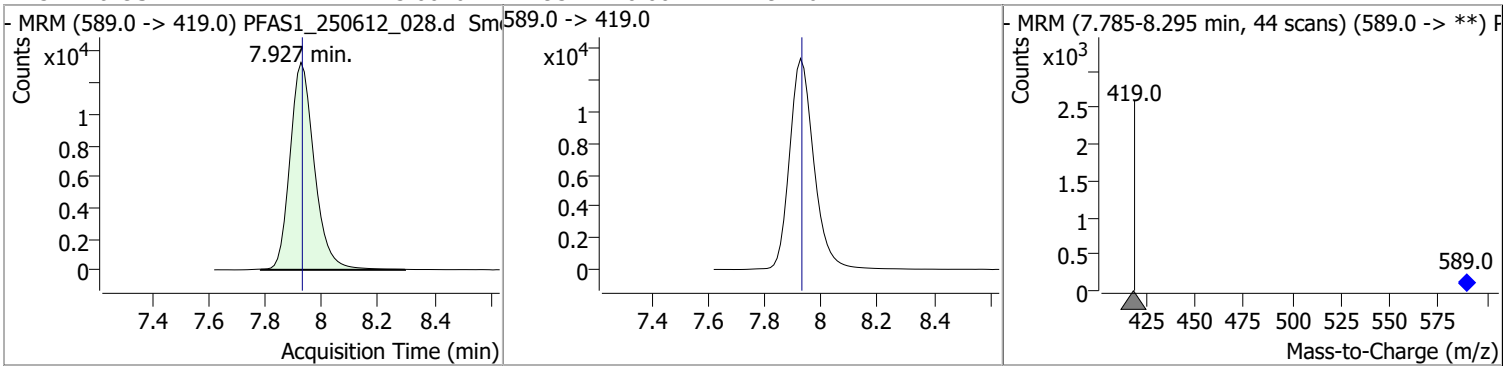
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26465	503.0 -> 99.0	56.1	36.6	67.9



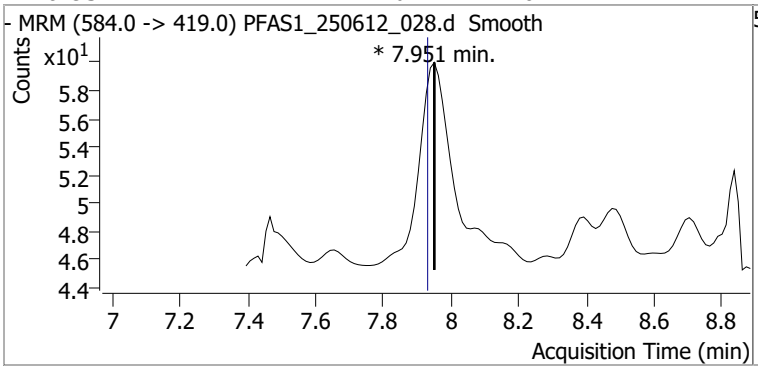
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0064	7.75	-0.01	429	498.9 -> 99.0	37.2	34.4	64.0

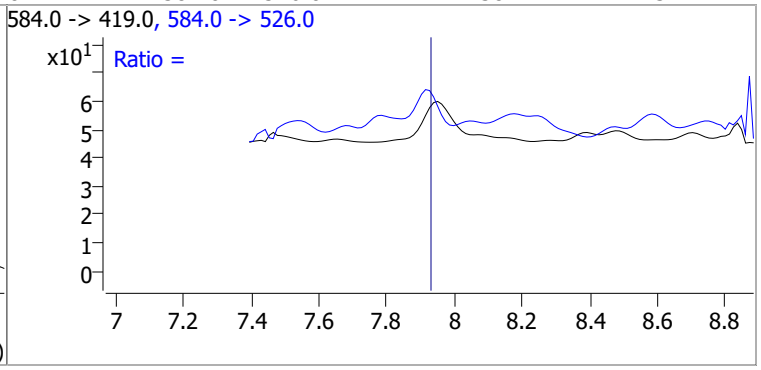


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0026	7.93	0.00	79216				

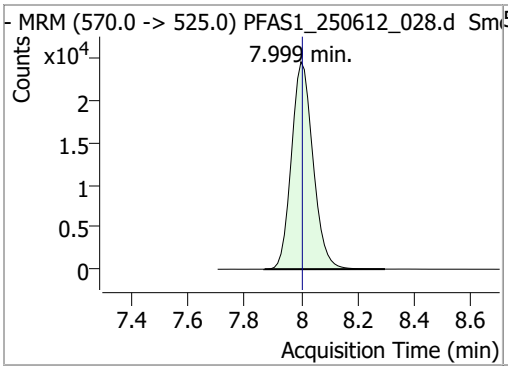


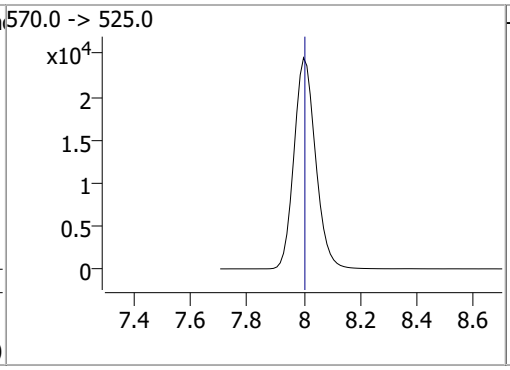
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

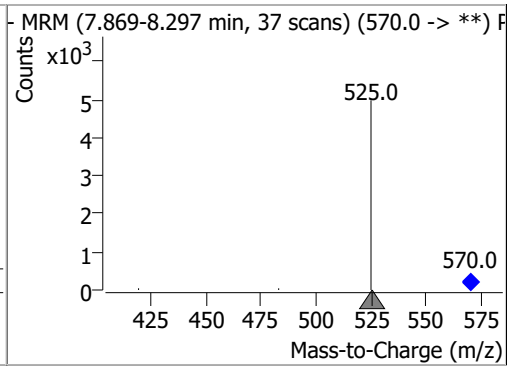




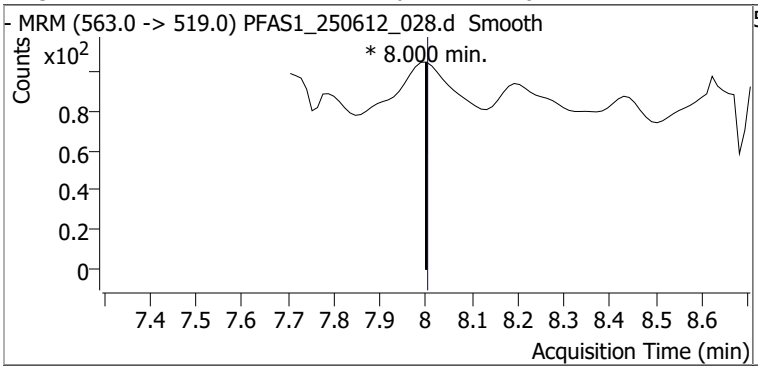
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2728	8.00	0.00	129798				

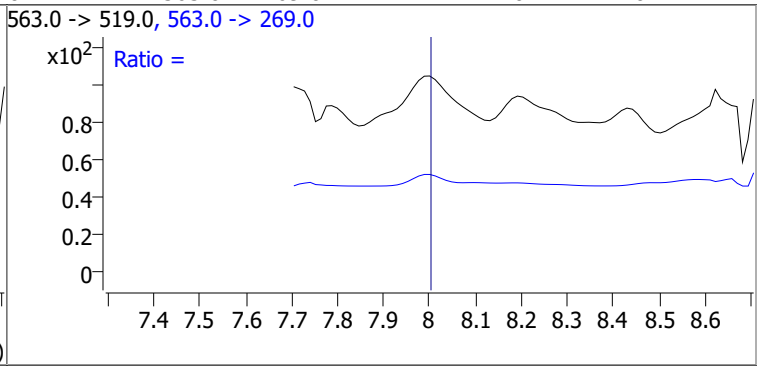




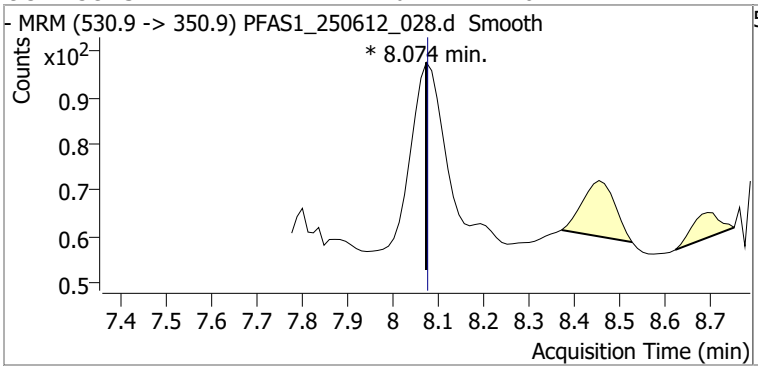


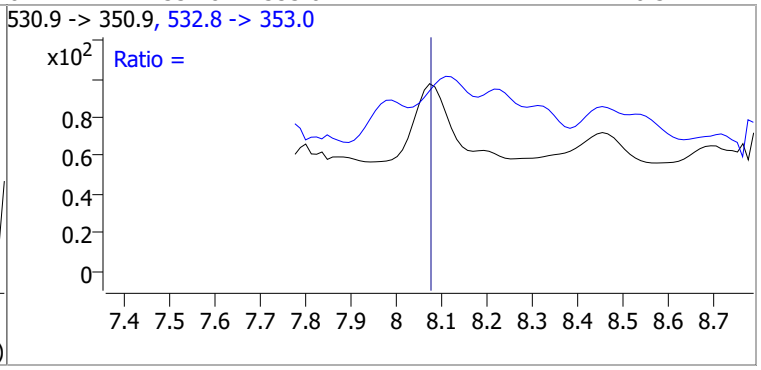
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



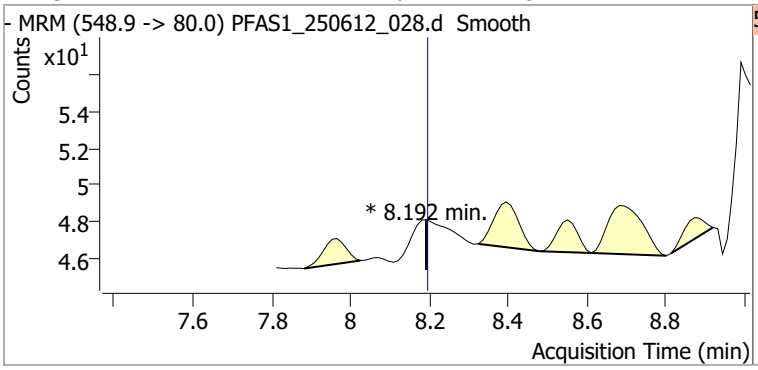


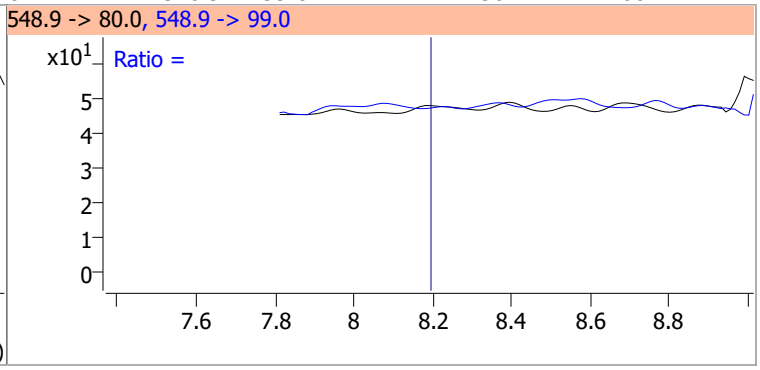
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



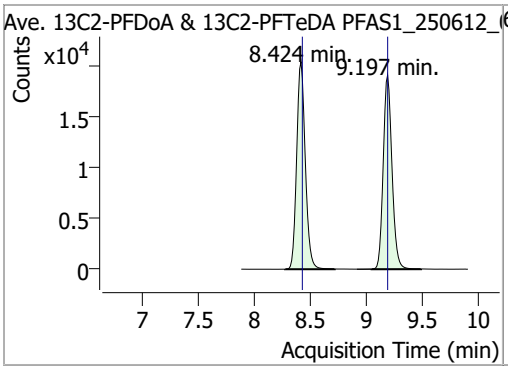


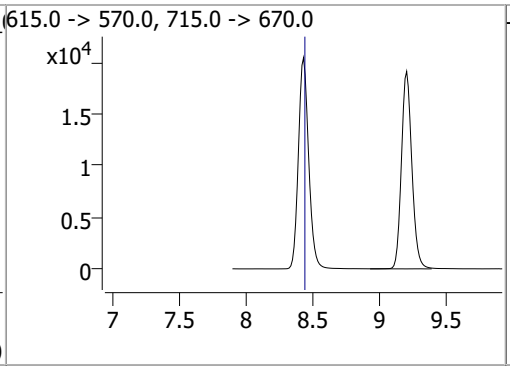
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1

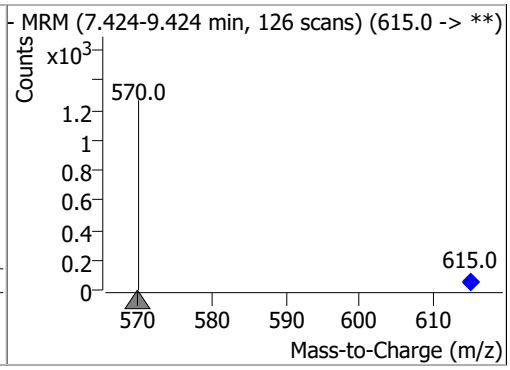




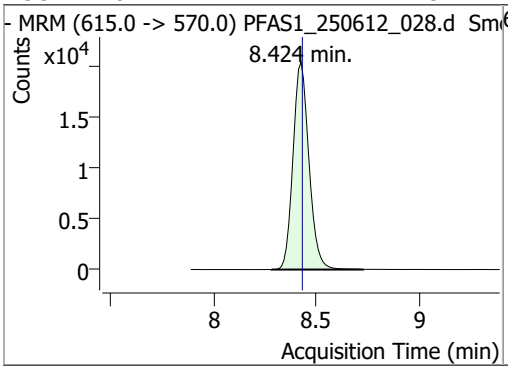
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2159	8.81	0.39	106523				

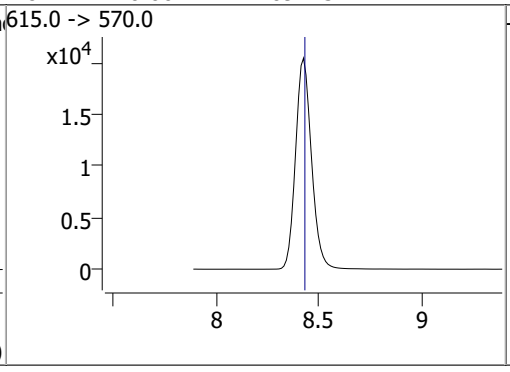


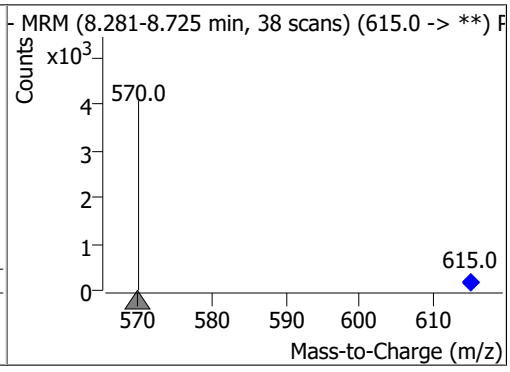




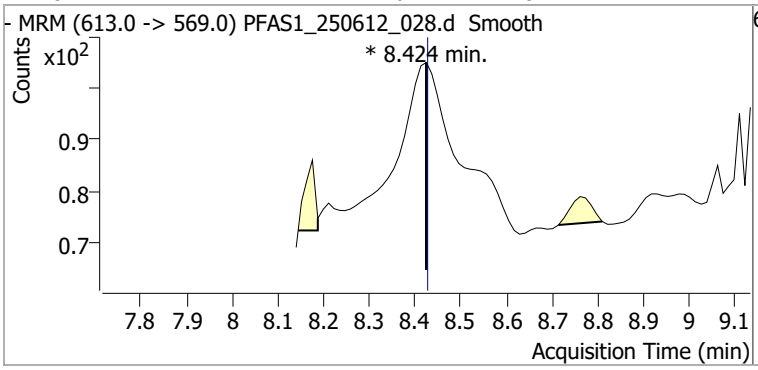
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2312	8.42	0.00	109213				

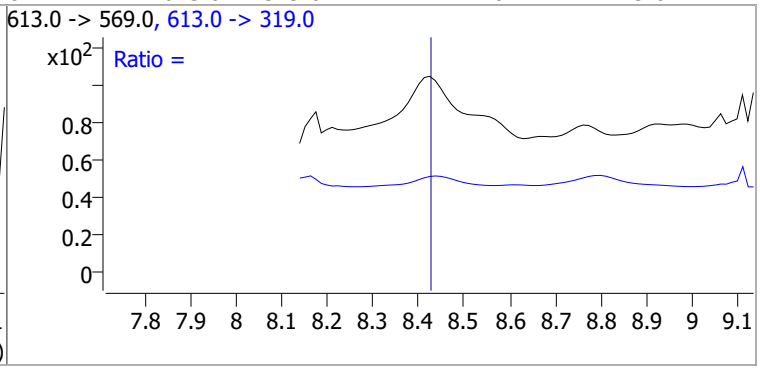




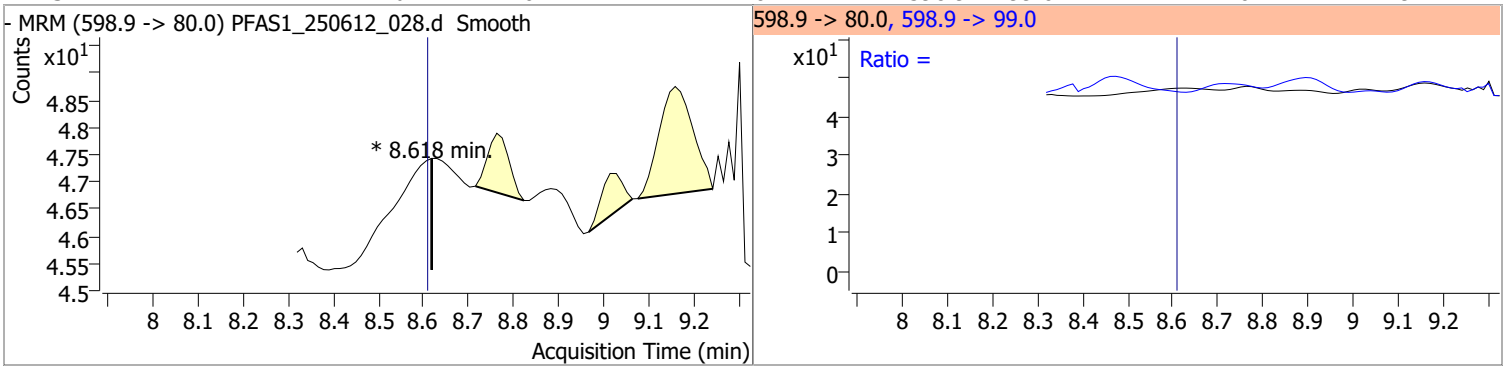


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

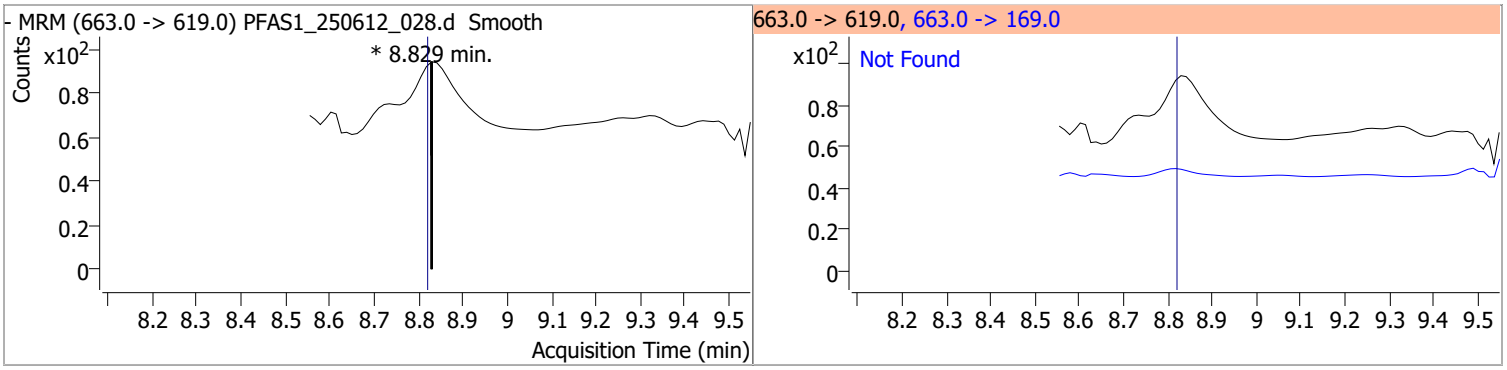




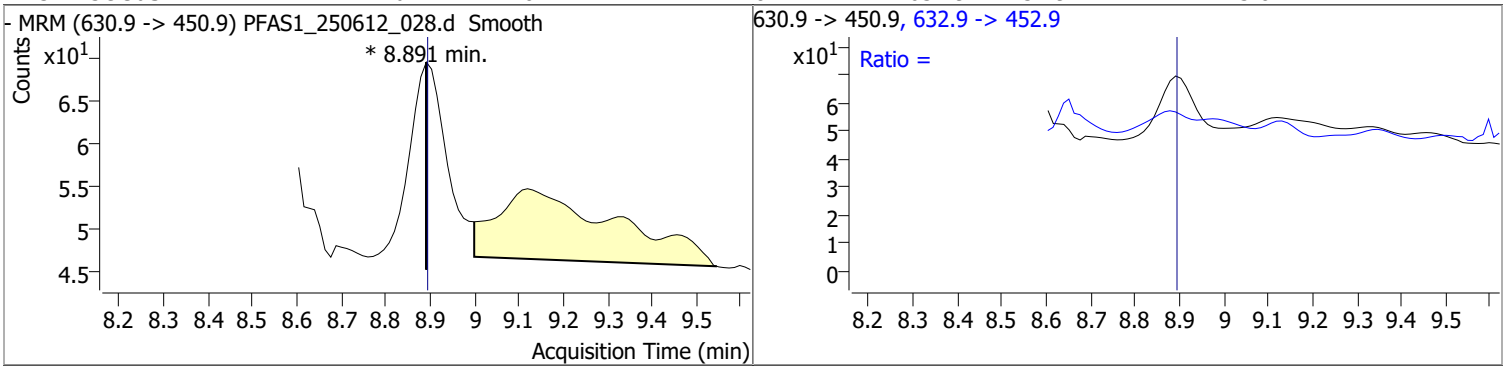
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



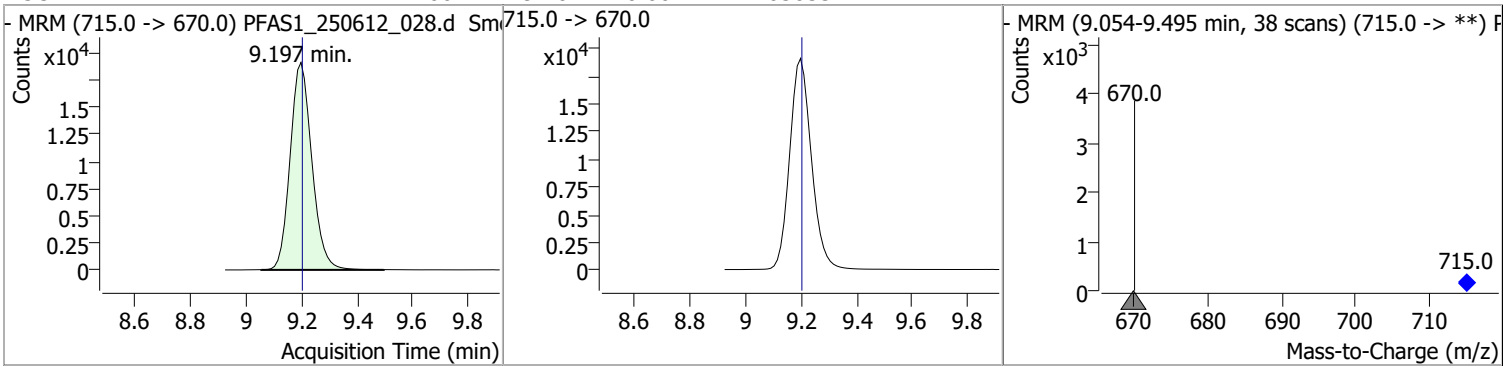
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



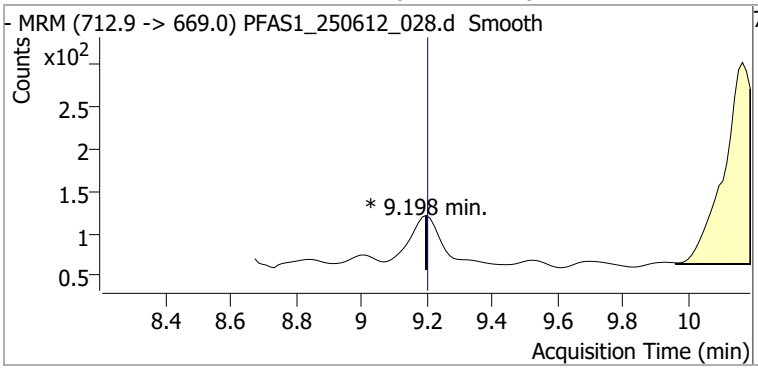
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

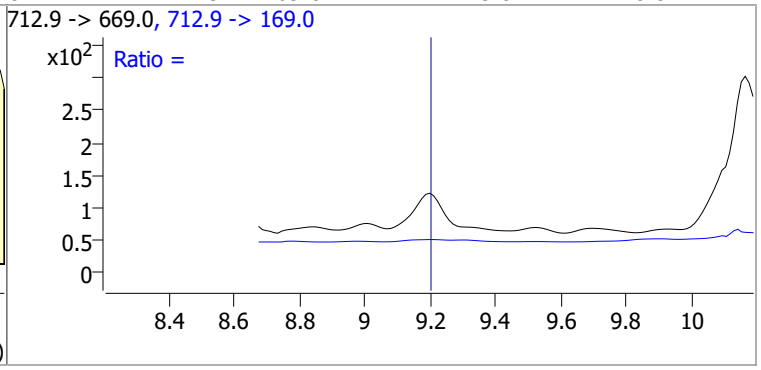


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2002	9.20	0.00	103833				

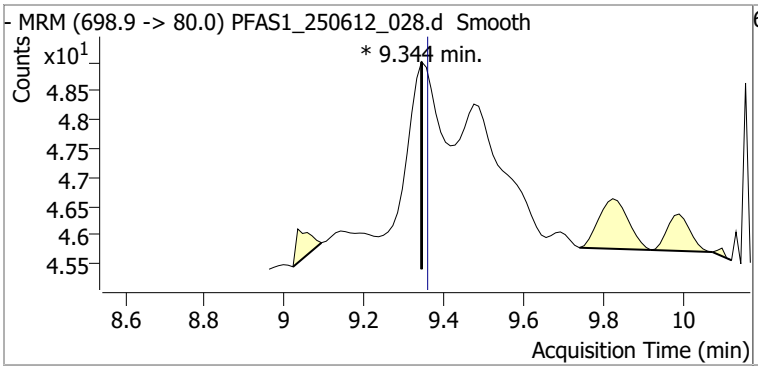


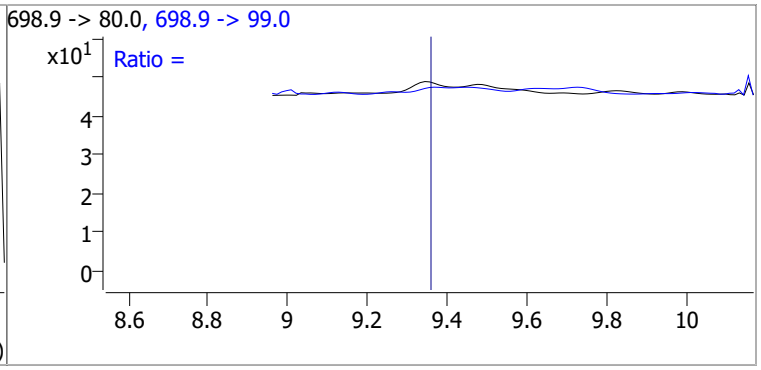
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



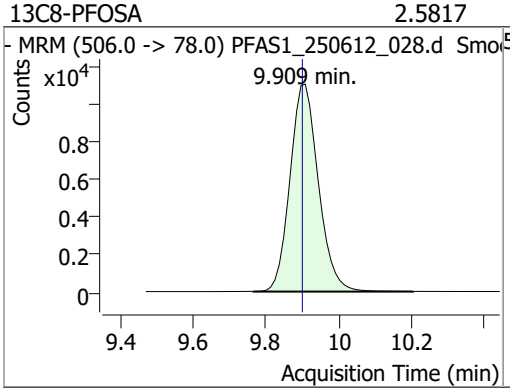


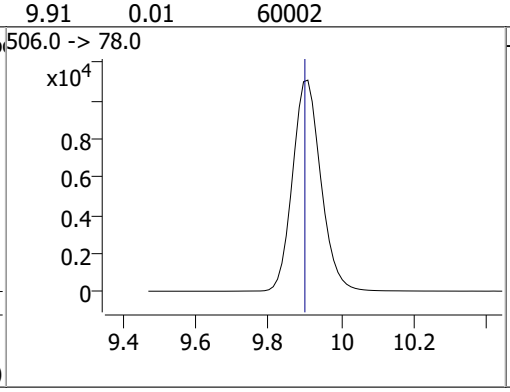
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

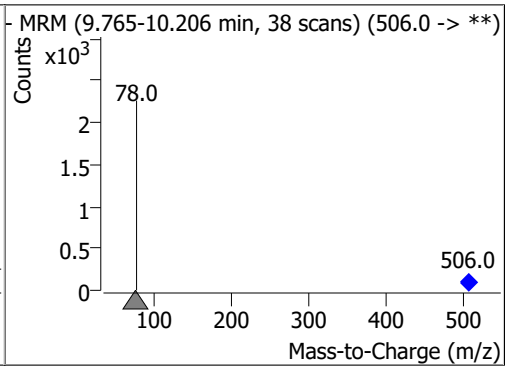




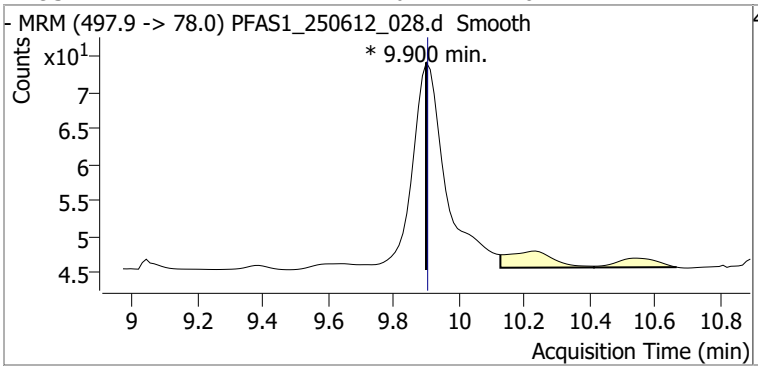
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5817	9.91	0.01	60002				

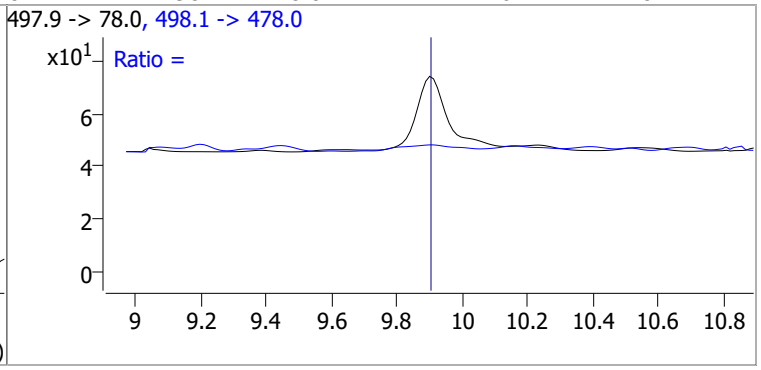




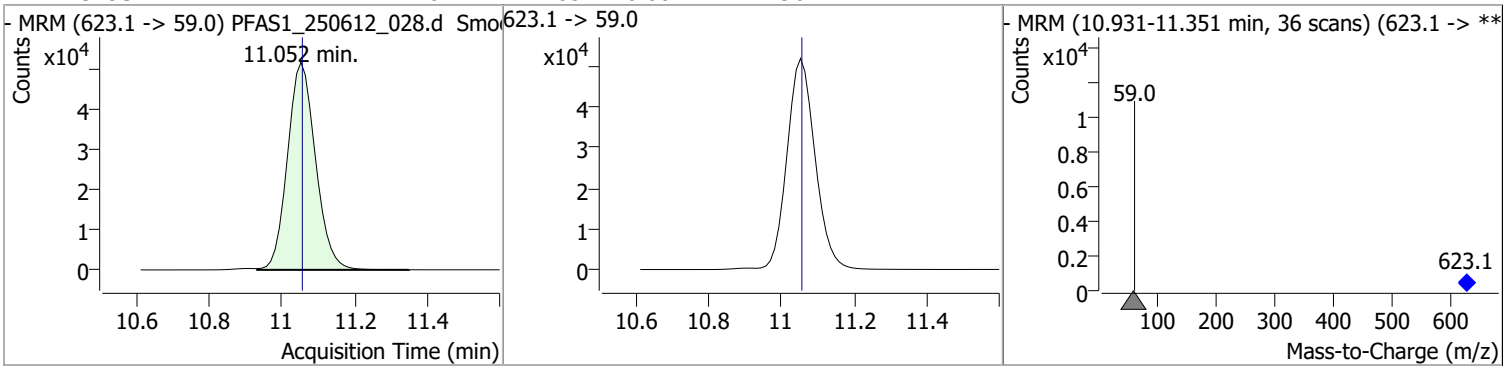


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

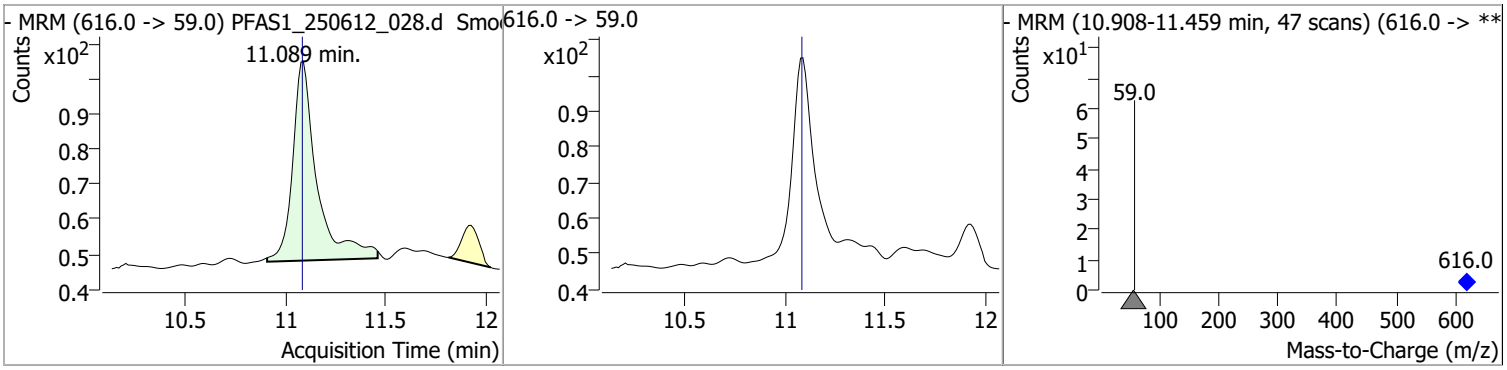




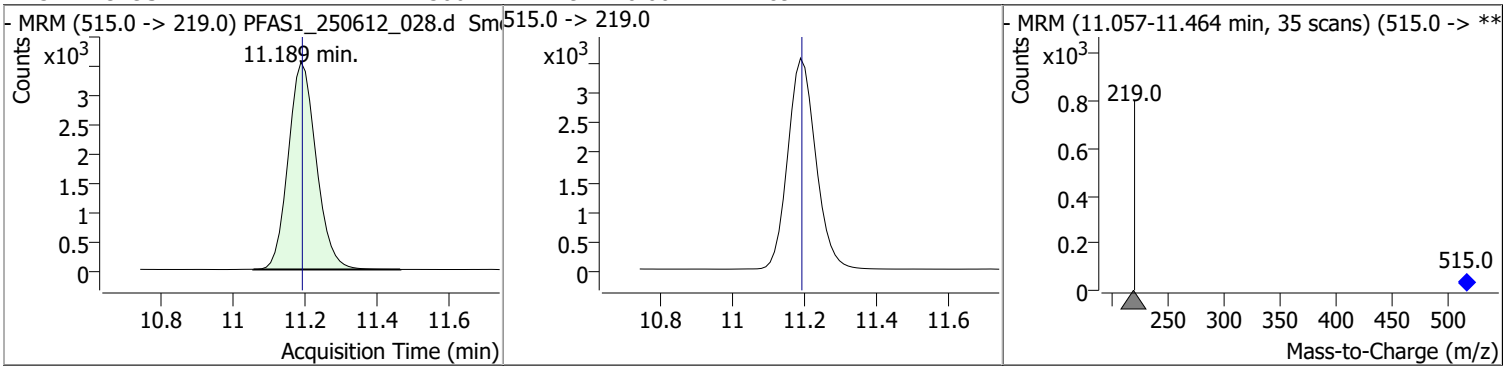
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.0147	11.05	0.00	279641				



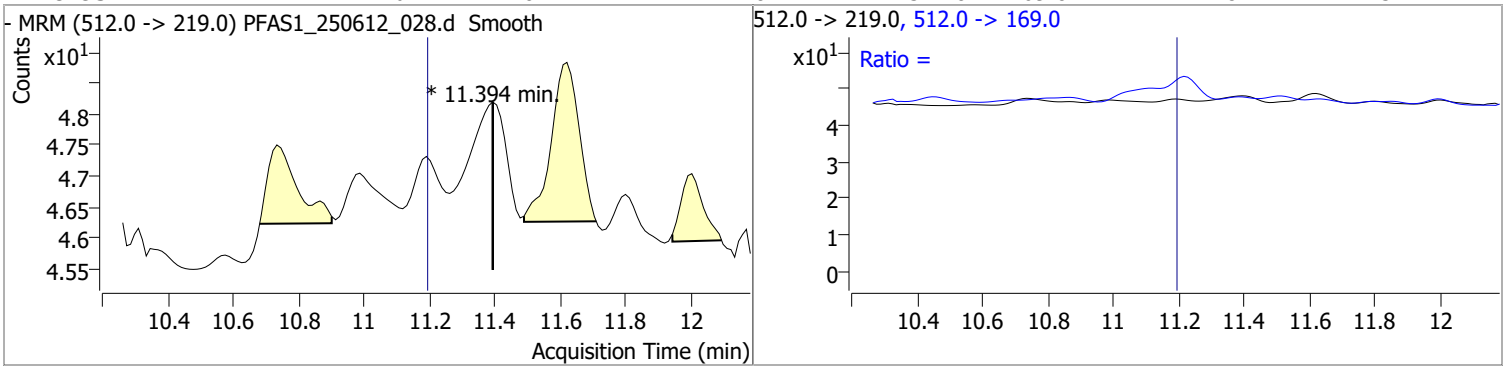
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	481				



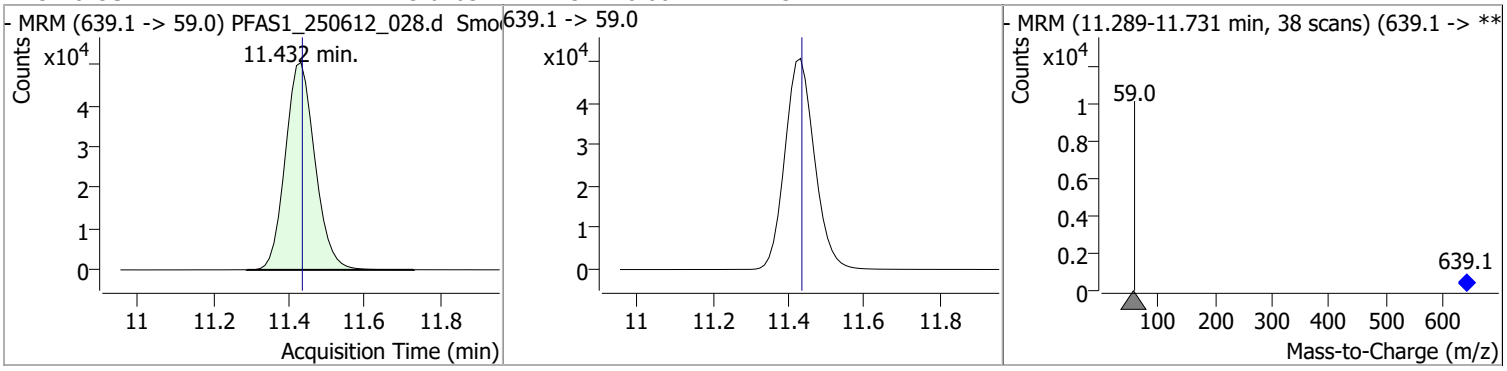
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4306	11.19	0.00	18972				



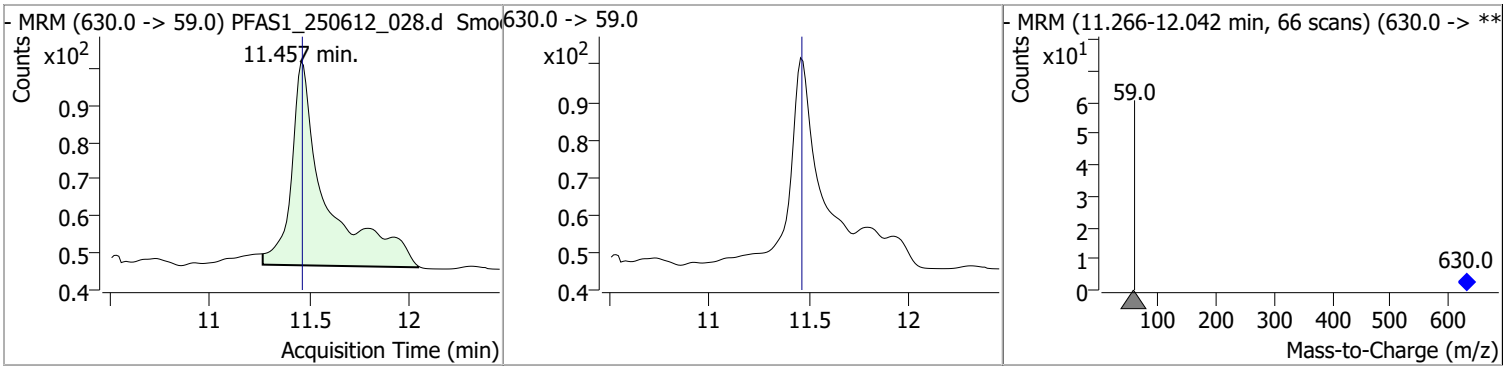
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



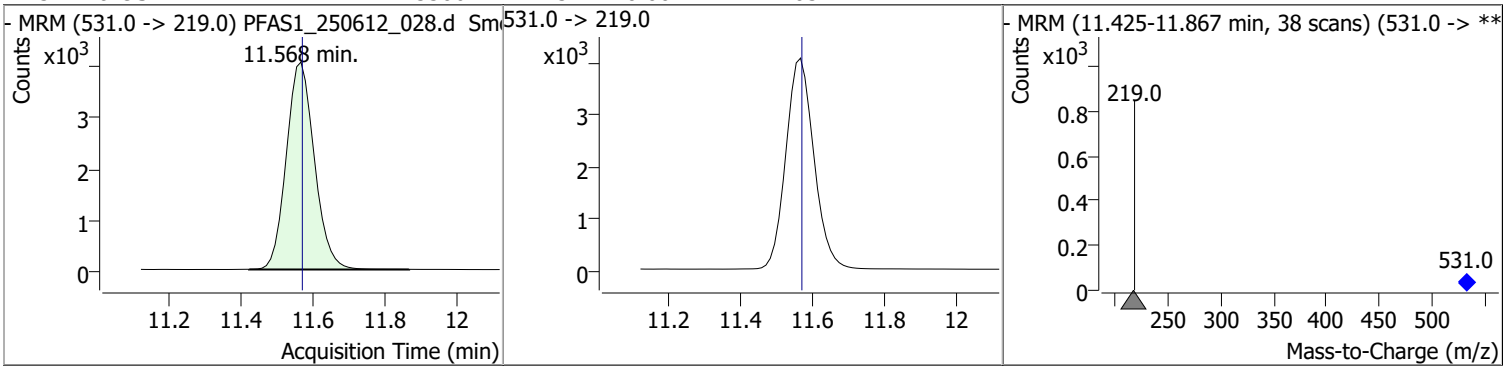
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.6263	11.43	0.00	275217				



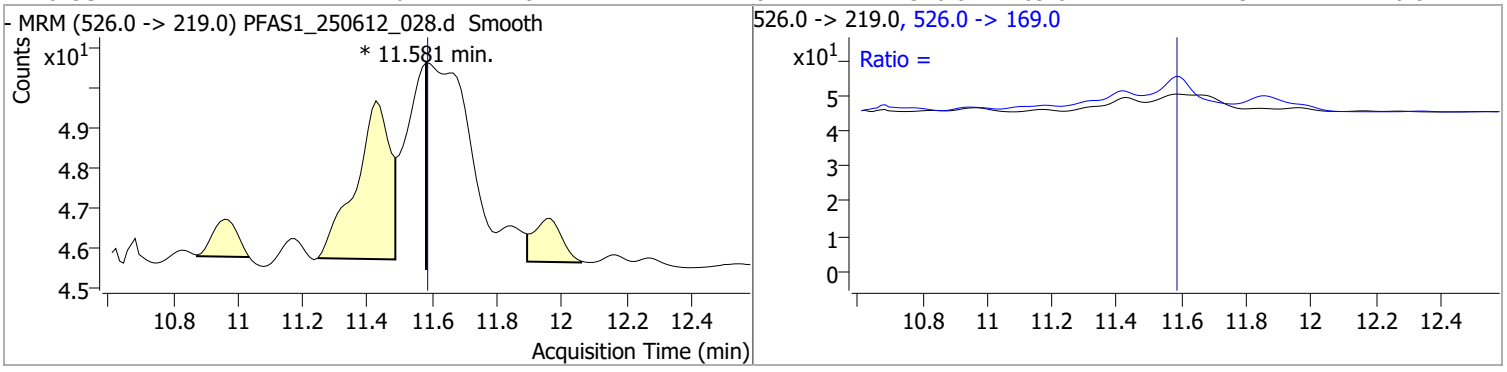
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	674				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5306	11.57	0.00	21703				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_028.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:08:31 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

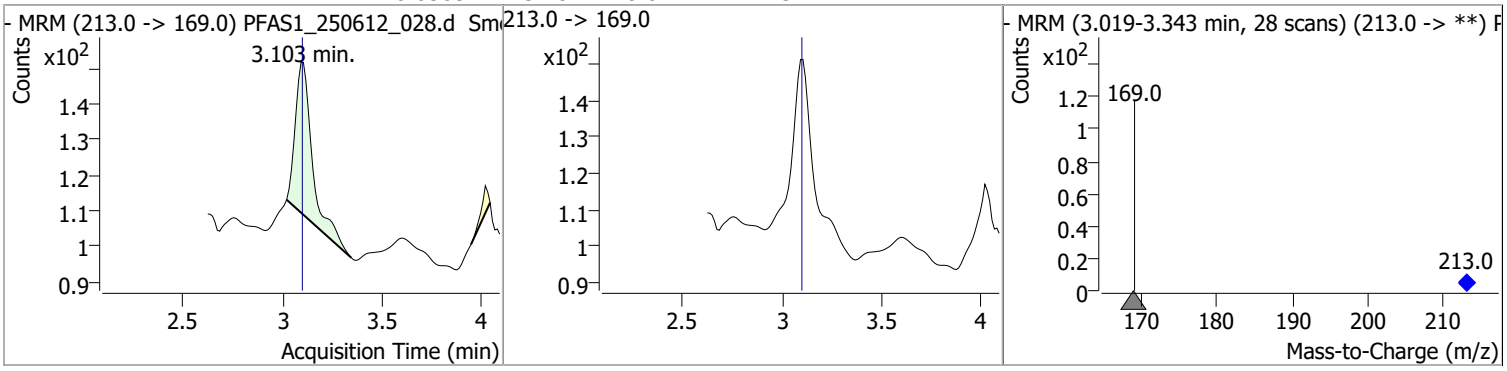
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	179851	5.0000	µg/L	13.702
13C2-PFHxA	5.479	315.0 -> 270.0	198242	2.5000	µg/L	10.951
18O2-PFHxS	6.808	403.0 -> 84.0	25699	2.5000	µg/L	9.354
13C4-PFOA	6.663	417.0 -> 172.0	22217	2.5000	µg/L	10.012
13C5-PFNA	7.125	468.0 -> 423.0	131971	1.2500	µg/L	10.272
13C2-PFDA	7.576	515.0 -> 470.0	138304	1.2500	µg/L	10.527
13C4-PFOS	7.757	503.0 -> 80.0	26465	2.5000	µg/L	6.007
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	414045	10.0000	µg/L	13.439
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.71%		
13C4-PFBA	3.095	217.0 -> 172.0	414045	10.0000	µg/L	13.439
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.71%		
13C5-PFPeA	4.594	268.0 -> 223.0	298634	5.0000	µg/L	10.701
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%		
13C5-PFPeA	4.594	268.0 -> 223.0	298634	5.0000	µg/L	10.701
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 99.81%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20007	5.0000	µg/L	24.152
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 114.12%		
13C5-PFHxA	5.478	318.0 -> 273.0	207479	2.5000	µg/L	12.760
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.61%		
13C5-PFHxA	5.478	318.0 -> 273.0	207479	2.5000	µg/L	12.760
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.61%		
13C3-PFBS	5.494	302.0 -> 80.0	49232	2.5000	µg/L	15.495
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 105.83%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	242030	10.0000	µg/L	9.086
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 98.29%		
13C4-PFHpA	6.142	367.0 -> 322.0	236259	2.5000	µg/L	10.817
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.83%		
13C3-PFHxS	6.797	402.0 -> 80.0	29088	2.5000	µg/L	7.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.63%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	13762	5.0000	µg/L	22.035
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.03%		
13C8-PFOA	6.662	421.0 -> 376.0	247830	2.5000	µg/L	9.710
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 99.64%		
13C3-PFHxS	6.797	402.0 -> 80.0	29088	2.5000	µg/L	7.806
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.63%		
13C9-PFNA	7.125	472.0 -> 427.0	135682	1.2500	µg/L	10.579
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.31%		
13C8-PFOS	7.756	507.0 -> 80.0	27984	2.5000	µg/L	13.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.73%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14027	5.0000	µg/L	13.969
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.29%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	14027	5.0000	µg/L	13.969
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.29%		
13C6-PFDA	7.575	519.0 -> 474.0	149259	1.2500	µg/L	12.307

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.67%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	101320	5.0000	µg/L		9.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.55%			
13C8-PFOS	7.756	507.0 -> 80.0	27984	2.5000	µg/L		13.093
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.73%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79216	5.0000	µg/L		6.272
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 100.05%			
13C7-PFUnDA	7.999	570.0 -> 525.0	129798	1.2500	µg/L		12.512
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.83%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	106523	1.2500	µg/L		7.595
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.27%			
13C2-PFDoDA	8.424	615.0 -> 570.0	109213	1.2500	µg/L		8.941
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.49%			
13C2-PFTDA	9.197	715.0 -> 670.0	103833	1.2500	µg/L		6.216
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.02%			
13C8-PFOSA	9.909	506.0 -> 78.0	60002	2.5000	µg/L		9.704
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.27%			
2H7-MeFOSE	11.052	623.1 -> 59.0	279641	25.0000	µg/L		1.795
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 96.06%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18972	2.5000	µg/L		3.368
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.22%			
2H9-EtFOSE	11.432	639.1 -> 59.0	275217	25.0000	µg/L		0.161
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 94.51%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21703	2.5000	µg/L		7.457
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.22%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	245	0.0585	µg/L		100
PFMPA	3.794	229.0 -> 85.0	53	0.0387	µg/L		100
3-3 FTCA	4.030	241.0 -> 177.0	6	0.0420	µg/L		21
PFPeA	4.596	263.0 -> 219.0	451	0.0379	µg/L		100
PFMBA	4.910	279.0 -> 85.0	116	0.0462	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	101	0.0125	µg/L		98
NFDHA	5.402	295.0 -> 201.0	29	0.0000	µg/L	#	1
PFHxA	5.480	313.0 -> 269.0	363	0.0110	µg/L	#	93
PFBS	5.483	298.9 -> 80.0	17	0.0000	µg/L		35
HFPO-DA	5.748	285.0 -> 169.0	113	0.0136	µg/L	#	60
PFEESA	5.860	314.9 -> 135.0	92	0.0000	µg/L	#	1
5-3 FTCA	6.132	341.0 -> 237.0	400	0.7055	µg/L		79
PFHpA	6.142	363.0 -> 319.0	549	0.0248	µg/L		98
PFPeS	6.240	348.9 -> 80.0	15	0.0157	µg/L		30
DONA	6.333	377.0 -> 251.0	156	0.0442	µg/L	#	78
6-2 FTSA	6.460	427.0 -> 407.0	73	0.0000	µg/L	#	58
PFOA	6.663	413.0 -> 369.0	809	0.0184	µg/L		93
PFHxS	6.798	398.9 -> 80.0	119	0.0031	µg/L	#	19
PFNA	7.138	463.0 -> 419.0	157	0.0134	µg/L	#	86
PFHpS	7.319	448.9 -> 80.0	28	0.0009	µg/L	#	1
8-2 FTSA	7.361	527.0 -> 507.0	41	0.0189	µg/L	#	51
7-3 FTCA	7.474	441.0 -> 317.0	359	0.7013	µg/L	#	37
PFDA	7.552	513.0 -> 469.0	293	0.0197	µg/L	#	82
N-MeFOSAA	7.680	570.0 -> 419.0	84	0.0018	µg/L		91
PFOS	7.746	498.9 -> 80.0	429	0.0064	µg/L		82
N-EtFOSAA	7.951	584.0 -> 419.0	111	0.0171	µg/L	#	1
PFUnDA	8.000	563.0 -> 519.0	171	0.0126	µg/L		100
9Cl-PF3ONS	8.074	530.9 -> 350.9	171	0.0031	µg/L	#	1

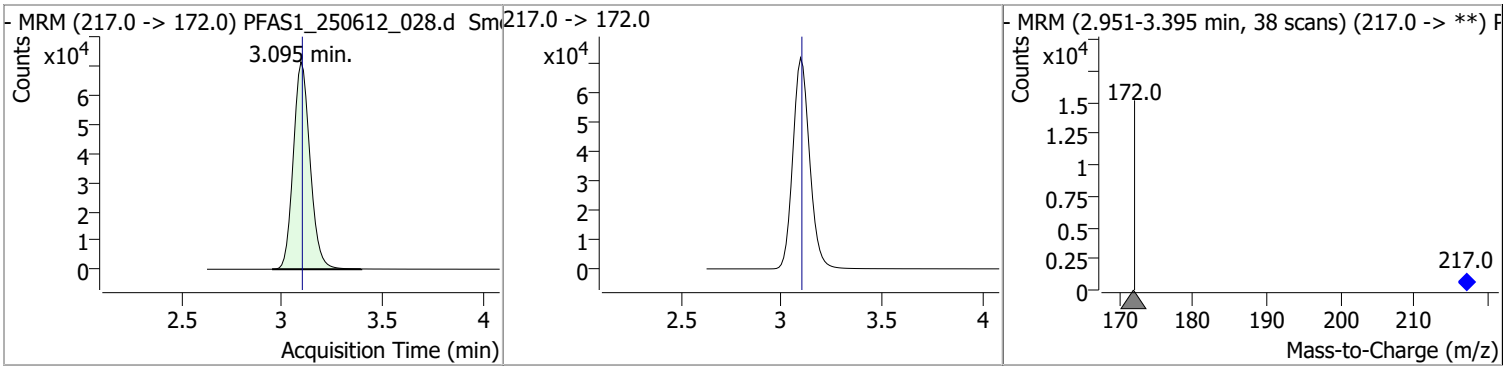
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.192	548.9 -> 80.0	13	0.0000	µg/L		26
PFDoDA	8.424	613.0 -> 569.0	320	0.0090	µg/L	#	89
PFDS	8.618	598.9 -> 80.0	7	0.0166	µg/L		22
PFTrDA	8.829	663.0 -> 619.0	208	0.0178	µg/L		72
11Cl-PF3OUdS	8.891	630.9 -> 450.9	129	0.0126	µg/L	#	1
PFTDA	9.198	712.9 -> 669.0	380	0.0192	µg/L	#	91
PFDoS	9.344	698.9 -> 80.0	10	0.0208	µg/L	#	48
PFOSA	9.900	497.9 -> 78.0	201	0.0138	µg/L	#	71
MeFOSE	11.089	616.0 -> 59.0	481	0.0000	µg/L		100
N-MeFOSA	11.394	512.0 -> 219.0	26	0.0051	µg/L	#	23
EtFOSE	11.457	630.0 -> 59.0	674	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	69	0.0268	µg/L		88

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

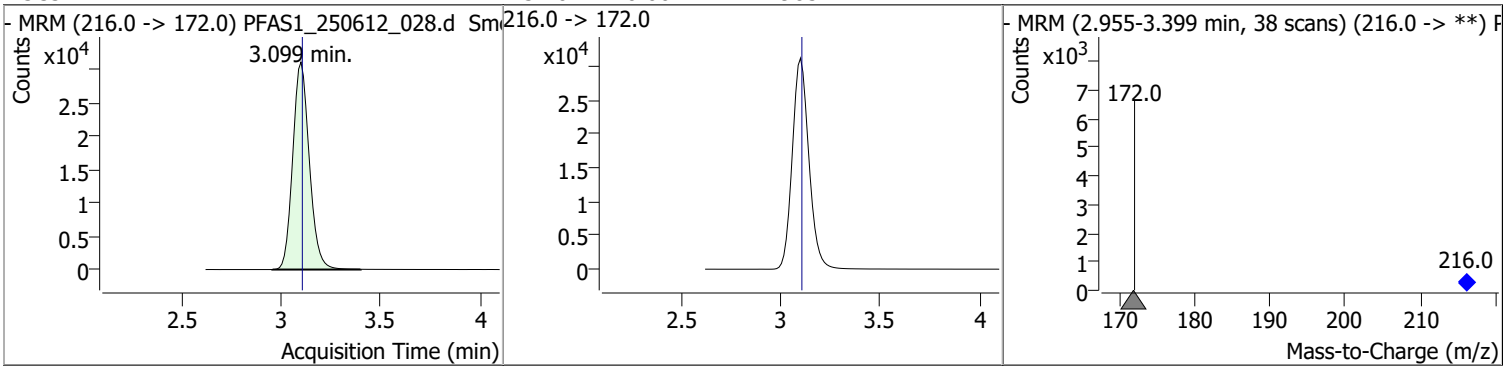
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0585	3.10	0.01	245				



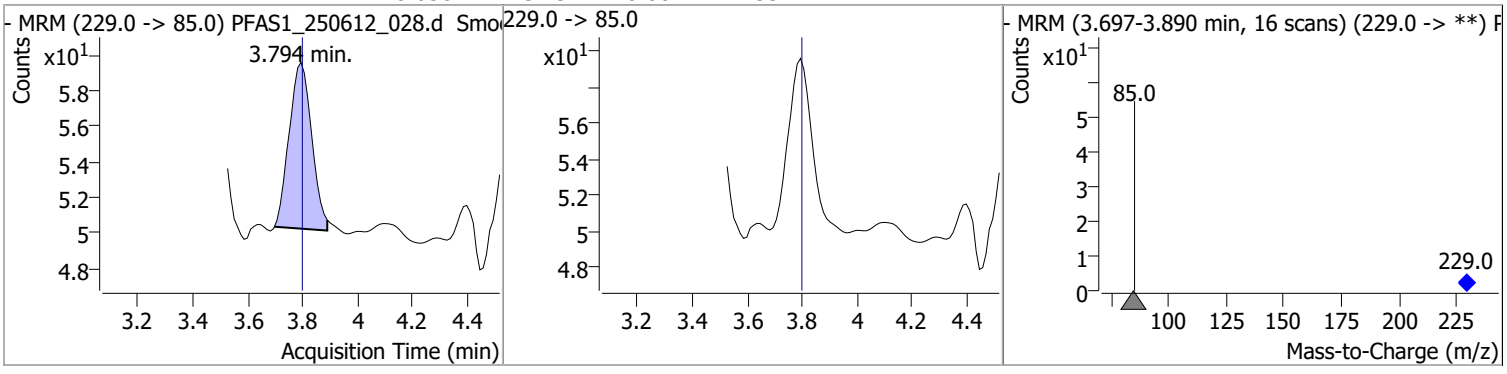
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9712	3.09	0.00	414045				



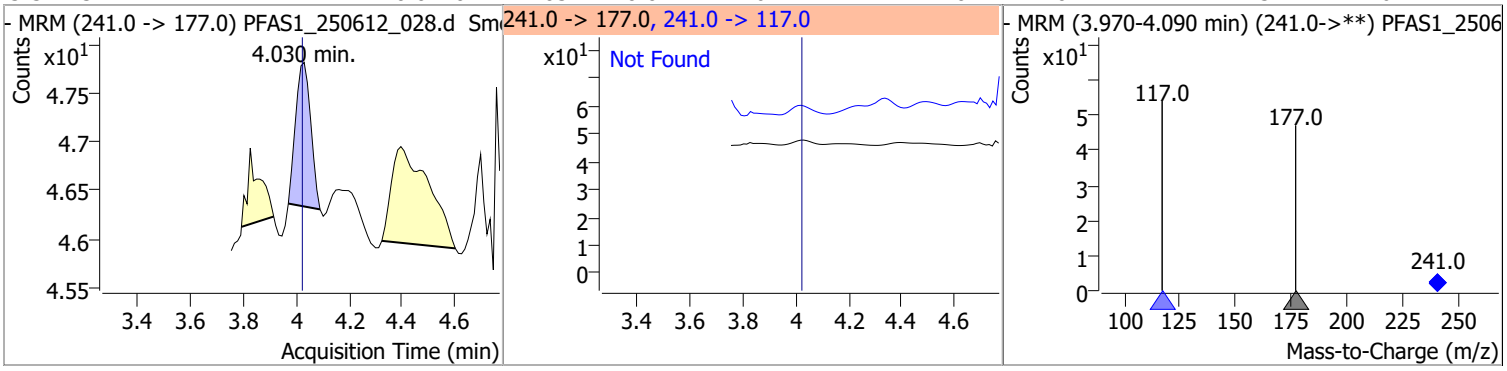
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	179851				



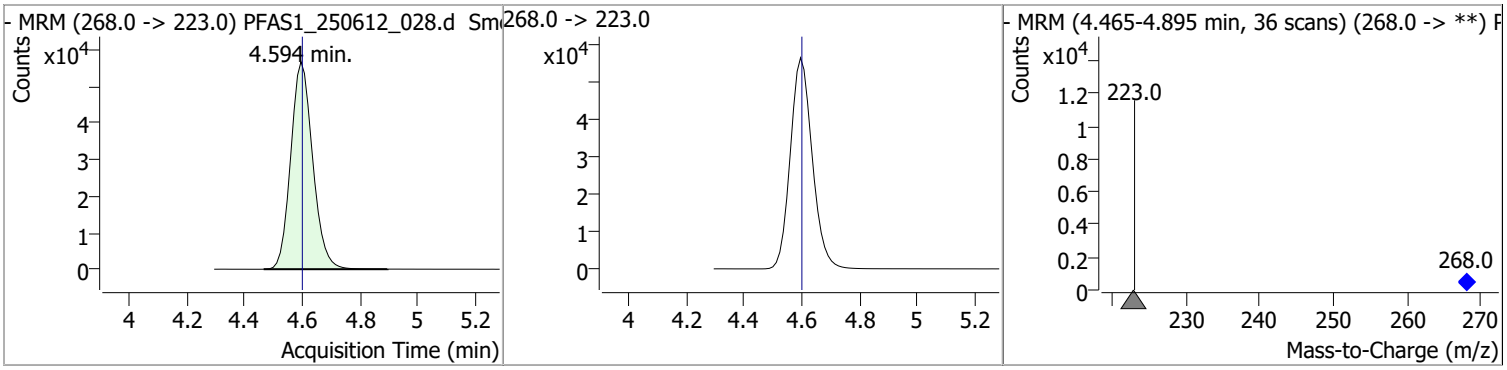
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0387	3.79	0.00	53				



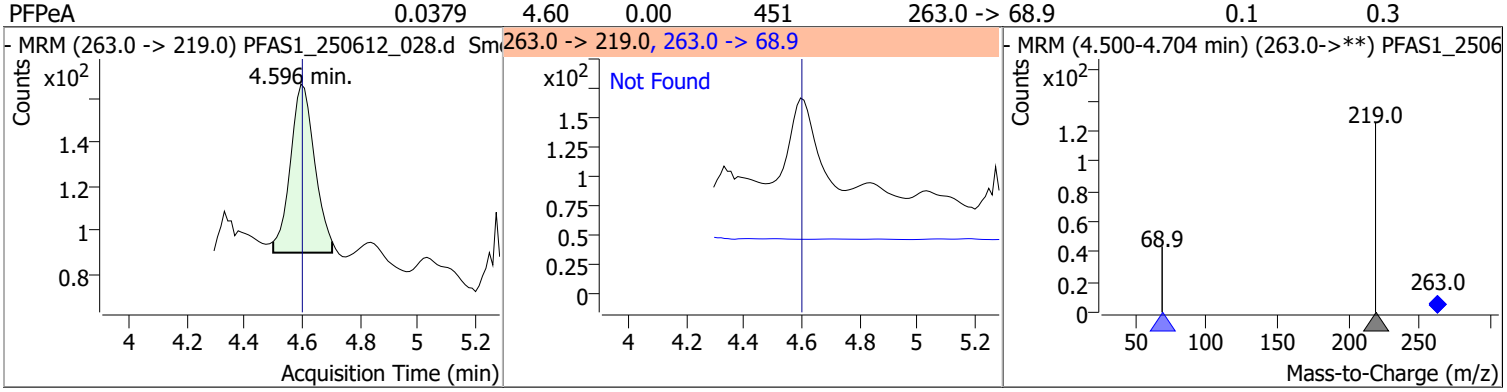
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0420	4.03	0.01	6	241.0 -> 117.0		41.3	76.7



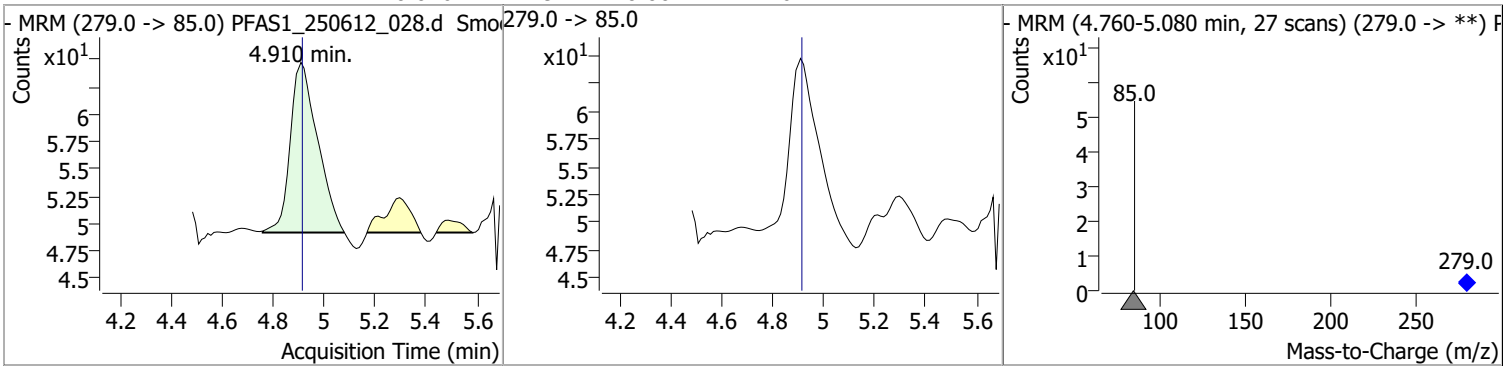
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9904	4.59	0.00	298634				



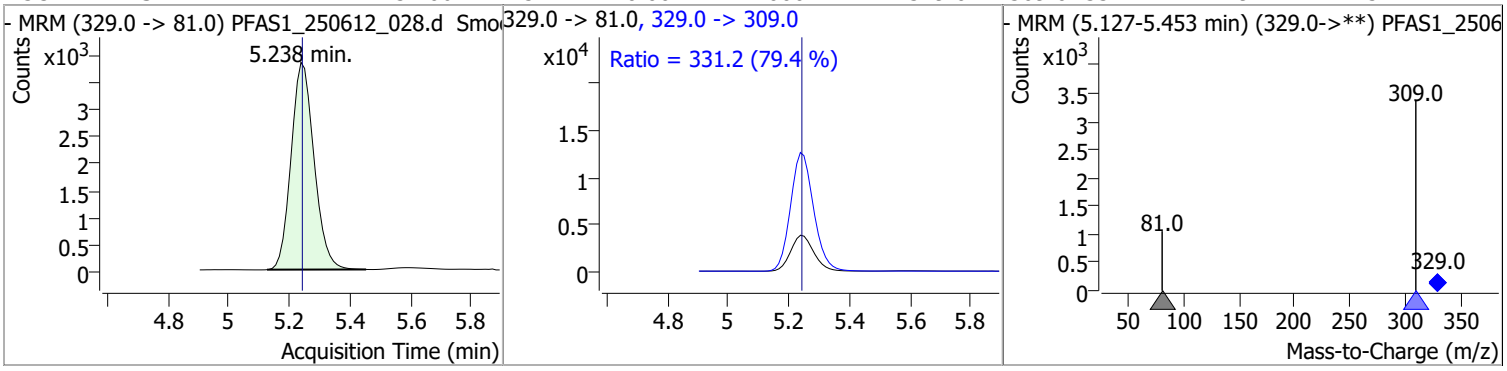
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0379	4.60	0.00	451	263.0 -> 68.9		0.1	0.3



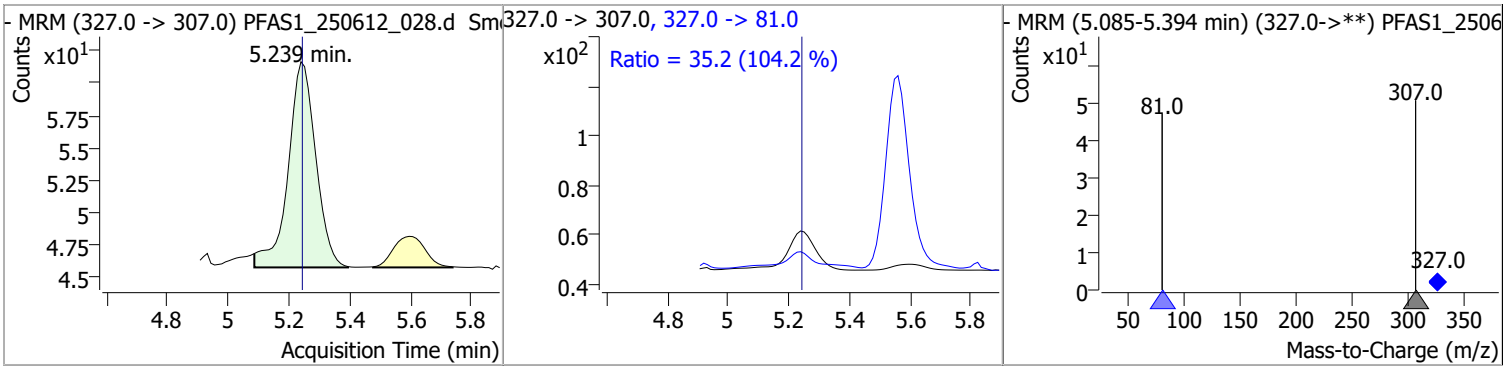
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0462	4.91	0.00	116				



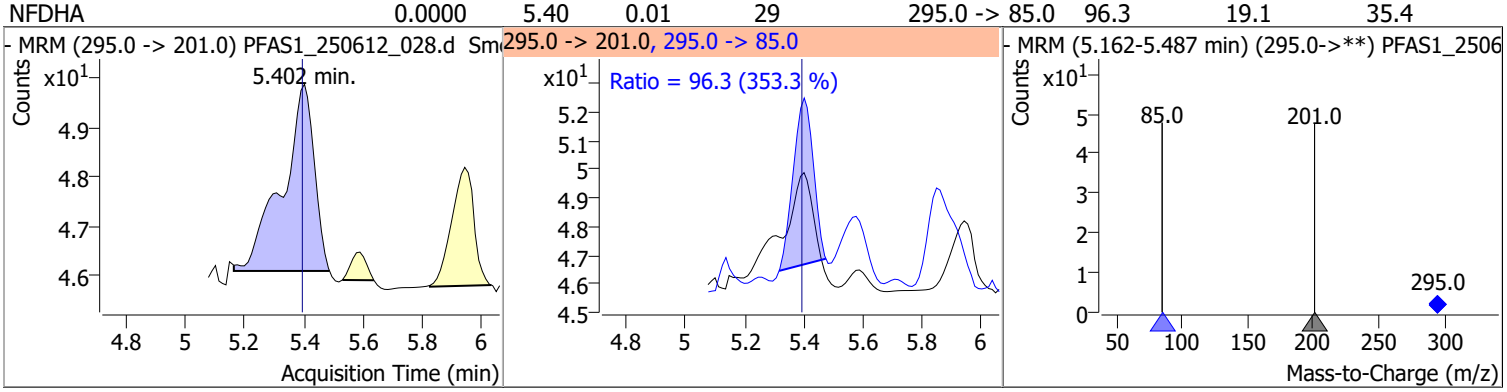
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.7062	5.24	0.00	20007	329.0 -> 309.0	331.2	292.1	542.4



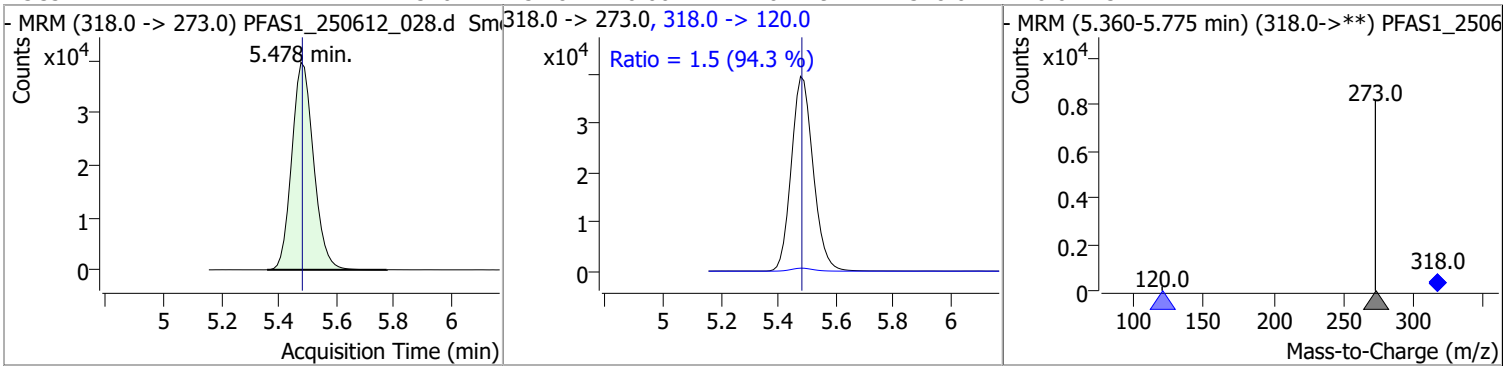
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0125	5.24	0.00	101	327.0 -> 81.0	35.2	23.6	43.9



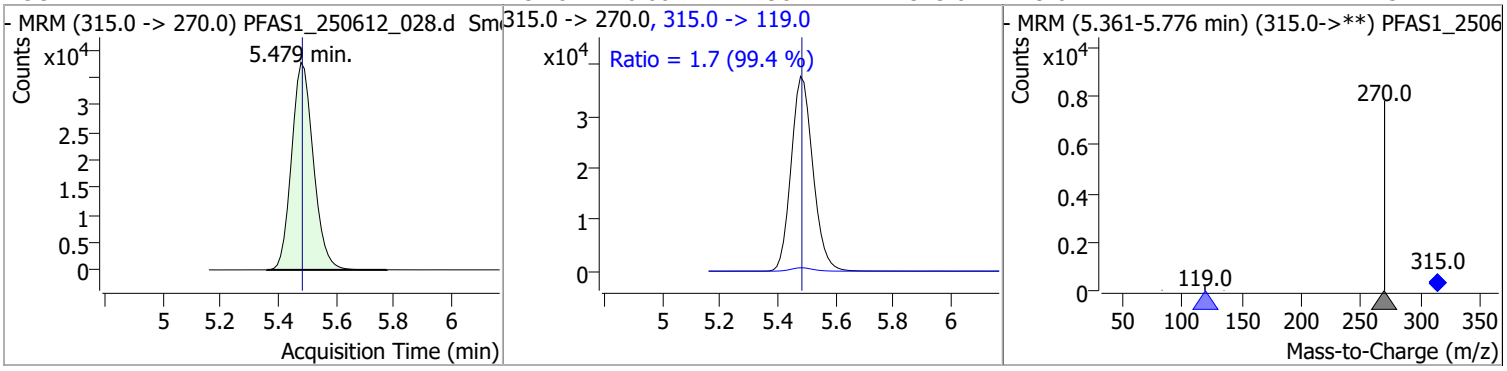
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.40	0.01	29	295.0 -> 85.0	96.3	19.1	35.4



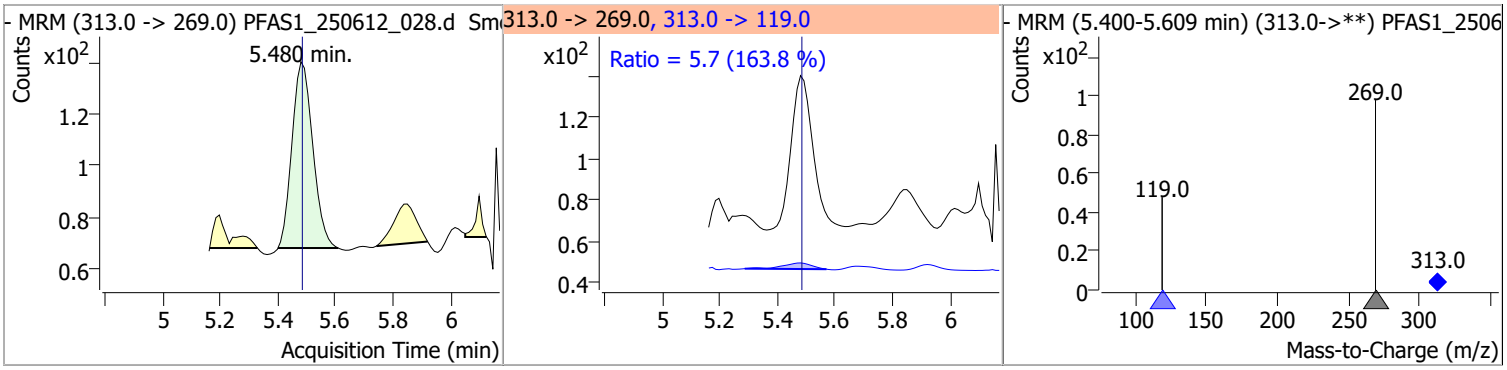
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5404	5.48	0.00	207479	318.0 -> 120.0	1.5	1.1	2.1



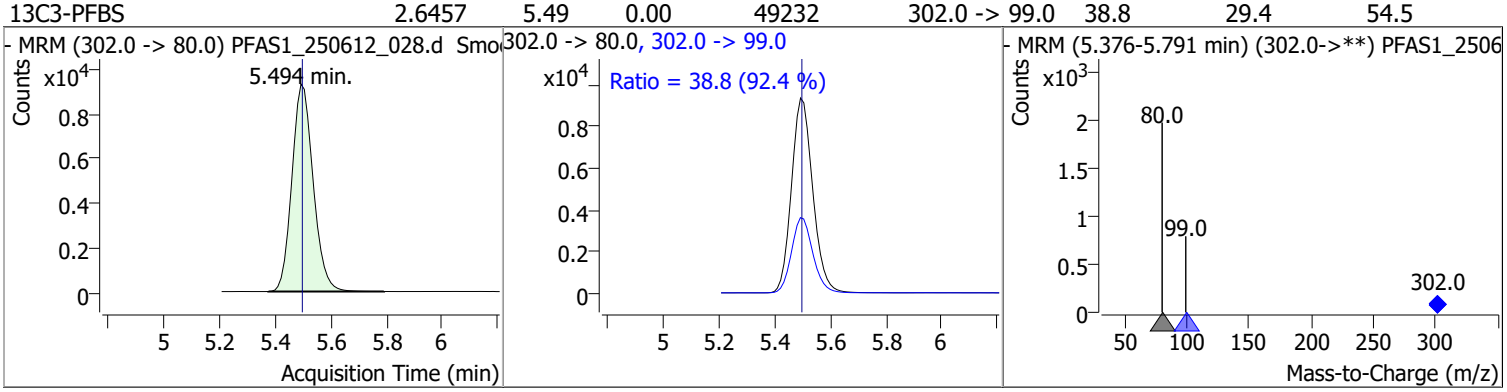
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	198242	315.0 -> 119.0	1.7	1.2	2.3



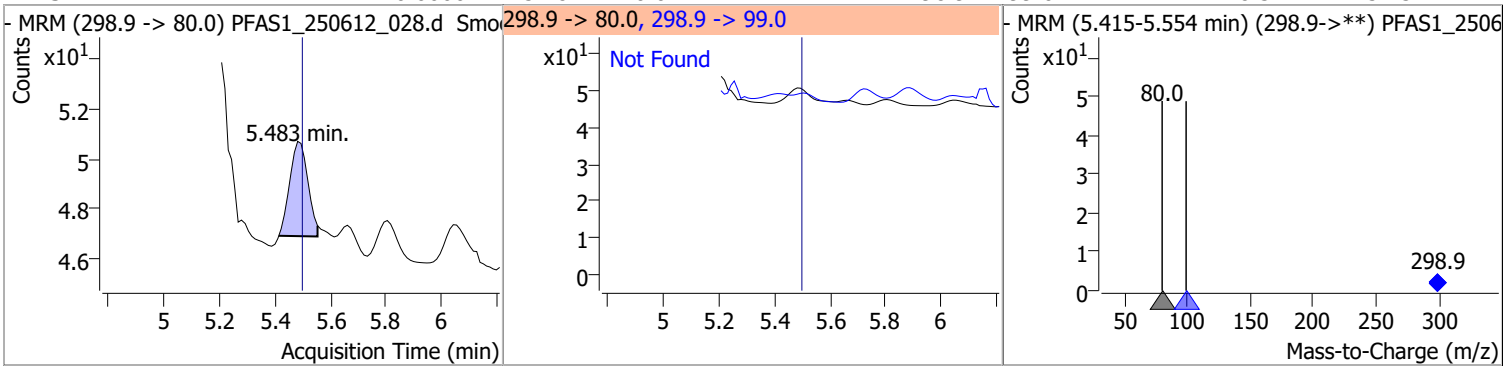
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0110	5.48	0.00	363	313.0 -> 119.0	5.7	2.4	4.5



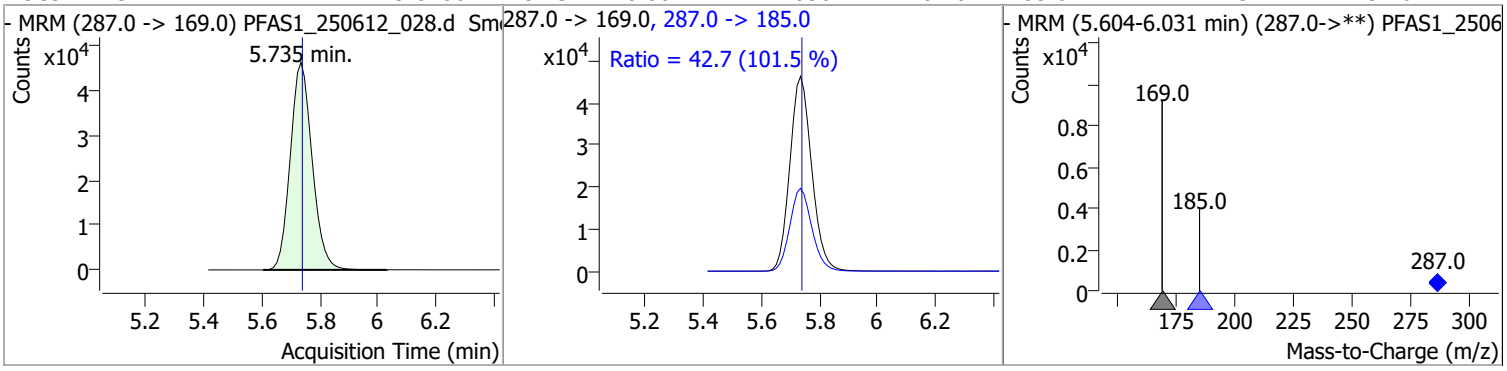
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6457	5.49	0.00	49232	302.0 -> 99.0	38.8	29.4	54.5



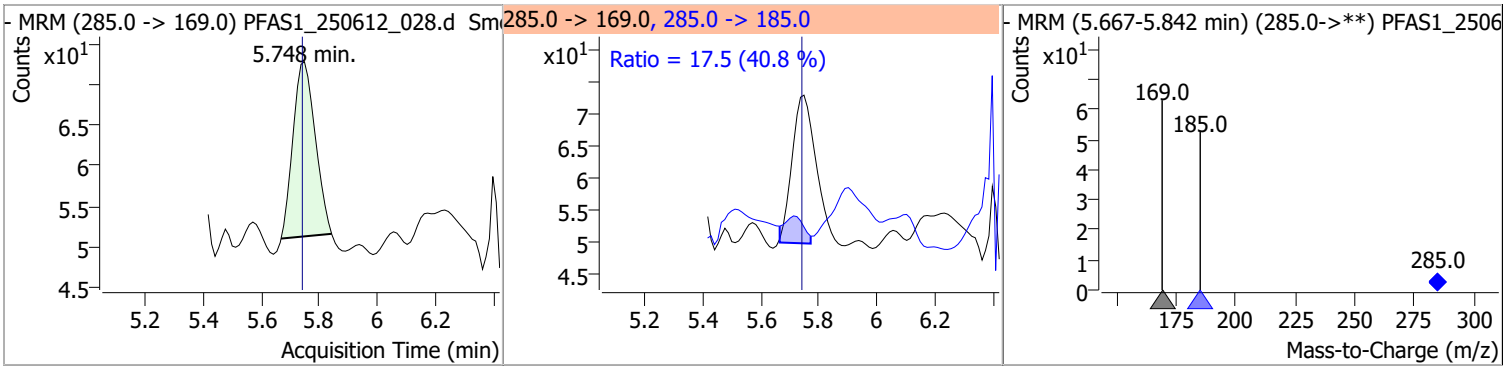
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.48	-0.01	17	298.9 -> 99.0		28.3	52.5



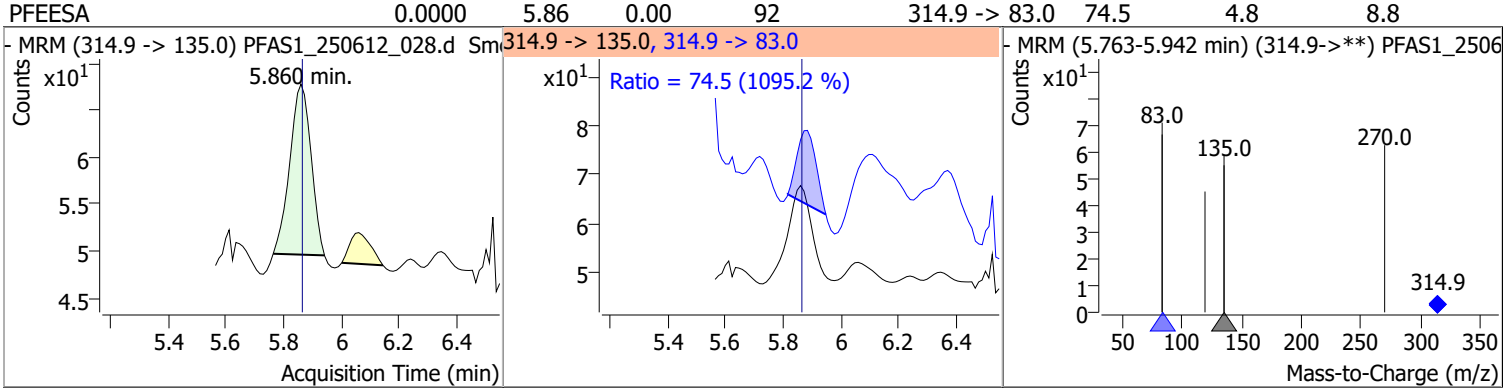
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8286	5.73	0.00	242030	287.0 -> 185.0	42.7	29.4	54.6



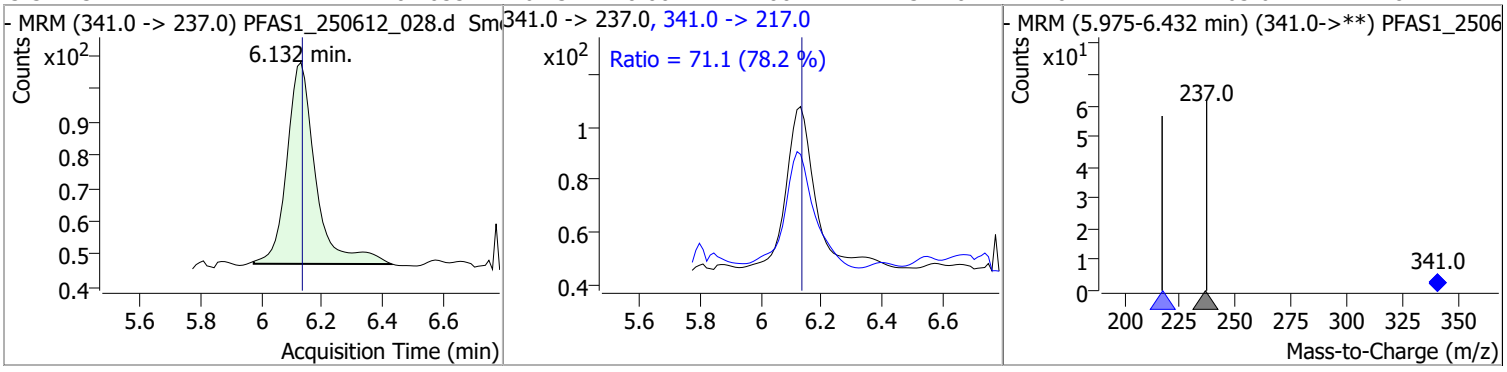
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0136	5.75	0.01	113	285.0 -> 185.0	17.5	30.1	56.0



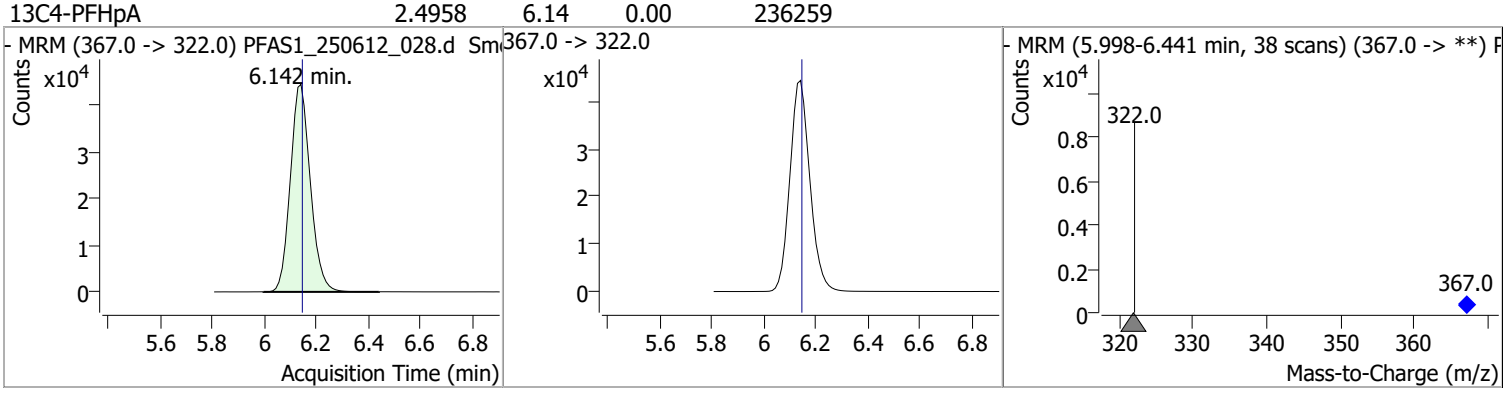
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.86	0.00	92	314.9 -> 83.0	74.5	4.8	8.8



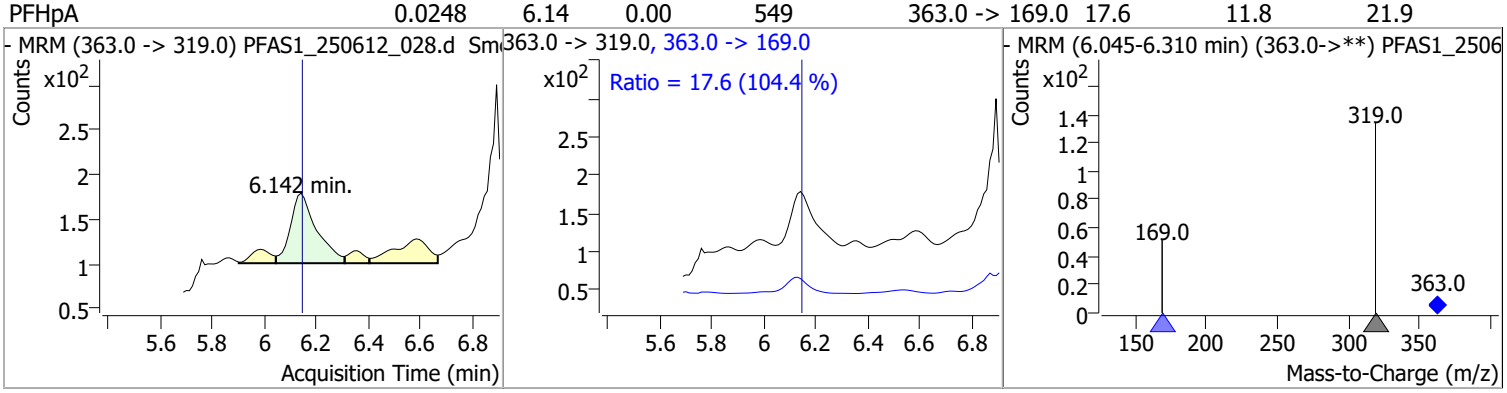
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.7055	6.13	0.00	400	341.0 -> 217.0	71.1	63.6	118.1



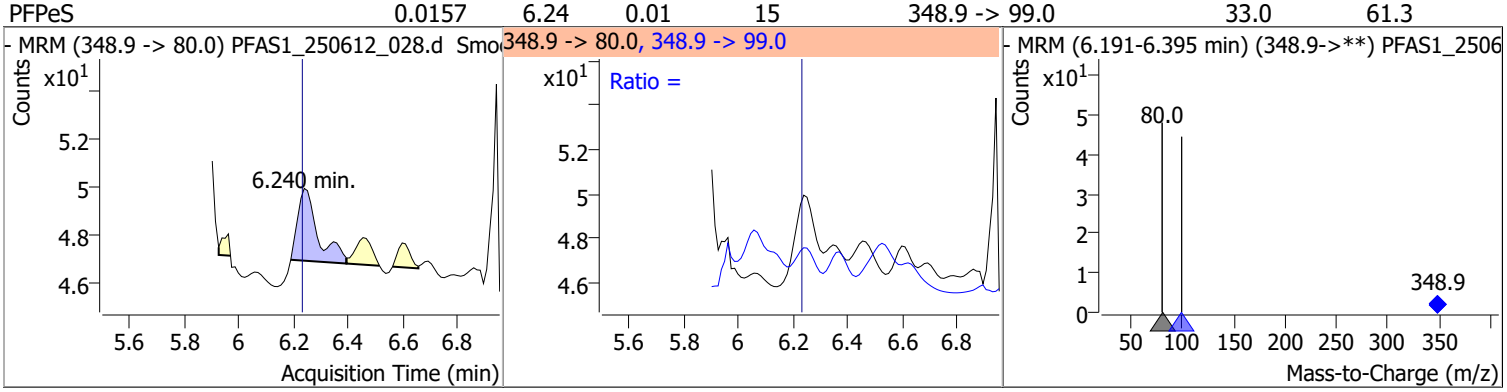
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4958	6.14	0.00	236259				



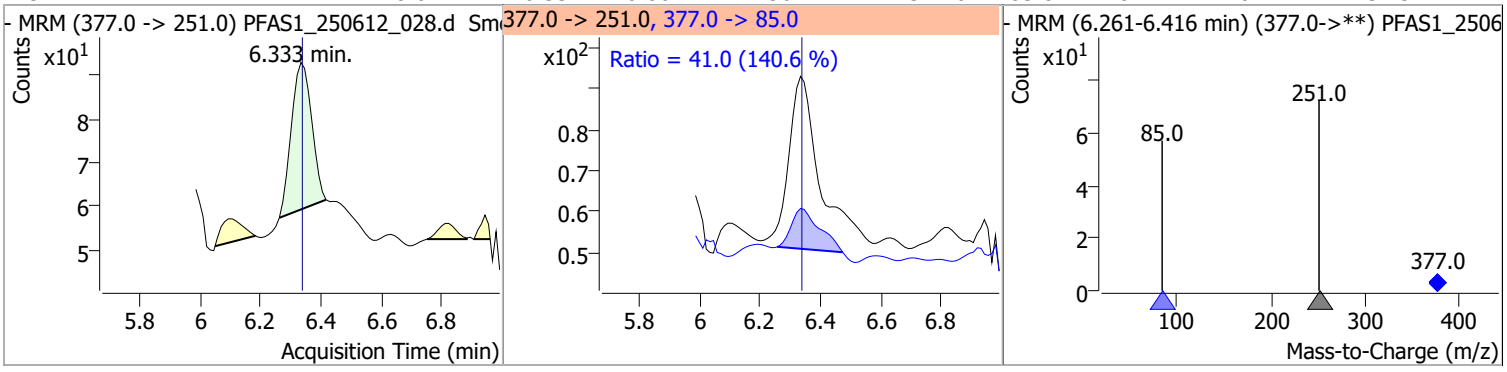
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0248	6.14	0.00	549	363.0 -> 169.0	17.6	11.8	21.9



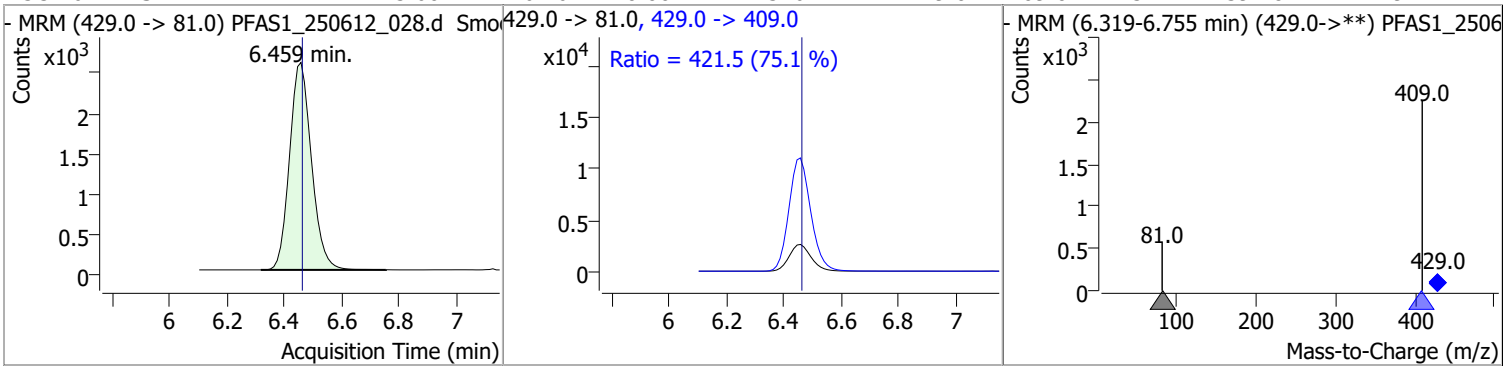
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0157	6.24	0.01	15	348.9 -> 99.0		33.0	61.3



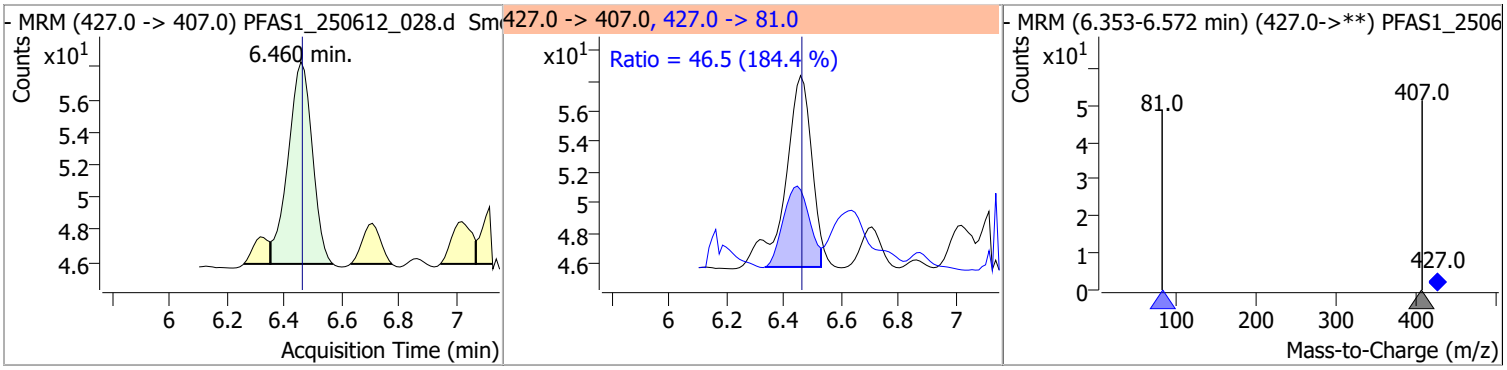
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0442	6.33	0.00	156	377.0 -> 85.0	41.0	20.4	37.9



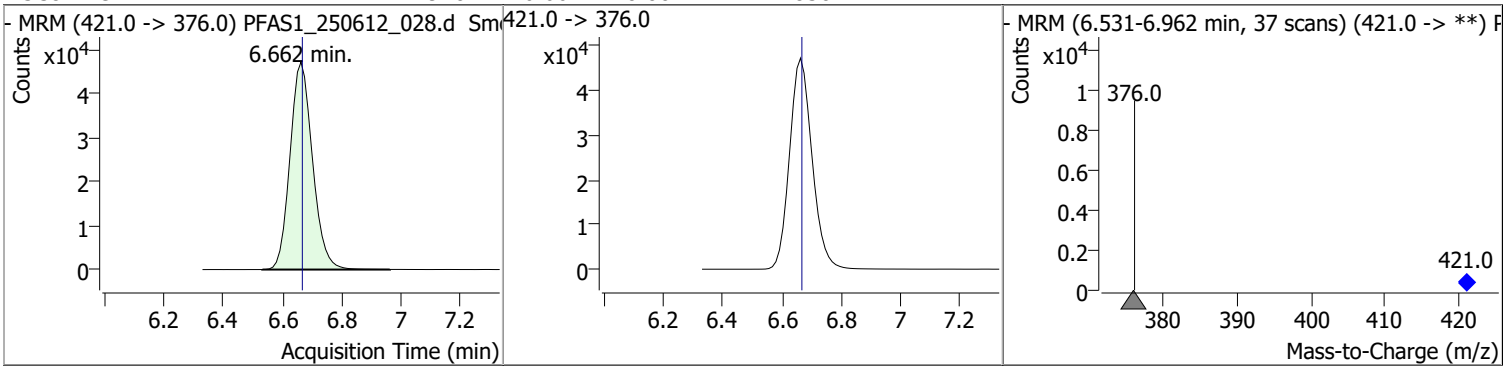
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6014	6.46	0.00	13762	429.0 -> 409.0	421.5	392.8	729.4



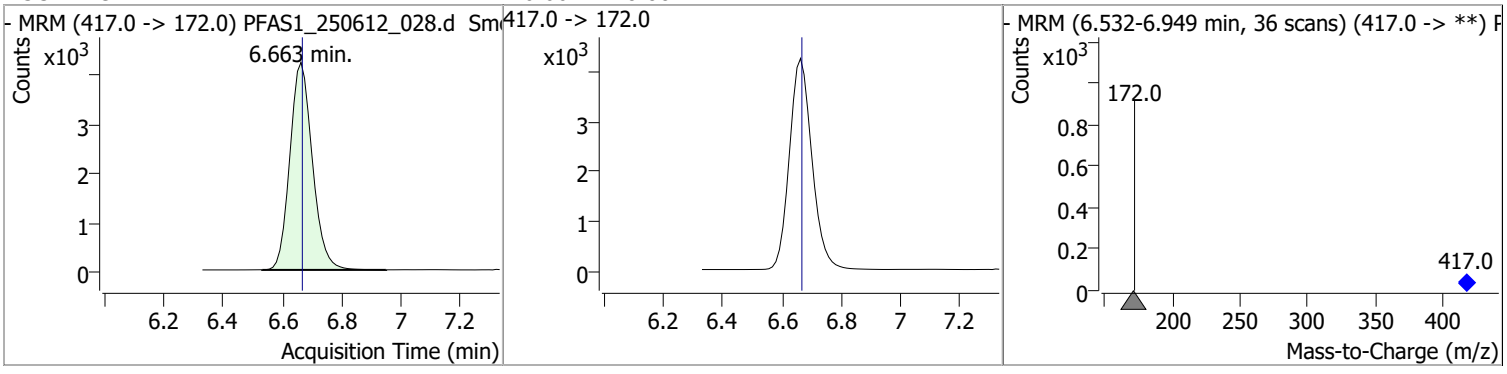
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.46	0.00	73	427.0 -> 81.0	46.5	17.7	32.8



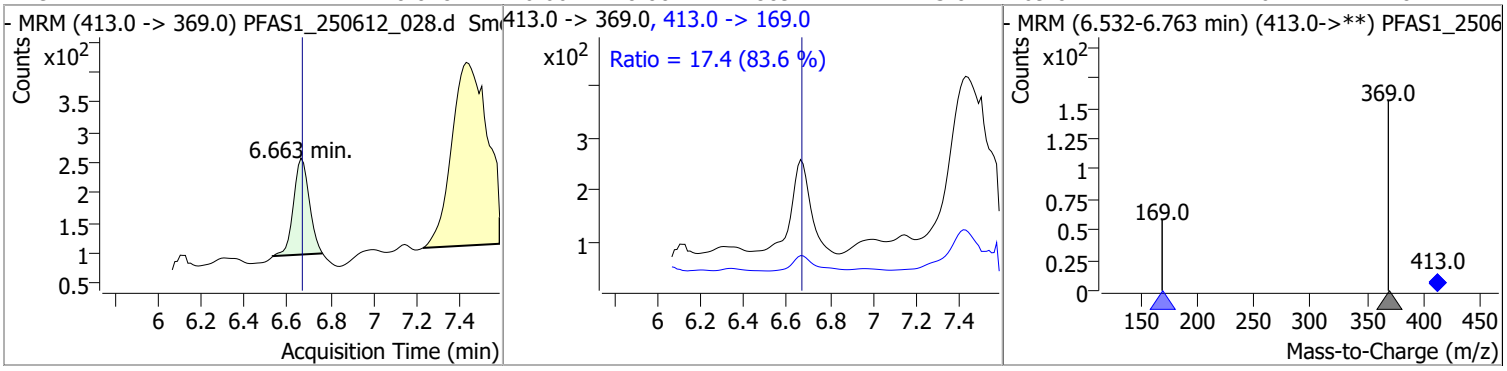
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4910	6.66	0.00	247830				



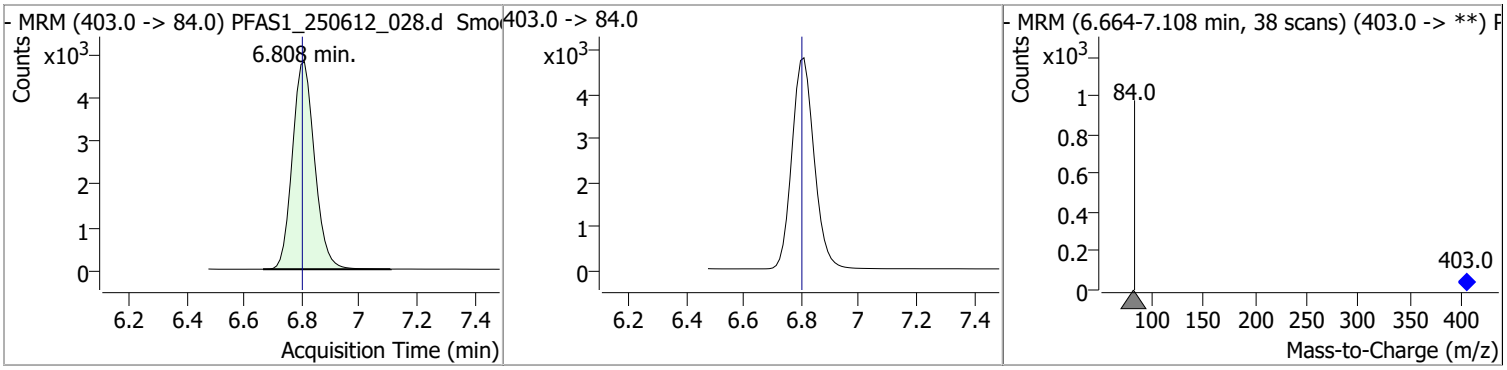
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	22217				



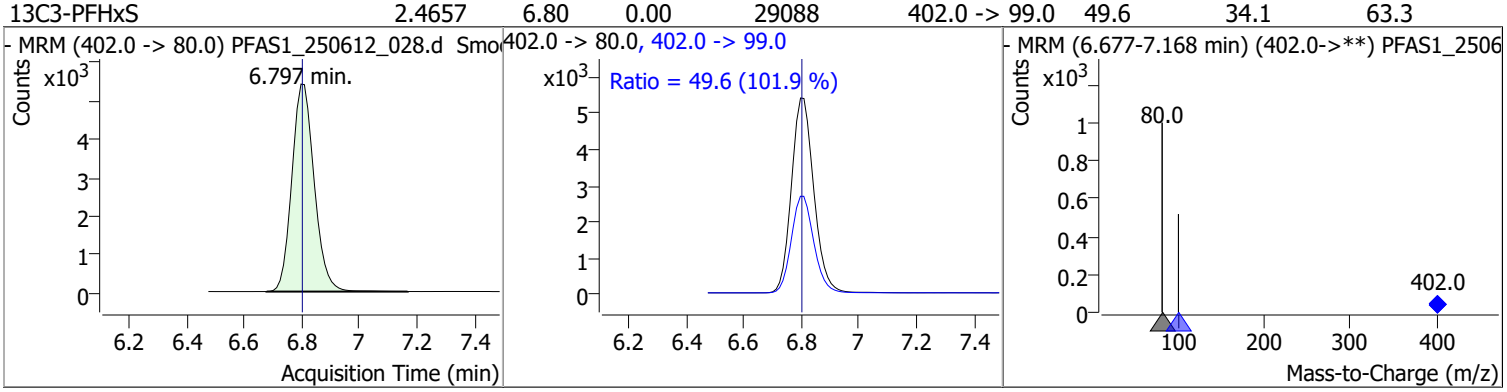
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0184	6.66	0.00	809	413.0 -> 169.0	17.4	14.6	27.0



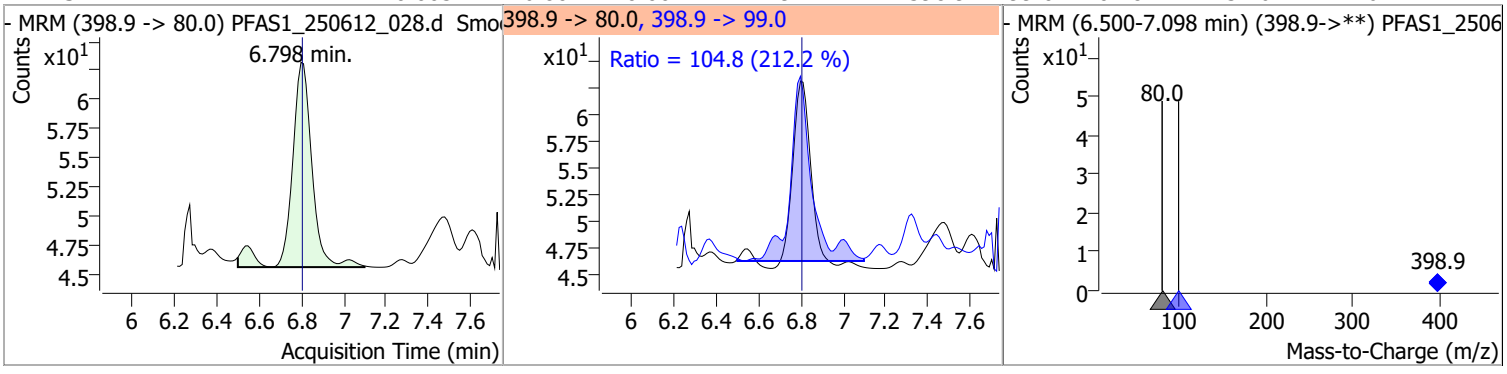
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	25699				



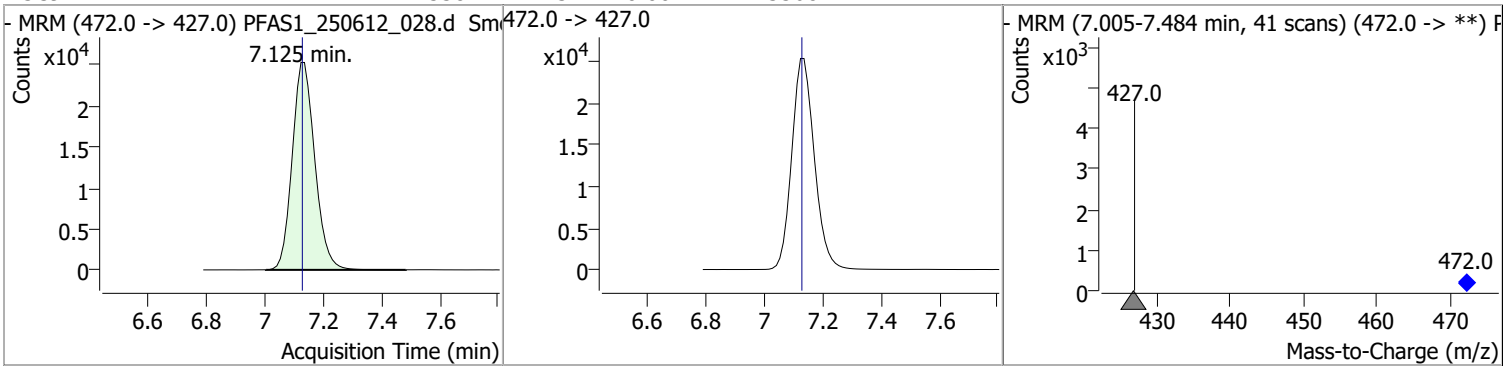
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4657	6.80	0.00	29088	402.0 -> 99.0	49.6	34.1	63.3



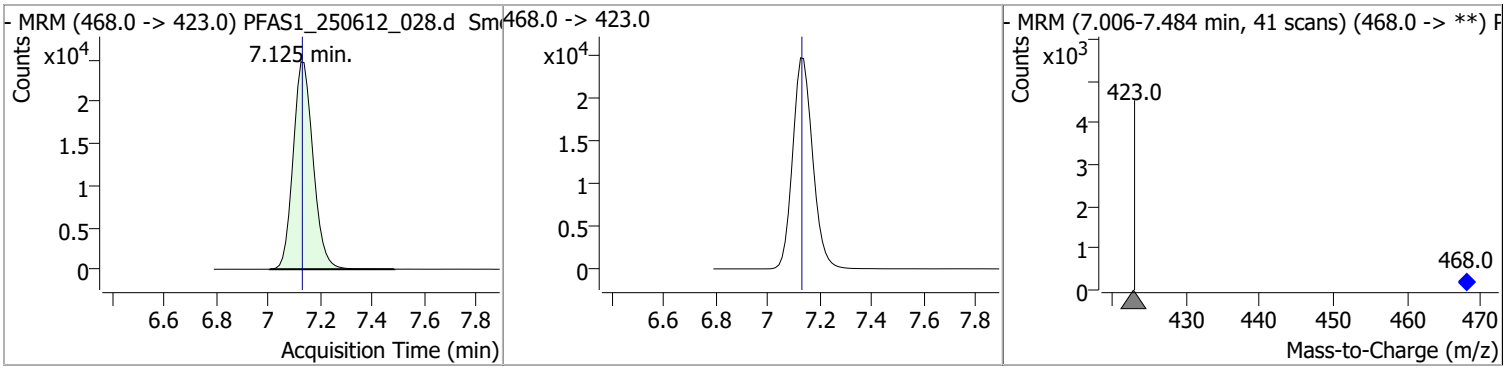
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0031	6.80	0.00	119	398.9 -> 99.0	104.8	34.6	64.2



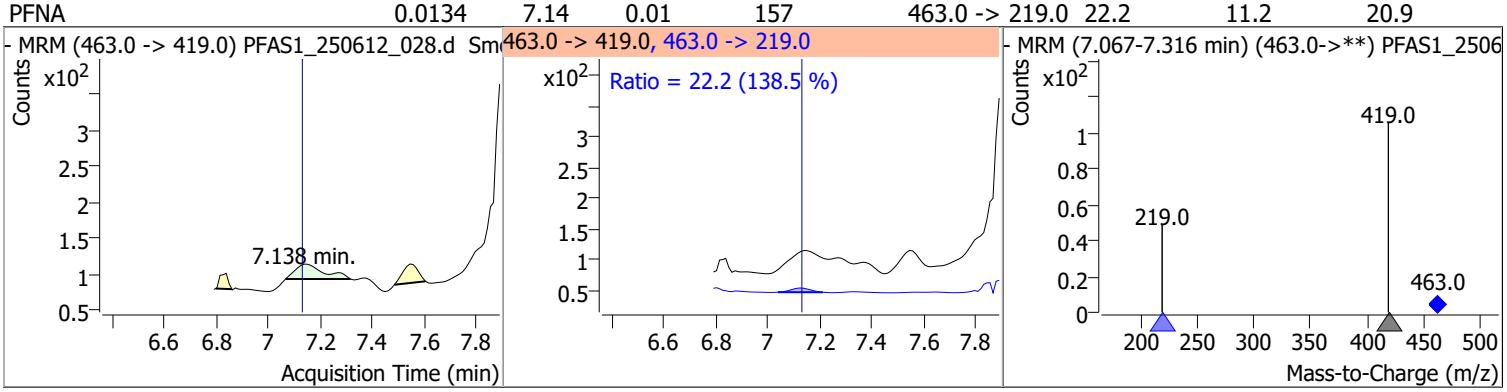
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2538	7.13	0.00	135682				



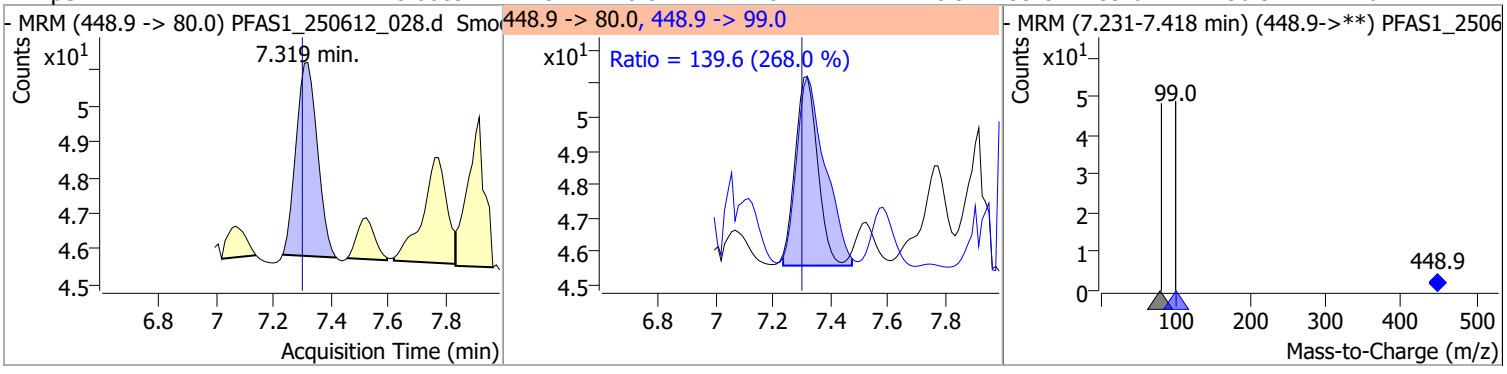
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	131971				



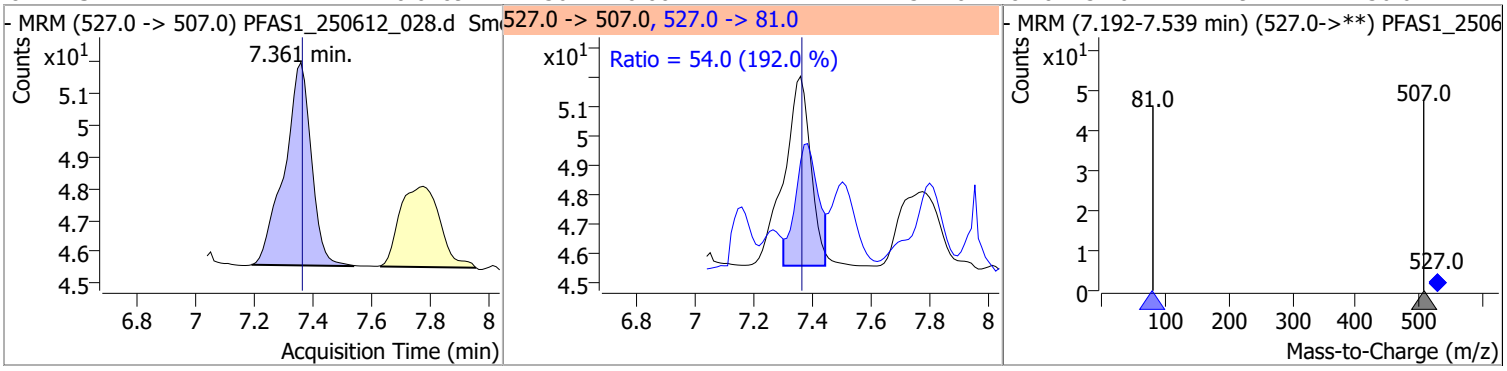
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0134	7.14	0.01	157	463.0 -> 219.0	22.2	11.2	20.9



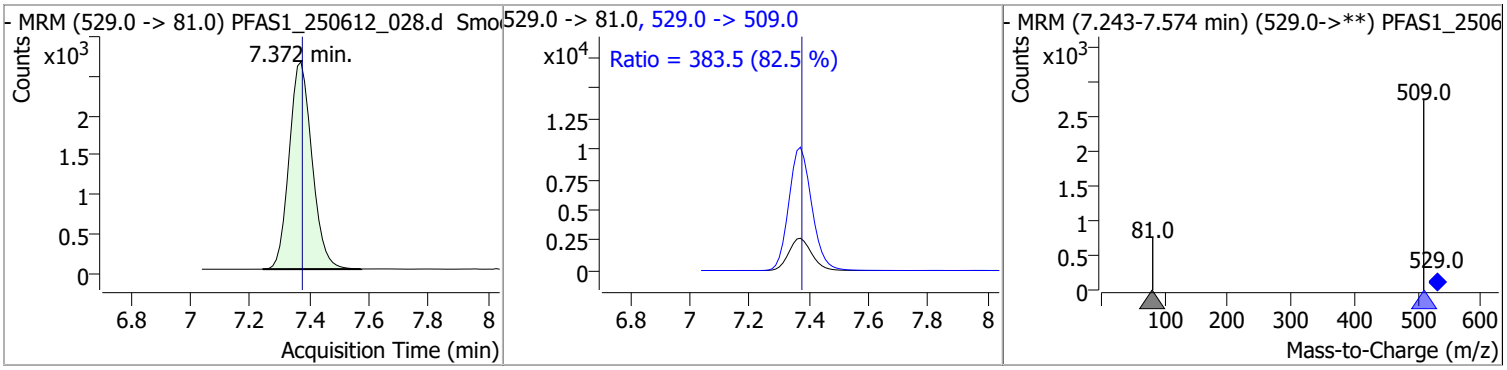
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0009	7.32	0.02	28	448.9 -> 99.0	139.6	36.5	67.7



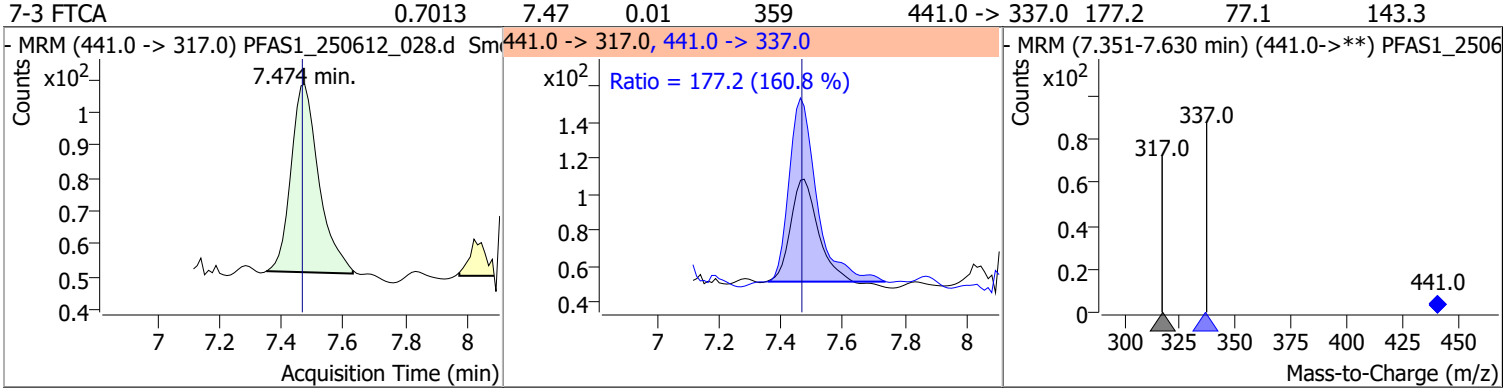
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0189	7.36	0.00	41	527.0 -> 81.0	54.0	19.7	36.6



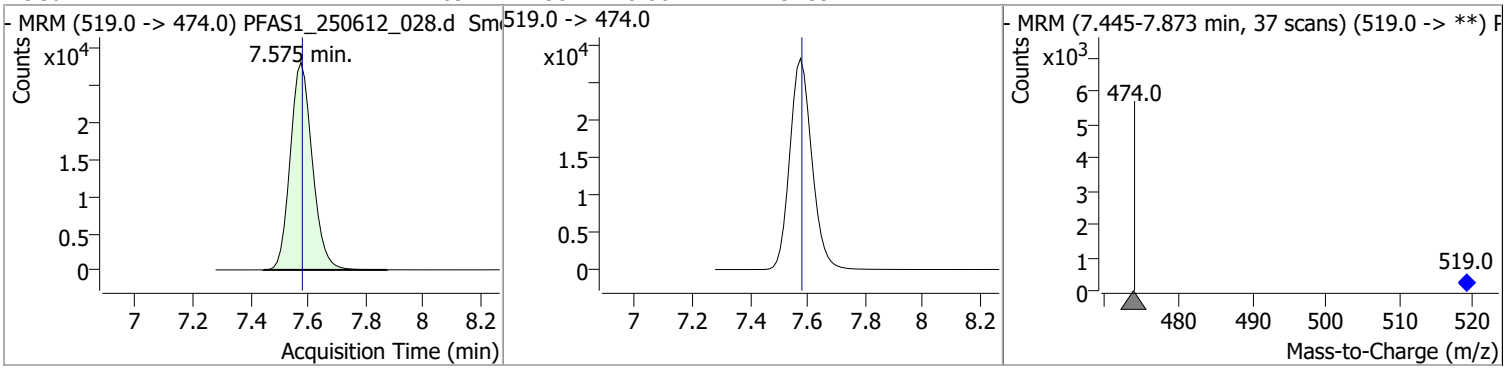
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2143	7.37	0.00	14027	529.0 -> 509.0	383.5	325.6	604.6



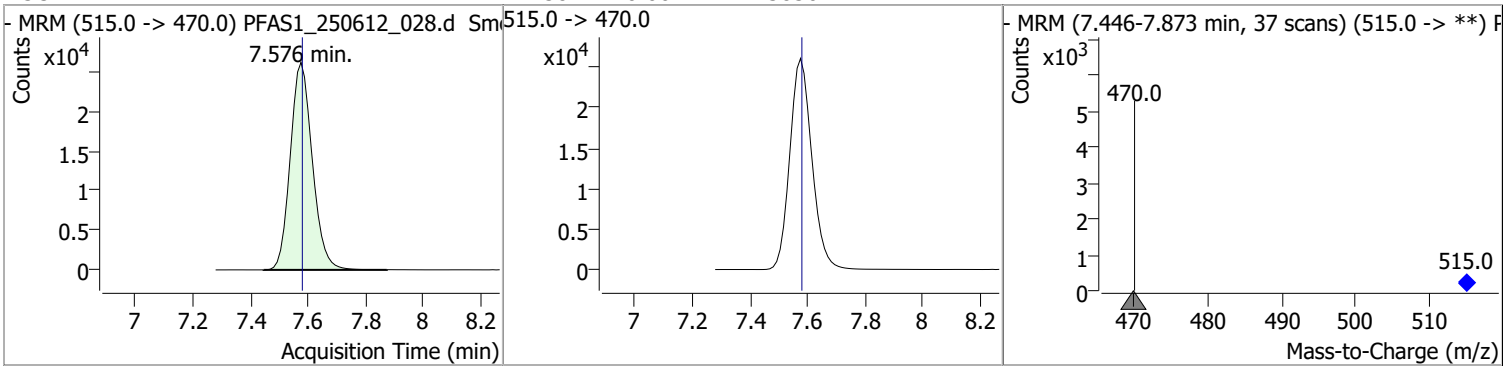
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.7013	7.47	0.01	359	441.0 -> 337.0	177.2	77.1	143.3



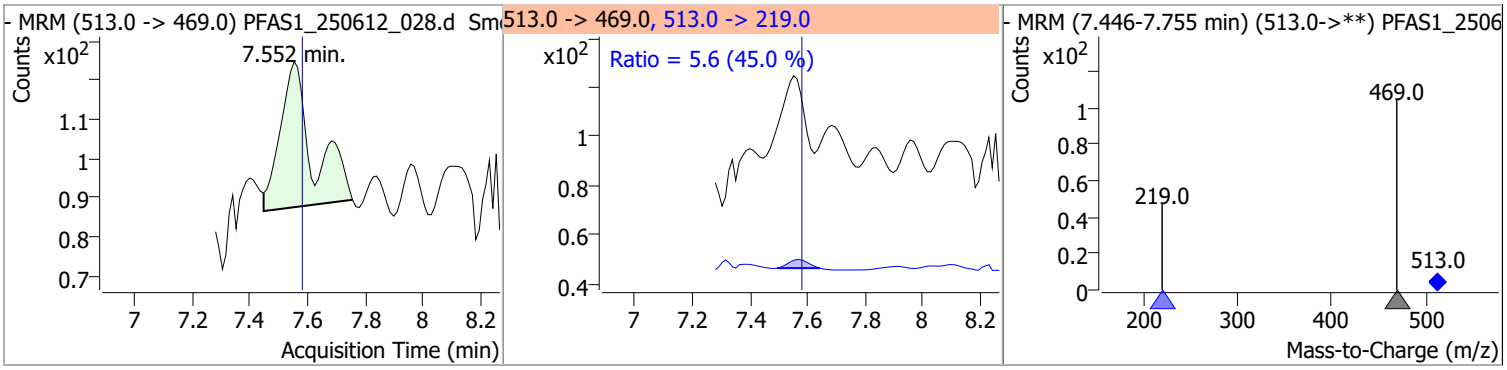
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2709	7.58	0.00	149259				



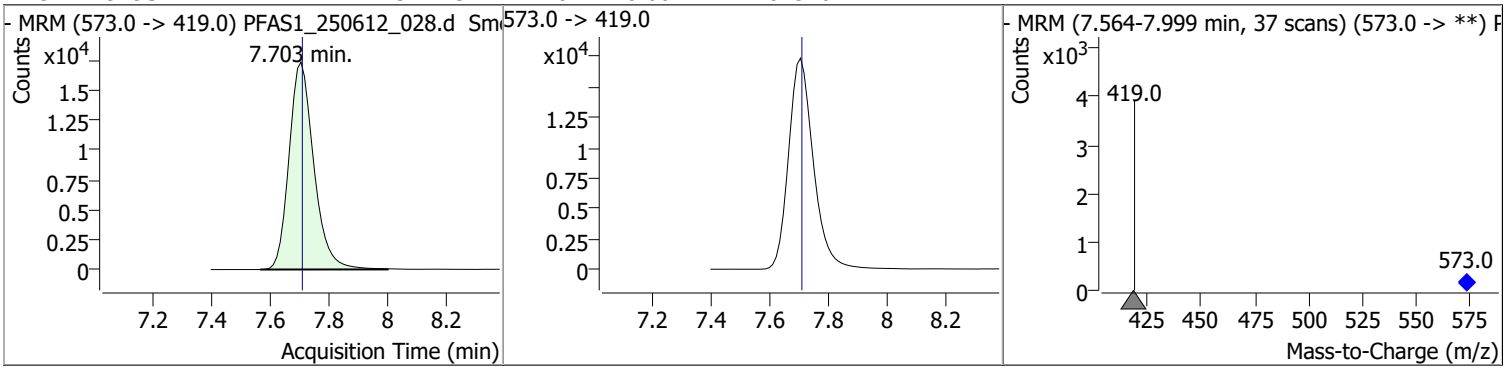
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	138304				



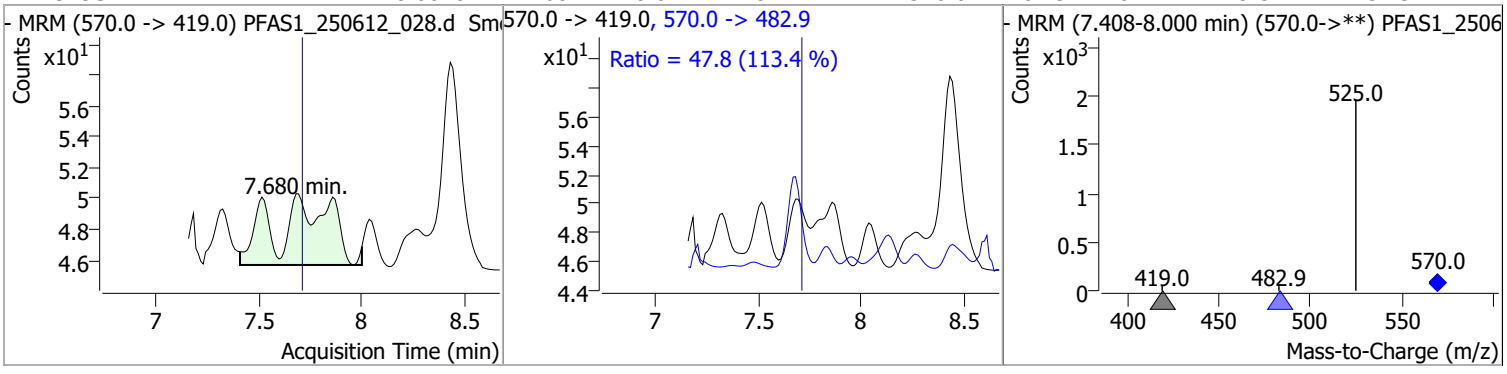
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0197	7.55	-0.02	293	513.0 -> 219.0	5.6	8.7	16.2



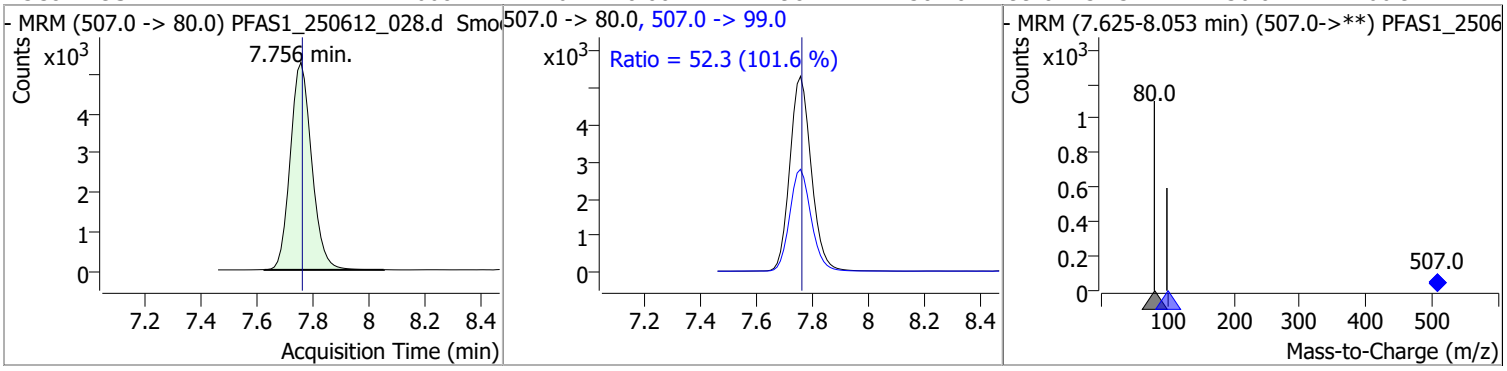
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1273	7.70	0.00	101320				



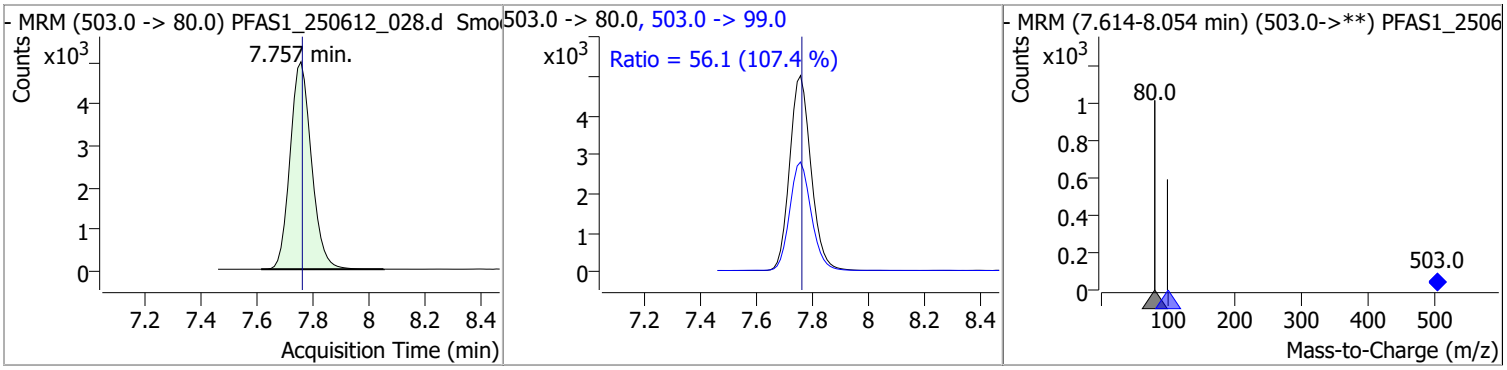
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0018	7.68	-0.02	84	570.0 -> 482.9	47.8	29.5	54.9



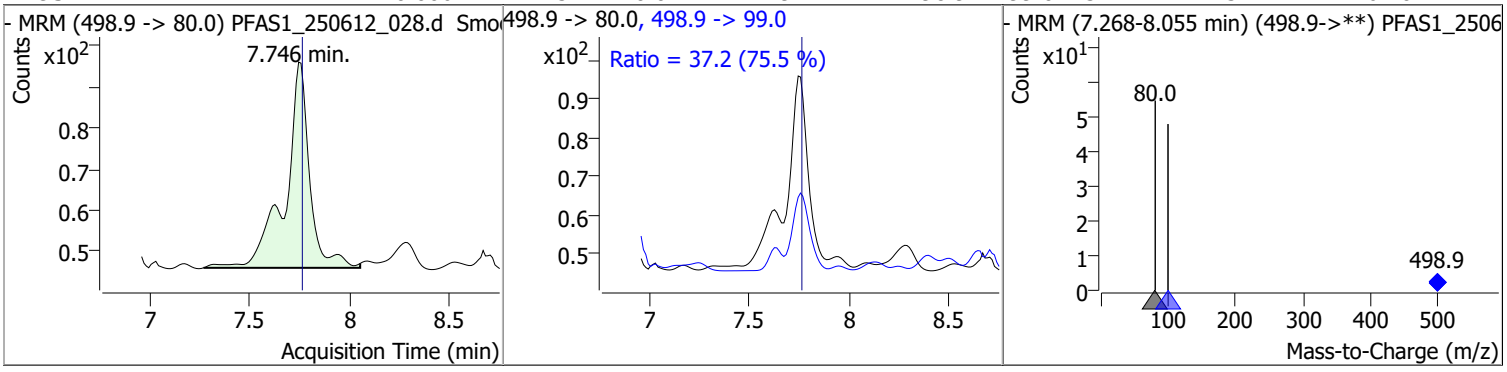
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.6682	7.76	0.00	27984	507.0 -> 99.0	52.3	36.0	66.9



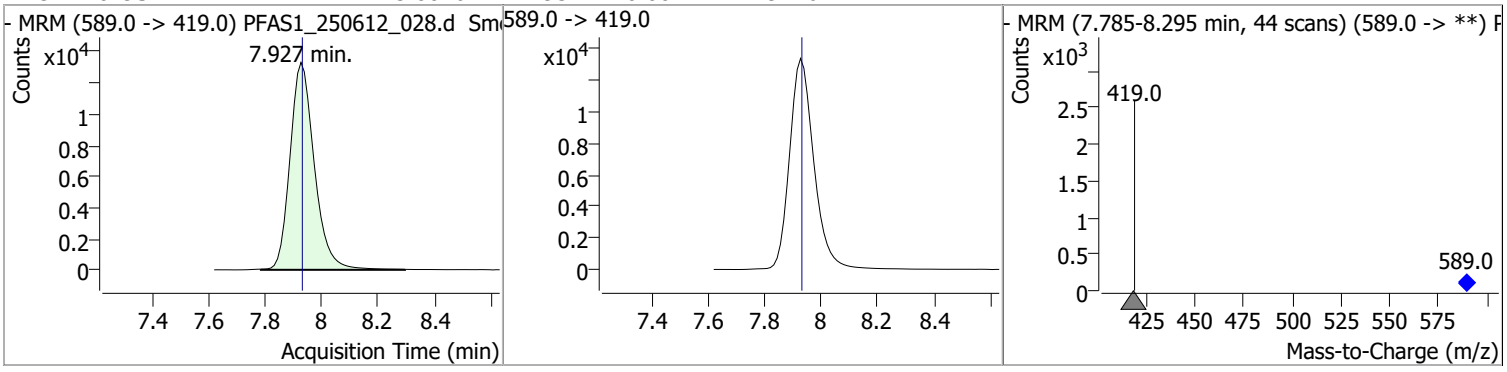
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26465	503.0 -> 99.0	56.1	36.6	67.9



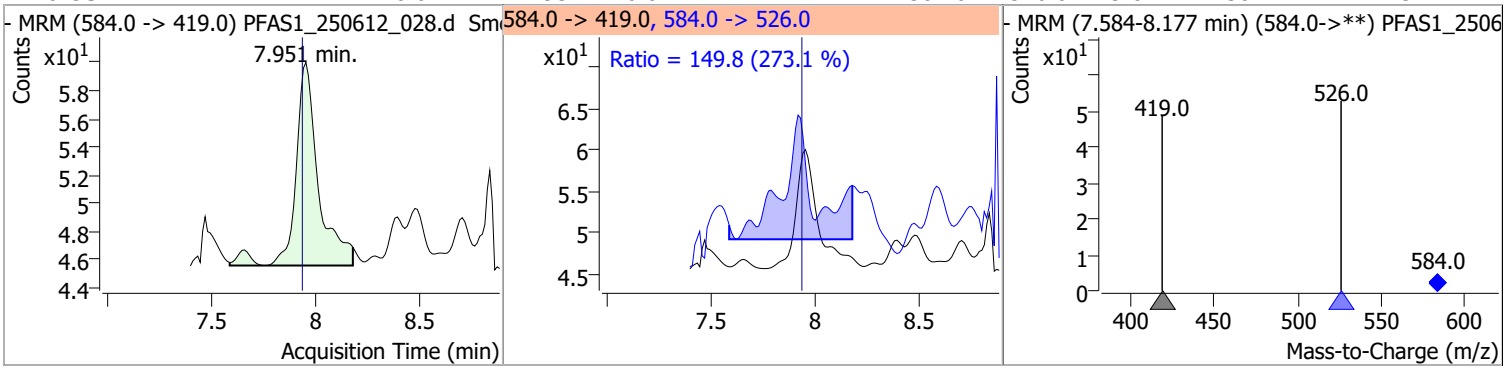
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0064	7.75	-0.01	429	498.9 -> 99.0	37.2	34.4	64.0



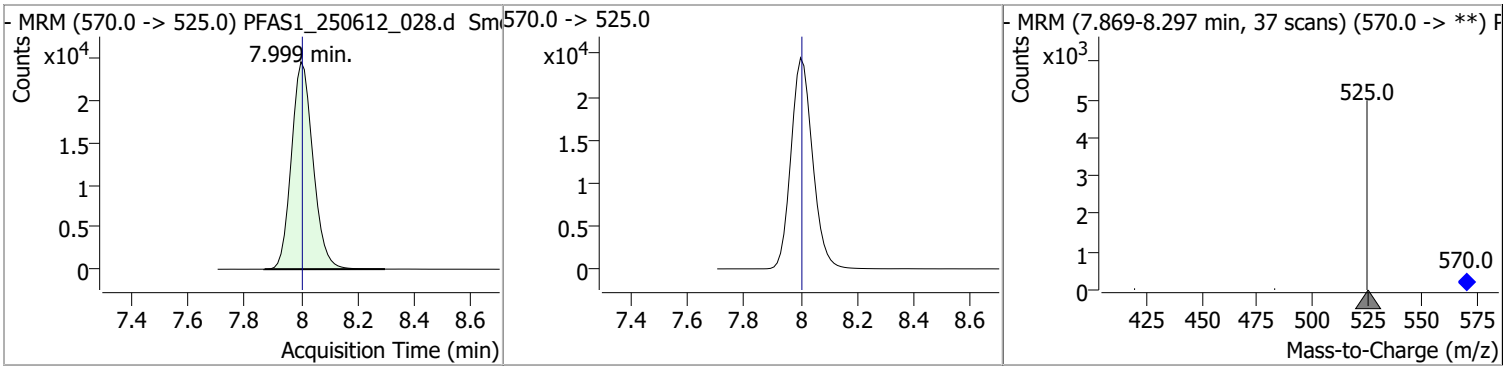
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0026	7.93	0.00	79216				



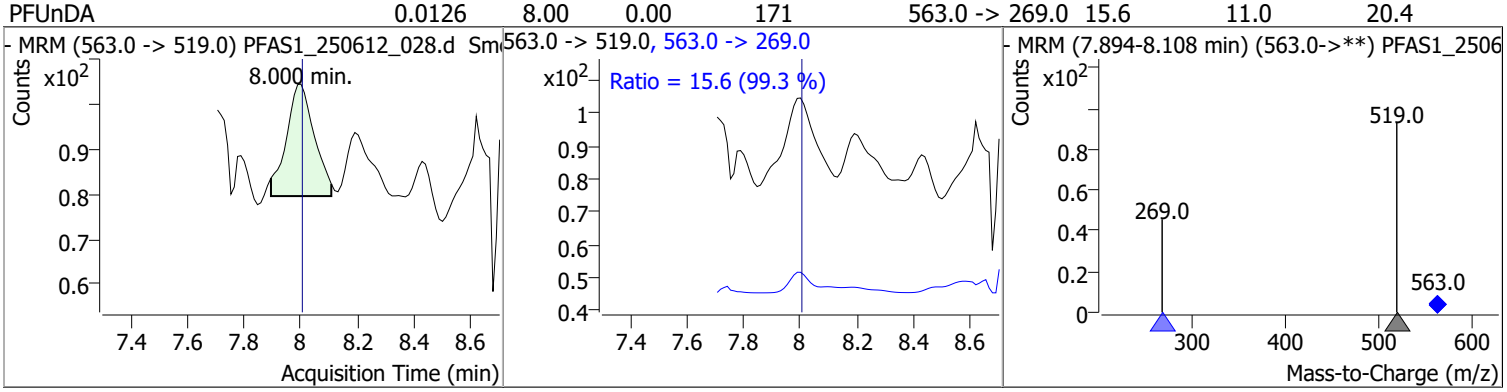
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0171	7.95	0.02	111	584.0 -> 526.0	149.8	38.4	71.3



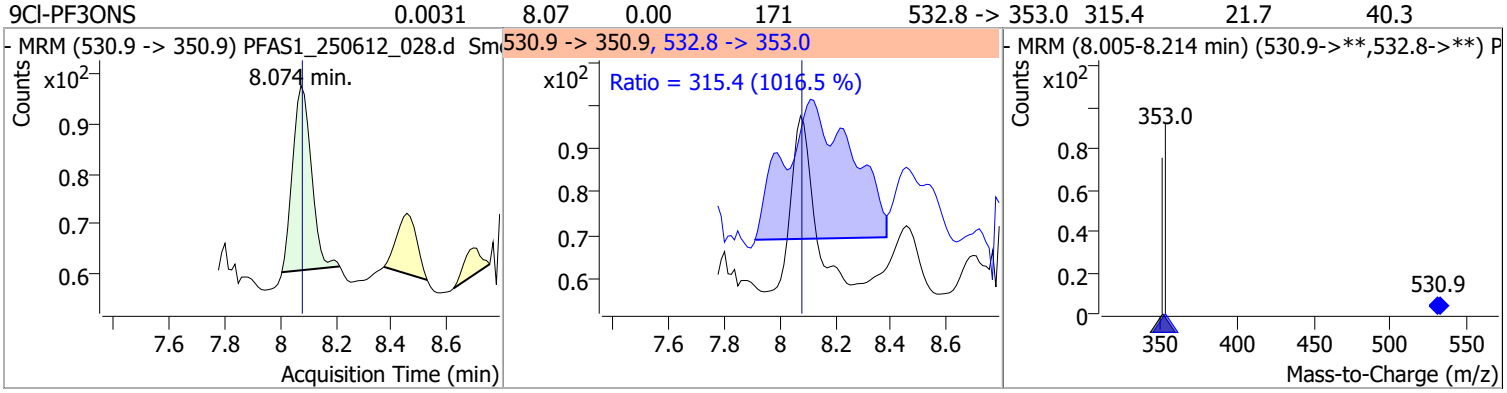
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2728	8.00	0.00	129798				



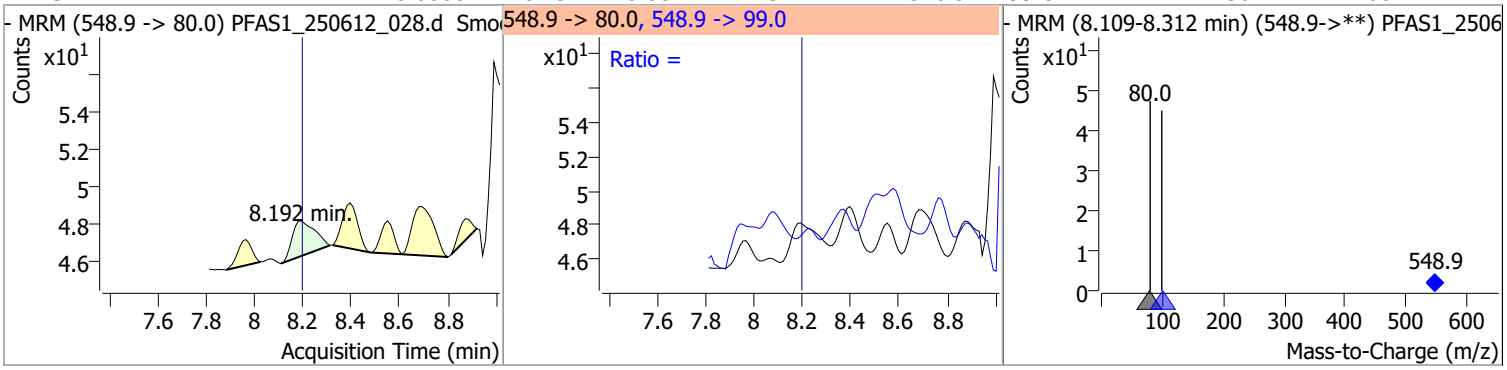
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0126	8.00	0.00	171	563.0 -> 269.0	15.6	11.0	20.4



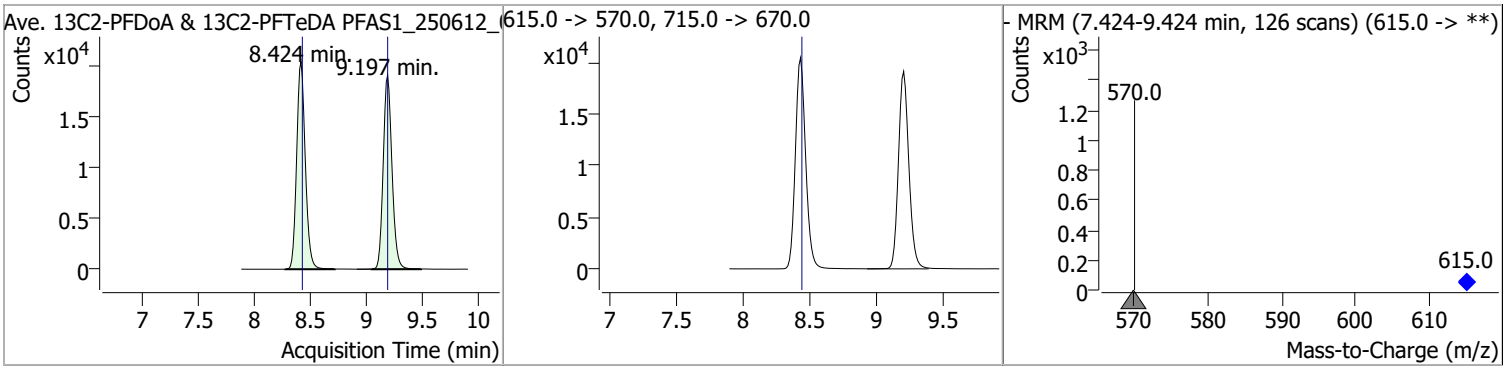
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0031	8.07	0.00	171	532.8 -> 353.0	315.4	21.7	40.3



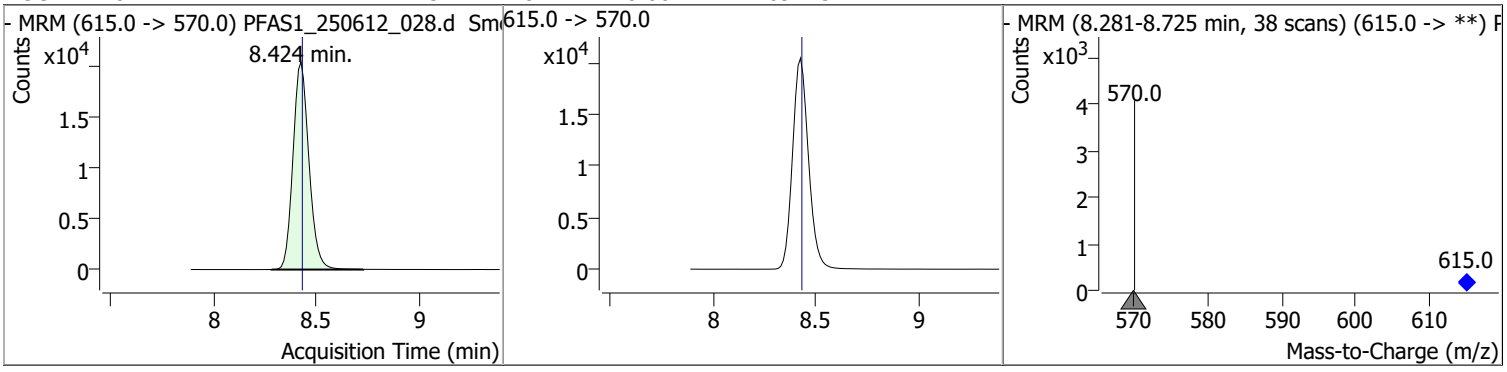
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.19	0.00	13	548.9 -> 99.0		36.7	68.1



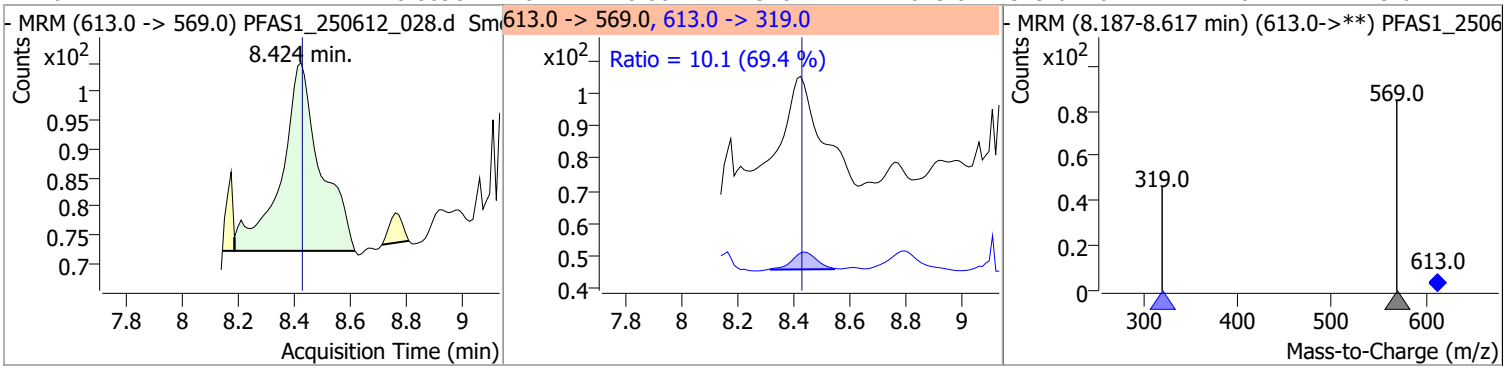
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2159	8.81	0.39	106523				



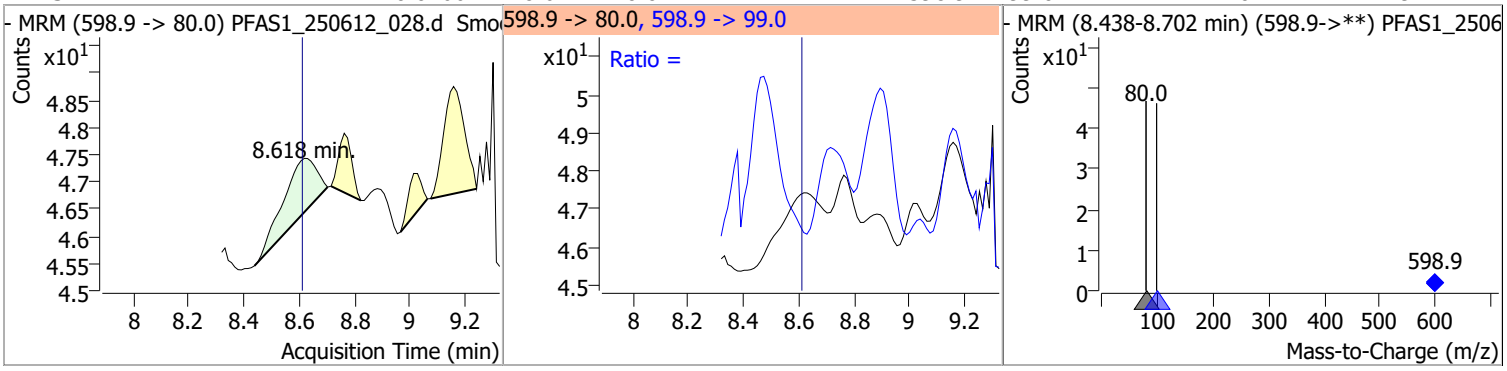
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2312	8.42	0.00	109213				



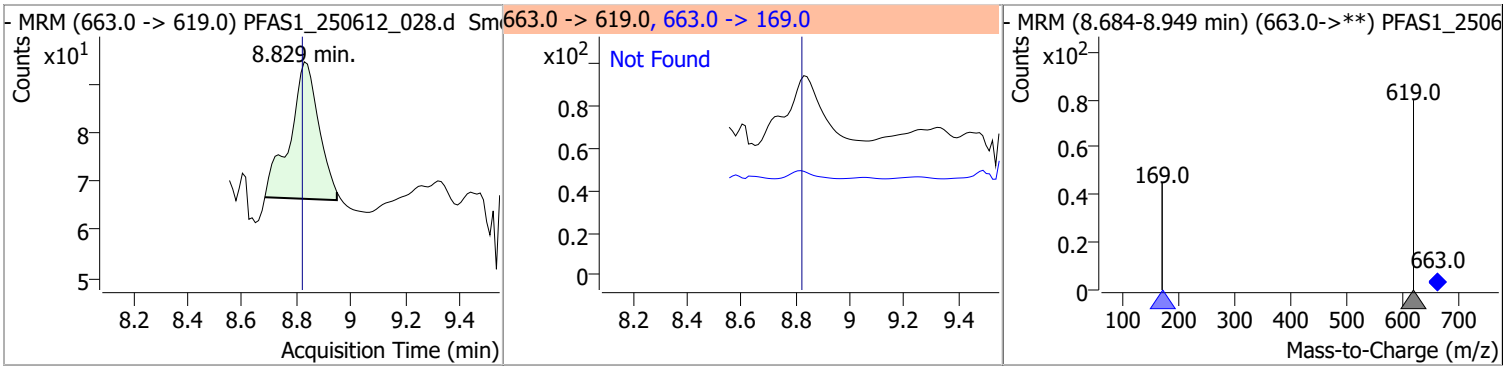
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0090	8.42	0.00	320	613.0 -> 319.0	10.1	10.2	19.0



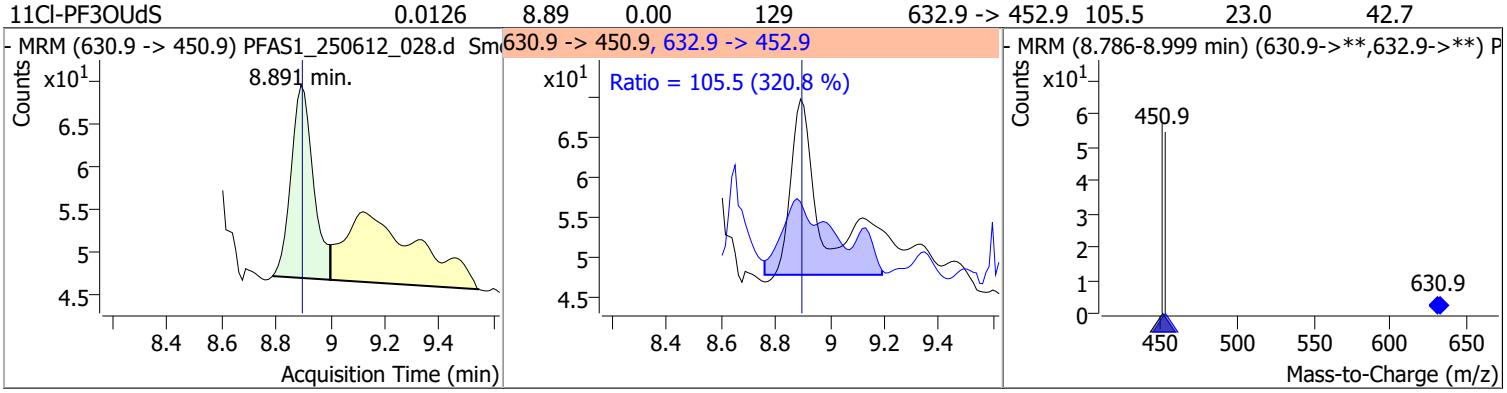
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0166	8.62	0.01	7	598.9 -> 99.0		40.4	74.9



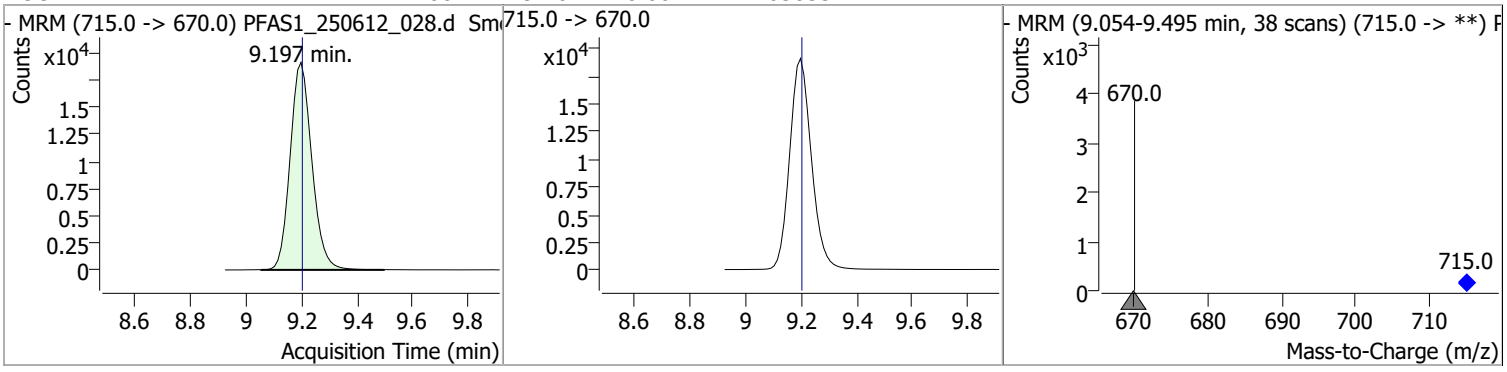
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0178	8.83	0.01	208	663.0 -> 169.0		7.2	13.4



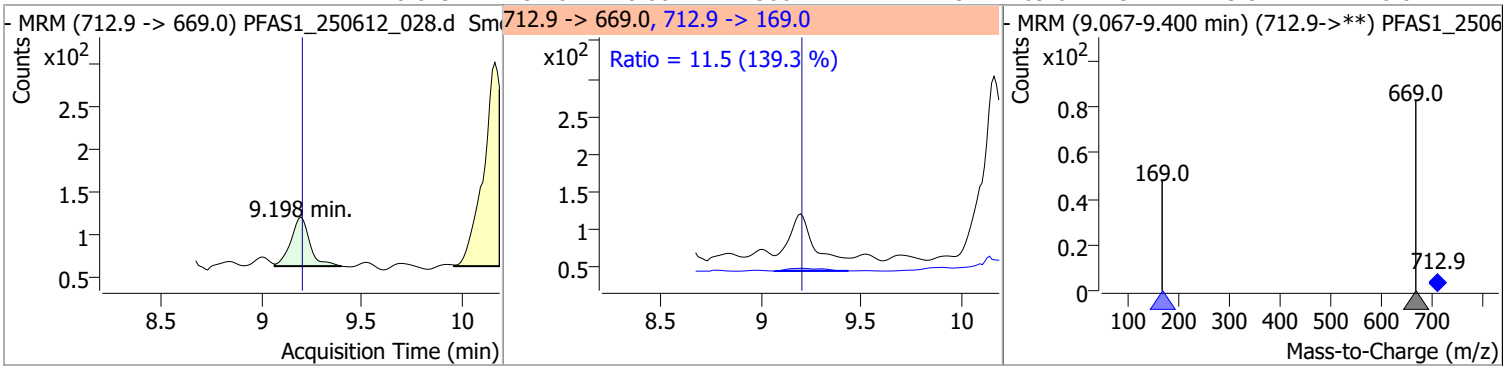
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0126	8.89	0.00	129	632.9 -> 452.9	105.5	23.0	42.7



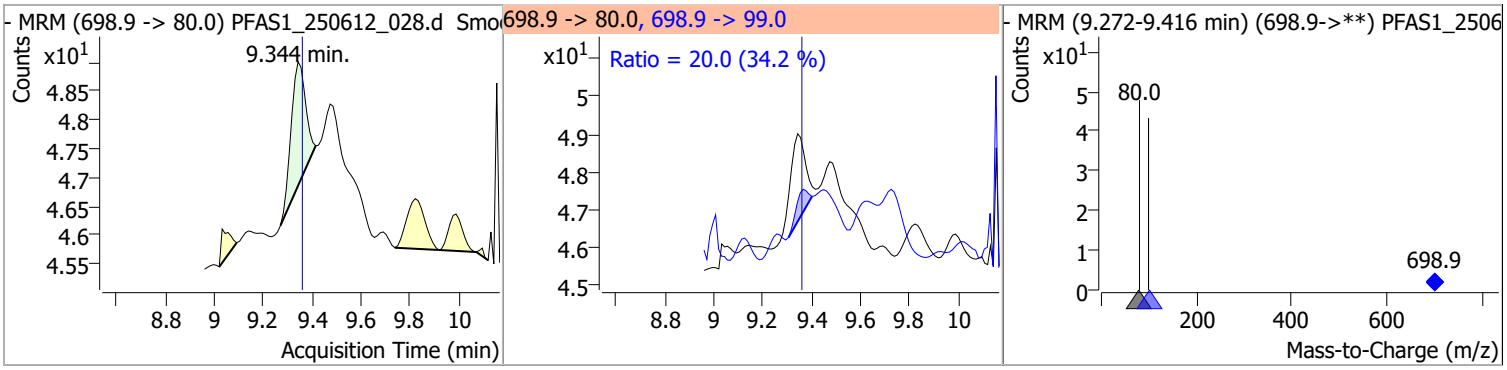
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2002	9.20	0.00	103833				



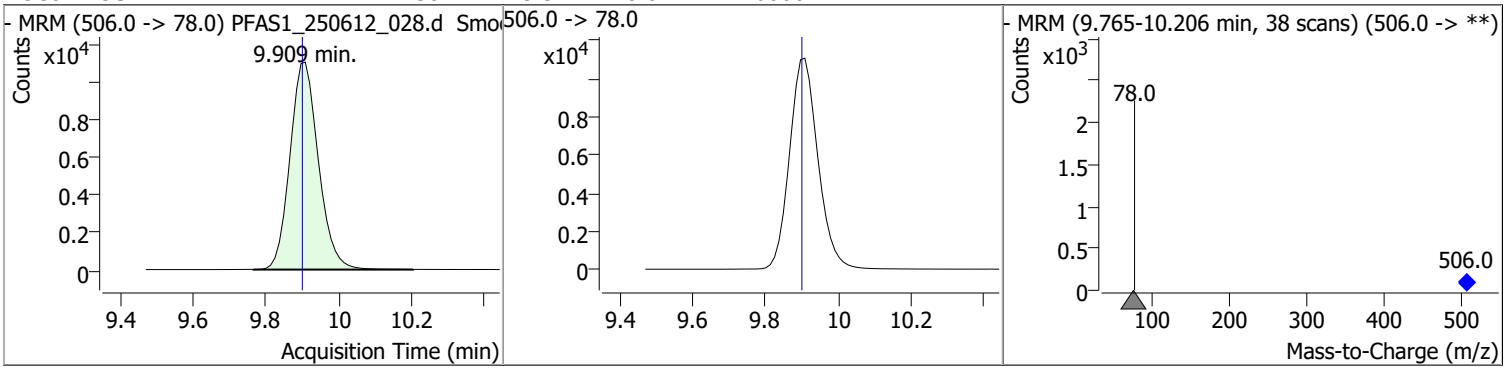
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0192	9.20	0.00	380	712.9 -> 169.0	11.5	5.8	10.8



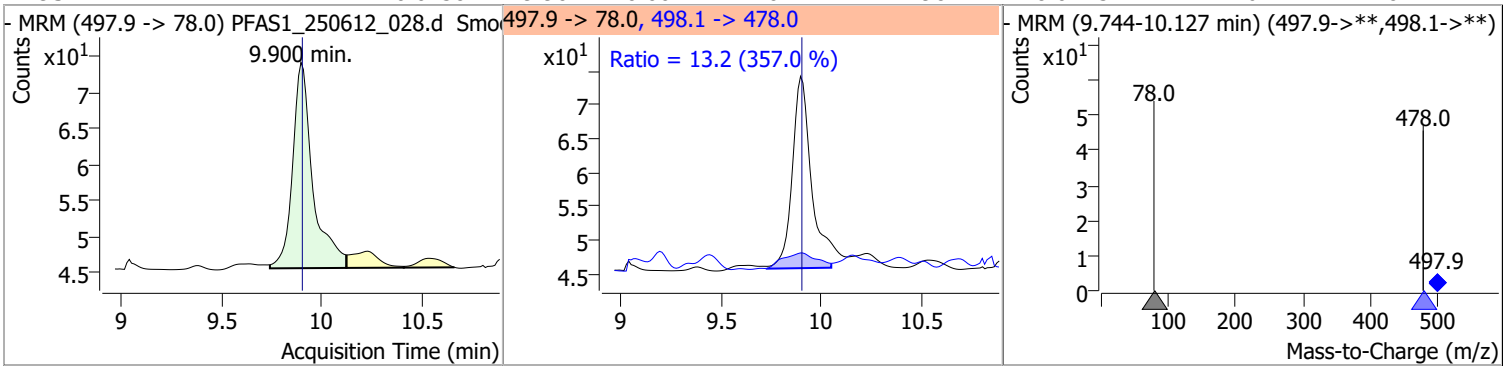
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0208	9.34	-0.01	10	698.9 -> 99.0	20.0	41.0	76.1



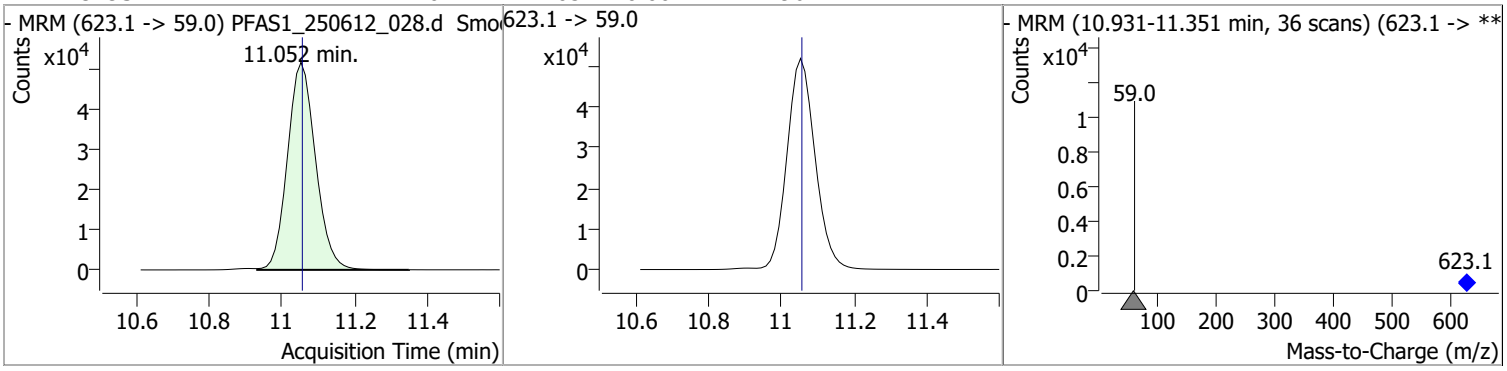
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5817	9.91	0.01	60002				



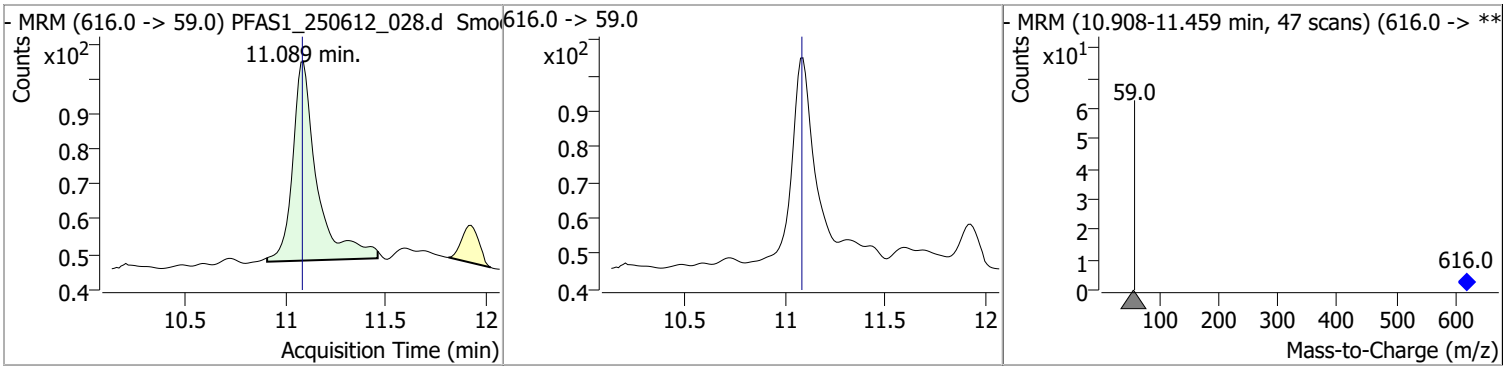
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0138	9.90	0.00	201	498.1 -> 478.0	13.2	2.6	4.8



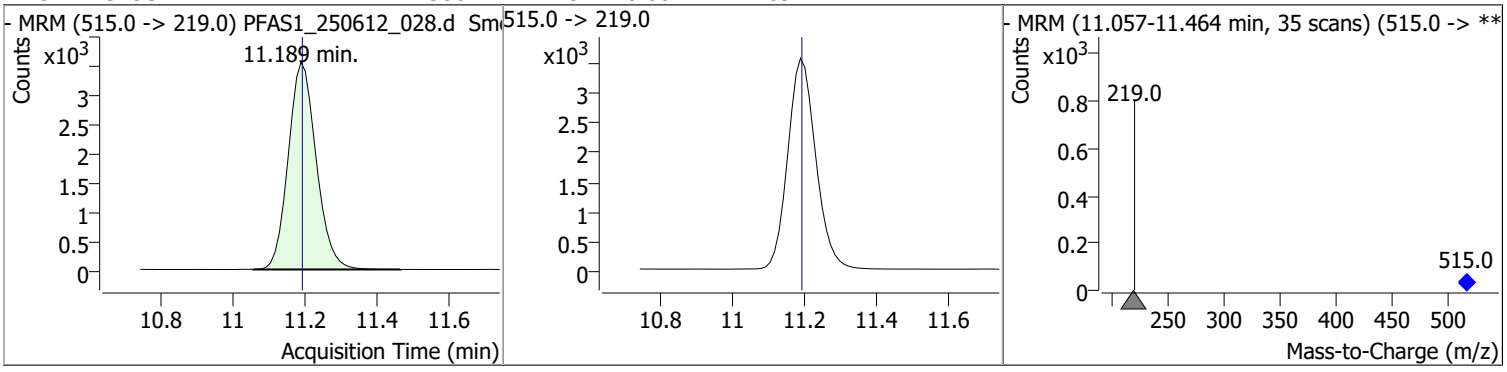
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.0147	11.05	0.00	279641				



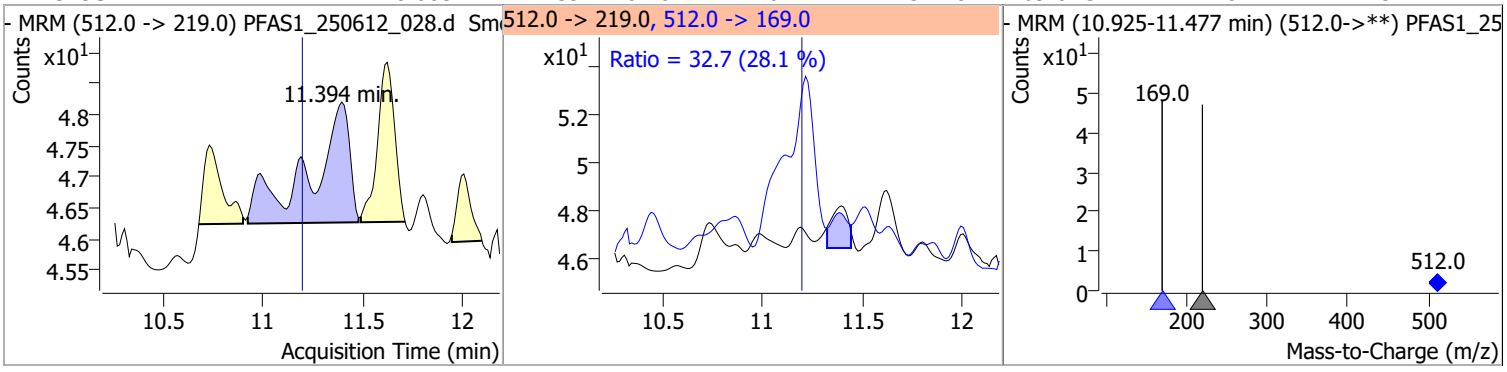
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	481				



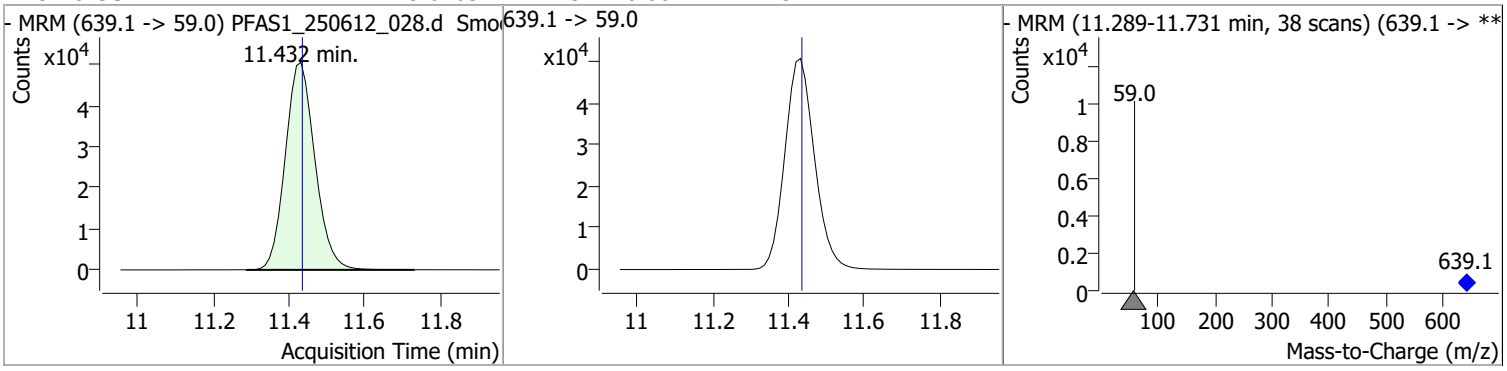
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4306	11.19	0.00	18972				



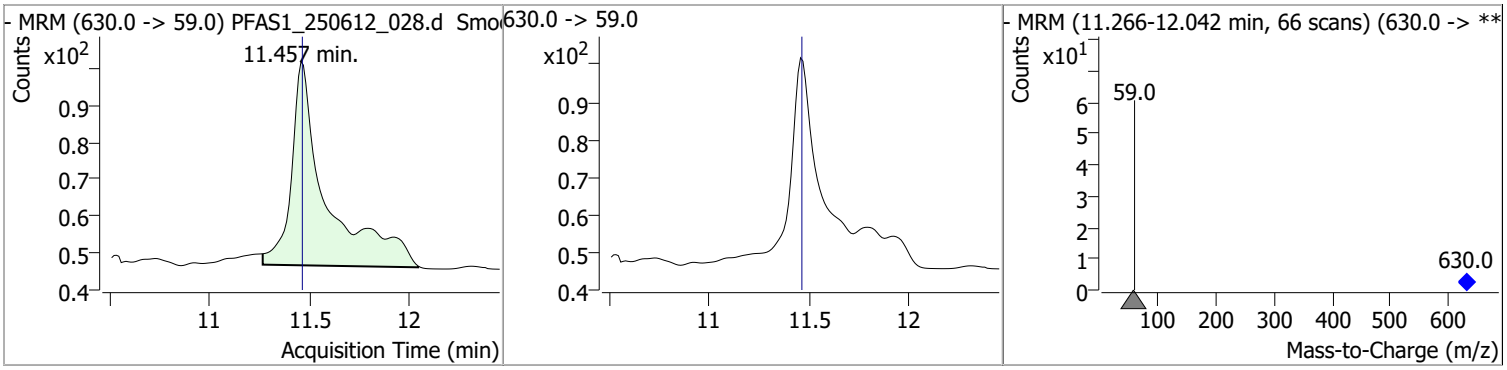
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0051	11.39	0.20	26	512.0 -> 169.0	32.7	81.4	151.2



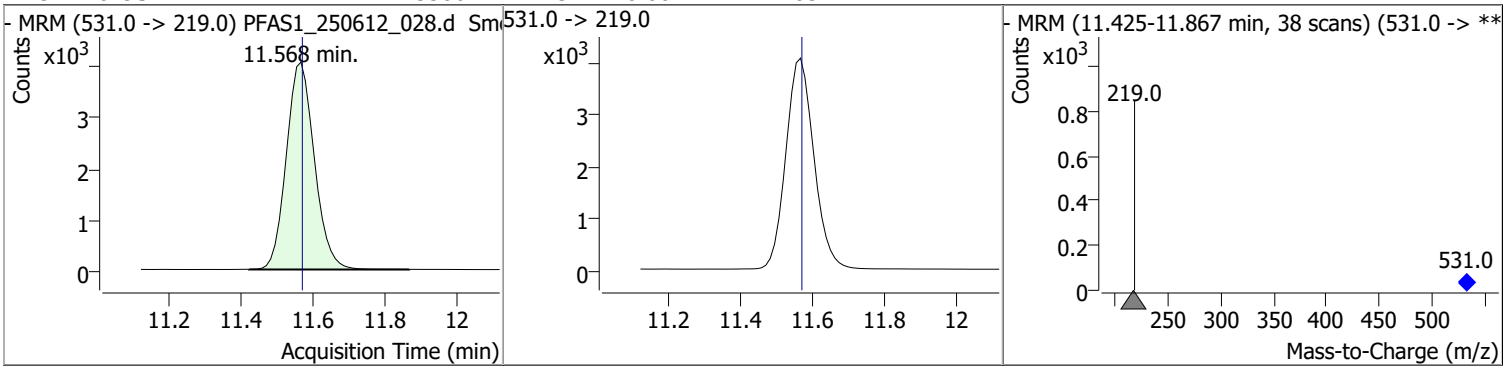
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.6263	11.43	0.00	275217				



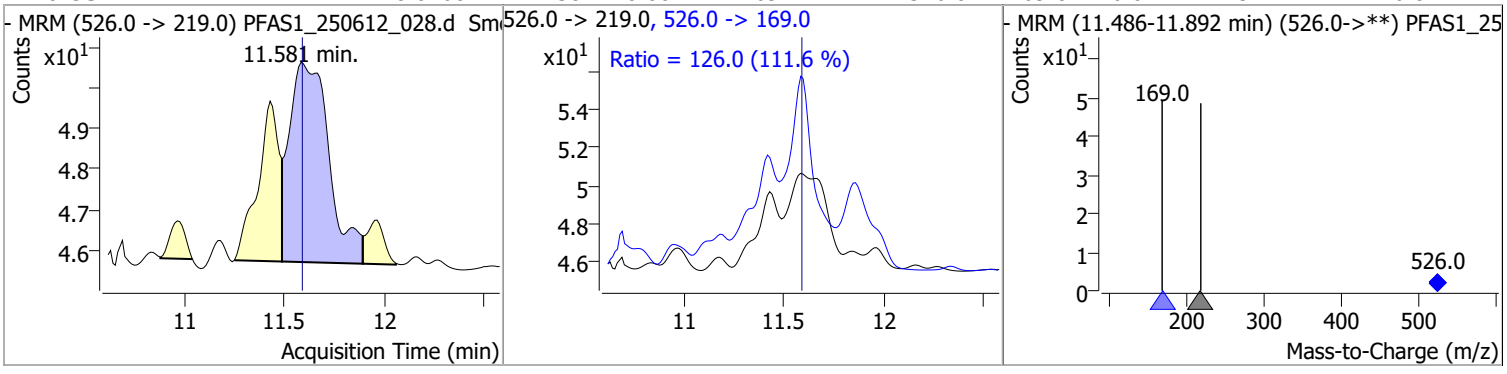
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	674				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5306	11.57	0.00	21703				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0268	11.58	0.00	69	526.0 -> 169.0	126.0	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_029.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:26:04 PM
Sample Name	B25F0614-BLK1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

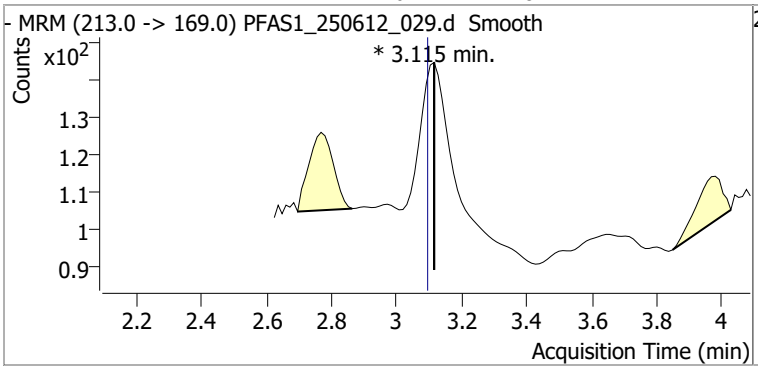
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168590	5.0000	µg/L	6.583
13C2-PFHxA	5.491	315.0 -> 270.0	183901	2.5000	µg/L	2.924
18O2-PFHxS	6.808	403.0 -> 84.0	23834	2.5000	µg/L	1.418
13C4-PFOA	6.663	417.0 -> 172.0	21228	2.5000	µg/L	5.116
13C5-PFNA	7.125	468.0 -> 423.0	124184	1.2500	µg/L	3.765
13C2-PFDA	7.576	515.0 -> 470.0	126826	1.2500	µg/L	1.355
13C4-PFOS	7.757	503.0 -> 80.0	25825	2.5000	µg/L	3.443
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20362	5.0000	µg/L	26.356
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 125.24%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C3-PFBS	5.505	302.0 -> 80.0	42624	2.5000	µg/L	-0.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.80%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213377	10.0000	µg/L	-3.829
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 93.41%		
13C4-PFHpA	6.142	367.0 -> 322.0	207670	2.5000	µg/L	-2.593
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12919	5.0000	µg/L	14.559
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.39%		
13C8-PFOA	6.662	421.0 -> 376.0	224606	2.5000	µg/L	-0.571
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.51%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C9-PFNA	7.125	472.0 -> 427.0	122455	1.2500	µg/L	-0.201
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.20%		
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L	-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C6-PFDA	7.575	519.0 -> 474.0	131621	1.2500	µg/L	-0.965

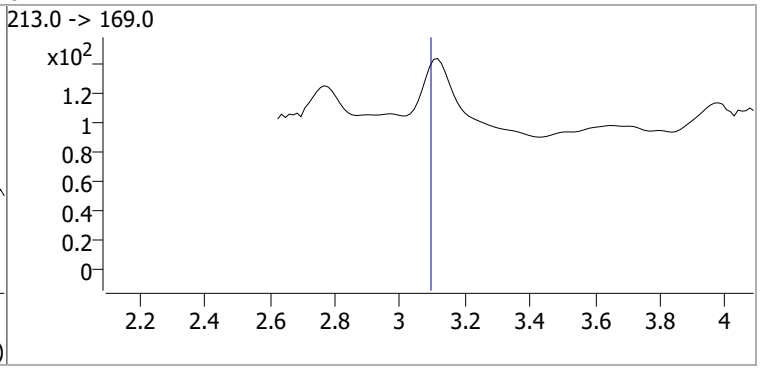
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.77%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	88672	5.0000	µg/L		-4.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.97%			
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L		-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71758	5.0000	µg/L		-3.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.88%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115592	1.2500	µg/L		0.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.89%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	81200	1.2500	µg/L		-17.983
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.86%			
13C2-PFDoDA	8.424	615.0 -> 570.0	95019	1.2500	µg/L		-5.218
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.45%			
13C2-PFTDA	9.197	715.0 -> 670.0	67380	1.2500	µg/L		-31.073
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 67.95%			
13C8-PFOSA	9.909	506.0 -> 78.0	52350	2.5000	µg/L		-4.286
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.33%			
2H7-MeFOSE	11.052	623.1 -> 59.0	226102	25.0000	µg/L		-17.694
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.59%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16515	2.5000	µg/L		-10.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.73%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227855	25.0000	µg/L		-17.076
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.18%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17637	2.5000	µg/L		-12.675
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
Target Compounds							**QValue**
PFBA	3.115	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.806	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	3.946	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.608	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	5.078	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.402	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.492	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.507	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.753	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.144	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.142	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.312	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.345	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	1231	0.0240	µg/L		95
PFHxS	6.798	398.9 -> 80.0	142	0.0067	µg/L	#	67
PFNA	7.138	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.355	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.456	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.463	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.576	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.716	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.758	498.9 -> 80.0	247	0.0000	µg/L		96
N-EtFOSAA	7.927	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	8.146	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.618	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.829	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.903	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.198	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.332	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.912	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.089	616.0 -> 59.0	395	0.0000	µg/L		100
N-MeFOSA	11.238	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.469	630.0 -> 59.0	445	0.0000	µg/L		100
N-EtFOSA	11.605	526.0 -> 219.0	0	0.0000	µg/L	md	

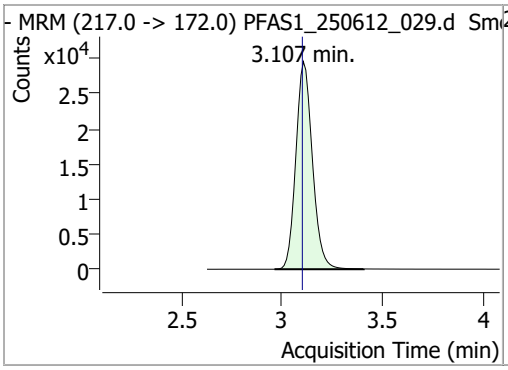
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

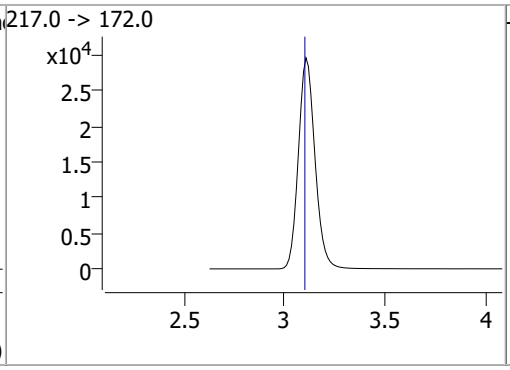
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

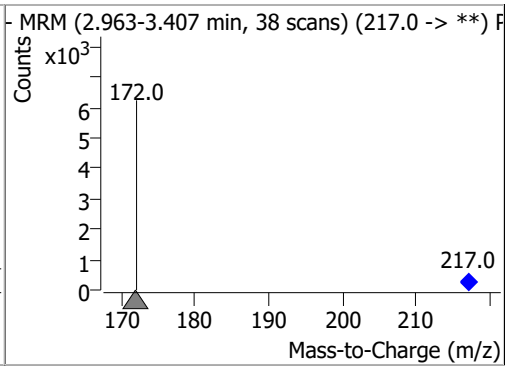




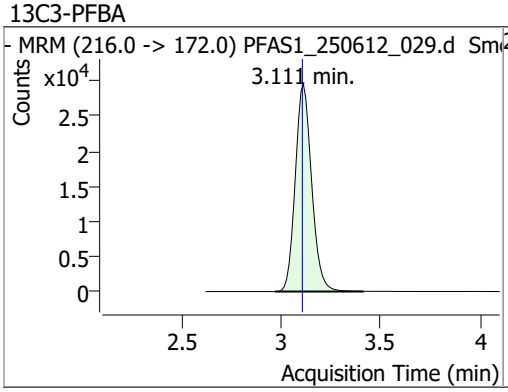
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.3421	3.11	0.01	169013				

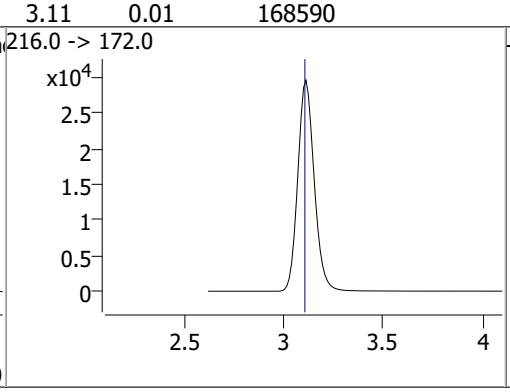


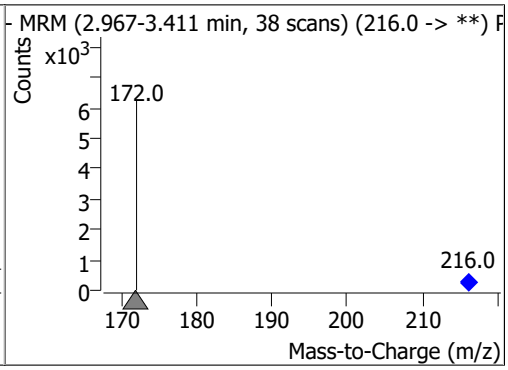




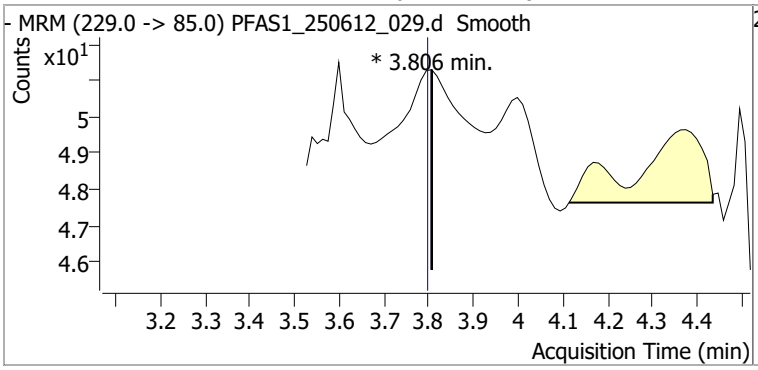
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	168590				

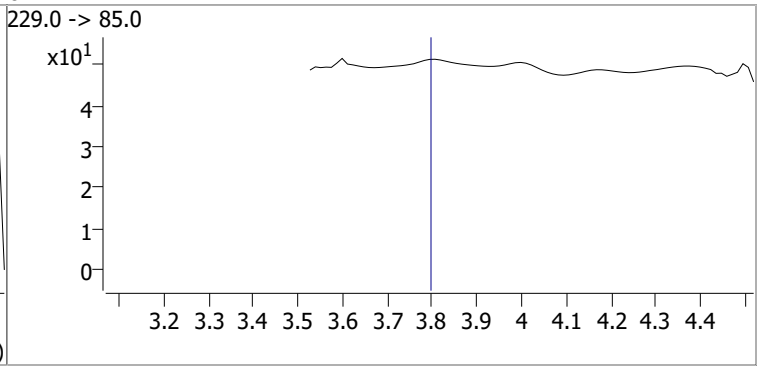




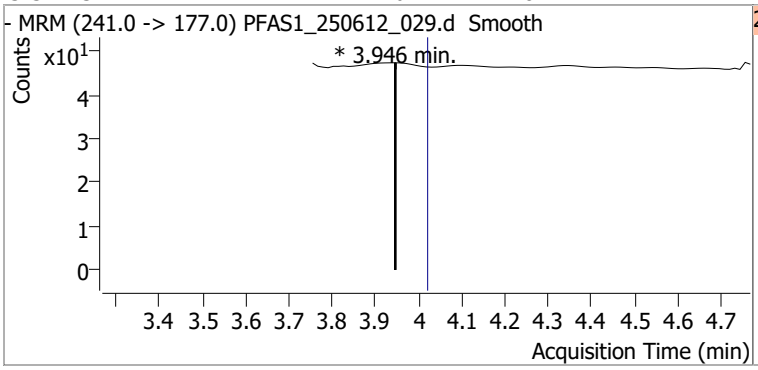


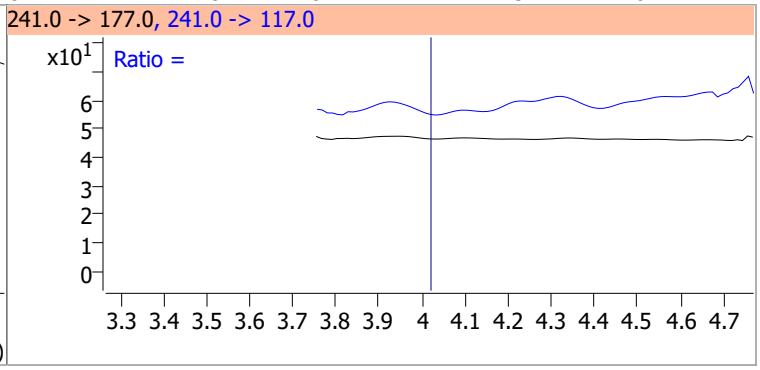
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



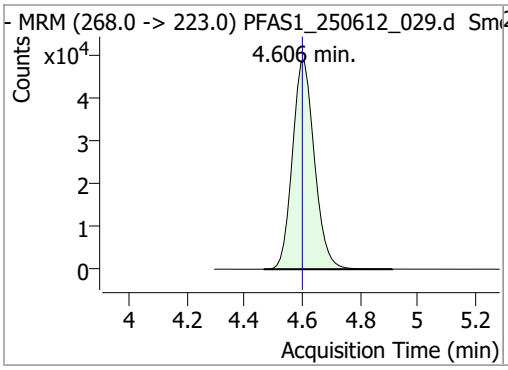


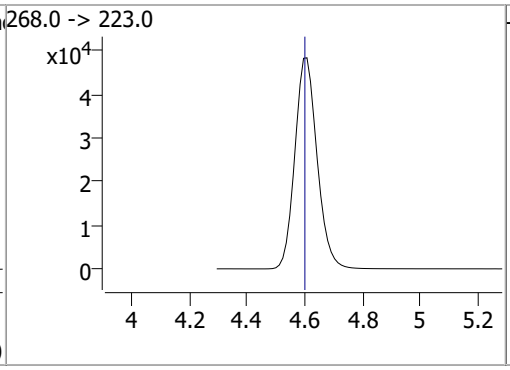
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

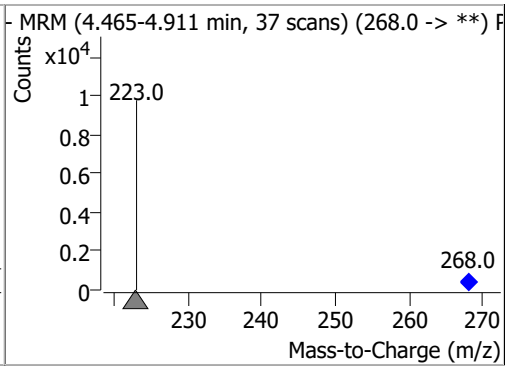




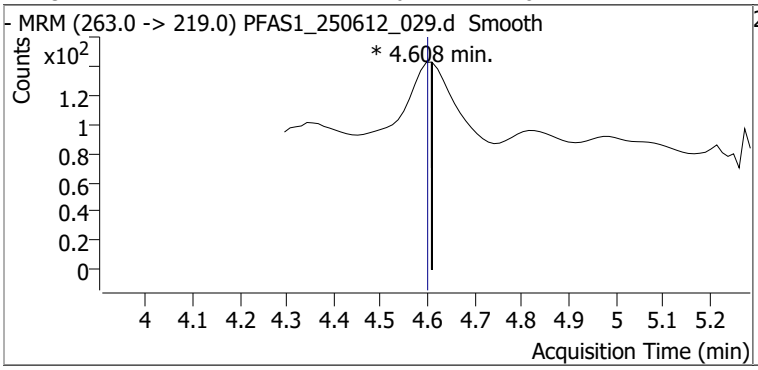
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6560	4.61	0.01	258462				

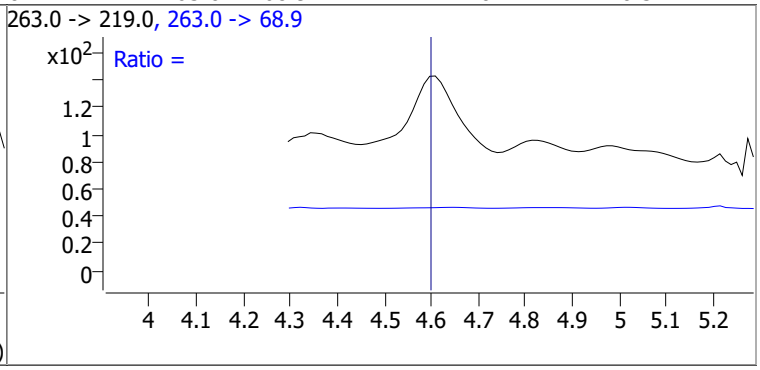




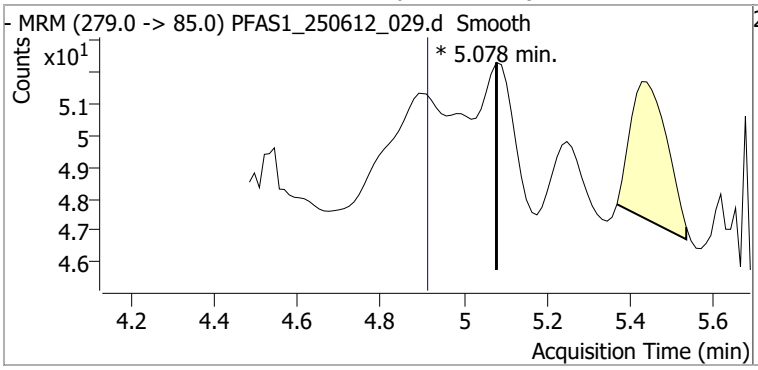


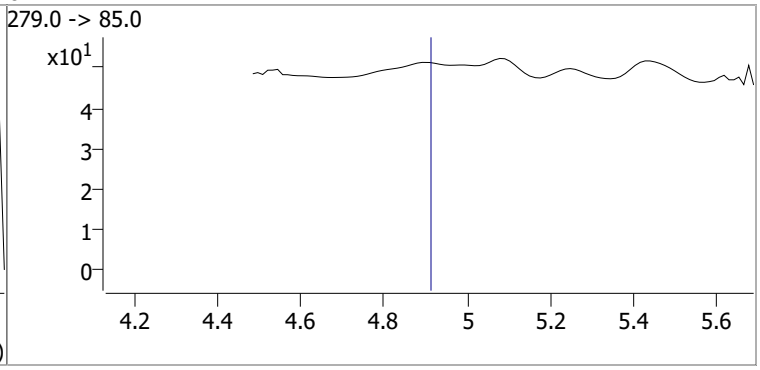
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



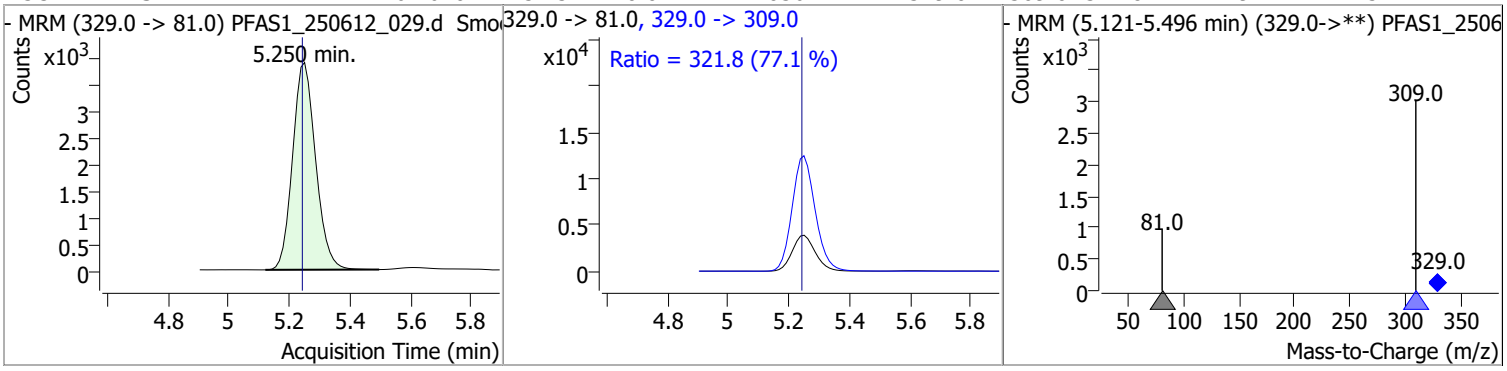


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

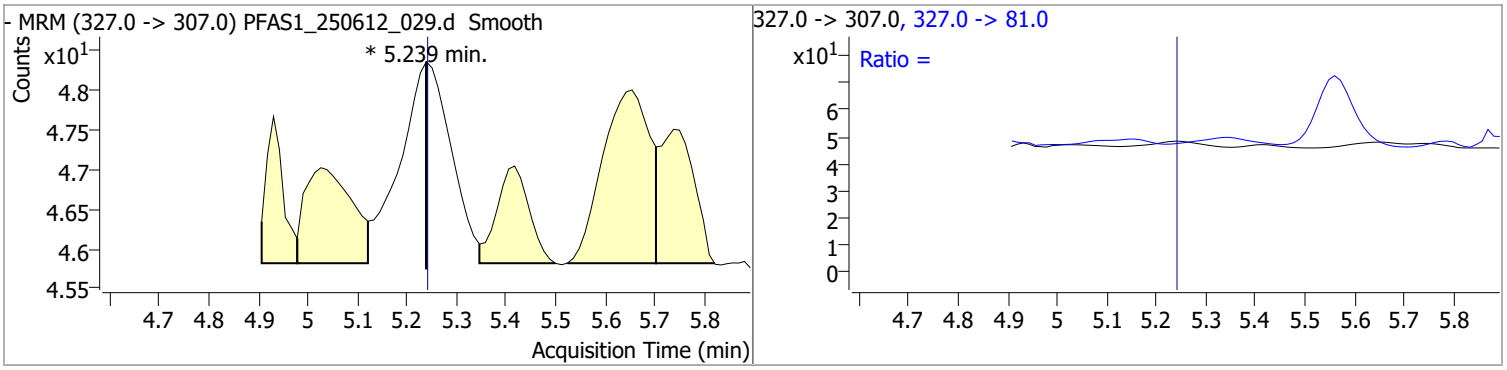




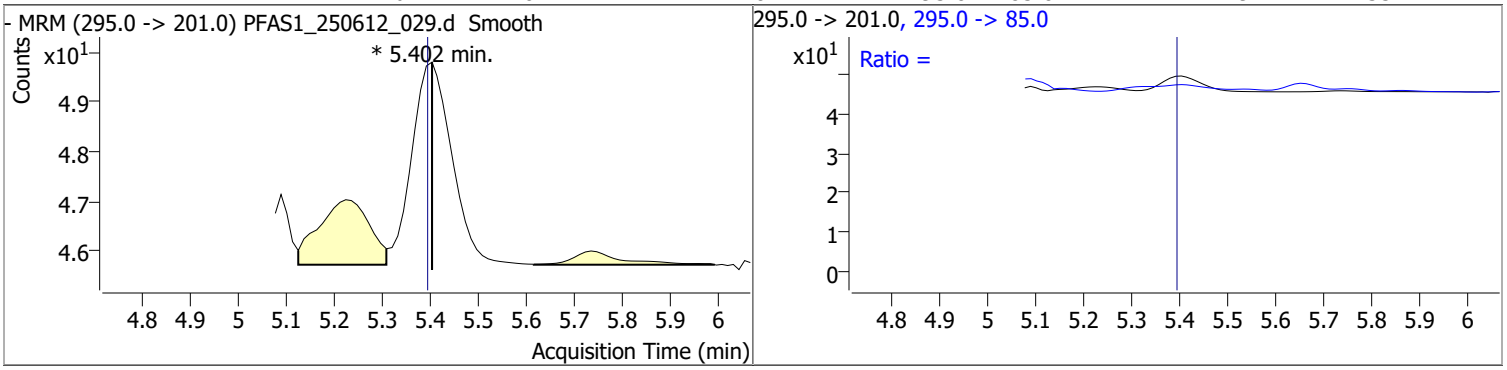
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2620	5.25	0.01	20362	329.0 -> 309.0	321.8	292.1	542.4



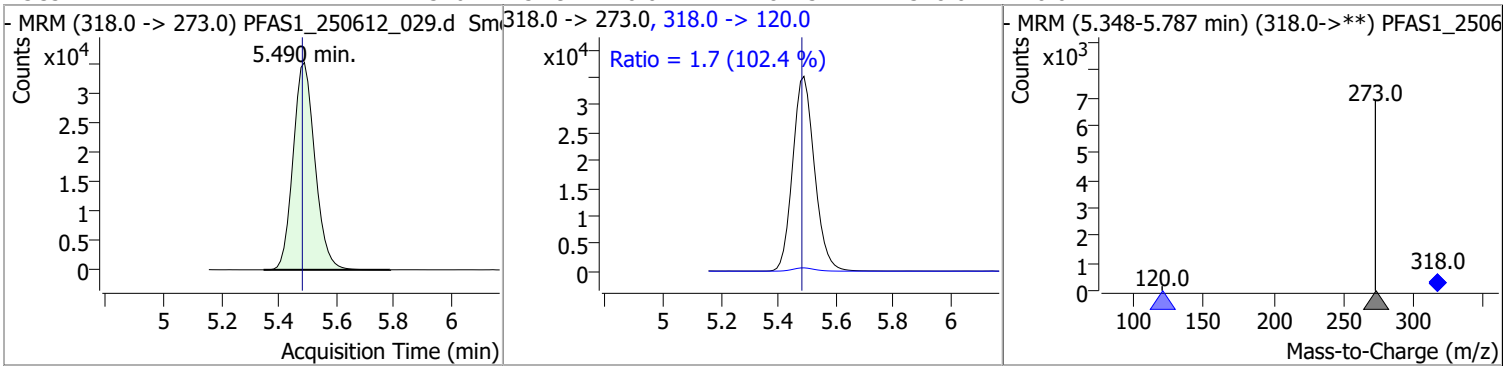
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



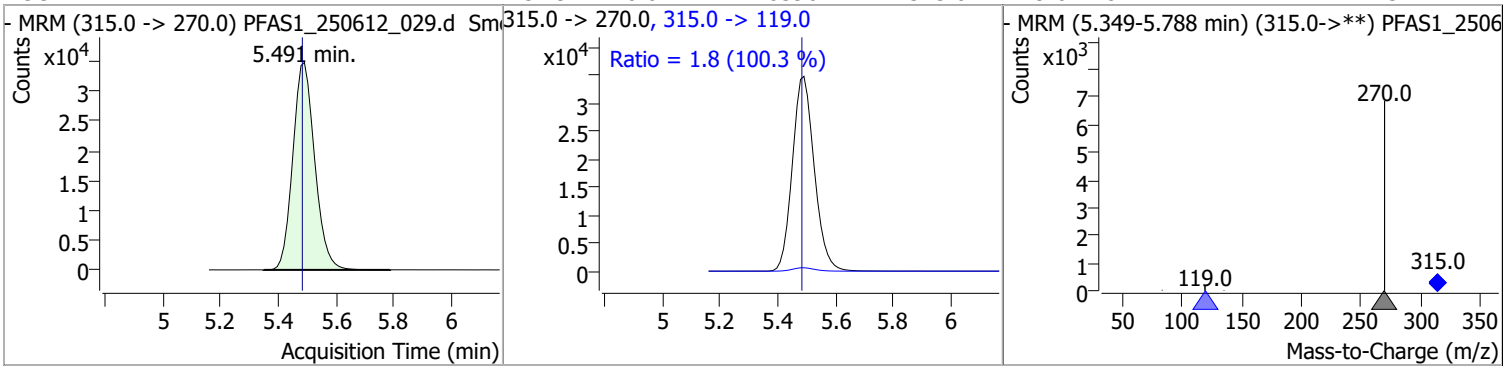
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



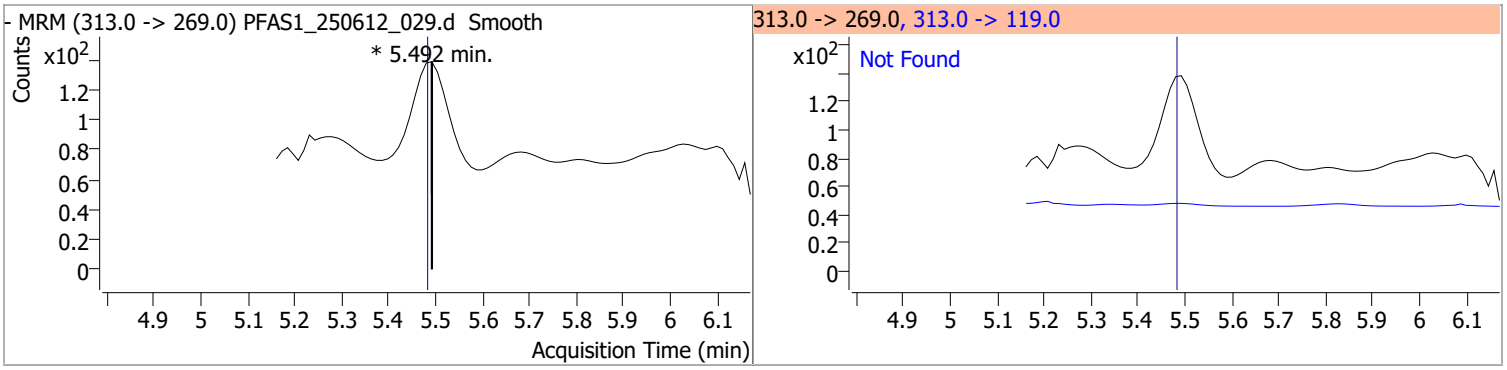
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4346	5.49	0.01	184457	318.0 -> 120.0	1.7	1.1	2.1



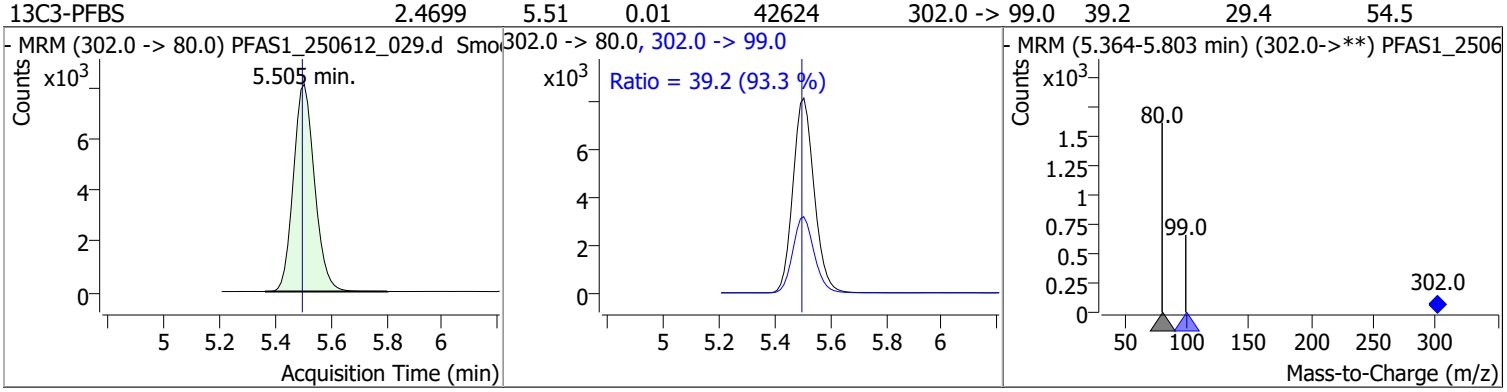
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	183901	315.0 -> 119.0	1.8	1.2	2.3



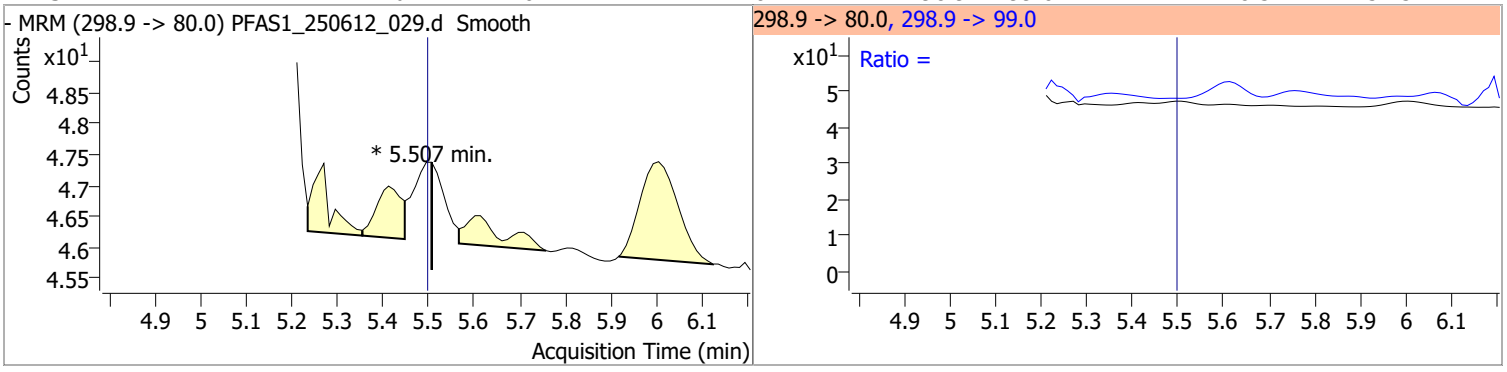
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



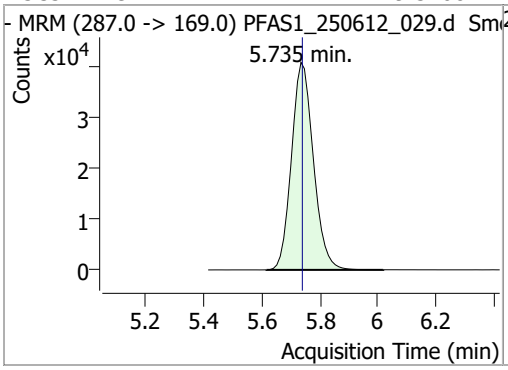
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4699	5.51	0.01	42624	302.0 -> 99.0	39.2	29.4	54.5

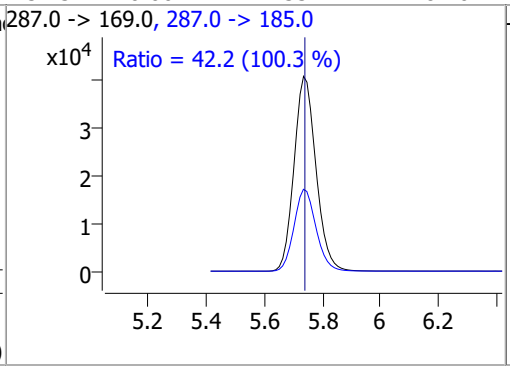


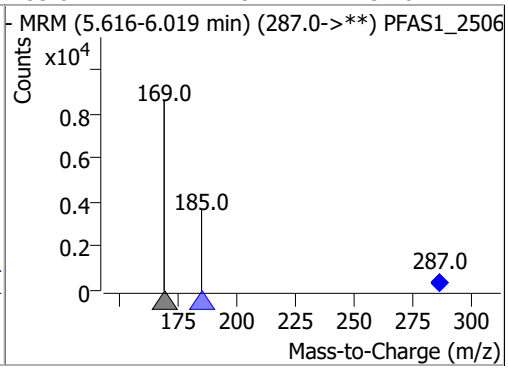
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



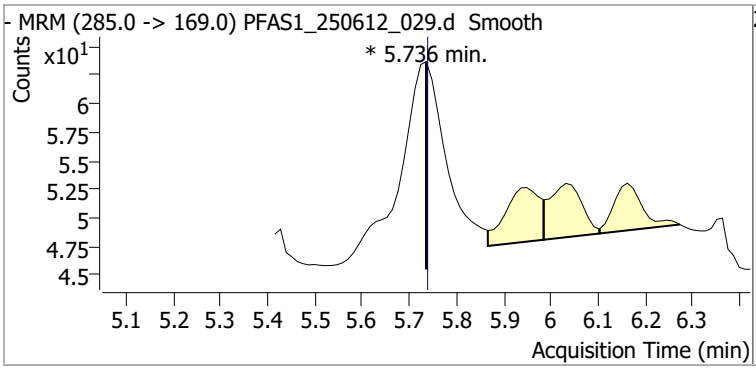
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.3408	5.73	0.00	213377	287.0 -> 185.0	42.2	29.4	54.6

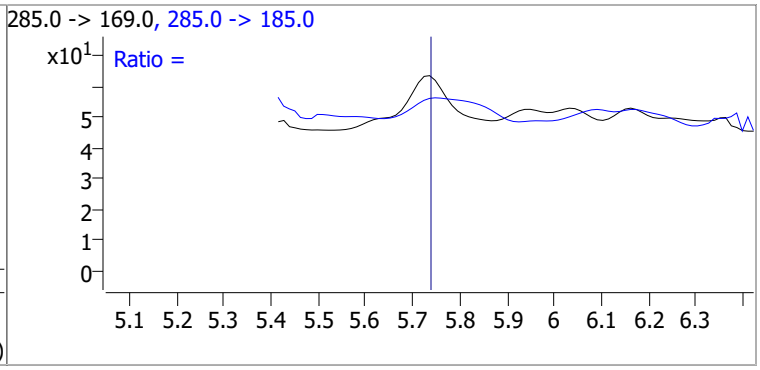




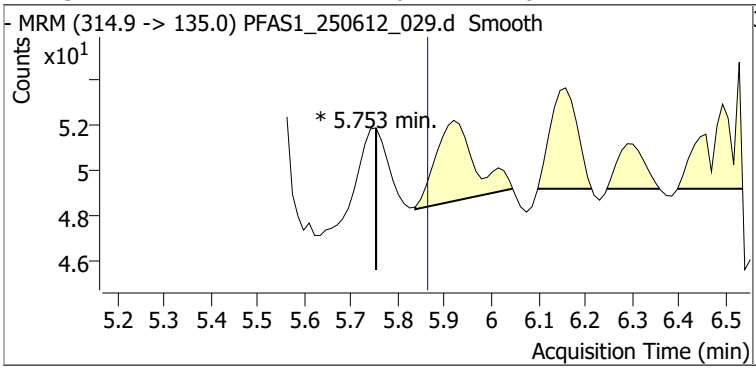


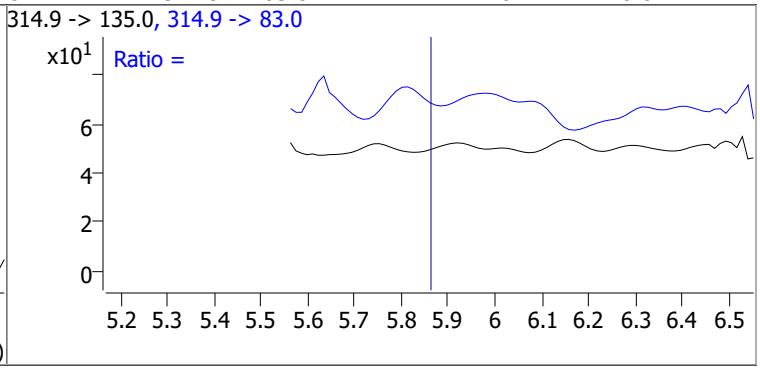
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



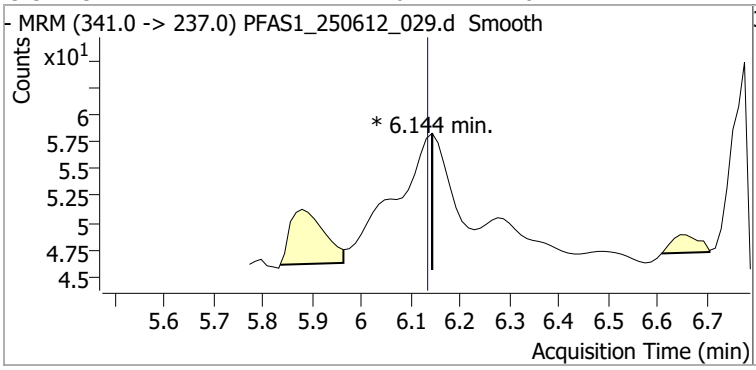


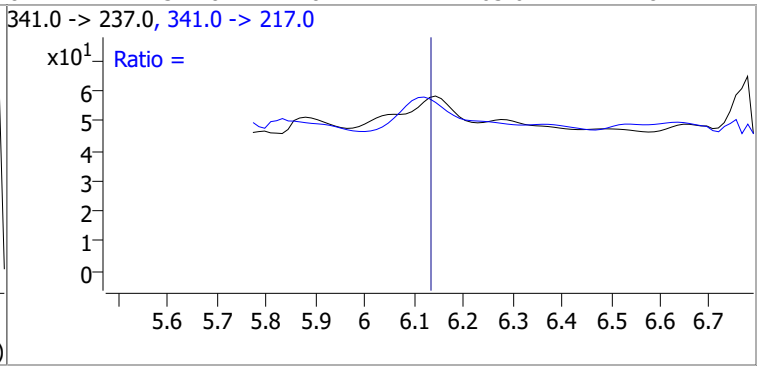
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



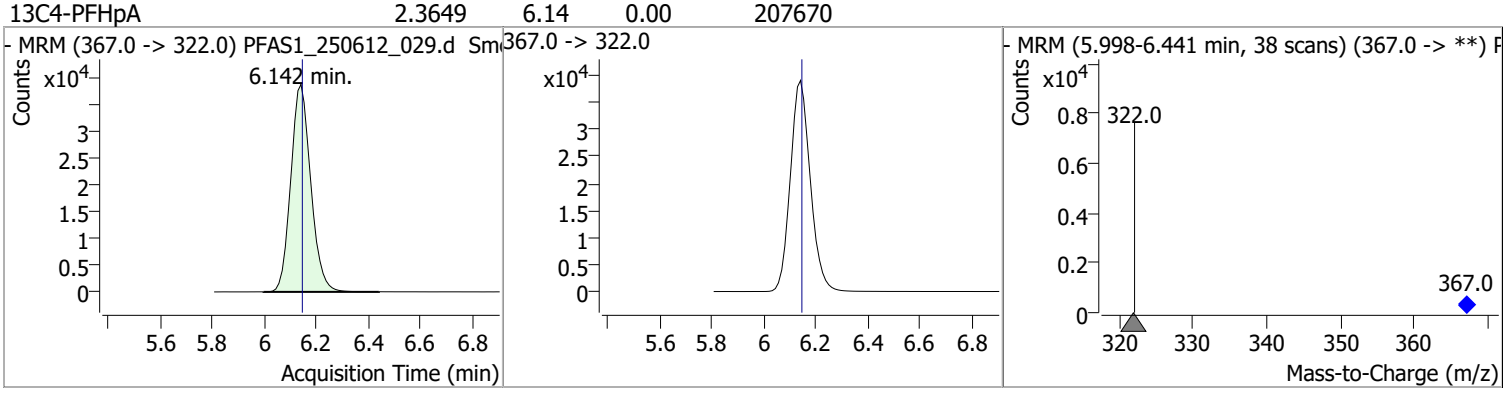


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

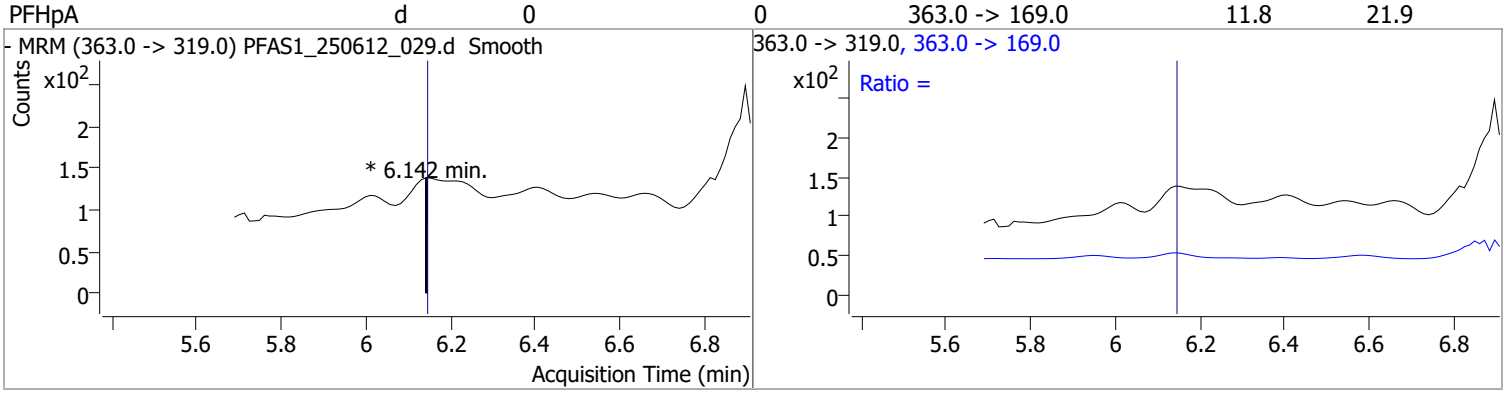




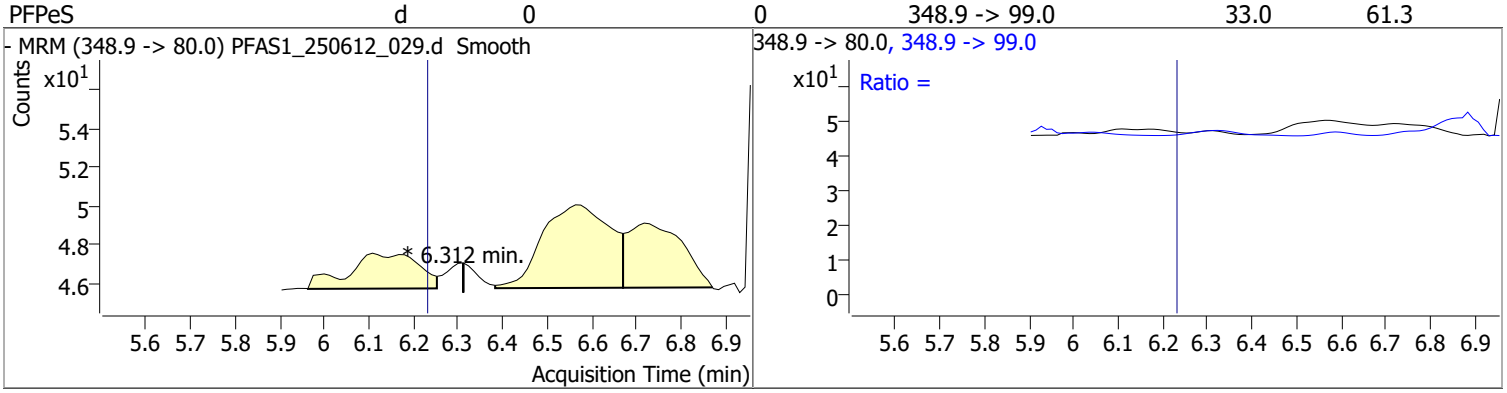
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3649	6.14	0.00	207670				



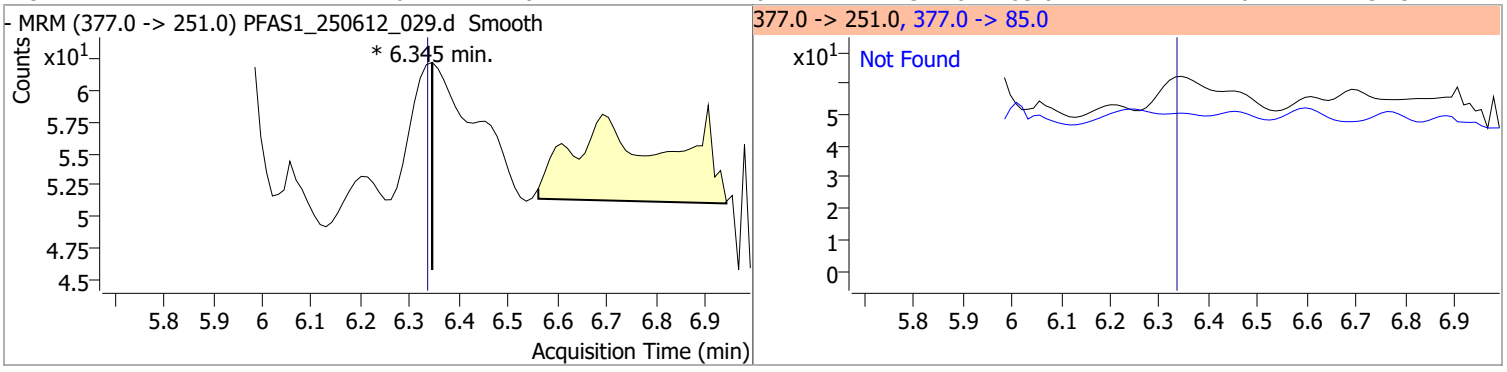
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



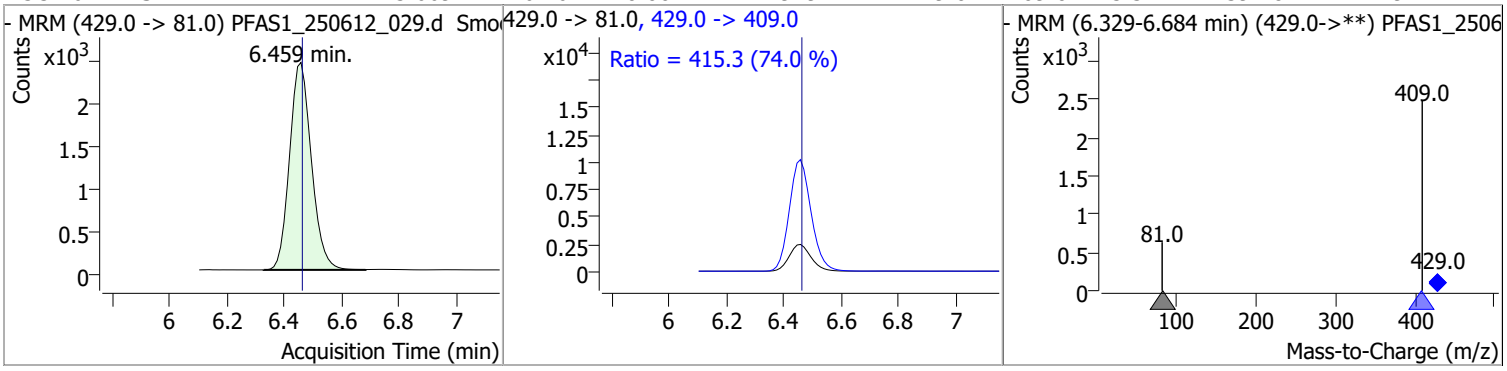
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



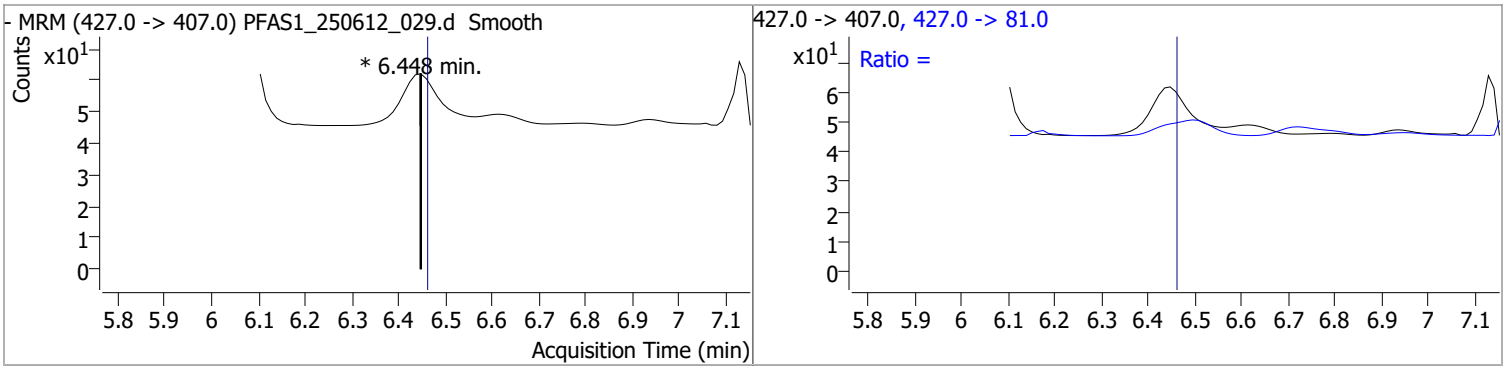
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



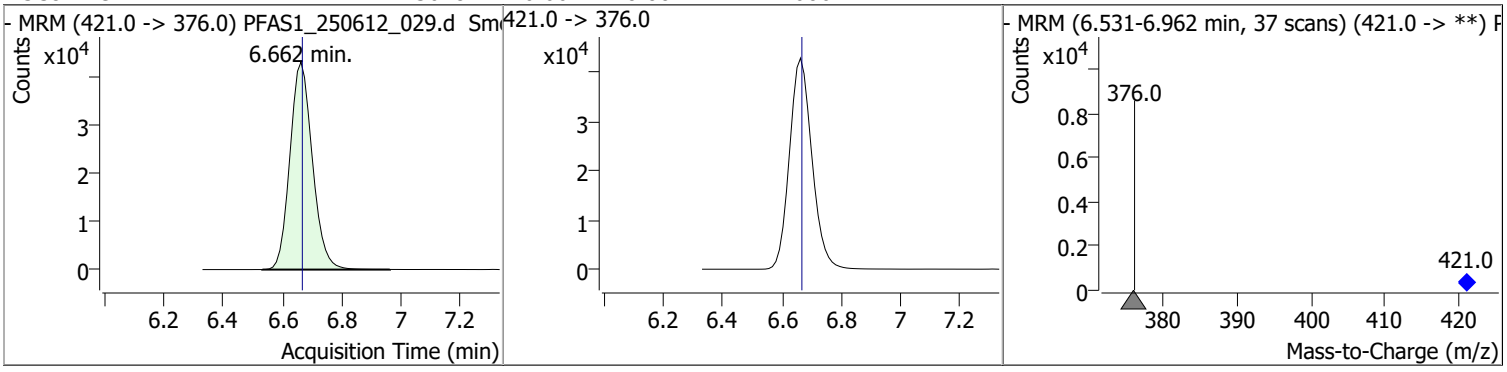
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6697	6.46	0.00	12919	429.0 -> 409.0	415.3	392.8	729.4



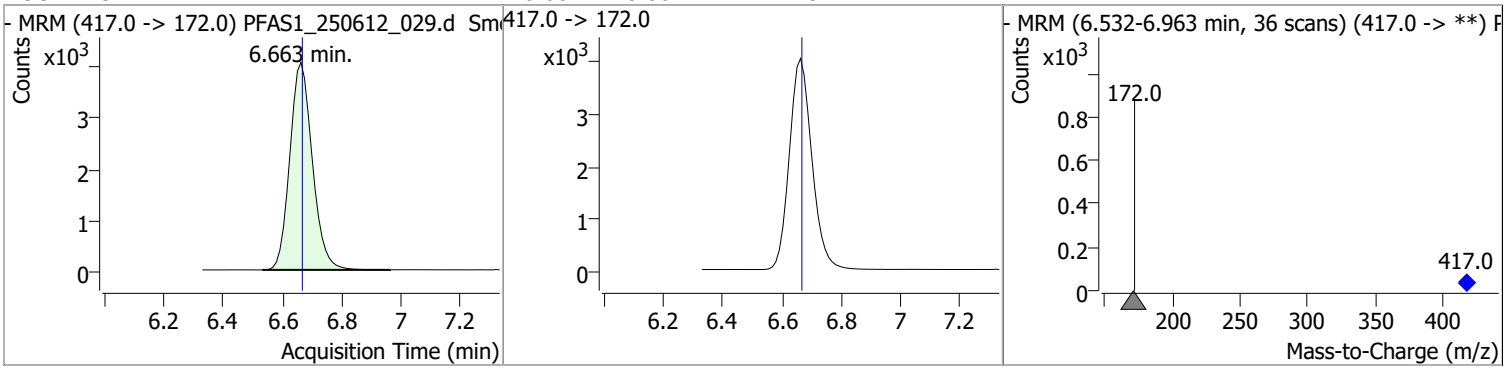
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



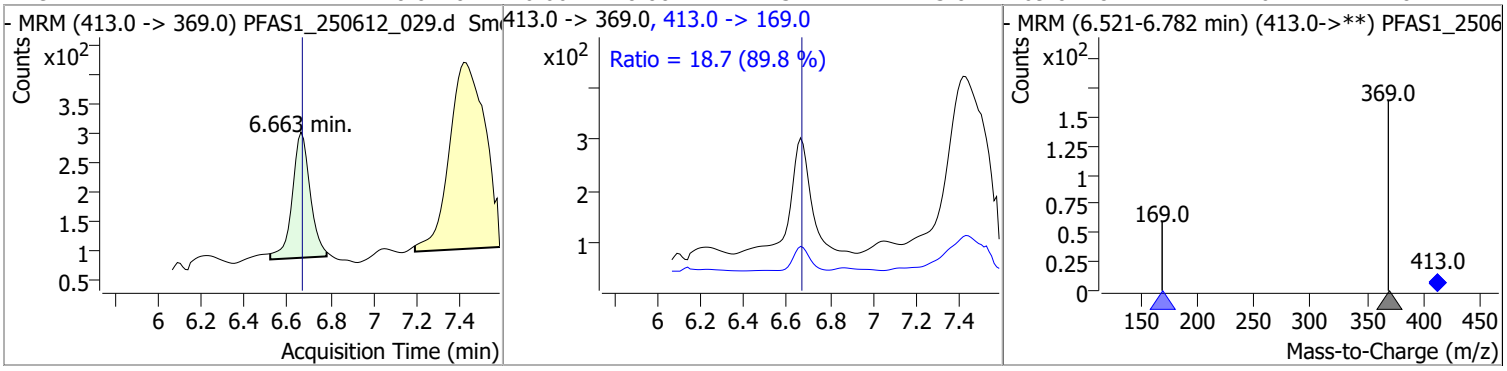
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3628	6.66	0.00	224606				



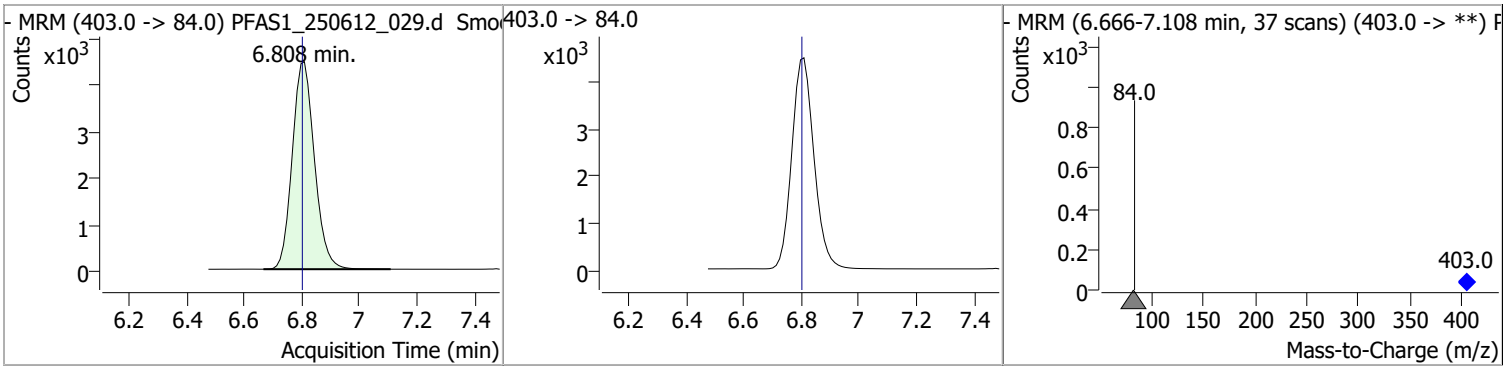
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21228				



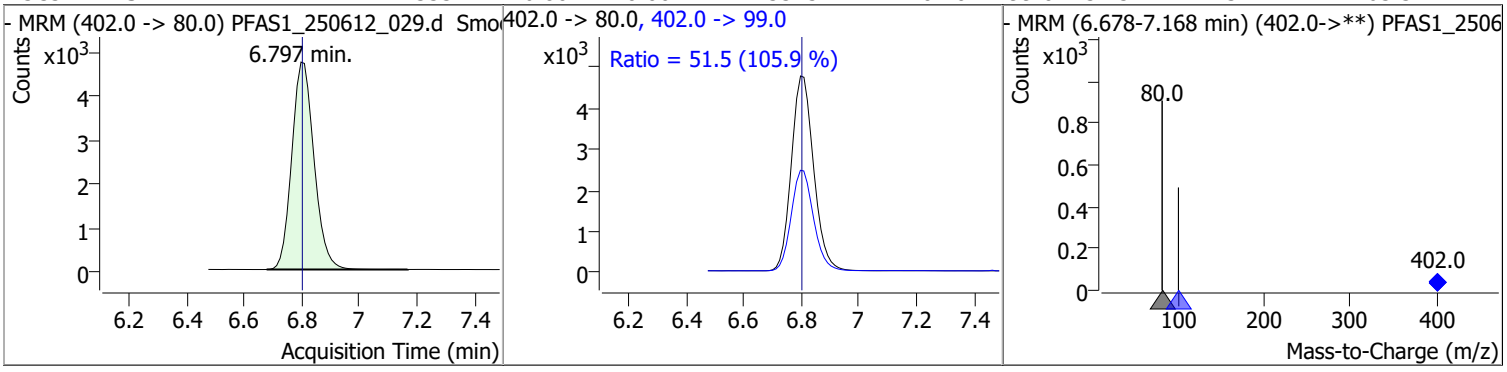
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0240	6.66	0.00	1231	413.0 -> 169.0	18.7	14.6	27.0



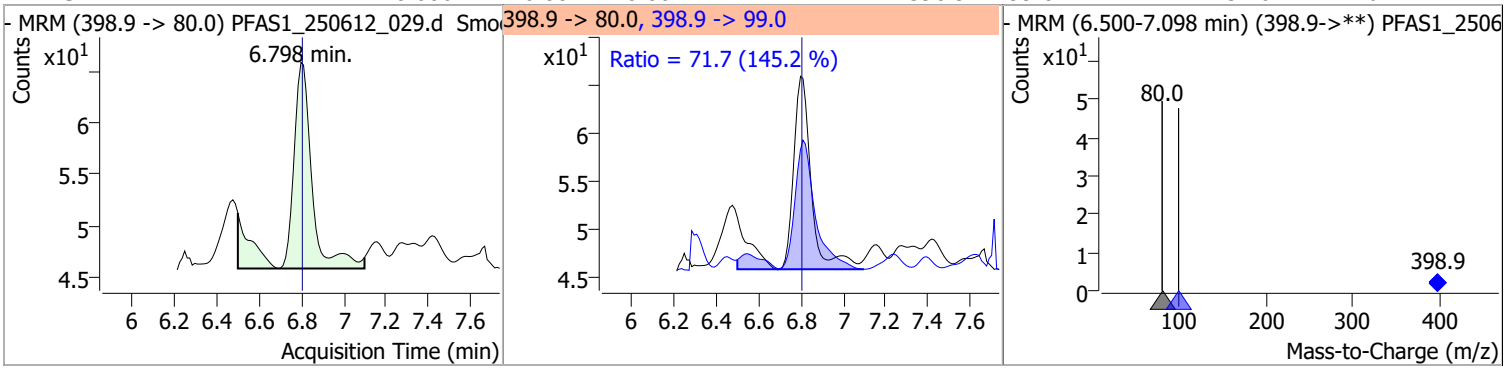
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	23834				



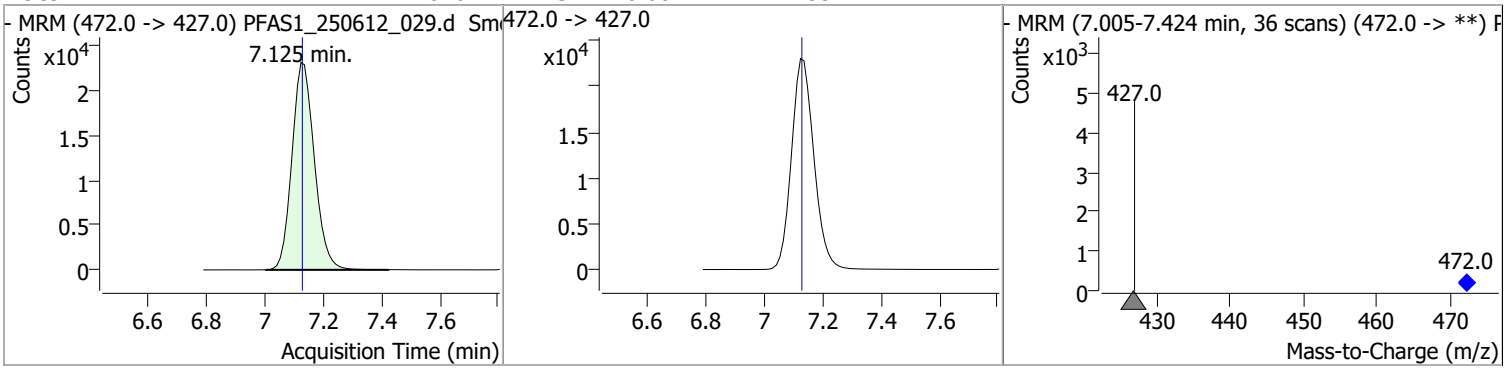
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3331	6.80	0.00	25525	402.0 -> 99.0	51.5	34.1	63.3



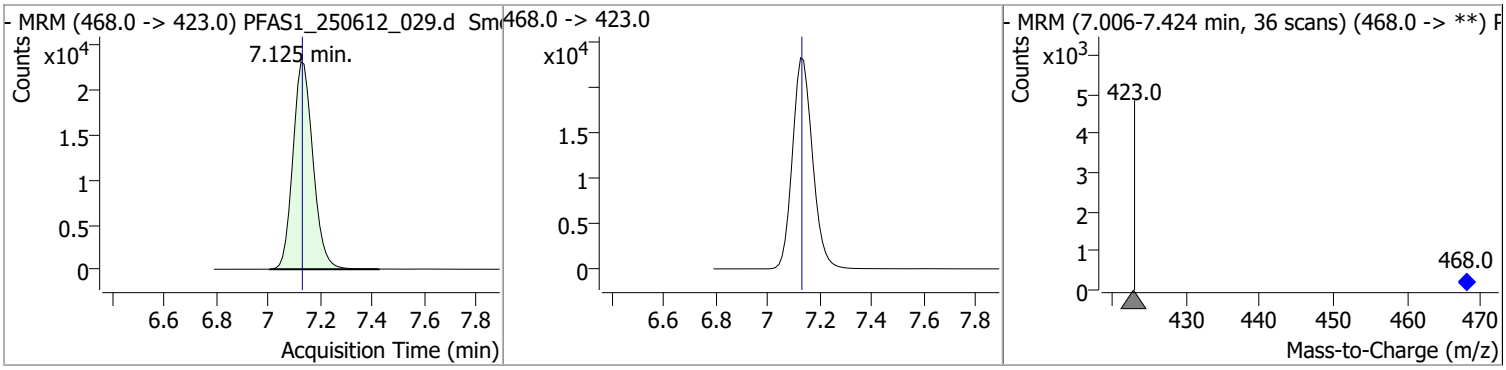
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	142	398.9 -> 99.0	71.7	34.6	64.2



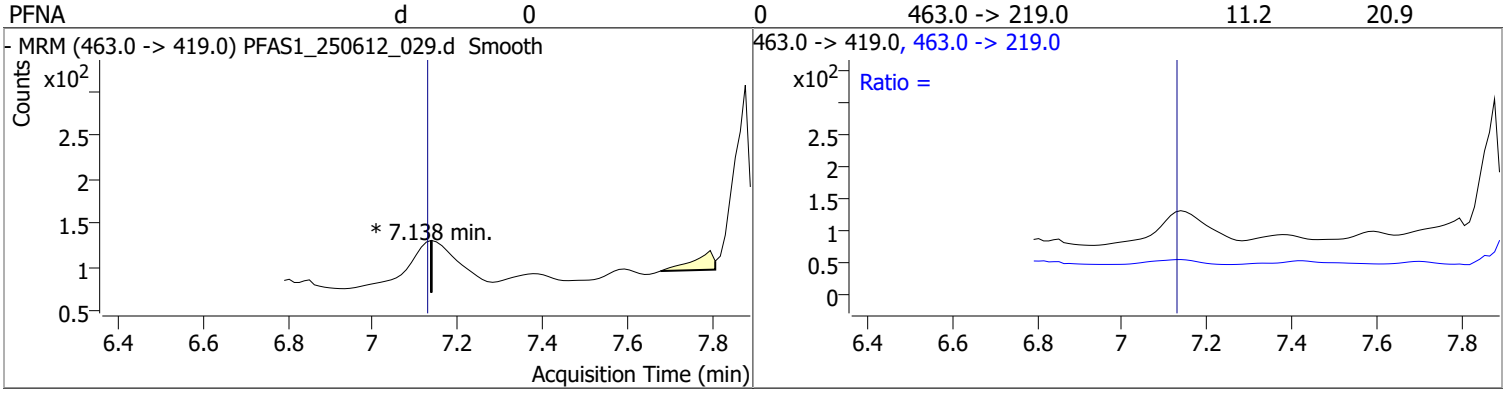
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2026	7.13	0.00	122455				



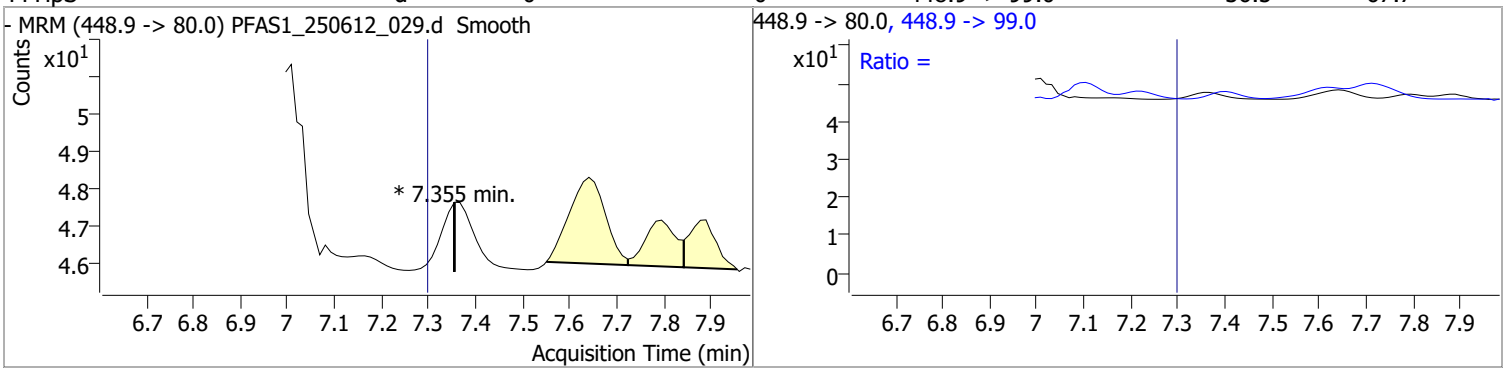
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	124184				



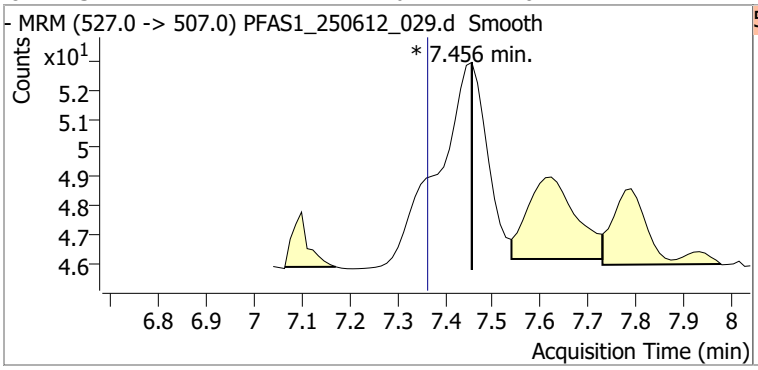
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

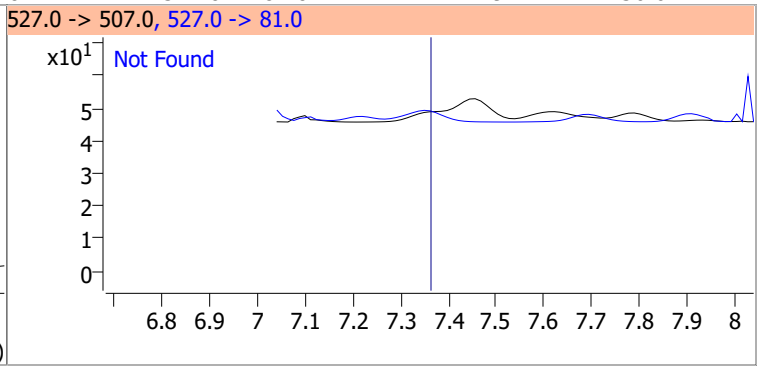


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

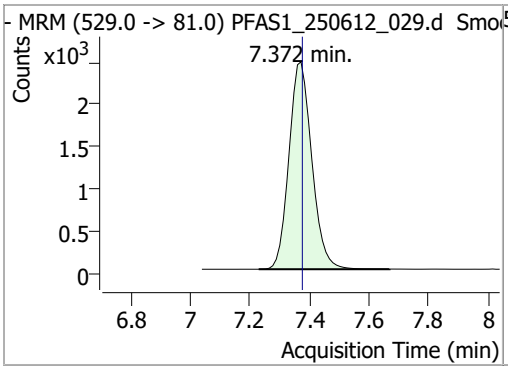


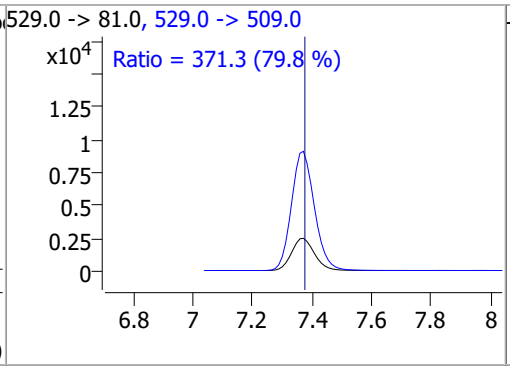
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

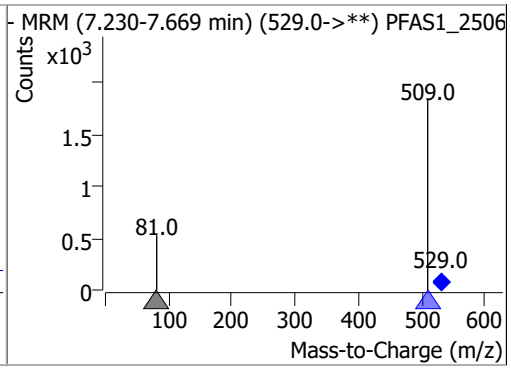




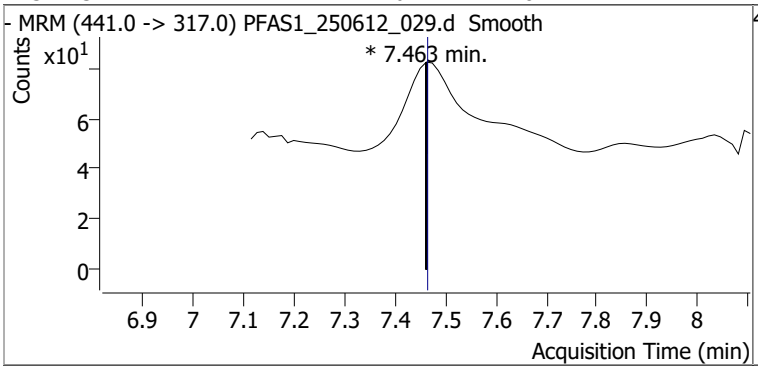
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2409	7.37	0.00	13076	529.0 -> 509.0	371.3	325.6	604.6

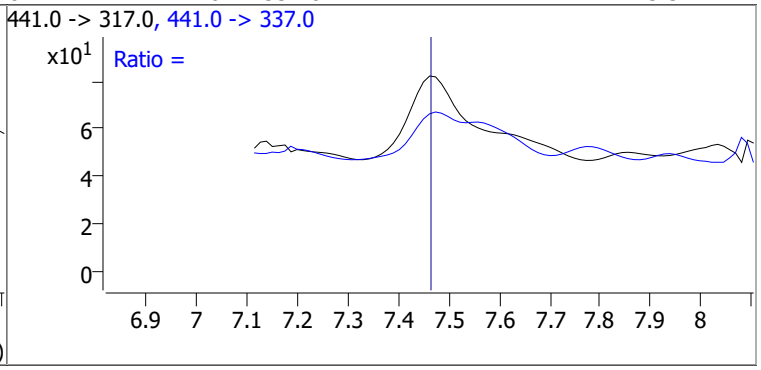




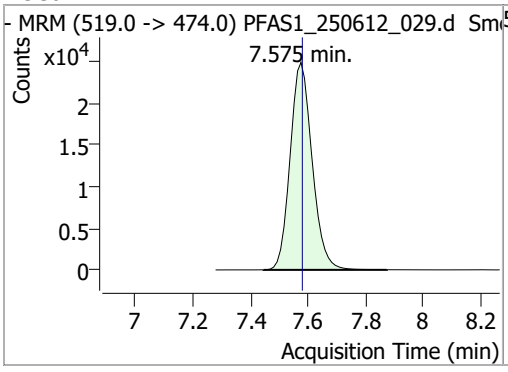


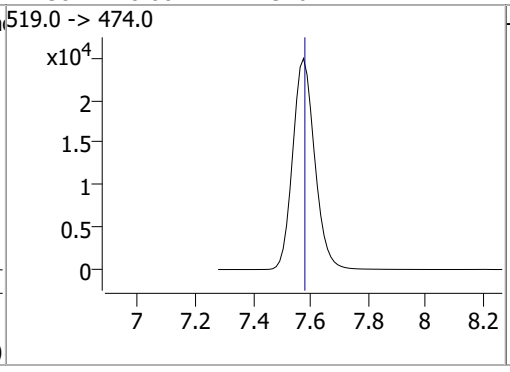
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

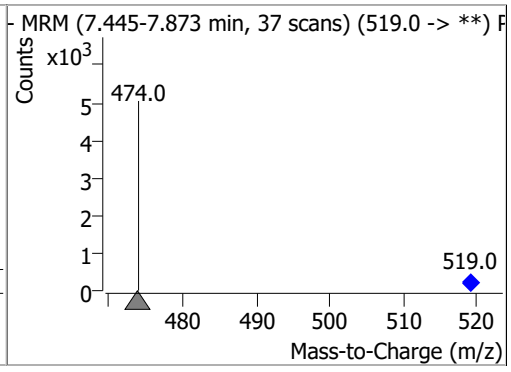




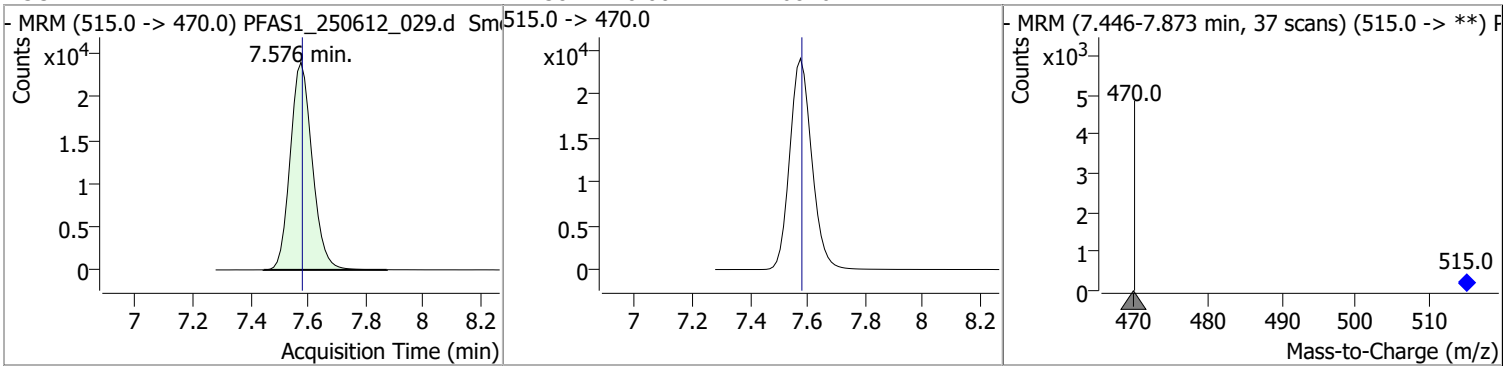
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2221	7.58	0.00	131621				



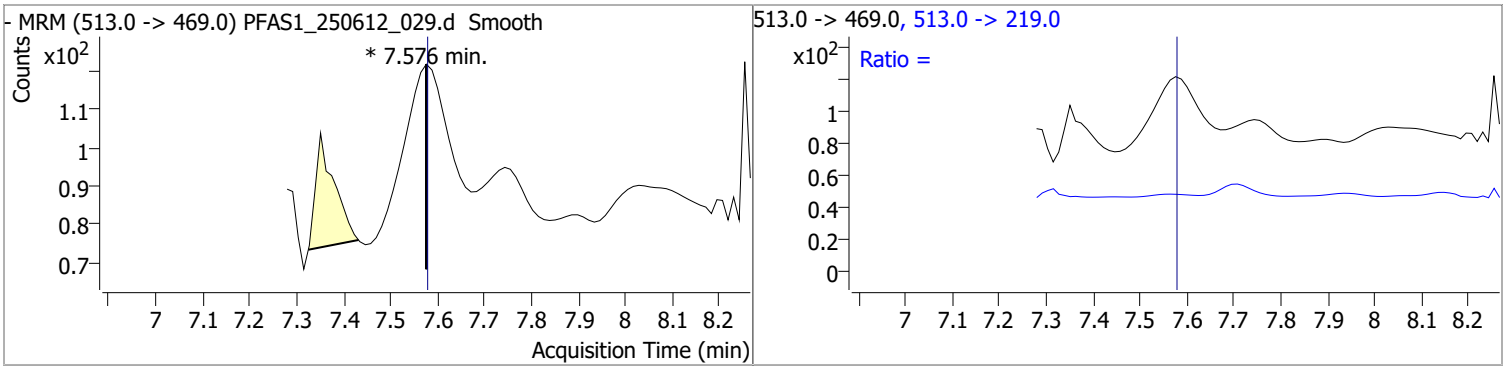




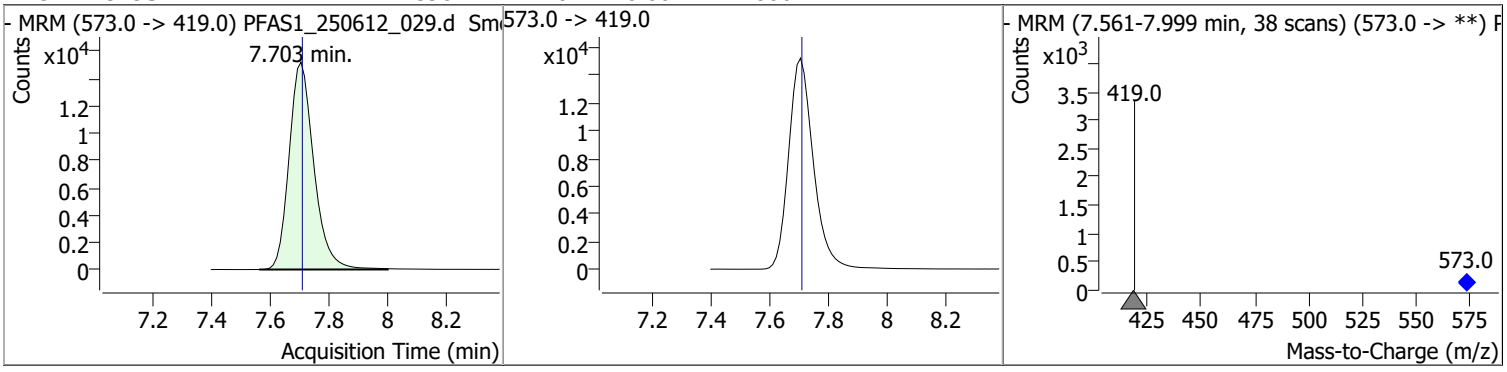
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	126826				



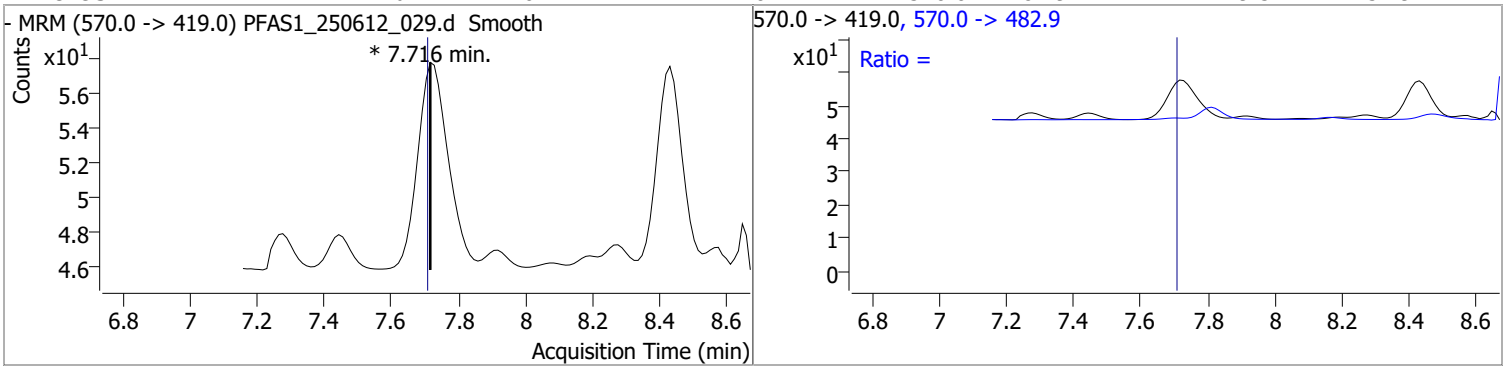
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



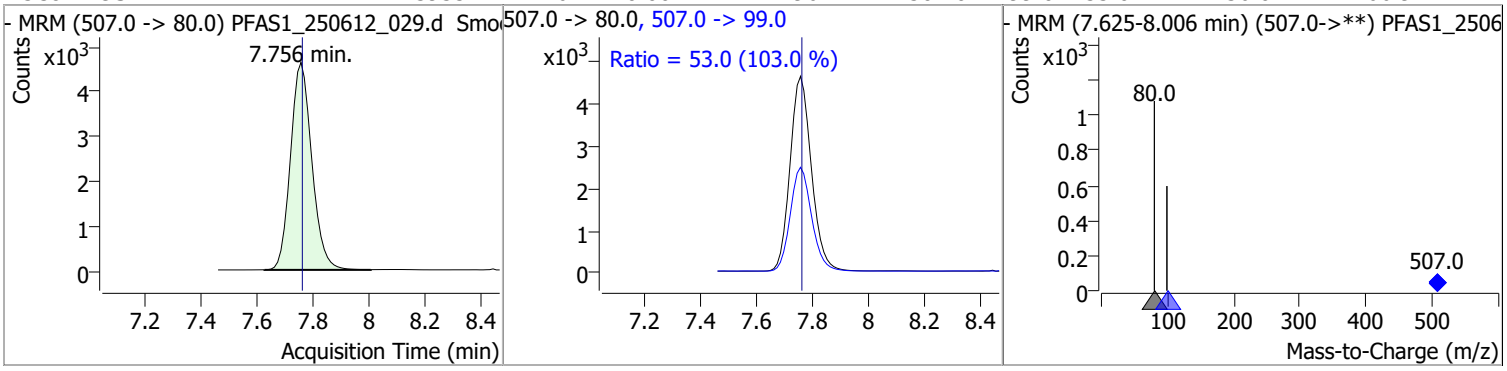
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5984	7.70	0.00	88672				



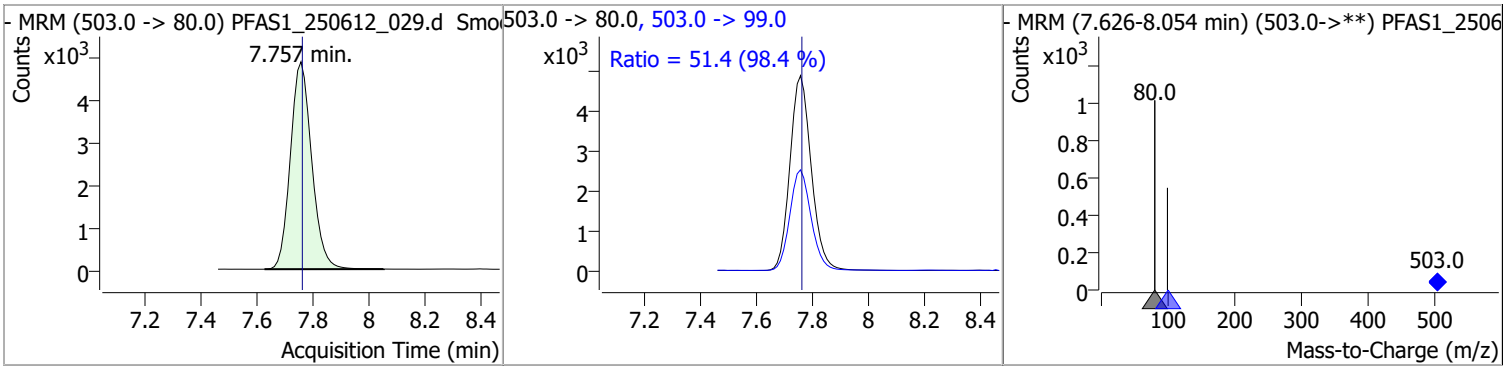
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



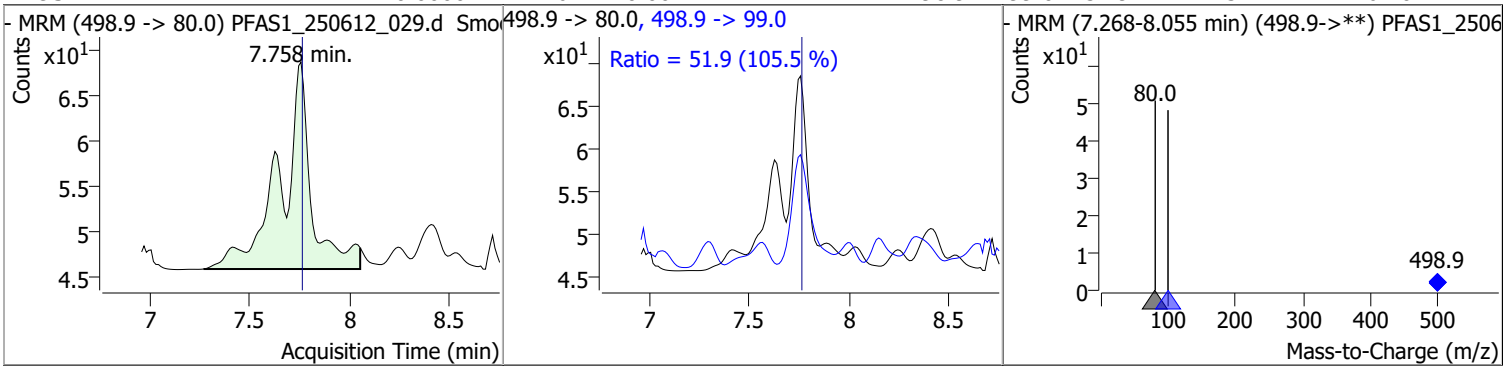
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3935	7.76	0.00	24496	507.0 -> 99.0	53.0	36.0	66.9



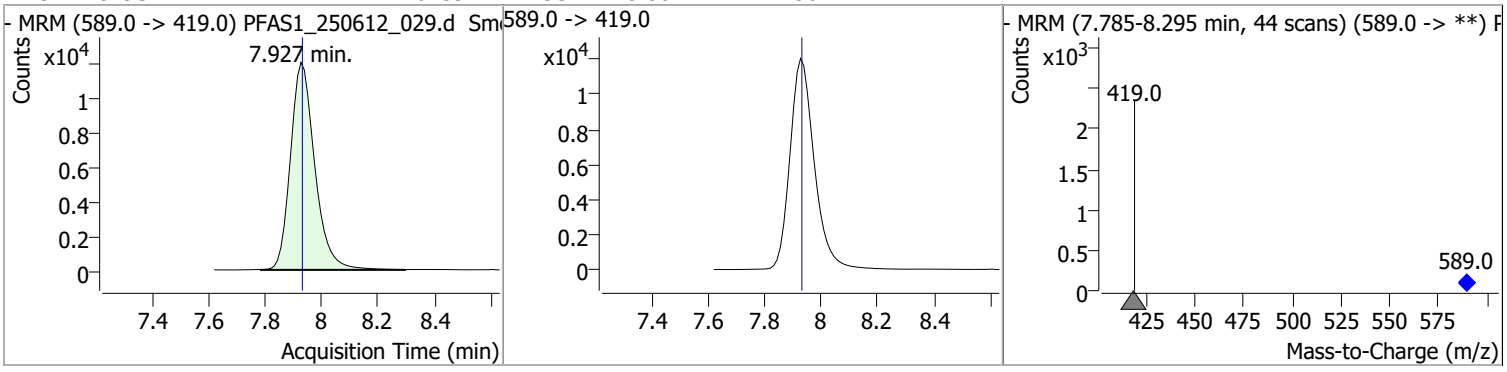
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25825	503.0 -> 99.0	51.4	36.6	67.9



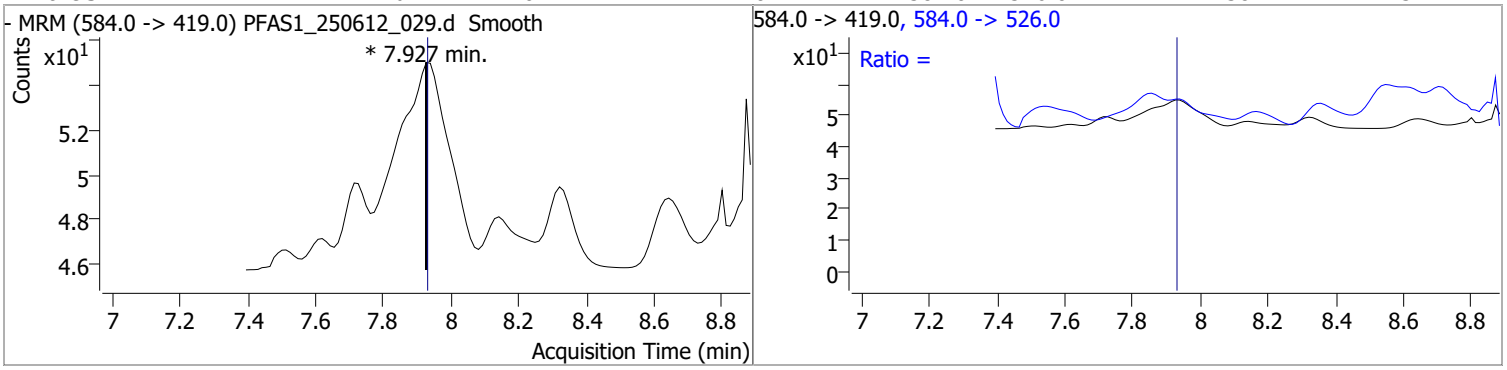
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.76	0.00	247	498.9 -> 99.0	51.9	34.4	64.0



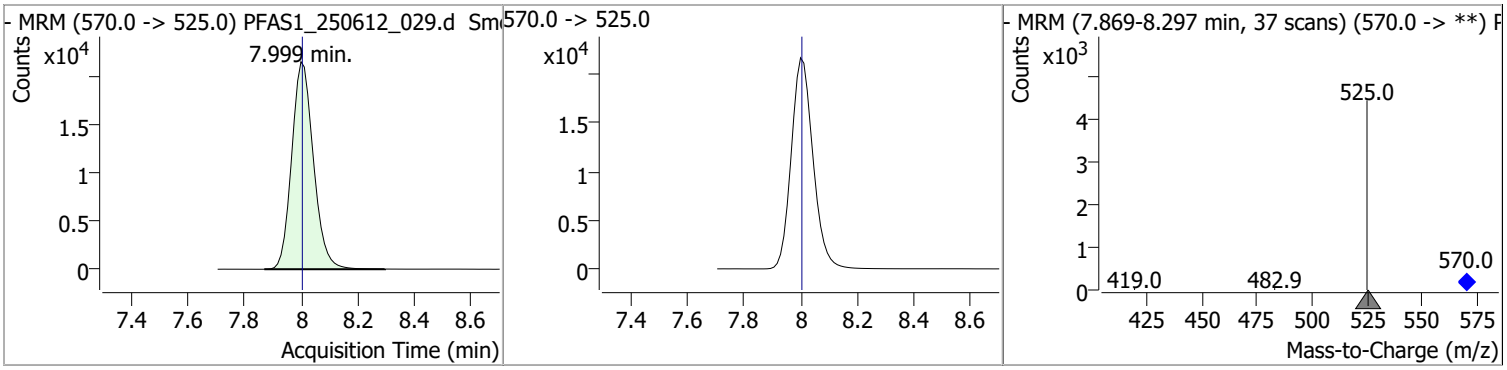
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6439	7.93	0.00	71758				



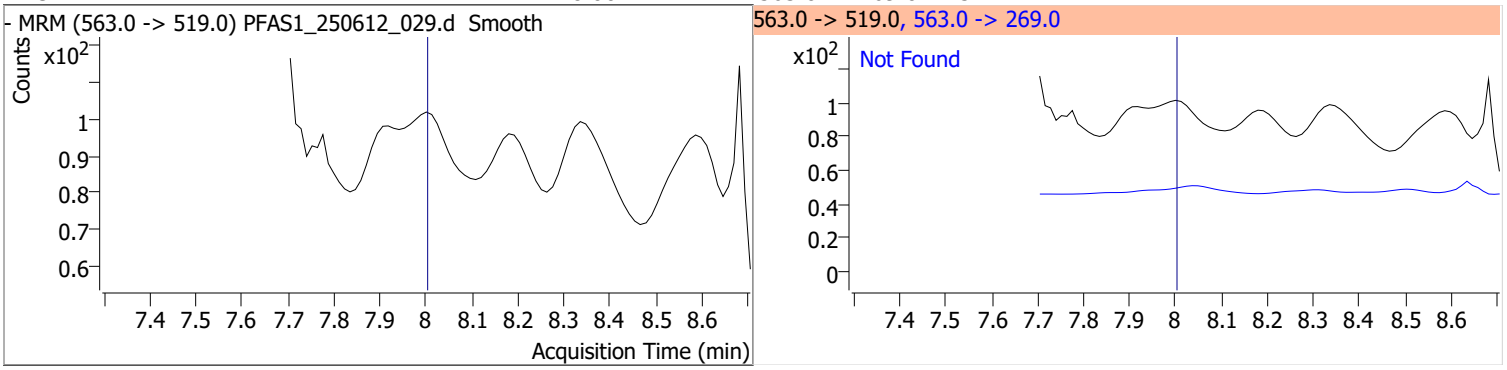
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3



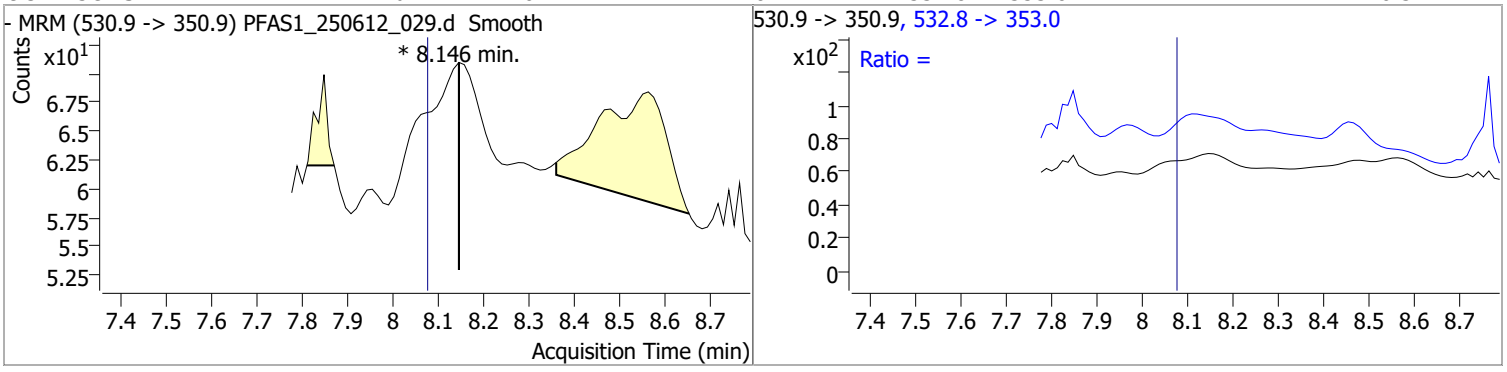
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2361	8.00	0.00	115592				



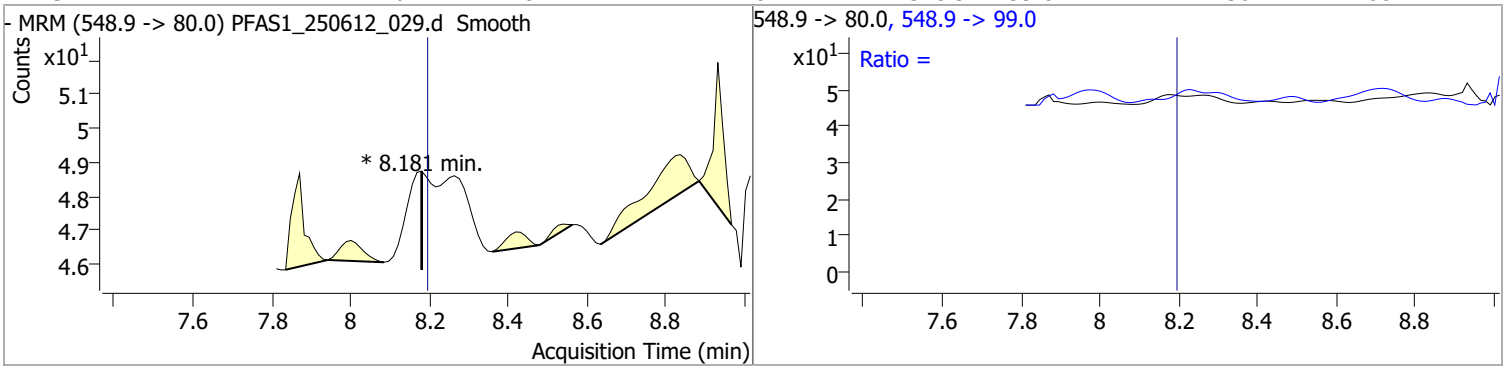
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	8.00	563.0 -> 269.0	15.7



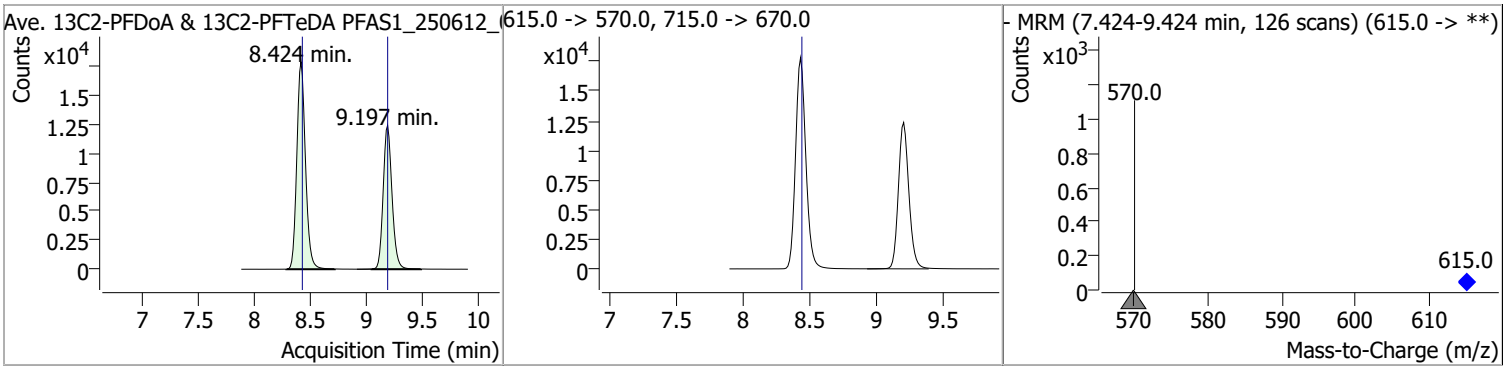
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3



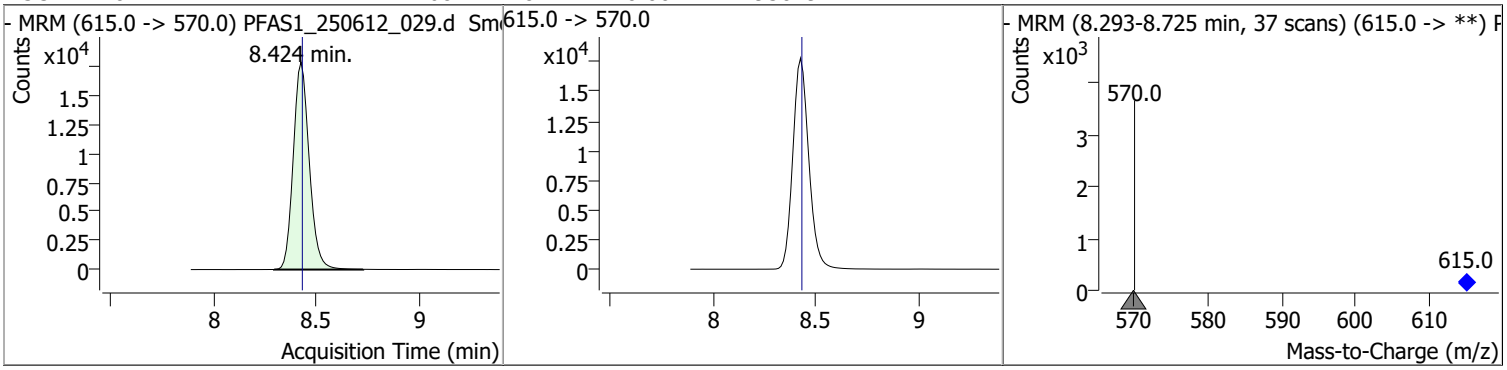
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



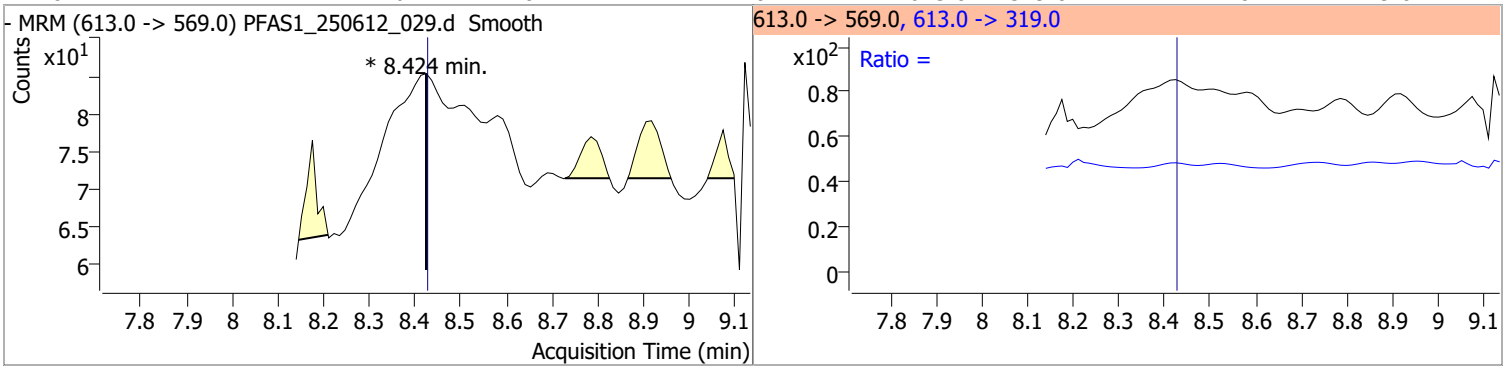
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0107	8.81	0.39	81200				



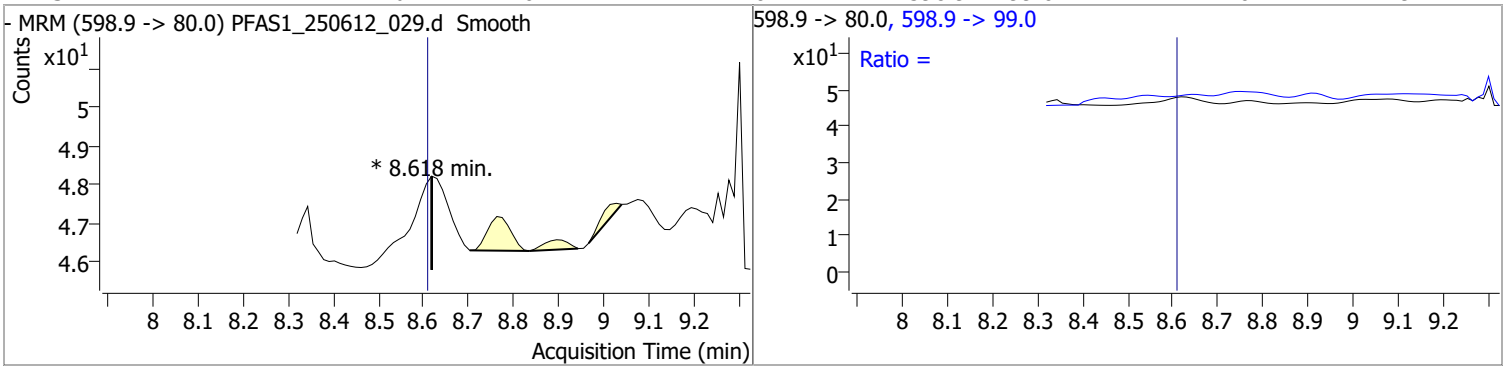
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1681	8.42	0.00	95019				



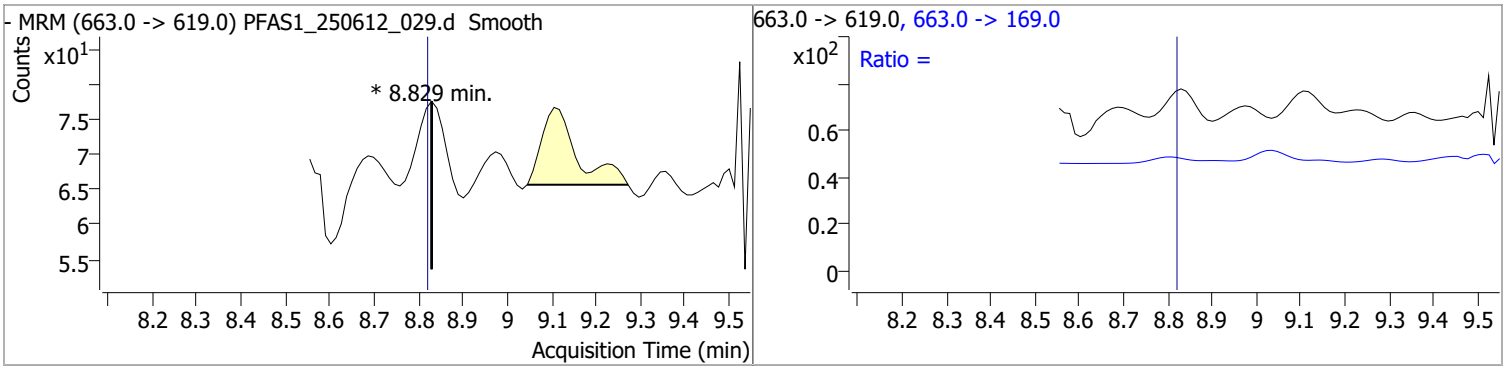
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



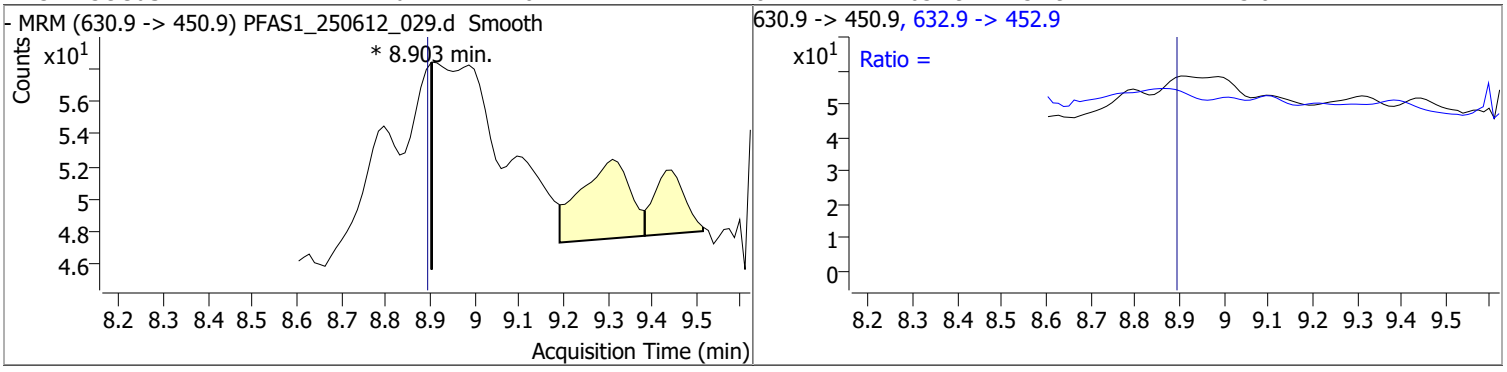
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



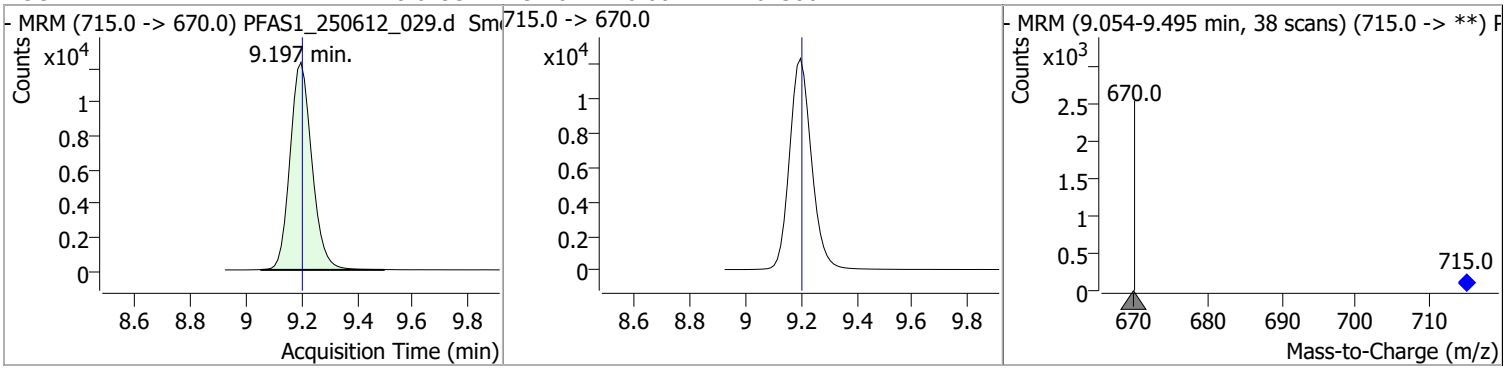
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



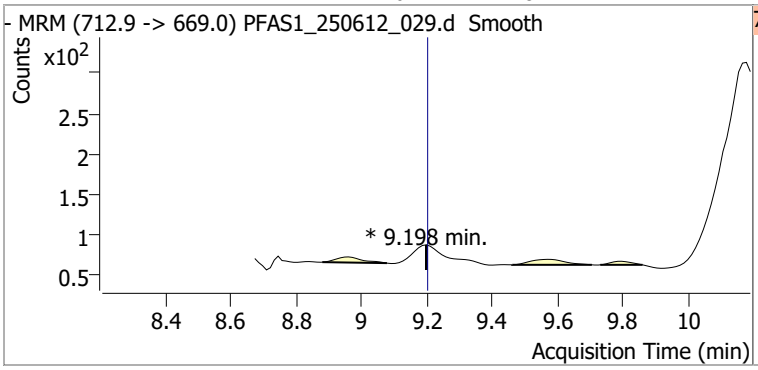
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

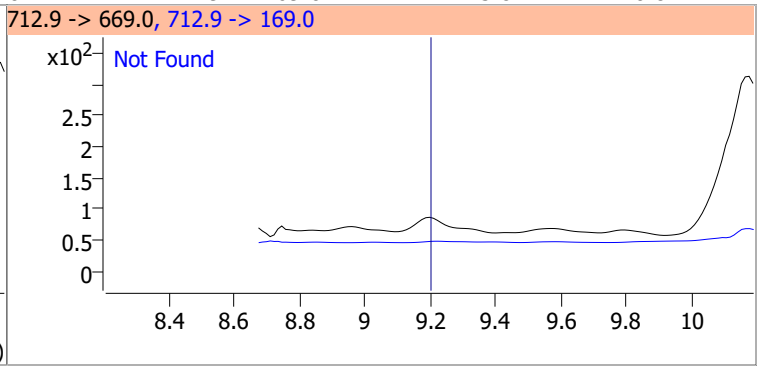


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8493	9.20	0.00	67380				

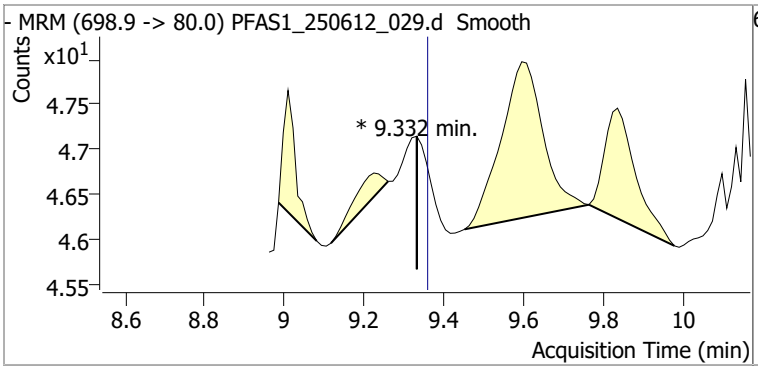


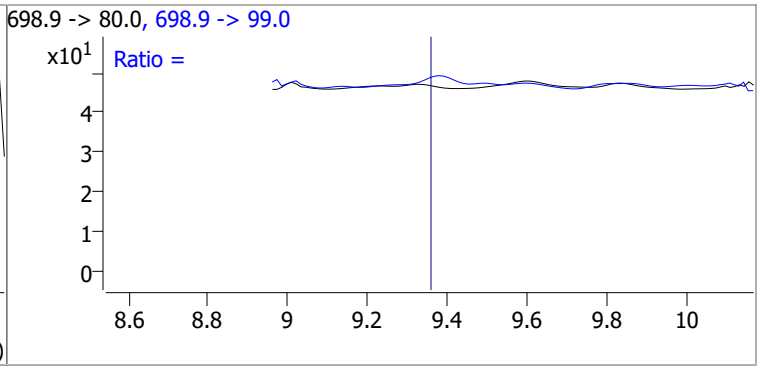
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



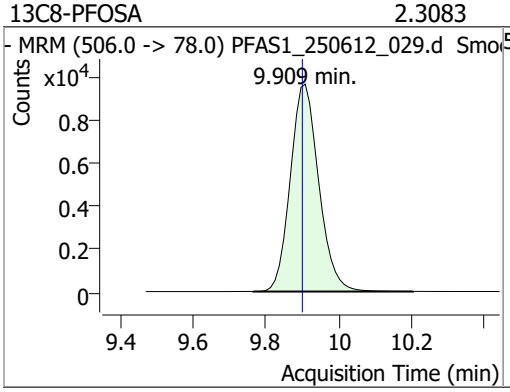


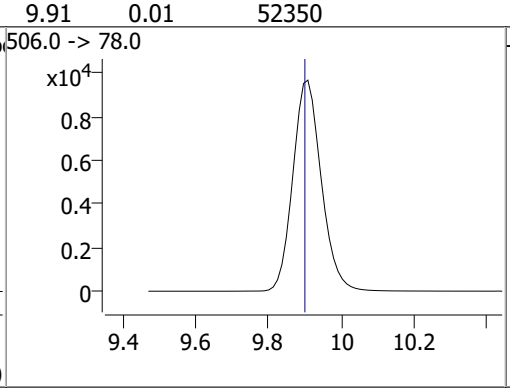
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

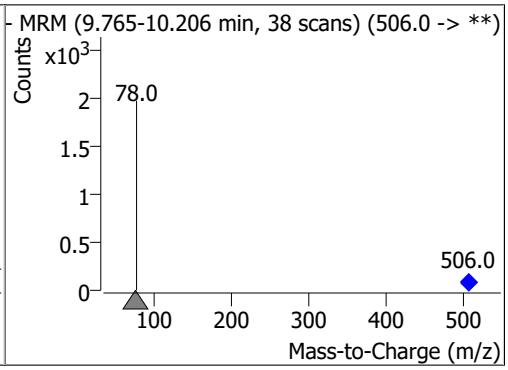




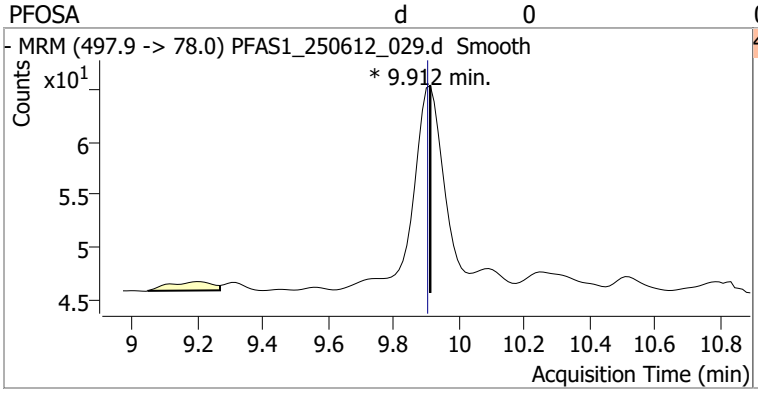
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3083	9.91	0.01	52350				

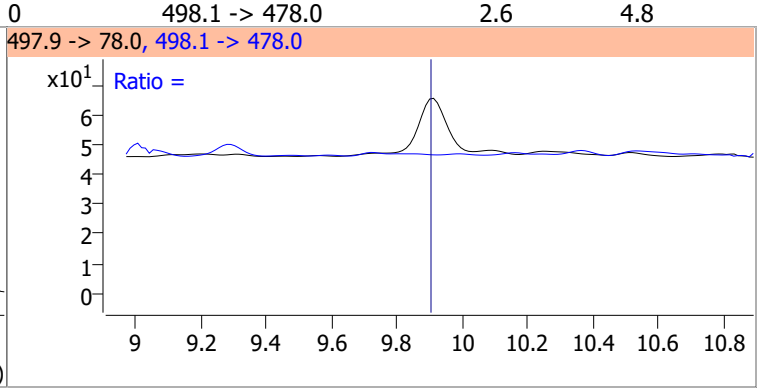




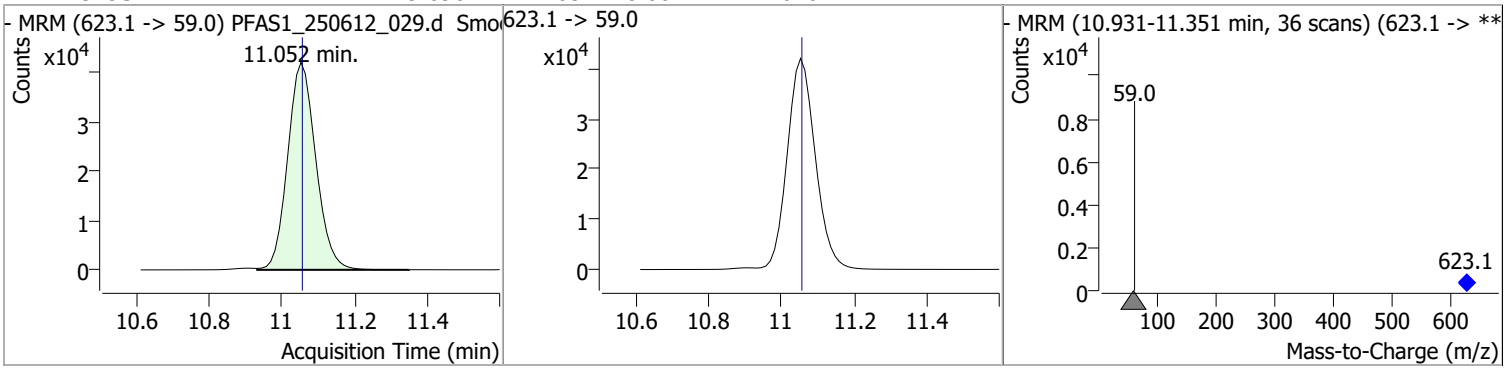


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

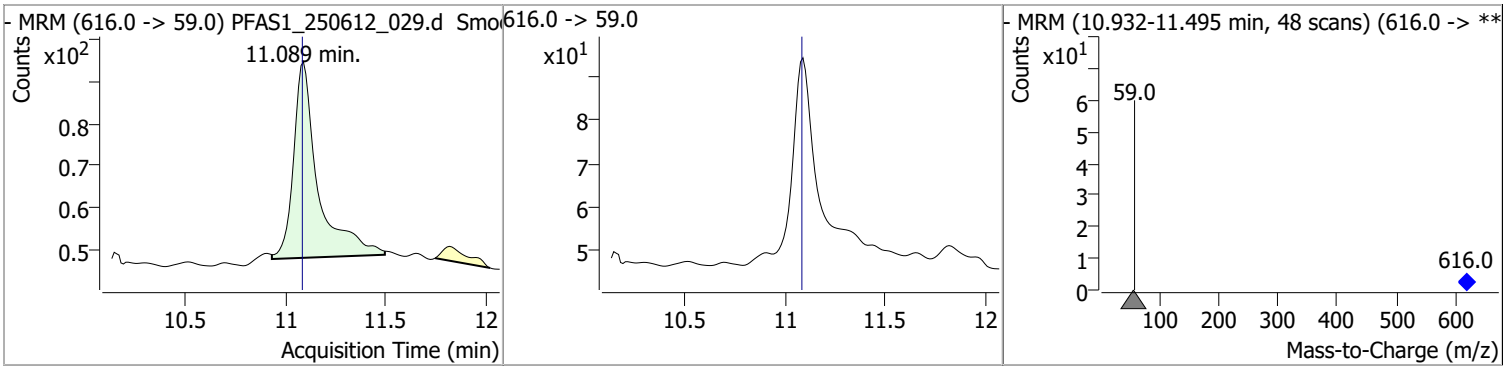




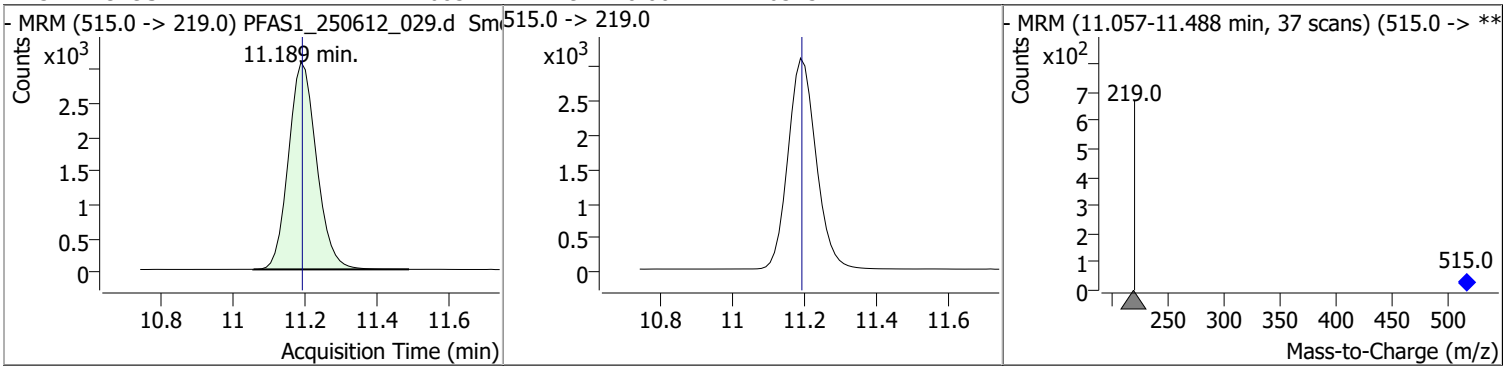
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8982	11.05	0.00	226102				



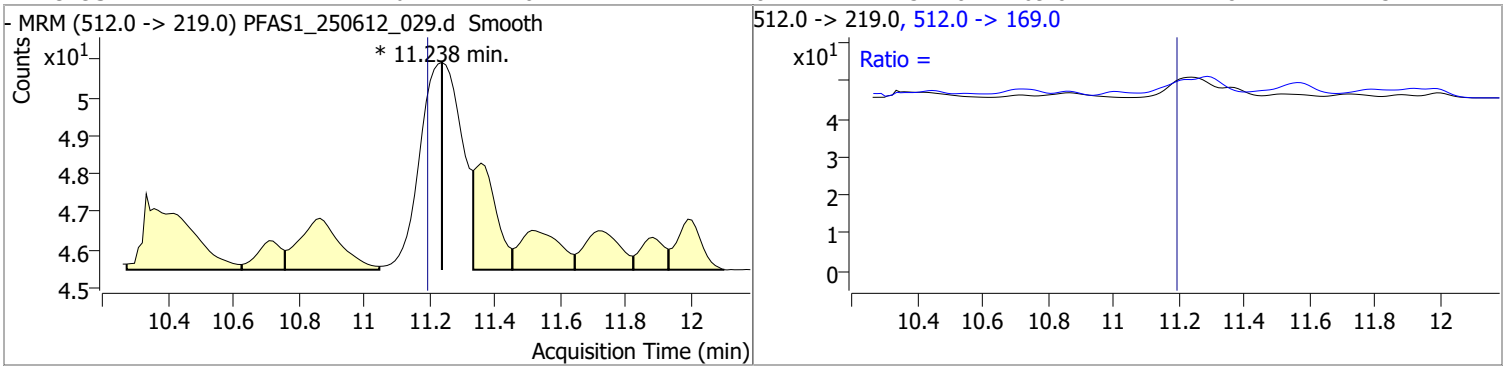
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	395				



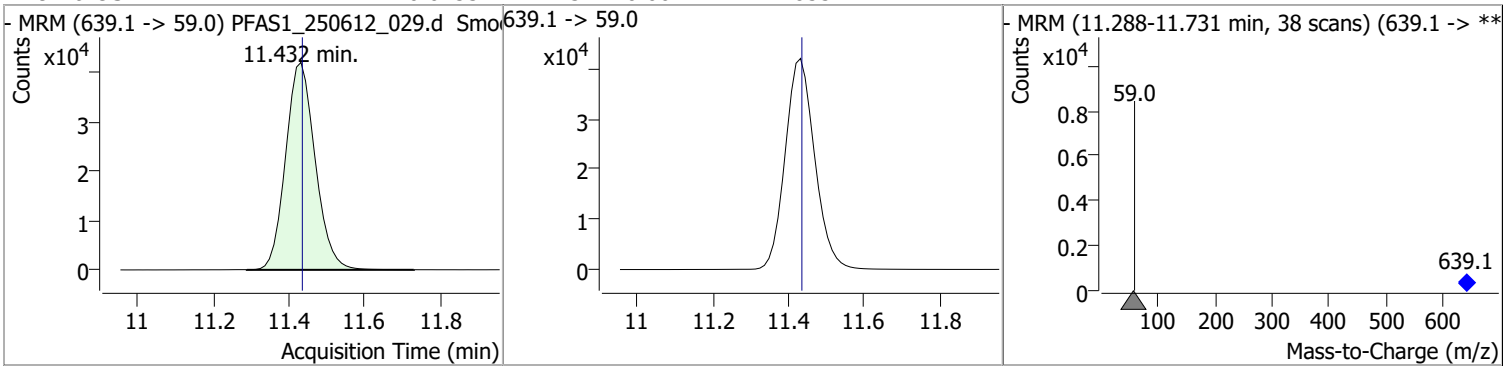
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1683	11.19	0.00	16515				



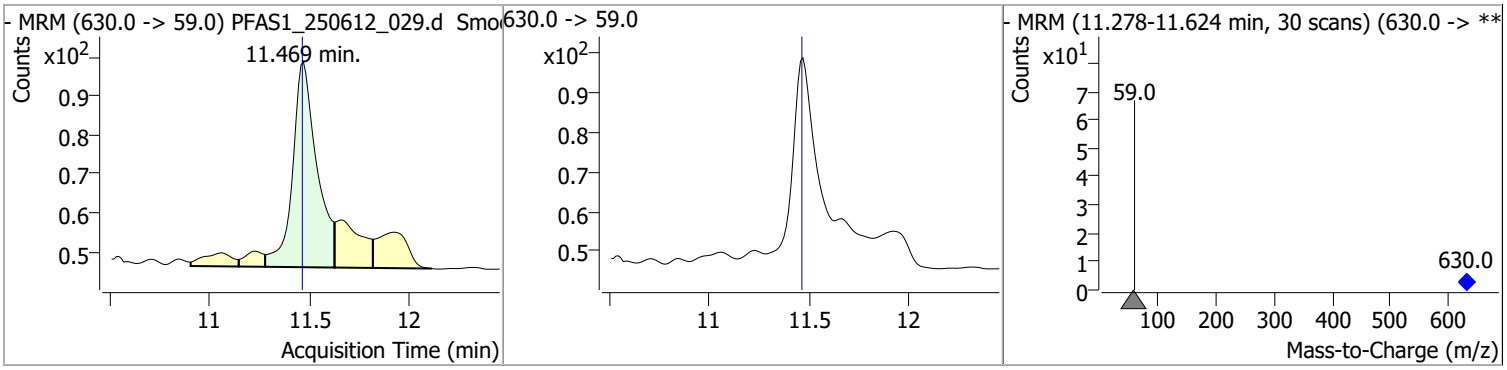
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



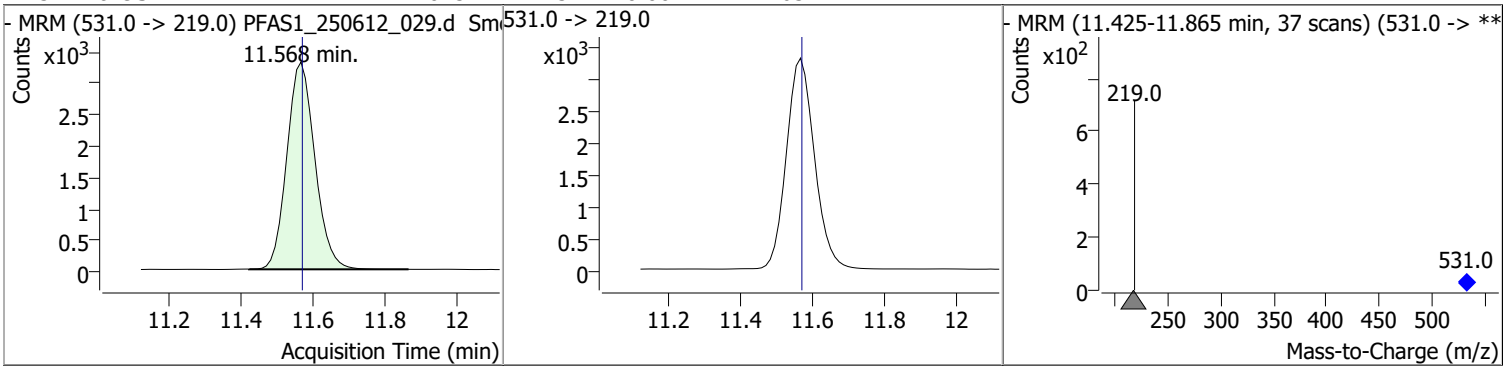
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0453	11.43	0.00	227855				



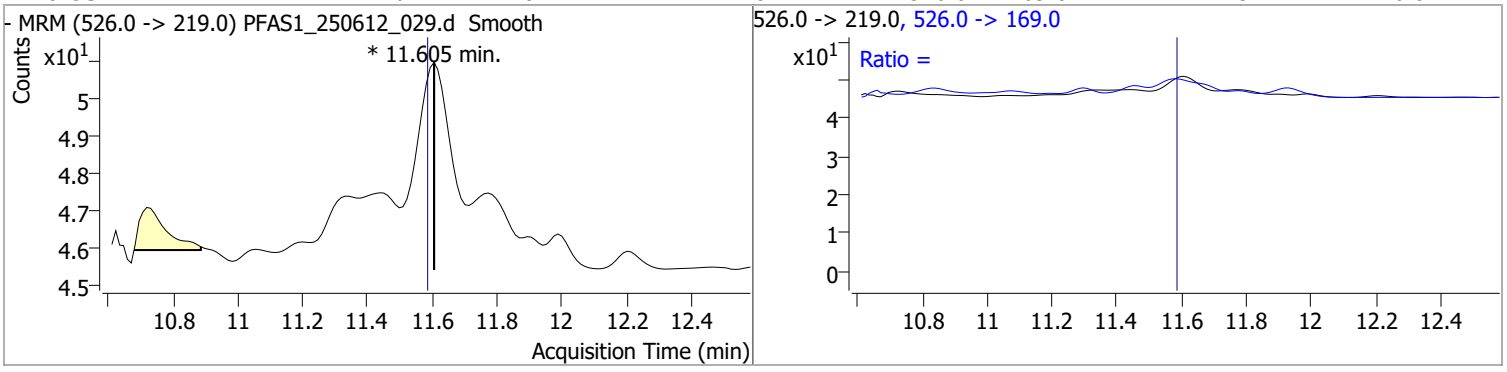
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	445				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1075	11.57	0.00	17637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_029.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 8:26:04 PM
Sample Name	B25F0614-BLK1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

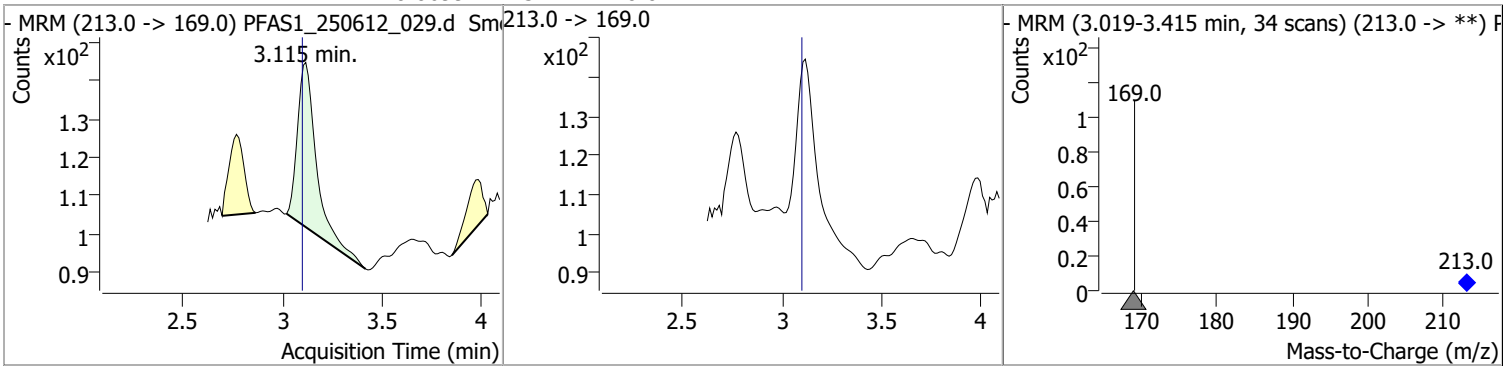
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168590	5.0000	µg/L	6.583
13C2-PFHxA	5.491	315.0 -> 270.0	183901	2.5000	µg/L	2.924
18O2-PFHxS	6.808	403.0 -> 84.0	23834	2.5000	µg/L	1.418
13C4-PFOA	6.663	417.0 -> 172.0	21228	2.5000	µg/L	5.116
13C5-PFNA	7.125	468.0 -> 423.0	124184	1.2500	µg/L	3.765
13C2-PFDA	7.576	515.0 -> 470.0	126826	1.2500	µg/L	1.355
13C4-PFOS	7.757	503.0 -> 80.0	25825	2.5000	µg/L	3.443
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C4-PFBA	3.107	217.0 -> 172.0	169013	10.0000	µg/L	-53.694
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 43.42%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C5-PFPeA	4.606	268.0 -> 223.0	258462	5.0000	µg/L	-4.190
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 93.12%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	20362	5.0000	µg/L	26.356
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 125.24%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C5-PFHxA	5.490	318.0 -> 273.0	184457	2.5000	µg/L	0.249
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 97.38%		
13C3-PFBS	5.505	302.0 -> 80.0	42624	2.5000	µg/L	-0.006
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.80%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	213377	10.0000	µg/L	-3.829
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 93.41%		
13C4-PFHpA	6.142	367.0 -> 322.0	207670	2.5000	µg/L	-2.593
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.60%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12919	5.0000	µg/L	14.559
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 113.39%		
13C8-PFOA	6.662	421.0 -> 376.0	224606	2.5000	µg/L	-0.571
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 94.51%		
13C3-PFHxS	6.797	402.0 -> 80.0	25525	2.5000	µg/L	-5.397
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 93.32%		
13C9-PFNA	7.125	472.0 -> 427.0	122455	1.2500	µg/L	-0.201
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 96.20%		
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L	-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13076	5.0000	µg/L	6.238
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.82%		
13C6-PFDA	7.575	519.0 -> 474.0	131621	1.2500	µg/L	-0.965

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 97.77%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	88672	5.0000	µg/L		-4.594
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 91.97%			
13C8-PFOS	7.756	507.0 -> 80.0	24496	2.5000	µg/L		-1.003
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.74%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71758	5.0000	µg/L		-3.733
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 92.88%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115592	1.2500	µg/L		0.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.89%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	81200	1.2500	µg/L		-17.983
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 80.86%			
13C2-PFDoDA	8.424	615.0 -> 570.0	95019	1.2500	µg/L		-5.218
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 93.45%			
13C2-PFTDA	9.197	715.0 -> 670.0	67380	1.2500	µg/L		-31.073
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 67.95%			
13C8-PFOSA	9.909	506.0 -> 78.0	52350	2.5000	µg/L		-4.286
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 92.33%			
2H7-MeFOSE	11.052	623.1 -> 59.0	226102	25.0000	µg/L		-17.694
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 79.59%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	16515	2.5000	µg/L		-10.018
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 86.73%			
2H9-EtFOSE	11.432	639.1 -> 59.0	227855	25.0000	µg/L		-17.076
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 80.18%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	17637	2.5000	µg/L		-12.675
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 84.30%			
Target Compounds							QValue
PFBA	3.115	213.0 -> 169.0	274	0.0699	µg/L		100
PFMPA	3.806	229.0 -> 85.0	74	0.0398	µg/L		100
3-3 FTCA	3.946	241.0 -> 177.0	5	0.0422	µg/L	#	1
PFPeA	4.608	263.0 -> 219.0	270	0.0356	µg/L	#	99
PFMBA	5.078	279.0 -> 85.0	46	0.0445	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	18	0.0065	µg/L	#	80
NFDHA	5.402	295.0 -> 201.0	23	0.0000	µg/L		89
PFHxA	5.492	313.0 -> 269.0	271	0.0103	µg/L		89
PFBS	5.507	298.9 -> 80.0	6	0.0000	µg/L		35
HFPO-DA	5.736	285.0 -> 169.0	111	0.0142	µg/L	#	76
PFEESA	5.753	314.9 -> 135.0	17	0.0000	µg/L	#	1
5-3 FTCA	6.144	341.0 -> 237.0	118	0.6690	µg/L	#	58
PFHpA	6.142	363.0 -> 319.0	277	0.0223	µg/L		92
PFPeS	6.312	348.9 -> 80.0	6	0.0151	µg/L	#	1
DONA	6.345	377.0 -> 251.0	78	0.0436	µg/L		46
6-2 FTSA	6.448	427.0 -> 407.0	112	0.0000	µg/L	#	84
PFOA	6.663	413.0 -> 369.0	1231	0.0240	µg/L		95
PFHxS	6.798	398.9 -> 80.0	142	0.0067	µg/L	#	67
PFNA	7.138	463.0 -> 419.0	244	0.0145	µg/L		94
PFHpS	7.355	448.9 -> 80.0	6	0.0000	µg/L	#	1
8-2 FTSA	7.456	527.0 -> 507.0	47	0.0199	µg/L		47
7-3 FTCA	7.463	441.0 -> 317.0	255	0.6923	µg/L	#	59
PFDA	7.576	513.0 -> 469.0	156	0.0187	µg/L	#	76
N-MeFOSAA	7.716	570.0 -> 419.0	89	0.0028	µg/L	#	71
PFOS	7.758	498.9 -> 80.0	247	0.0000	µg/L		96
N-EtFOSAA	7.927	584.0 -> 419.0	104	0.0174	µg/L	#	21
PFUnDA	0.000		0	N.D.			
9Cl-PF3ONS	8.146	530.9 -> 350.9	63	0.0018	µg/L	#	1

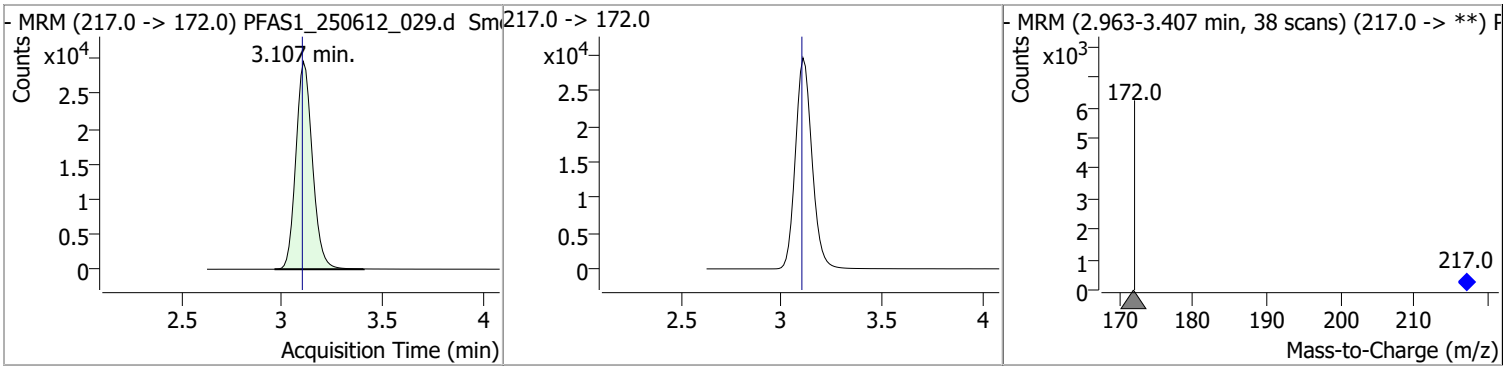
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	5	0.0000	µg/L	#	1
PFDoDA	8.424	613.0 -> 569.0	167	0.0075	µg/L		65
PFDS	8.618	598.9 -> 80.0	12	0.0173	µg/L	#	56
PFTrDA	8.829	663.0 -> 619.0	45	0.0160	µg/L	#	86
11Cl-PF3OUdS	8.903	630.9 -> 450.9	207	0.0145	µg/L		87
PFTDA	9.198	712.9 -> 669.0	158	0.0175	µg/L		77
PFDoS	9.332	698.9 -> 80.0	3	0.0198	µg/L	#	1
PFOSA	9.912	497.9 -> 78.0	105	0.0102	µg/L		89
MeFOSE	11.089	616.0 -> 59.0	395	0.0000	µg/L		100
N-MeFOSA	11.238	512.0 -> 219.0	48	0.0091	µg/L		99
EtFOSE	11.469	630.0 -> 59.0	445	0.0000	µg/L		100
N-EtFOSA	11.605	526.0 -> 219.0	76	0.0295	µg/L	#	45

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

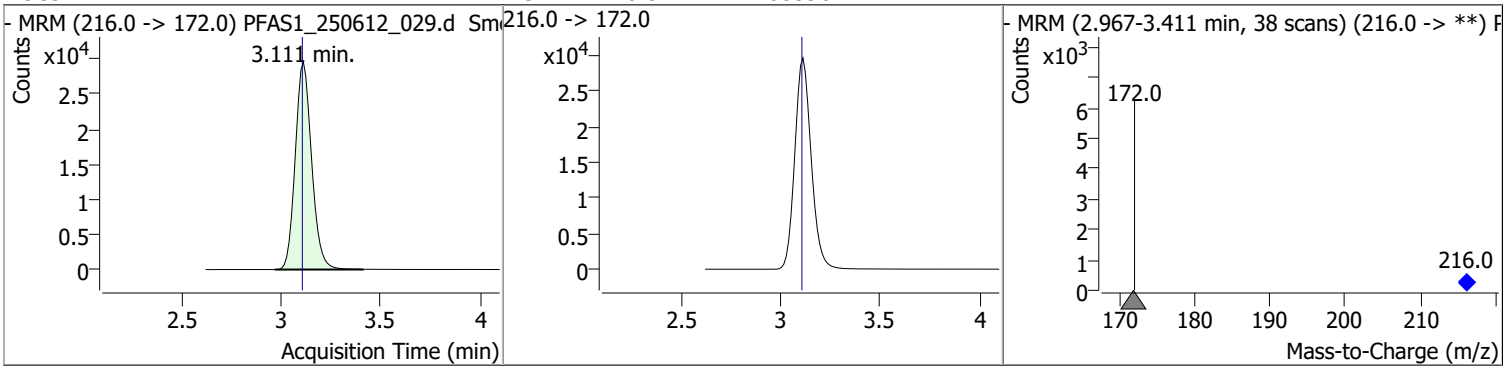
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0699	3.11	0.02	274				



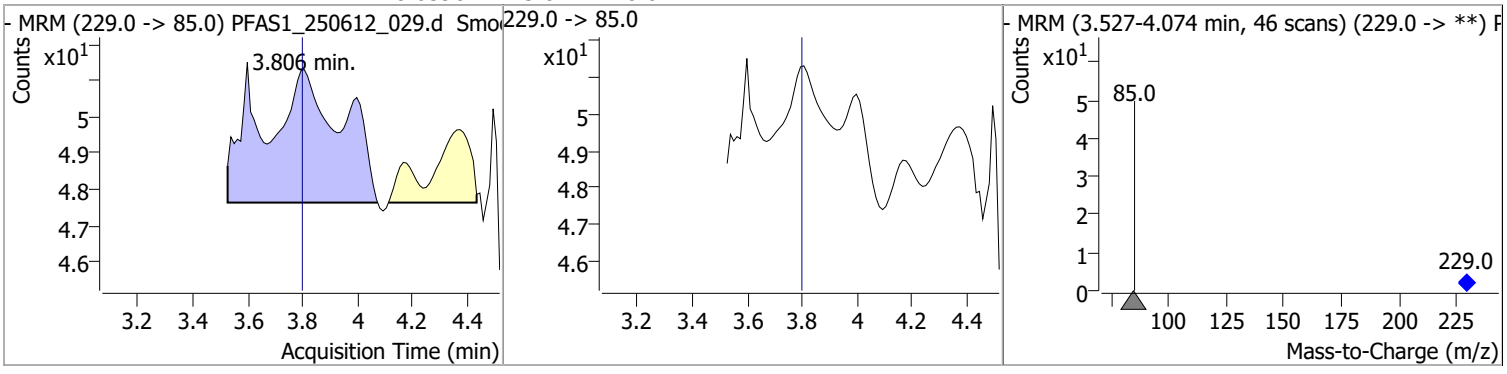
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	4.3421	3.11	0.01	169013				



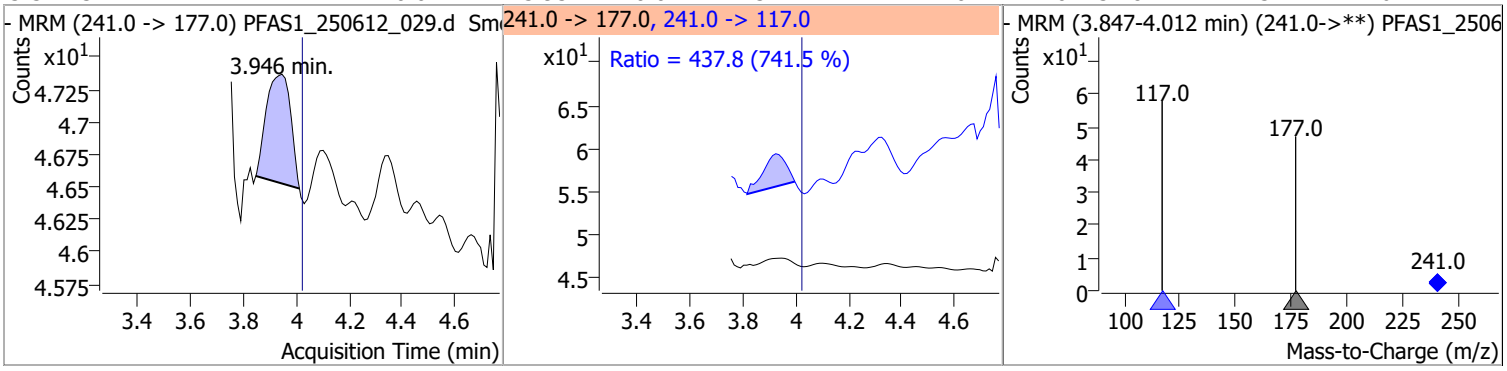
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.01	168590				



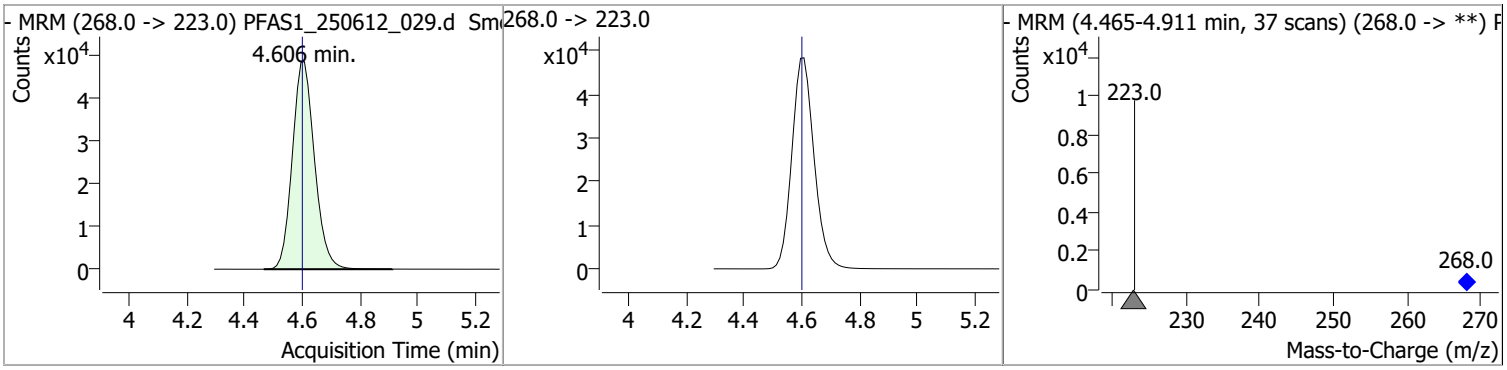
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0398	3.81	0.01	74				



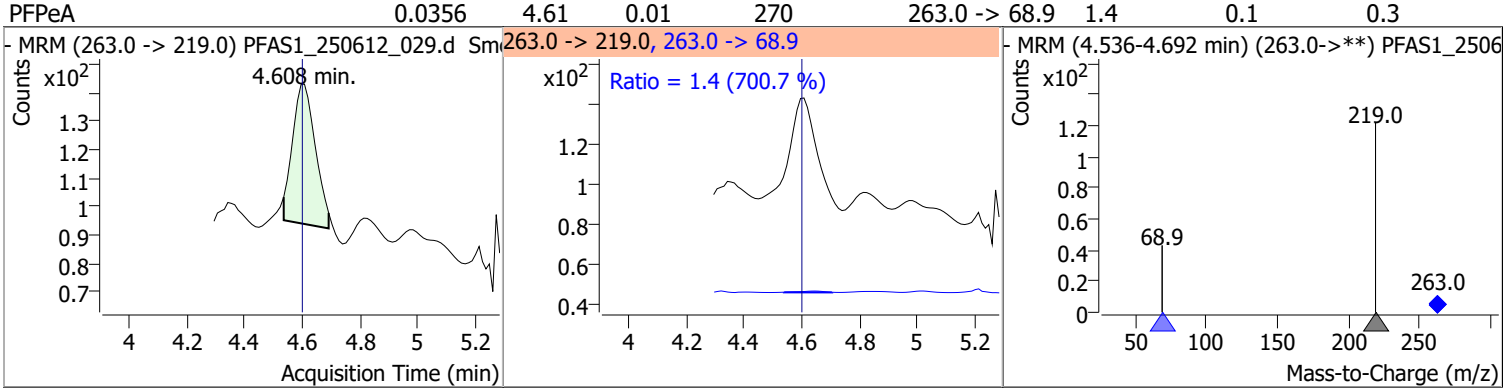
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0422	3.95	-0.07	5	241.0 -> 117.0	437.8	41.3	76.7



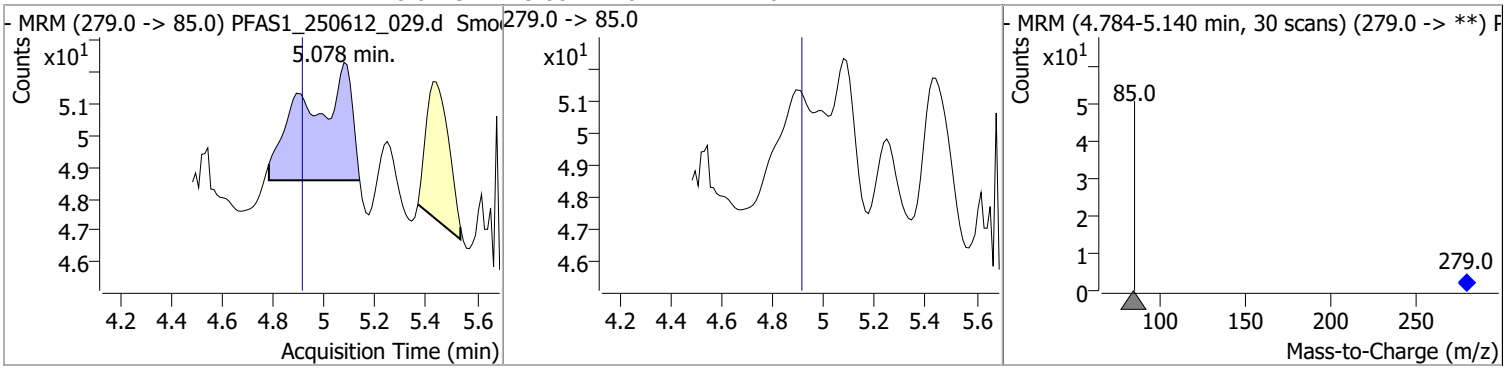
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.6560	4.61	0.01	258462				



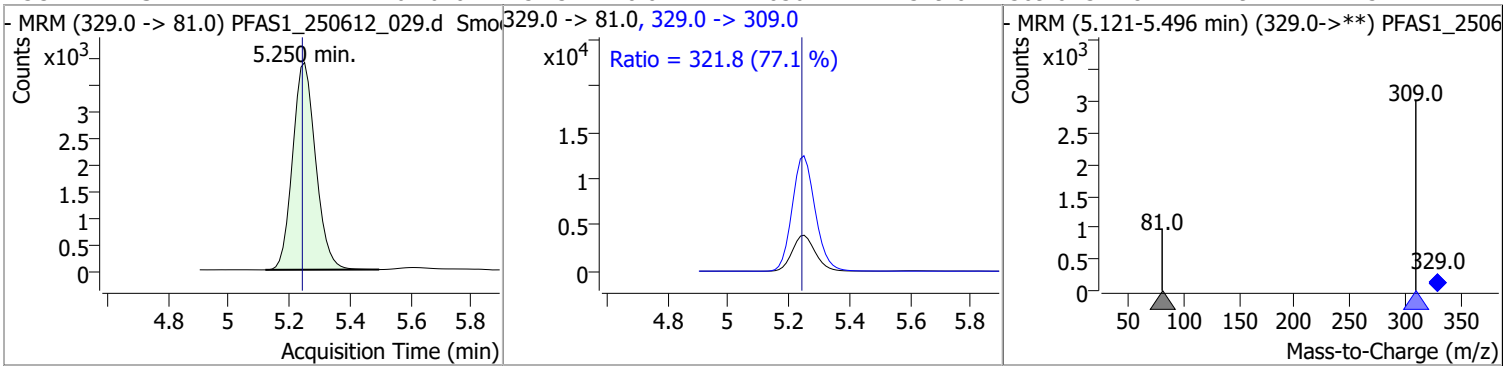
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0356	4.61	0.01	270	263.0 -> 68.9	1.4	0.1	0.3



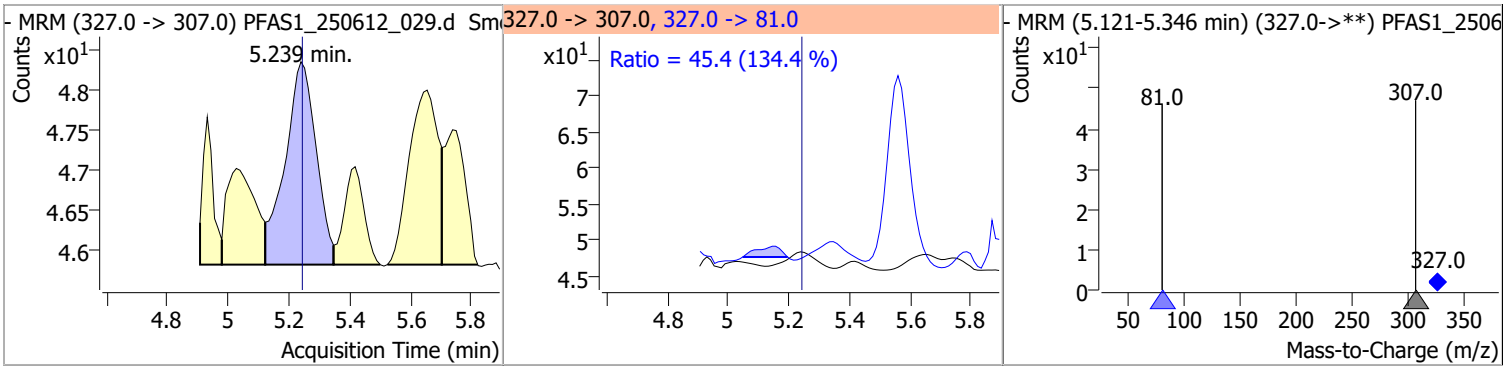
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0445	5.08	0.17	46				



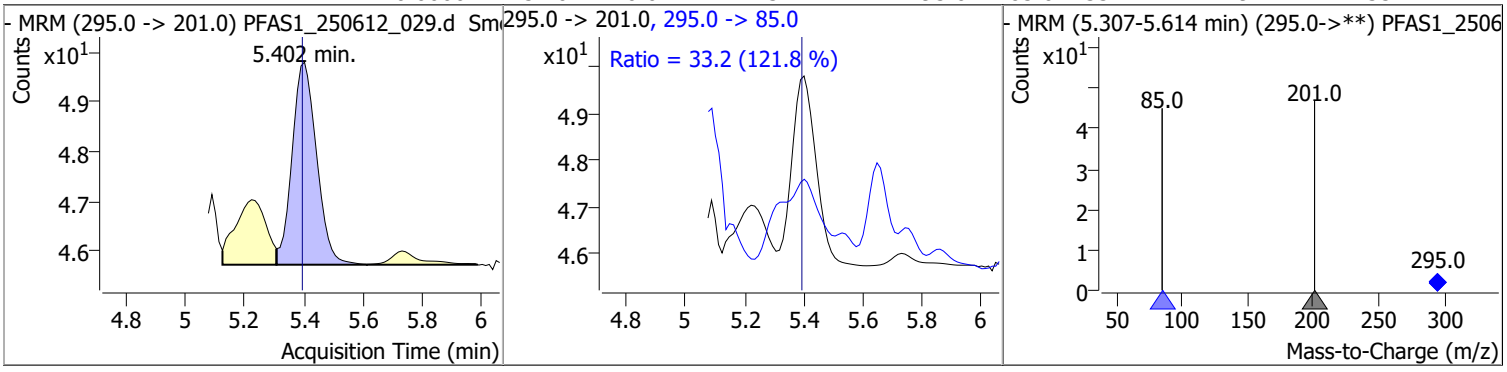
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.2620	5.25	0.01	20362	329.0 -> 309.0	321.8	292.1	542.4



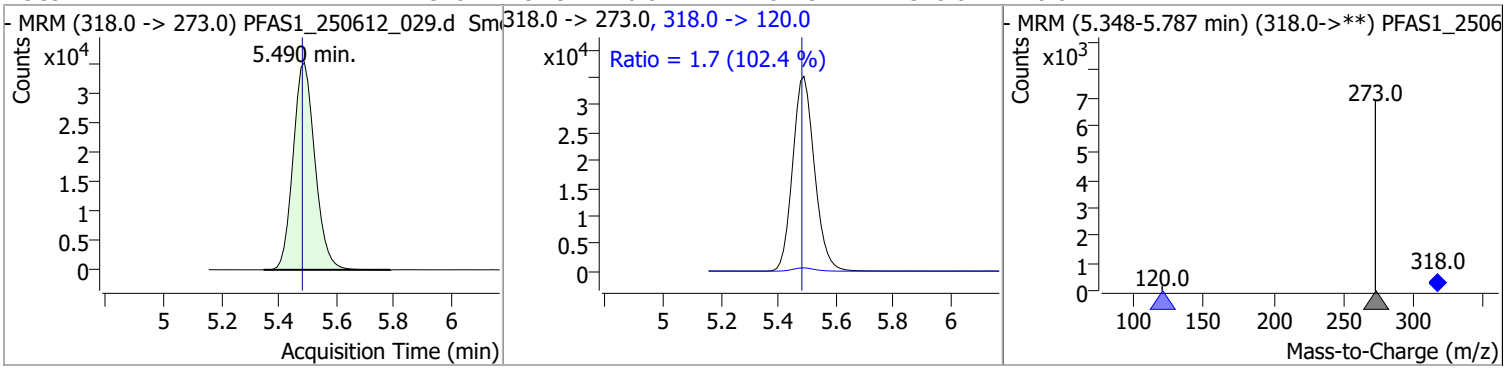
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0065	5.24	0.00	18	327.0 -> 81.0	45.4	23.6	43.9



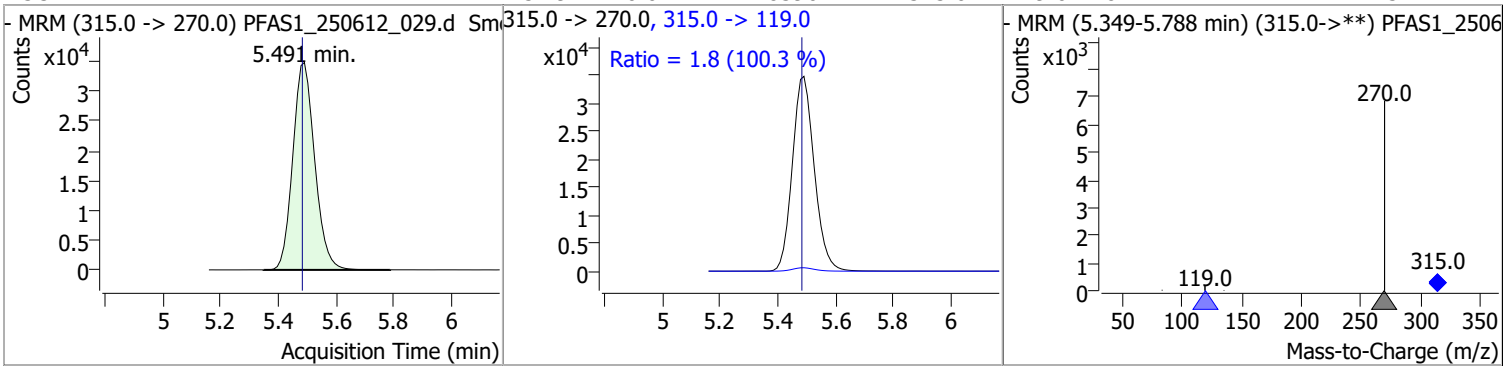
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.40	0.01	23	295.0 -> 85.0	33.2	19.1	35.4



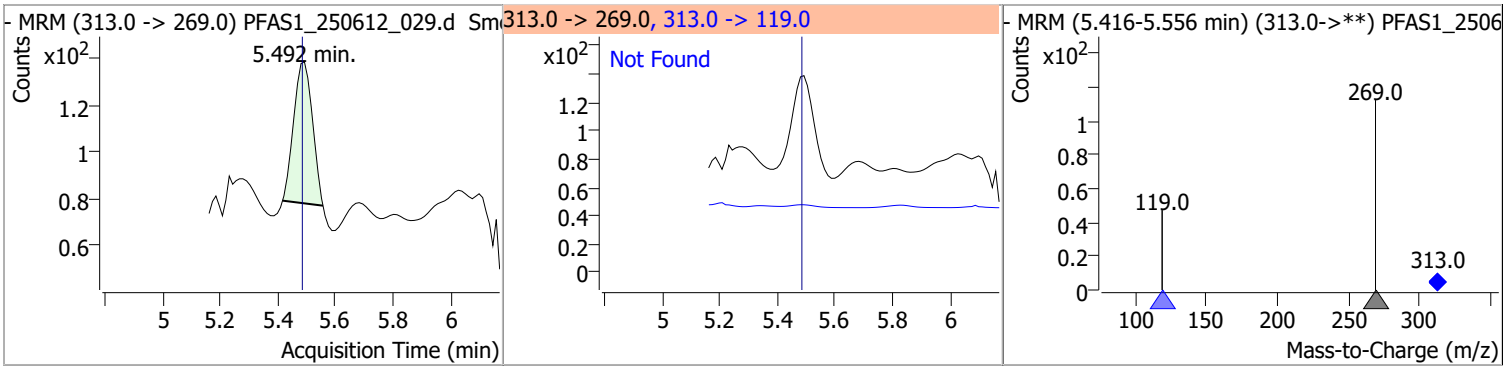
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4346	5.49	0.01	184457	318.0 -> 120.0	1.7	1.1	2.1



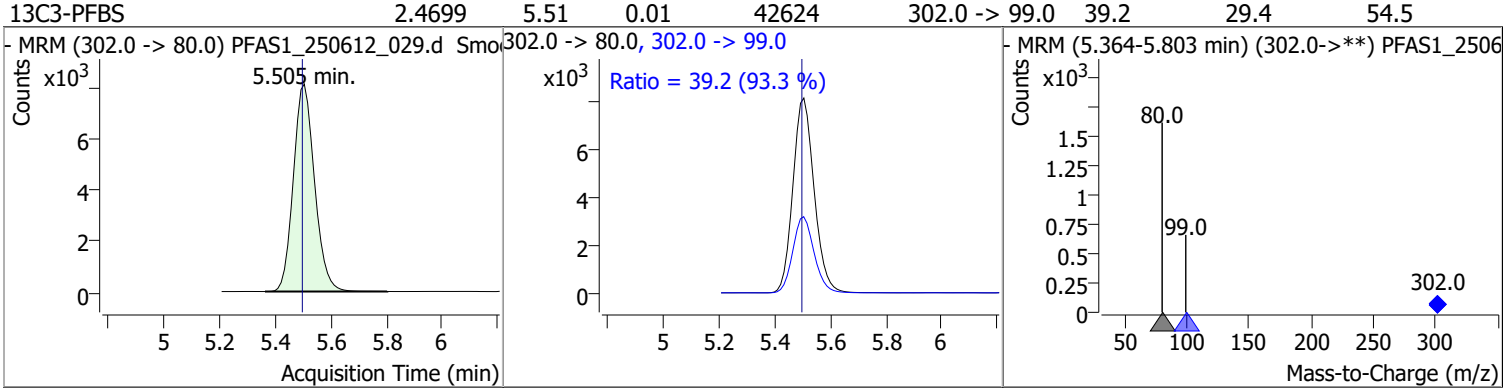
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.49	0.01	183901	315.0 -> 119.0	1.8	1.2	2.3



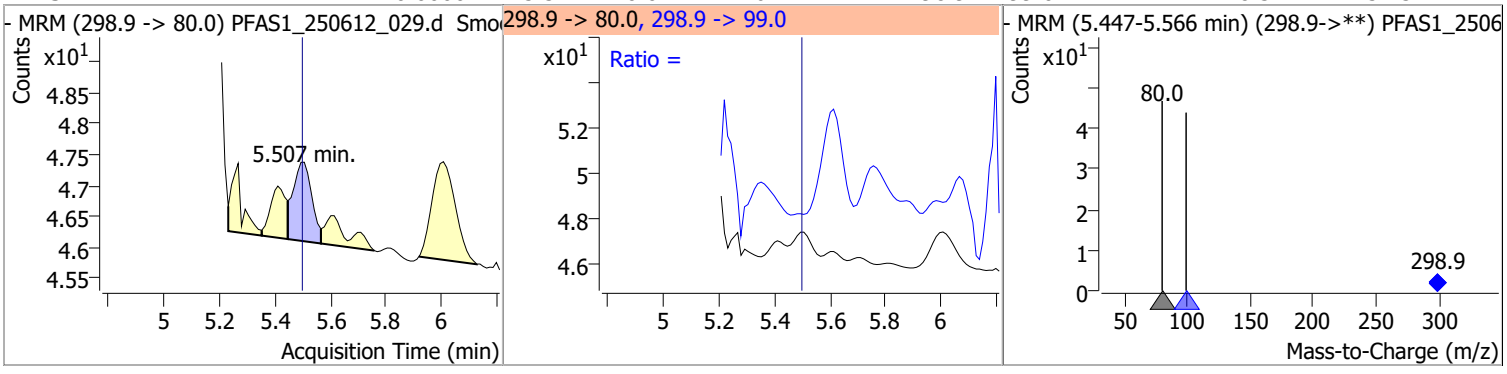
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0103	5.49	0.01	271	313.0 -> 119.0		2.4	4.5



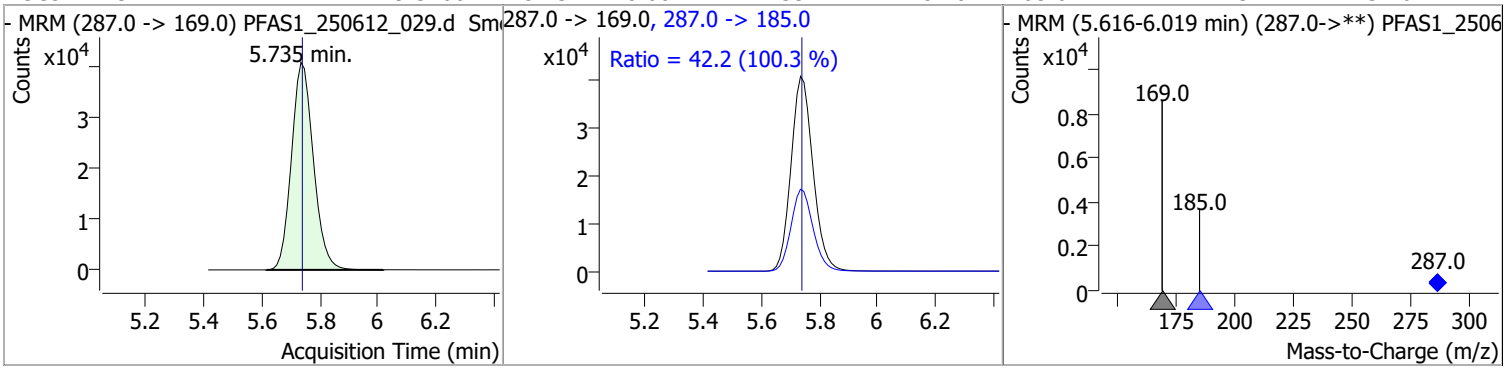
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.4699	5.51	0.01	42624	302.0 -> 99.0	39.2	29.4	54.5



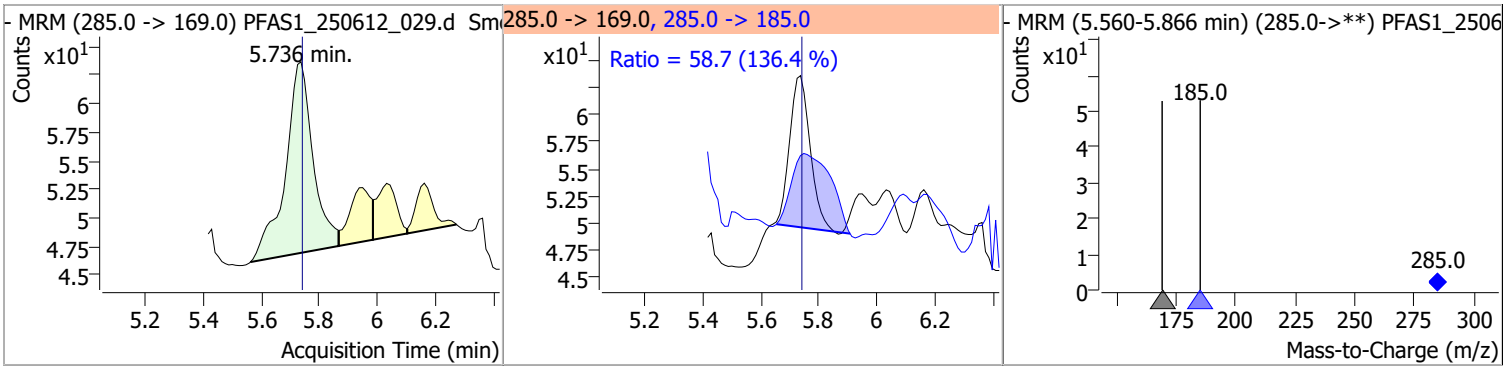
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.51	0.01	6	298.9 -> 99.0		28.3	52.5



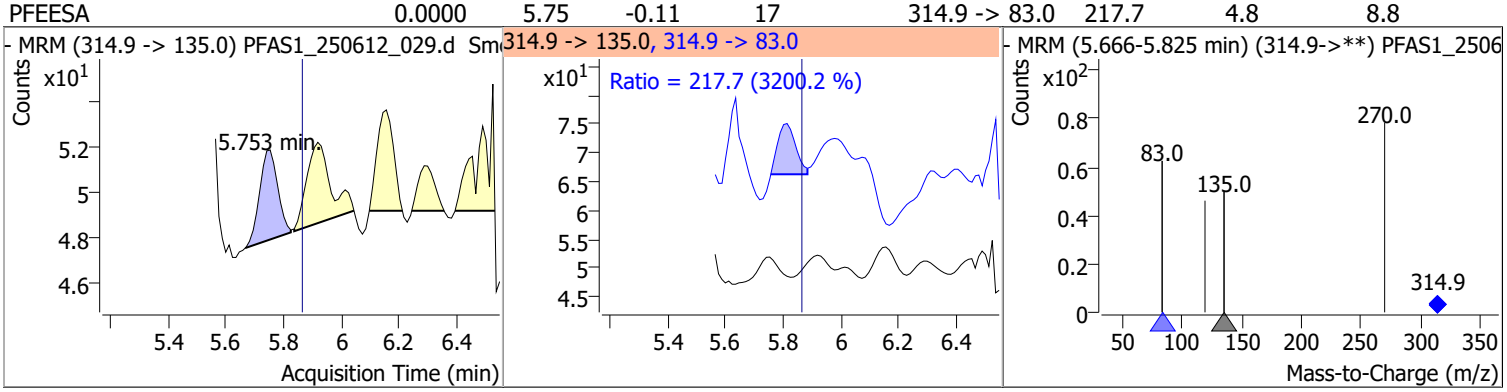
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.3408	5.73	0.00	213377	287.0 -> 185.0	42.2	29.4	54.6



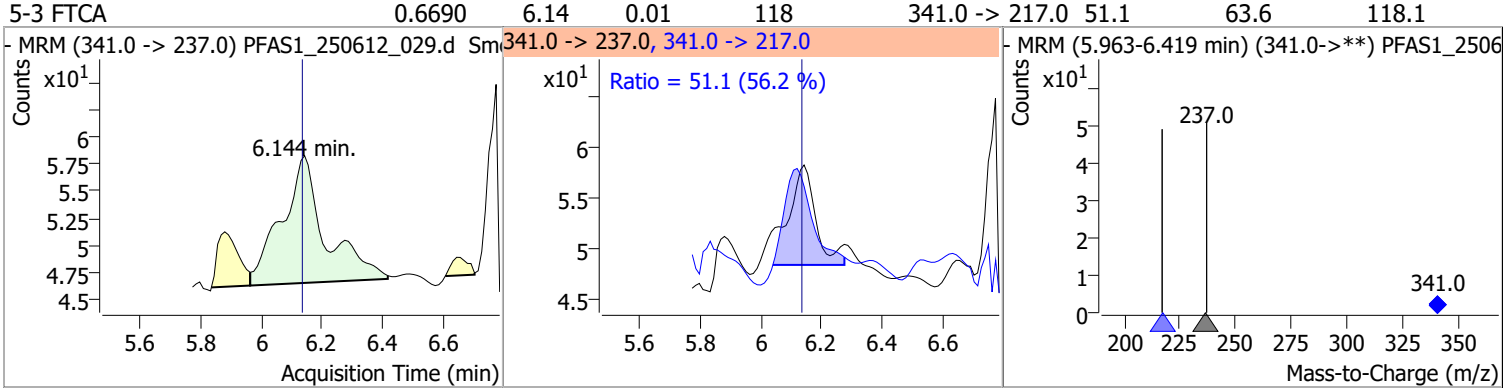
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0142	5.74	0.00	111	285.0 -> 185.0	58.7	30.1	56.0



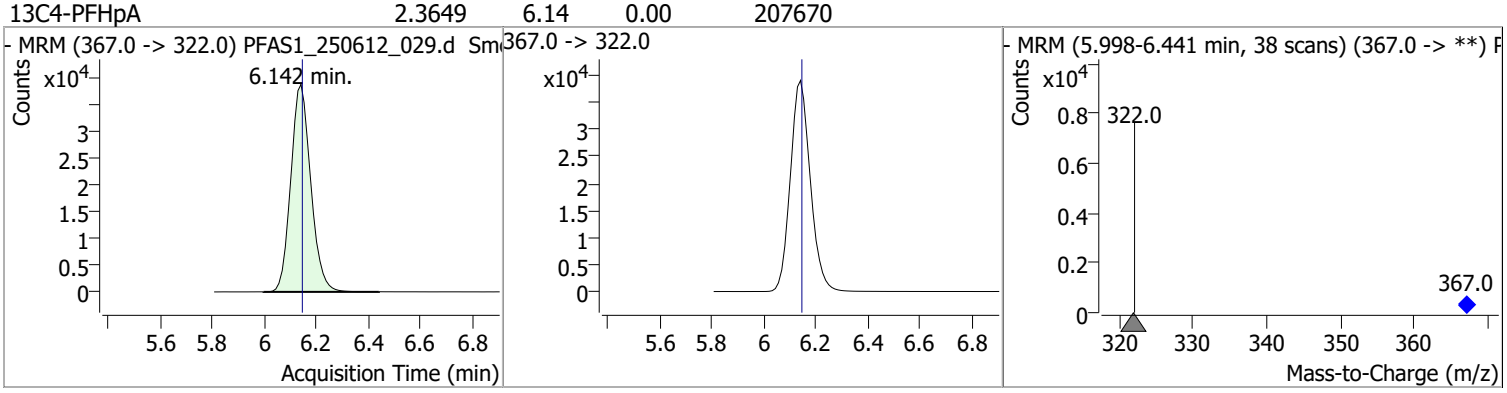
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.75	-0.11	17	314.9 -> 83.0	217.7	4.8	8.8



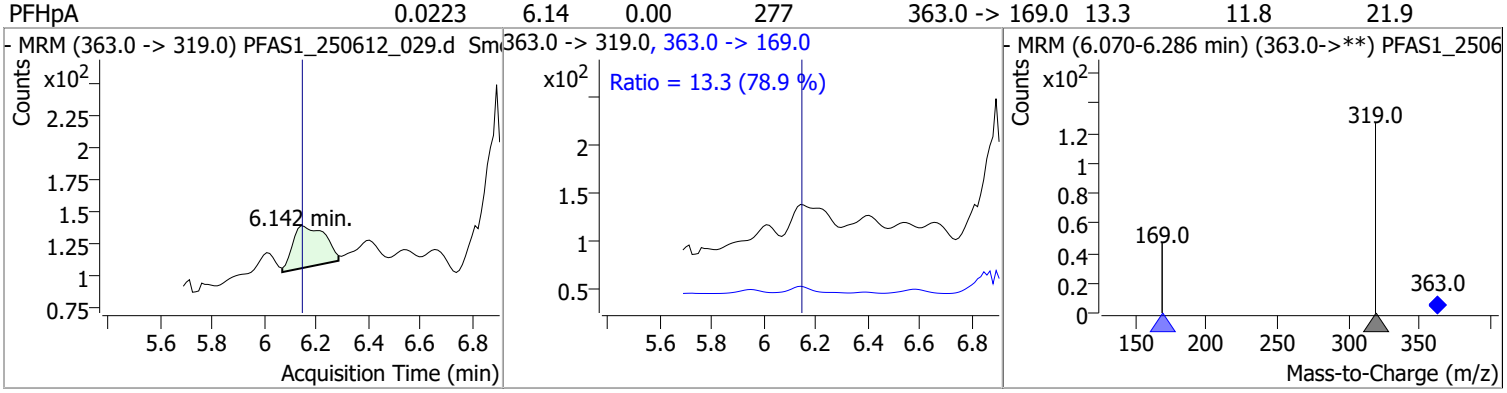
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6690	6.14	0.01	118	341.0 -> 217.0	51.1	63.6	118.1



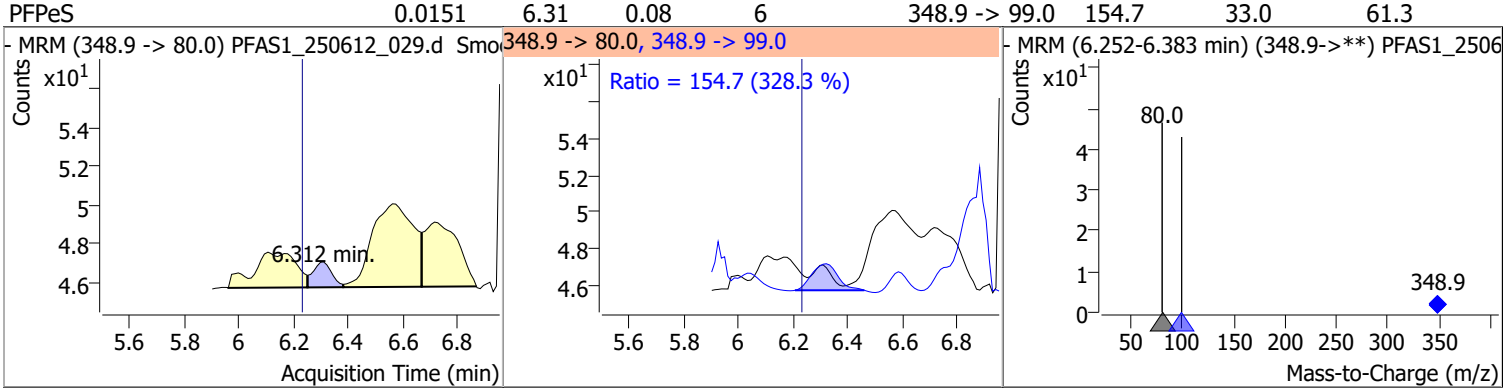
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.3649	6.14	0.00	207670				



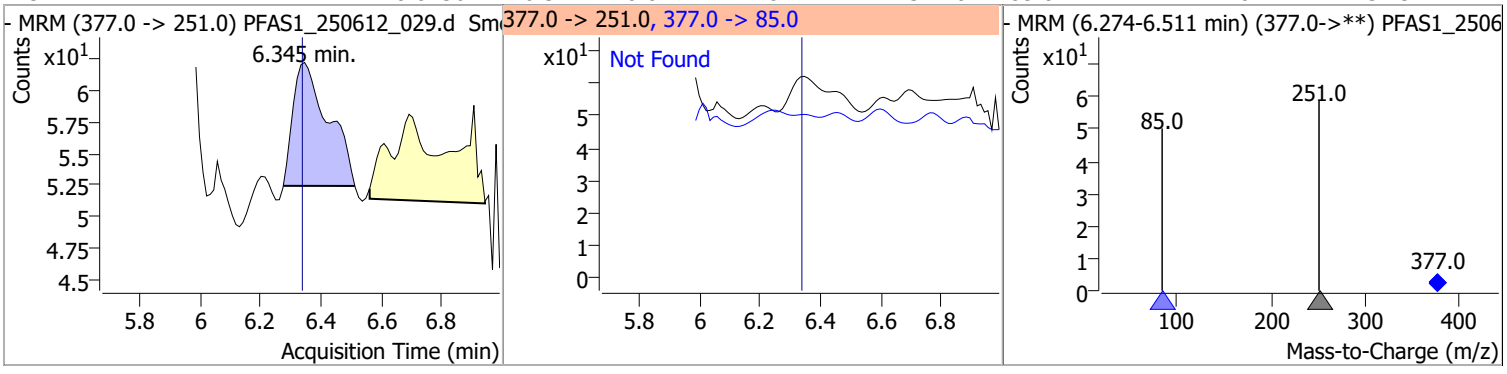
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0223	6.14	0.00	277	363.0 -> 169.0	13.3	11.8	21.9



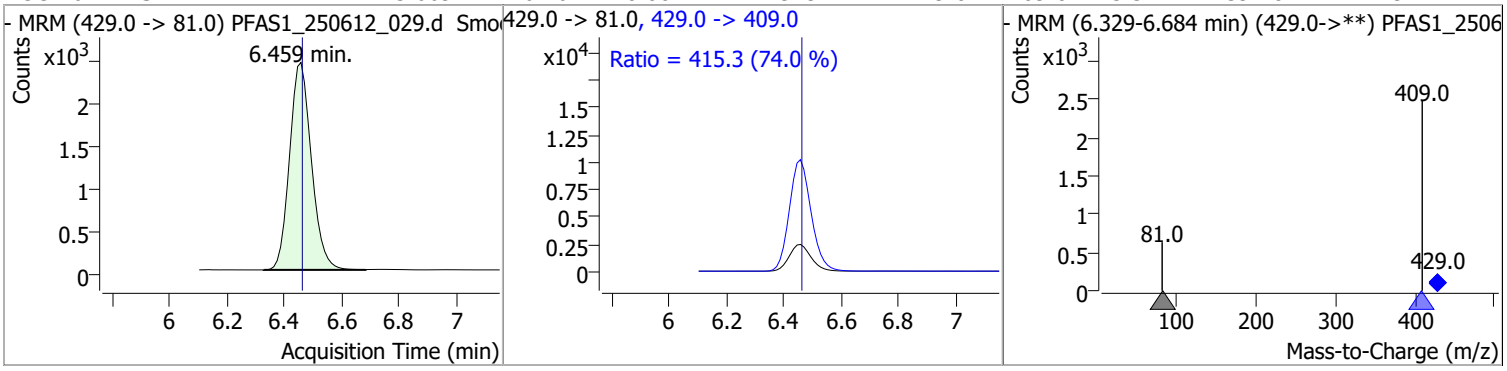
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0151	6.31	0.08	6	348.9 -> 99.0	154.7	33.0	61.3



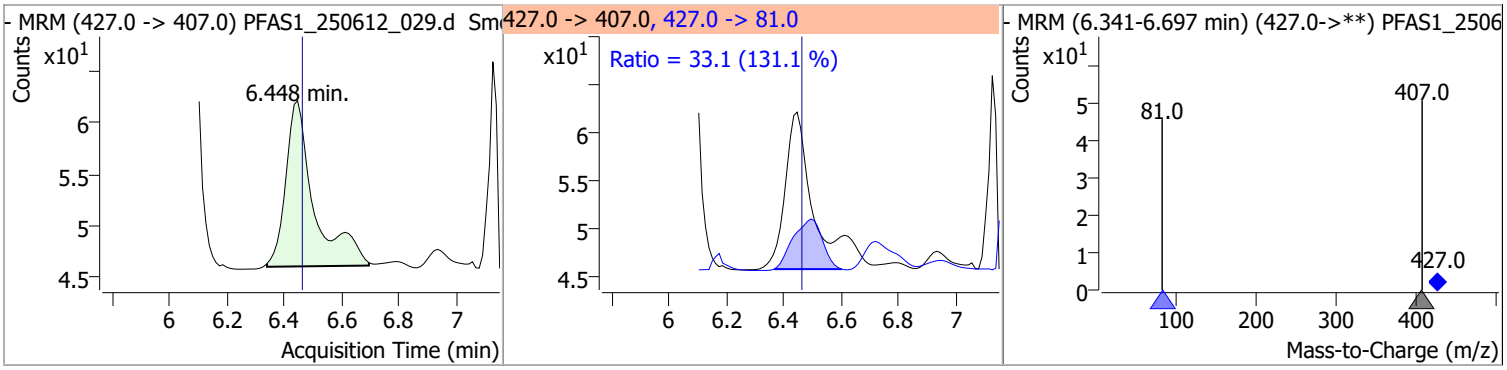
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0436	6.34	0.01	78	377.0 -> 85.0		20.4	37.9



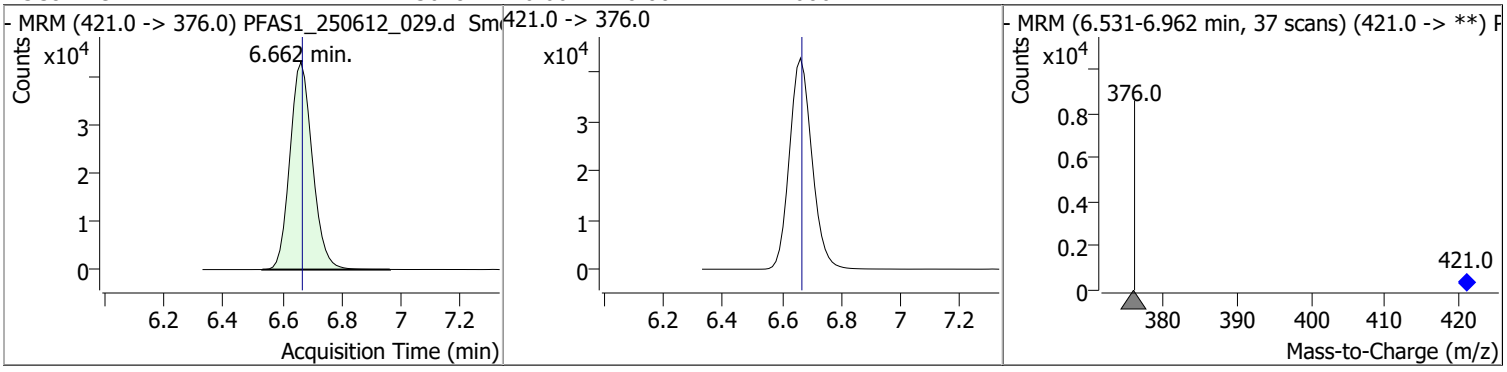
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6697	6.46	0.00	12919	429.0 -> 409.0	415.3	392.8	729.4



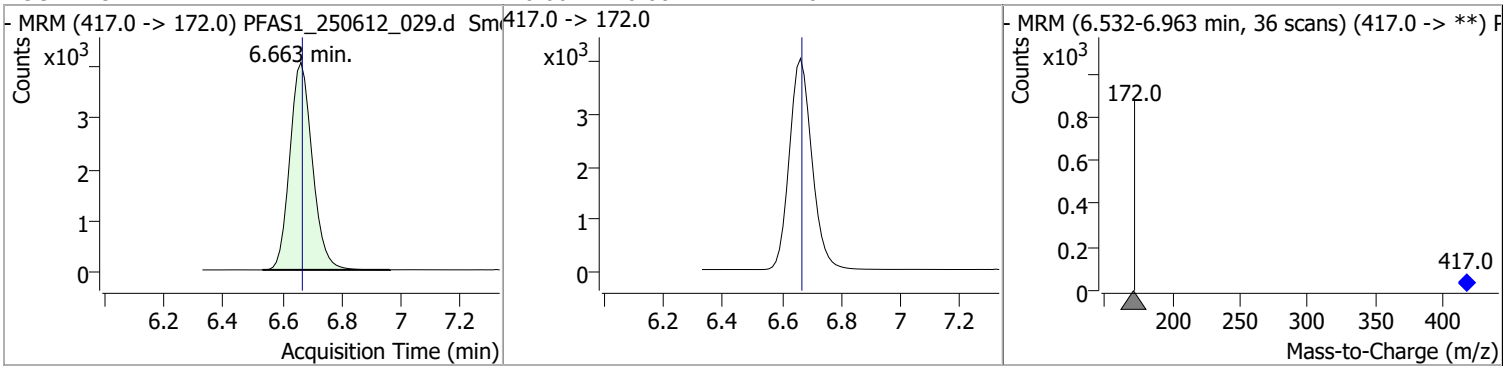
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	112	427.0 -> 81.0	33.1	17.7	32.8



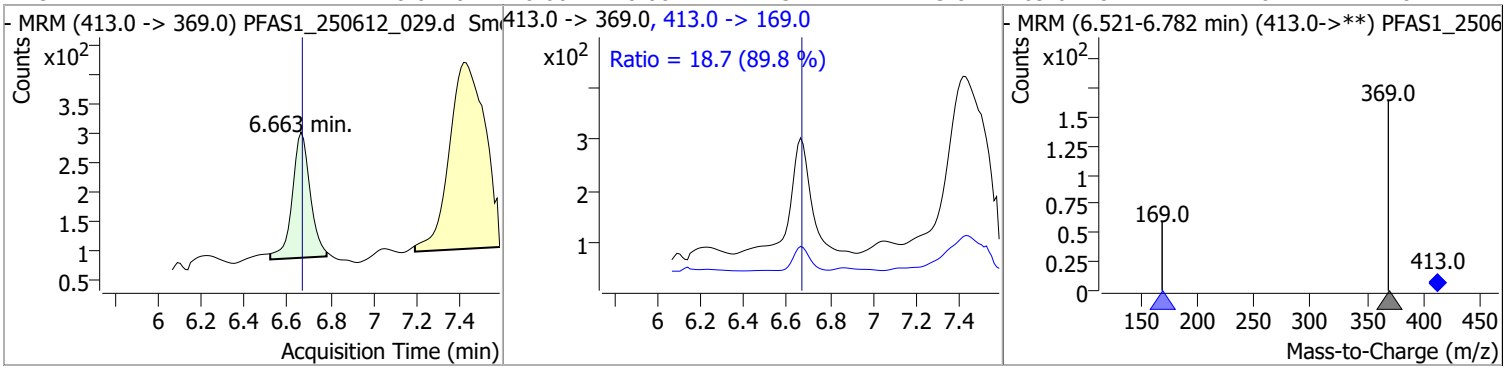
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.3628	6.66	0.00	224606				



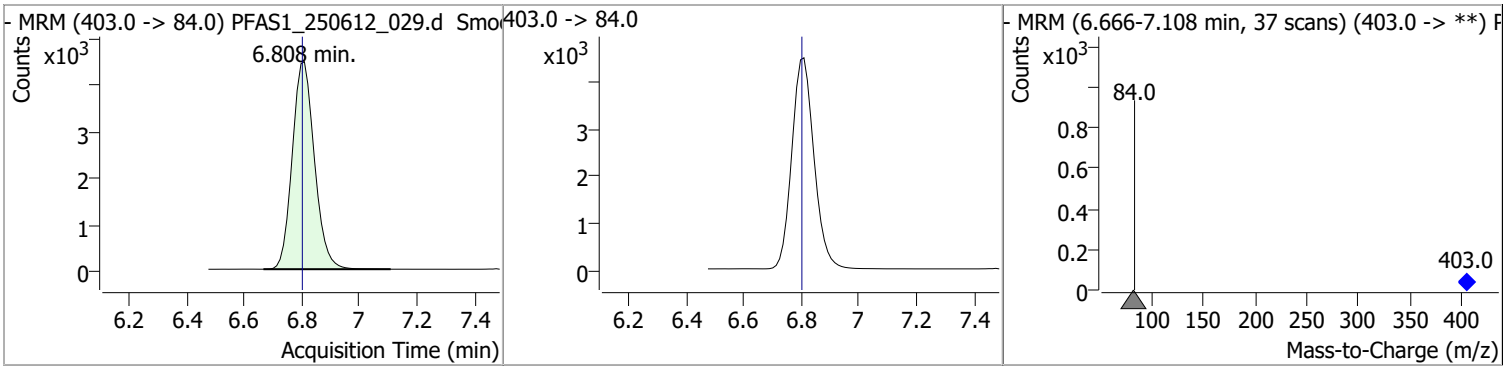
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21228				



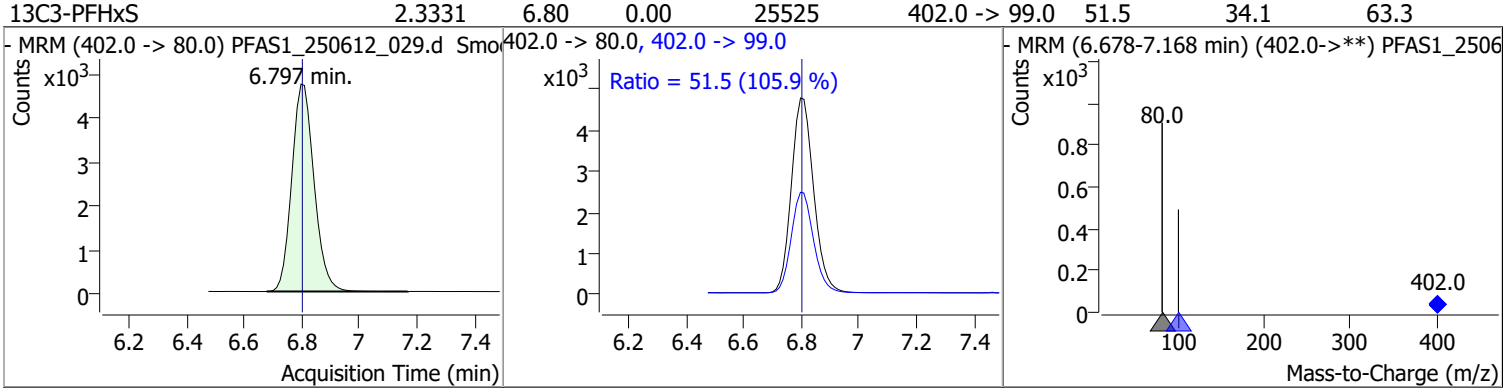
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0240	6.66	0.00	1231	413.0 -> 169.0	18.7	14.6	27.0



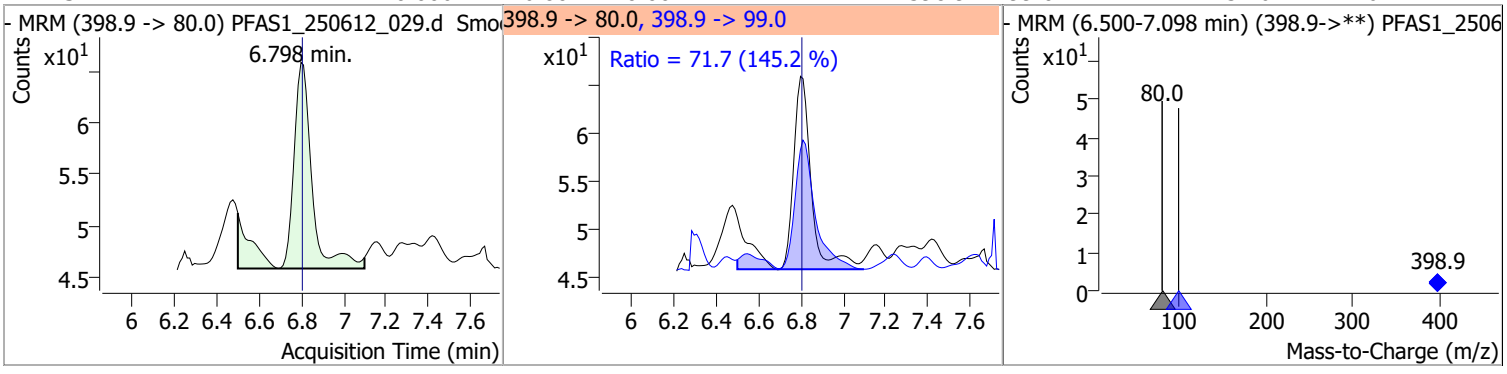
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.01	23834				



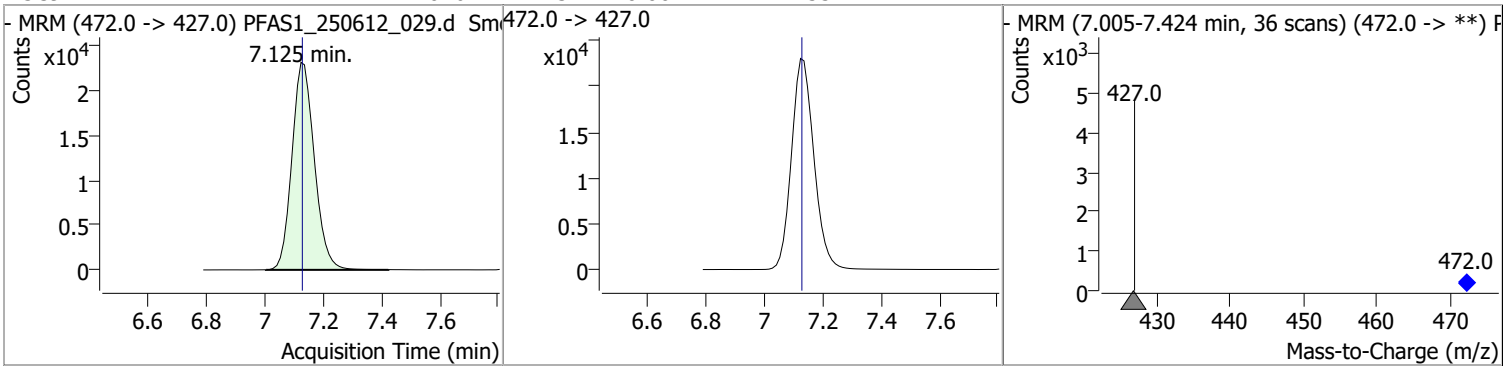
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.3331	6.80	0.00	25525	402.0 -> 99.0	51.5	34.1	63.3



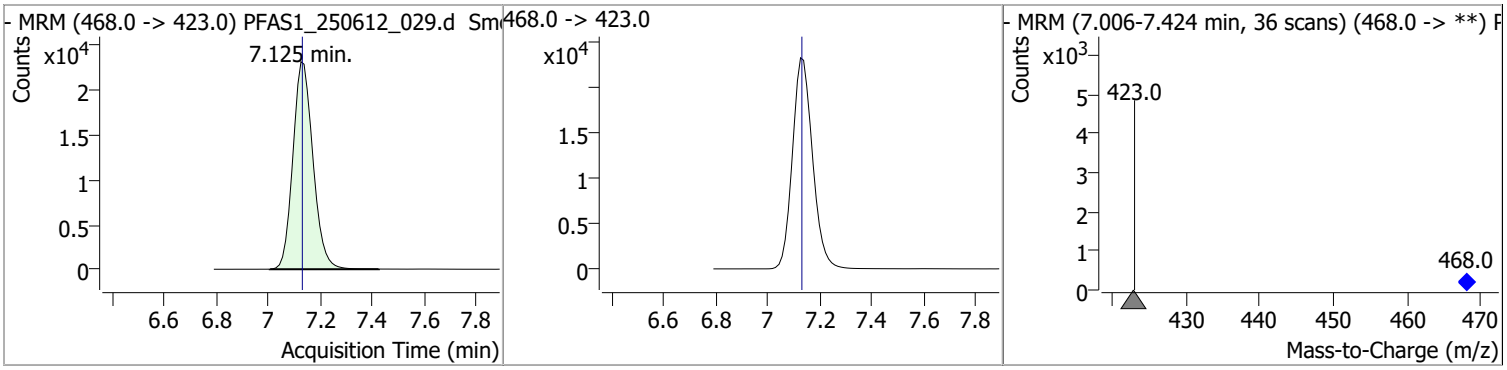
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0067	6.80	0.00	142	398.9 -> 99.0	71.7	34.6	64.2



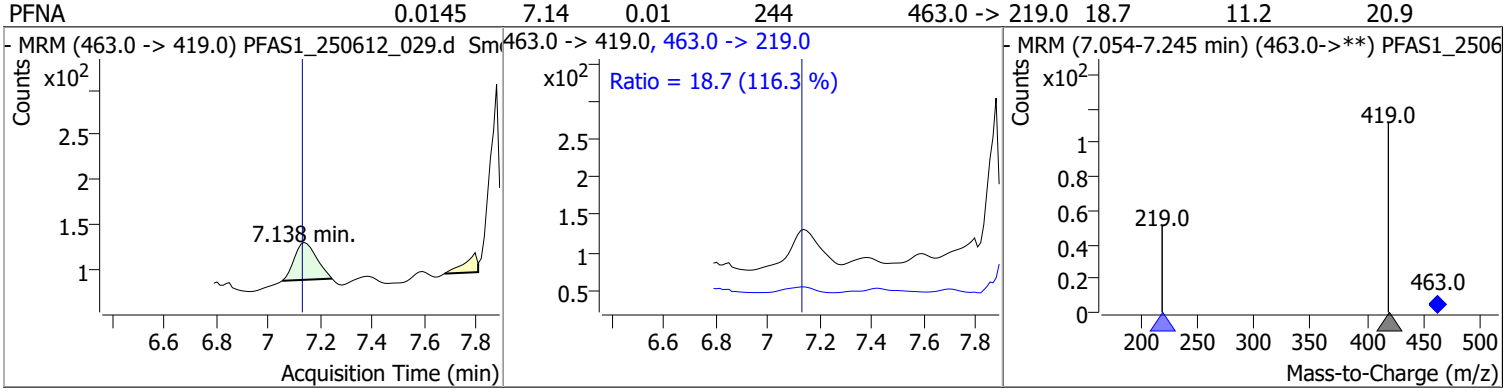
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2026	7.13	0.00	122455				



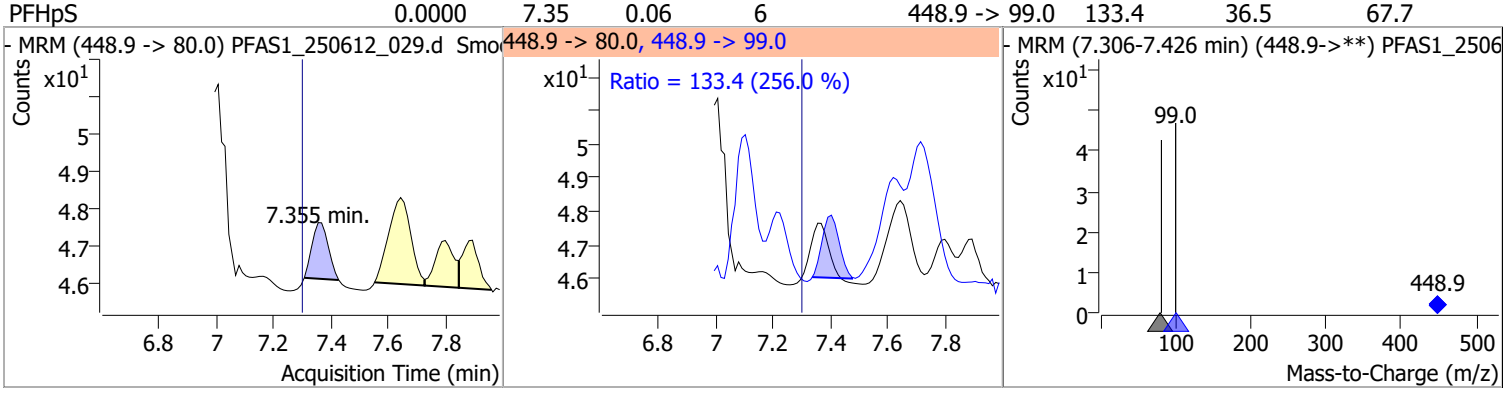
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	124184				



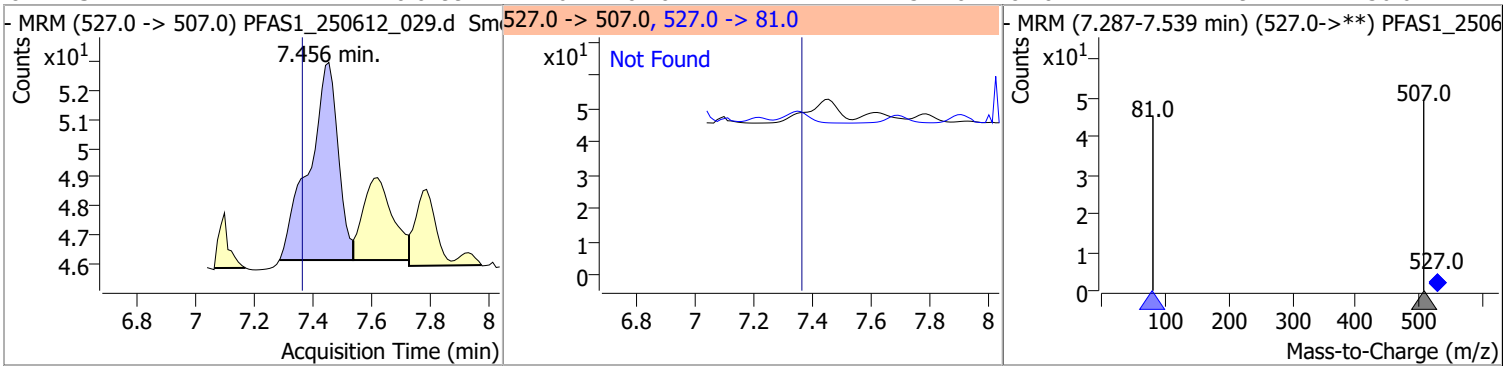
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0145	7.14	0.01	244	463.0 -> 219.0	18.7	11.2	20.9



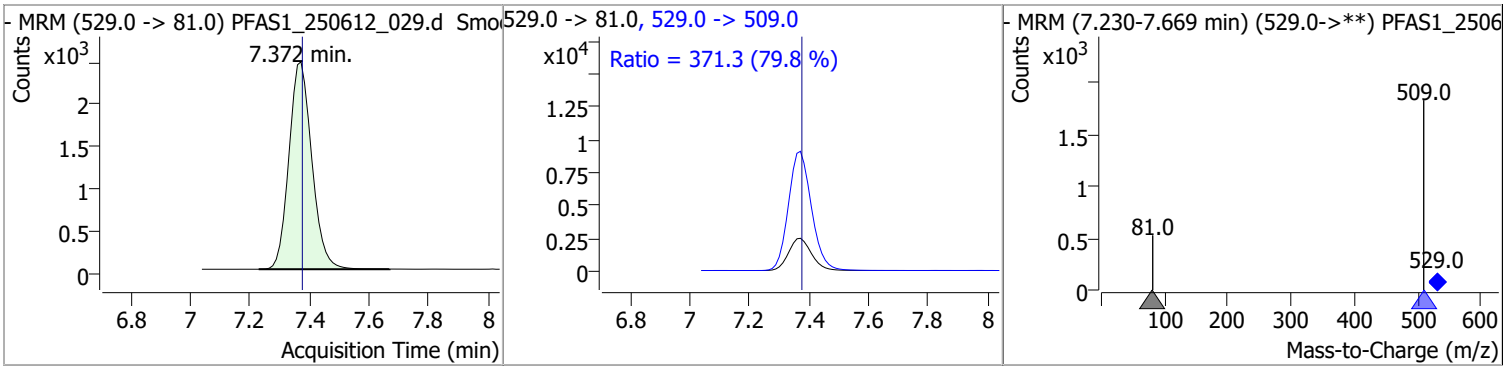
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0000	7.35	0.06	6	448.9 -> 99.0	133.4	36.5	67.7



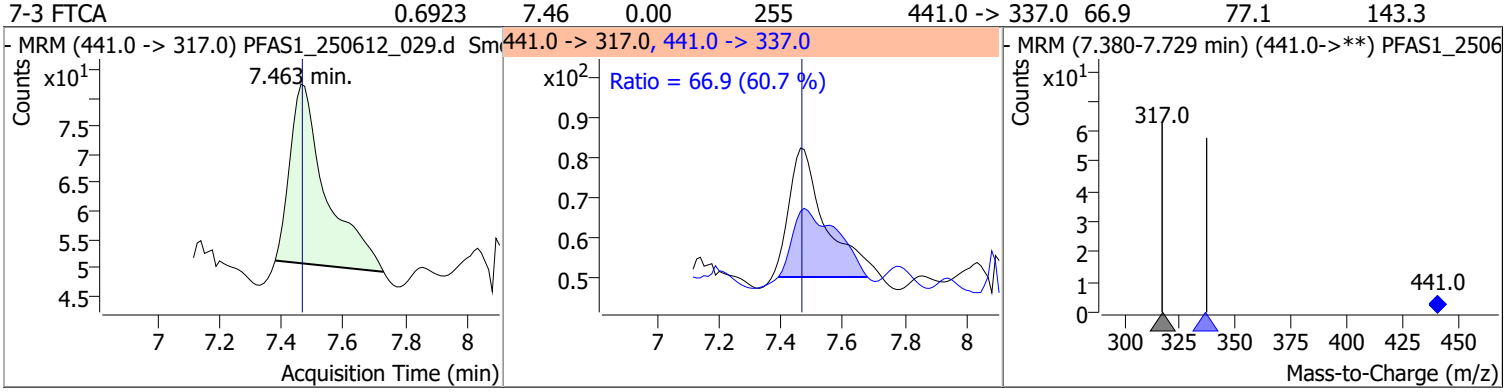
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0199	7.46	0.10	47	527.0 -> 81.0		19.7	36.6



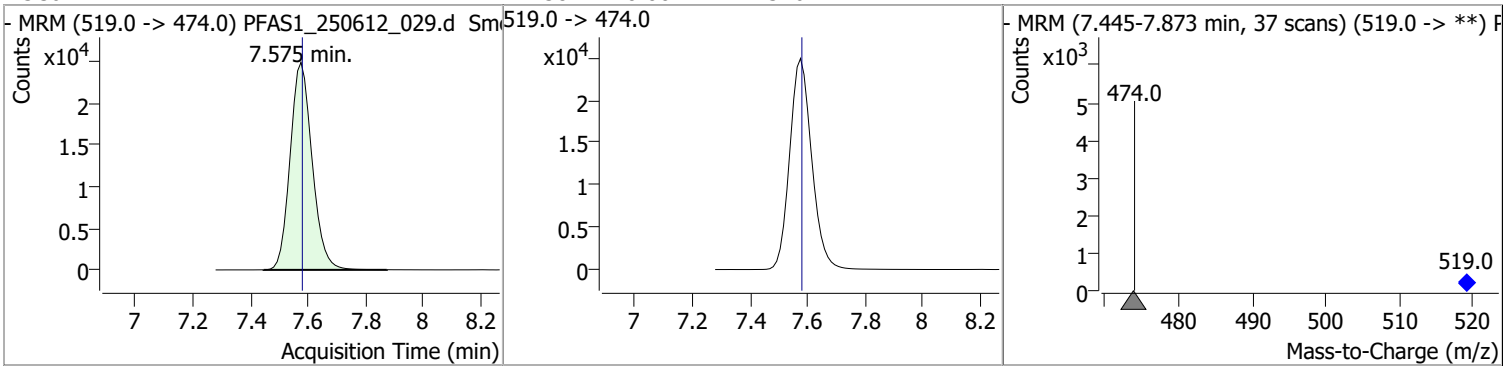
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2409	7.37	0.00	13076	529.0 -> 509.0	371.3	325.6	604.6



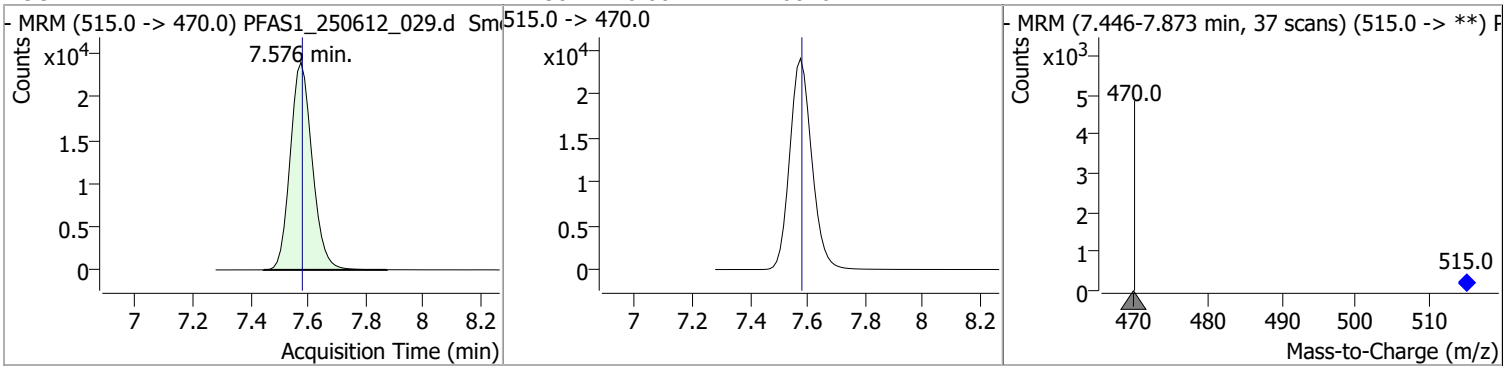
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.6923	7.46	0.00	255	441.0 -> 337.0	66.9	77.1	143.3



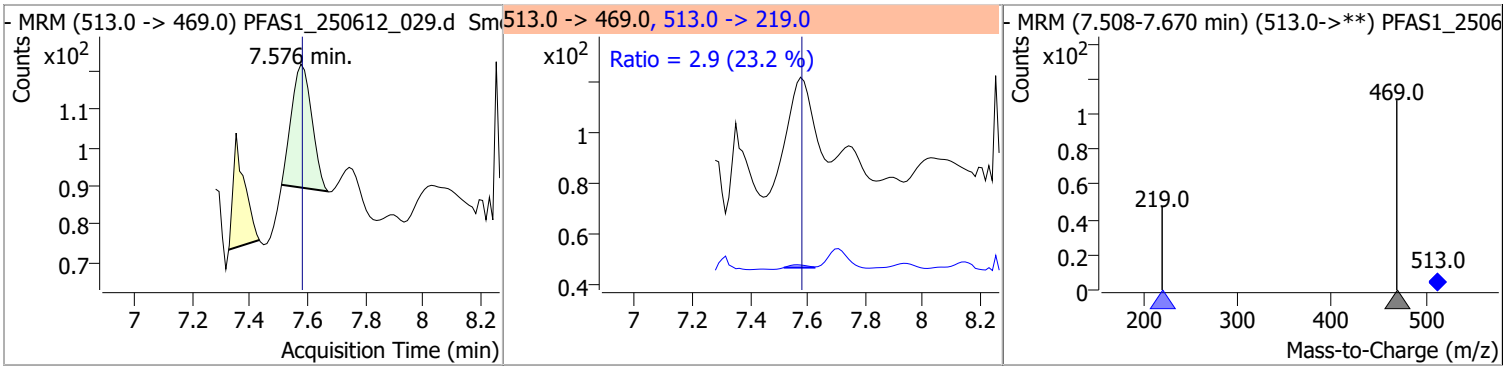
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2221	7.58	0.00	131621				



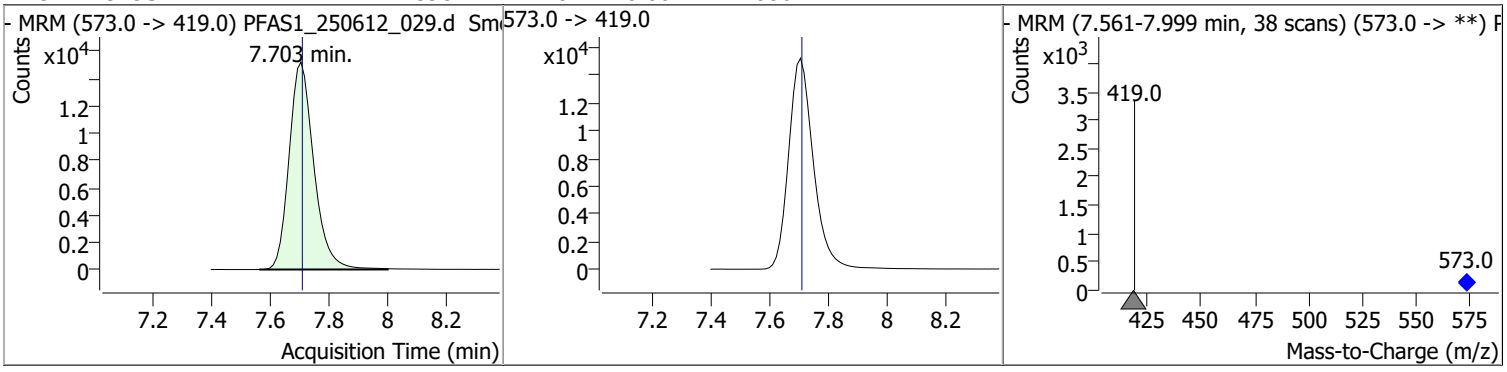
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	126826				



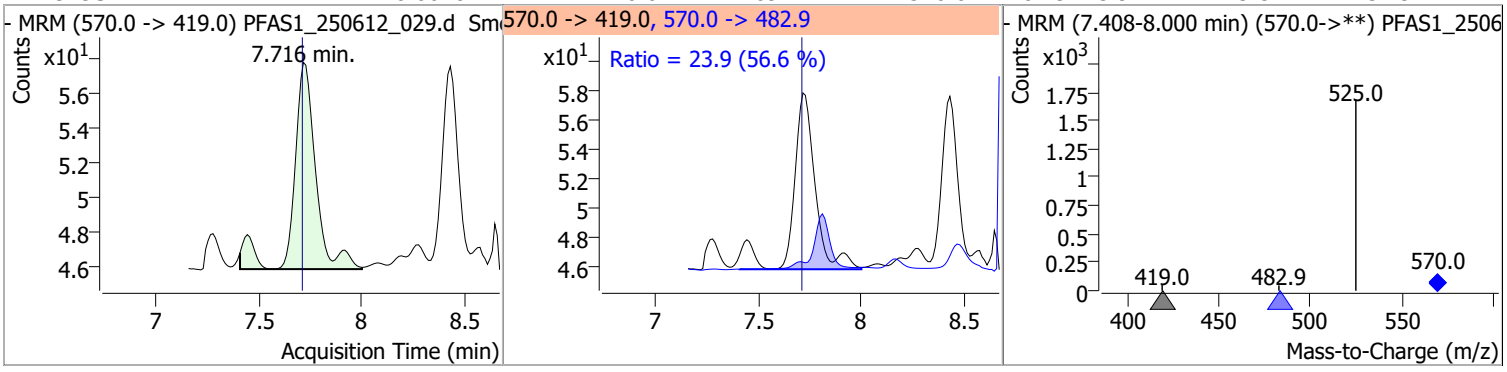
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0187	7.58	0.00	156	513.0 -> 219.0	2.9	8.7	16.2



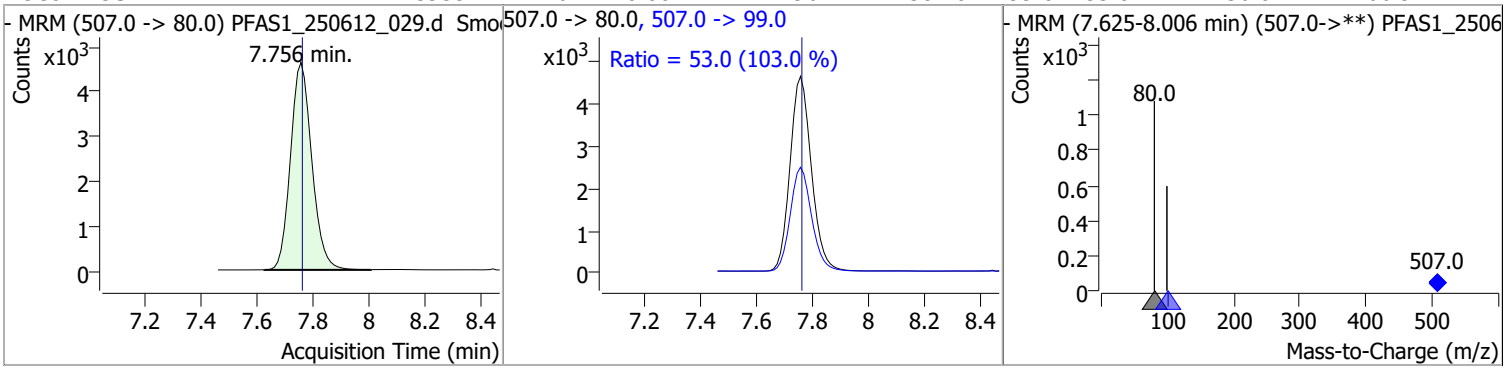
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.5984	7.70	0.00	88672				



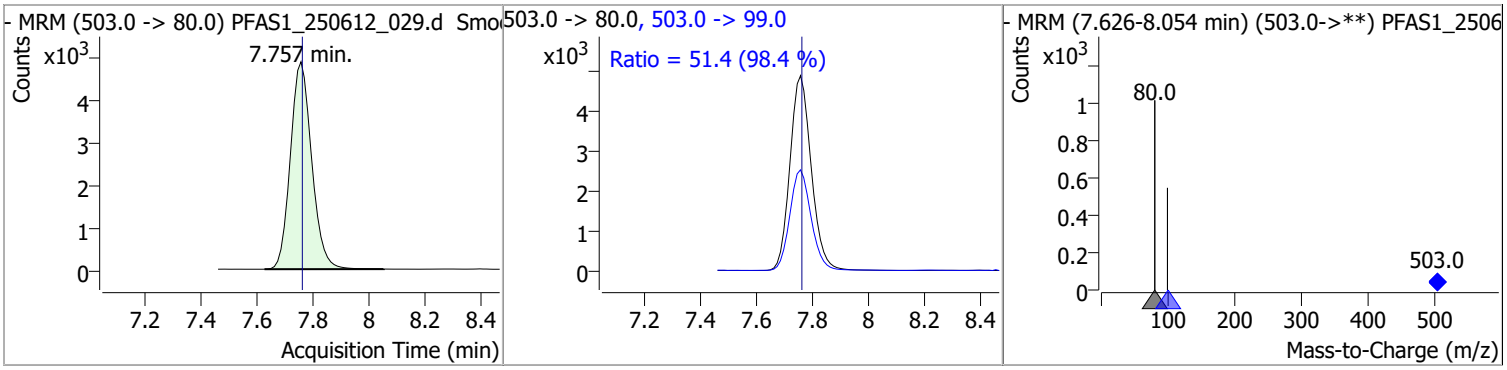
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0028	7.72	0.01	89	570.0 -> 482.9	23.9	29.5	54.9



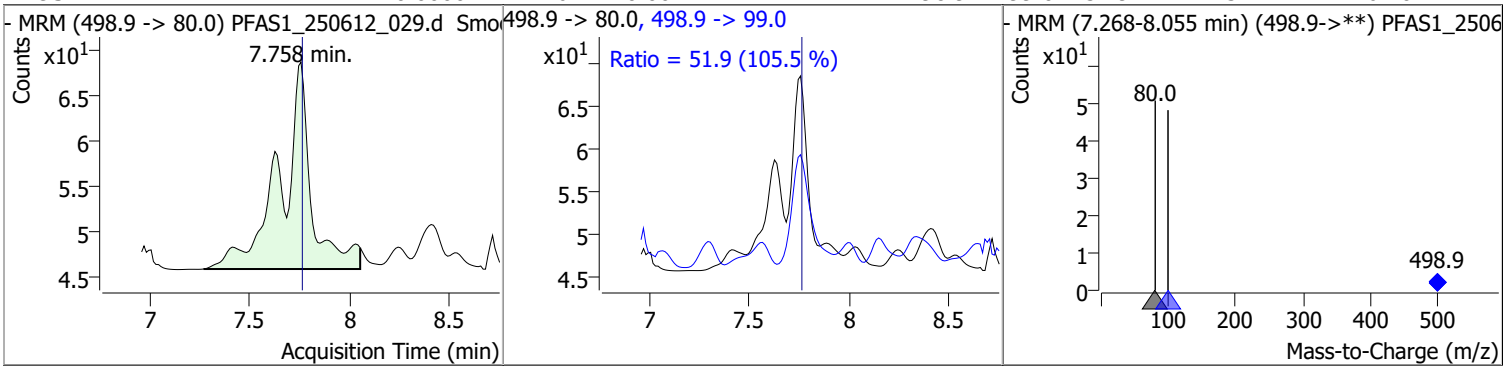
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.3935	7.76	0.00	24496	507.0 -> 99.0	53.0	36.0	66.9



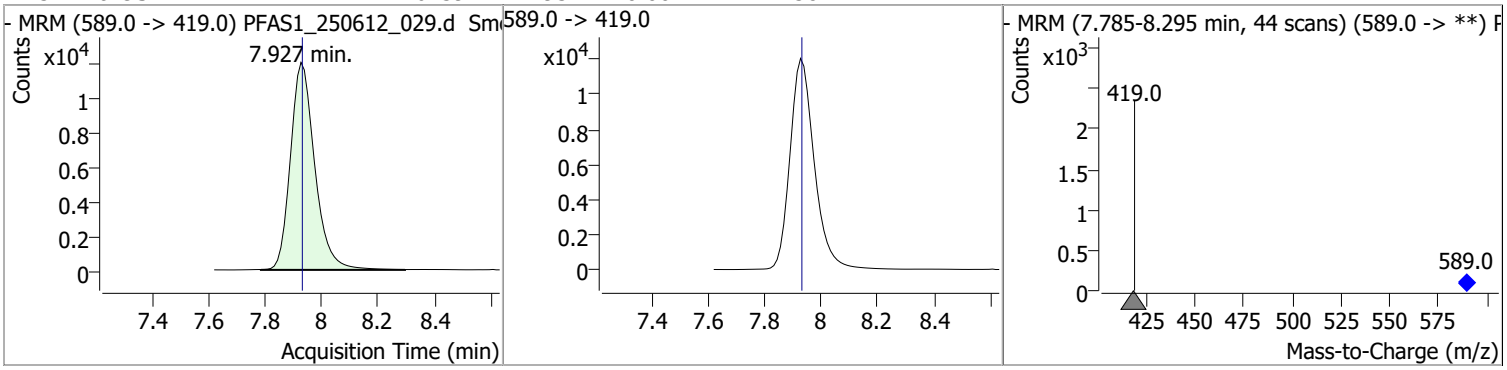
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25825	503.0 -> 99.0	51.4	36.6	67.9



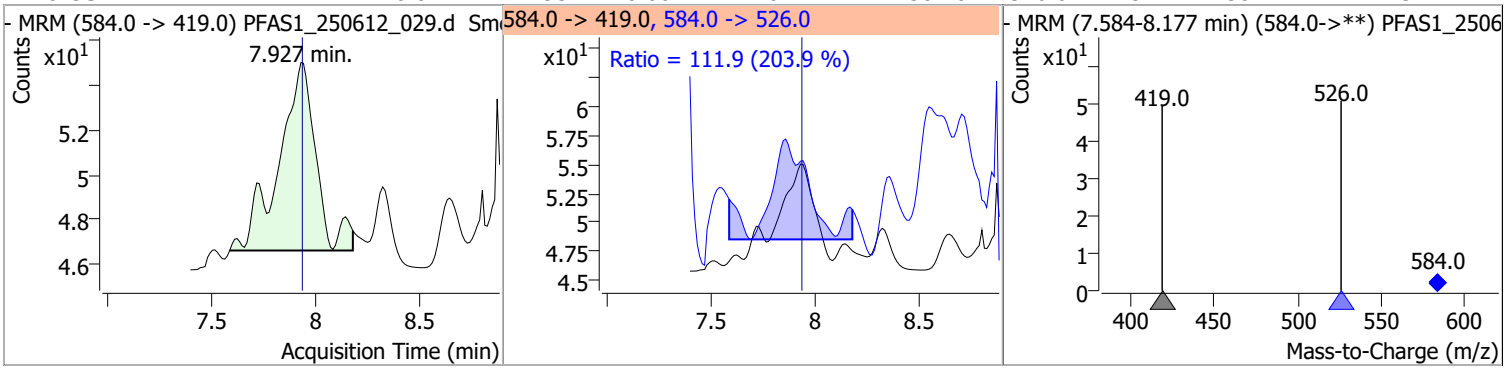
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0000	7.76	0.00	247	498.9 -> 99.0	51.9	34.4	64.0



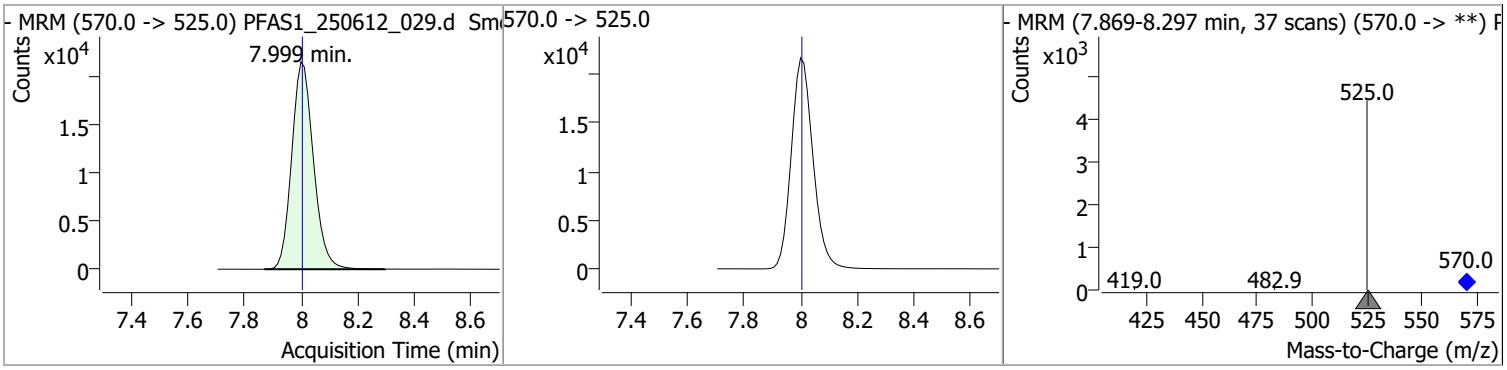
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.6439	7.93	0.00	71758				



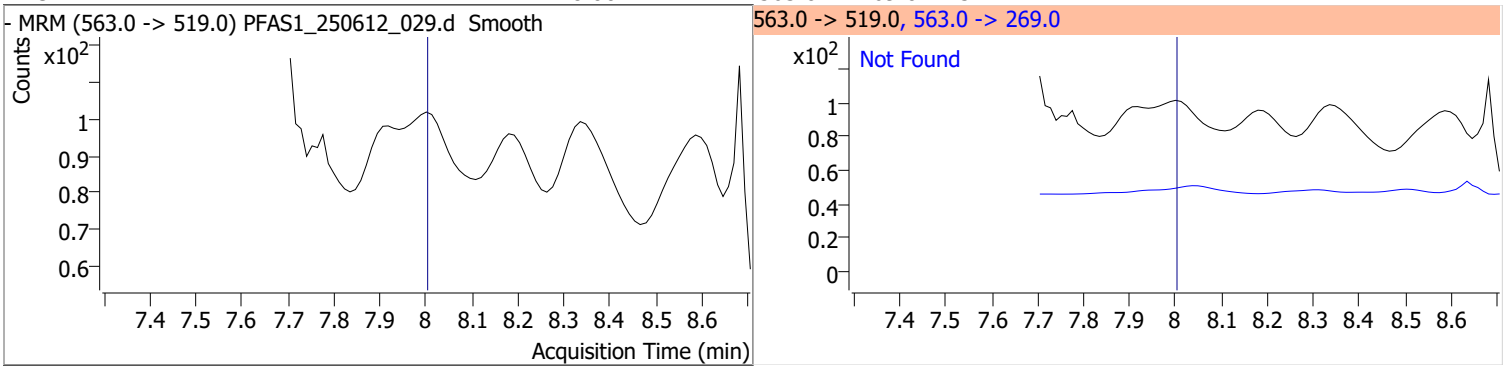
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0174	7.93	0.00	104	584.0 -> 526.0	111.9	38.4	71.3



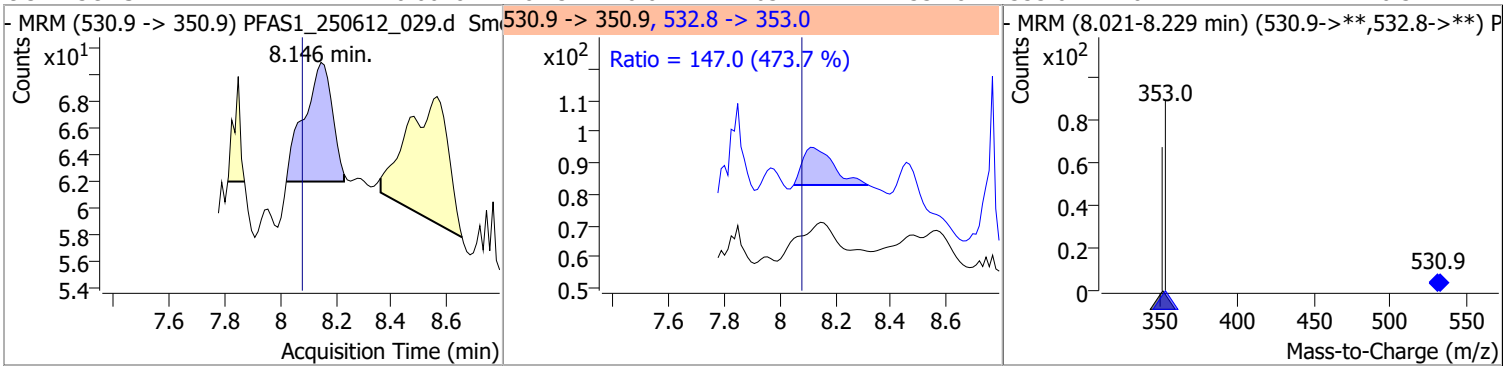
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2361	8.00	0.00	115592				



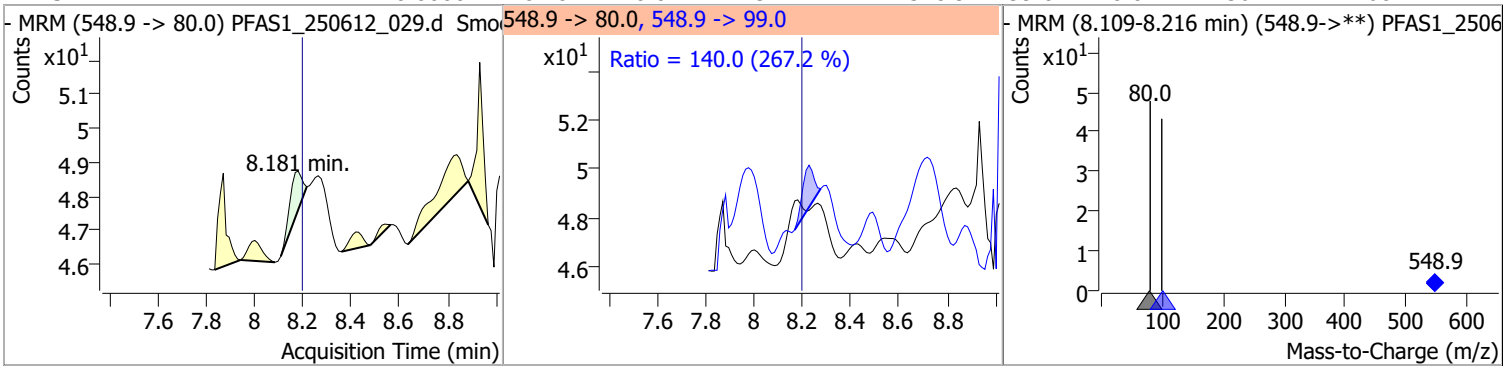
Compound	Conc.	Exp RT	QIon	Exp Ratio
PFUnDA	N.D.	8.00	563.0 -> 269.0	15.7



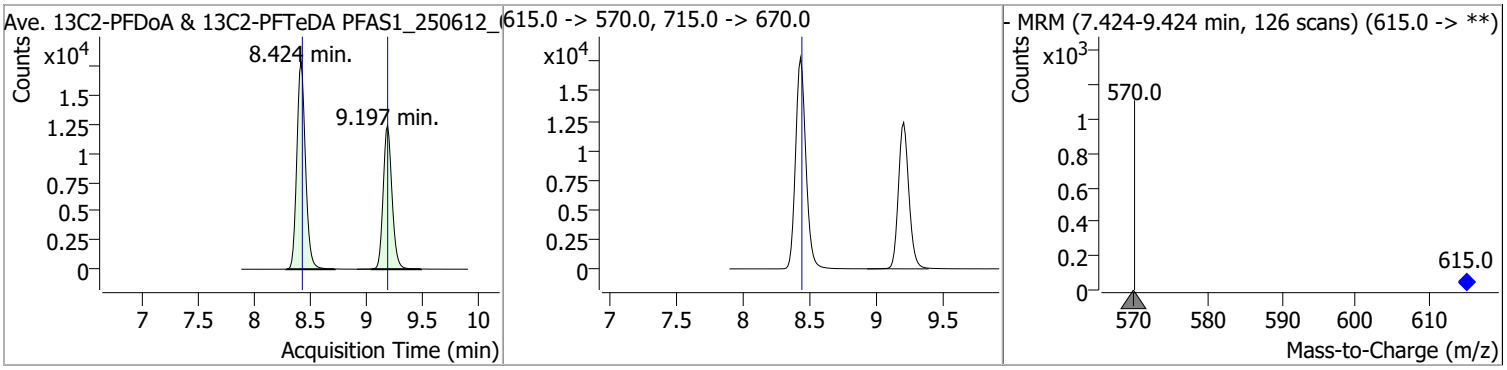
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0018	8.15	0.07	63	532.8 -> 353.0	147.0	21.7	40.3



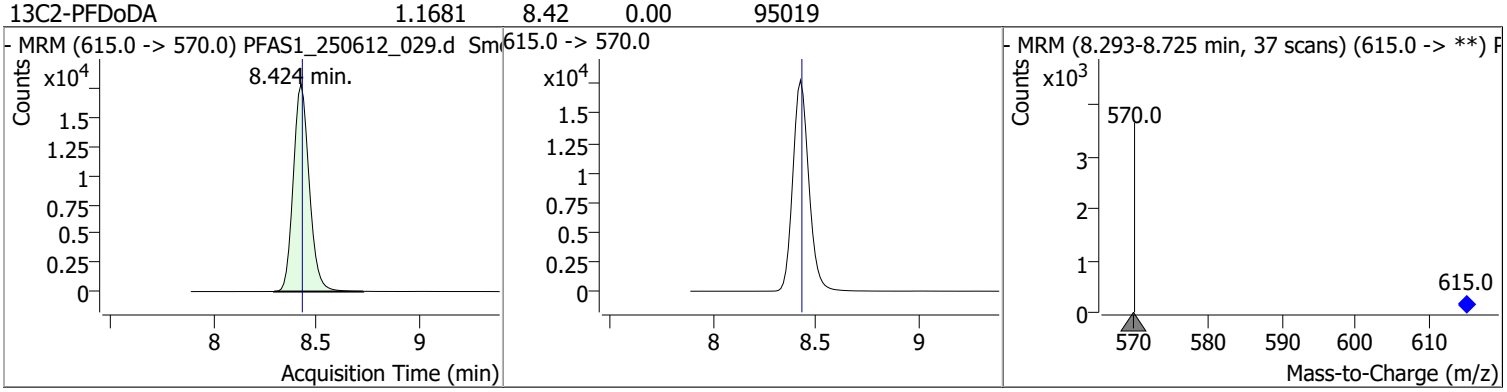
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.18	-0.01	5	548.9 -> 99.0	140.0	36.7	68.1



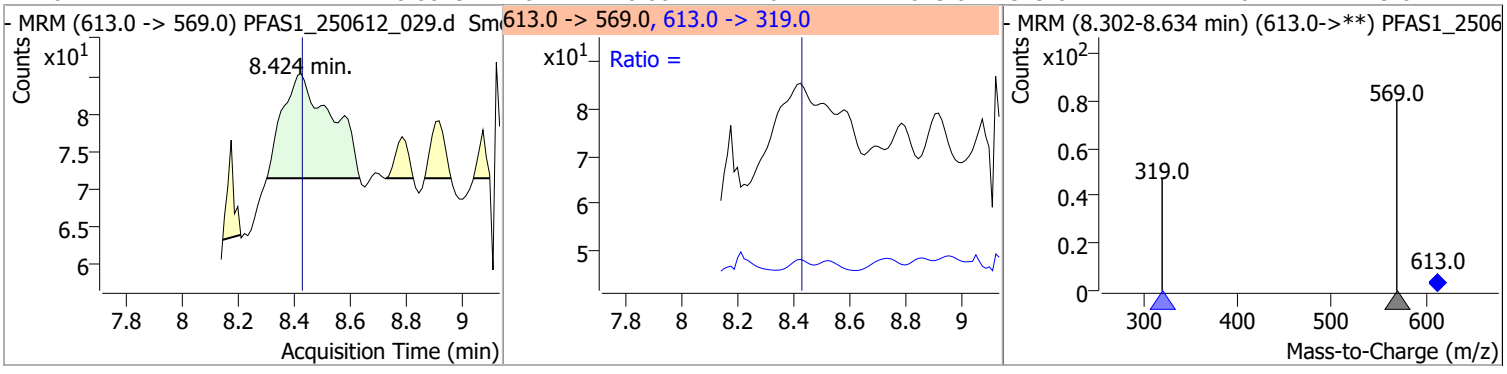
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.0107	8.81	0.39	81200				



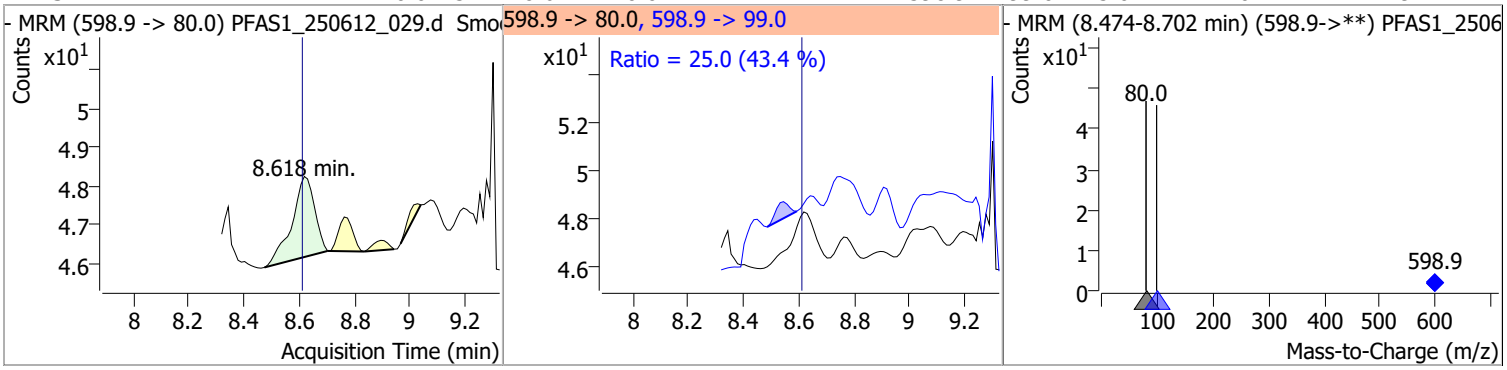
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.1681	8.42	0.00	95019				



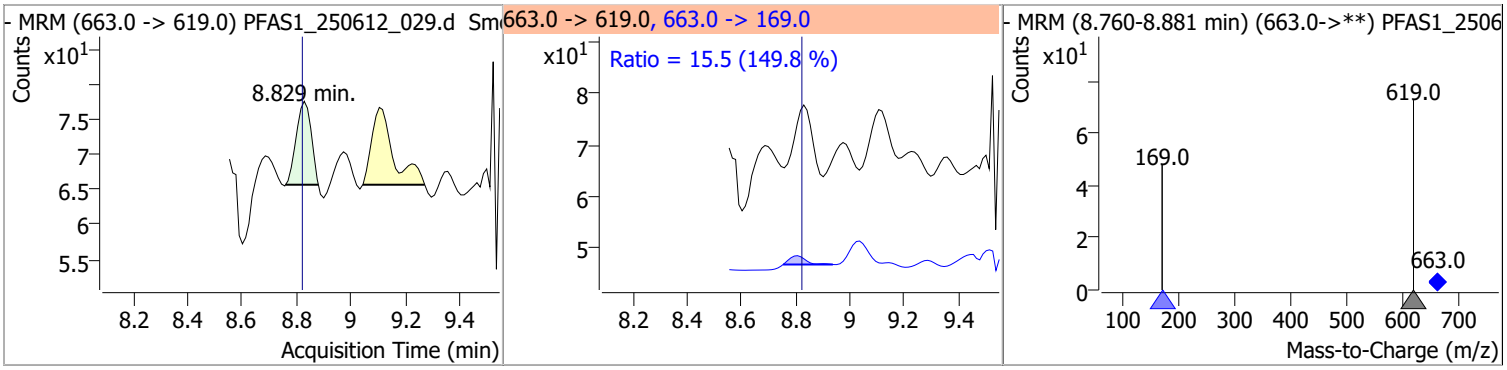
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0075	8.42	0.00	167	613.0 -> 319.0	10.2		19.0



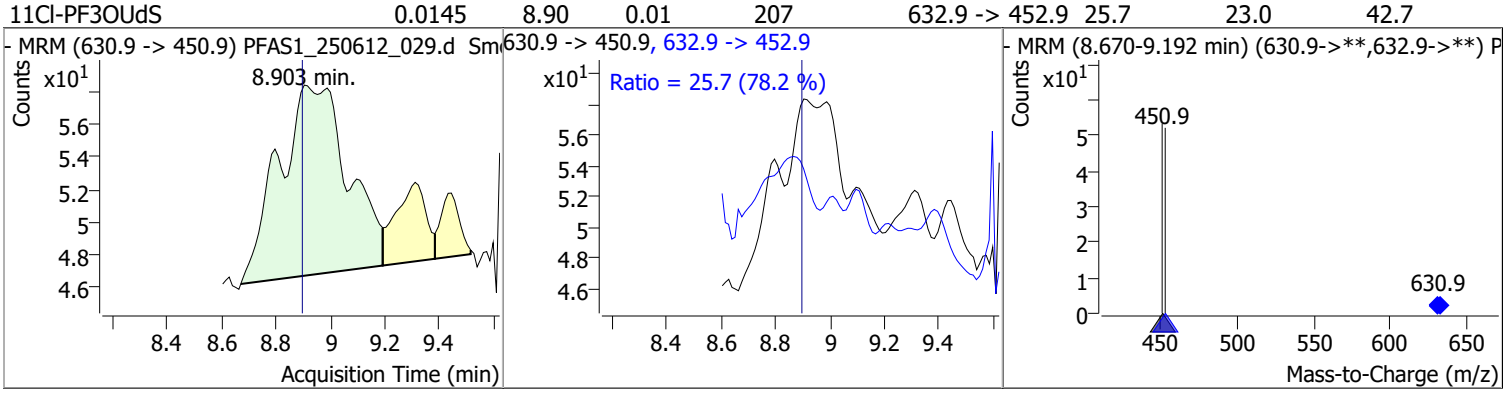
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0173	8.62	0.01	12	598.9 -> 99.0	25.0	40.4	74.9



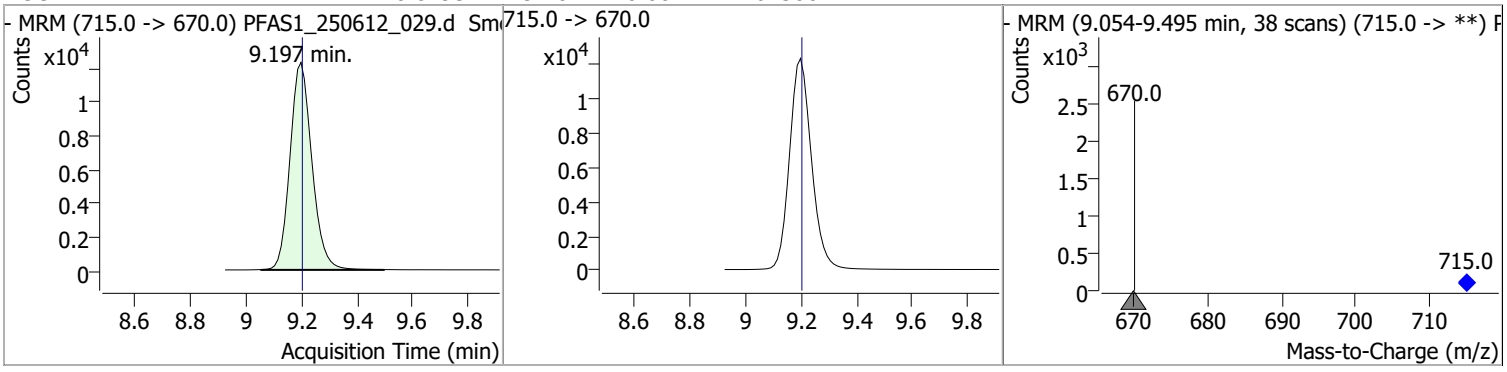
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0160	8.83	0.01	45	663.0 -> 169.0	15.5	7.2	13.4



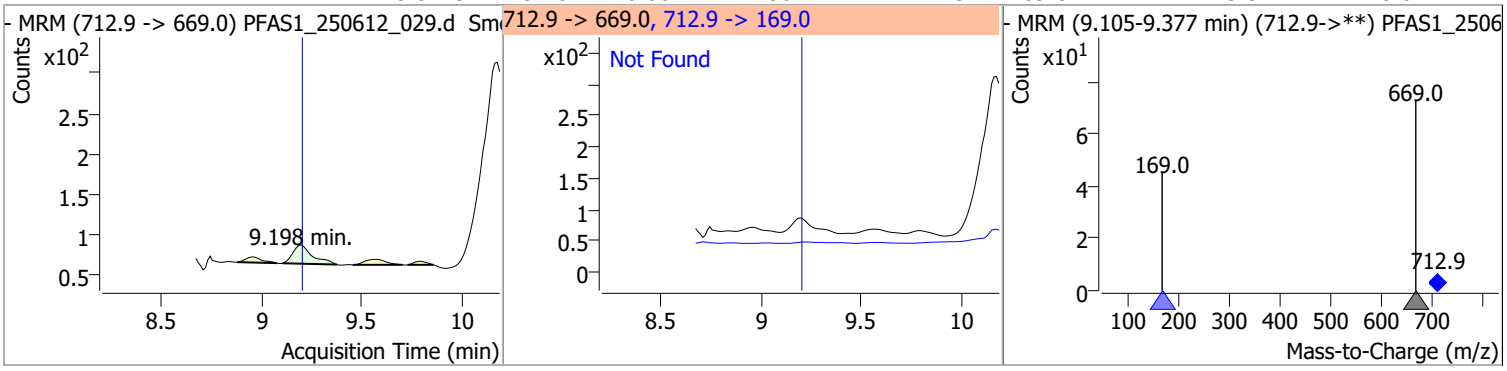
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0145	8.90	0.01	207	632.9 -> 452.9	25.7	23.0	42.7



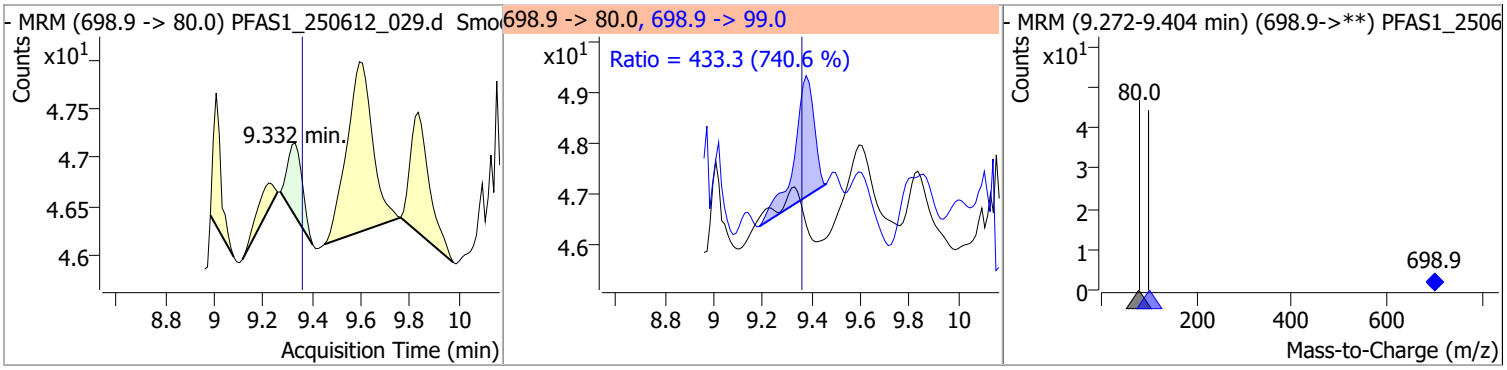
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	0.8493	9.20	0.00	67380				



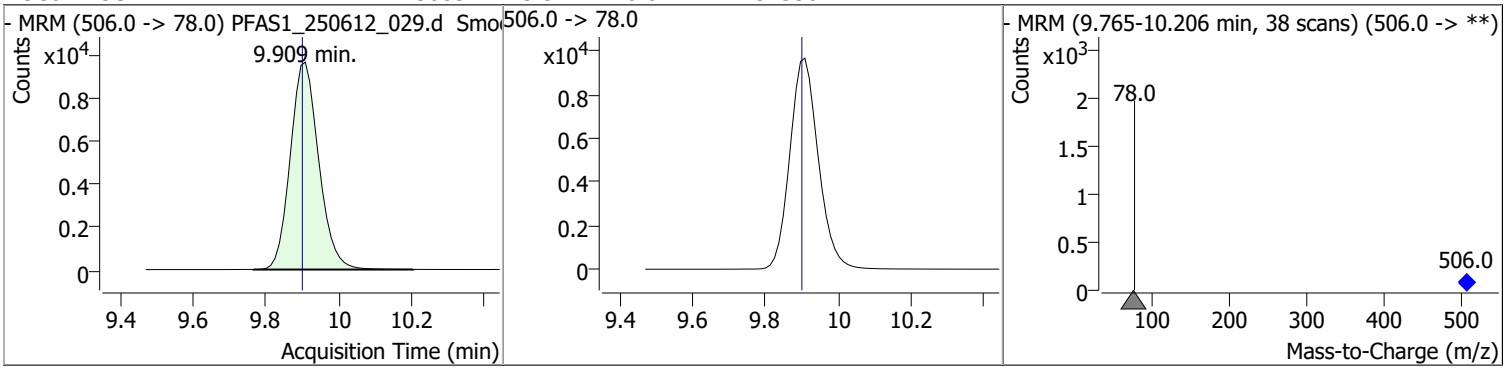
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0175	9.20	0.00	158	712.9 -> 169.0		5.8	10.8



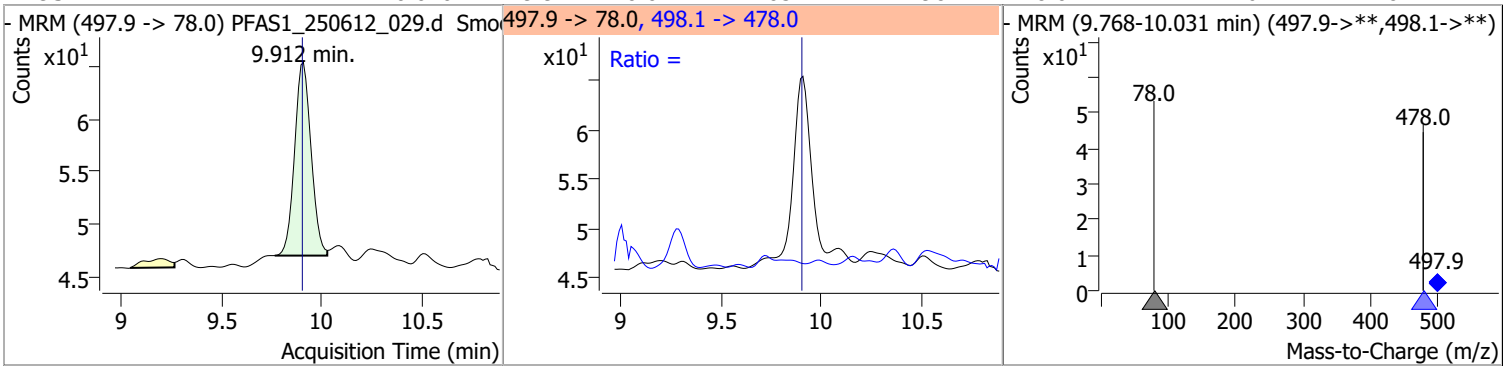
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0198	9.33	-0.02	3	698.9 -> 99.0	433.3	41.0	76.1



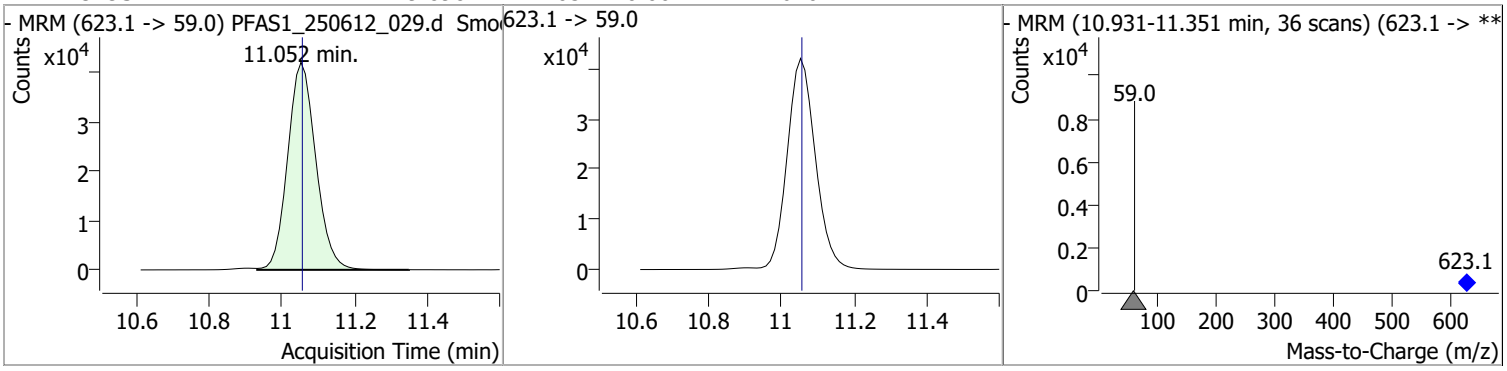
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3083	9.91	0.01	52350				



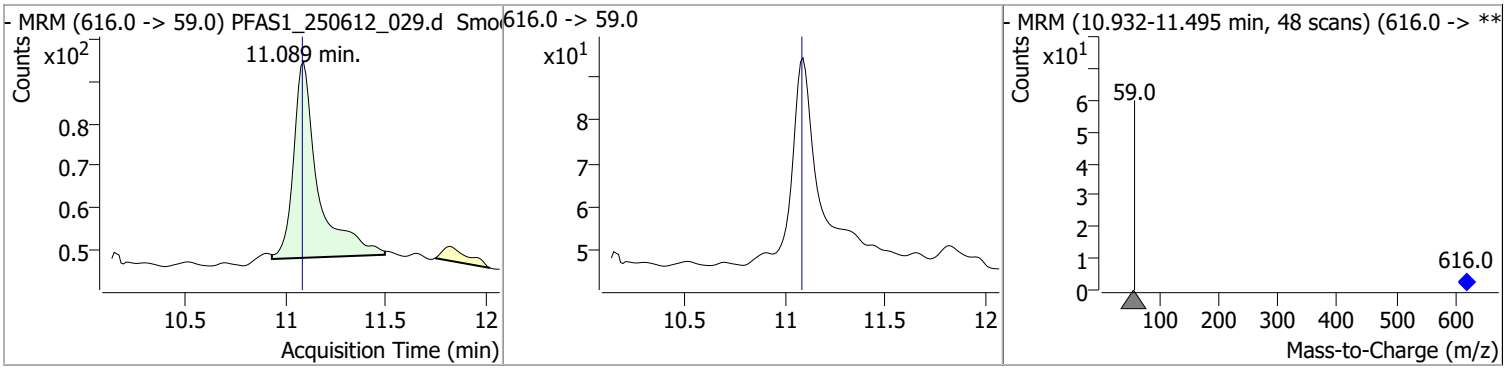
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0102	9.91	0.01	105	498.1 -> 478.0		2.6	4.8



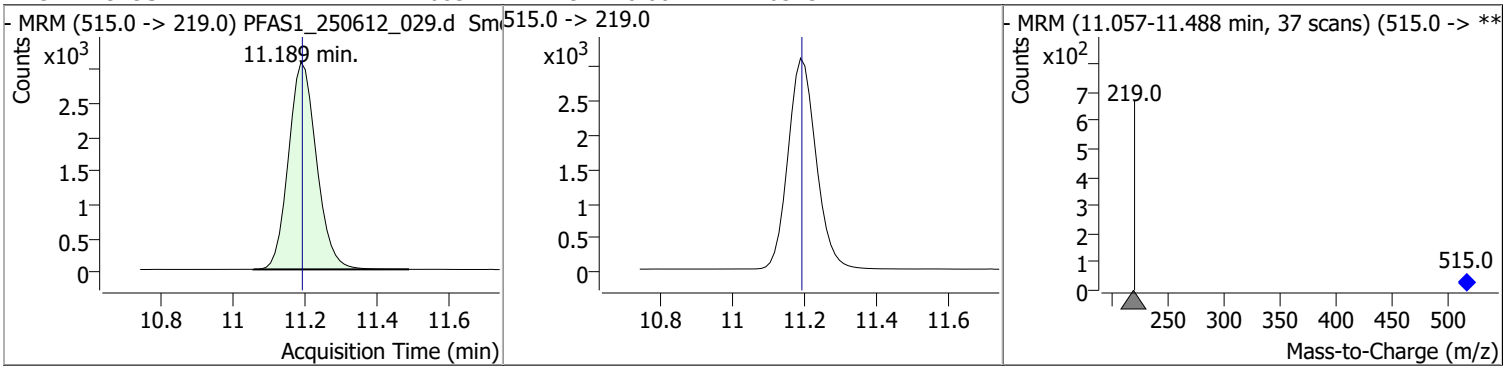
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	19.8982	11.05	0.00	226102				



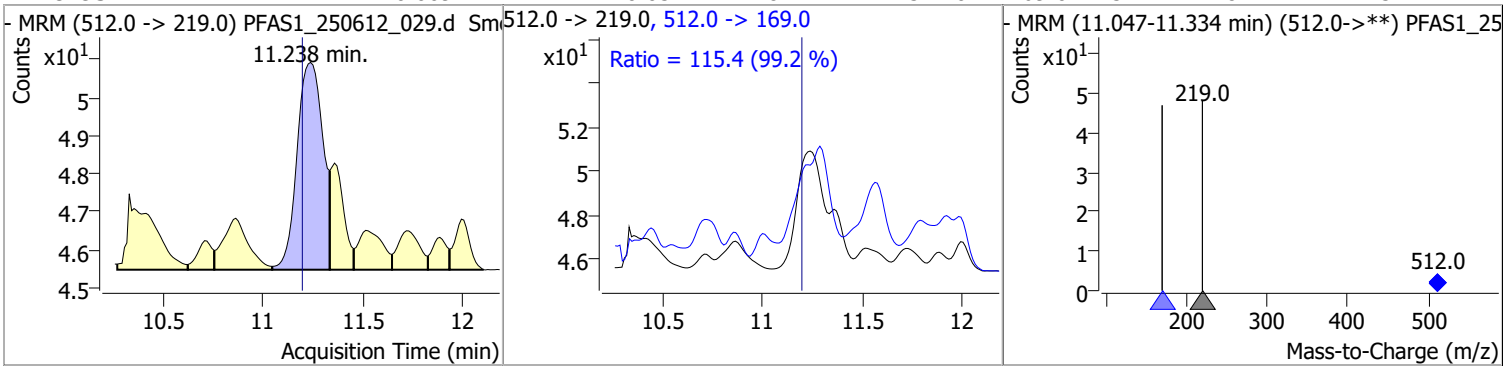
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0000	11.09	0.01	395				



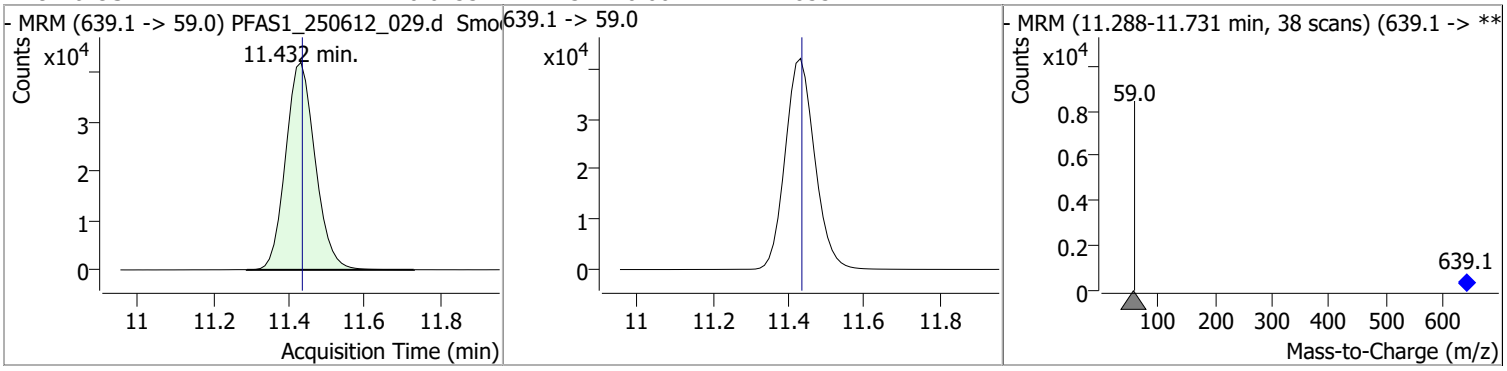
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.1683	11.19	0.00	16515				



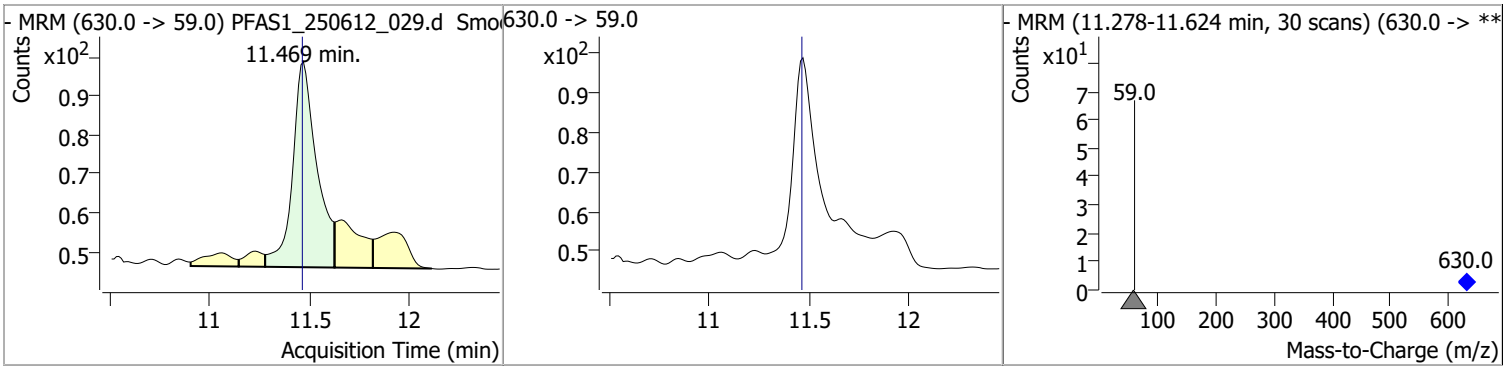
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0091	11.24	0.05	48	512.0 -> 169.0	115.4	81.4	151.2



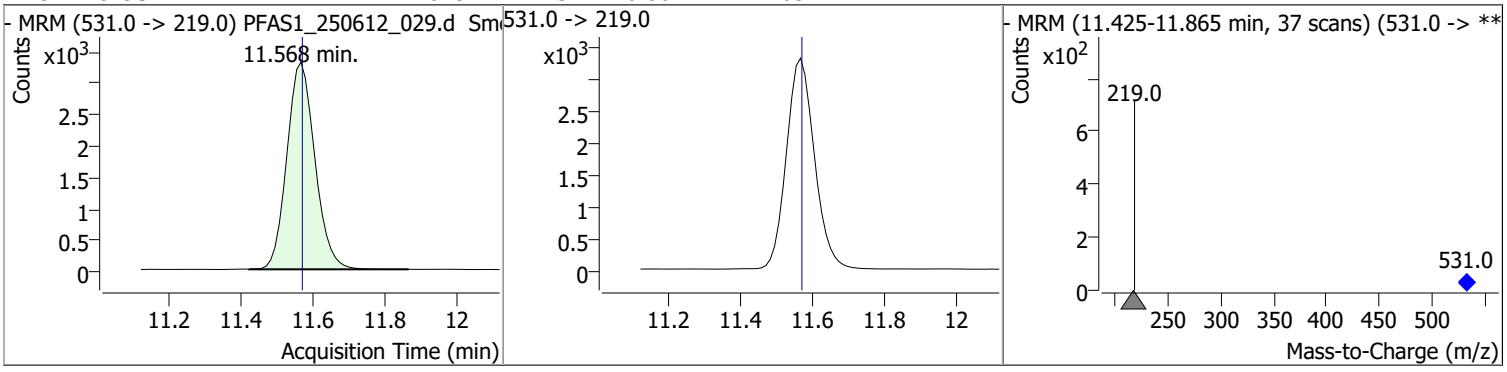
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	20.0453	11.43	0.00	227855				



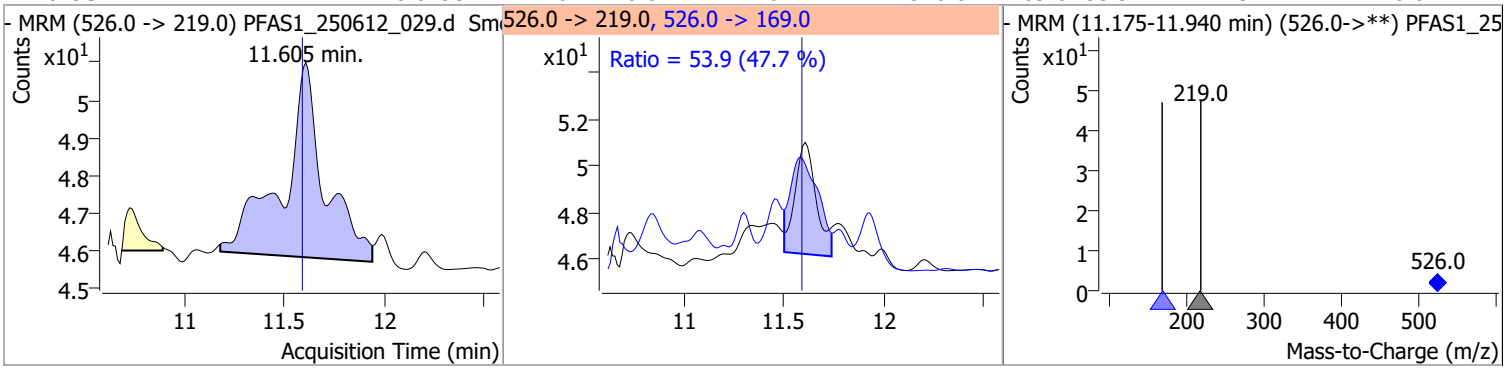
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.47	0.01	445				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.1075	11.57	0.00	17637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0295	11.61	0.02	76	526.0 -> 169.0	53.9	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_039.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:21:58 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

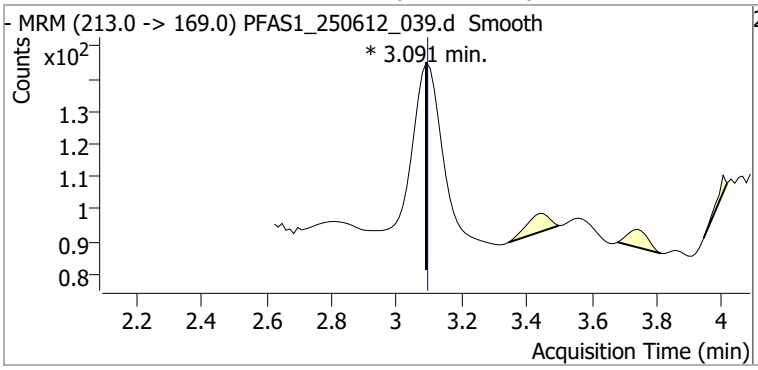
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	181987	5.0000	µg/L	15.052
13C2-PFHxA	5.479	315.0 -> 270.0	196038	2.5000	µg/L	9.717
18O2-PFHxS	6.796	403.0 -> 84.0	25522	2.5000	µg/L	8.601
13C4-PFOA	6.651	417.0 -> 172.0	22415	2.5000	µg/L	10.991
13C5-PFNA	7.125	468.0 -> 423.0	135097	1.2500	µg/L	12.884
13C2-PFDA	7.564	515.0 -> 470.0	134195	1.2500	µg/L	7.243
13C4-PFOS	7.745	503.0 -> 80.0	26975	2.5000	µg/L	8.049
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	422570	10.0000	µg/L	15.775
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C4-PFBA	3.095	217.0 -> 172.0	422570	10.0000	µg/L	15.775
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C5-PFPeA	4.594	268.0 -> 223.0	302181	5.0000	µg/L	12.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.13%		
13C5-PFPeA	4.594	268.0 -> 223.0	302181	5.0000	µg/L	12.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.13%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20556	5.0000	µg/L	27.562
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.07%		
13C5-PFHxA	5.478	318.0 -> 273.0	205495	2.5000	µg/L	11.682
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.77%		
13C5-PFHxA	5.478	318.0 -> 273.0	205495	2.5000	µg/L	11.682
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.77%		
13C3-PFBS	5.494	302.0 -> 80.0	49262	2.5000	µg/L	15.565
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.63%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	244863	10.0000	µg/L	10.362
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.55%		
13C4-PFHpA	6.130	367.0 -> 322.0	234910	2.5000	µg/L	10.184
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.38%		
13C3-PFHxS	6.797	402.0 -> 80.0	29601	2.5000	µg/L	9.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14229	5.0000	µg/L	26.176
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.63%		
13C8-PFOA	6.650	421.0 -> 376.0	253726	2.5000	µg/L	12.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.11%		
13C3-PFHxS	6.797	402.0 -> 80.0	29601	2.5000	µg/L	9.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%		
13C9-PFNA	7.125	472.0 -> 427.0	141153	1.2500	µg/L	15.038
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.94%		
13C8-PFOS	7.744	507.0 -> 80.0	27513	2.5000	µg/L	11.190
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14990	5.0000	µg/L	21.788
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.21%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14990	5.0000	µg/L	21.788
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.21%		
13C6-PFDA	7.563	519.0 -> 474.0	153289	1.2500	µg/L	15.339

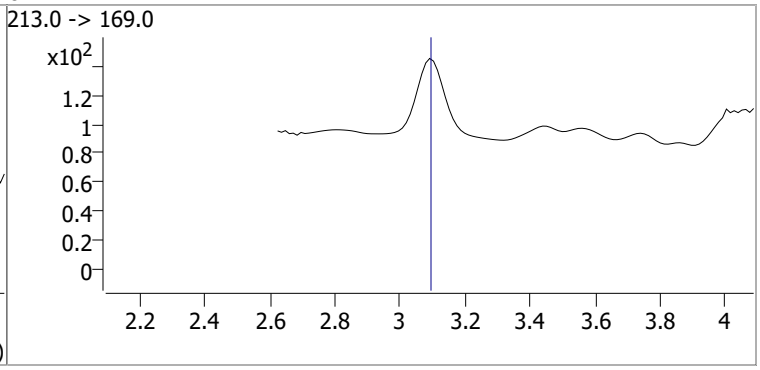
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.61%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	103967	5.0000	µg/L		11.864
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.24%			
13C8-PFOS	7.744	507.0 -> 80.0	27513	2.5000	µg/L		11.190
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%			
2H5-N-EtFOSAA	7.915	589.0 -> 419.0	82471	5.0000	µg/L		10.639
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.19%			
13C7-PFUnDA	7.999	570.0 -> 525.0	128457	1.2500	µg/L		11.350
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.86%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	107167	1.2500	µg/L		8.246
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.85%			
13C2-PFDoDA	8.412	615.0 -> 570.0	108108	1.2500	µg/L		7.838
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.48%			
13C2-PFTDA	9.185	715.0 -> 670.0	106226	1.2500	µg/L		8.664
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.24%			
13C8-PFOSA	9.897	506.0 -> 78.0	60970	2.5000	µg/L		11.473
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%			
2H7-MeFOSE	11.052	623.1 -> 59.0	283116	25.0000	µg/L		3.060
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.41%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	19049	2.5000	µg/L		3.788
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.77%			
2H9-EtFOSE	11.432	639.1 -> 59.0	277543	25.0000	µg/L		1.007
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 93.50%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21424	2.5000	µg/L		6.077
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.03%			
Target Compounds							QValue
PFBA	3.091	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.794	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.018	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.596	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.239	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.378	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.483	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.736	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.860	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.132	341.0 -> 237.0	335	0.6972	µg/L		93
PFHpA	6.154	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.252	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.333	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.651	413.0 -> 369.0	638	0.0164	µg/L		94
PFHxS	6.798	398.9 -> 80.0	135	0.0043	µg/L		94
PFNA	7.126	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.283	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	0.000		0	N.D.			
7-3 FTCA	7.463	441.0 -> 317.0	440	0.7118	µg/L		80
PFDA	7.564	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.692	570.0 -> 419.0	133	0.0044	µg/L		92
PFOS	7.746	498.9 -> 80.0	412	0.0056	µg/L		94
N-EtFOSAA	7.951	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	8.012	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.062	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.169	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.412	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.618	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.805	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.879	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.186	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.392	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.065	616.0 -> 59.0	1083	0.0248	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	1096	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	0	0.0000	µg/L	md	

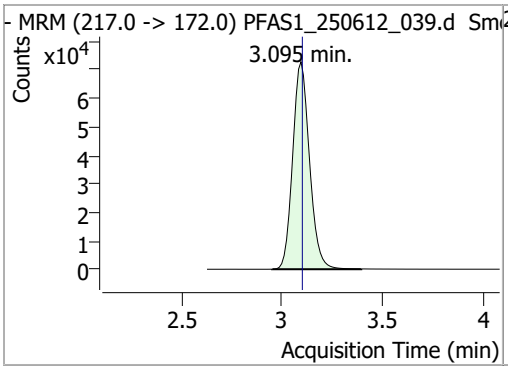
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

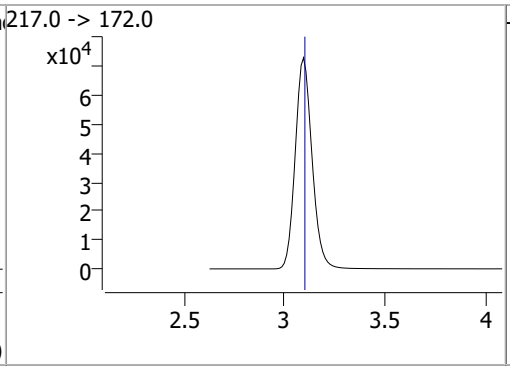
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

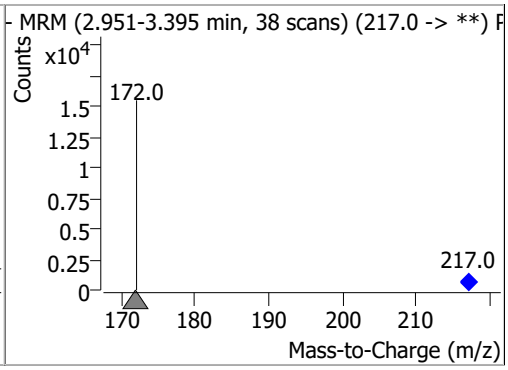




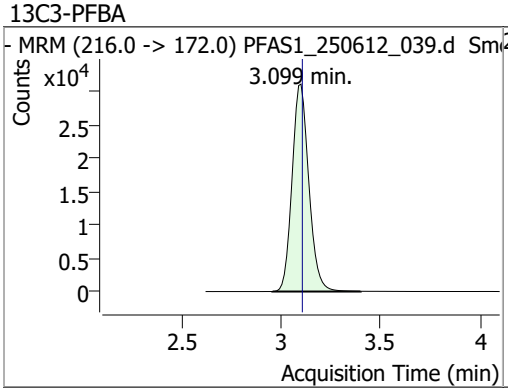
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0570	3.09	0.00	422570				

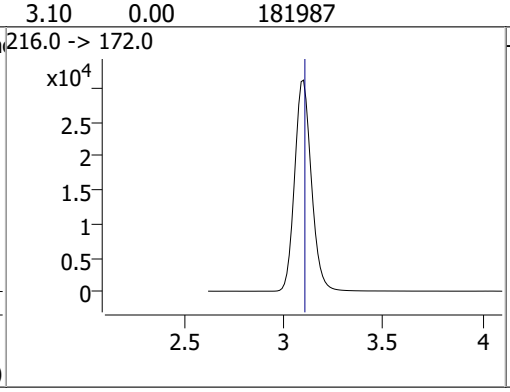


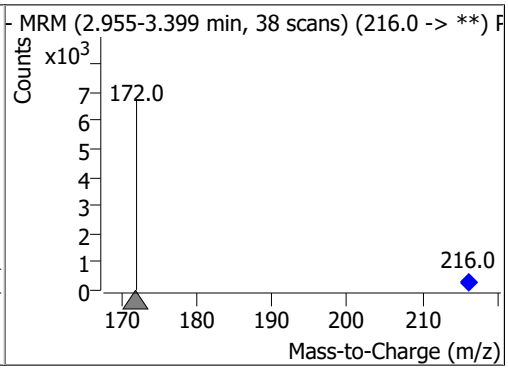




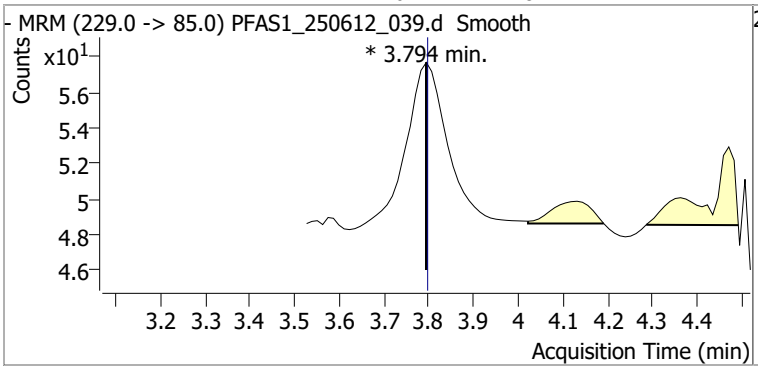
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	181987				

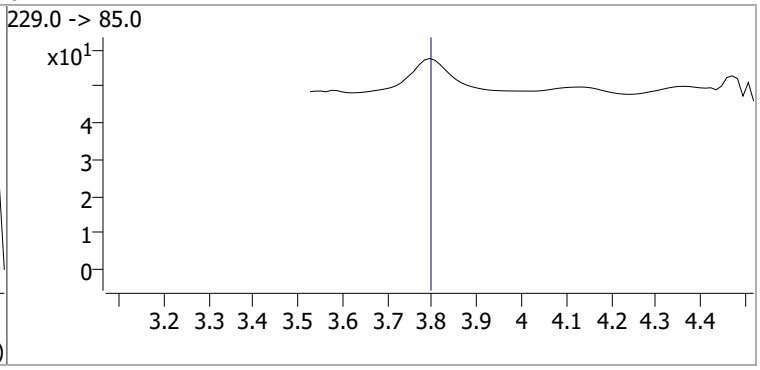




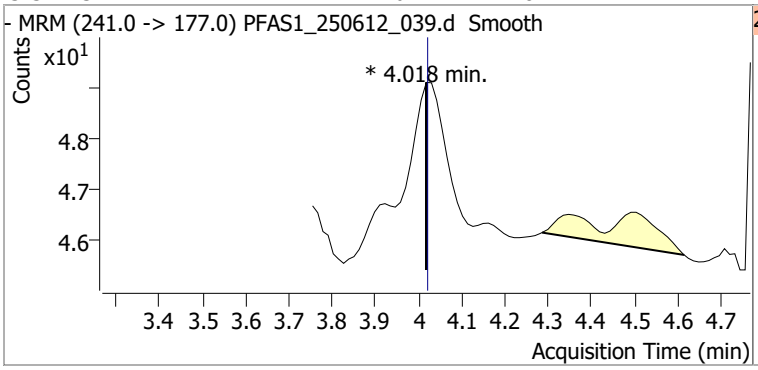


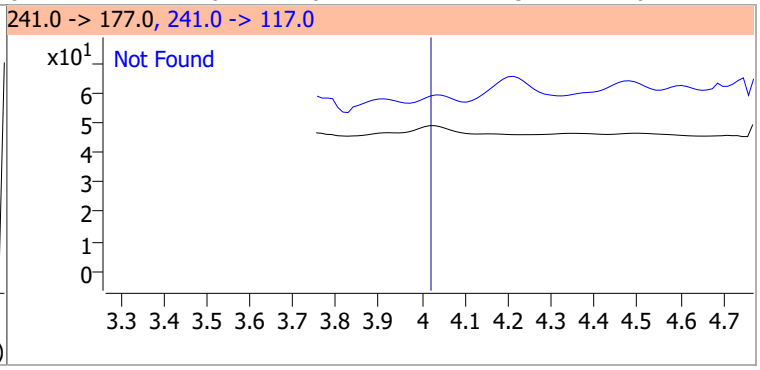
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



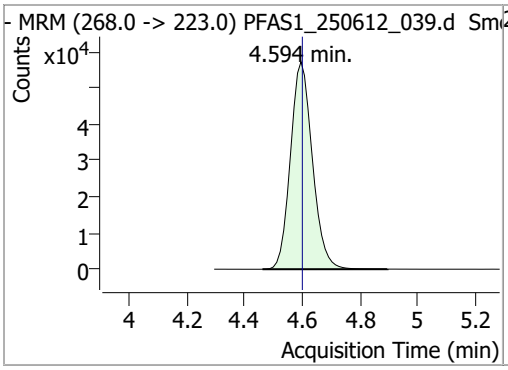


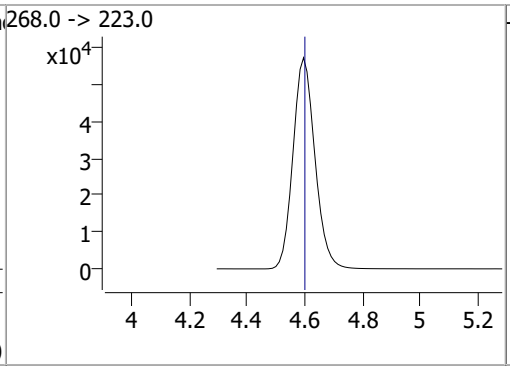
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

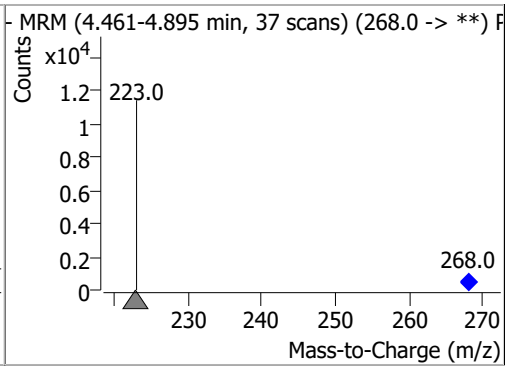




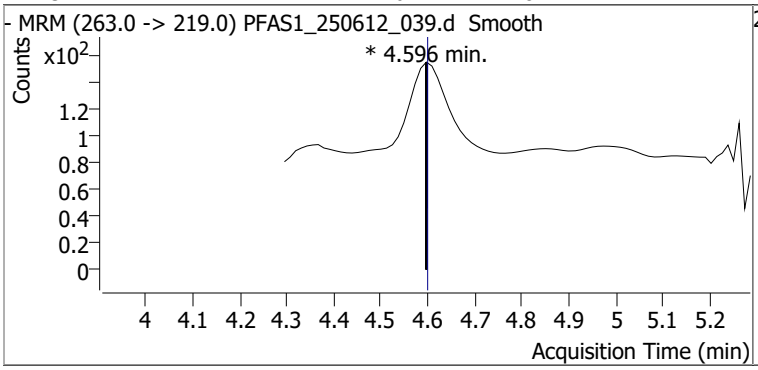
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1065	4.59	0.00	302181				

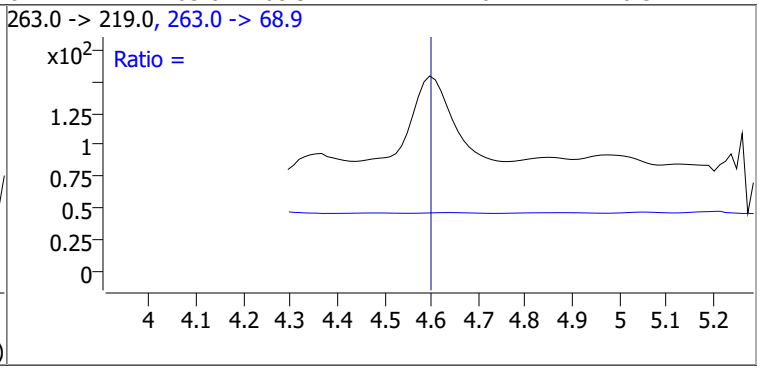




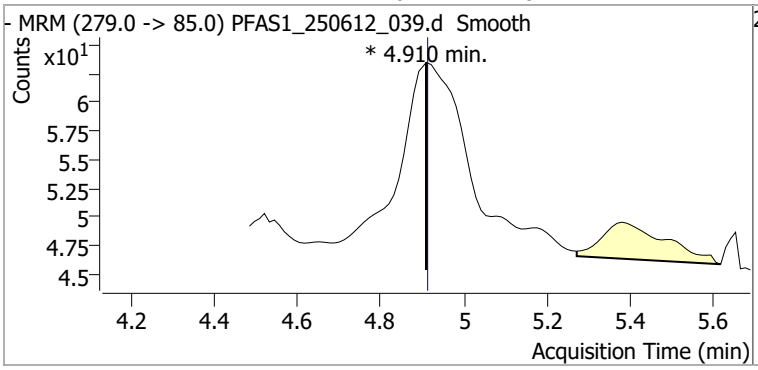


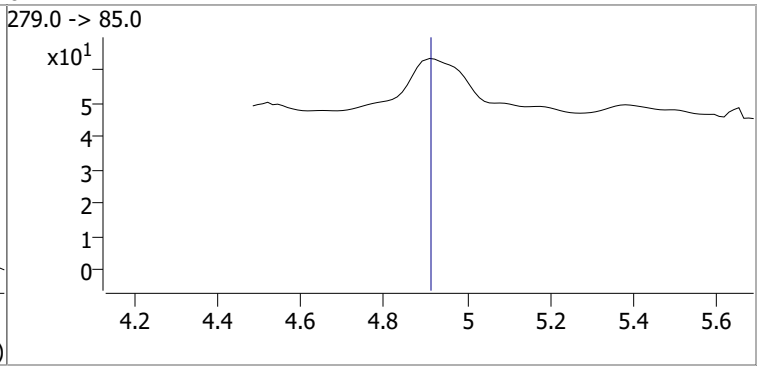
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



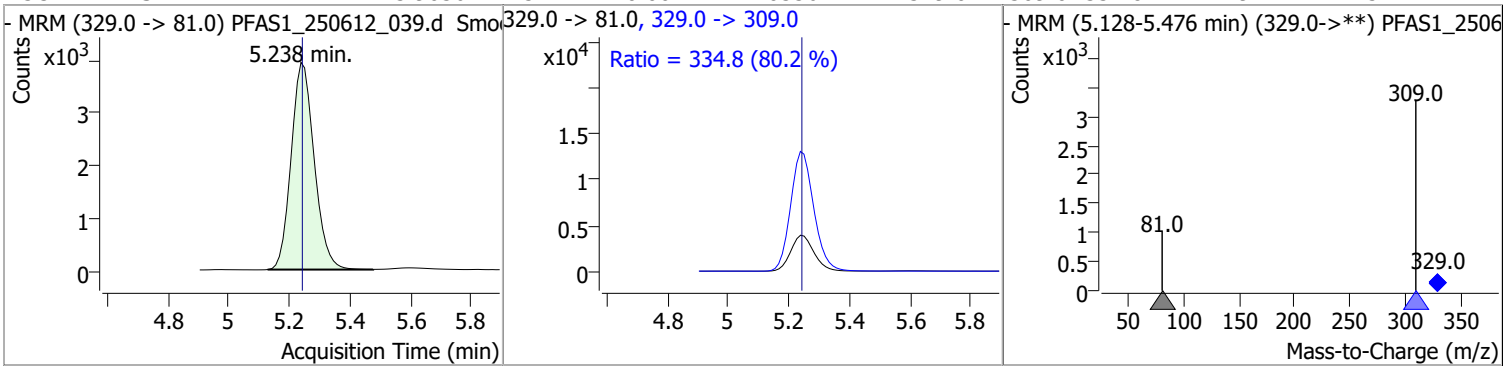


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

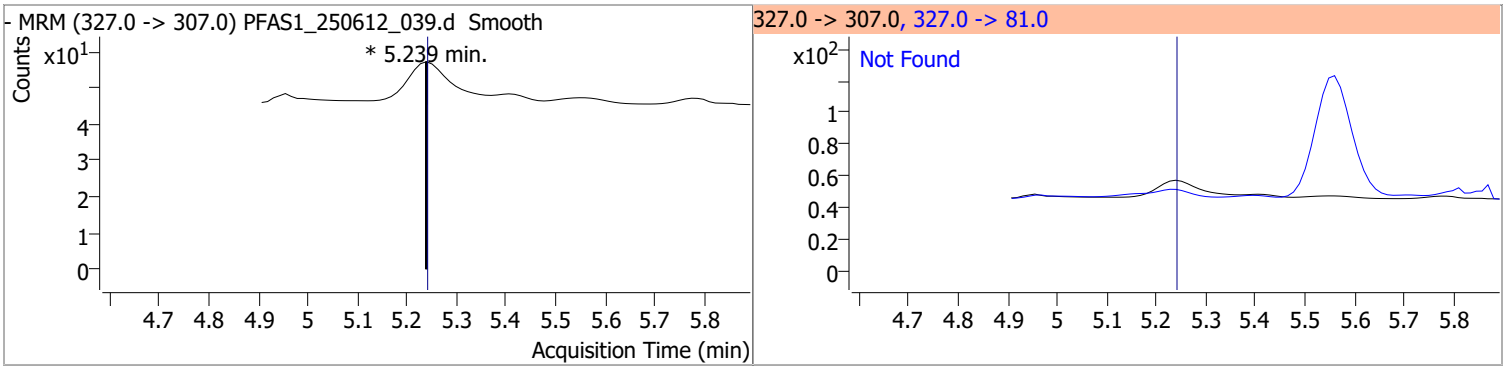




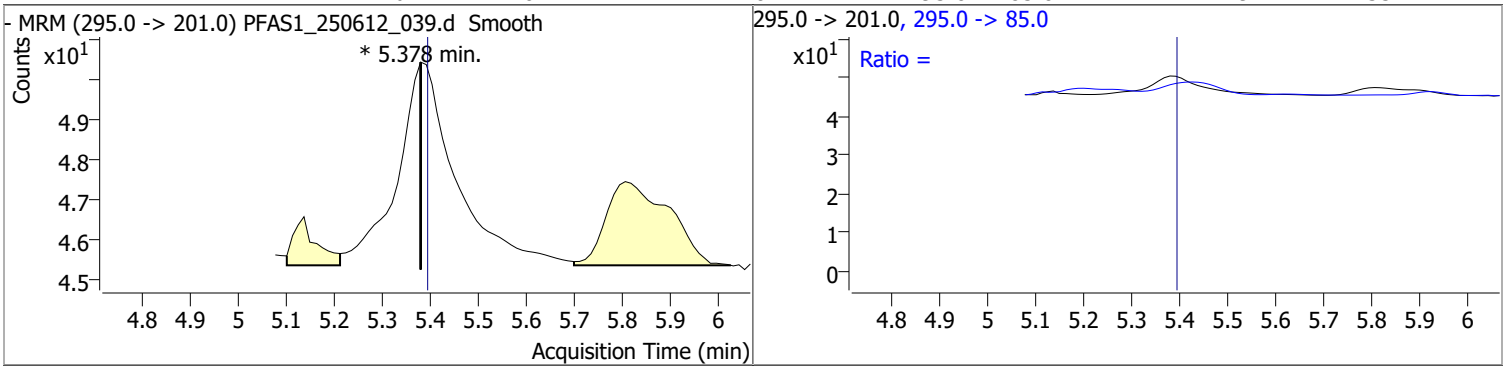
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9036	5.24	0.00	20556	329.0 -> 309.0	334.8	292.1	542.4



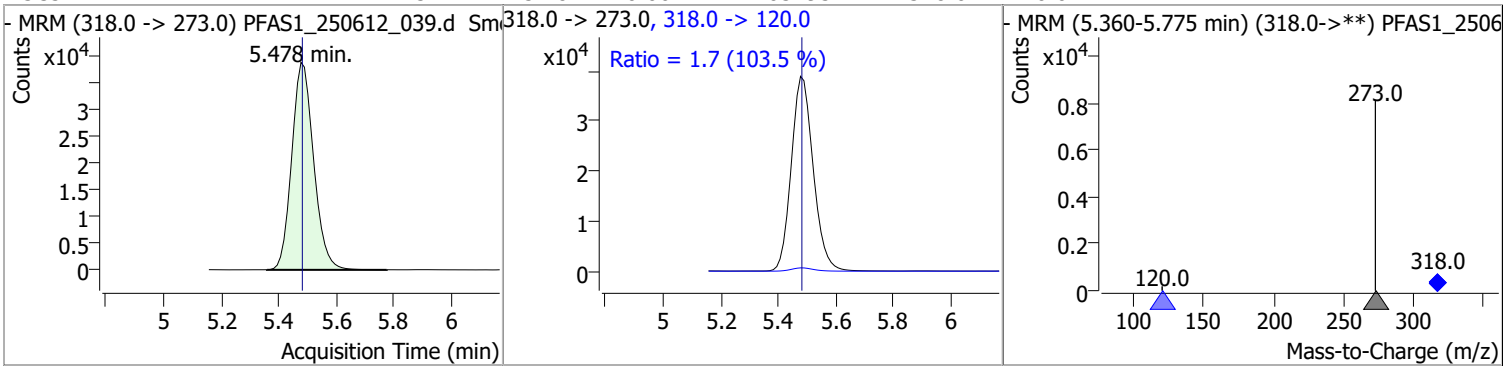
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



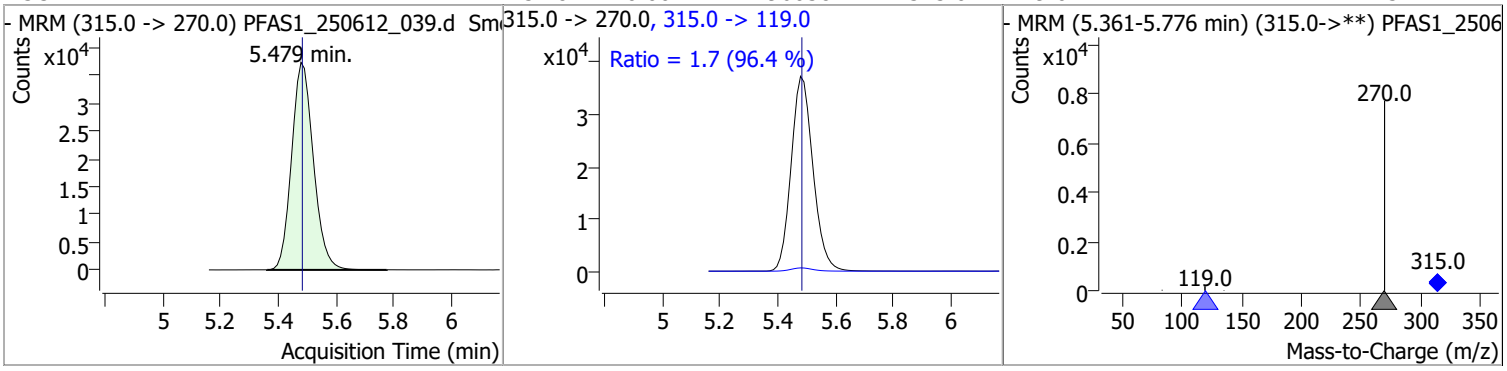
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



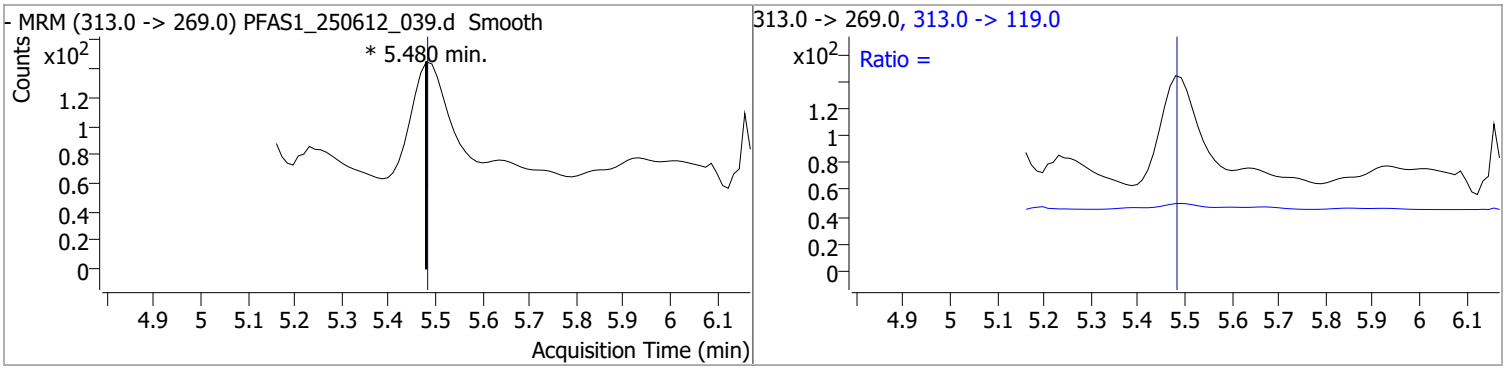
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5444	5.48	0.00	205495	318.0 -> 120.0	1.7	1.1	2.1



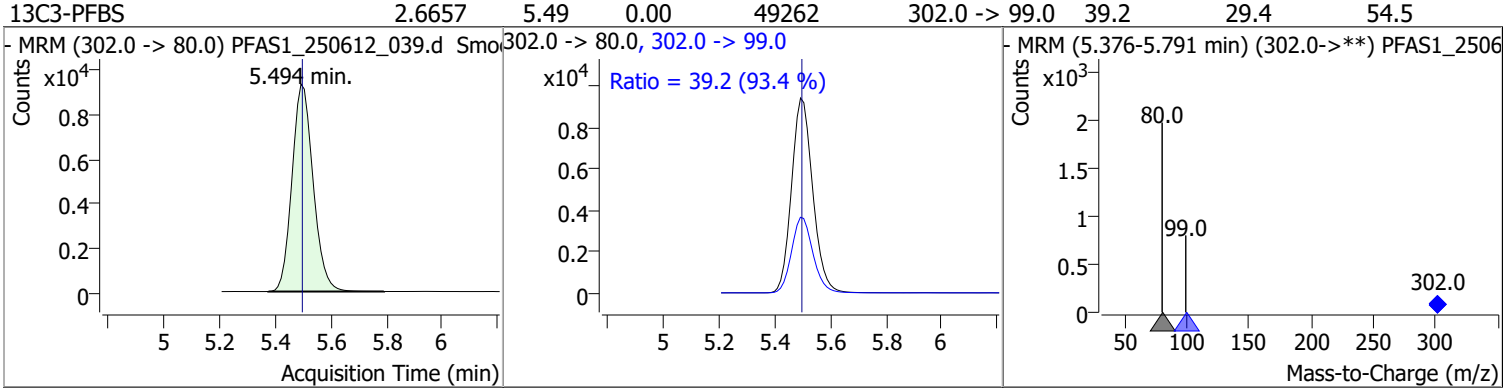
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	196038	315.0 -> 119.0	1.7	1.2	2.3



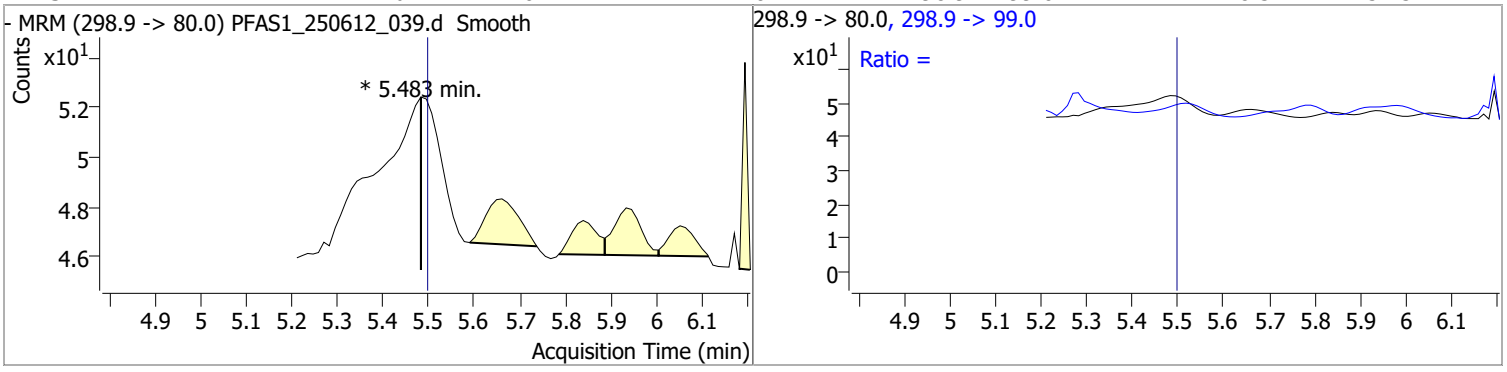
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



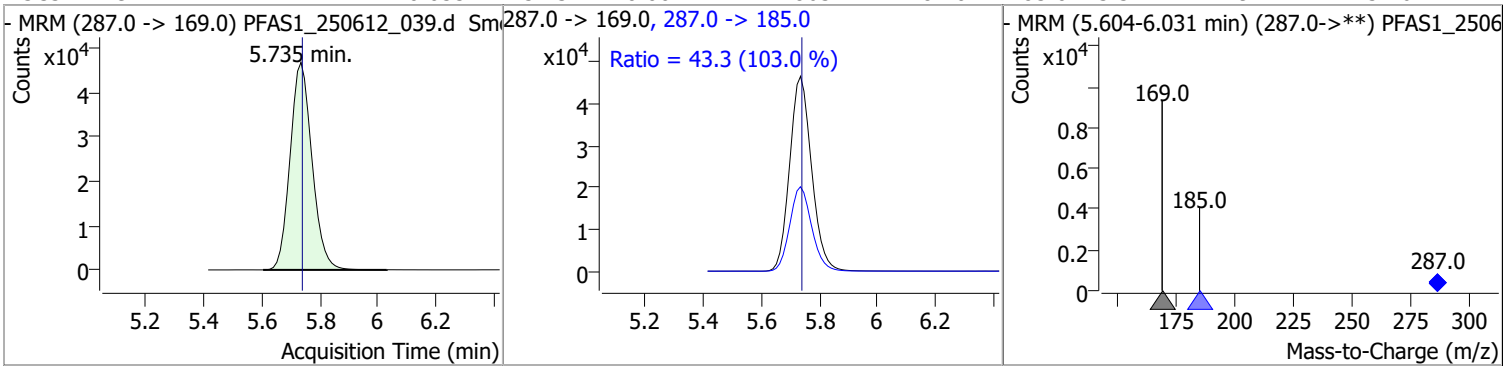
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6657	5.49	0.00	49262	302.0 -> 99.0	39.2	29.4	54.5



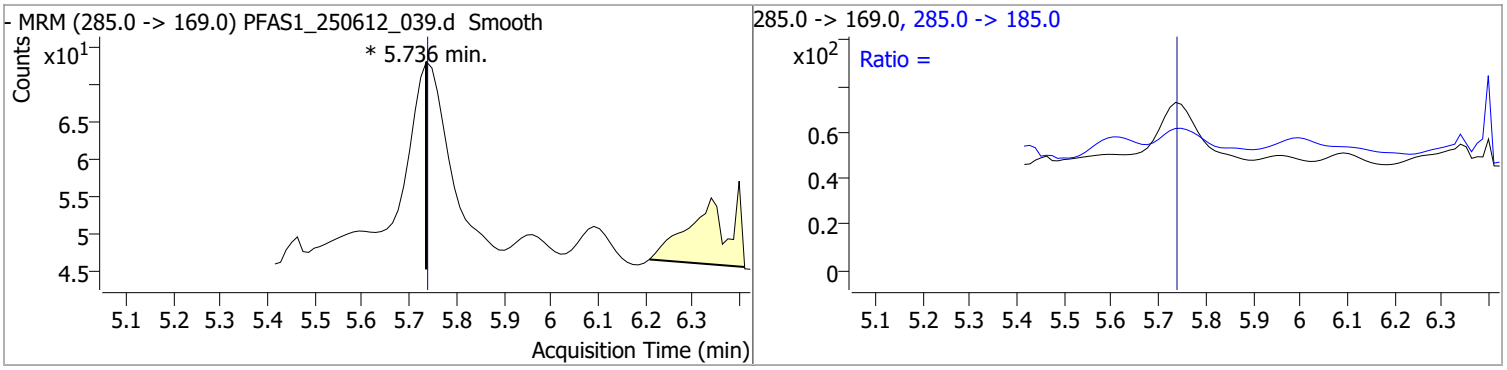
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



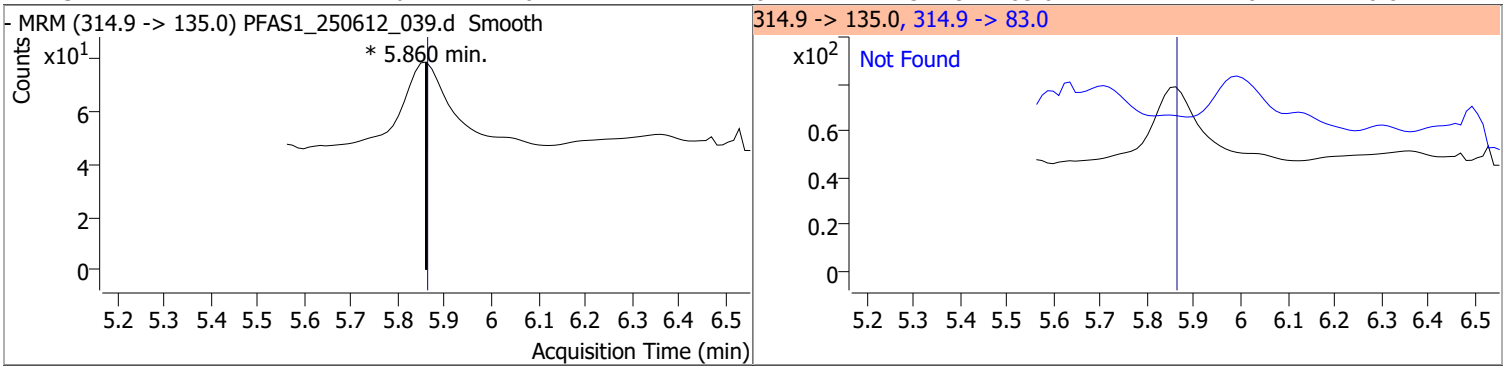
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0554	5.73	0.00	244863	287.0 -> 185.0	43.3	29.4	54.6



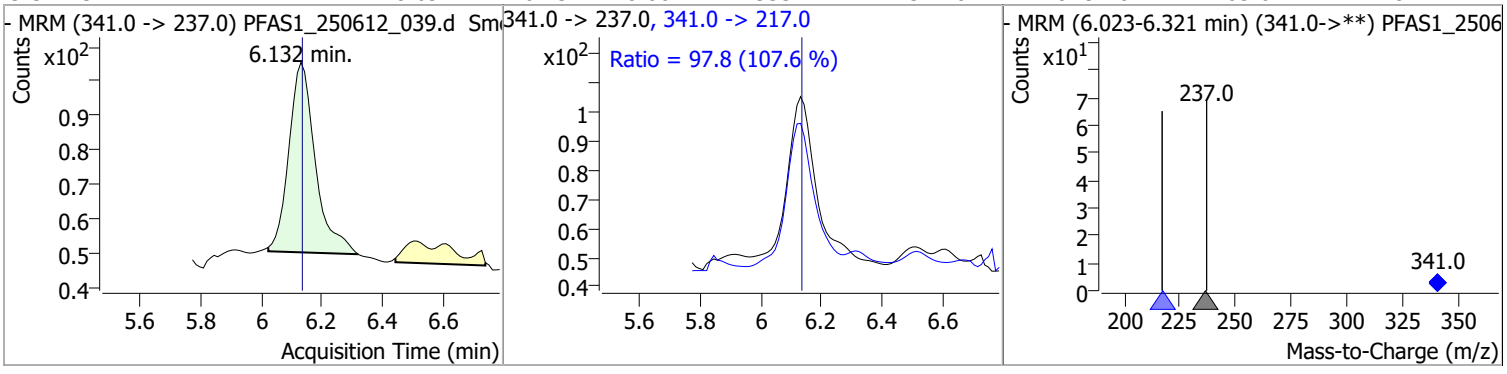
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



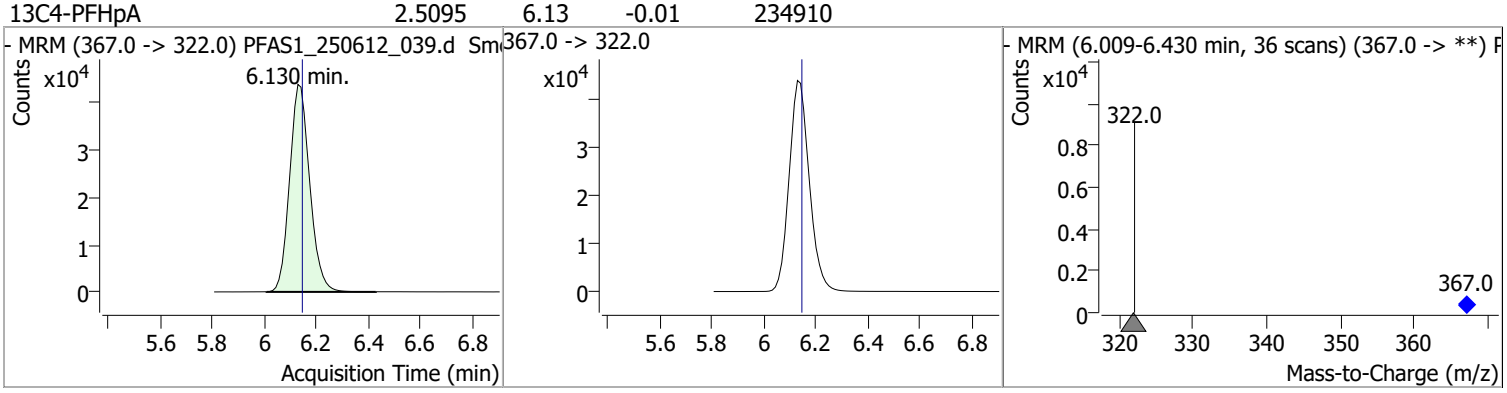
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



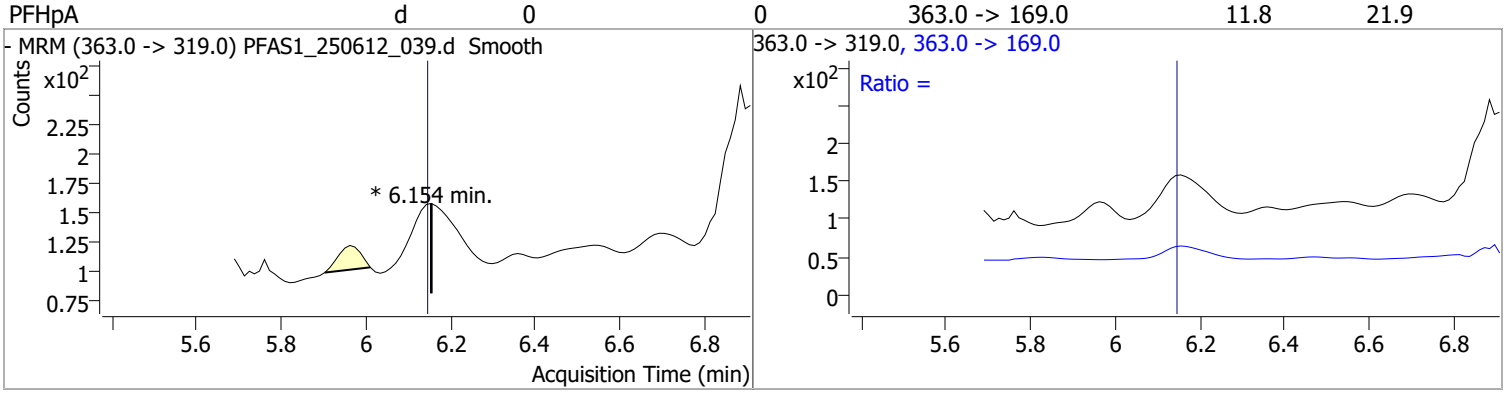
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6972	6.13	0.00	335	341.0 -> 217.0	97.8	63.6	118.1



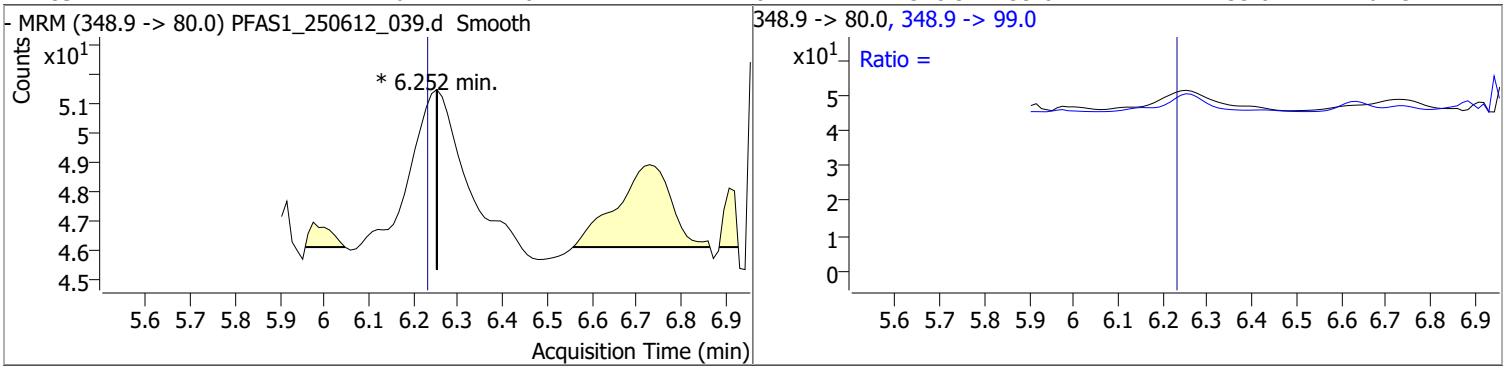
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5095	6.13	-0.01	234910				



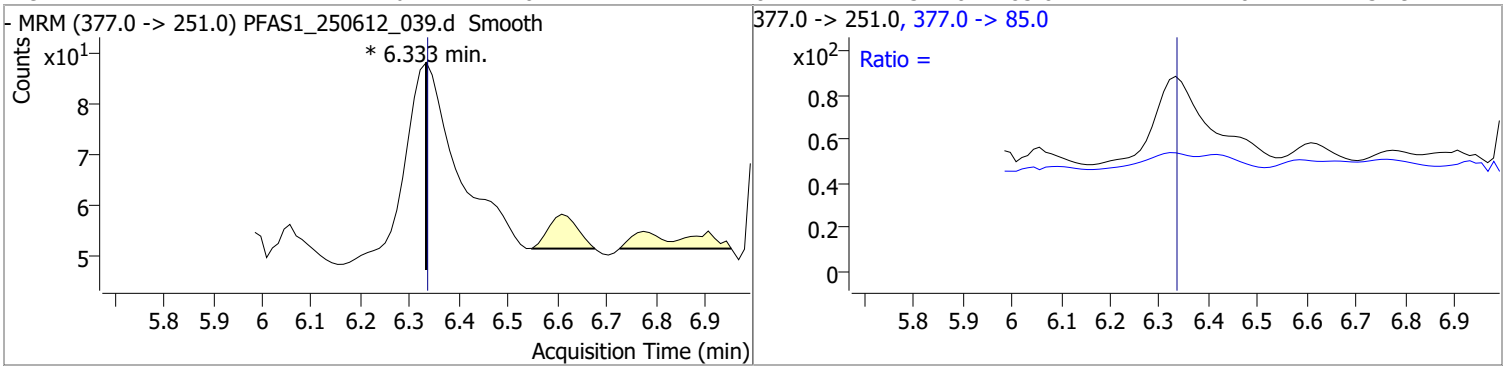
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



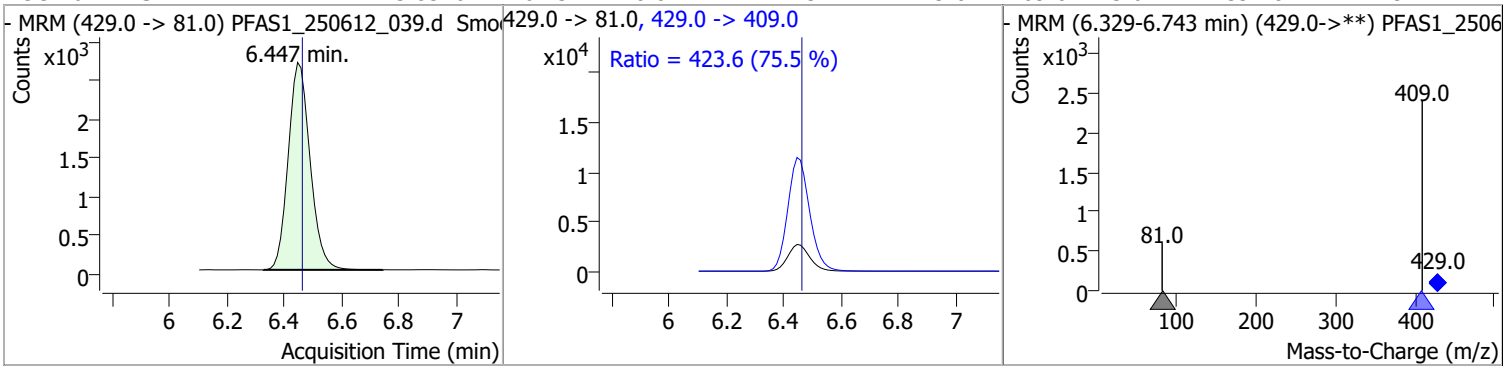
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



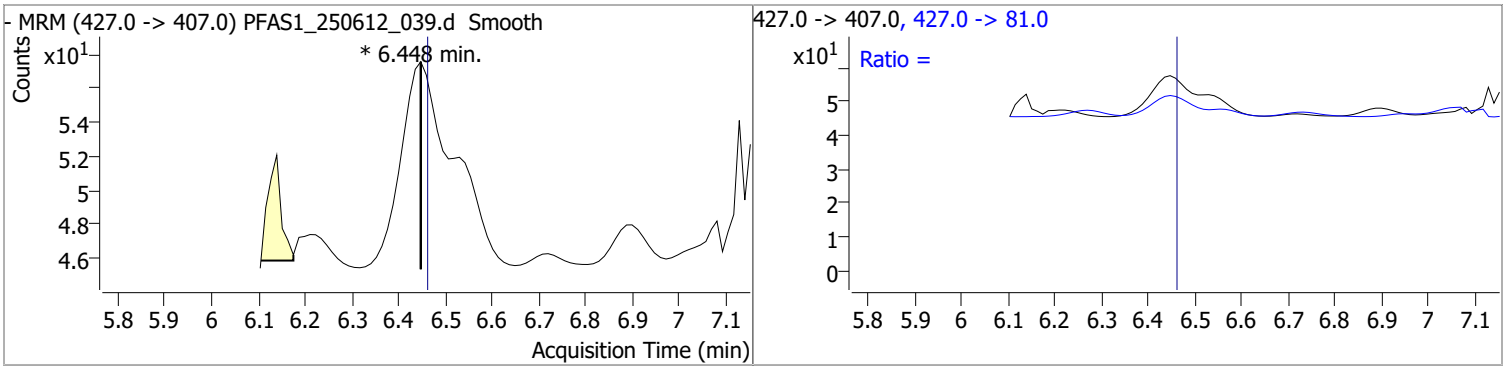
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



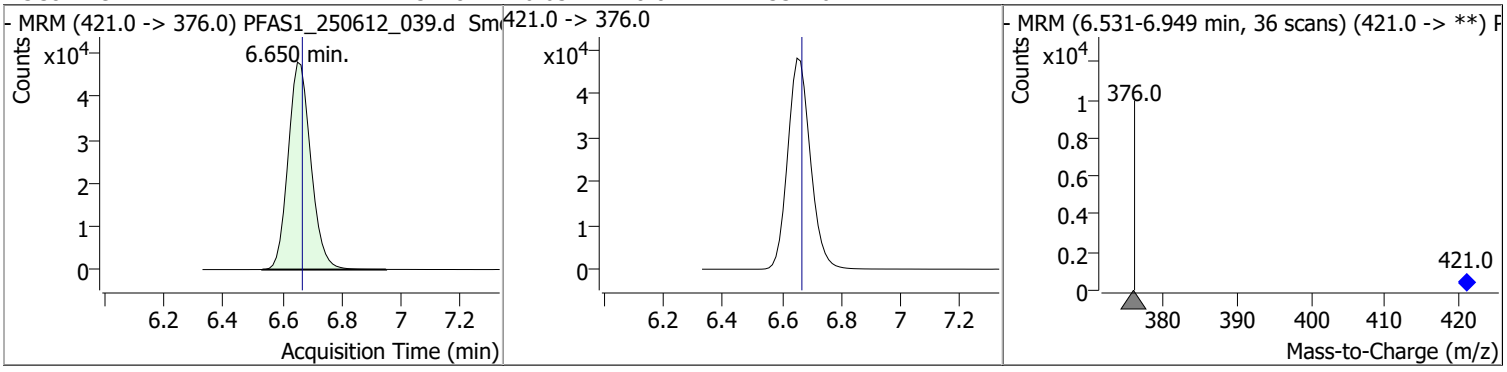
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8316	6.45	-0.01	14229	429.0 -> 409.0	423.6	392.8	729.4



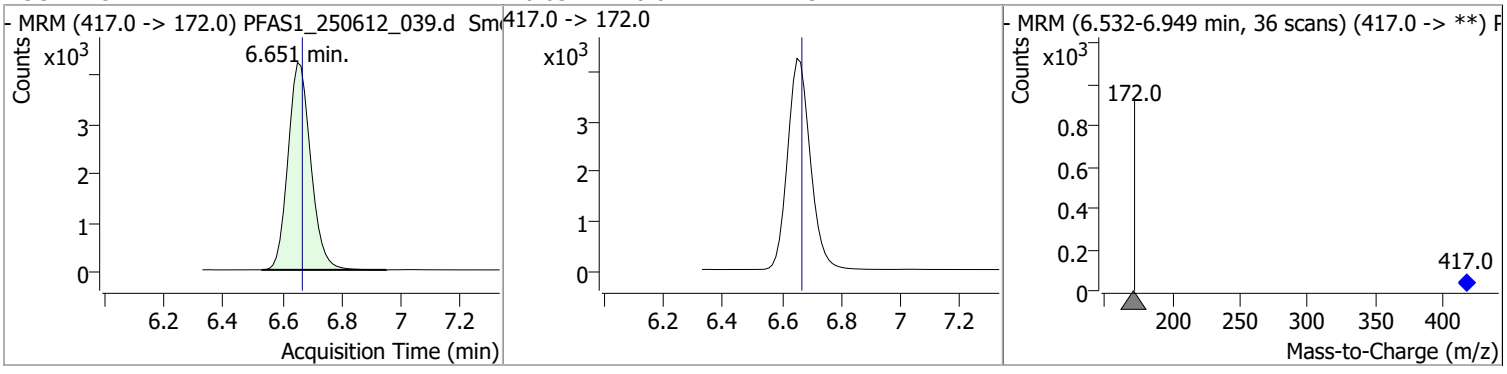
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



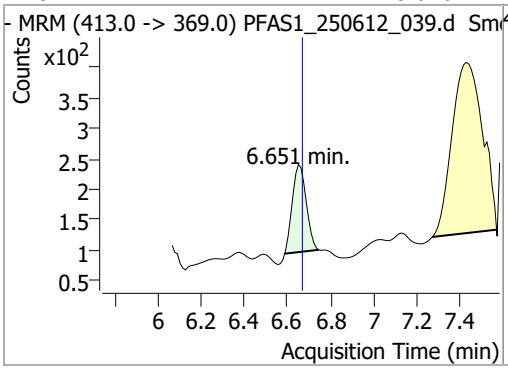
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5278	6.65	-0.01	253726				

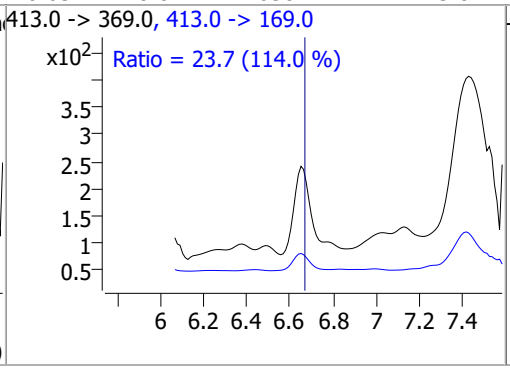


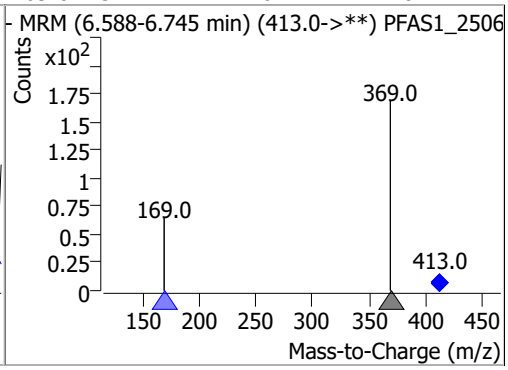
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22415				



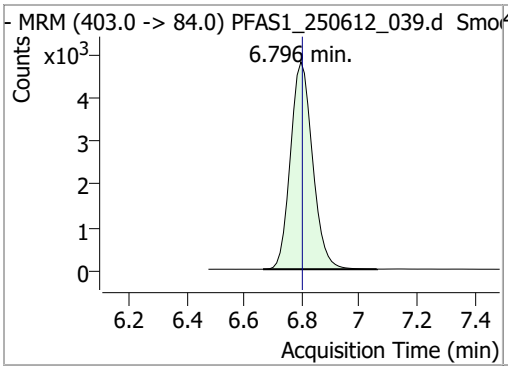
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0164	6.65	-0.01	638	413.0 -> 169.0	23.7	14.6	27.0

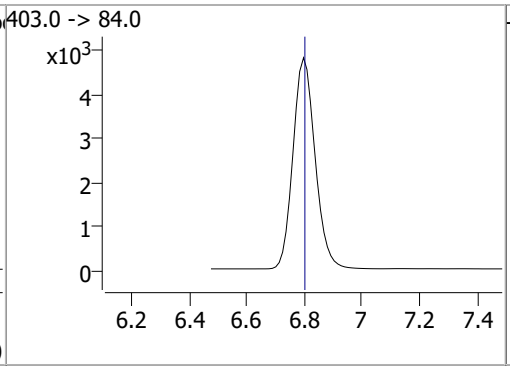


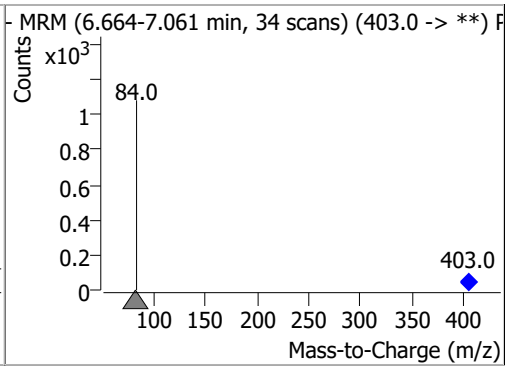




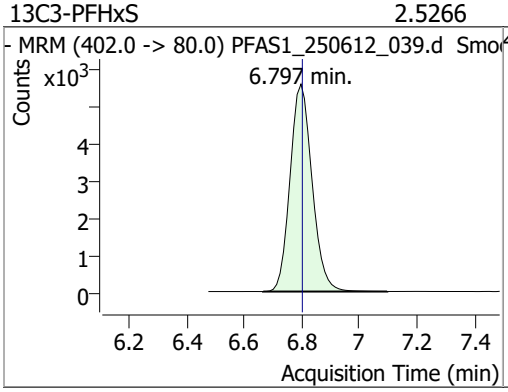
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	25522				

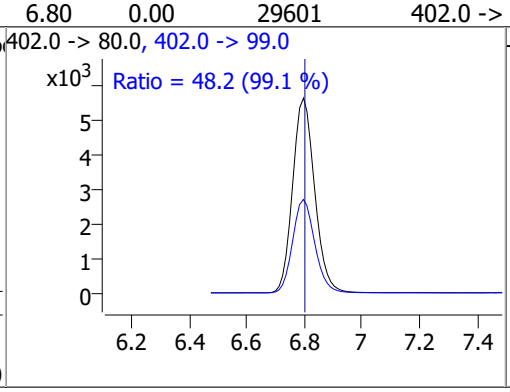


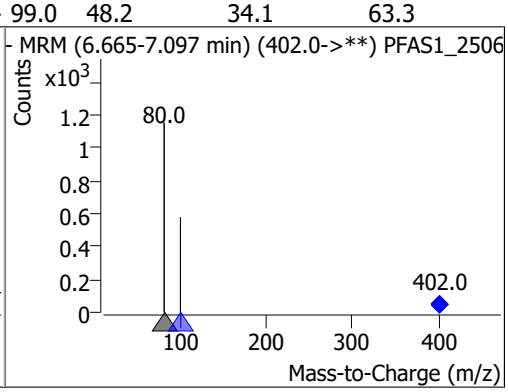




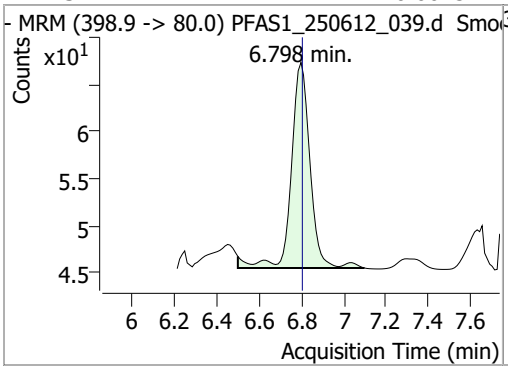
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5266	6.80	0.00	29601	402.0 -> 99.0	48.2	34.1	63.3

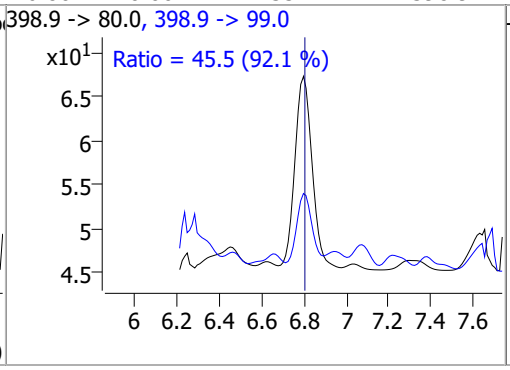


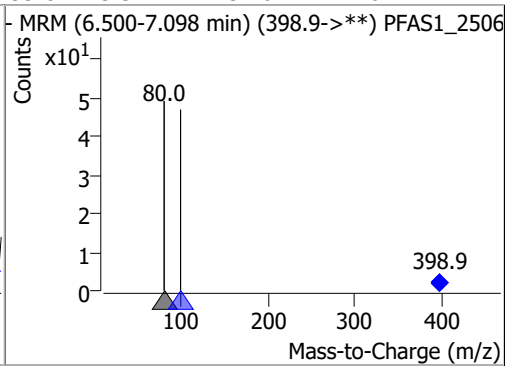




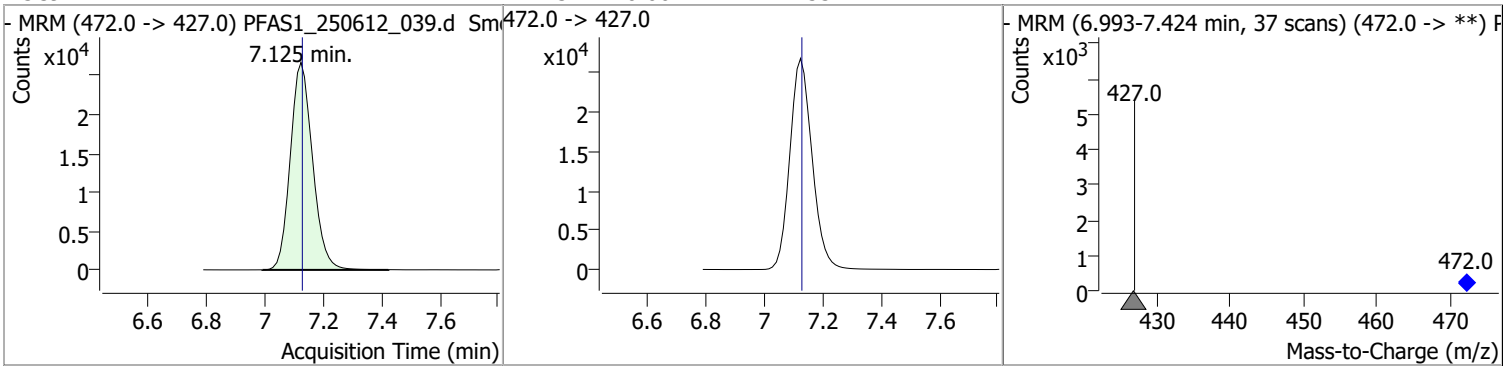
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0043	6.80	0.00	135	398.9 -> 99.0	45.5	34.6	64.2



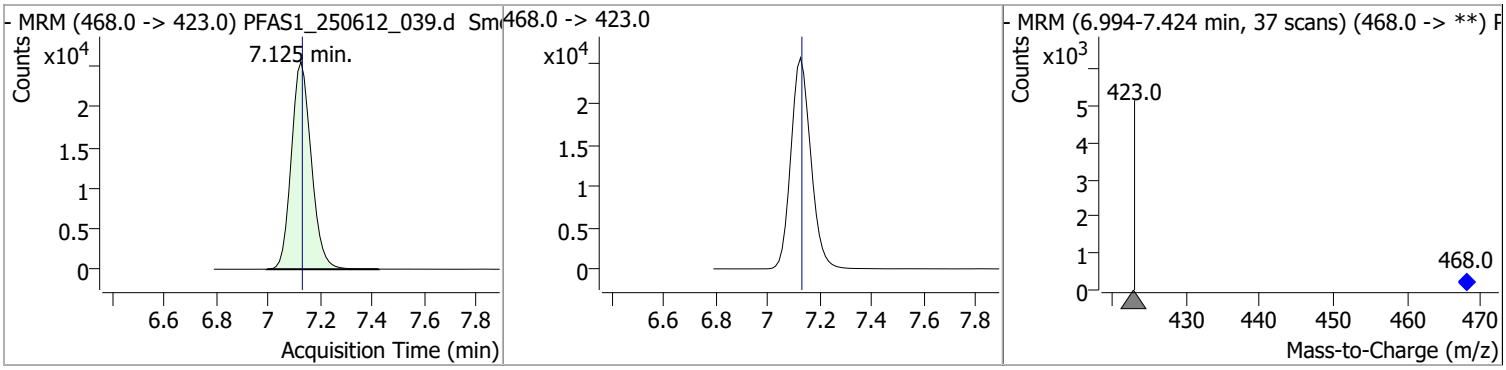




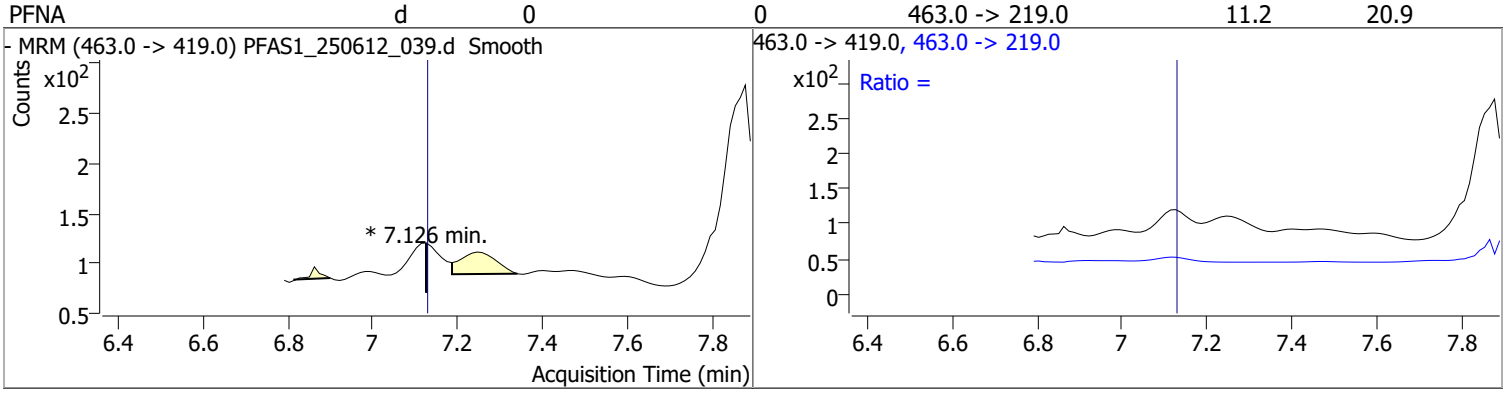
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2742	7.13	0.00	141153				



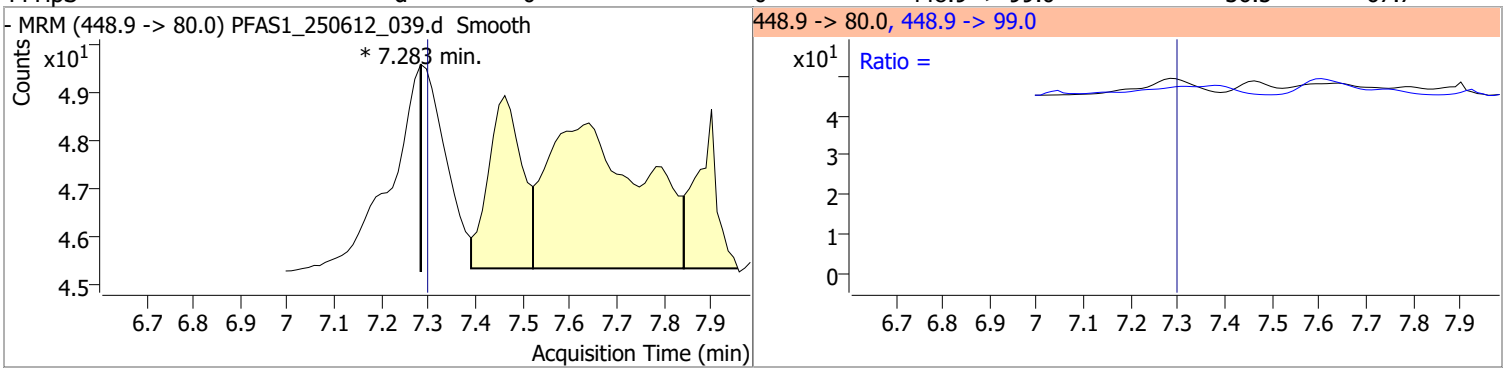
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	135097				



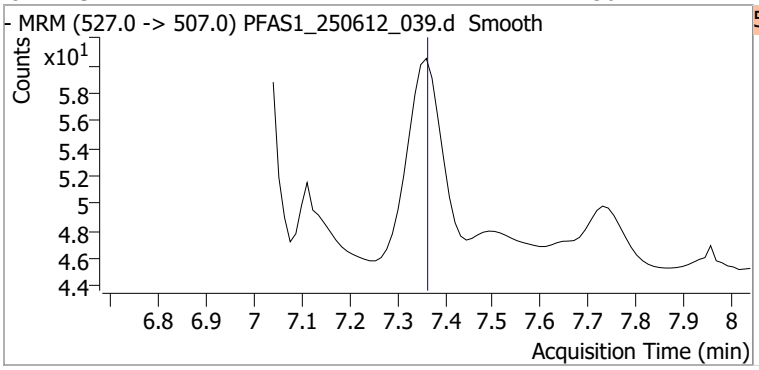
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

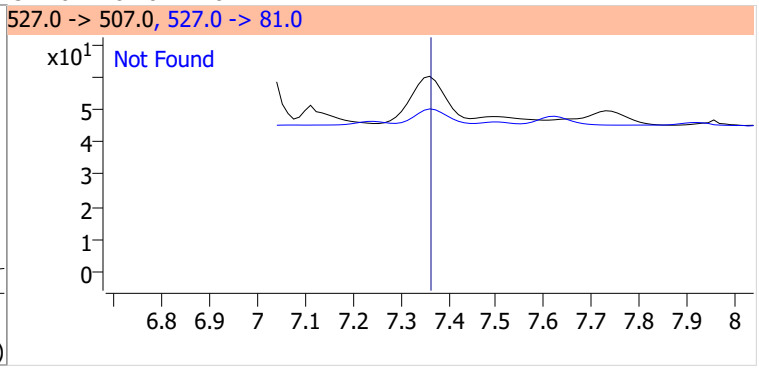


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

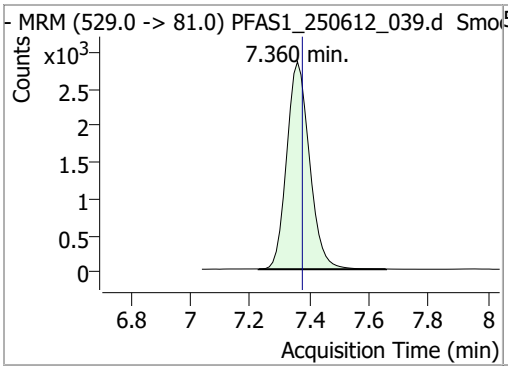


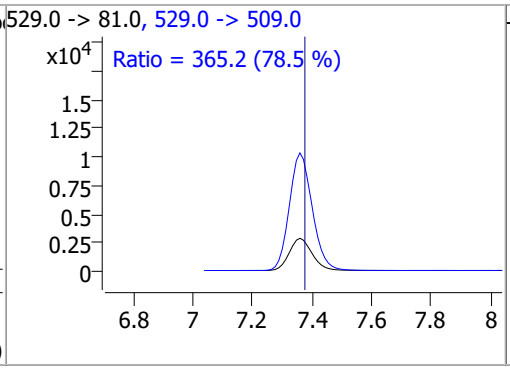
Compound	Conc.	Exp RT	QIon	Exp Ratio
8-2 FTSA	N.D.	7.36	527.0 -> 81.0	28.1

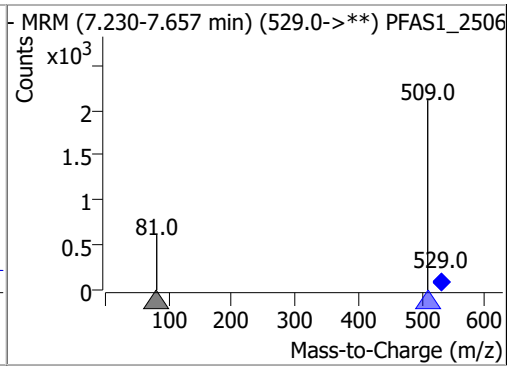




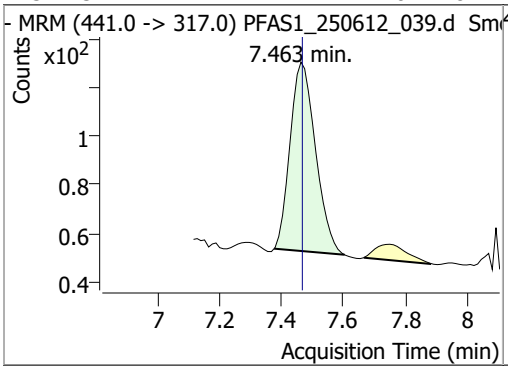
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.6106	7.36	-0.01	14990	529.0 -> 509.0	365.2	325.6	604.6

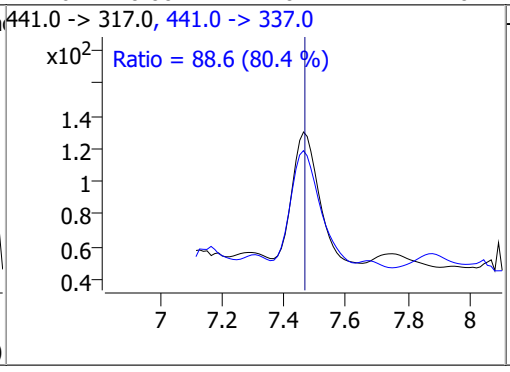


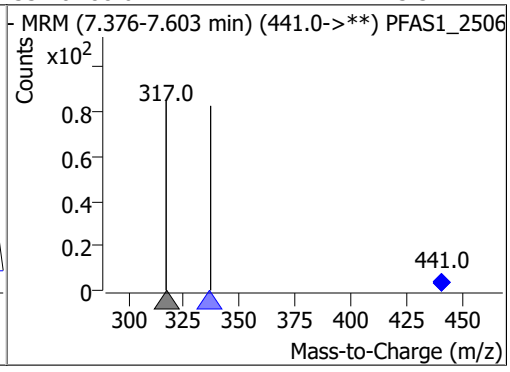




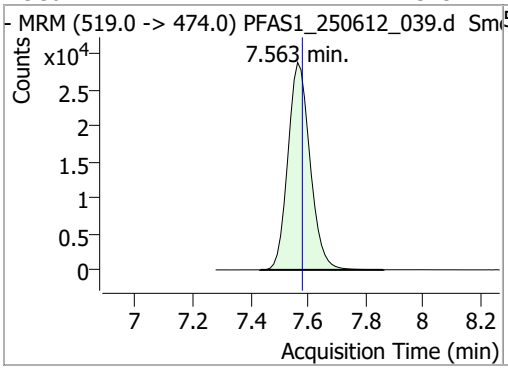
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.7118	7.46	0.00	440	441.0 -> 337.0	88.6	77.1	143.3

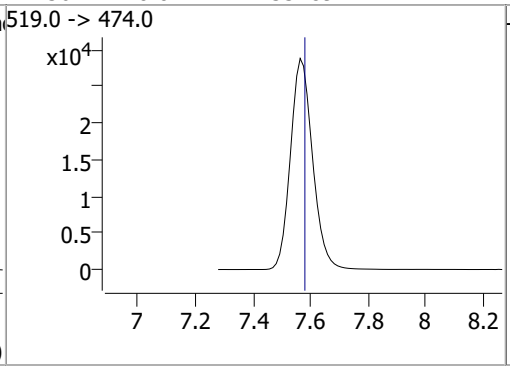


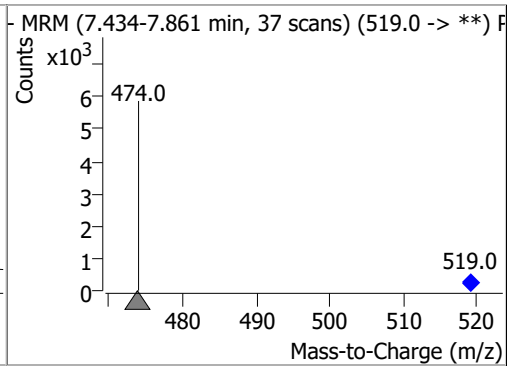




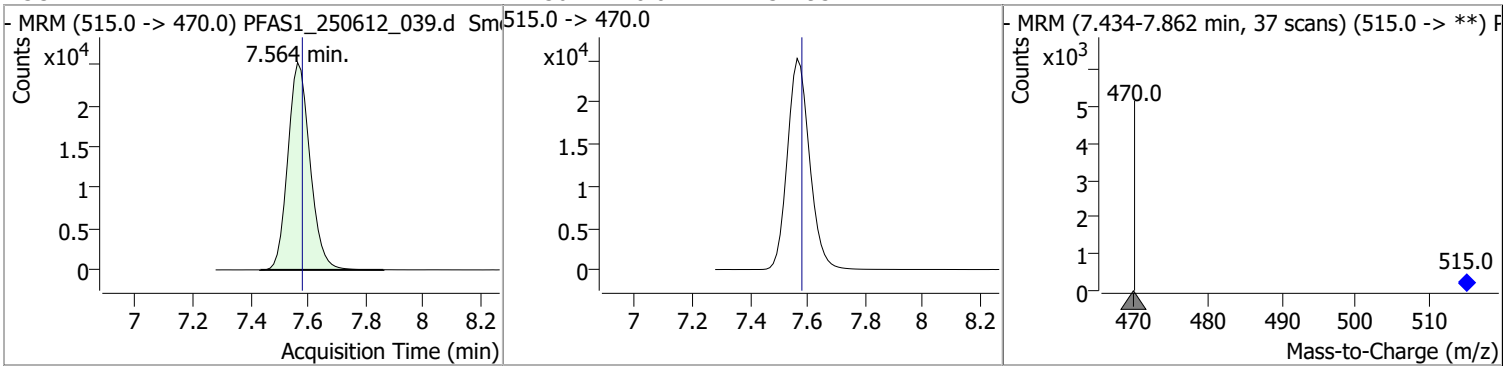
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3451	7.56	-0.01	153289				



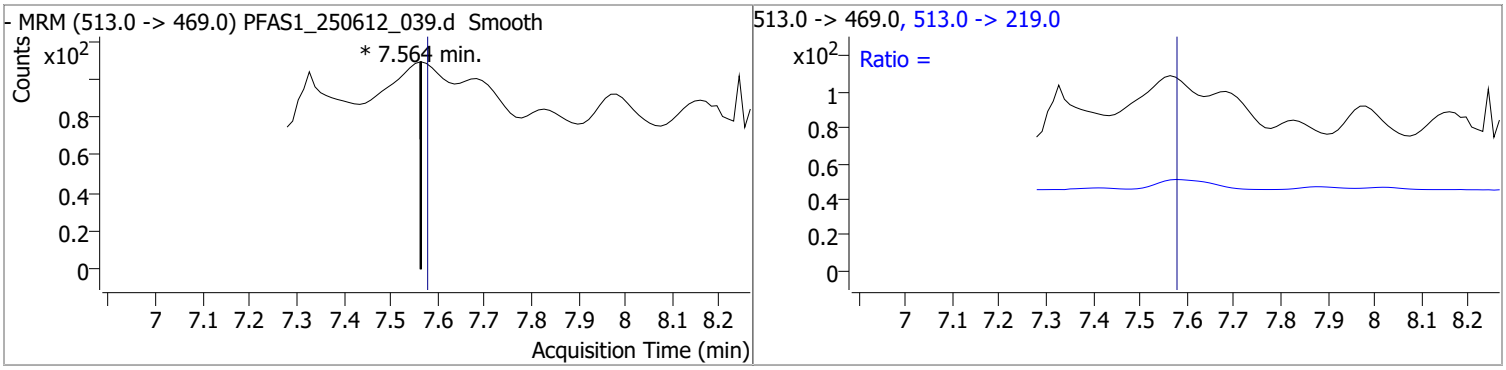




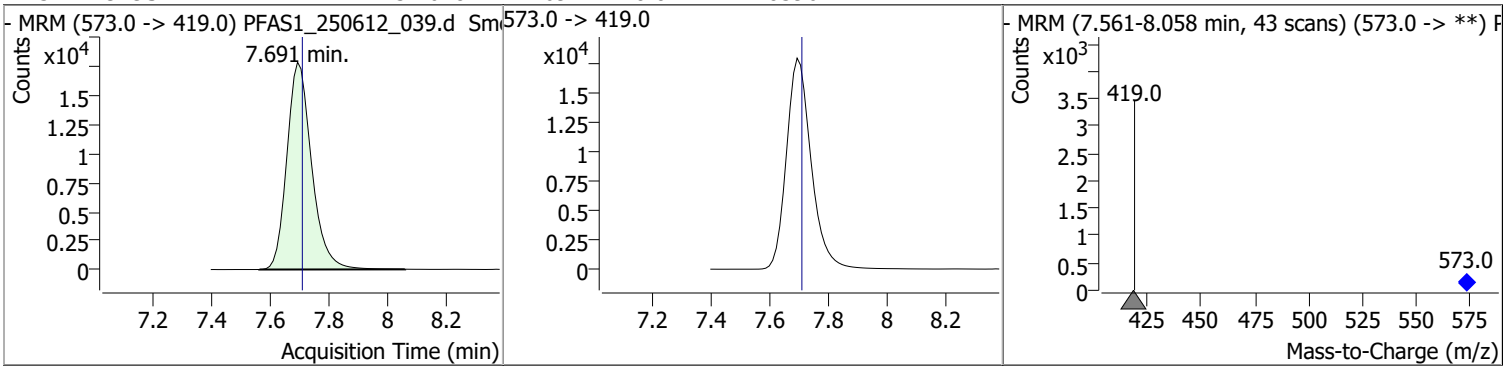
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	134195				



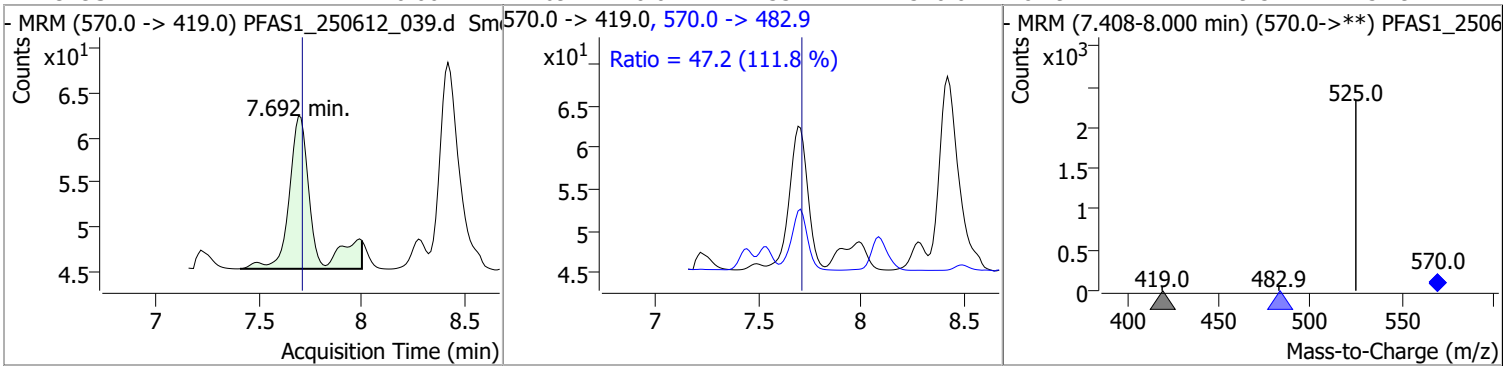
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



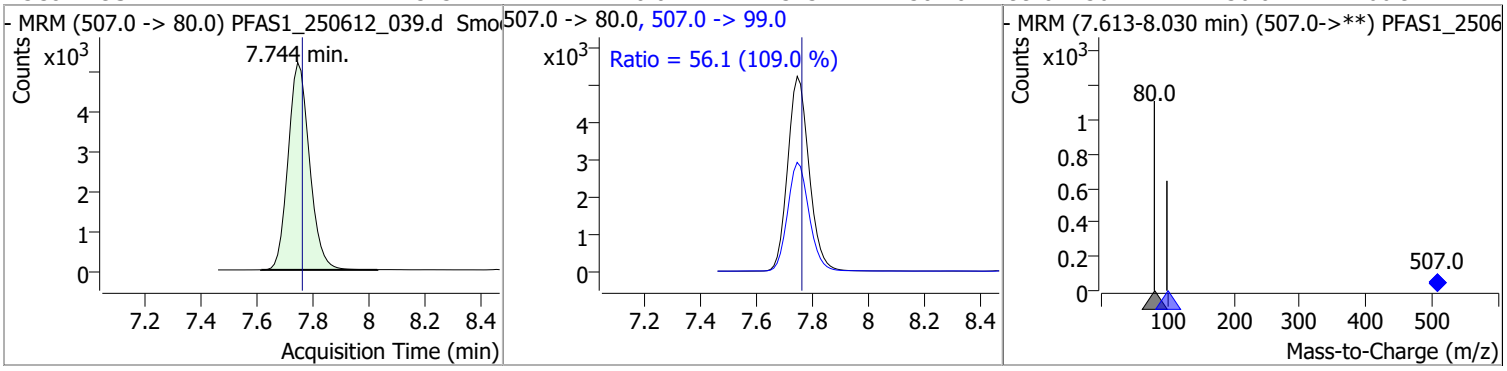
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1618	7.69	-0.01	103967				



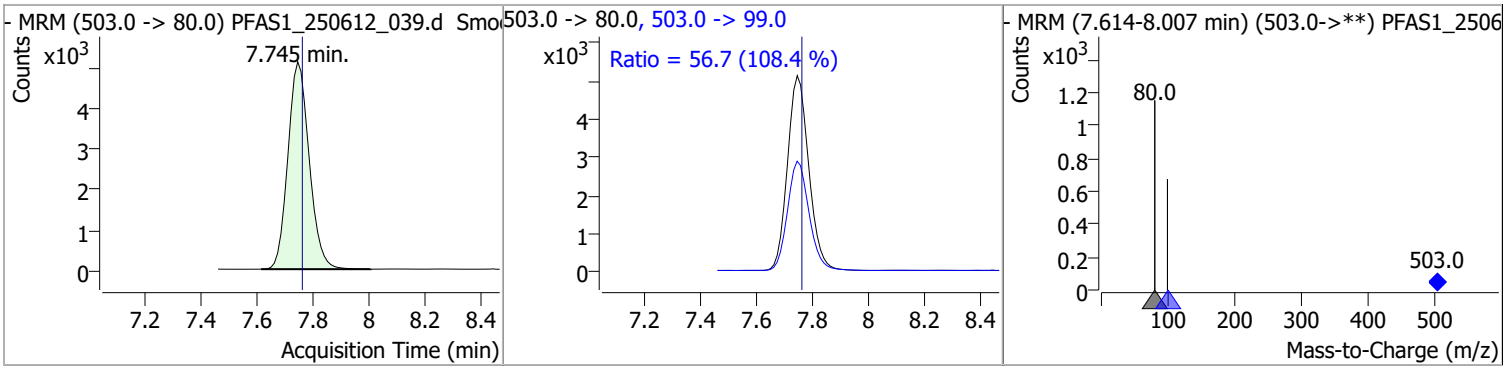
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0044	7.69	-0.01	133	570.0 -> 482.9	47.2	29.5	54.9



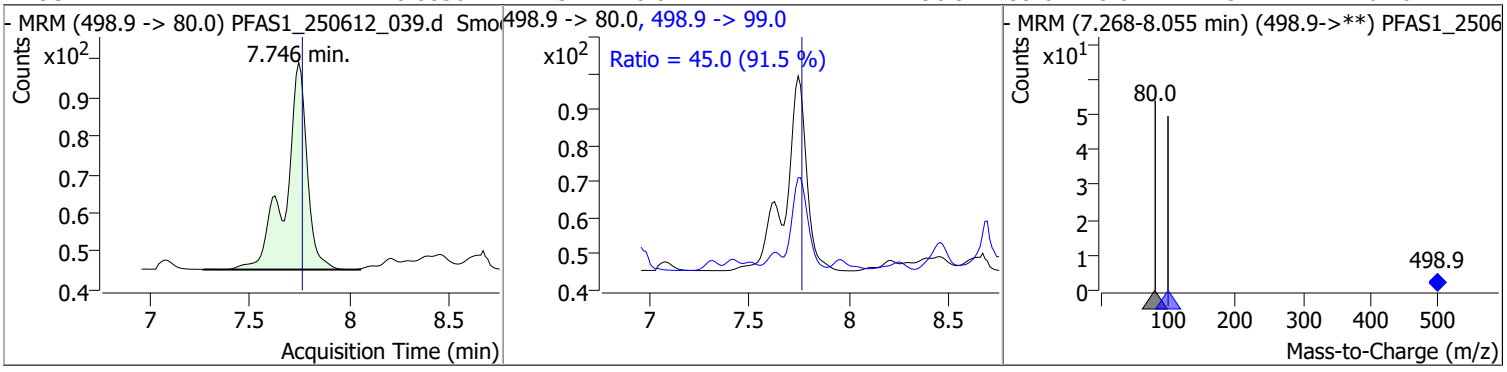
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5737	7.74	-0.01	27513	507.0 -> 99.0	56.1	36.0	66.9



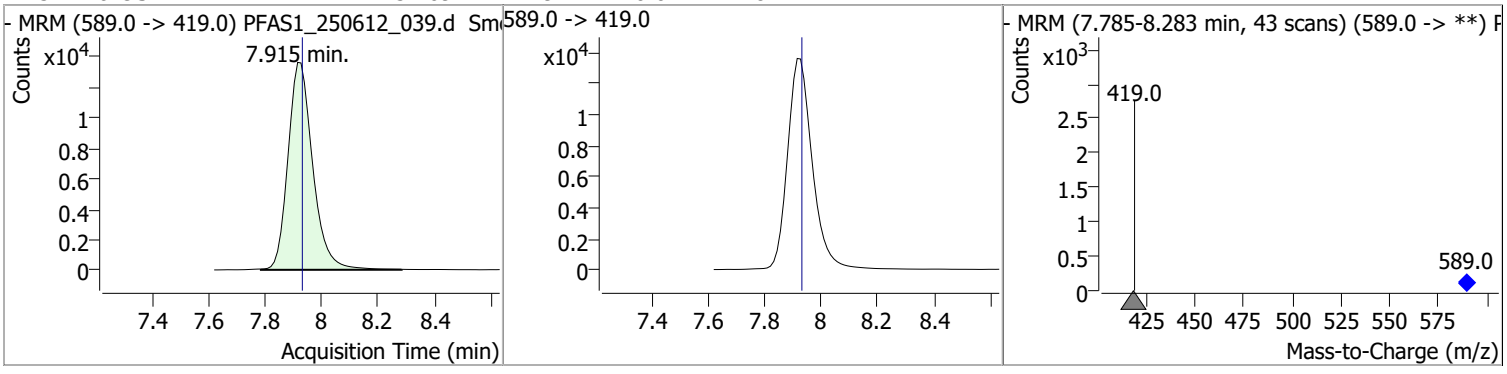
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26975	503.0 -> 99.0	56.7	36.6	67.9



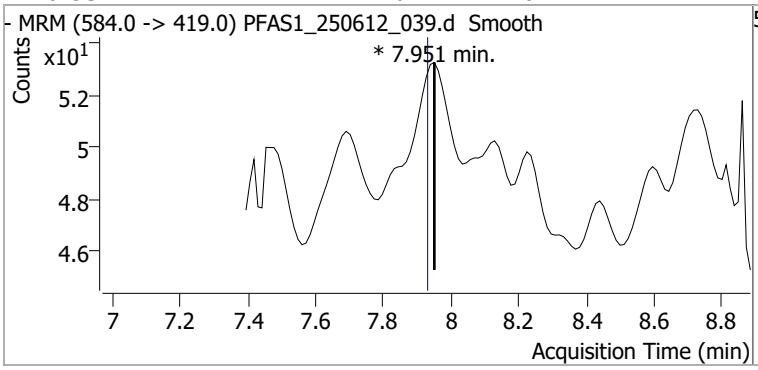
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0056	7.75	-0.01	412	498.9 -> 99.0	45.0	34.4	64.0

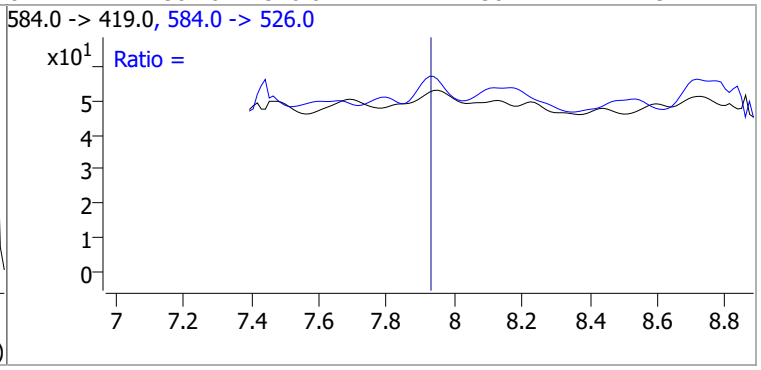


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1097	7.91	-0.01	82471				

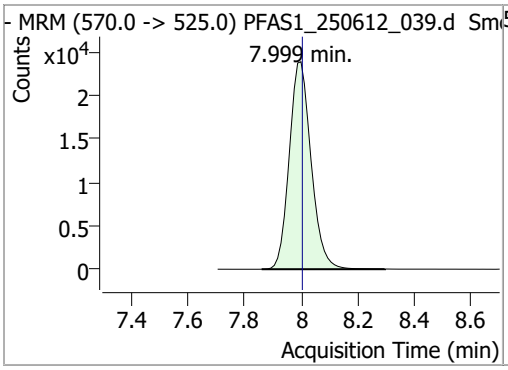


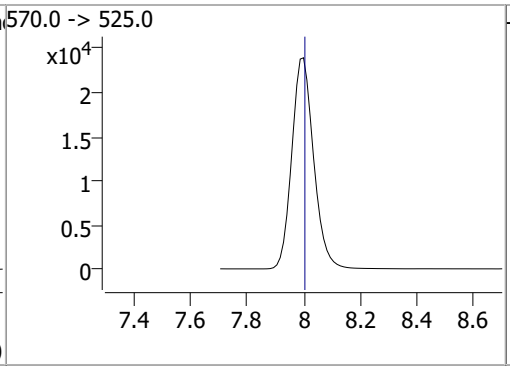
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

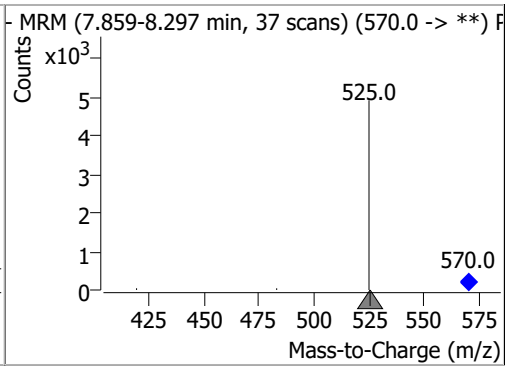




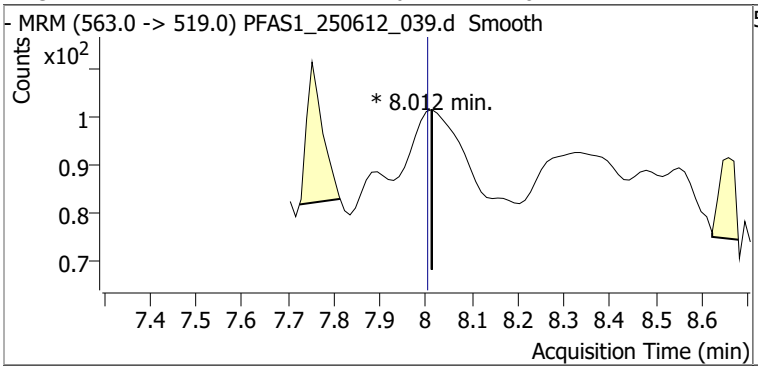
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2983	8.00	0.00	128457				

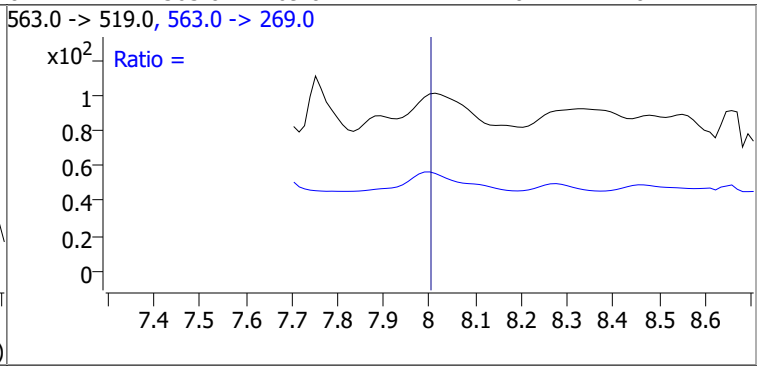




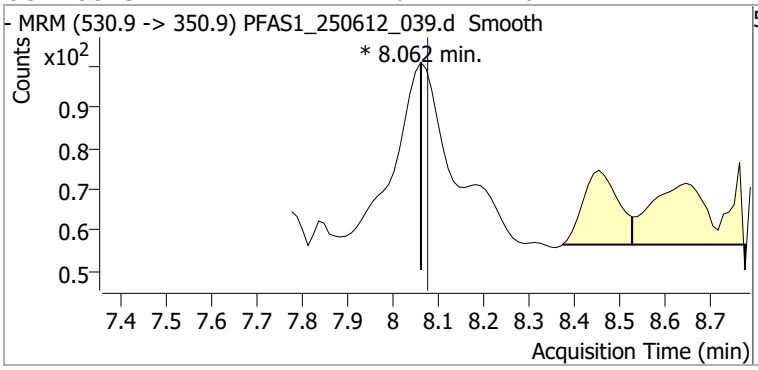


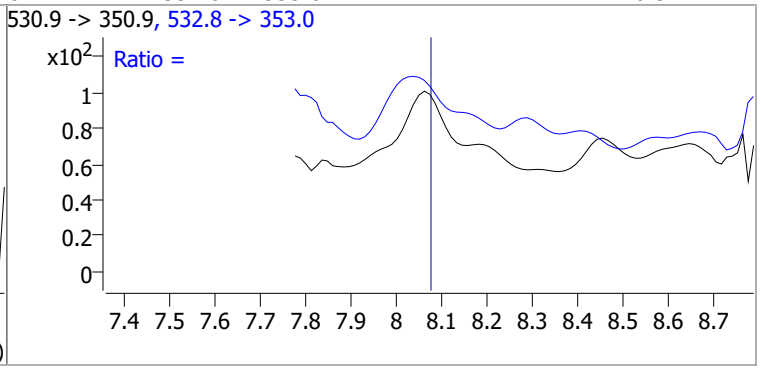
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



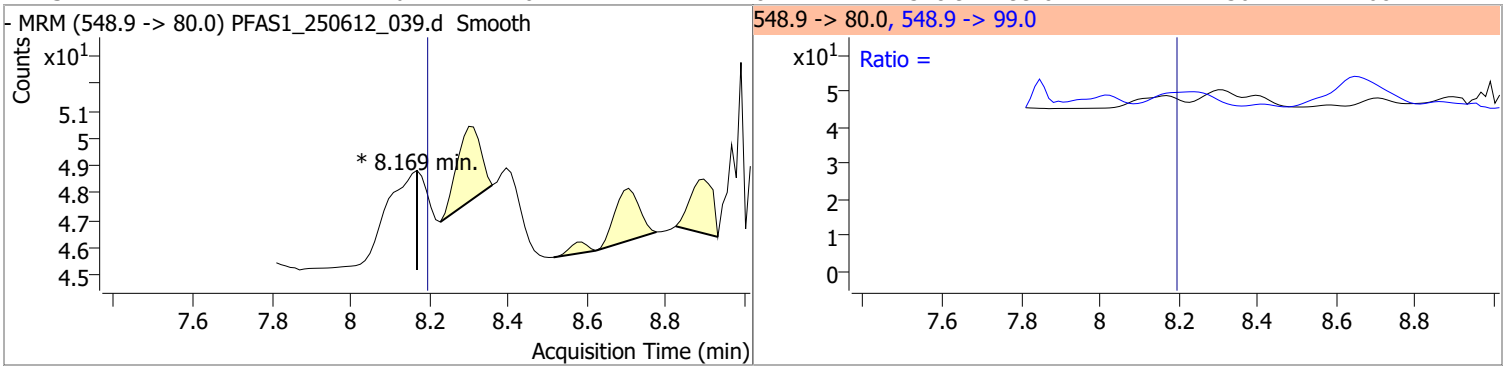


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

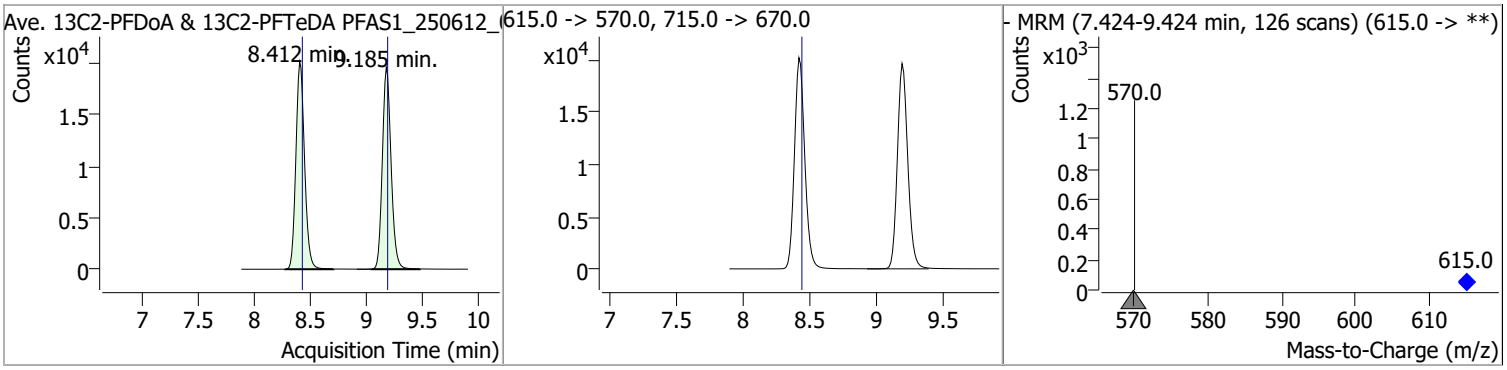




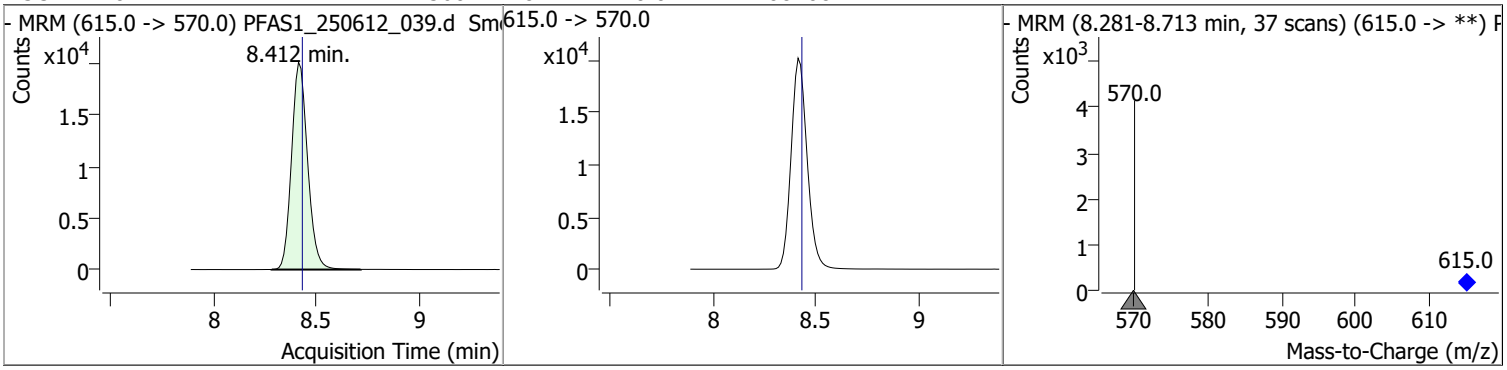
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



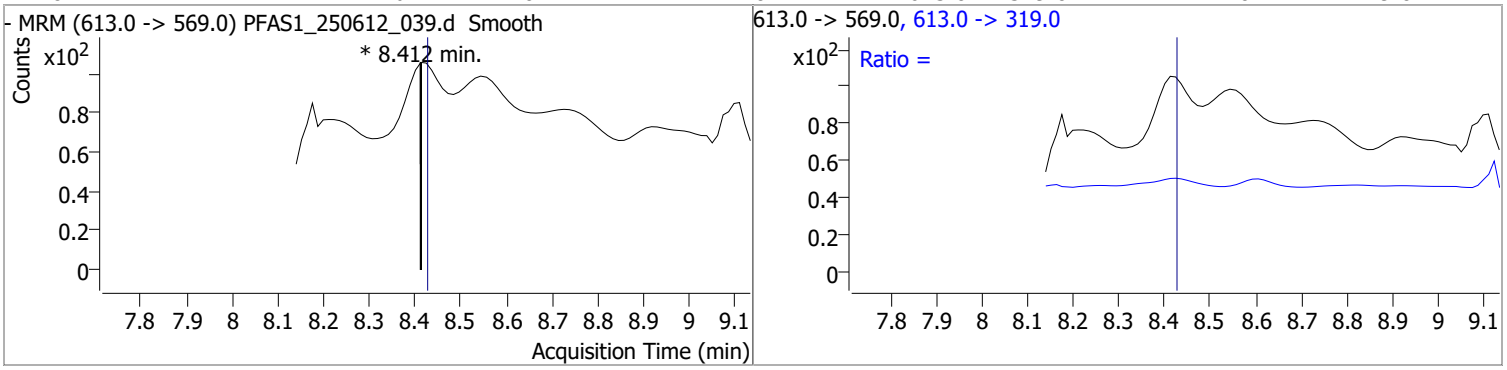
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2607	8.80	0.37	107167				



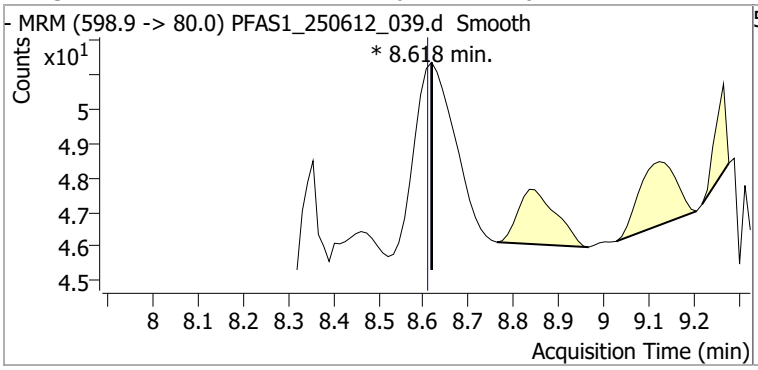
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2560	8.41	-0.01	108108				

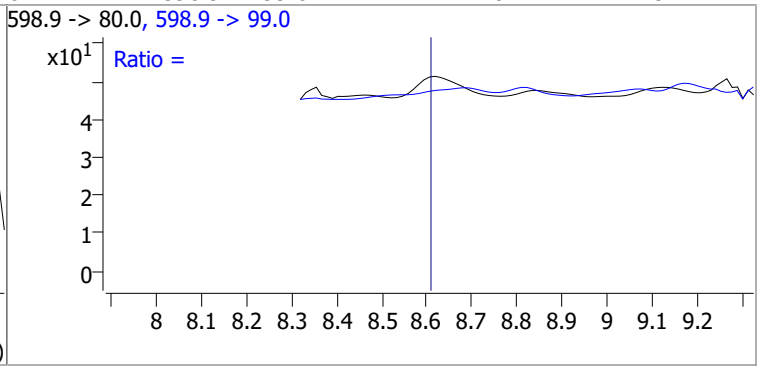


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0

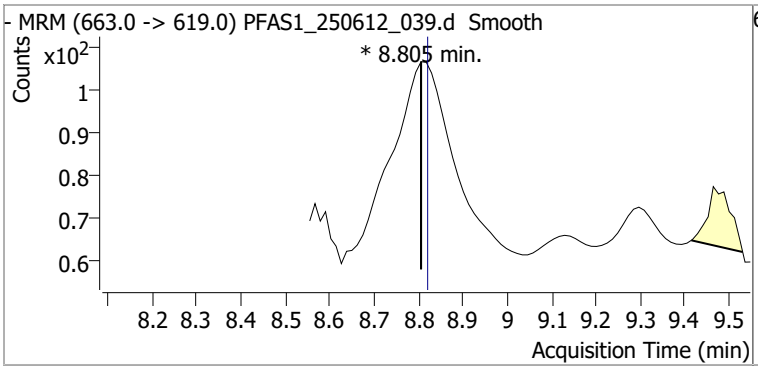


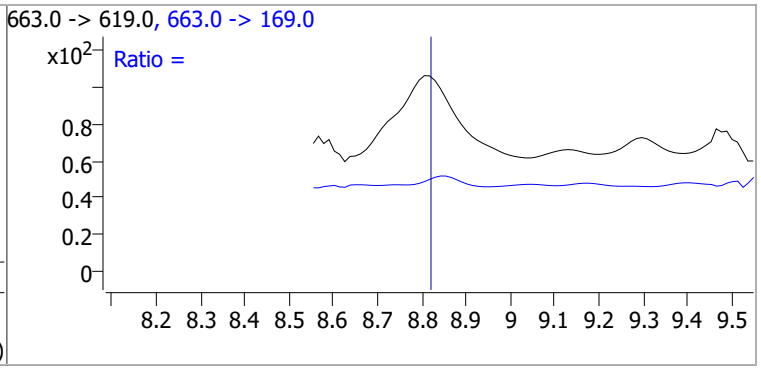
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



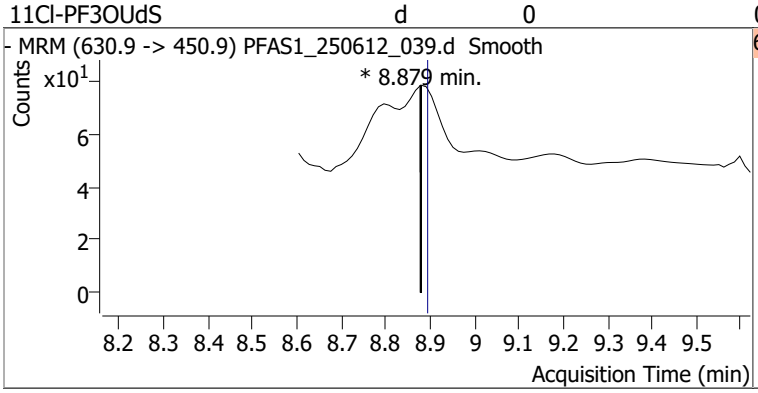


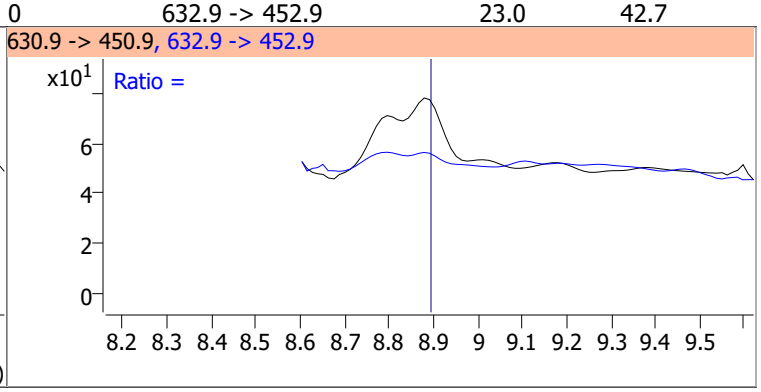
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



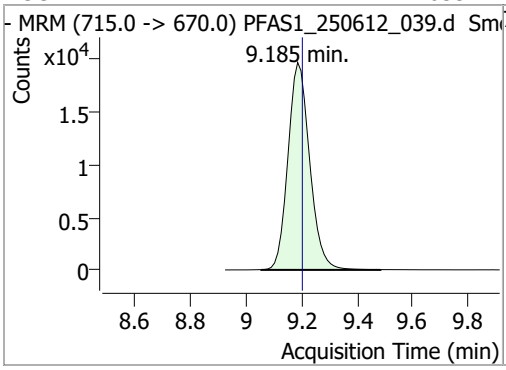


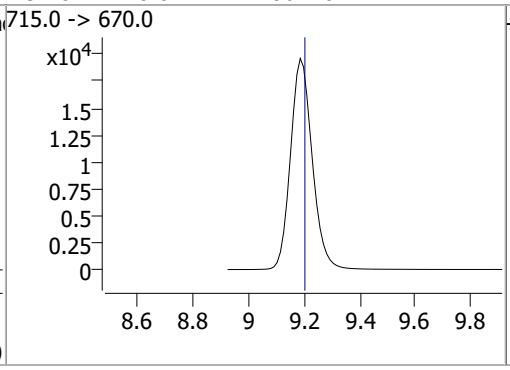
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

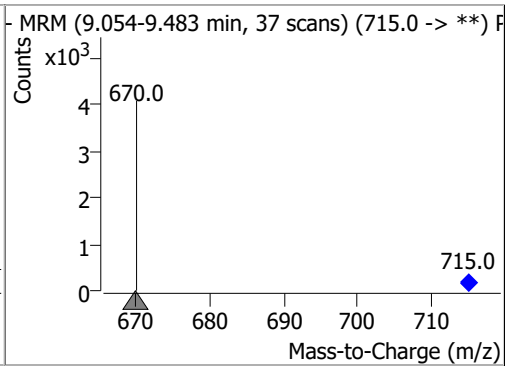




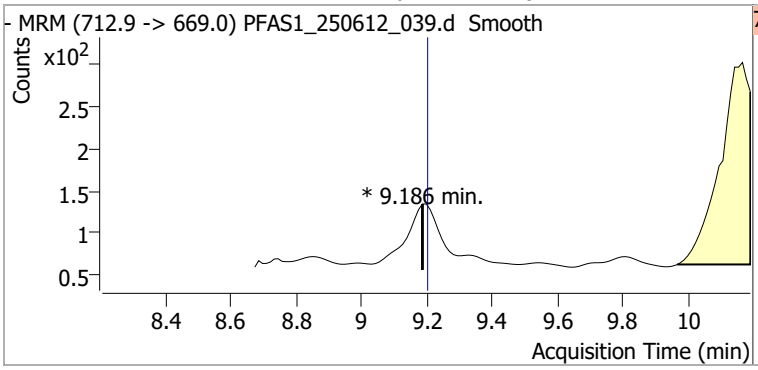
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2655	9.18	-0.01	106226				

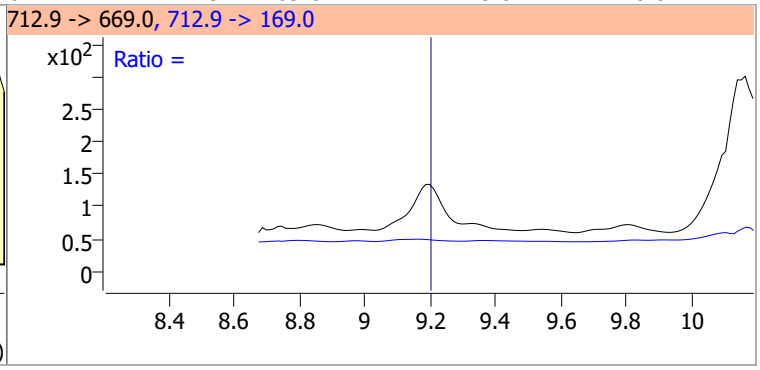




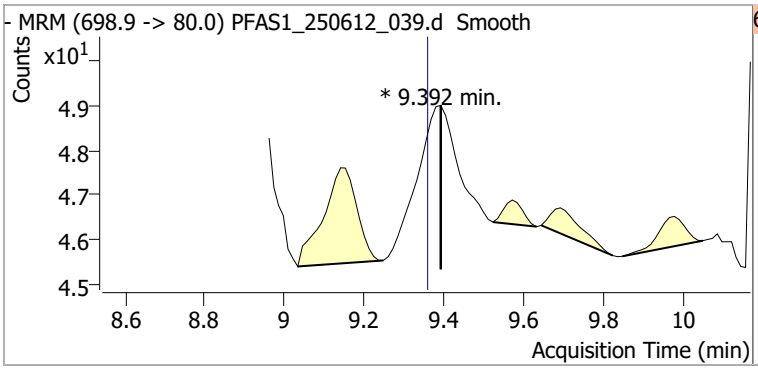


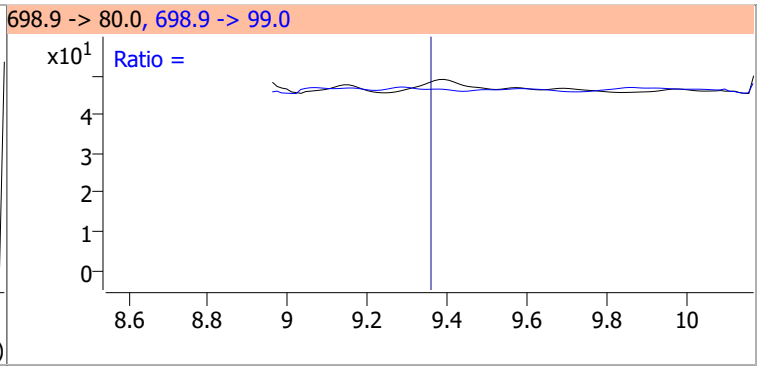
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



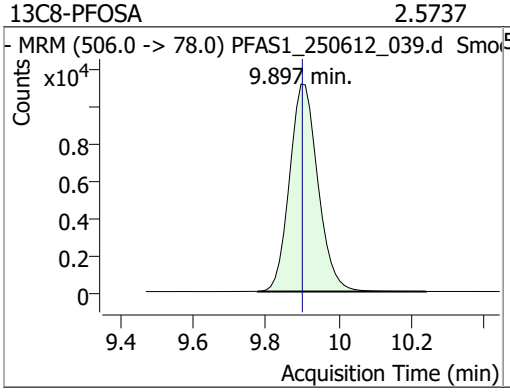


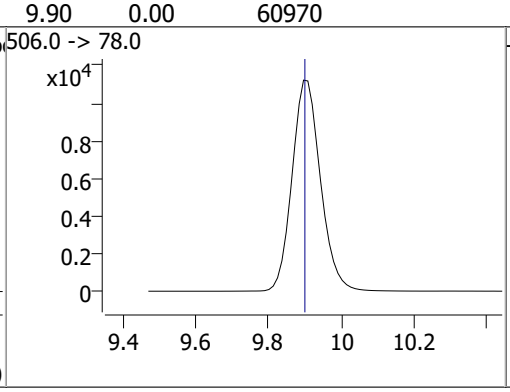
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

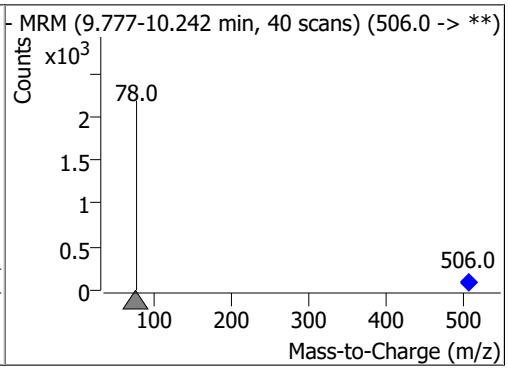




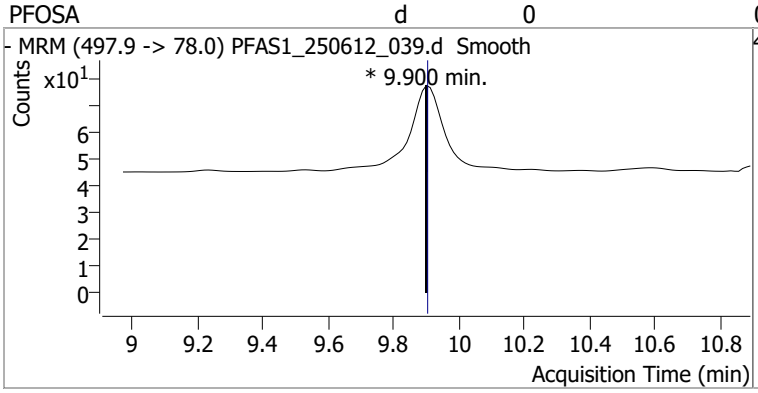
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5737	9.90	0.00	60970				

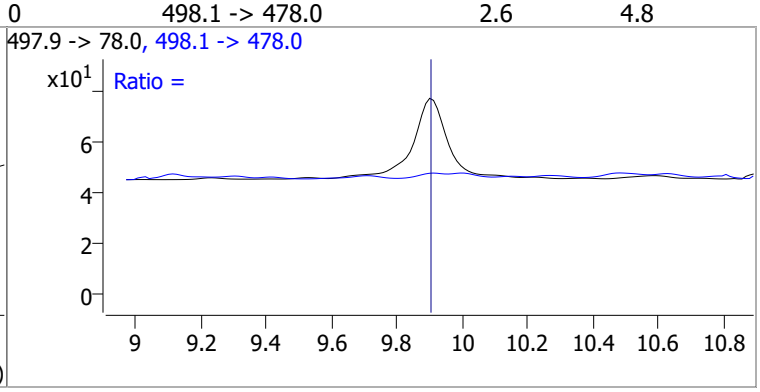




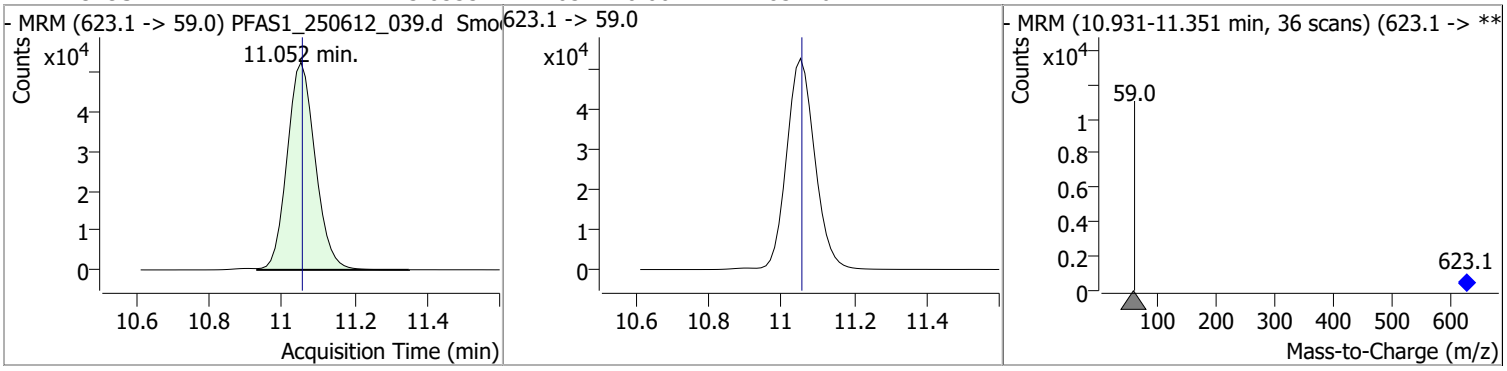


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

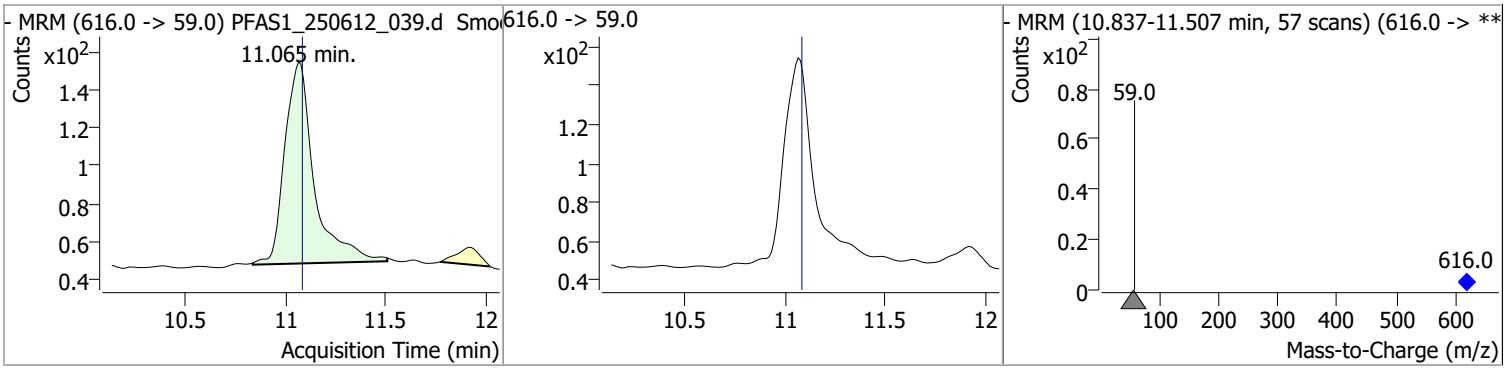




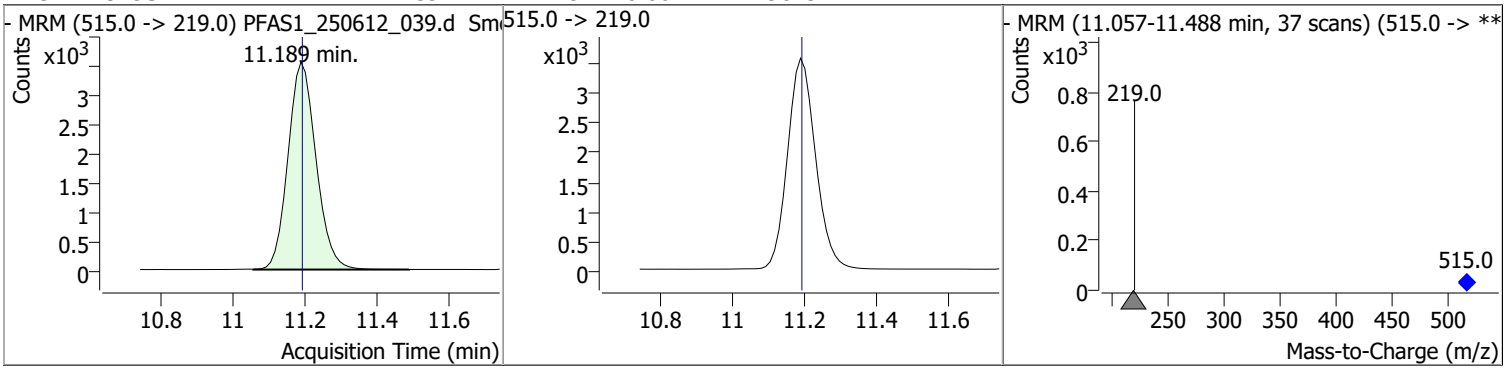
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.8535	11.05	0.00	283116				



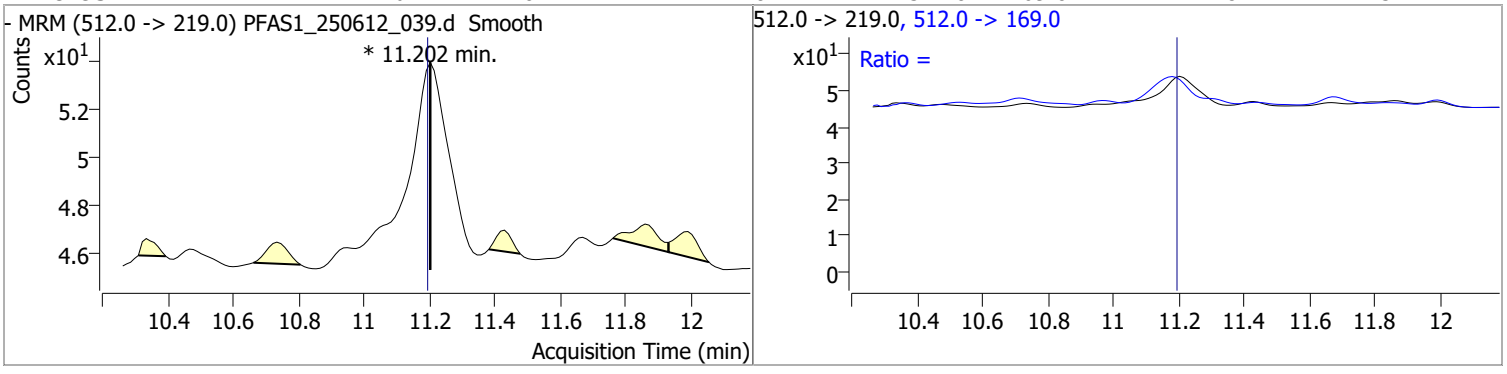
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0248	11.07	-0.01	1083				



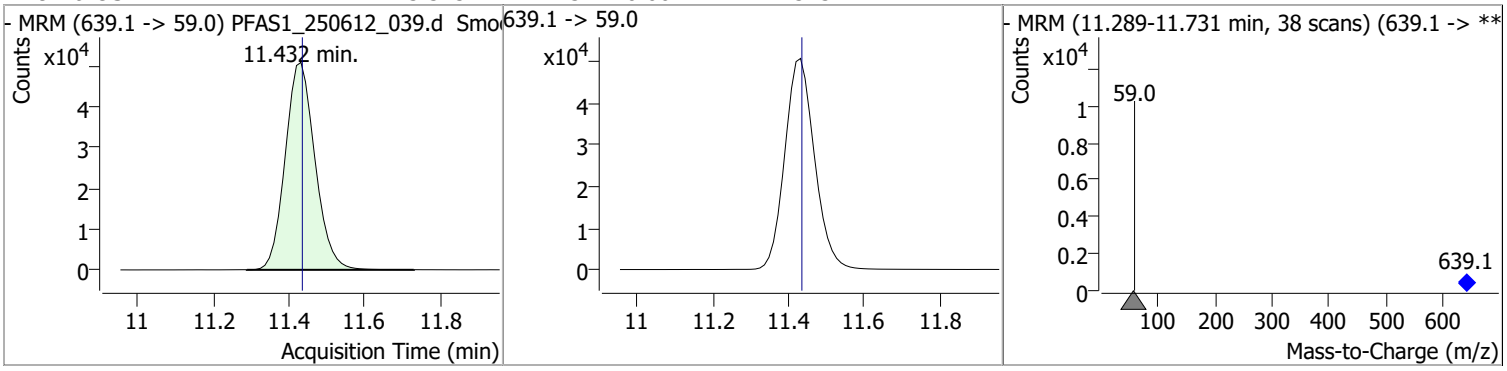
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3944	11.19	0.00	19049				



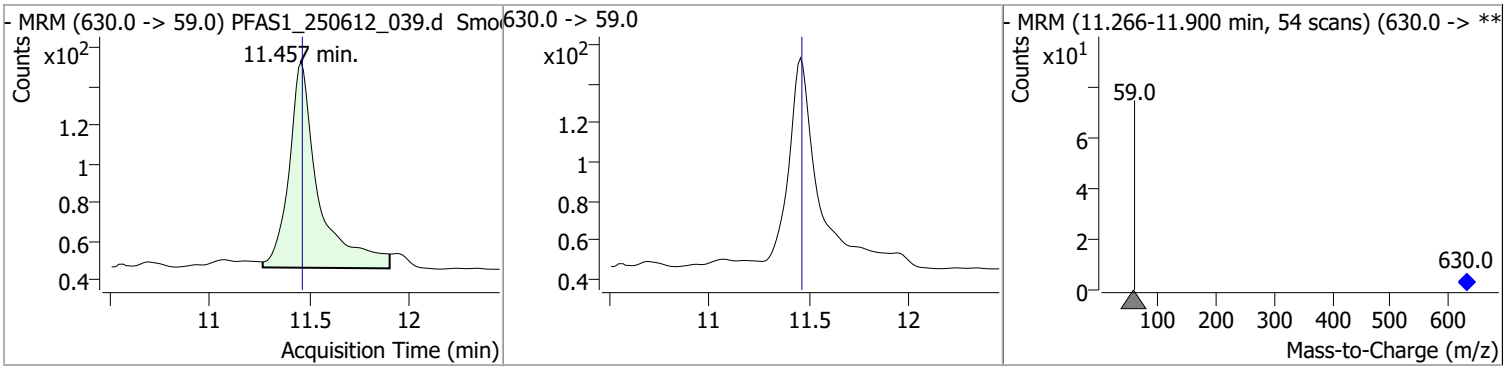
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



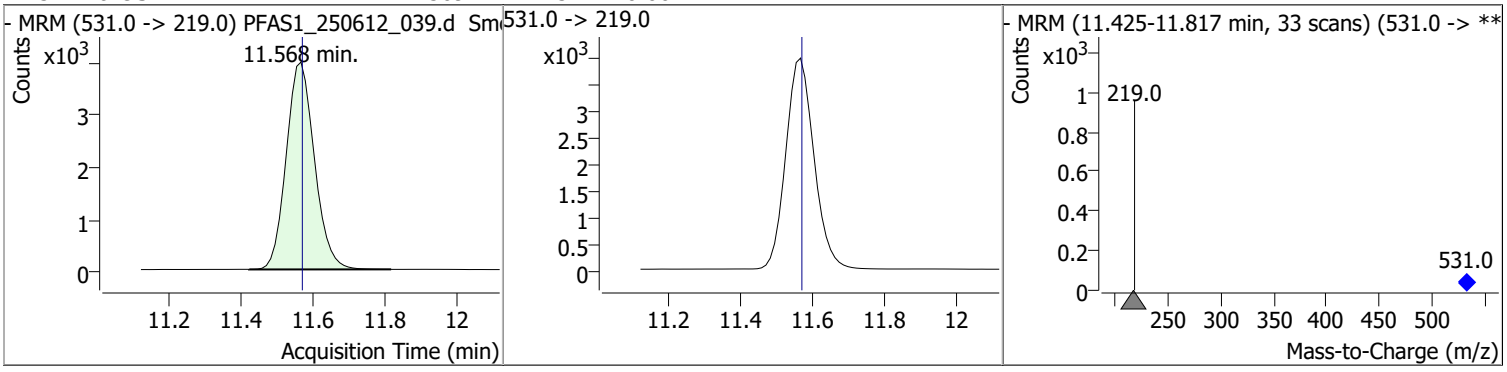
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.3757	11.43	0.00	277543				



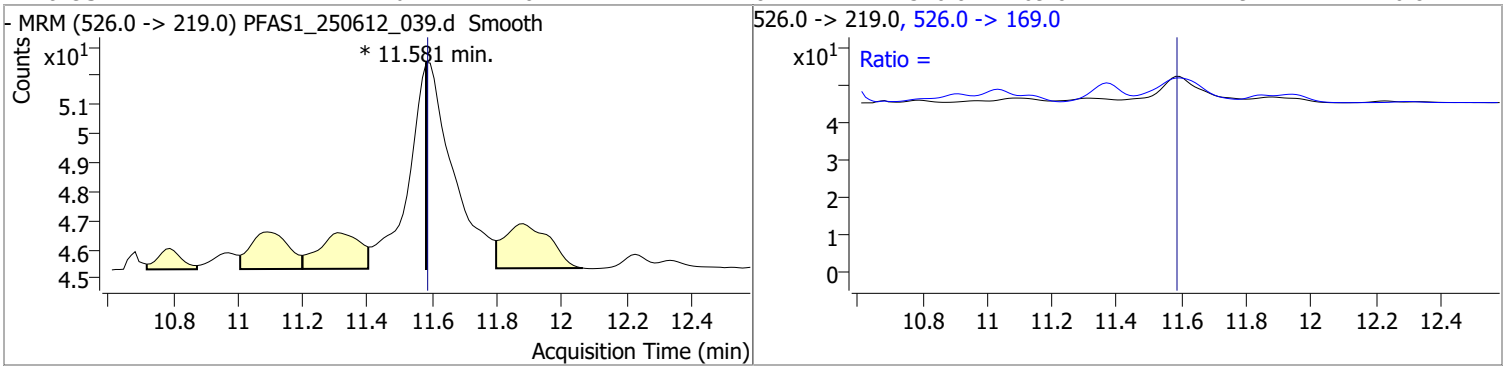
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	1096				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4509	11.57	0.00	21424				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_039.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:21:58 PM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

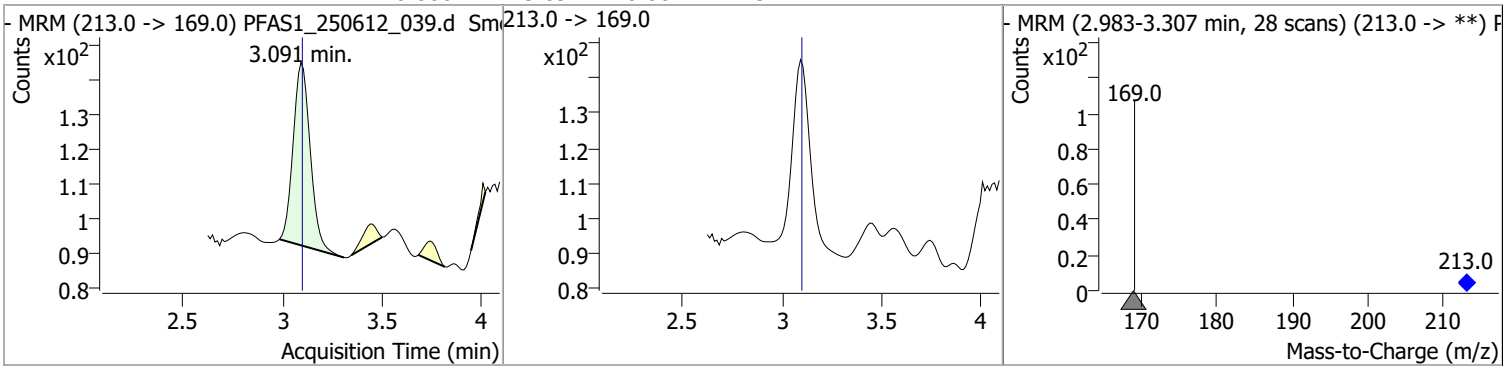
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	181987	5.0000	µg/L	15.052
13C2-PFHxA	5.479	315.0 -> 270.0	196038	2.5000	µg/L	9.717
18O2-PFHxS	6.796	403.0 -> 84.0	25522	2.5000	µg/L	8.601
13C4-PFOA	6.651	417.0 -> 172.0	22415	2.5000	µg/L	10.991
13C5-PFNA	7.125	468.0 -> 423.0	135097	1.2500	µg/L	12.884
13C2-PFDA	7.564	515.0 -> 470.0	134195	1.2500	µg/L	7.243
13C4-PFOS	7.745	503.0 -> 80.0	26975	2.5000	µg/L	8.049
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	422570	10.0000	µg/L	15.775
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C4-PFBA	3.095	217.0 -> 172.0	422570	10.0000	µg/L	15.775
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.57%		
13C5-PFPeA	4.594	268.0 -> 223.0	302181	5.0000	µg/L	12.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.13%		
13C5-PFPeA	4.594	268.0 -> 223.0	302181	5.0000	µg/L	12.016
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.13%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20556	5.0000	µg/L	27.562
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.07%		
13C5-PFHxA	5.478	318.0 -> 273.0	205495	2.5000	µg/L	11.682
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.77%		
13C5-PFHxA	5.478	318.0 -> 273.0	205495	2.5000	µg/L	11.682
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.77%		
13C3-PFBS	5.494	302.0 -> 80.0	49262	2.5000	µg/L	15.565
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.63%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	244863	10.0000	µg/L	10.362
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 100.55%		
13C4-PFHpA	6.130	367.0 -> 322.0	234910	2.5000	µg/L	10.184
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.38%		
13C3-PFHxS	6.797	402.0 -> 80.0	29601	2.5000	µg/L	9.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14229	5.0000	µg/L	26.176
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 116.63%		
13C8-PFOA	6.650	421.0 -> 376.0	253726	2.5000	µg/L	12.320
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.11%		
13C3-PFHxS	6.797	402.0 -> 80.0	29601	2.5000	µg/L	9.708
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 101.06%		
13C9-PFNA	7.125	472.0 -> 427.0	141153	1.2500	µg/L	15.038
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.94%		
13C8-PFOS	7.744	507.0 -> 80.0	27513	2.5000	µg/L	11.190
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14990	5.0000	µg/L	21.788
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.21%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	14990	5.0000	µg/L	21.788
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 112.21%		
13C6-PFDA	7.563	519.0 -> 474.0	153289	1.2500	µg/L	15.339

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 107.61%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	103967	5.0000	µg/L		11.864
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.24%			
13C8-PFOS	7.744	507.0 -> 80.0	27513	2.5000	µg/L		11.190
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%			
2H5-N-EtFOSAA	7.915	589.0 -> 419.0	82471	5.0000	µg/L		10.639
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.19%			
13C7-PFUnDA	7.999	570.0 -> 525.0	128457	1.2500	µg/L		11.350
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.86%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	107167	1.2500	µg/L		8.246
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.85%			
13C2-PFDoDA	8.412	615.0 -> 570.0	108108	1.2500	µg/L		7.838
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.48%			
13C2-PFTDA	9.185	715.0 -> 670.0	106226	1.2500	µg/L		8.664
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.24%			
13C8-PFOSA	9.897	506.0 -> 78.0	60970	2.5000	µg/L		11.473
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.95%			
2H7-MeFOSE	11.052	623.1 -> 59.0	283116	25.0000	µg/L		3.060
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 95.41%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	19049	2.5000	µg/L		3.788
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.77%			
2H9-EtFOSE	11.432	639.1 -> 59.0	277543	25.0000	µg/L		1.007
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 93.50%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21424	2.5000	µg/L		6.077
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.03%			
Target Compounds							QValue
PFBA	3.091	213.0 -> 169.0	311	0.0601	µg/L		100
PFMPA	3.794	229.0 -> 85.0	57	0.0388	µg/L		100
3-3 FTCA	4.018	241.0 -> 177.0	22	0.0526	µg/L		21
PFPeA	4.596	263.0 -> 219.0	339	0.0360	µg/L	#	99
PFMBA	4.910	279.0 -> 85.0	183	0.0479	µg/L		100
4-2 FTSA	5.239	327.0 -> 307.0	43	0.0082	µg/L		41
NFDHA	5.378	295.0 -> 201.0	43	0.0000	µg/L	#	73
PFHxA	5.480	313.0 -> 269.0	334	0.0107	µg/L		100
PFBS	5.483	298.9 -> 80.0	57	0.0000	µg/L	#	77
HFPO-DA	5.736	285.0 -> 169.0	128	0.0142	µg/L		99
PFEESA	5.860	314.9 -> 135.0	216	0.0000	µg/L		80
5-3 FTCA	6.132	341.0 -> 237.0	335	0.6972	µg/L		93
PFHpA	6.154	363.0 -> 319.0	301	0.0221	µg/L	#	44
PFPeS	6.252	348.9 -> 80.0	44	0.0176	µg/L	#	76
DONA	6.333	377.0 -> 251.0	258	0.0451	µg/L		90
6-2 FTSA	6.448	427.0 -> 407.0	87	0.0000	µg/L		98
PFOA	6.651	413.0 -> 369.0	638	0.0164	µg/L		94
PFHxS	6.798	398.9 -> 80.0	135	0.0043	µg/L		94
PFNA	7.126	463.0 -> 419.0	152	0.0133	µg/L		97
PFHpS	7.283	448.9 -> 80.0	33	0.0015	µg/L		26
8-2 FTSA	0.000		0	N.D.			
7-3 FTCA	7.463	441.0 -> 317.0	440	0.7118	µg/L		80
PFDA	7.564	513.0 -> 469.0	286	0.0196	µg/L	#	90
N-MeFOSAA	7.692	570.0 -> 419.0	133	0.0044	µg/L		92
PFOS	7.746	498.9 -> 80.0	412	0.0056	µg/L		94
N-EtFOSAA	7.951	584.0 -> 419.0	112	0.0169	µg/L	#	46
PFUnDA	8.012	563.0 -> 519.0	97	0.0119	µg/L	#	1
9Cl-PF3ONS	8.062	530.9 -> 350.9	362	0.0055	µg/L	#	1

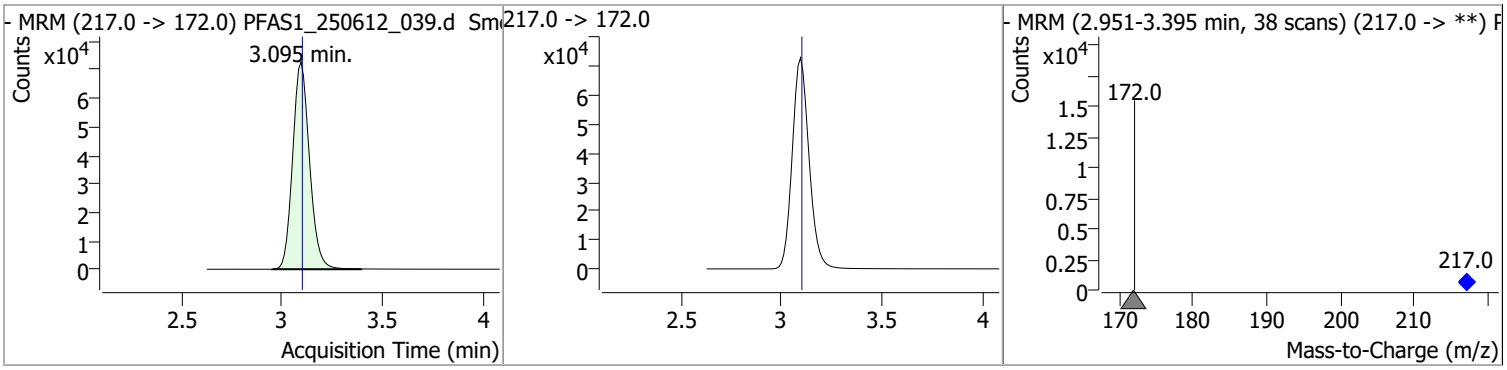
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.169	548.9 -> 80.0	14	0.0000	µg/L		26
PFDoDA	8.412	613.0 -> 569.0	438	0.0104	µg/L	#	78
PFDS	8.618	598.9 -> 80.0	34	0.0194	µg/L		78
PFTrDA	8.805	663.0 -> 619.0	378	0.0198	µg/L		94
11Cl-PF3OUdS	8.879	630.9 -> 450.9	300	0.0156	µg/L		91
PFTDA	9.186	712.9 -> 669.0	519	0.0208	µg/L		77
PFDoS	9.392	698.9 -> 80.0	21	0.0226	µg/L		22
PFOSA	9.900	497.9 -> 78.0	243	0.0155	µg/L	#	73
MeFOSE	11.065	616.0 -> 59.0	1083	0.0248	µg/L		100
N-MeFOSA	11.202	512.0 -> 219.0	42	0.0073	µg/L	#	62
EtFOSE	11.457	630.0 -> 59.0	1096	0.0000	µg/L		100
N-EtFOSA	11.581	526.0 -> 219.0	67	0.0266	µg/L		90

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

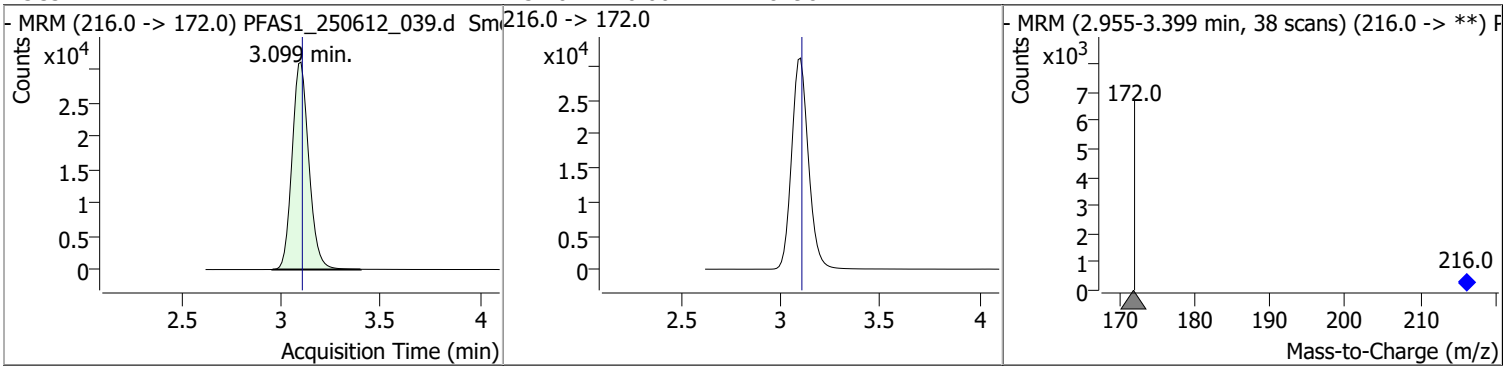
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0601	3.09	0.00	311				



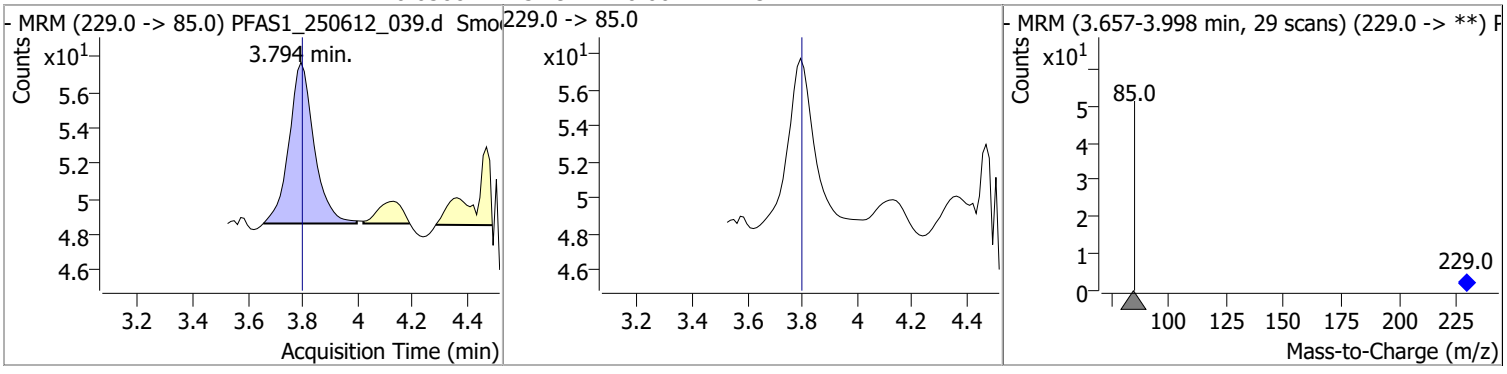
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0570	3.09	0.00	422570				



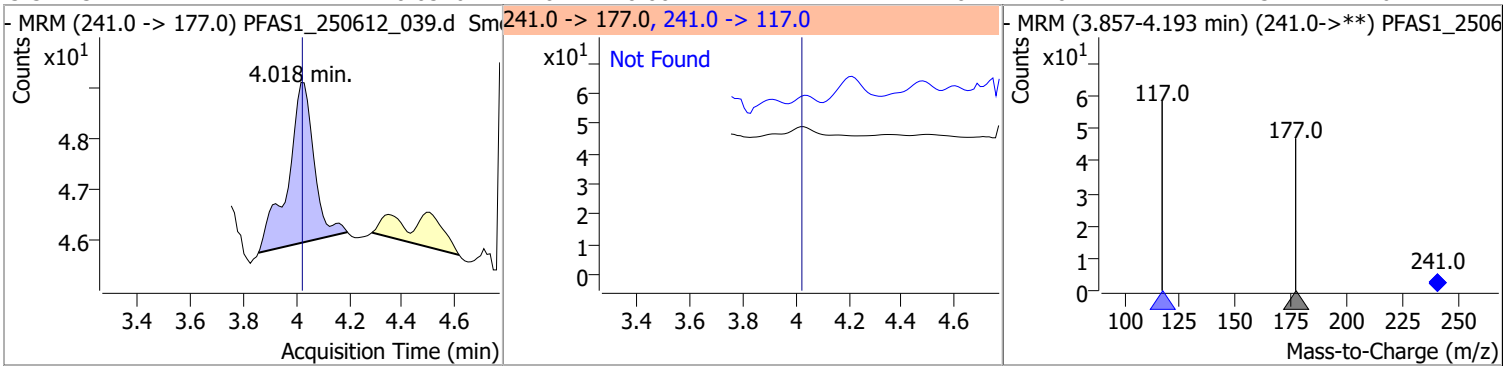
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	181987				



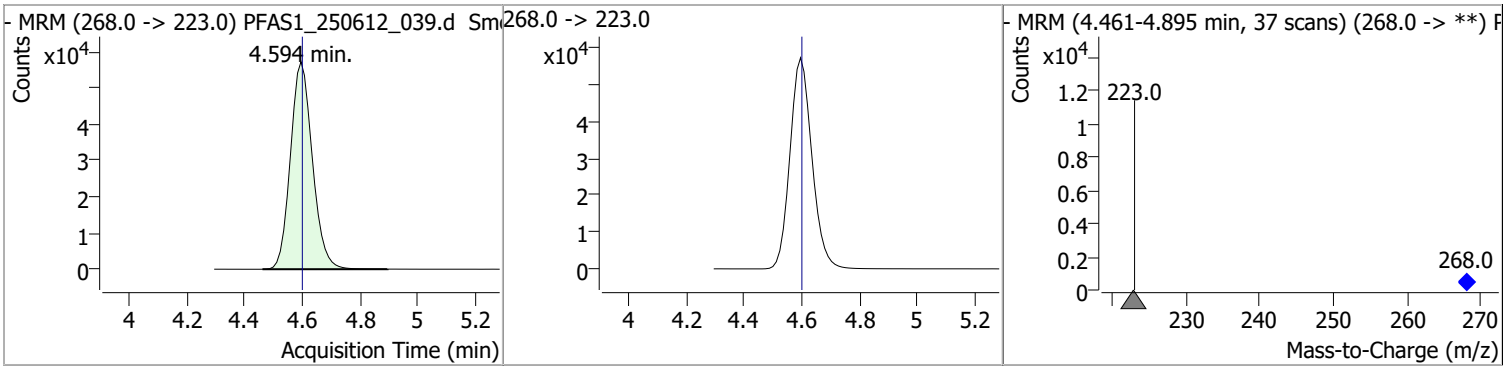
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0388	3.79	0.00	57				



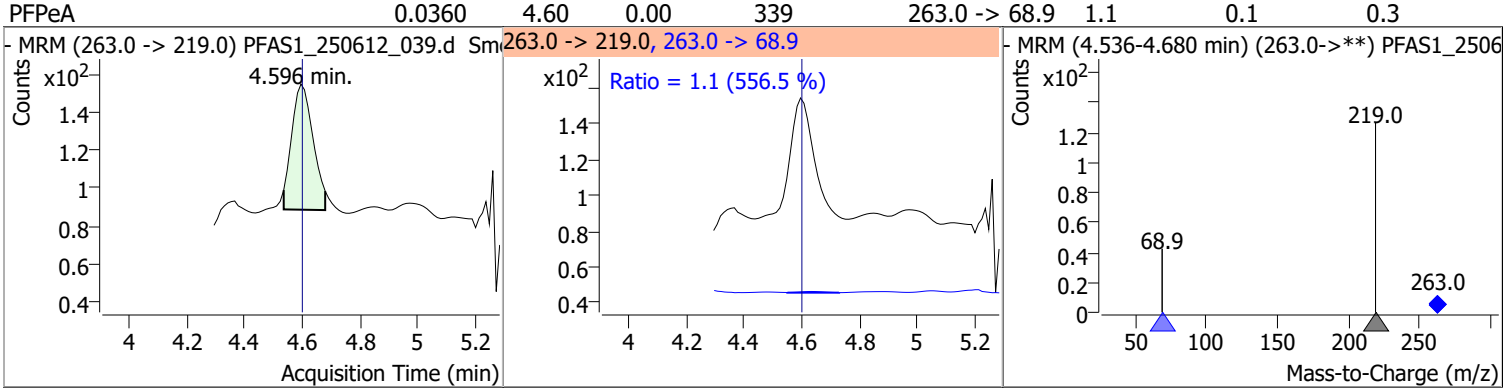
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0526	4.02	0.00	22	241.0 -> 117.0		41.3	76.7



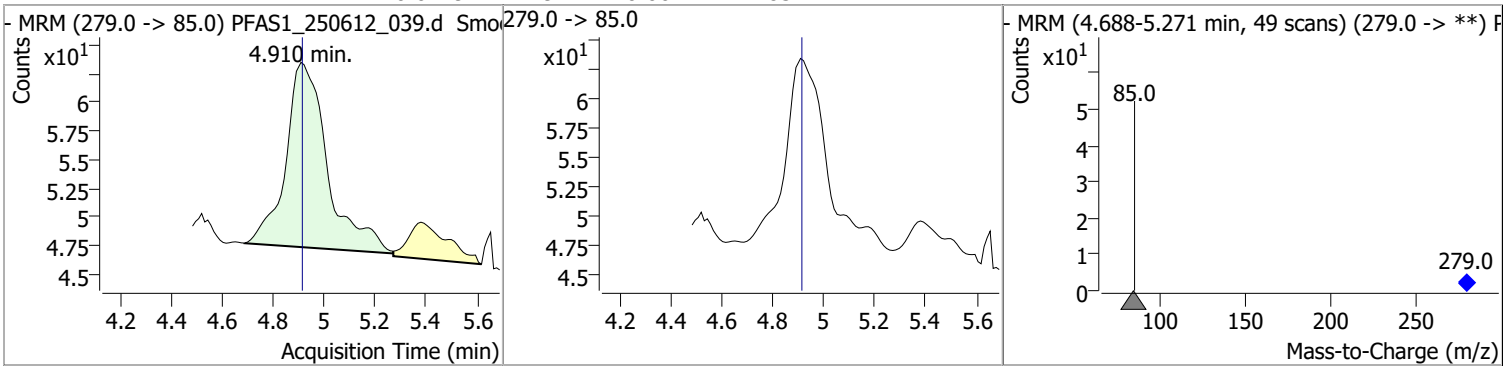
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1065	4.59	0.00	302181				



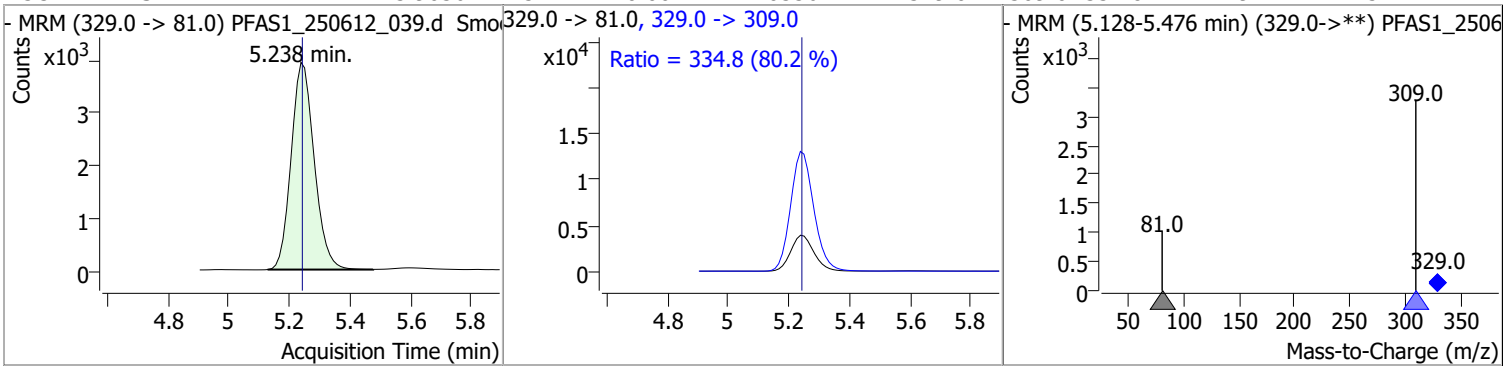
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0360	4.60	0.00	339	263.0 -> 68.9	1.1	0.1	0.3



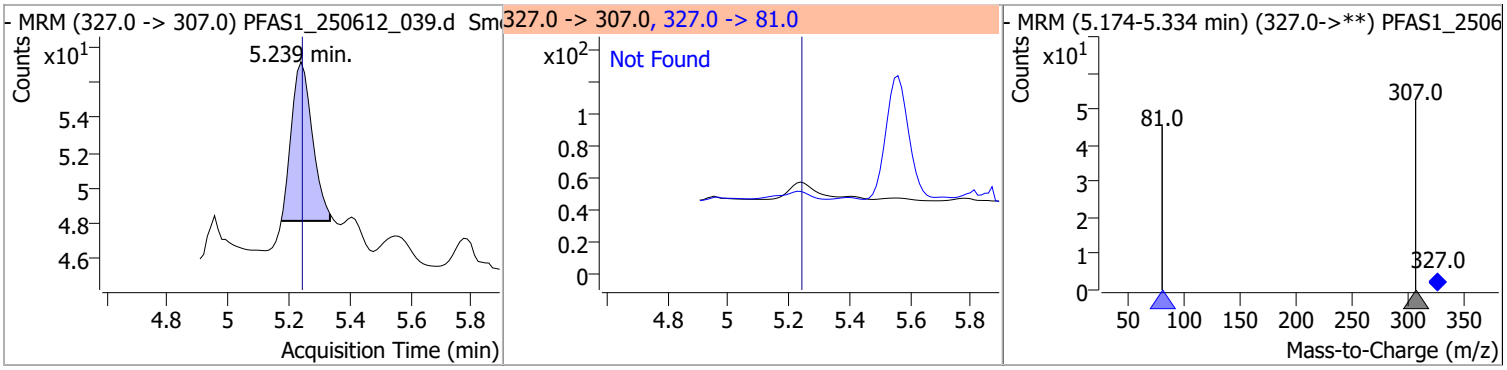
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0479	4.91	0.00	183				



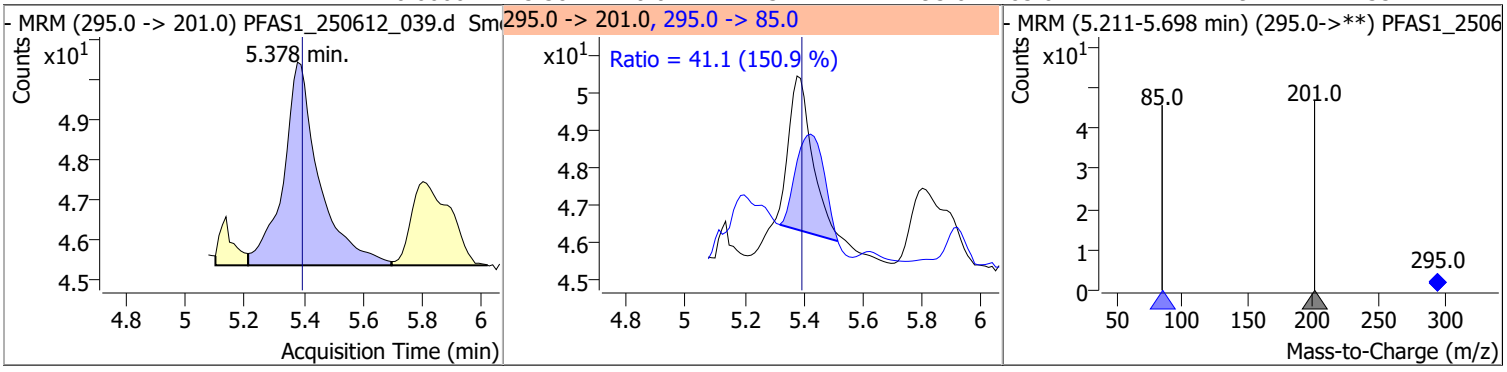
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9036	5.24	0.00	20556	329.0 -> 309.0	334.8	292.1	542.4



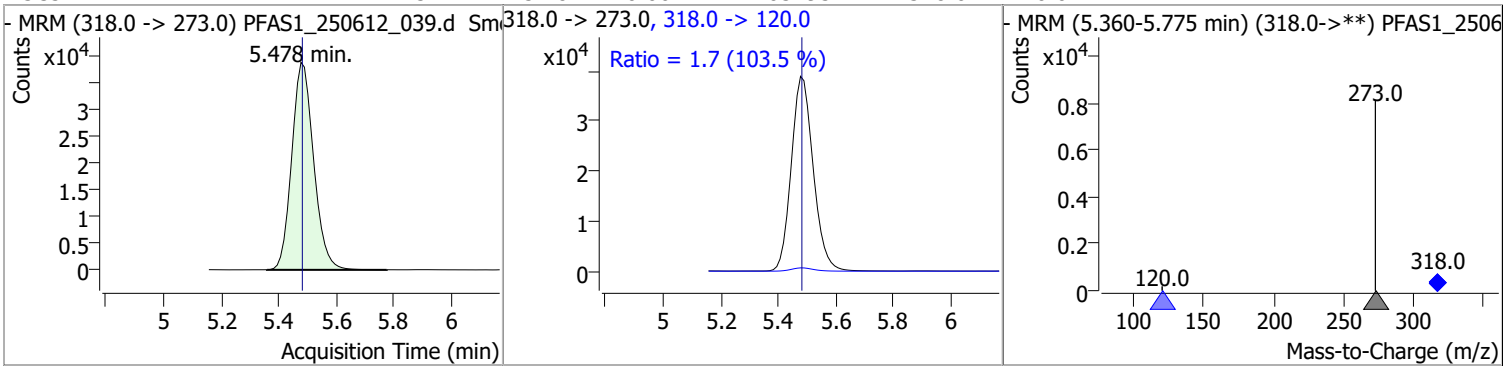
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0082	5.24	0.00	43	327.0 -> 81.0		23.6	43.9



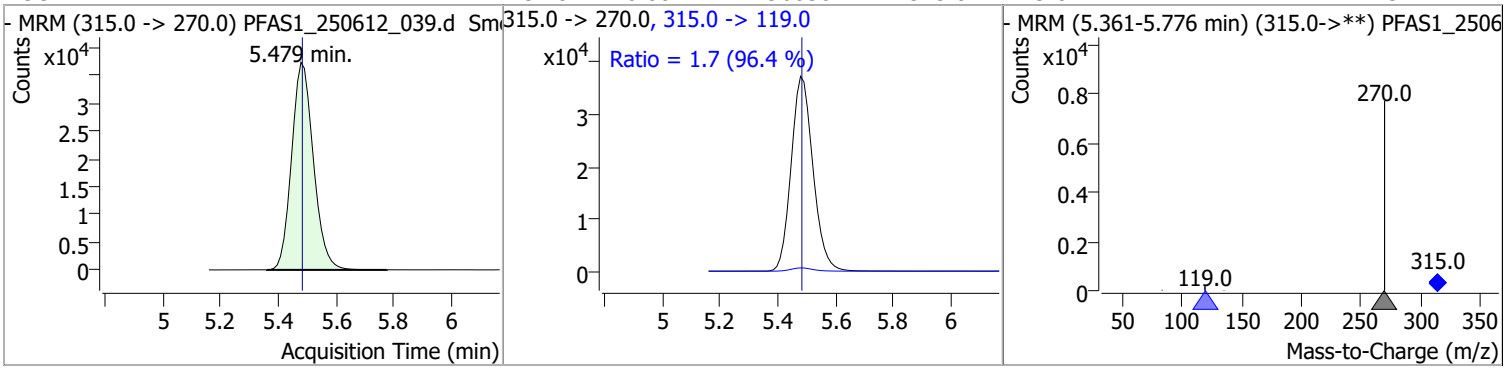
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0000	5.38	-0.01	43	295.0 -> 85.0	41.1	19.1	35.4



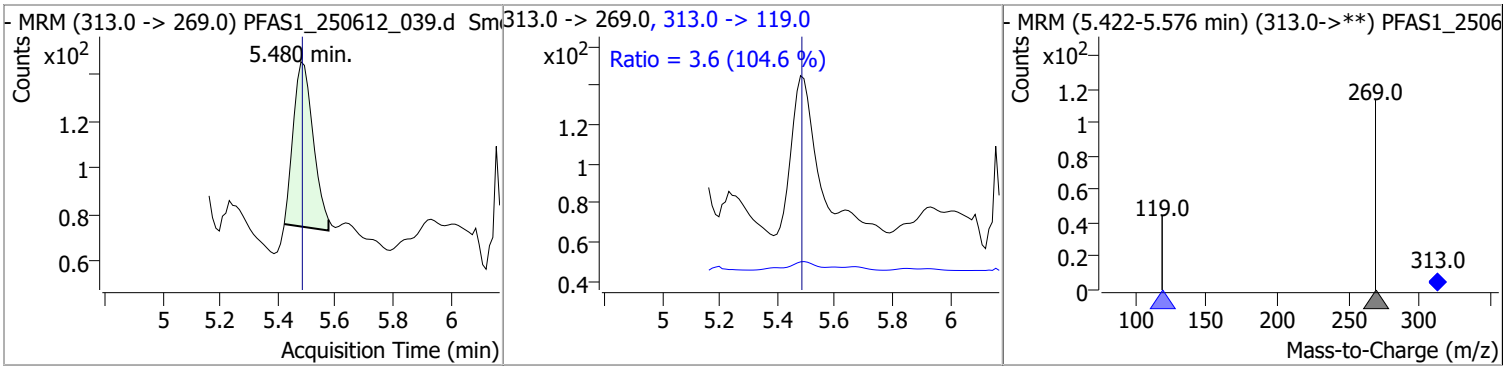
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5444	5.48	0.00	205495	318.0 -> 120.0	1.7	1.1	2.1



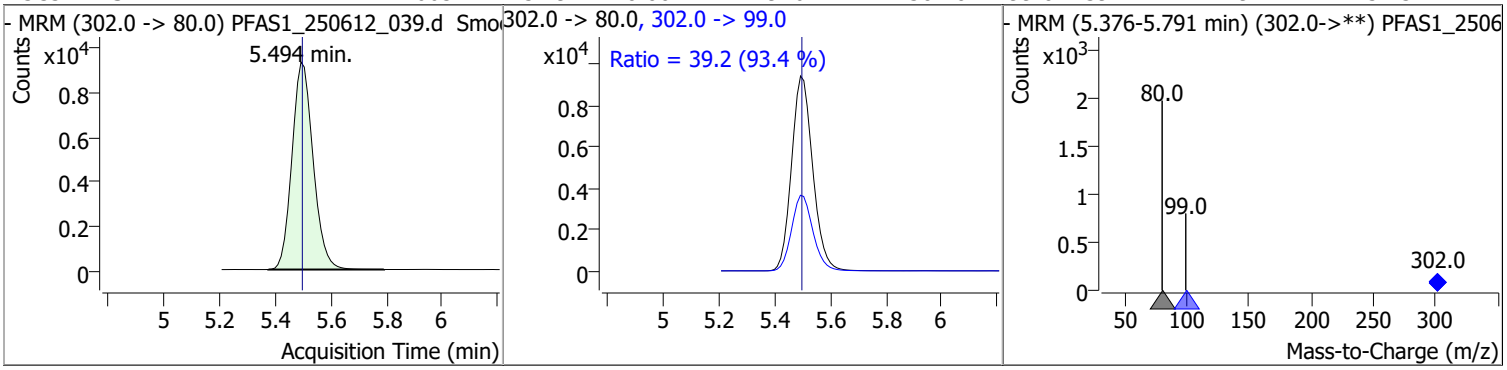
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	196038	315.0 -> 119.0	1.7	1.2	2.3



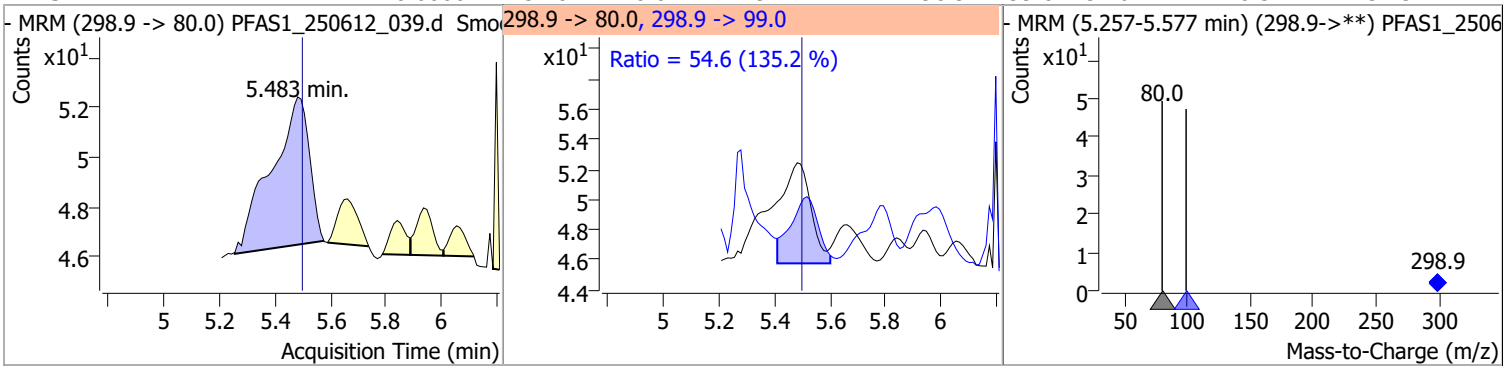
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0107	5.48	0.00	334	313.0 -> 119.0	3.6	2.4	4.5



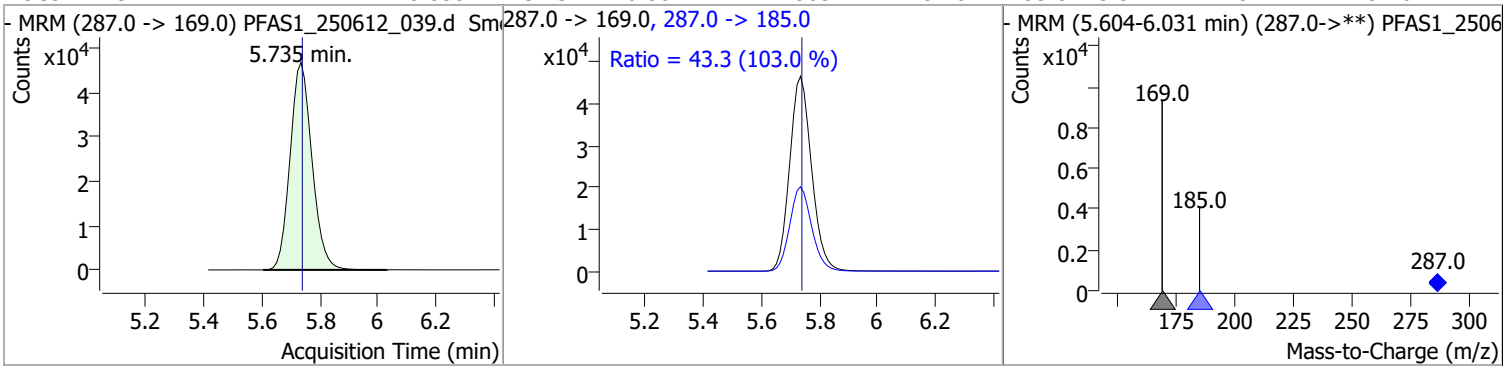
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6657	5.49	0.00	49262	302.0 -> 99.0	39.2	29.4	54.5



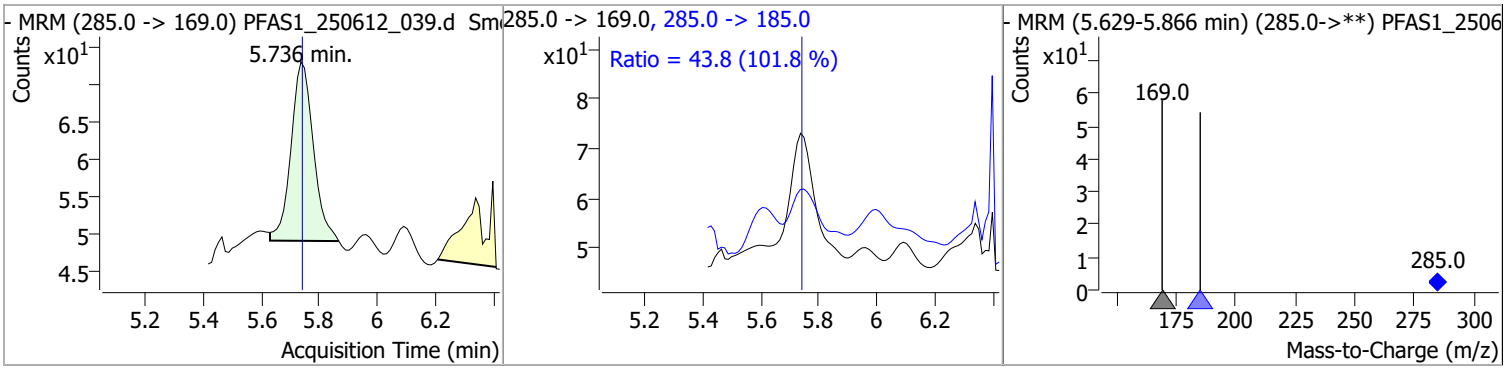
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.48	-0.01	57	298.9 -> 99.0	54.6	28.3	52.5



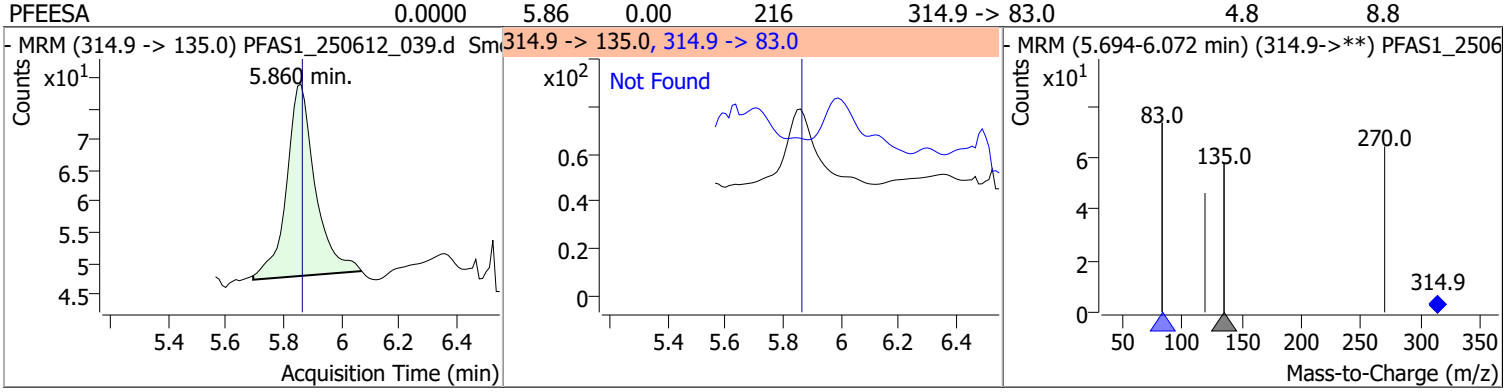
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0554	5.73	0.00	244863	287.0 -> 185.0	43.3	29.4	54.6



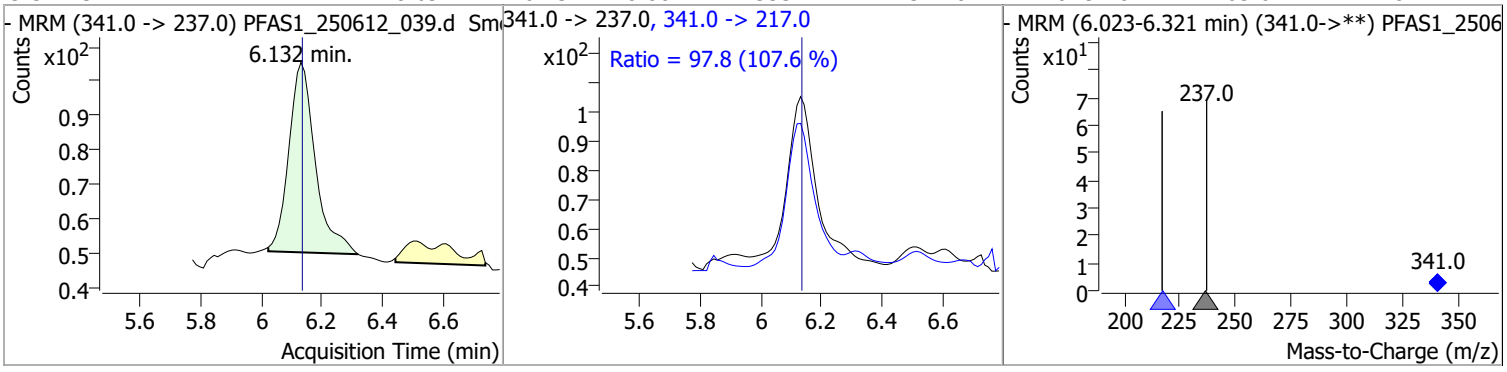
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0142	5.74	0.00	128	285.0 -> 185.0	43.8	30.1	56.0



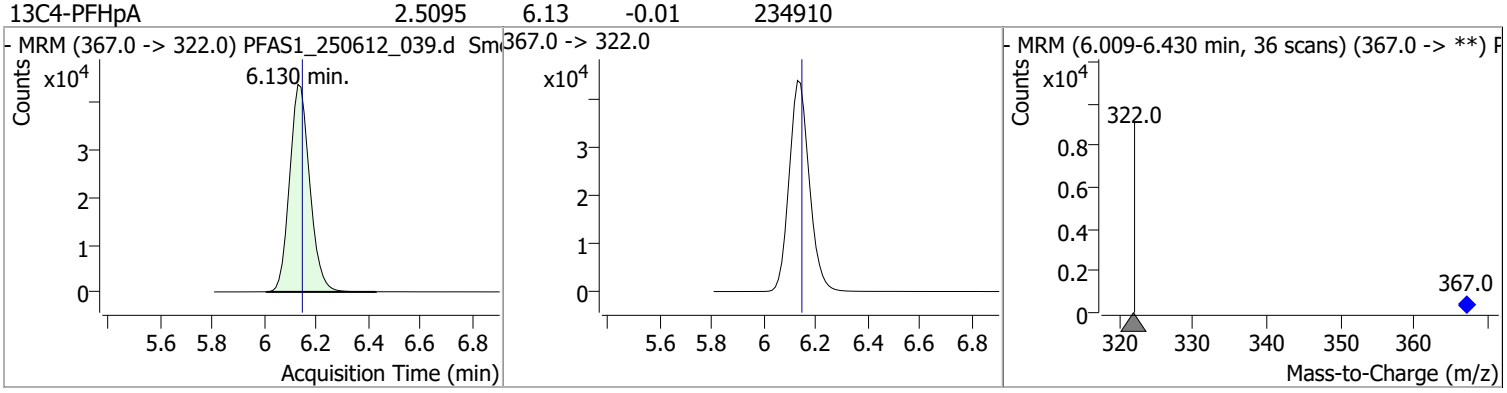
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.86	0.00	216	314.9 -> 83.0		4.8	8.8



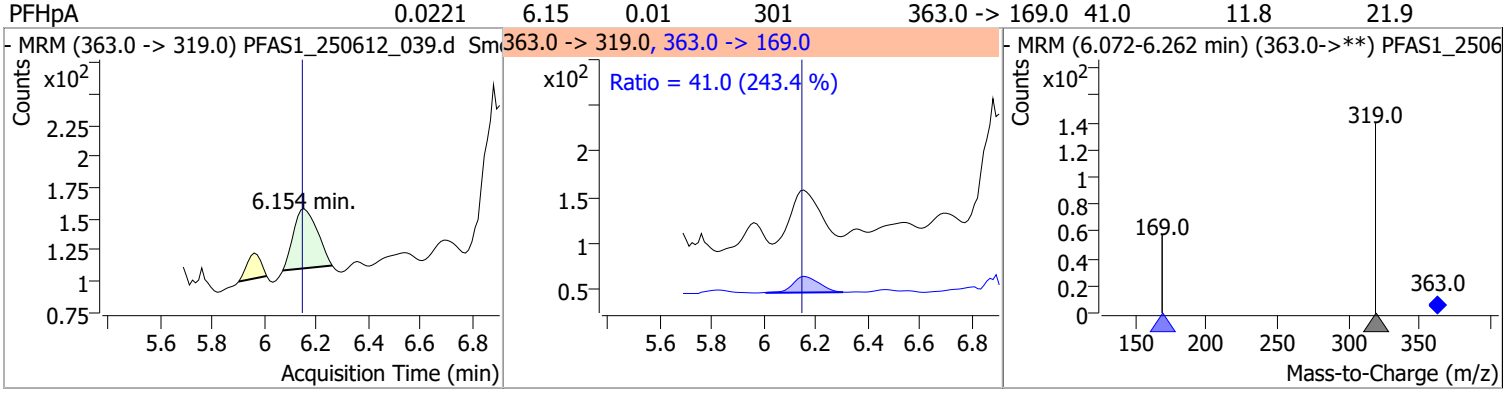
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.6972	6.13	0.00	335	341.0 -> 217.0	97.8	63.6	118.1



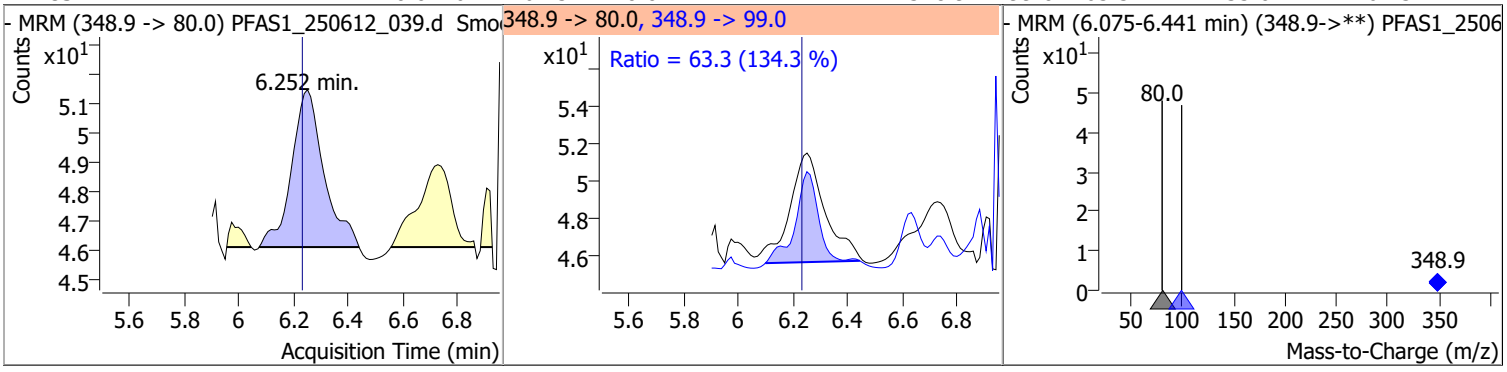
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5095	6.13	-0.01	234910				



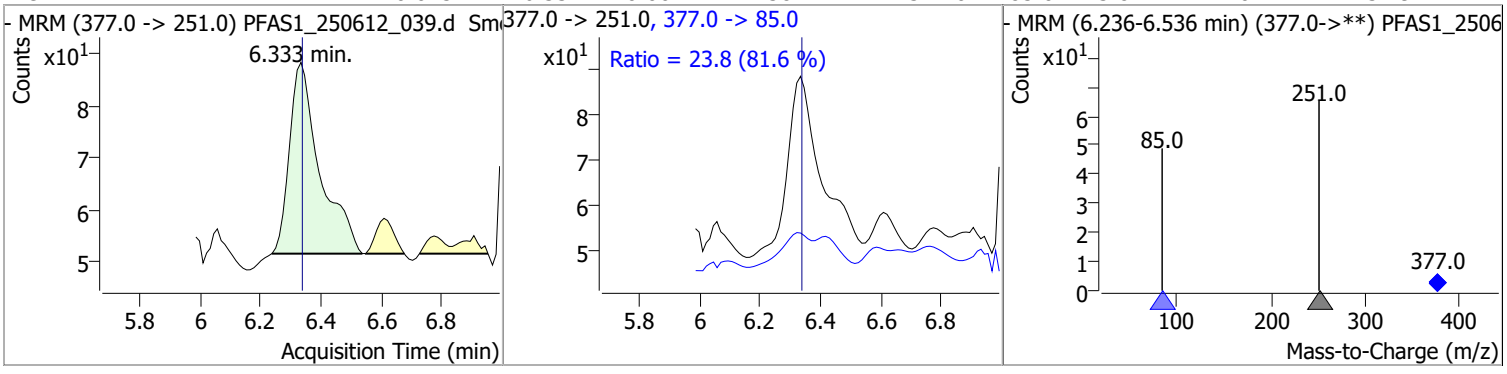
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0221	6.15	0.01	301	363.0 -> 169.0	41.0	11.8	21.9



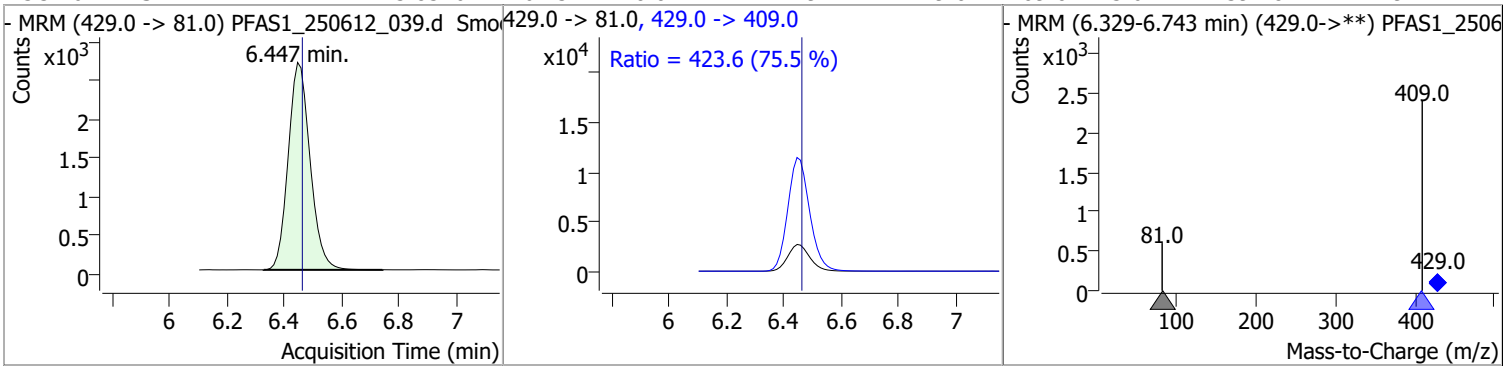
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0176	6.25	0.02	44	348.9 -> 99.0	63.3	33.0	61.3



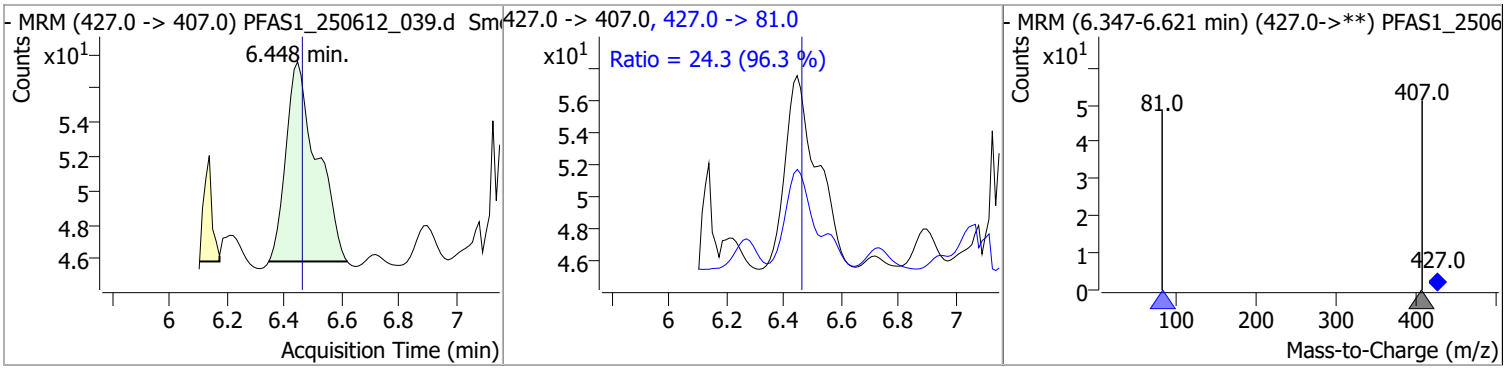
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0451	6.33	0.00	258	377.0 -> 85.0	23.8	20.4	37.9



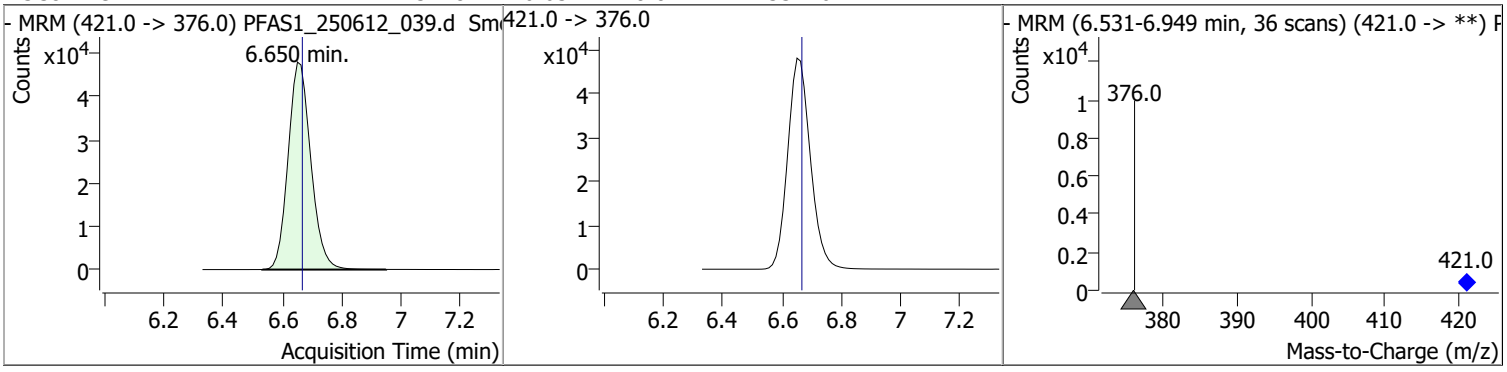
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.8316	6.45	-0.01	14229	429.0 -> 409.0	423.6	392.8	729.4



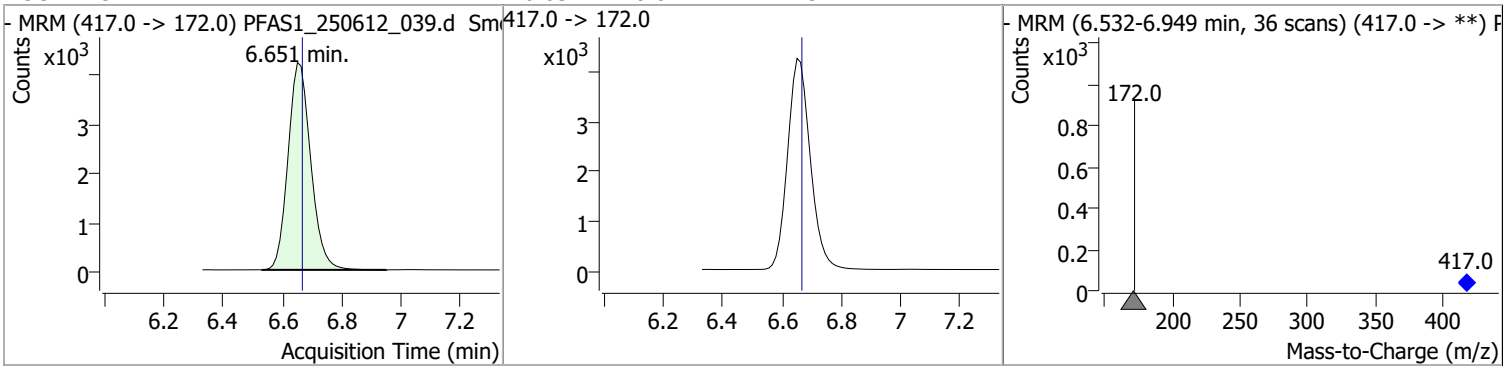
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	87	427.0 -> 81.0	24.3	17.7	32.8



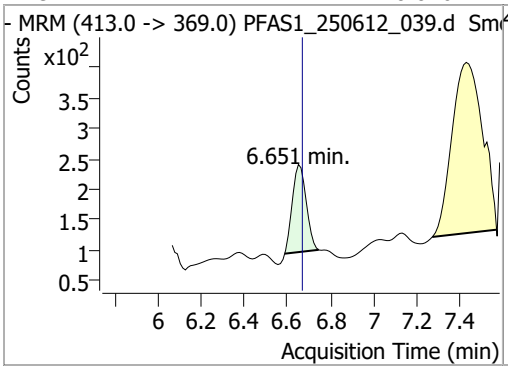
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5278	6.65	-0.01	253726				

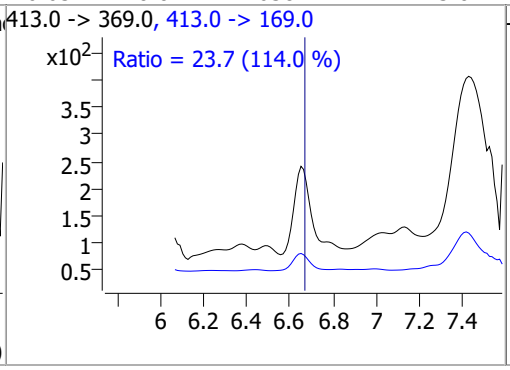


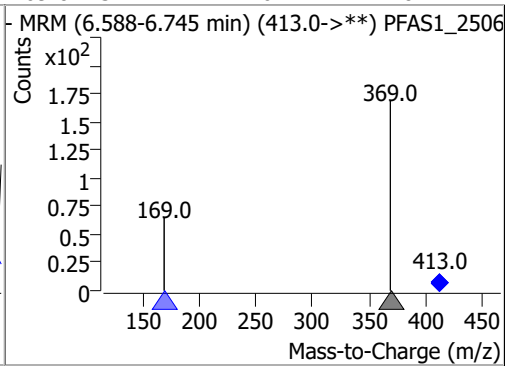
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22415				



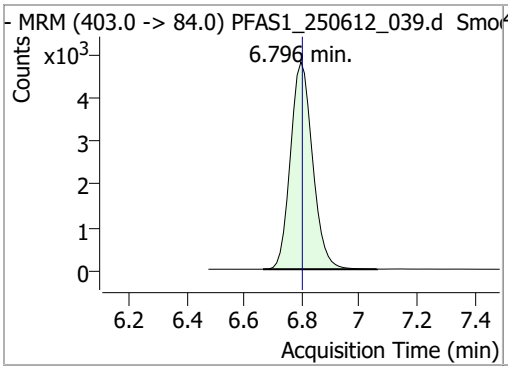
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0164	6.65	-0.01	638	413.0 -> 169.0	23.7	14.6	27.0

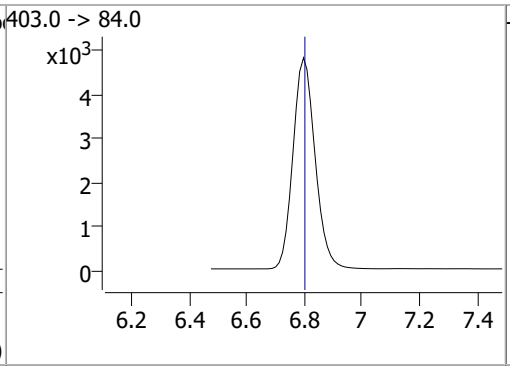


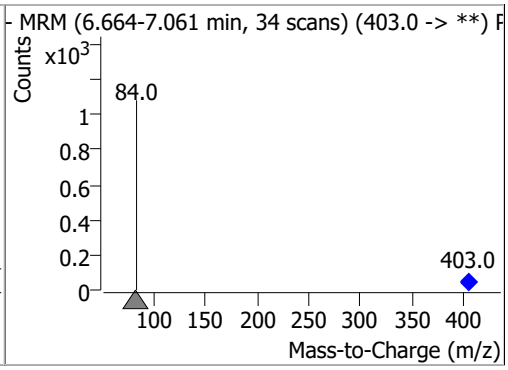




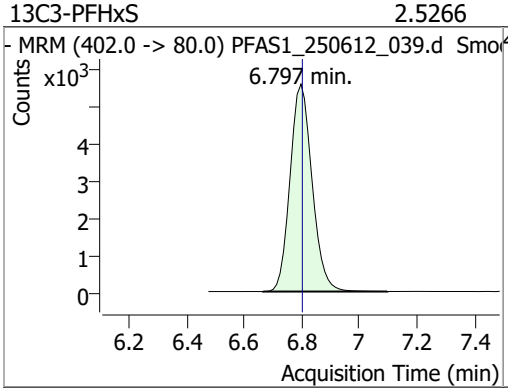
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	25522				

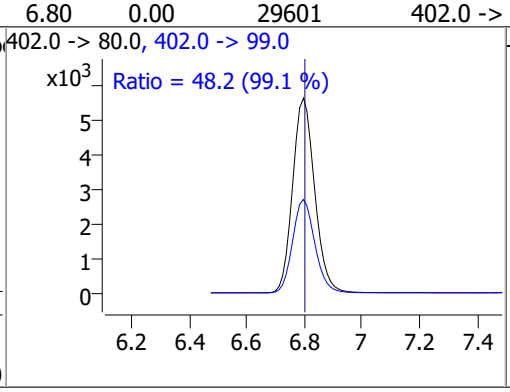


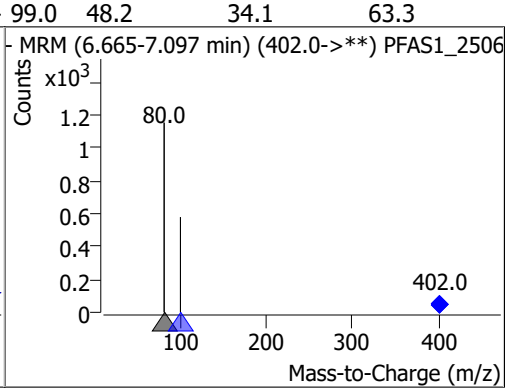




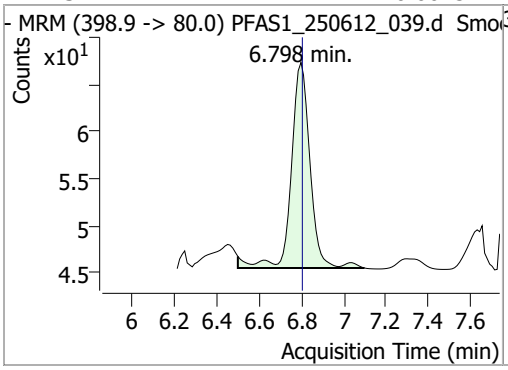
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5266	6.80	0.00	29601	402.0 -> 99.0	48.2	34.1	63.3

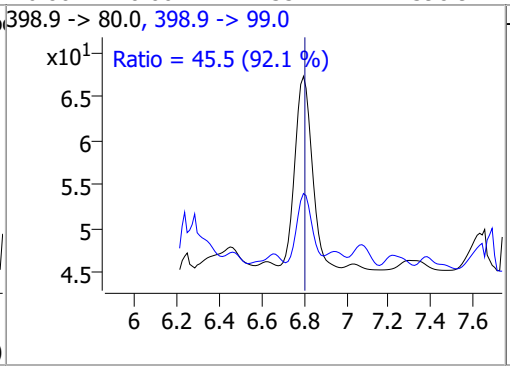


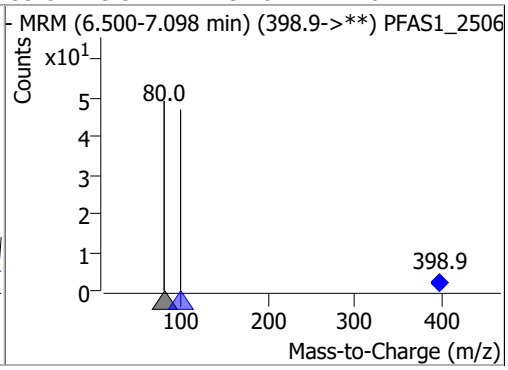




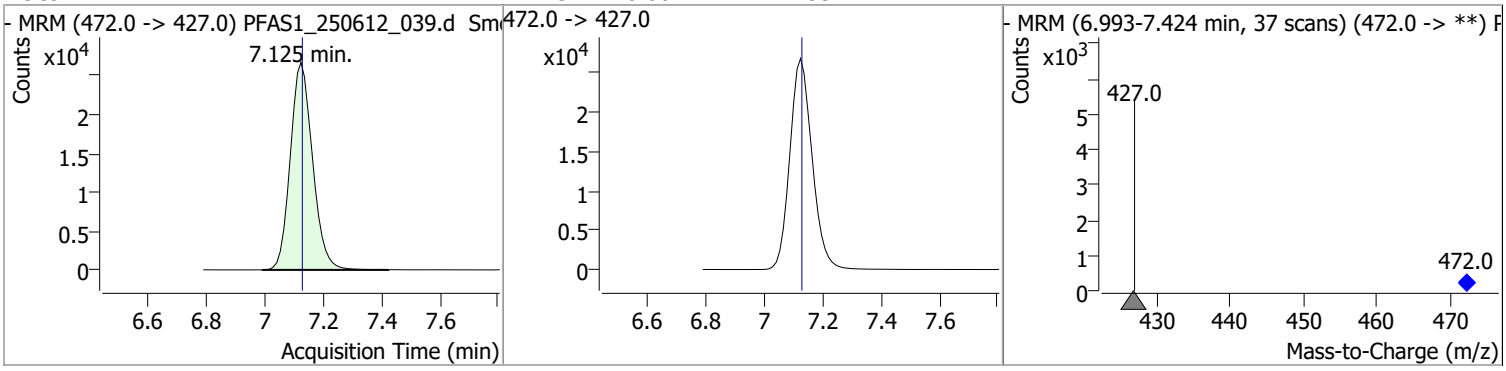
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0043	6.80	0.00	135	398.9 -> 99.0	45.5	34.6	64.2



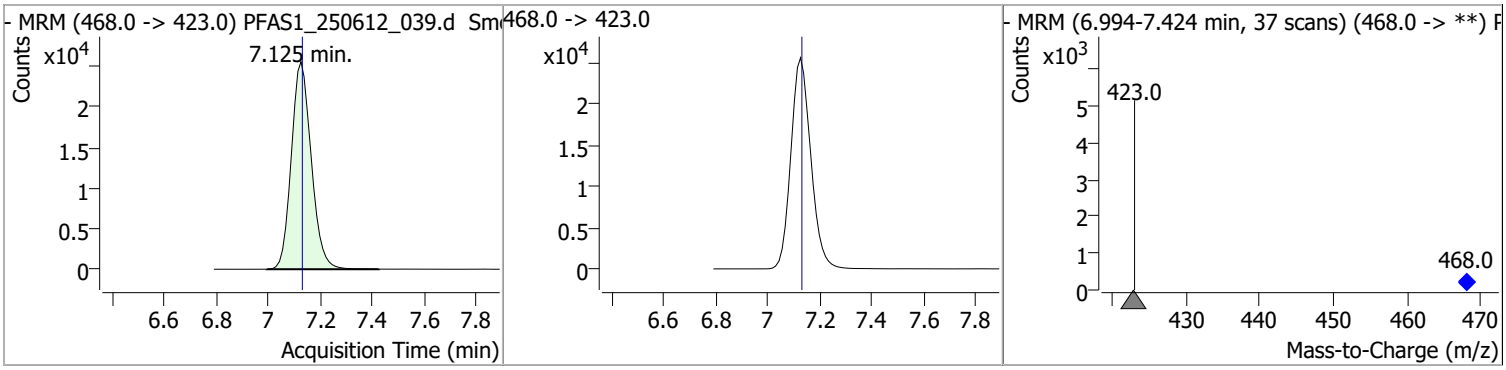




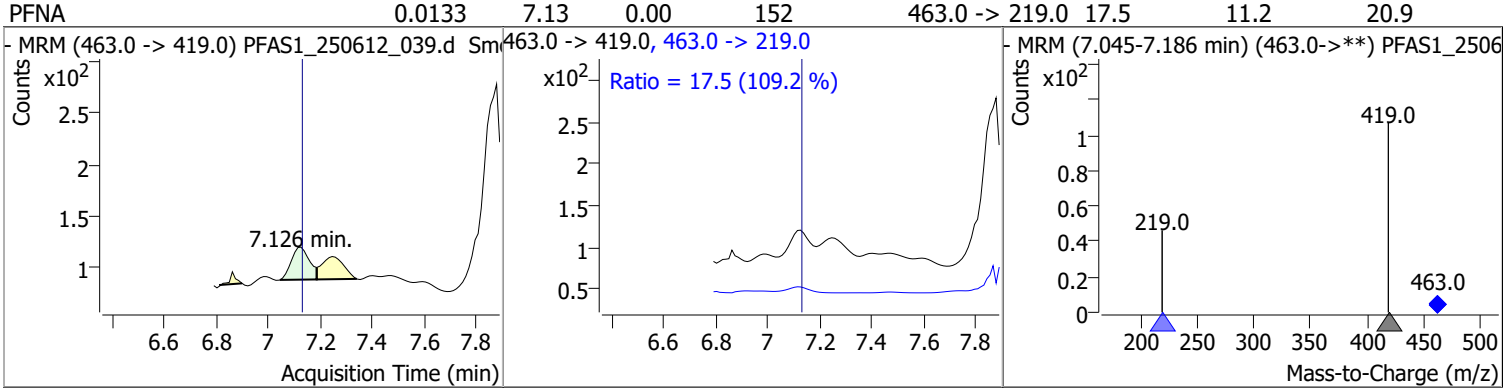
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2742	7.13	0.00	141153				



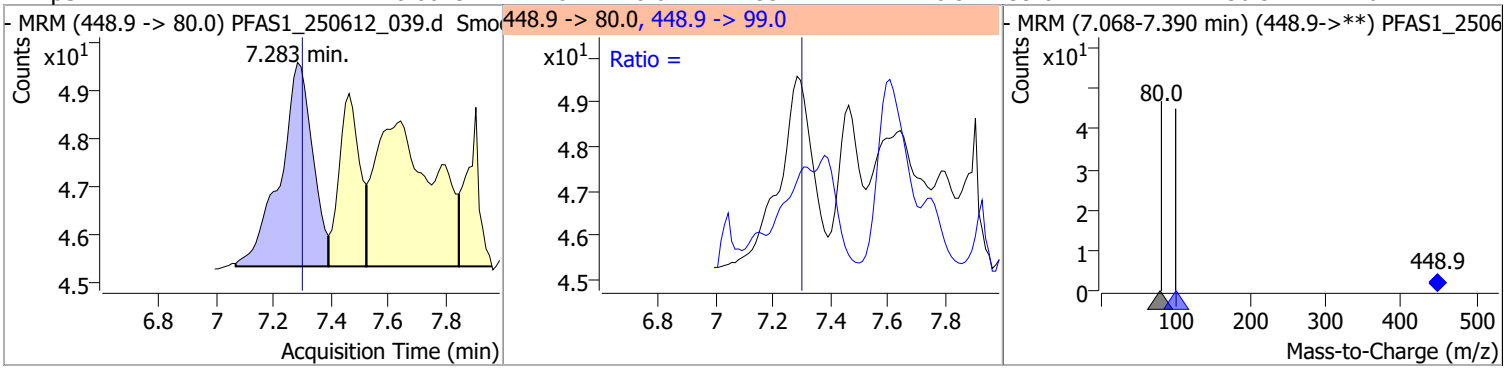
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	135097				



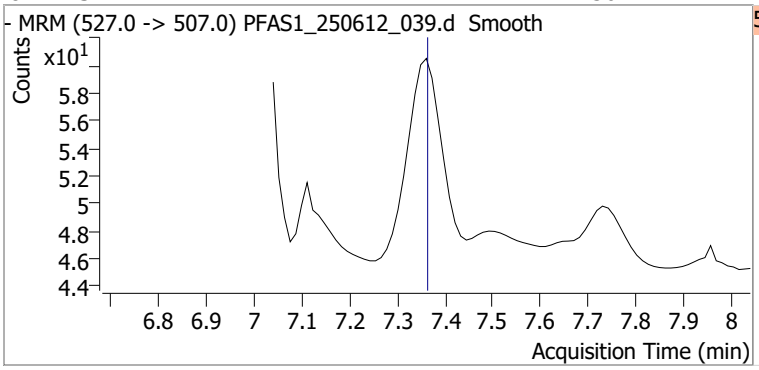
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0133	7.13	0.00	152	463.0 -> 219.0	17.5	11.2	20.9

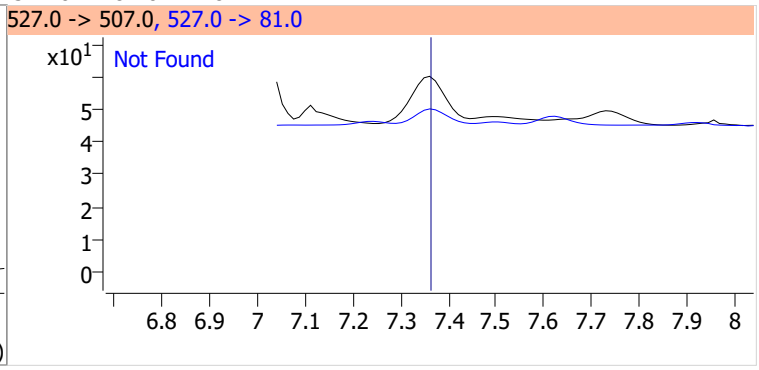


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0015	7.28	-0.01	33	448.9 -> 99.0		36.5	67.7

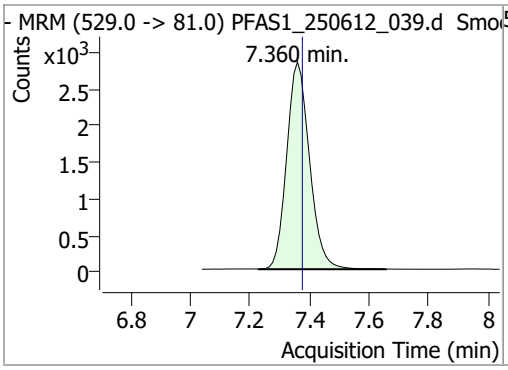


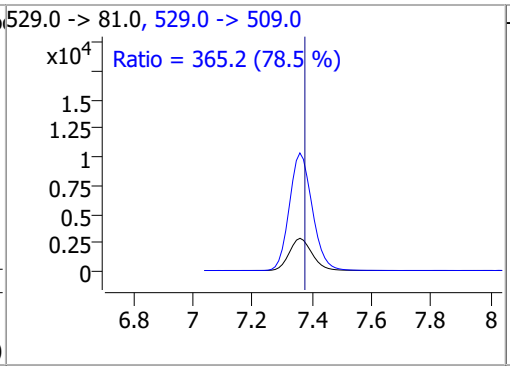
Compound	Conc.	Exp RT	QIon	Exp Ratio
8-2 FTSA	N.D.	7.36	527.0 -> 81.0	28.1

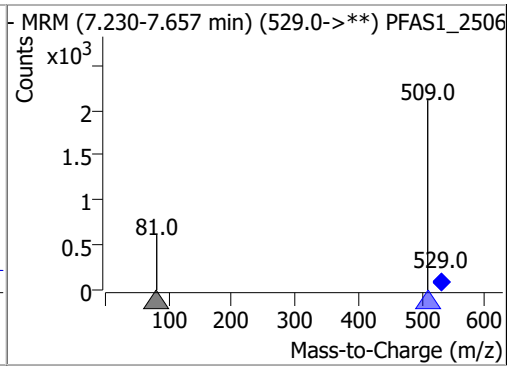




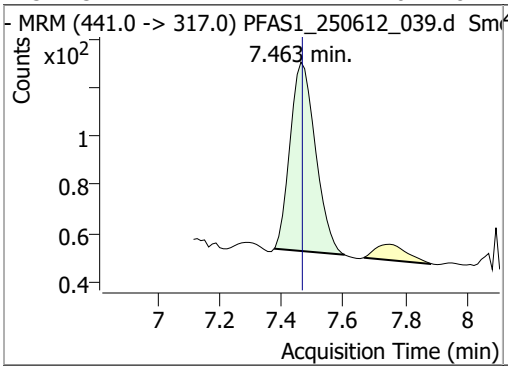
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.6106	7.36	-0.01	14990	529.0 -> 509.0	365.2	325.6	604.6

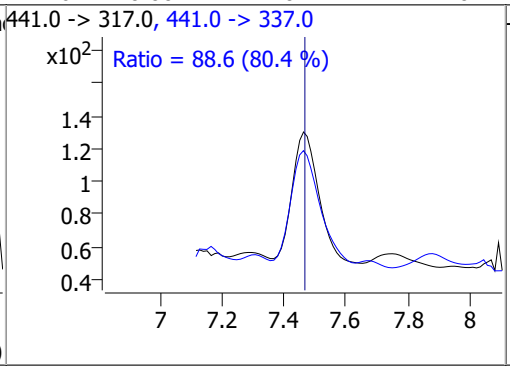


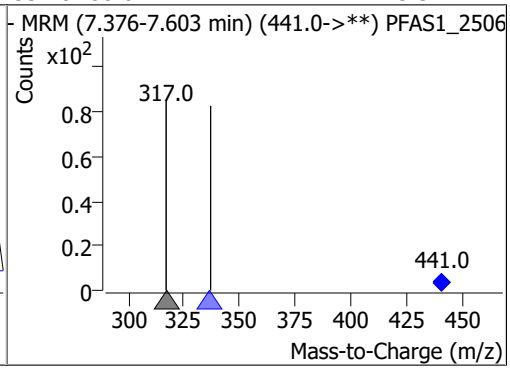




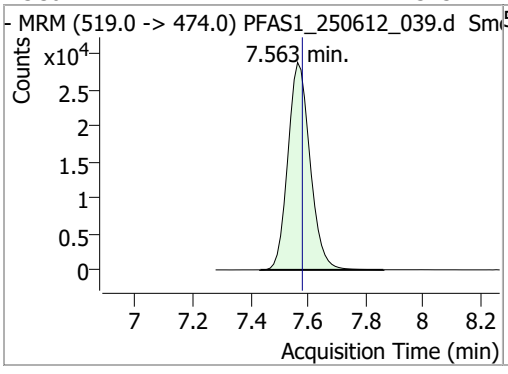
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.7118	7.46	0.00	440	441.0 -> 337.0	88.6	77.1	143.3

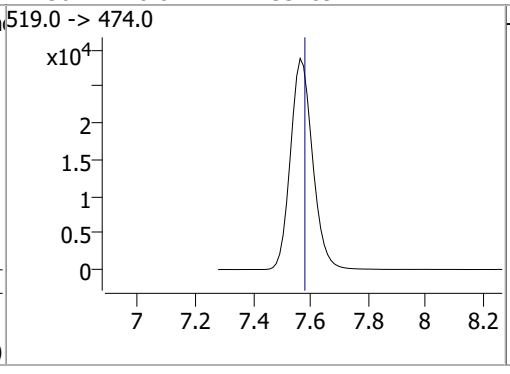


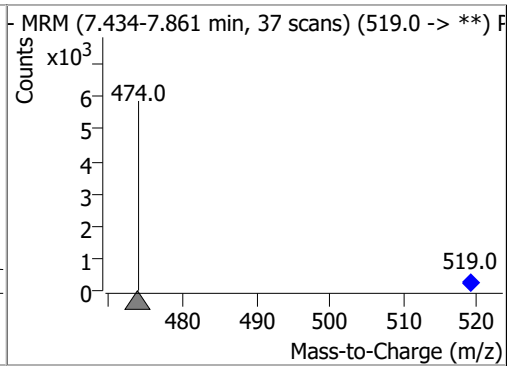




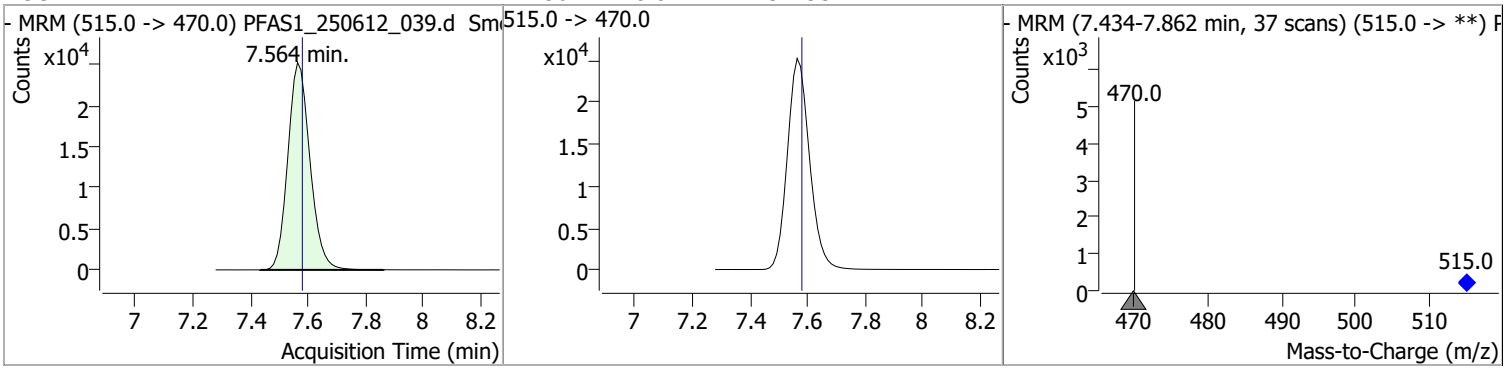
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3451	7.56	-0.01	153289				



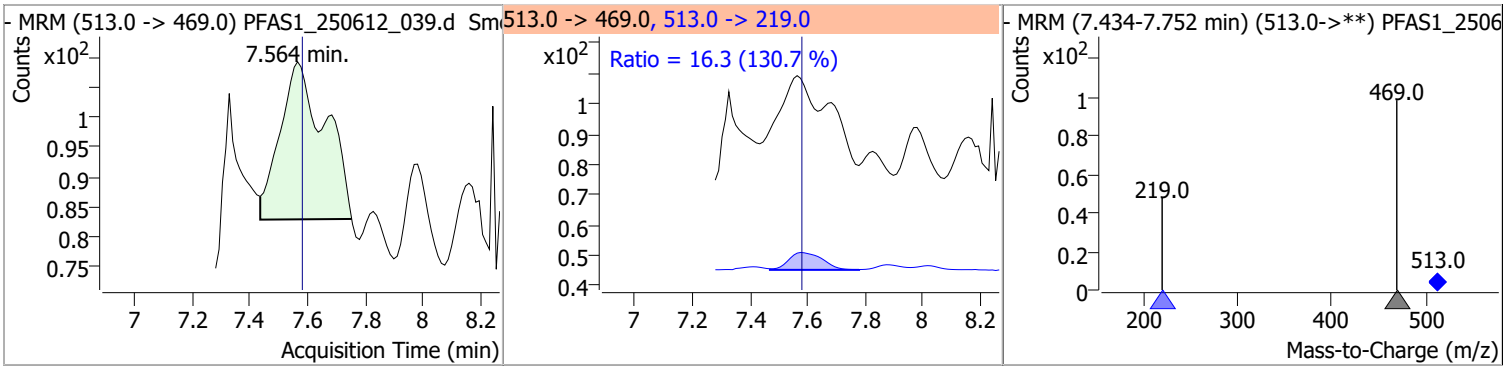




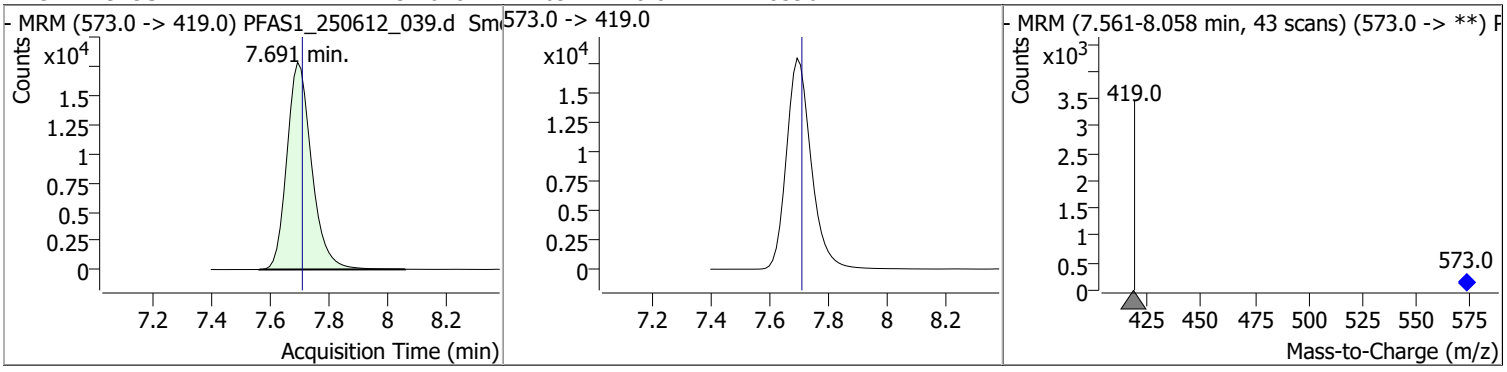
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	134195				



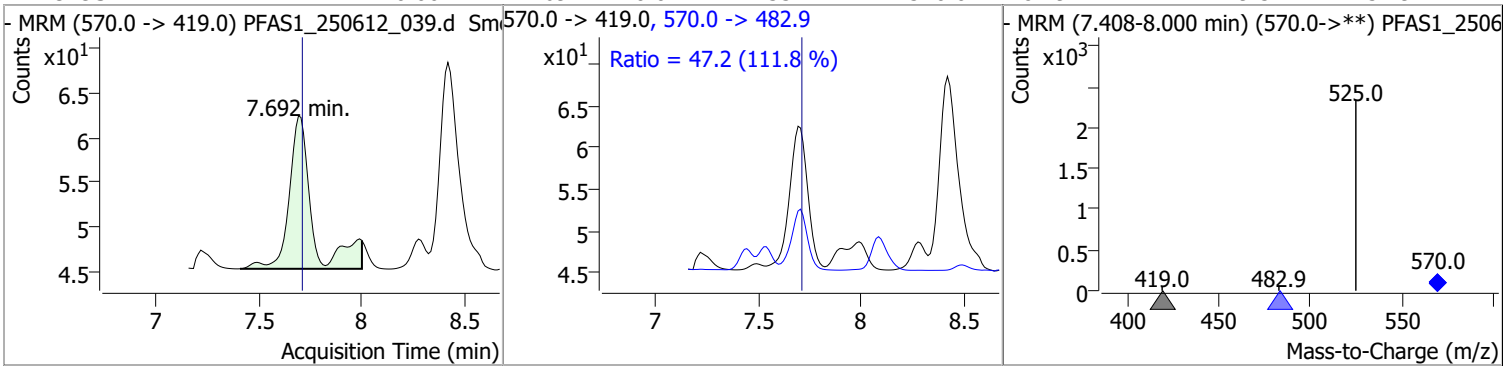
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0196	7.56	-0.01	286	513.0 -> 219.0	16.3	8.7	16.2



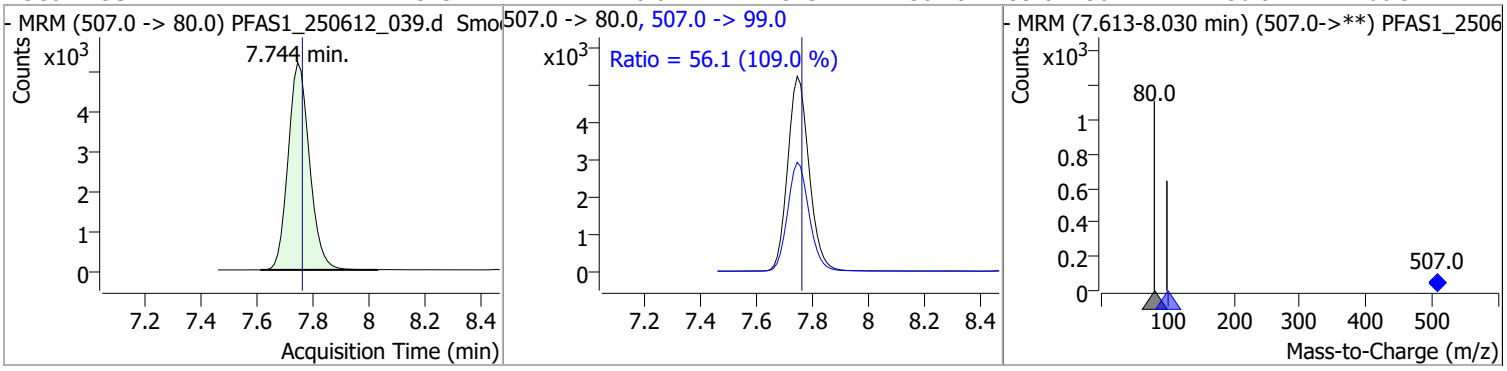
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1618	7.69	-0.01	103967				



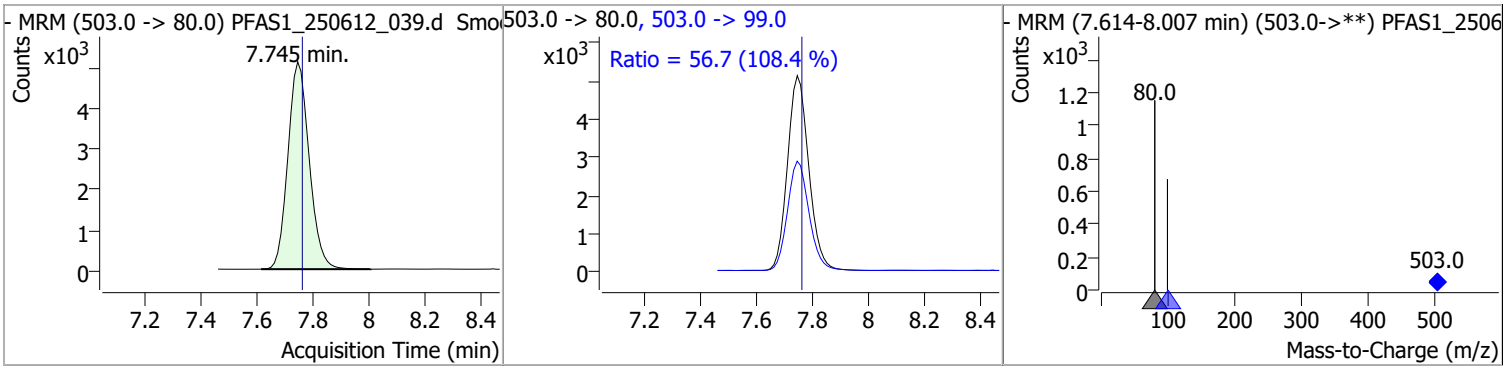
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0044	7.69	-0.01	133	570.0 -> 482.9	47.2	29.5	54.9



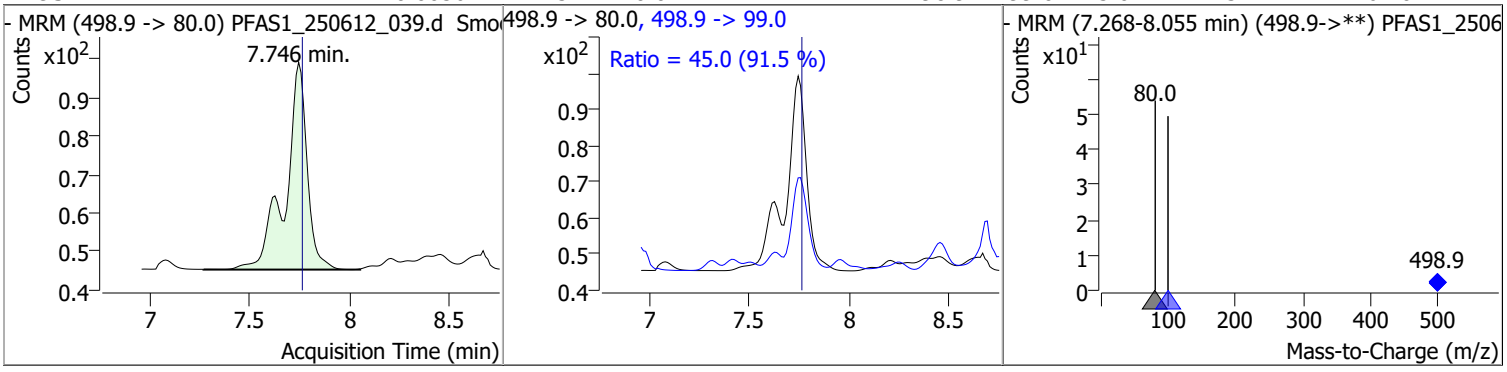
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5737	7.74	-0.01	27513	507.0 -> 99.0	56.1	36.0	66.9



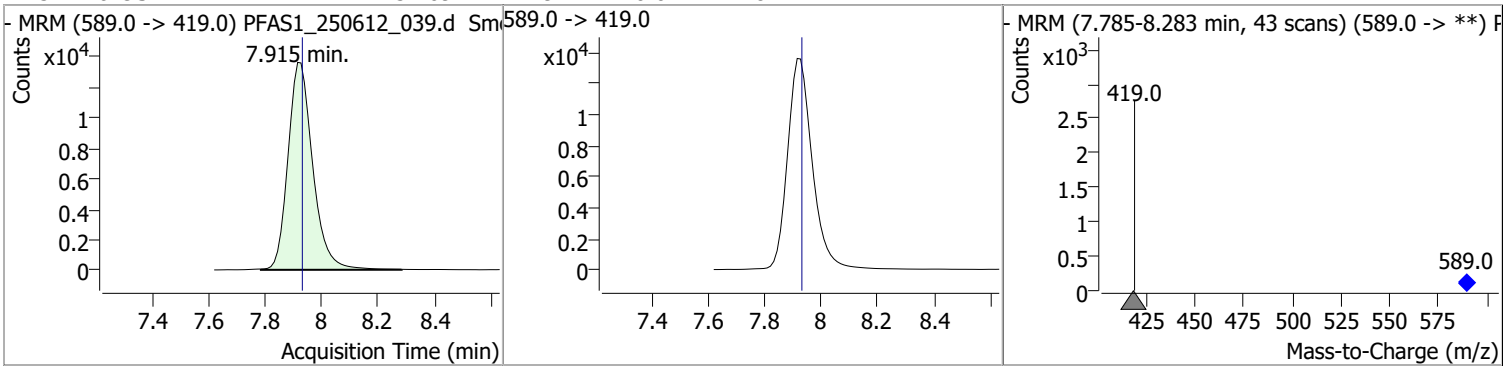
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26975	503.0 -> 99.0	56.7	36.6	67.9



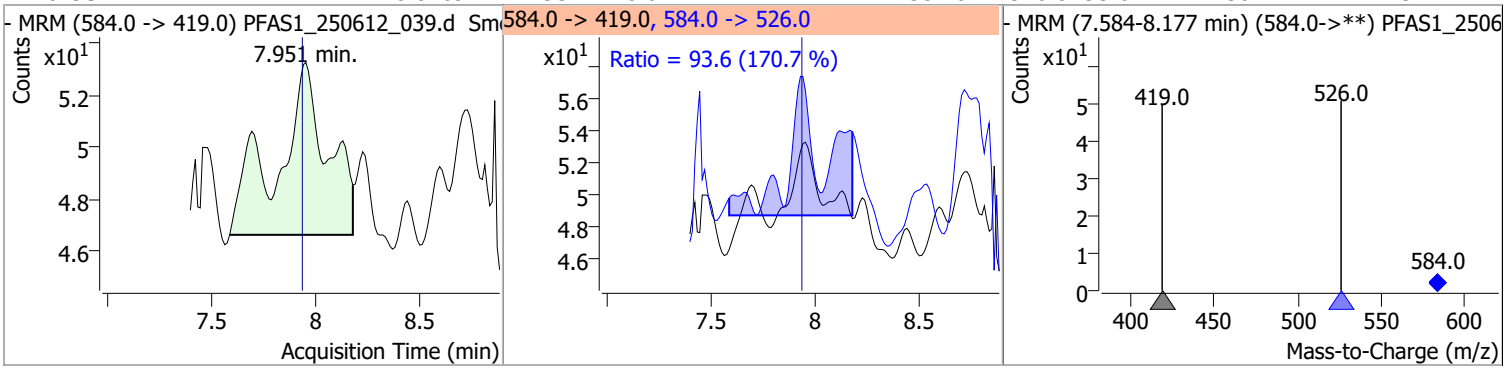
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0056	7.75	-0.01	412	498.9 -> 99.0	45.0	34.4	64.0



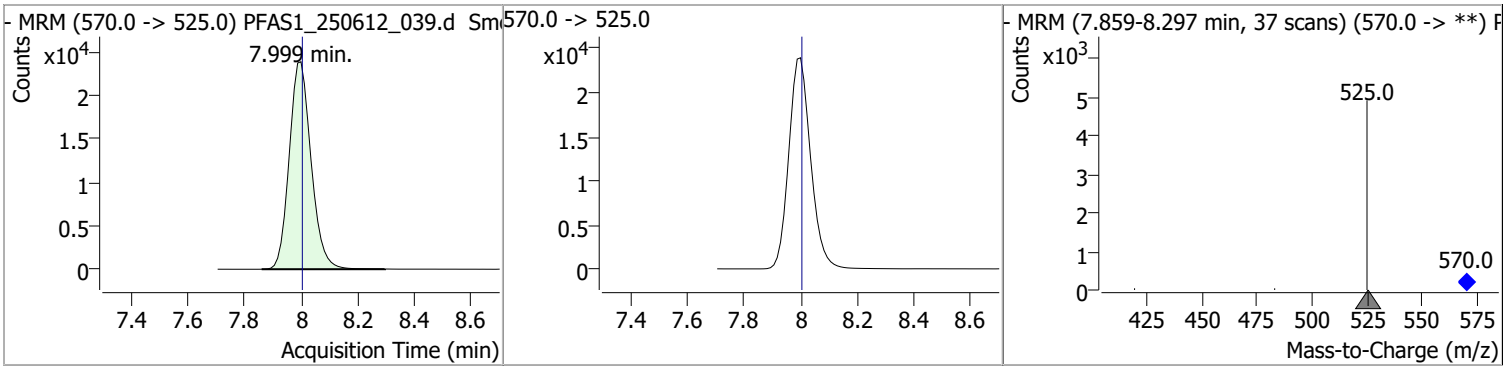
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1097	7.91	-0.01	82471				



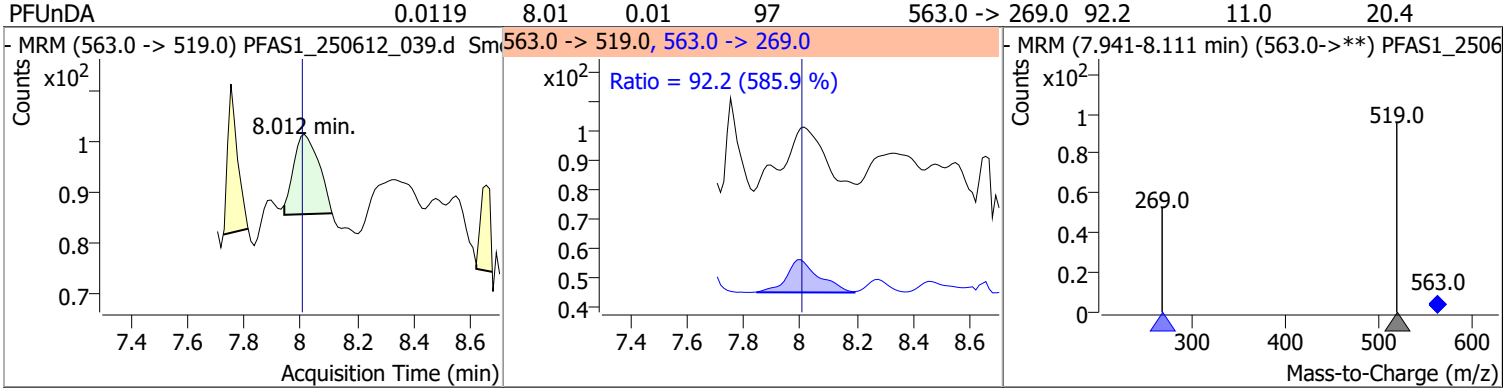
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0169	7.95	0.02	112	584.0 -> 526.0	93.6	38.4	71.3



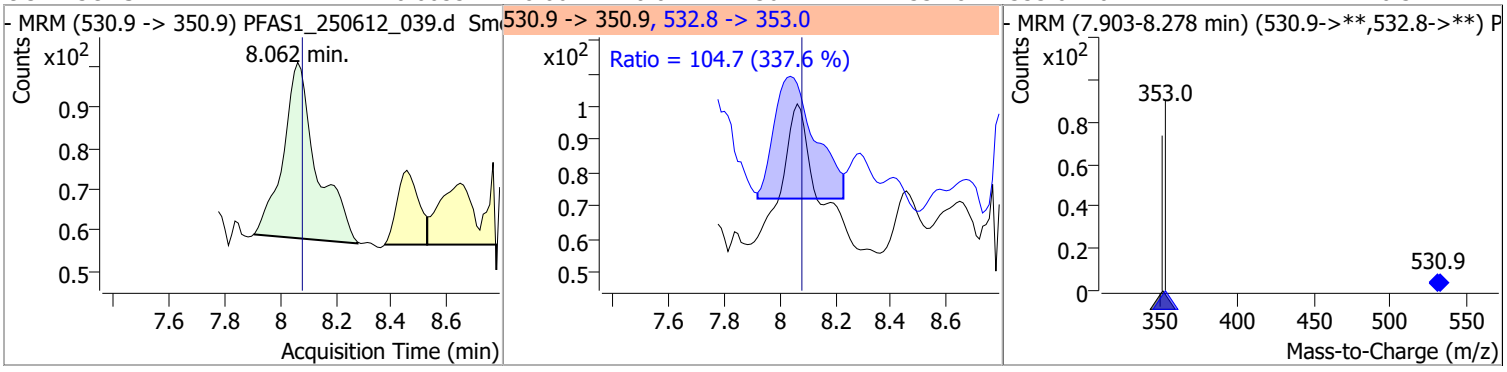
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2983	8.00	0.00	128457				



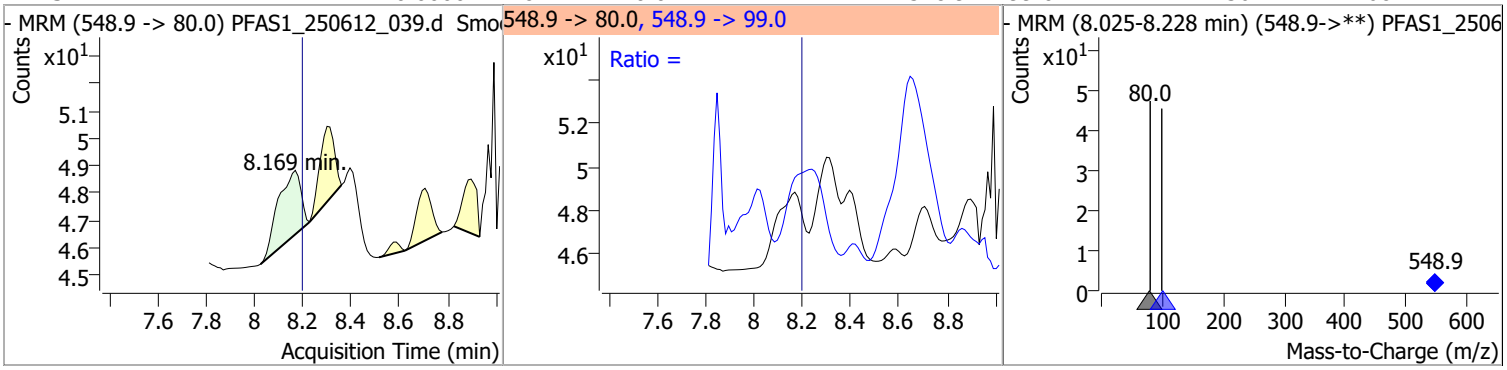
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0119	8.01	0.01	97	563.0 -> 269.0	92.2	11.0	20.4



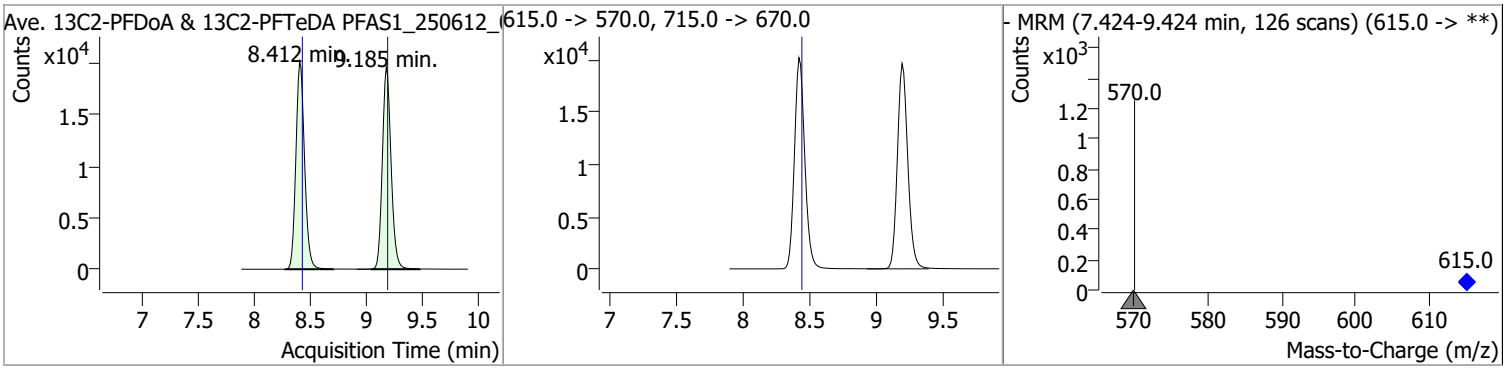
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0055	8.06	-0.01	362	532.8 -> 353.0	104.7	21.7	40.3



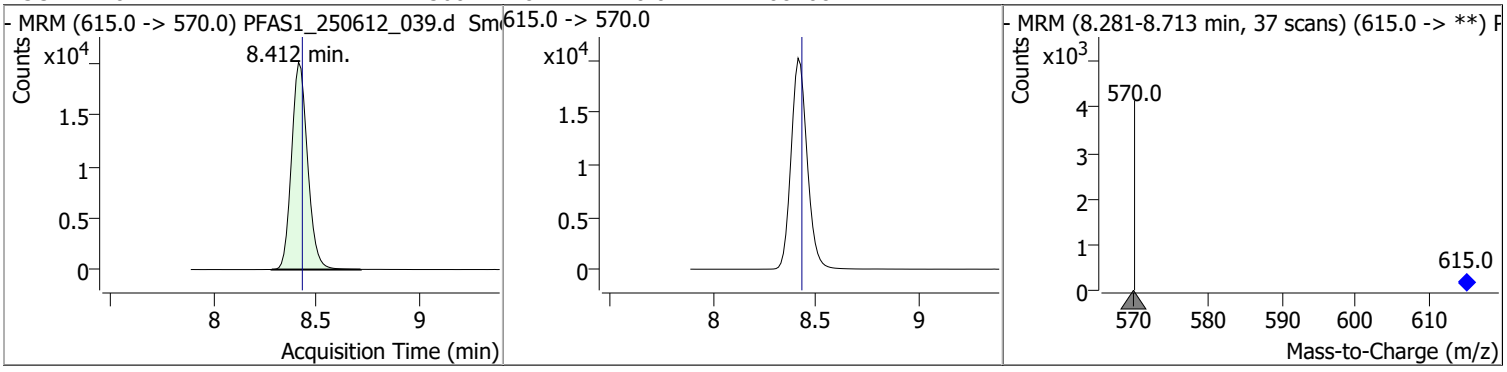
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.17	-0.02	14	548.9 -> 99.0		36.7	68.1



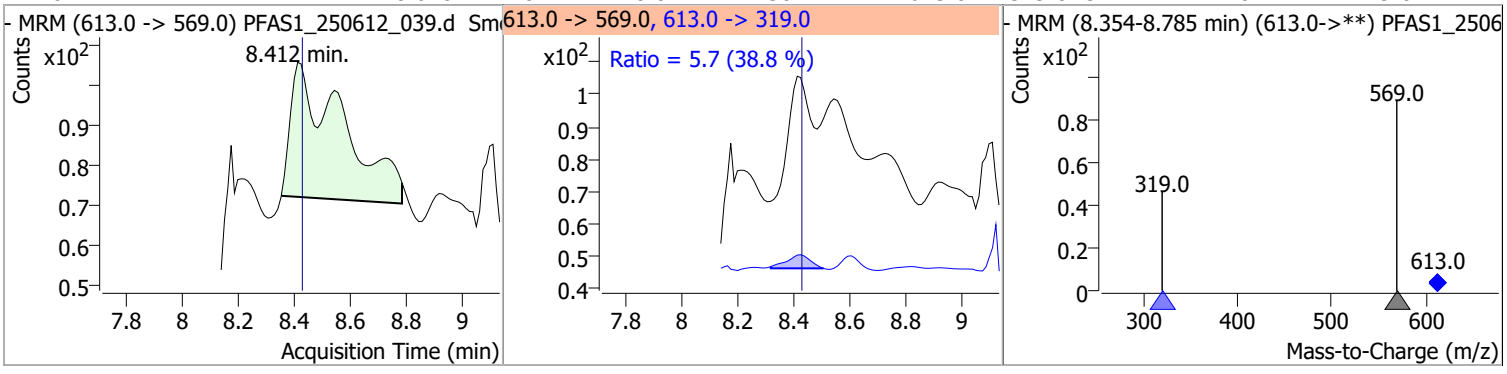
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2607	8.80	0.37	107167				



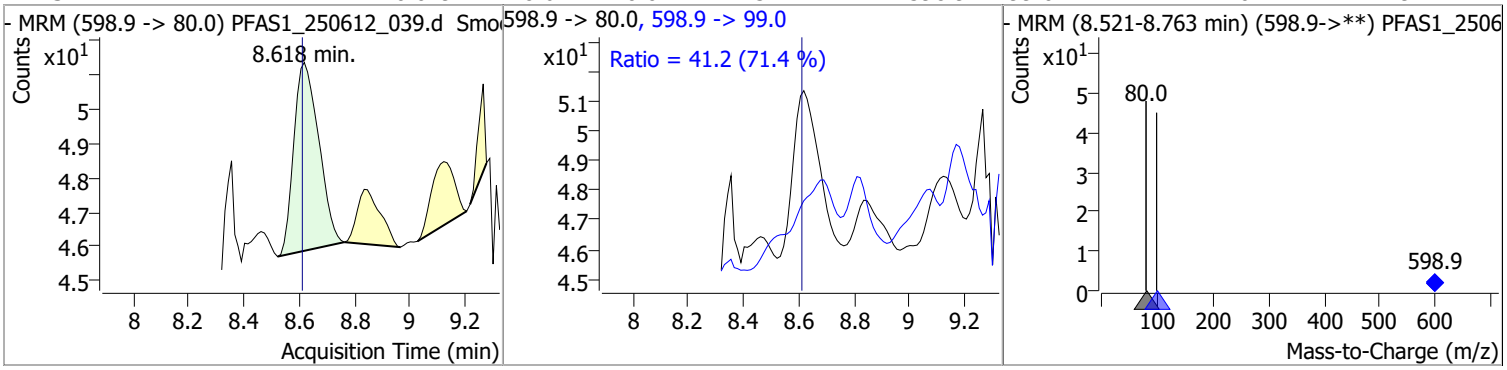
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2560	8.41	-0.01	108108				



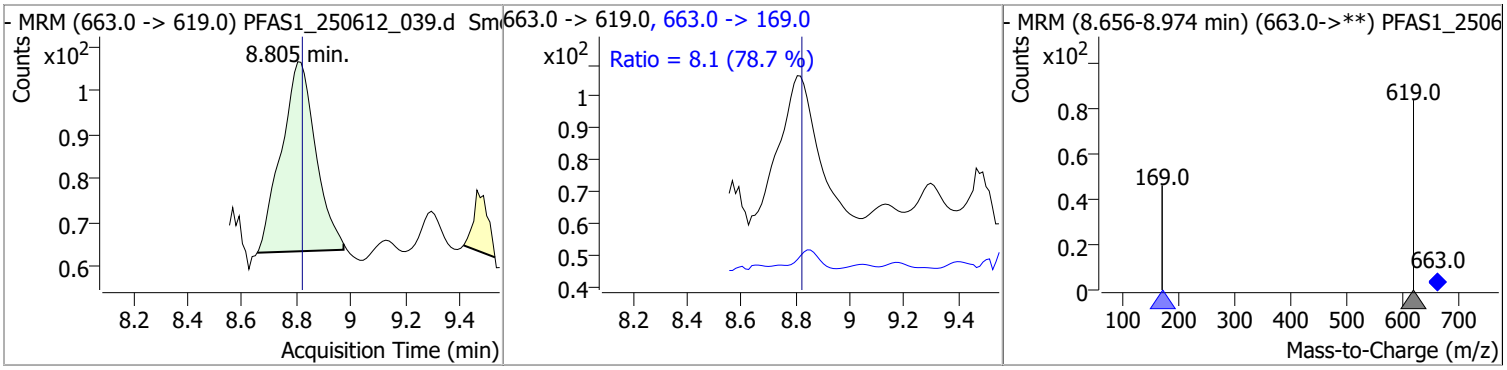
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0104	8.41	-0.01	438	613.0 -> 319.0	5.7	10.2	19.0



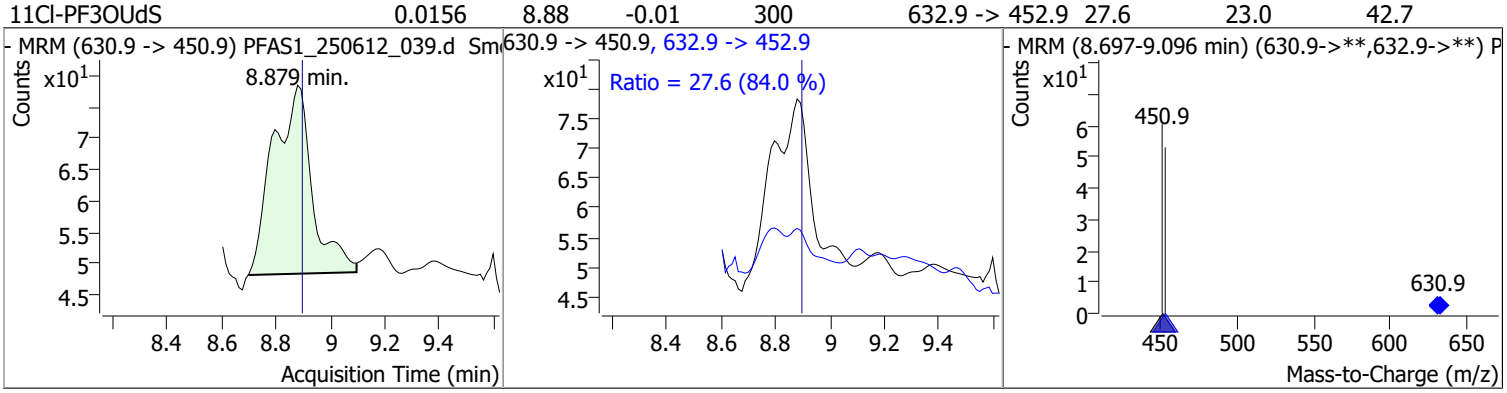
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0194	8.62	0.01	34	598.9 -> 99.0	41.2	40.4	74.9



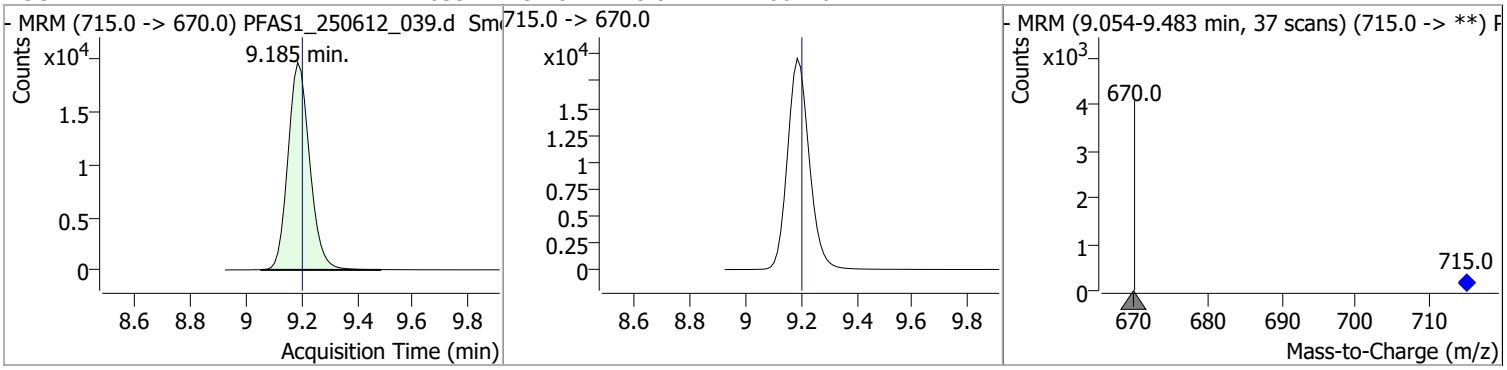
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0198	8.81	-0.01	378	663.0 -> 169.0	8.1	7.2	13.4



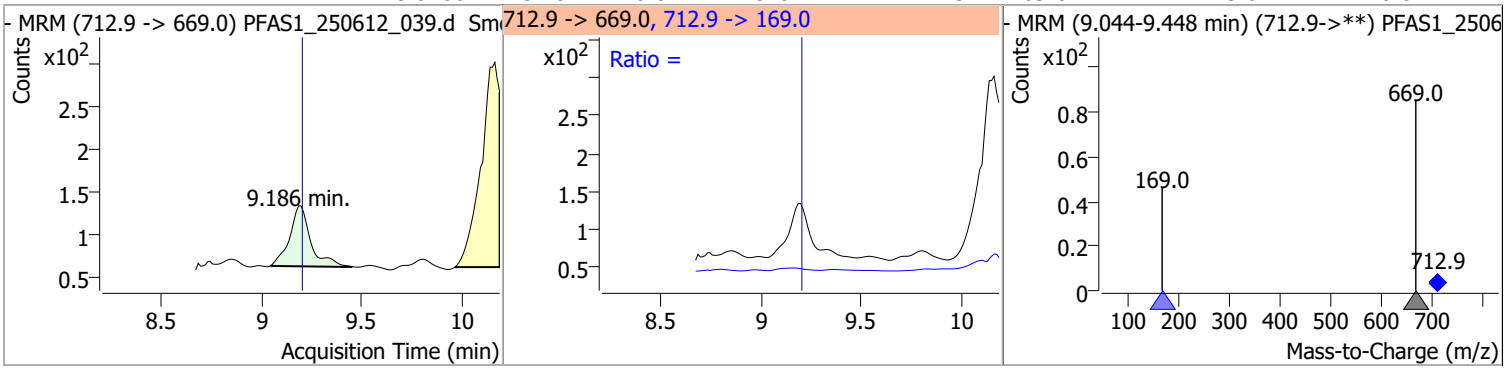
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0156	8.88	-0.01	300	632.9 -> 452.9	27.6	23.0	42.7



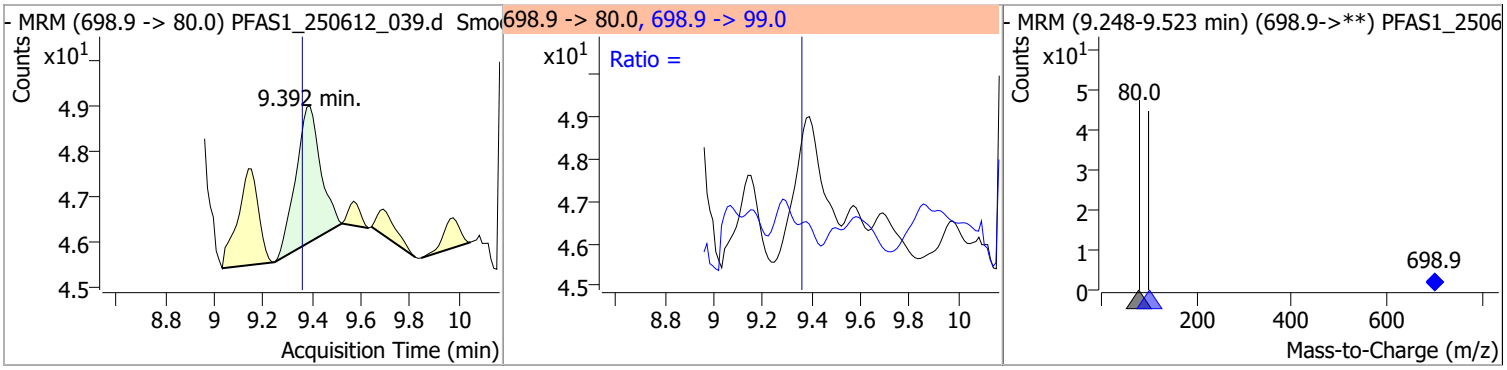
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2655	9.18	-0.01	106226				



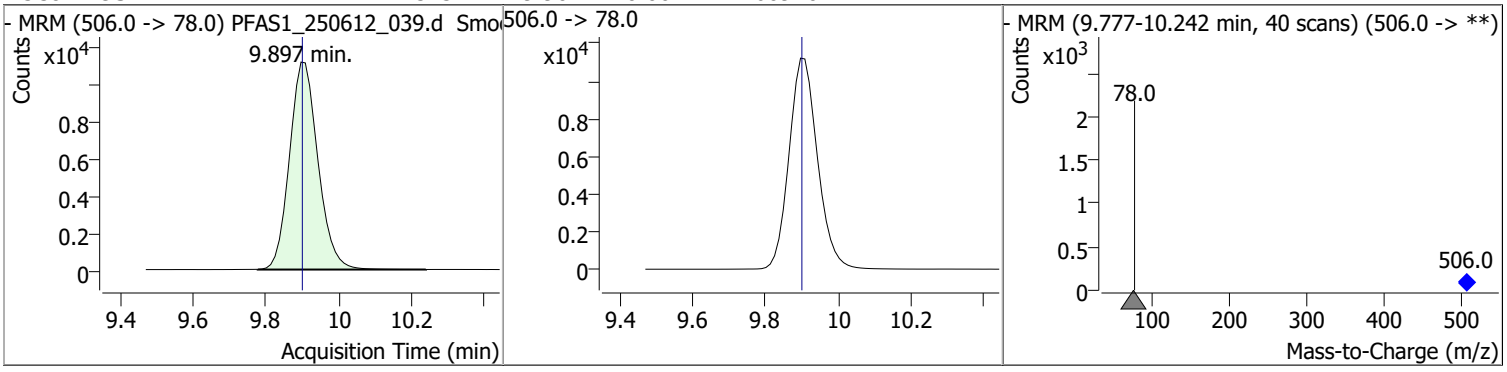
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0208	9.19	-0.01	519	712.9 -> 169.0		5.8	10.8



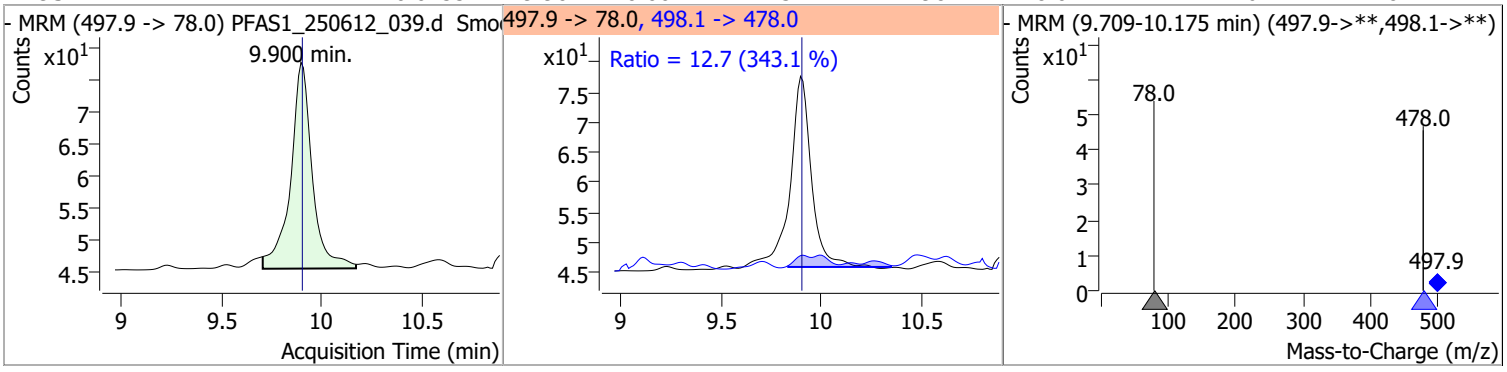
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0226	9.39	0.04	21	698.9 -> 99.0		41.0	76.1



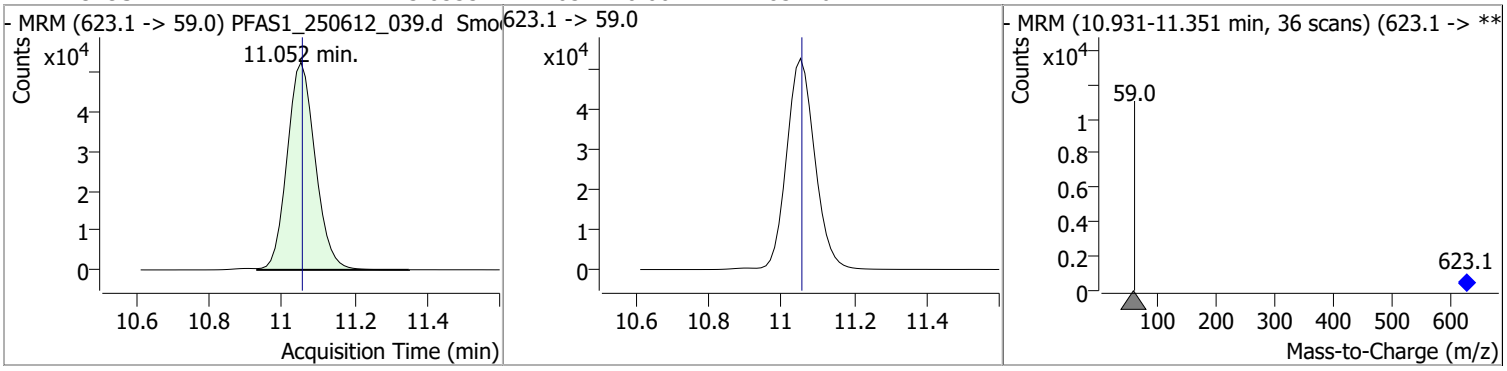
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5737	9.90	0.00	60970				



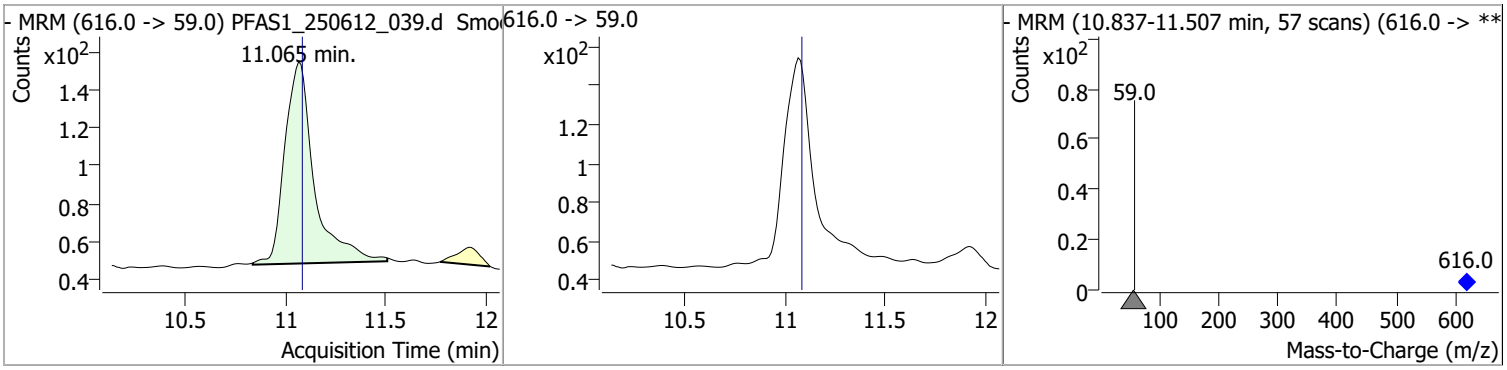
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0155	9.90	0.00	243	498.1 -> 478.0	12.7	2.6	4.8



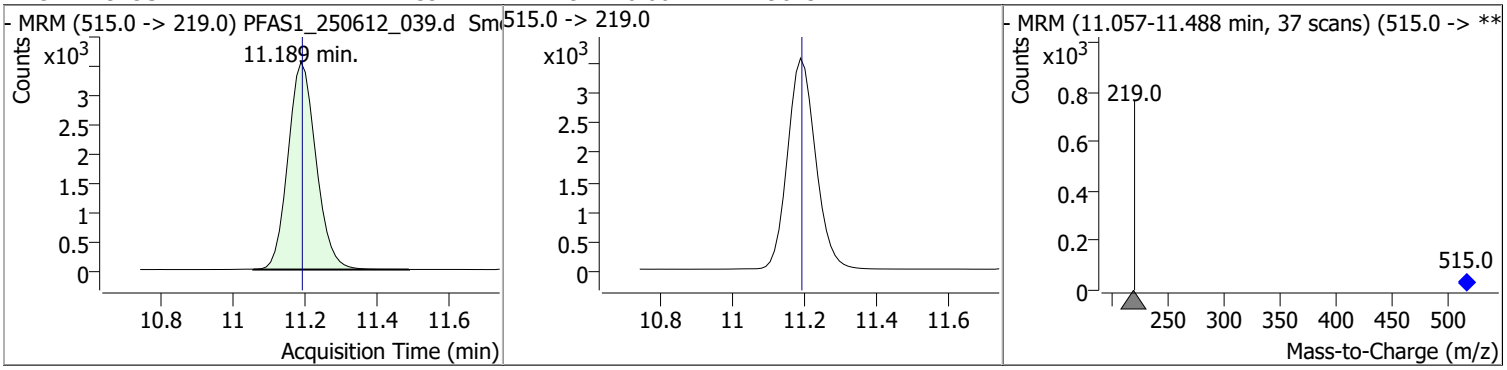
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.8535	11.05	0.00	283116				



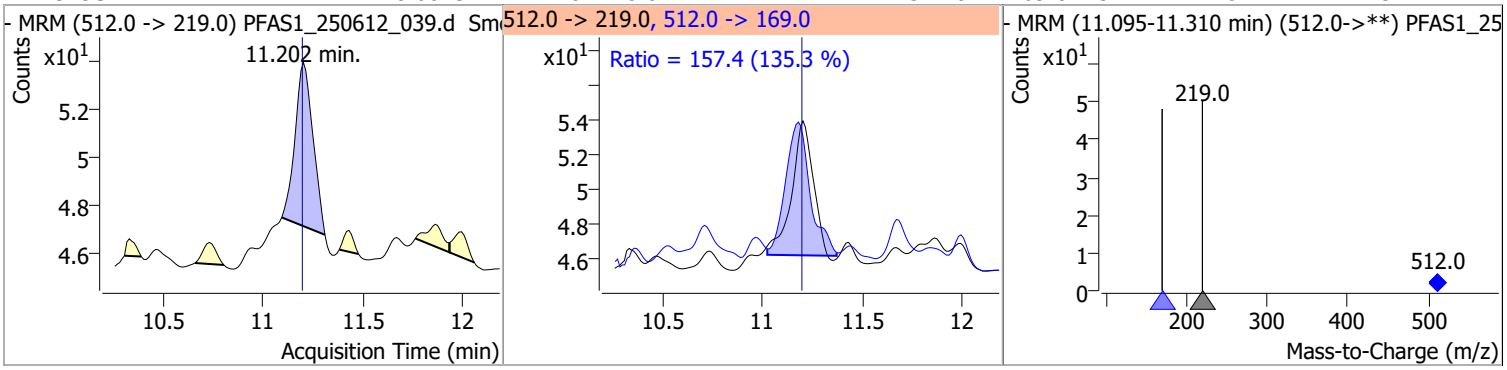
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0248	11.07	-0.01	1083				



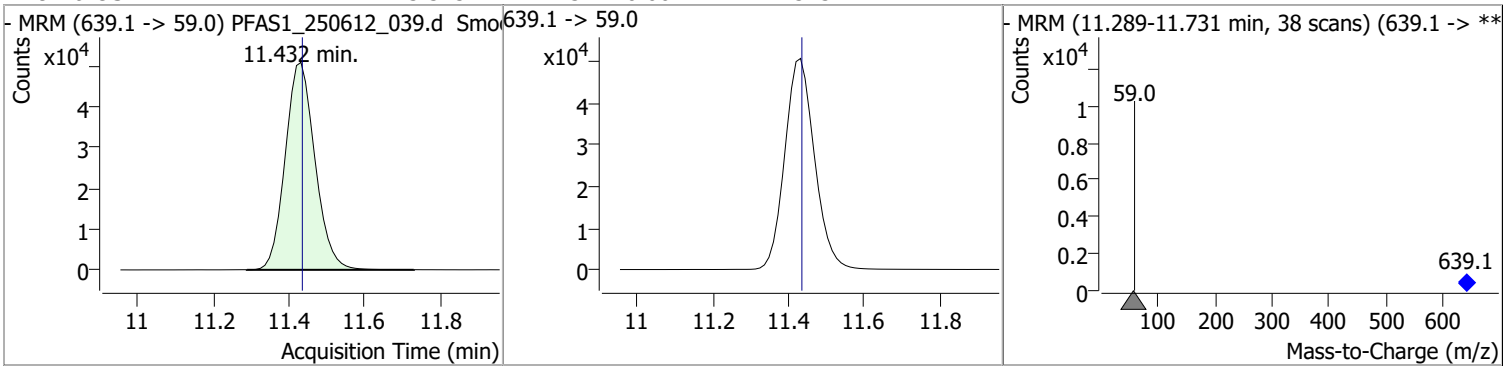
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3944	11.19	0.00	19049				



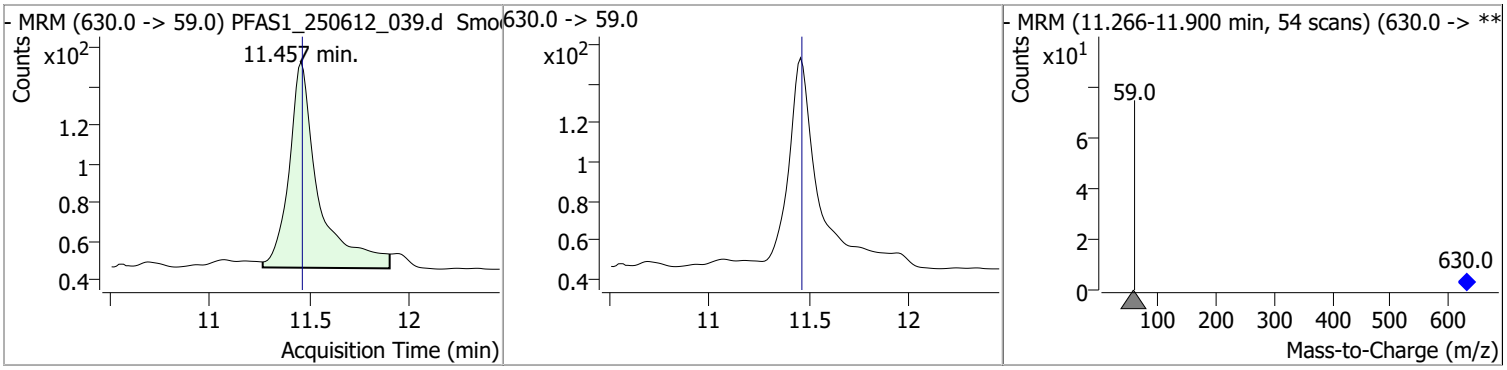
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0073	11.20	0.01	42	512.0 -> 169.0	157.4	81.4	151.2



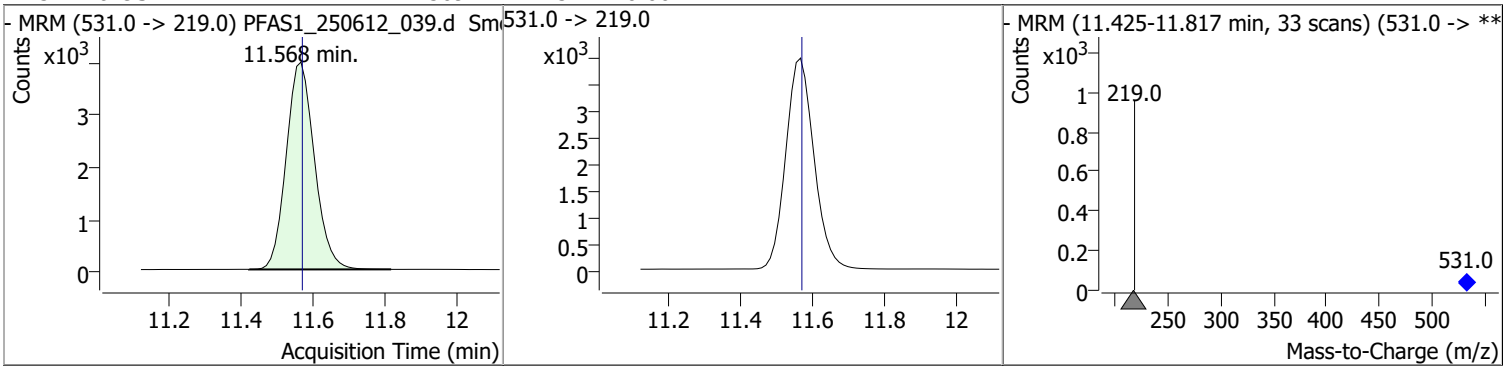
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.3757	11.43	0.00	277543				



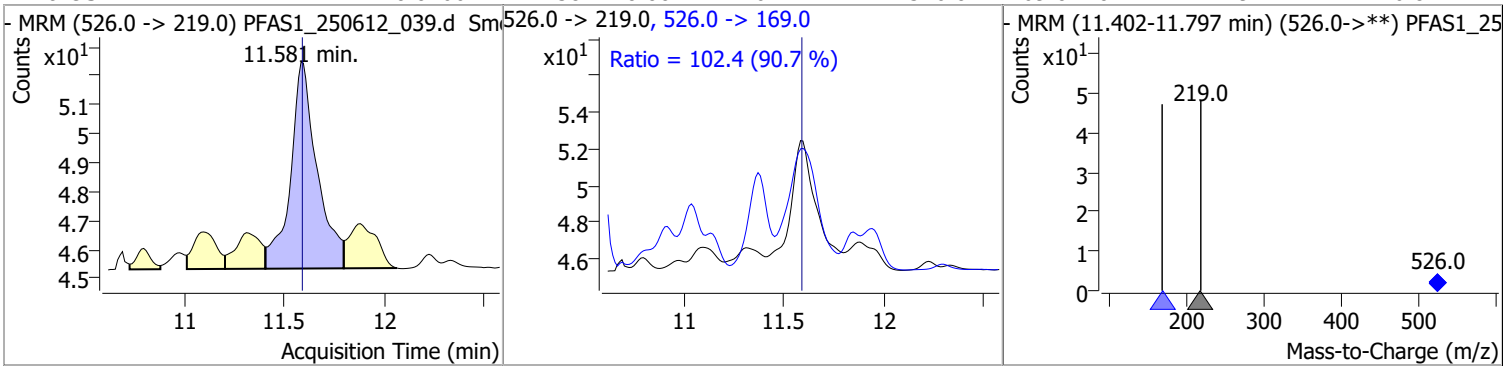
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	1096				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4509	11.57	0.00	21424				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0266	11.58	0.00	67	526.0 -> 169.0	102.4	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_048.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 2:00:17 AM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

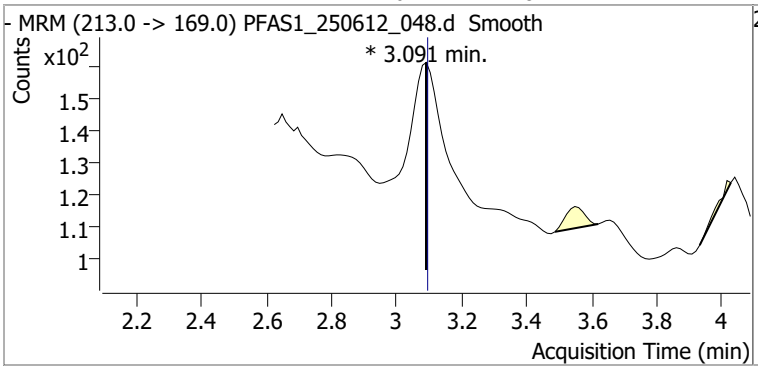
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.087	216.0 -> 172.0	182459	5.0000	µg/L	15.351
13C2-PFHxA	5.479	315.0 -> 270.0	193010	2.5000	µg/L	8.023
18O2-PFHxS	6.796	403.0 -> 84.0	25437	2.5000	µg/L	8.241
13C4-PFOA	6.651	417.0 -> 172.0	22473	2.5000	µg/L	11.278
13C5-PFNA	7.125	468.0 -> 423.0	134494	1.2500	µg/L	12.380
13C2-PFDA	7.564	515.0 -> 470.0	136557	1.2500	µg/L	9.131
13C4-PFOS	7.745	503.0 -> 80.0	27018	2.5000	µg/L	8.221
System Monitoring Compounds						
13C4-PFBA	3.083	217.0 -> 172.0	421141	10.0000	µg/L	15.383
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.97%		
13C4-PFBA	3.083	217.0 -> 172.0	421141	10.0000	µg/L	15.383
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.97%		
13C5-PFPeA	4.594	268.0 -> 223.0	304270	5.0000	µg/L	12.791
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.45%		
13C5-PFPeA	4.594	268.0 -> 223.0	304270	5.0000	µg/L	12.791
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.45%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20993	5.0000	µg/L	30.272
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.98%		
13C5-PFHxA	5.478	318.0 -> 273.0	205928	2.5000	µg/L	11.918
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.59%		
13C5-PFHxA	5.478	318.0 -> 273.0	205928	2.5000	µg/L	11.918
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.59%		
13C3-PFBS	5.494	302.0 -> 80.0	48989	2.5000	µg/L	14.925
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.39%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	245477	10.0000	µg/L	10.639
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.39%		
13C4-PFHpA	6.130	367.0 -> 322.0	236356	2.5000	µg/L	10.862
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.58%		
13C3-PFHxS	6.797	402.0 -> 80.0	29423	2.5000	µg/L	9.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.79%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14076	5.0000	µg/L	24.818
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.76%		
13C8-PFOA	6.650	421.0 -> 376.0	246842	2.5000	µg/L	9.273
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%		
13C3-PFHxS	6.797	402.0 -> 80.0	29423	2.5000	µg/L	9.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.79%		
13C9-PFNA	7.125	472.0 -> 427.0	140122	1.2500	µg/L	14.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.65%		
13C8-PFOS	7.744	507.0 -> 80.0	27483	2.5000	µg/L	11.070
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.67%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	15729	5.0000	µg/L	27.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.14%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	15729	5.0000	µg/L	27.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.14%		
13C6-PFDA	7.563	519.0 -> 474.0	151633	1.2500	µg/L	14.093

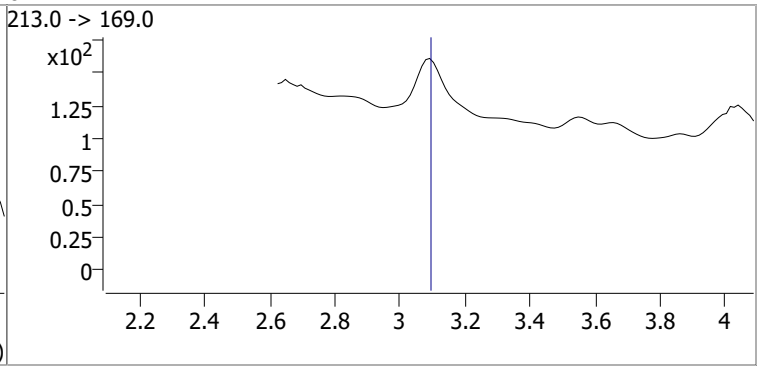
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.61%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	104278	5.0000	µg/L		12.198
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.38%			
13C8-PFOS	7.744	507.0 -> 80.0	27483	2.5000	µg/L		11.070
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.67%			
2H5-N-EtFOSAA	7.915	589.0 -> 419.0	83076	5.0000	µg/L		11.451
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.78%			
13C7-PFUnDA	7.987	570.0 -> 525.0	129712	1.2500	µg/L		12.438
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.06%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	107733	1.2500	µg/L		8.817
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFDoDA	8.412	615.0 -> 570.0	108003	1.2500	µg/L		7.734
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.65%			
13C2-PFTDA	9.185	715.0 -> 670.0	107463	1.2500	µg/L		9.929
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.65%			
13C8-PFOSA	9.897	506.0 -> 78.0	61905	2.5000	µg/L		13.184
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.36%			
2H7-MeFOSE	11.052	623.1 -> 59.0	278676	25.0000	µg/L		1.444
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 93.77%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	19063	2.5000	µg/L		3.863
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.69%			
2H9-EtFOSE	11.432	639.1 -> 59.0	269499	25.0000	µg/L		-1.920
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 90.65%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21580	2.5000	µg/L		6.850
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.59%			
Target Compounds							QValue
PFBA	3.091	213.0 -> 169.0	0	0.0000	µg/L	md	
PFMPA	3.782	229.0 -> 85.0	0	0.0000	µg/L	md	
3-3 FTCA	4.030	241.0 -> 177.0	0	0.0000	µg/L	md	
PFPeA	4.584	263.0 -> 219.0	0	0.0000	µg/L	md	
PFMBA	4.910	279.0 -> 85.0	0	0.0000	µg/L	md	
4-2 FTSA	5.227	327.0 -> 307.0	0	0.0000	µg/L	md	
NFDHA	5.390	295.0 -> 201.0	0	0.0000	µg/L	md	
PFHxA	5.480	313.0 -> 269.0	0	0.0000	µg/L	md	
PFBS	5.471	298.9 -> 80.0	0	0.0000	µg/L	md	
HFPO-DA	5.748	285.0 -> 169.0	0	0.0000	µg/L	md	
PFEESA	5.848	314.9 -> 135.0	0	0.0000	µg/L	md	
5-3 FTCA	6.120	341.0 -> 237.0	0	0.0000	µg/L	md	
PFHpA	6.130	363.0 -> 319.0	0	0.0000	µg/L	md	
PFPeS	6.229	348.9 -> 80.0	0	0.0000	µg/L	md	
DONA	6.320	377.0 -> 251.0	0	0.0000	µg/L	md	
6-2 FTSA	6.448	427.0 -> 407.0	0	0.0000	µg/L	md	
PFOA	6.663	413.0 -> 369.0	785	0.0181	µg/L	#	85
PFHxS	6.798	398.9 -> 80.0	147	0.0054	µg/L	#	64
PFNA	7.126	463.0 -> 419.0	0	0.0000	µg/L	md	
PFHpS	7.283	448.9 -> 80.0	0	0.0000	µg/L	md	
8-2 FTSA	7.361	527.0 -> 507.0	0	0.0000	µg/L	md	
7-3 FTCA	7.474	441.0 -> 317.0	0	0.0000	µg/L	md	
PFDA	7.576	513.0 -> 469.0	0	0.0000	µg/L	md	
N-MeFOSAA	7.692	570.0 -> 419.0	0	0.0000	µg/L	md	
PFOS	7.746	498.9 -> 80.0	405	0.0051	µg/L	#	74
N-EtFOSAA	7.927	584.0 -> 419.0	0	0.0000	µg/L	md	
PFUnDA	7.988	563.0 -> 519.0	0	0.0000	µg/L	md	
9Cl-PF3ONS	8.062	530.9 -> 350.9	0	0.0000	µg/L	md	

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	0	0.0000	µg/L	md	
PFDoDA	8.424	613.0 -> 569.0	0	0.0000	µg/L	md	
PFDS	8.606	598.9 -> 80.0	0	0.0000	µg/L	md	
PFTrDA	8.817	663.0 -> 619.0	0	0.0000	µg/L	md	
11Cl-PF3OUdS	8.879	630.9 -> 450.9	0	0.0000	µg/L	md	
PFTDA	9.186	712.9 -> 669.0	0	0.0000	µg/L	md	
PFDoS	9.272	698.9 -> 80.0	0	0.0000	µg/L	md	
PFOSA	9.900	497.9 -> 78.0	0	0.0000	µg/L	md	
MeFOSE	11.065	616.0 -> 59.0	887	0.0080	µg/L		100
N-MeFOSA	11.214	512.0 -> 219.0	0	0.0000	µg/L	md	
EtFOSE	11.457	630.0 -> 59.0	878	0.0000	µg/L		100
N-EtFOSA	11.593	526.0 -> 219.0	0	0.0000	µg/L	md	

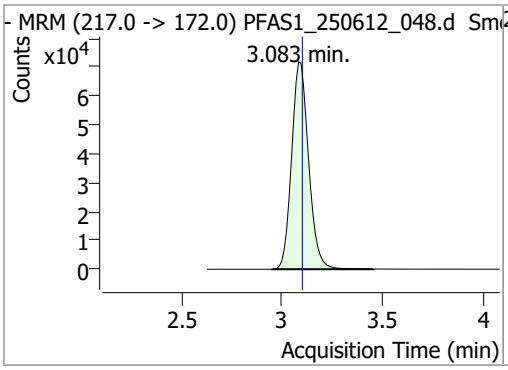
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

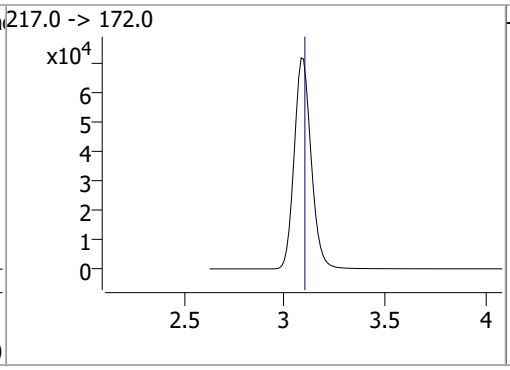
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	d	0		0				

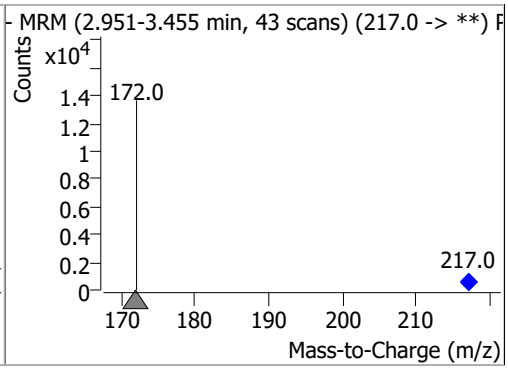




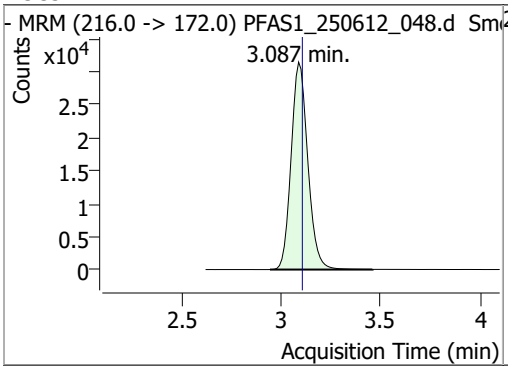
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9971	3.08	-0.01	421141				

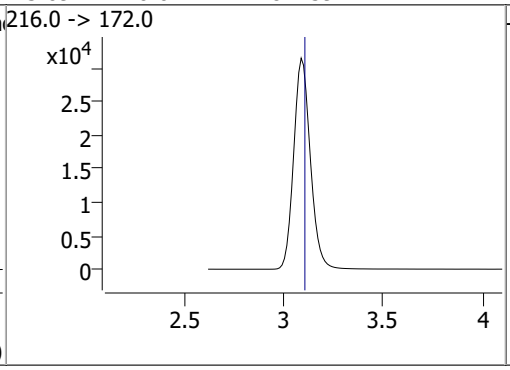


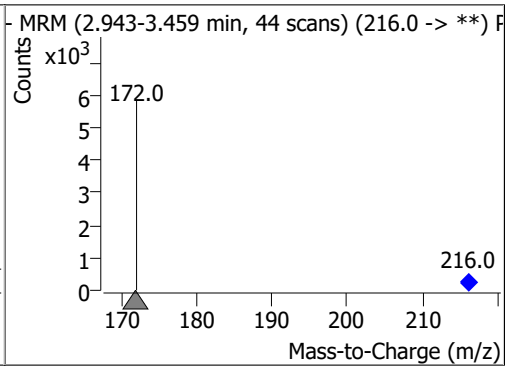




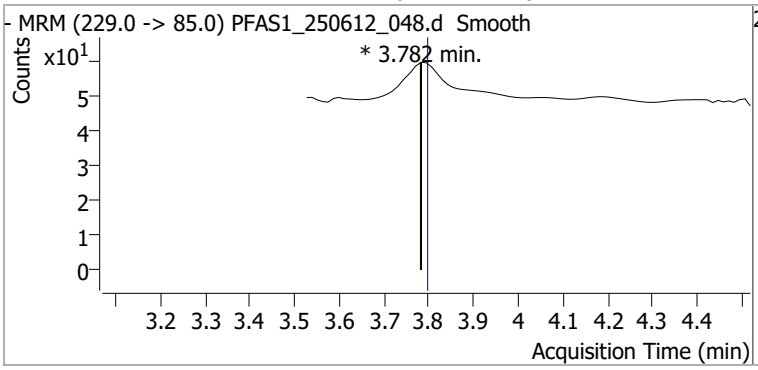
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.09	-0.01	182459				

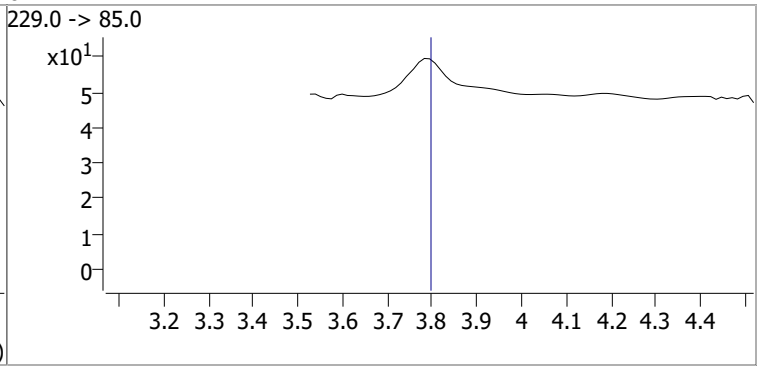




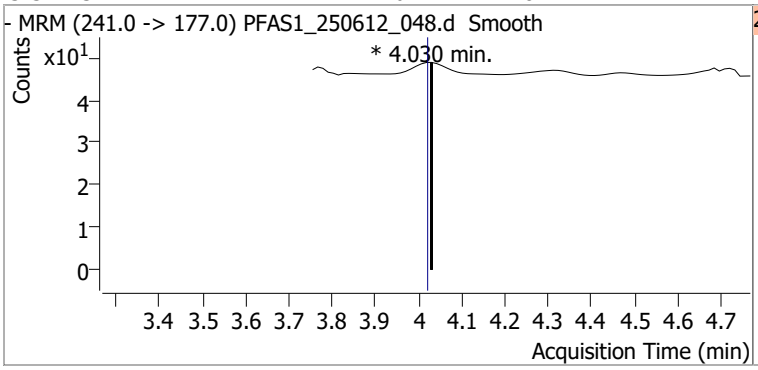


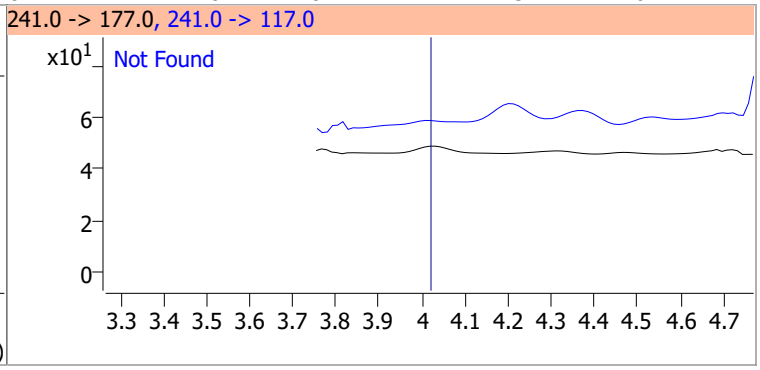
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	d	0		0				



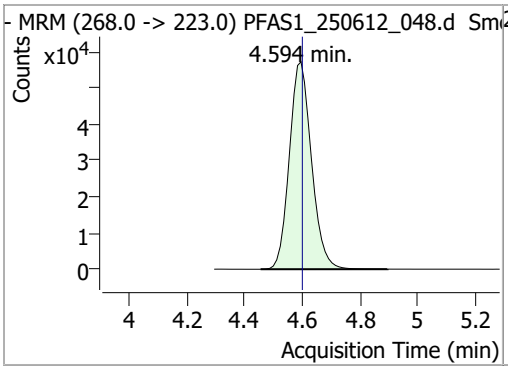


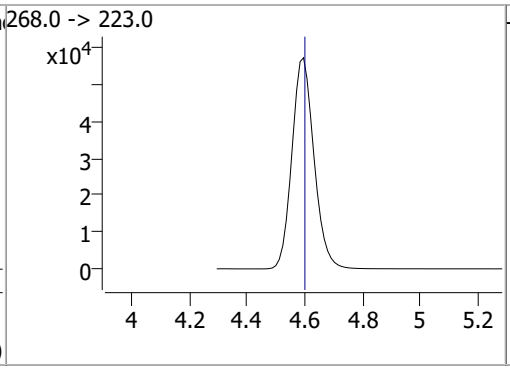
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	d	0		0	241.0 -> 117.0		41.3	76.7

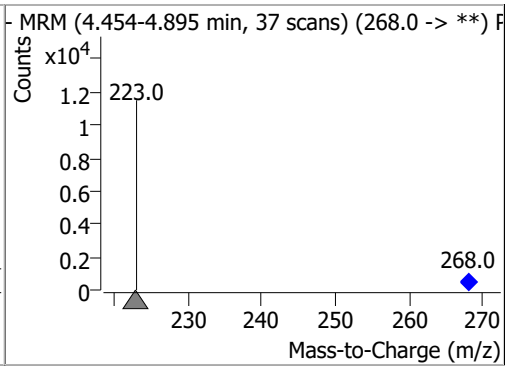




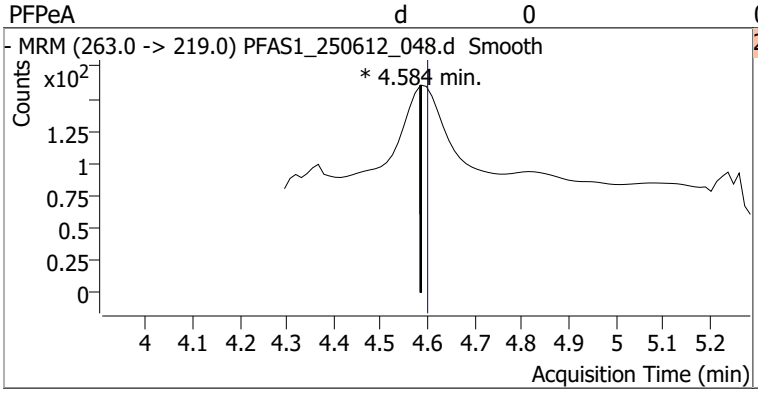
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.2225	4.59	0.00	304270				

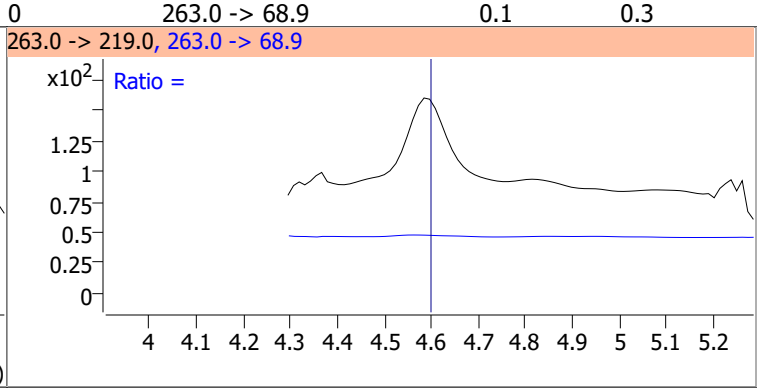




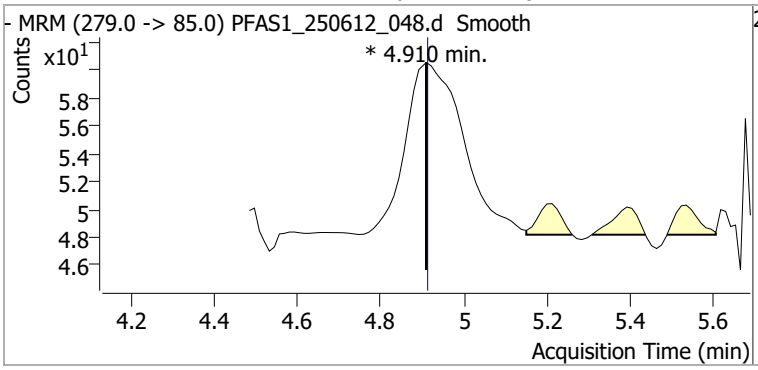


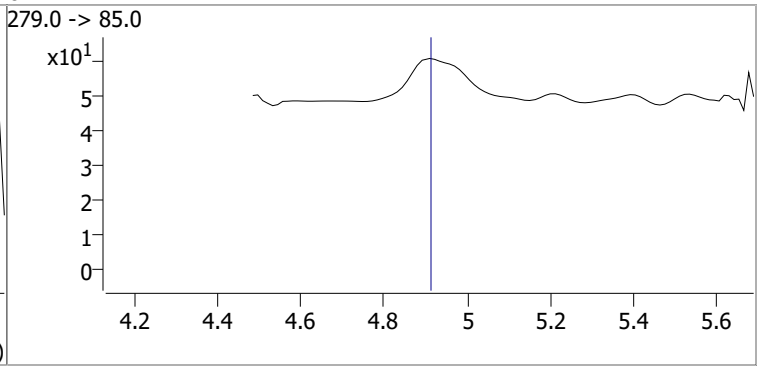
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	d	0		0	263.0 -> 68.9		0.1	0.3



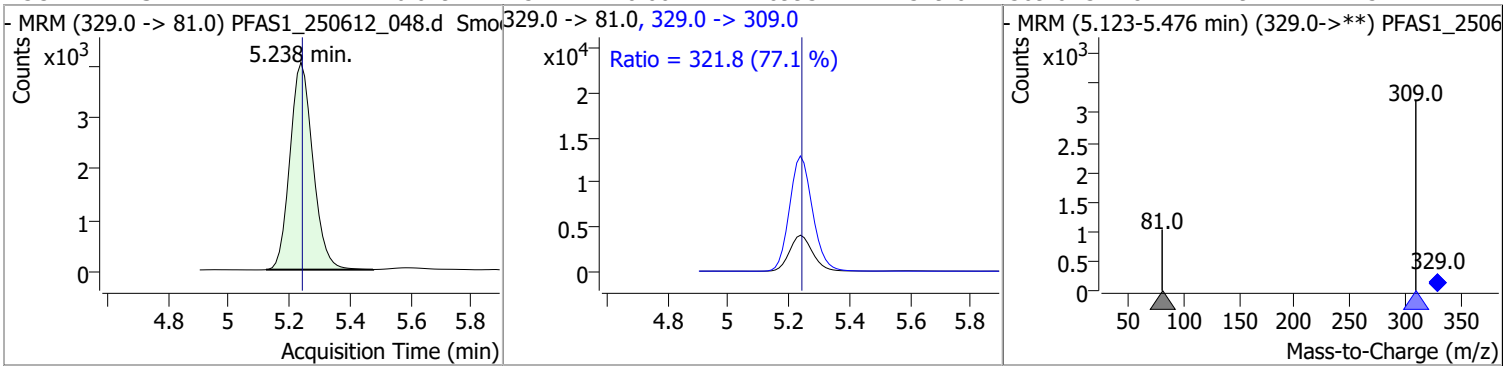


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	d	0		0				

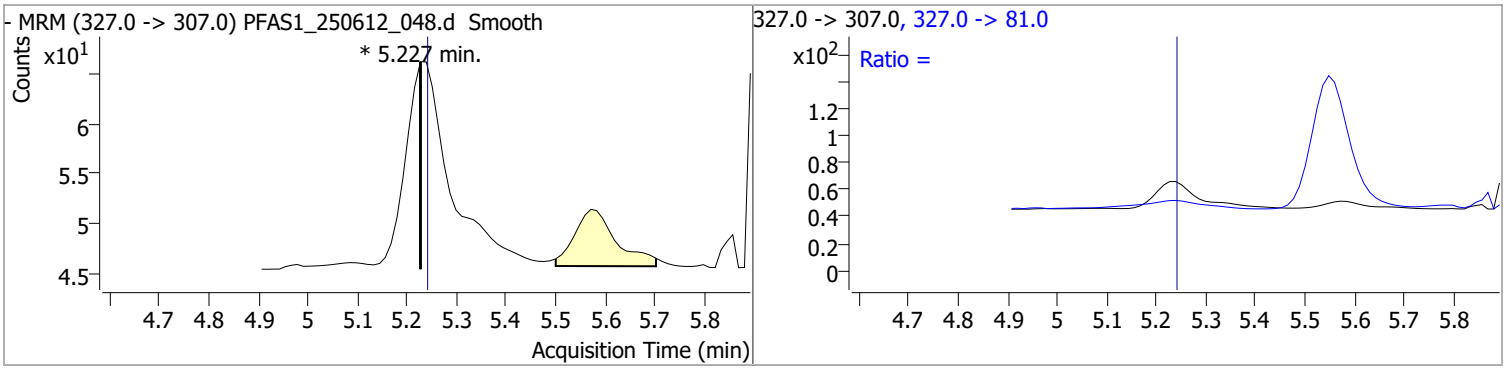




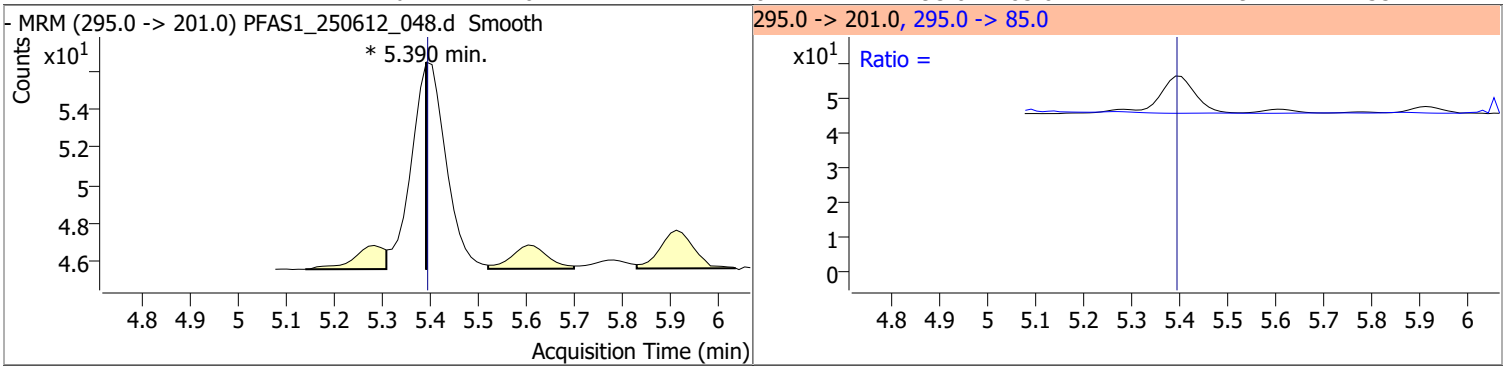
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0491	5.24	0.00	20993	329.0 -> 309.0	321.8	292.1	542.4



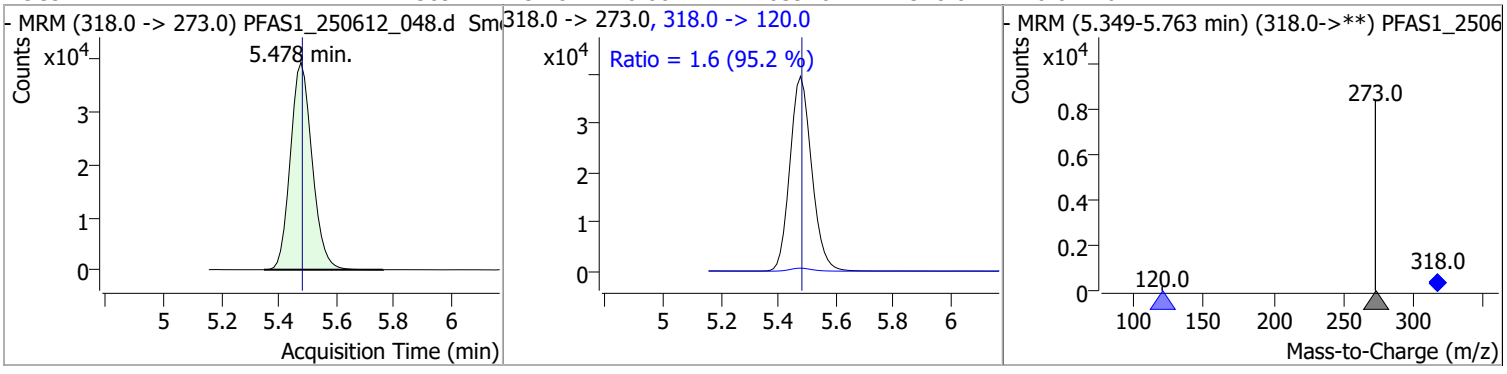
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	d	0		0	327.0 -> 81.0		23.6	43.9



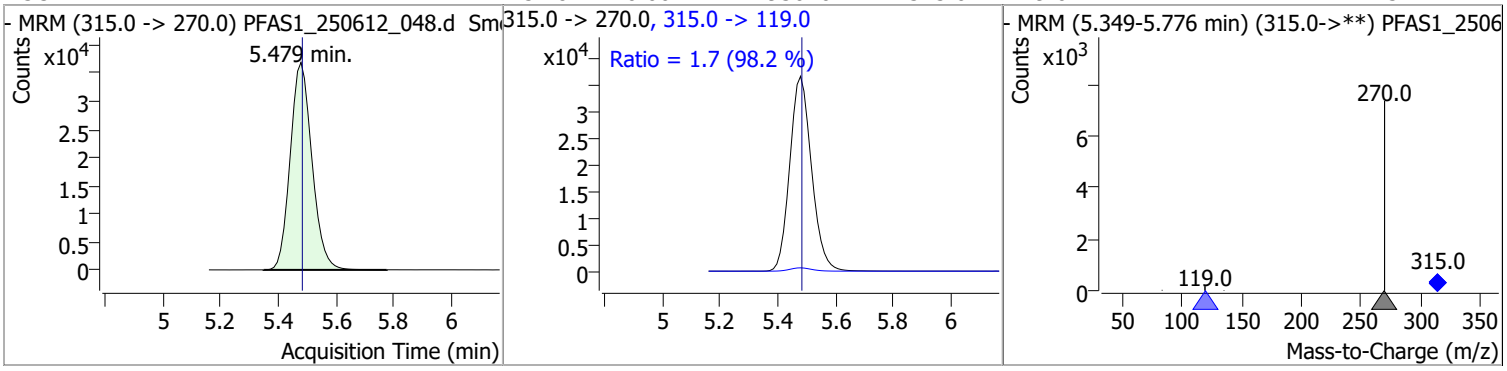
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	d	0		0	295.0 -> 85.0		19.1	35.4



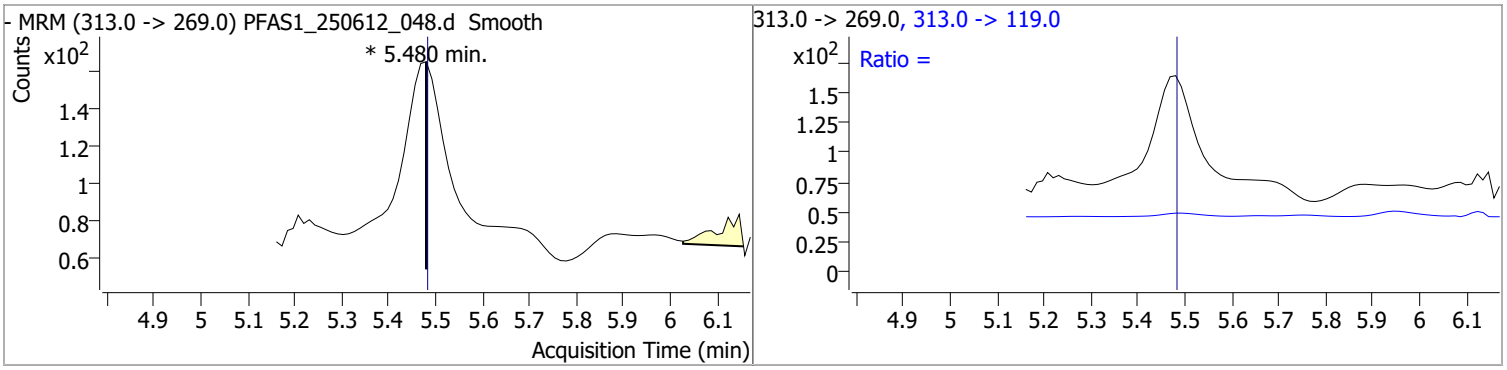
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5897	5.48	0.00	205928	318.0 -> 120.0	1.6	1.1	2.1



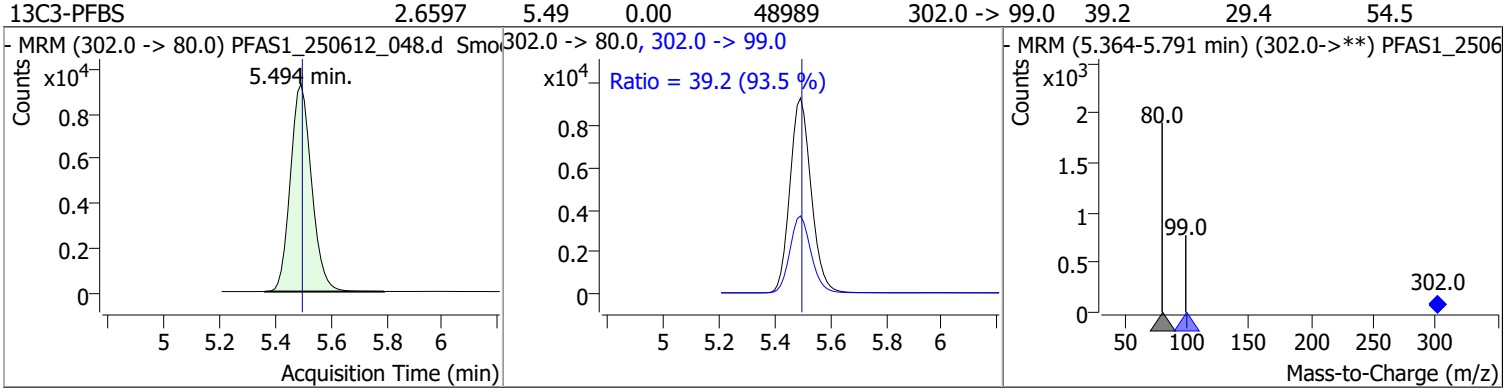
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	193010	315.0 -> 119.0	1.7	1.2	2.3



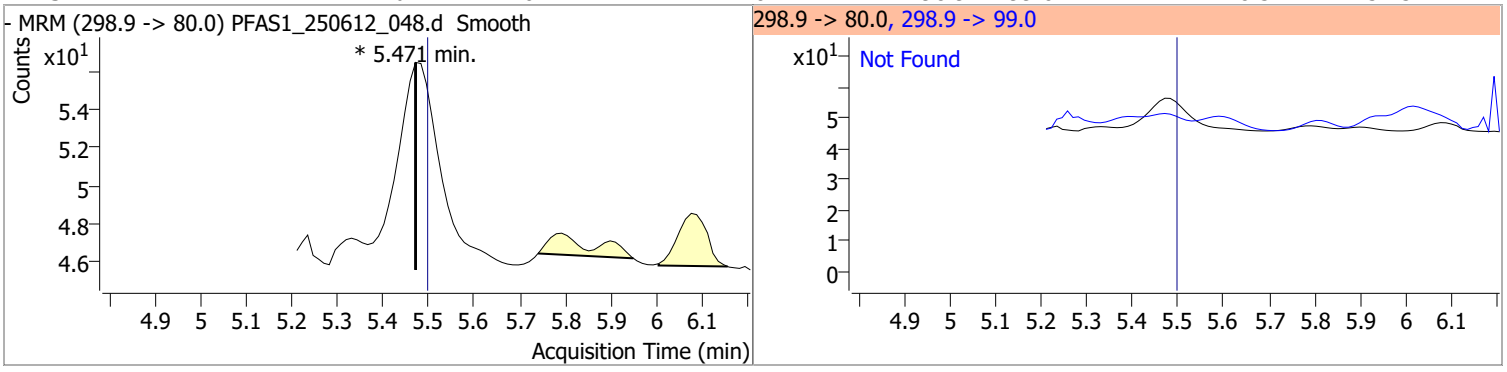
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	d	0		0	313.0 -> 119.0		2.4	4.5



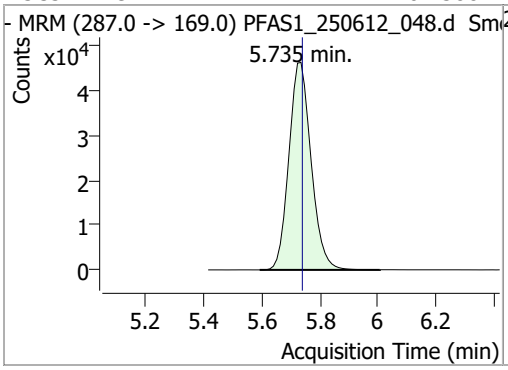
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6597	5.49	0.00	48989	302.0 -> 99.0	39.2	29.4	54.5

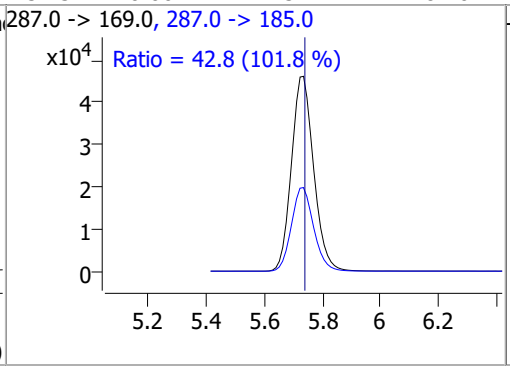


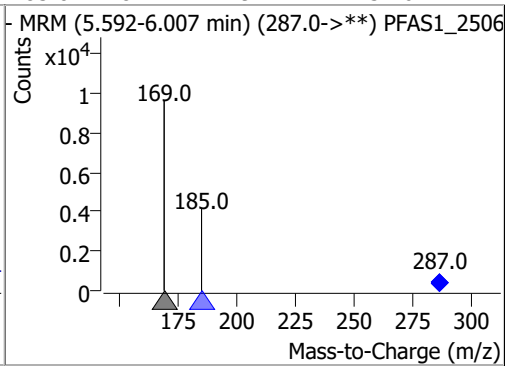
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	d	0		0	298.9 -> 99.0		28.3	52.5



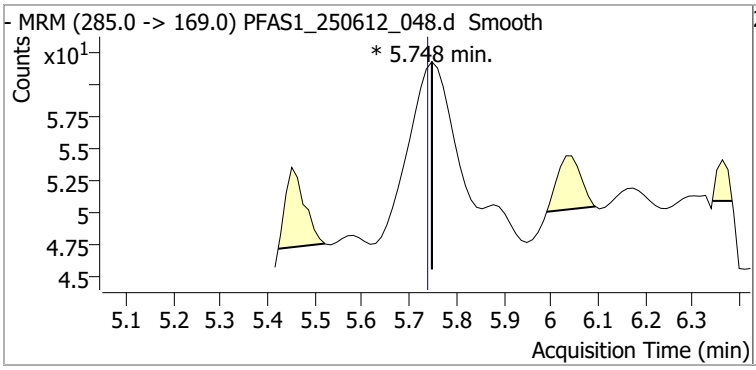
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2388	5.73	0.00	245477	287.0 -> 185.0	42.8	29.4	54.6

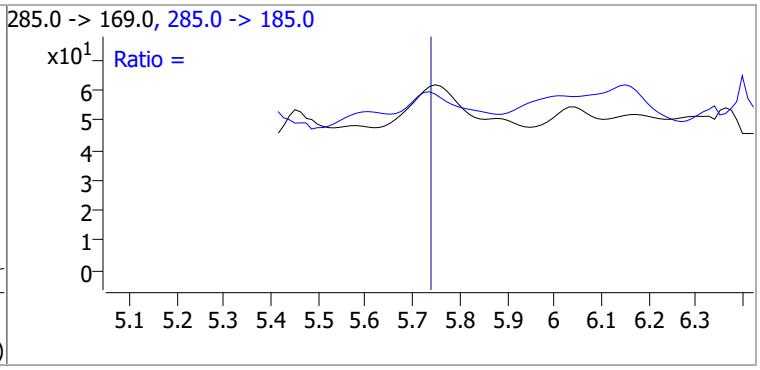




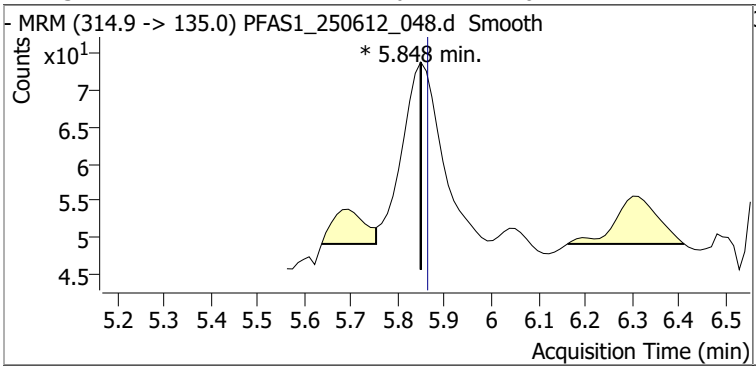


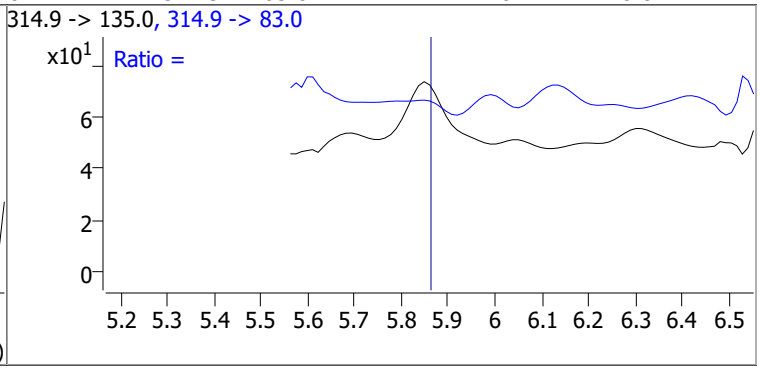
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	d	0		0	285.0 -> 185.0		30.1	56.0



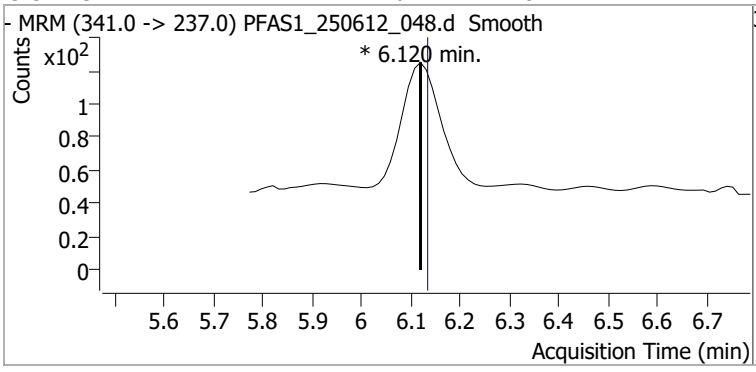


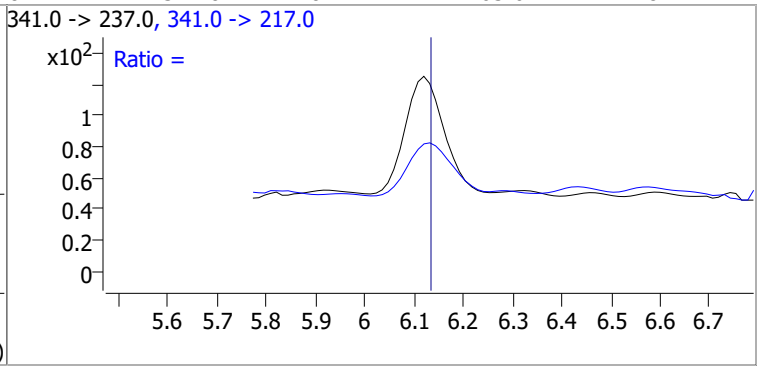
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	d	0		0	314.9 -> 83.0		4.8	8.8



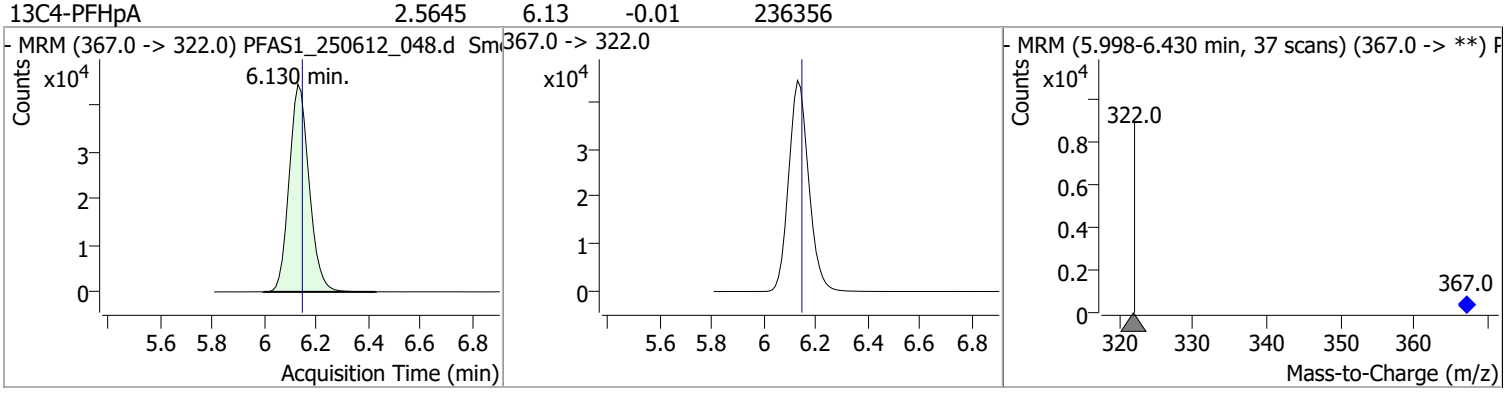


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	d	0		0	341.0 -> 217.0		63.6	118.1

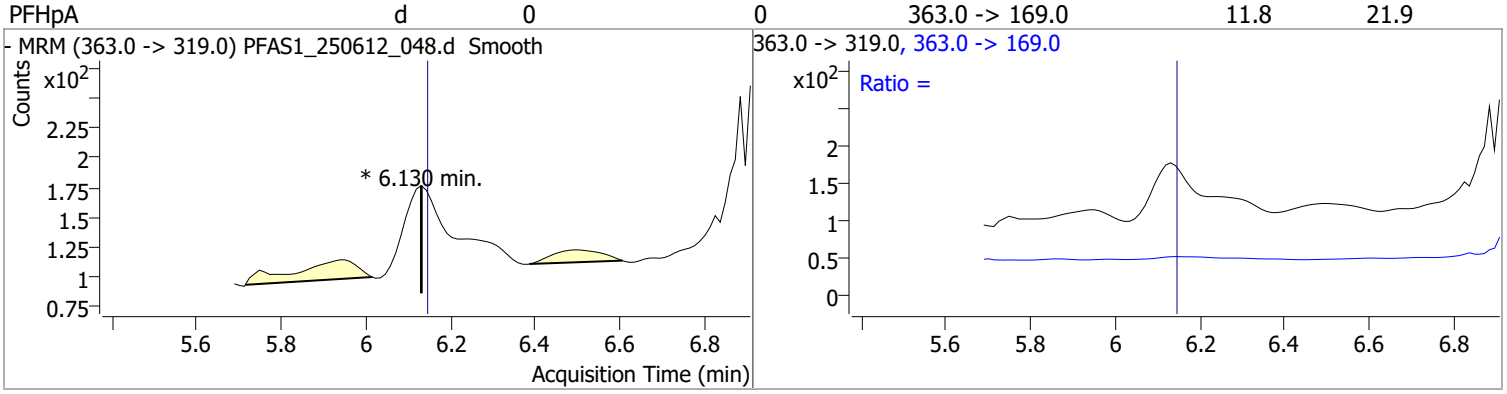




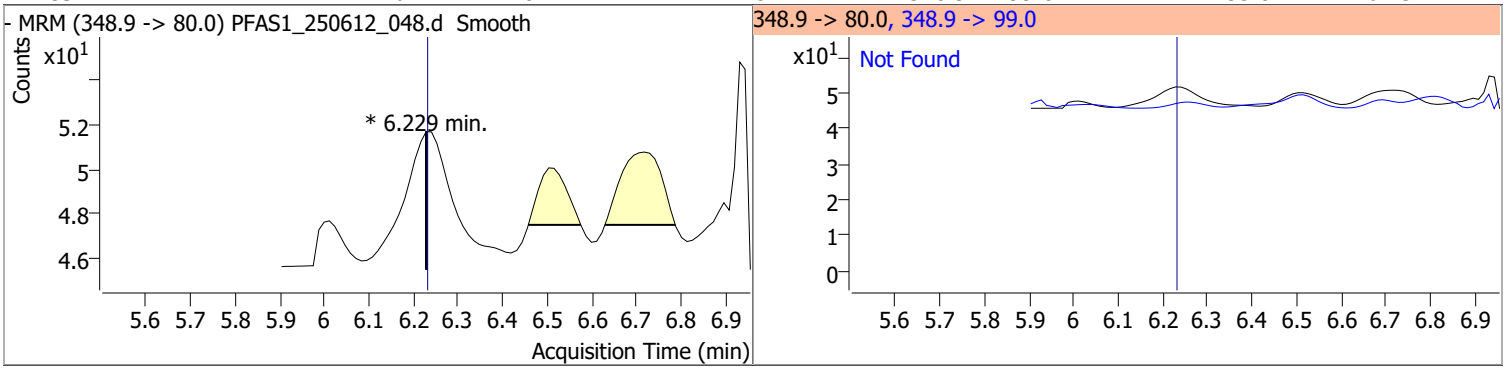
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5645	6.13	-0.01	236356				



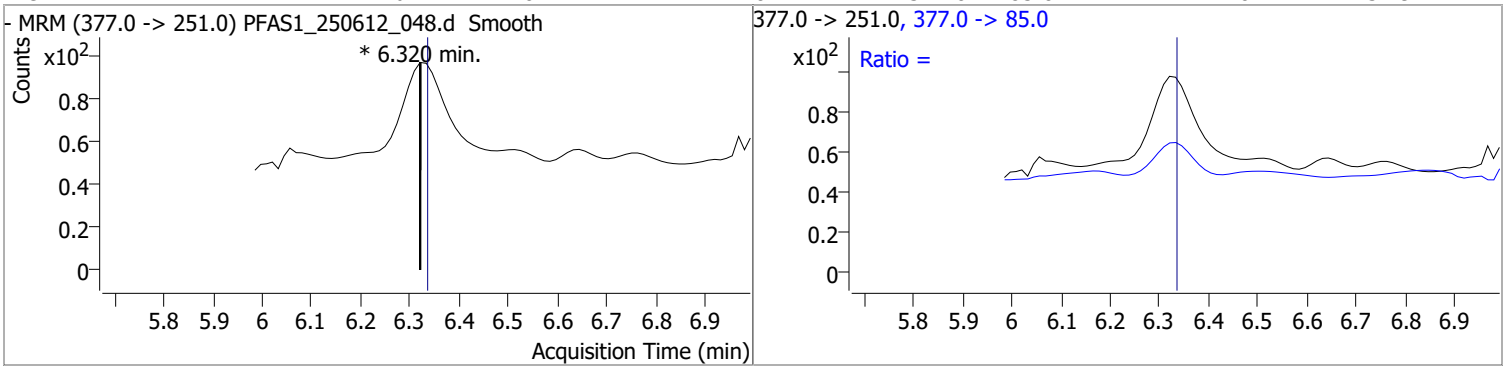
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	d	0		0	363.0 -> 169.0		11.8	21.9



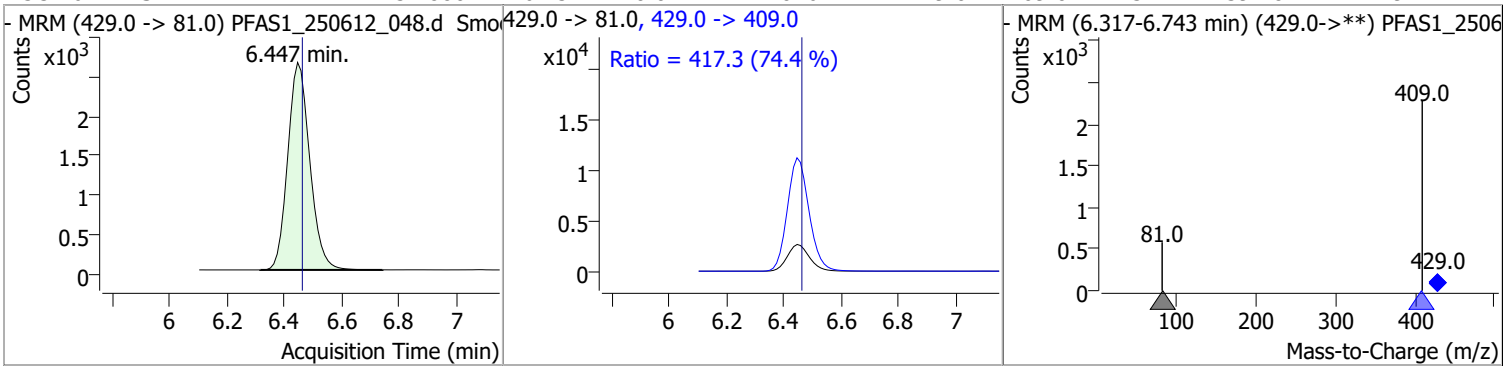
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	d	0		0	348.9 -> 99.0		33.0	61.3



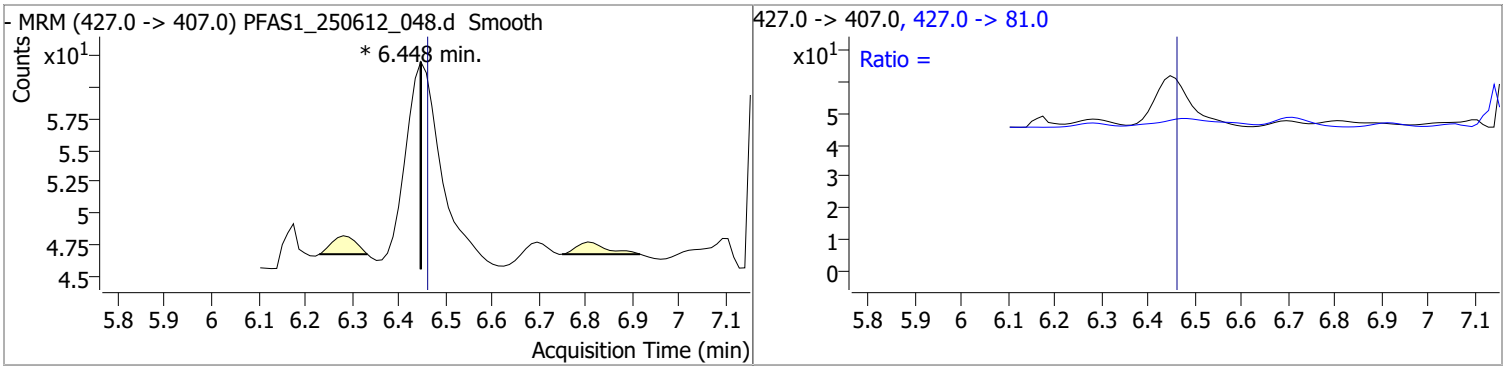
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	d	0		0	377.0 -> 85.0		20.4	37.9



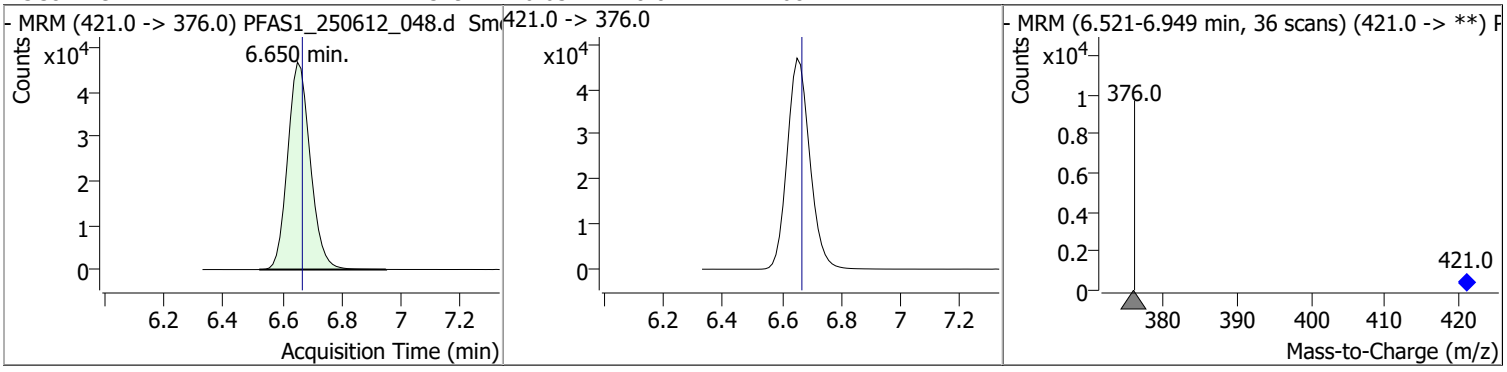
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.7880	6.45	-0.01	14076	429.0 -> 409.0	417.3	392.8	729.4



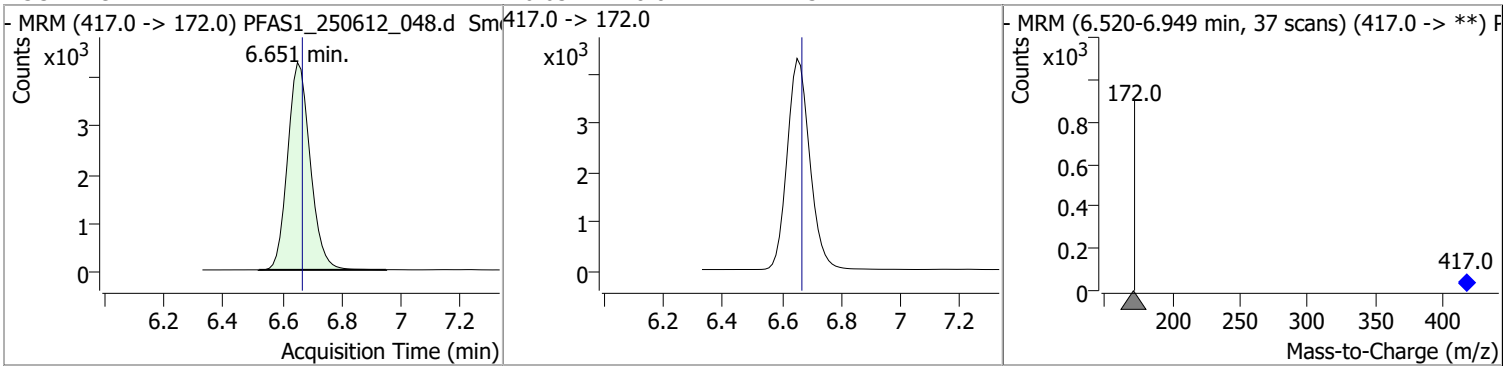
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	d	0		0	427.0 -> 81.0		17.7	32.8



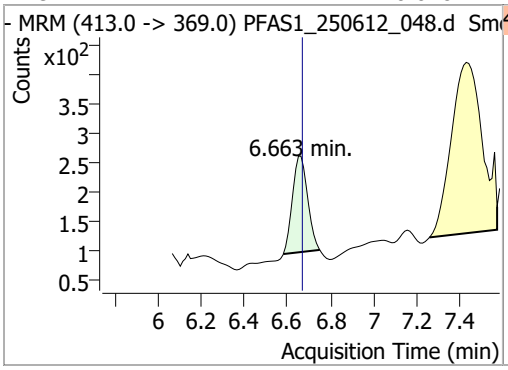
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4529	6.65	-0.01	246842				

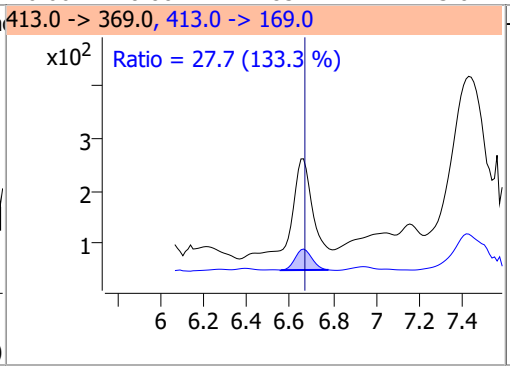


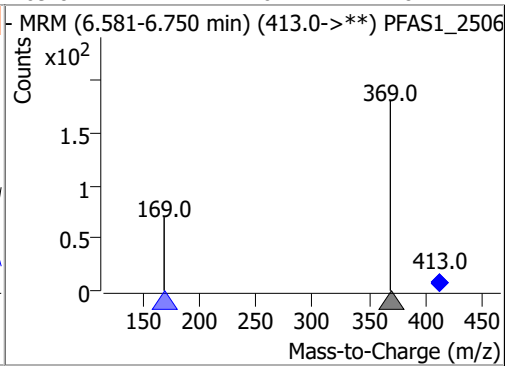
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22473				



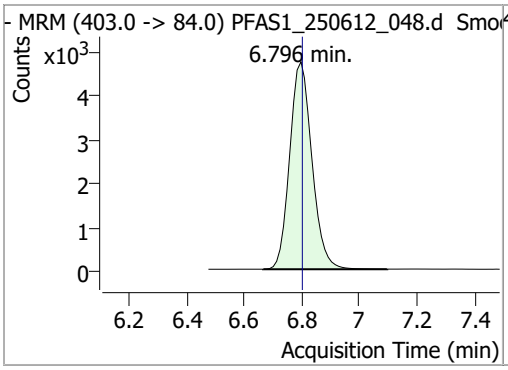
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0181	6.66	0.00	785	413.0 -> 169.0	27.7	14.6	27.0

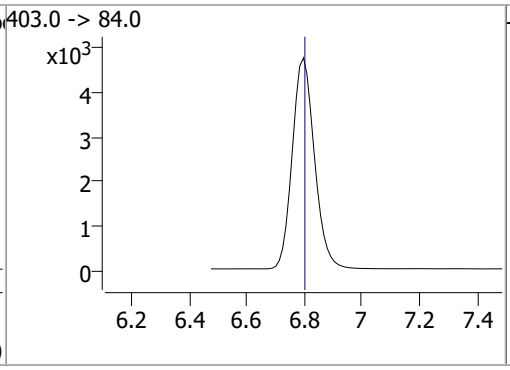


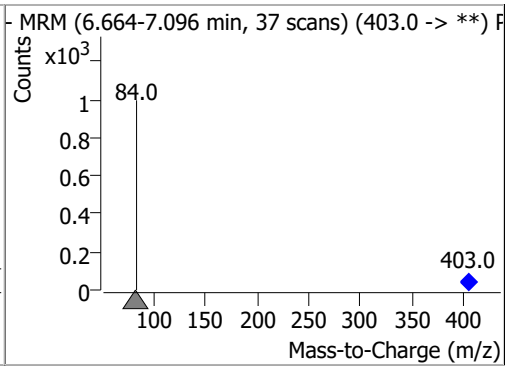




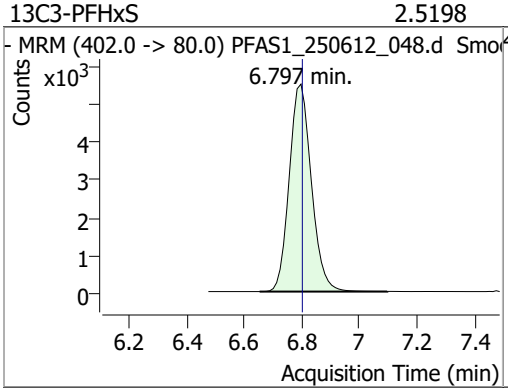
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	25437				

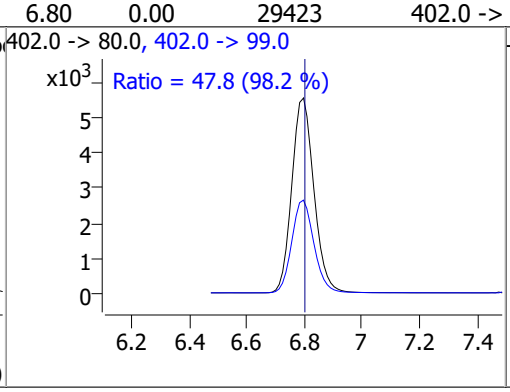


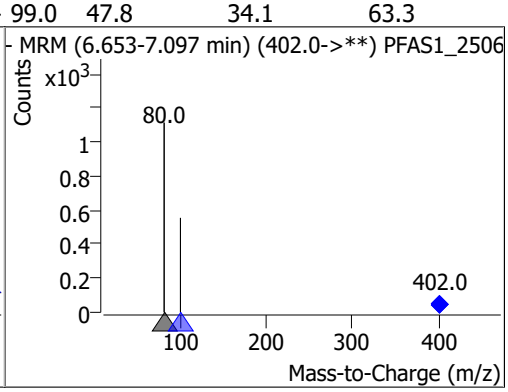




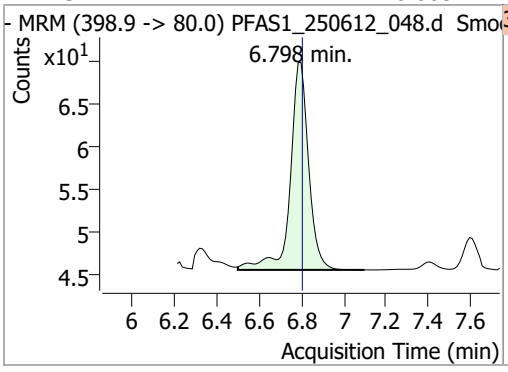
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5198	6.80	0.00	29423	402.0 -> 99.0	47.8	34.1	63.3

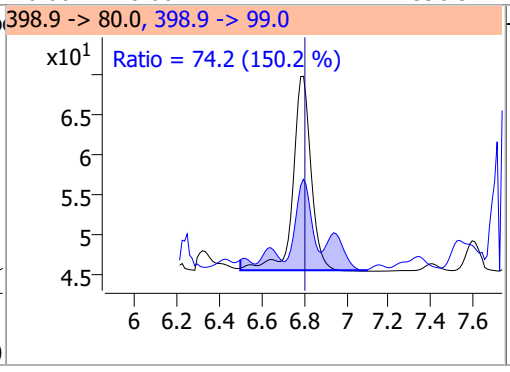


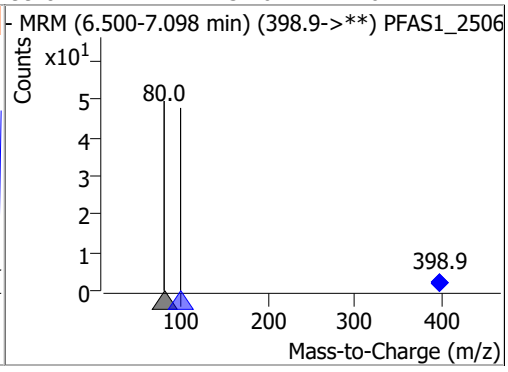




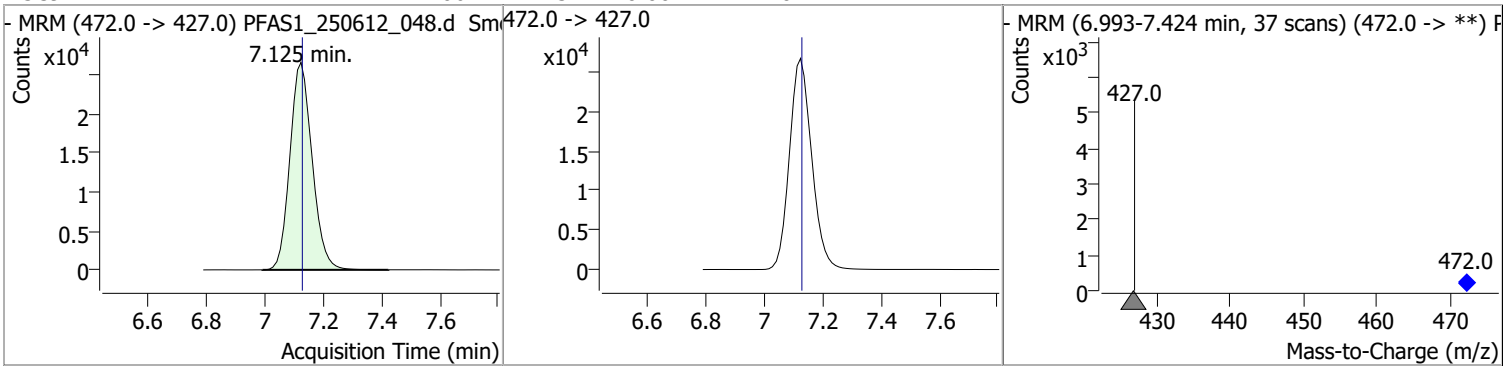
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0054	6.80	0.00	147	398.9 -> 99.0	74.2	34.6	64.2



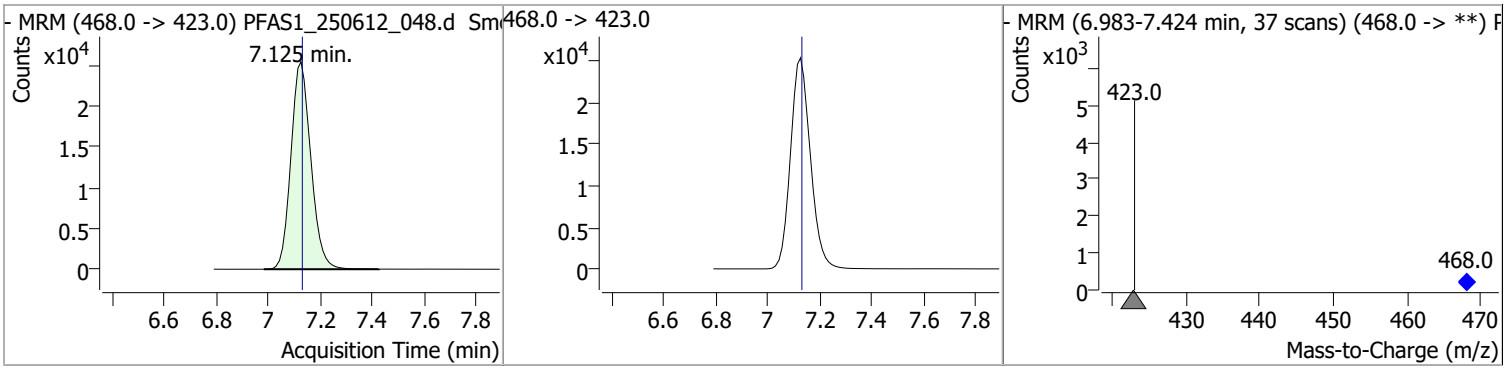




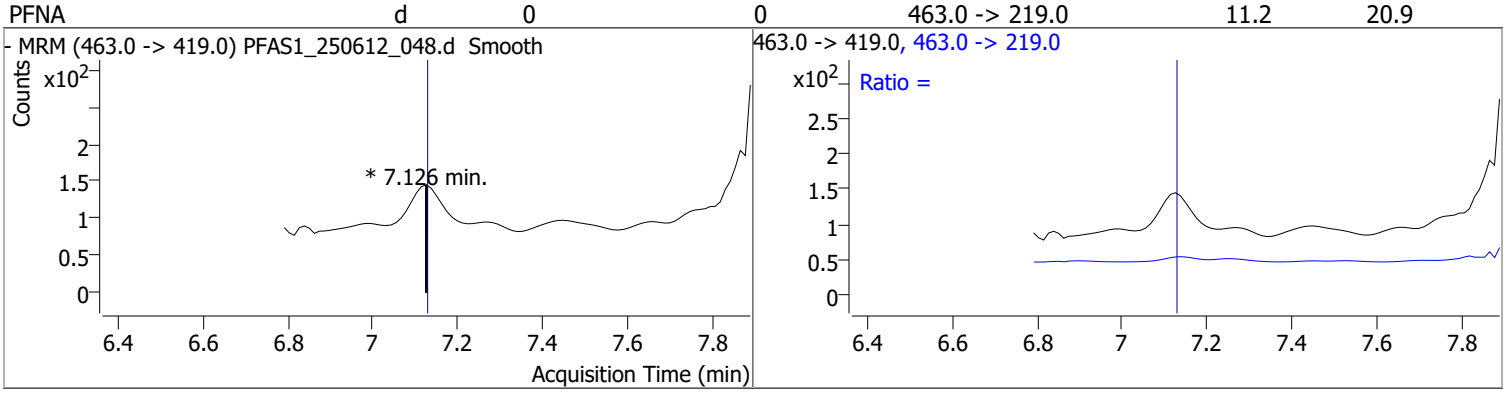
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2706	7.13	0.00	140122				



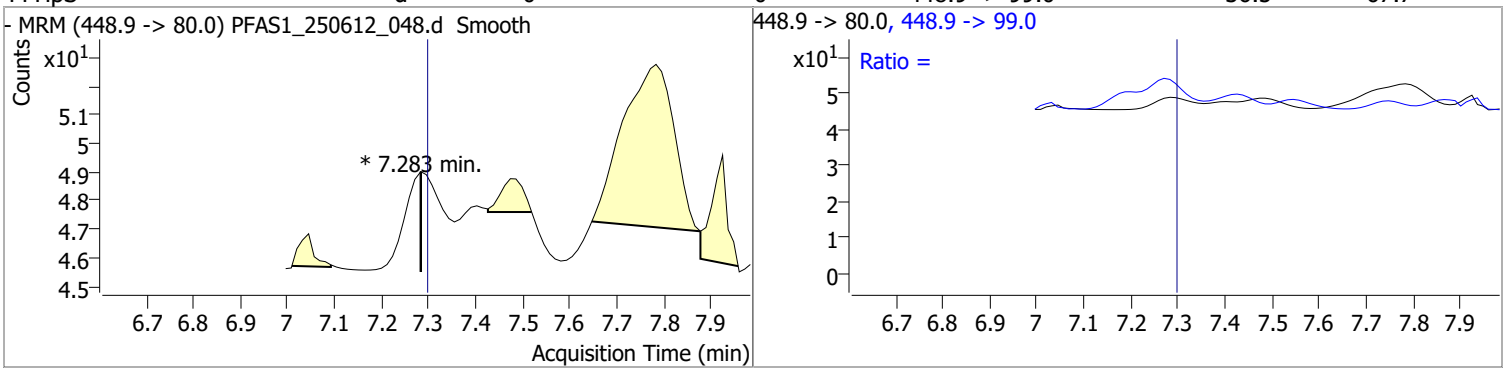
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	134494				



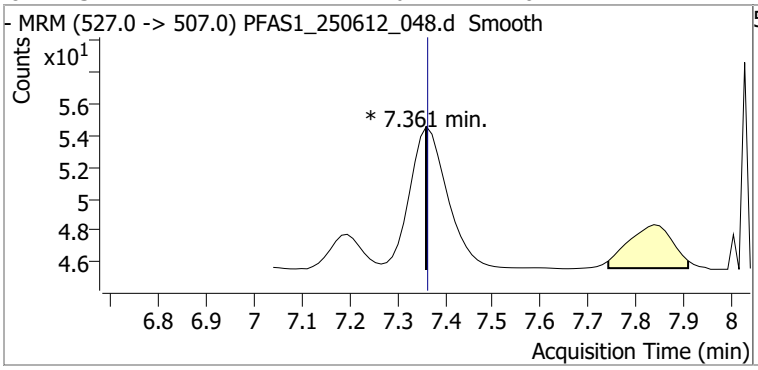
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	d	0		0	463.0 -> 219.0		11.2	20.9

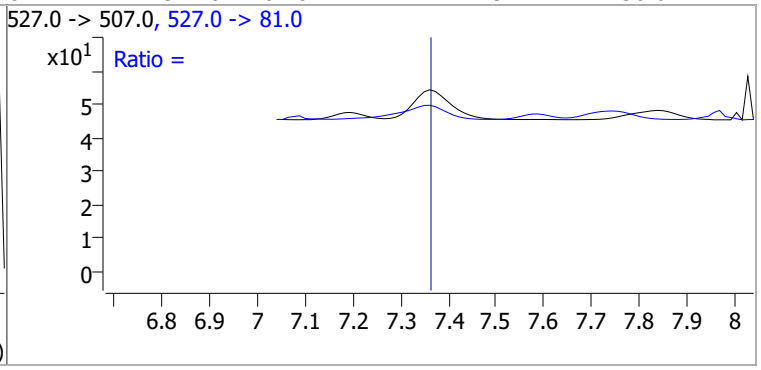


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	d	0		0	448.9 -> 99.0		36.5	67.7

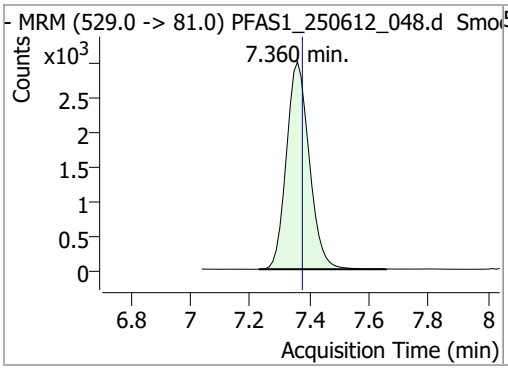


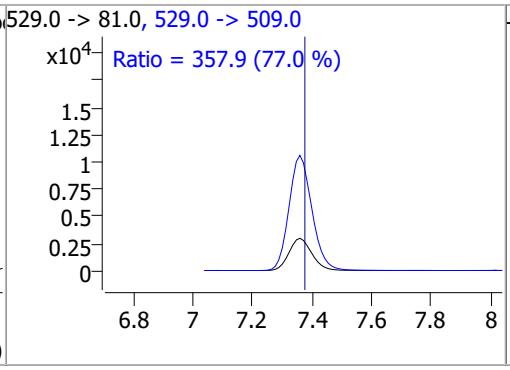
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	d	0		0	527.0 -> 81.0		19.7	36.6

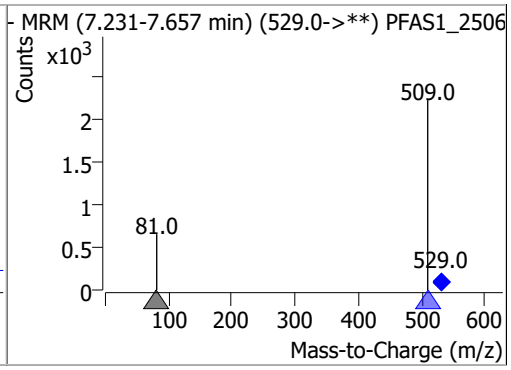




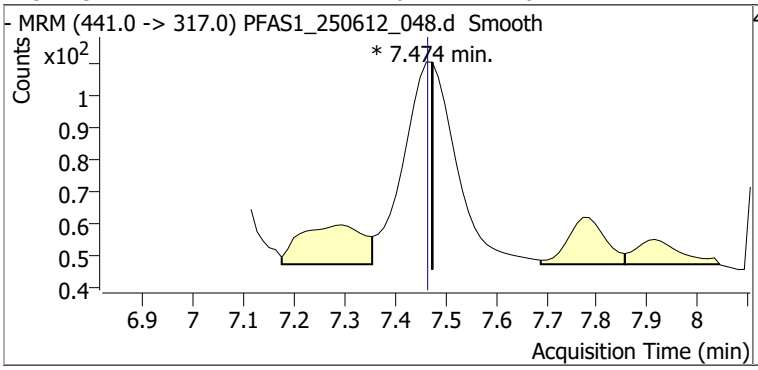
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.9070	7.36	-0.01	15729	529.0 -> 509.0	357.9	325.6	604.6

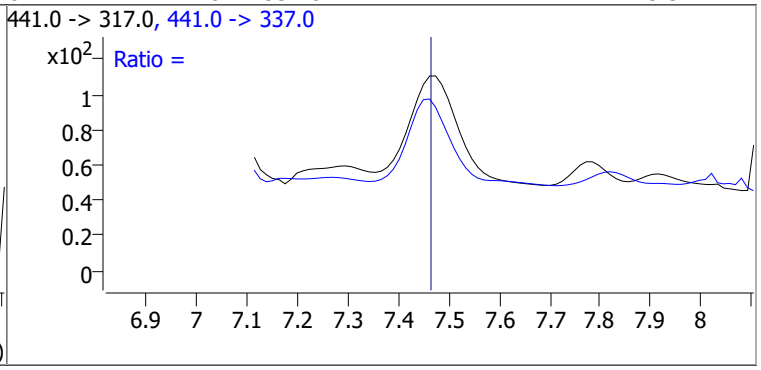




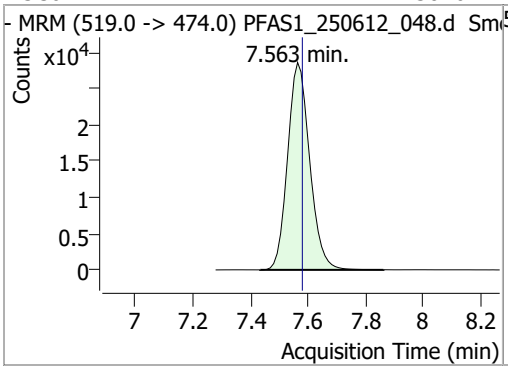


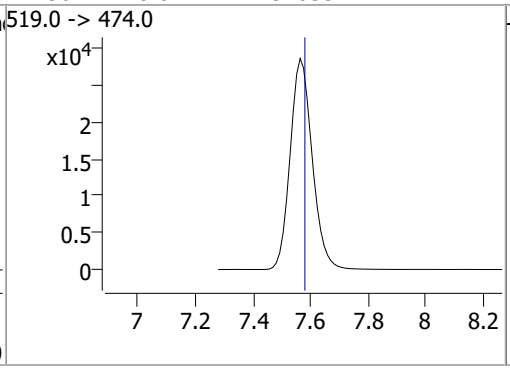
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	d	0		0	441.0 -> 337.0		77.1	143.3

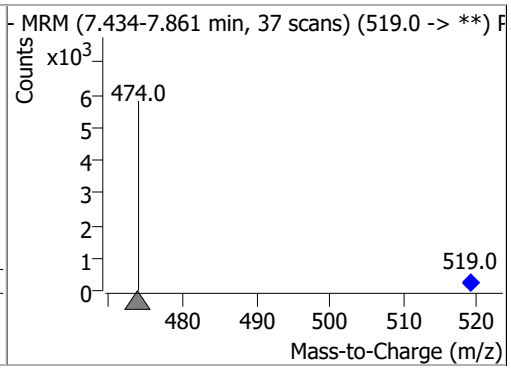




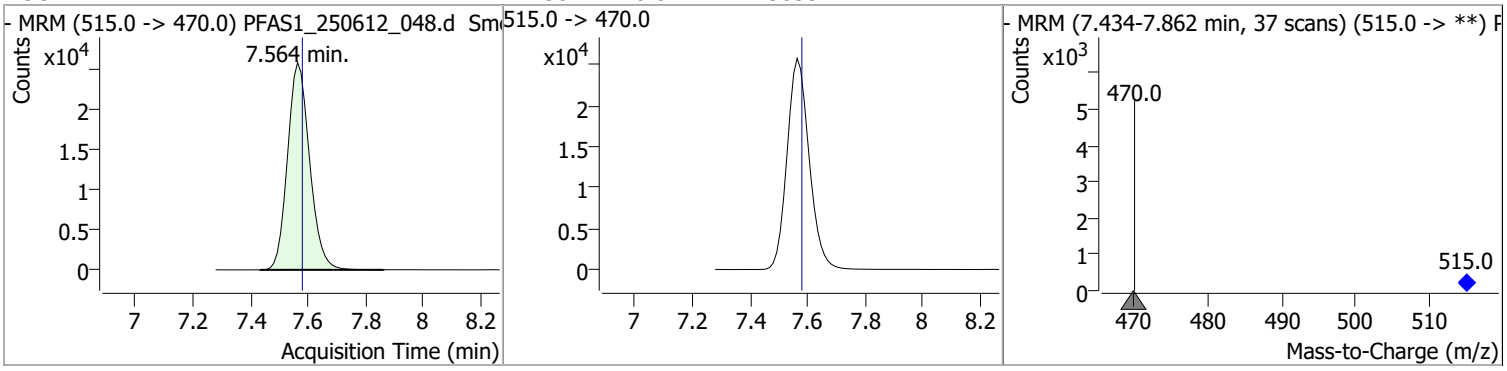
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3076	7.56	-0.01	151633				



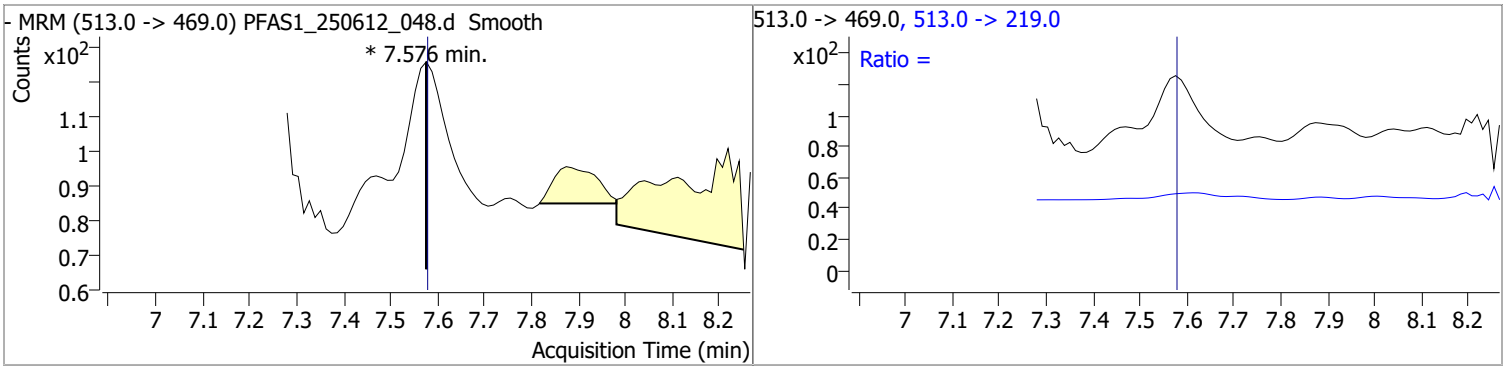




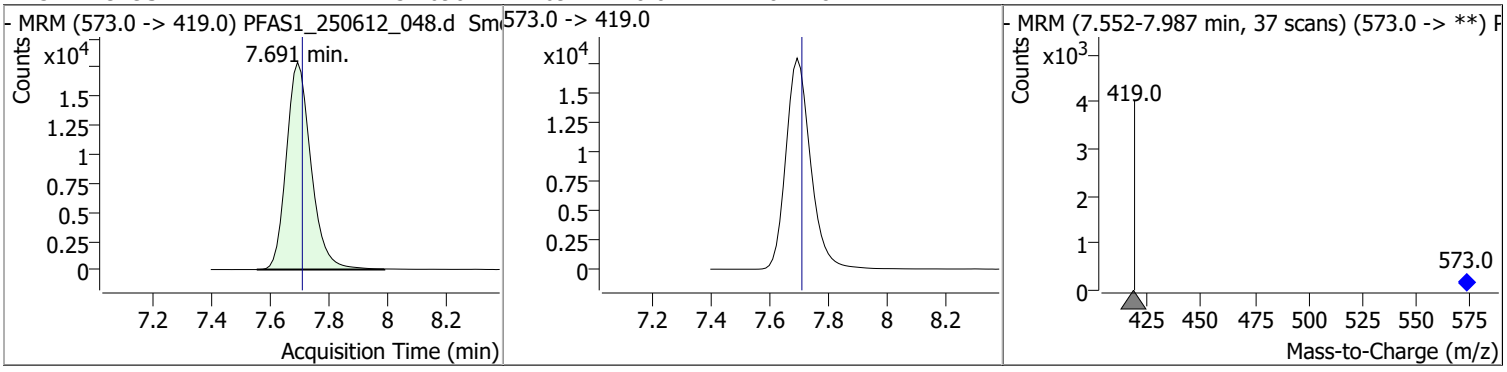
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	136557				



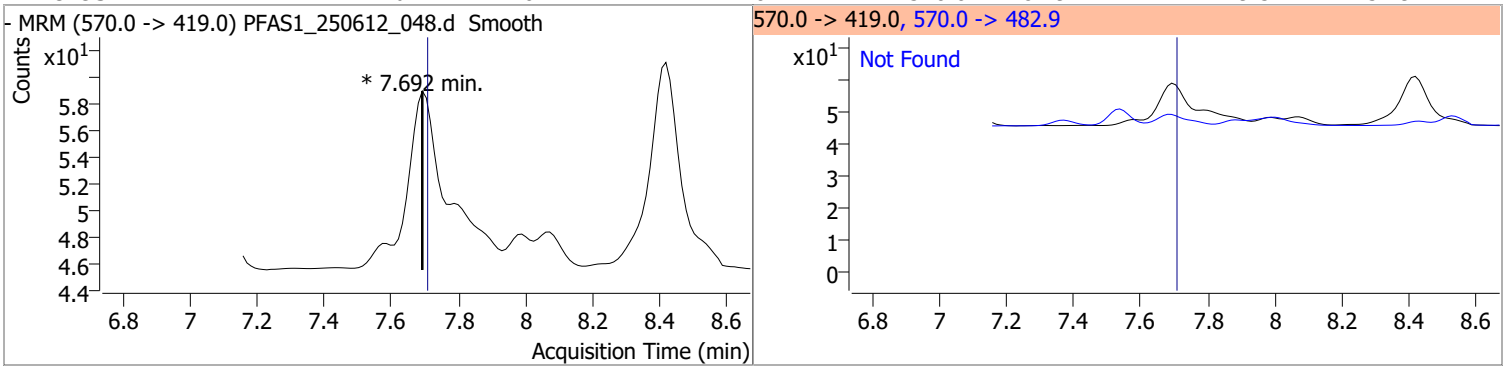
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	d	0		0	513.0 -> 219.0		8.7	16.2



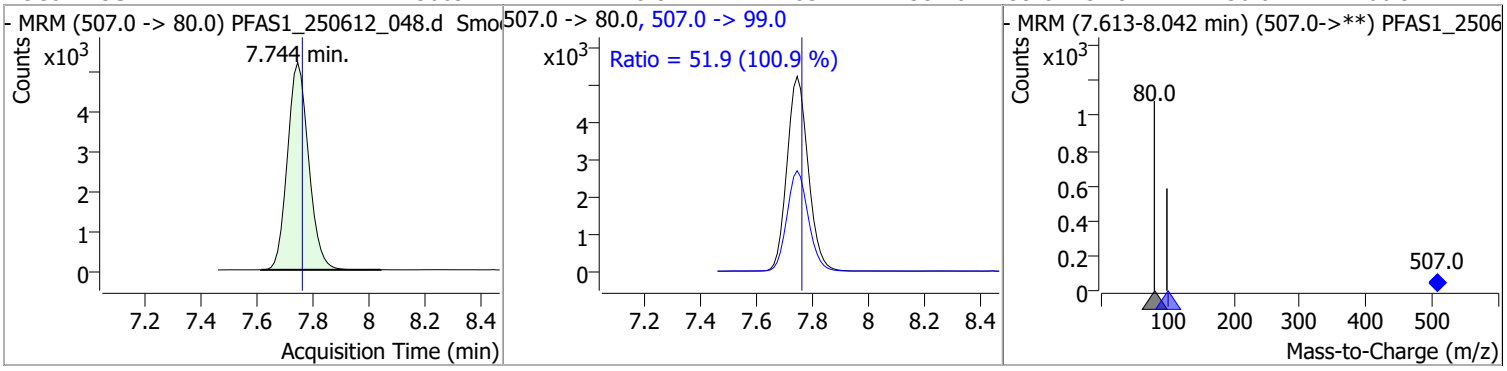
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1690	7.69	-0.01	104278				



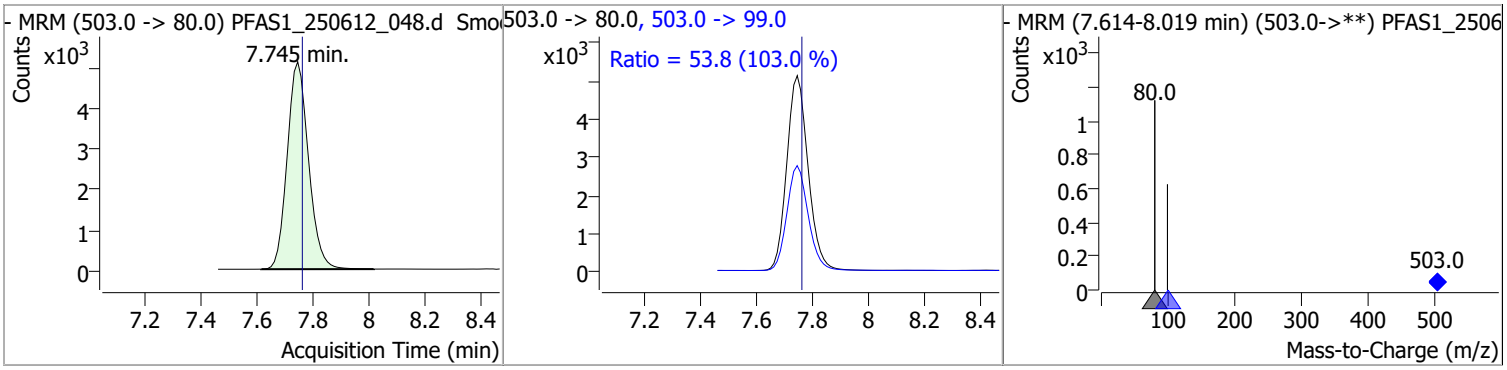
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	d	0		0	570.0 -> 482.9		29.5	54.9



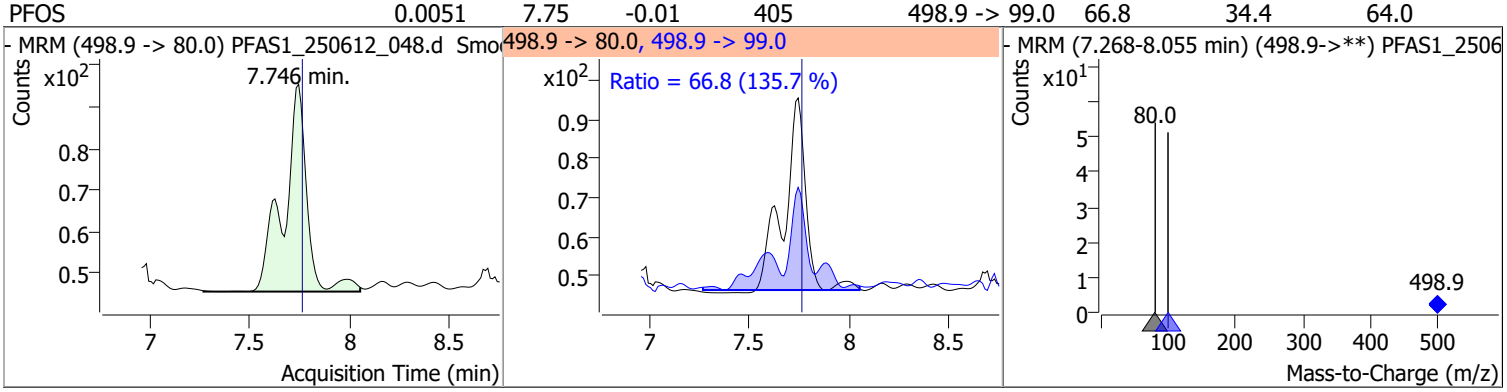
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5669	7.74	-0.01	27483	507.0 -> 99.0	51.9	36.0	66.9



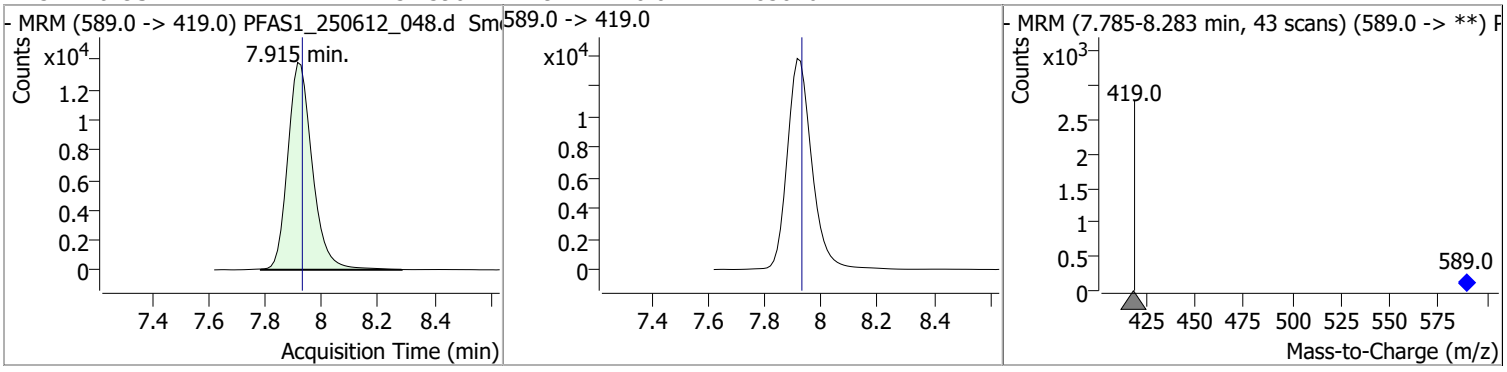
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	27018	503.0 -> 99.0	53.8	36.6	67.9



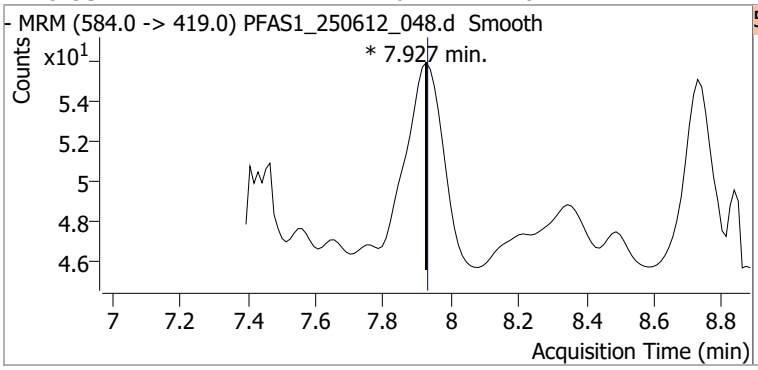
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0051	7.75	-0.01	405	498.9 -> 99.0	66.8	34.4	64.0

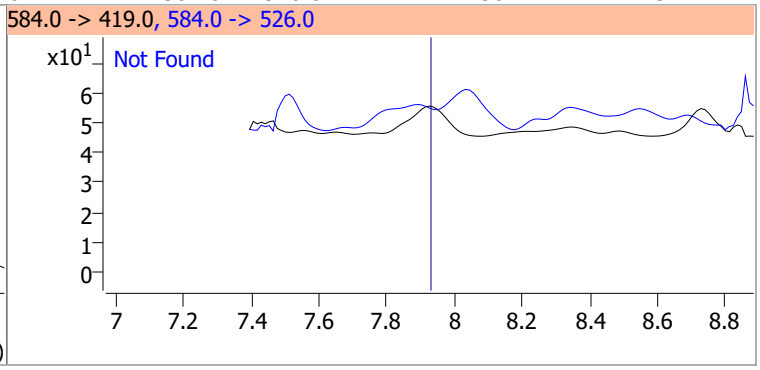


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1390	7.91	-0.01	83076				

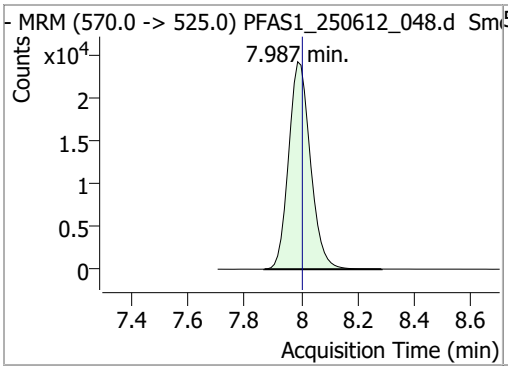


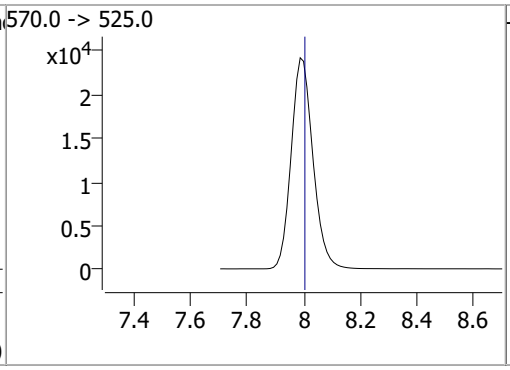
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	d	0		0	584.0 -> 526.0		38.4	71.3

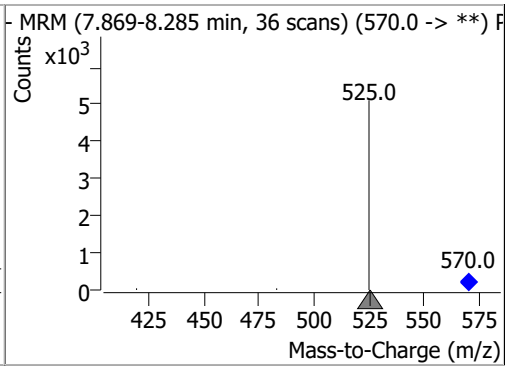




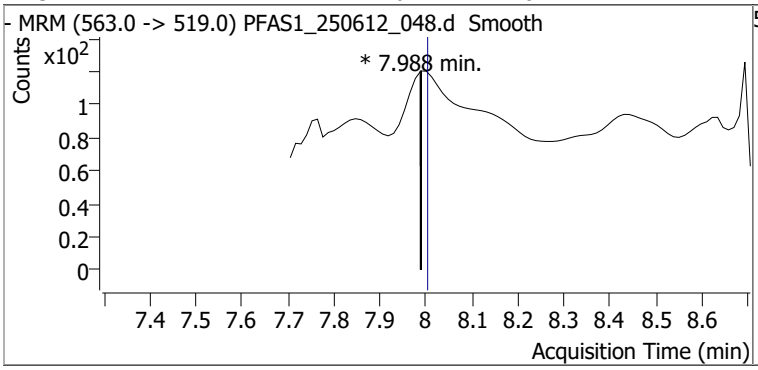
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2883	7.99	-0.01	129712				

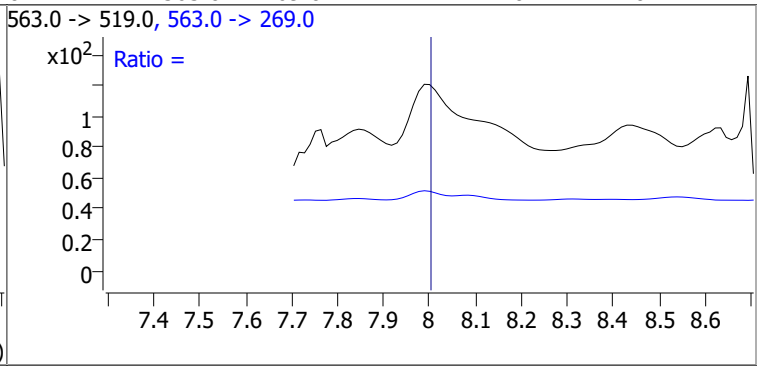




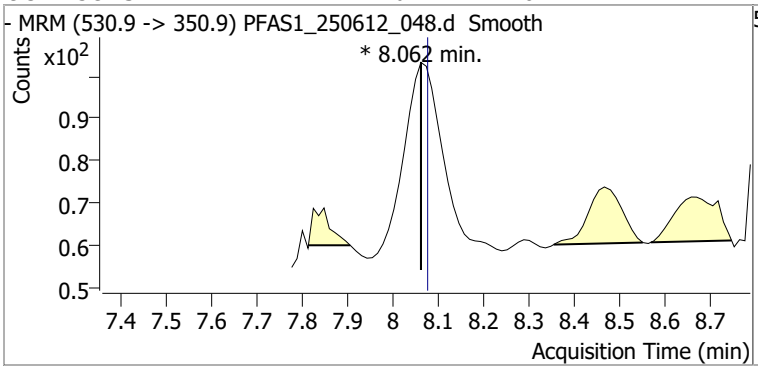


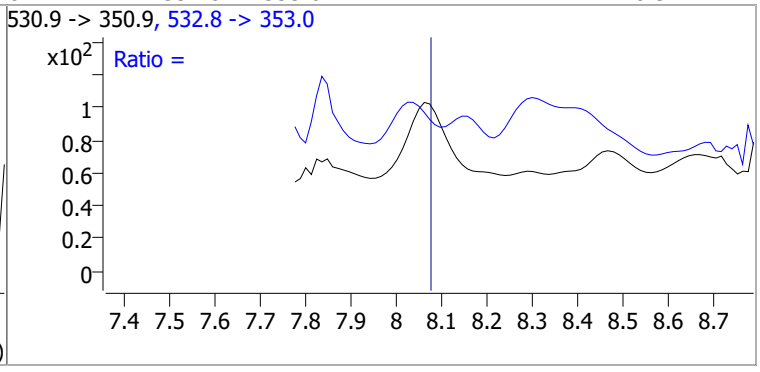
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	d	0		0	563.0 -> 269.0		11.0	20.4



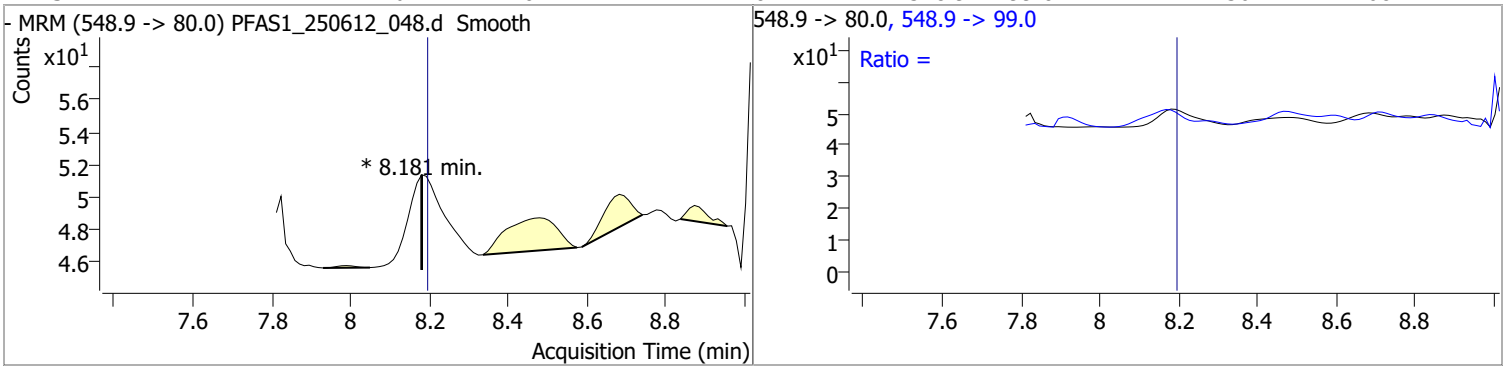


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	d	0		0	532.8 -> 353.0		21.7	40.3

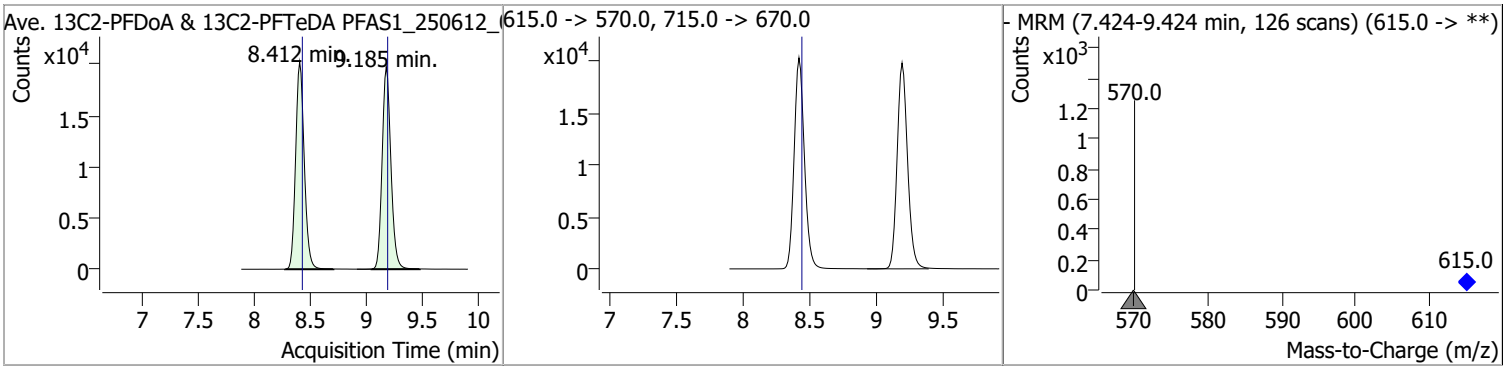




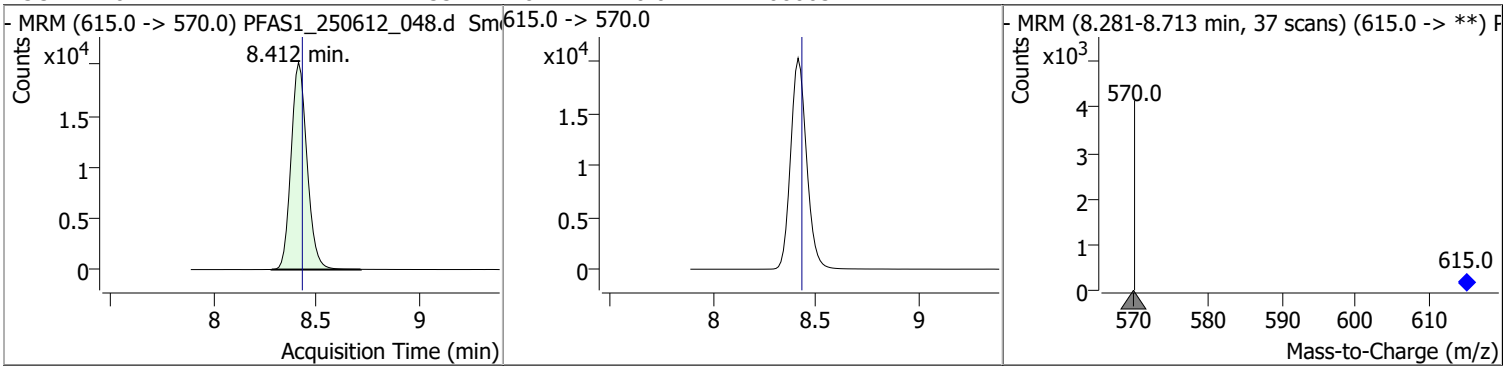
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	d	0		0	548.9 -> 99.0		36.7	68.1



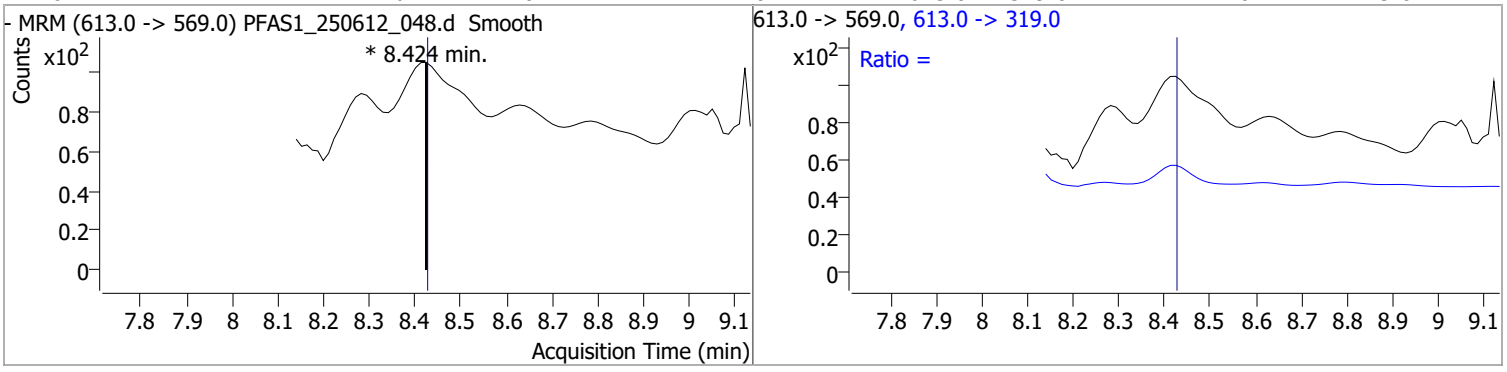
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2454	8.80	0.37	107733				



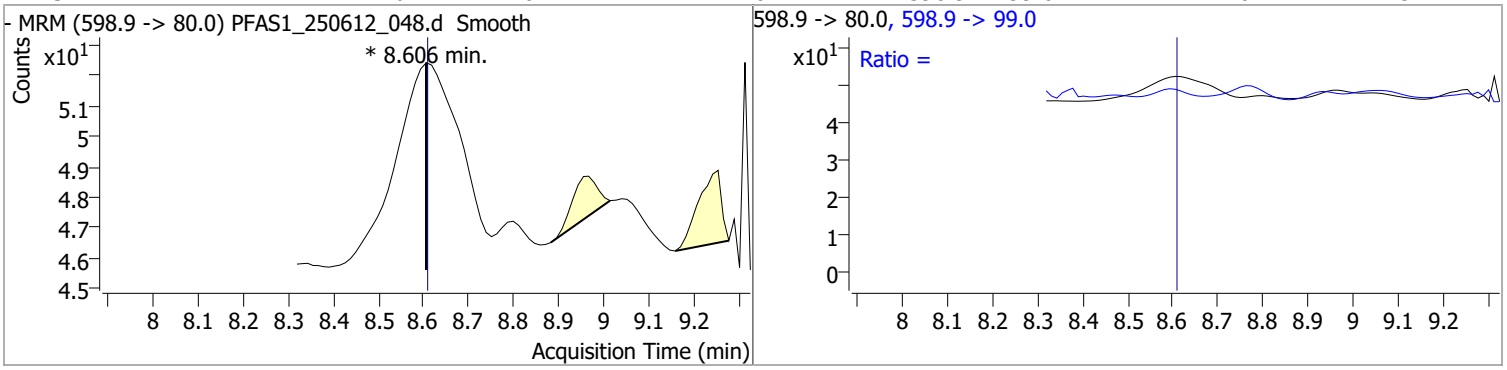
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2331	8.41	-0.01	108003				



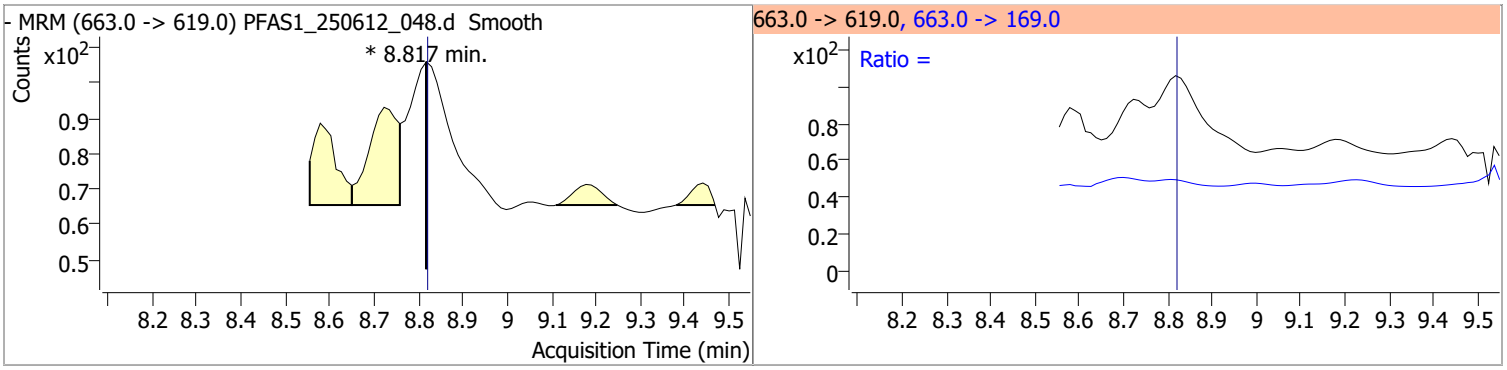
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	d	0		0	613.0 -> 319.0		10.2	19.0



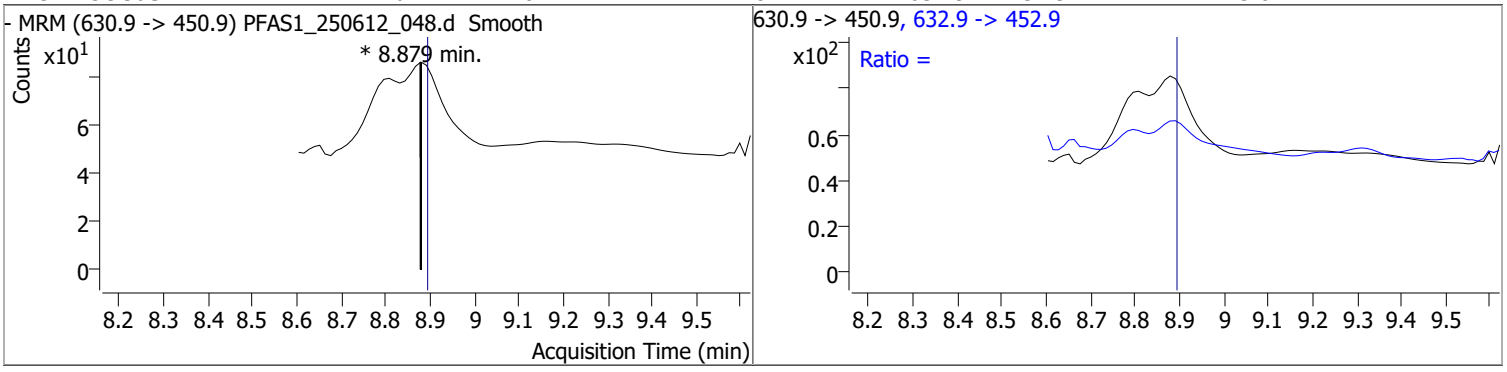
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	d	0		0	598.9 -> 99.0		40.4	74.9



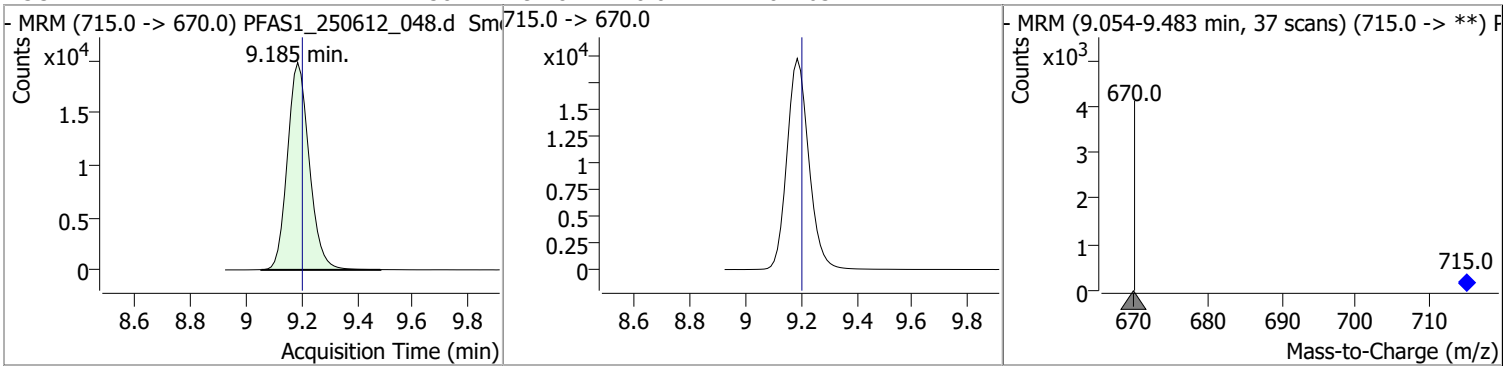
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	d	0		0	663.0 -> 169.0		7.2	13.4



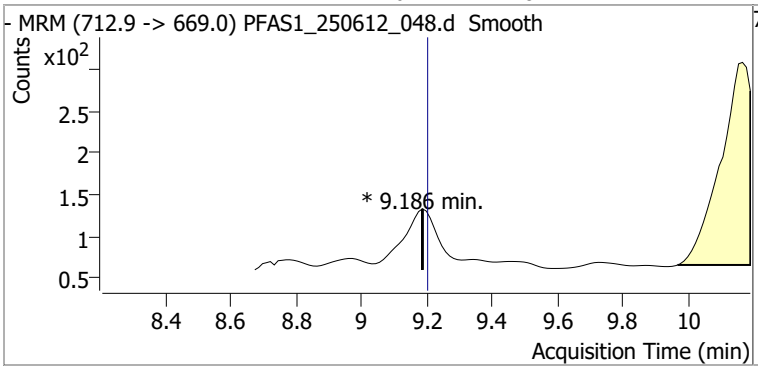
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	d	0		0	632.9 -> 452.9		23.0	42.7

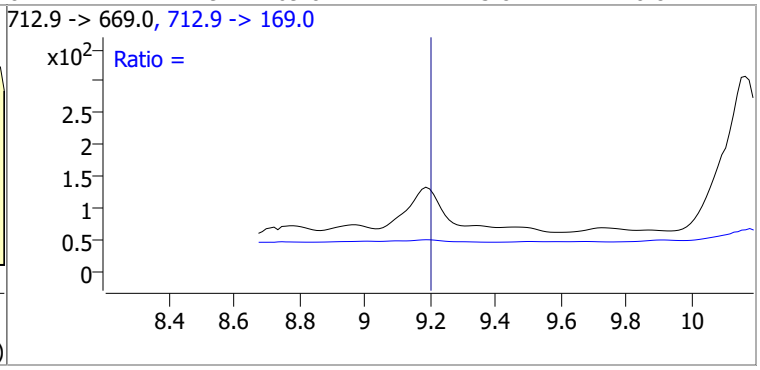


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2581	9.18	-0.01	107463				

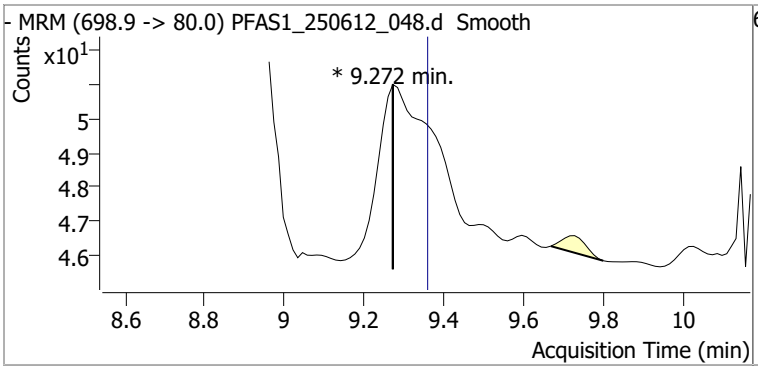


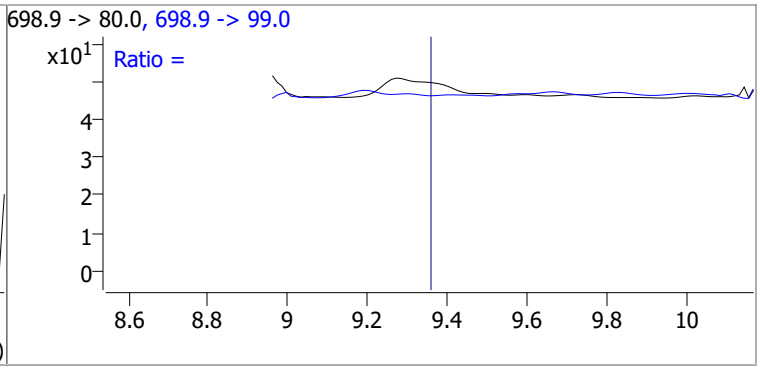
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	d	0		0	712.9 -> 169.0		5.8	10.8



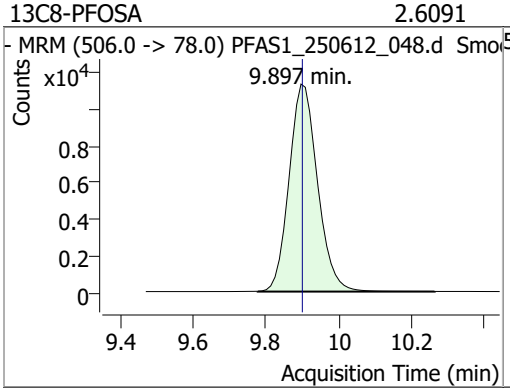


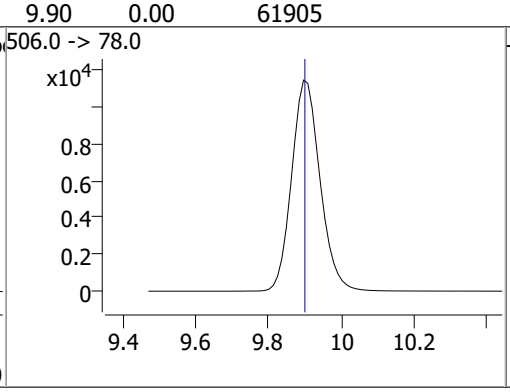
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	d	0		0	698.9 -> 99.0		41.0	76.1

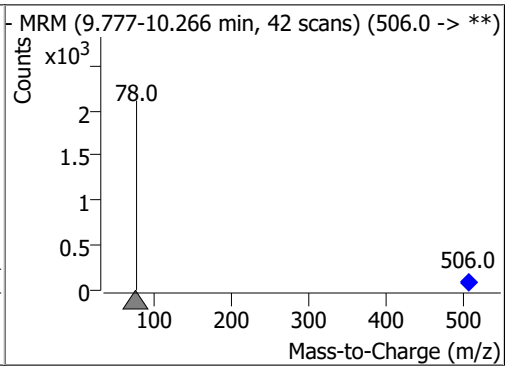




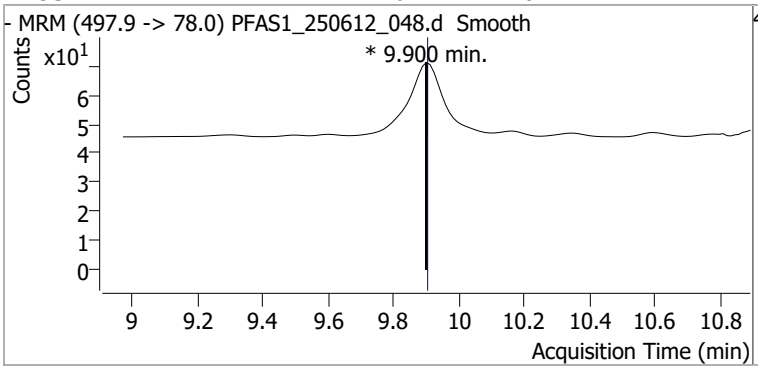
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6091	9.90	0.00	61905				

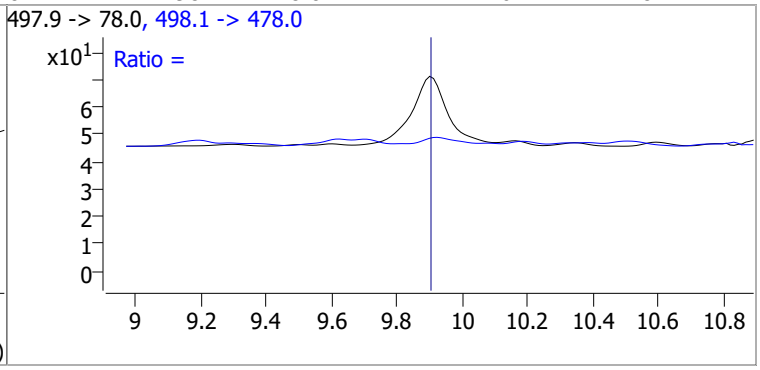




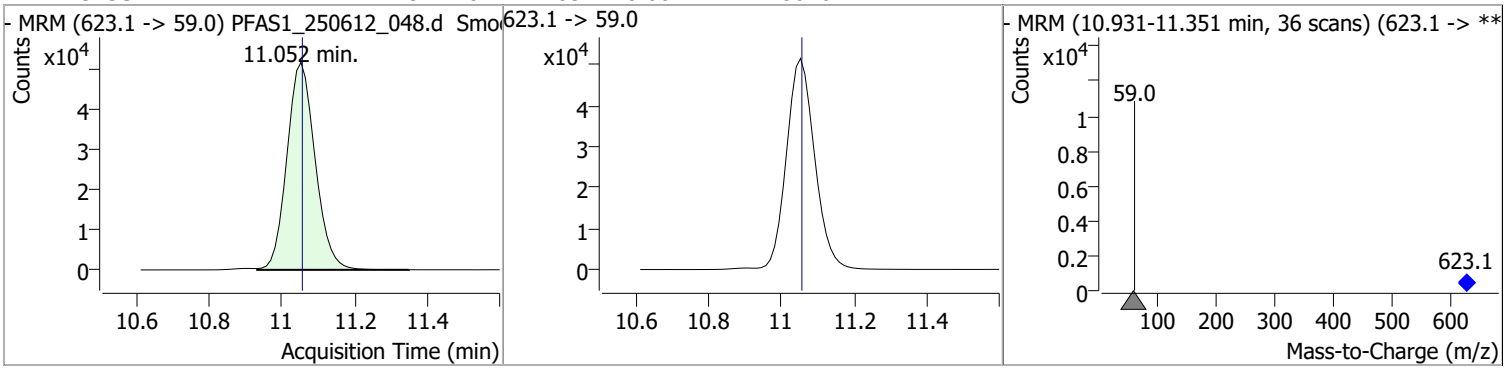


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	d	0		0	498.1 -> 478.0		2.6	4.8

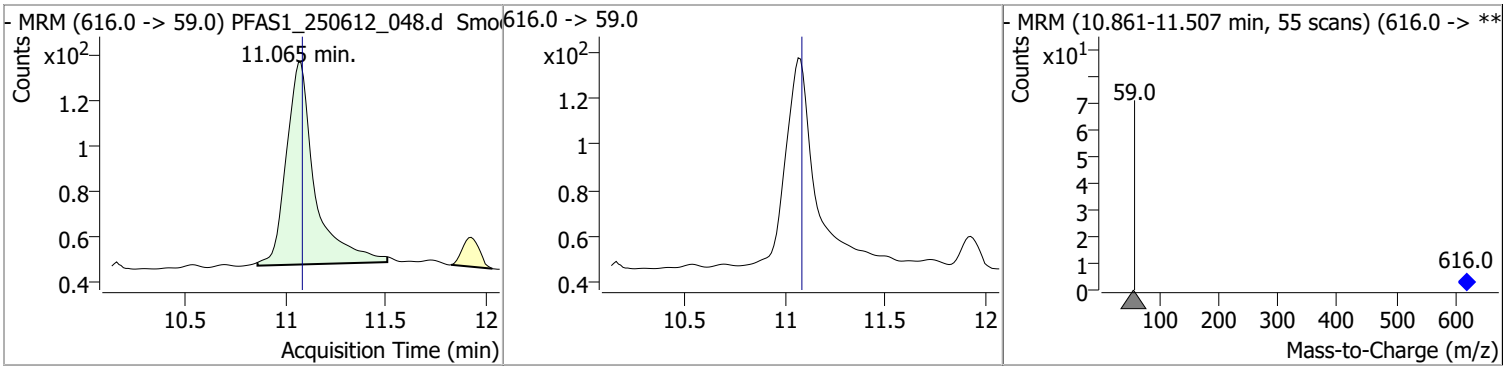




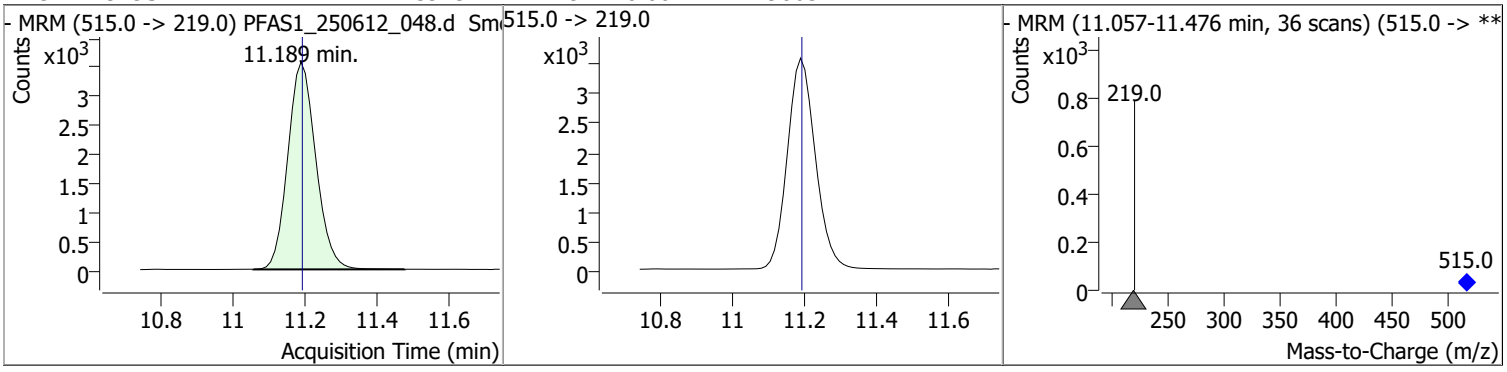
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.4420	11.05	0.00	278676				



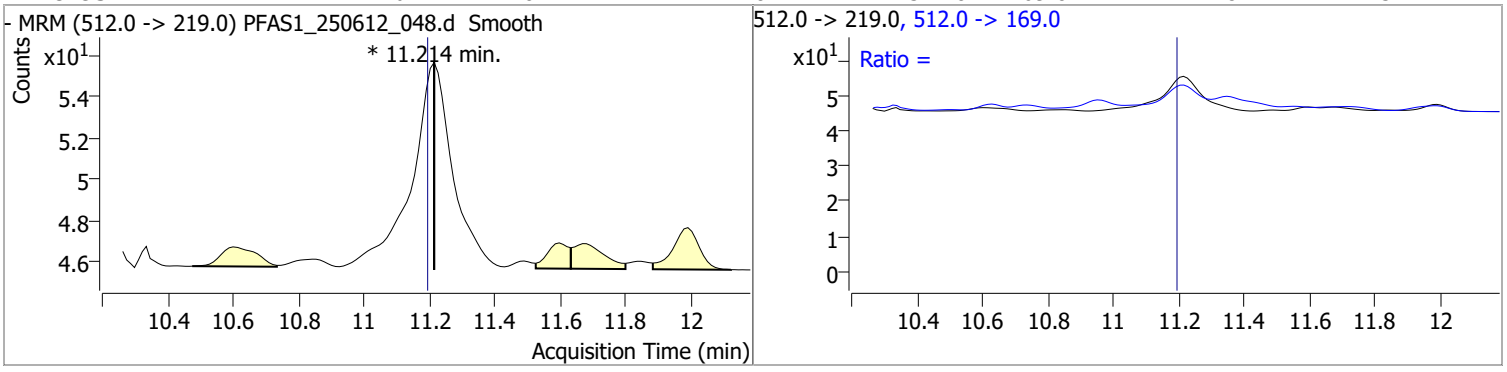
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0080	11.07	-0.01	887				



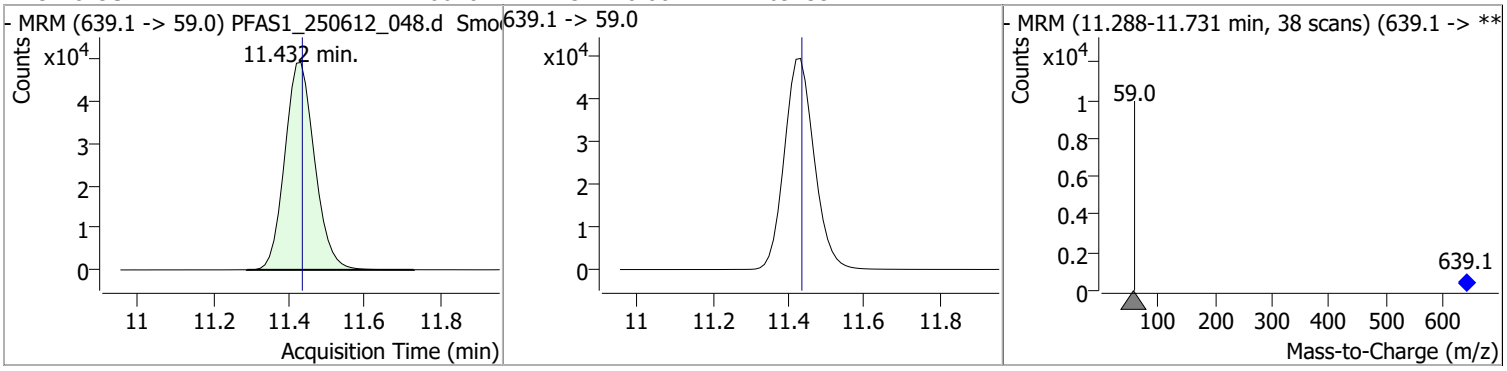
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3923	11.19	0.00	19063				



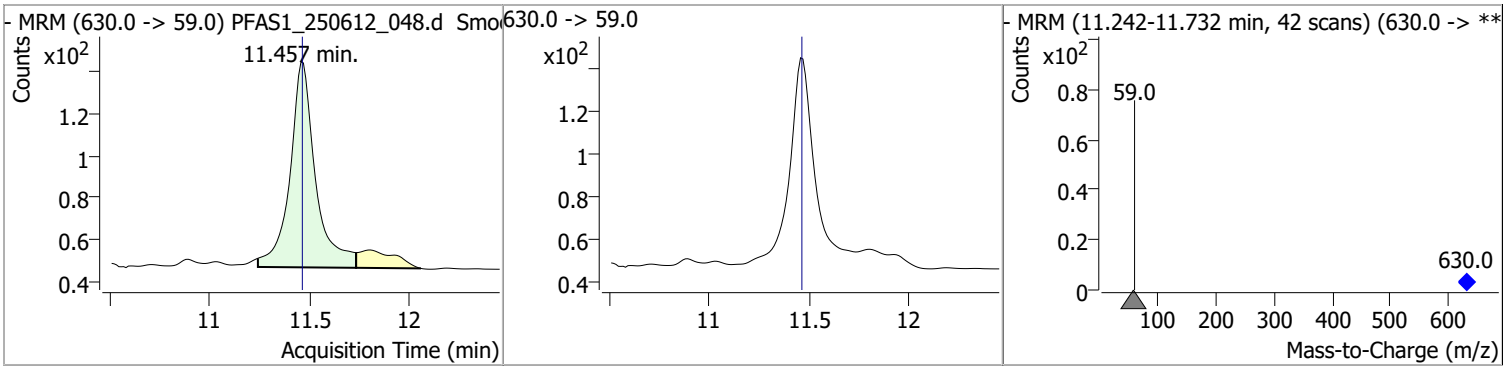
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	d	0		0	512.0 -> 169.0		81.4	151.2



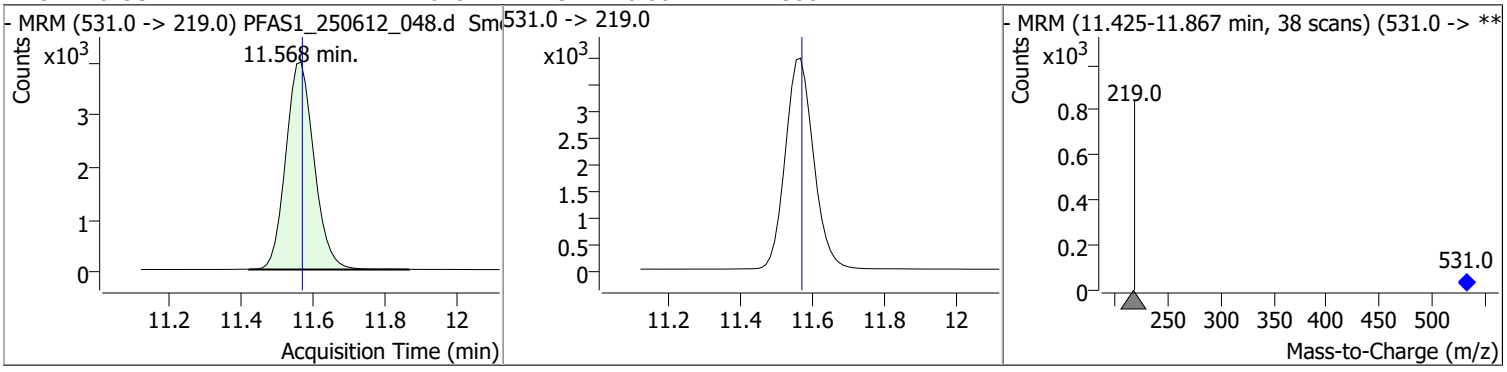
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.6620	11.43	0.00	269499				



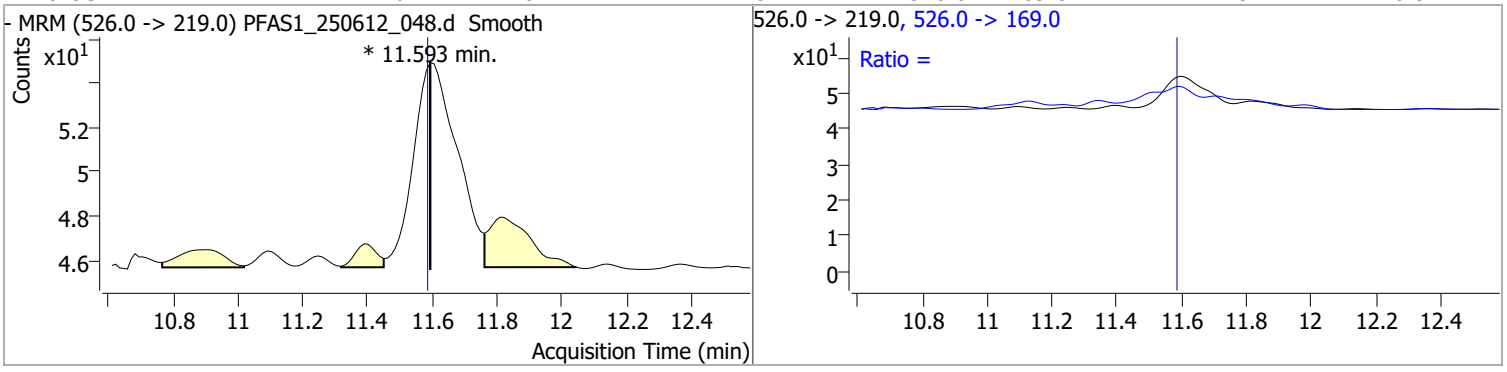
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	878				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4648	11.57	0.00	21580				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	d	0		0	526.0 -> 169.0		79.1	146.8



Quantitation Results Report (Not Reviewed)

Data File	PFAS1_250612_048.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 2:00:17 AM
Sample Name	SEQ-CCB	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

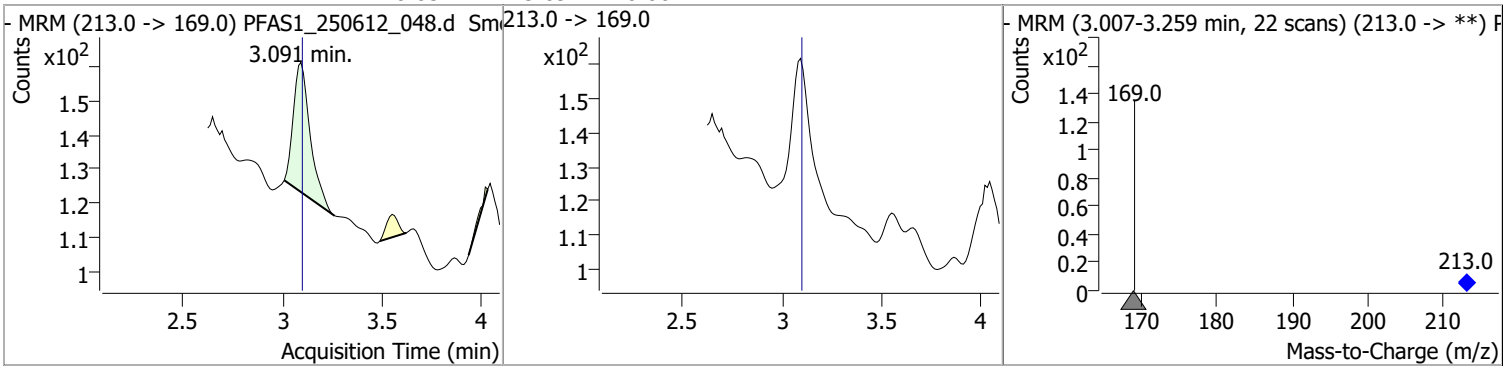
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.087	216.0 -> 172.0	182459	5.0000	µg/L	15.351
13C2-PFHxA	5.479	315.0 -> 270.0	193010	2.5000	µg/L	8.023
18O2-PFHxS	6.796	403.0 -> 84.0	25437	2.5000	µg/L	8.241
13C4-PFOA	6.651	417.0 -> 172.0	22473	2.5000	µg/L	11.278
13C5-PFNA	7.125	468.0 -> 423.0	134494	1.2500	µg/L	12.380
13C2-PFDA	7.564	515.0 -> 470.0	136557	1.2500	µg/L	9.131
13C4-PFOS	7.745	503.0 -> 80.0	27018	2.5000	µg/L	8.221
System Monitoring Compounds						
13C4-PFBA	3.083	217.0 -> 172.0	421141	10.0000	µg/L	15.383
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.97%		
13C4-PFBA	3.083	217.0 -> 172.0	421141	10.0000	µg/L	15.383
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 99.97%		
13C5-PFPeA	4.594	268.0 -> 223.0	304270	5.0000	µg/L	12.791
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.45%		
13C5-PFPeA	4.594	268.0 -> 223.0	304270	5.0000	µg/L	12.791
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 104.45%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	20993	5.0000	µg/L	30.272
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 120.98%		
13C5-PFHxA	5.478	318.0 -> 273.0	205928	2.5000	µg/L	11.918
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.59%		
13C5-PFHxA	5.478	318.0 -> 273.0	205928	2.5000	µg/L	11.918
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 103.59%		
13C3-PFBS	5.494	302.0 -> 80.0	48989	2.5000	µg/L	14.925
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 106.39%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	245477	10.0000	µg/L	10.639
Spiked Amount: 10.000	Range: 20.0 - 150.0%			Recovery = 102.39%		
13C4-PFHpA	6.130	367.0 -> 322.0	236356	2.5000	µg/L	10.862
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.58%		
13C3-PFHxS	6.797	402.0 -> 80.0	29423	2.5000	µg/L	9.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.79%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	14076	5.0000	µg/L	24.818
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 115.76%		
13C8-PFOA	6.650	421.0 -> 376.0	246842	2.5000	µg/L	9.273
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.12%		
13C3-PFHxS	6.797	402.0 -> 80.0	29423	2.5000	µg/L	9.050
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 100.79%		
13C9-PFNA	7.125	472.0 -> 427.0	140122	1.2500	µg/L	14.198
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 101.65%		
13C8-PFOS	7.744	507.0 -> 80.0	27483	2.5000	µg/L	11.070
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.67%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	15729	5.0000	µg/L	27.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.14%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	15729	5.0000	µg/L	27.795
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 118.14%		
13C6-PFDA	7.563	519.0 -> 474.0	151633	1.2500	µg/L	14.093

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 104.61%			
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	104278	5.0000	µg/L		12.198
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 103.38%			
13C8-PFOS	7.744	507.0 -> 80.0	27483	2.5000	µg/L		11.070
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 102.67%			
2H5-N-EtFOSAA	7.915	589.0 -> 419.0	83076	5.0000	µg/L		11.451
Spiked Amount: 5.000	Range: 20.0 - 150.0%			Recovery = 102.78%			
13C7-PFUnDA	7.987	570.0 -> 525.0	129712	1.2500	µg/L		12.438
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 103.06%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	107733	1.2500	µg/L		8.817
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 99.63%			
13C2-PFDoDA	8.412	615.0 -> 570.0	108003	1.2500	µg/L		7.734
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 98.65%			
13C2-PFTDA	9.185	715.0 -> 670.0	107463	1.2500	µg/L		9.929
Spiked Amount: 1.250	Range: 20.0 - 150.0%			Recovery = 100.65%			
13C8-PFOSA	9.897	506.0 -> 78.0	61905	2.5000	µg/L		13.184
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 104.36%			
2H7-MeFOSE	11.052	623.1 -> 59.0	278676	25.0000	µg/L		1.444
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 93.77%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	19063	2.5000	µg/L		3.863
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 95.69%			
2H9-EtFOSE	11.432	639.1 -> 59.0	269499	25.0000	µg/L		-1.920
Spiked Amount: 25.000	Range: 20.0 - 150.0%			Recovery = 90.65%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	21580	2.5000	µg/L		6.850
Spiked Amount: 2.500	Range: 20.0 - 150.0%			Recovery = 98.59%			
Target Compounds							QValue
PFBA	3.091	213.0 -> 169.0	217	0.0577	µg/L		100
PFMPA	3.782	229.0 -> 85.0	77	0.0395	µg/L		100
3-3 FTCA	4.030	241.0 -> 177.0	13	0.0471	µg/L		21
PFPeA	4.584	263.0 -> 219.0	446	0.0377	µg/L	#	98
PFMBA	4.910	279.0 -> 85.0	120	0.0463	µg/L		100
4-2 FTSA	5.227	327.0 -> 307.0	124	0.0139	µg/L		94
NFDHA	5.390	295.0 -> 201.0	54	0.0014	µg/L		48
PFHxA	5.480	313.0 -> 269.0	466	0.0122	µg/L		97
PFBS	5.471	298.9 -> 80.0	55	0.0000	µg/L		35
HFPO-DA	5.748	285.0 -> 169.0	80	0.0122	µg/L		84
PFEESA	5.848	314.9 -> 135.0	145	0.0000	µg/L	#	84
5-3 FTCA	6.120	341.0 -> 237.0	422	0.7091	µg/L	#	60
PFHpA	6.130	363.0 -> 319.0	430	0.0235	µg/L	#	78
PFPeS	6.229	348.9 -> 80.0	20	0.0160	µg/L		30
DONA	6.320	377.0 -> 251.0	246	0.0450	µg/L		85
6-2 FTSA	6.448	427.0 -> 407.0	74	0.0000	µg/L	#	82
PFOA	6.663	413.0 -> 369.0	785	0.0181	µg/L	#	85
PFHxS	6.798	398.9 -> 80.0	147	0.0054	µg/L	#	64
PFNA	7.126	463.0 -> 419.0	271	0.0145	µg/L		91
PFHpS	7.283	448.9 -> 80.0	9	0.0000	µg/L	#	1
8-2 FTSA	7.361	527.0 -> 507.0	44	0.0187	µg/L	#	39
7-3 FTCA	7.474	441.0 -> 317.0	458	0.7140	µg/L	#	49
PFDA	7.576	513.0 -> 469.0	173	0.0187	µg/L	#	71
N-MeFOSAA	7.692	570.0 -> 419.0	122	0.0037	µg/L		33
PFOS	7.746	498.9 -> 80.0	405	0.0051	µg/L	#	74
N-EtFOSAA	7.927	584.0 -> 419.0	96	0.0158	µg/L		24
PFUnDA	7.988	563.0 -> 519.0	272	0.0136	µg/L		97
9Cl-PF3ONS	8.062	530.9 -> 350.9	238	0.0039	µg/L	#	1

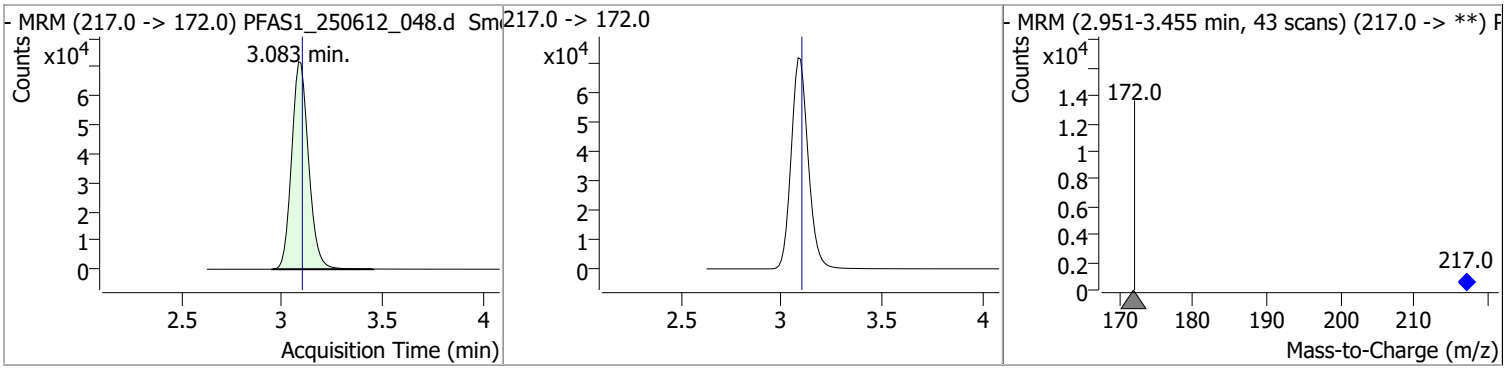
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
PFNS	8.181	548.9 -> 80.0	34	0.0000	µg/L	#	66
PFDoDA	8.424	613.0 -> 569.0	542	0.0116	µg/L	#	86
PFDS	8.606	598.9 -> 80.0	57	0.0218	µg/L	#	39
PFTrDA	8.817	663.0 -> 619.0	270	0.0185	µg/L		72
11Cl-PF3OUdS	8.879	630.9 -> 450.9	306	0.0157	µg/L	#	72
PFTDA	9.186	712.9 -> 669.0	443	0.0198	µg/L	#	90
PFDoS	9.272	698.9 -> 80.0	44	0.0263	µg/L	#	49
PFOSA	9.900	497.9 -> 78.0	192	0.0132	µg/L	#	90
MeFOSE	11.065	616.0 -> 59.0	887	0.0080	µg/L		100
N-MeFOSA	11.214	512.0 -> 219.0	86	0.0131	µg/L	#	44
EtFOSE	11.457	630.0 -> 59.0	878	0.0000	µg/L		100
N-EtFOSA	11.593	526.0 -> 219.0	87	0.0287	µg/L		81

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

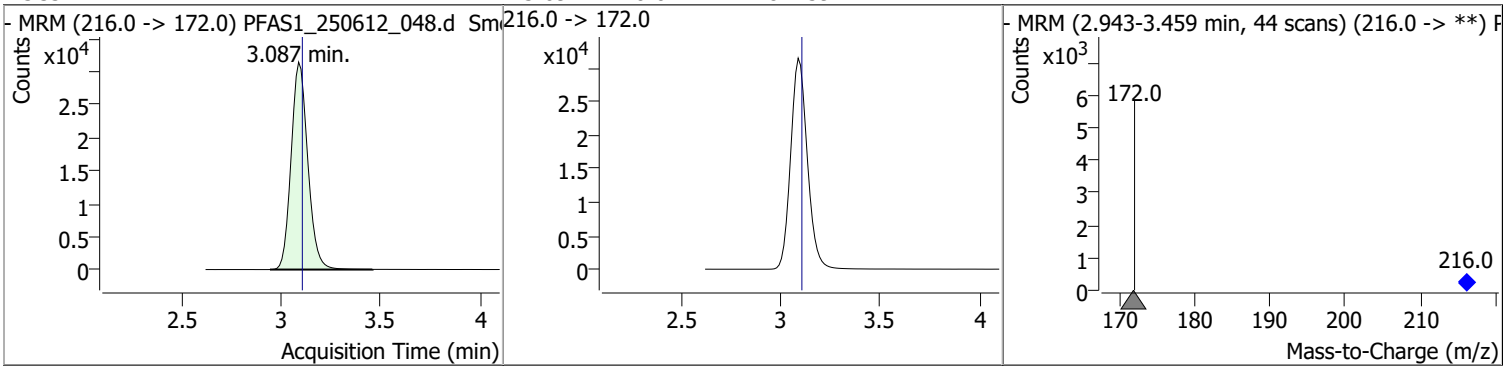
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.0577	3.09	0.00	217				



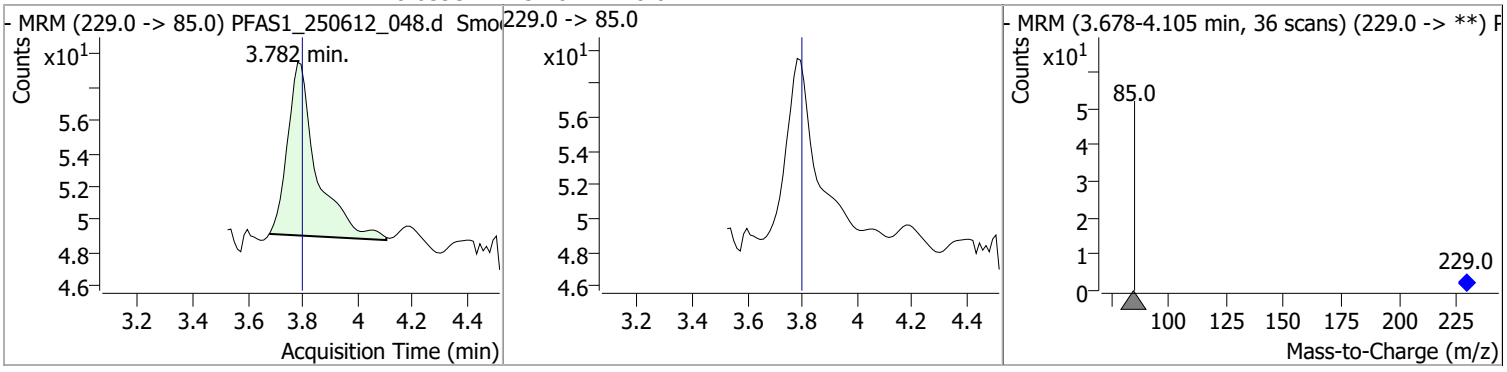
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9971	3.08	-0.01	421141				



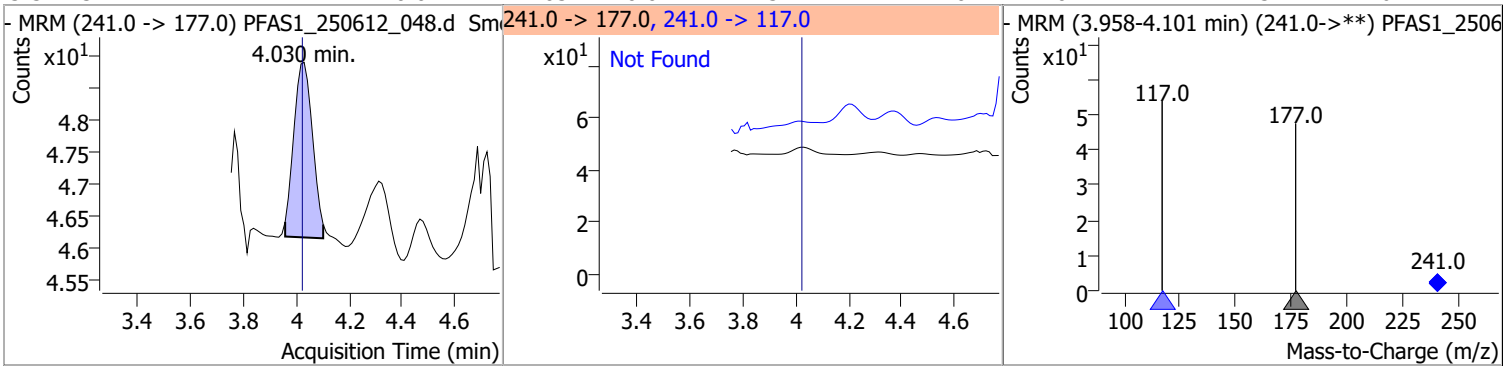
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.09	-0.01	182459				



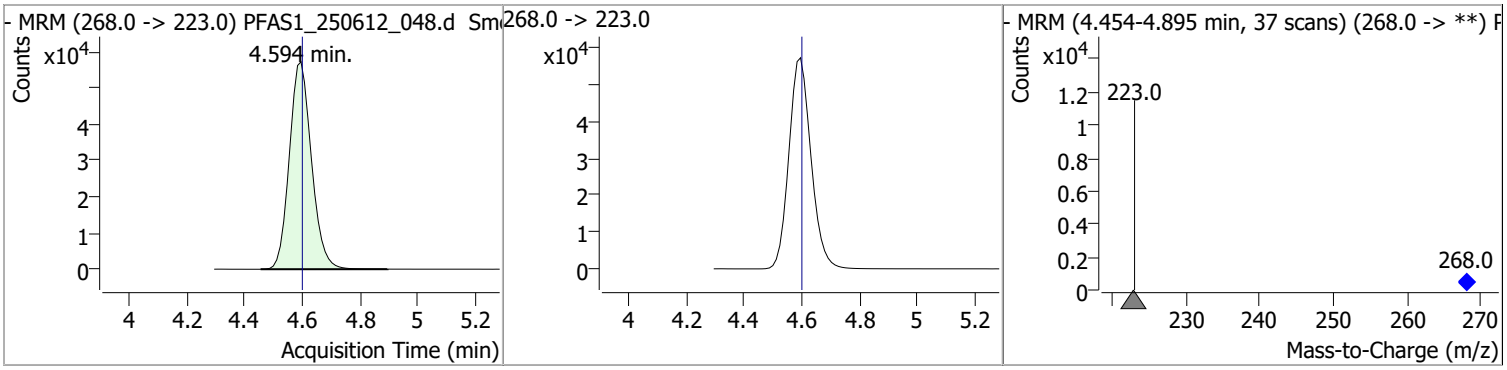
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.0395	3.78	-0.01	77				



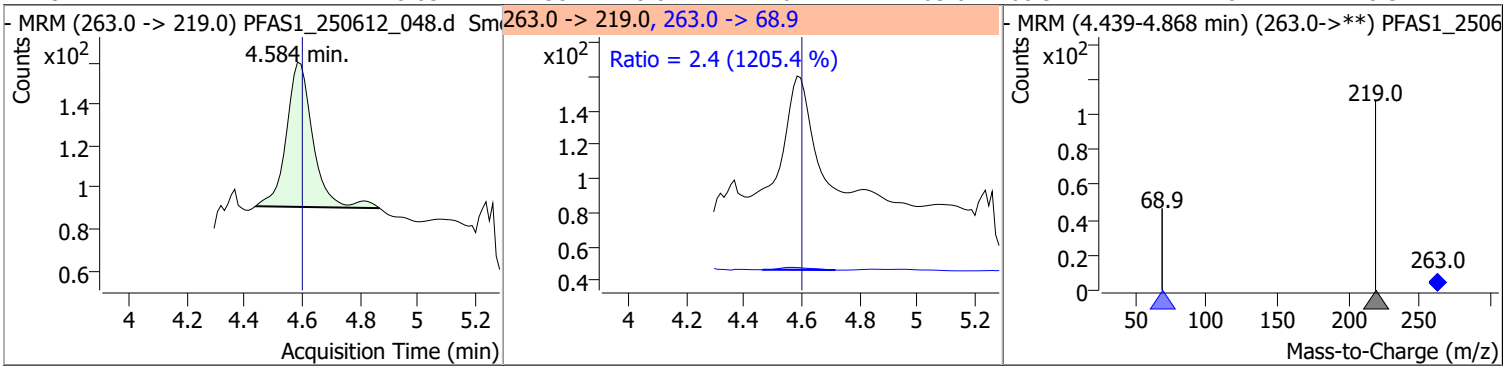
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.0471	4.03	0.01	13	241.0 -> 117.0		41.3	76.7



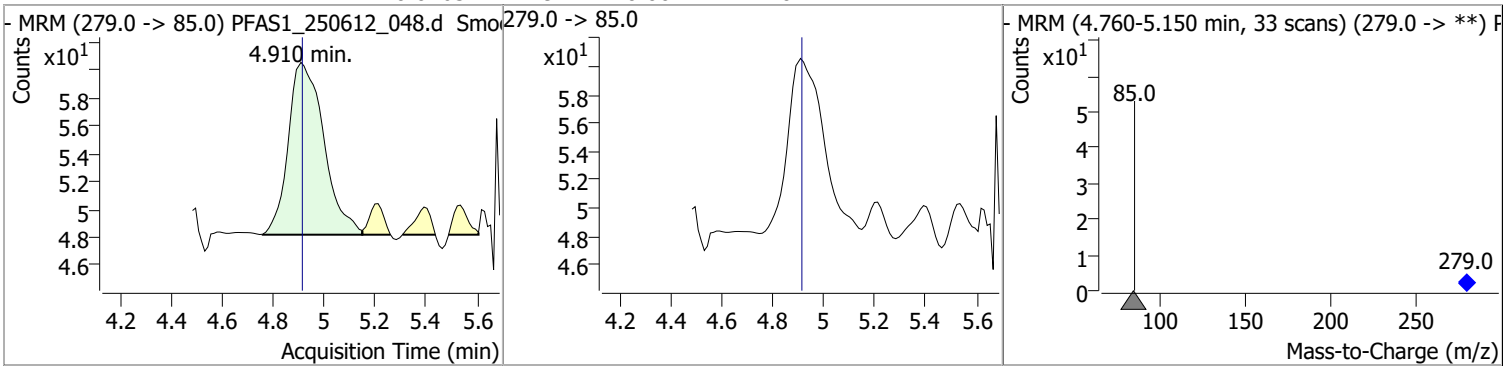
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.2225	4.59	0.00	304270				



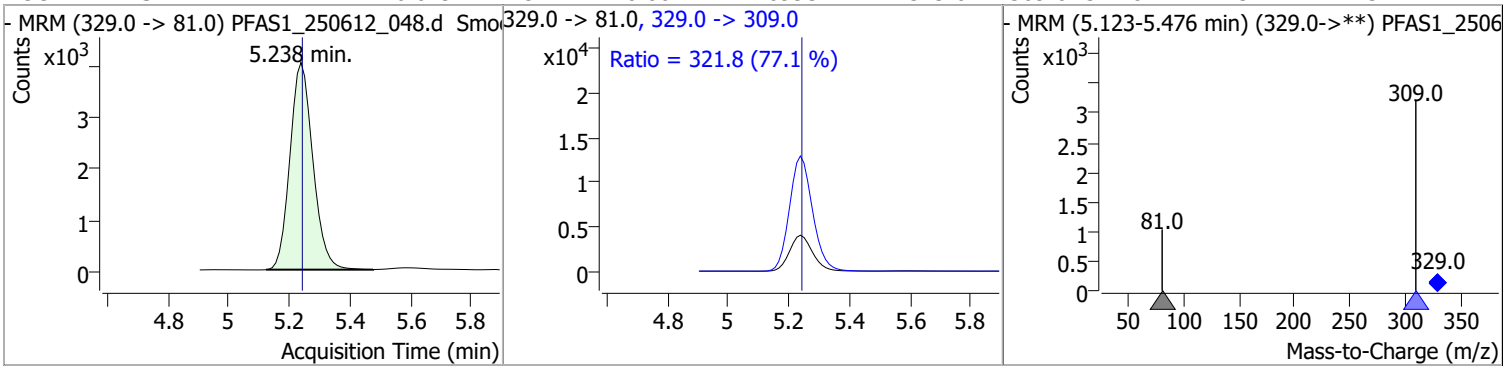
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.0377	4.58	-0.01	446	263.0 -> 68.9	2.4	0.1	0.3



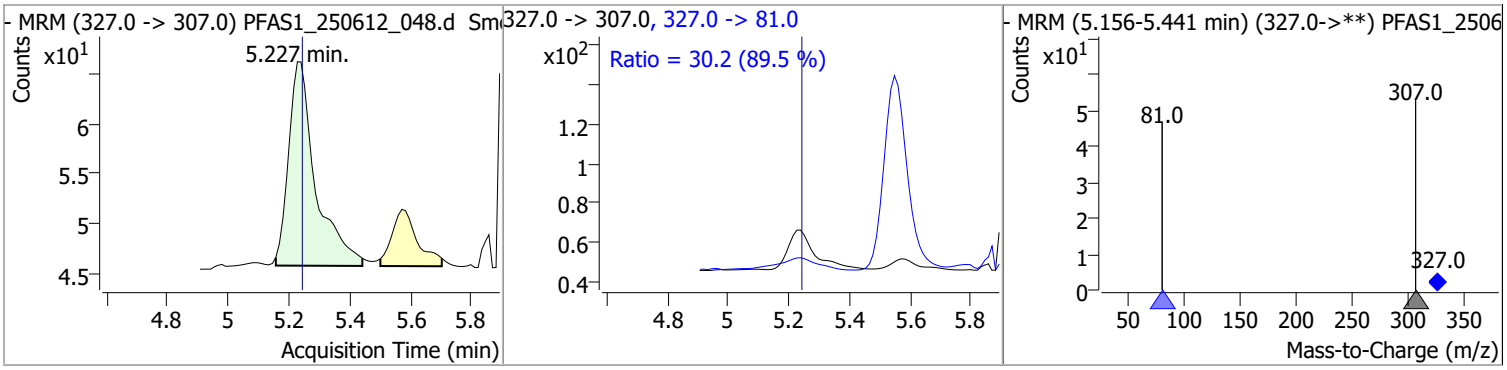
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.0463	4.91	0.00	120				



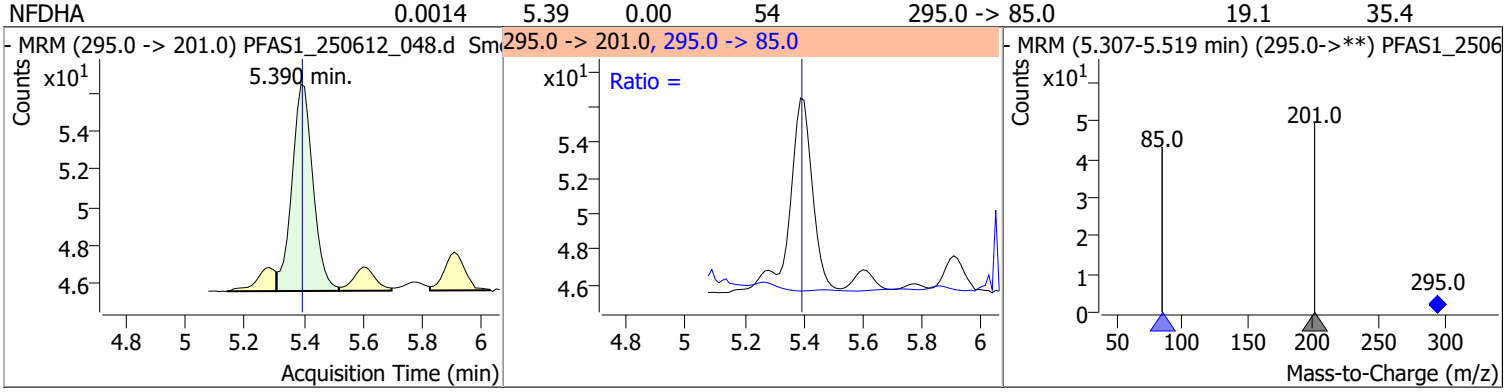
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	6.0491	5.24	0.00	20993	329.0 -> 309.0	321.8	292.1	542.4



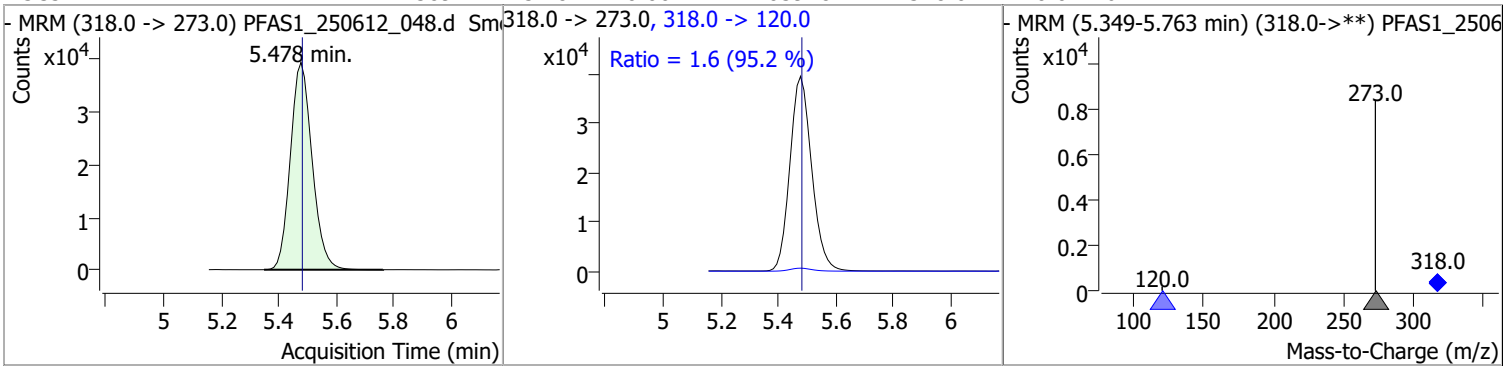
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.0139	5.23	-0.01	124	327.0 -> 81.0	30.2	23.6	43.9



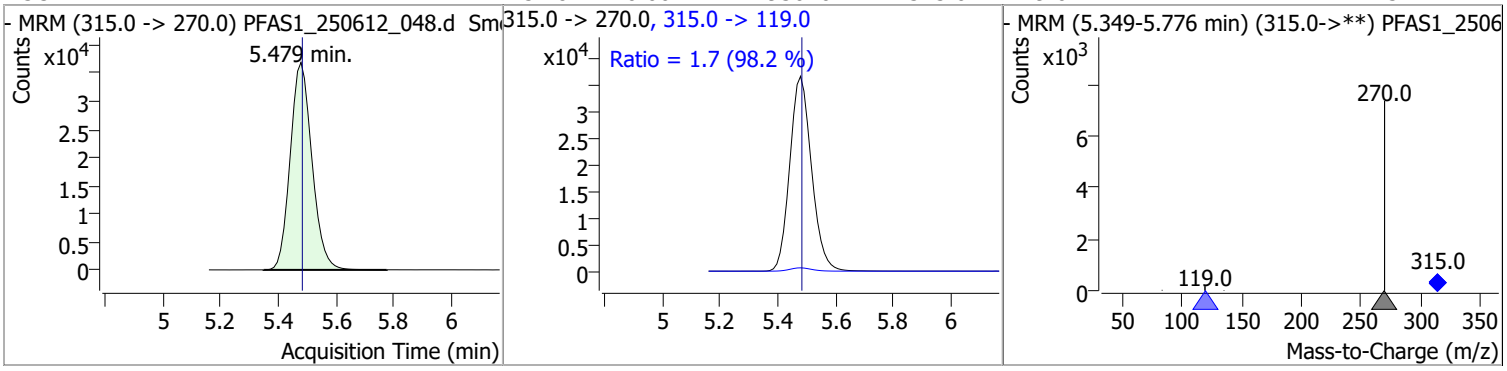
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.0014	5.39	0.00	54	295.0 -> 85.0		19.1	35.4



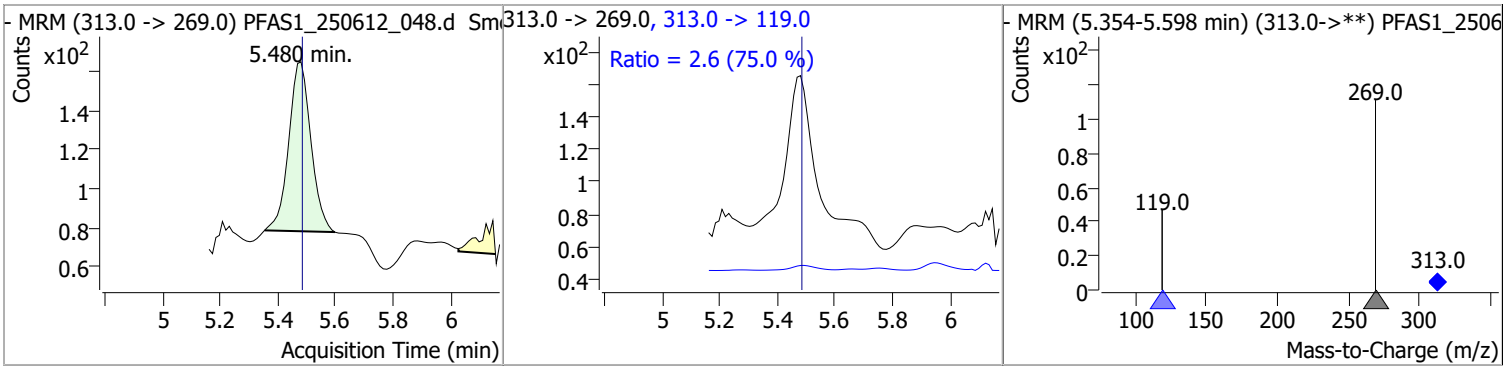
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5897	5.48	0.00	205928	318.0 -> 120.0	1.6	1.1	2.1



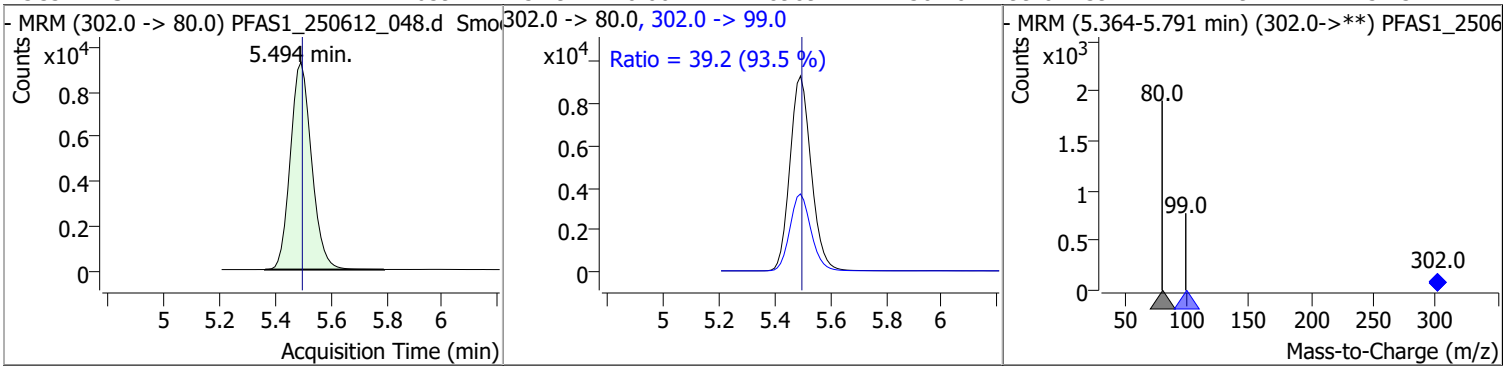
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	193010	315.0 -> 119.0	1.7	1.2	2.3



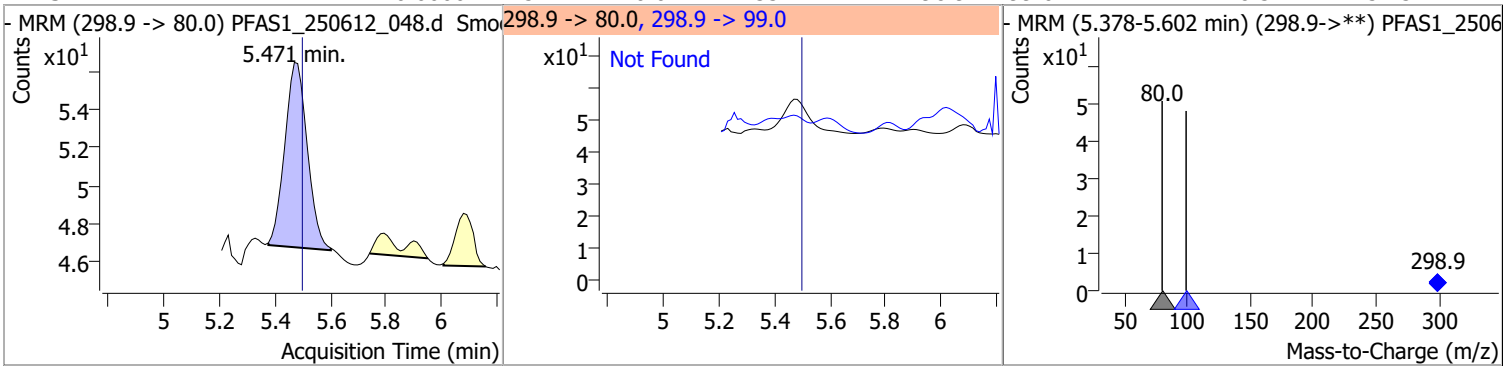
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.0122	5.48	0.00	466	313.0 -> 119.0	2.6	2.4	4.5



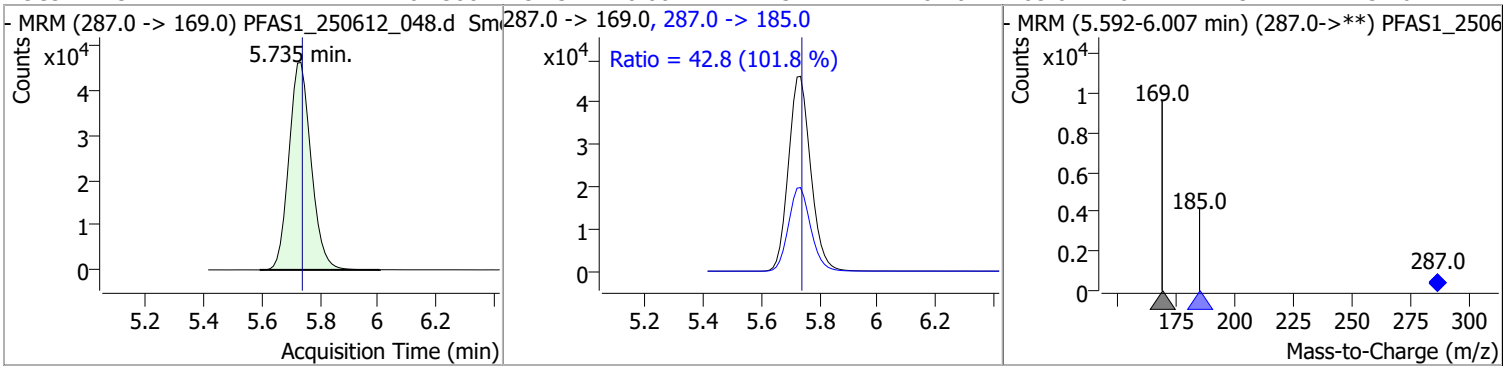
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6597	5.49	0.00	48989	302.0 -> 99.0	39.2	29.4	54.5



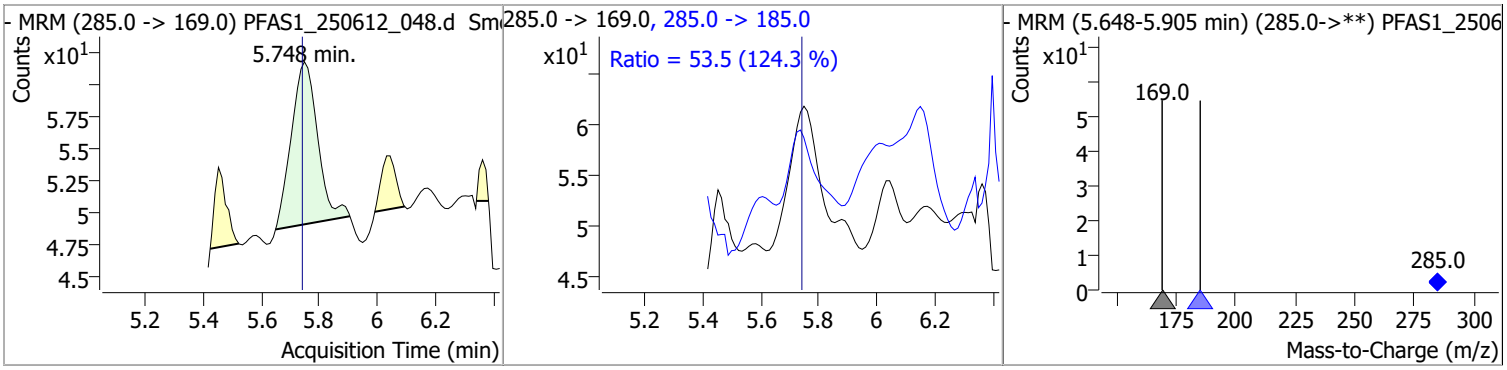
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.0000	5.47	-0.02	55	298.9 -> 99.0		28.3	52.5



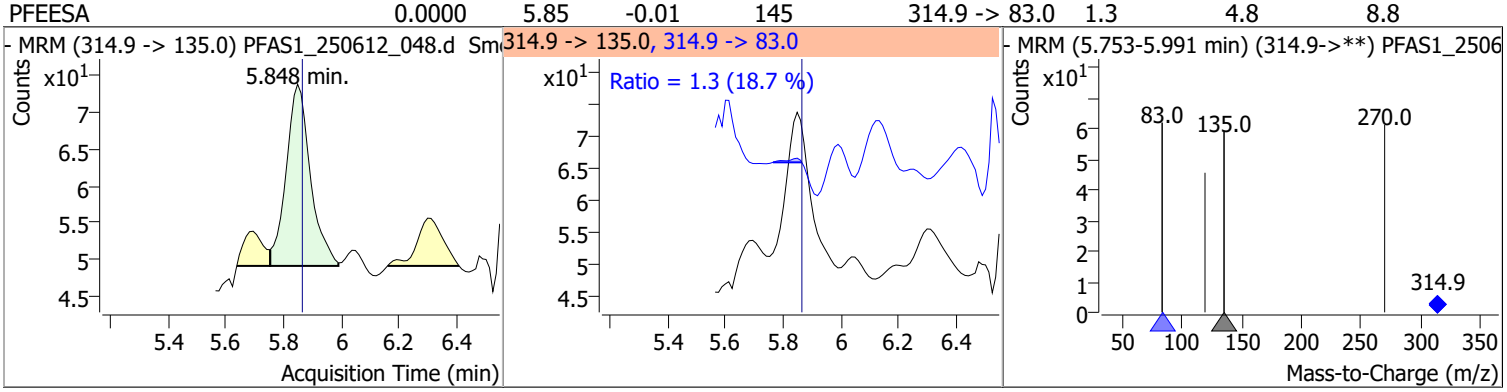
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2388	5.73	0.00	245477	287.0 -> 185.0	42.8	29.4	54.6



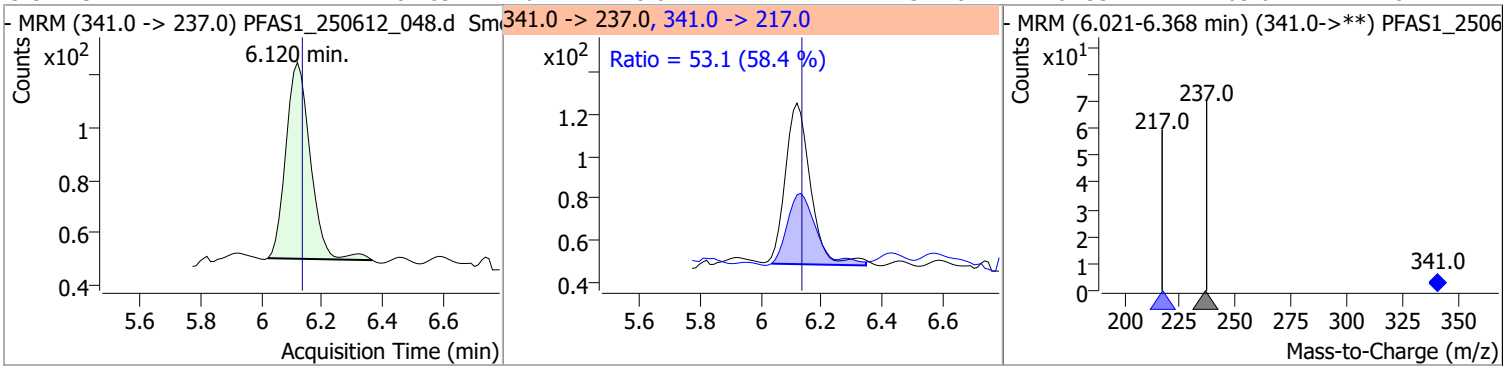
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.0122	5.75	0.01	80	285.0 -> 185.0	53.5	30.1	56.0



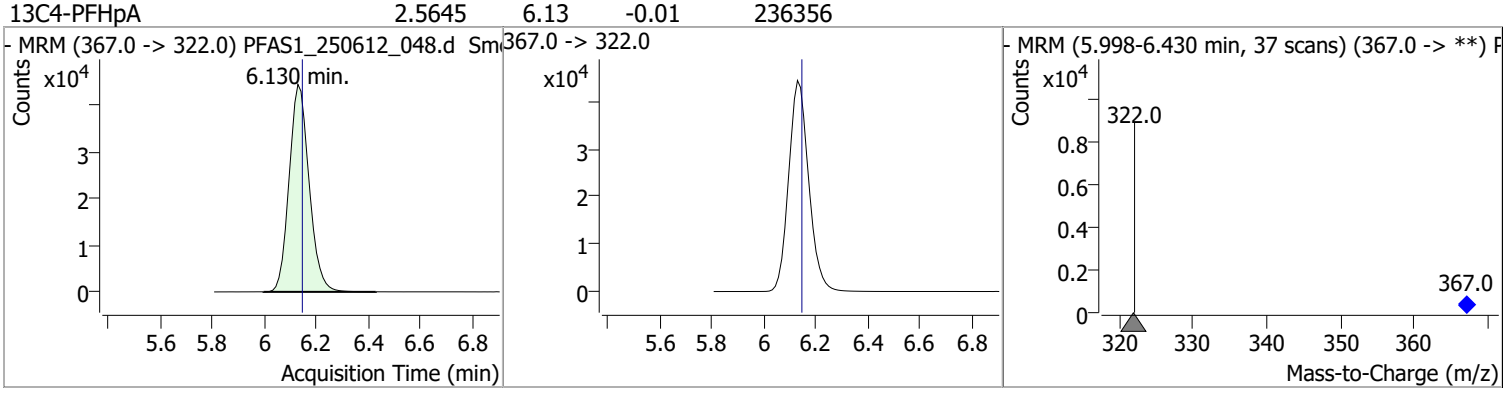
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.0000	5.85	-0.01	145	314.9 -> 83.0	1.3	4.8	8.8



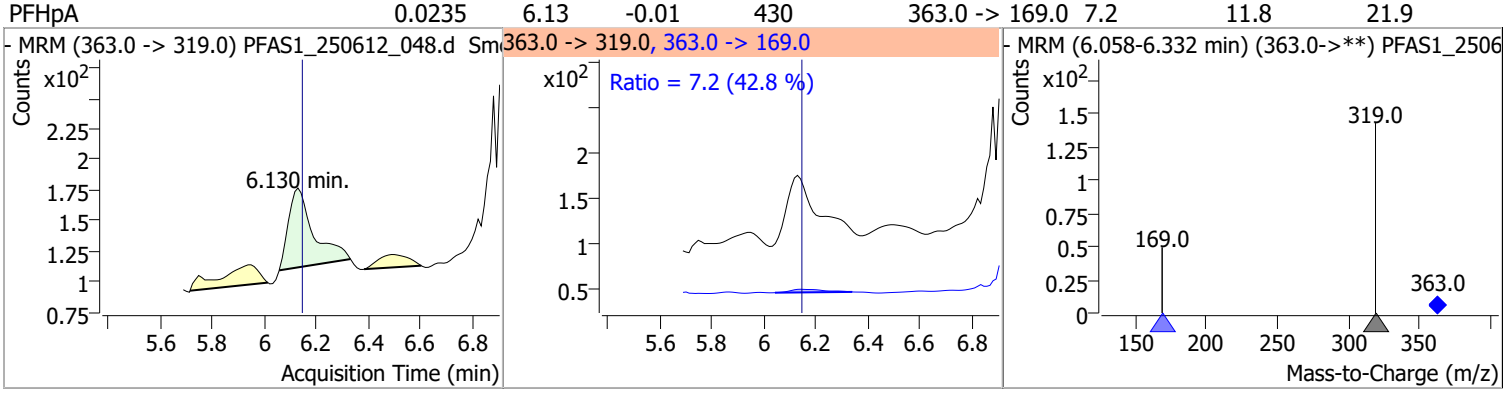
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	0.7091	6.12	-0.01	422	341.0 -> 217.0	53.1	63.6	118.1



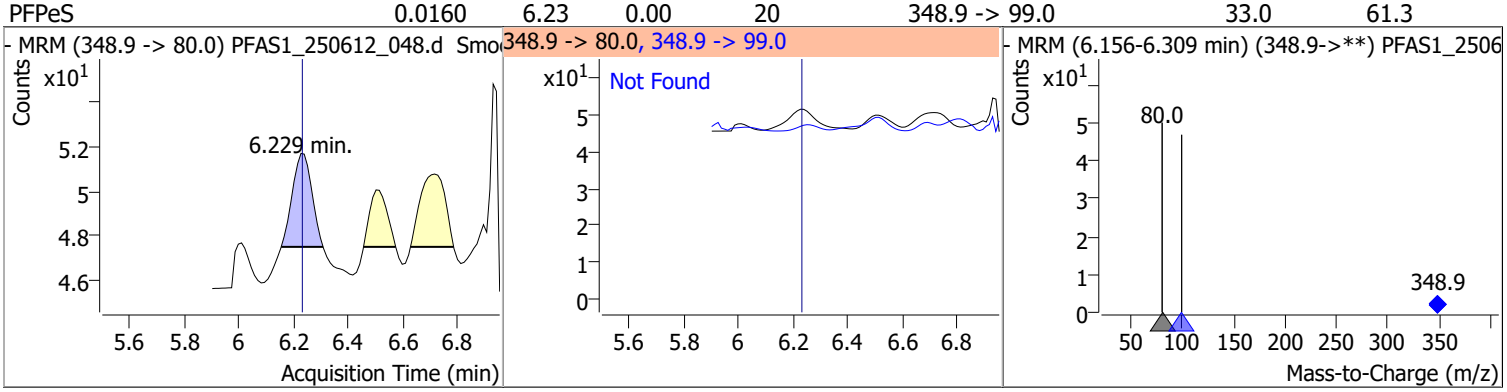
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5645	6.13	-0.01	236356				



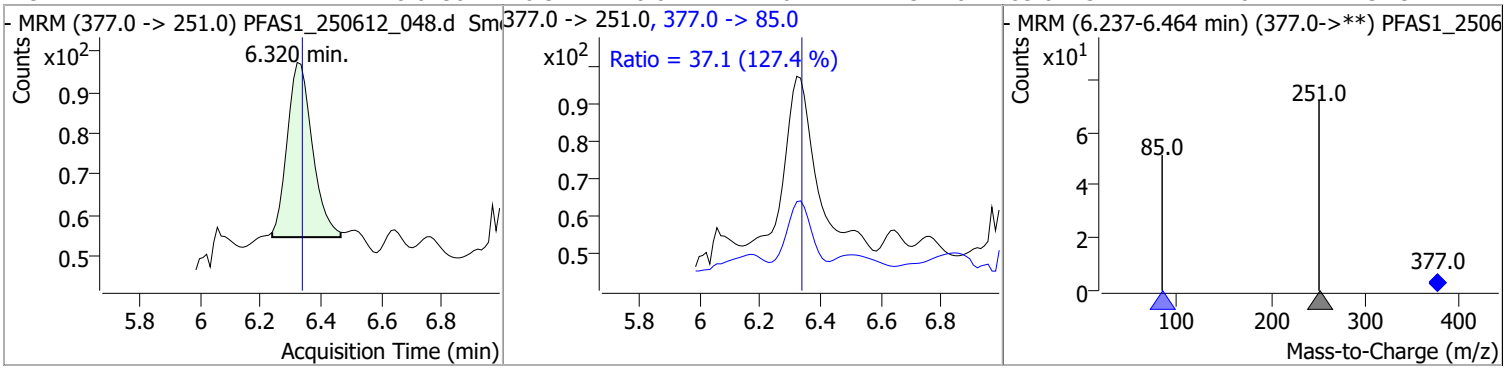
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.0235	6.13	-0.01	430	363.0 -> 169.0	7.2	11.8	21.9



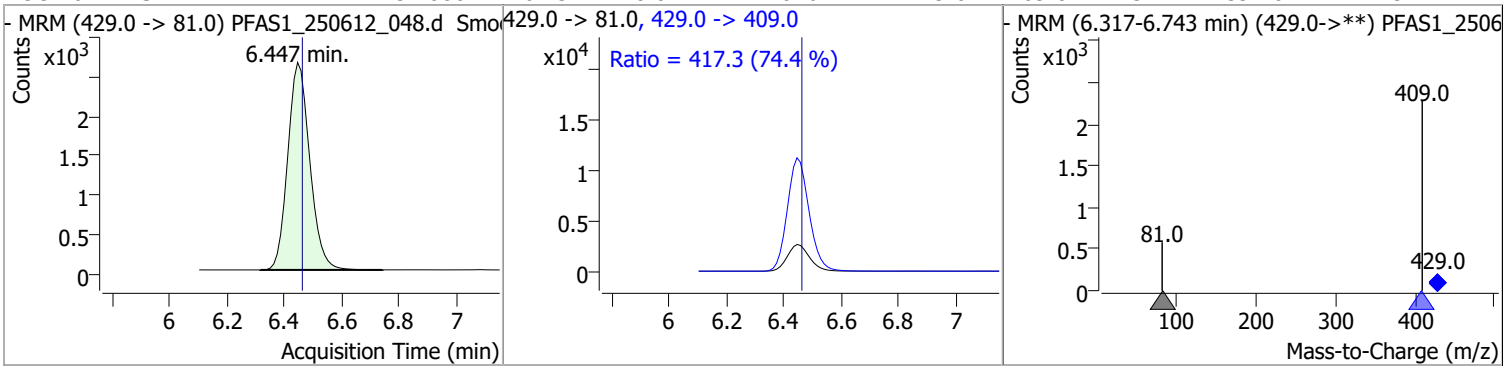
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.0160	6.23	0.00	20	348.9 -> 99.0		33.0	61.3



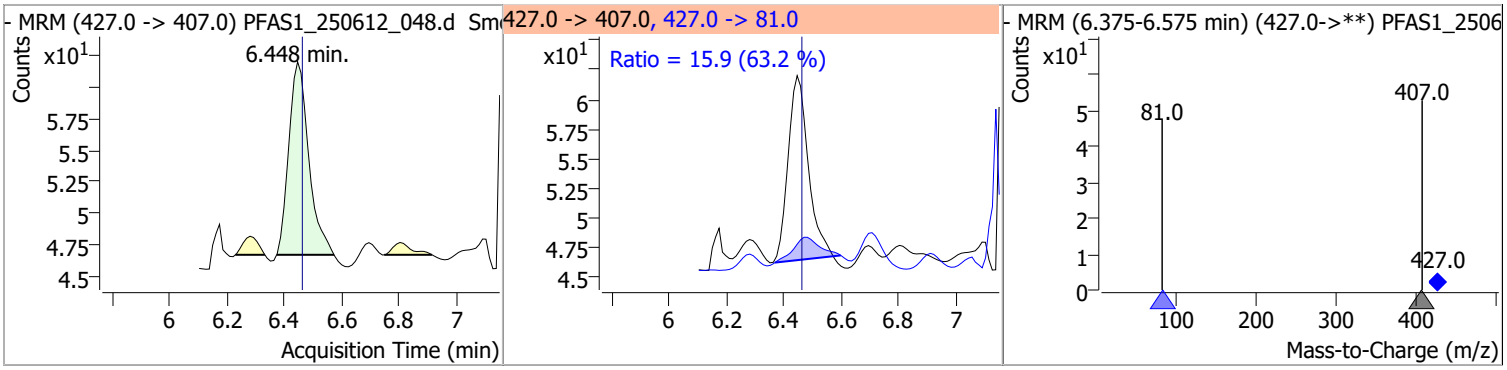
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.0450	6.32	-0.01	246	377.0 -> 85.0	37.1	20.4	37.9



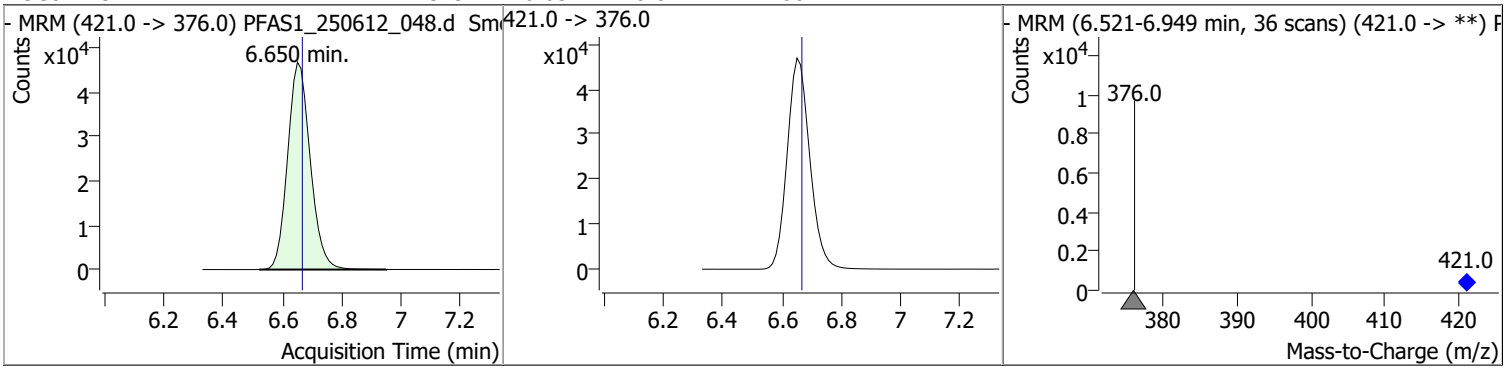
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.7880	6.45	-0.01	14076	429.0 -> 409.0	417.3	392.8	729.4



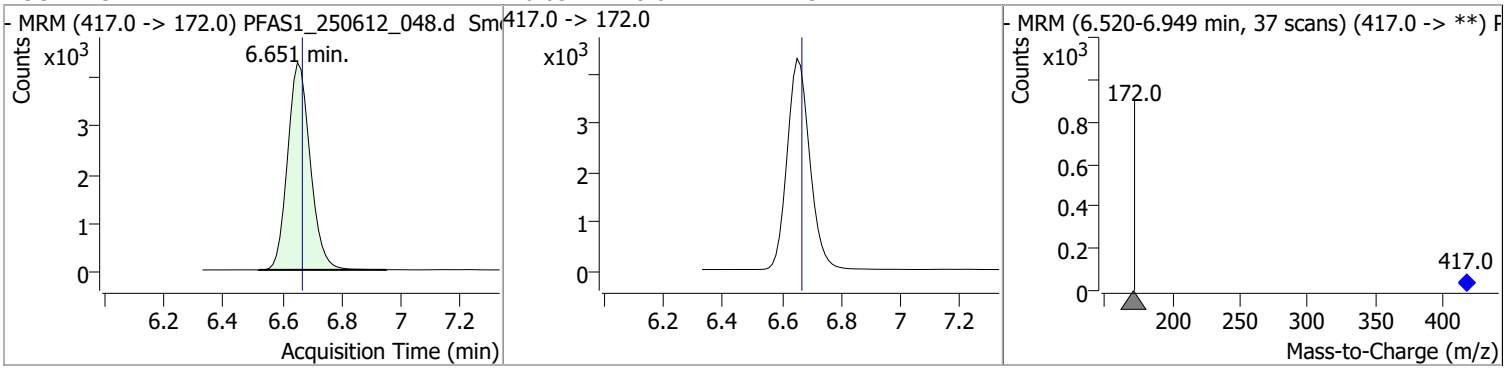
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.0000	6.45	-0.01	74	427.0 -> 81.0	15.9	17.7	32.8



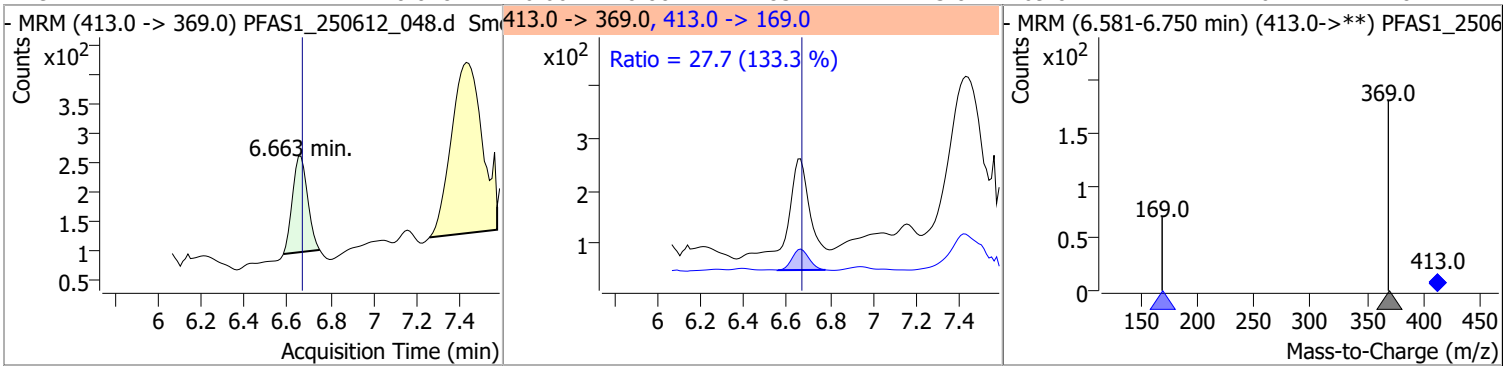
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4529	6.65	-0.01	246842				



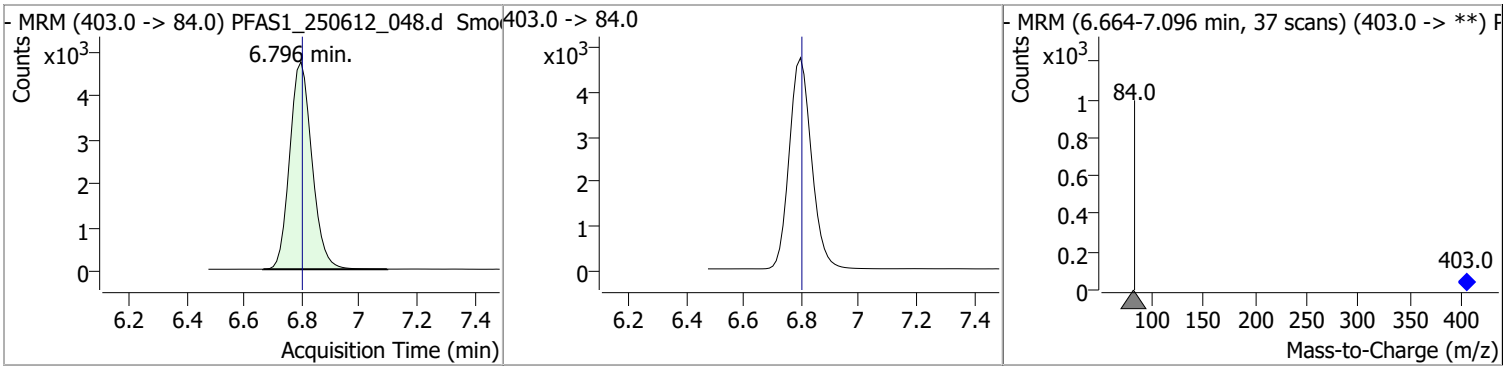
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22473				



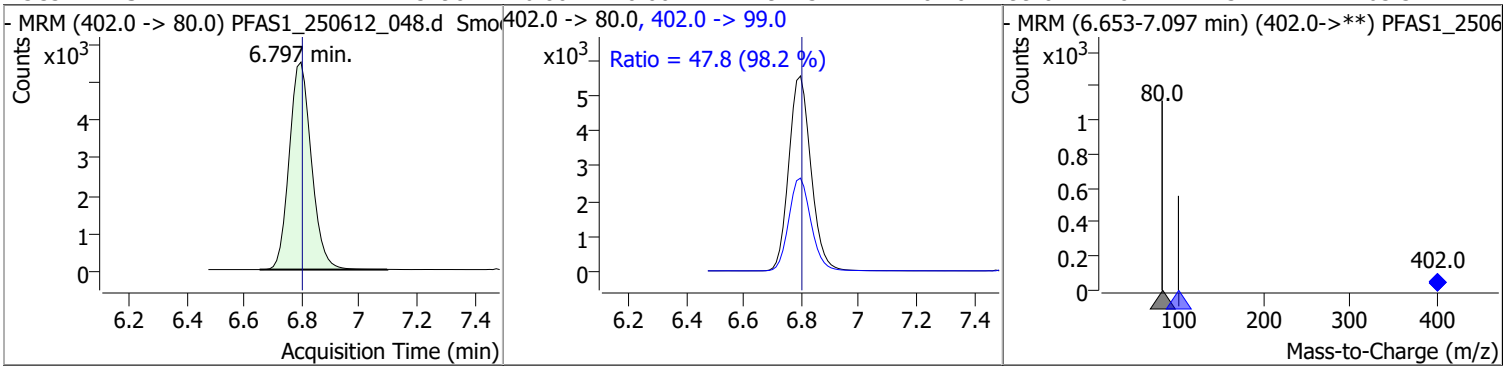
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.0181	6.66	0.00	785	413.0 -> 169.0	27.7	14.6	27.0



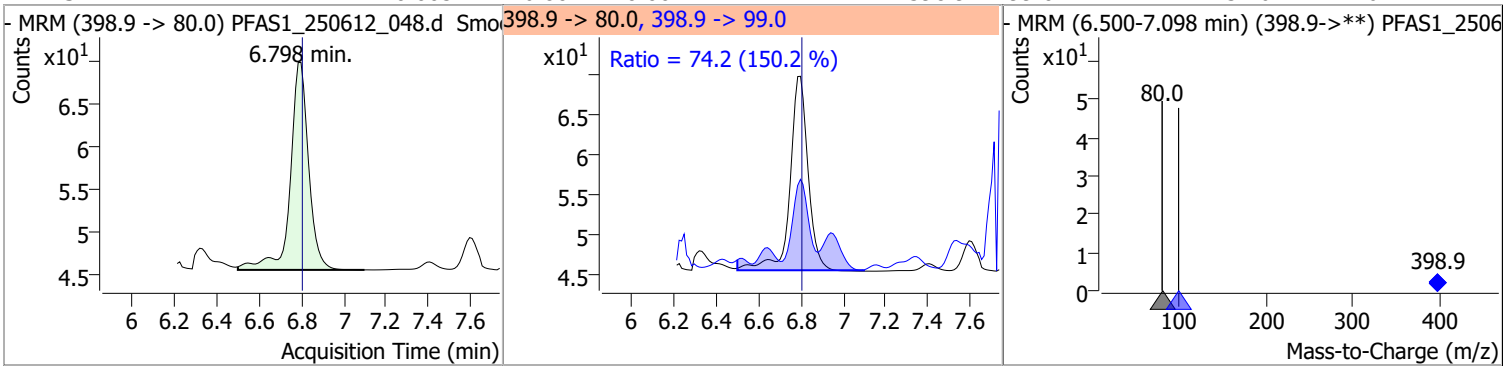
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	25437				



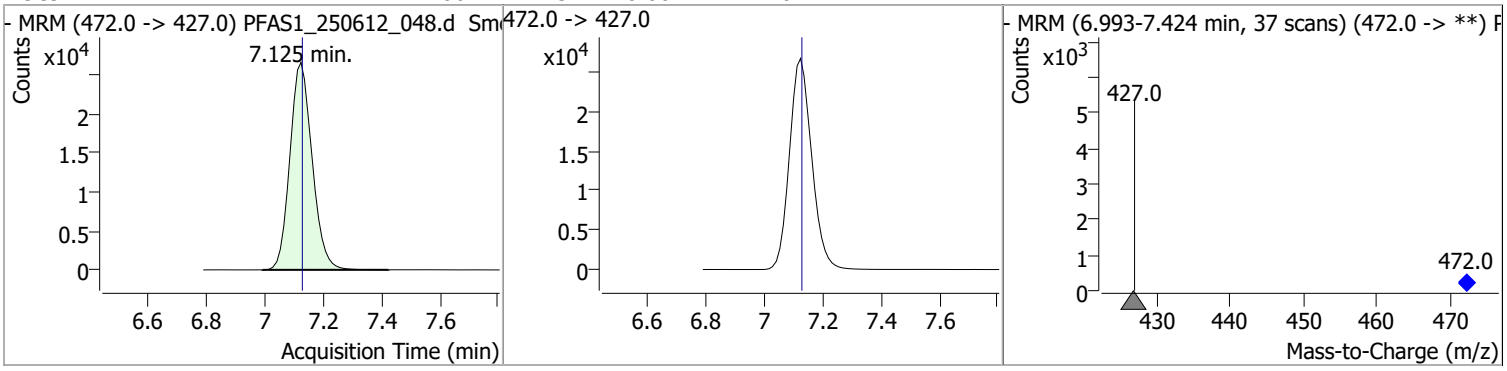
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5198	6.80	0.00	29423	402.0 -> 99.0	47.8	34.1	63.3



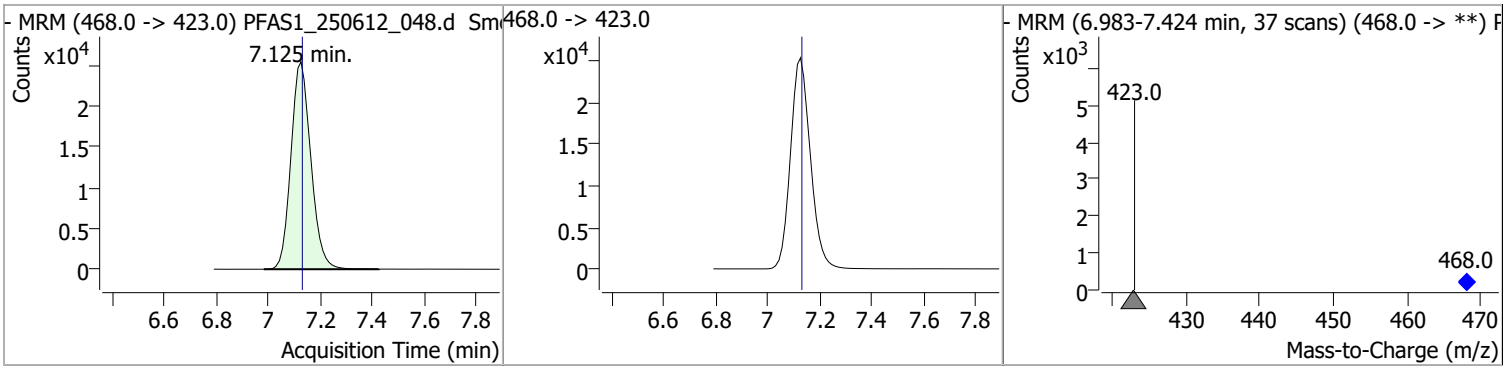
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.0054	6.80	0.00	147	398.9 -> 99.0	74.2	34.6	64.2



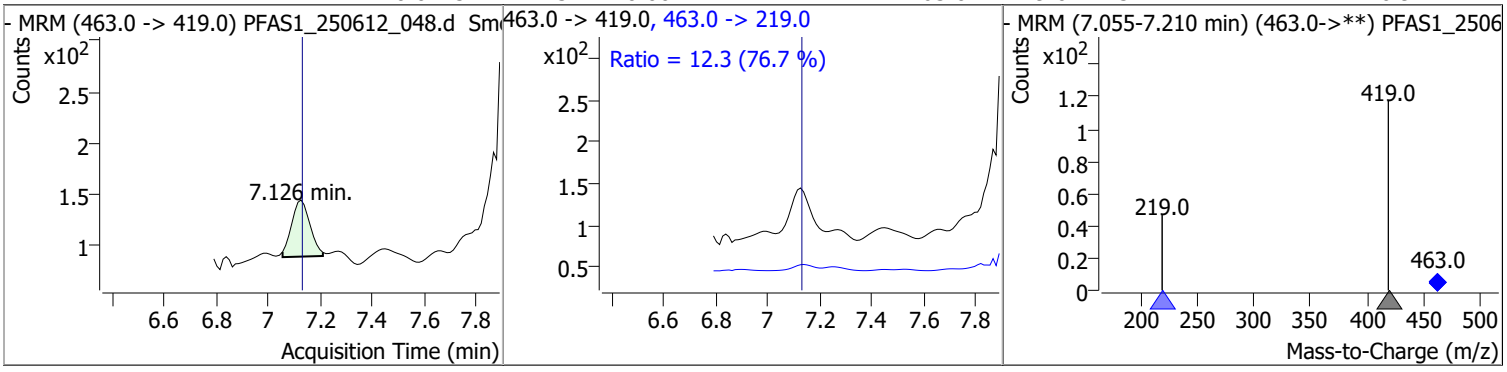
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2706	7.13	0.00	140122				



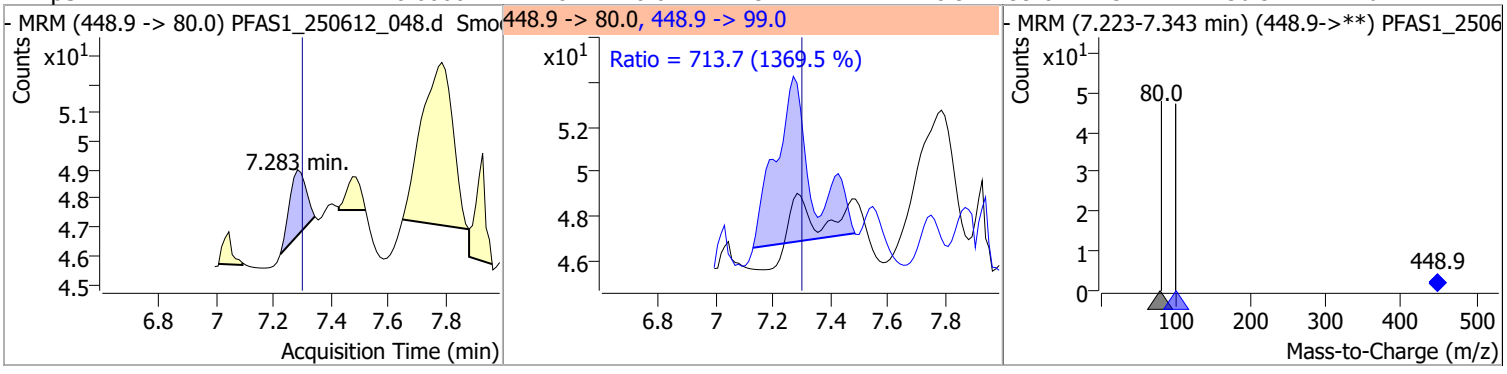
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	134494				



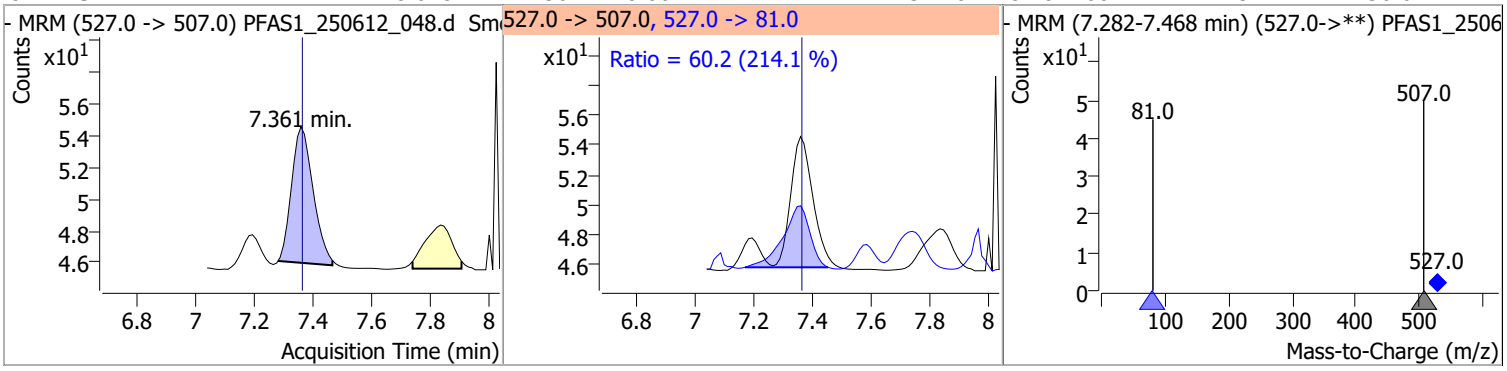
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.0145	7.13	0.00	271	463.0 -> 219.0	12.3	11.2	20.9



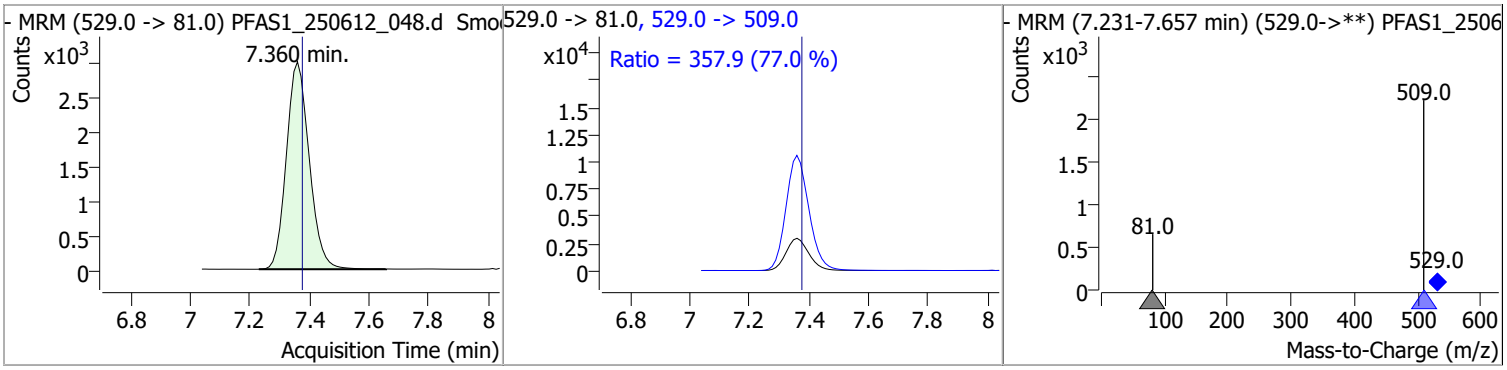
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.0000	7.28	-0.01	9	448.9 -> 99.0	713.7	36.5	67.7



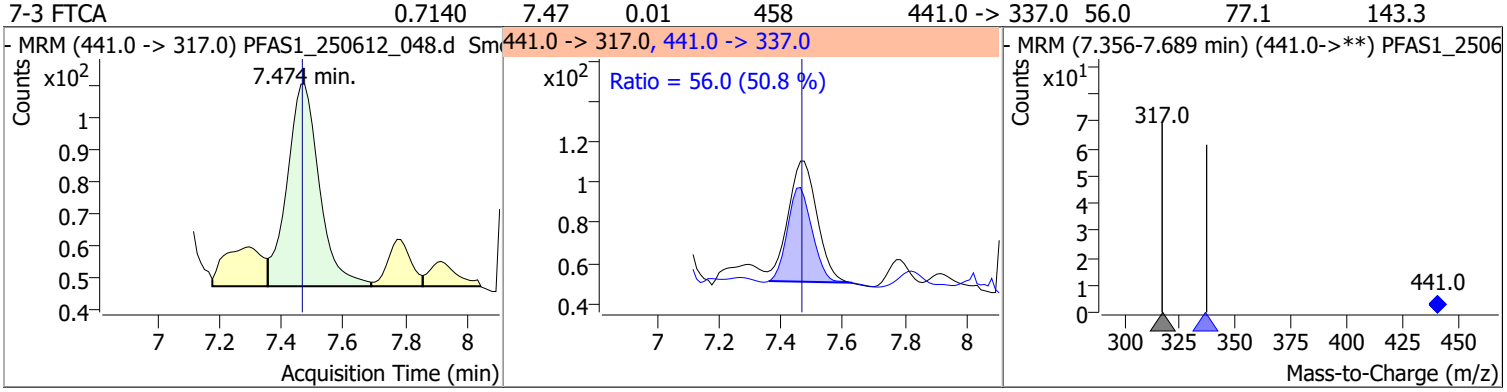
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.0187	7.36	0.00	44	527.0 -> 81.0	60.2	19.7	36.6



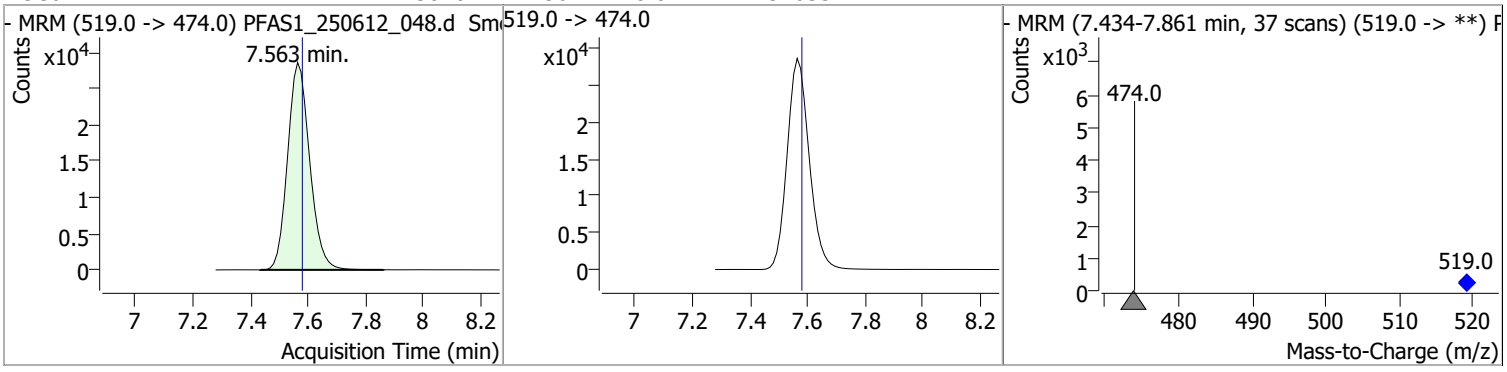
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.9070	7.36	-0.01	15729	529.0 -> 509.0	357.9	325.6	604.6



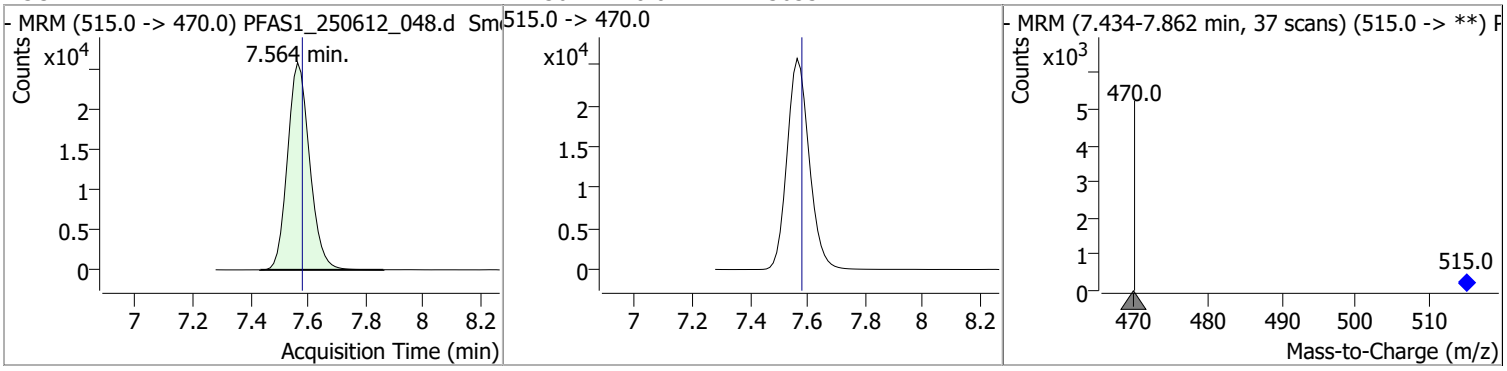
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	0.7140	7.47	0.01	458	441.0 -> 337.0	56.0	77.1	143.3



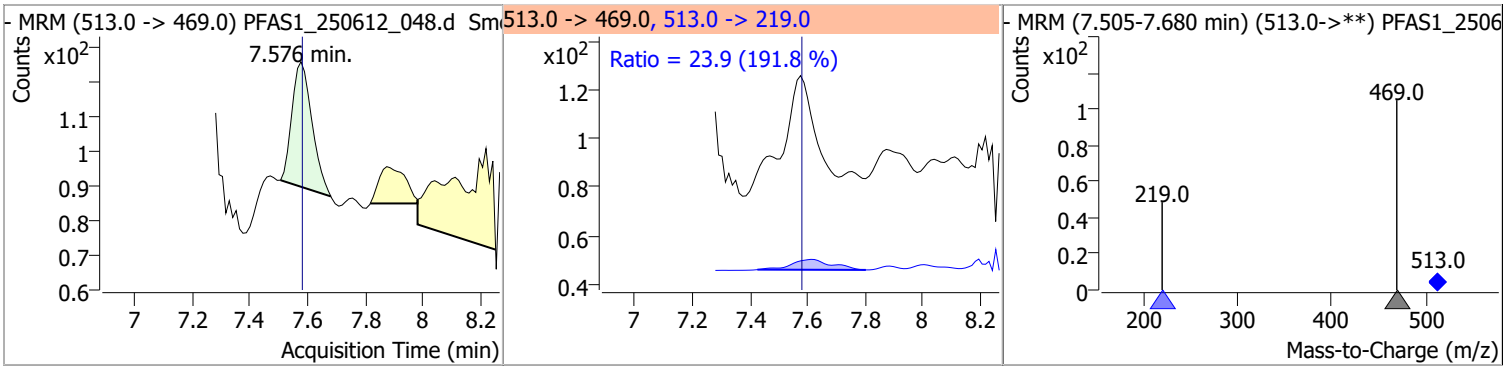
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3076	7.56	-0.01	151633				



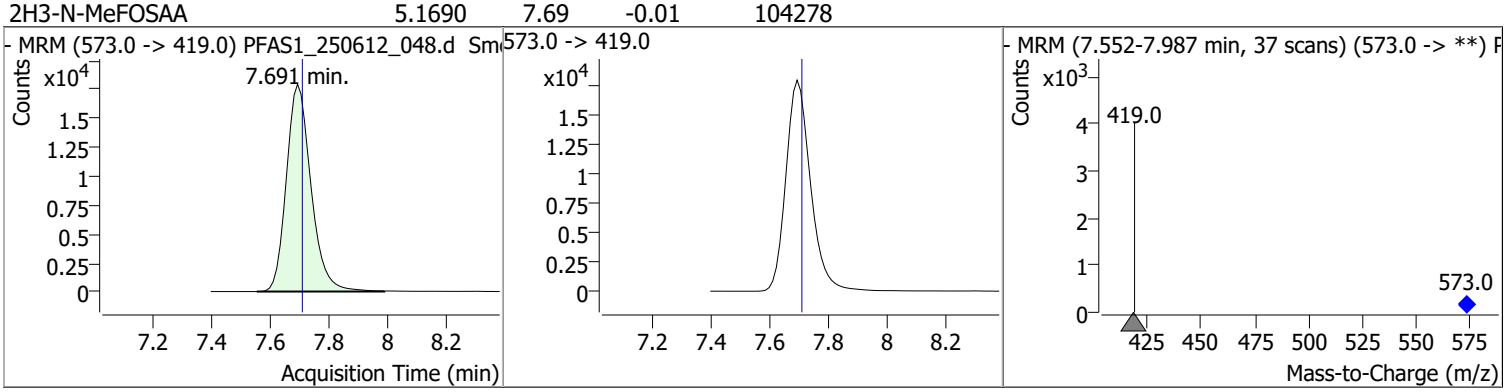
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	136557				



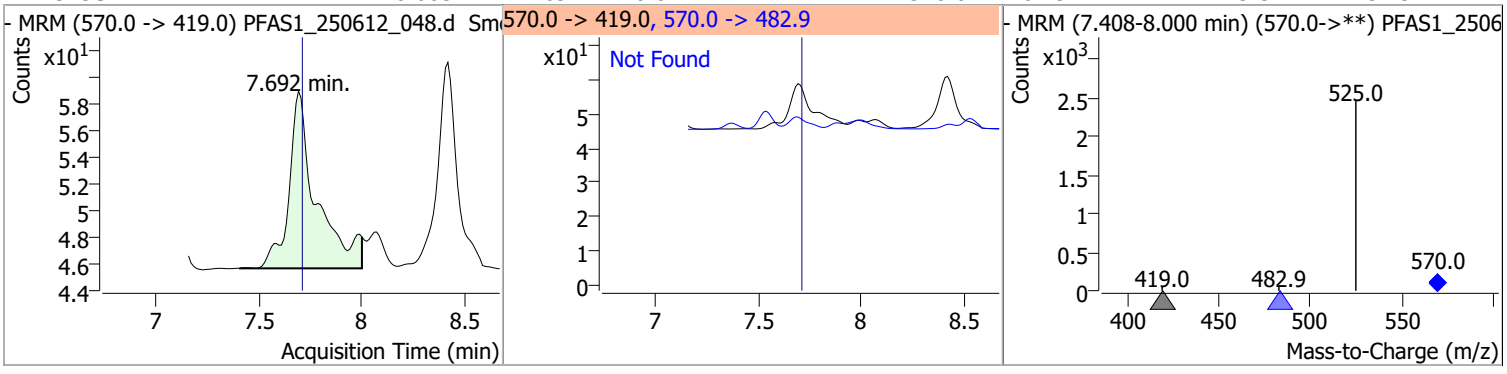
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.0187	7.58	0.00	173	513.0 -> 219.0	23.9	8.7	16.2



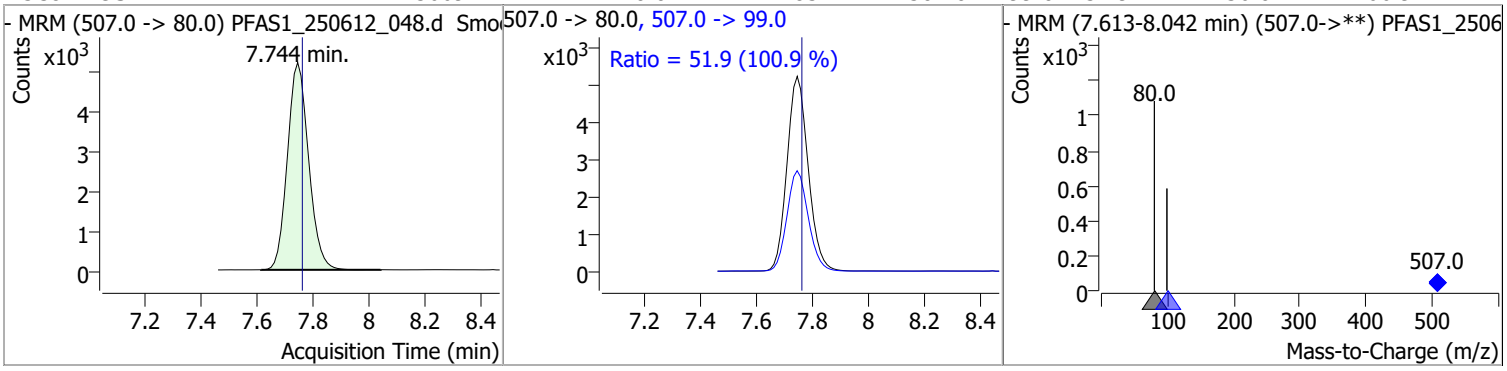
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1690	7.69	-0.01	104278				



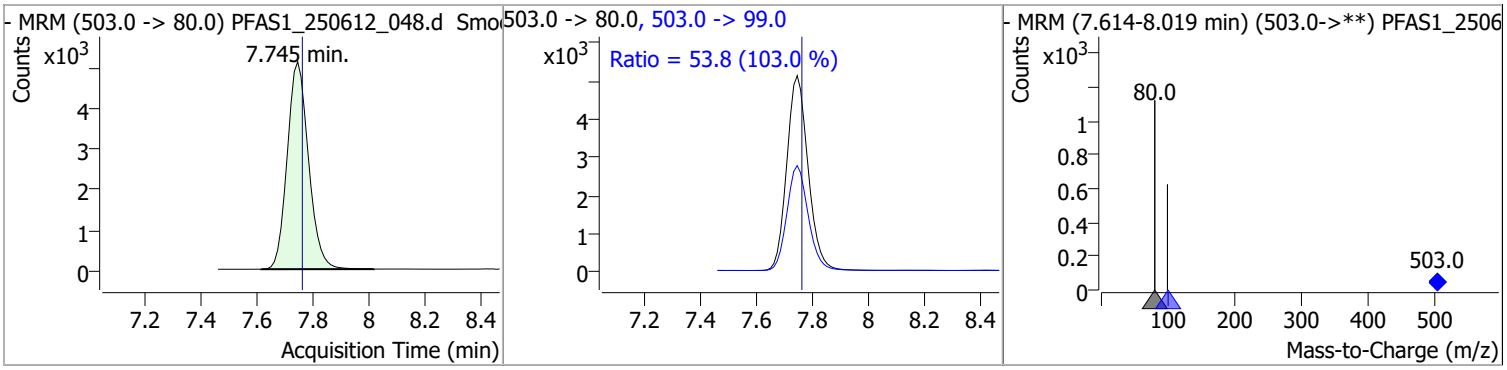
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.0037	7.69	-0.01	122	570.0 -> 482.9		29.5	54.9



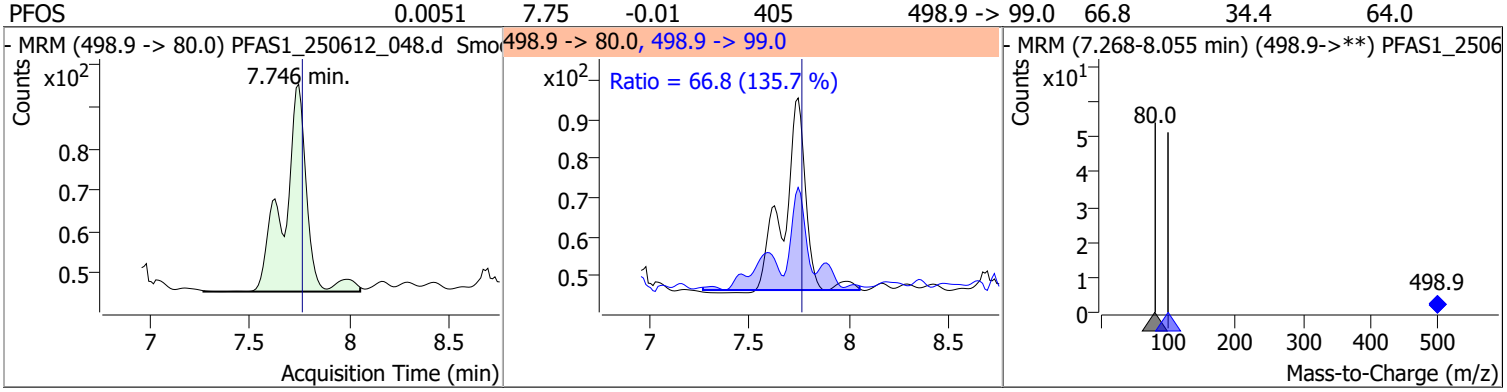
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5669	7.74	-0.01	27483	507.0 -> 99.0	51.9	36.0	66.9



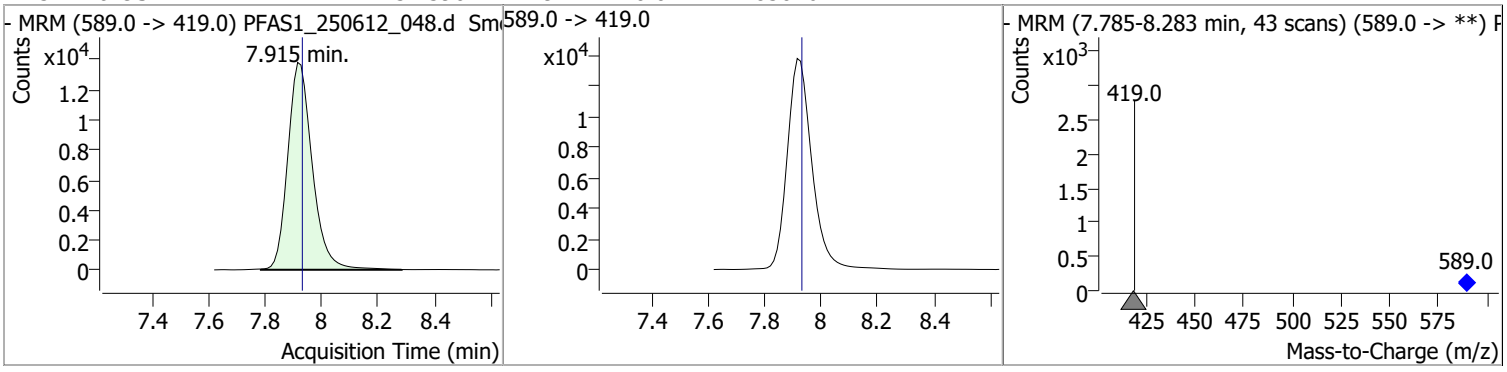
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	27018	503.0 -> 99.0	53.8	36.6	67.9



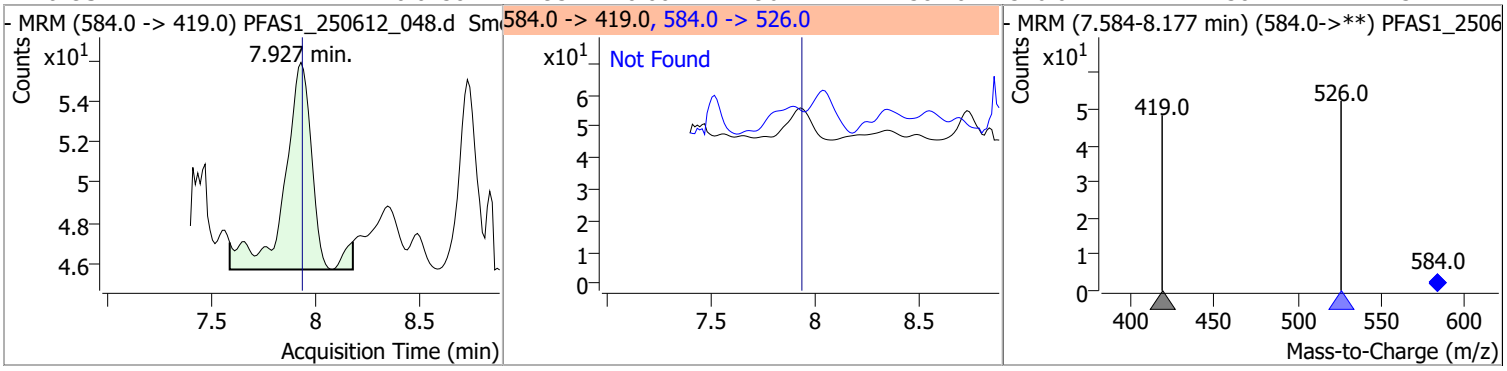
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.0051	7.75	-0.01	405	498.9 -> 99.0	66.8	34.4	64.0



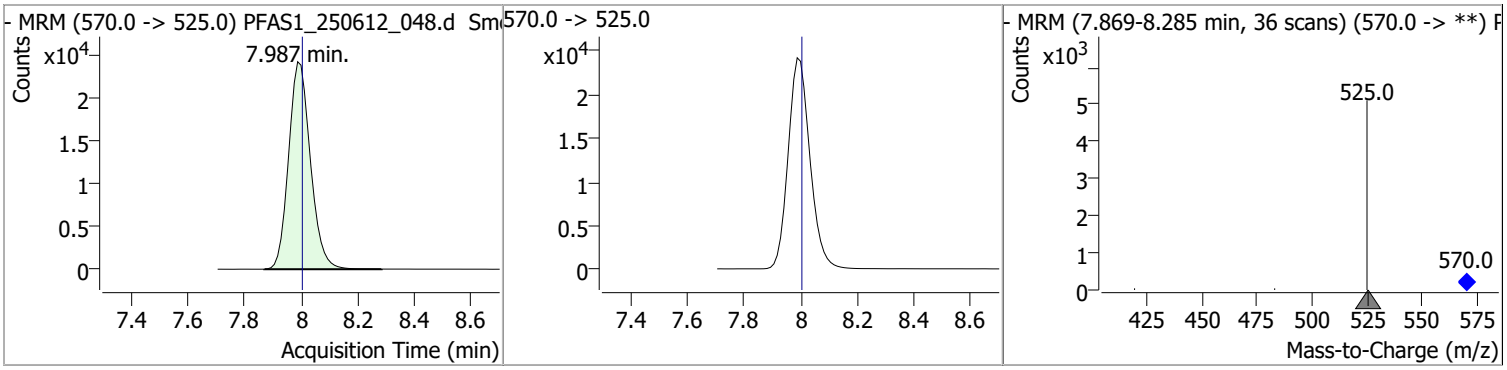
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1390	7.91	-0.01	83076				



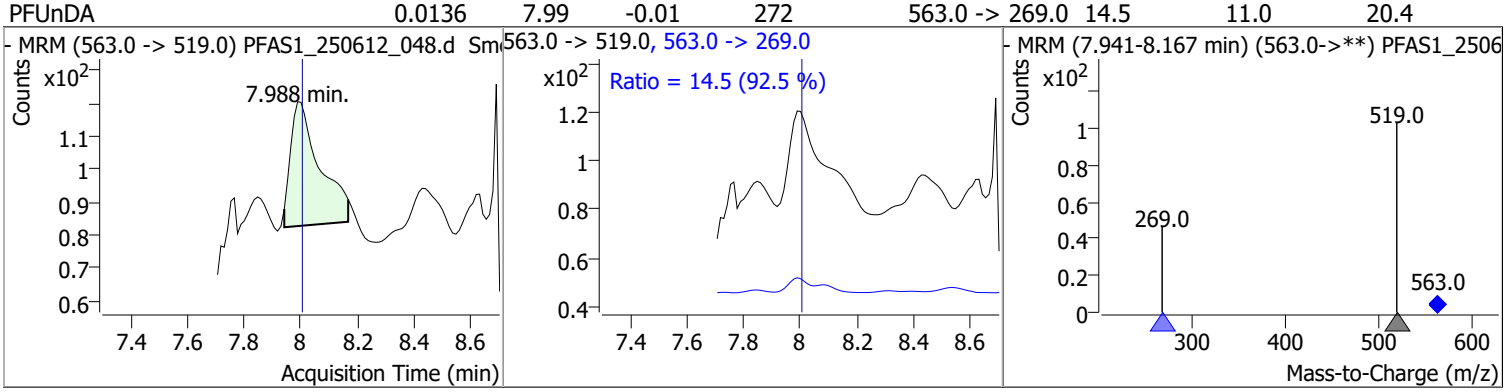
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.0158	7.93	0.00	96	584.0 -> 526.0		38.4	71.3



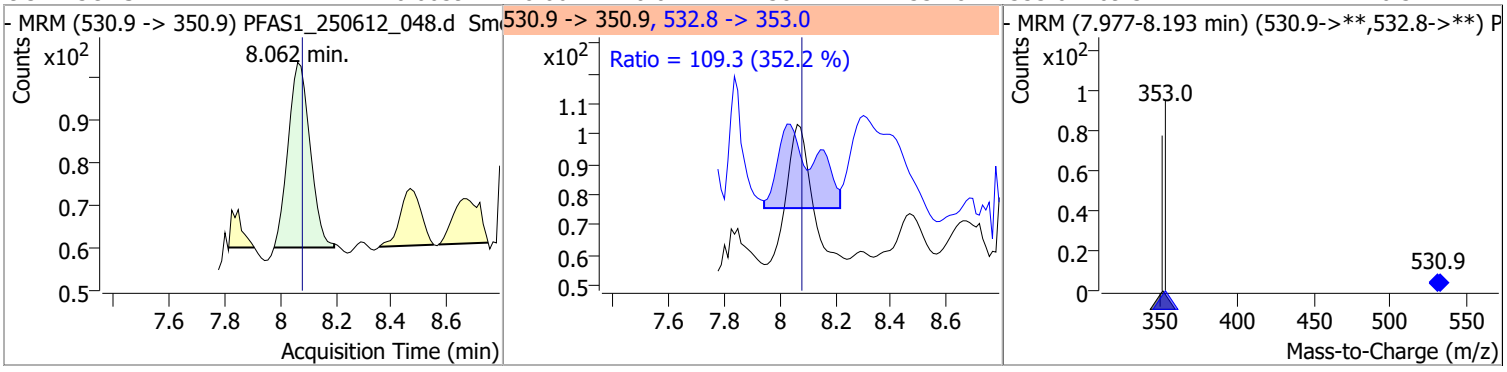
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2883	7.99	-0.01	129712				



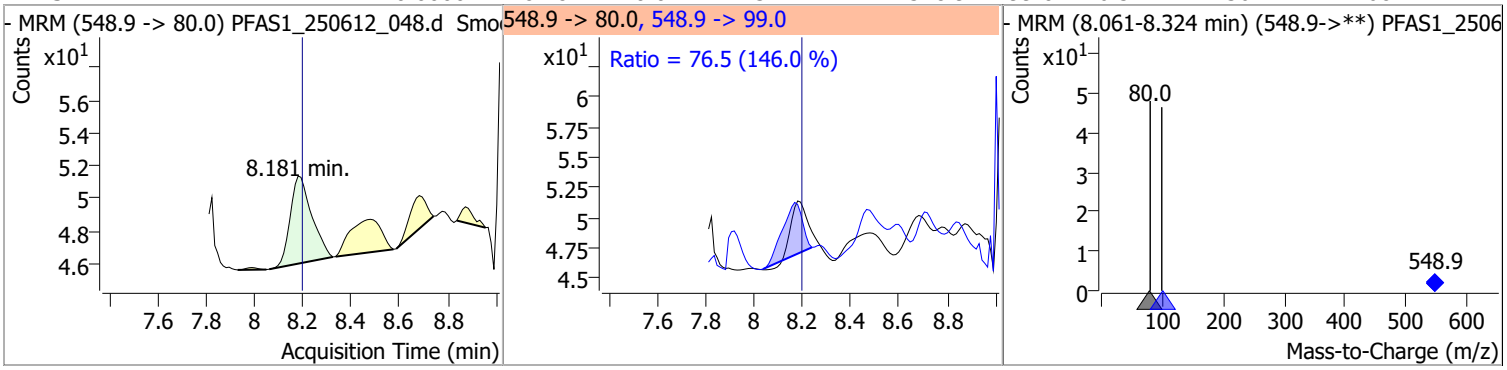
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.0136	7.99	-0.01	272	563.0 -> 269.0	14.5	11.0	20.4



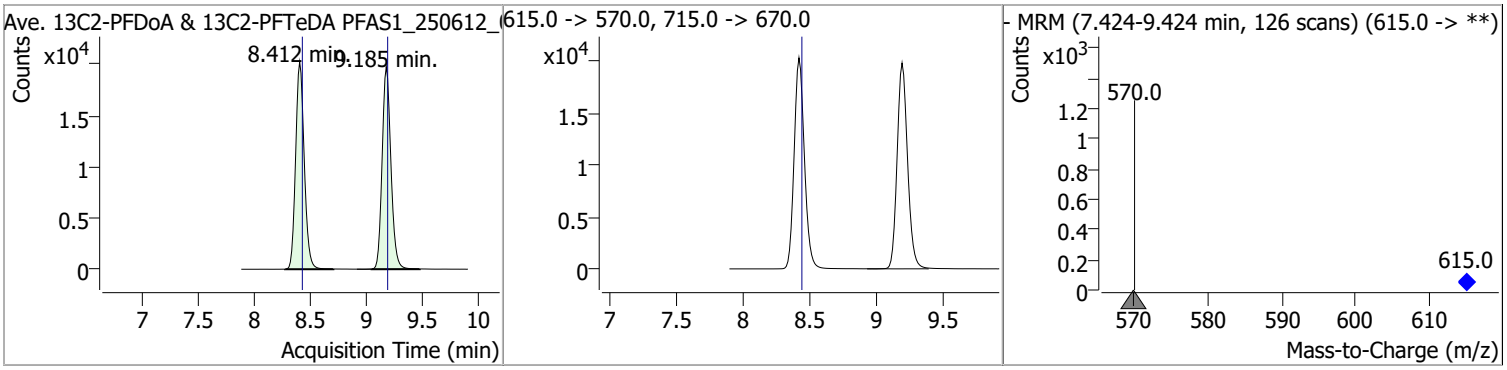
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.0039	8.06	-0.01	238	532.8 -> 353.0	109.3	21.7	40.3



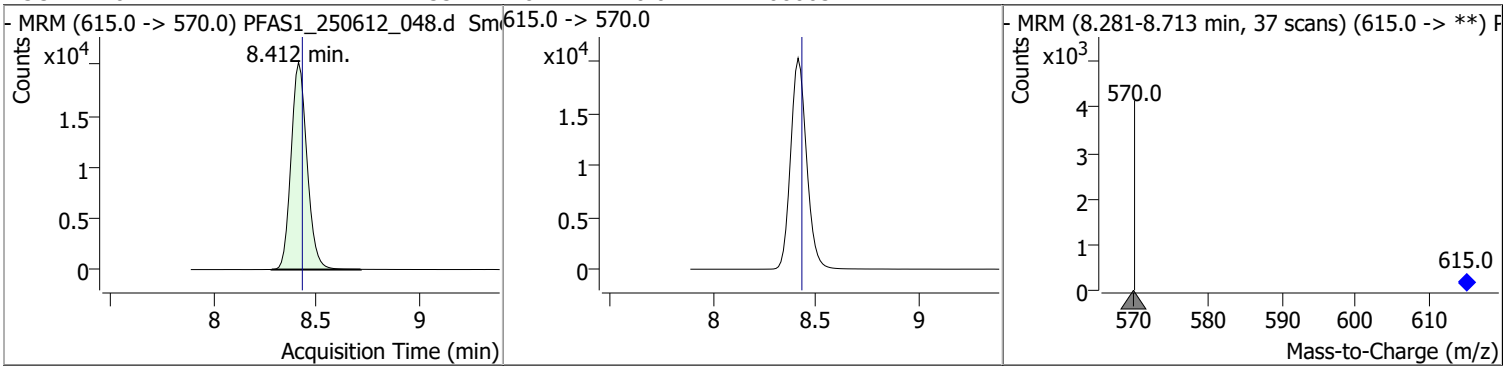
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.0000	8.18	-0.01	34	548.9 -> 99.0	76.5	36.7	68.1



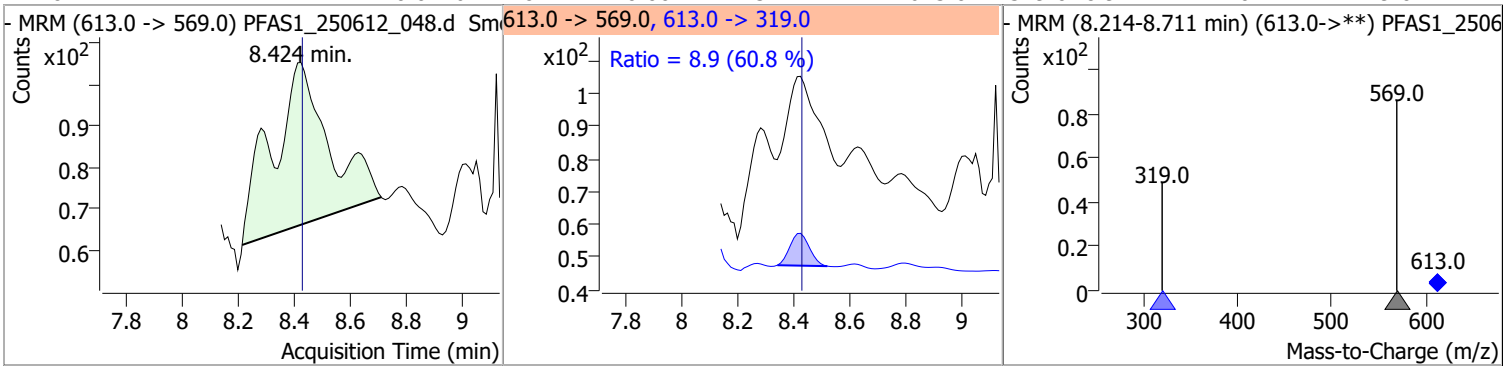
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2454	8.80	0.37	107733				



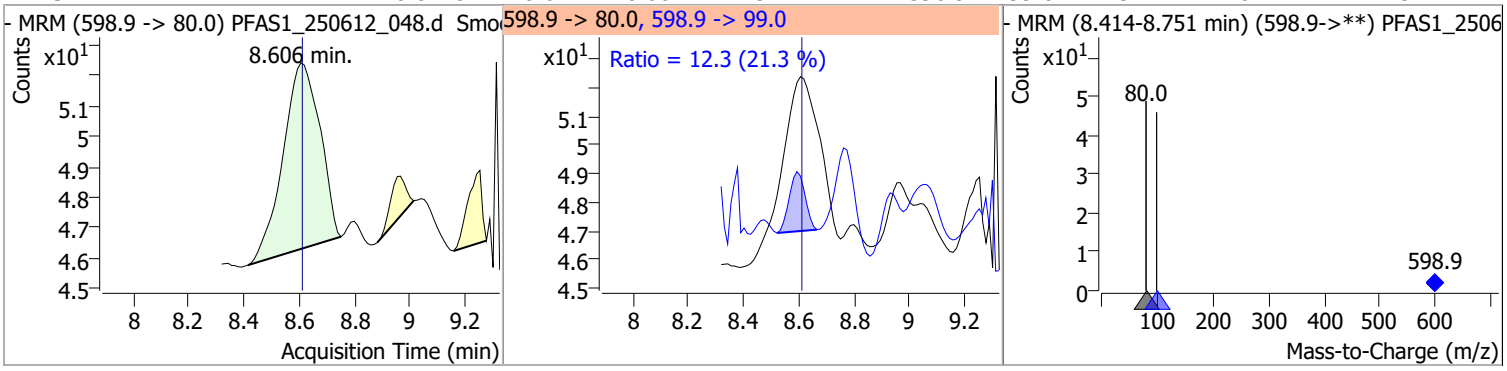
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2331	8.41	-0.01	108003				



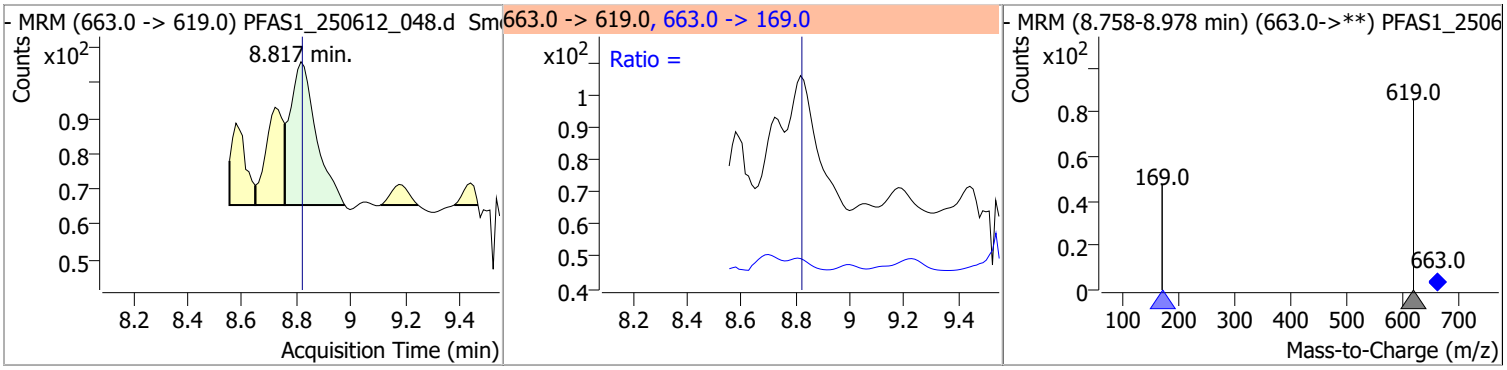
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.0116	8.42	0.00	542	613.0 -> 319.0	8.9	10.2	19.0



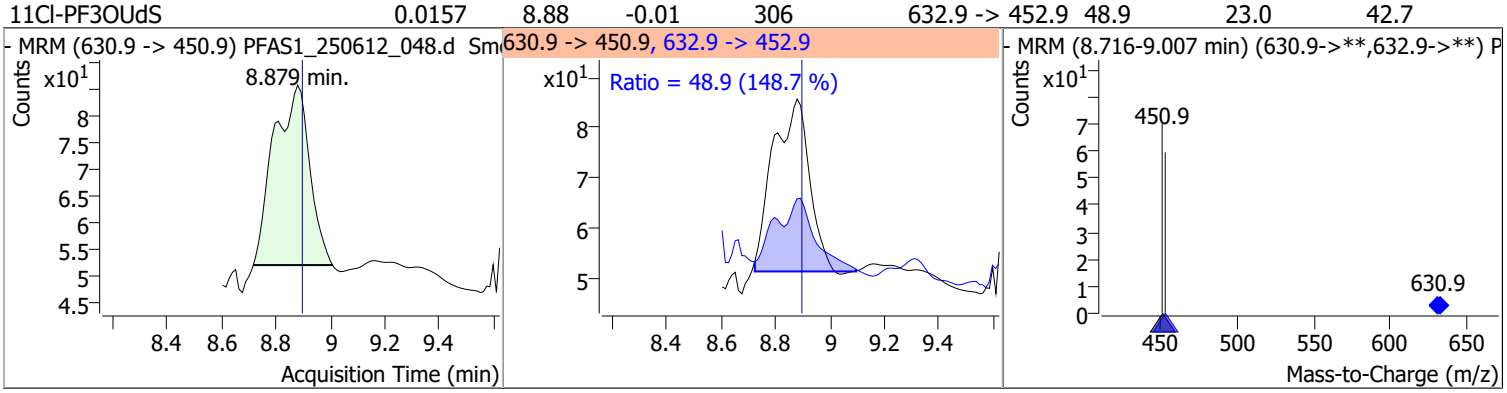
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.0218	8.61	0.00	57	598.9 -> 99.0	12.3	40.4	74.9



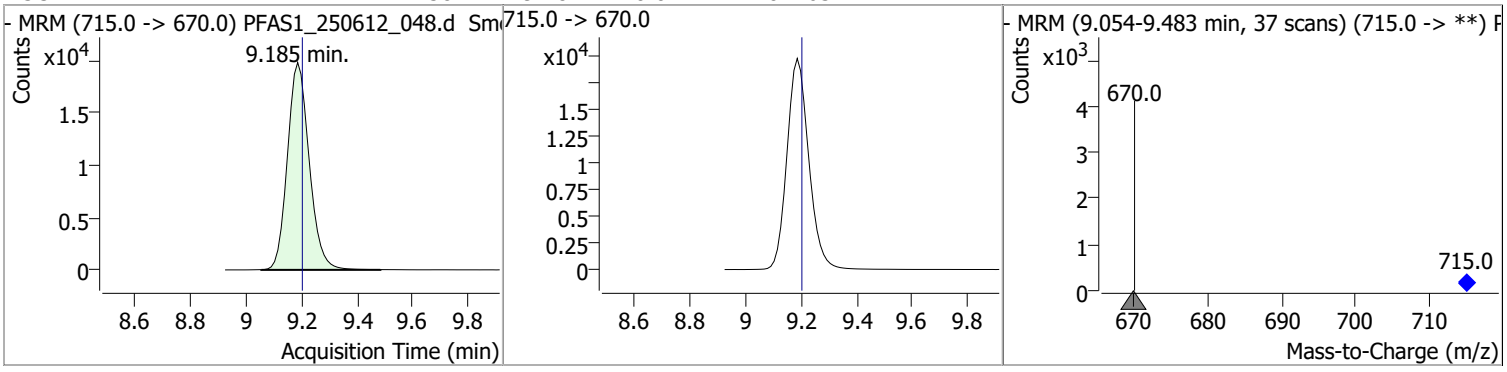
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.0185	8.82	0.00	270	663.0 -> 169.0		7.2	13.4



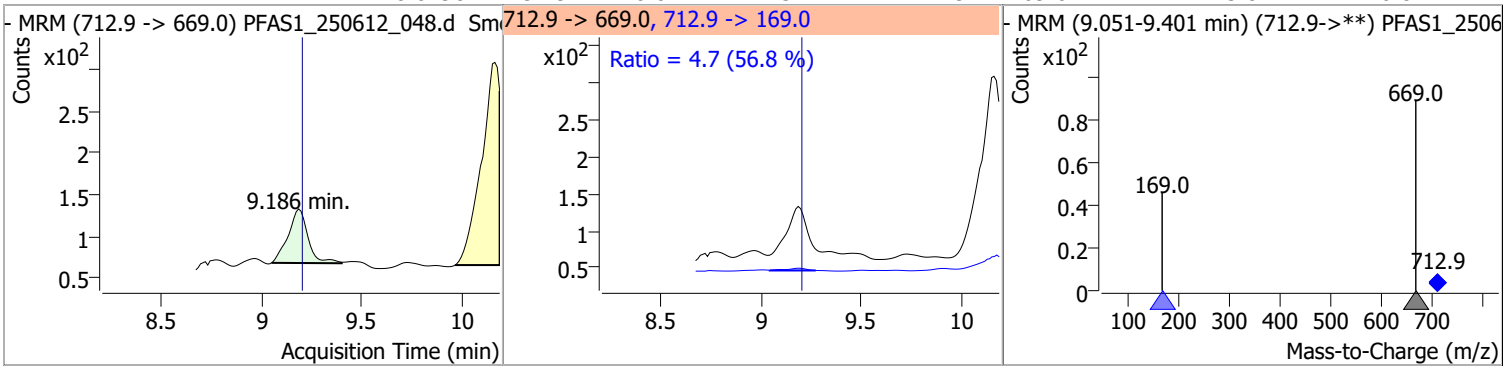
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.0157	8.88	-0.01	306	632.9 -> 452.9	48.9	23.0	42.7



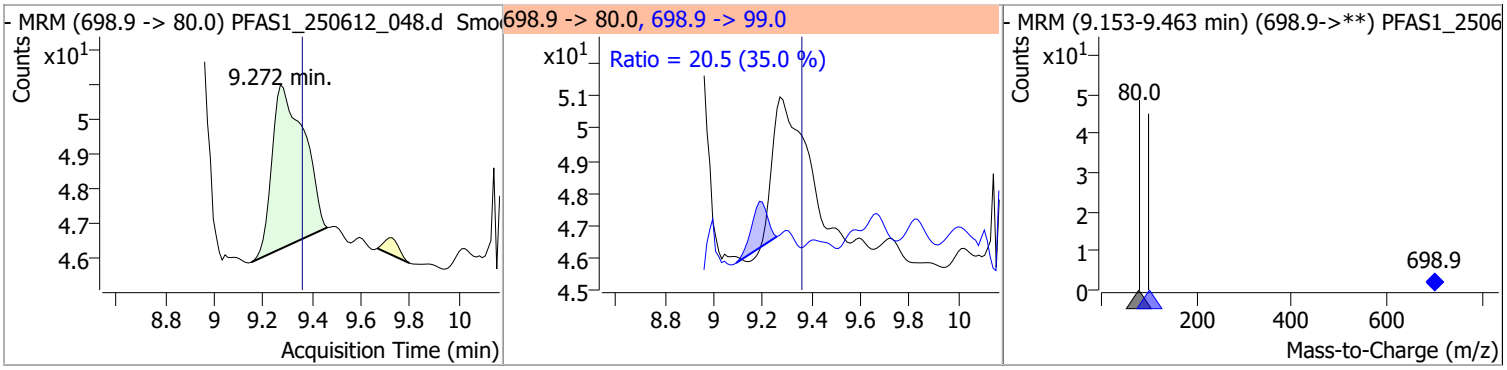
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2581	9.18	-0.01	107463				



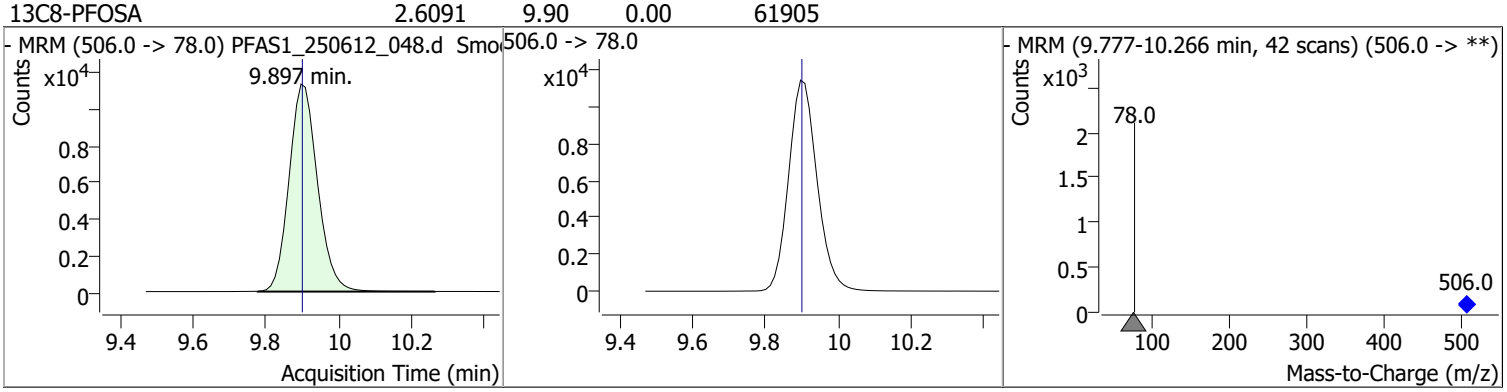
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.0198	9.19	-0.01	443	712.9 -> 169.0	4.7	5.8	10.8



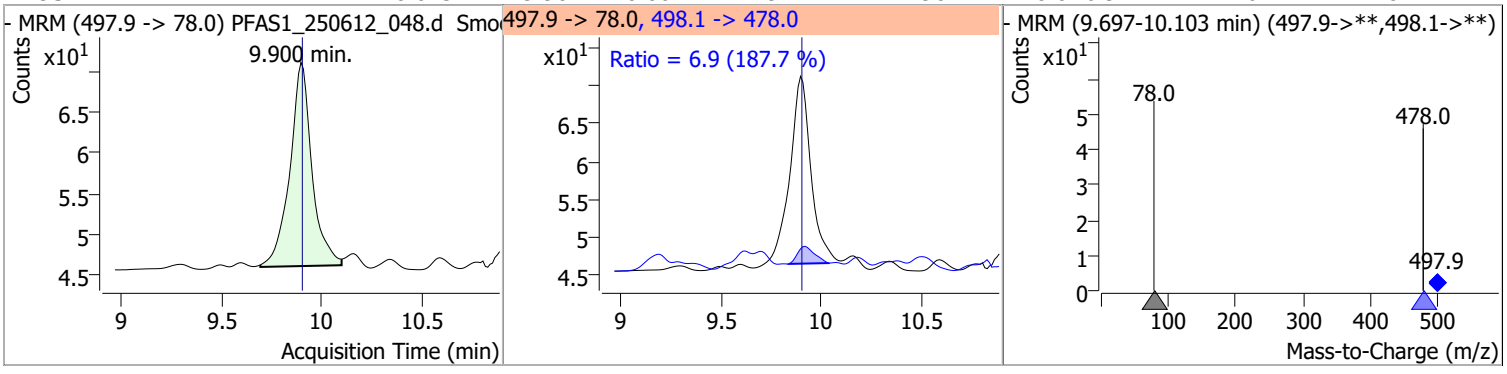
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.0263	9.27	-0.08	44	698.9 -> 99.0	20.5	41.0	76.1



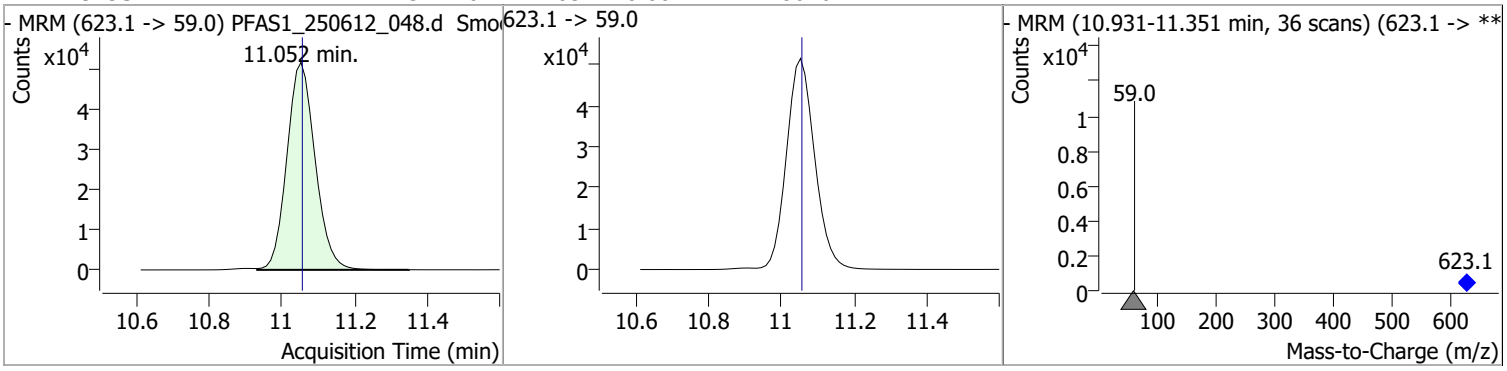
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6091	9.90	0.00	61905				



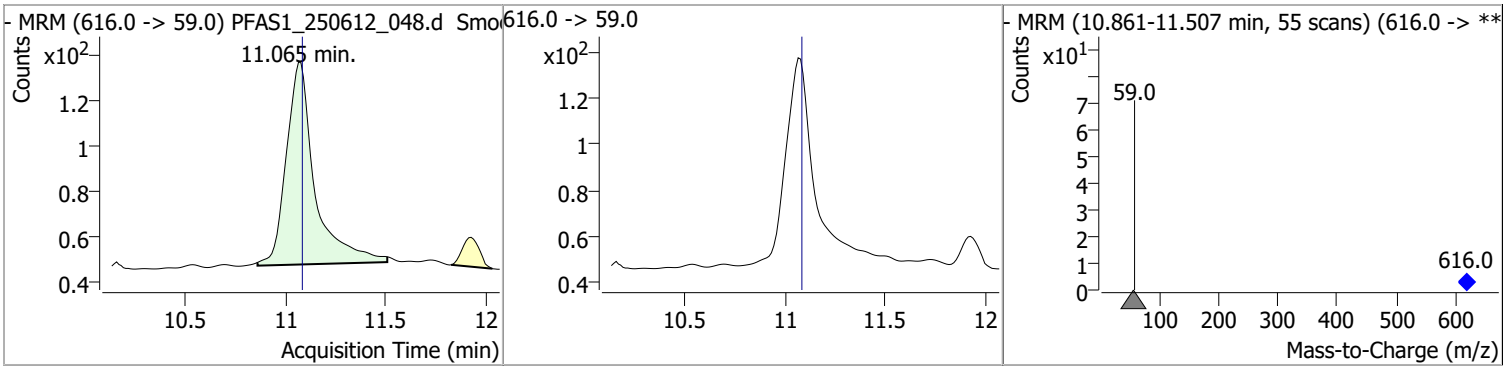
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.0132	9.90	0.00	192	498.1 -> 478.0	6.9	2.6	4.8



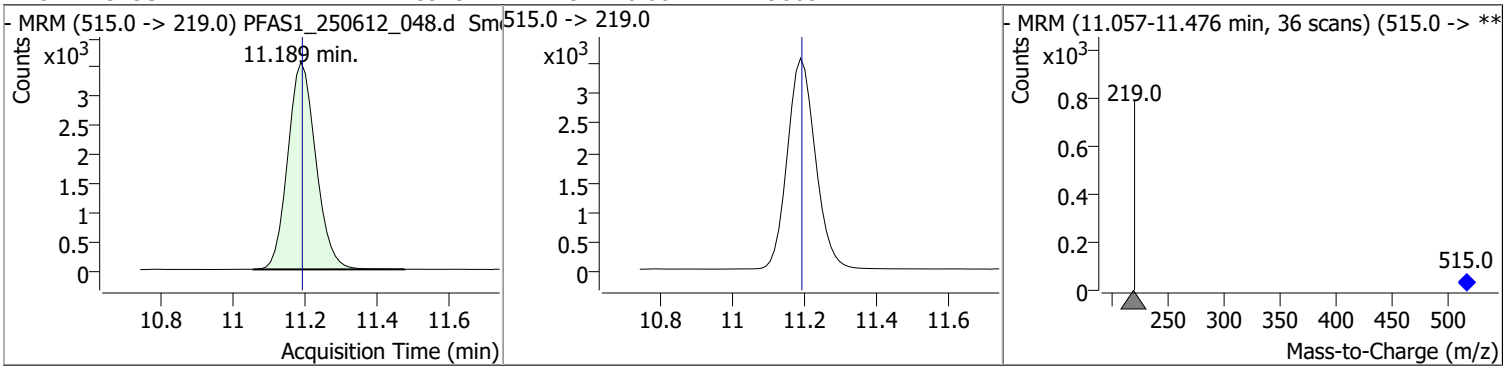
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.4420	11.05	0.00	278676				



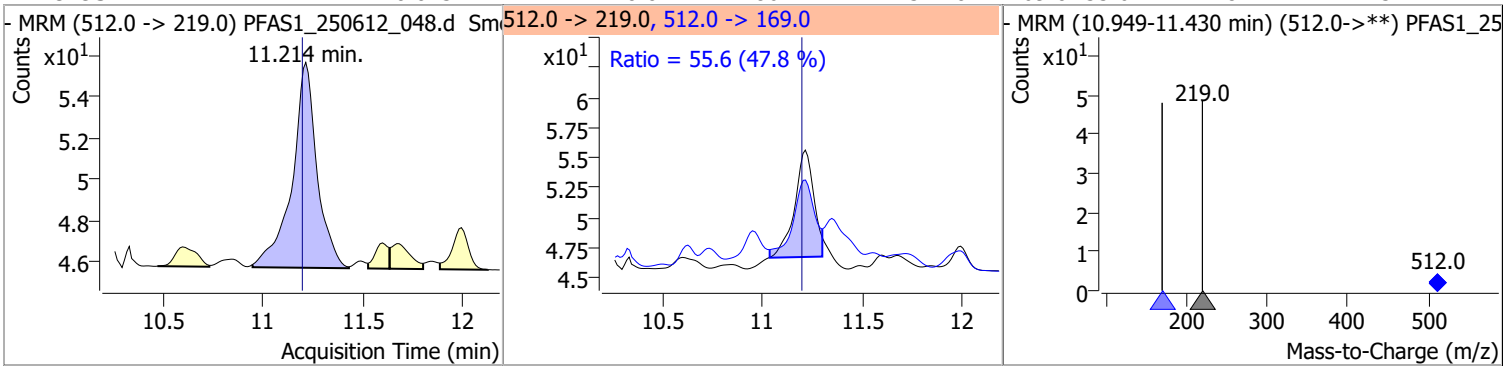
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	0.0080	11.07	-0.01	887				



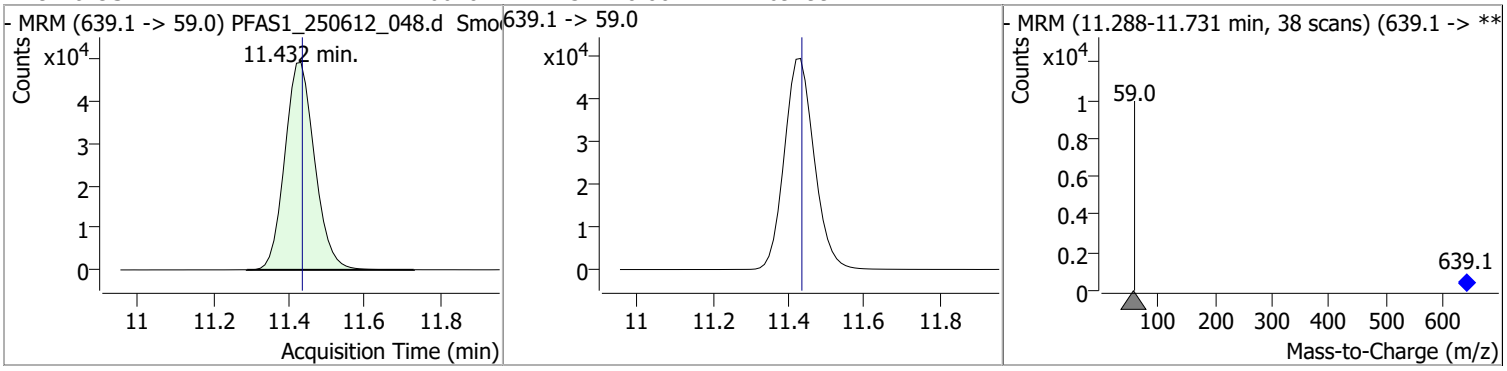
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3923	11.19	0.00	19063				



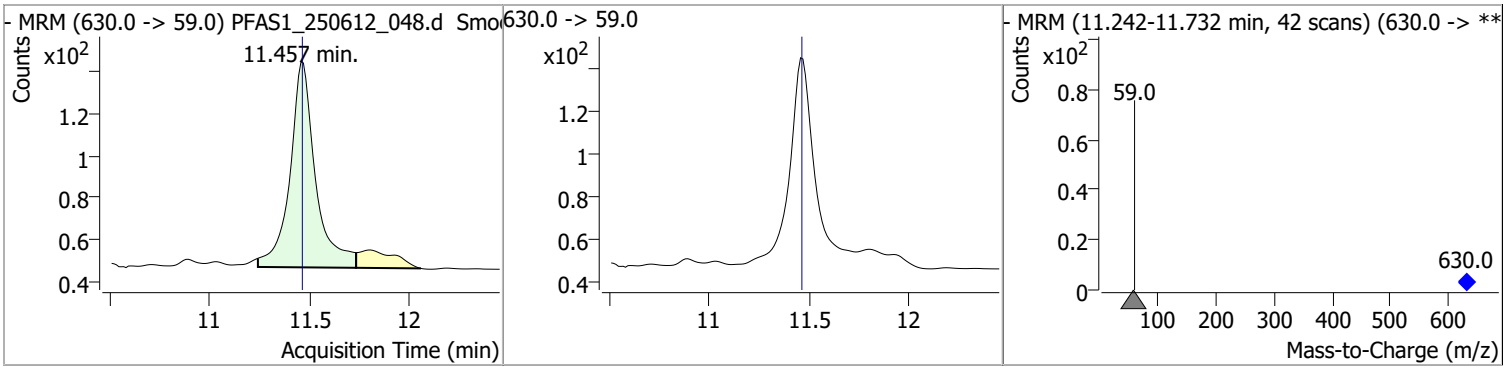
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.0131	11.21	0.02	86	512.0 -> 169.0	55.6	81.4	151.2



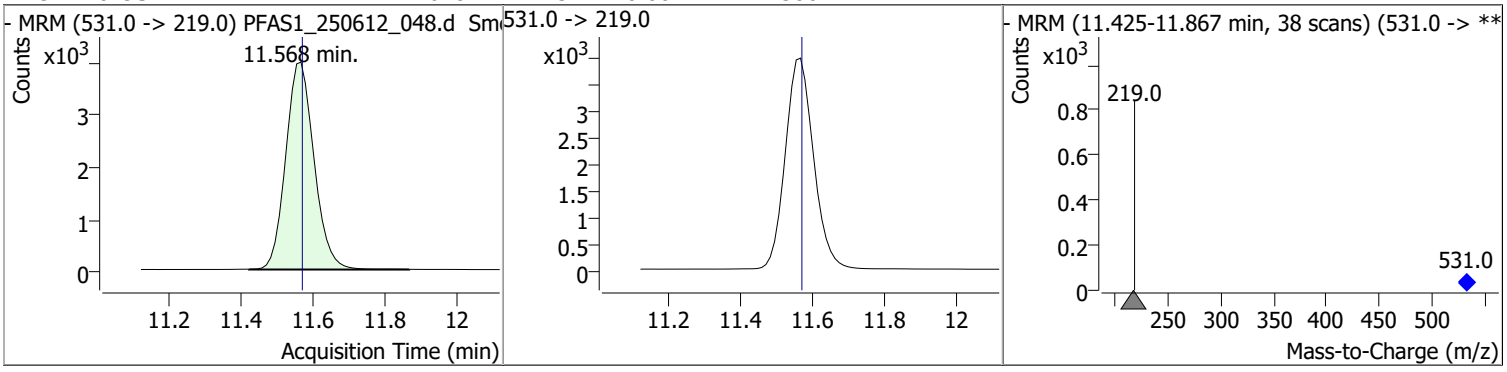
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.6620	11.43	0.00	269499				



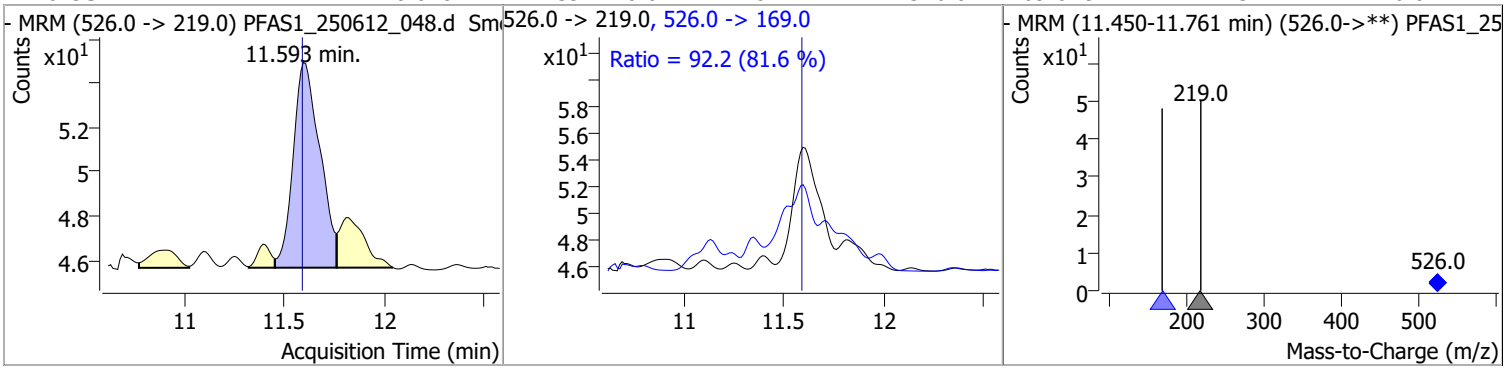
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	0.0000	11.46	0.00	878				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4648	11.57	0.00	21580				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.0287	11.59	0.01	87	526.0 -> 169.0	92.2	79.1	146.8



6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
PFBA	0.8	33587.5	200	28245.9	2	34273	4	34758.5	8	34718.75	20	34882.9
PFPeA	0.4	51598.45	100	48320.65	1	53501.7	2	53885.35	4	54216.05	10	54665.82
PFHxA	0.2	75404.75	50	66934.38	0.5	74652.72	1	76085.85	2	76943.95	5	76393.04
PFHpA	0.2	79302	50	77933.52	0.5	83519.96	1	84401.6	2	84306.45	5	87252.04
PFOA	0.2	86189.9	50	84135.04	0.5	89741.66	1	89050.41	2	88447.95	5	90122.72
PFNA	0.2	90004.65	50	88014.94	0.5	89815.7	1	91748.83	2	92192.25	5	94596.02
PFDA	0.2	97492.55	50	94017.16	0.5	103194.7	1	103453.5	2	102627.4	5	102838.2
PFUnA	0.2	90293.4	50	85051.36	0.5	91606.72	1	93006.3	2	90692.6	5	93453.42
PFDoA	0.2	76827.7	50	74653.76	0.5	79934.34	1	80298.96	2	79750.75	5	80922.64
PFTrDA	0.2	72814.95	50	74155.3	0.5	77084.32	1	79355.7	2	79263.45	5	81522.34
PFTeDA	0.2	69218.35	50	70140.74	0.5	74181.42	1	76770.44	2	75494.75	5	78453.88
PFBS	0.177	21122.4	44.3	15923.24	0.442	19694.22	0.885	19417.42	1.77	19686.53	4.42	20291.15
PFPeS	0.188	12990.48	47	11876.41	0.47	13445.63	0.94	14055.69	1.88	13833.75	4.7	13792.18
PFHxS	0.183	12025.51	45.7	10136.35	0.457	12184.42	0.915	11400.81	1.83	10905.42	4.58	11231.44
PFHpS	0.191	10441.72	47.7	8936.43	0.477	10581.53	0.955	10398.34	1.91	10572.63	4.78	10578.64
PFOS	0.186	13078.23	46.5	10178.76	0.465	12070.69	0.93	11581.32	1.86	11172.96	4.65	11734.72
PFNS	0.192	11151.04	48	9091.958	0.48	10293.75	0.96	10872.92	1.92	10990.62	4.8	11176.46
PFDS	0.193	7953.368	48.3	7459.255	0.483	8774.327	0.965	9374.094	1.93	8449.223	4.83	9011.181
PFDoS	0.194	5324.742	48.5	5128.413	0.485	5432.99	0.97	5723.711	1.94	5636.083	4.85	5986.186
4:2FTS	0.75	13159.96	188	8027.532	1.87	12686.64	3.75	12761.77	7.5	12470.79	18.8	11951.47
6:2FTS	.760000	10857.65	190	7323.989	1.9	10880	3.8	11033.59	7.6	10996.51	19	10539.71
8:2FTS	0.768	8900.462	192	7036.484	1.92	9284.142	3.84	9786.556	7.68	9898.204	19.2	9669.192
PFOSA	0.2	20210.66	50	19464.83	0.5	20145.32	1	20492.1	2	19952.94	5	20642.36
NMeFOSA	0.2	7380.81	50	6969.8	0.5	6852.102	1	7249.147	2	7173.995	5	7284.87
NEtFOSA	0.2	8005.064	50	8146.662	0.5	8205.858	1	8476.951	2	8440.795	5	8742.197
NMeFOSAA	0.2	16863.9	50	16124.07	0.5	15548.54	1	15618.32	2	16222.07	5	16699.76
NEtFOSAA	0.2	13369.88	50	14283.88	0.5	13856.94	1	14477.67	2	14094.48	5	14361.26
NMeFOSE	2	10854.53	500	8823.256	5	11180.27	10	11733.12	20	11638.15	50	11550.67
NEtFOSE	2	11120.3	500	8203.184	5	11337.61	10	11891.34	20	11603.46	50	11447.83
HFPO-DA	0.4	22860.67	100	20122.35	1	22456.2	2	23224.01	4	23002.51	10	23016.47

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
ADONA	0.378	96173.73	94.5	96654.5	0.945	101141.1	1.89	103934.7	3.78	102579.8	9.45	106299.5
9CL-PF3ONS	0.374	72942.56	93.5	61314.45	0.935	74474.55	1.87	77898.77	3.74	76530.24	9.35	76472.2
11CL-PF3OUdS	0.378	49700.21	94.5	43437.43	0.945	51087.6	1.89	51958.68	3.78	52381.67	9.45	52863.3
3:3FTCA	0.8	1368	200	1321.717	2	1284.731	4	1277.429	8	1268.637	20	1275.561
5:3FTCA	4	5854.697	1000	6358.795	10	6084.749	20	6108.91	40	6222.612	100	6386.979
7:3FTCA	4	6463.877	1000	7226.377	10	6760.519	20	6737.805	40	6772.185	100	6887.018
PFEESA	0.356	56401.38	89	47165	0.89	59158.59	1.78	57962.59	3.56	57288.79	8.9	58087.18
PFMPA	0.4	24060.56	100	22993.38	1	25129.57	2	25604.96	4	25498.45	10	25891.65
PFMBA	0.4	32252.52	100	31211.11	1	33360.71	2	33787.73	4	34267.4	10	35488.48
NFDHA	0.4	2998.093	100	2251	1	3038.534	2	3003.503	4	3104.045	10	2871.079
13C4-PFBA	10	1.145276	10	1.17336	10	1.143641	10	1.150482	10	1.148143	10	1.165302
13C5-PFPeA	5	0.7638054	5	0.7423477	5	0.7499635	5	0.7577385	5	0.7520993	5	0.7750042
13C5-PFHxA	2.5	1.04186	2.5	1.027813	2.5	1.019555	2.5	1.031161	2.5	1.015914	2.5	1.043915
13C4-PFHpA	2.5	1.196006	2.5	1.198292	2.5	1.178442	2.5	1.167795	2.5	1.18254	2.5	1.212894
13C8-PFOA	2.5	11.05557	2.5	11.34129	2.5	11.05697	2.5	11.1554	2.5	10.8826	2.5	11.80552
13C9-PFNA	1.25	1.013582	1.25	1.01076	1.25	1.022126	1.25	1.015443	1.25	1.03107	1.25	1.032991
13C6-PFDA	1.25	1.076972	1.25	1.040838	1.25	1.071838	1.25	1.109976	1.25	1.064473	1.25	1.077964
13C7-PFUnA	1.25	0.9270131	1.25	0.9132452	1.25	0.9293006	1.25	0.9560598	1.25	0.9066297	1.25	0.929033
13C2-PFDoA	1.25	0.7868895	1.25	0.8276206	1.25	0.7873608	1.25	0.7938741	1.25	0.7822043	1.25	0.8123673
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.777146	1.25	0.8237535	1.25	0.7710251	1.25	0.7860287	1.25	0.7710173	1.25	0.8030288
13C2-PFTeDA	1.25	0.7674028	1.25	0.8198866	1.25	0.7546899	1.25	0.7781824	1.25	0.7598301	1.25	0.7936904
13C3-PFBS	2.5	1.846818	2.5	1.65828	2.5	1.905151	2.5	1.842297	2.5	1.893094	2.5	1.891911
13C3-PFHxS	2.5	1.160561	2.5	1.113507	2.5	1.192156	2.5	1.149275	2.5	1.138648	2.5	1.149548
13C8-PFOS	2.5	1.001963	2.5	0.9750002	2.5	0.994073	2.5	0.9910223	2.5	1.00072	2.5	0.9800095
13C2-4:2FTS	5	0.3983062	5	0.2847627	5	0.3998261	5	0.3621711	5	0.3711241	5	0.3655069
13C2-6:2FTS	5	0.258718	5	0.2182748	5	0.2638272	5	0.2564225	5	0.2557284	5	0.2538477
13C2-8:2FTS	5	0.2698265	5	0.2621337	5	0.264014	5	0.2660995	5	0.2839116	5	0.2608573
13C8-PFOSA	2.5	2.2012	2.5	2.335777	2.5	2.133773	2.5	2.16823	2.5	2.107721	2.5	2.061644
D3-NMeFOSA	2.5	0.7350044	2.5	0.8062624	2.5	0.7124029	2.5	0.7152113	2.5	0.6999729	2.5	0.689656
D5-NEtFOSA	2.5	0.8097682	2.5	0.8407676	2.5	0.8108276	2.5	0.7957305	2.5	0.7787216	2.5	0.7818935

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.8165	5	2.037668	5	1.784612	5	1.791861	5	1.807477	5	1.745227
D5-NEtFOSAA	5	1.420503	5	1.582454	5	1.461567	5	1.426696	5	1.47343	5	1.464707
D7-NMeFOSE	25	1.114453	25	1.091691	25	1.07364	25	1.120895	25	1.112981	25	1.080141
D9-NEtFOSE	25	1.11114	25	1.089702	25	1.091543	25	1.144638	25	1.092086	25	1.081255
13C3-HFPO-DA	10	0.3136787	10	0.3110067	10	0.3078034	10	0.3105436	10	0.300087	10	0.3144583

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
PFBA	40	33851.38	80	32633.44	120	31026.82	160	29359.41				
PFPeA	20	53642.8	40	53225.07	60	51186.75	80	49984.62				
PFHxA	10	75501.73	20	74693.3	30	71949.9	40	69492.98				
PFHpA	10	85713.11	20	84134.4	30	82166.13	40	80536.6				
PFOA	10	89592.23	20	89111.1	30	86991.1	40	86024.33				
PFNA	10	93236.07	20	92902.55	30	90952.13	40	89807.67				
PFDA	10	103458.5	20	100874.9	30	98434.13	40	95182.65				
PFUnA	10	92676.22	20	92397.55	30	88296.2	40	86370.7				
PFDoA	10	80285.52	20	79460.2	30	77192.9	40	75600.9				
PFTrDA	10	80128.12	20	79605	30	77115.37	40	74968.8				
PFTeDA	10	78034.43	20	75358.6	30	72604.34	40	71130.58				
PFBS	8.849999	19483.71	17.7	18846.71	26.6	17759.87	35.4	16731.92				
PFPeS	9.4	13339.26	18.8	13333.04	28.2	12747.79	37.6	12183.42				
PFHxS	9.150001	10979.21	18.3	10988.71	27.5	10675.81	36.6	10473.43				
PFHpS	9.549999	10518.25	19.1	10133.71	28.7	9669.14	38.2	9296.408				
PFOS	9.3	11003.87	18.6	11119.71	27.9	10520.92	37.2	10459.48				
PFNS	9.6	11004.27	19.2	10458.54	28.8	10007.43	38.4	9673.854				
PFDS	9.650001	8755.232	19.3	8703.523	29	8192.689	38.6	7858.964				
PFDoS	9.700001	5829.793	19.4	5648.814	29.1	5458.454	38.8	5254.82				
4:2FTS	37.5	11020.28	75	9871.505	113	9171.08	150	8483.38				
6:2FTS	38	9754.368	76	8832.555	114	8166.003	152	7572.026				
8:2FTS	38.4	9118.536	76.8	8580.389	115	7761.206	154	7305.234				
PFOSA	10	20552.56	20	20254.89	30	20094.57	40	19772.49				
NMeFOSA	10	7296.97	20	7457.985	30	7235.917	40	7100.78				
NEtFOSA	10	8554.456	20	8679.42	30	8448.707	40	8354.46				
NMeFOSAA	10	16926.75	20	17044	30	16526.9	40	16351.9				
NEtFOSAA	10	14673.75	20	14800.47	30	14407.96	40	14212.48				
NMeFOSE	100	10987.28	200	10456.4	300	9649.684	400	9110.215				
NEtFOSE	100	10799.1	200	9905.105	300	9276.946	400	8649				
HFPO-DA	20	23171.32	40	22572.34	60	21575.6	80	20571.55				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
ADONA	18.9	102992.4	37.8	102677.9	56.7	100158.4	75.6	98265.48				
9CL-PF3ONS	18.7	73434.65	37.4	71249.41	56.1	67073.85	74.8	64860.44				
11CL-PF3OUdS	18.9	51379.75	37.8	48891.35	56.7	47125.82	75.6	45116.36				
3:3FTCA	40	1292.916	80	1323.899	120	1323.783	160	1309.807				
5:3FTCA	200	6382.455	400	6434.88	600	6436.039	800	6378.478				
7:3FTCA	200	6897.72	400	7088.732	600	7116.644	800	7208.544				
PFEESA	17.8	56069.04	35.6	54306.32	53.4	51411.46	71.2	49068.16				
PFMPA	20	25388.68	40	25274.95	60	24448.92	80	23530.34				
PFMBA	20	34804.52	40	34142.68	60	32908.71	80	31834.76				
NFDHA	20	2967.117	40	3040.993	60	2691.382	80	2500.396				
13C4-PFBA	10	1.147861	10	1.159164	10	1.14585	10	1.165019				
13C5-PFPeA	5	0.7480875	5	0.769716	5	0.7390423	5	0.7486463				
13C5-PFHxA	2.5	1.025467	2.5	1.033847	2.5	1.007787	2.5	1.052315				
13C4-PFHpA	2.5	1.18323	2.5	1.215412	2.5	1.186108	2.5	1.216943				
13C8-PFOA	2.5	10.82642	2.5	11.09691	2.5	11.21614	2.5	11.51335				
13C9-PFNA	1.25	1.053118	1.25	1.04491	1.25	1.034888	1.25	0.9909055				
13C6-PFDA	1.25	1.042603	1.25	1.063445	1.25	1.042978	1.25	1.023809				
13C7-PFUnA	1.25	0.9200083	1.25	0.9347624	1.25	0.8923931	1.25	0.9081346				
13C2-PFDoA	1.25	0.7925761	1.25	0.805916	1.25	0.8105586	1.25	0.8181336				
AVE 13C2-PFTeDA & 13C2-PF	1.25	0.7891261	1.25	0.7985446	1.25	0.7870224	1.25	0.811554				
13C2-PFTeDA	1.25	0.7856761	1.25	0.7911732	1.25	0.7634862	1.25	0.8049743				
13C3-PFBS	2.5	1.819959	2.5	1.896524	2.5	1.68036	2.5	1.667739				
13C3-PFHxS	2.5	1.137887	2.5	1.190309	2.5	1.127479	2.5	1.116821				
13C8-PFOS	2.5	1.013468	2.5	0.9910295	2.5	0.9823315	2.5	0.9775198				
13C2-4:2FTS	5	0.3265195	5	0.3192989	5	0.2960052	5	0.2873043				
13C2-6:2FTS	5	0.2377629	5	0.2260491	5	0.2110666	5	0.2084046				
13C2-8:2FTS	5	0.2508754	5	0.2563826	5	0.2430599	5	0.2598863				
13C8-PFOSA	2.5	2.200215	2.5	2.255044	2.5	2.219219	2.5	2.271762				
D3-NMeFOSA	2.5	0.7252139	2.5	0.773702	2.5	0.744188	2.5	0.7715652				
D5-NEtFOSA	2.5	0.8039684	2.5	0.8342333	2.5	0.8198619	2.5	0.8256342				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Client: CDM Federal Programs Corporation SDG: O25F0365

Project: Salt Lake City VA PFAS

Calibration: OF250075 Instrument: PFAS1

Calibration Date: 6/12/2025 9:06:00AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
D3-NMeFOSAA	5	1.87391	5	1.937154	5	1.939387	5	1.93295				
D5-NEtFOSAA	5	1.485163	5	1.50583	5	1.557936	5	1.579978				
D7-NMeFOSE	25	1.133239	25	1.122816	25	1.082884	25	1.067109				
D9-NEtFOSE	25	1.105282	25	1.122962	25	1.088911	25	1.076246				
13C3-HFPO-DA	10	0.3087207	10	0.3168305	10	0.3090118	10	0.3132938				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OF250075	Instrument:	PFAS1
		Calibration Date:	6/12/2025 9:06:00AM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
PFBA	LRI	32733.76	7.304675	0.996212				
PFPeA	LRI	52422.73	3.95358	0.9984776				
PFHxA	LRI	73805.26	4.46971	0.9978939				
PFHpA	LRI	82926.58	3.520927	0.9988631				
PFOA	LRI	87940.64	2.265308	0.9994643				
PFNA	LRI	91327.08	2.165241	0.999514				
PFDA	LRI	100157.4	3.604768	0.9990866				
PFUnA	LRI	90384.45	3.217446	0.9990507				
PFDoA	LRI	78492.77	2.834416	0.9994092				
PFTrDA	LRI	77601.33	3.690857	0.9992063				
PFTeDA	LRI	74138.76	4.397192	0.9991504				
PFBS	LRI	18895.72	8.569184	0.9948392				
PFPeS	LRI	13159.76	5.432511	0.9978265				
PFHxS	LRI	11100.11	5.781103	0.9988957				
PFHpS	LRI	10112.68	5.94228	0.9971915				
PFOS	LRI	11292.07	7.658308	0.9989995				
PFNS	LRI	10472.08	6.722059	0.9960247				
PFDS	LRI	8453.186	6.915117	0.9959991				
PFDoS	LRI	5542.4	4.860222	0.9982688				
4:2FTS	LRI	10960.44	17.59048	0.9913325				
6:2FTS	LRI	9595.639	15.5627	0.99318				
8:2FTS	LRI	8734.04	11.89188	0.9934522				
PFOSA	LRI	20158.27	1.803953	0.999653				
NMeFOSA	LRI	7200.237	2.552921	0.9993289				
NEtFOSA	LRI	8405.457	2.771938	0.9993632				
NMeFOSAA	LRI	16392.62	3.188593	0.999575				
NEtFOSAA	LRI	14253.88	2.890426	0.9998013				
NMeFOSE	LRI	10598.36	10.00375	0.9951863				
NEtFOSE	LRI	10423.39	12.67935	0.9929643				
HFPO-DA	LRI	22257.3	5.027376	0.9977214				
ADONA	LRI	101087.7	3.235837	0.9994211				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OF250075	Instrument:	PFAS1
		Calibration Date:	6/12/2025 9:06:00AM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
9CL-PF3ONS	LRI	71625.12	7.688956	0.9961232				
11CL-PF3OUdS	LRI	49394.22	6.529685	0.9972533				
3:3FTCA	LRI	1304.648	2.3539	0.9999491				
5:3FTCA	LRI	6264.859	3.081958	0.9999569				
7:3FTCA	LRI	6915.942	3.522651	0.9999019				
PFEESA	LRI	54691.85	7.537076	0.9965874				
PFMPA	LRI	24782.15	3.933082	0.9984726				
PFMBA	LRI	33405.86	4.064093	0.998647				
NFDHA	LRI	2846.614	9.813135	0.9844203				
13C4-PFBA	AVG	1.15441	0.9036576					
13C5-PFPeA	AVG	0.754645	1.55408					
13C5-PFHxA	AVG	1.029963	1.325155					
13C4-PFHpA	AVG	1.193766	1.424757					
13C8-PFOA	AVG	11.19502	2.628278					
13C9-PFNA	AVG	1.024979	1.774517					
13C6-PFDA	AVG	1.06149	2.334477					
13C7-PFUnA	AVG	0.9216579	1.925779					
13C2-PFDoA	AVG	0.8017501	1.905883					
AVE 13C2-PFTeDA & 13C2-PFDoA	AVG	0.7918246	2.197379					
13C2-PFTeDA	AVG	0.7818992	2.698227					
13C3-PFBS	AVG	1.810213	5.606953					
13C3-PFHxS	AVG	1.147619	2.372499					
13C8-PFOS	AVG	0.9907137	1.242072					
13C2-4:2FTS	AVG	0.3410825	12.91033					
13C2-6:2FTS	AVG	0.2390102	8.956269					
13C2-8:2FTS	AVG	0.2617047	4.18807					
13C8-PFOSA	AVG	2.195459	3.713743					
D3-NMeFOSA	AVG	0.7373179	4.998436					
D5-NEtFOSA	AVG	0.8101407	2.564182					
D3-NMeFOSAA	AVG	1.866674	4.956476					
D5-NEtFOSAA	AVG	1.495826	3.971063					

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Calibration:	OF250075	Instrument:	PFAS1
		Calibration Date:	6/12/2025 9:06:00AM

COMPOUND	Cal Type	Mean RF	RF RSD	Linear r	Quad COD	Weighting	LIMIT	Q
D7-NMeFOSE	AVG	1.099985	2.136867					
D9-NEtFOSE	AVG	1.100376	1.903204					
13C3-HFPO-DA	AVG	0.3105434	1.499234					

Cal Types

AVG = Average Response Factor
LRI = Linear Regression through the intercept
QRI = Quadratic through the intercept
LR0 = Linear Regression forced through zero.
LRI1 = Linear Regression forced through the intercept with 1/x weighting (first order)
LRI2 = Linear Regression forced through the intercept with 1/x squared weighting (second order)
LRI01 = Linear Regression forced through zero with 1/x weighting (first order)
LRI02 = Linear Regression forced through zero with 1/x-squared weighting (second order)
QR0 = Quadratic forced through zero
QRI1 = Quadratic through the intercept weighted by 1/X
QRI2 = Quadratic through the intercept weighted by 1/X^2
QRI01 = Quadratic forced through zero weighted by 1/X
QRI02 = Quadratic forced through zero weighted by 1/X^2

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_012.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 3:27:53 PM
Sample Name	SEQ-CAL1	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

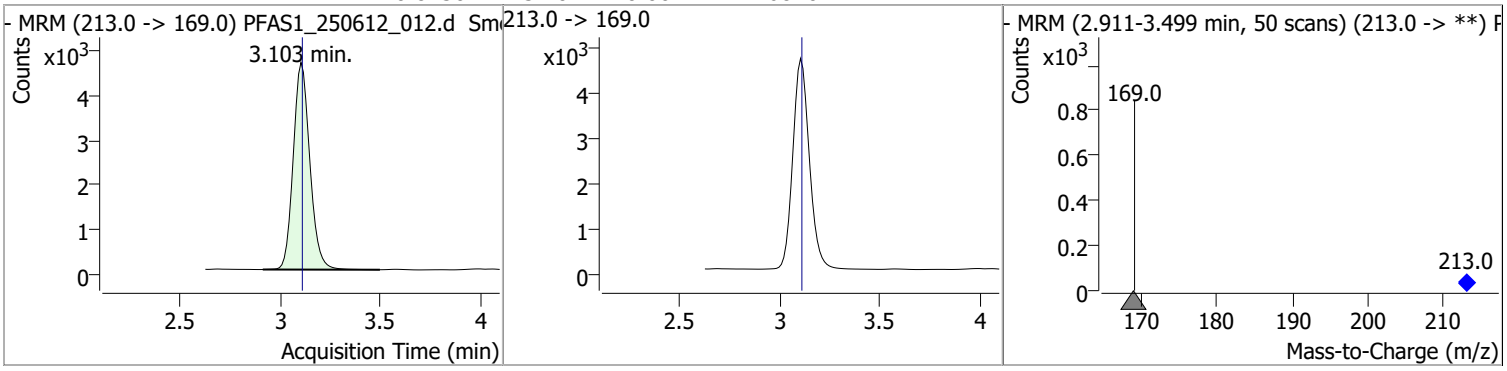
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	169398	5.0000	µg/L	7.094
13C2-PFHxA	5.479	315.0 -> 270.0	182214	2.5000	µg/L	1.980
18O2-PFHxS	6.808	403.0 -> 84.0	24247	2.5000	µg/L	3.176
13C4-PFOA	6.663	417.0 -> 172.0	20670	2.5000	µg/L	2.353
13C5-PFNA	7.137	468.0 -> 423.0	121665	1.2500	µg/L	1.660
13C2-PFDA	7.576	515.0 -> 470.0	127260	1.2500	µg/L	1.701
13C4-PFOS	7.757	503.0 -> 80.0	25069	2.5000	µg/L	0.412
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	388015	10.0000	µg/L	6.308
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.21%		
13C4-PFBA	3.107	217.0 -> 172.0	388015	10.0000	µg/L	6.308
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.21%		
13C5-PFPeA	4.594	268.0 -> 223.0	278351	5.0000	µg/L	3.183
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.21%		
13C5-PFPeA	4.594	268.0 -> 223.0	278351	5.0000	µg/L	3.183
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.21%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	19315	5.0000	µg/L	19.860
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 116.78%		
13C5-PFHxA	5.478	318.0 -> 273.0	189841	2.5000	µg/L	3.175
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.16%		
13C5-PFHxA	5.478	318.0 -> 273.0	189841	2.5000	µg/L	3.175
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.16%		
13C3-PFBS	5.494	302.0 -> 80.0	44779	2.5000	µg/L	5.050
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.02%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	228626	10.0000	µg/L	3.044
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.01%		
13C4-PFHpA	6.142	367.0 -> 322.0	217928	2.5000	µg/L	2.219
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.19%		
13C3-PFHxS	6.809	402.0 -> 80.0	28140	2.5000	µg/L	4.293
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.13%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12546	5.0000	µg/L	11.253
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.25%		
13C8-PFOA	6.662	421.0 -> 376.0	228523	2.5000	µg/L	1.163
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.75%		
13C3-PFHxS	6.809	402.0 -> 80.0	28140	2.5000	µg/L	4.293
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.13%		
13C9-PFNA	7.137	472.0 -> 427.0	123317	1.2500	µg/L	0.502
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.89%		
13C8-PFOS	7.756	507.0 -> 80.0	25118	2.5000	µg/L	1.510
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.14%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13085	5.0000	µg/L	6.311
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.10%		
13C6-PFDA	7.575	519.0 -> 474.0	137055	1.2500	µg/L	3.124
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.46%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	91074	5.0000	µg/L	-2.009

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.31%			
13C8-PFOS	7.756	507.0 -> 80.0	25118	2.5000	µg/L		1.510
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.14%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71220	5.0000	µg/L		-4.455
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.96%			
13C7-PFUnDA	8.011	570.0 -> 525.0	117972	1.2500	µg/L		2.261
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.58%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.816	615.0 -> 570.0	98899	1.2500	µg/L		-0.105
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.15%			
13C2-PFDoDA	8.424	615.0 -> 570.0	100139	1.2500	µg/L		-0.111
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.15%			
13C2-PFTDA	9.209	715.0 -> 670.0	97660	1.2500	µg/L		-0.099
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.15%			
13C8-PFOSA	9.897	506.0 -> 78.0	55181	2.5000	µg/L		0.890
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.26%			
2H7-MeFOSE	11.052	623.1 -> 59.0	279377	25.0000	µg/L		1.699
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.32%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18425	2.5000	µg/L		0.392
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.69%			
2H9-EtFOSE	11.420	639.1 -> 59.0	278546	25.0000	µg/L		1.372
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.98%			
2H5-N-EtFOSA	11.556	531.0 -> 219.0	20300	2.5000	µg/L		0.509
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.95%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	26870	0.8130	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 101.62%			
PFMPA	3.794	229.0 -> 85.0	9624	0.4061	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.51%			
3-3 FTCA	4.030	241.0 -> 177.0	1094	0.8396	µg/L		96
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 104.95%			
PFPeA	4.596	263.0 -> 219.0	20639	0.4058	µg/L	#	100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.45%			
PFMBA	4.910	279.0 -> 85.0	12901	0.4092	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 102.31%			
4-2 FTSA	5.239	327.0 -> 307.0	9870	0.7552	µg/L		95
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 100.69%			
NFDHA	5.390	295.0 -> 201.0	1199	0.3960	µg/L		88
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 99.00%			
PFHxA	5.480	313.0 -> 269.0	15081	0.2033	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 101.63%			
PFBS	5.495	298.9 -> 80.0	3739	0.1833	µg/L		97
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 103.32%			
HFPO-DA	5.736	285.0 -> 169.0	9144	0.4058	µg/L		94
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.45%			
PFEESA	5.860	314.9 -> 135.0	20079	0.3509	µg/L		99
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 98.56%			
5-3 FTCA	6.132	341.0 -> 237.0	23419	4.1522	µg/L		95
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.80%			
PFHpA	6.142	363.0 -> 319.0	15860	0.2025	µg/L		99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 101.27%			
PFPeS	6.240	348.9 -> 80.0	2442	0.1900	µg/L		98
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 100.97%			
DONA	6.333	377.0 -> 251.0	36354	0.3840	µg/L		94
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 101.58%			

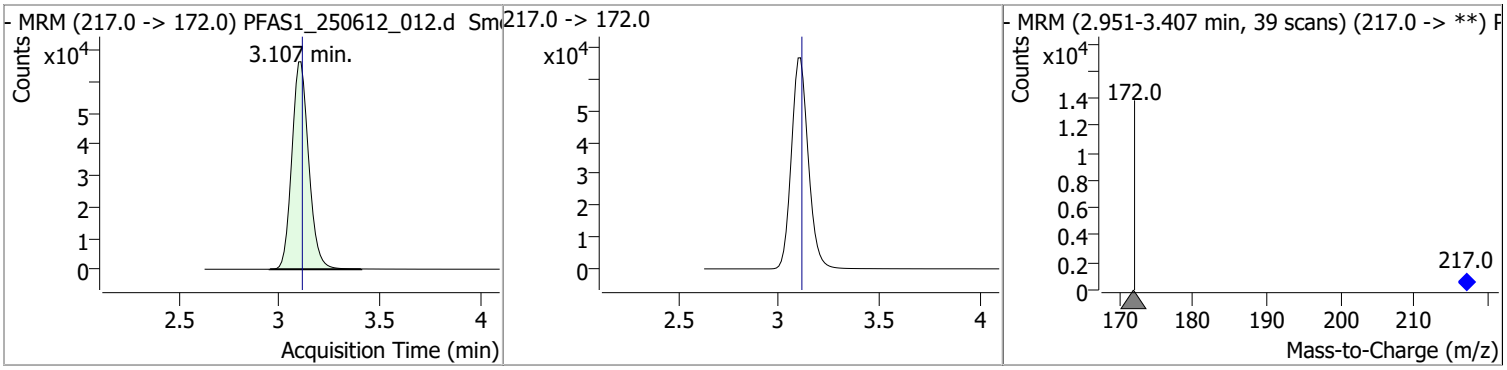
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	8252	0.7559	µg/L	95
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 99.46%		
PFOA	6.663	413.0 -> 369.0	17238	0.2018	µg/L	98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.91%		
PFHxS	6.810	398.9 -> 80.0	2201	0.1841	µg/L	98
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 100.68%		
PFNA	7.138	463.0 -> 419.0	18001	0.2055	µg/L	98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.75%		
PFHpS	7.295	448.9 -> 80.0	1994	0.1924	µg/L	93
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 100.94%		
8-2 FTSA	7.373	527.0 -> 507.0	6836	0.7499	µg/L	95
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 97.64%		
7-3 FTCA	7.463	441.0 -> 317.0	25856	4.1547	µg/L	98
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.87%		
PFDA	7.576	513.0 -> 469.0	19499	0.2027	µg/L	97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 101.33%		
N-MeFOSAA	7.704	570.0 -> 419.0	3373	0.2075	µg/L	96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 103.73%		
PFOS	7.758	498.9 -> 80.0	2433	0.1891	µg/L	92
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 101.88%		
N-EtFOSAA	7.939	584.0 -> 419.0	2674	0.2042	µg/L	88
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.09%		
PFUnDA	8.012	563.0 -> 519.0	18059	0.2041	µg/L	92
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.06%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	27281	0.3706	µg/L	99
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 99.10%		
PFNS	8.204	548.9 -> 80.0	2141	0.1983	µg/L	99
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 103.08%		
PFDoDA	8.424	613.0 -> 569.0	15366	0.2002	µg/L	98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.11%		
PFDS	8.618	598.9 -> 80.0	1535	0.1918	µg/L	98
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 99.37%		
PFTrDA	8.829	663.0 -> 619.0	14563	0.2005	µg/L	100
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.27%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	18787	0.3776	µg/L	99
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 99.88%		
PFTDA	9.210	712.9 -> 669.0	13844	0.1989	µg/L	95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 99.46%		
PFDoS	9.368	698.9 -> 80.0	1033	0.1991	µg/L	92
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 102.65%		
PFOSA	9.900	497.9 -> 78.0	4042	0.2025	µg/L	98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 101.27%		
MeFOSE	11.077	616.0 -> 59.0	21709	1.9556	µg/L	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.78%		
N-MeFOSA	11.191	512.0 -> 219.0	1476	0.2055	µg/L	95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.74%		
EtFOSE	11.457	630.0 -> 59.0	22241	1.9389	µg/L	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.94%		
N-EtFOSA	11.569	526.0 -> 219.0	1601	0.2052	µg/L	99
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.61%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

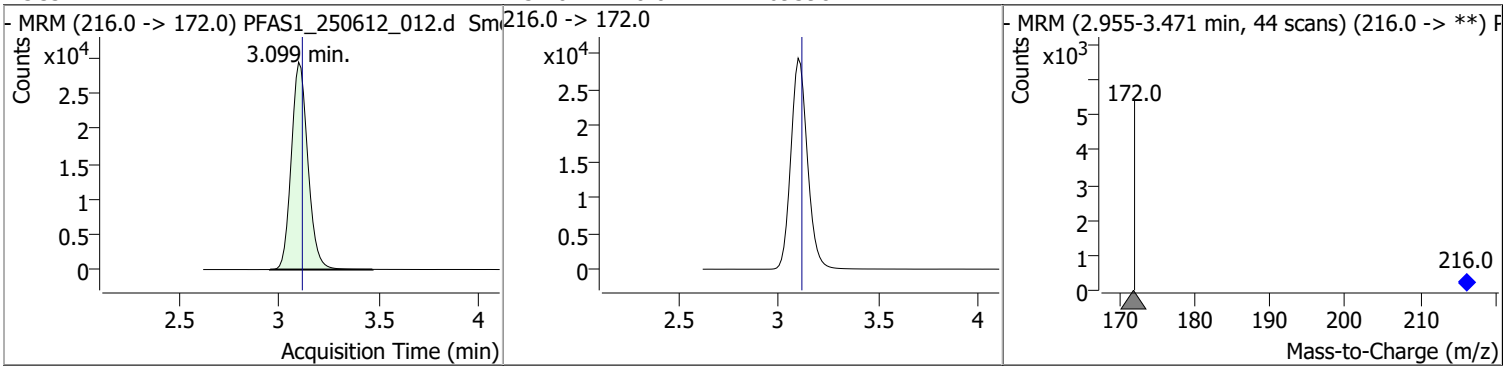
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8130	3.10	0.00	26870				



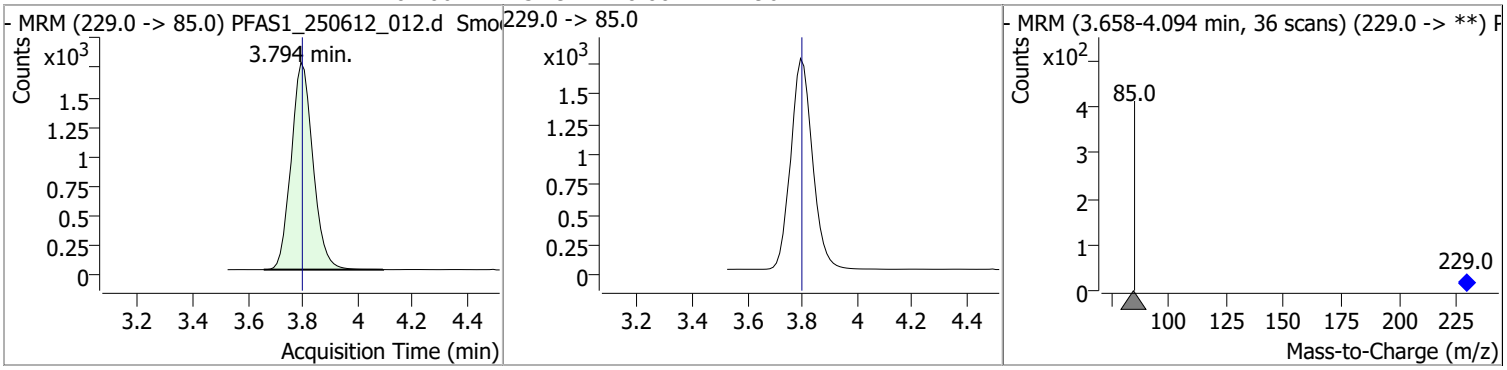
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9209	3.11	0.00	388015				



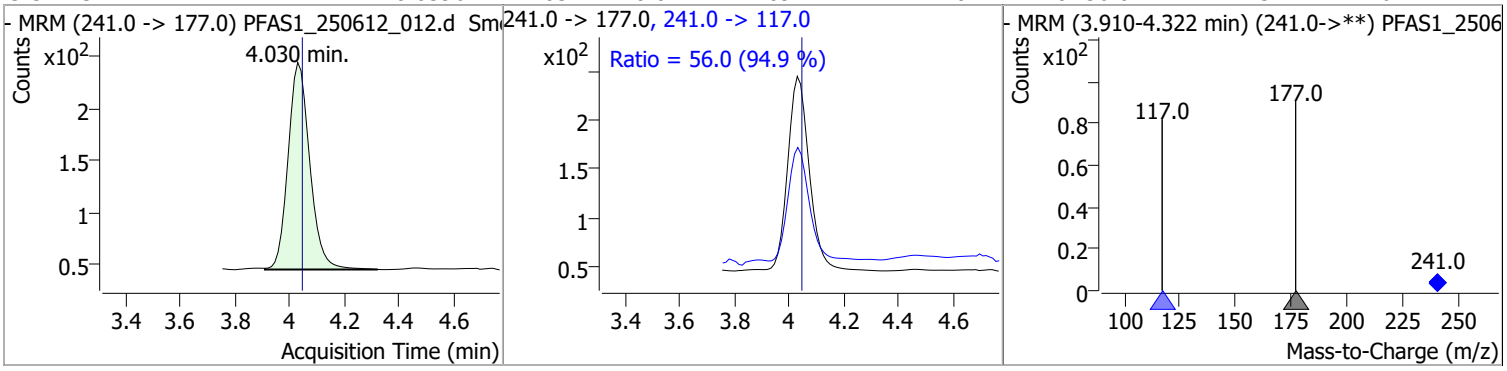
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	169398				



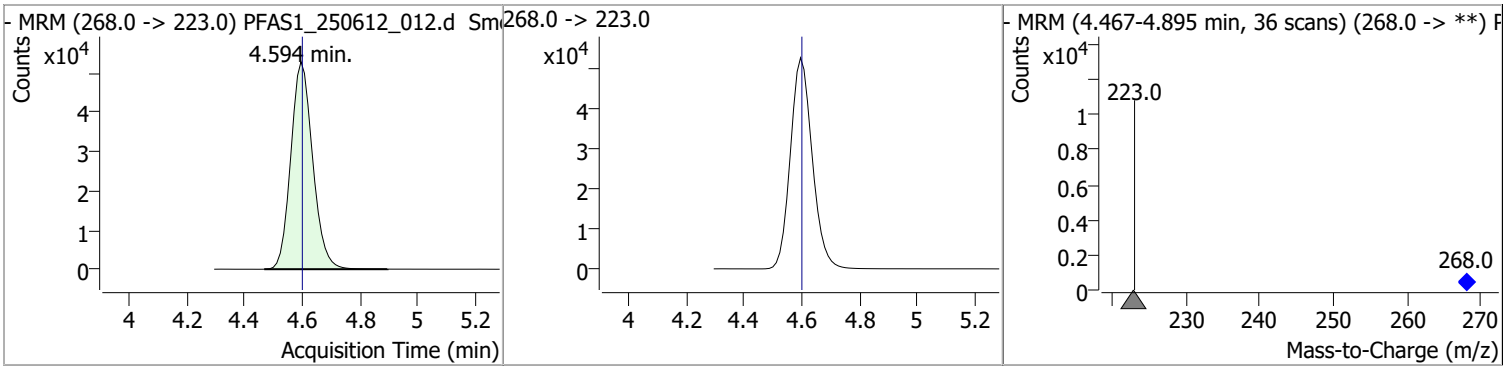
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4061	3.79	0.00	9624				



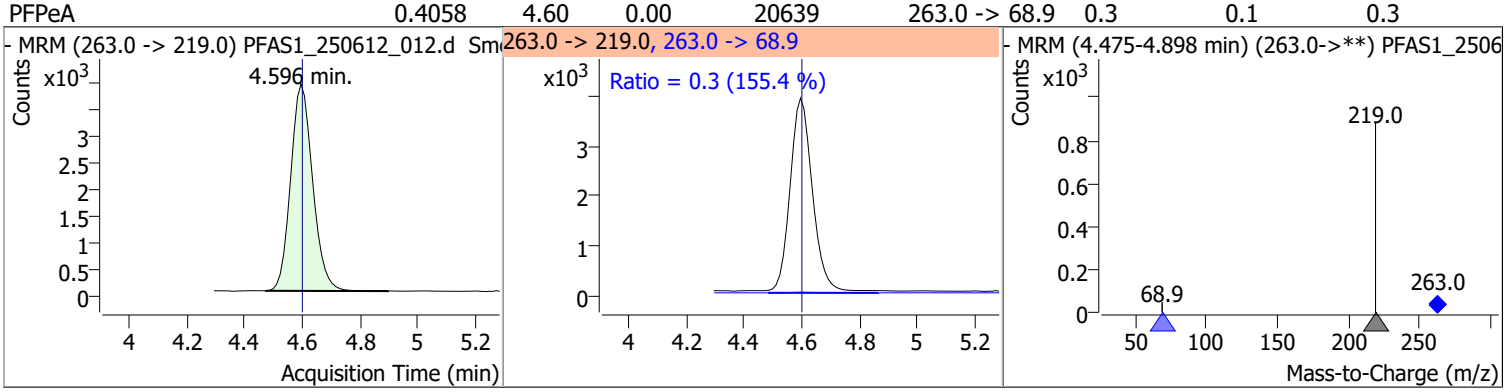
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.8396	4.03	-0.01	1094	241.0 -> 117.0	56.0	41.3	76.7



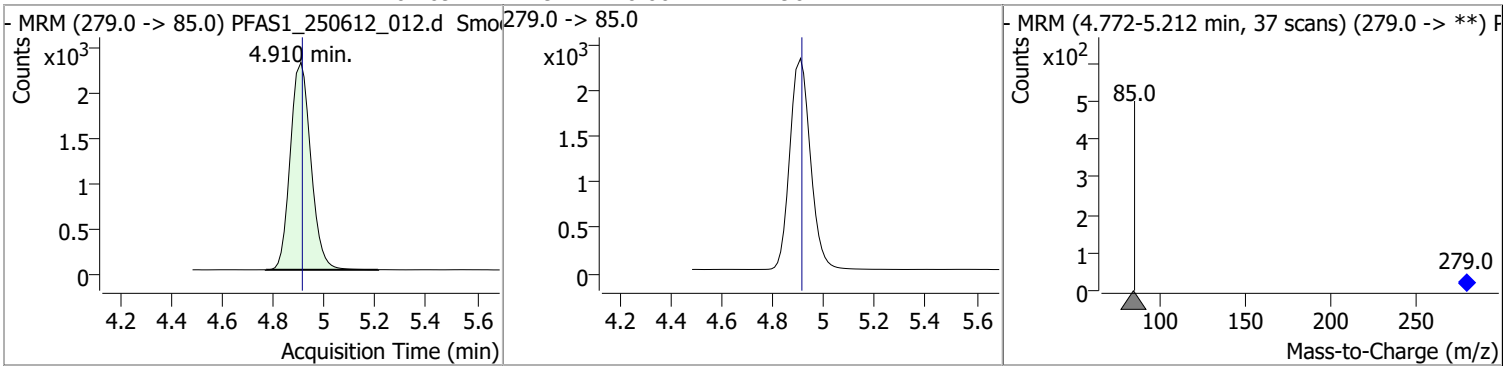
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0607	4.59	0.00	278351				



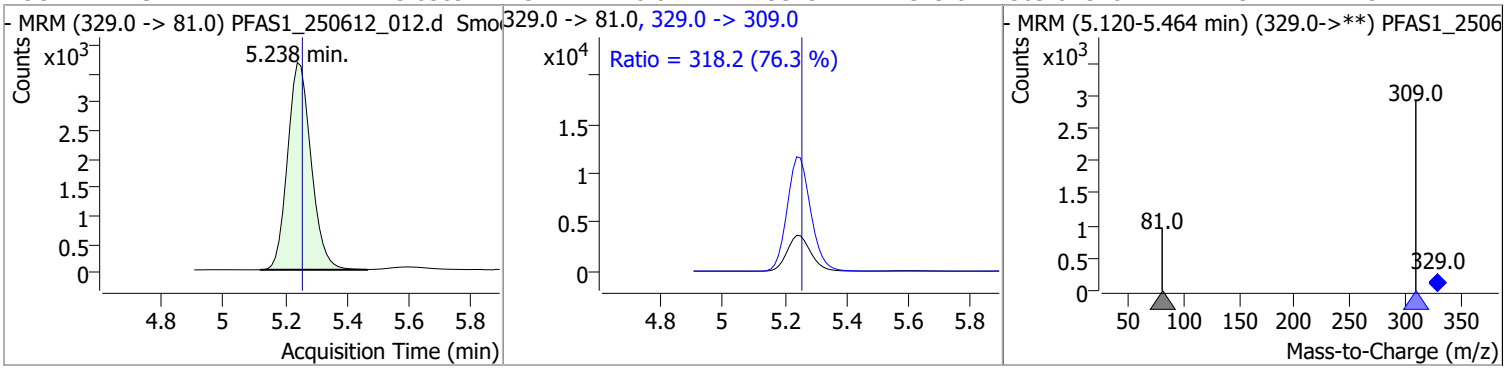
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4058	4.60	0.00	20639	263.0 -> 68.9	0.3	0.1	0.3



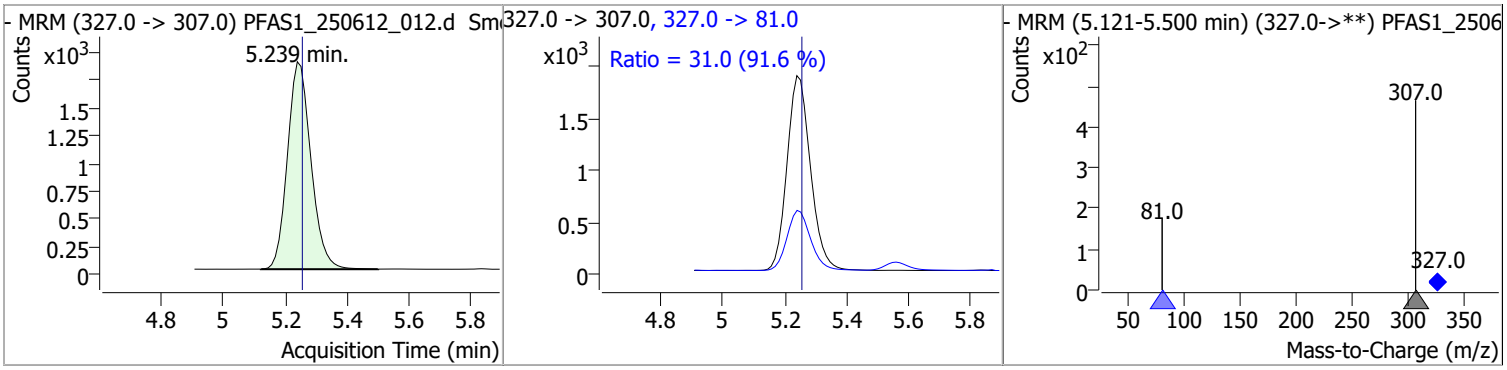
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4092	4.91	0.00	12901				



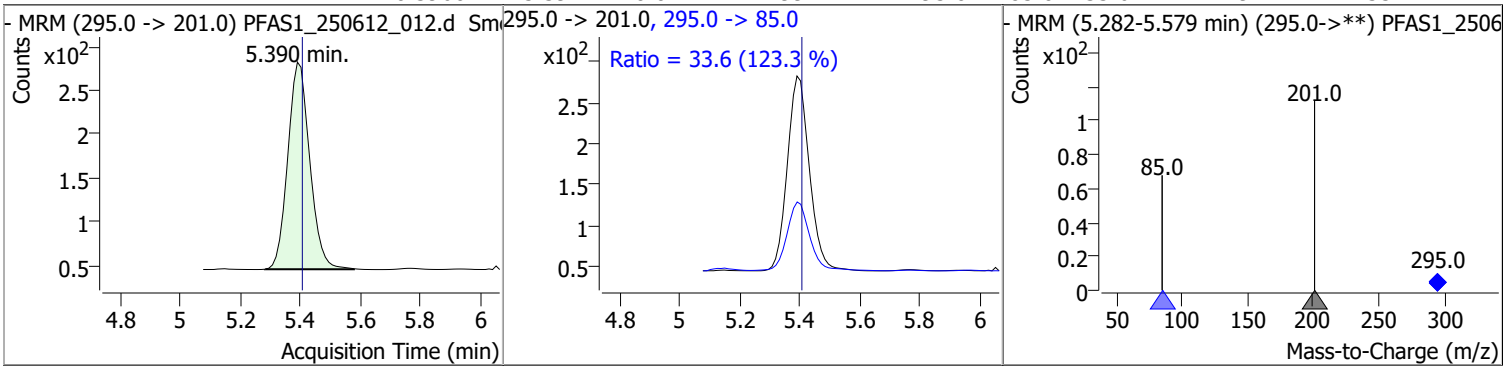
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.8389	5.24	-0.01	19315	329.0 -> 309.0	318.2	292.1	542.4



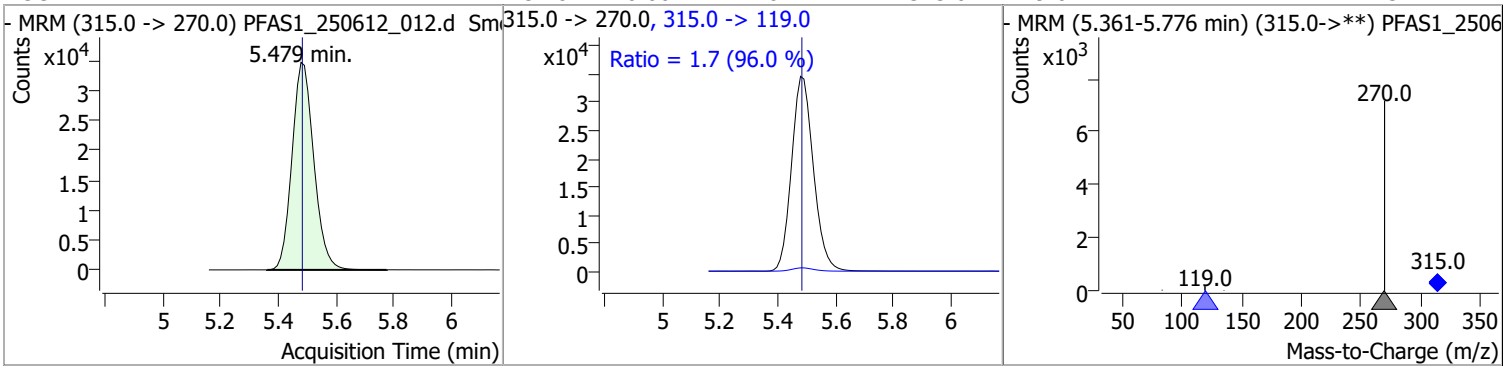
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7552	5.24	-0.01	9870	327.0 -> 81.0	31.0	23.6	43.9



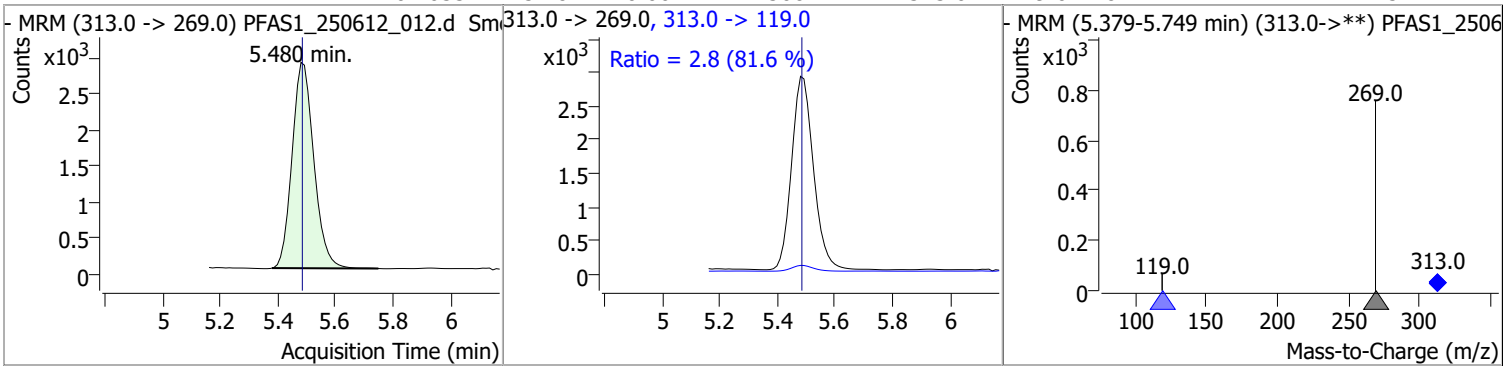
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.3960	5.39	-0.01	1199	295.0 -> 85.0	33.6	19.1	35.4



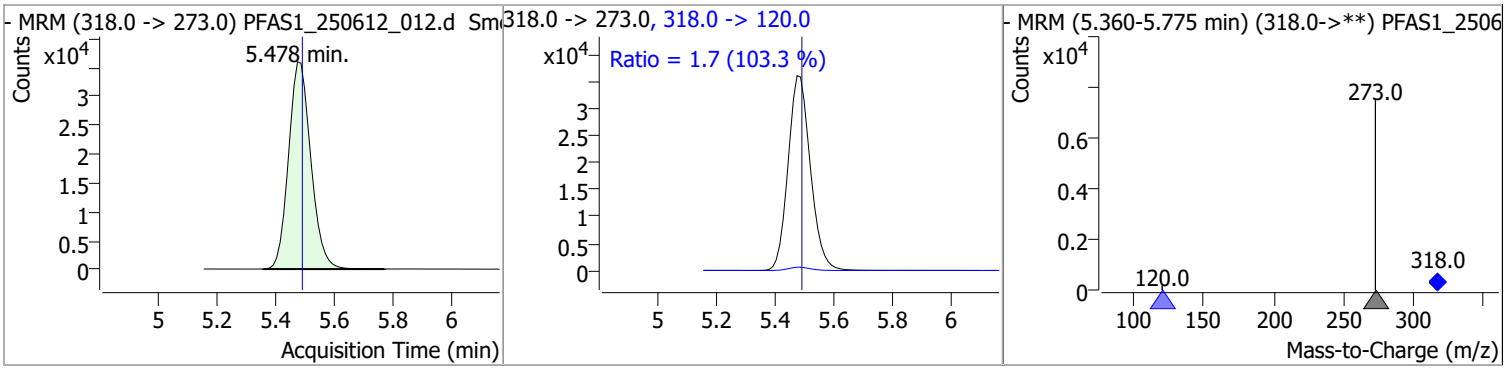
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	182214	315.0 -> 119.0	1.7	1.2	2.3



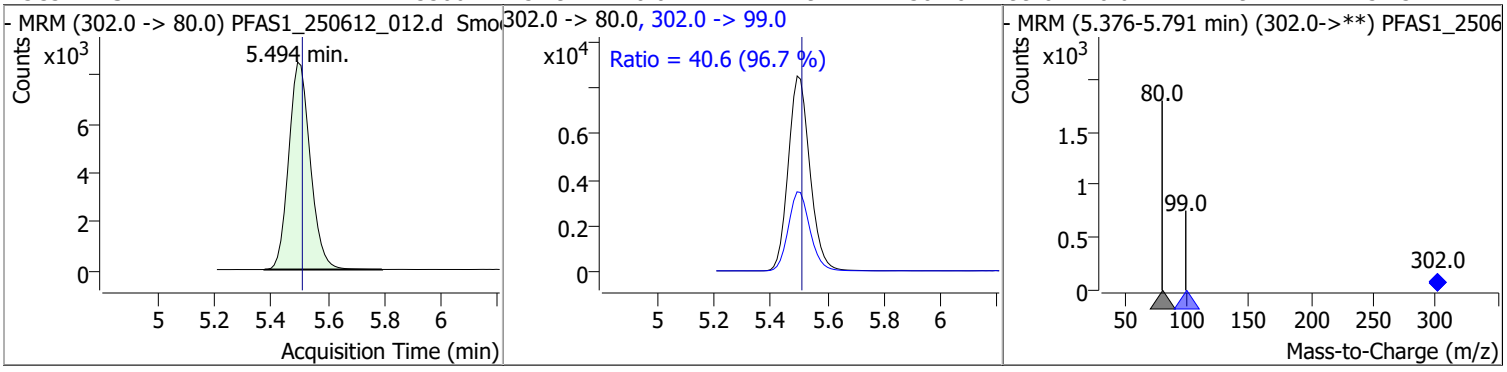
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2033	5.48	0.00	15081	313.0 -> 119.0	2.8	2.4	4.5



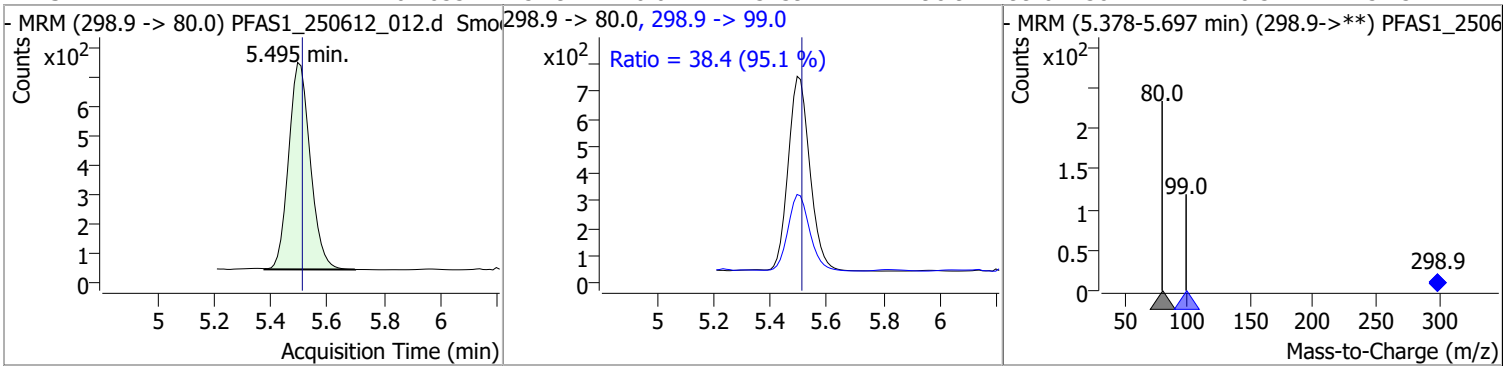
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5289	5.48	-0.01	189841	318.0 -> 120.0	1.7	1.1	2.1



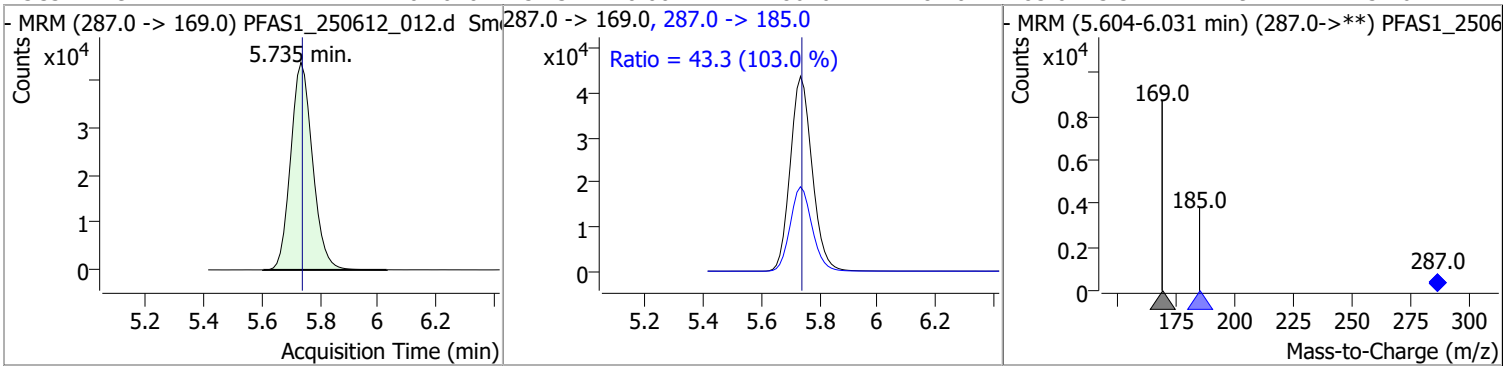
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5506	5.49	-0.01	44779	302.0 -> 99.0	40.6	29.4	54.5



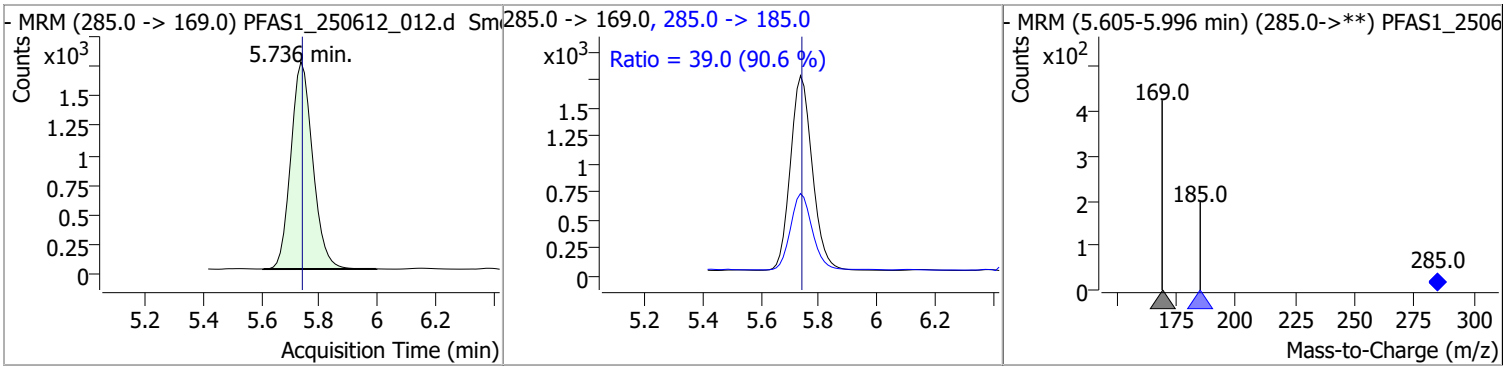
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1833	5.49	-0.01	3739	298.9 -> 99.0	38.4	28.3	52.5



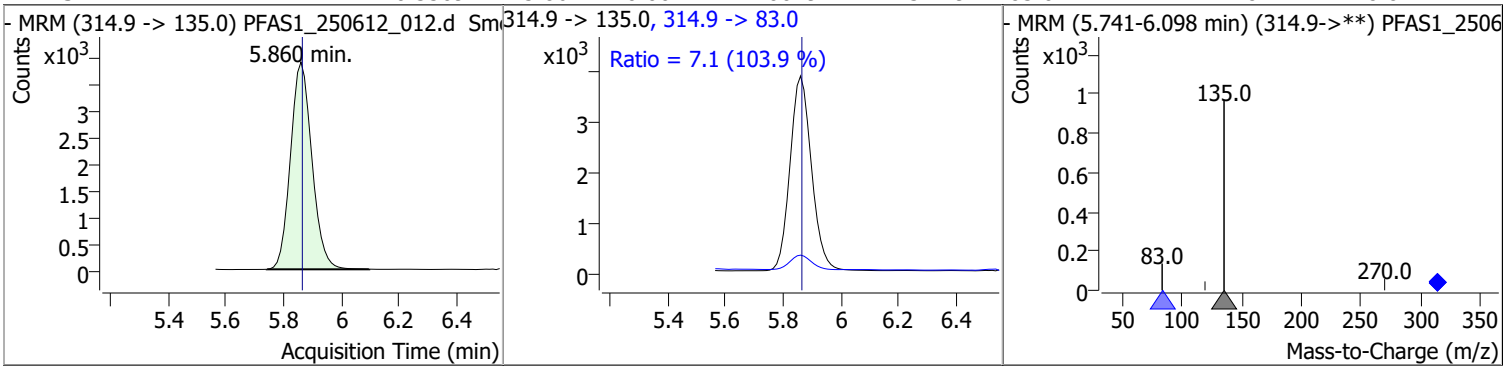
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.1010	5.73	0.00	228626	287.0 -> 185.0	43.3	29.4	54.6



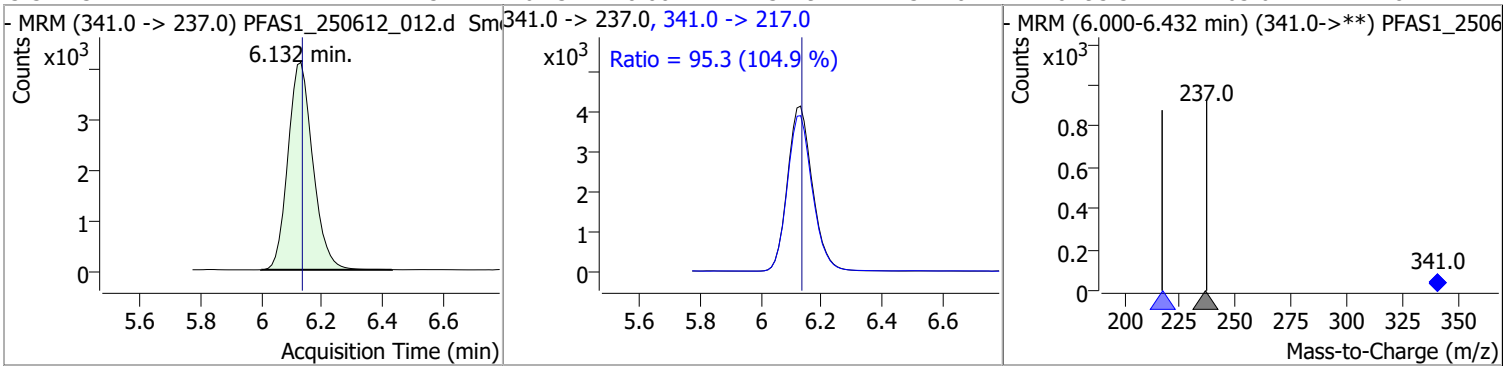
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.4058	5.74	0.00	9144	285.0 -> 185.0	39.0	30.1	56.0



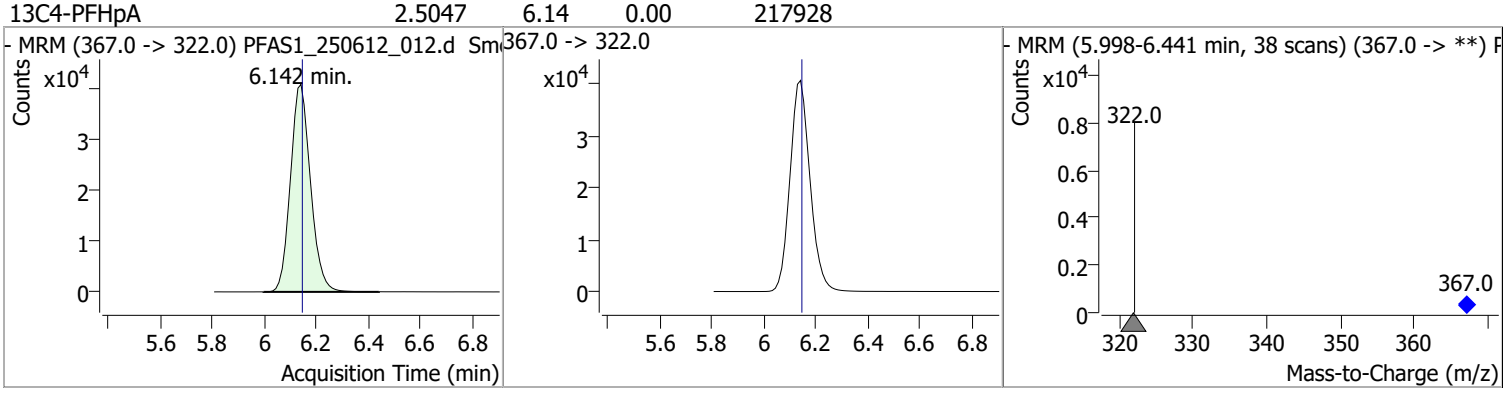
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.3509	5.86	0.00	20079	314.9 -> 83.0	7.1	4.8	8.8



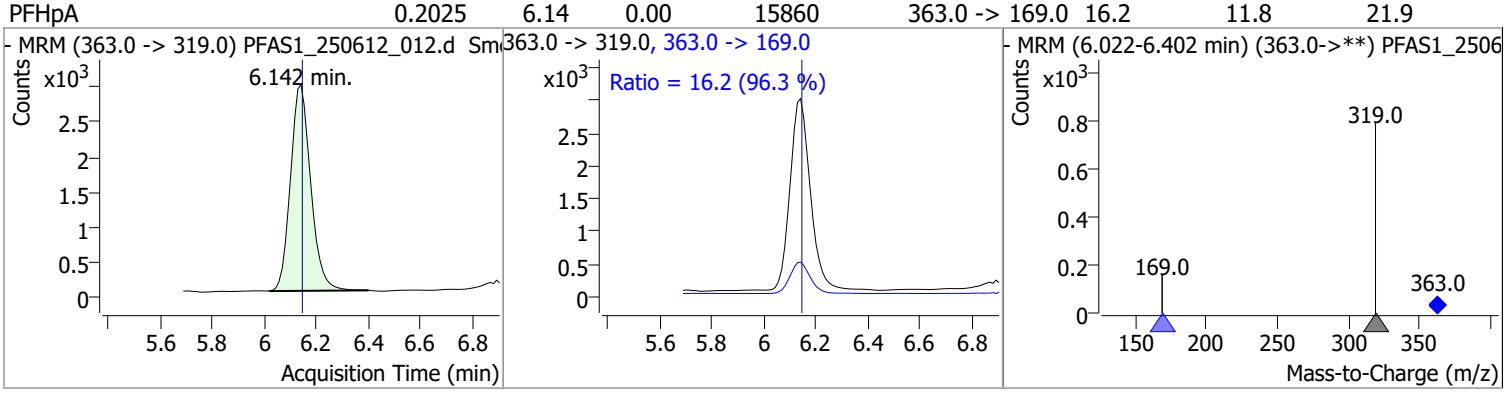
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	4.1522	6.13	0.00	23419	341.0 -> 217.0	95.3	63.6	118.1



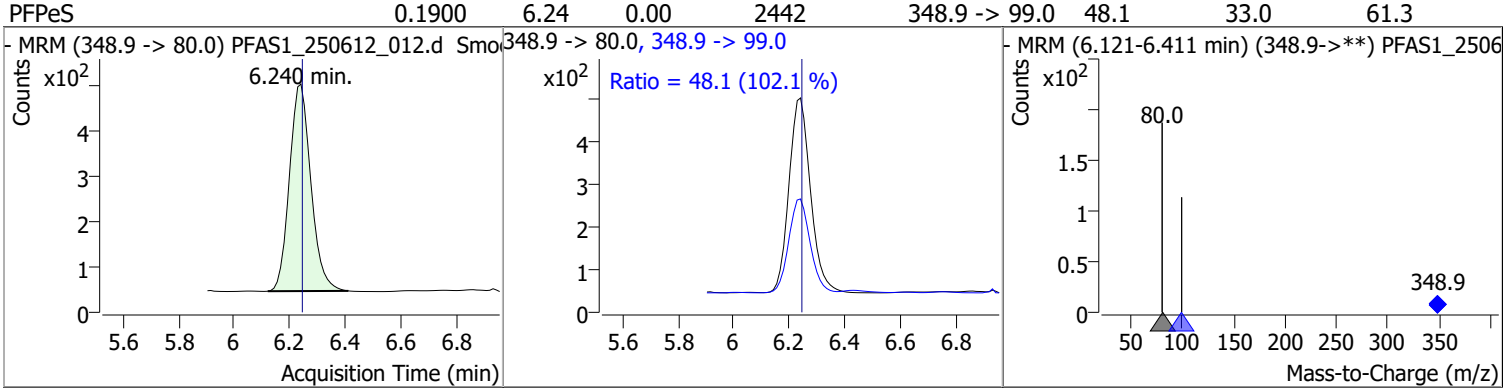
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5047	6.14	0.00	217928				



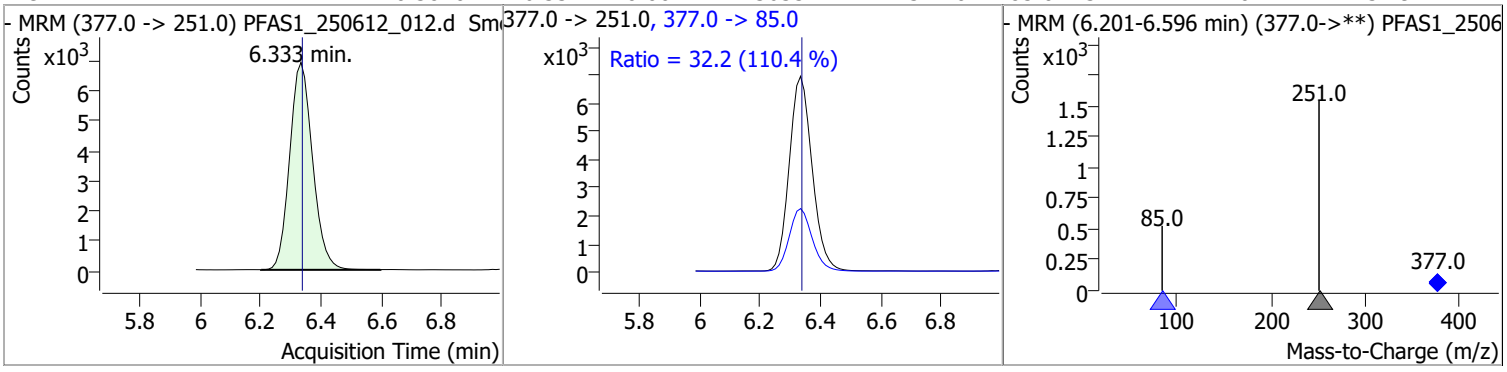
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2025	6.14	0.00	15860	363.0 -> 169.0	16.2	11.8	21.9



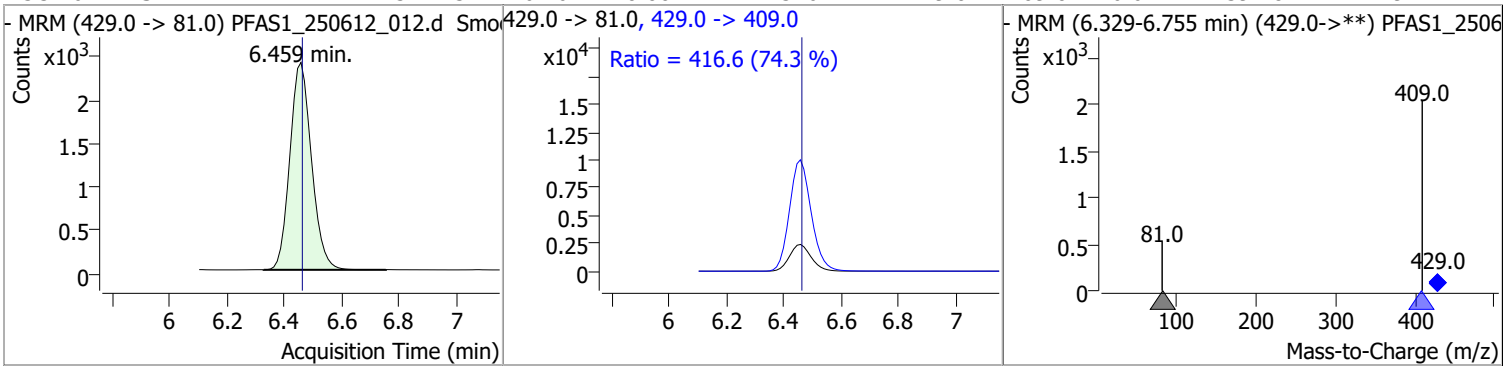
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.1900	6.24	0.00	2442	348.9 -> 99.0	48.1	33.0	61.3



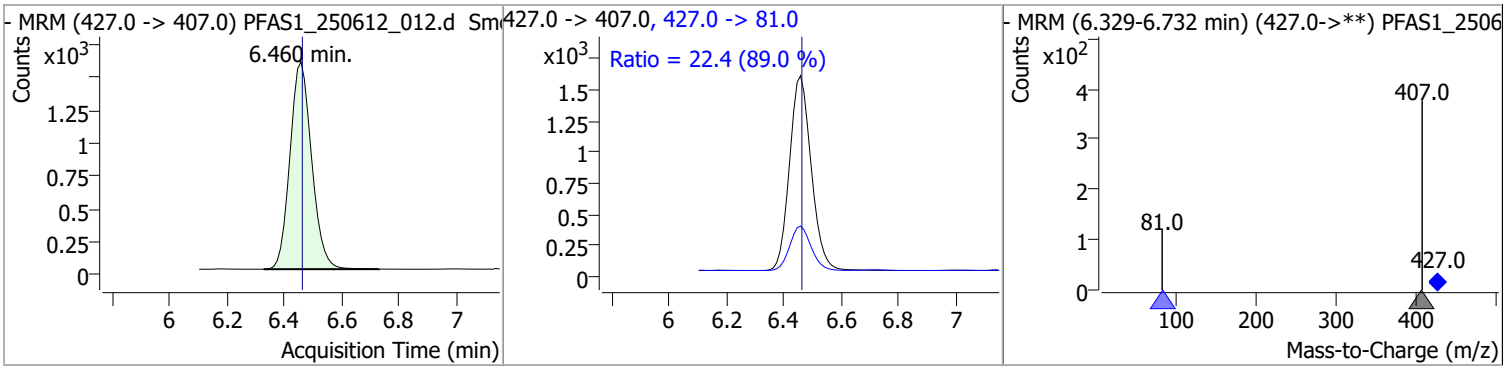
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.3840	6.33	0.00	36354	377.0 -> 85.0	32.2	20.4	37.9



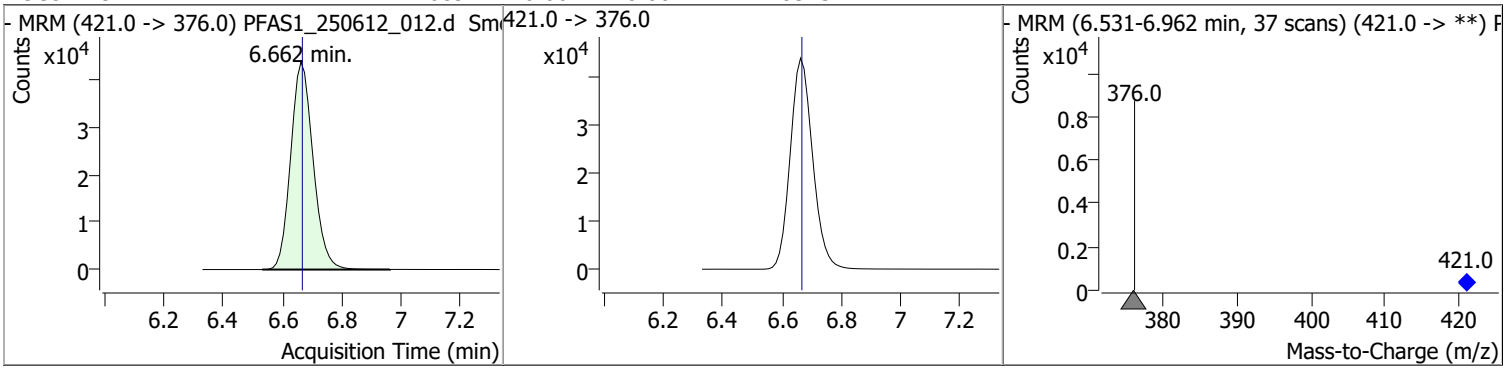
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.4123	6.46	0.00	12546	429.0 -> 409.0	416.6	392.8	729.4



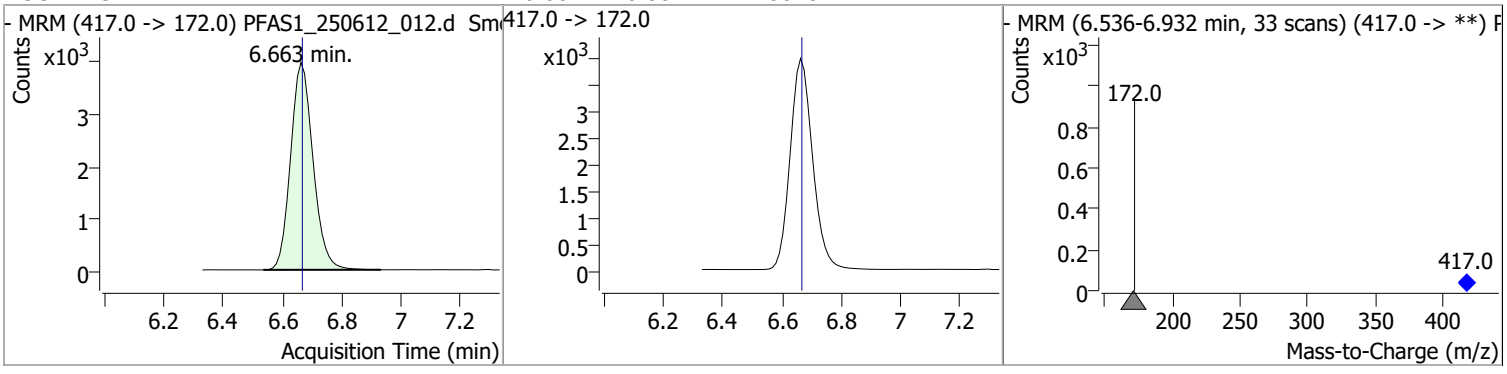
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.7559	6.46	0.00	8252	427.0 -> 81.0	22.4	17.7	32.8



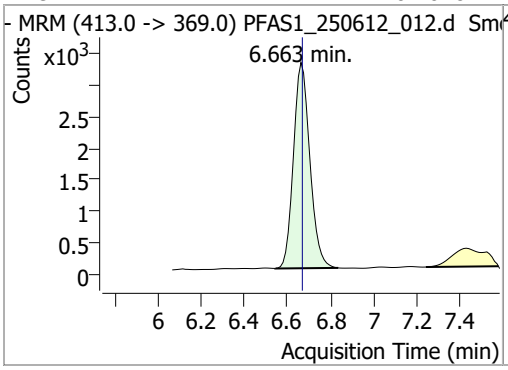
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4689	6.66	0.00	228523				

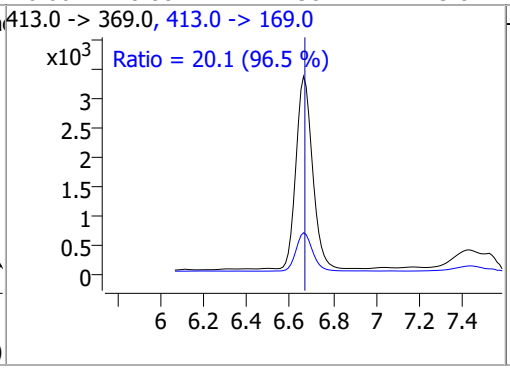


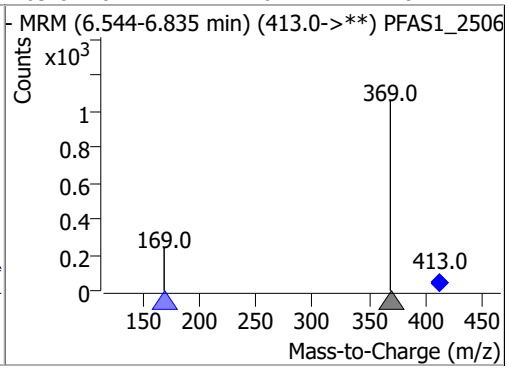
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	20670				



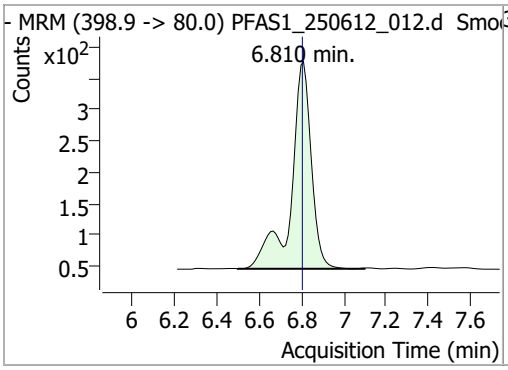
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2018	6.66	0.00	17238	413.0 -> 169.0	20.1	14.6	27.0

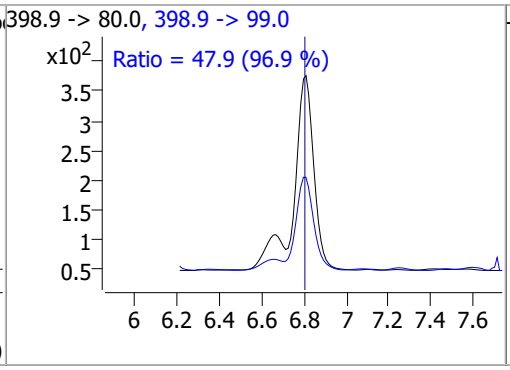


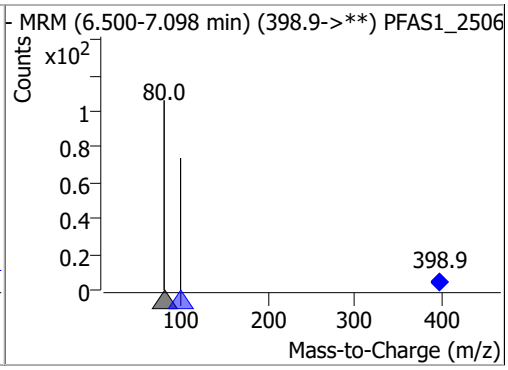




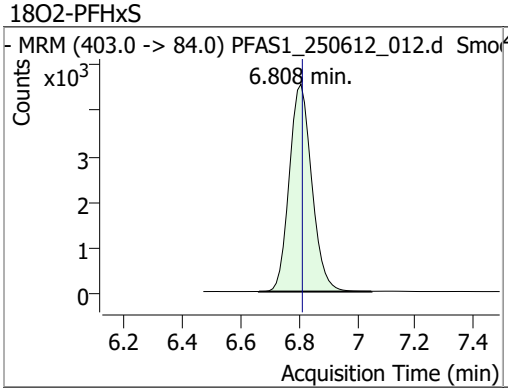
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1841	6.81	0.01	2201	398.9 -> 99.0	47.9	34.6	64.2

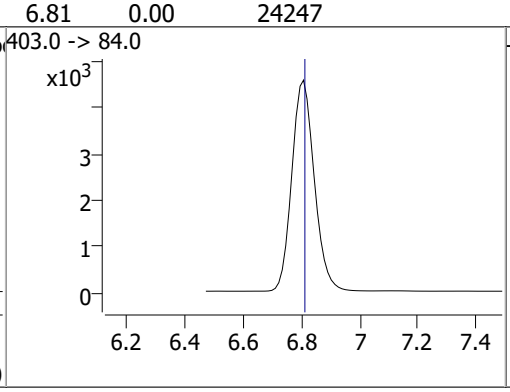


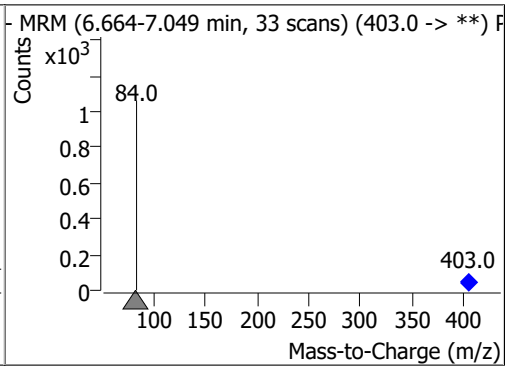




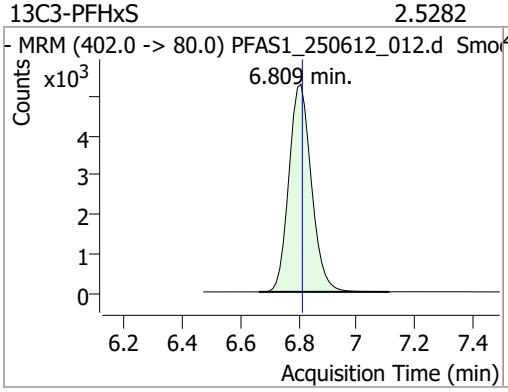
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24247				

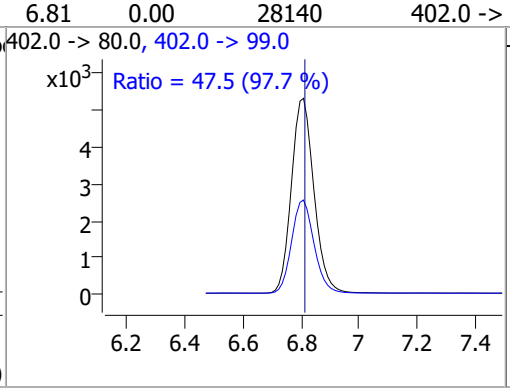


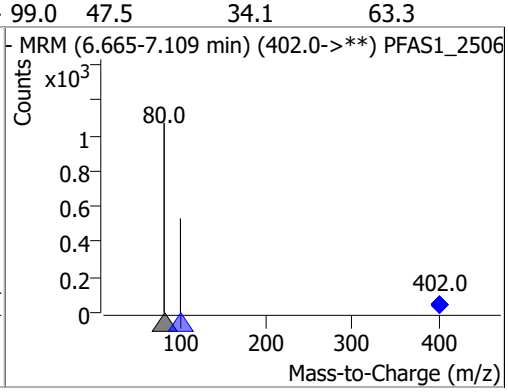




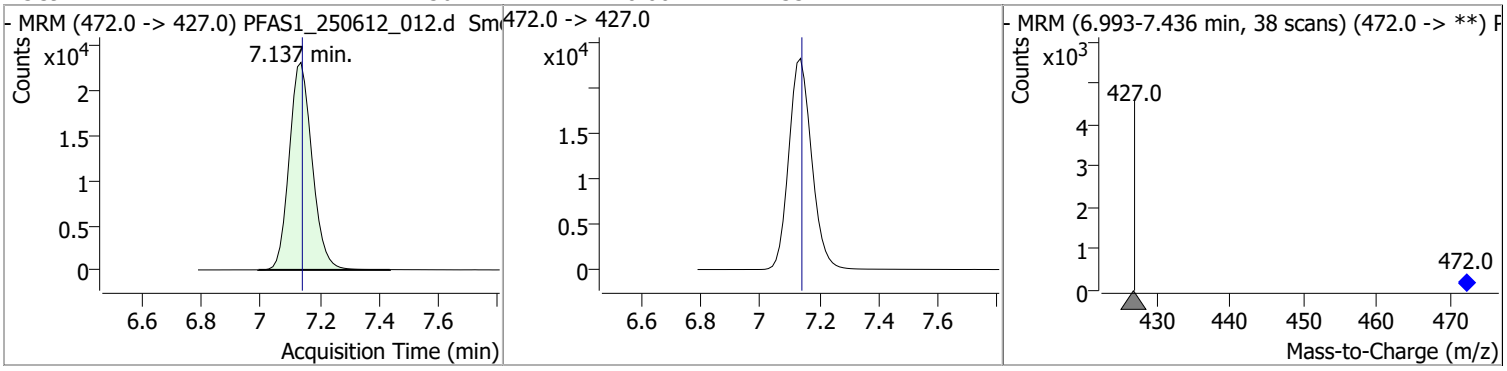
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5282	6.81	0.00	28140	402.0 -> 99.0	47.5	34.1	63.3



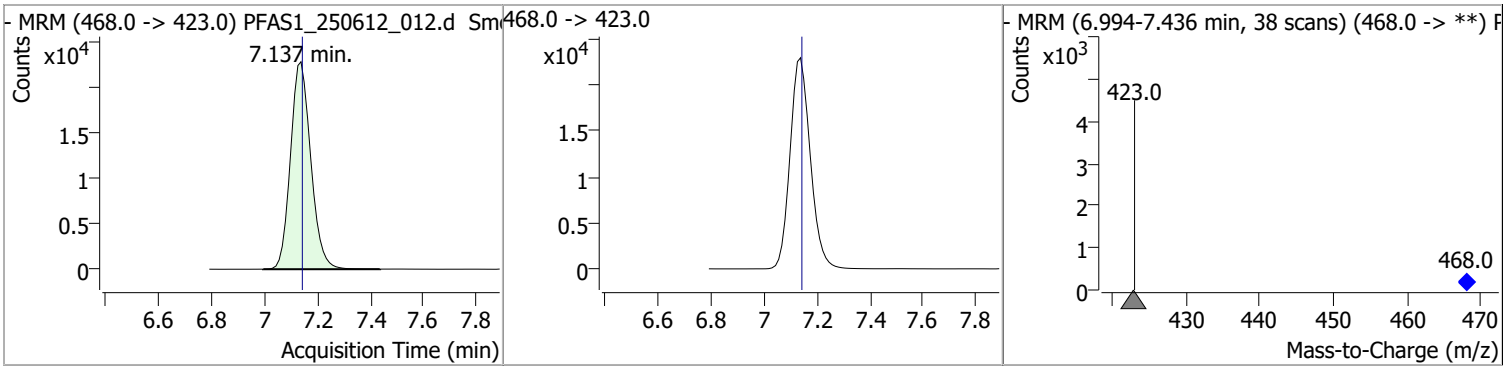




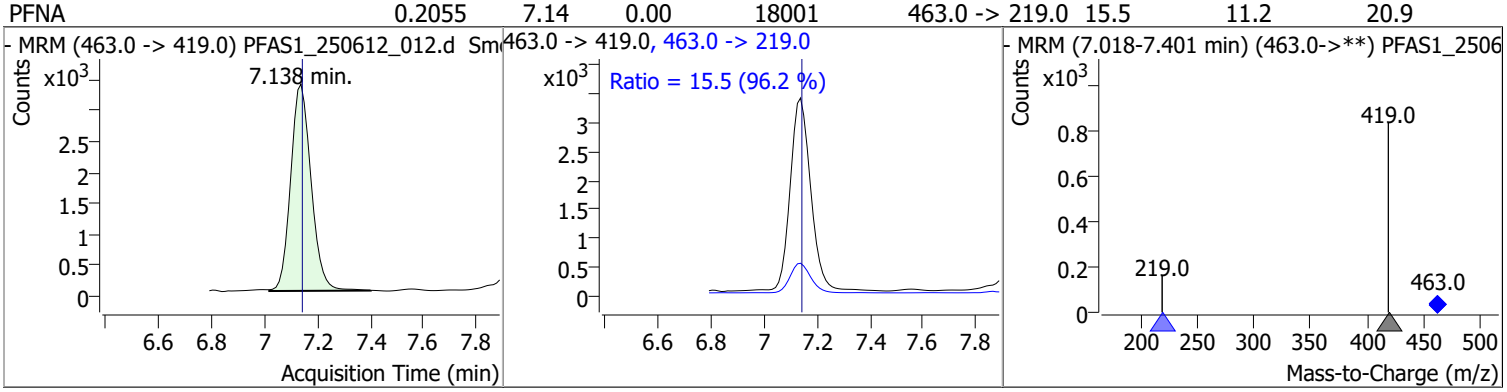
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2361	7.14	0.00	123317				



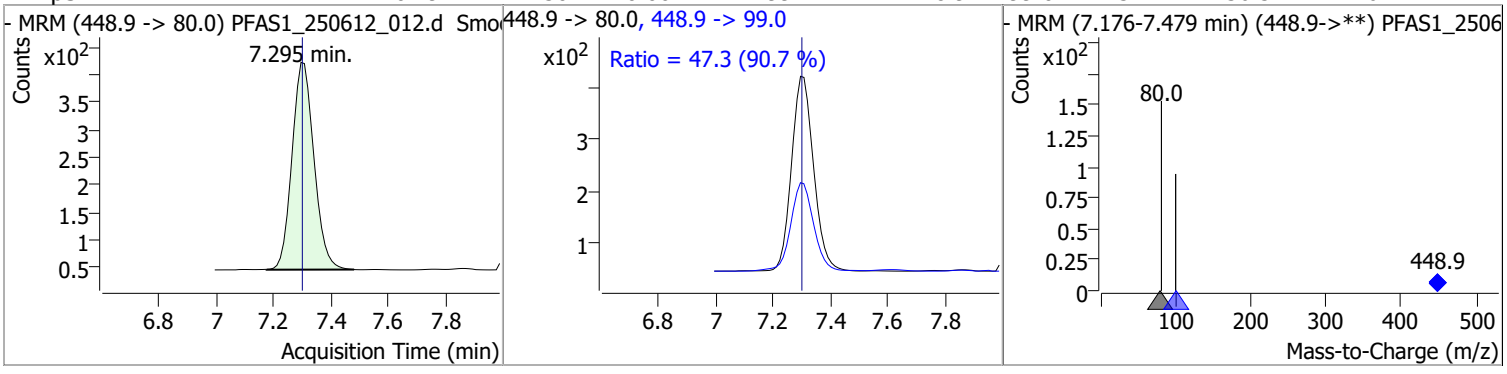
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	121665				



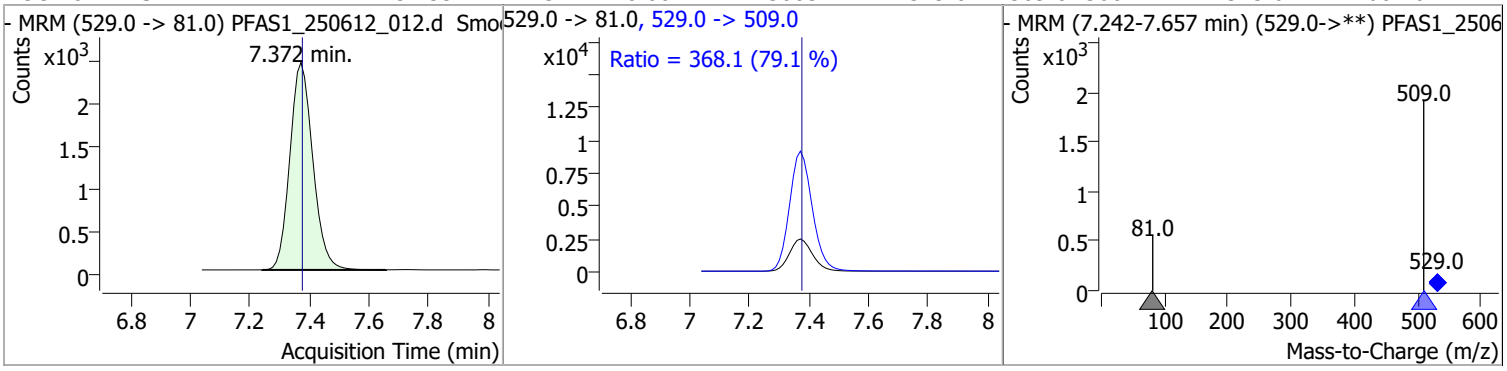
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.2055	7.14	0.00	18001	463.0 -> 219.0	15.5	11.2	20.9



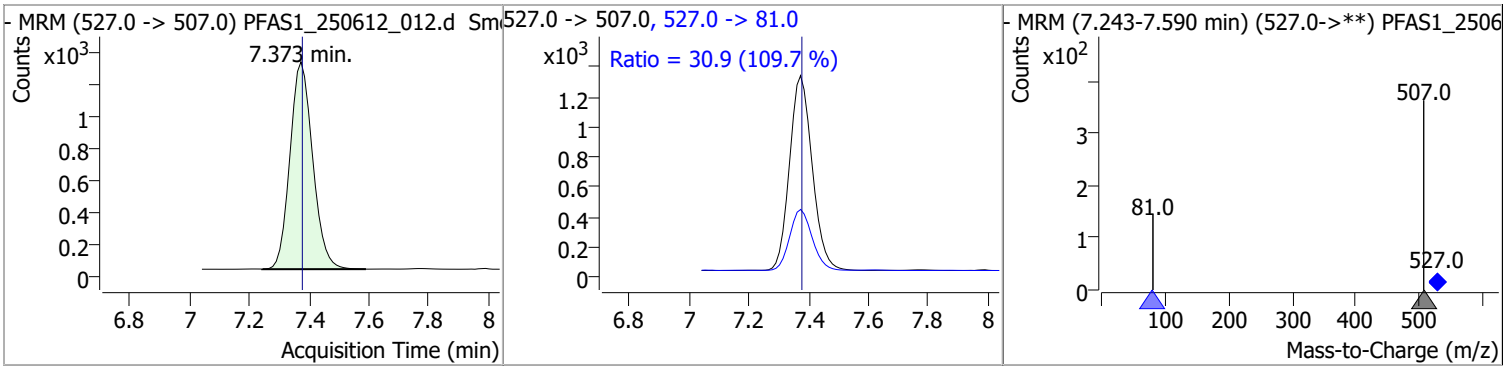
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1924	7.30	0.00	1994	448.9 -> 99.0	47.3	36.5	67.7



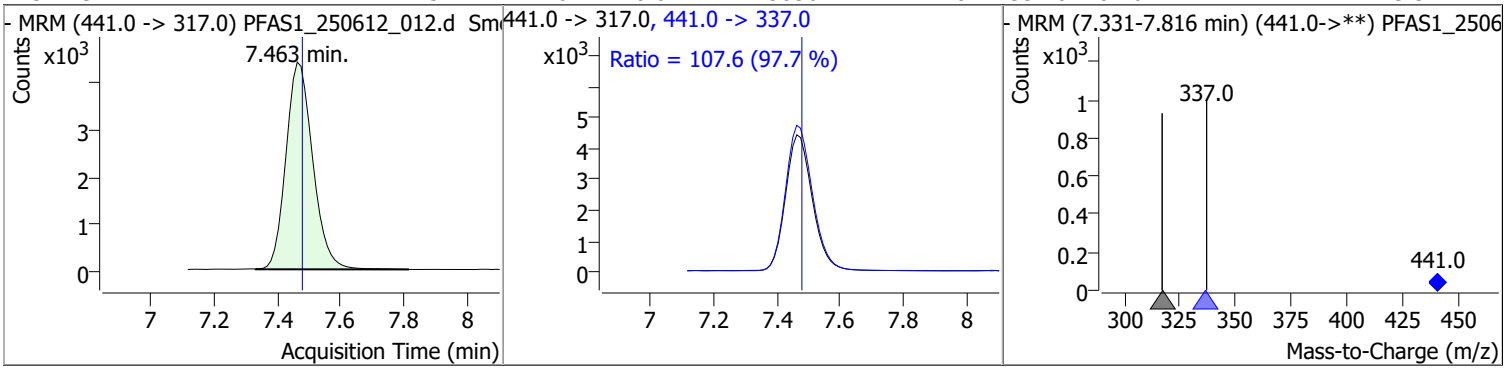
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.1552	7.37	0.00	13085	529.0 -> 509.0	368.1	325.6	604.6



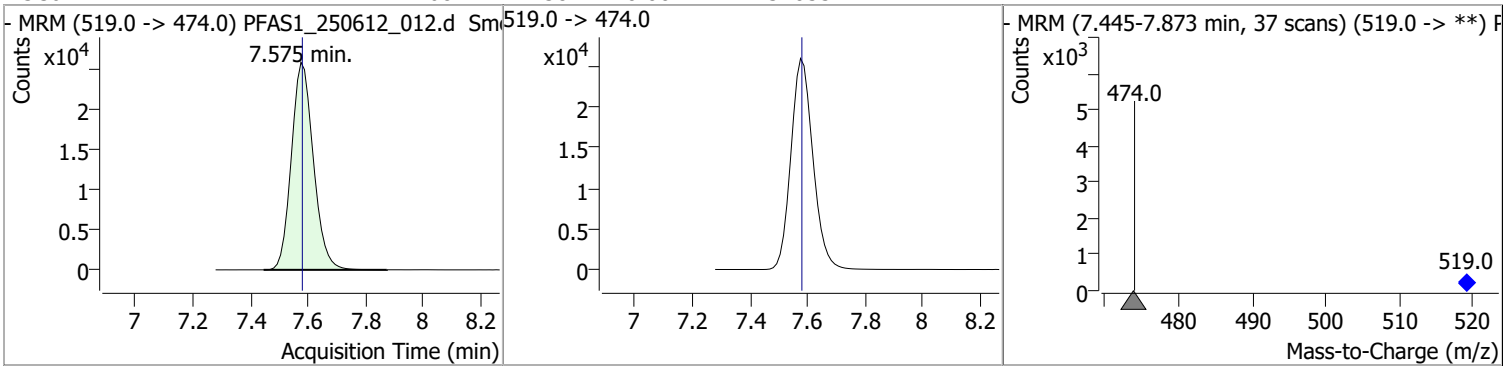
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.7499	7.37	0.00	6836	527.0 -> 81.0	30.9	19.7	36.6



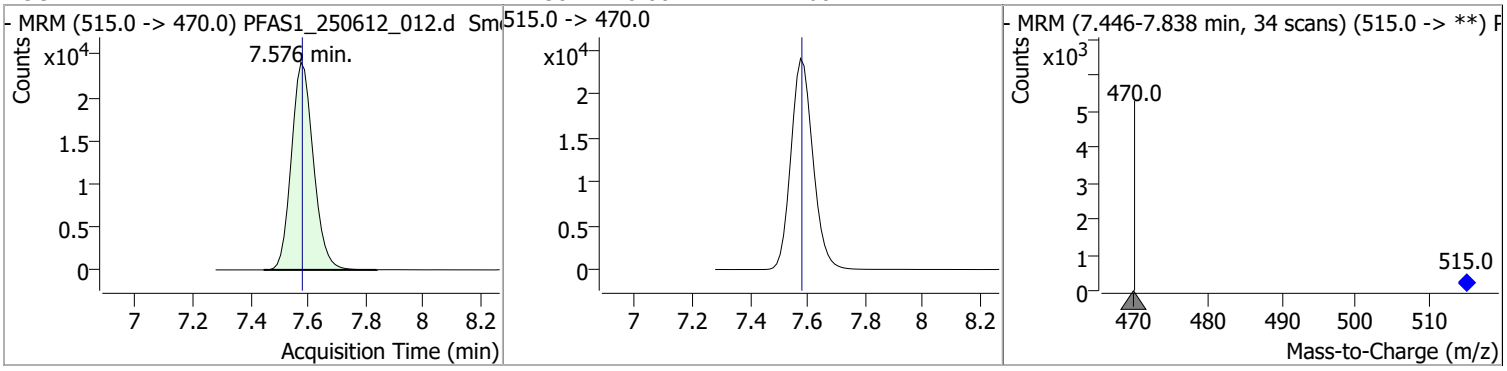
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.1547	7.46	-0.01	25856	441.0 -> 337.0	107.6	77.1	143.3



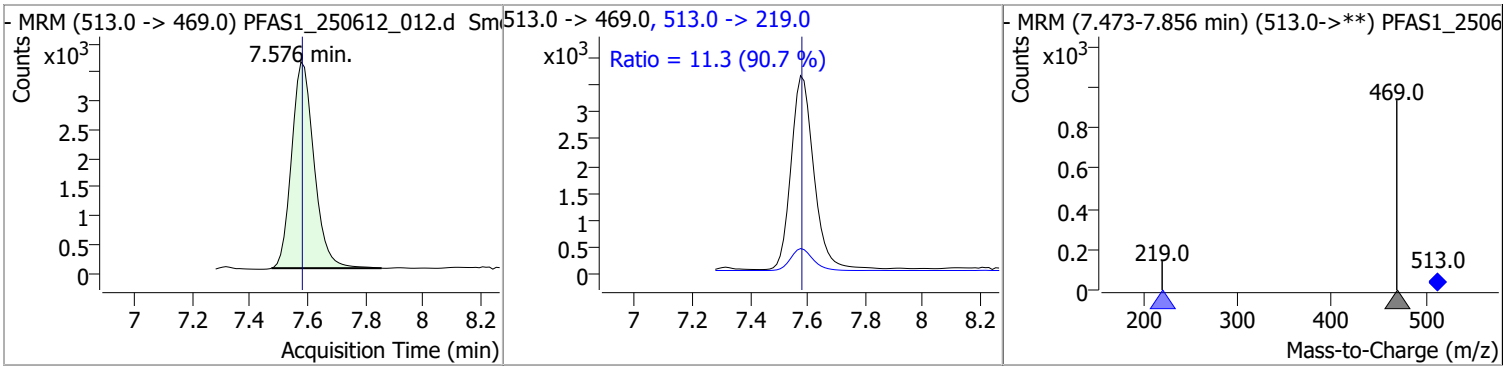
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2682	7.58	0.00	137055				



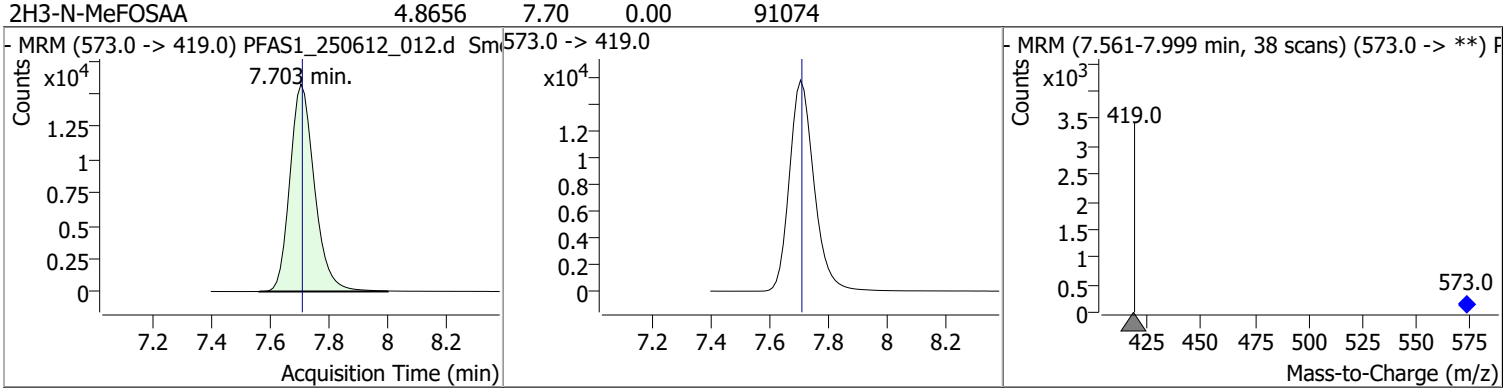
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	127260				



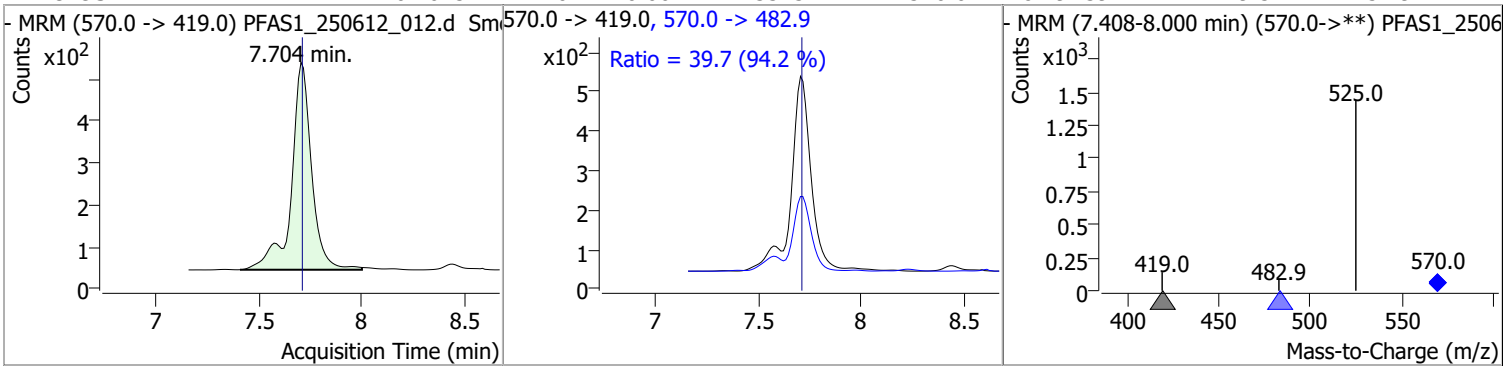
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.2027	7.58	0.00	19499	513.0 -> 219.0	11.3	8.7	16.2



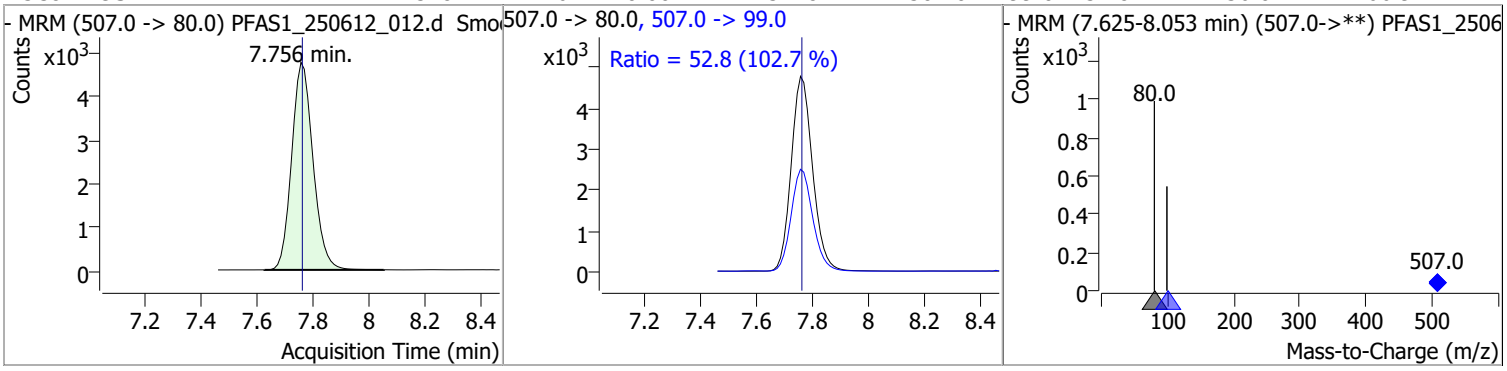
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8656	7.70	0.00	91074				



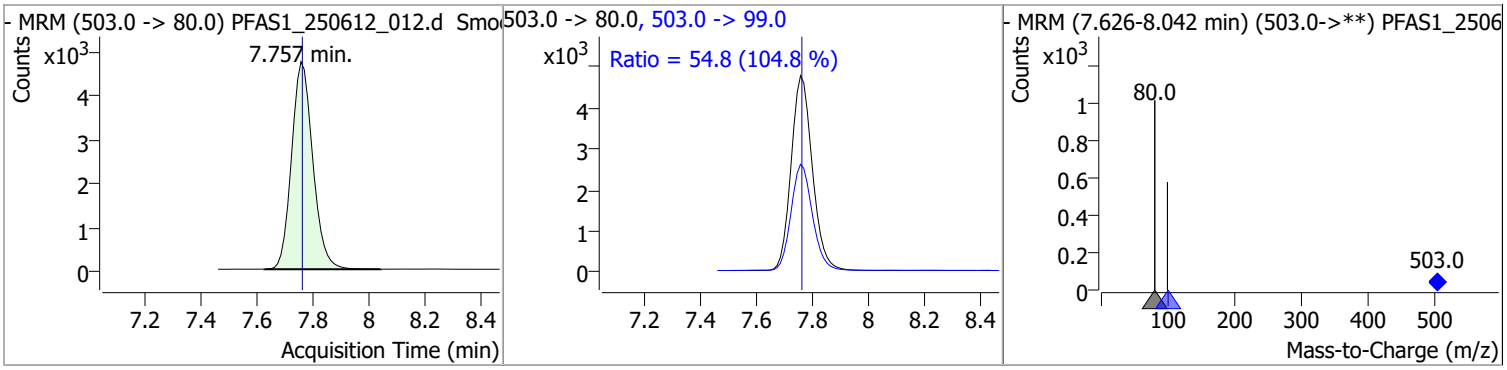
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.2075	7.70	0.00	3373	570.0 -> 482.9	39.7	29.5	54.9



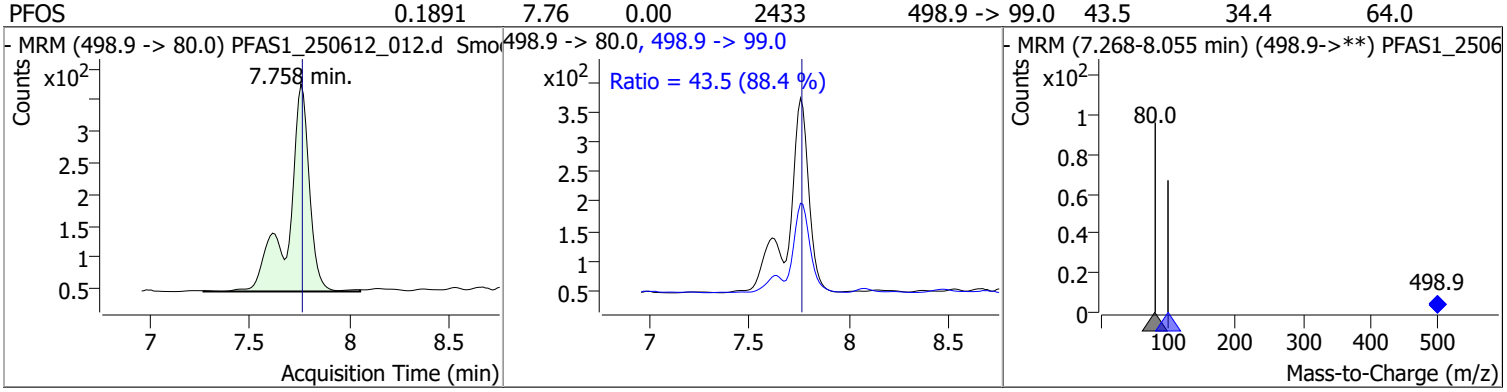
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5284	7.76	0.00	25118	507.0 -> 99.0	52.8	36.0	66.9



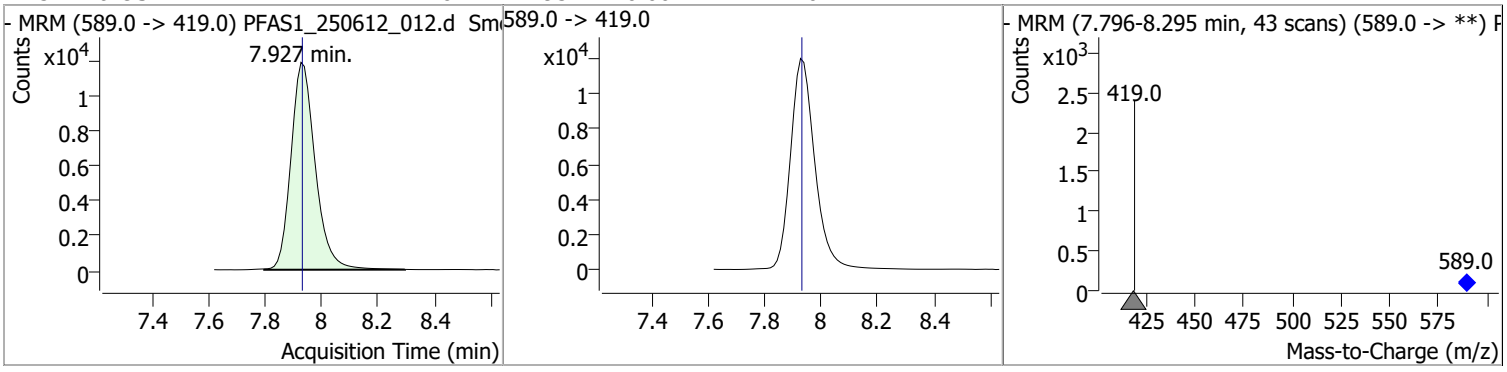
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25069	503.0 -> 99.0	54.8	36.6	67.9



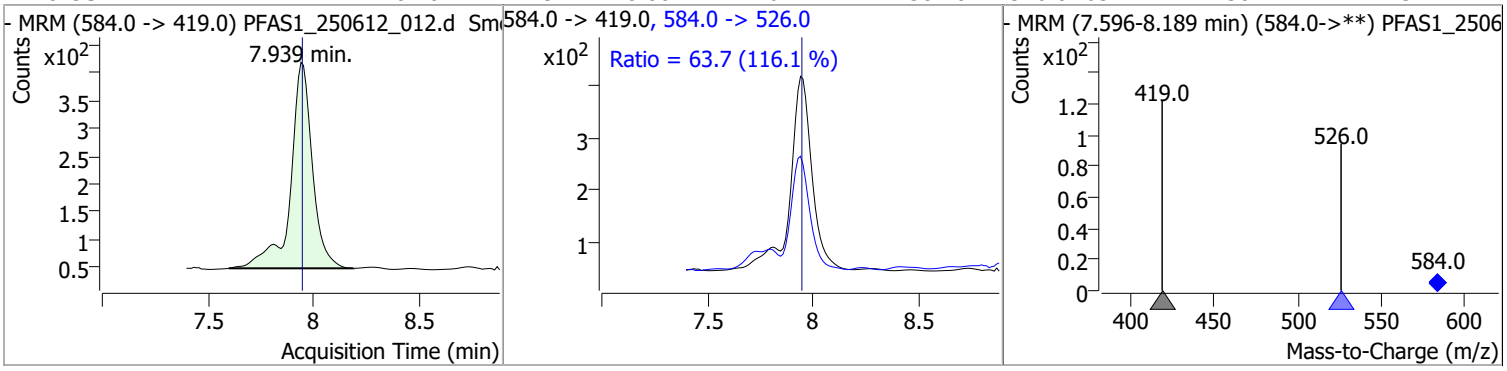
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1891	7.76	0.00	2433	498.9 -> 99.0	43.5	34.4	64.0



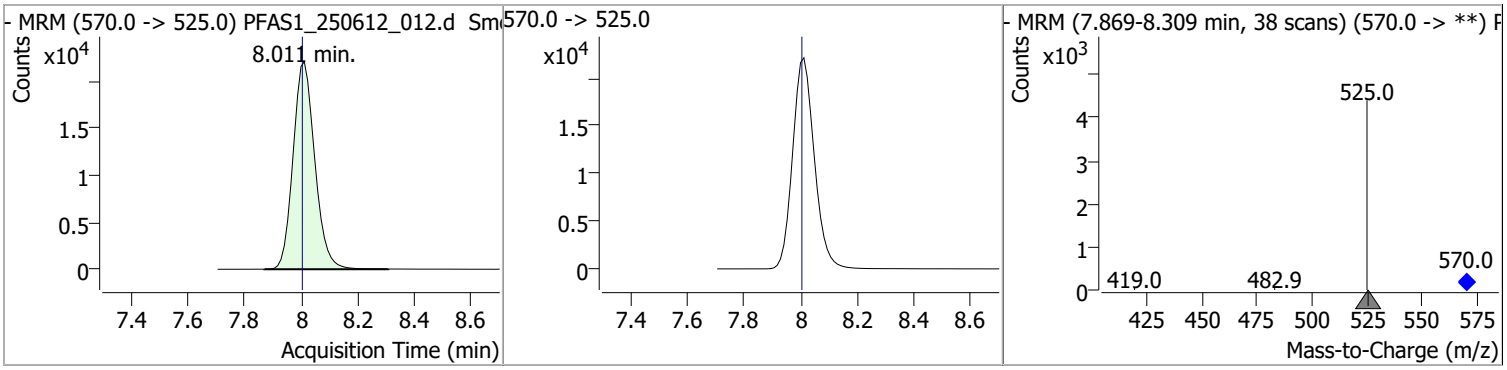
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7482	7.93	0.00	71220				



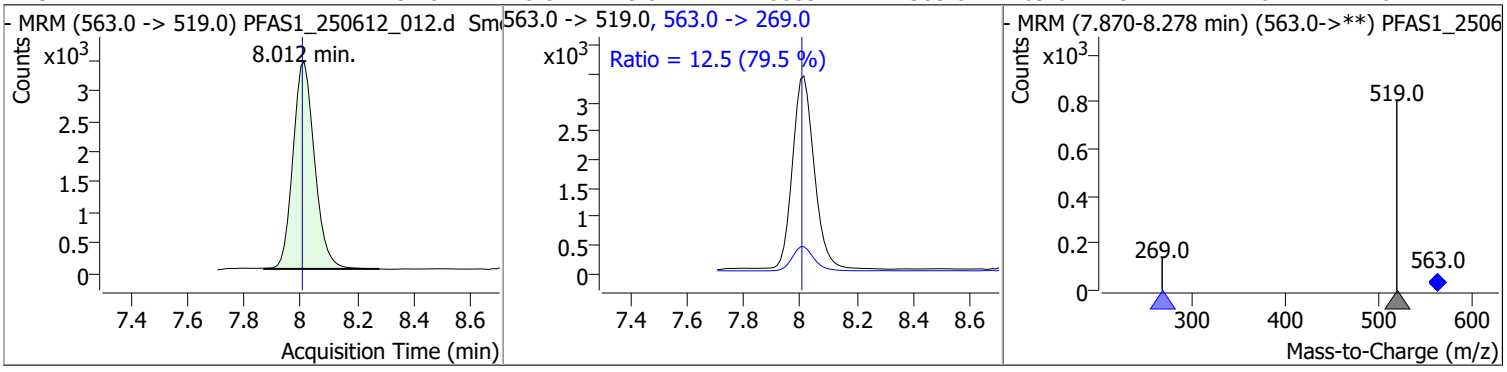
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.2042	7.94	0.00	2674	584.0 -> 526.0	63.7	38.4	71.3



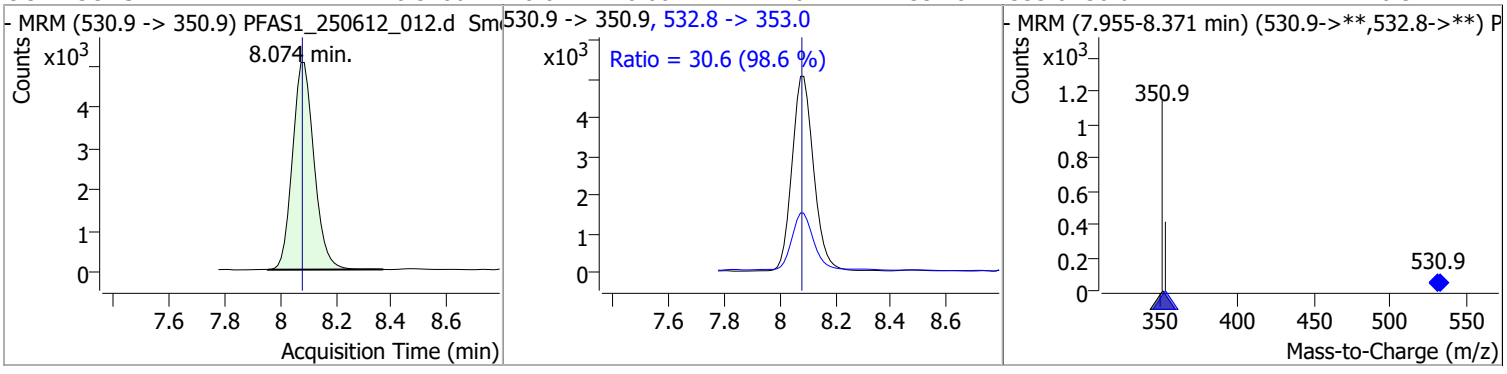
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2573	8.01	0.01	117972				



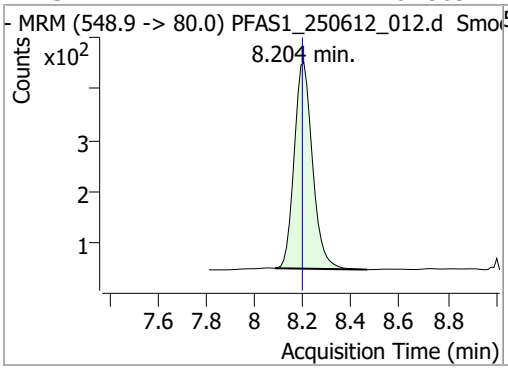
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.2041	8.01	0.01	18059	563.0 -> 269.0	12.5	11.0	20.4

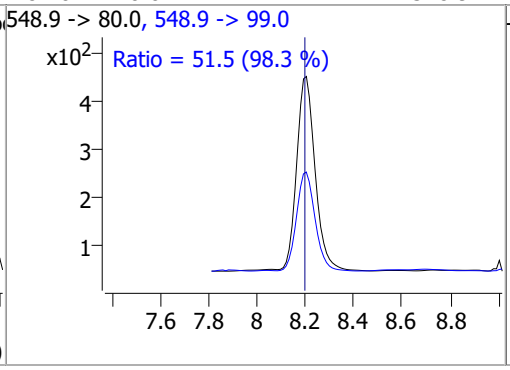


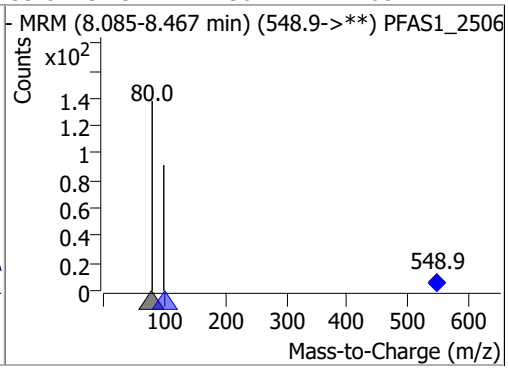
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.3706	8.07	0.00	27281	532.8 -> 353.0	30.6	21.7	40.3



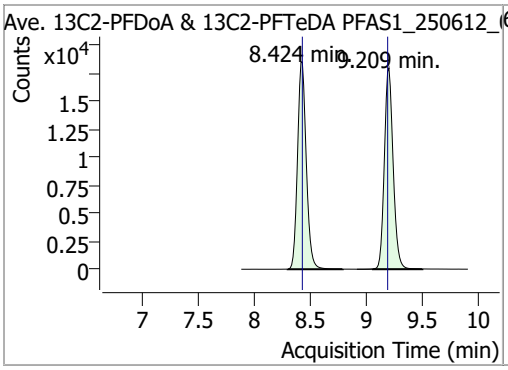
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.1983	8.20	0.01	2141	548.9 -> 99.0	51.5	36.7	68.1

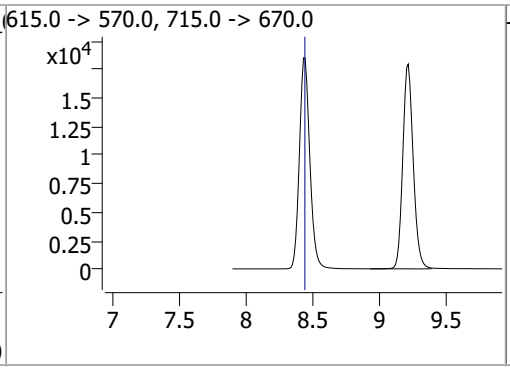


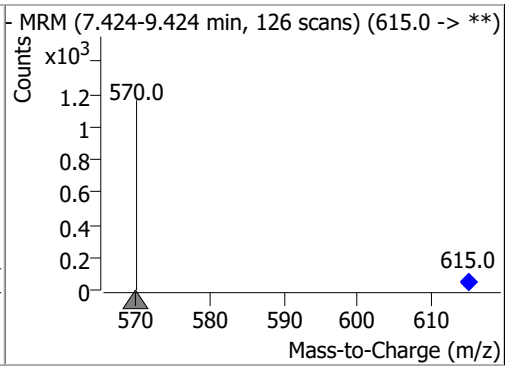




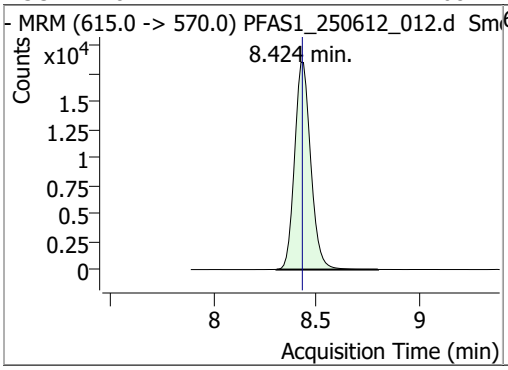
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2268	8.82	0.39	98899				

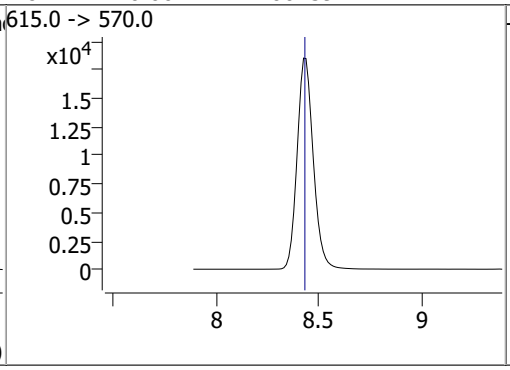


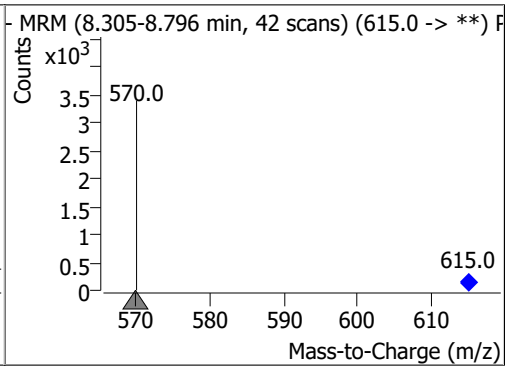




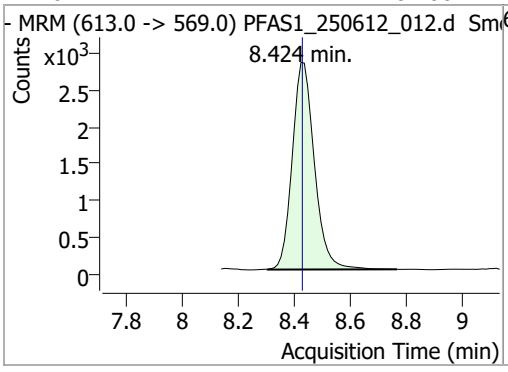
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2268	8.42	0.00	100139				

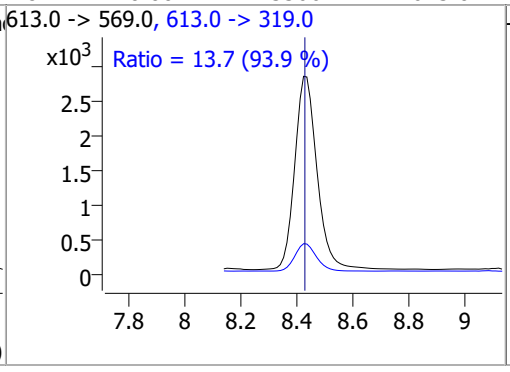


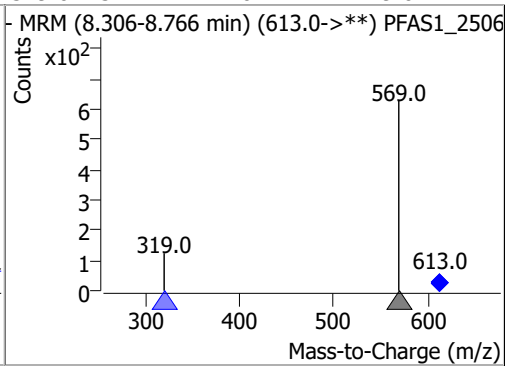




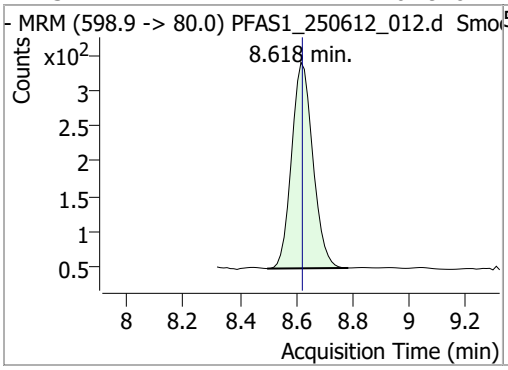
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.2002	8.42	0.00	15366	613.0 -> 319.0	13.7	10.2	19.0

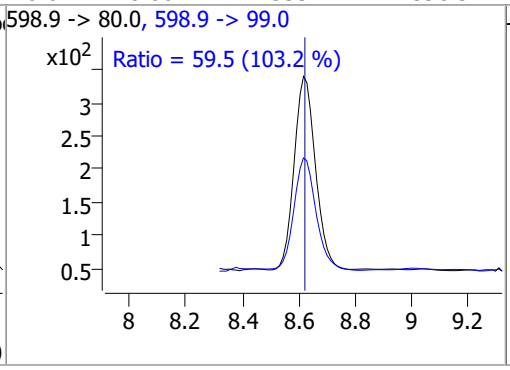


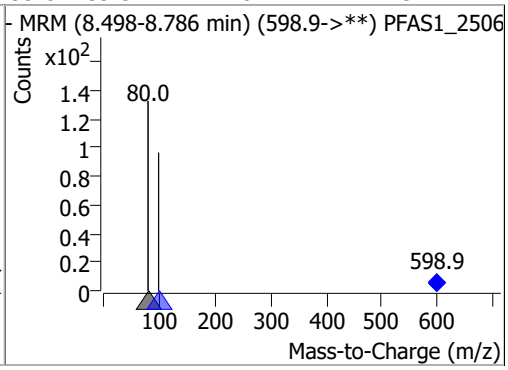




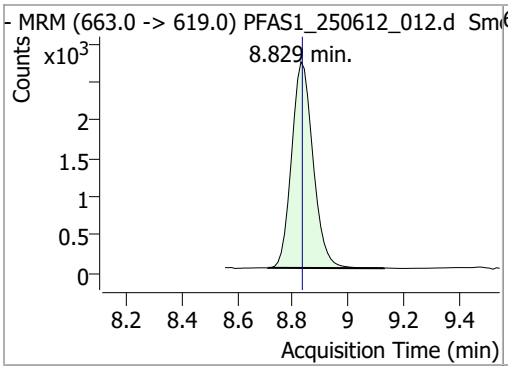
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.1918	8.62	0.00	1535	598.9 -> 99.0	59.5	40.4	74.9

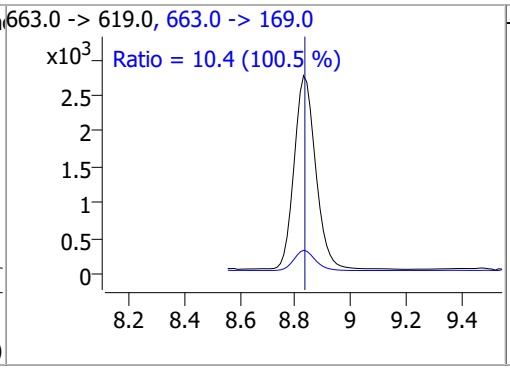


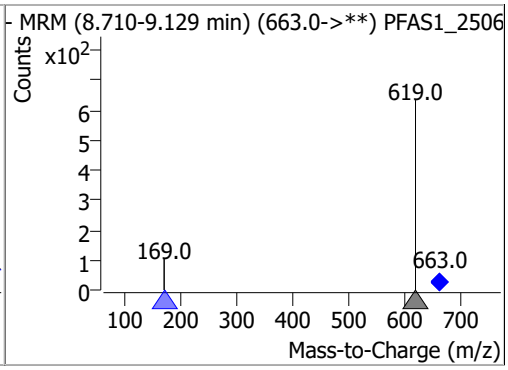




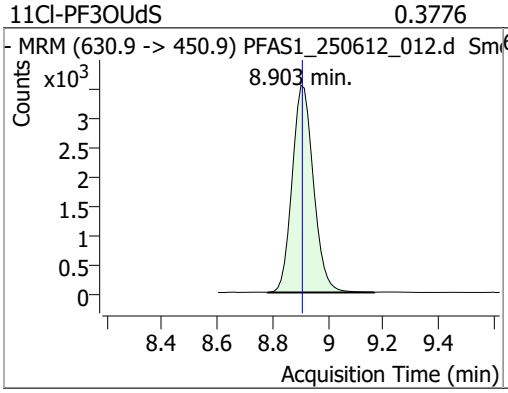
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.2005	8.83	0.00	14563	663.0 -> 169.0	10.4	7.2	13.4

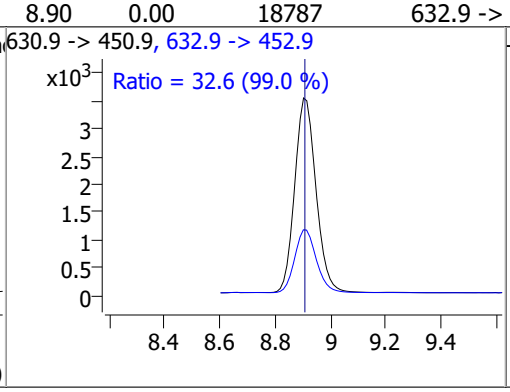


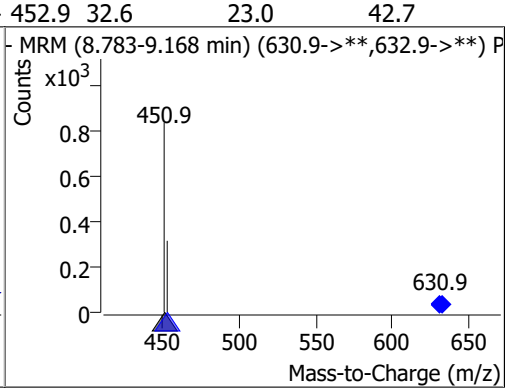




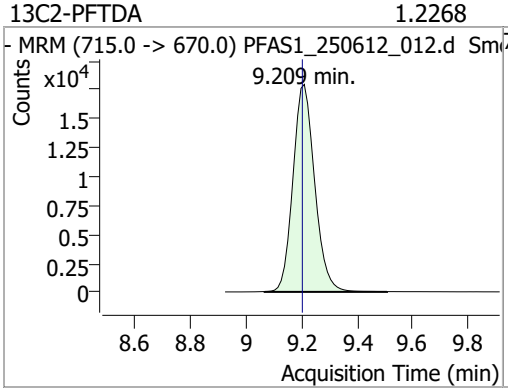
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.3776	8.90	0.00	18787	632.9 -> 452.9	32.6	23.0	42.7

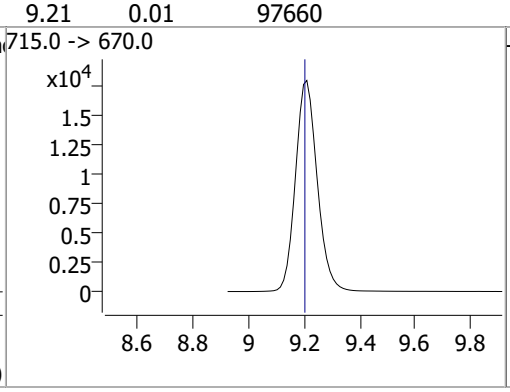


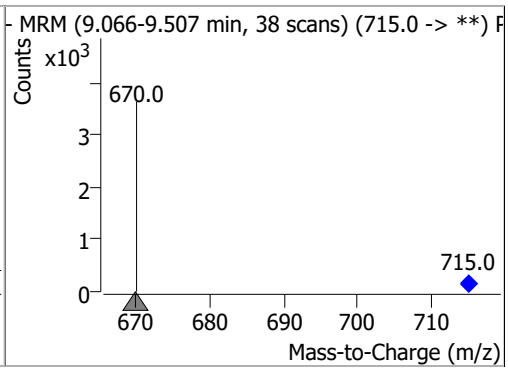




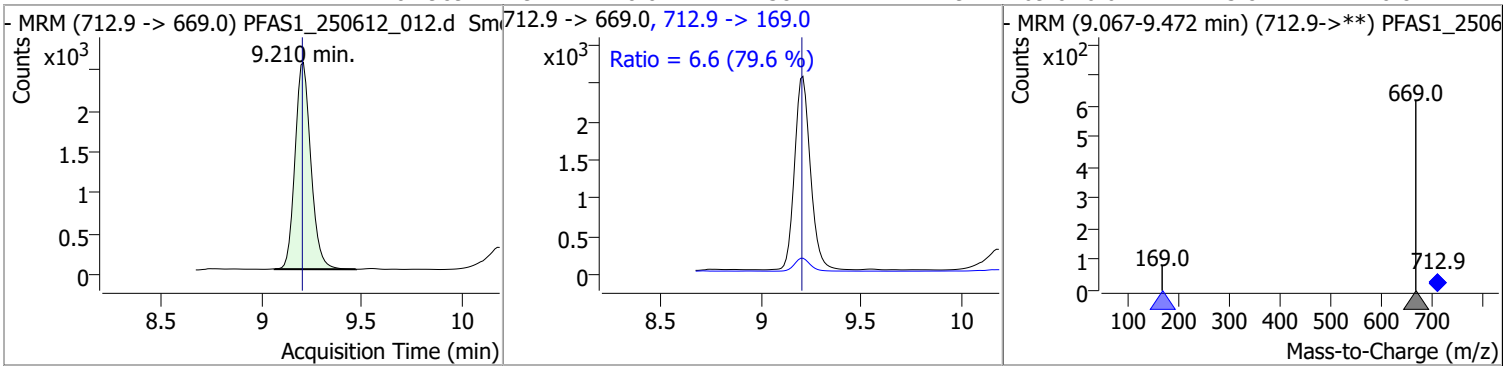
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2268	9.21	0.01	97660				



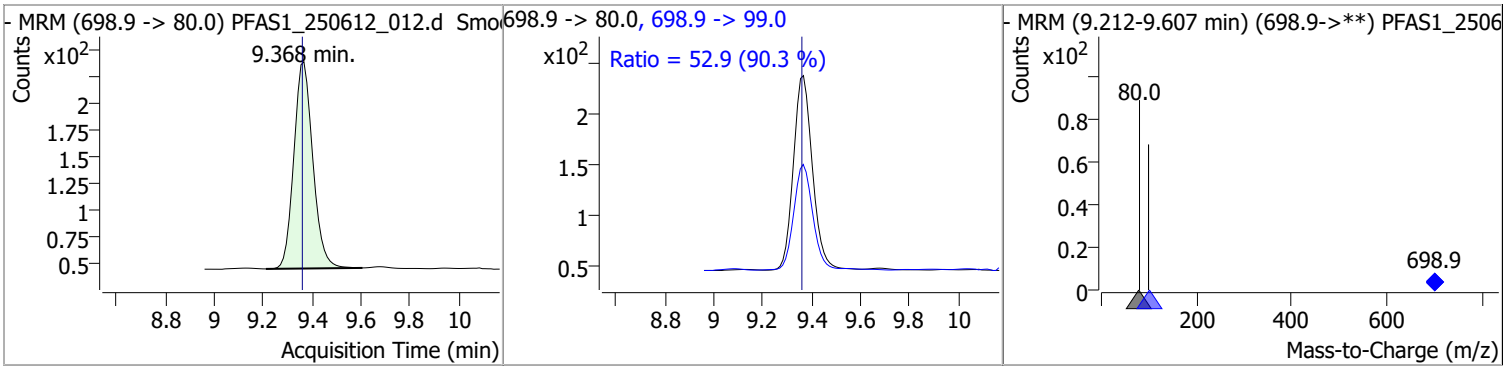




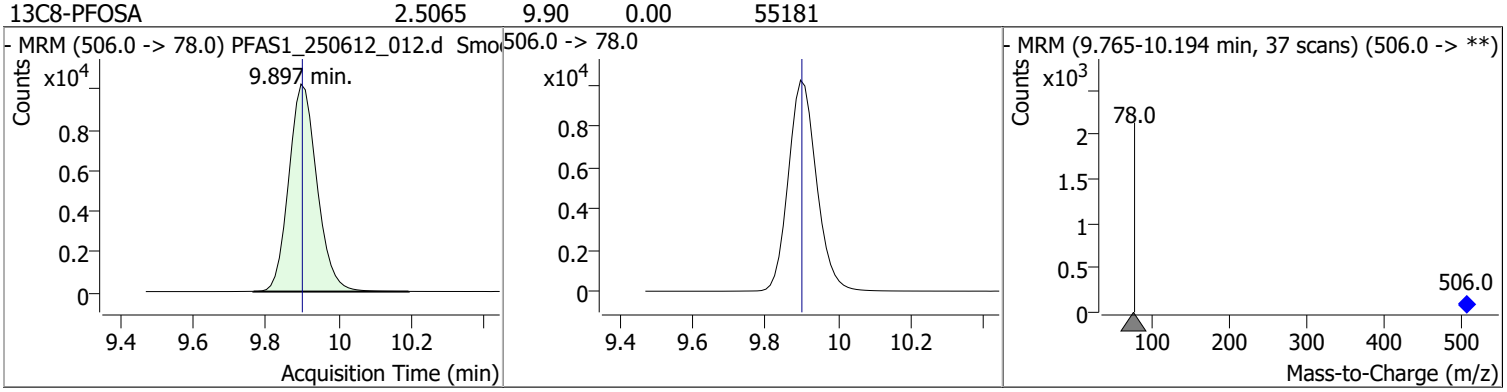
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.1989	9.21	0.01	13844	712.9 -> 169.0	6.6	5.8	10.8



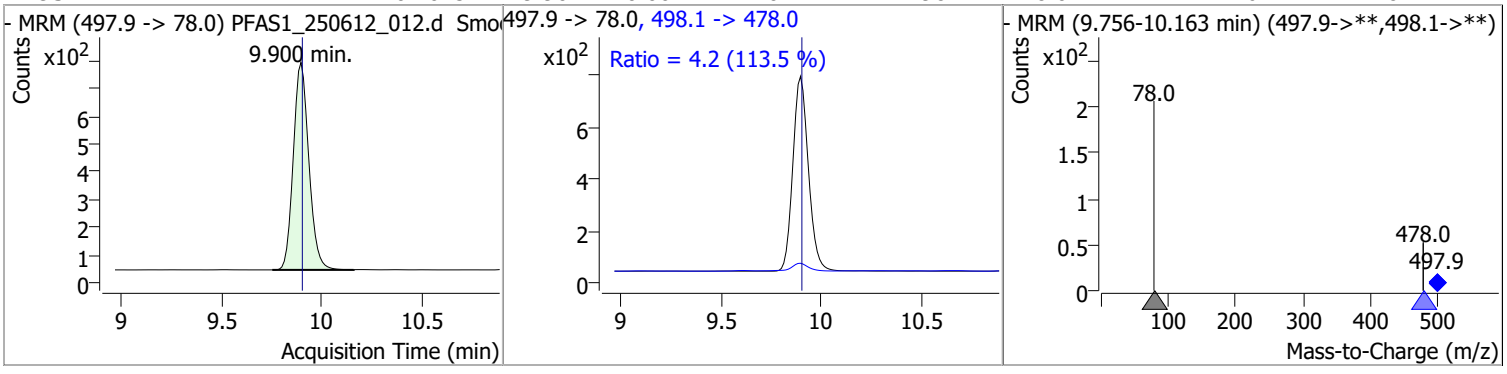
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.1991	9.37	0.01	1033	698.9 -> 99.0	52.9	41.0	76.1



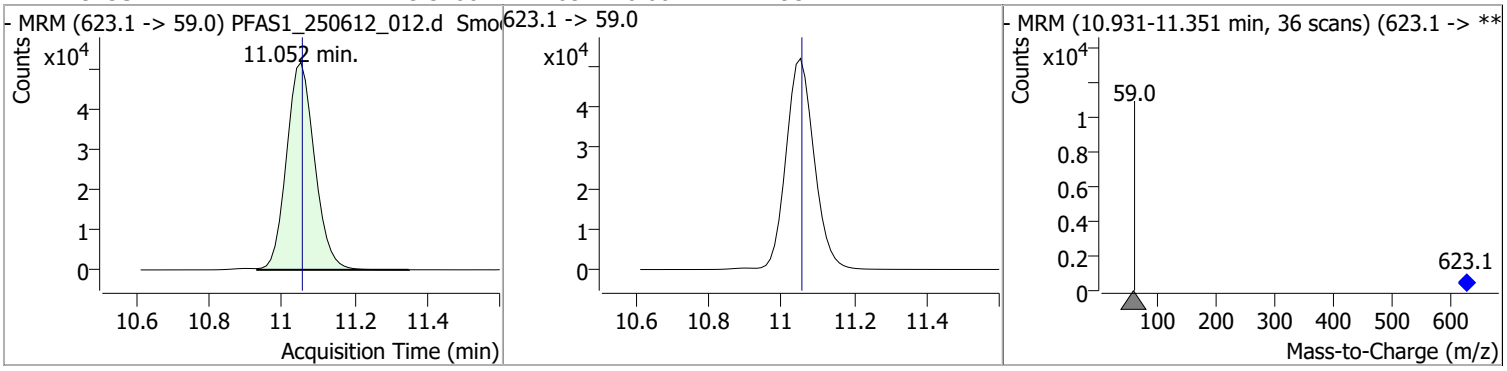
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5065	9.90	0.00	55181				



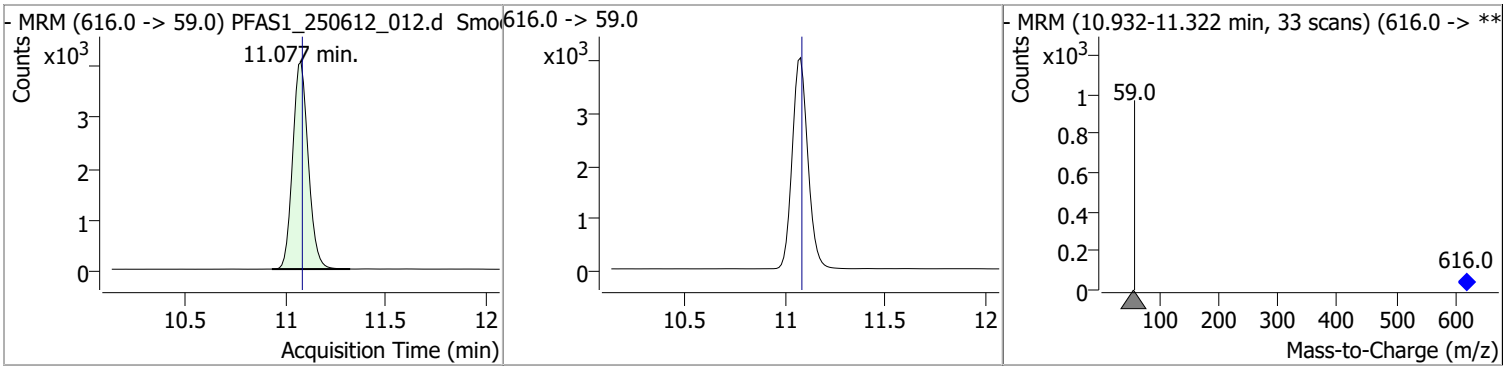
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.2025	9.90	0.00	4042	498.1 -> 478.0	4.2	2.6	4.8



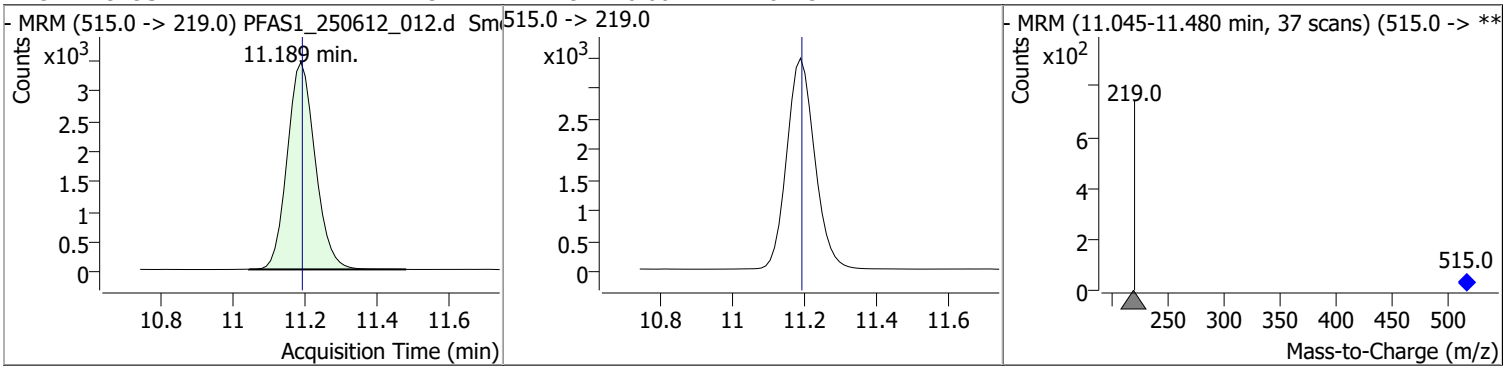
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.3288	11.05	0.00	279377				



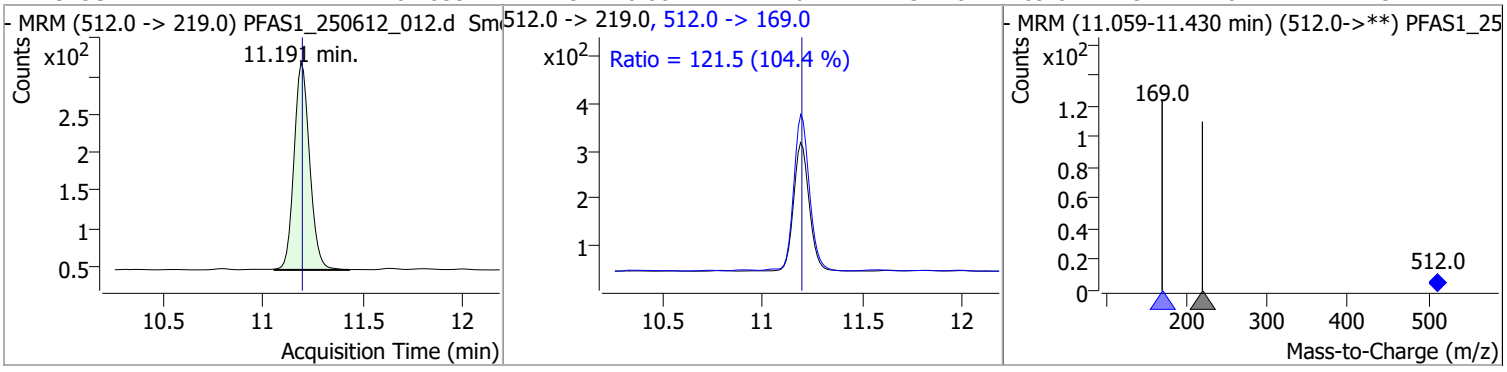
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	1.9556	11.08	0.00	21709				



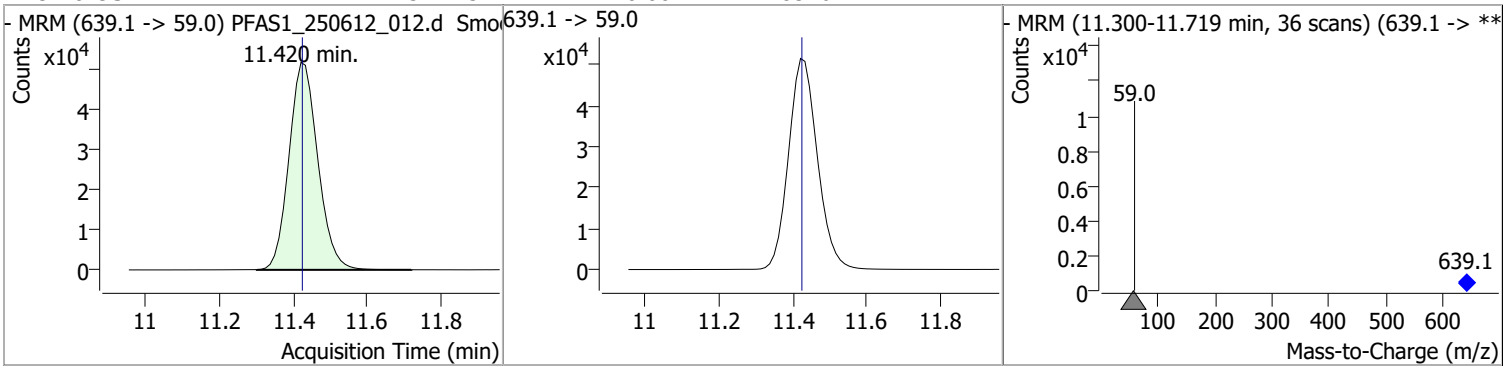
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4922	11.19	0.00	18425				



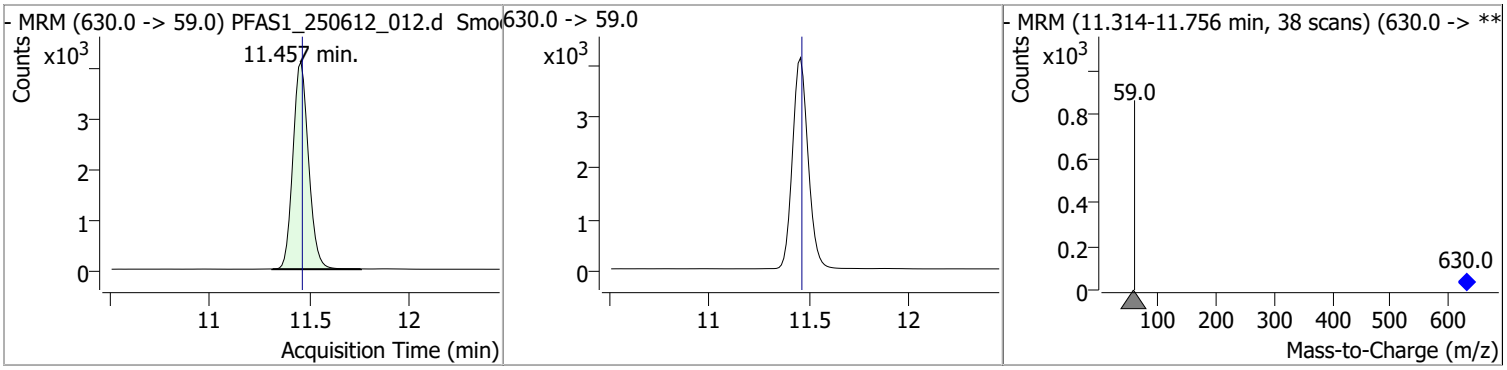
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.2055	11.19	0.00	1476	512.0 -> 169.0	121.5	81.4	151.2



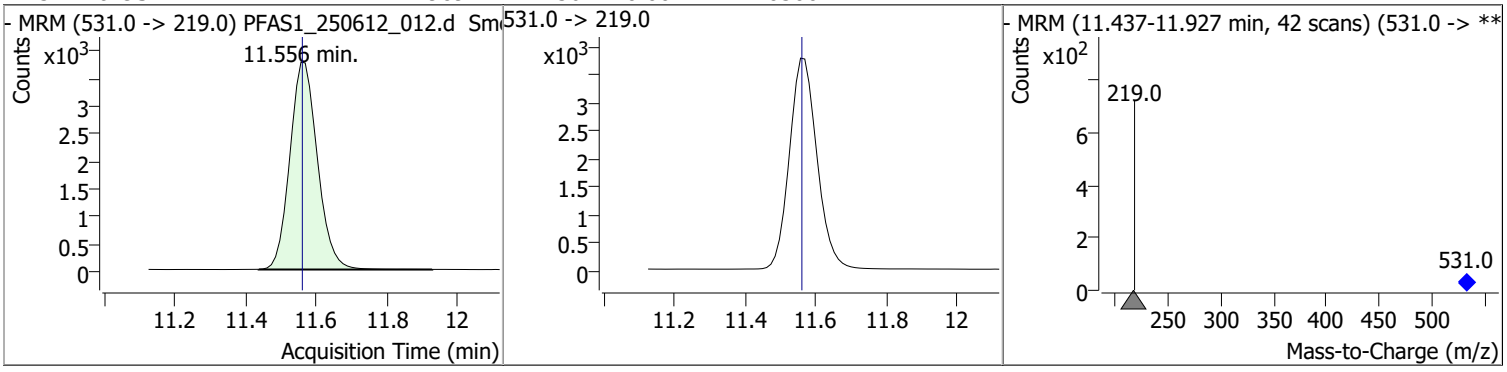
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.2445	11.42	0.00	278546				



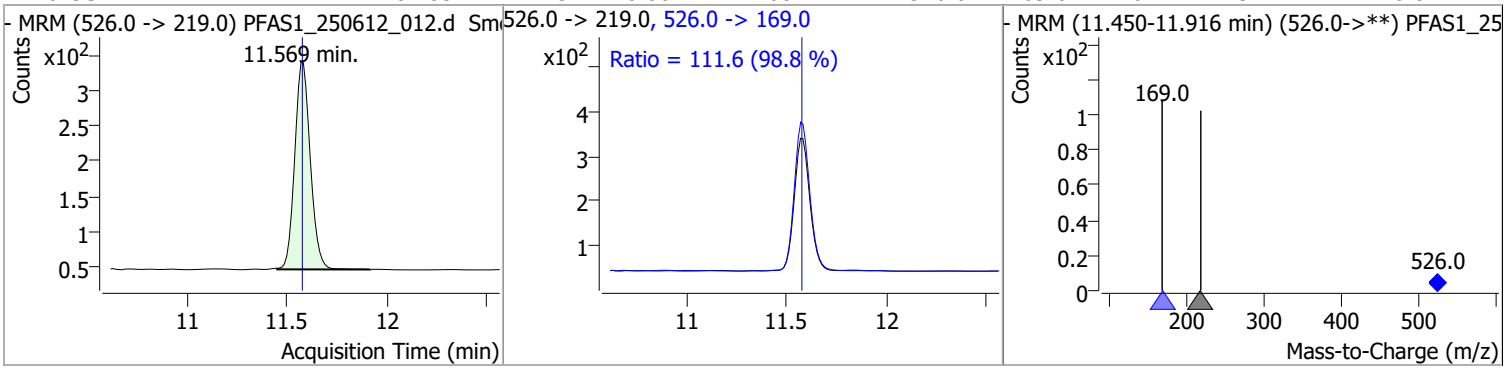
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	1.9389	11.46	0.00	22241				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4989	11.56	0.00	20300				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.2052	11.57	0.00	1601	526.0 -> 169.0	111.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_021.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 6:05:49 PM
Sample Name	SEQ-CAL10	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

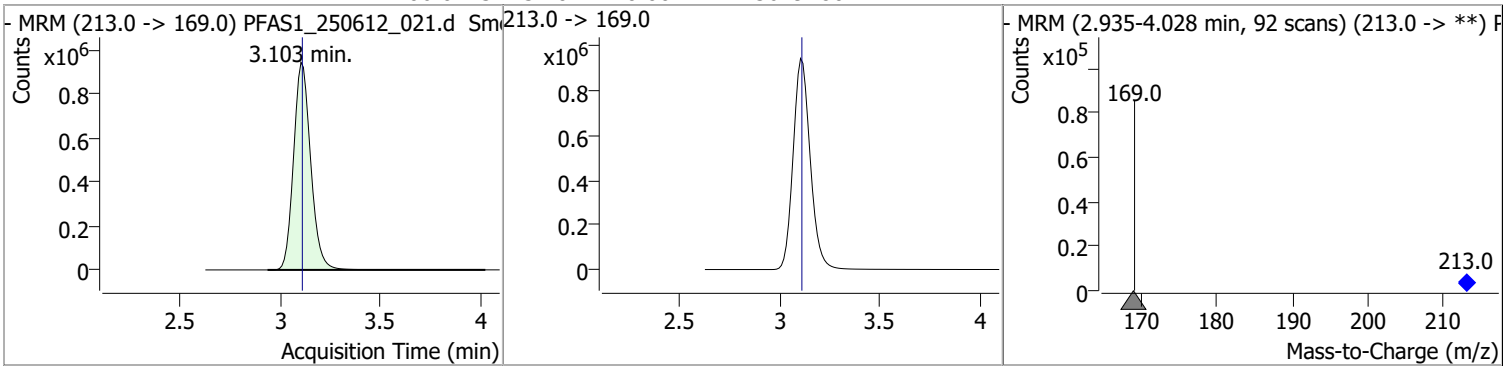
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.099	216.0 -> 172.0	128389	5.0000	µg/L		-18.832
13C2-PFHxA	5.479	315.0 -> 270.0	158566	2.5000	µg/L		-11.255
18O2-PFHxS	6.808	403.0 -> 84.0	21382	2.5000	µg/L		-9.016
13C4-PFOA	6.663	417.0 -> 172.0	18210	2.5000	µg/L		-9.829
13C5-PFNA	7.125	468.0 -> 423.0	109506	1.2500	µg/L		-8.499
13C2-PFDA	7.576	515.0 -> 470.0	113650	1.2500	µg/L		-9.175
13C4-PFOS	7.757	503.0 -> 80.0	22108	2.5000	µg/L		-11.446
System Monitoring Compounds							
13C4-PFBA	3.107	217.0 -> 172.0	301293	10.0000	µg/L		-17.452
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.64%			
13C4-PFBA	3.107	217.0 -> 172.0	301293	10.0000	µg/L		-17.452
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.64%			
13C5-PFPeA	4.594	268.0 -> 223.0	235422	5.0000	µg/L		-12.731
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.37%			
13C5-PFPeA	4.594	268.0 -> 223.0	235422	5.0000	µg/L		-12.731
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.37%			
13C2-4-2 FTSA	5.250	329.0 -> 81.0	12177	5.0000	µg/L	#	-24.434
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 83.49%			
13C5-PFHxA	5.478	318.0 -> 273.0	162976	2.5000	µg/L		-11.426
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.79%			
13C5-PFHxA	5.478	318.0 -> 273.0	162976	2.5000	µg/L		-11.426
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.79%			
13C3-PFBS	5.505	302.0 -> 80.0	35457	2.5000	µg/L		-16.821
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 91.61%			
13C3-HFPO-DA	5.735	287.0 -> 169.0	197260	10.0000	µg/L		-11.093
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.15%			
13C4-PFHpA	6.142	367.0 -> 322.0	190008	2.5000	µg/L		-10.877
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFHxS	6.797	402.0 -> 80.0	23809	2.5000	µg/L		-11.760
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.03%			
13C2-6-2 FTSA	6.459	429.0 -> 81.0	9334	5.0000	µg/L	#	-17.229
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 91.32%			
13C8-PFOA	6.662	421.0 -> 376.0	206528	2.5000	µg/L		-8.574
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.31%			
13C3-PFHxS	6.797	402.0 -> 80.0	23809	2.5000	µg/L		-11.760
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.03%			
13C9-PFNA	7.125	472.0 -> 427.0	110685	1.2500	µg/L		-9.793
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.61%			
13C8-PFOS	7.756	507.0 -> 80.0	21556	2.5000	µg/L		-12.886
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.41%			
13C2-8-2 FTSA	7.372	529.0 -> 81.0	11210	5.0000	µg/L	#	-8.924
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.16%			
13C6-PFDA	7.575	519.0 -> 474.0	118291	1.2500	µg/L		-10.995
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.05%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	90098	5.0000	µg/L		-3.058

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 109.16%		
13C8-PFOS	7.756	507.0 -> 80.0	21556	2.5000	µg/L	-12.886
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.41%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	69970	5.0000	µg/L	-6.131
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.79%		
13C7-PFUnDA	7.999	570.0 -> 525.0	103790	1.2500	µg/L	-10.032
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.09%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	93620	1.2500	µg/L	-5.438
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.03%		
13C2-PFDoDA	8.424	615.0 -> 570.0	94059	1.2500	µg/L	-6.176
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.23%		
13C2-PFTDA	9.197	715.0 -> 670.0	93180	1.2500	µg/L	-4.681
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.86%		
13C8-PFOSA	9.897	506.0 -> 78.0	51640	2.5000	µg/L	-5.585
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 106.39%		
2H7-MeFOSE	11.052	623.1 -> 59.0	241353	25.0000	µg/L	-12.142
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.25%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	17825	2.5000	µg/L	-2.880
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 109.35%		
2H9-EtFOSE	11.420	639.1 -> 59.0	240914	25.0000	µg/L	-12.323
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.03%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	18588	2.5000	µg/L	-7.967
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.78%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	5649180	206.0723	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 103.04%		
PFMPA	3.794	229.0 -> 85.0	2299338	104.3396	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 104.34%		
3-3 FTCA	4.042	241.0 -> 177.0	264343	228.9523	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 114.48%		
PFPeA	4.596	263.0 -> 219.0	4832064	103.9753	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 103.98%		
PFMBA	4.910	279.0 -> 85.0	3121111	104.7558	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 104.76%		
4-2 FTSA	5.251	327.0 -> 307.0	1509176	181.9190	µg/L	96
Spiked Amount: 187.500	Range: 70 - 130%			Recovery = 97.02%		
NFDHA	5.390	295.0 -> 201.0	225100	90.0061	µg/L	93
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 90.01%		
PFHxA	5.480	313.0 -> 269.0	3346718	50.8316	µg/L	99
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 101.66%		
PFBS	5.495	298.9 -> 80.0	705399	45.1578	µg/L	98
Spiked Amount: 44.350	Range: 70 - 130%			Recovery = 101.82%		
HFPO-DA	5.736	285.0 -> 169.0	2012235	101.2150	µg/L	98
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.21%		
PFEESA	5.860	314.9 -> 135.0	4197685	86.9692	µg/L	98
Spiked Amount: 89.000	Range: 70 - 130%			Recovery = 97.72%		
5-3 FTCA	6.132	341.0 -> 237.0	6358795	1108.0712	µg/L	100
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 110.81%		
PFHpA	6.142	363.0 -> 319.0	3896676	51.7628	µg/L	98
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.53%		
PFPeS	6.240	348.9 -> 80.0	558191	47.4088	µg/L	100
Spiked Amount: 47.050	Range: 70 - 130%			Recovery = 100.76%		
DONA	6.333	377.0 -> 251.0	9133850	99.3876	µg/L	100
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 105.17%		

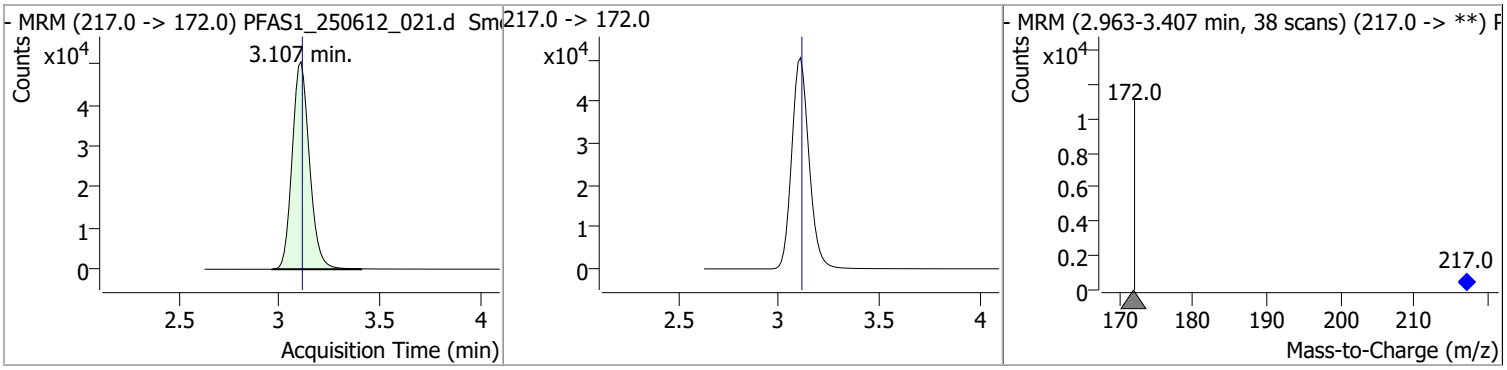
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	1391558	176.4797	µg/L	97
Spiked Amount: 190.000	Range: 70 - 130%			Recovery = 92.88%		
PFOA	6.663	413.0 -> 369.0	4206752	51.7925	µg/L	96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.59%		
PFHxS	6.798	398.9 -> 80.0	463231	47.4912	µg/L	98
Spiked Amount: 45.700	Range: 70 - 130%			Recovery = 103.92%		
PFNA	7.138	463.0 -> 419.0	4400747	52.7412	µg/L	97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 105.48%		
PFHpS	7.295	448.9 -> 80.0	426268	48.2901	µg/L	98
Spiked Amount: 47.650	Range: 70 - 130%			Recovery = 101.34%		
8-2 FTSA	7.373	527.0 -> 507.0	1351004	169.5989	µg/L	98
Spiked Amount: 192.000	Range: 70 - 130%			Recovery = 88.33%		
7-3 FTCA	7.463	441.0 -> 317.0	7226377	1139.4277	µg/L	100
Spiked Amount: 1000.000	Range: 70 - 130%			Recovery = 113.94%		
PFDA	7.576	513.0 -> 469.0	4700858	51.8346	µg/L	97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.67%		
N-MeFOSAA	7.704	570.0 -> 419.0	806203	50.8307	µg/L	97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 101.66%		
PFOS	7.758	498.9 -> 80.0	473312	49.1849	µg/L	95
Spiked Amount: 46.400	Range: 70 - 130%			Recovery = 106.00%		
N-EtFOSAA	7.939	584.0 -> 419.0	714194	52.8396	µg/L	97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 105.68%		
PFUnDA	8.000	563.0 -> 519.0	4252568	51.7084	µg/L	97
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.42%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	5732901	90.0548	µg/L	95
Spiked Amount: 93.500	Range: 70 - 130%			Recovery = 96.32%		
PFNS	8.193	548.9 -> 80.0	436414	48.0683	µg/L	99
Spiked Amount: 48.100	Range: 70 - 130%			Recovery = 99.93%		
PFDoDA	8.424	613.0 -> 569.0	3732688	50.4354	µg/L	96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 100.87%		
PFDS	8.618	598.9 -> 80.0	360282	48.1265	µg/L	99
Spiked Amount: 48.250	Range: 70 - 130%			Recovery = 99.74%		
PFTrDA	8.829	663.0 -> 619.0	3707764	49.8337	µg/L	96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.67%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	4104837	93.0443	µg/L	98
Spiked Amount: 94.500	Range: 70 - 130%			Recovery = 98.46%		
PFTDA	9.198	712.9 -> 669.0	3507037	48.9961	µg/L	96
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 97.99%		
PFDoS	9.356	698.9 -> 80.0	248728	50.4879	µg/L	97
Spiked Amount: 48.500	Range: 70 - 130%			Recovery = 104.10%		
PFOSA	9.900	497.9 -> 78.0	973241	50.8865	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 101.77%		
MeFOSE	11.077	616.0 -> 59.0	4411628	477.6368	µg/L	100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 95.53%		
N-MeFOSA	11.191	512.0 -> 219.0	348490	49.7441	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 99.49%		
EtFOSE	11.457	630.0 -> 59.0	4101592	458.7818	µg/L	100
Spiked Amount: 500.000	Range: 70 - 130%			Recovery = 91.76%		
N-EtFOSA	11.581	526.0 -> 219.0	407333	51.6873	µg/L	95
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 103.37%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

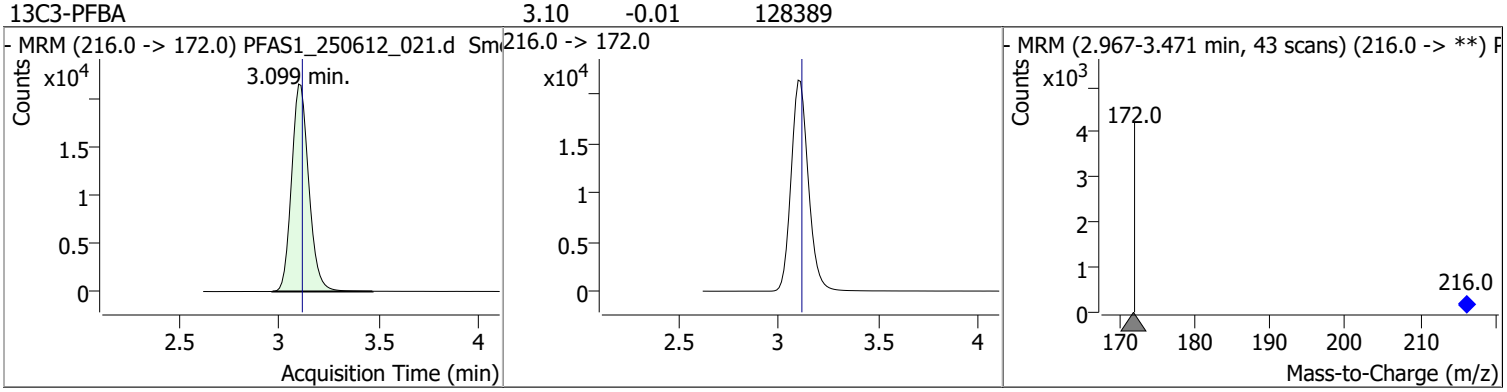
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	206.0723	3.10	0.00	5649180				



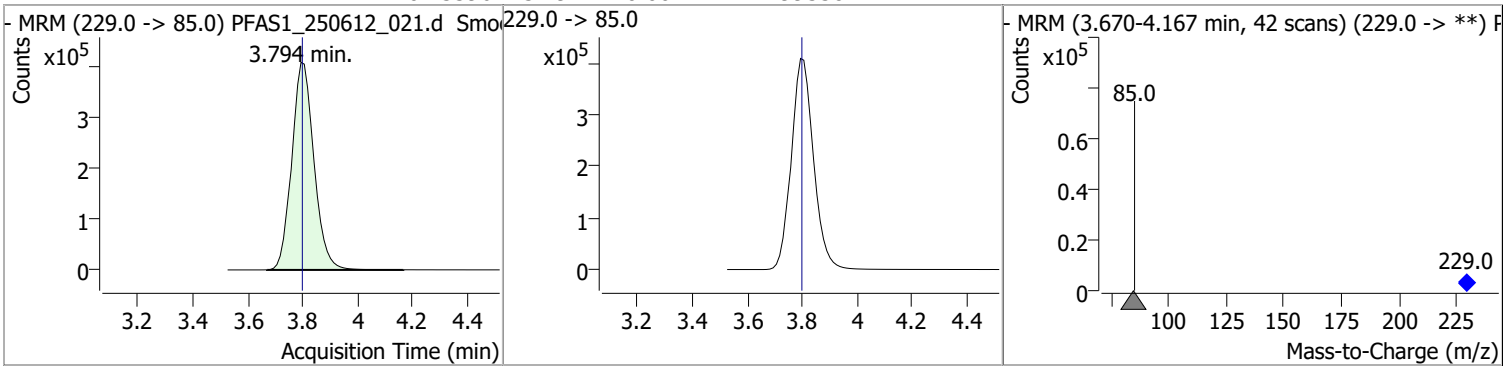
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.1642	3.11	0.00	301293				



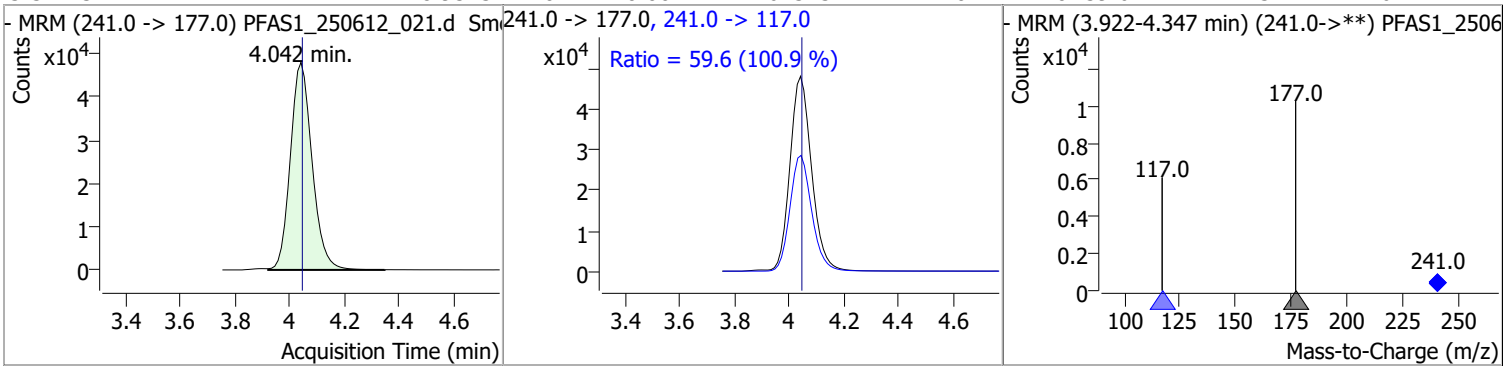
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	128389				



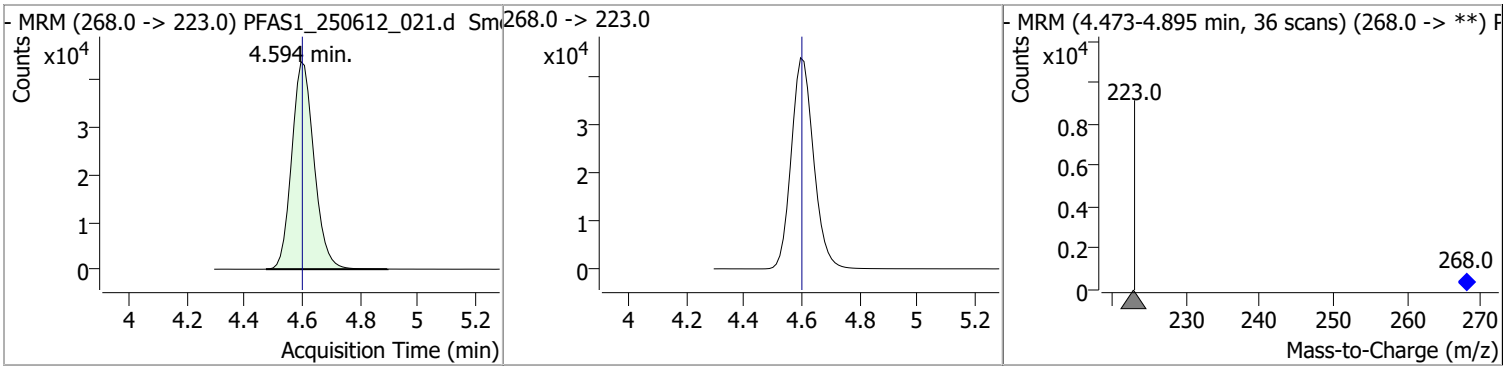
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	104.3396	3.79	0.00	2299338				



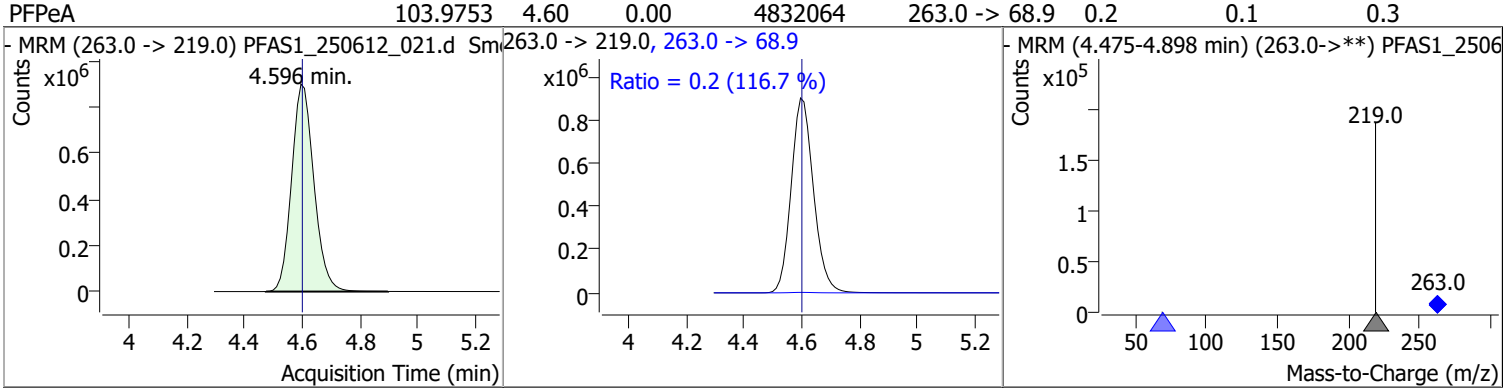
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	228.9523	4.04	0.00	264343	241.0 -> 117.0	59.6	41.3	76.7



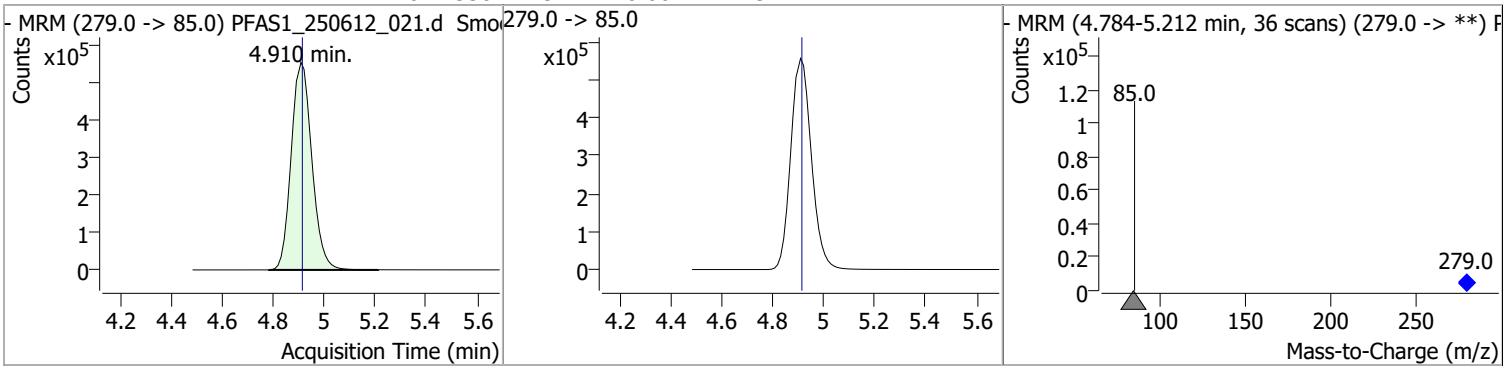
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9185	4.59	0.00	235422				



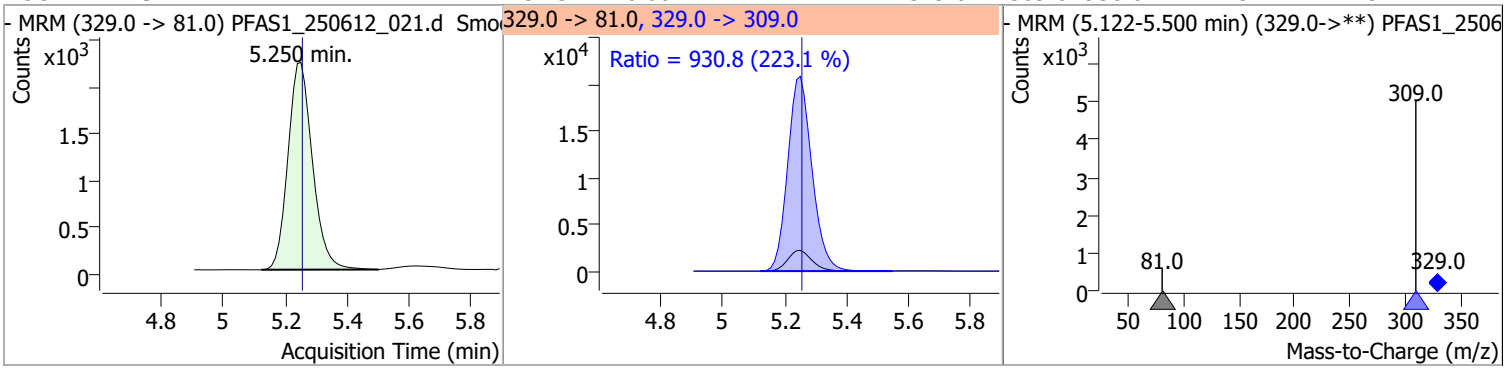
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	103.9753	4.60	0.00	4832064	263.0 -> 68.9	0.2	0.1	0.3



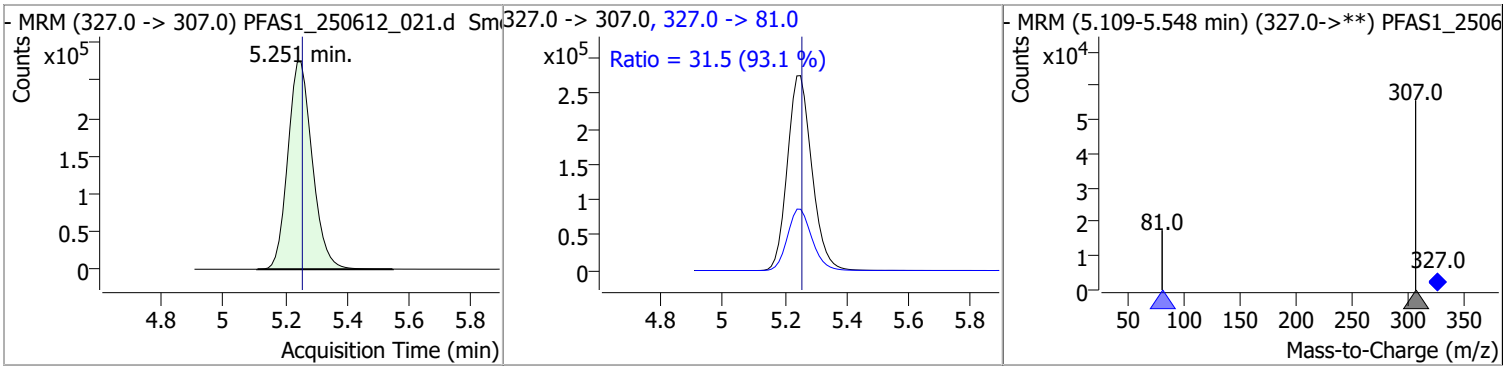
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	104.7558	4.91	0.00	3121111				



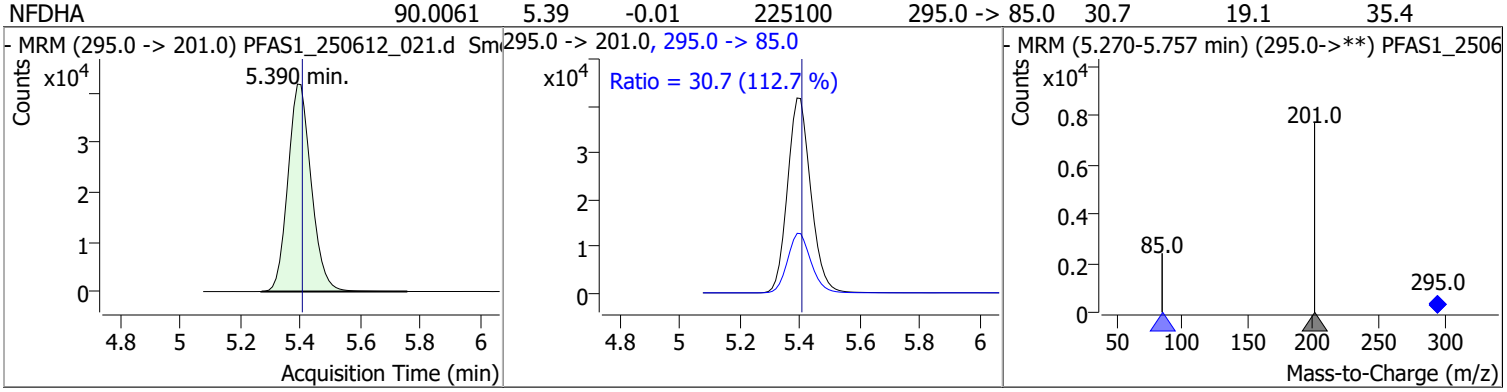
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.1744	5.25	0.00	12177	329.0 -> 309.0	930.8	292.1	542.4



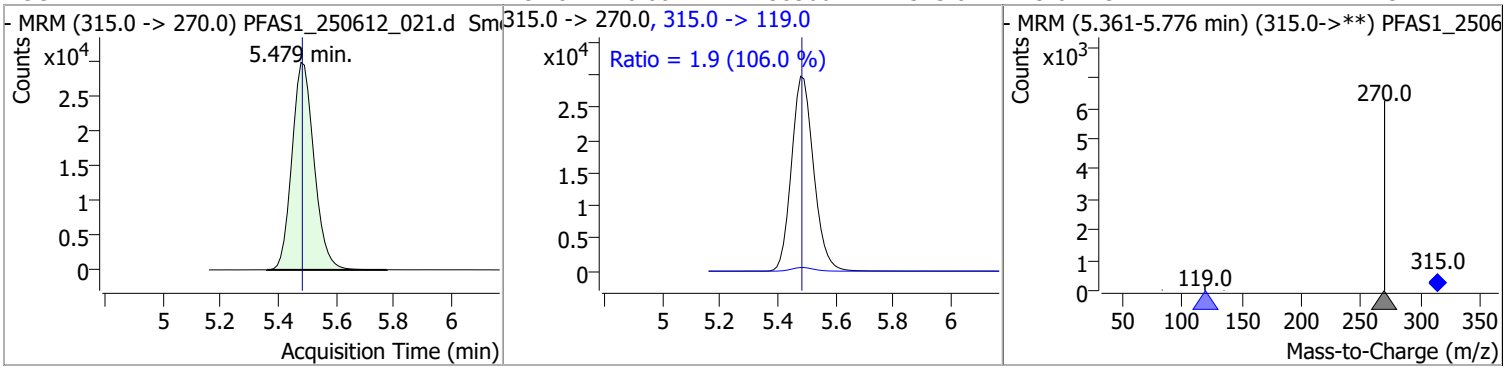
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	181.9190	5.25	0.00	1509176	327.0 -> 81.0	31.5	23.6	43.9



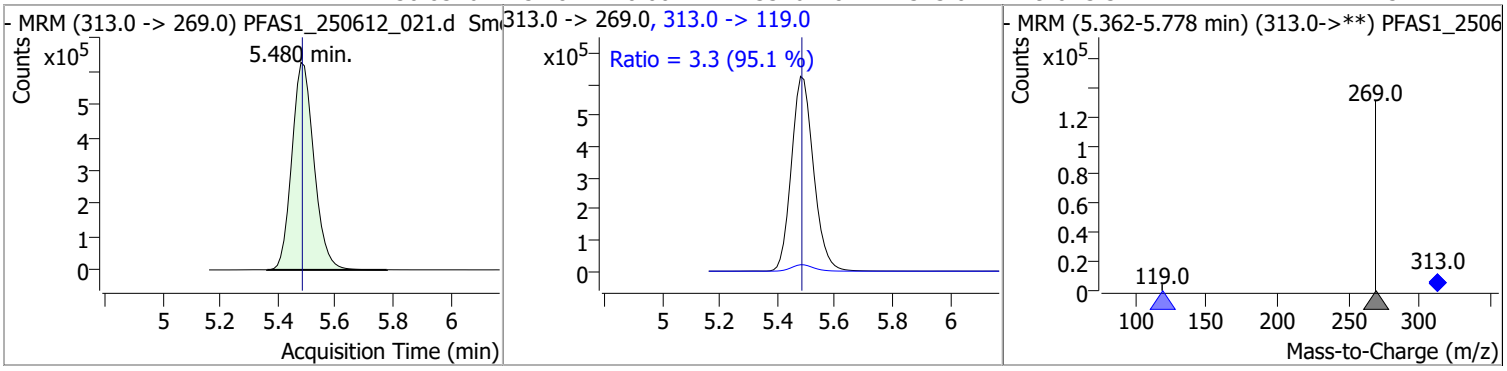
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	90.0061	5.39	-0.01	225100	295.0 -> 85.0	30.7	19.1	35.4



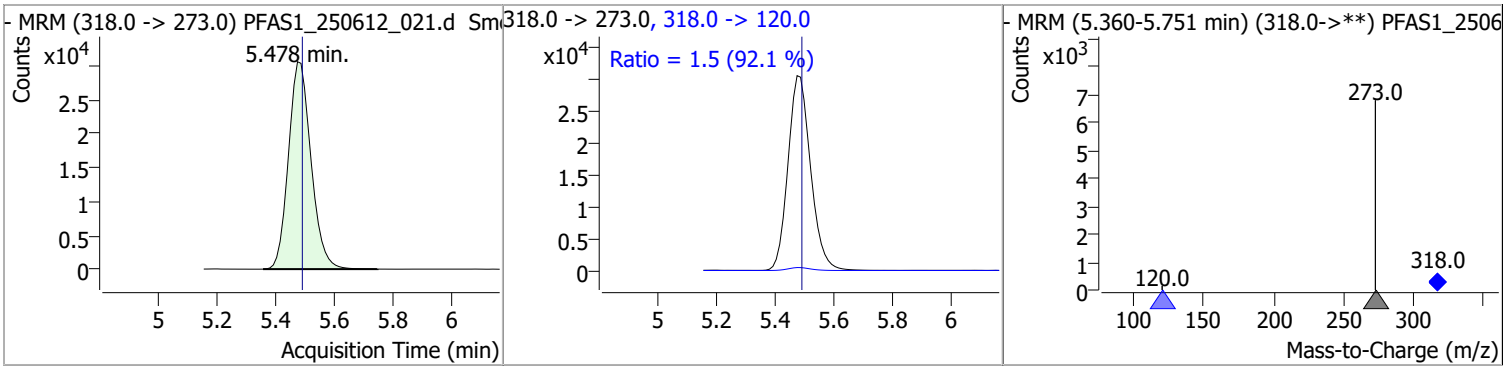
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	158566	315.0 -> 119.0	1.9	1.2	2.3



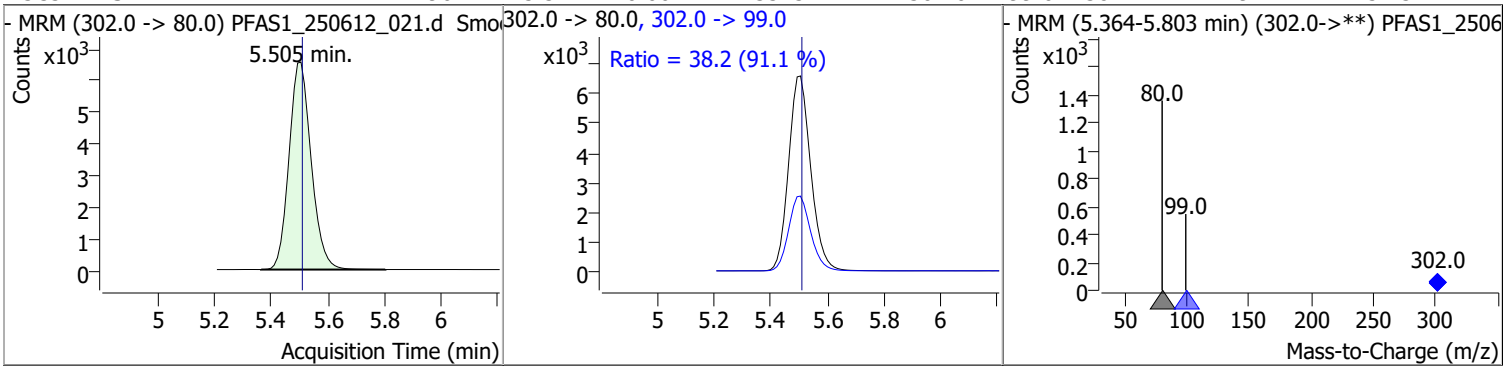
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	50.8316	5.48	0.00	3346718	313.0 -> 119.0	3.3	2.4	4.5



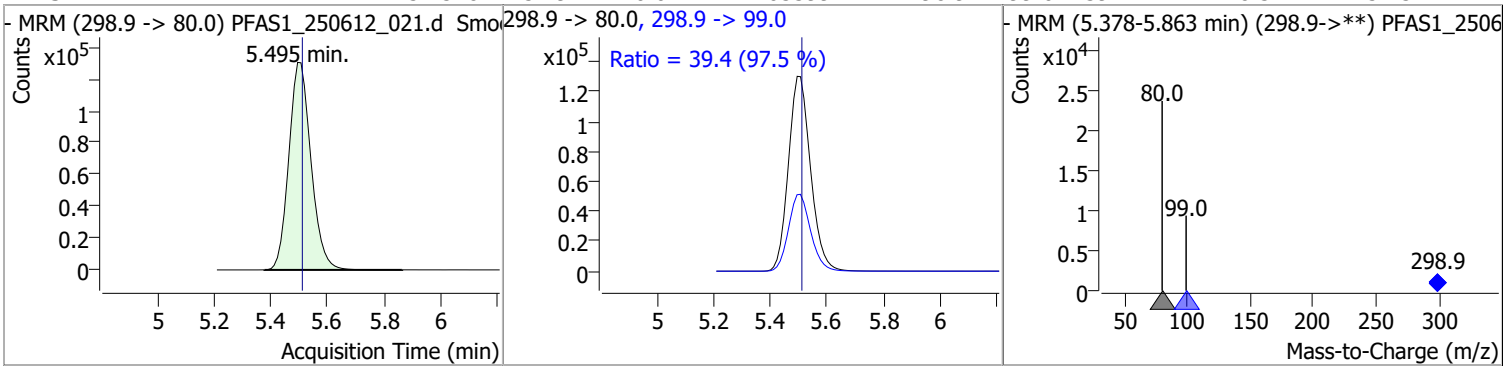
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4948	5.48	-0.01	162976	318.0 -> 120.0	1.5	1.1	2.1



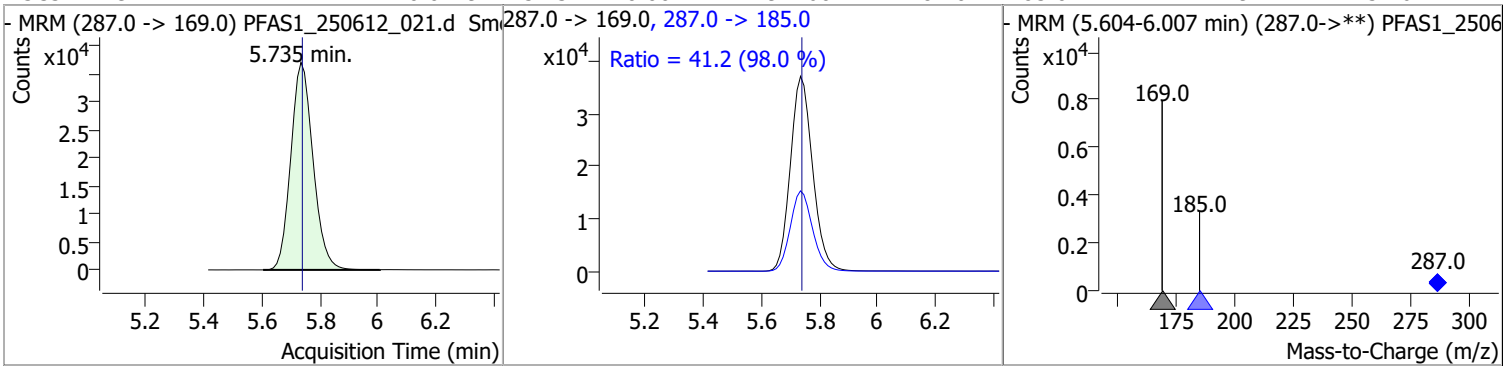
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.2902	5.51	0.00	35457	302.0 -> 99.0	38.2	29.4	54.5



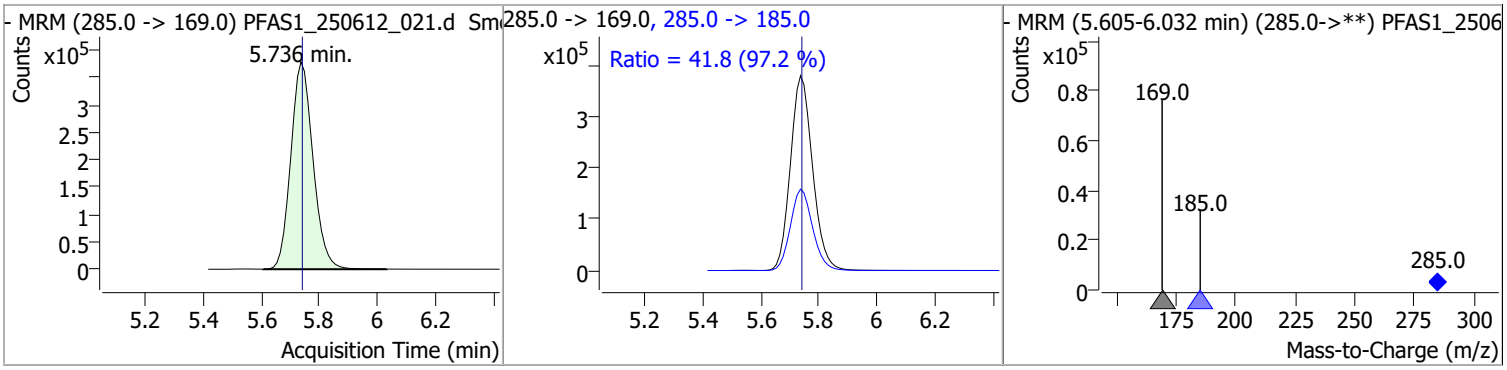
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	45.1578	5.49	-0.01	705399	298.9 -> 99.0	39.4	28.3	52.5



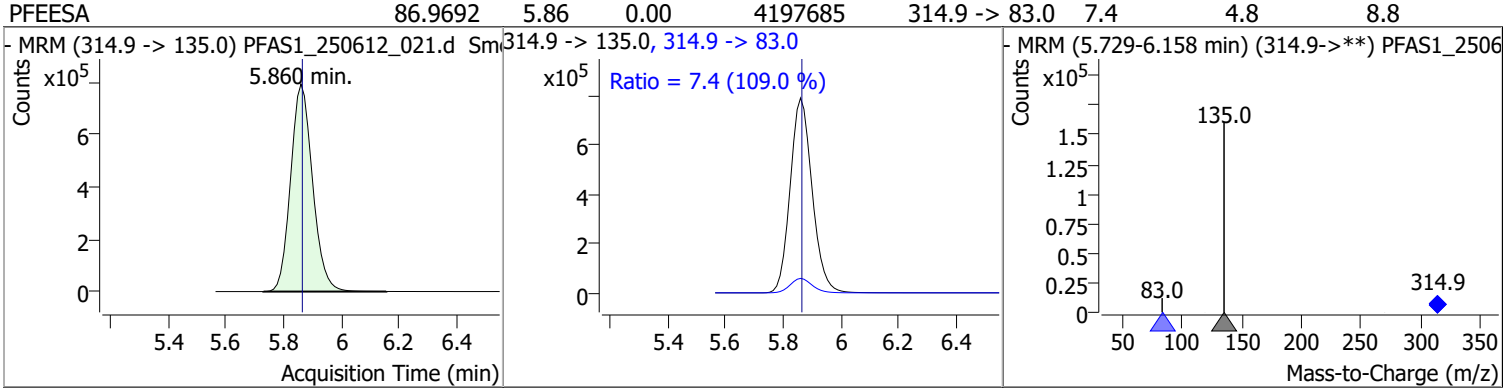
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0149	5.73	0.00	197260	287.0 -> 185.0	41.2	29.4	54.6



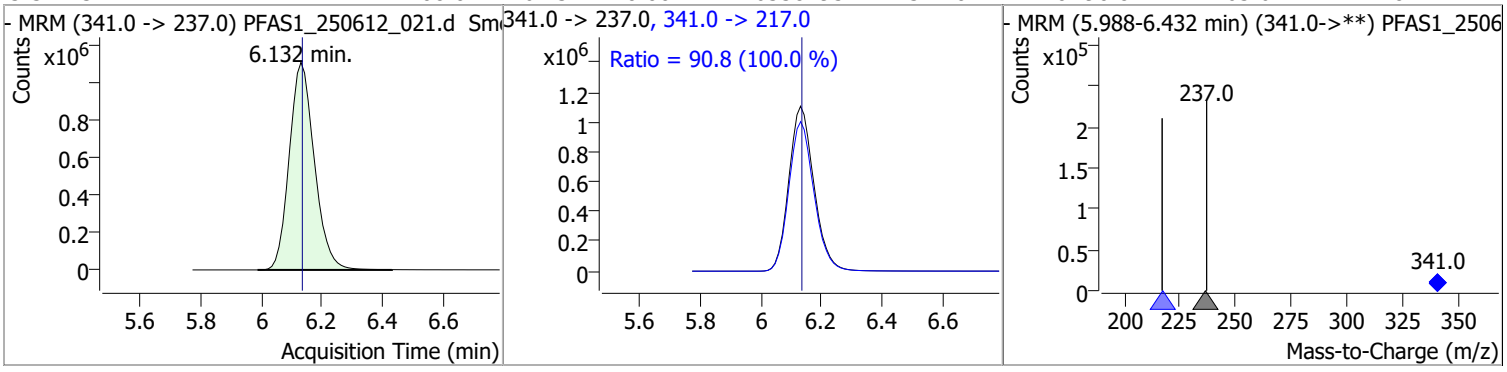
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	101.2150	5.74	0.00	2012235	285.0 -> 185.0	41.8	30.1	56.0



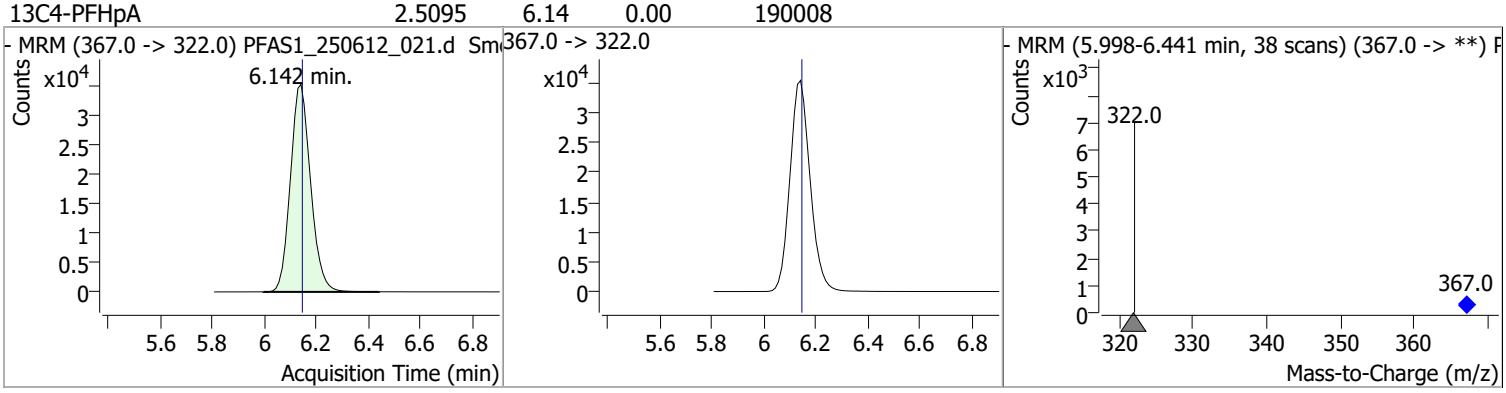
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	86.9692	5.86	0.00	4197685	314.9 -> 83.0	7.4	4.8	8.8



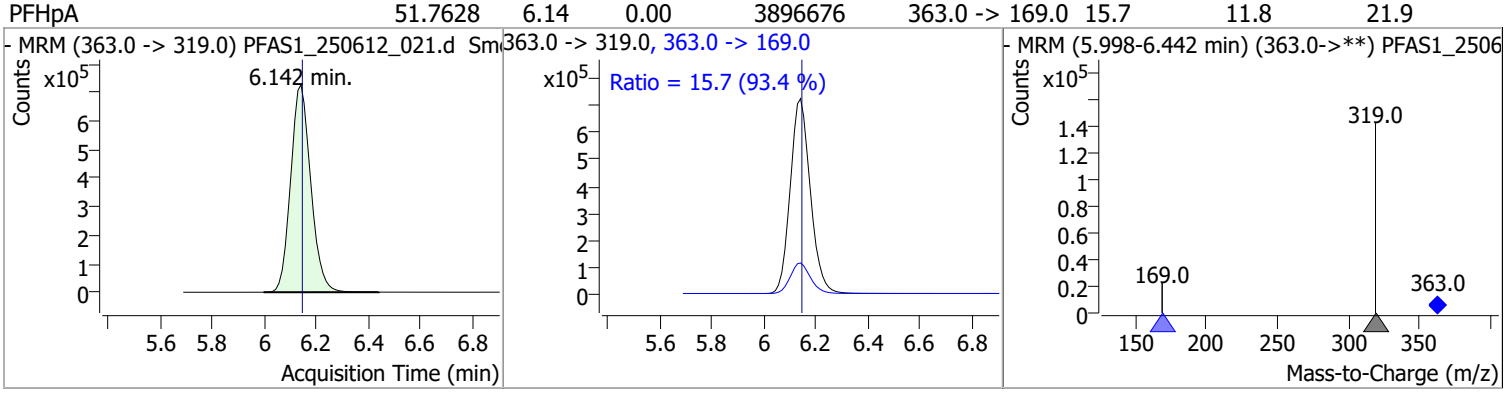
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	1108.0712	6.13	0.00	6358795	341.0 -> 217.0	90.8	63.6	118.1



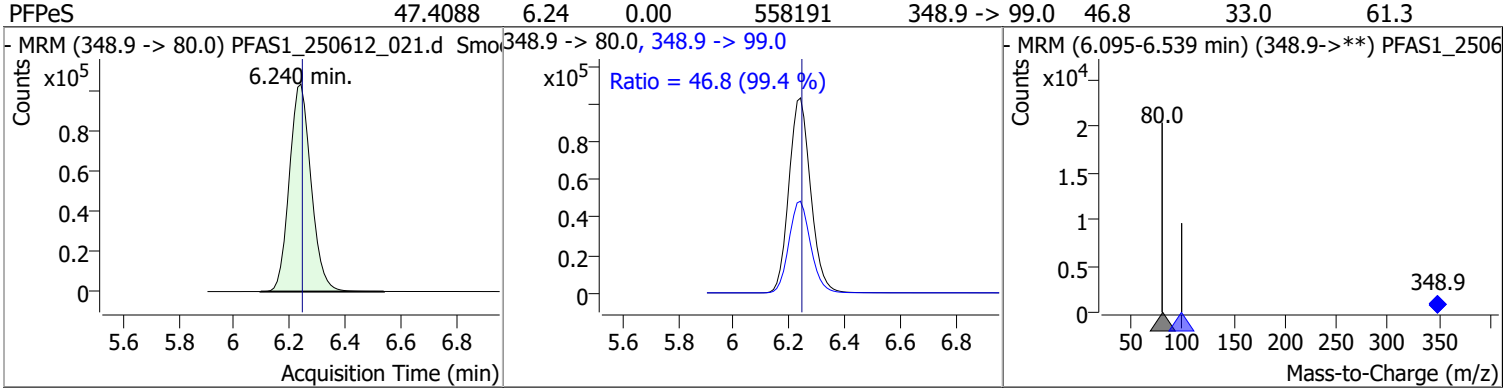
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5095	6.14	0.00	190008				



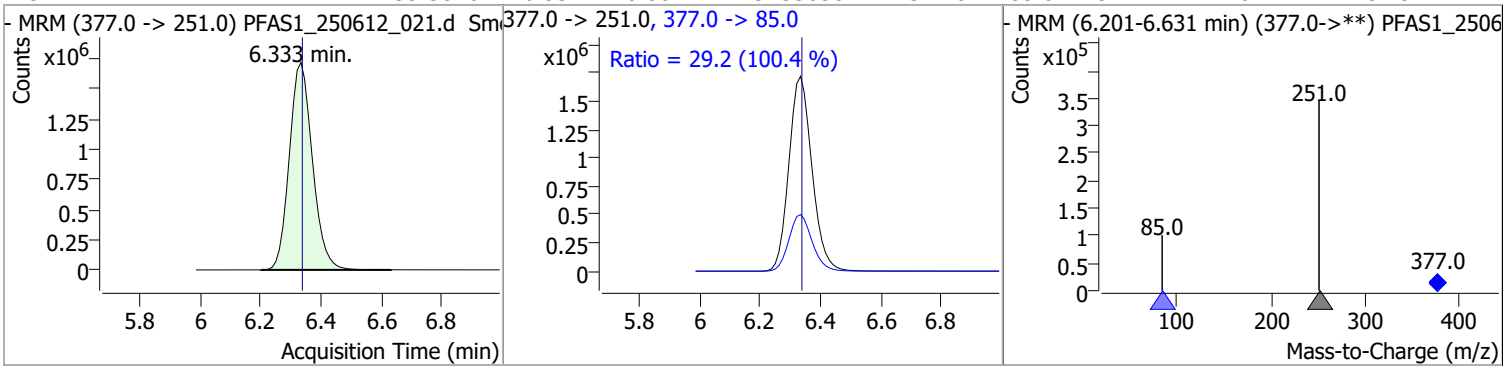
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	51.7628	6.14	0.00	3896676	363.0 -> 169.0	15.7	11.8	21.9



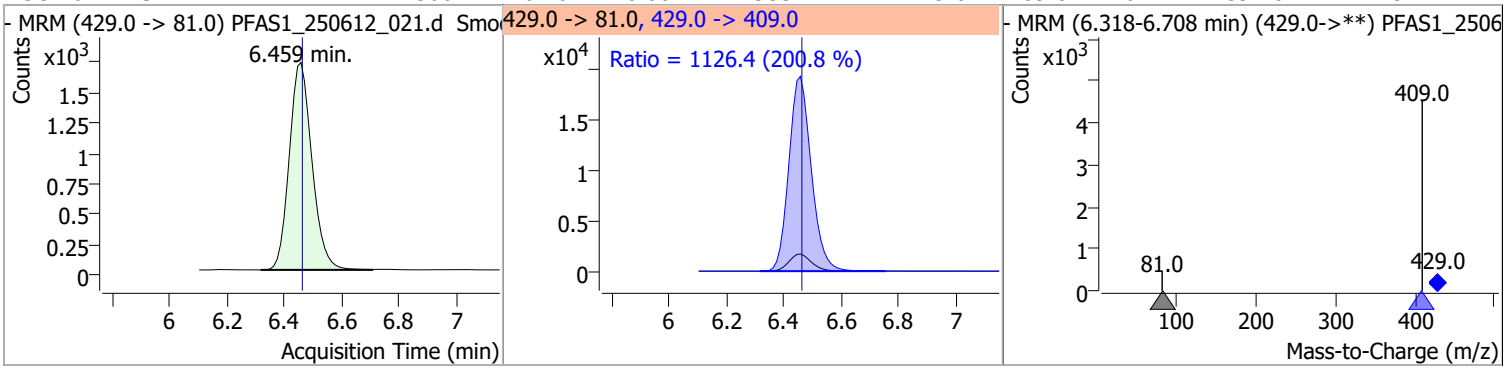
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	47.4088	6.24	0.00	558191	348.9 -> 99.0	46.8	33.0	61.3



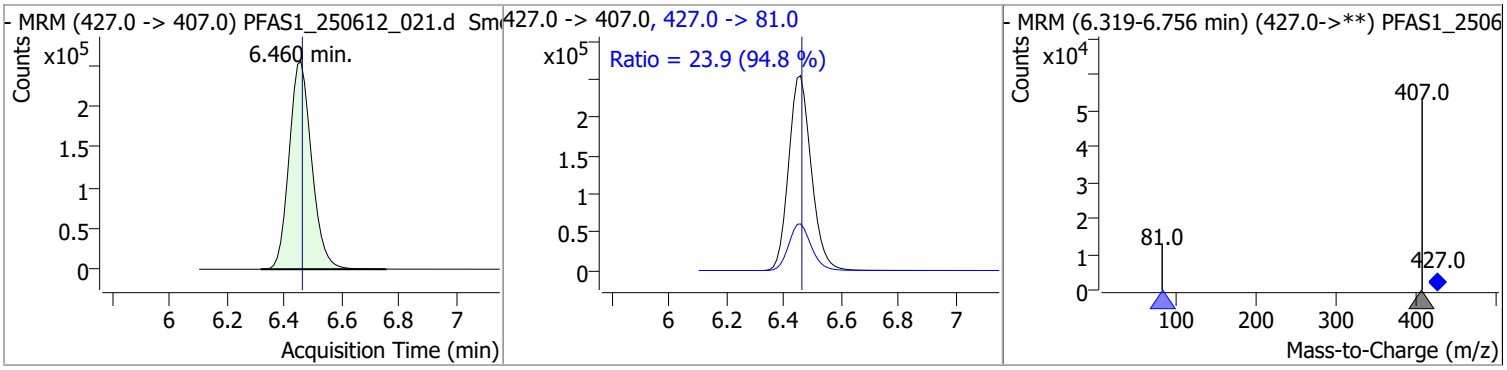
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	99.3876	6.33	0.00	9133850	377.0 -> 85.0	29.2	20.4	37.9



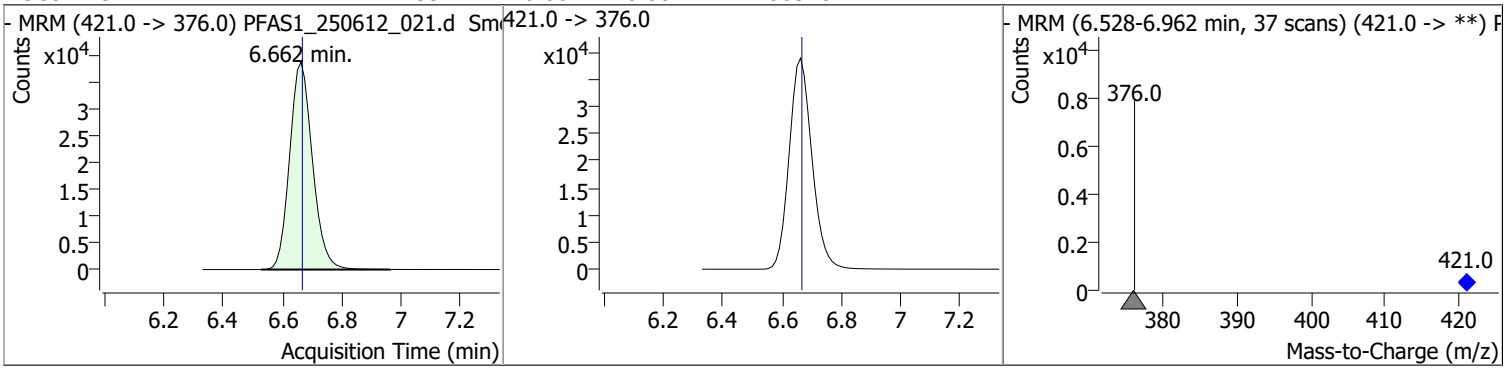
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.5662	6.46	0.00	9334	429.0 -> 409.0	1126.4	392.8	729.4



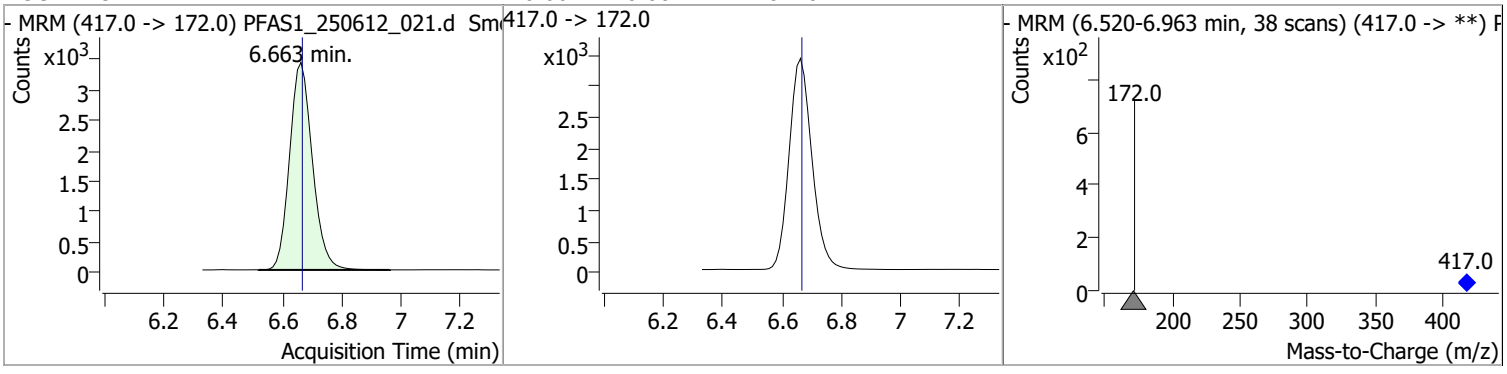
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	176.4797	6.46	0.00	1391558	427.0 -> 81.0	23.9	17.7	32.8



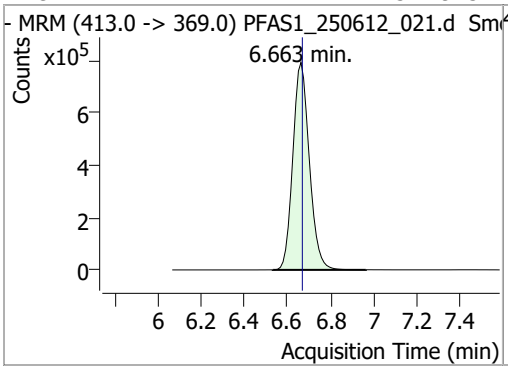
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5327	6.66	0.00	206528				

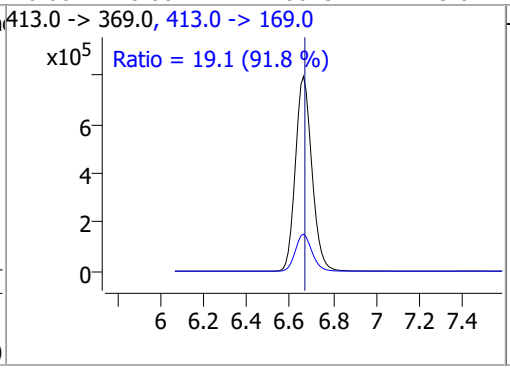


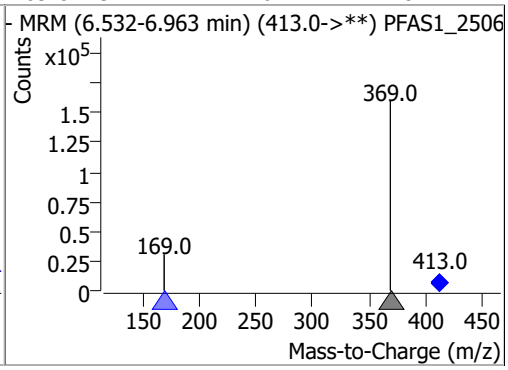
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	18210				



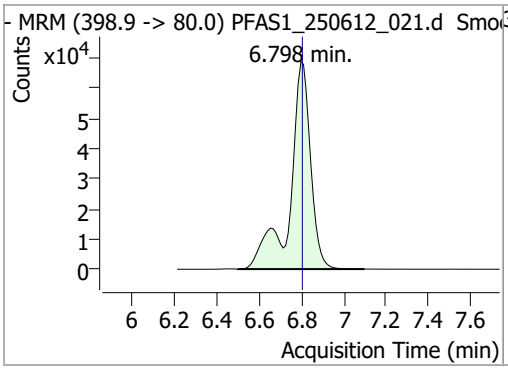
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	51.7925	6.66	0.00	4206752	413.0 -> 169.0	19.1	14.6	27.0

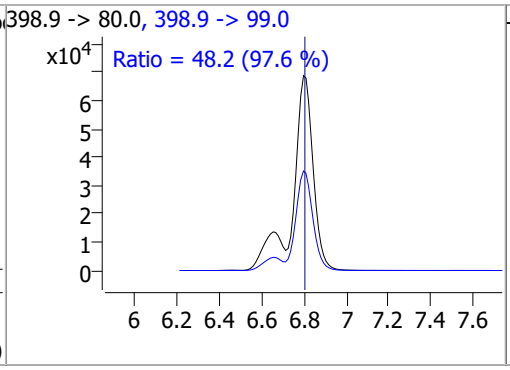


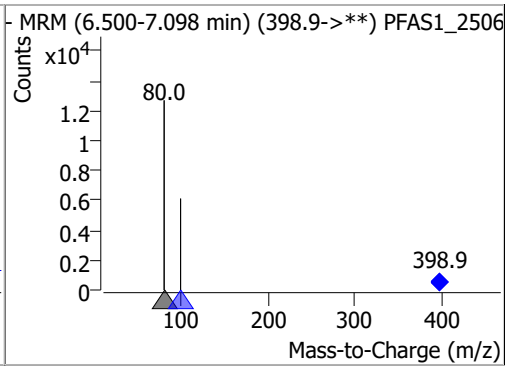




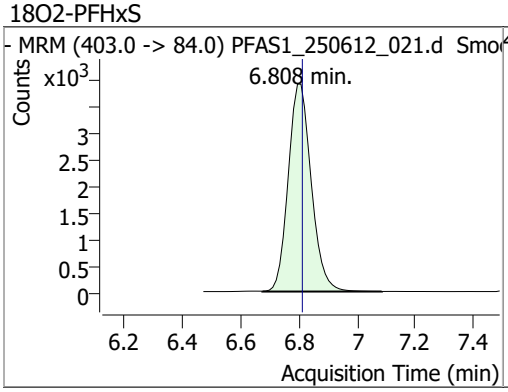
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	47.4912	6.80	0.00	463231	398.9 -> 99.0	48.2	34.6	64.2

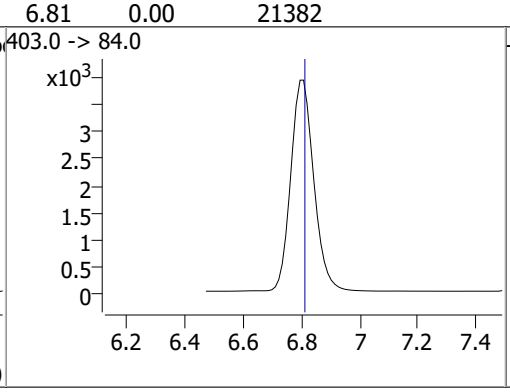


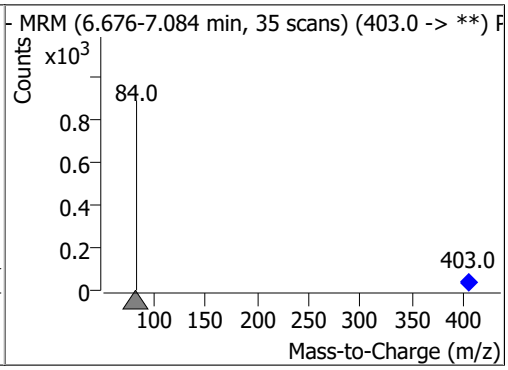




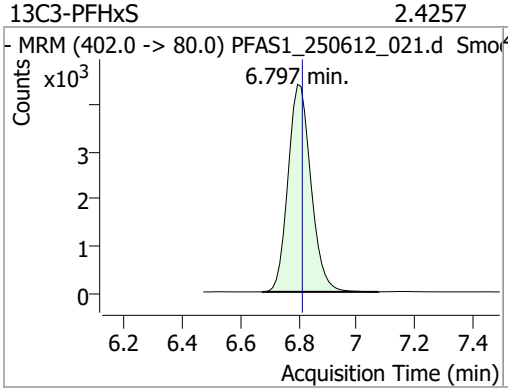
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	21382				

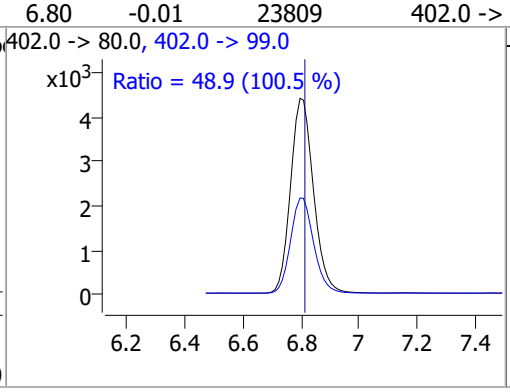


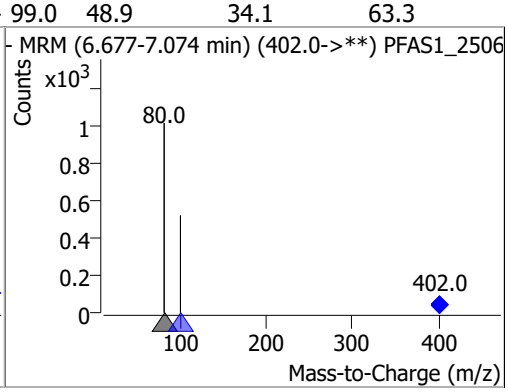




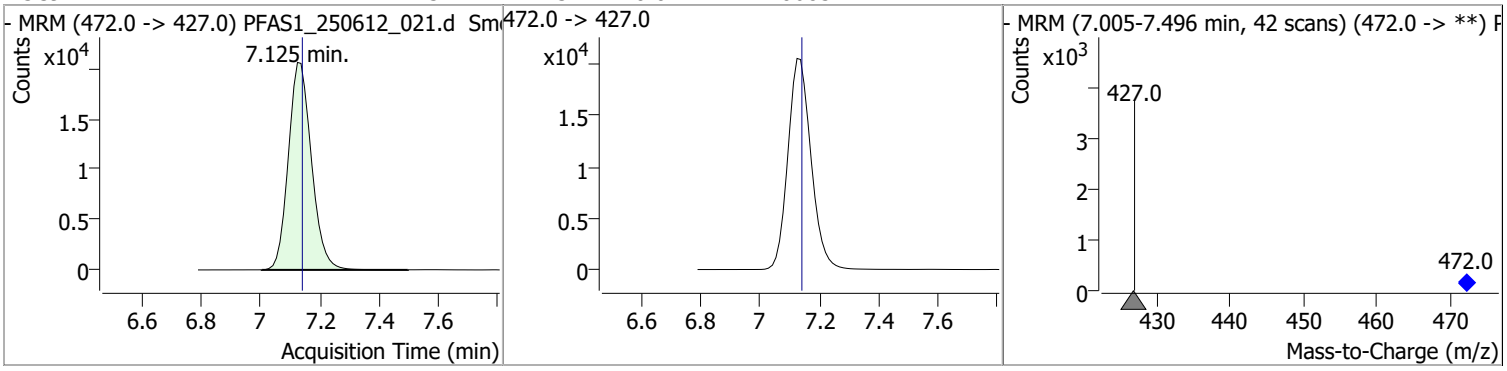
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4257	6.80	-0.01	23809	402.0 -> 99.0	48.9	34.1	63.3



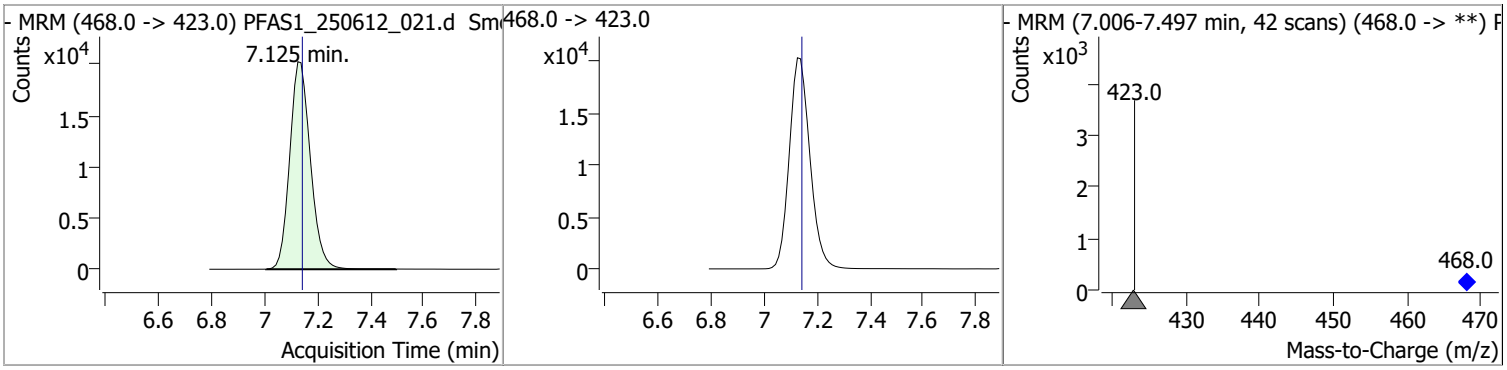




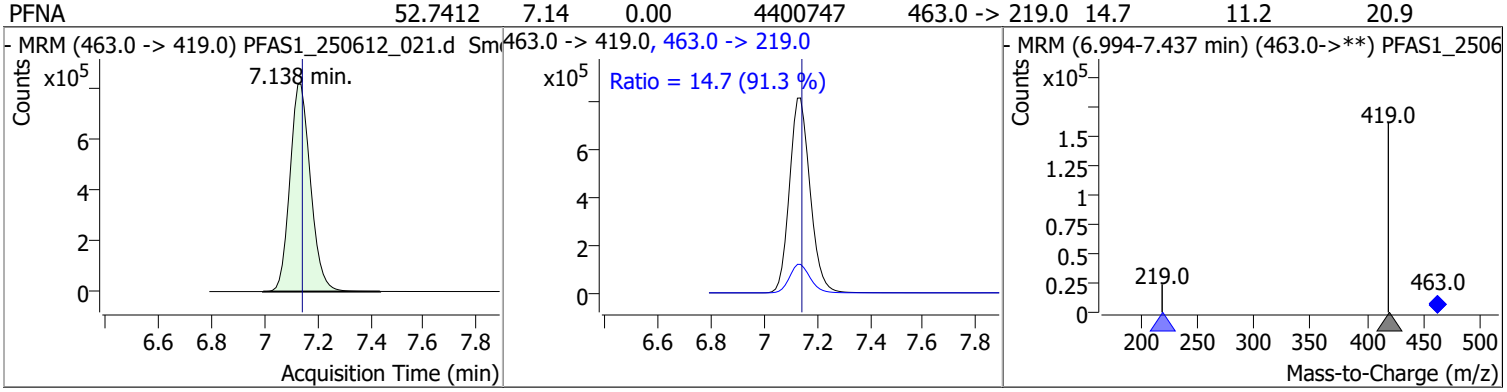
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2327	7.13	-0.01	110685				



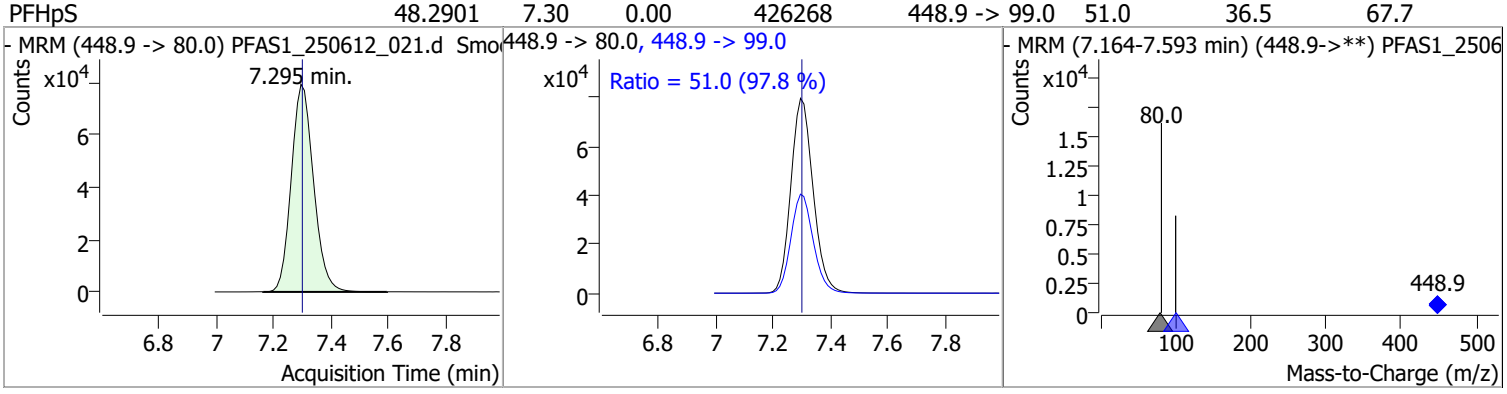
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	-0.01	109506				



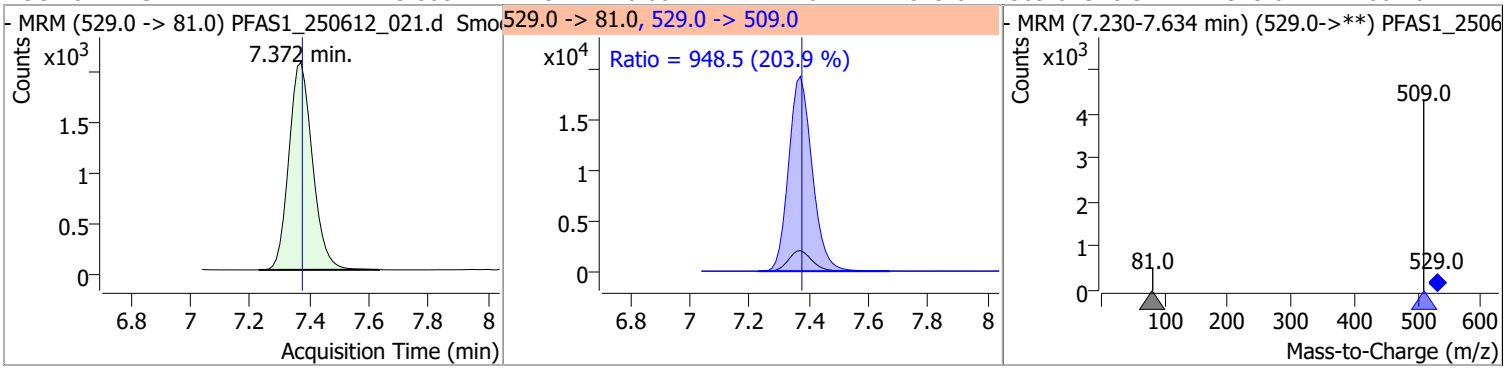
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	52.7412	7.14	0.00	4400747	463.0 -> 219.0	14.7	11.2	20.9



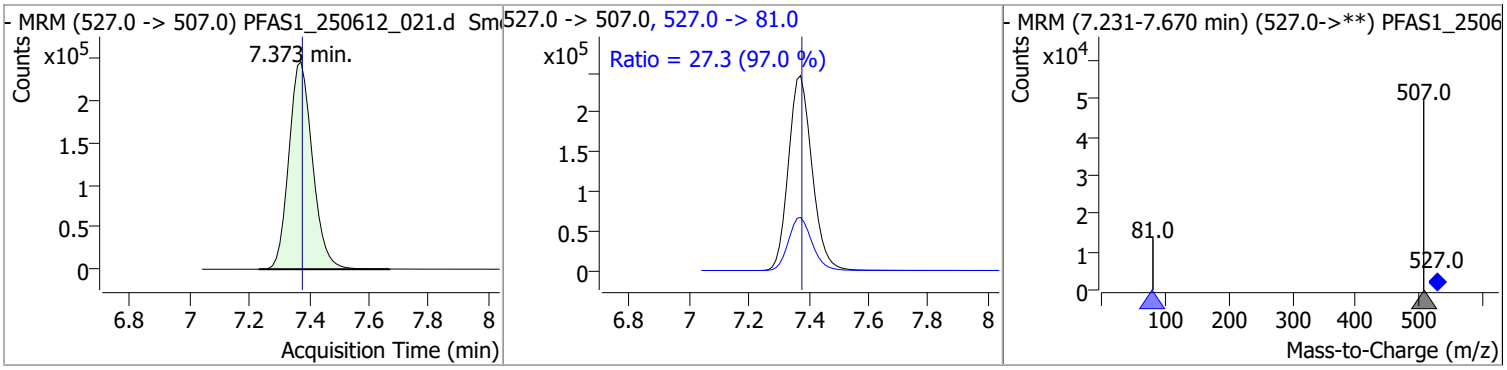
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	48.2901	7.30	0.00	426268	448.9 -> 99.0	51.0	36.5	67.7



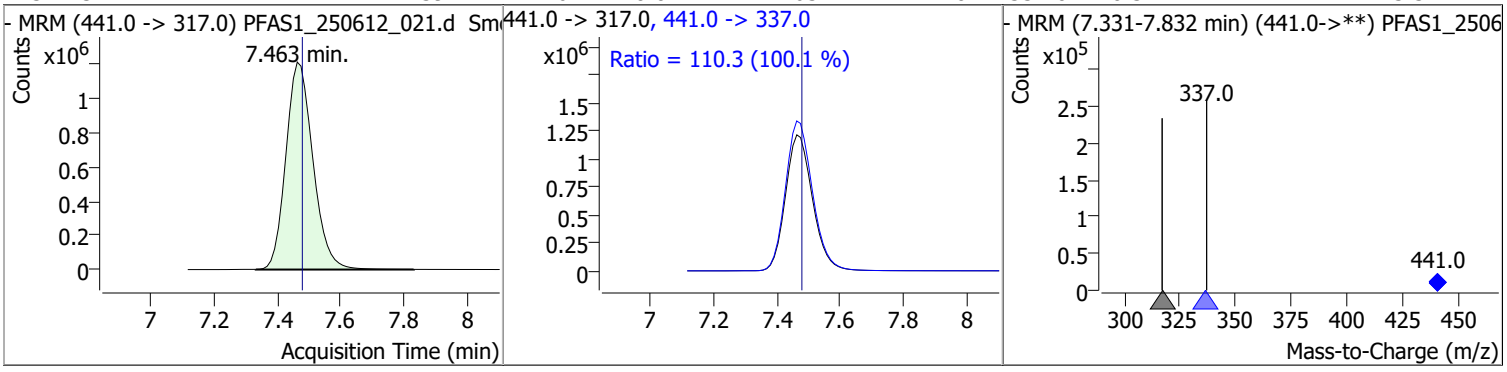
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0082	7.37	0.00	11210	529.0 -> 509.0	948.5	325.6	604.6



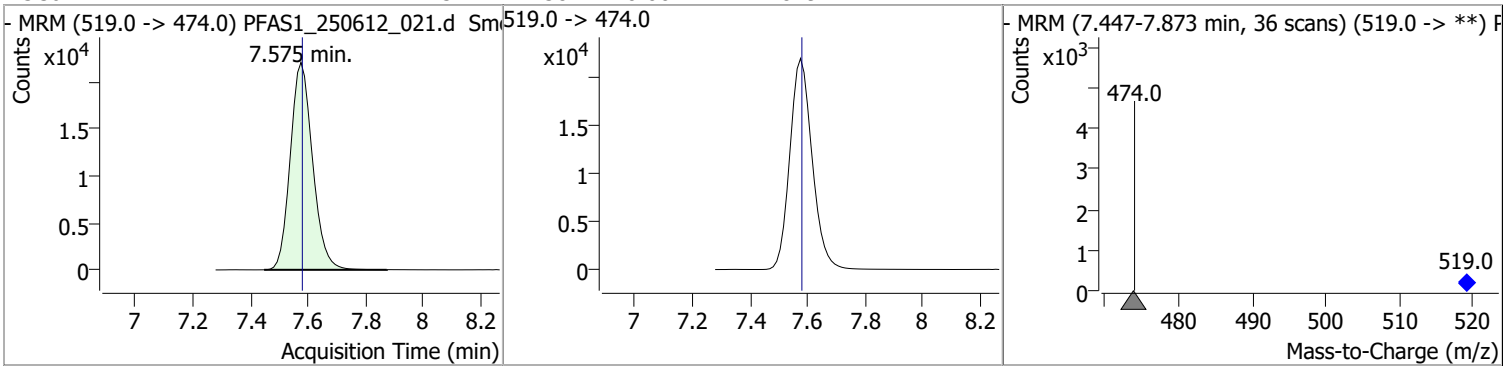
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	169.5989	7.37	0.00	1351004	527.0 -> 81.0	27.3	19.7	36.6



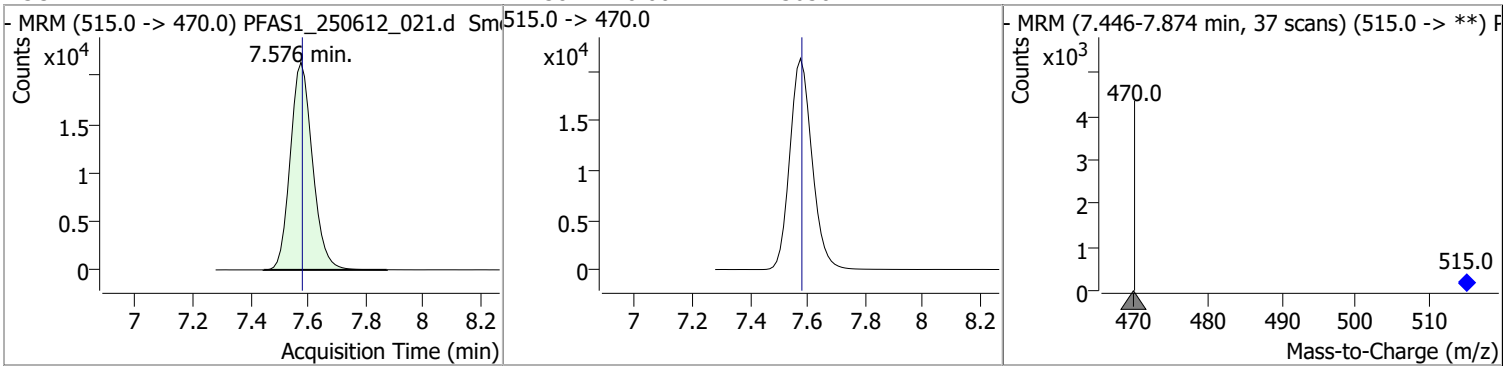
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	1139.4277	7.46	-0.01	7226377	441.0 -> 337.0	110.3	77.1	143.3



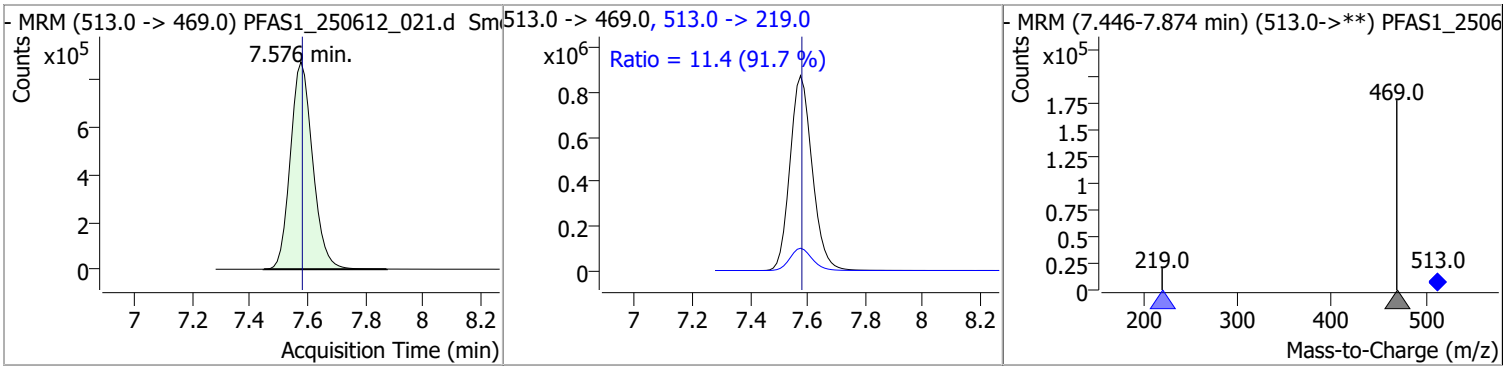
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2257	7.58	0.00	118291				



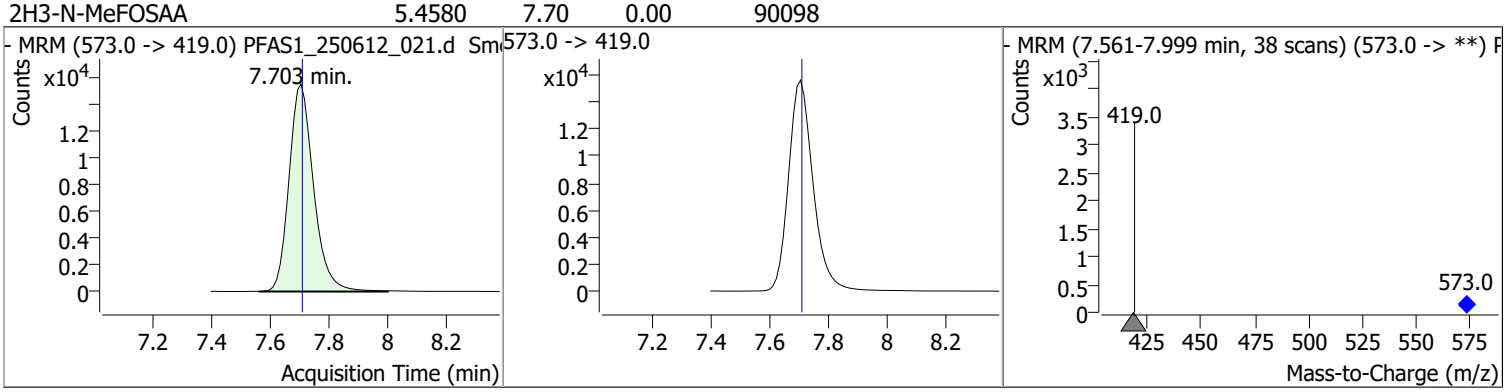
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	113650				



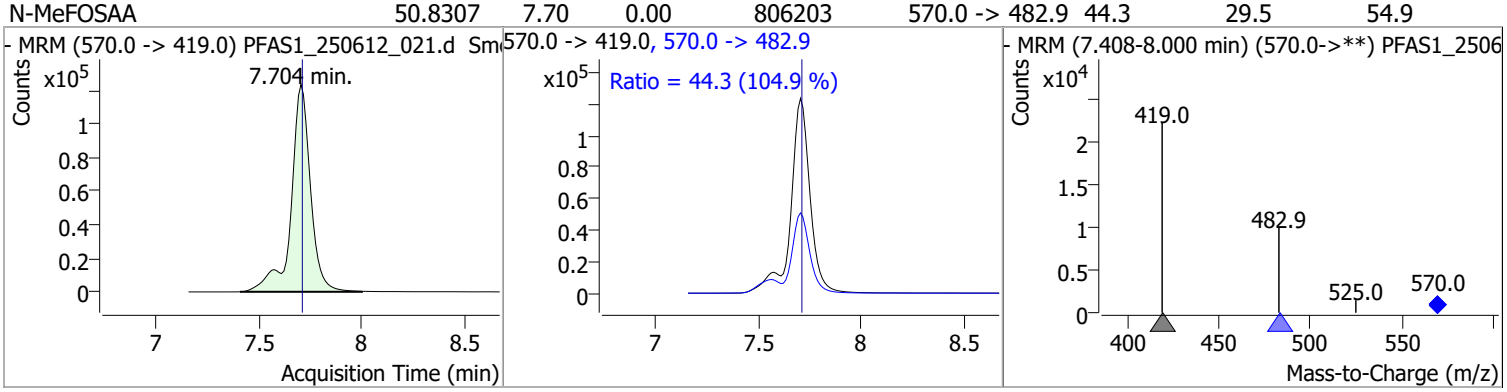
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	51.8346	7.58	0.00	4700858	513.0 -> 219.0	11.4	8.7	16.2



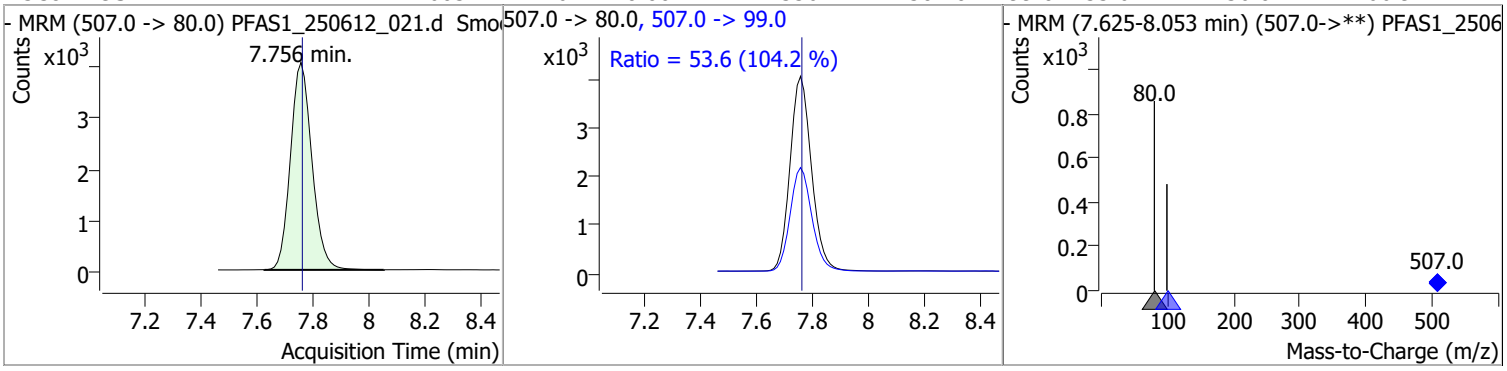
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.4580	7.70	0.00	90098				



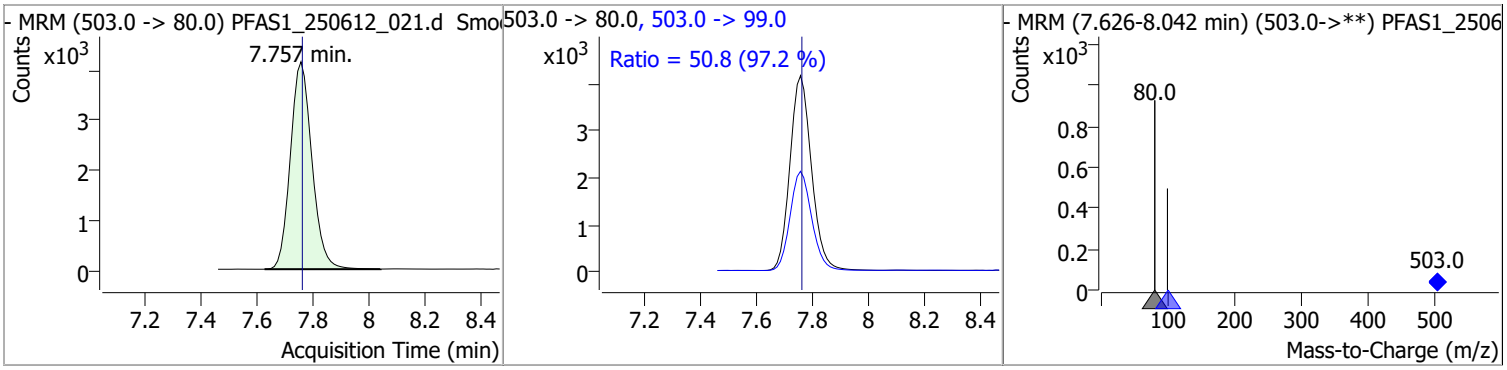
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	50.8307	7.70	0.00	806203	570.0 -> 482.9	44.3	29.5	54.9



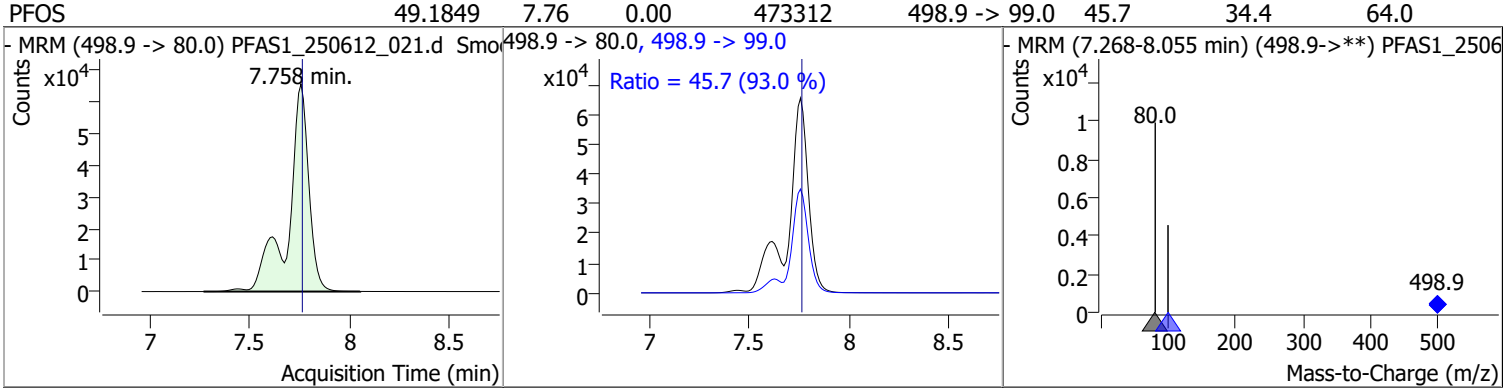
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4603	7.76	0.00	21556	507.0 -> 99.0	53.6	36.0	66.9



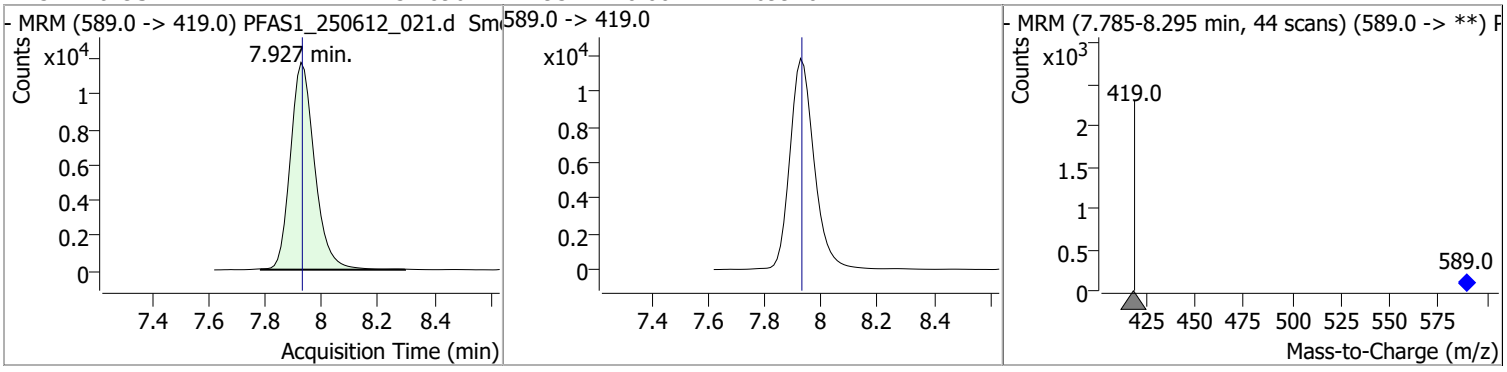
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	22108	503.0 -> 99.0	50.8	36.6	67.9



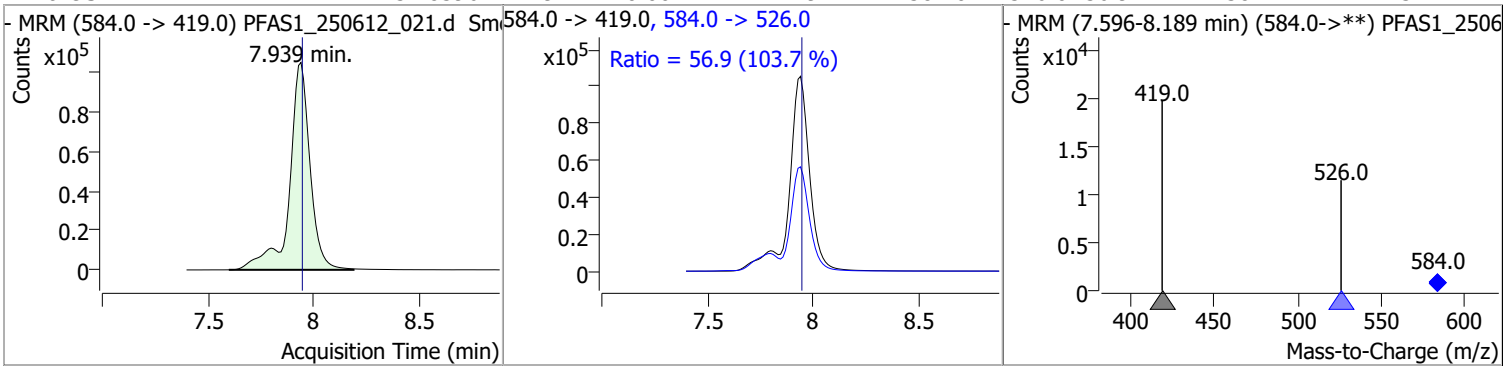
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	49.1849	7.76	0.00	473312	498.9 -> 99.0	45.7	34.4	64.0



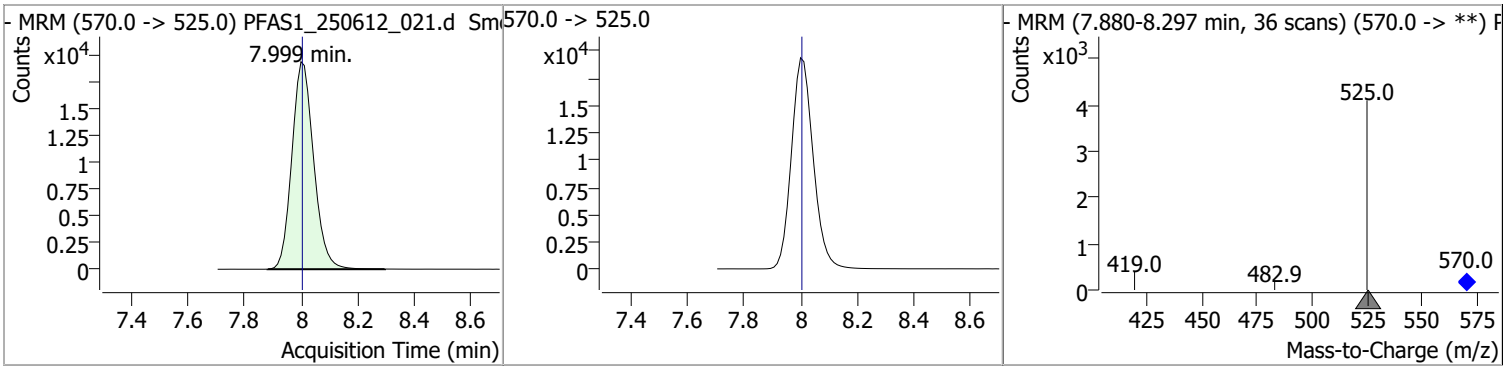
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2896	7.93	0.00	69970				



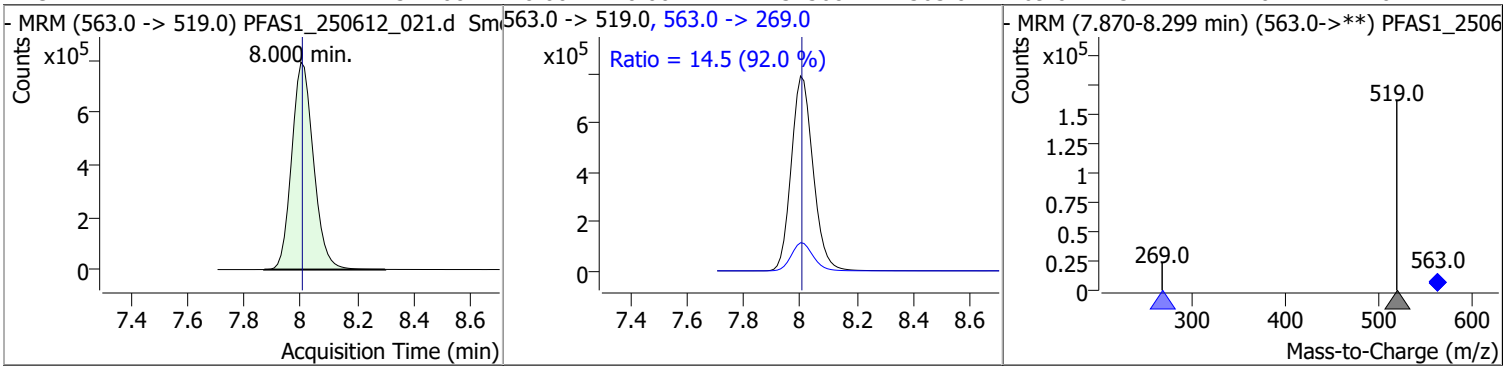
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	52.8396	7.94	0.00	714194	584.0 -> 526.0	56.9	38.4	71.3



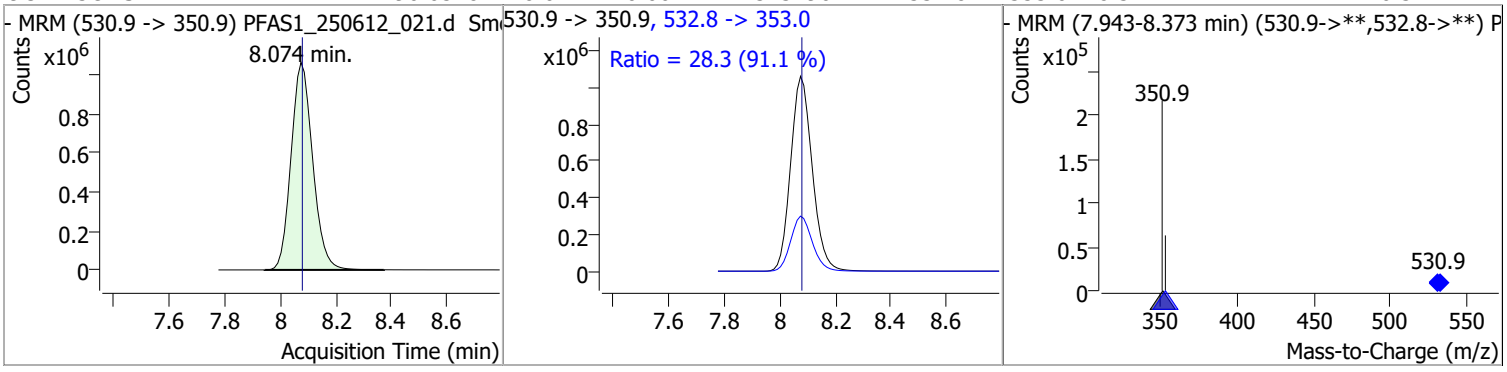
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2386	8.00	0.00	103790				



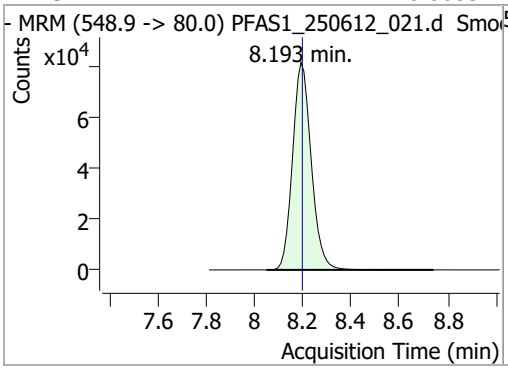
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	51.7084	8.00	0.00	4252568	563.0 -> 269.0	14.5	11.0	20.4

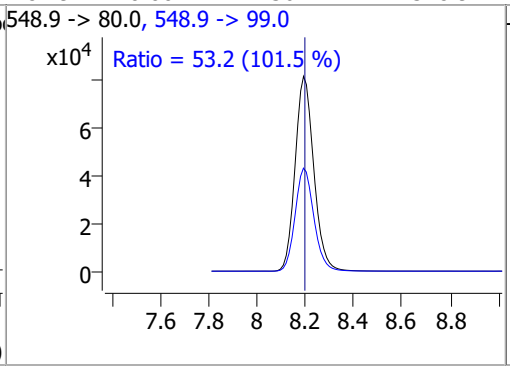


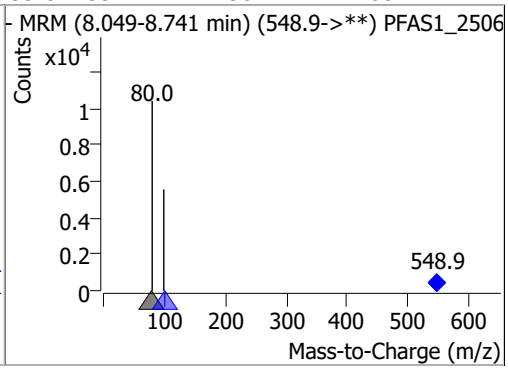
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	90.0548	8.07	0.00	5732901	532.8 -> 353.0	28.3	21.7	40.3



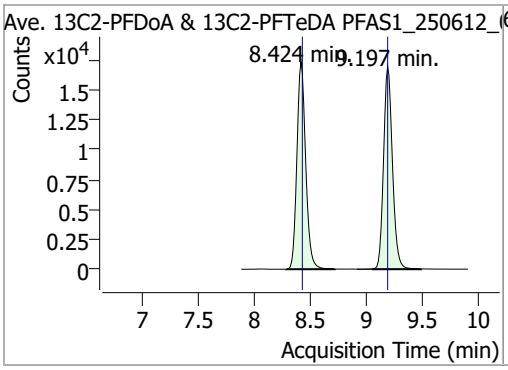
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	48.0683	8.19	0.00	436414	548.9 -> 99.0	53.2	36.7	68.1

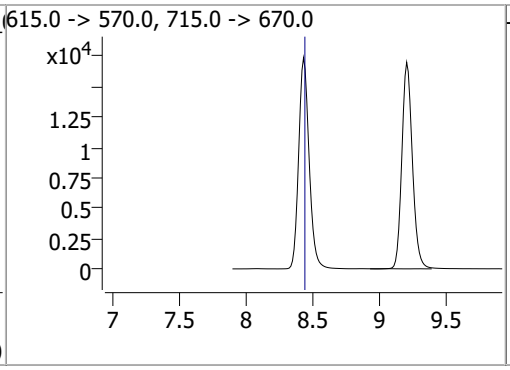


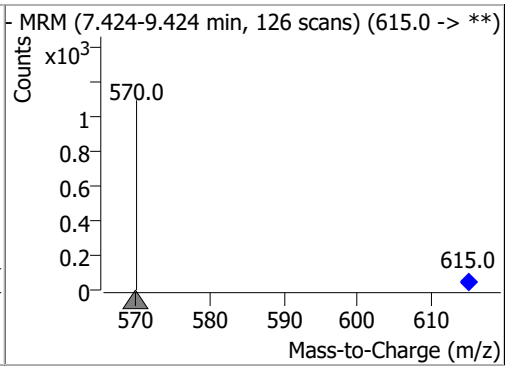




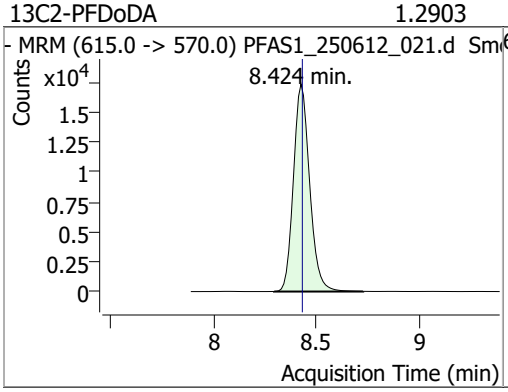
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.3004	8.81	0.39	93620				

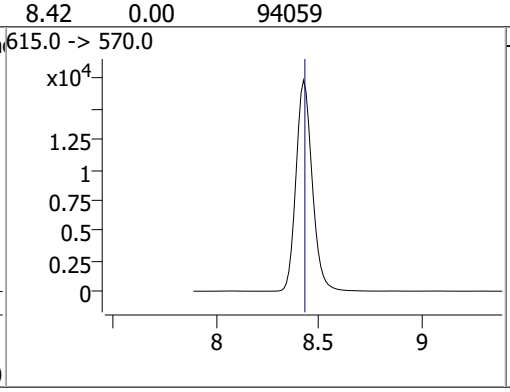


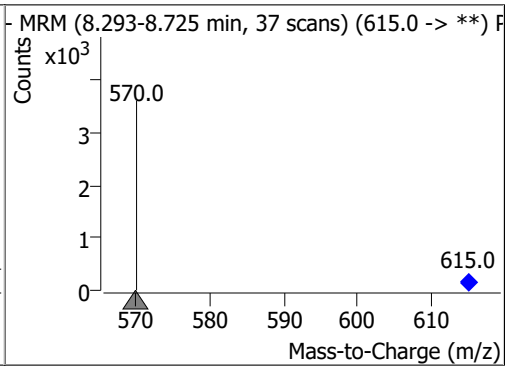




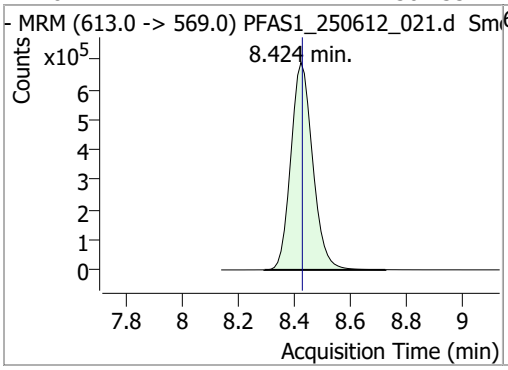
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2903	8.42	0.00	94059				

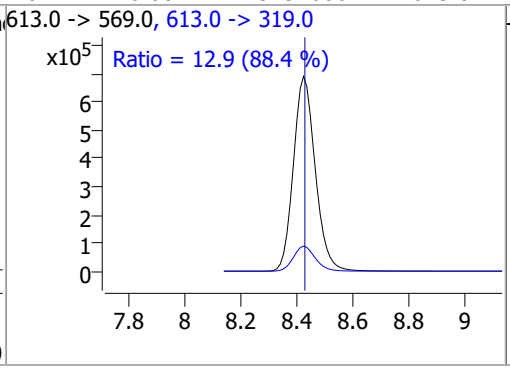


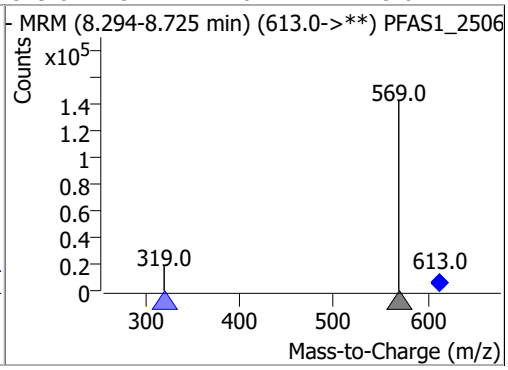




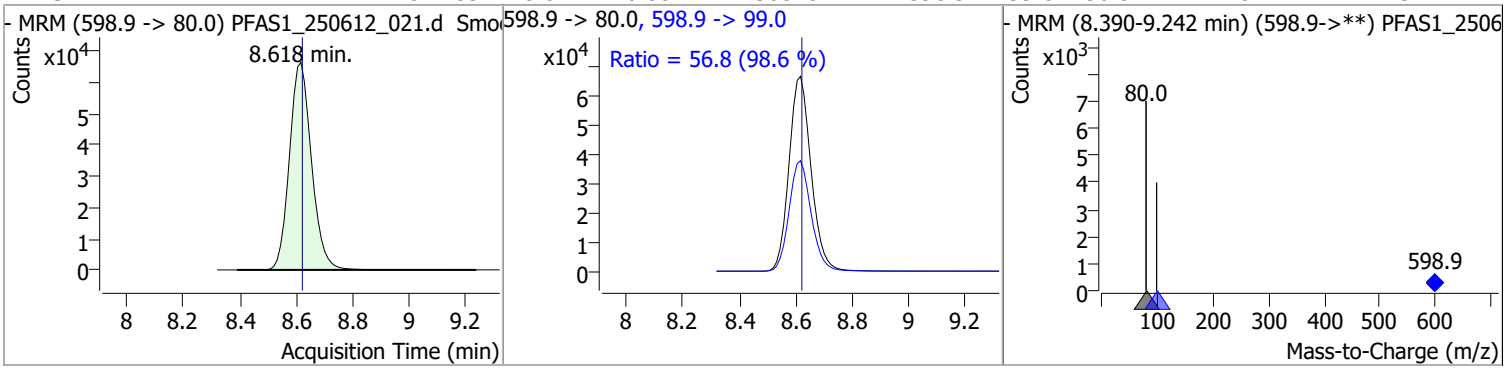
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	50.4354	8.42	0.00	3732688	613.0 -> 319.0	12.9	10.2	19.0



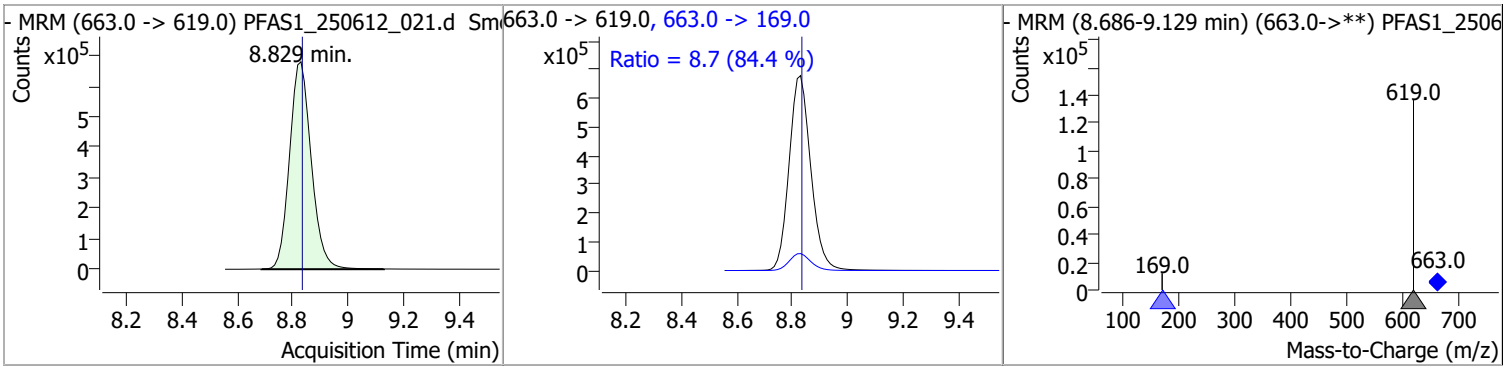




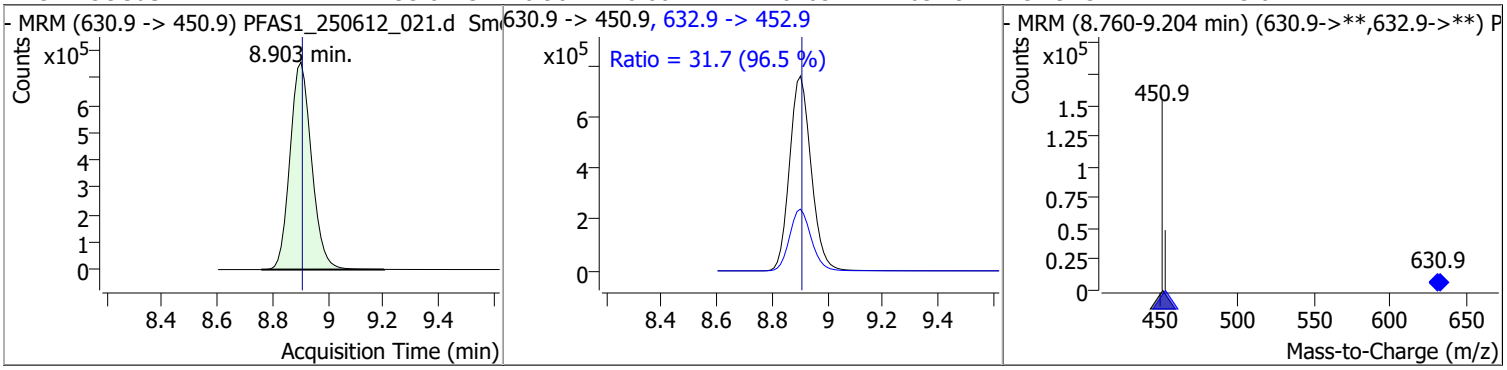
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	48.1265	8.62	0.00	360282	598.9 -> 99.0	56.8	40.4	74.9



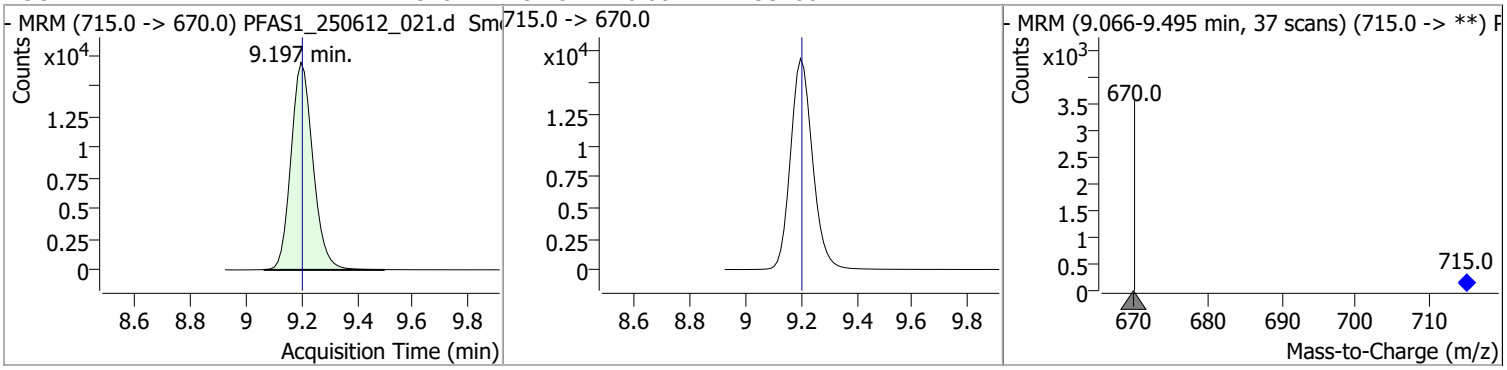
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	49.8337	8.83	0.00	3707764	663.0 -> 169.0	8.7	7.2	13.4



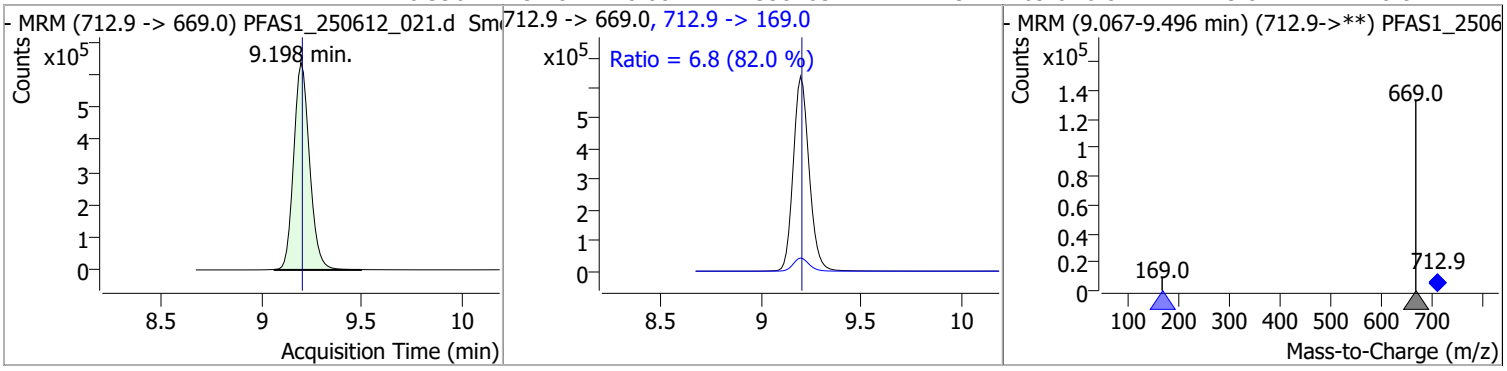
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	93.0443	8.90	0.00	4104837	632.9 -> 452.9	31.7	23.0	42.7



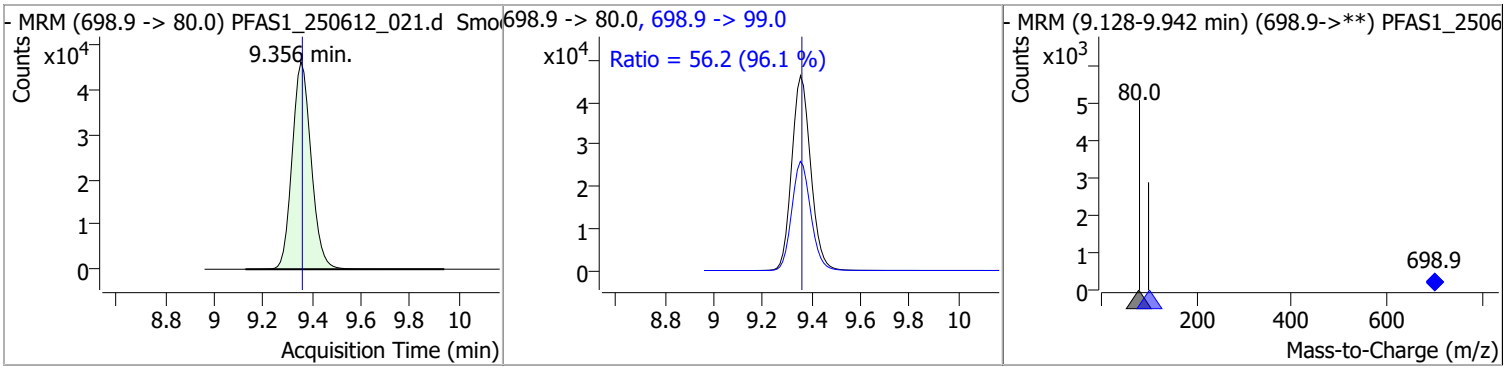
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.3107	9.20	0.00	93180				



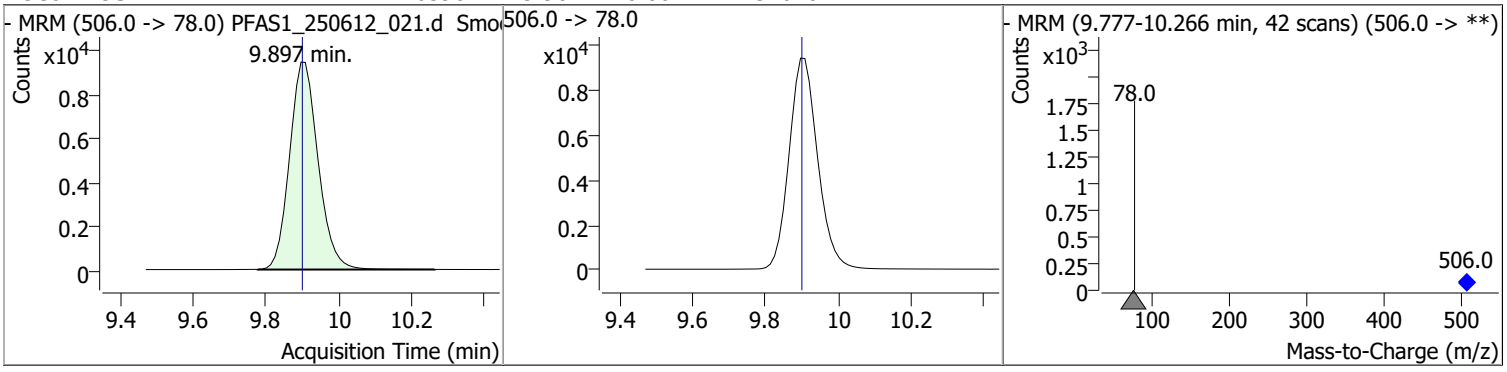
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	48.9961	9.20	0.00	3507037	712.9 -> 169.0	6.8	5.8	10.8



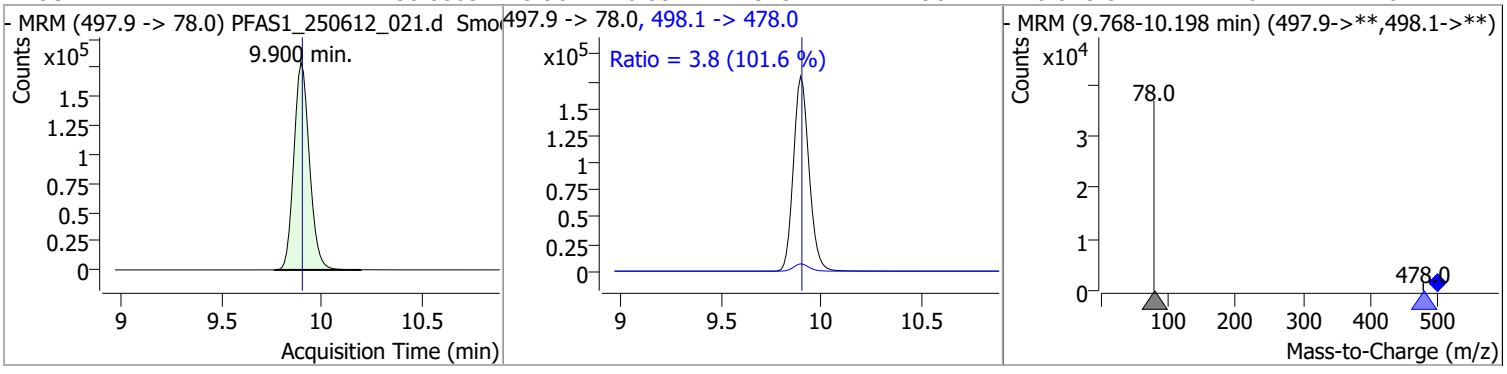
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	50.4879	9.36	0.00	248728	698.9 -> 99.0	56.2	41.0	76.1



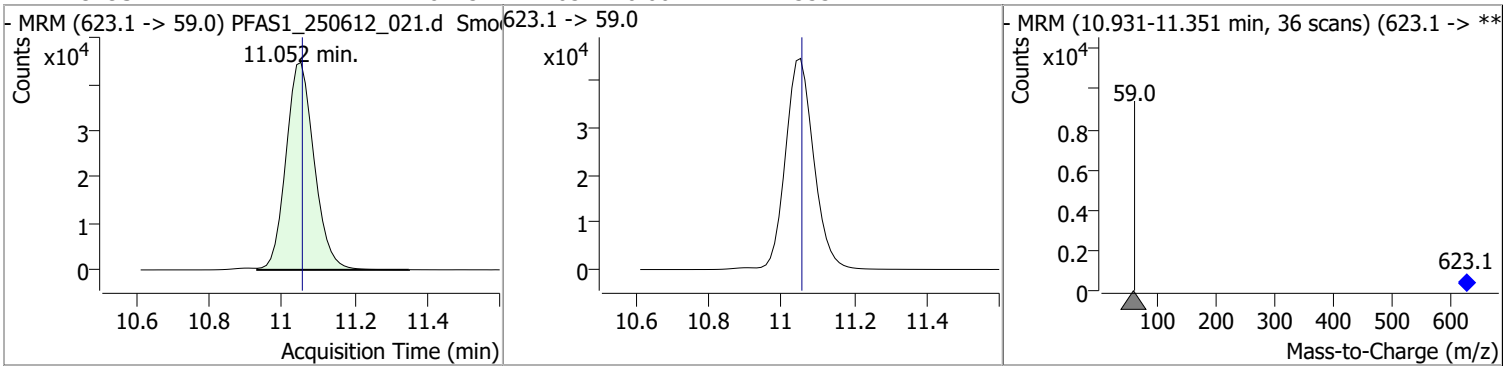
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.6598	9.90	0.00	51640				



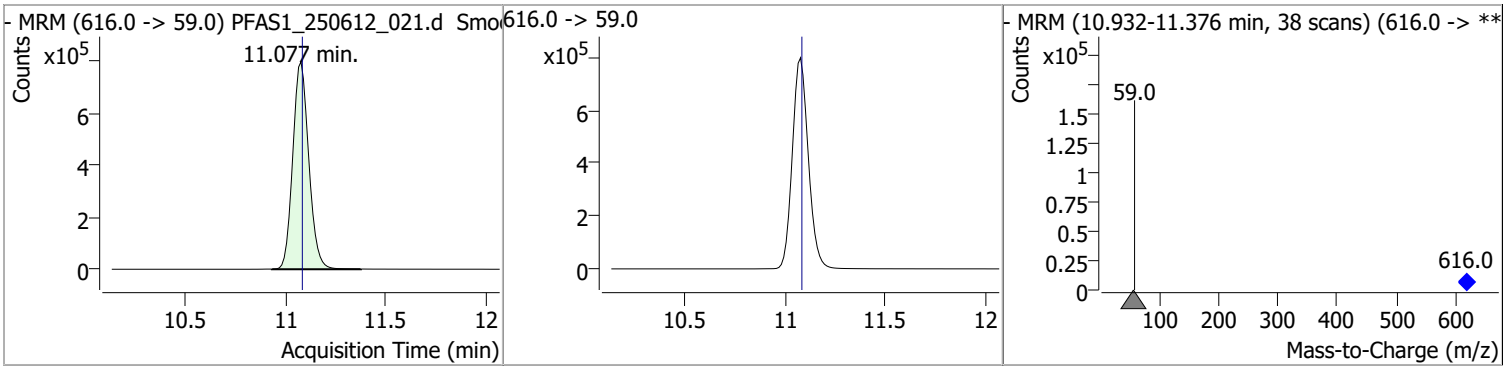
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	50.8865	9.90	0.00	973241	498.1 -> 478.0	3.8	2.6	4.8



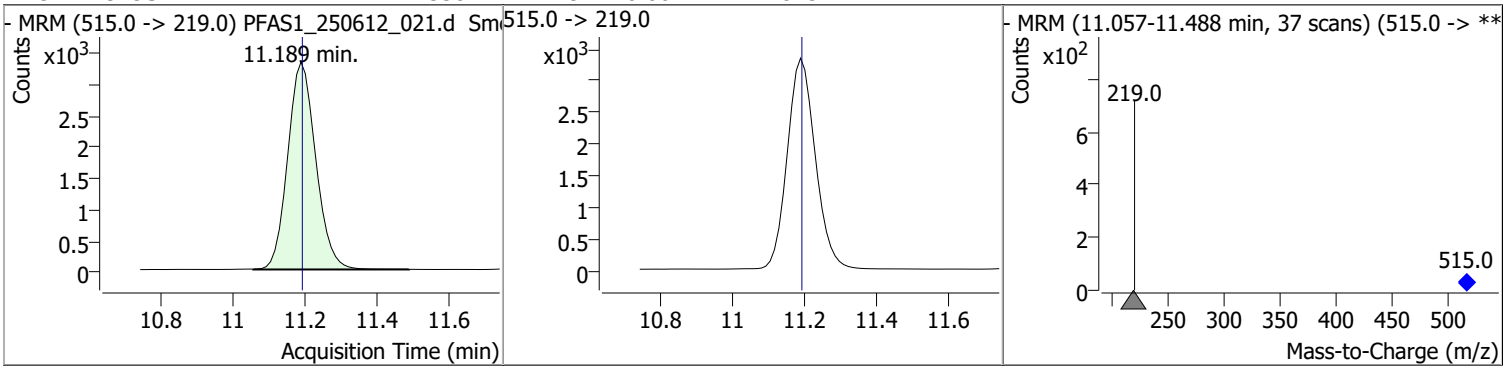
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.8115	11.05	0.00	241353				



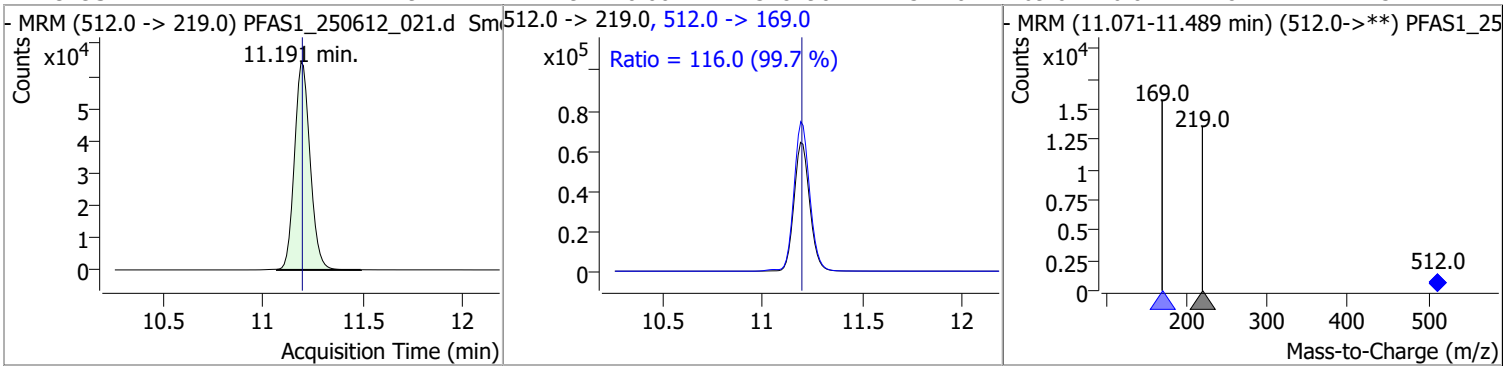
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	477.6368	11.08	0.00	4411628				



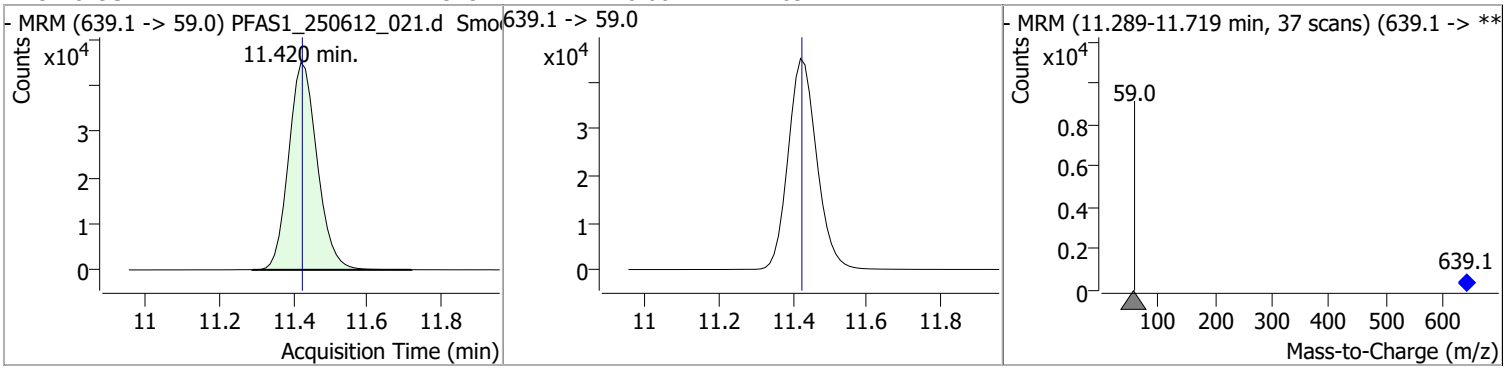
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.7338	11.19	0.00	17825				



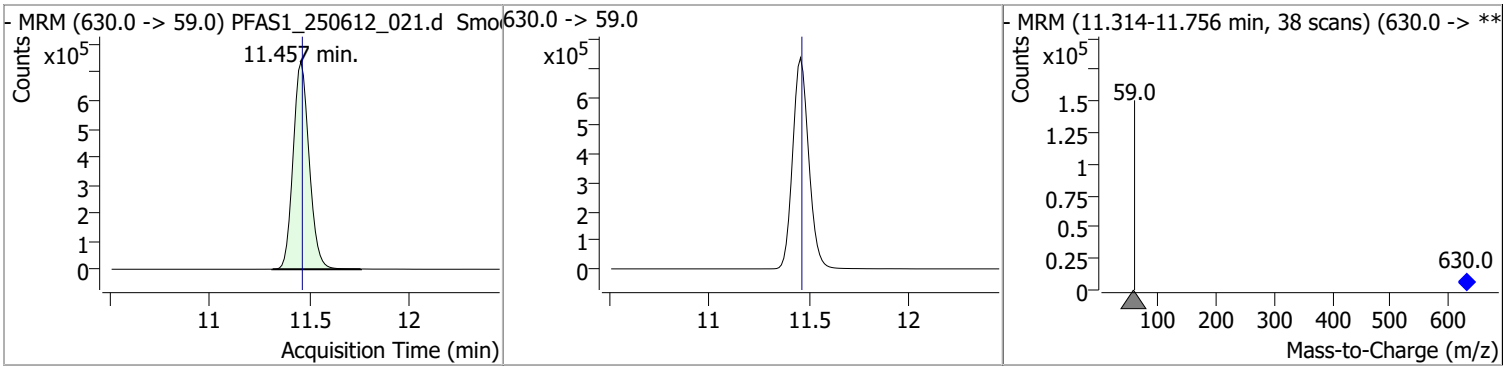
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	49.7441	11.19	0.00	348490	512.0 -> 169.0	116.0	81.4	151.2



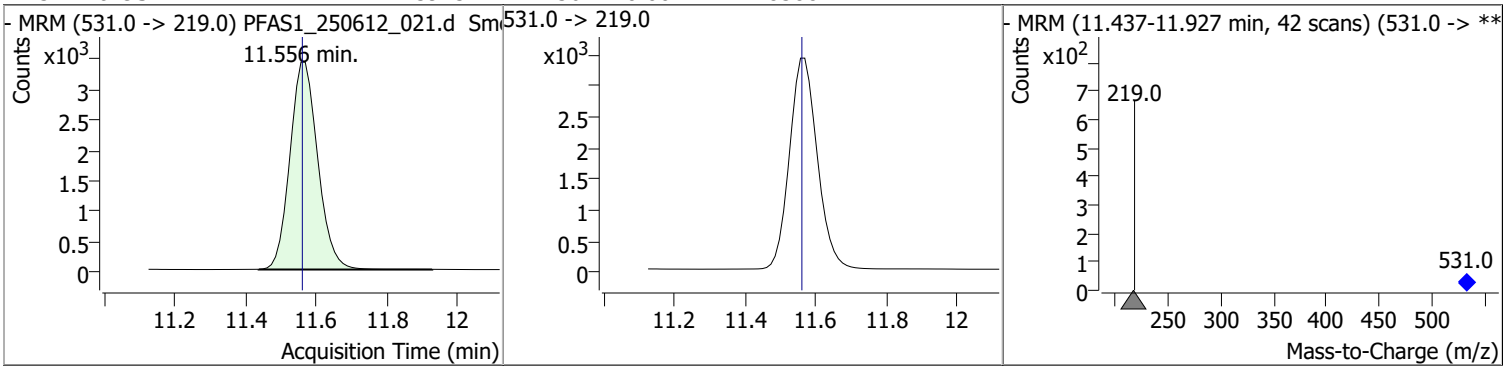
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.7575	11.42	0.00	240914				



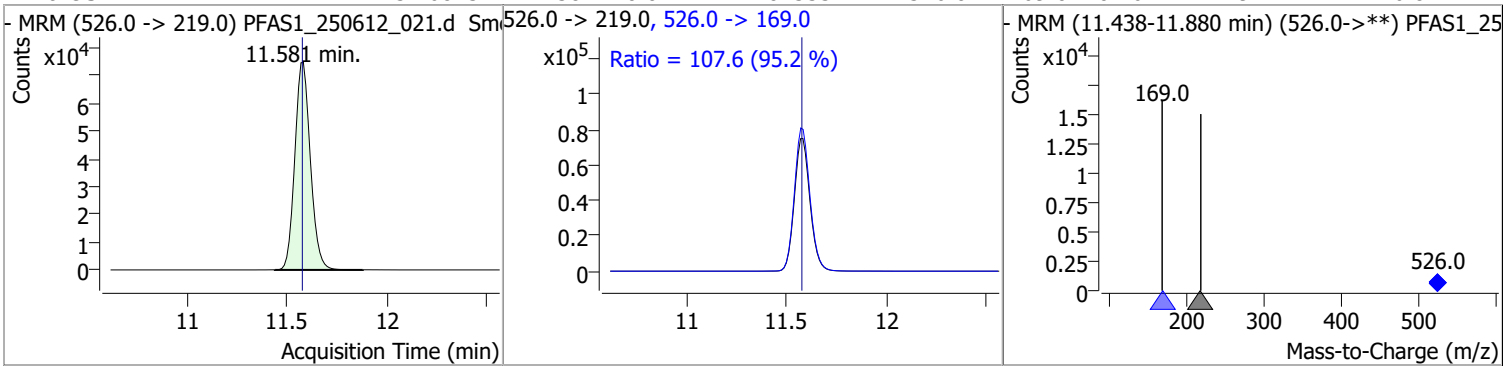
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	458.7818	11.46	0.00	4101592				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5945	11.56	0.00	18588				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	51.6873	11.58	0.01	407333	526.0 -> 169.0	107.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_013.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 3:45:35 PM
Sample Name	SEQ-CAL2	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

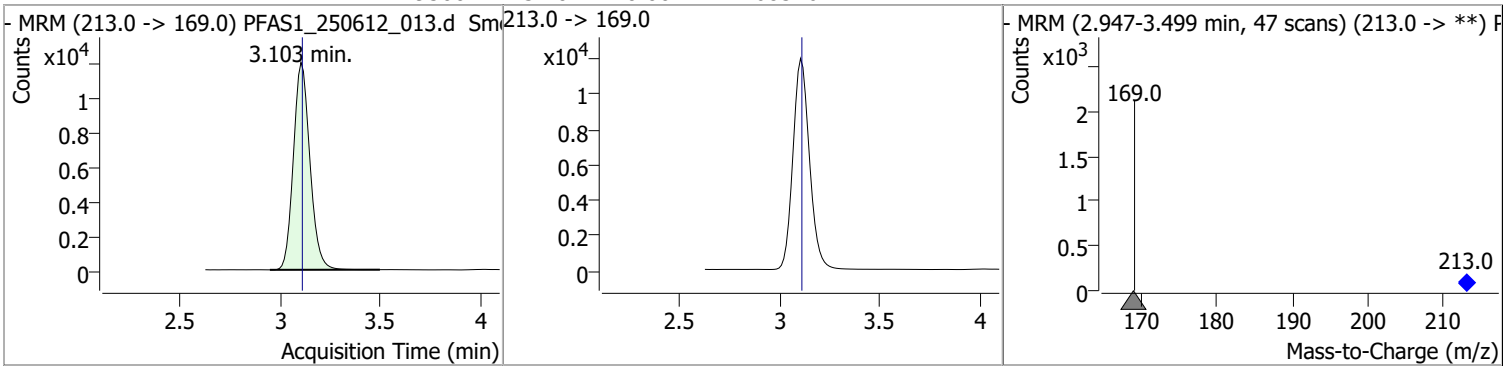
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	173494	5.0000	µg/L	9.683
13C2-PFHxA	5.479	315.0 -> 270.0	188866	2.5000	µg/L	5.703
18O2-PFHxS	6.808	403.0 -> 84.0	24328	2.5000	µg/L	3.523
13C4-PFOA	6.663	417.0 -> 172.0	21014	2.5000	µg/L	4.055
13C5-PFNA	7.137	468.0 -> 423.0	124933	1.2500	µg/L	4.391
13C2-PFDA	7.576	515.0 -> 470.0	131044	1.2500	µg/L	4.725
13C4-PFOS	7.757	503.0 -> 80.0	26116	2.5000	µg/L	4.608
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	396829	10.0000	µg/L	8.723
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%		
13C4-PFBA	3.107	217.0 -> 172.0	396829	10.0000	µg/L	8.723
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.07%		
13C5-PFPeA	4.594	268.0 -> 223.0	283286	5.0000	µg/L	5.012
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.38%		
13C5-PFPeA	4.594	268.0 -> 223.0	283286	5.0000	µg/L	5.012
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.38%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	19454	5.0000	µg/L	20.722
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 117.22%		
13C5-PFHxA	5.478	318.0 -> 273.0	192559	2.5000	µg/L	4.652
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.99%		
13C5-PFHxA	5.478	318.0 -> 273.0	192559	2.5000	µg/L	4.652
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.99%		
13C3-PFBS	5.494	302.0 -> 80.0	46349	2.5000	µg/L	8.732
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.24%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	232535	10.0000	µg/L	4.806
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.12%		
13C4-PFHpA	6.142	367.0 -> 322.0	222568	2.5000	µg/L	4.395
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.72%		
13C3-PFHxS	6.809	402.0 -> 80.0	29003	2.5000	µg/L	7.493
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.88%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12837	5.0000	µg/L	13.832
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 110.38%		
13C8-PFOA	6.662	421.0 -> 376.0	232352	2.5000	µg/L	2.858
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.77%		
13C3-PFHxS	6.809	402.0 -> 80.0	29003	2.5000	µg/L	7.493
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.88%		
13C9-PFNA	7.137	472.0 -> 427.0	127697	1.2500	µg/L	4.071
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.72%		
13C8-PFOS	7.756	507.0 -> 80.0	25961	2.5000	µg/L	4.920
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.34%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12846	5.0000	µg/L	4.371
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.88%		
13C6-PFDA	7.575	519.0 -> 474.0	140458	1.2500	µg/L	5.684
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.97%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	93215	5.0000	µg/L	0.295

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.60%			
13C8-PFOS	7.756	507.0 -> 80.0	25961	2.5000	µg/L		4.920
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.34%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	76341	5.0000	µg/L		2.415
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.71%			
13C7-PFUnDA	8.011	570.0 -> 525.0	121779	1.2500	µg/L		5.561
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.83%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.816	615.0 -> 570.0	101038	1.2500	µg/L		2.055
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.37%			
13C2-PFDoDA	8.424	615.0 -> 570.0	103179	1.2500	µg/L		2.921
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.21%			
13C2-PFTDA	9.209	715.0 -> 670.0	98897	1.2500	µg/L		1.167
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.52%			
13C8-PFOSA	9.897	506.0 -> 78.0	55726	2.5000	µg/L		1.887
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.19%			
2H7-MeFOSE	11.052	623.1 -> 59.0	280394	25.0000	µg/L		2.070
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.61%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18605	2.5000	µg/L		1.371
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.62%			
2H9-EtFOSE	11.420	639.1 -> 59.0	285070	25.0000	µg/L		3.747
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.20%			
2H5-N-EtFOSA	11.556	531.0 -> 219.0	21176	2.5000	µg/L		4.847
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.08%			
Target Compounds							QValue
PFBA	3.103	213.0 -> 169.0	68546	1.9500	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.50%			
PFMPA	3.794	229.0 -> 85.0	25130	0.9841	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.41%			
3-3 FTCA	4.030	241.0 -> 177.0	2569	1.8872	µg/L		99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 94.36%			
PFPeA	4.596	263.0 -> 219.0	53502	0.9867	µg/L	#	100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.67%			
PFMBA	4.910	279.0 -> 85.0	33361	0.9733	µg/L		100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.33%			
4-2 FTSA	5.239	327.0 -> 307.0	23724	1.7952	µg/L		99
Spiked Amount: 1.875	Range: 70 - 130%			Recovery = 95.74%			
NFDHA	5.390	295.0 -> 201.0	3039	1.0128	µg/L		93
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.28%			
PFHxA	5.480	313.0 -> 269.0	37326	0.4864	µg/L		100
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 97.28%			
PFBS	5.495	298.9 -> 80.0	8705	0.4201	µg/L		96
Spiked Amount: 0.444	Range: 70 - 130%			Recovery = 94.73%			
HFPO-DA	5.736	285.0 -> 169.0	22456	0.9671	µg/L		99
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 96.71%			
PFEESA	5.860	314.9 -> 135.0	52651	0.9170	µg/L		98
Spiked Amount: 0.890	Range: 70 - 130%			Recovery = 103.04%			
5-3 FTCA	6.132	341.0 -> 237.0	60847	9.6197	µg/L		99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.20%			
PFHpA	6.142	363.0 -> 319.0	41760	0.4923	µg/L		98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 98.46%			
PFPeS	6.229	348.9 -> 80.0	6319	0.4550	µg/L		97
Spiked Amount: 0.471	Range: 70 - 130%			Recovery = 96.71%			
DONA	6.333	377.0 -> 251.0	95578	0.9247	µg/L		98
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 97.85%			

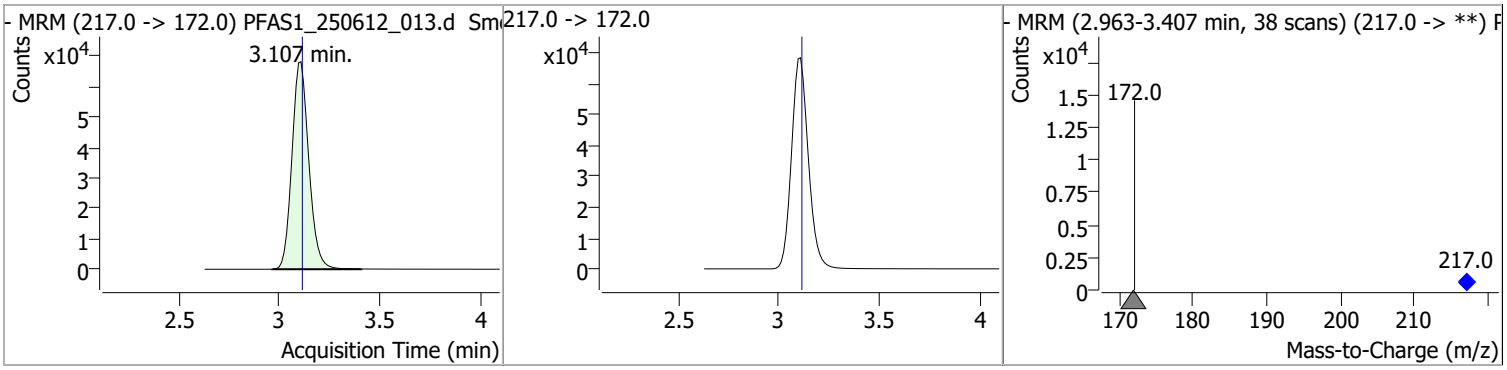
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	20672	1.8838	µg/L	99
Spiked Amount: 1.900	Range: 70 - 130%			Recovery = 99.15%		
PFOA	6.663	413.0 -> 369.0	44871	0.5010	µg/L	97
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.20%		
PFHxS	6.810	398.9 -> 80.0	5568	0.4618	µg/L	97
Spiked Amount: 0.457	Range: 70 - 130%			Recovery = 101.06%		
PFNA	7.138	463.0 -> 419.0	44908	0.4783	µg/L	98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 95.66%		
PFHpS	7.307	448.9 -> 80.0	5047	0.4733	µg/L	97
Spiked Amount: 0.477	Range: 70 - 130%			Recovery = 99.32%		
8-2 FTSA	7.373	527.0 -> 507.0	17826	1.9673	µg/L	100
Spiked Amount: 1.920	Range: 70 - 130%			Recovery = 102.47%		
7-3 FTCA	7.463	441.0 -> 317.0	67605	9.6737	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.74%		
PFDA	7.576	513.0 -> 469.0	51597	0.4962	µg/L	98
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 99.23%		
N-MeFOSAA	7.716	570.0 -> 419.0	7774	0.4709	µg/L	96
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 94.18%		
PFOS	7.758	498.9 -> 80.0	5613	0.4566	µg/L	98
Spiked Amount: 0.464	Range: 70 - 130%			Recovery = 98.40%		
N-EtFOSAA	7.939	584.0 -> 419.0	6928	0.4796	µg/L	96
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 95.92%		
PFUnDA	8.012	563.0 -> 519.0	45803	0.4855	µg/L	96
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 97.11%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	69634	0.9288	µg/L	99
Spiked Amount: 0.935	Range: 70 - 130%			Recovery = 99.34%		
PFNS	8.204	548.9 -> 80.0	4941	0.4478	µg/L	97
Spiked Amount: 0.481	Range: 70 - 130%			Recovery = 93.11%		
PFDoDA	8.424	613.0 -> 569.0	39967	0.4975	µg/L	96
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 99.50%		
PFDS	8.618	598.9 -> 80.0	4238	0.4858	µg/L	100
Spiked Amount: 0.483	Range: 70 - 130%			Recovery = 100.67%		
PFTrDA	8.829	663.0 -> 619.0	38542	0.4952	µg/L	95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 99.03%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	48278	0.9384	µg/L	98
Spiked Amount: 0.945	Range: 70 - 130%			Recovery = 99.30%		
PFTDA	9.198	712.9 -> 669.0	37091	0.5025	µg/L	96
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 100.50%		
PFDoS	9.368	698.9 -> 80.0	2635	0.4632	µg/L	96
Spiked Amount: 0.485	Range: 70 - 130%			Recovery = 95.50%		
PFOSA	9.900	497.9 -> 78.0	10073	0.4928	µg/L	99
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 98.55%		
MeFOSE	11.077	616.0 -> 59.0	55901	5.1352	µg/L	100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.70%		
N-MeFOSA	11.191	512.0 -> 219.0	3426	0.4702	µg/L	95
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 94.03%		
EtFOSE	11.457	630.0 -> 59.0	56688	5.1474	µg/L	100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.95%		
N-EtFOSA	11.569	526.0 -> 219.0	4103	0.4761	µg/L	99
Spiked Amount: 0.500	Range: 70 - 130%			Recovery = 95.22%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

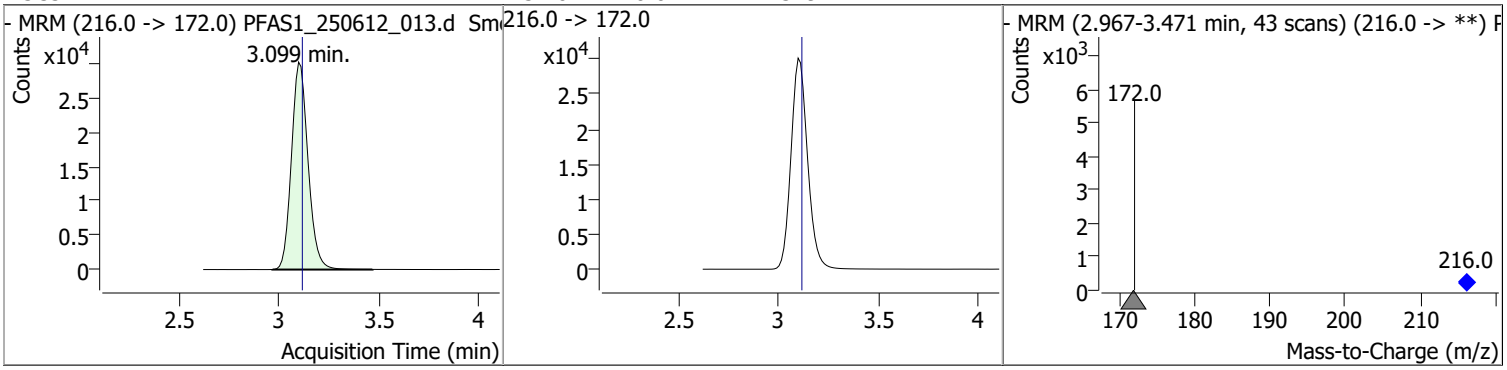
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	1.9500	3.10	0.00	68546				



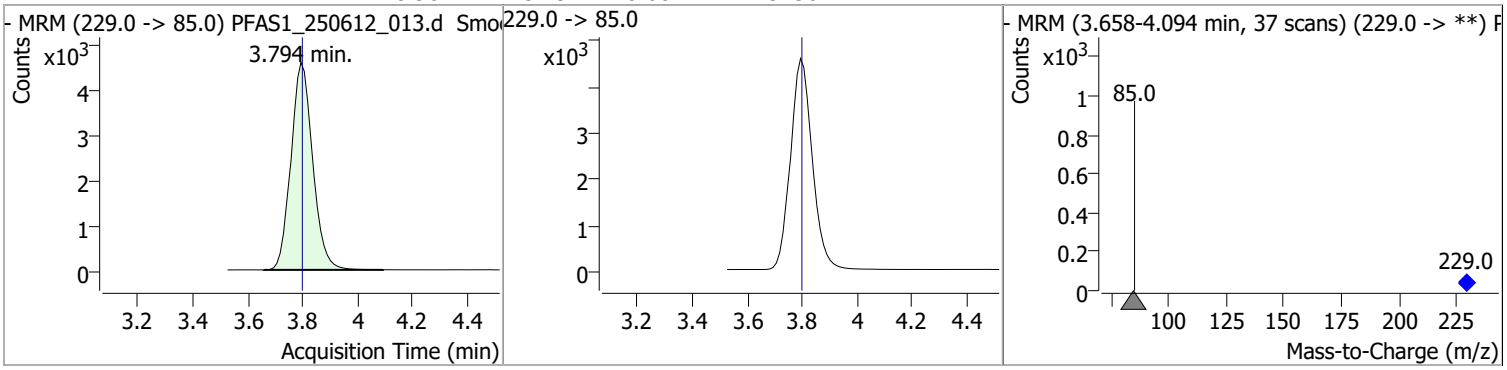
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9067	3.11	0.00	396829				



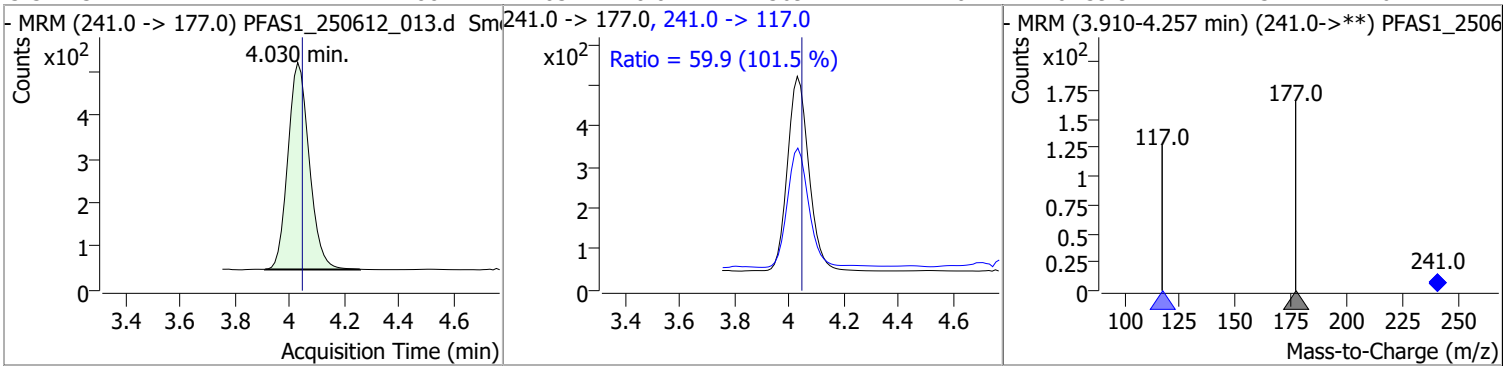
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	173494				



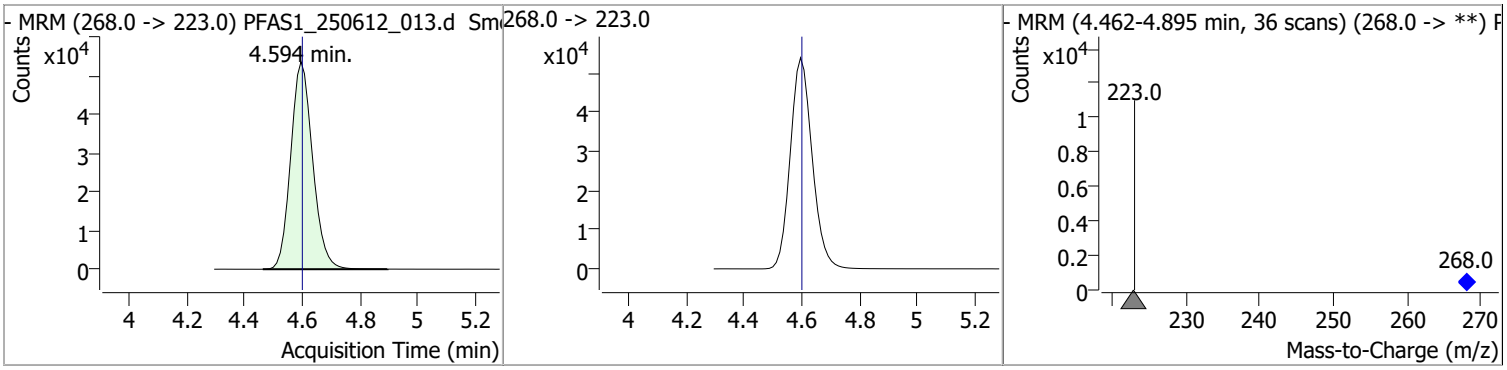
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.9841	3.79	0.00	25130				



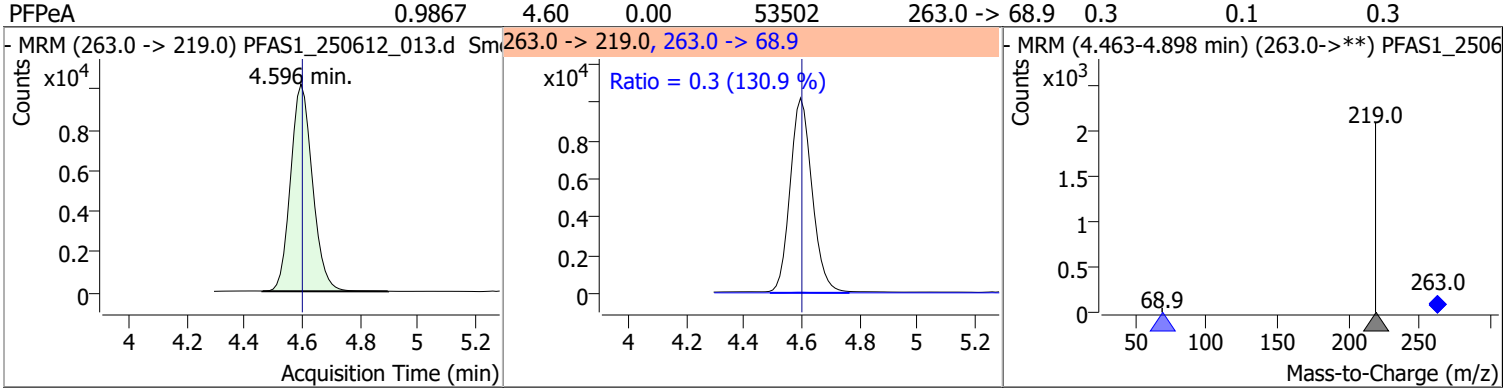
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	1.8872	4.03	-0.01	2569	241.0 -> 117.0	59.9	41.3	76.7



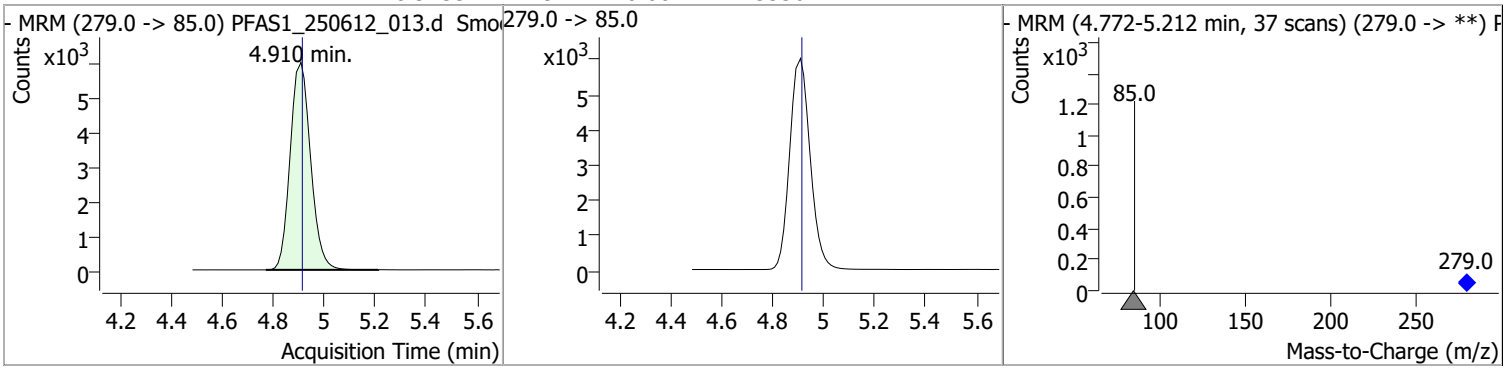
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9690	4.59	0.00	283286				



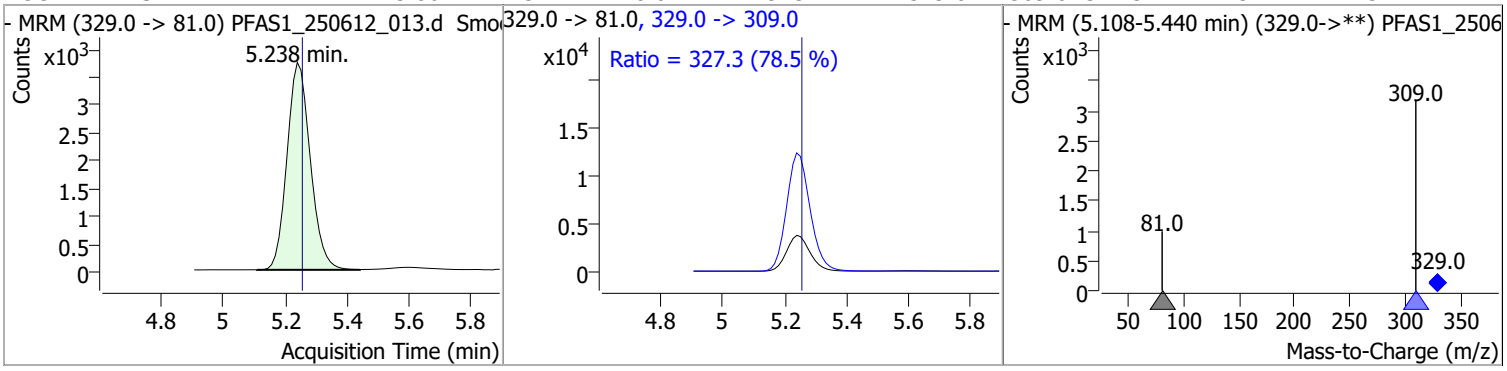
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.9867	4.60	0.00	53502	263.0 -> 68.9	0.3	0.1	0.3



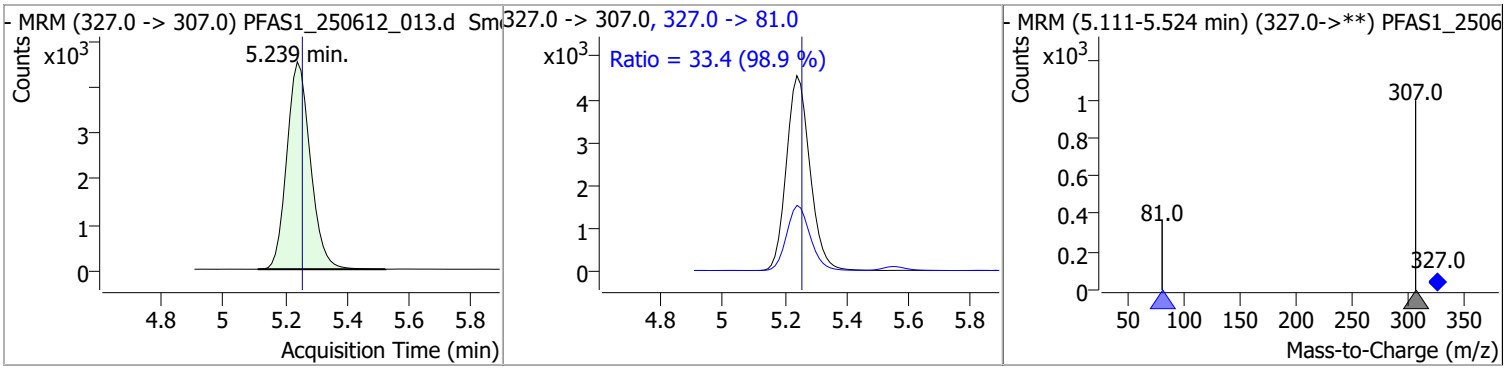
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.9733	4.91	0.00	33361				



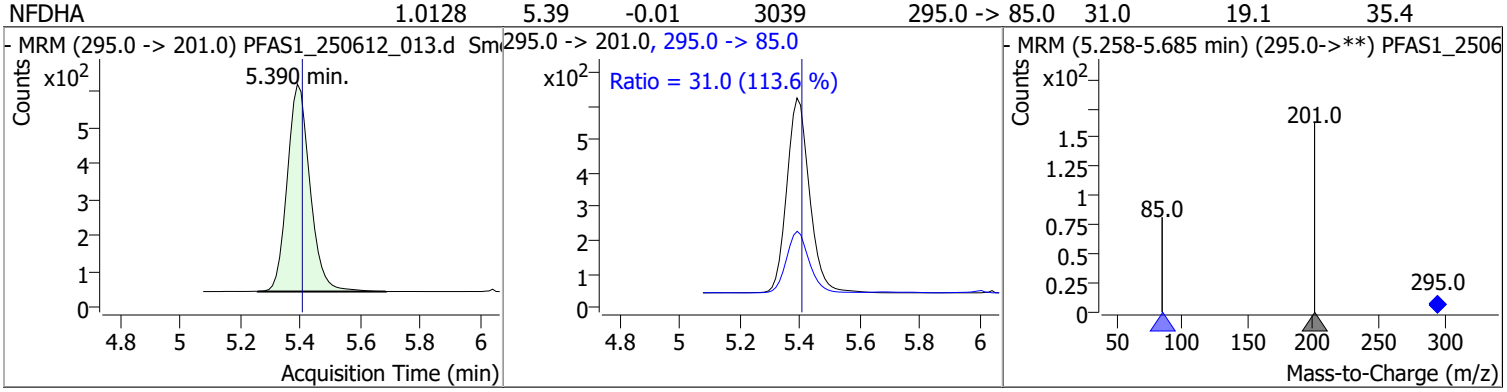
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.8611	5.24	-0.01	19454	329.0 -> 309.0	327.3	292.1	542.4



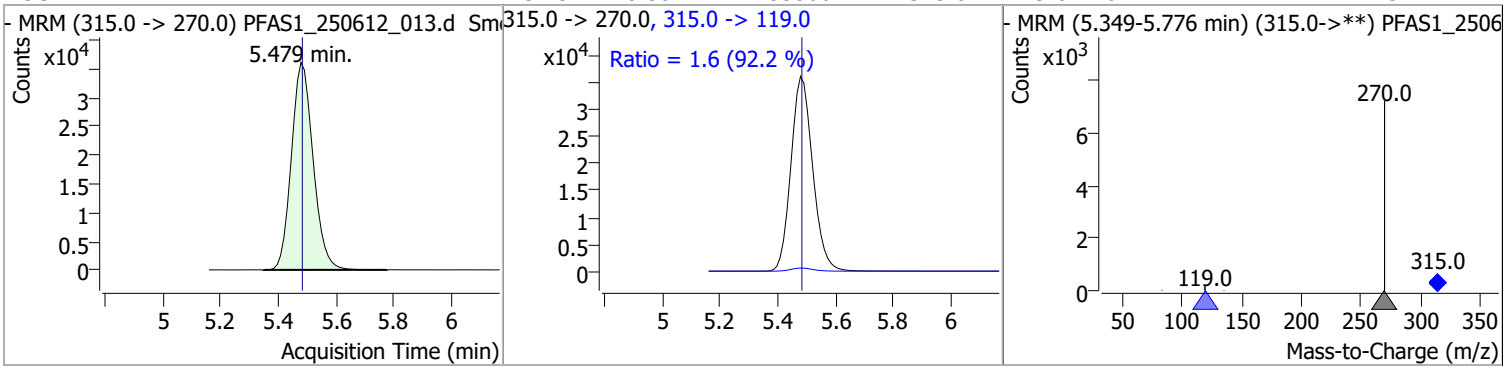
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	1.7952	5.24	-0.01	23724	327.0 -> 81.0	33.4	23.6	43.9



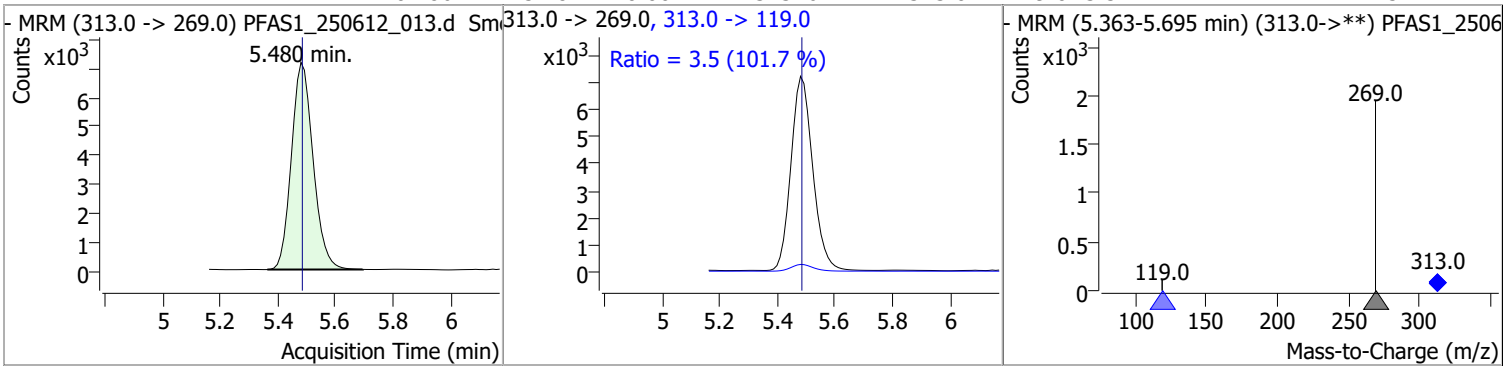
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	1.0128	5.39	-0.01	3039	295.0 -> 85.0	31.0	19.1	35.4



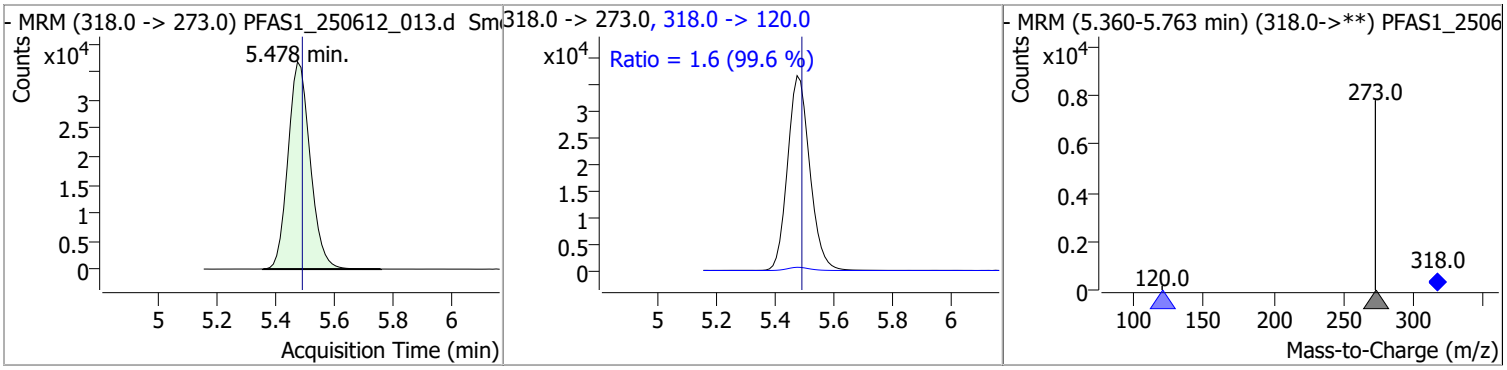
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	188866	315.0 -> 119.0	1.6	1.2	2.3



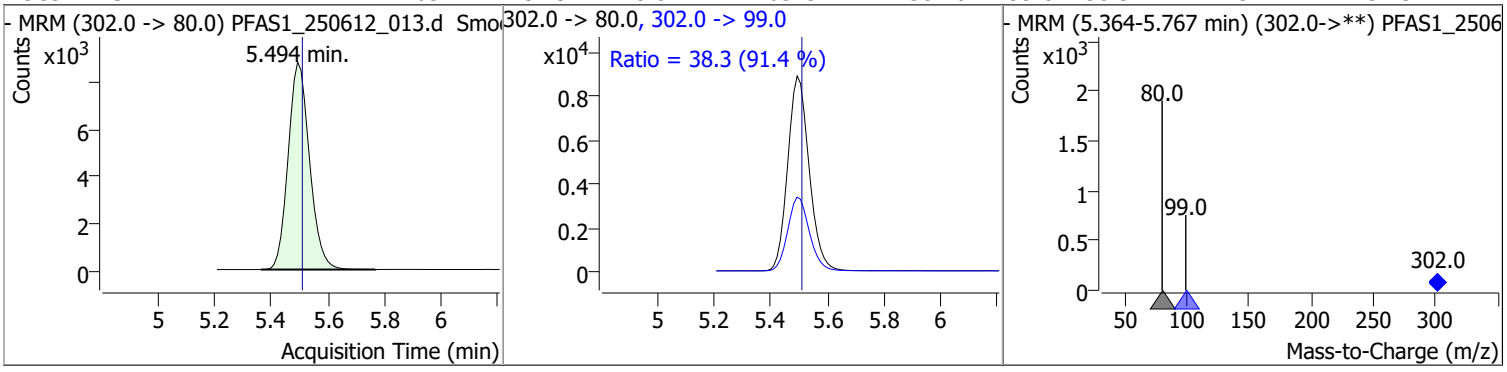
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.4864	5.48	0.00	37326	313.0 -> 119.0	3.5	2.4	4.5



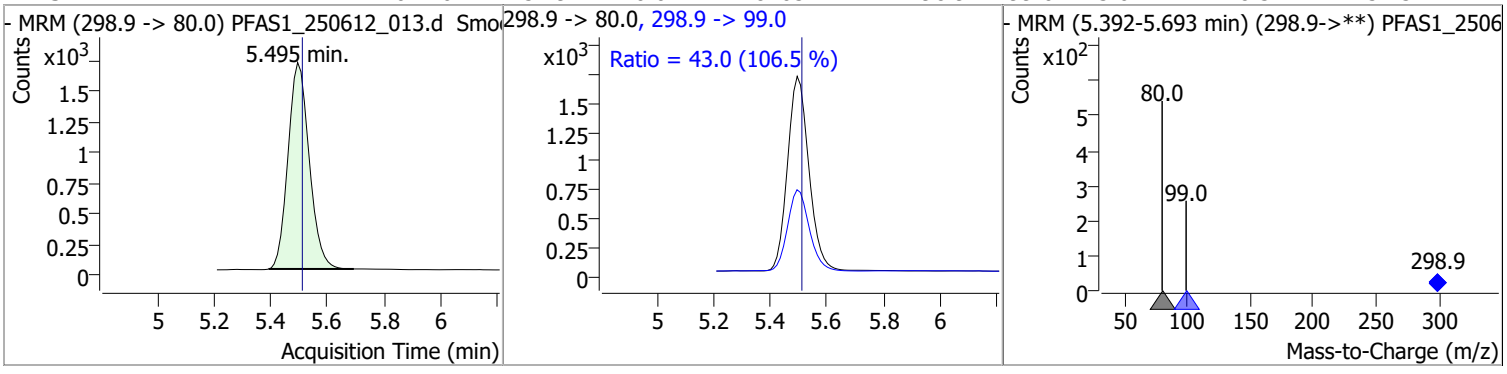
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4747	5.48	-0.01	192559	318.0 -> 120.0	1.6	1.1	2.1



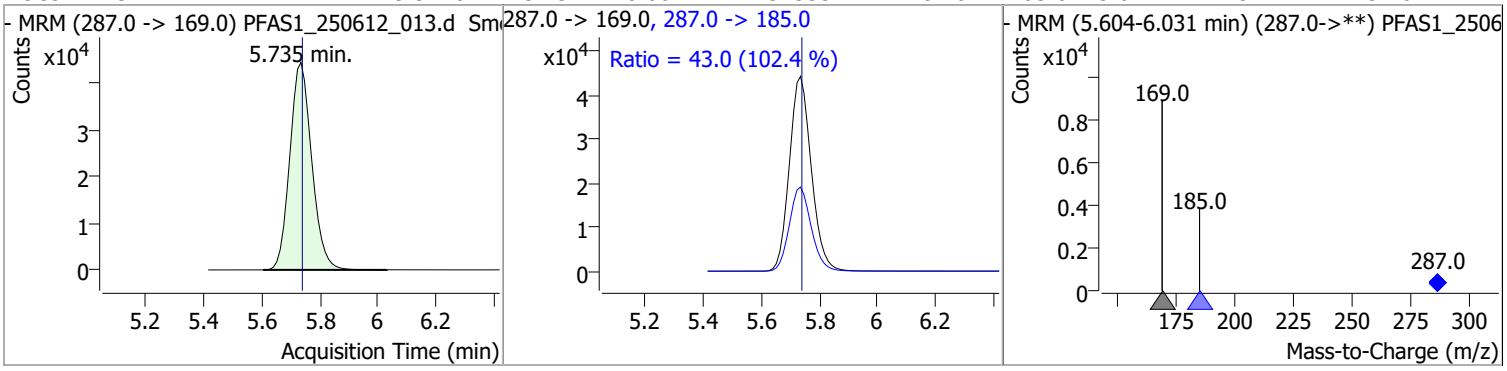
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6311	5.49	-0.01	46349	302.0 -> 99.0	38.3	29.4	54.5



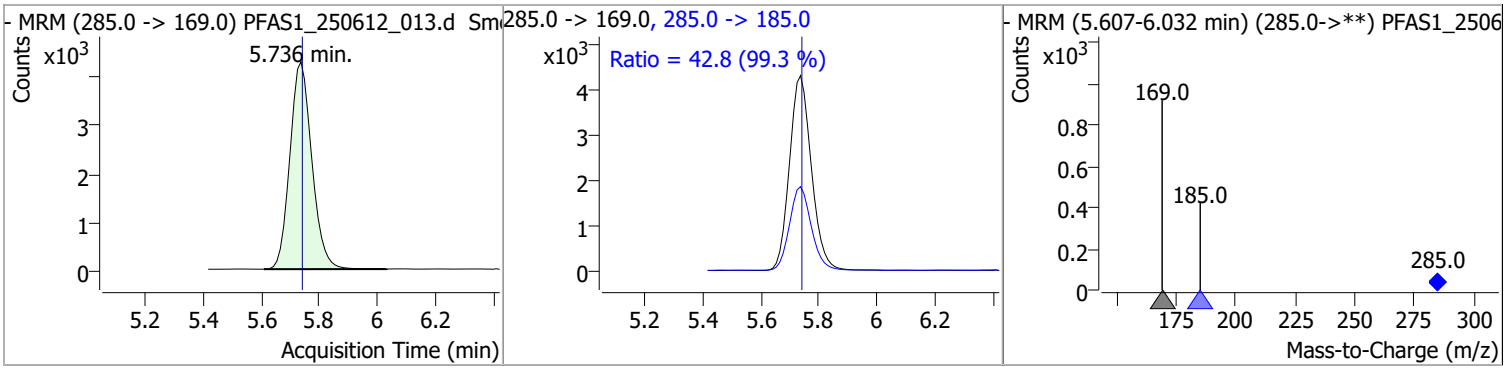
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.4201	5.49	-0.01	8705	298.9 -> 99.0	43.0	28.3	52.5



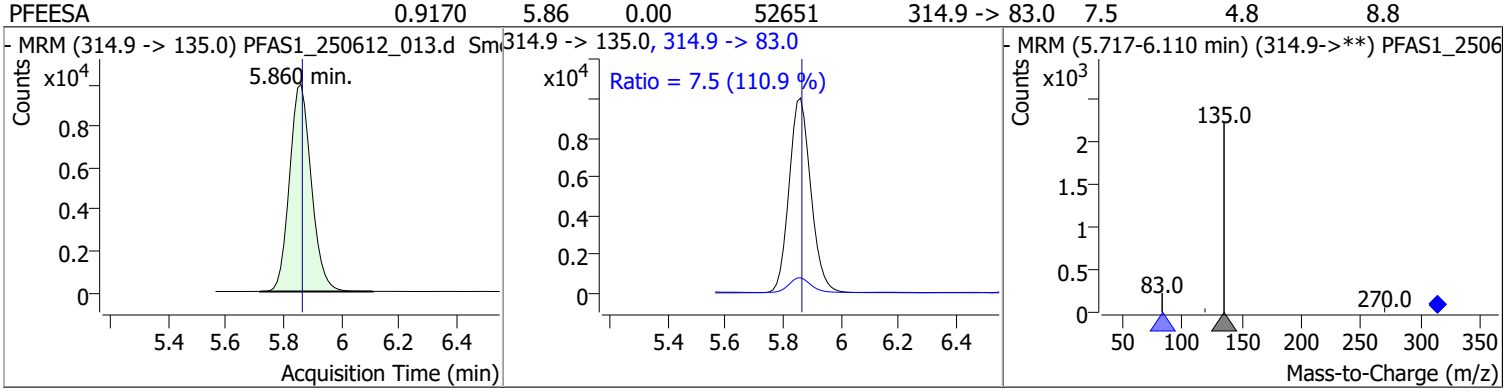
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9118	5.73	0.00	232535	287.0 -> 185.0	43.0	29.4	54.6



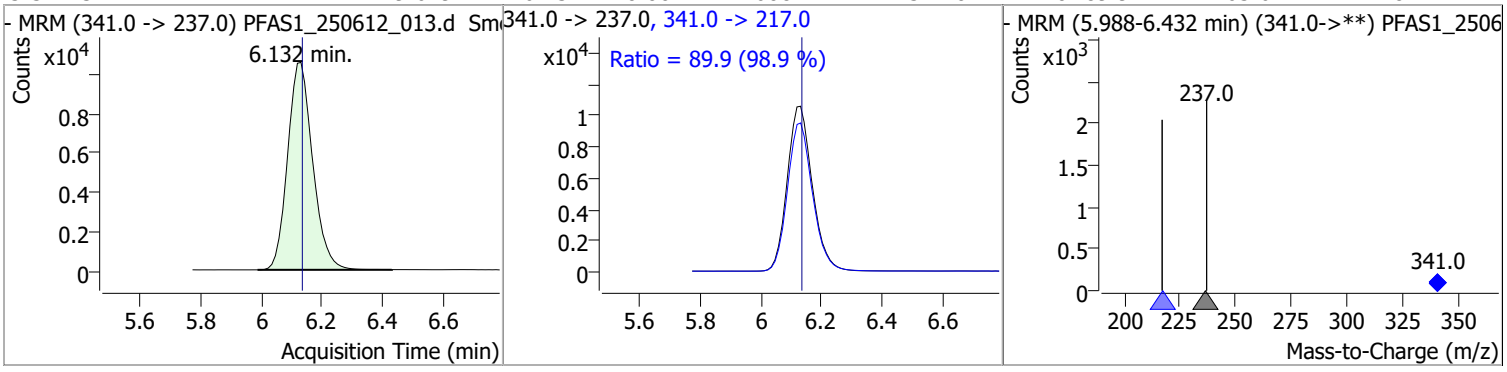
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.9671	5.74	0.00	22456	285.0 -> 185.0	42.8	30.1	56.0



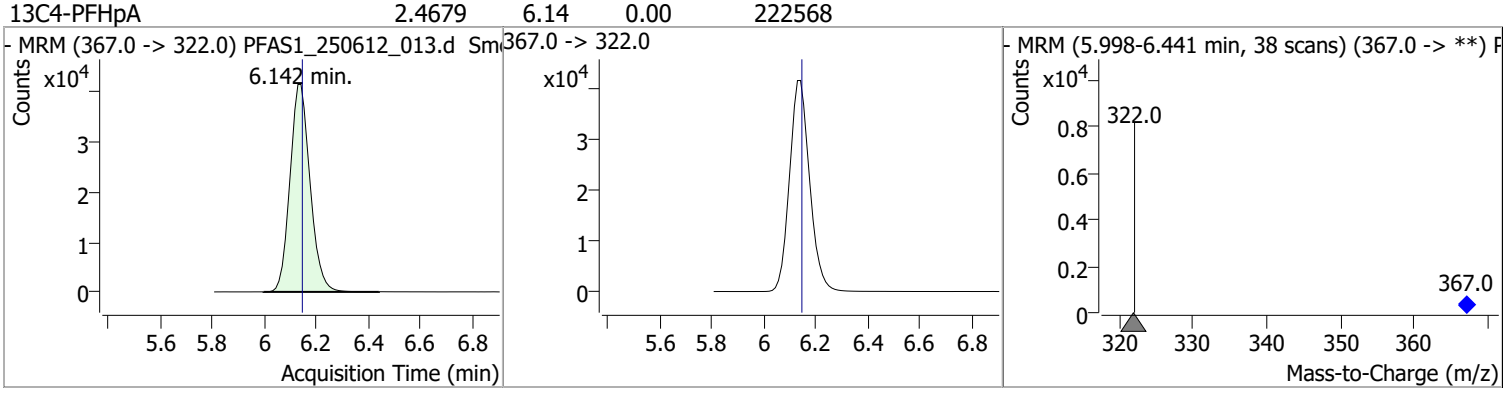
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.9170	5.86	0.00	52651	314.9 -> 83.0	7.5	4.8	8.8



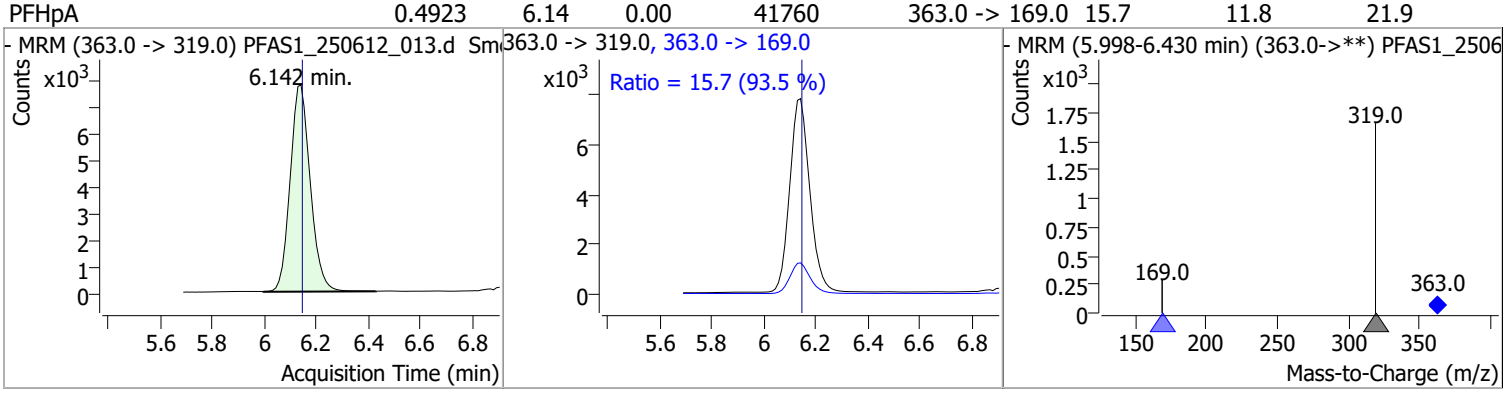
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	9.6197	6.13	0.00	60847	341.0 -> 217.0	89.9	63.6	118.1



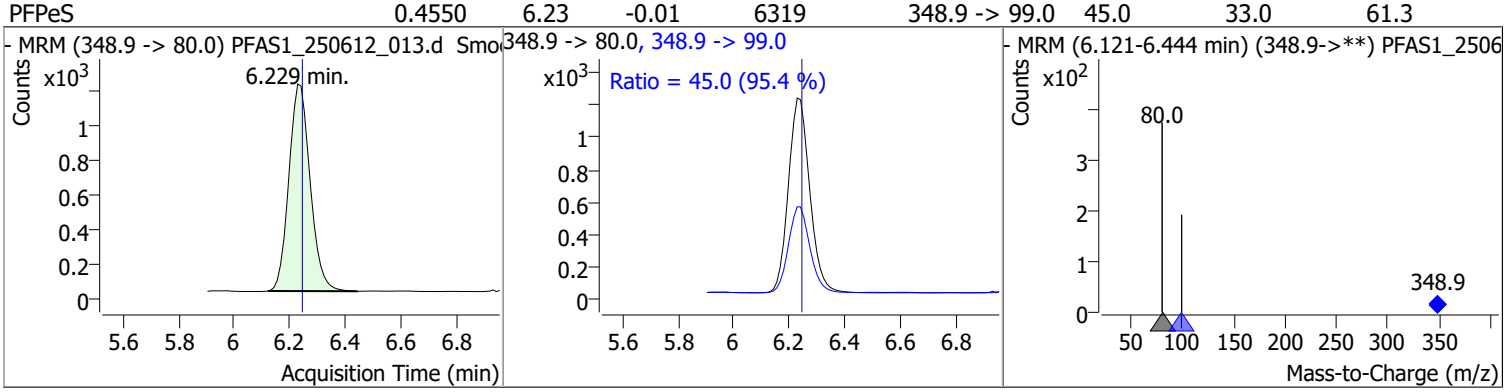
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4679	6.14	0.00	222568				



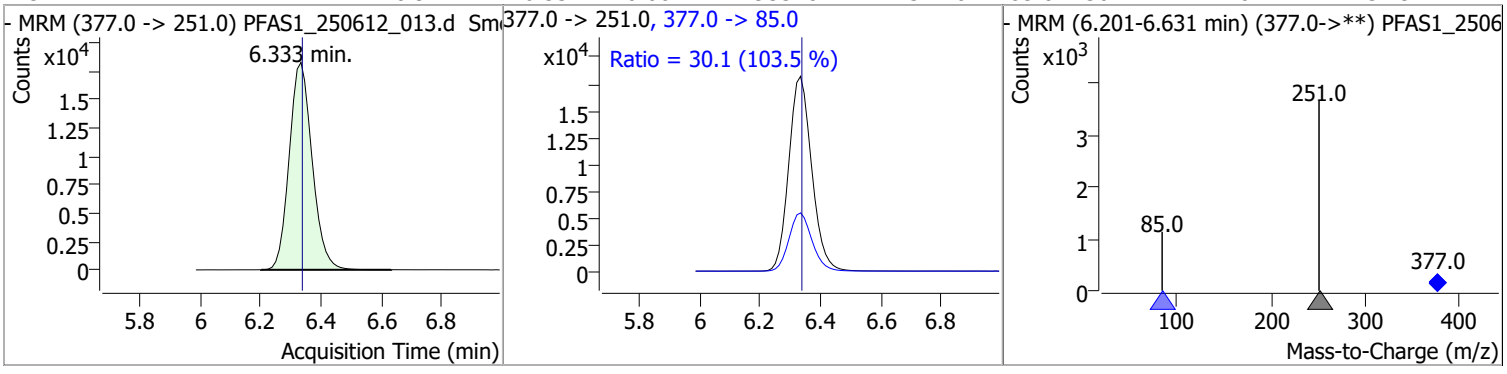
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.4923	6.14	0.00	41760	363.0 -> 169.0	15.7	11.8	21.9



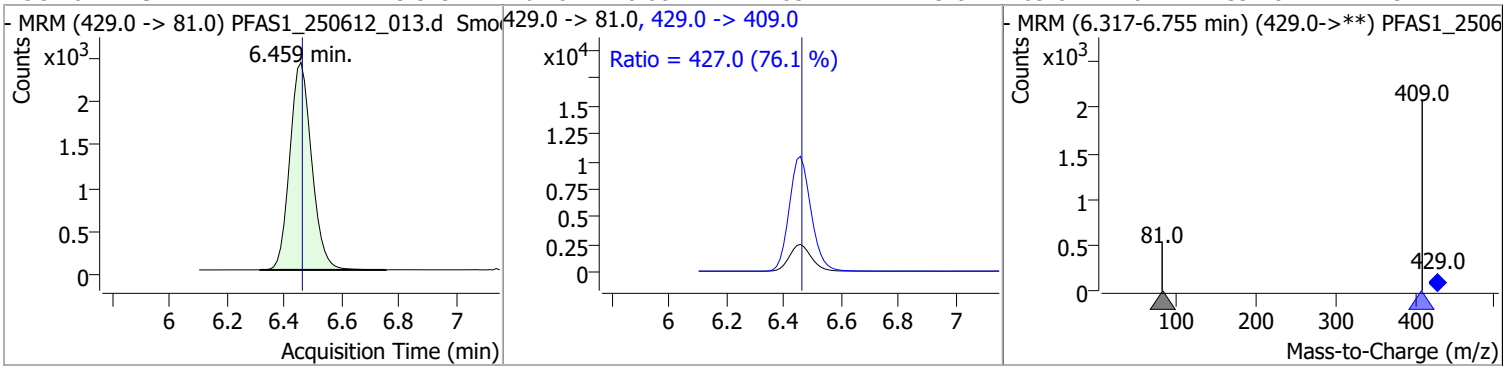
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.4550	6.23	-0.01	6319	348.9 -> 99.0	45.0	33.0	61.3



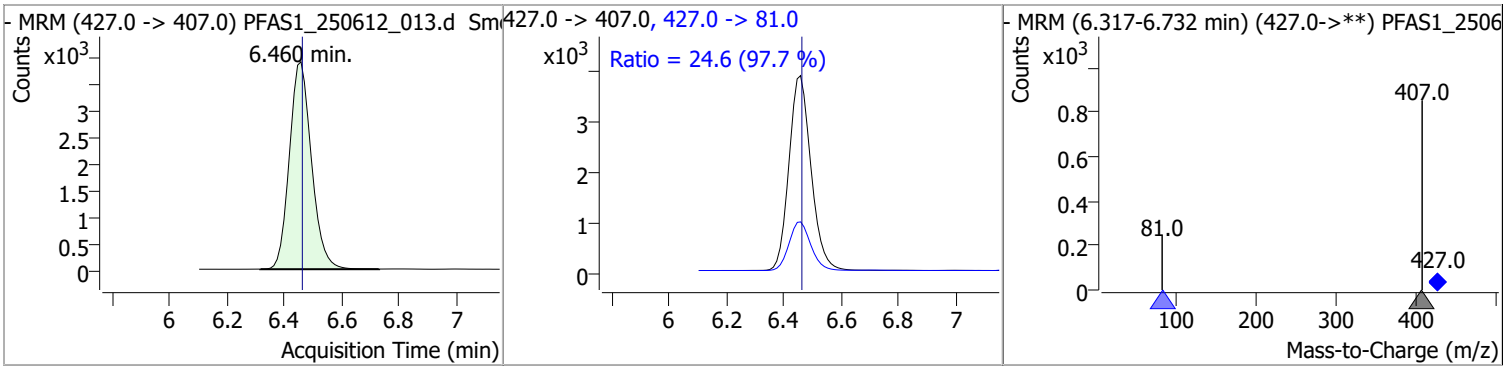
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.9247	6.33	0.00	95578	377.0 -> 85.0	30.1	20.4	37.9



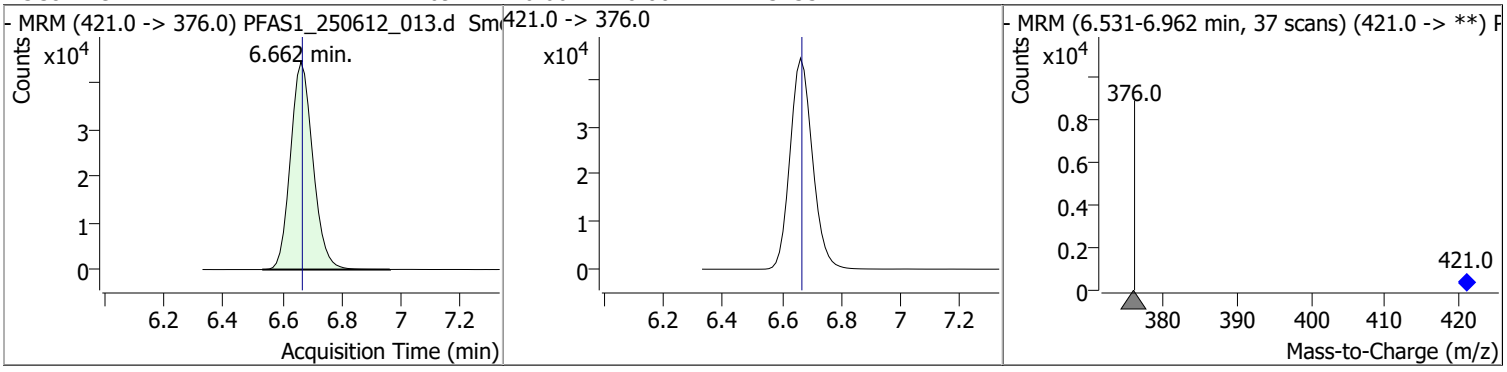
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.5192	6.46	0.00	12837	429.0 -> 409.0	427.0	392.8	729.4



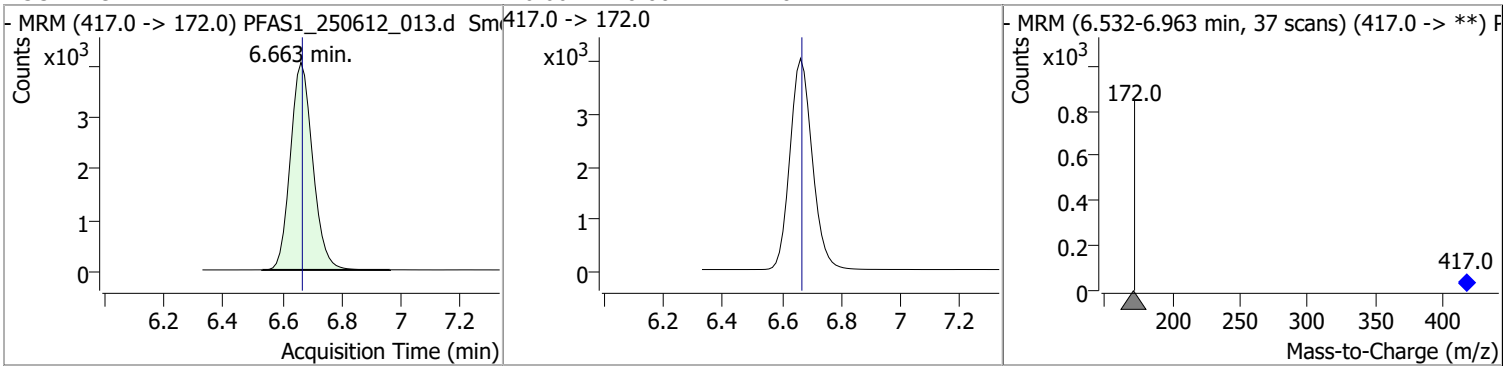
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	1.8838	6.46	0.00	20672	427.0 -> 81.0	24.6	17.7	32.8



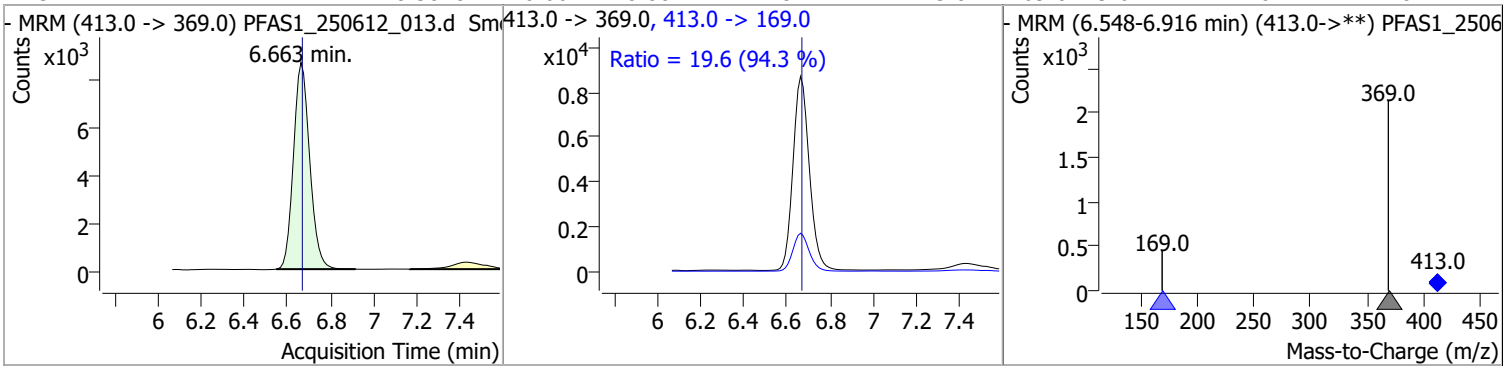
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4692	6.66	0.00	232352				



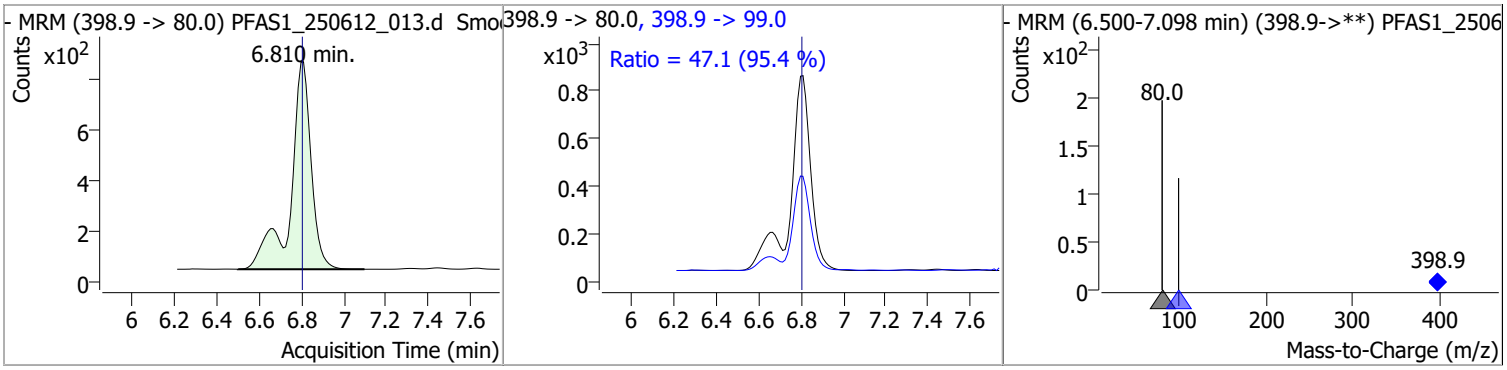
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21014				



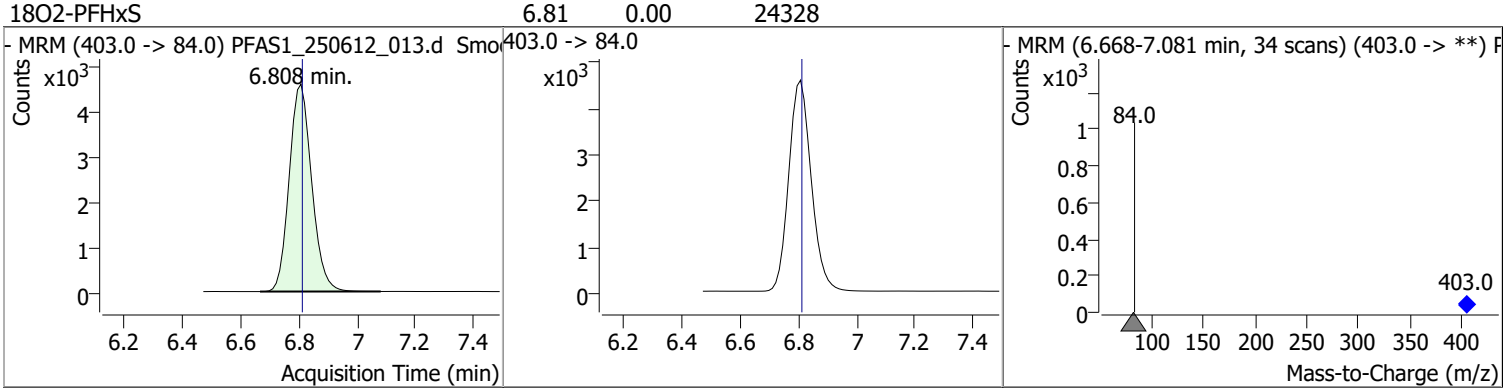
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.5010	6.66	0.00	44871	413.0 -> 169.0	19.6	14.6	27.0



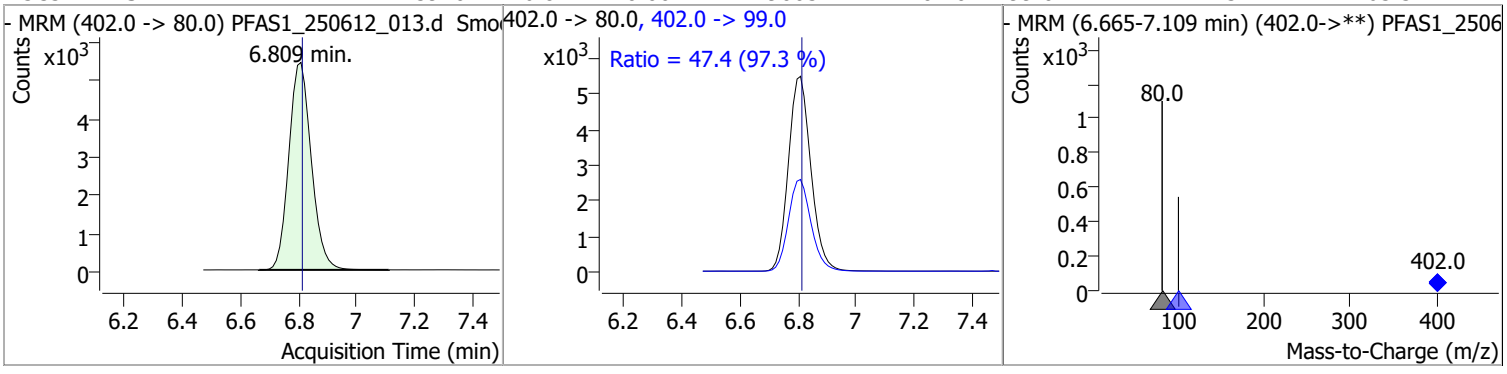
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.4618	6.81	0.01	5568	398.9 -> 99.0	47.1	34.6	64.2



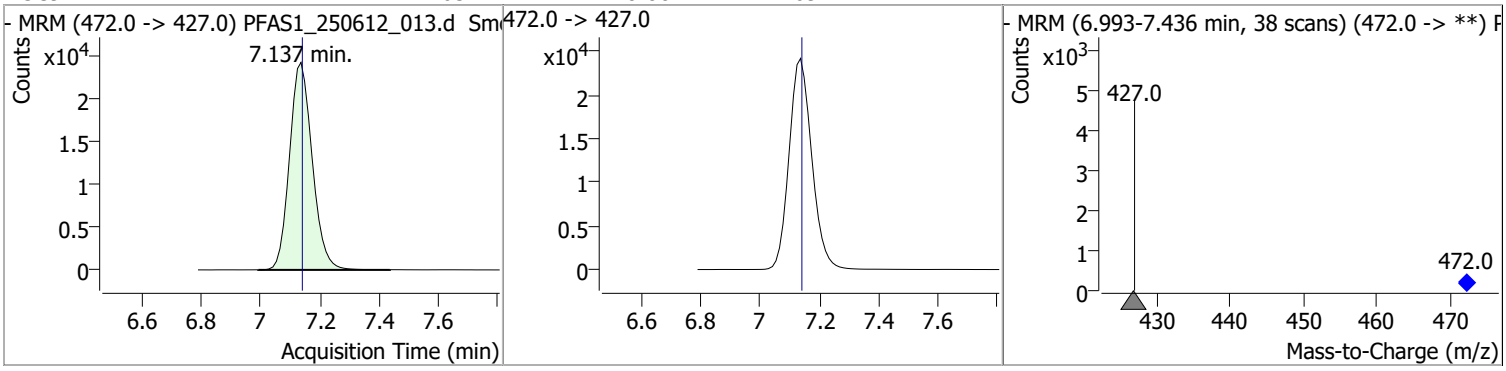
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24328				



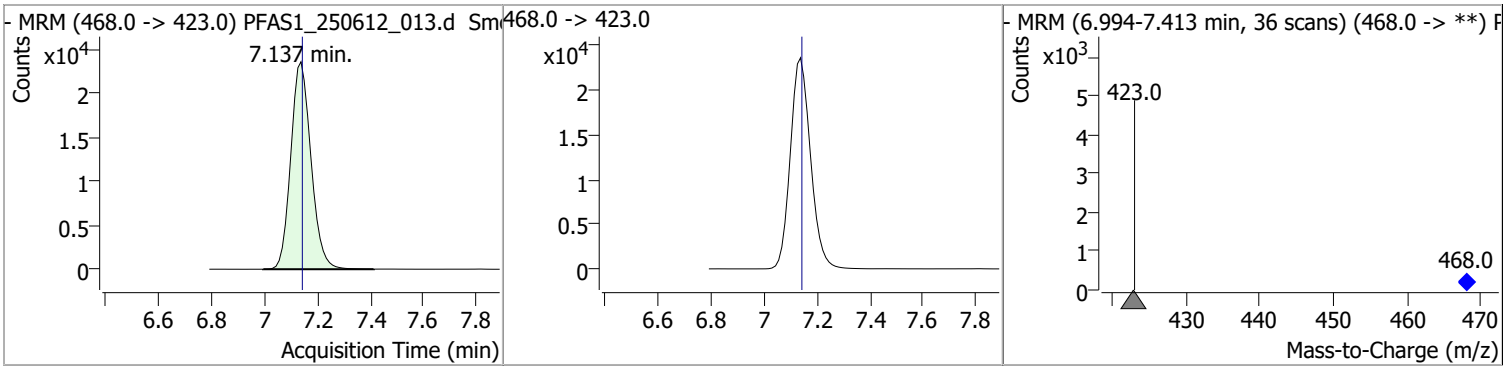
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5970	6.81	0.00	29003	402.0 -> 99.0	47.4	34.1	63.3



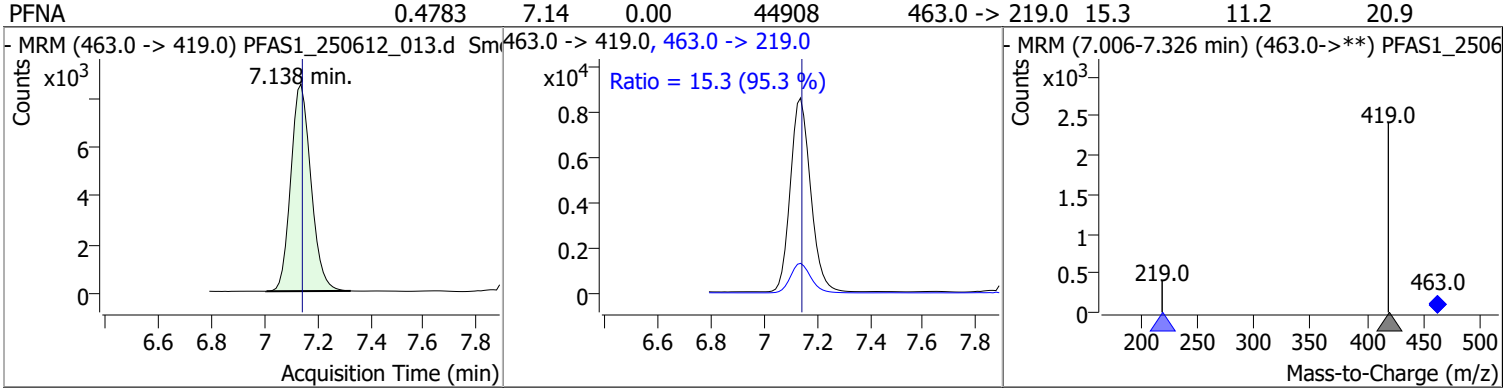
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2465	7.14	0.00	127697				



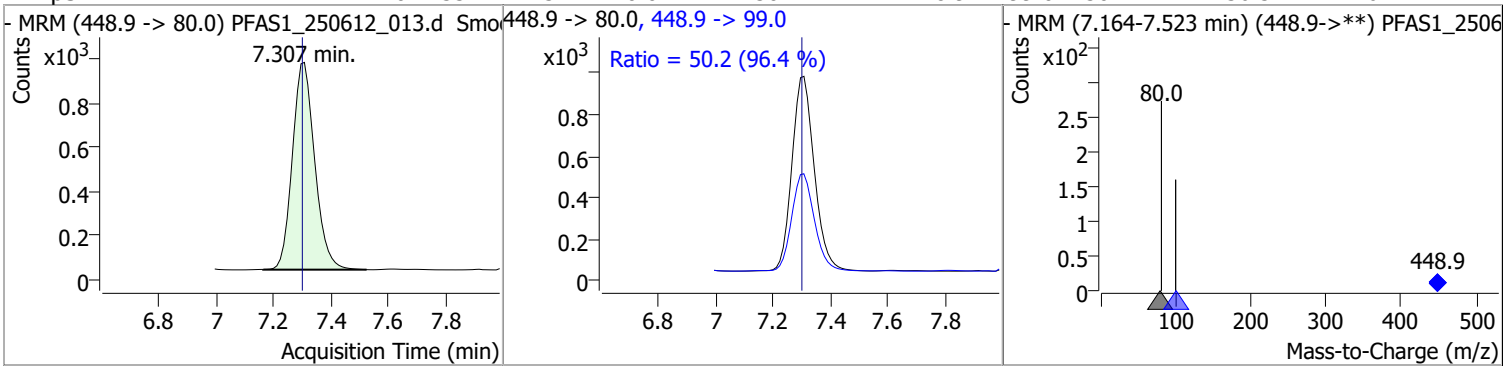
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	124933				



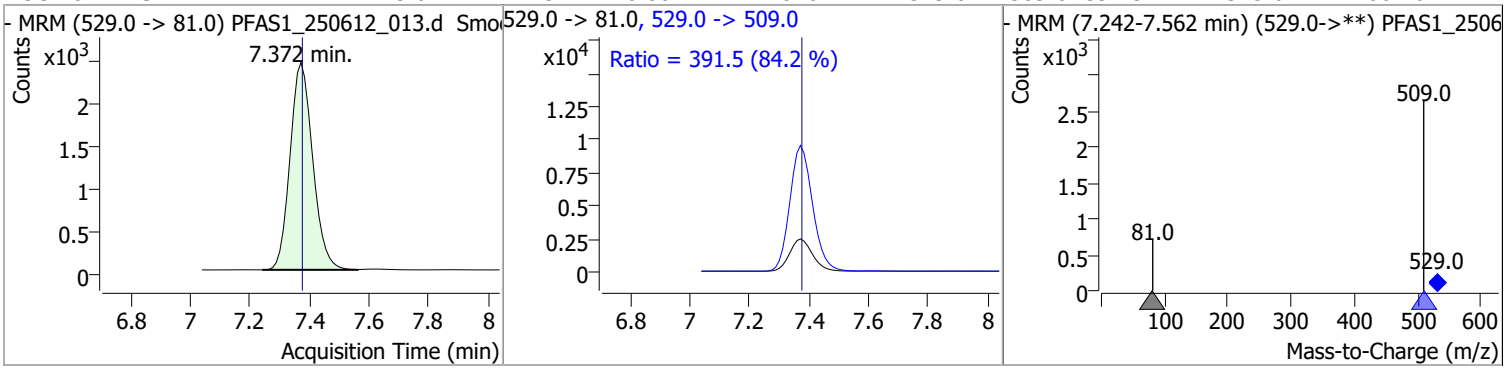
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.4783	7.14	0.00	44908	463.0 -> 219.0	15.3	11.2	20.9



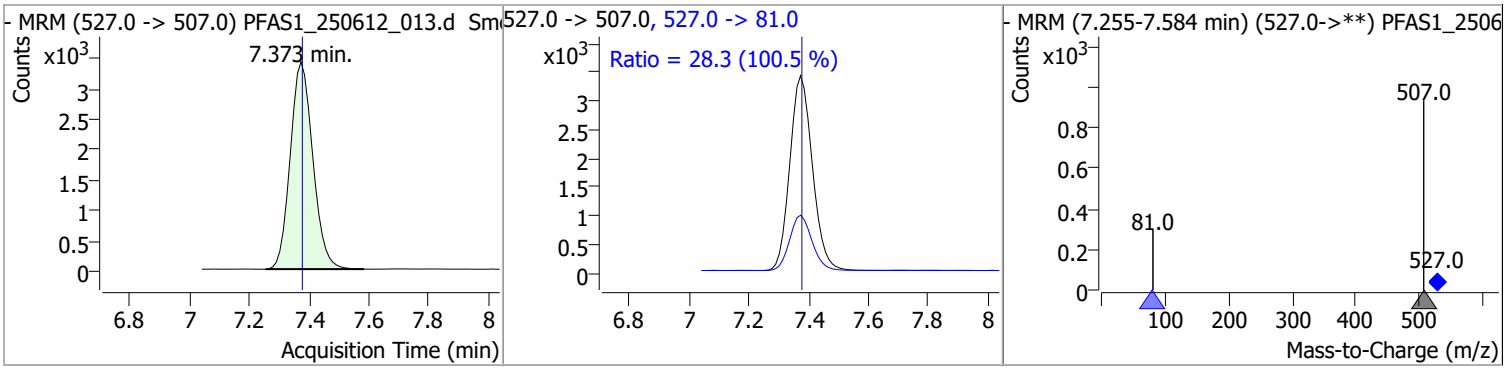
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.4733	7.31	0.01	5047	448.9 -> 99.0	50.2	36.5	67.7



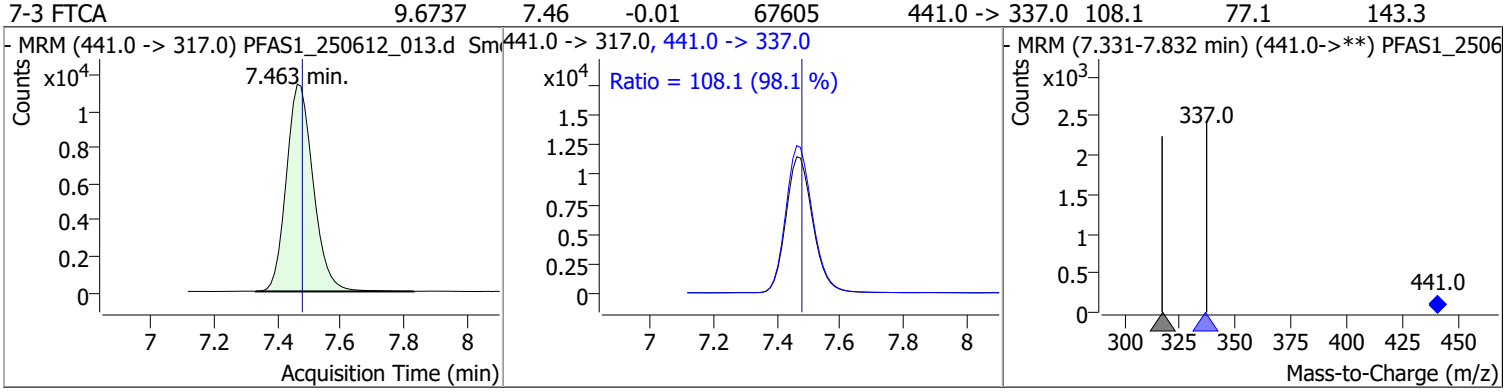
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0441	7.37	0.00	12846	529.0 -> 509.0	391.5	325.6	604.6



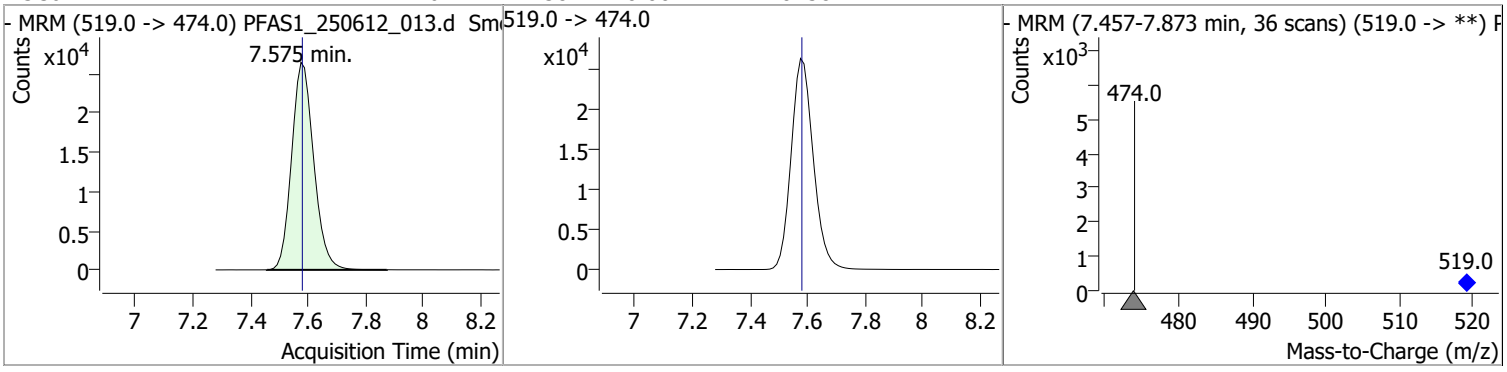
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	1.9673	7.37	0.00	17826	527.0 -> 81.0	28.3	19.7	36.6



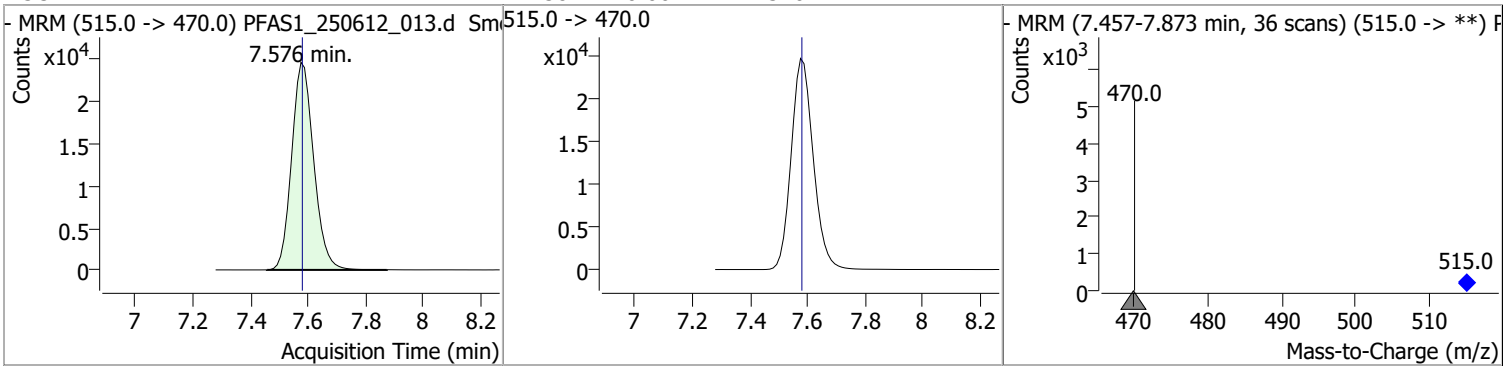
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	9.6737	7.46	-0.01	67605	441.0 -> 337.0	108.1	77.1	143.3



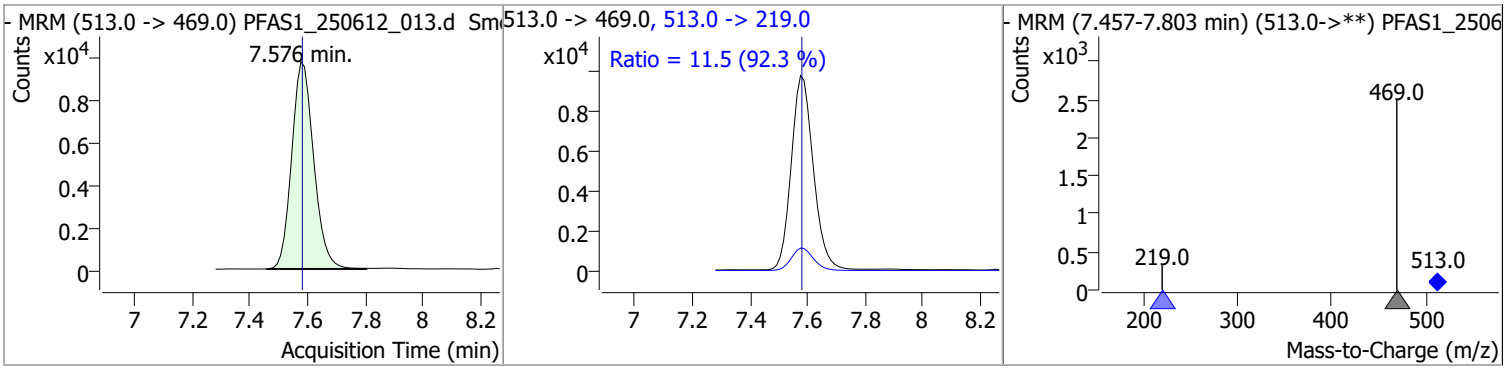
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2622	7.58	0.00	140458				



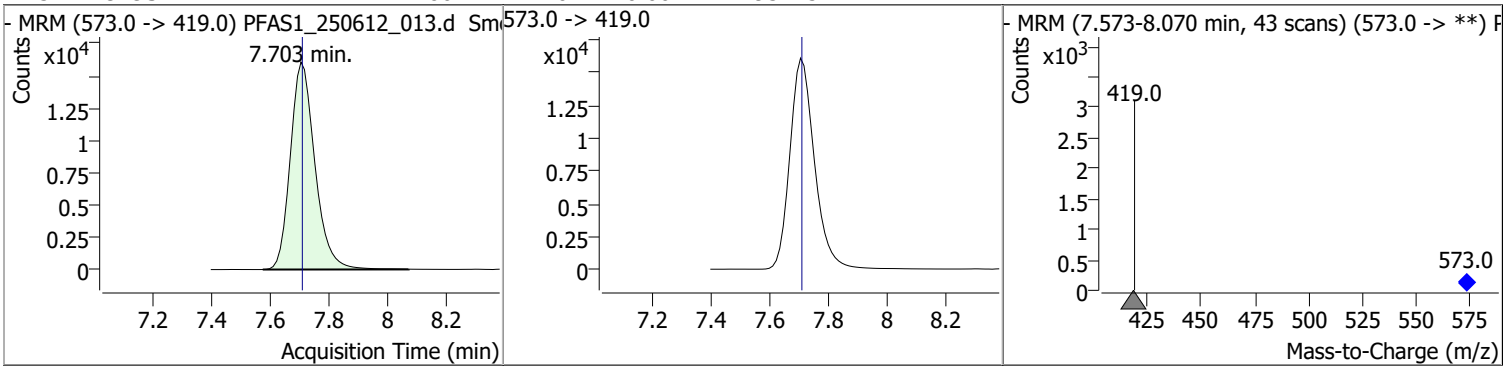
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	131044				



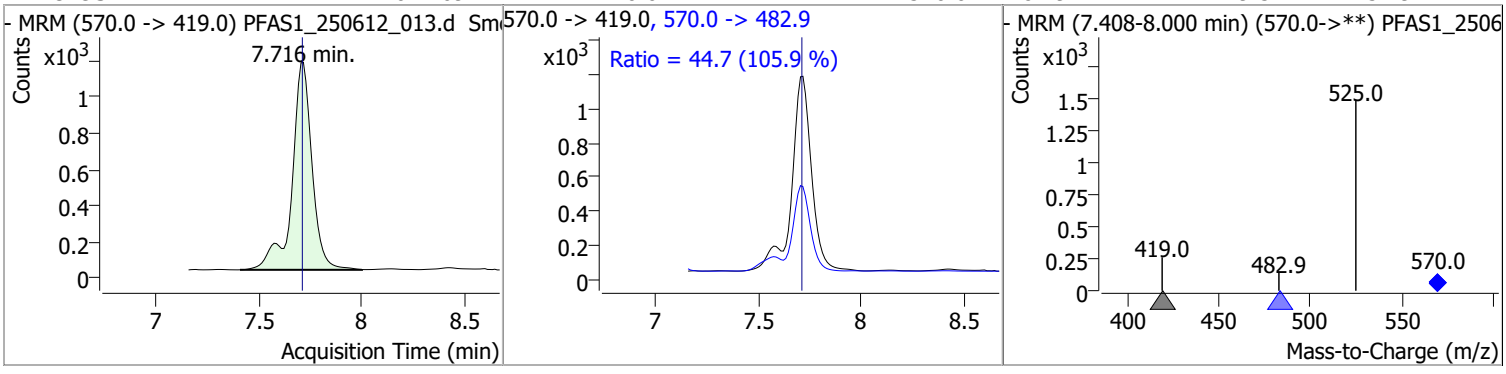
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.4962	7.58	0.00	51597	513.0 -> 219.0	11.5	8.7	16.2



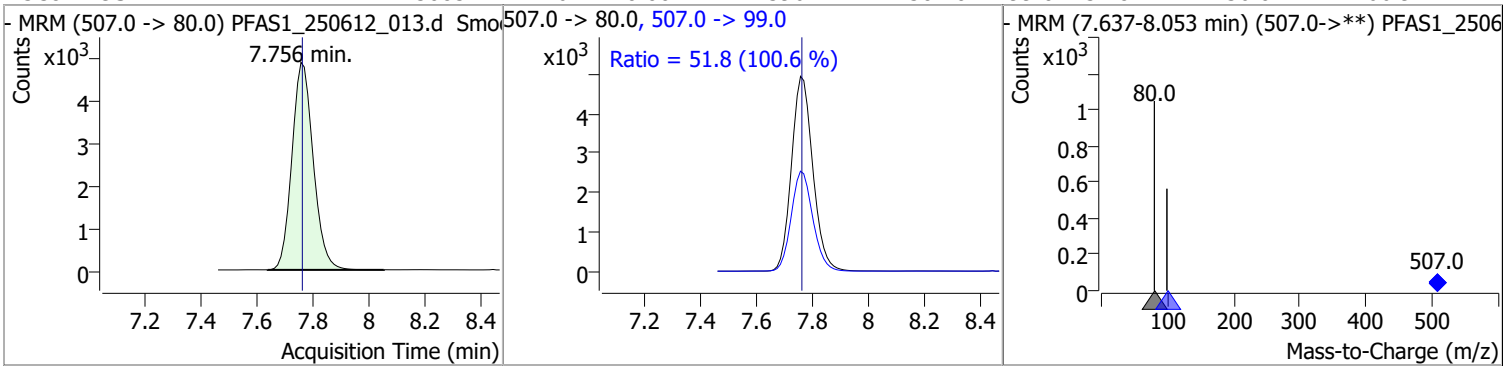
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7802	7.70	0.00	93215				



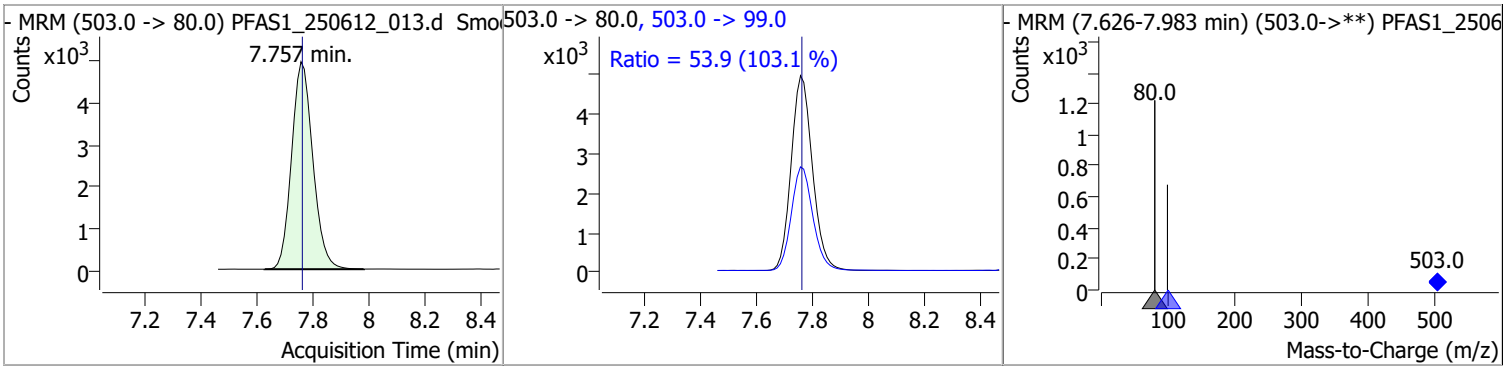
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.4709	7.72	0.01	7774	570.0 -> 482.9	44.7	29.5	54.9



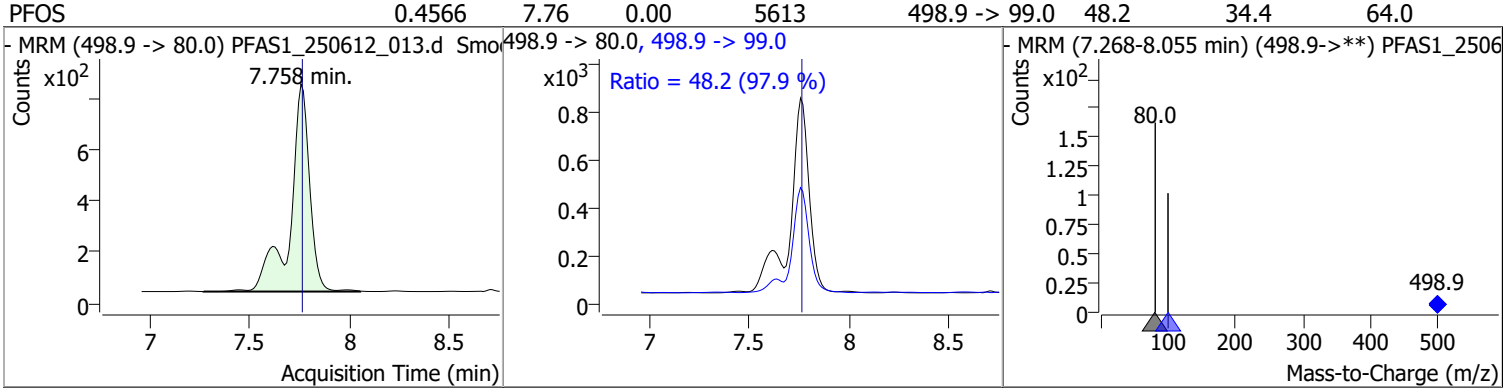
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5085	7.76	0.00	25961	507.0 -> 99.0	51.8	36.0	66.9



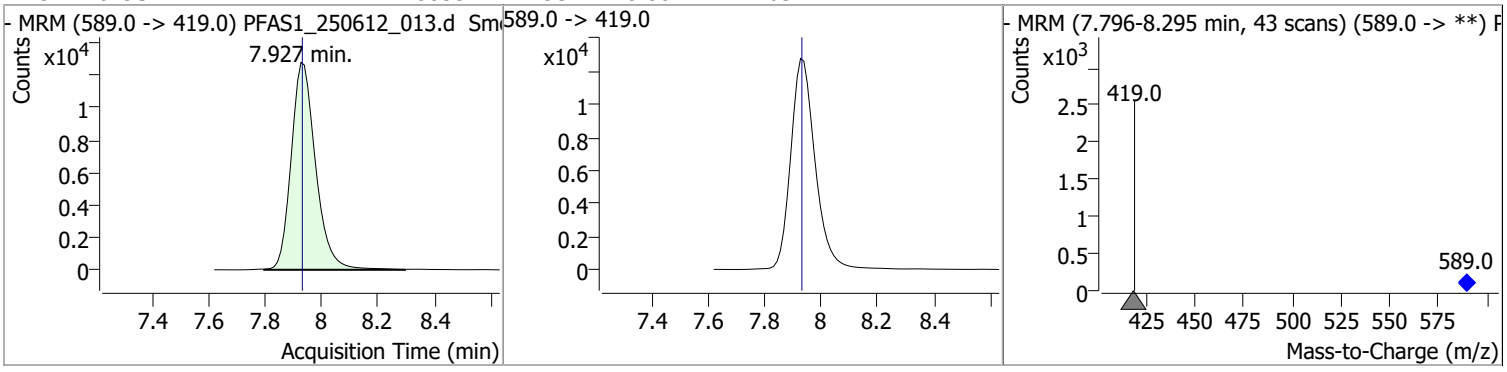
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26116	503.0 -> 99.0	53.9	36.6	67.9



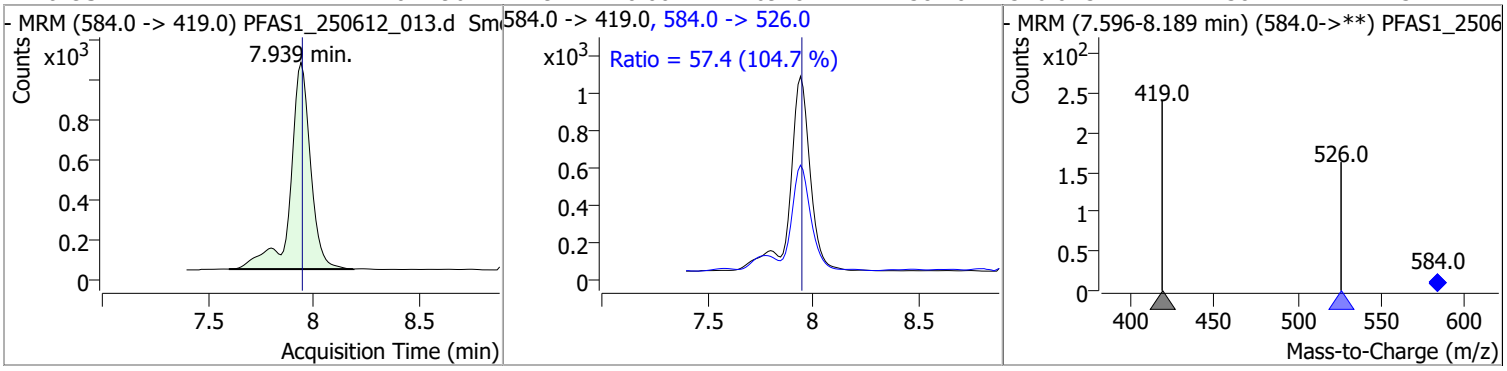
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.4566	7.76	0.00	5613	498.9 -> 99.0	48.2	34.4	64.0



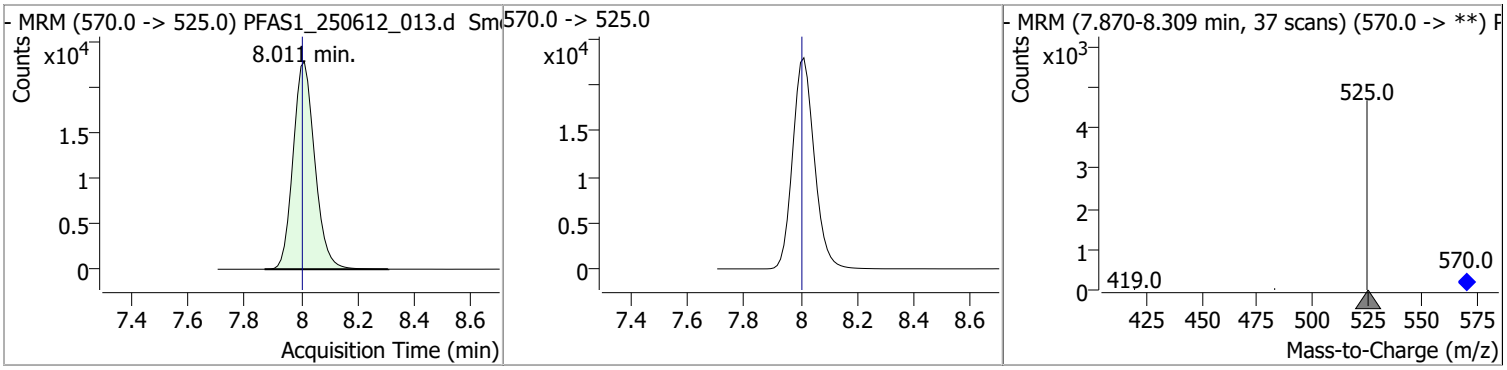
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8855	7.93	0.00	76341				



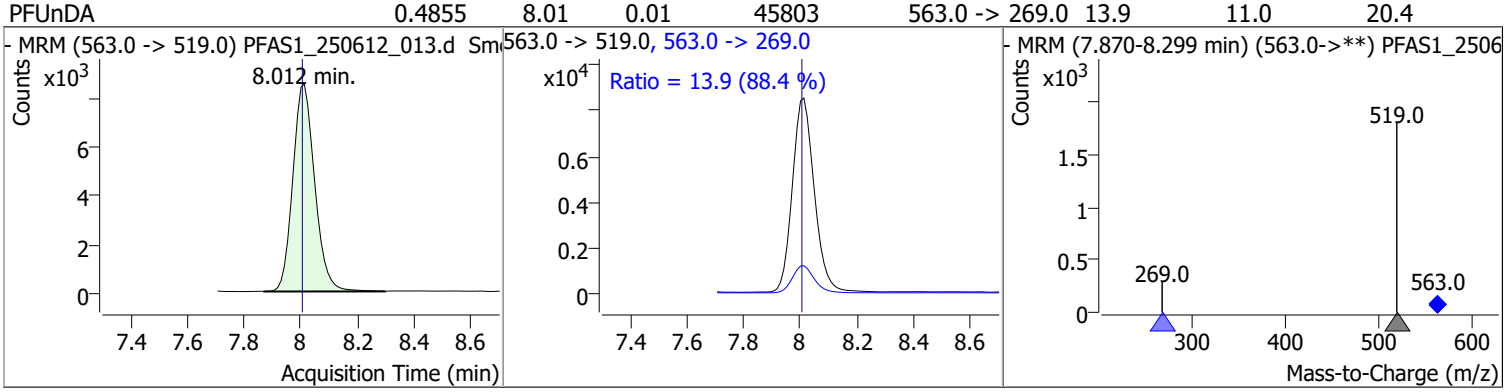
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.4796	7.94	0.00	6928	584.0 -> 526.0	57.4	38.4	71.3



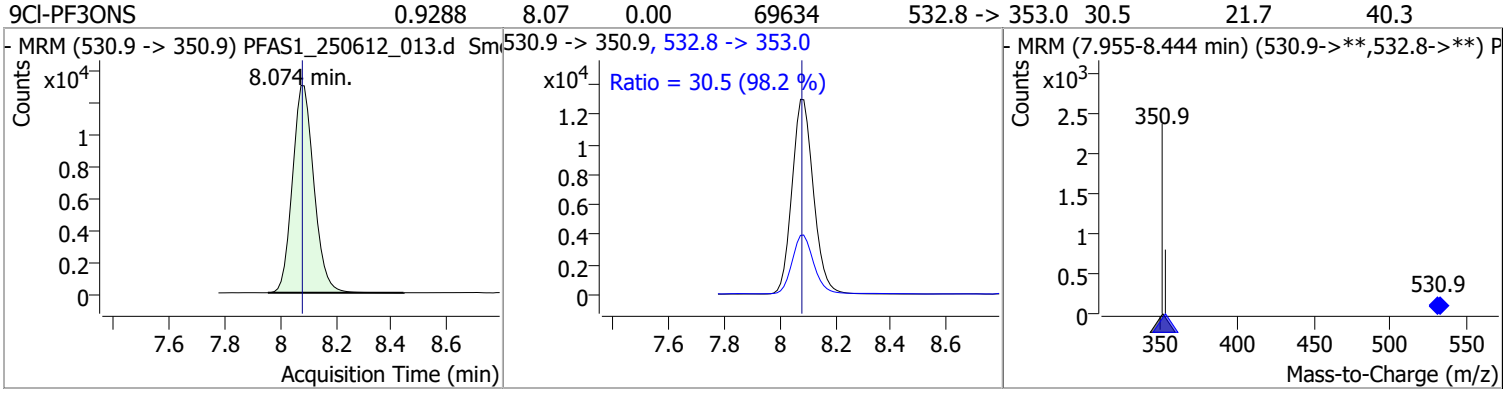
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2604	8.01	0.01	121779				



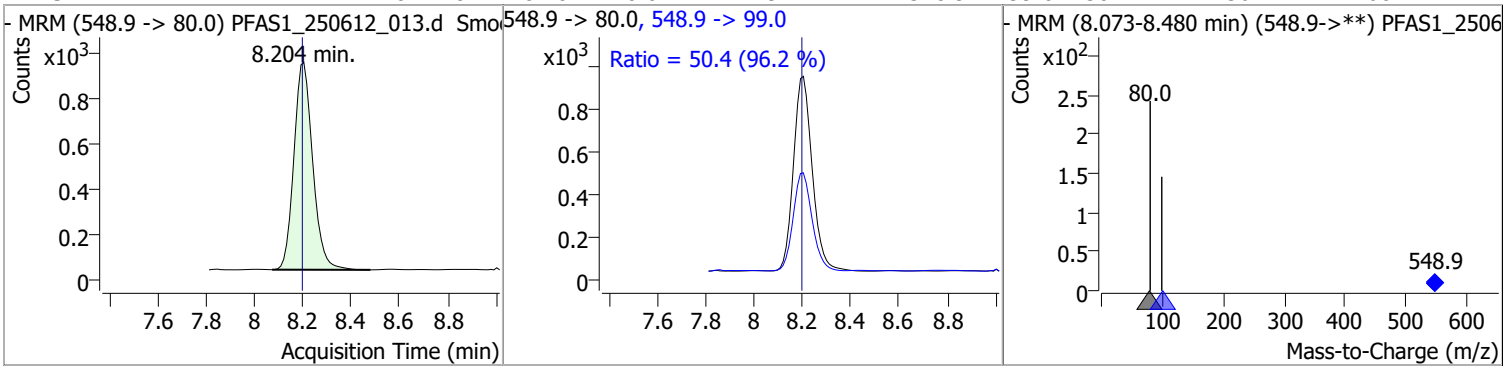
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.4855	8.01	0.01	45803	563.0 -> 269.0	13.9	11.0	20.4



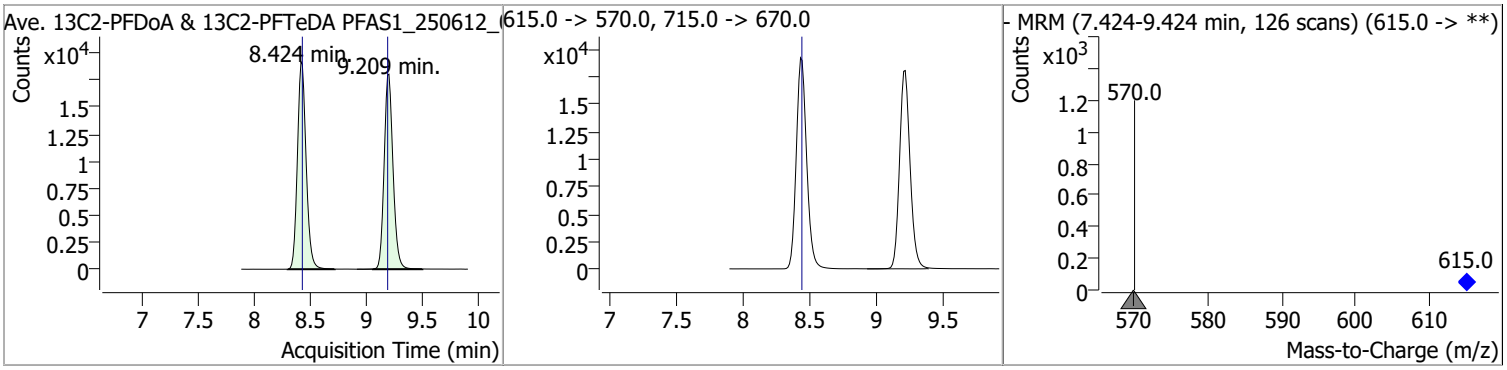
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.9288	8.07	0.00	69634	532.8 -> 353.0	30.5	21.7	40.3



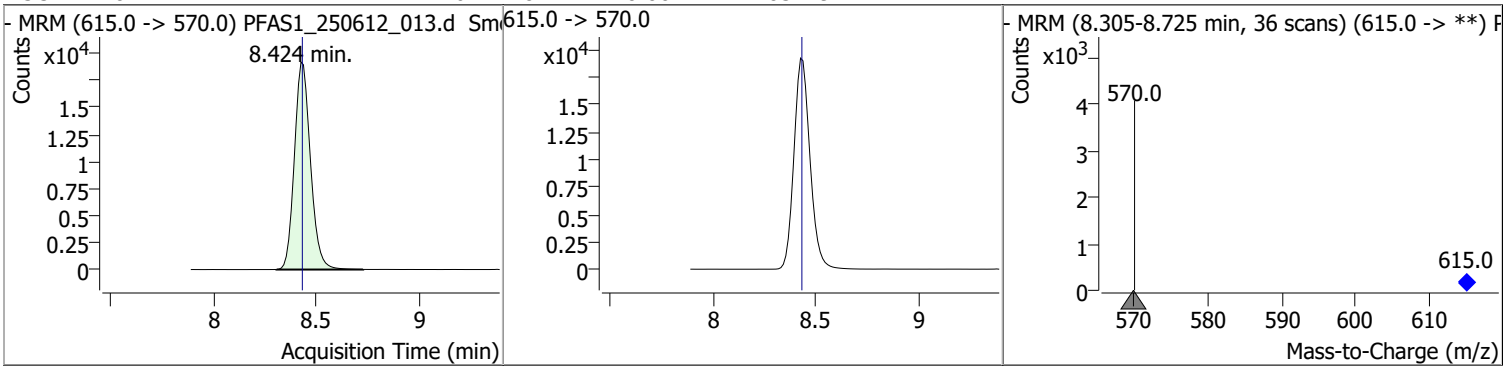
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.4478	8.20	0.01	4941	548.9 -> 99.0	50.4	36.7	68.1



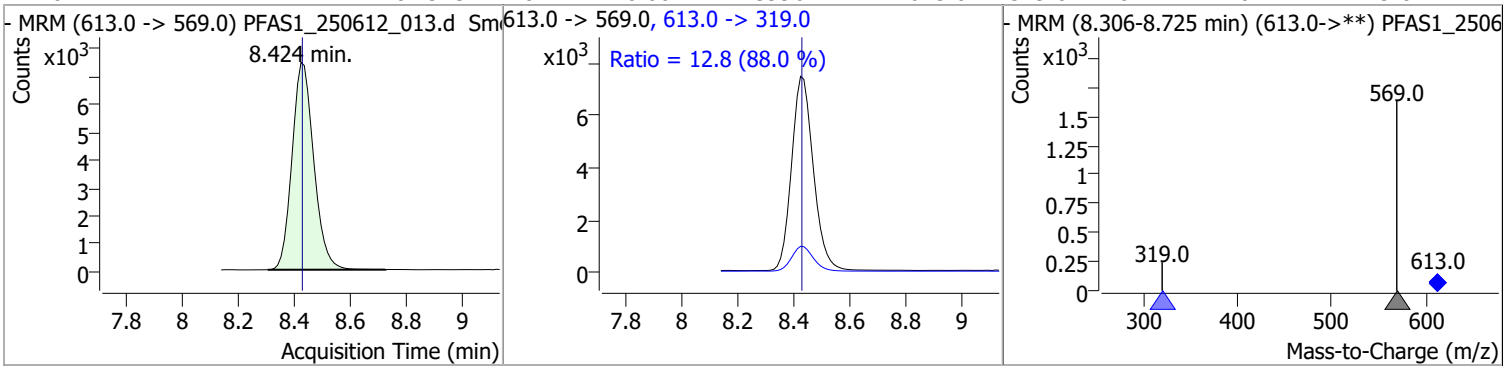
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2172	8.82	0.39	101038				



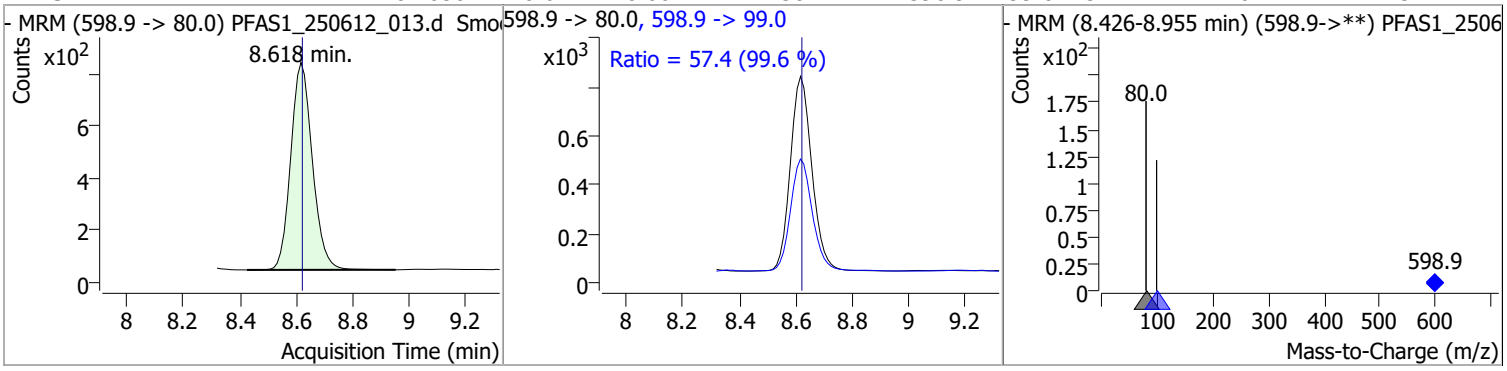
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2276	8.42	0.00	103179				



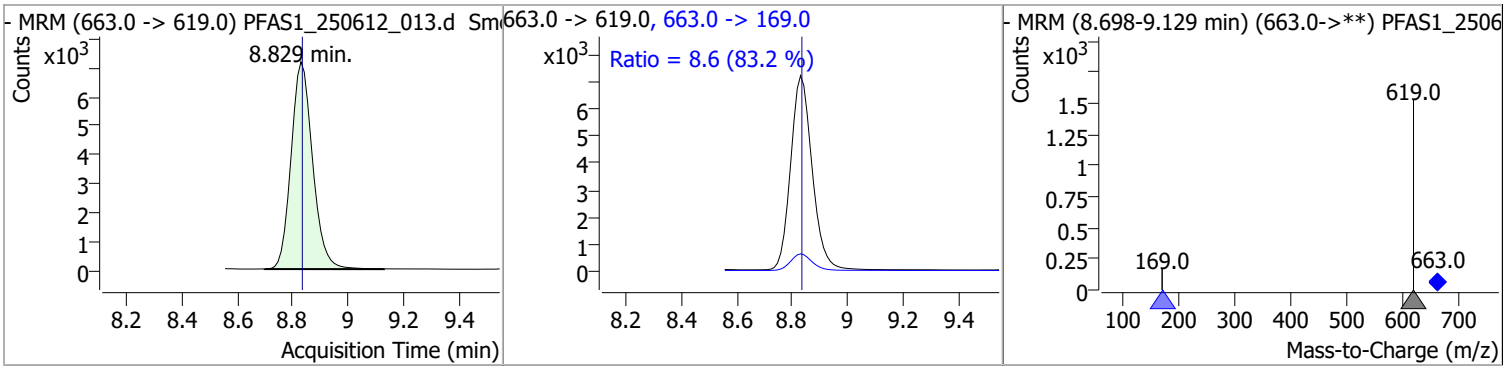
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.4975	8.42	0.00	39967	613.0 -> 319.0	12.8	10.2	19.0



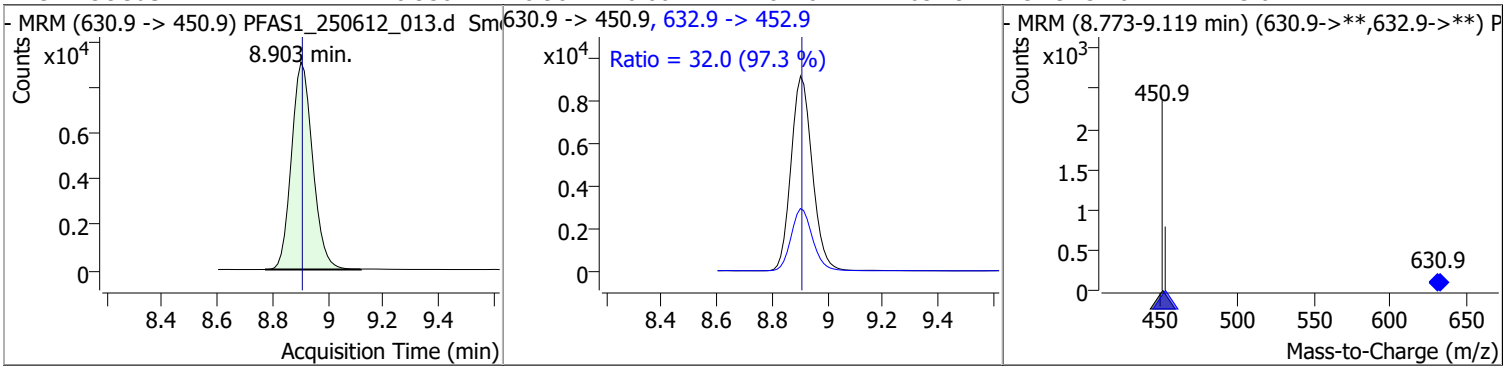
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.4858	8.62	0.00	4238	598.9 -> 99.0	57.4	40.4	74.9



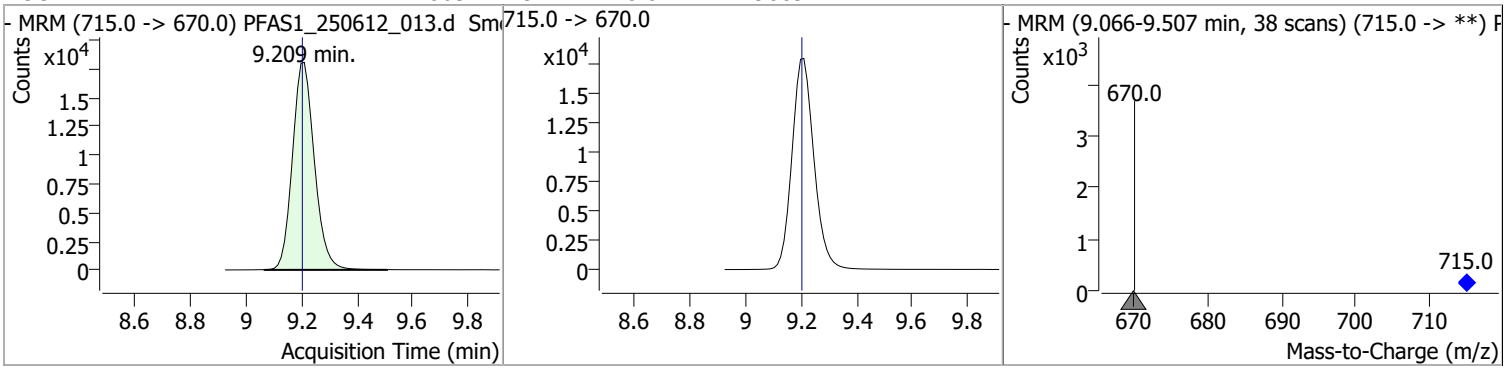
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.4952	8.83	0.00	38542	663.0 -> 169.0	8.6	7.2	13.4



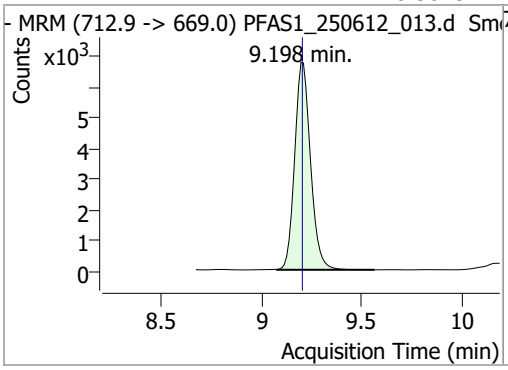
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.9384	8.90	0.00	48278	632.9 -> 452.9	32.0	23.0	42.7

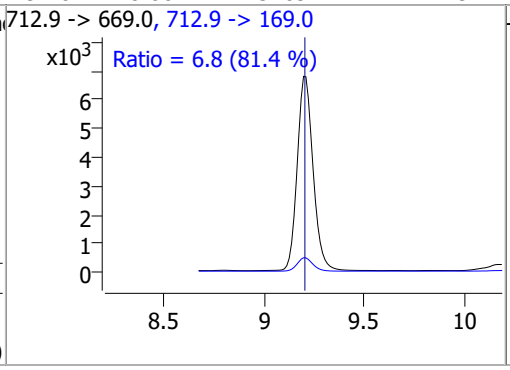


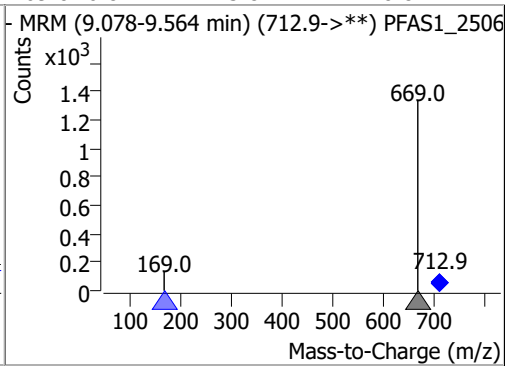
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2065	9.21	0.01	98897				



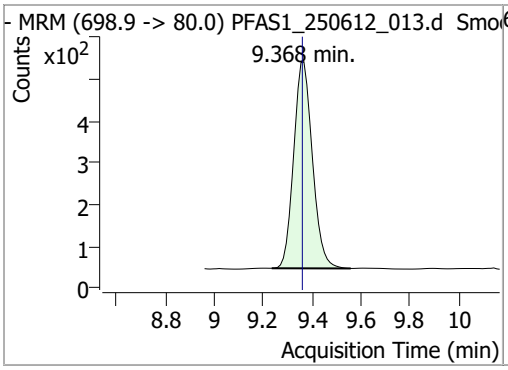
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.5025	9.20	0.00	37091	712.9 -> 169.0	6.8	5.8	10.8

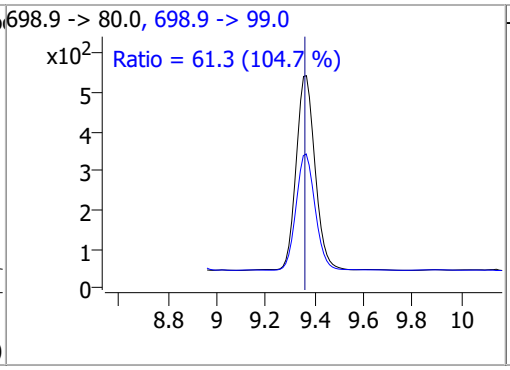


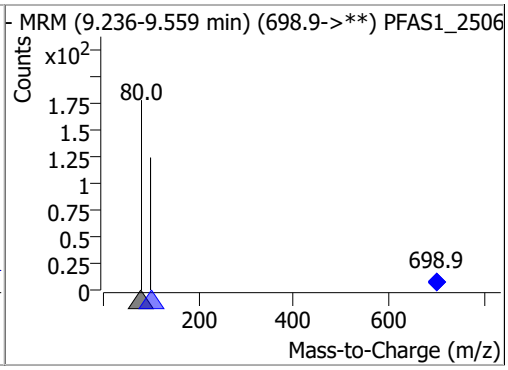




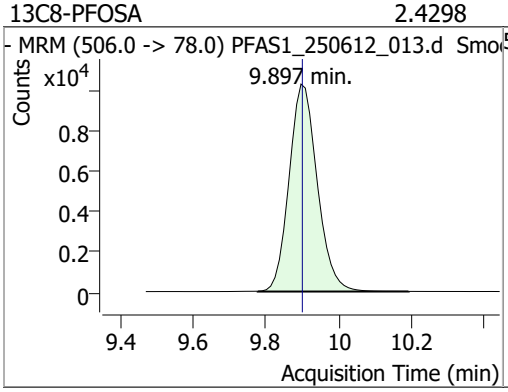
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.4632	9.37	0.01	2635	698.9 -> 99.0	61.3	41.0	76.1

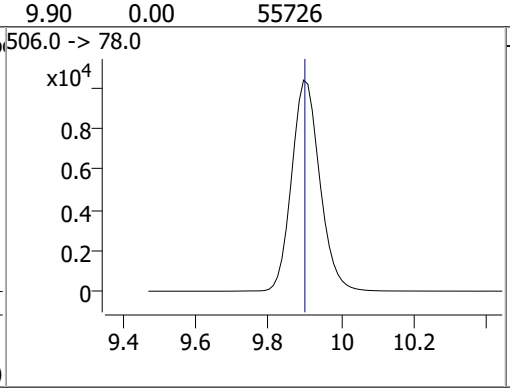


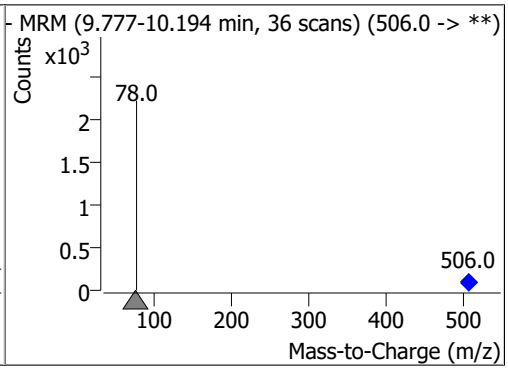




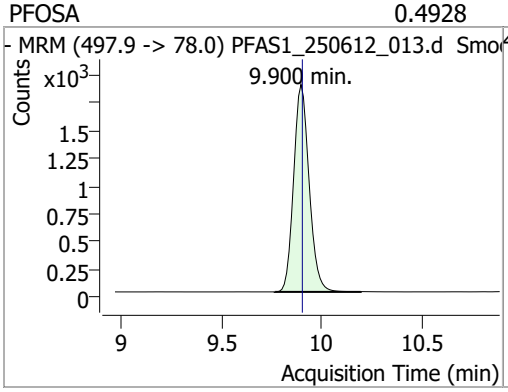
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4298	9.90	0.00	55726				

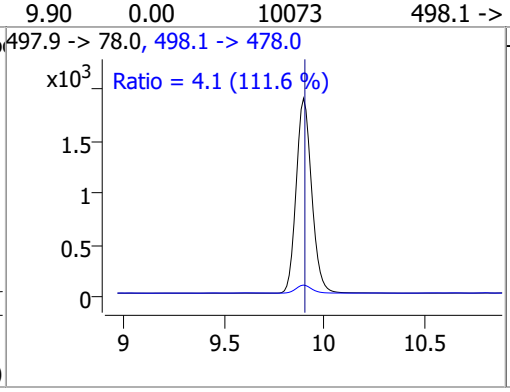


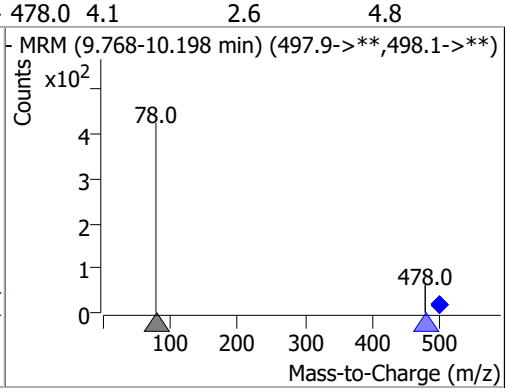




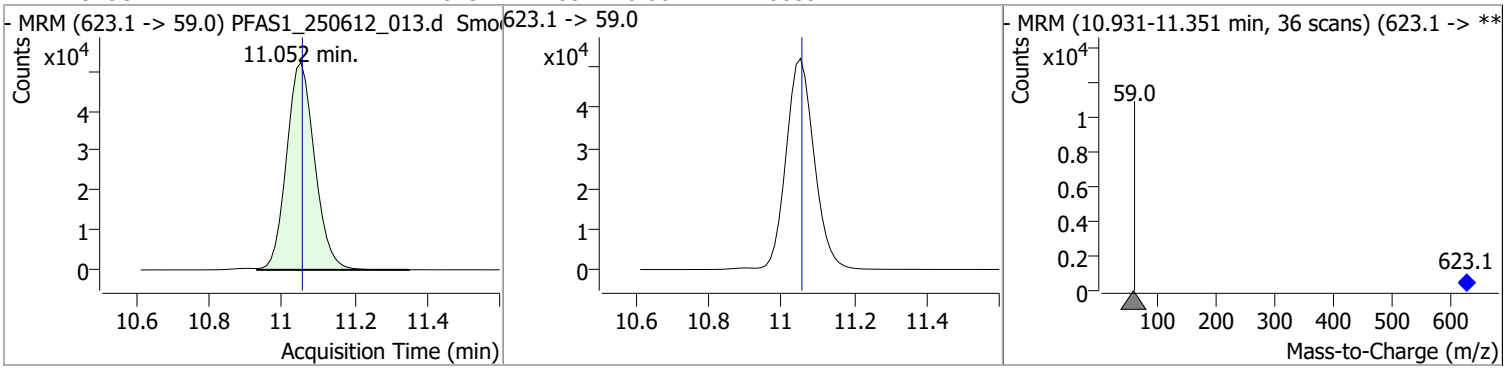
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.4928	9.90	0.00	10073	498.1 -> 478.0	4.1	2.6	4.8



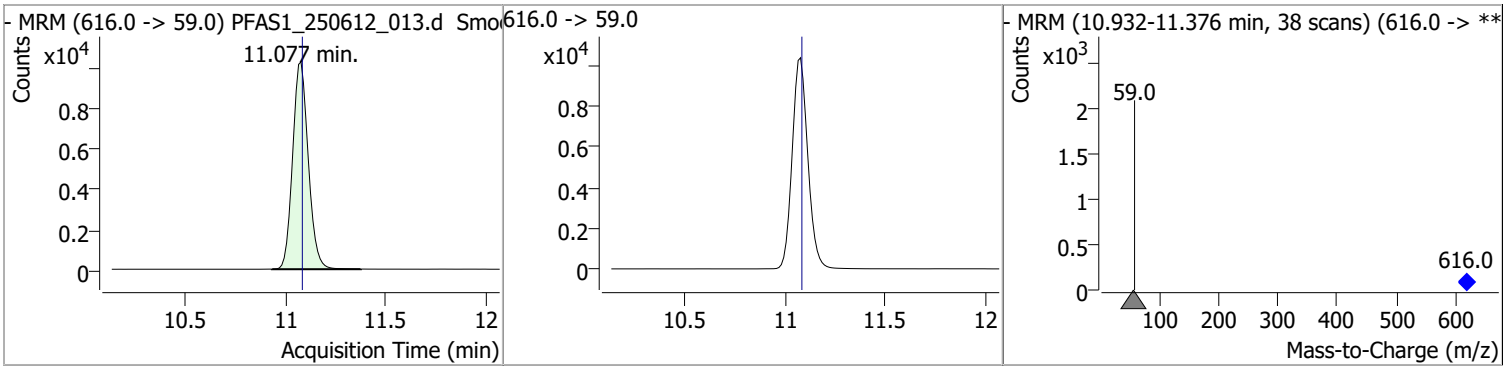




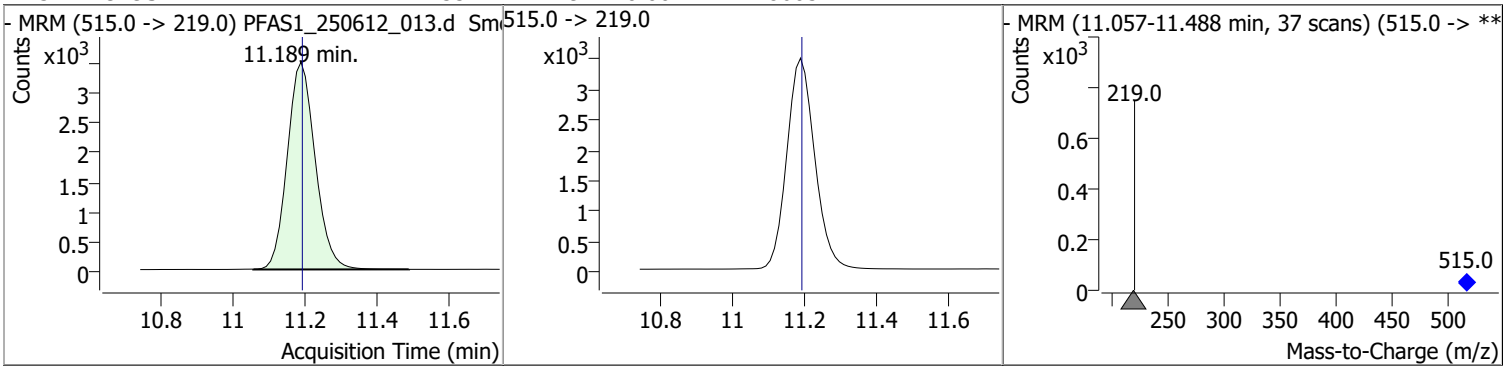
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.4013	11.05	0.00	280394				



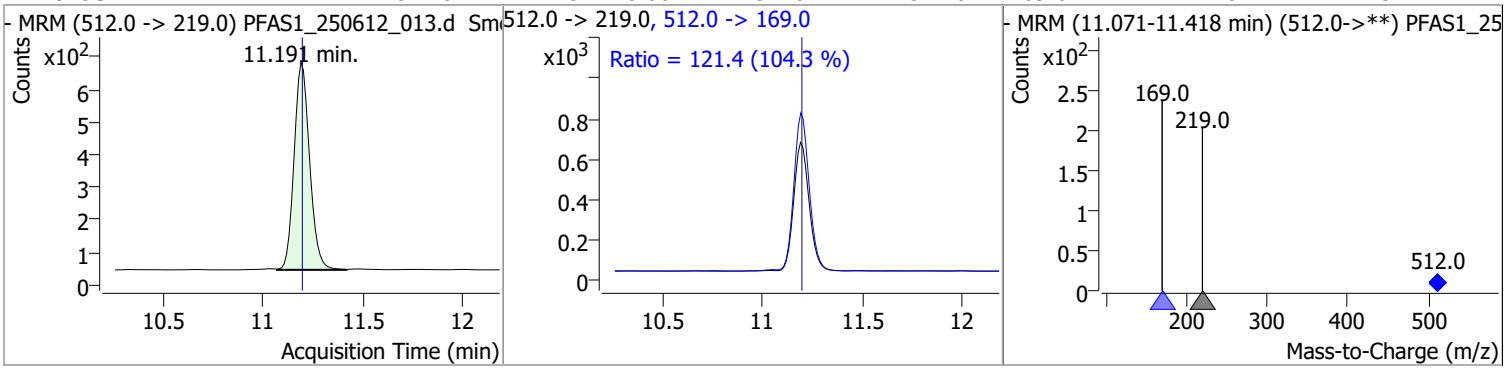
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	5.1352	11.08	0.00	55901				



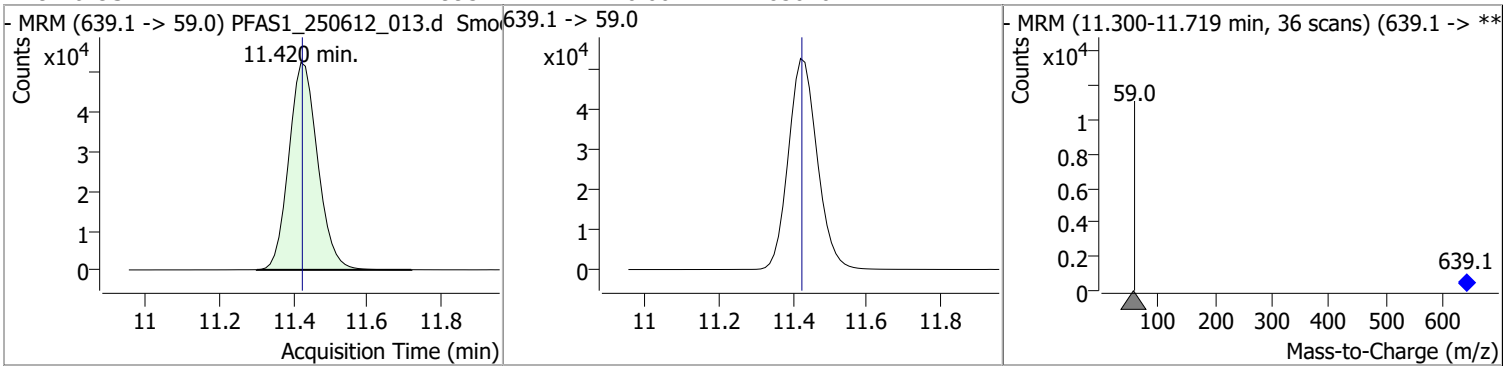
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4155	11.19	0.00	18605				



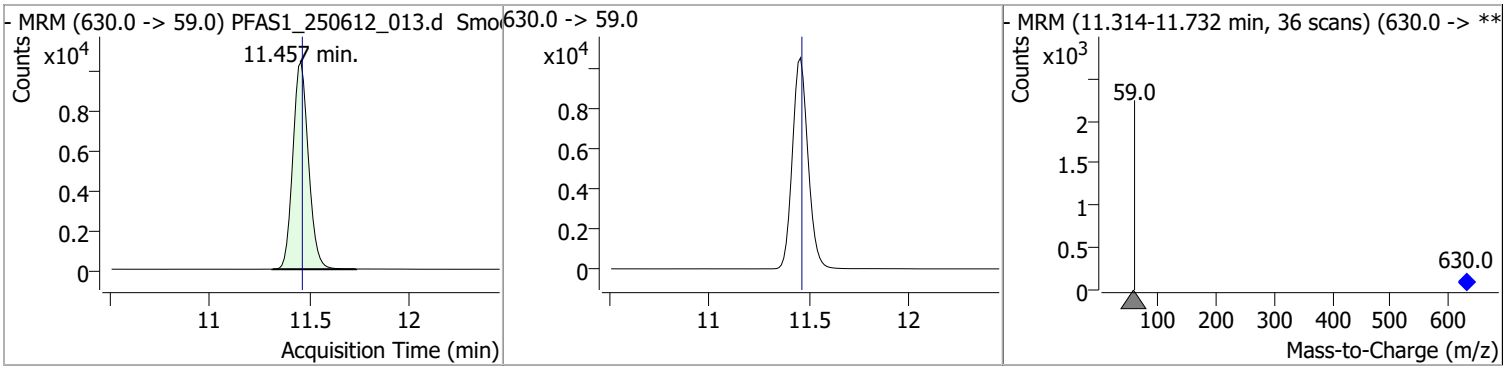
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.4702	11.19	0.00	3426	512.0 -> 169.0	121.4	81.4	151.2



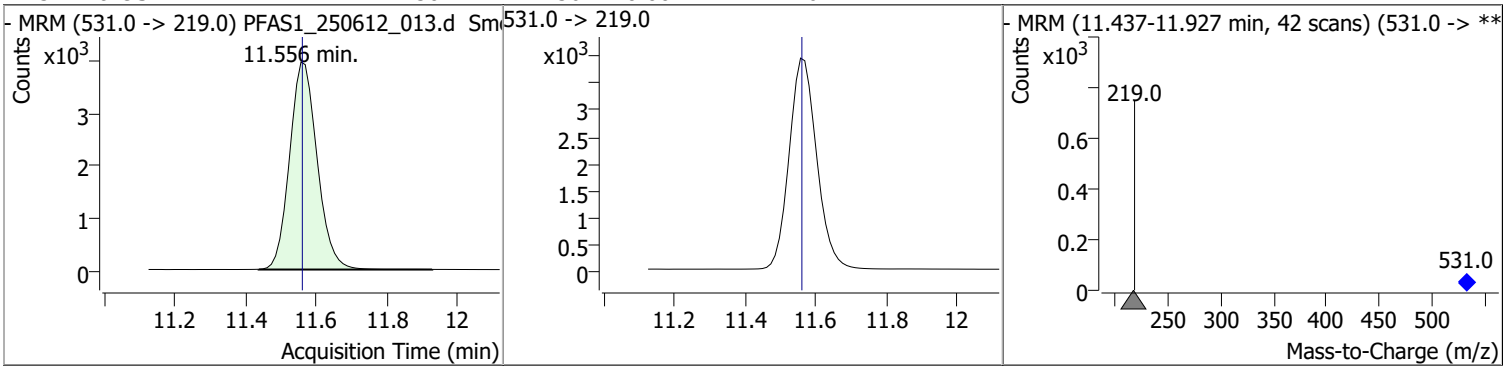
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.7993	11.42	0.00	285070				



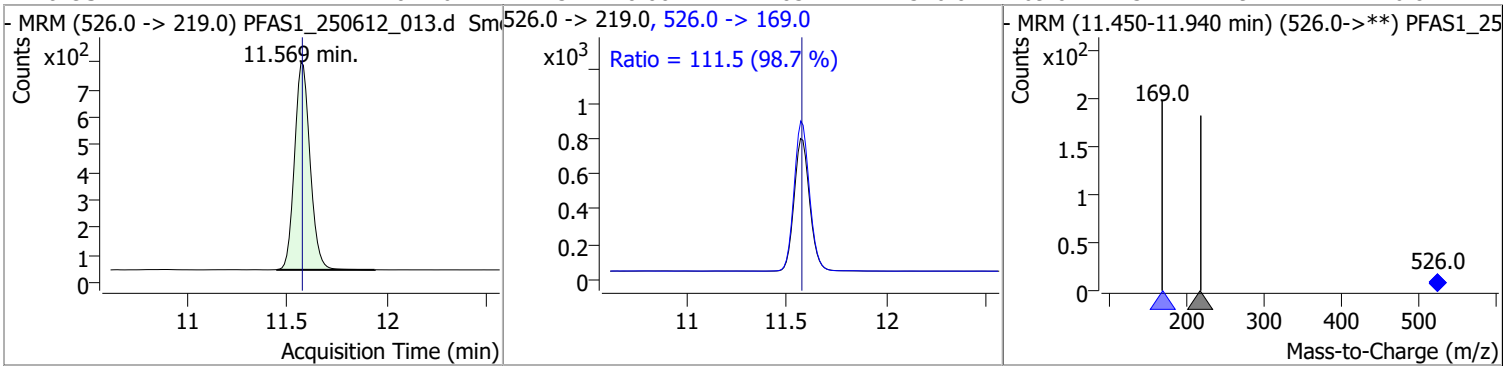
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	5.1474	11.46	0.00	56688				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5021	11.56	0.00	21176				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.4761	11.57	0.00	4103	526.0 -> 169.0	111.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_014.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 4:03:07 PM
Sample Name	SEQ-CAL3	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

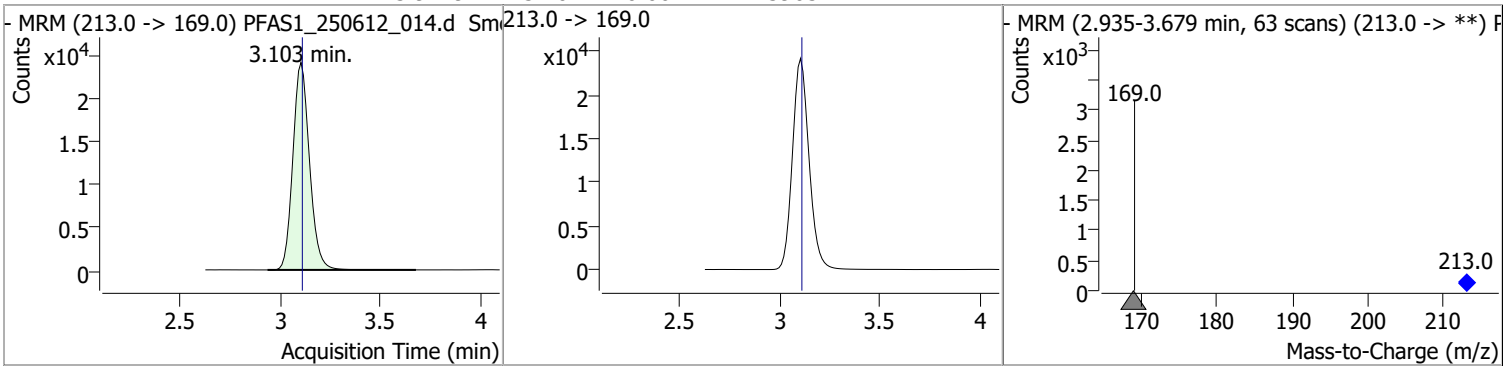
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	170551	5.0000	µg/L	7.823
13C2-PFHxA	5.479	315.0 -> 270.0	187840	2.5000	µg/L	5.129
18O2-PFHxS	6.808	403.0 -> 84.0	24829	2.5000	µg/L	5.652
13C4-PFOA	6.663	417.0 -> 172.0	21009	2.5000	µg/L	4.029
13C5-PFNA	7.137	468.0 -> 423.0	124468	1.2500	µg/L	4.002
13C2-PFDA	7.576	515.0 -> 470.0	127730	1.2500	µg/L	2.077
13C4-PFOS	7.757	503.0 -> 80.0	26095	2.5000	µg/L	4.522
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	392431	10.0000	µg/L	7.518
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.66%		
13C4-PFBA	3.095	217.0 -> 172.0	392431	10.0000	µg/L	7.518
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.66%		
13C5-PFPeA	4.594	268.0 -> 223.0	284668	5.0000	µg/L	5.524
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.41%		
13C5-PFPeA	4.594	268.0 -> 223.0	284668	5.0000	µg/L	5.524
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.41%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	17984	5.0000	µg/L	11.601
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.18%		
13C5-PFHxA	5.478	318.0 -> 273.0	193694	2.5000	µg/L	5.269
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.12%		
13C5-PFHxA	5.478	318.0 -> 273.0	193694	2.5000	µg/L	5.269
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.12%		
13C3-PFBS	5.494	302.0 -> 80.0	45742	2.5000	µg/L	7.307
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.77%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	233330	10.0000	µg/L	5.164
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.00%		
13C4-PFHpA	6.142	367.0 -> 322.0	219359	2.5000	µg/L	2.890
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.82%		
13C3-PFHxS	6.809	402.0 -> 80.0	28535	2.5000	µg/L	5.757
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.14%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12733	5.0000	µg/L	12.912
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.29%		
13C8-PFOA	6.662	421.0 -> 376.0	234361	2.5000	µg/L	3.748
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.65%		
13C3-PFHxS	6.809	402.0 -> 80.0	28535	2.5000	µg/L	5.757
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.14%		
13C9-PFNA	7.137	472.0 -> 427.0	126390	1.2500	µg/L	3.006
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.07%		
13C8-PFOS	7.756	507.0 -> 80.0	25861	2.5000	µg/L	4.512
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.03%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13214	5.0000	µg/L	7.358
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.68%		
13C6-PFDA	7.575	519.0 -> 474.0	141777	1.2500	µg/L	6.677
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.57%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	93516	5.0000	µg/L	0.619

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.99%		
13C8-PFOS	7.756	507.0 -> 80.0	25861	2.5000	µg/L	4.512
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.03%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	74459	5.0000	µg/L	-0.110
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.38%		
13C7-PFUnDA	8.011	570.0 -> 525.0	122118	1.2500	µg/L	5.855
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.73%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.816	615.0 -> 570.0	100400	1.2500	µg/L	1.410
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.27%		
13C2-PFDoDA	8.424	615.0 -> 570.0	101402	1.2500	µg/L	1.149
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.02%		
13C2-PFTDA	9.209	715.0 -> 670.0	99397	1.2500	µg/L	1.678
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.52%		
13C8-PFOSA	9.897	506.0 -> 78.0	56579	2.5000	µg/L	3.447
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.76%		
2H7-MeFOSE	11.052	623.1 -> 59.0	292495	25.0000	µg/L	6.474
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.90%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18663	2.5000	µg/L	1.687
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.00%		
2H9-EtFOSE	11.420	639.1 -> 59.0	298691	25.0000	µg/L	8.704
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 104.02%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	20764	2.5000	µg/L	2.810
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.22%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	139034	3.9449	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 98.62%		
PFMPA	3.794	229.0 -> 85.0	51210	1.9579	µg/L	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.90%		
3-3 FTCA	4.030	241.0 -> 177.0	5110	3.6974	µg/L	99
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 92.44%		
PFPeA	4.596	263.0 -> 219.0	107771	1.9475	µg/L	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.38%		
PFMBA	4.910	279.0 -> 85.0	67575	1.9181	µg/L	100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 95.90%		
4-2 FTSA	5.239	327.0 -> 307.0	47857	3.9111	µg/L	95
Spiked Amount: 3.750	Range: 70 - 130%			Recovery = 104.30%		
NFDHA	5.390	295.0 -> 201.0	6007	2.0056	µg/L	89
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.28%		
PFHxA	5.480	313.0 -> 269.0	76086	0.9789	µg/L	99
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.89%		
PFBS	5.495	298.9 -> 80.0	17184	0.8466	µg/L	100
Spiked Amount: 0.887	Range: 70 - 130%			Recovery = 95.45%		
HFPO-DA	5.736	285.0 -> 169.0	46448	1.9840	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.20%		
PFEESA	5.860	314.9 -> 135.0	103173	1.7924	µg/L	99
Spiked Amount: 1.780	Range: 70 - 130%			Recovery = 100.70%		
5-3 FTCA	6.132	341.0 -> 237.0	122178	18.5544	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 92.77%		
PFHpA	6.142	363.0 -> 319.0	84402	0.9897	µg/L	96
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.97%		
PFPeS	6.240	348.9 -> 80.0	13212	0.9506	µg/L	95
Spiked Amount: 0.941	Range: 70 - 130%			Recovery = 101.02%		
DONA	6.333	377.0 -> 251.0	196437	1.8491	µg/L	97
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 97.83%		

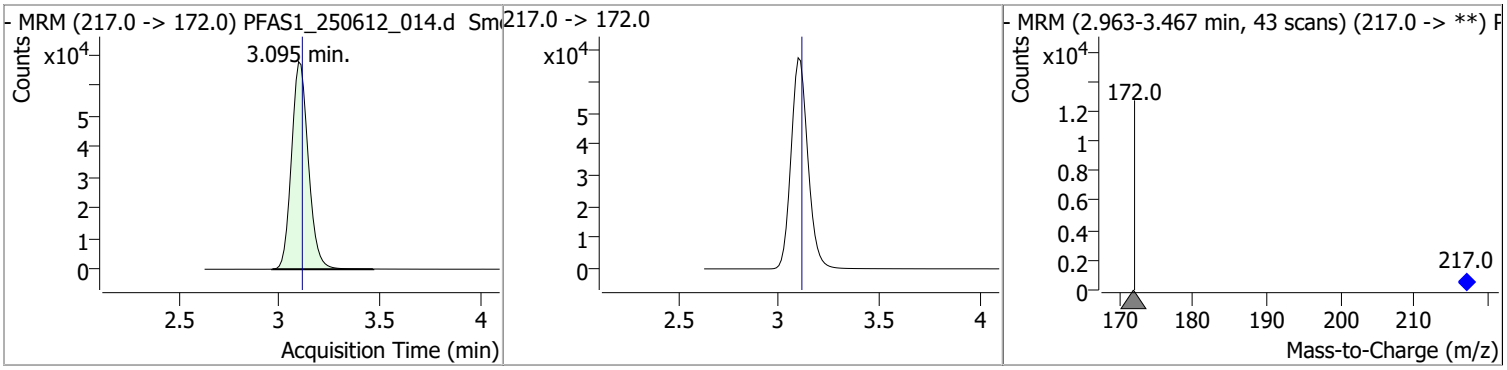
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	41928	3.8756	µg/L	97
Spiked Amount: 3.800	Range: 70 - 130%			Recovery = 101.99%		
PFOA	6.663	413.0 -> 369.0	89050	0.9760	µg/L	96
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.60%		
PFHxS	6.810	398.9 -> 80.0	10432	0.8856	µg/L	96
Spiked Amount: 0.914	Range: 70 - 130%			Recovery = 96.89%		
PFNA	7.138	463.0 -> 419.0	91749	0.9746	µg/L	94
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.46%		
PFHpS	7.295	448.9 -> 80.0	9930	0.9362	µg/L	98
Spiked Amount: 0.953	Range: 70 - 130%			Recovery = 98.24%		
8-2 FTSA	7.373	527.0 -> 507.0	37580	4.0166	µg/L	100
Spiked Amount: 3.840	Range: 70 - 130%			Recovery = 104.60%		
7-3 FTCA	7.463	441.0 -> 317.0	134756	18.5247	µg/L	98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 92.62%		
PFDA	7.576	513.0 -> 469.0	103454	0.9686	µg/L	98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 96.86%		
N-MeFOSAA	7.704	570.0 -> 419.0	15618	0.9459	µg/L	92
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 94.59%		
PFOS	7.758	498.9 -> 80.0	10771	0.9055	µg/L	96
Spiked Amount: 0.928	Range: 70 - 130%			Recovery = 97.57%		
N-EtFOSAA	7.939	584.0 -> 419.0	14478	1.0162	µg/L	98
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.62%		
PFUnDA	8.012	563.0 -> 519.0	93006	0.9719	µg/L	97
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 97.19%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	145671	1.9354	µg/L	96
Spiked Amount: 1.870	Range: 70 - 130%			Recovery = 103.50%		
PFNS	8.204	548.9 -> 80.0	10438	0.9543	µg/L	96
Spiked Amount: 0.962	Range: 70 - 130%			Recovery = 99.20%		
PFDoDA	8.424	613.0 -> 569.0	80299	1.0116	µg/L	95
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.16%		
PFDS	8.618	598.9 -> 80.0	9046	1.0227	µg/L	96
Spiked Amount: 0.965	Range: 70 - 130%			Recovery = 105.98%		
PFTrDA	8.829	663.0 -> 619.0	79356	1.0096	µg/L	96
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 100.96%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	98202	1.8918	µg/L	99
Spiked Amount: 1.890	Range: 70 - 130%			Recovery = 100.10%		
PFTDA	9.198	712.9 -> 669.0	76770	1.0196	µg/L	95
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 101.96%		
PFDoS	9.356	698.9 -> 80.0	5552	0.9583	µg/L	95
Spiked Amount: 0.970	Range: 70 - 130%			Recovery = 98.79%		
PFOSA	9.900	497.9 -> 78.0	20492	0.9826	µg/L	100
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.26%		
MeFOSE	11.077	616.0 -> 59.0	117331	10.4085	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 104.09%		
N-MeFOSA	11.191	512.0 -> 219.0	7249	0.9899	µg/L	99
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.99%		
EtFOSE	11.457	630.0 -> 59.0	118913	10.5194	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 105.19%		
N-EtFOSA	11.569	526.0 -> 219.0	8477	0.9818	µg/L	94
Spiked Amount: 1.000	Range: 70 - 130%			Recovery = 98.18%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

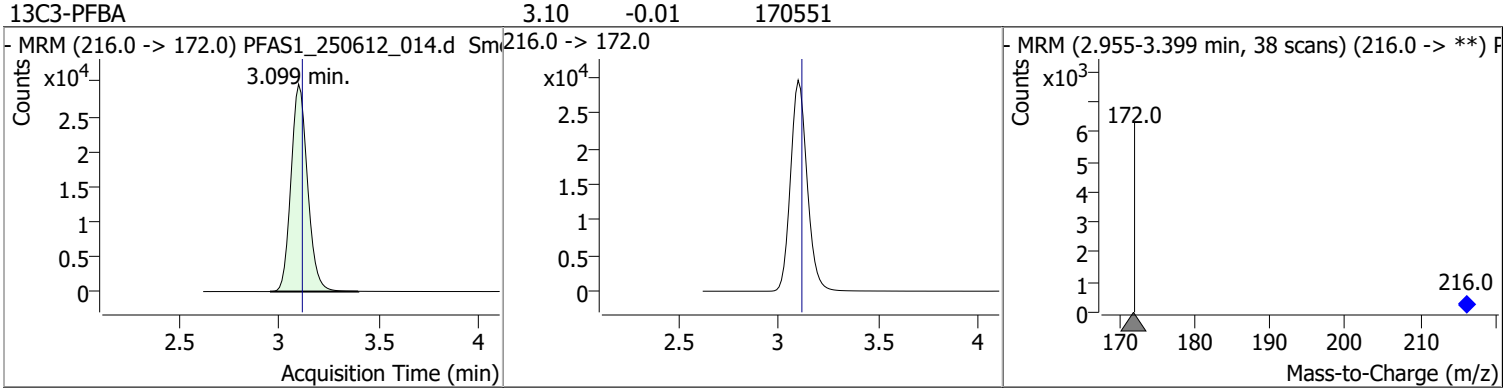
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	3.9449	3.10	0.00	139034				



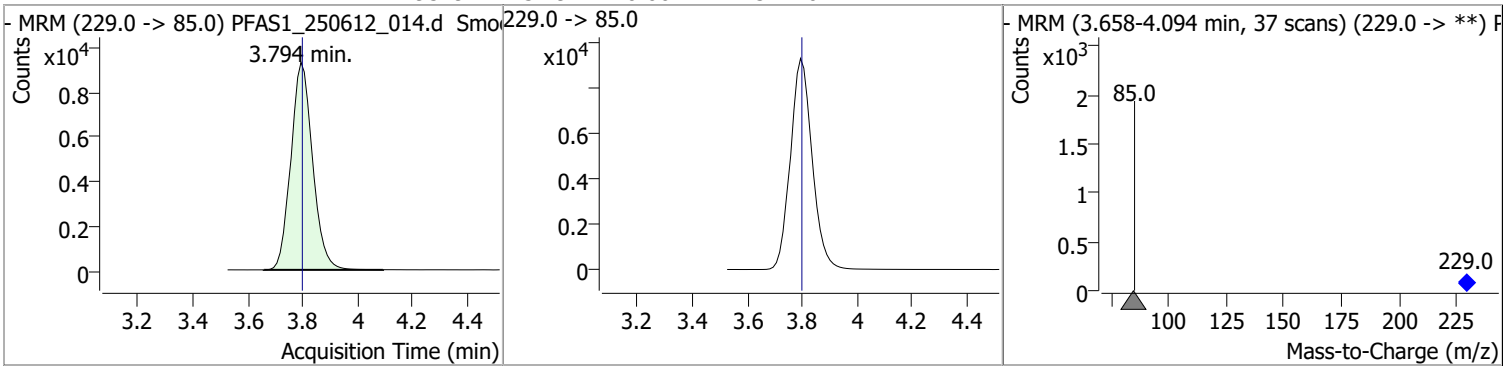
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9660	3.09	-0.01	392431				



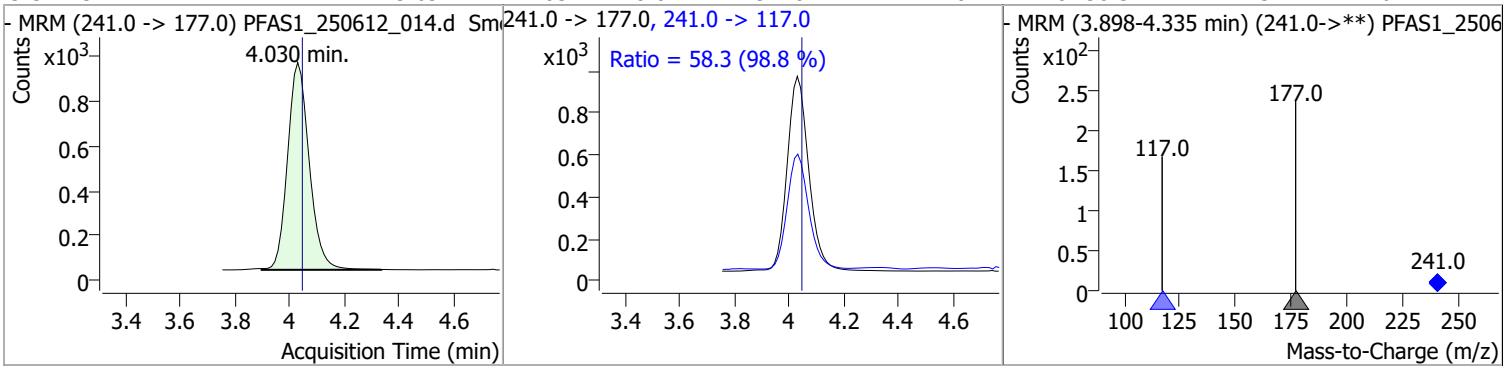
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	170551				



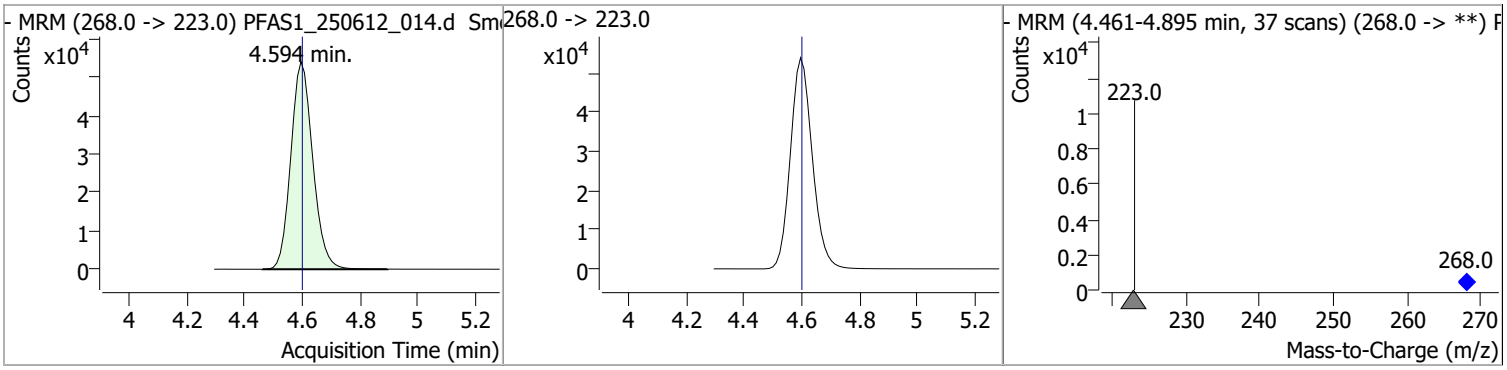
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	1.9579	3.79	0.00	51210				



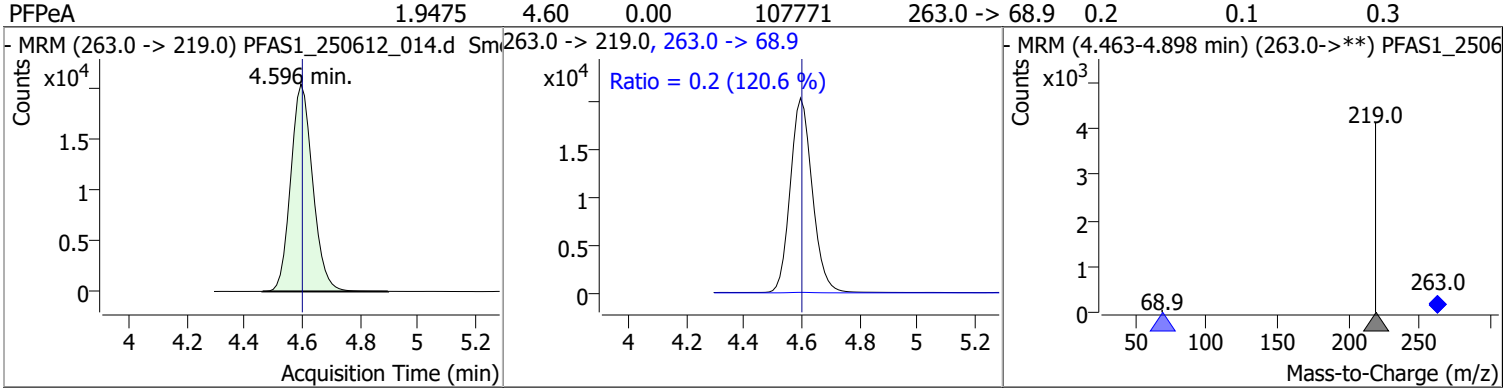
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	3.6974	4.03	-0.01	5110	241.0 -> 117.0	58.3	41.3	76.7



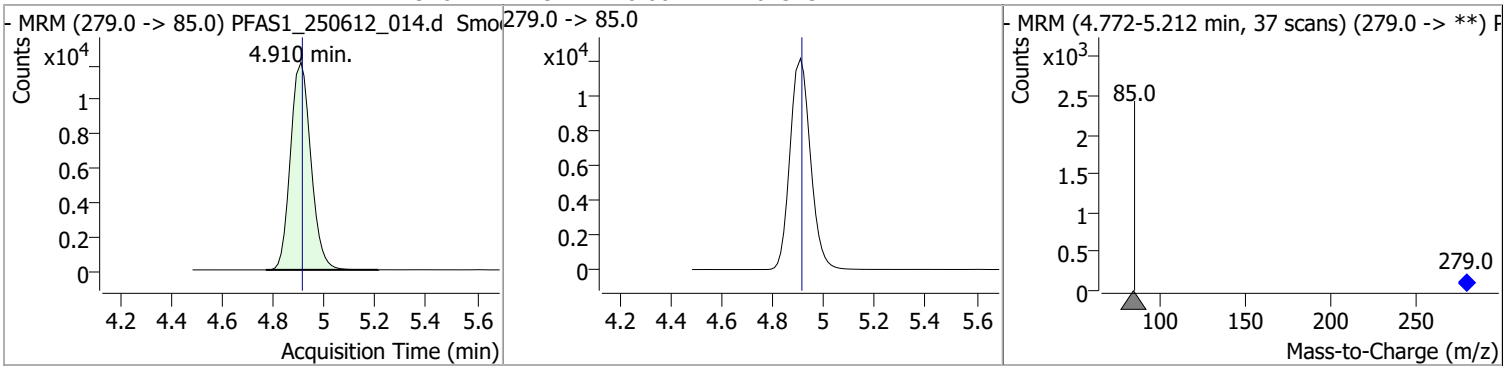
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0205	4.59	0.00	284668				



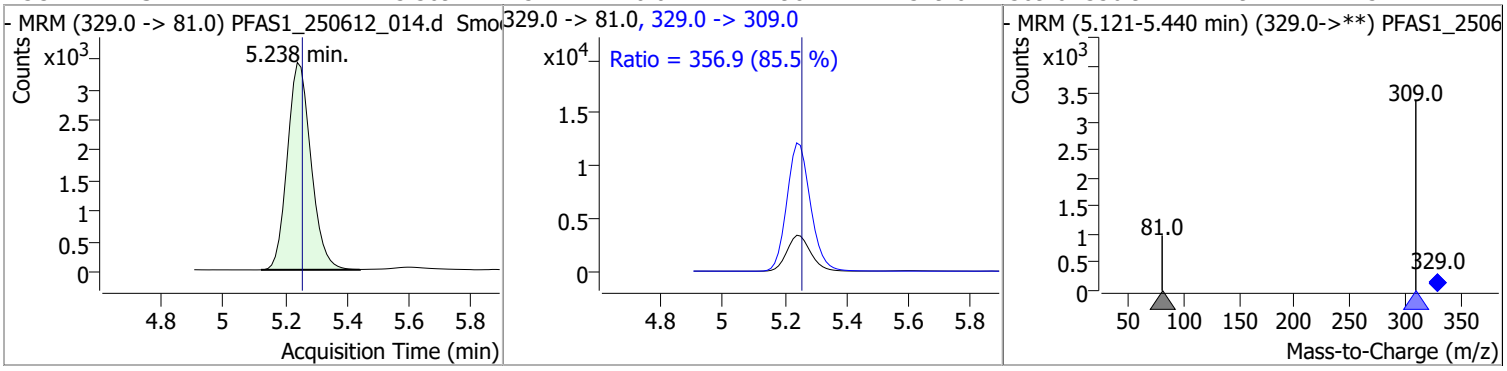
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	1.9475	4.60	0.00	107771	263.0 -> 68.9	0.2	0.1	0.3



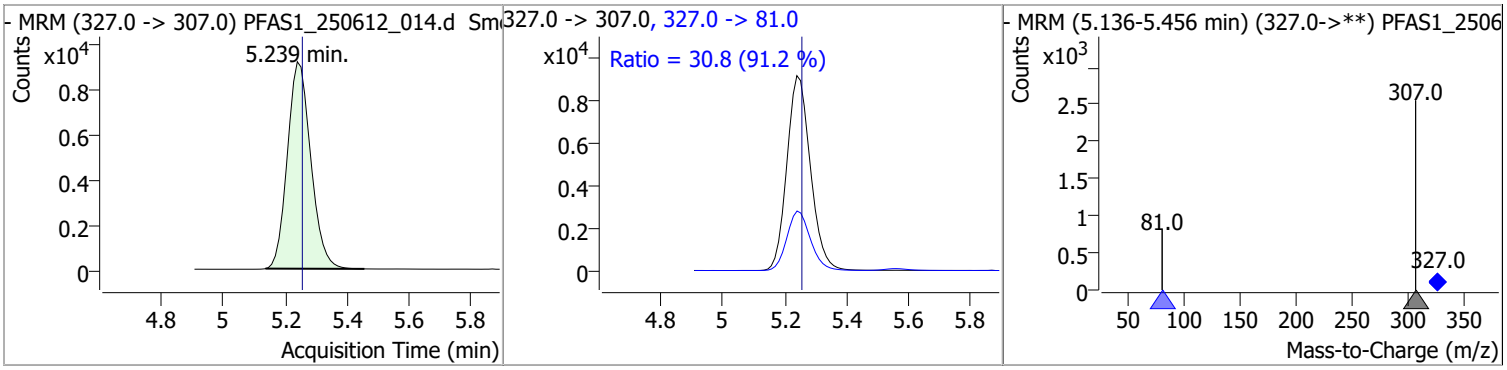
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	1.9181	4.91	0.00	67575				



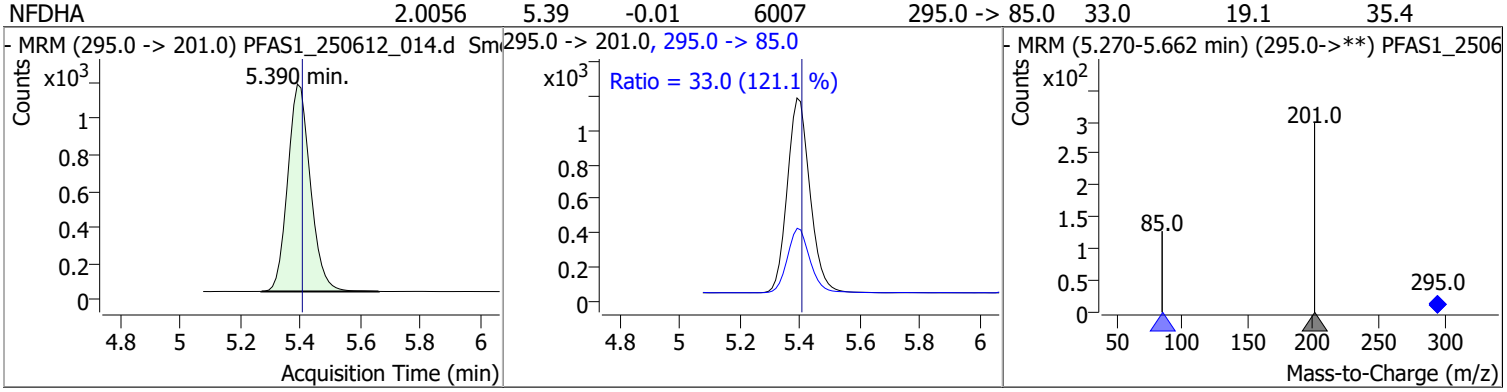
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3091	5.24	-0.01	17984	329.0 -> 309.0	356.9	292.1	542.4



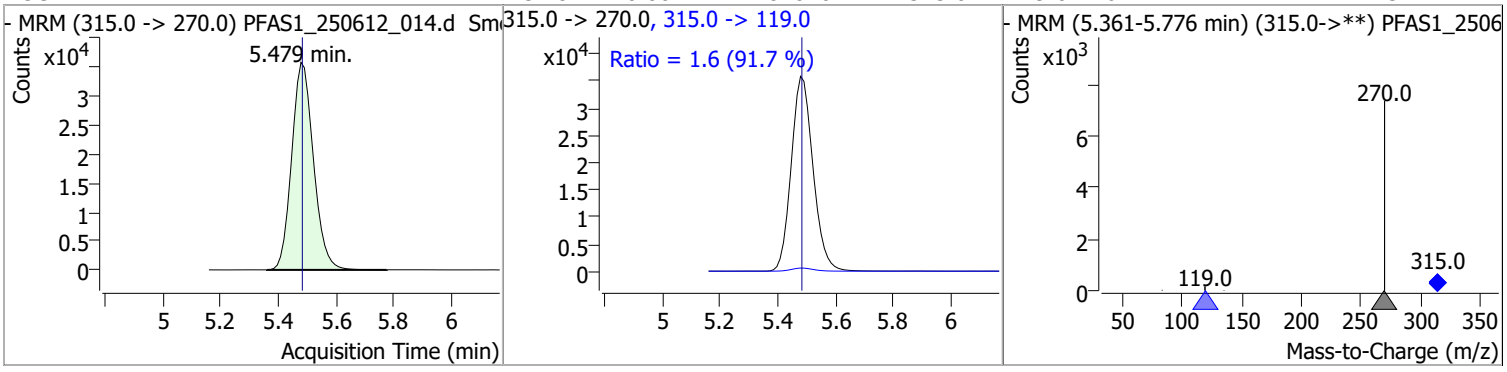
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	3.9111	5.24	-0.01	47857	327.0 -> 81.0	30.8	23.6	43.9



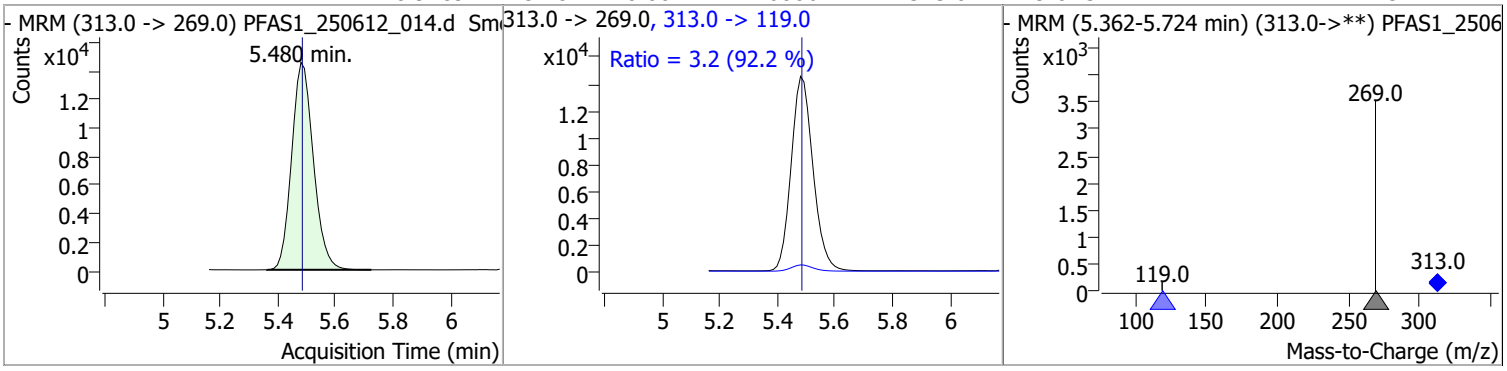
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	2.0056	5.39	-0.01	6007	295.0 -> 85.0	33.0	19.1	35.4



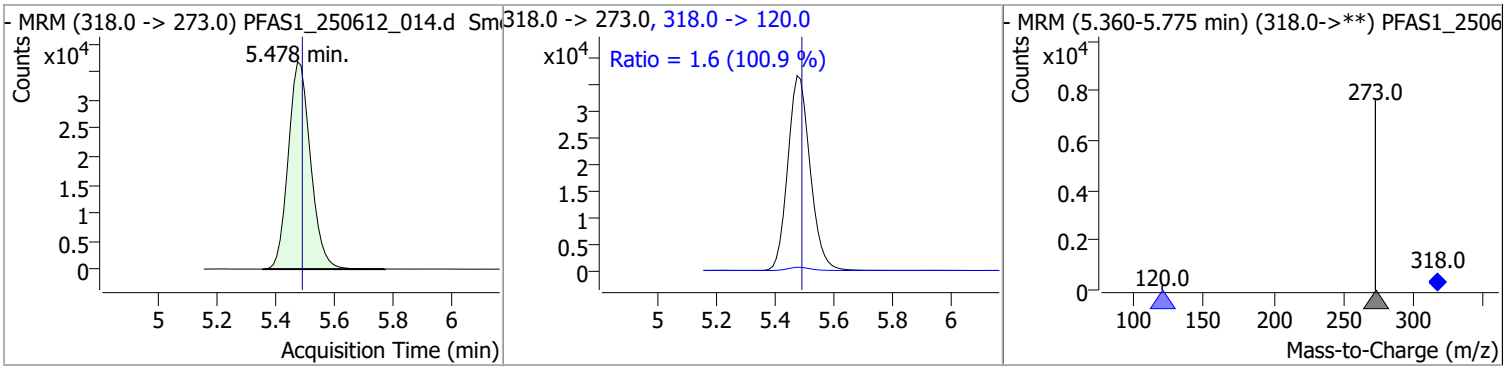
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	187840	315.0 -> 119.0	1.6	1.2	2.3



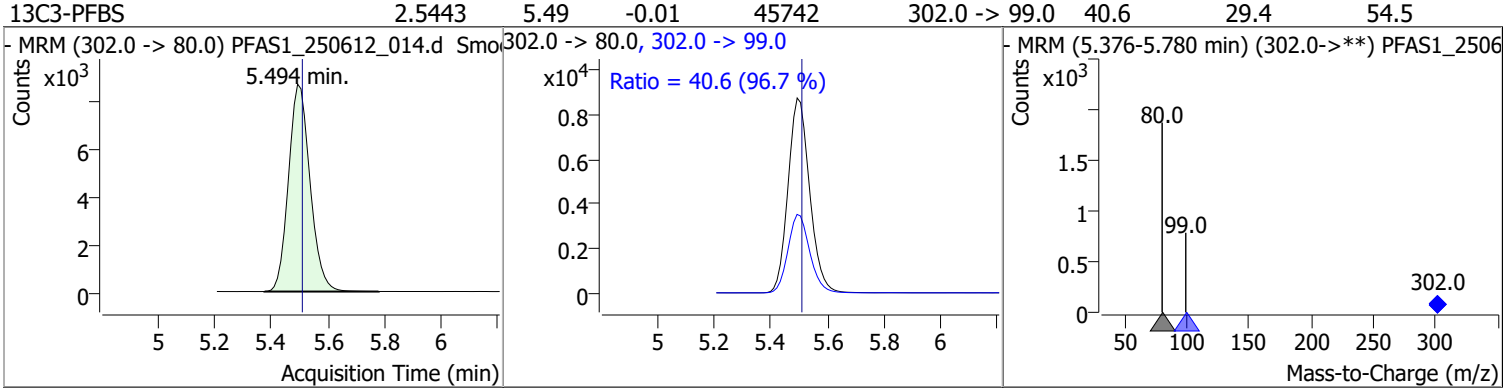
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.9789	5.48	0.00	76086	313.0 -> 119.0	3.2	2.4	4.5



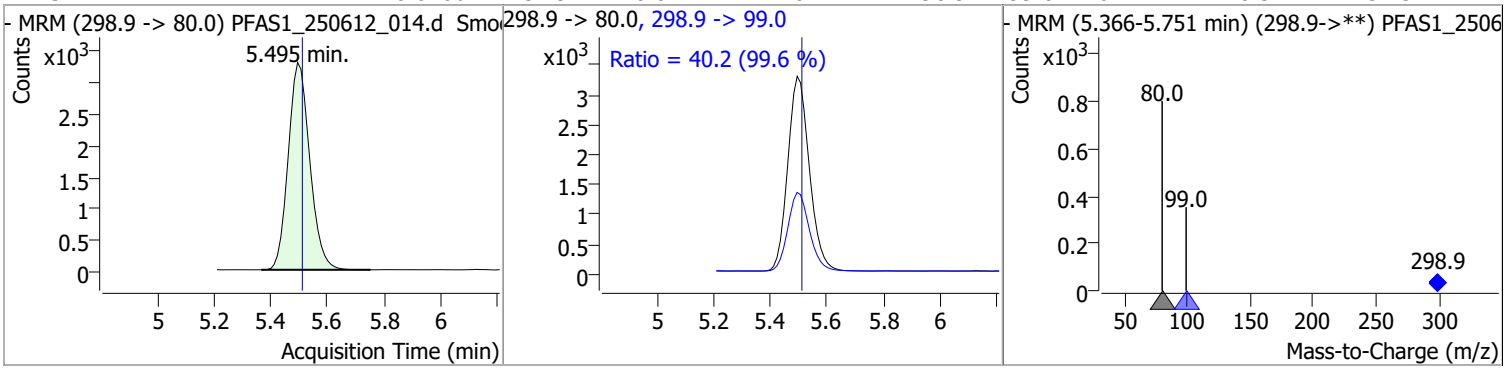
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5029	5.48	-0.01	193694	318.0 -> 120.0	1.6	1.1	2.1



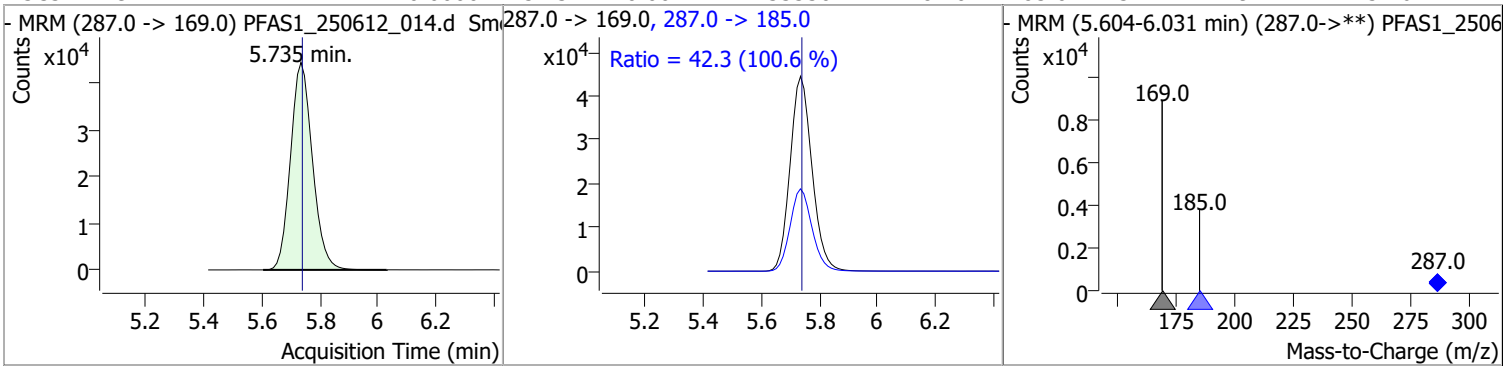
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5443	5.49	-0.01	45742	302.0 -> 99.0	40.6	29.4	54.5



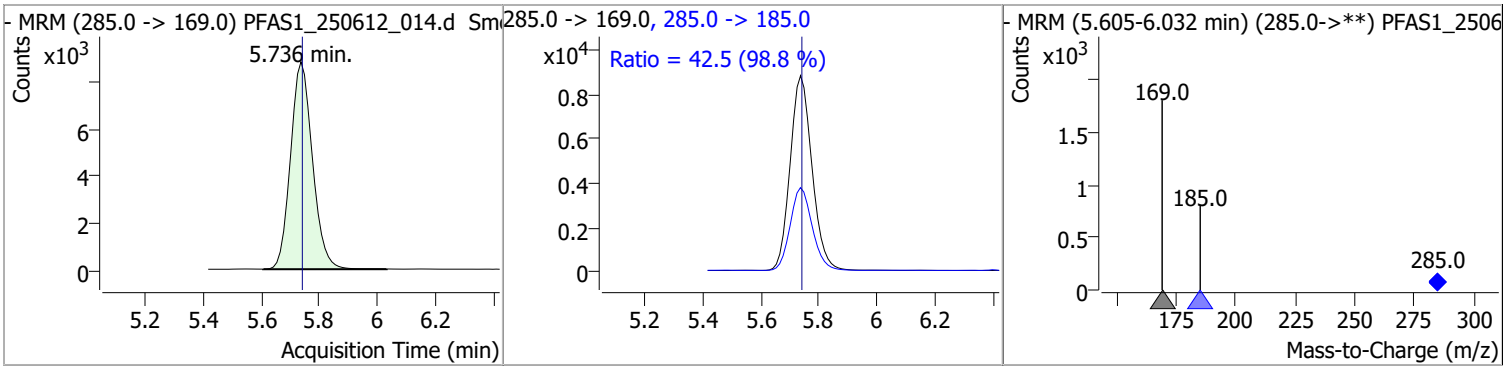
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.8466	5.49	-0.01	17184	298.9 -> 99.0	40.2	28.3	52.5



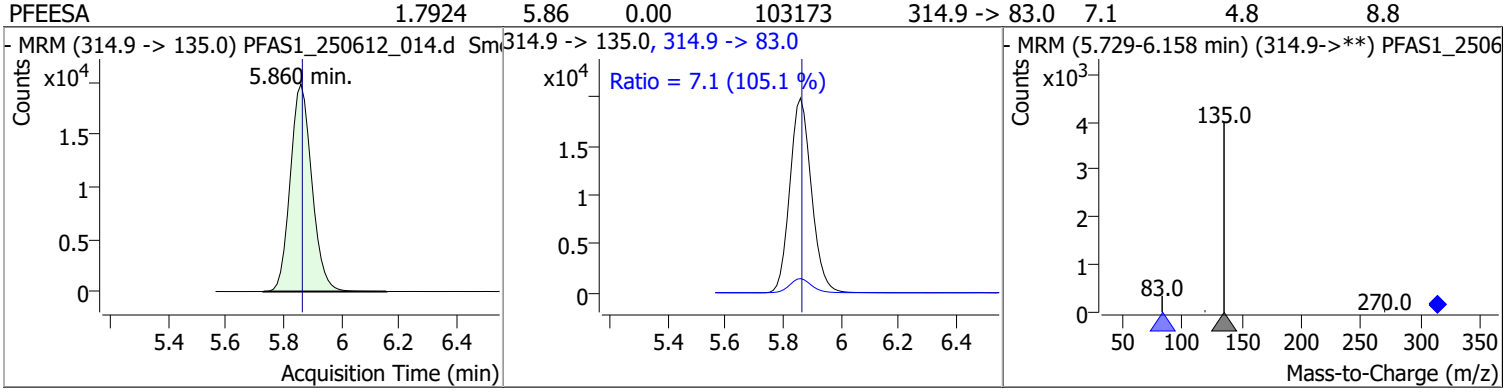
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0000	5.73	0.00	233330	287.0 -> 185.0	42.3	29.4	54.6



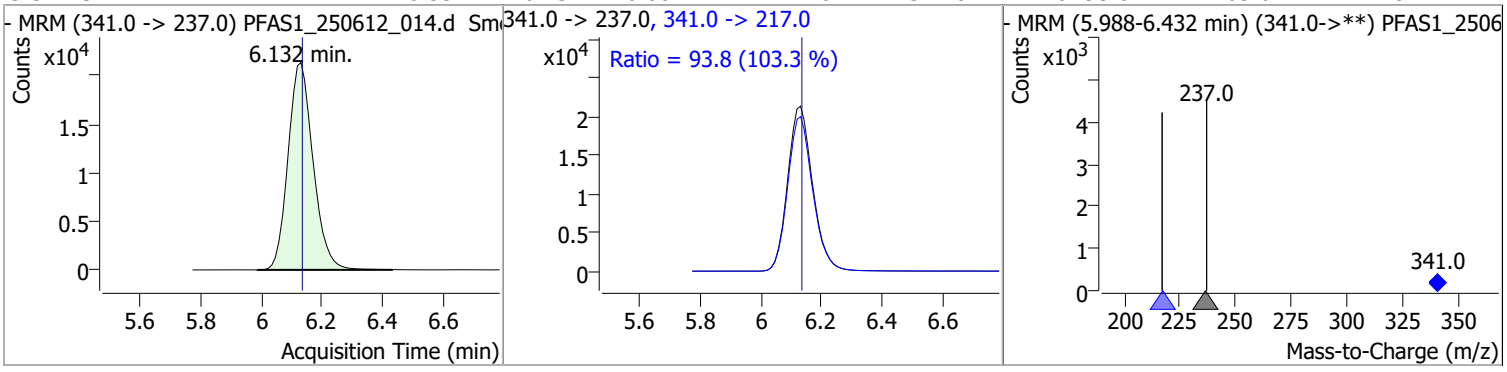
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	1.9840	5.74	0.00	46448	285.0 -> 185.0	42.5	30.1	56.0



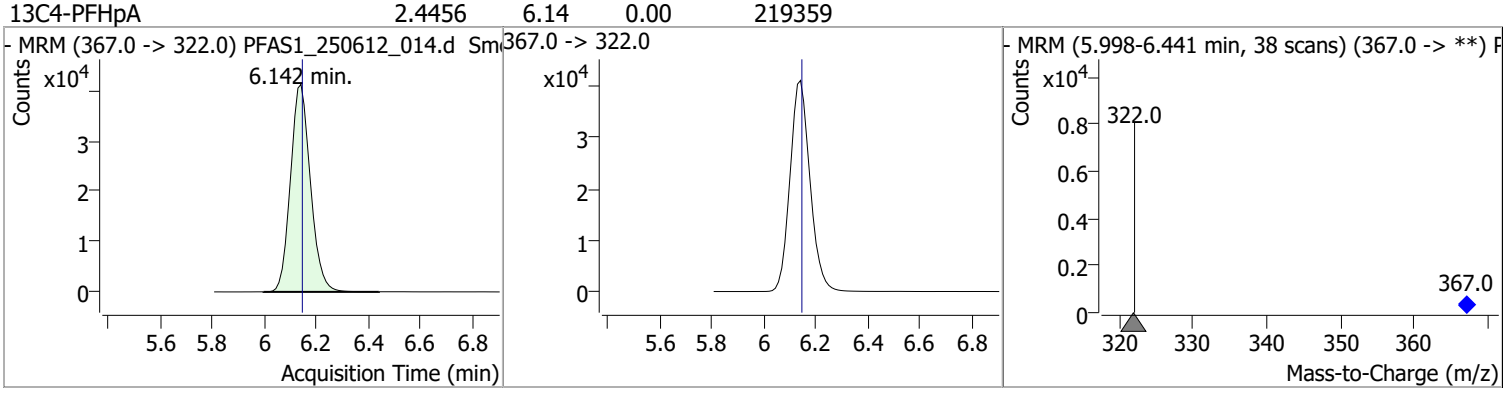
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	1.7924	5.86	0.00	103173	314.9 -> 83.0	7.1	4.8	8.8



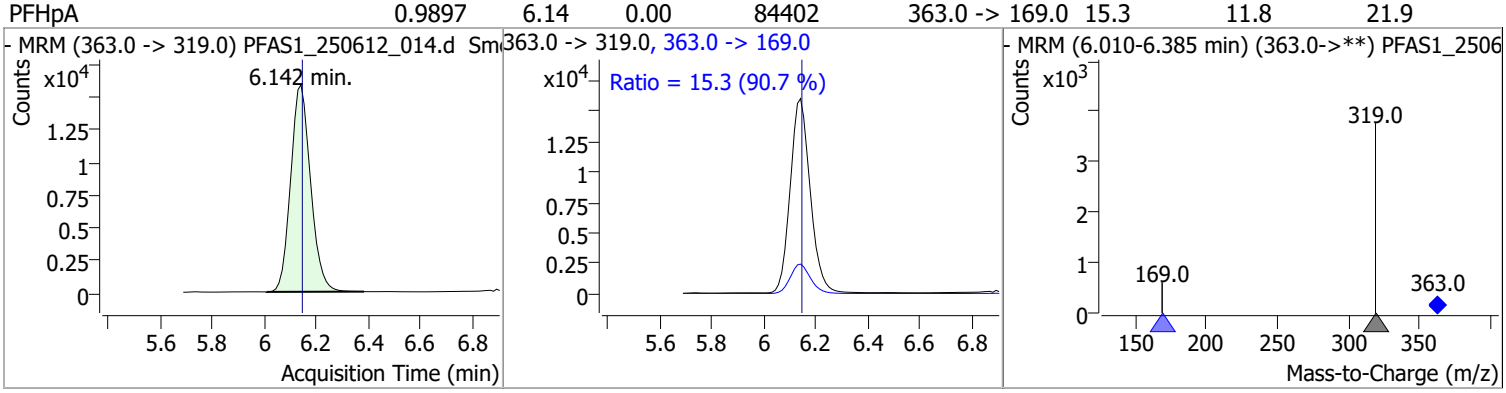
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	18.5544	6.13	0.00	122178	341.0 -> 217.0	93.8	63.6	118.1



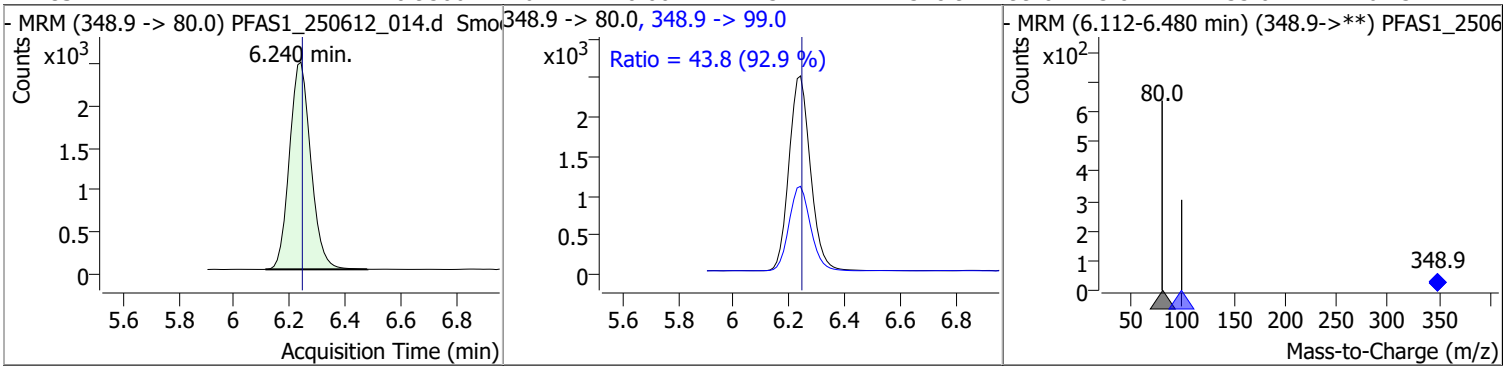
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4456	6.14	0.00	219359				



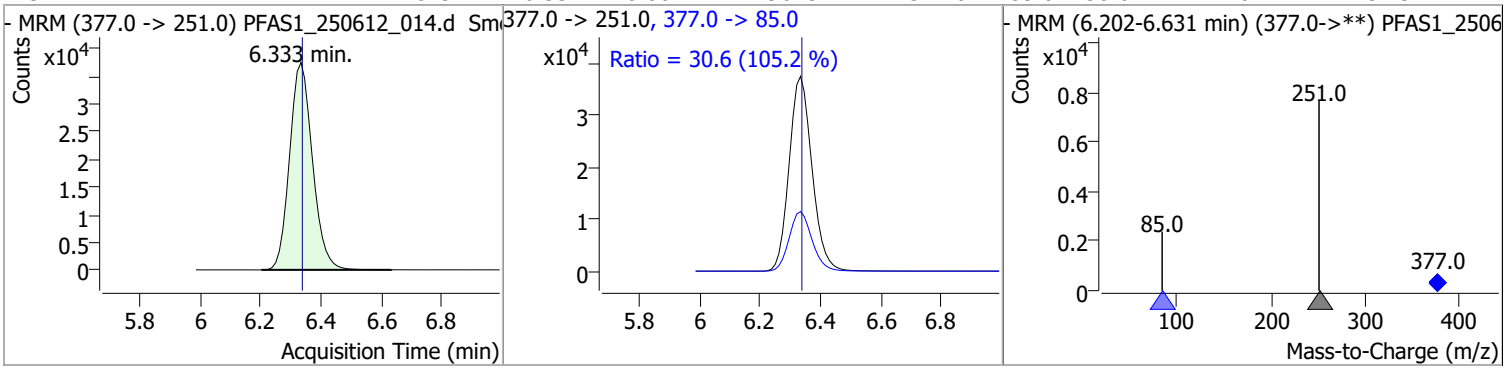
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.9897	6.14	0.00	84402	363.0 -> 169.0	15.3	11.8	21.9



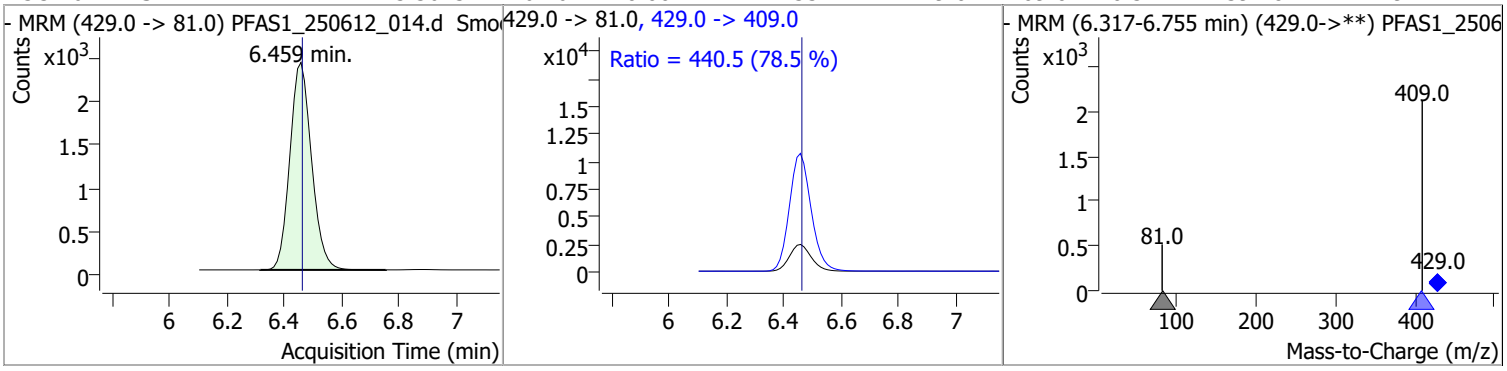
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.9506	6.24	0.00	13212	348.9 -> 99.0	43.8	33.0	61.3



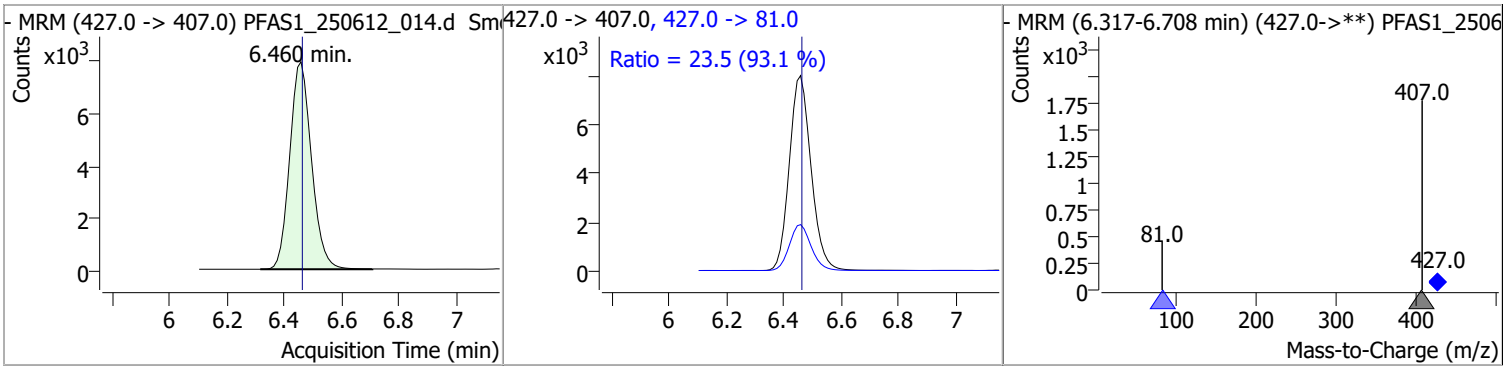
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	1.8491	6.33	0.00	196437	377.0 -> 85.0	30.6	20.4	37.9



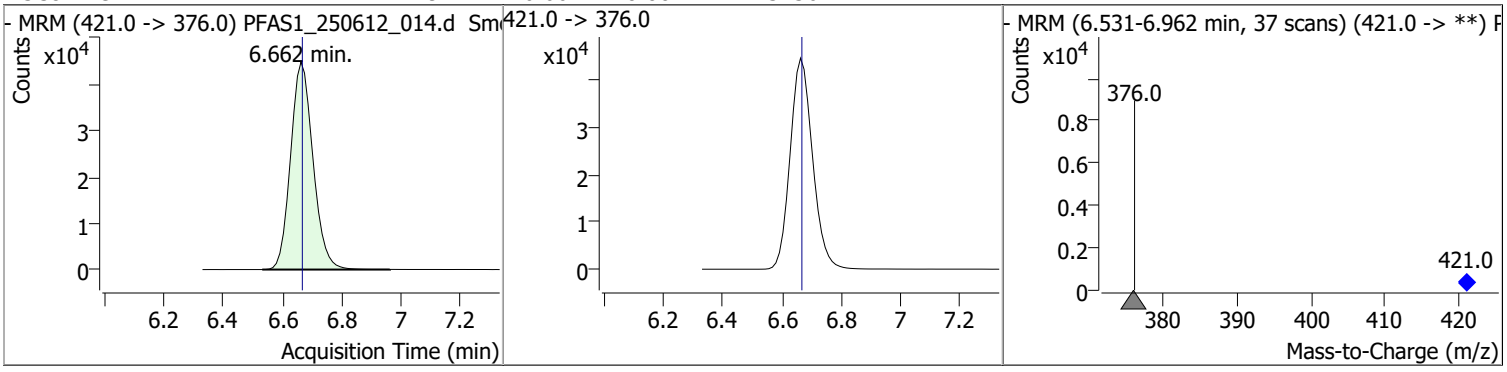
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3643	6.46	0.00	12733	429.0 -> 409.0	440.5	392.8	729.4



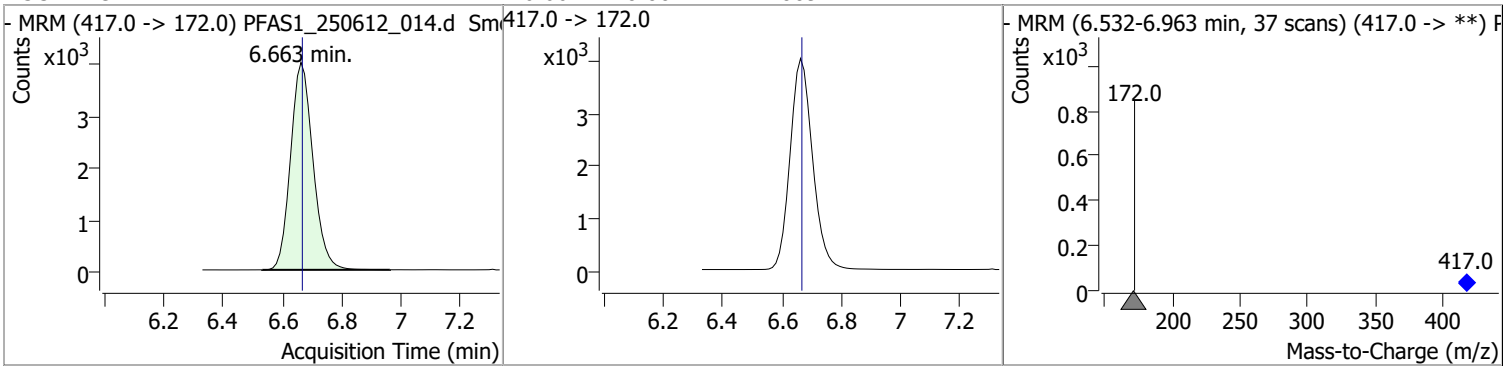
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	3.8756	6.46	0.00	41928	427.0 -> 81.0	23.5	17.7	32.8



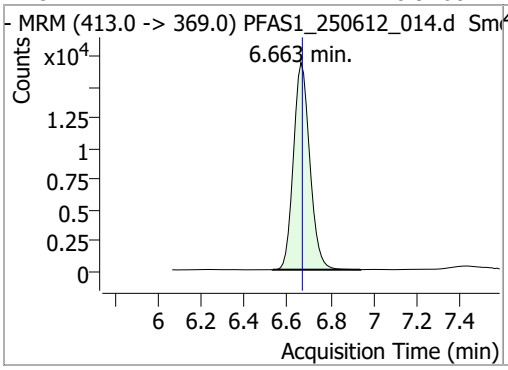
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4912	6.66	0.00	234361				

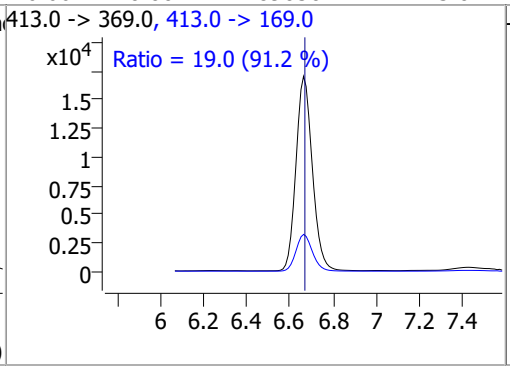


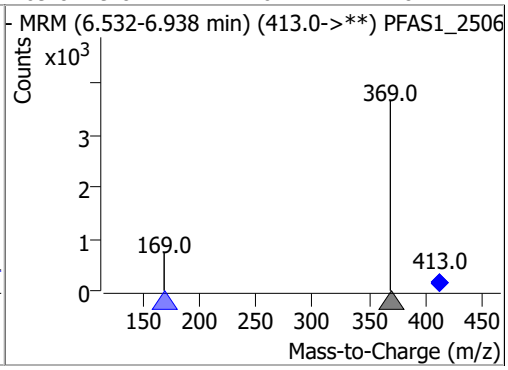
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21009				



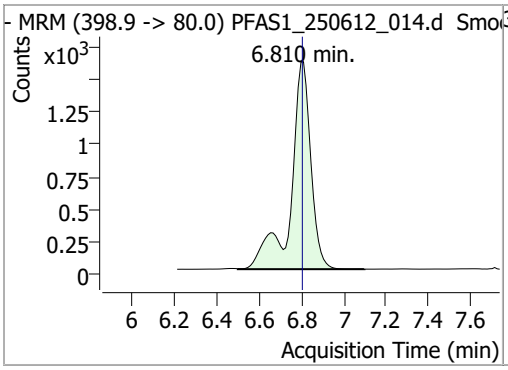
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.9760	6.66	0.00	89050	413.0 -> 169.0	19.0	14.6	27.0

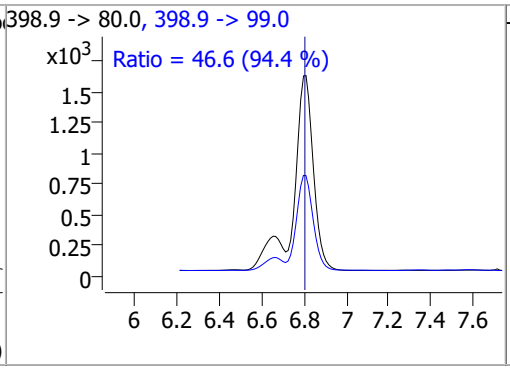


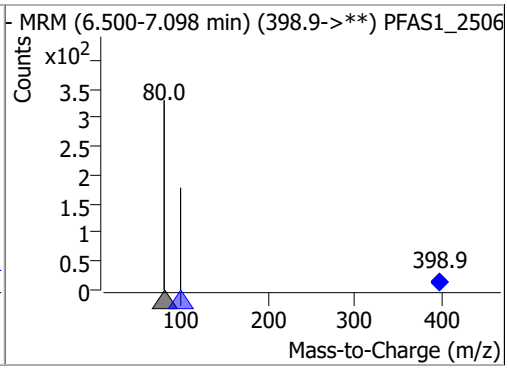




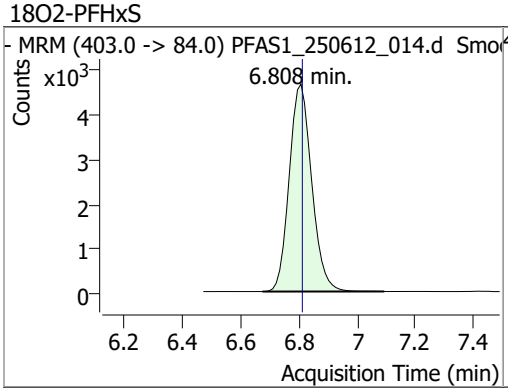
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.8856	6.81	0.01	10432	398.9 -> 99.0	46.6	34.6	64.2

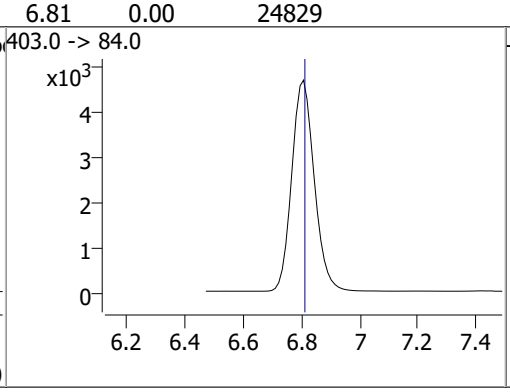


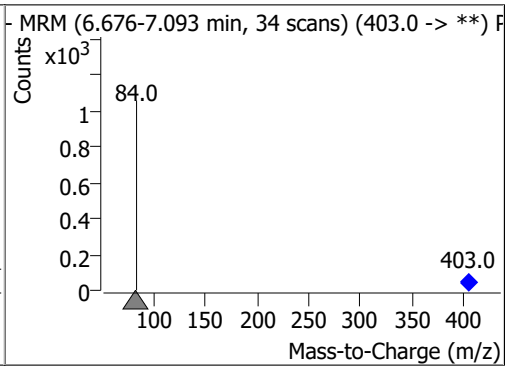




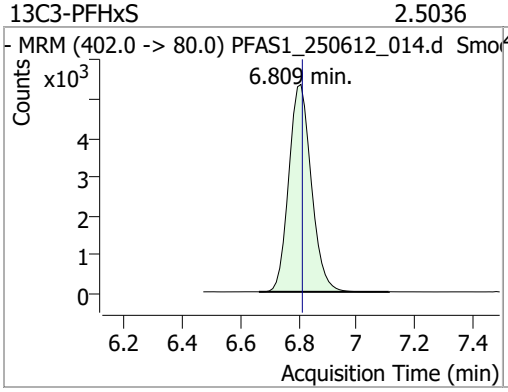
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24829				

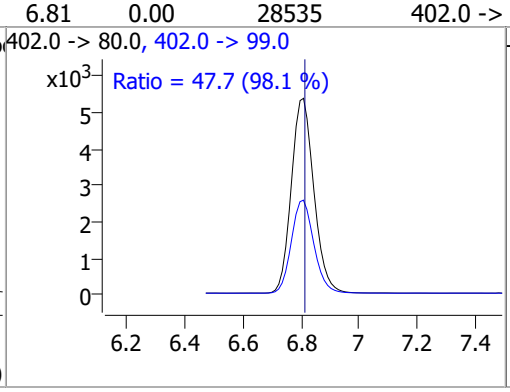


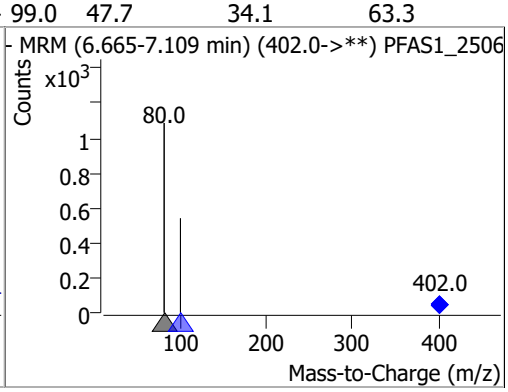




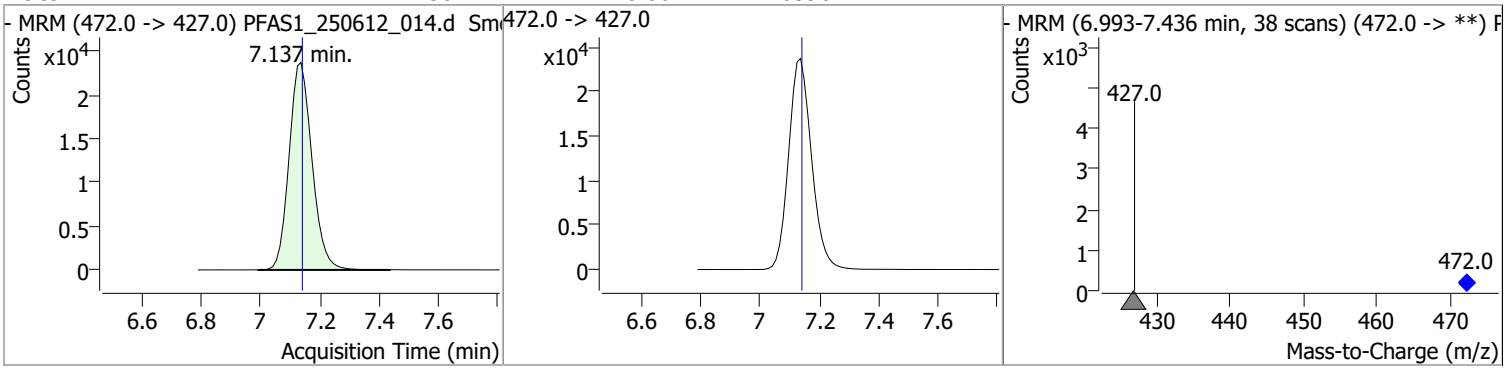
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5036	6.81	0.00	28535	402.0 -> 99.0	47.7	34.1	63.3



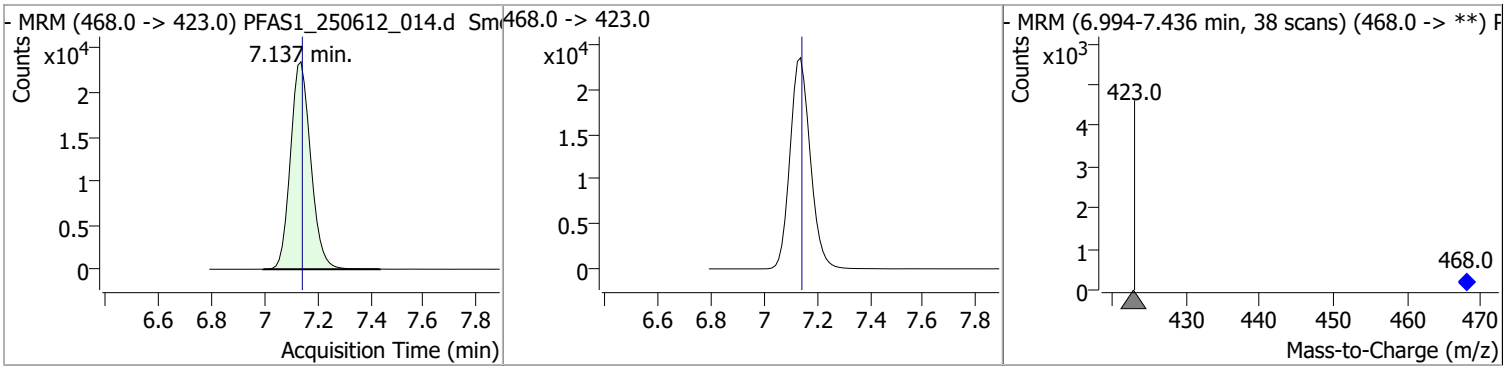




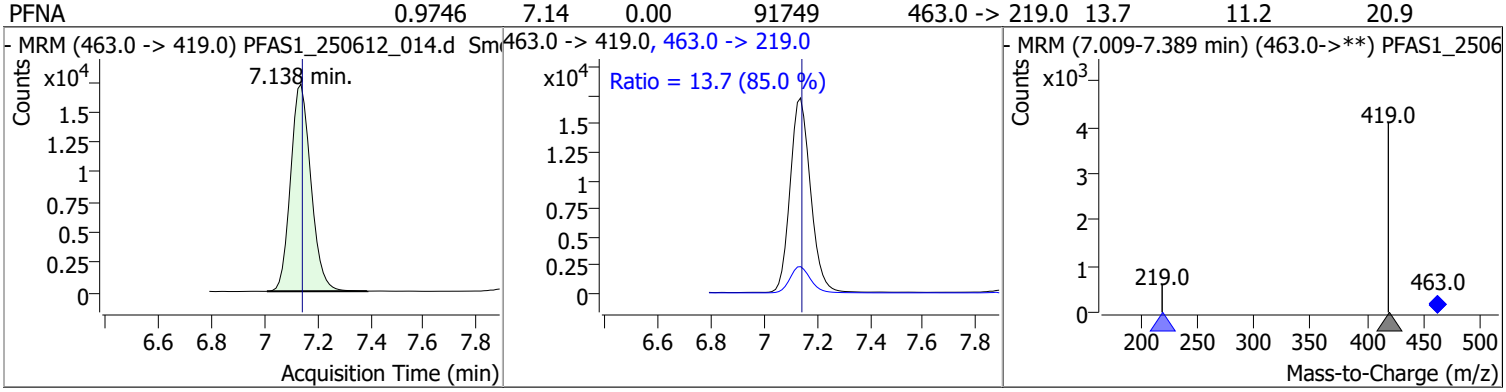
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2384	7.14	0.00	126390				



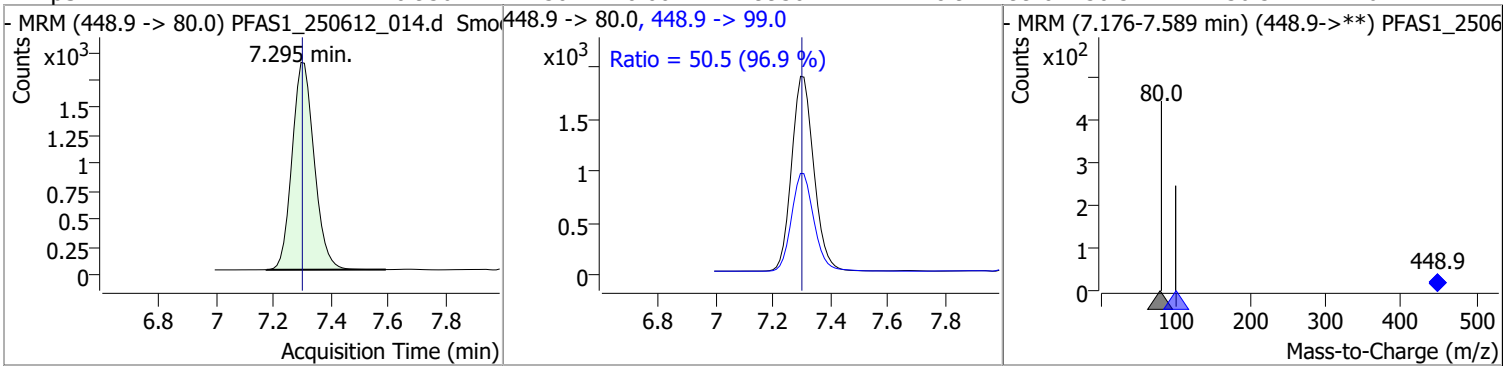
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	124468				



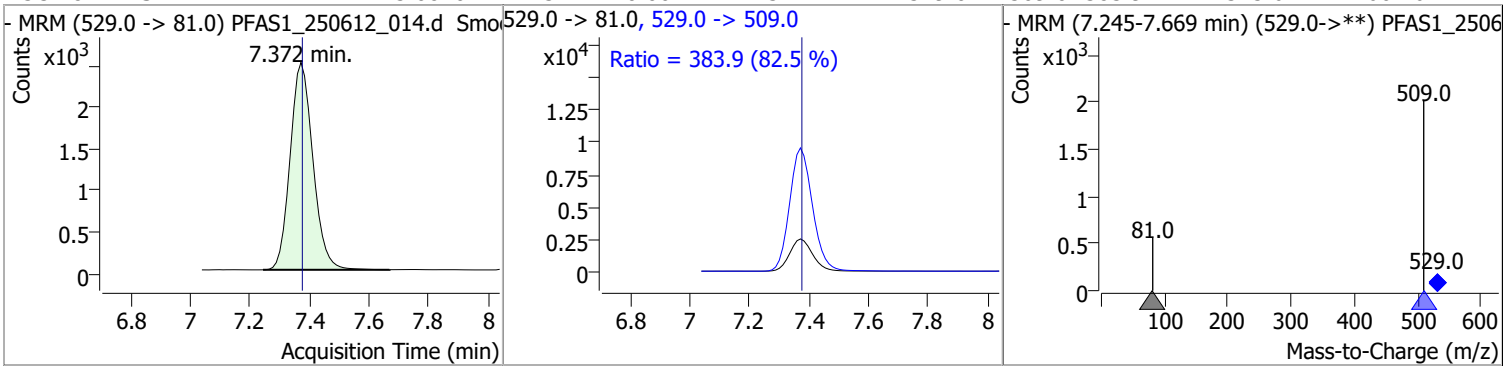
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.9746	7.14	0.00	91749	463.0 -> 219.0	13.7	11.2	20.9



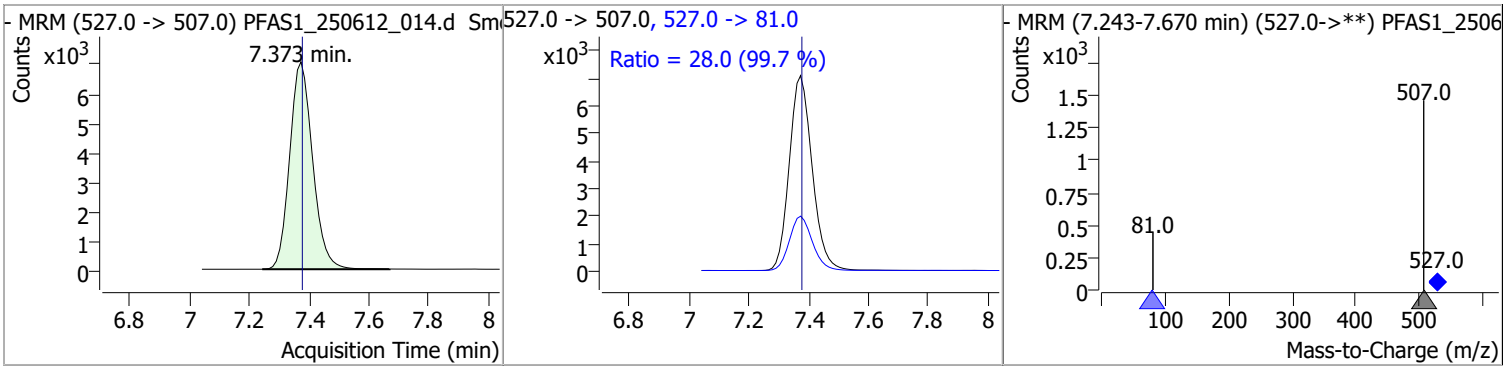
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.9362	7.30	0.00	9930	448.9 -> 99.0	50.5	36.5	67.7



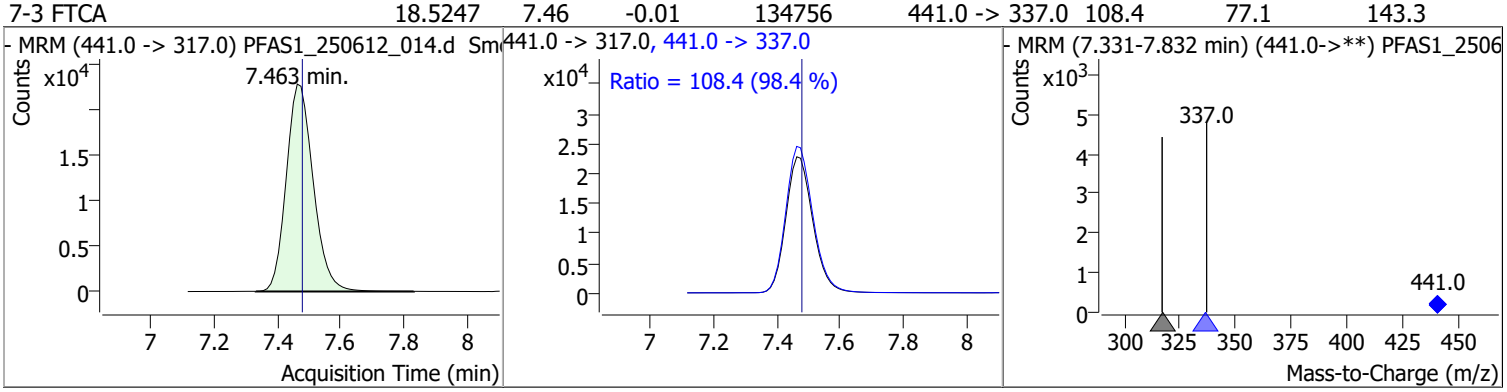
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.0840	7.37	0.00	13214	529.0 -> 509.0	383.9	325.6	604.6



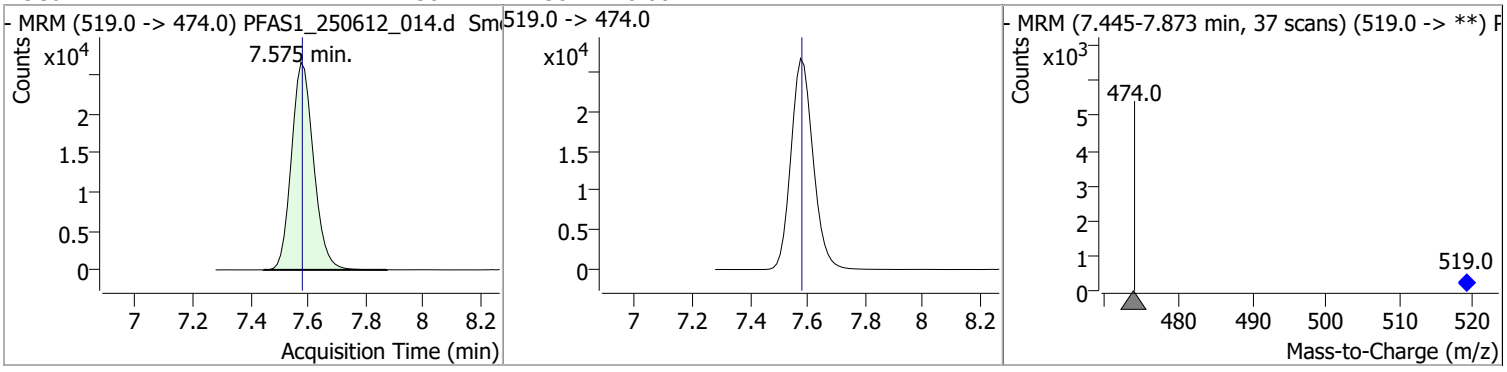
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	4.0166	7.37	0.00	37580	527.0 -> 81.0	28.0	19.7	36.6



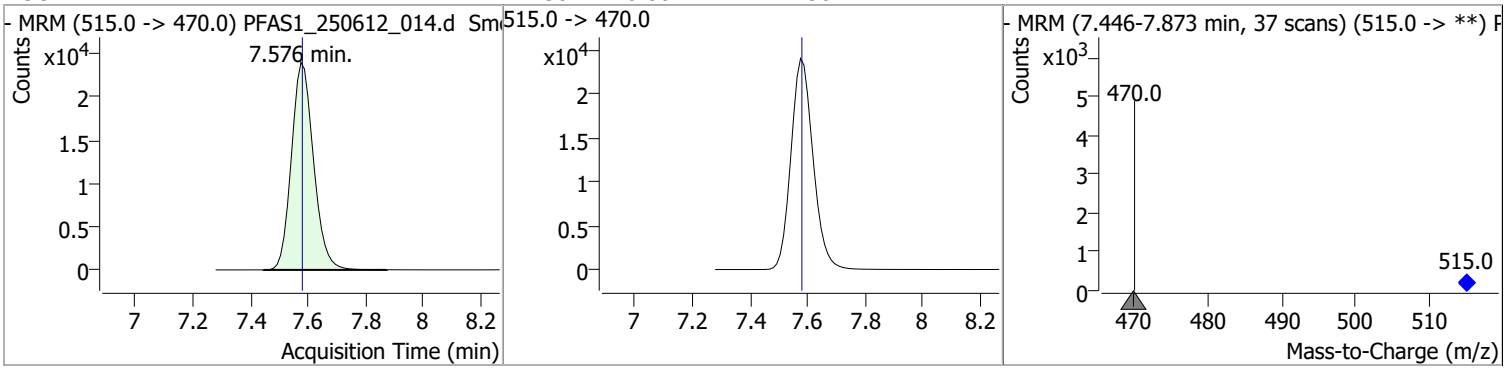
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	18.5247	7.46	-0.01	134756	441.0 -> 337.0	108.4	77.1	143.3



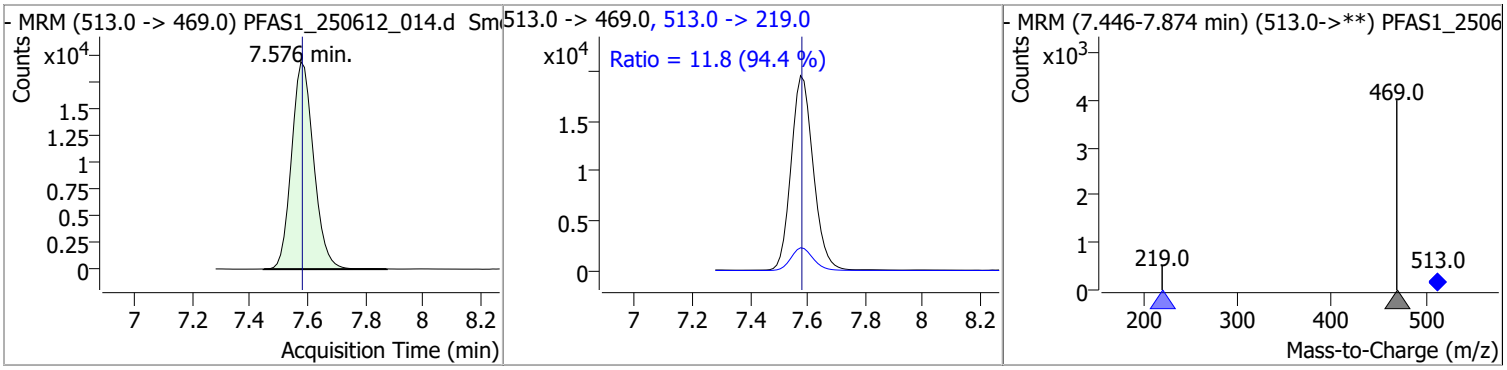
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.3071	7.58	0.00	141777				



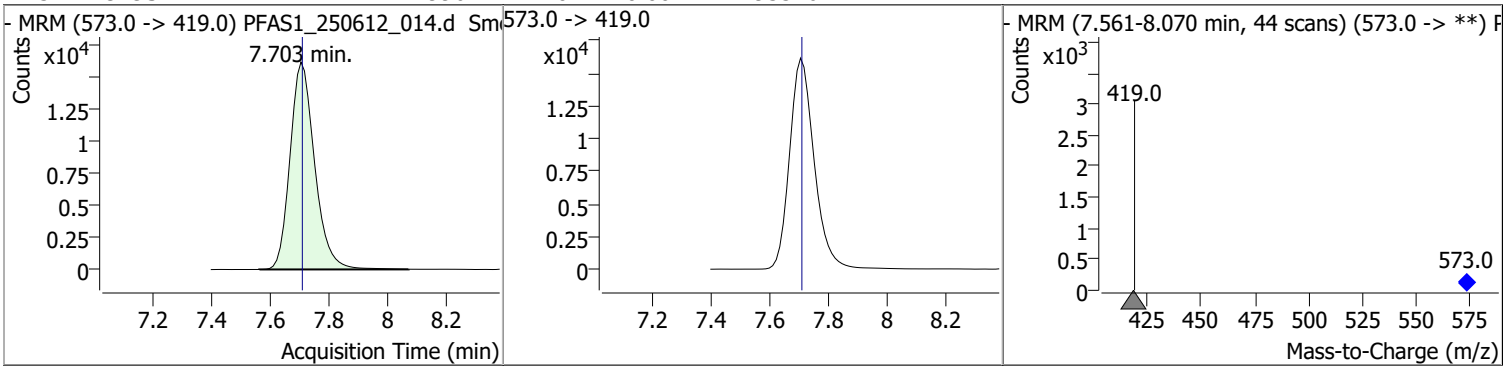
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	127730				



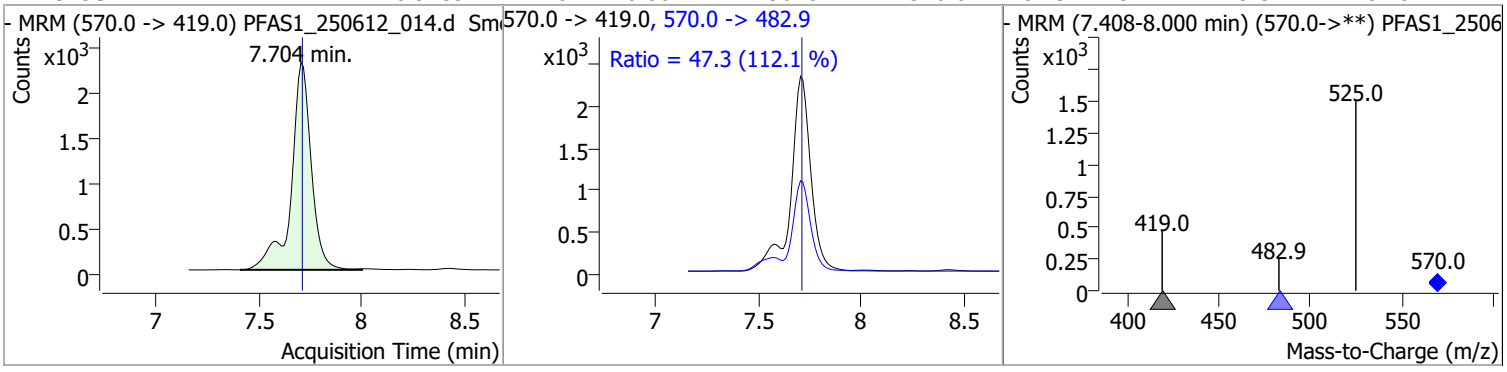
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.9686	7.58	0.00	103454	513.0 -> 219.0	11.8	8.7	16.2



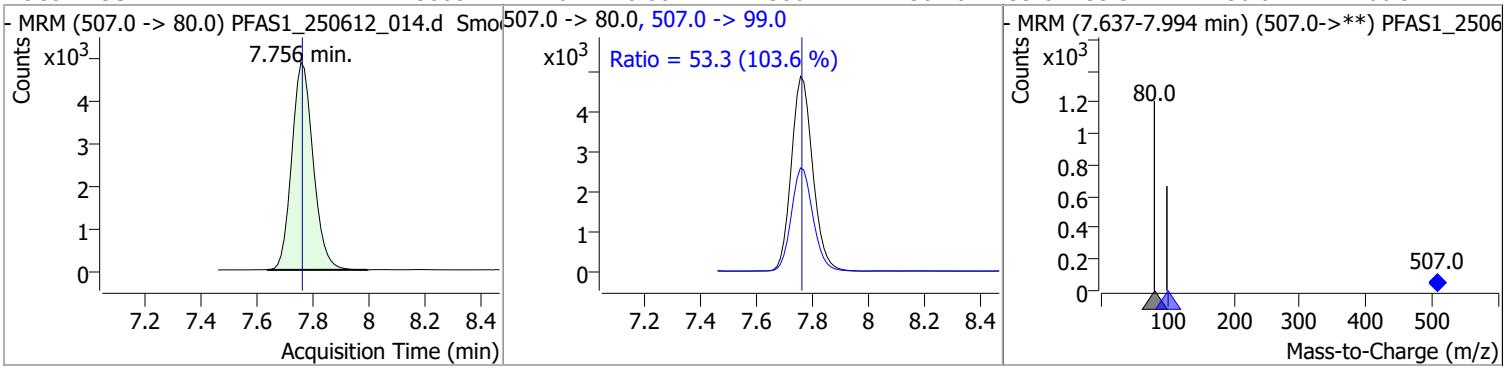
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.7996	7.70	0.00	93516				



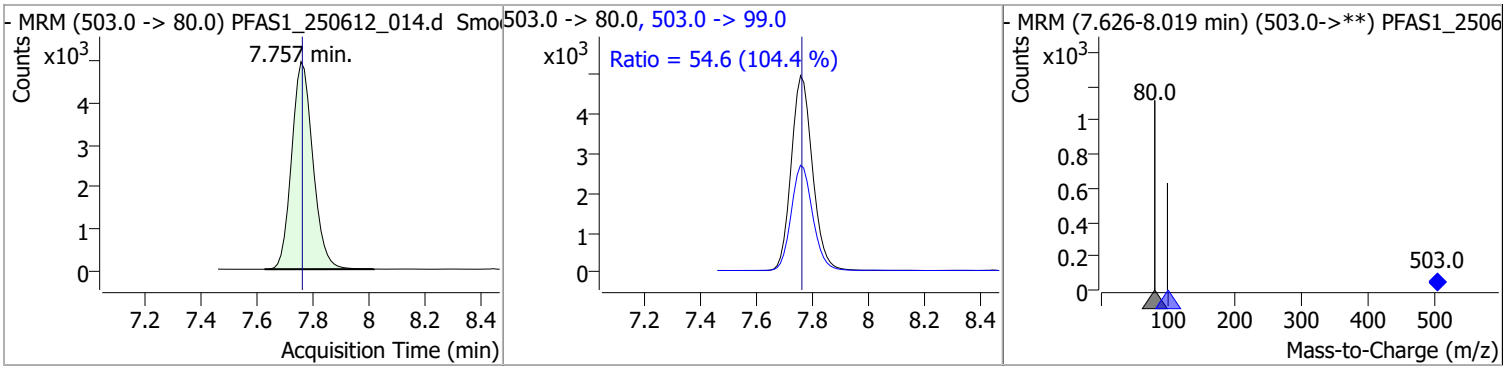
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.9459	7.70	0.00	15618	570.0 -> 482.9	47.3	29.5	54.9



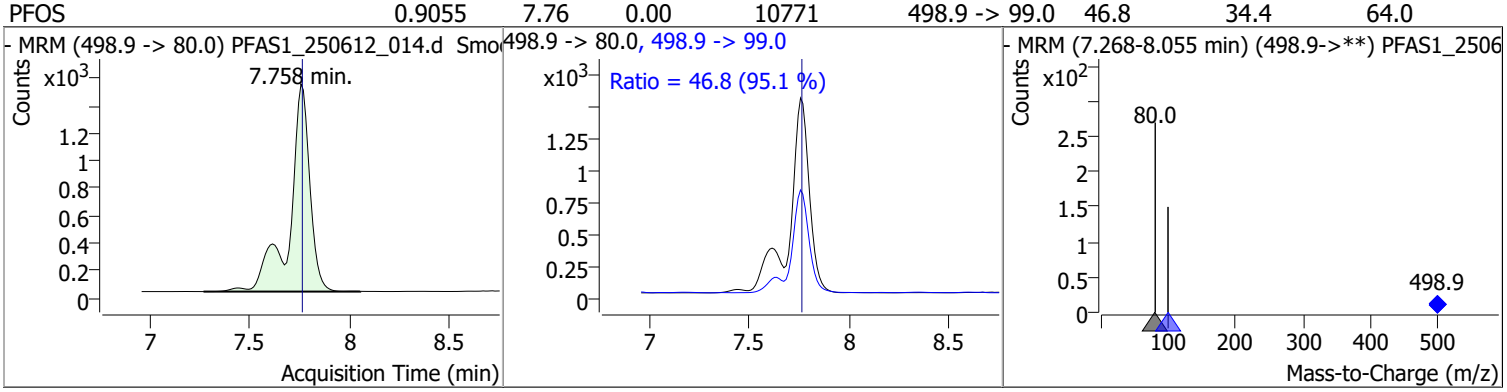
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5008	7.76	0.00	25861	507.0 -> 99.0	53.3	36.0	66.9



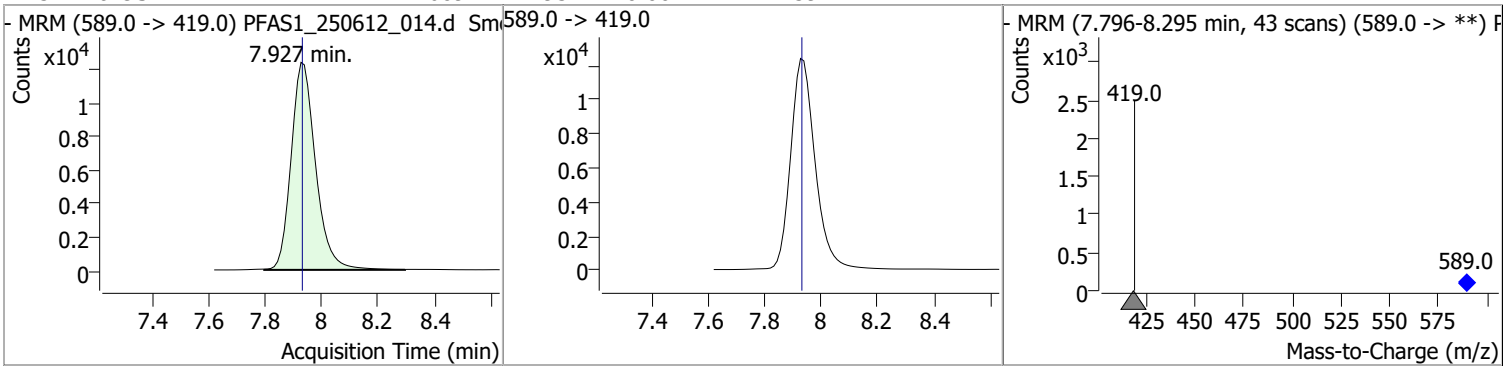
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26095	503.0 -> 99.0	54.6	36.6	67.9



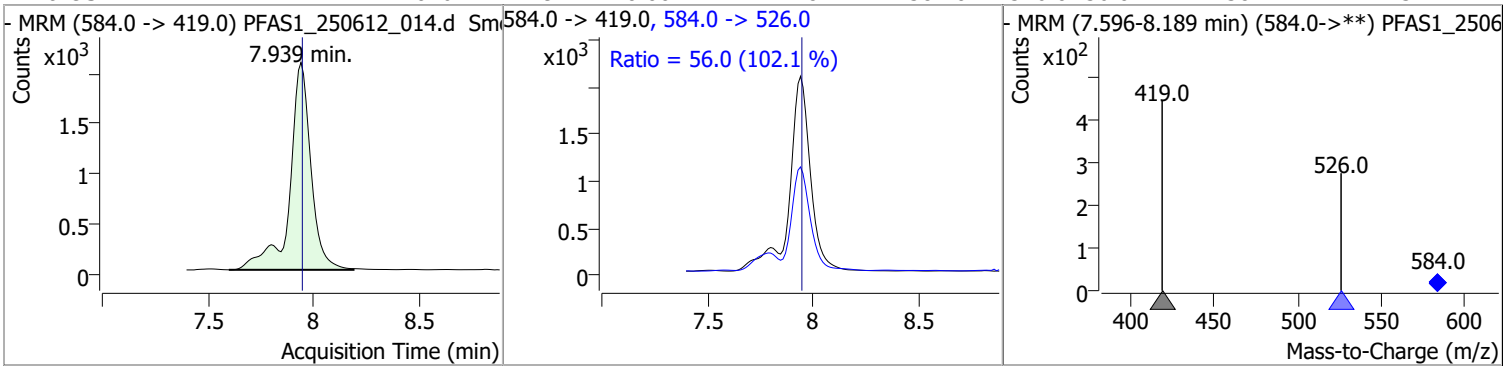
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.9055	7.76	0.00	10771	498.9 -> 99.0	46.8	34.4	64.0



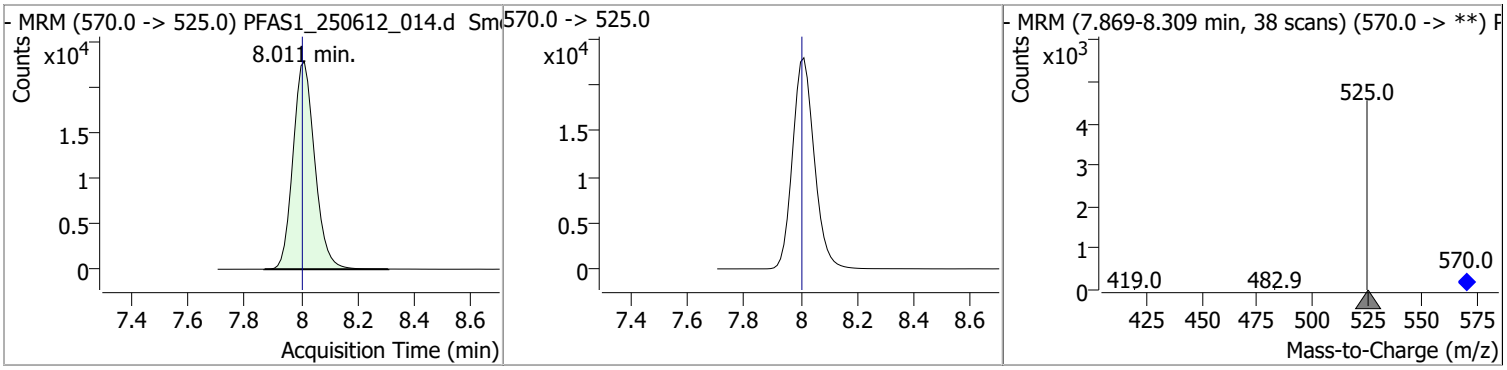
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7689	7.93	0.00	74459				



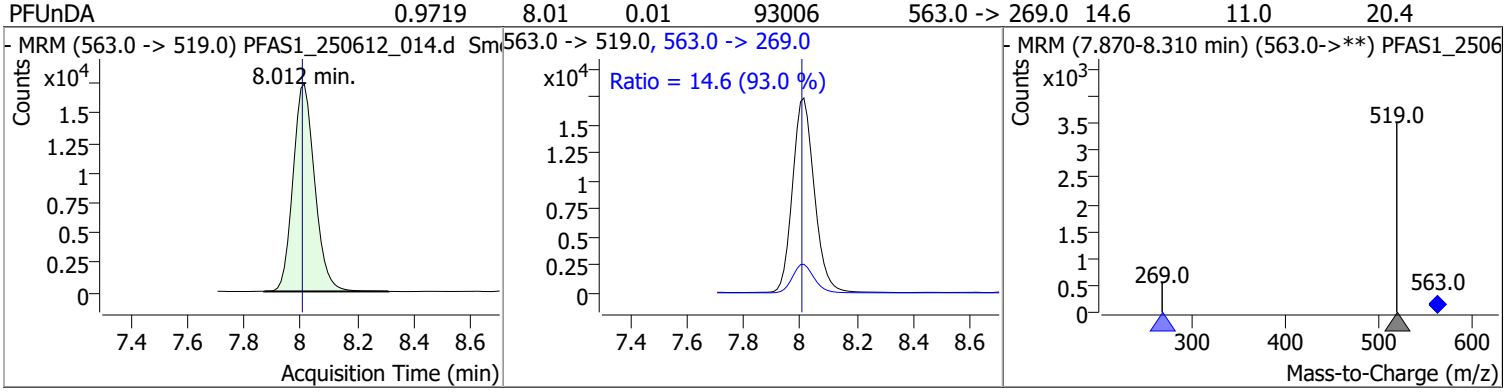
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	1.0162	7.94	0.00	14478	584.0 -> 526.0	56.0	38.4	71.3



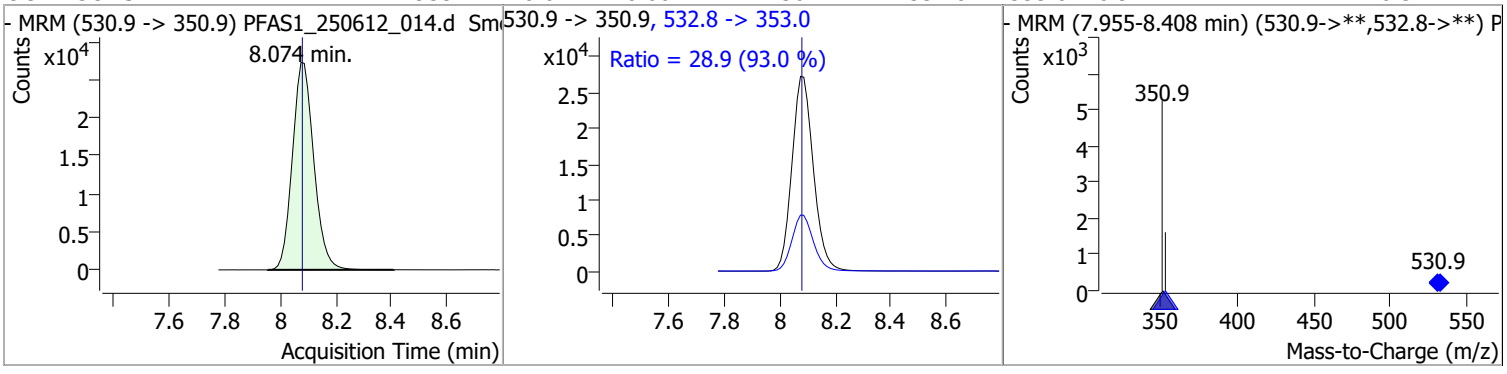
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2967	8.01	0.01	122118				



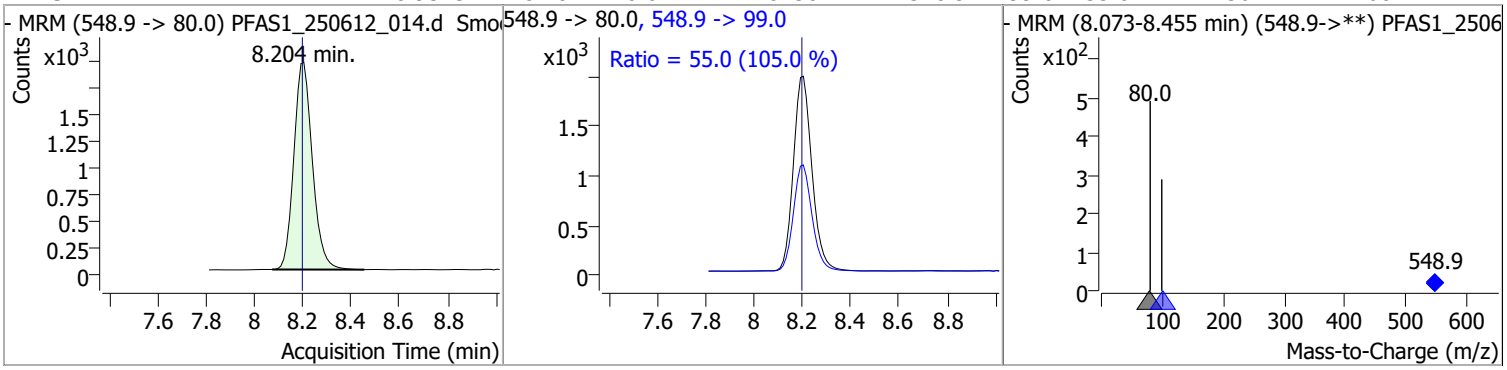
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.9719	8.01	0.01	93006	563.0 -> 269.0	14.6	11.0	20.4



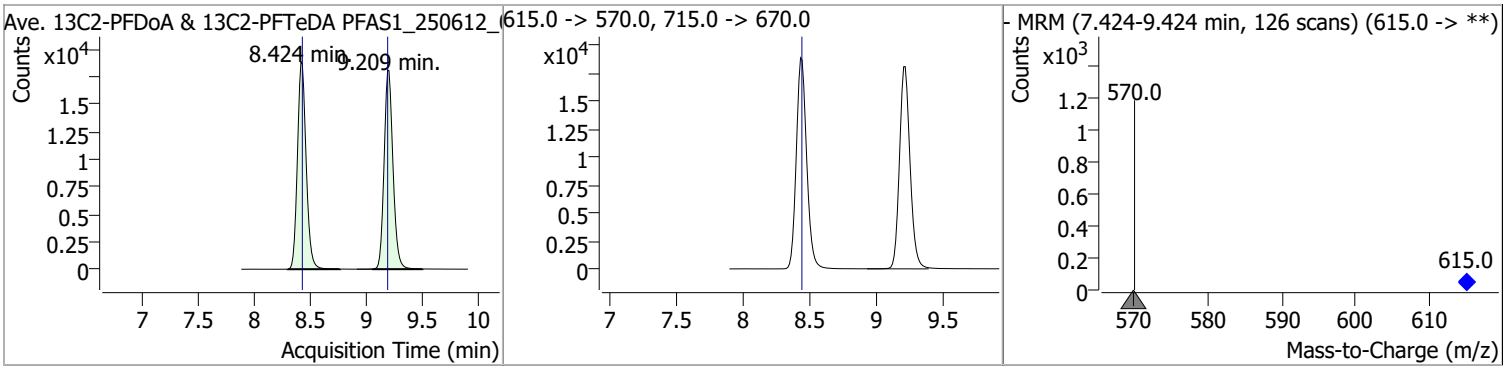
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	1.9354	8.07	0.00	145671	532.8 -> 353.0	28.9	21.7	40.3



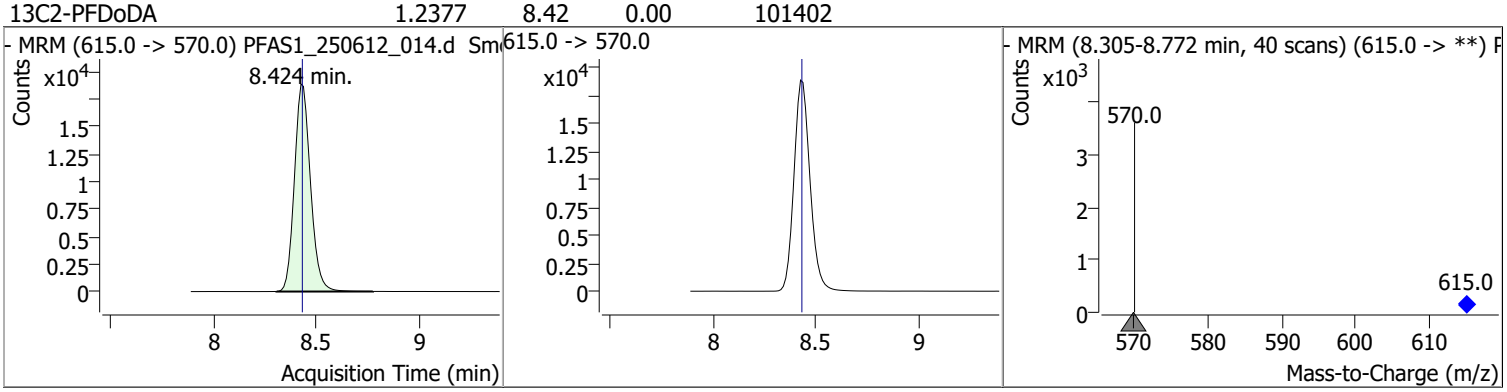
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.9543	8.20	0.01	10438	548.9 -> 99.0	55.0	36.7	68.1



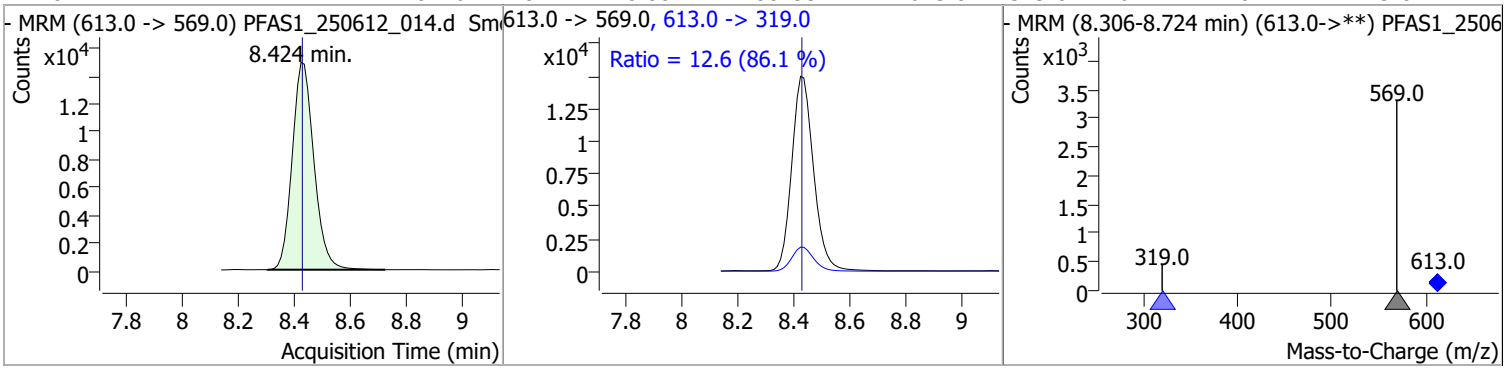
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2408	8.82	0.39	100400				



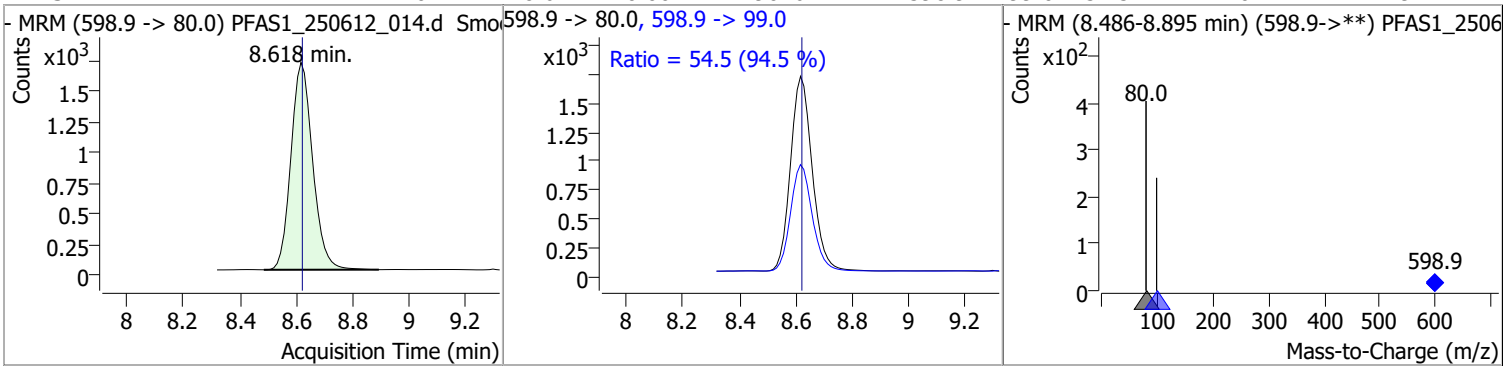
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2377	8.42	0.00	101402				



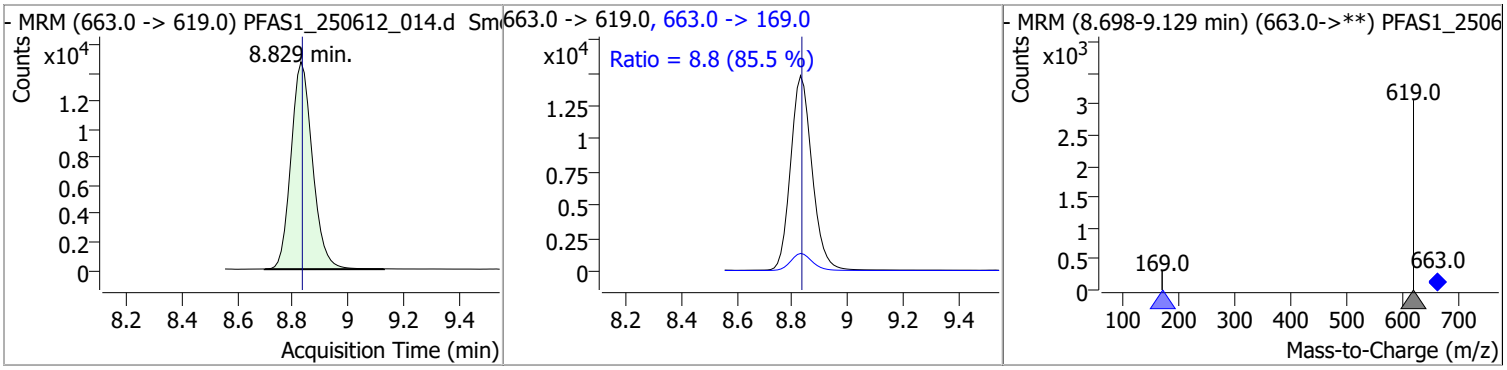
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	1.0116	8.42	0.00	80299	613.0 -> 319.0	12.6	10.2	19.0



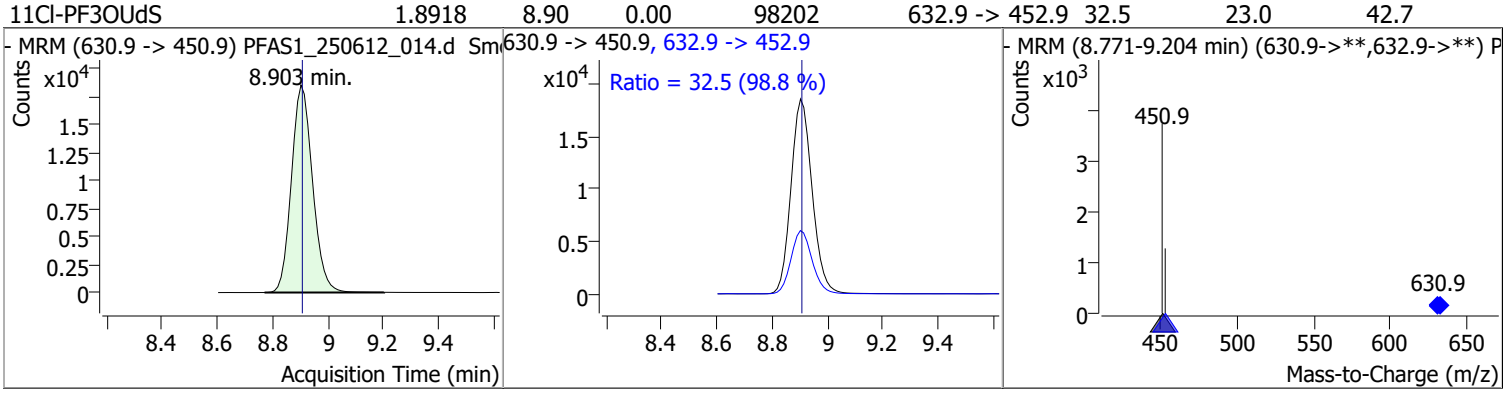
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.0227	8.62	0.00	9046	598.9 -> 99.0	54.5	40.4	74.9



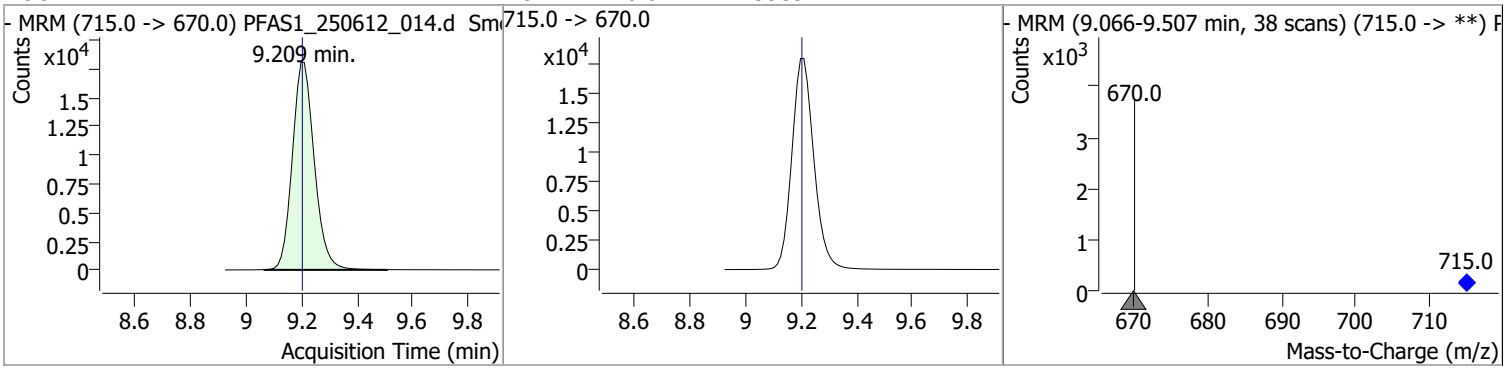
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	1.0096	8.83	0.00	79356	663.0 -> 169.0	8.8	7.2	13.4



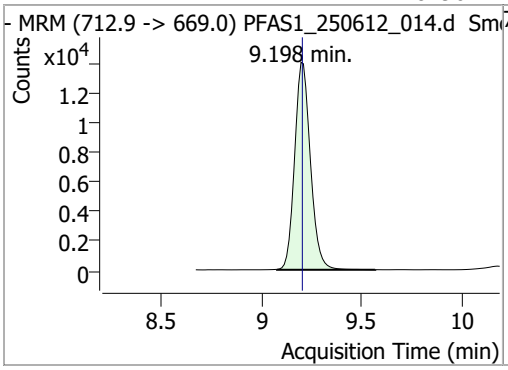
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	1.8918	8.90	0.00	98202	632.9 -> 452.9	32.5	23.0	42.7

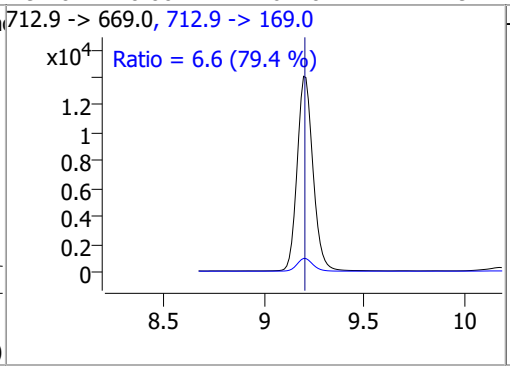


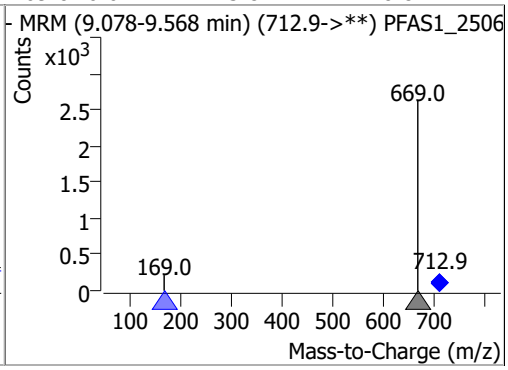
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2441	9.21	0.01	99397				



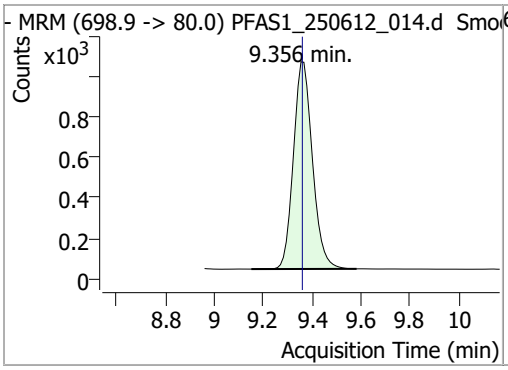
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	1.0196	9.20	0.00	76770	712.9 -> 169.0	6.6	5.8	10.8

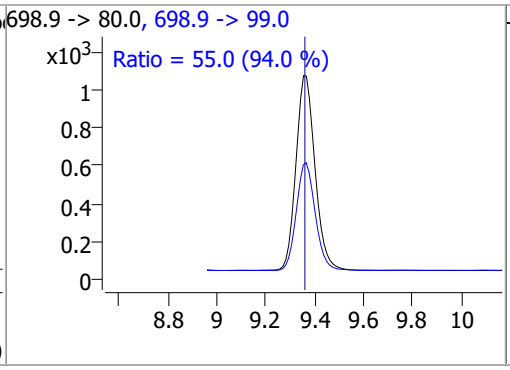


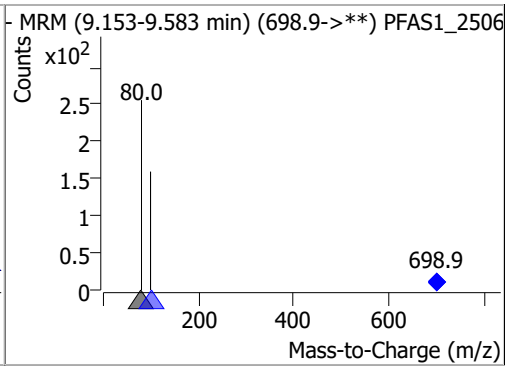




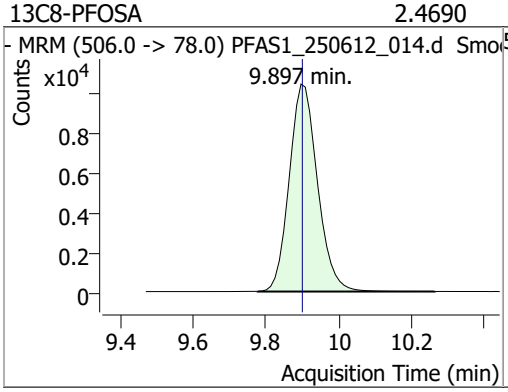
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.9583	9.36	0.00	5552	698.9 -> 99.0	55.0	41.0	76.1

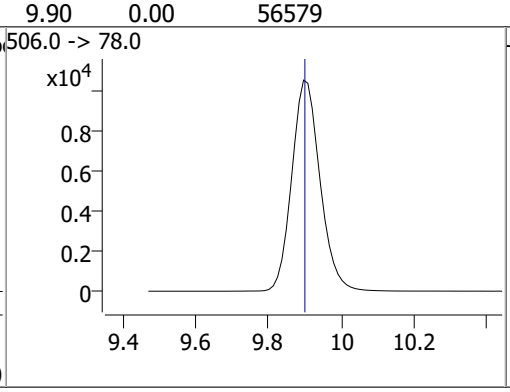


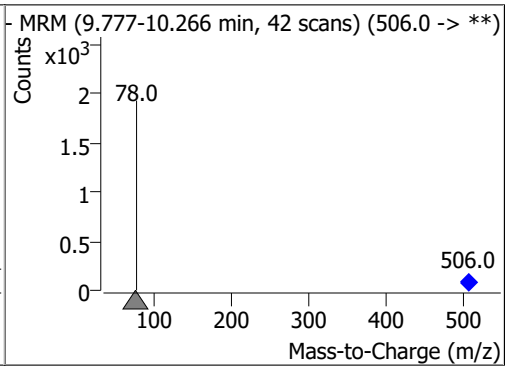




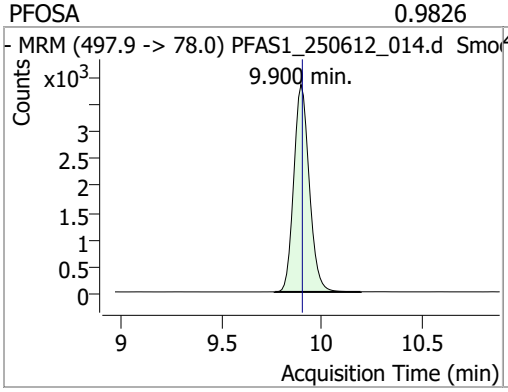
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4690	9.90	0.00	56579				

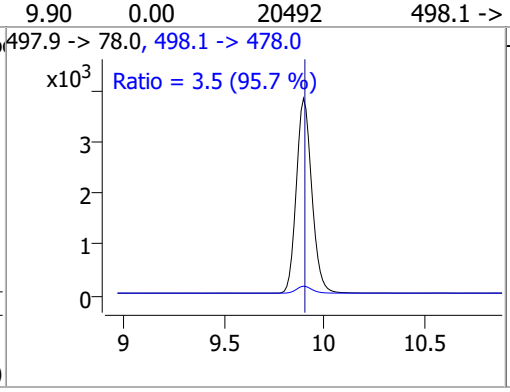


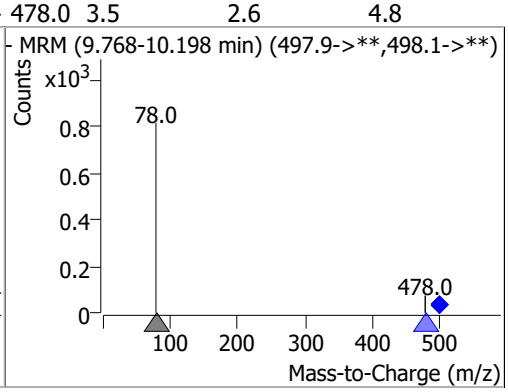




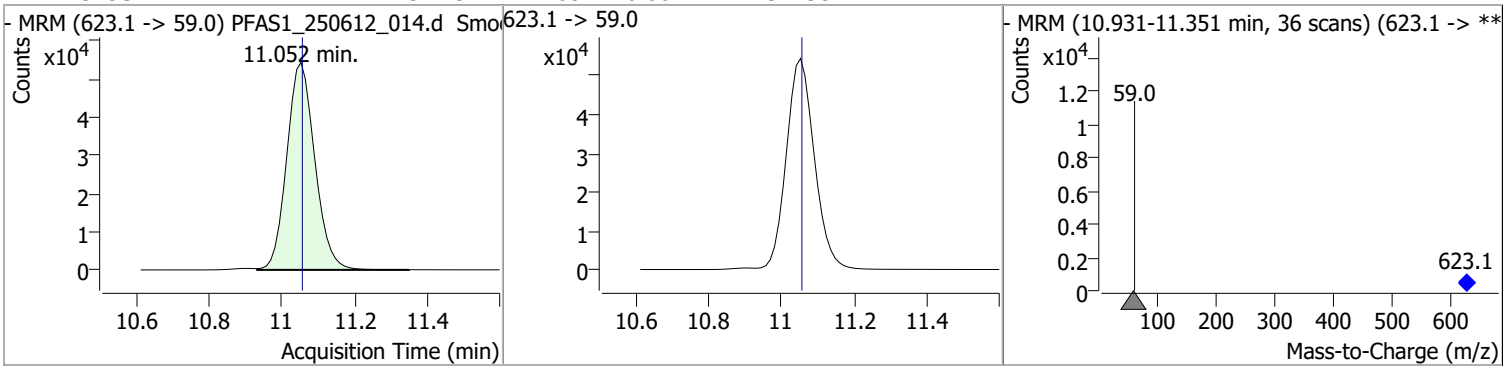
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.9826	9.90	0.00	20492	498.1 -> 478.0	3.5	2.6	4.8



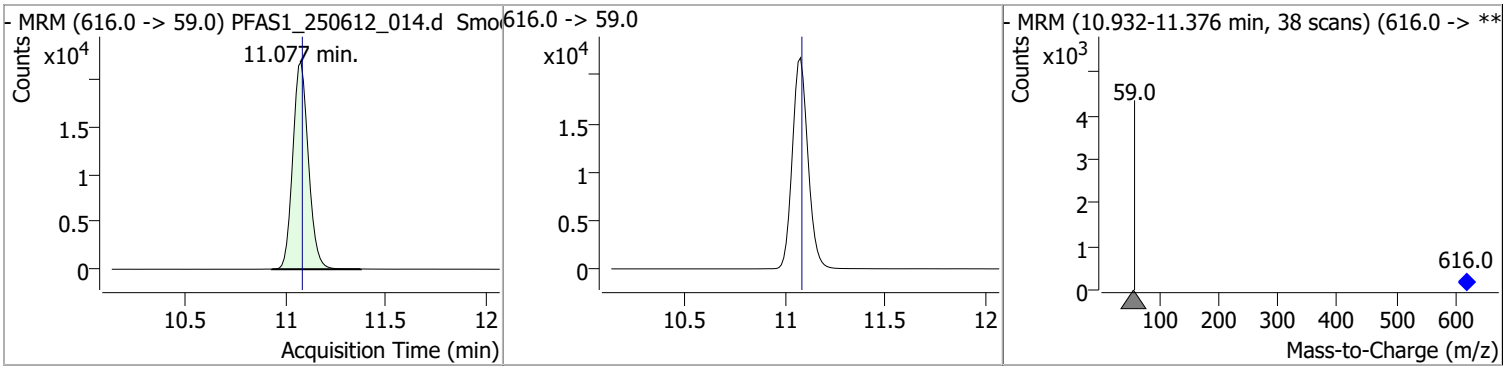




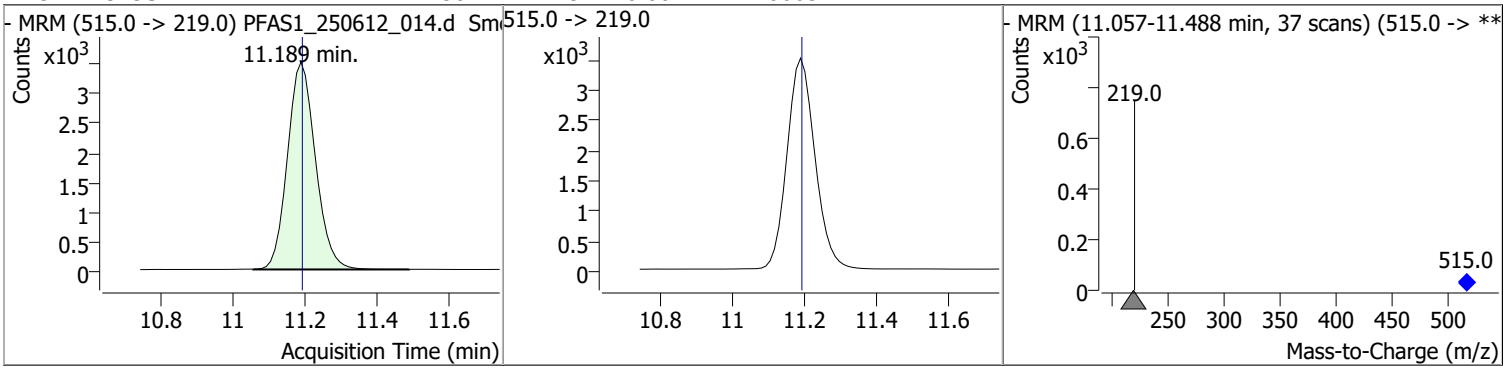
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.4752	11.05	0.00	292495				



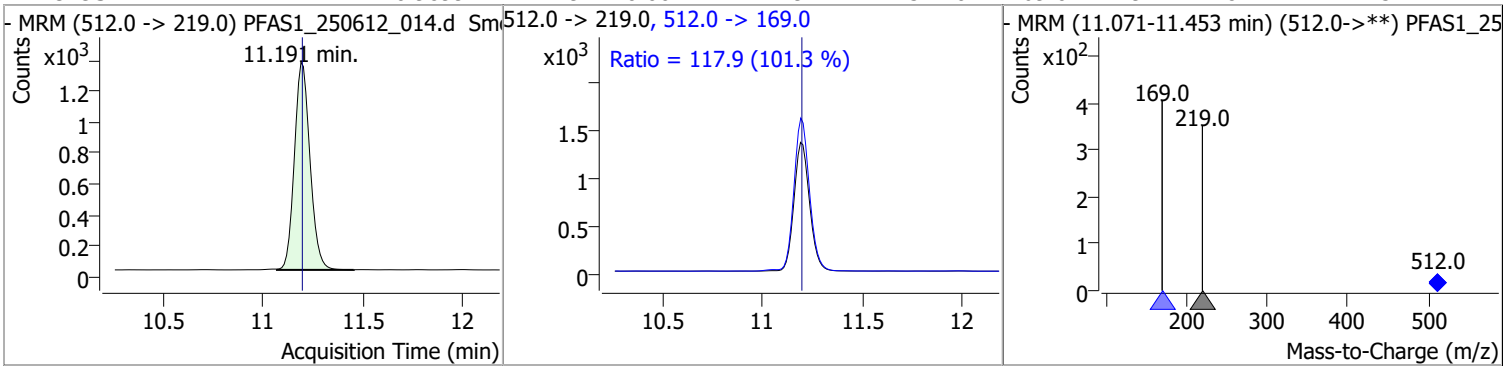
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	10.4085	11.08	0.00	117331				



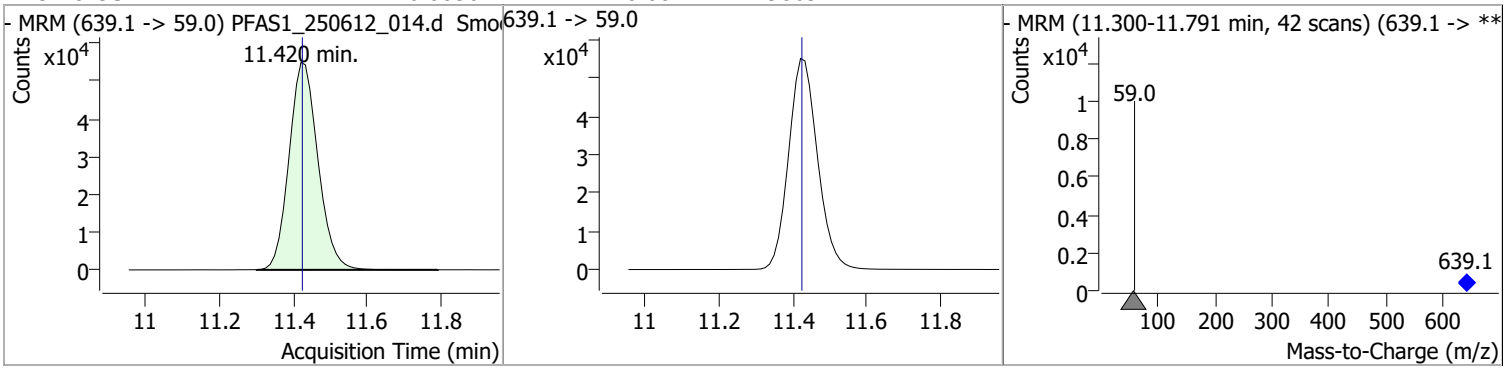
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4250	11.19	0.00	18663				



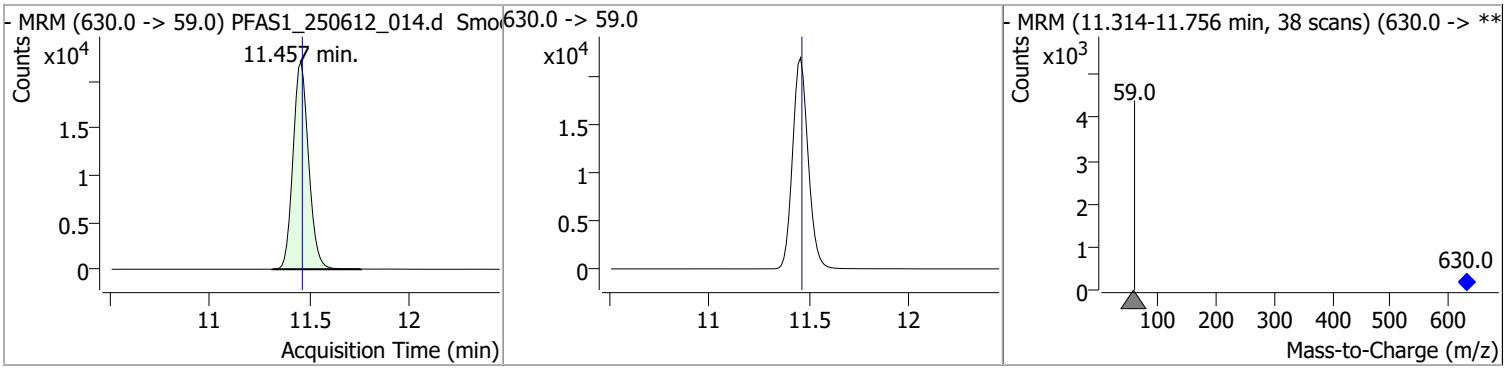
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.9899	11.19	0.00	7249	512.0 -> 169.0	117.9	81.4	151.2



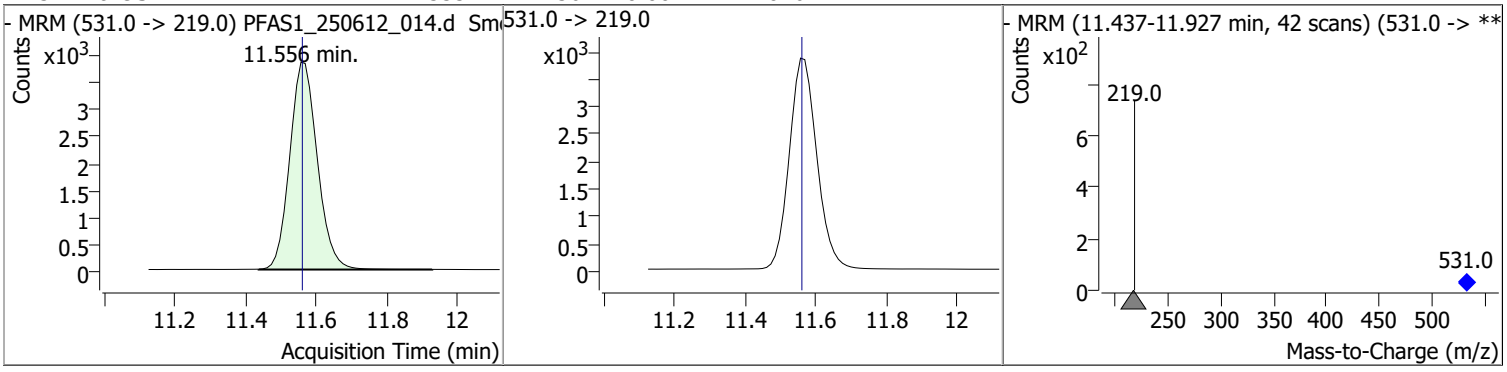
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	26.0056	11.42	0.00	298691				



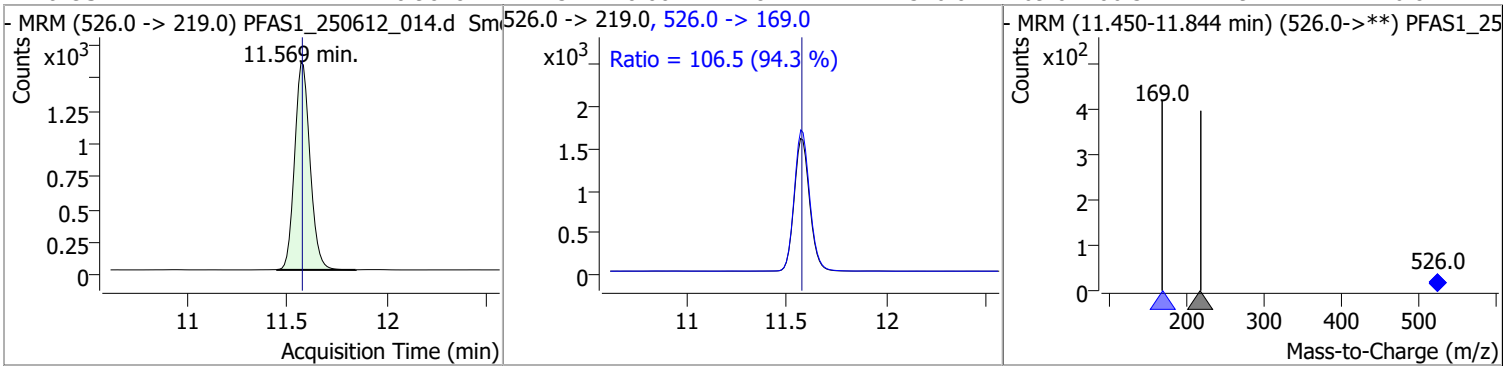
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	10.5194	11.46	0.00	118913				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4555	11.56	0.00	20764				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.9818	11.57	0.00	8477	526.0 -> 169.0	106.5	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_015.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 4:20:38 PM
Sample Name	SEQ-CAL4	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

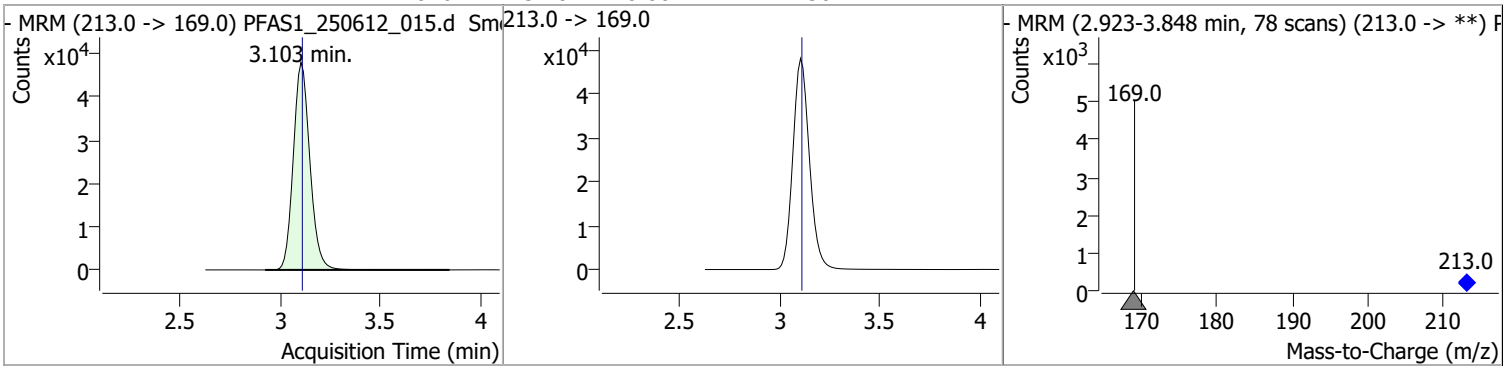
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	170960	5.0000	µg/L	8.081
13C2-PFHxA	5.479	315.0 -> 270.0	188423	2.5000	µg/L	5.455
18O2-PFHxS	6.808	403.0 -> 84.0	24164	2.5000	µg/L	2.824
13C4-PFOA	6.663	417.0 -> 172.0	21584	2.5000	µg/L	6.878
13C5-PFNA	7.137	468.0 -> 423.0	124160	1.2500	µg/L	3.745
13C2-PFDA	7.576	515.0 -> 470.0	130713	1.2500	µg/L	4.460
13C4-PFOS	7.757	503.0 -> 80.0	26436	2.5000	µg/L	5.890
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	392572	10.0000	µg/L	7.556
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.46%		
13C4-PFBA	3.107	217.0 -> 172.0	392572	10.0000	µg/L	7.556
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.46%		
13C5-PFPeA	4.594	268.0 -> 223.0	283426	5.0000	µg/L	5.064
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.66%		
13C5-PFPeA	4.594	268.0 -> 223.0	283426	5.0000	µg/L	5.064
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.66%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	17936	5.0000	µg/L	11.299
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.81%		
13C5-PFHxA	5.478	318.0 -> 273.0	191422	2.5000	µg/L	4.034
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.64%		
13C5-PFHxA	5.478	318.0 -> 273.0	191422	2.5000	µg/L	4.034
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.64%		
13C3-PFBS	5.494	302.0 -> 80.0	45745	2.5000	µg/L	7.315
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.58%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	226173	10.0000	µg/L	1.939
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.63%		
13C4-PFHpA	6.142	367.0 -> 322.0	222818	2.5000	µg/L	4.512
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.06%		
13C3-PFHxS	6.809	402.0 -> 80.0	27514	2.5000	µg/L	1.975
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12359	5.0000	µg/L	9.593
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.99%		
13C8-PFOA	6.662	421.0 -> 376.0	234892	2.5000	µg/L	3.983
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.21%		
13C3-PFHxS	6.809	402.0 -> 80.0	27514	2.5000	µg/L	1.975
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.22%		
13C9-PFNA	7.137	472.0 -> 427.0	128018	1.2500	µg/L	4.333
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.59%		
13C8-PFOS	7.756	507.0 -> 80.0	26455	2.5000	µg/L	6.916
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.01%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13721	5.0000	µg/L	11.479
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 108.49%		
13C6-PFDA	7.575	519.0 -> 474.0	139140	1.2500	µg/L	4.693
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.28%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	95566	5.0000	µg/L	2.825

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.83%		
13C8-PFOS	7.756	507.0 -> 80.0	26455	2.5000	µg/L	6.916
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.01%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	77904	5.0000	µg/L	4.512
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.50%		
13C7-PFUnDA	7.999	570.0 -> 525.0	118508	1.2500	µg/L	2.726
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.37%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	100782	1.2500	µg/L	1.796
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.37%		
13C2-PFDoDA	8.424	615.0 -> 570.0	102244	1.2500	µg/L	1.989
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.56%		
13C2-PFTDA	9.197	715.0 -> 670.0	99320	1.2500	µg/L	1.599
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.18%		
13C8-PFOSA	9.897	506.0 -> 78.0	55720	2.5000	µg/L	1.876
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.00%		
2H7-MeFOSE	11.052	623.1 -> 59.0	294232	25.0000	µg/L	7.107
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.18%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18505	2.5000	µg/L	0.824
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.94%		
2H9-EtFOSE	11.420	639.1 -> 59.0	288708	25.0000	µg/L	5.071
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.25%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	20587	2.5000	µg/L	1.929
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.12%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	277750	7.8261	µg/L	100
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 97.83%		
PFMPA	3.794	229.0 -> 85.0	101994	3.8798	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 97.00%		
3-3 FTCA	4.030	241.0 -> 177.0	10149	7.3383	µg/L	98
Spiked Amount: 8.000	Range: 70 - 130%			Recovery = 91.73%		
PFPeA	4.596	263.0 -> 219.0	216864	3.9052	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 97.63%		
PFMBA	4.910	279.0 -> 85.0	137070	3.8629	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 96.57%		
4-2 FTSA	5.239	327.0 -> 307.0	93531	7.6596	µg/L	95
Spiked Amount: 7.500	Range: 70 - 130%			Recovery = 102.13%		
NFDHA	5.390	295.0 -> 201.0	12416	4.2119	µg/L	94
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 105.30%		
PFHxA	5.480	313.0 -> 269.0	153888	1.9964	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.82%		
PFBS	5.495	298.9 -> 80.0	34845	1.7230	µg/L	98
Spiked Amount: 1.774	Range: 70 - 130%			Recovery = 97.12%		
HFPO-DA	5.736	285.0 -> 169.0	92010	4.0451	µg/L	100
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 101.13%		
PFEESA	5.860	314.9 -> 135.0	203948	3.5915	µg/L	98
Spiked Amount: 3.560	Range: 70 - 130%			Recovery = 100.89%		
5-3 FTCA	6.132	341.0 -> 237.0	248904	37.5573	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 93.89%		
PFHpA	6.142	363.0 -> 319.0	168613	1.9282	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.41%		
PFPeS	6.240	348.9 -> 80.0	26007	1.9254	µg/L	99
Spiked Amount: 1.882	Range: 70 - 130%			Recovery = 102.30%		
DONA	6.333	377.0 -> 251.0	387752	3.7211	µg/L	97
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 98.44%		

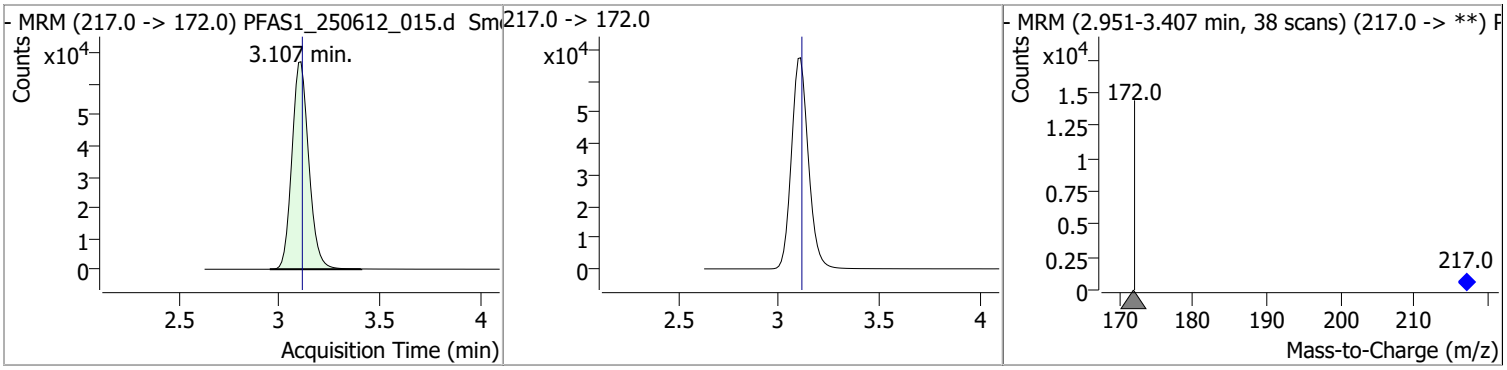
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	83573	7.9832	µg/L	96
Spiked Amount: 7.600	Range: 70 - 130%			Recovery = 105.04%		
PFOA	6.663	413.0 -> 369.0	176896	1.9246	µg/L	97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.23%		
PFHxS	6.810	398.9 -> 80.0	19957	1.7638	µg/L	100
Spiked Amount: 1.828	Range: 70 - 130%			Recovery = 96.49%		
PFNA	7.138	463.0 -> 419.0	184385	1.9221	µg/L	98
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.10%		
PFHpS	7.295	448.9 -> 80.0	20194	1.8625	µg/L	95
Spiked Amount: 1.906	Range: 70 - 130%			Recovery = 97.72%		
8-2 FTSA	7.373	527.0 -> 507.0	76018	7.8105	µg/L	98
Spiked Amount: 7.680	Range: 70 - 130%			Recovery = 101.70%		
7-3 FTCA	7.463	441.0 -> 317.0	270887	37.0012	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 92.50%		
PFDA	7.576	513.0 -> 469.0	205255	1.9407	µg/L	97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.03%		
N-MeFOSAA	7.704	570.0 -> 419.0	32444	1.9257	µg/L	95
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.29%		
PFOS	7.758	498.9 -> 80.0	20782	1.7326	µg/L	95
Spiked Amount: 1.856	Range: 70 - 130%			Recovery = 93.35%		
N-EtFOSAA	7.939	584.0 -> 419.0	28189	1.8827	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 94.13%		
PFUnDA	8.000	563.0 -> 519.0	181385	1.9422	µg/L	97
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.11%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	286223	3.9222	µg/L	97
Spiked Amount: 3.740	Range: 70 - 130%			Recovery = 104.87%		
PFNS	8.192	548.9 -> 80.0	21102	1.8899	µg/L	100
Spiked Amount: 1.924	Range: 70 - 130%			Recovery = 98.23%		
PFDoDA	8.424	613.0 -> 569.0	159502	1.9877	µg/L	96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.38%		
PFDS	8.618	598.9 -> 80.0	16307	1.7901	µg/L	98
Spiked Amount: 1.930	Range: 70 - 130%			Recovery = 92.75%		
PFTrDA	8.829	663.0 -> 619.0	158527	1.9940	µg/L	96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.70%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	198003	3.9241	µg/L	99
Spiked Amount: 3.780	Range: 70 - 130%			Recovery = 103.81%		
PFTDA	9.198	712.9 -> 669.0	150989	1.9929	µg/L	96
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 99.65%		
PFDoS	9.356	698.9 -> 80.0	10934	1.8269	µg/L	97
Spiked Amount: 1.940	Range: 70 - 130%			Recovery = 94.17%		
PFOSA	9.900	497.9 -> 78.0	39906	1.9383	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 96.91%		
MeFOSE	11.077	616.0 -> 59.0	232763	20.5998	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.00%		
N-MeFOSA	11.191	512.0 -> 219.0	14348	1.9744	µg/L	99
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 98.72%		
EtFOSE	11.457	630.0 -> 59.0	232069	21.4571	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 107.29%		
N-EtFOSA	11.569	526.0 -> 219.0	16882	1.9527	µg/L	98
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 97.64%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

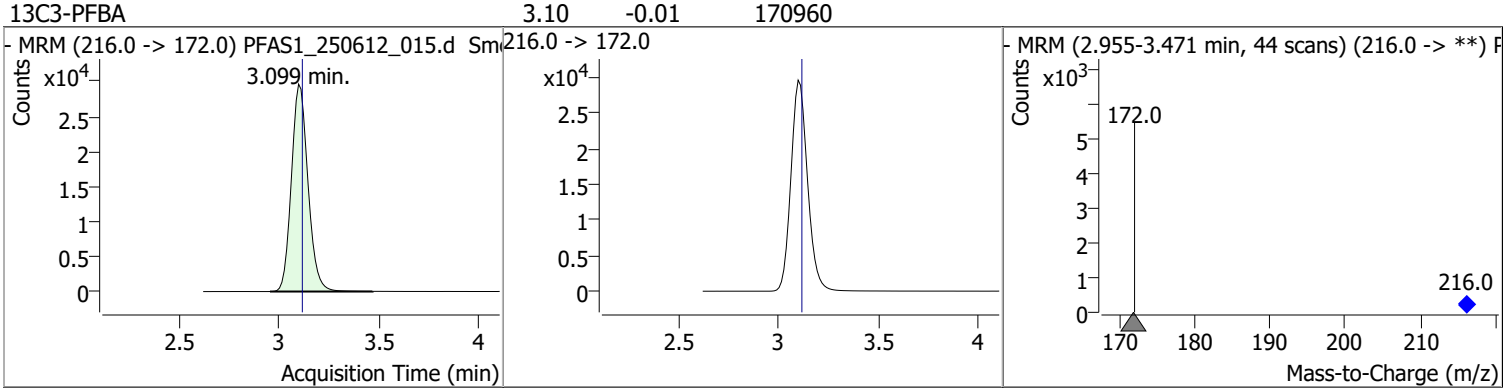
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	7.8261	3.10	0.00	277750				



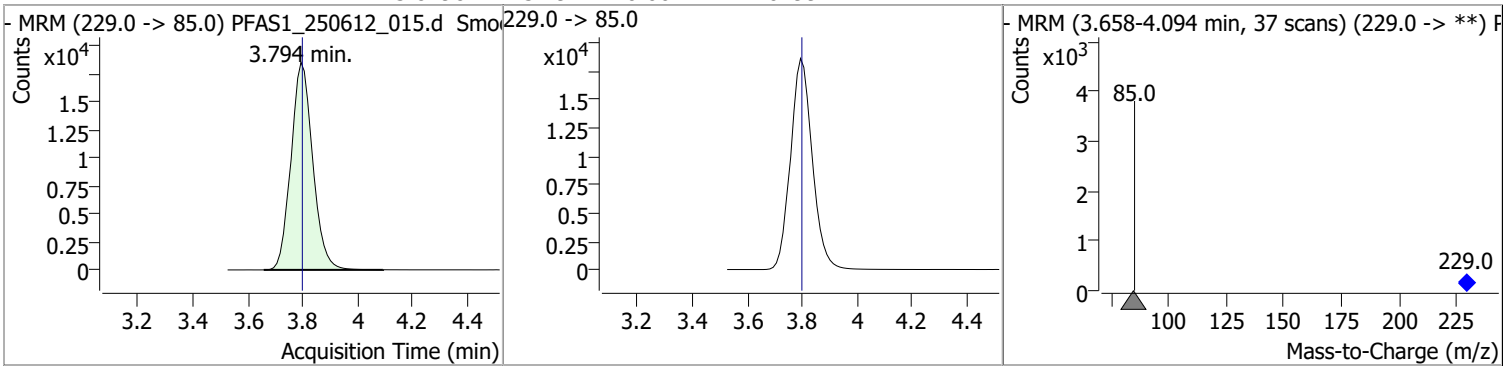
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9457	3.11	0.00	392572				



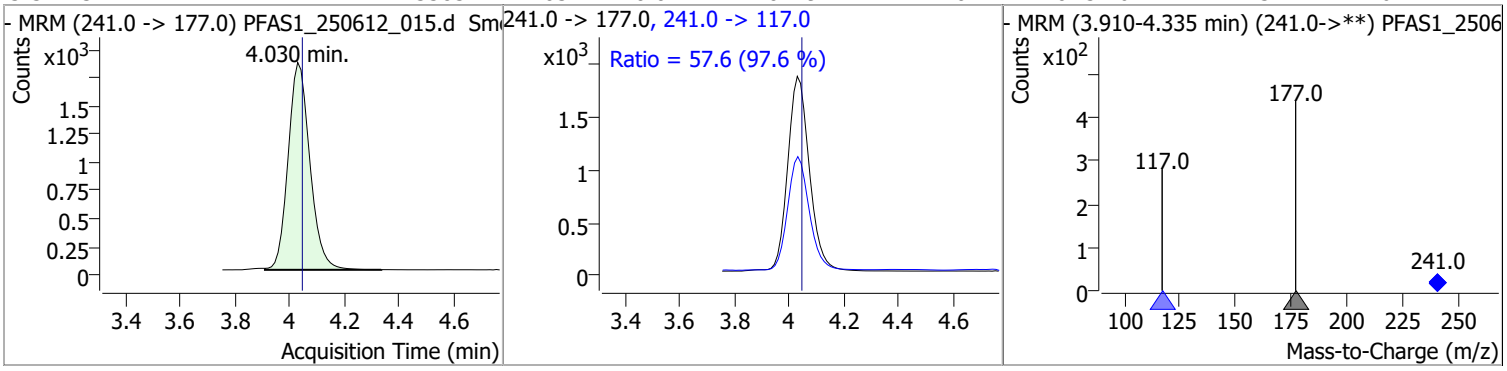
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	170960				



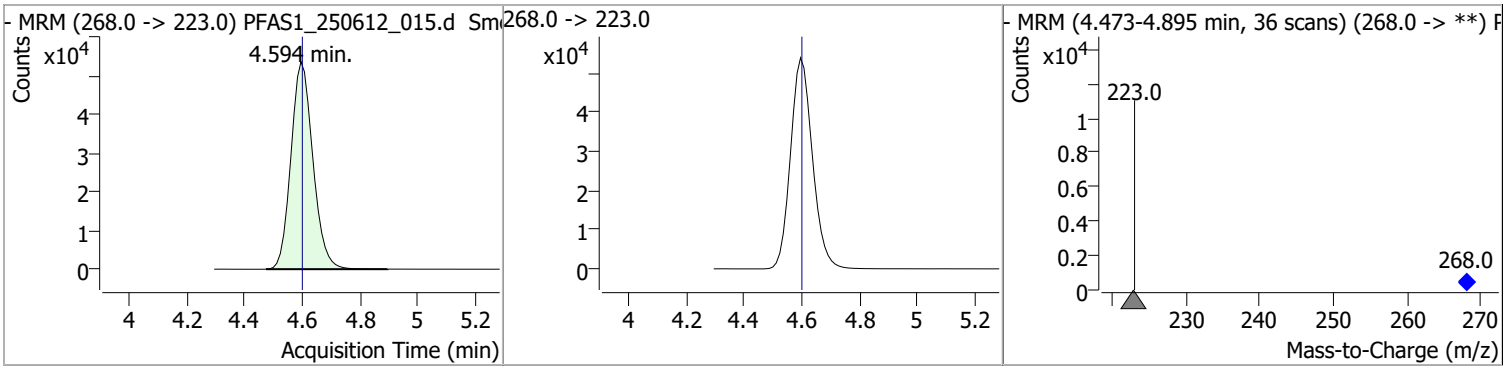
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	3.8798	3.79	0.00	101994				



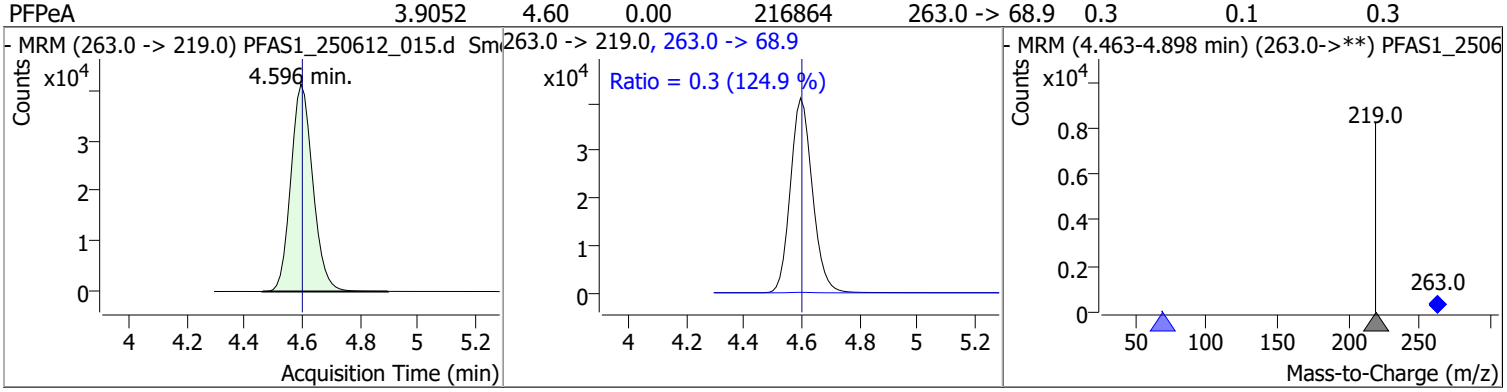
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	7.3383	4.03	-0.01	10149	241.0 -> 117.0	57.6	41.3	76.7



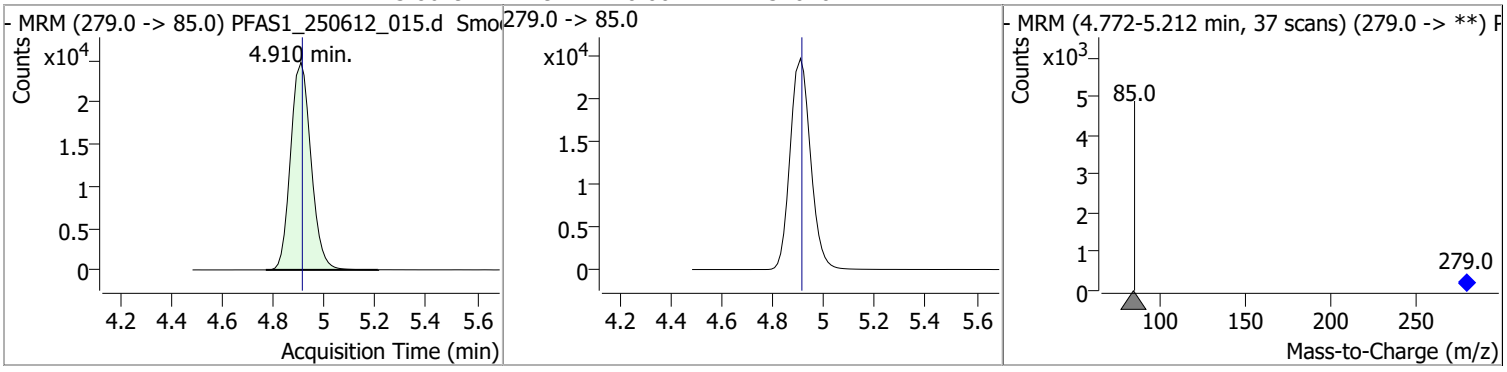
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9831	4.59	0.00	283426				



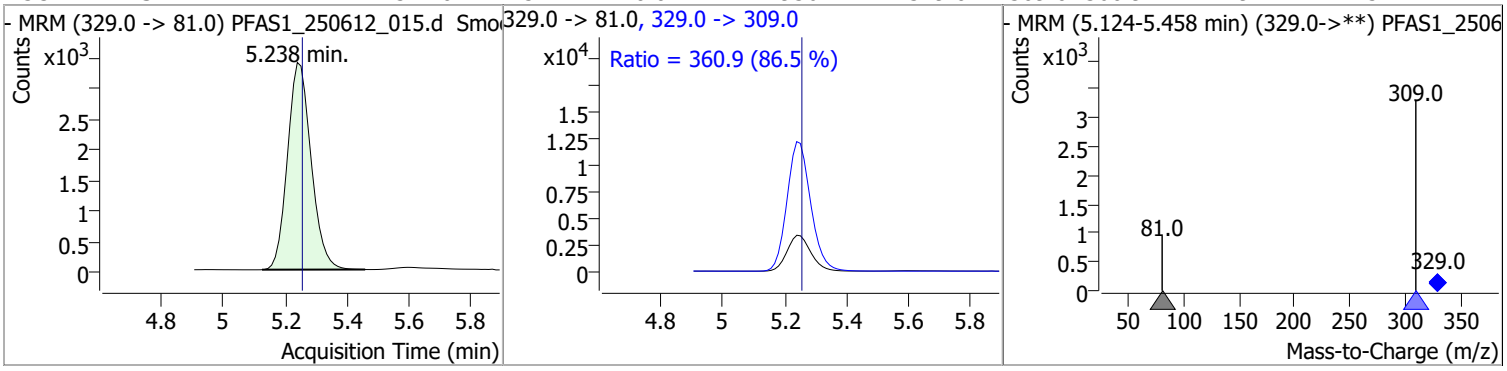
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	3.9052	4.60	0.00	216864	263.0 -> 68.9	0.3	0.1	0.3



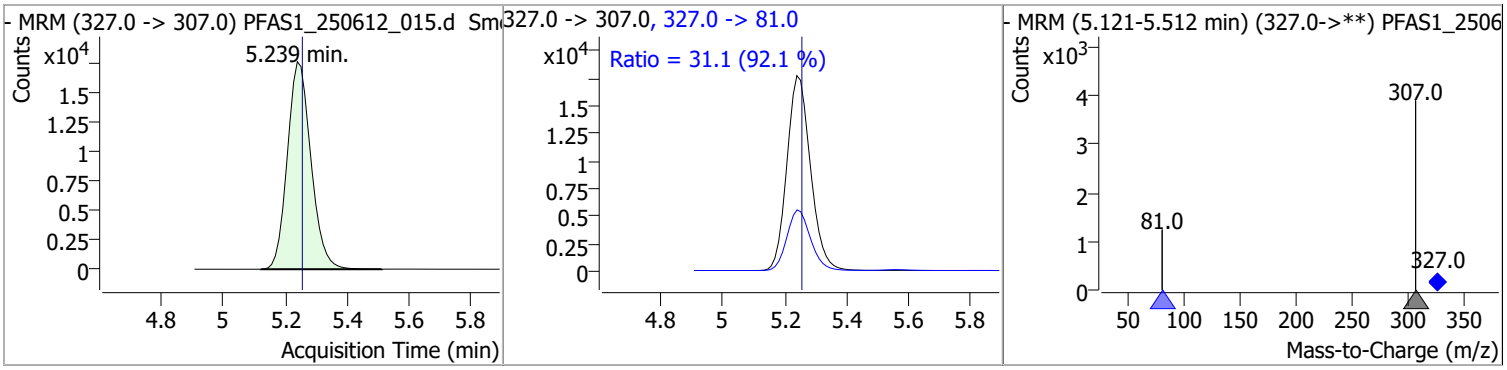
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	3.8629	4.91	0.00	137070				



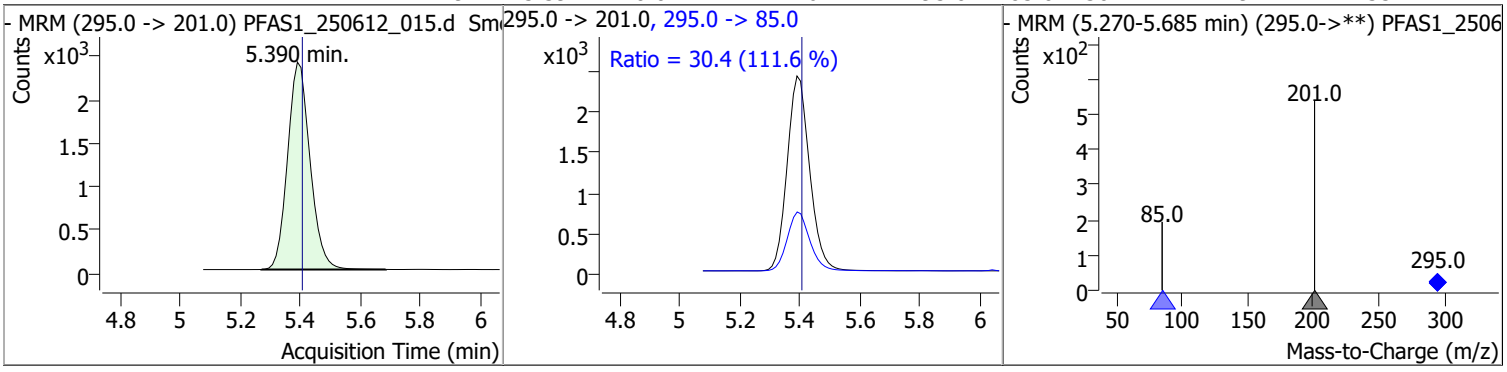
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.4404	5.24	-0.01	17936	329.0 -> 309.0	360.9	292.1	542.4



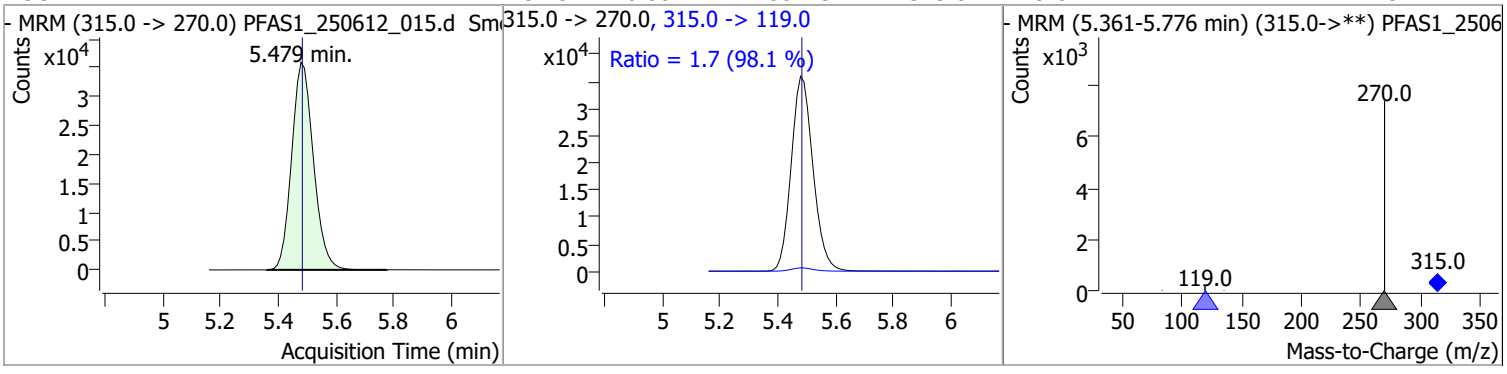
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	7.6596	5.24	-0.01	93531	327.0 -> 81.0	31.1	23.6	43.9



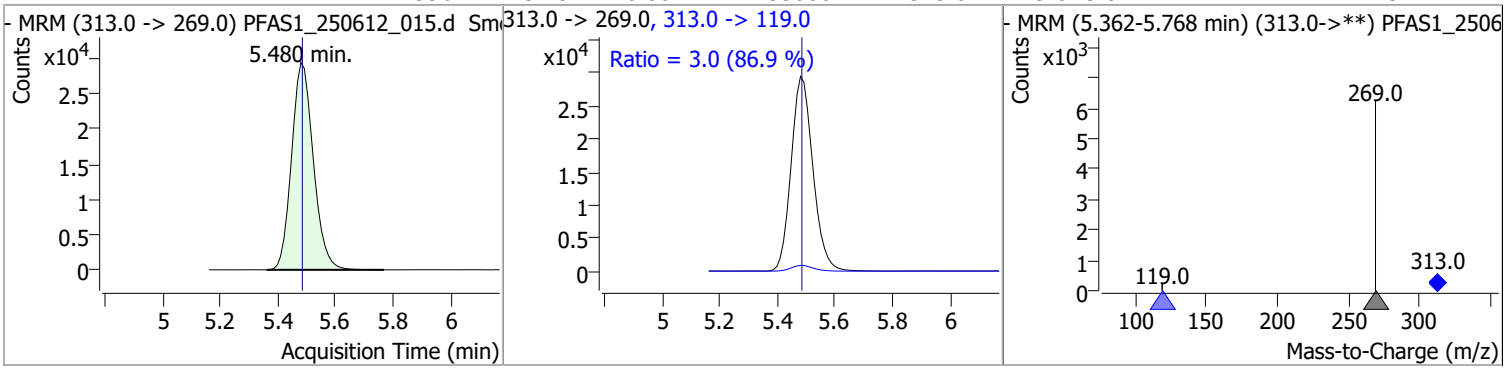
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	4.2119	5.39	-0.01	12416	295.0 -> 85.0	30.4	19.1	35.4



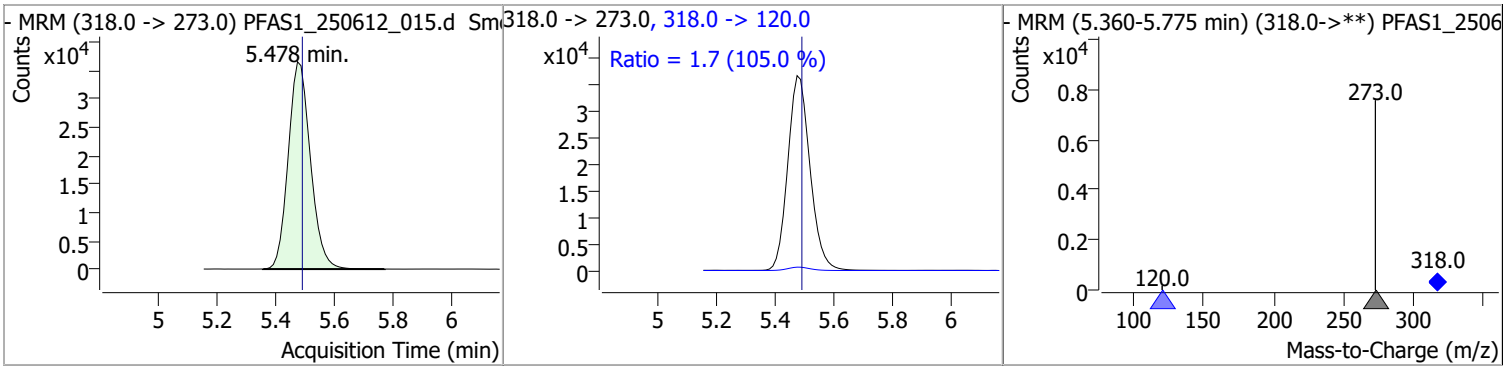
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	188423	315.0 -> 119.0	1.7	1.2	2.3



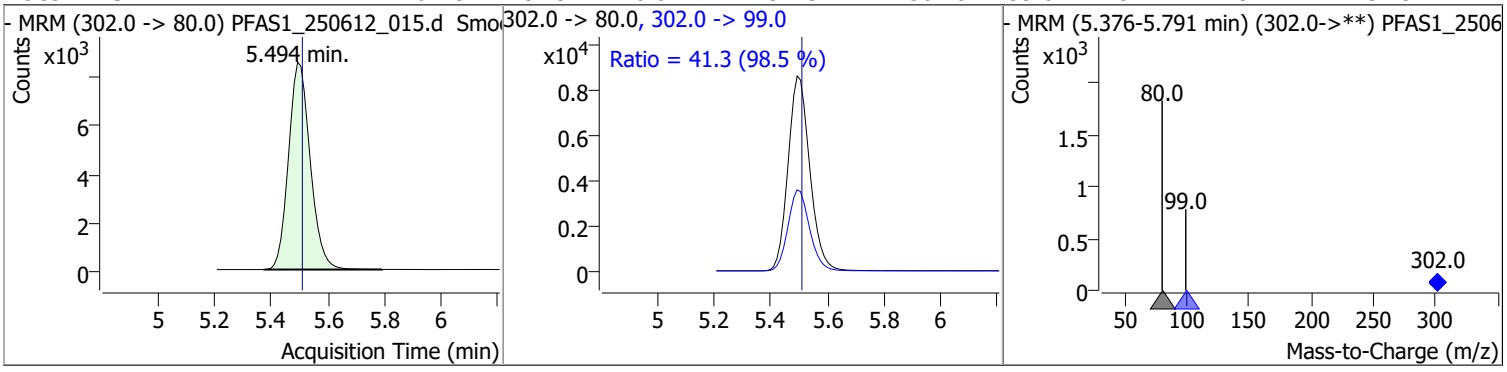
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	1.9964	5.48	0.00	153888	313.0 -> 119.0	3.0	2.4	4.5



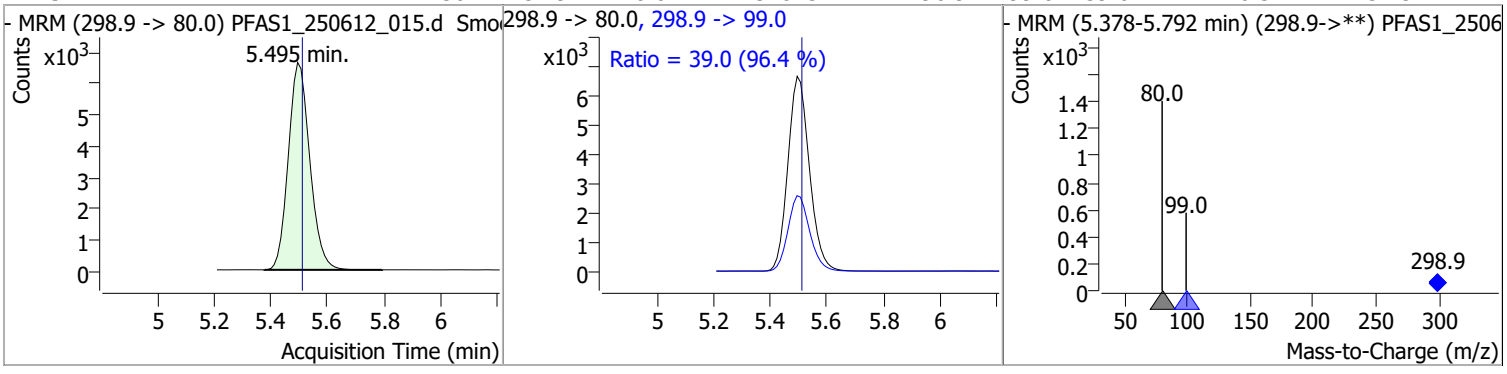
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4659	5.48	-0.01	191422	318.0 -> 120.0	1.7	1.1	2.1



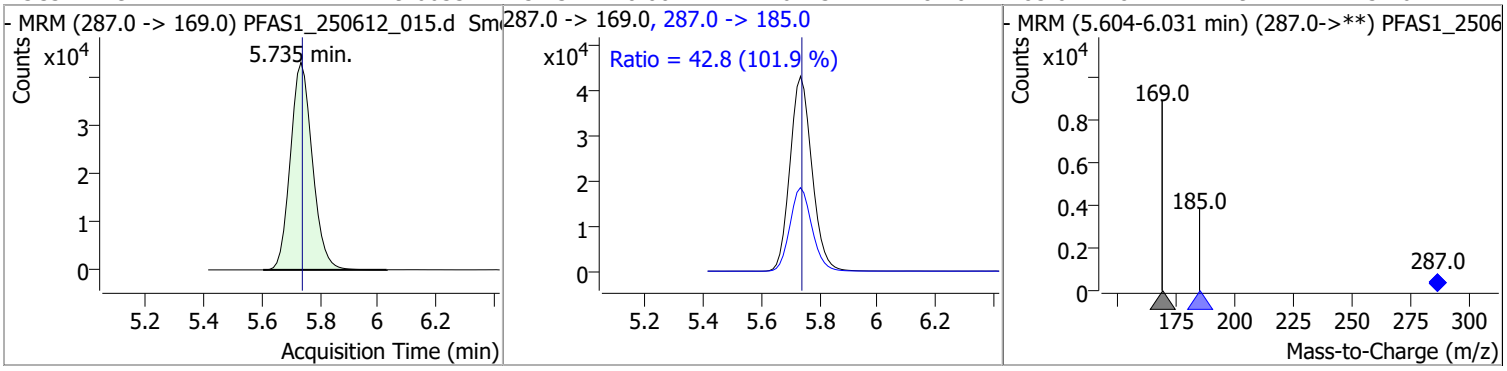
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6145	5.49	-0.01	45745	302.0 -> 99.0	41.3	29.4	54.5



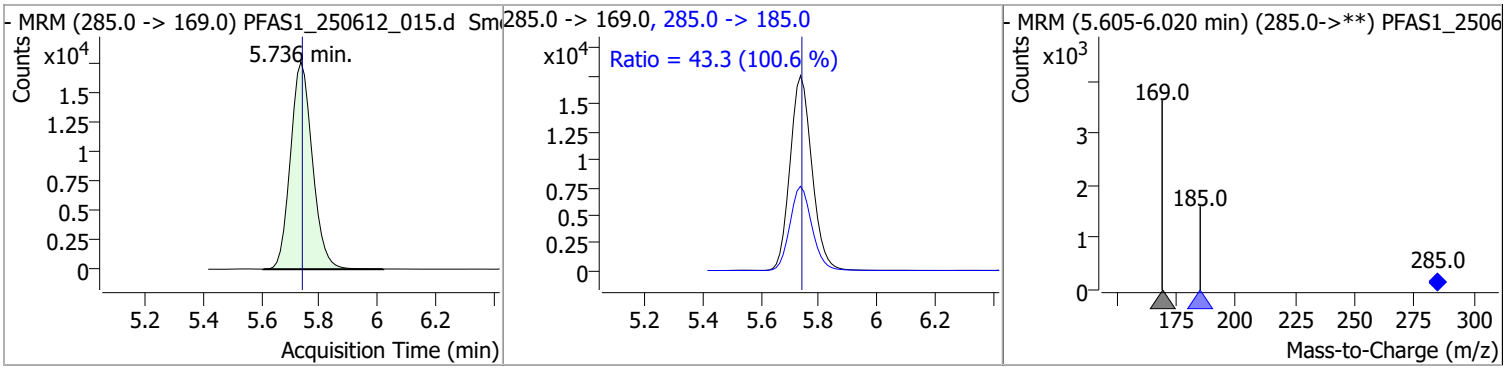
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	1.7230	5.49	-0.01	34845	298.9 -> 99.0	39.0	28.3	52.5



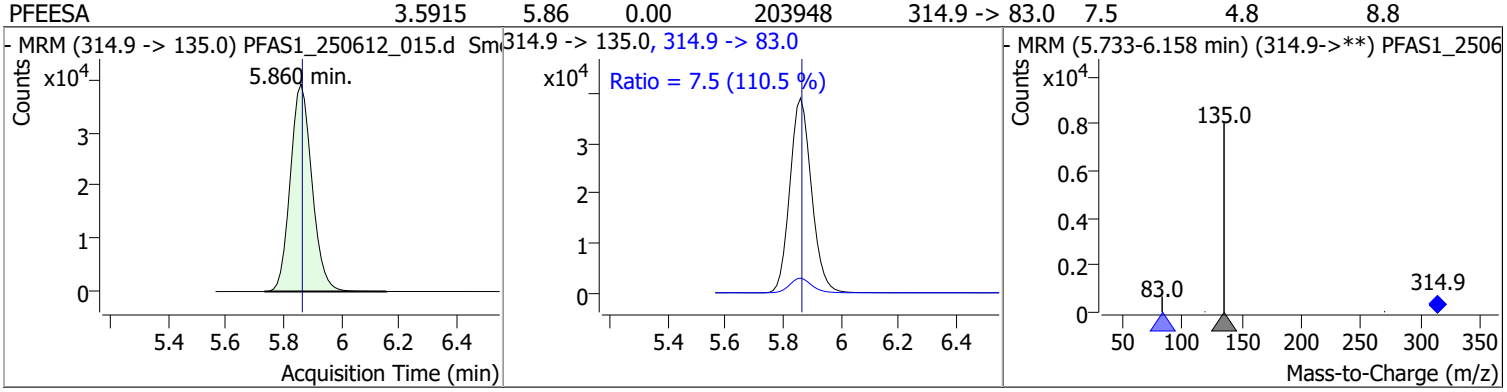
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.6633	5.73	0.00	226173	287.0 -> 185.0	42.8	29.4	54.6



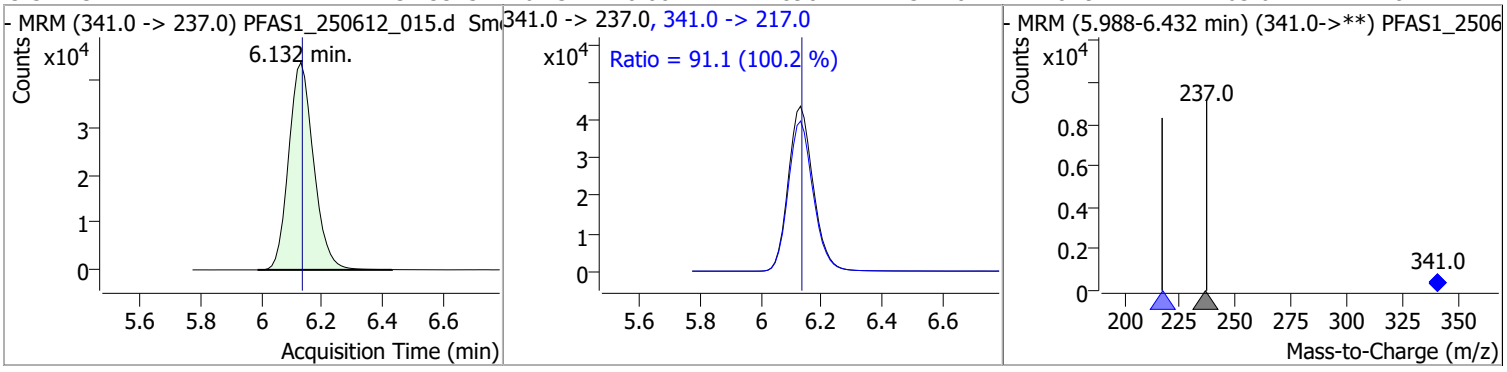
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	4.0451	5.74	0.00	92010	285.0 -> 185.0	43.3	30.1	56.0



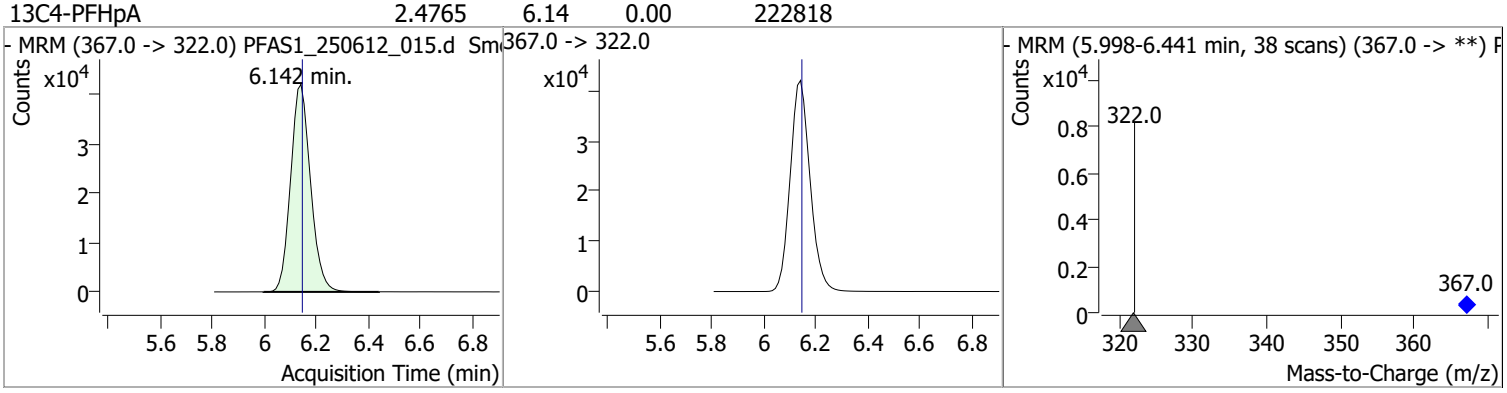
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	3.5915	5.86	0.00	203948	314.9 -> 83.0	7.5	4.8	8.8



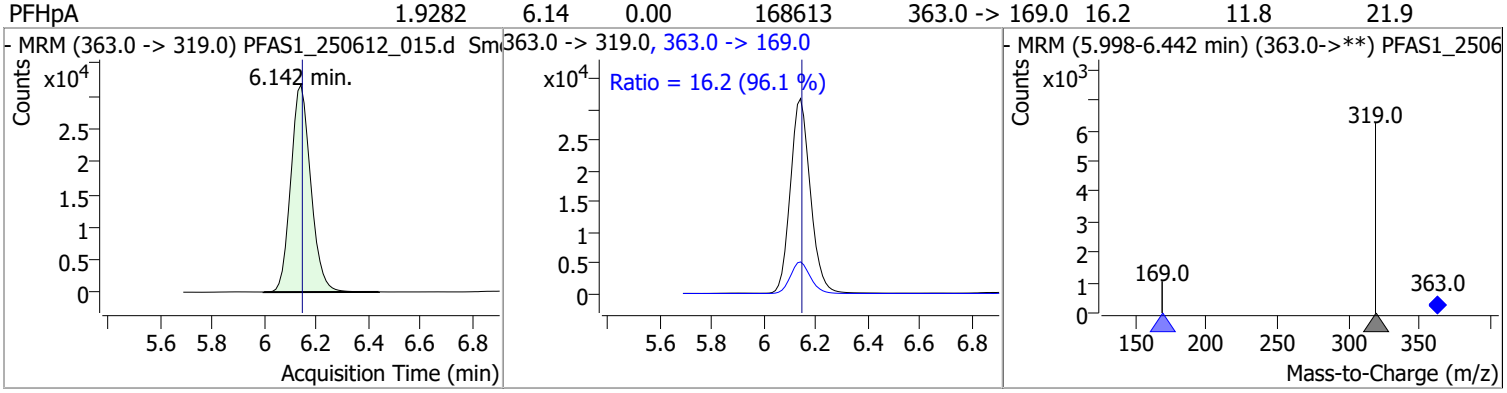
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	37.5573	6.13	0.00	248904	341.0 -> 217.0	91.1	63.6	118.1



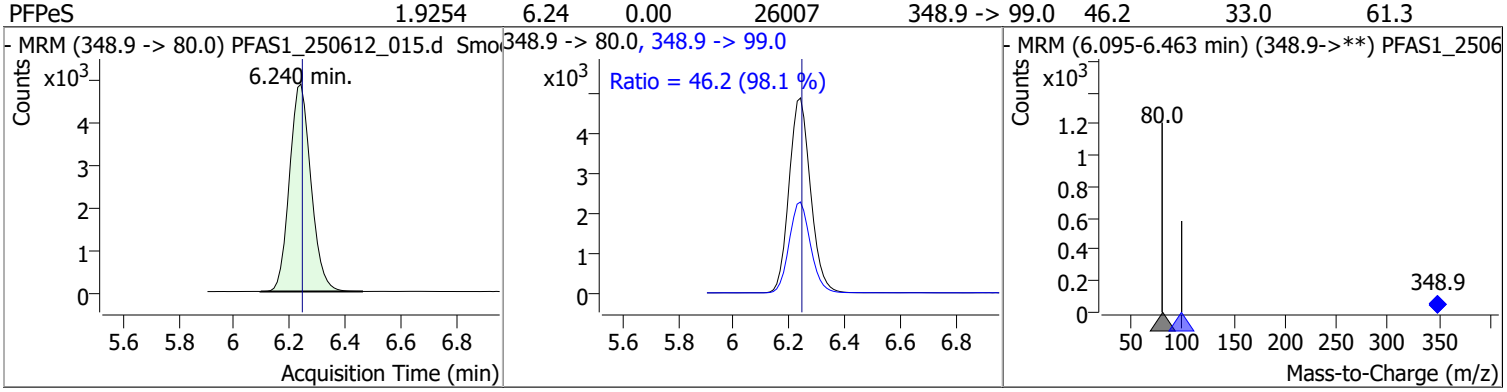
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4765	6.14	0.00	222818				



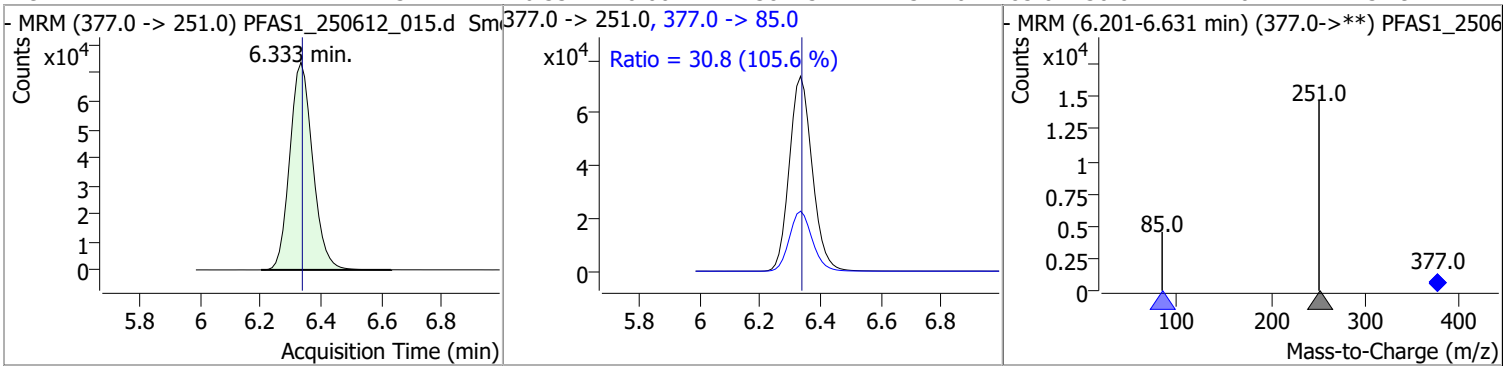
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	1.9282	6.14	0.00	168613	363.0 -> 169.0	16.2	11.8	21.9



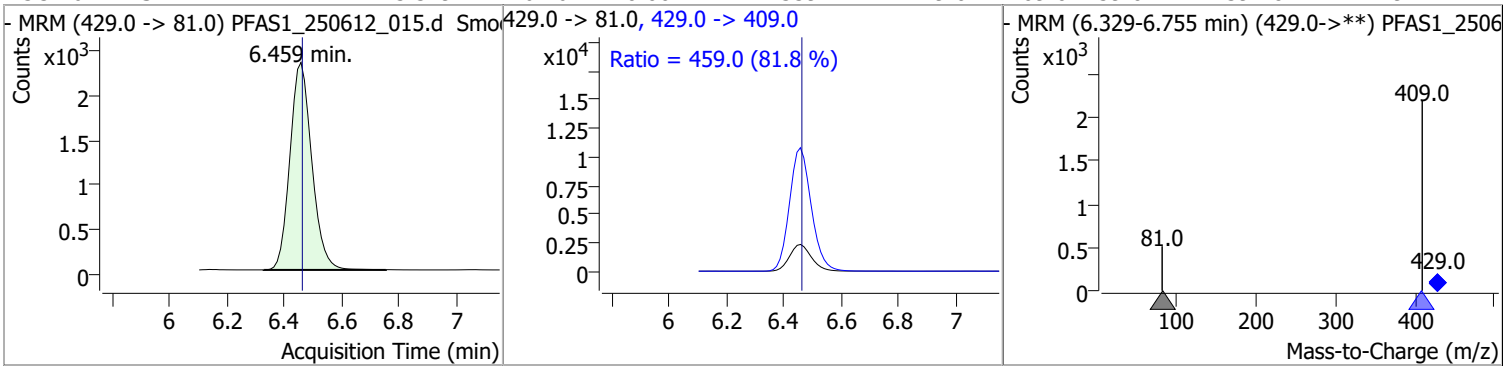
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	1.9254	6.24	0.00	26007	348.9 -> 99.0	46.2	33.0	61.3



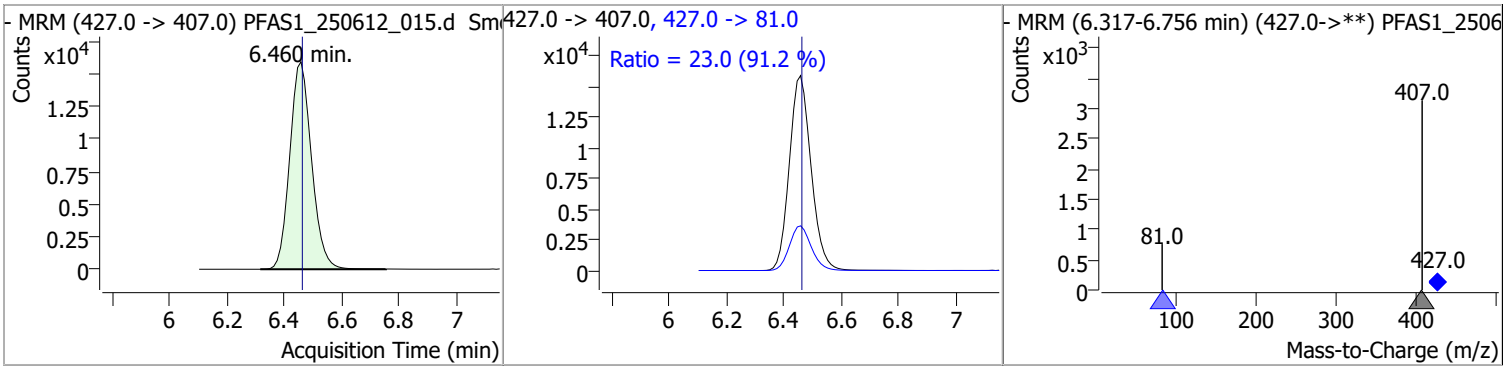
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	3.7211	6.33	0.00	387752	377.0 -> 85.0	30.8	20.4	37.9



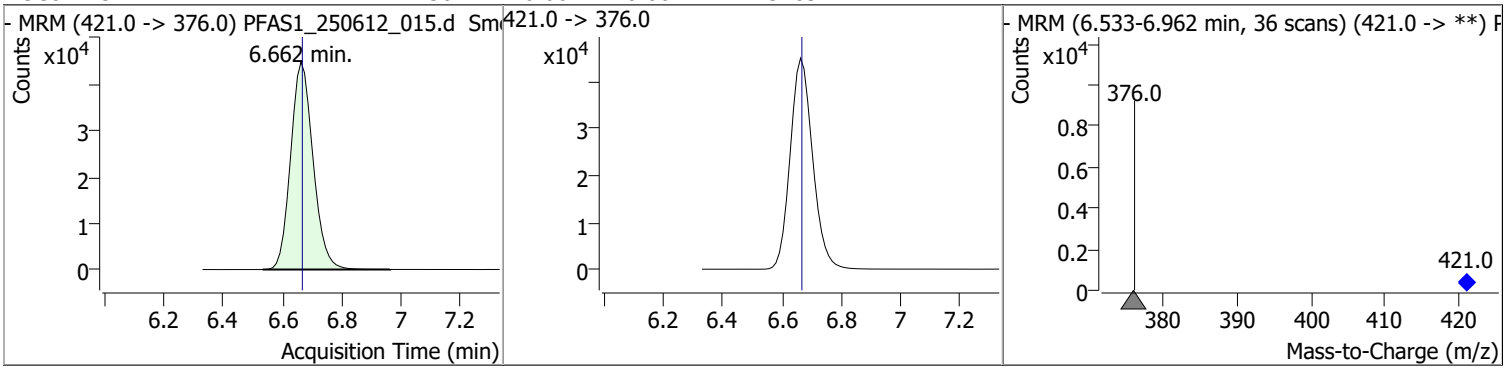
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3497	6.46	0.00	12359	429.0 -> 409.0	459.0	392.8	729.4



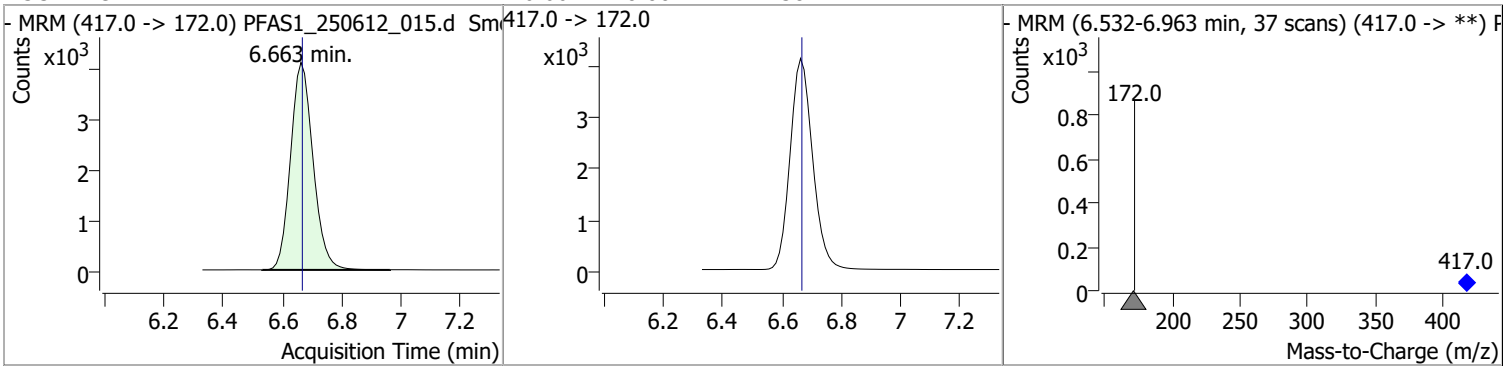
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	7.9832	6.46	0.00	83573	427.0 -> 81.0	23.0	17.7	32.8



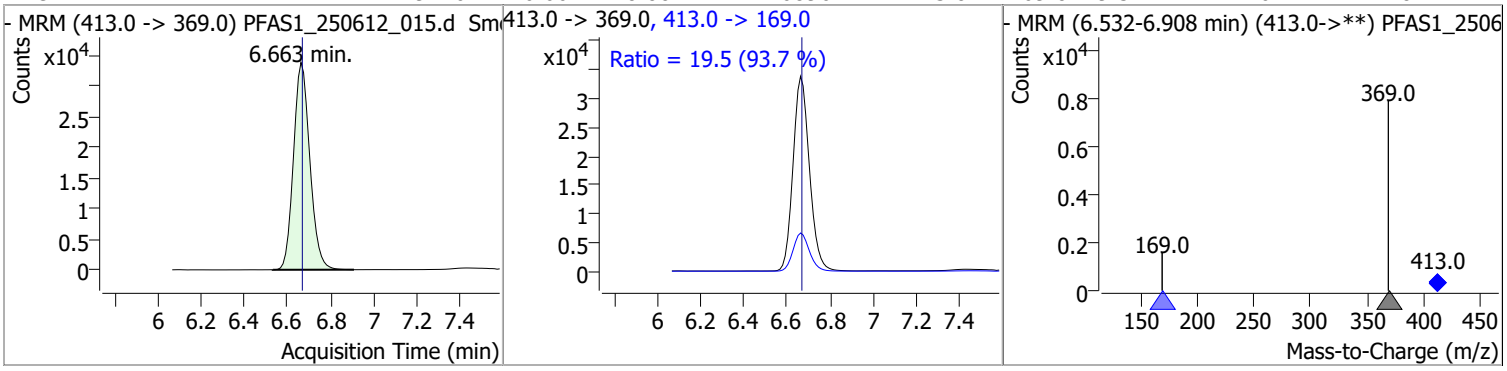
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4302	6.66	0.00	234892				



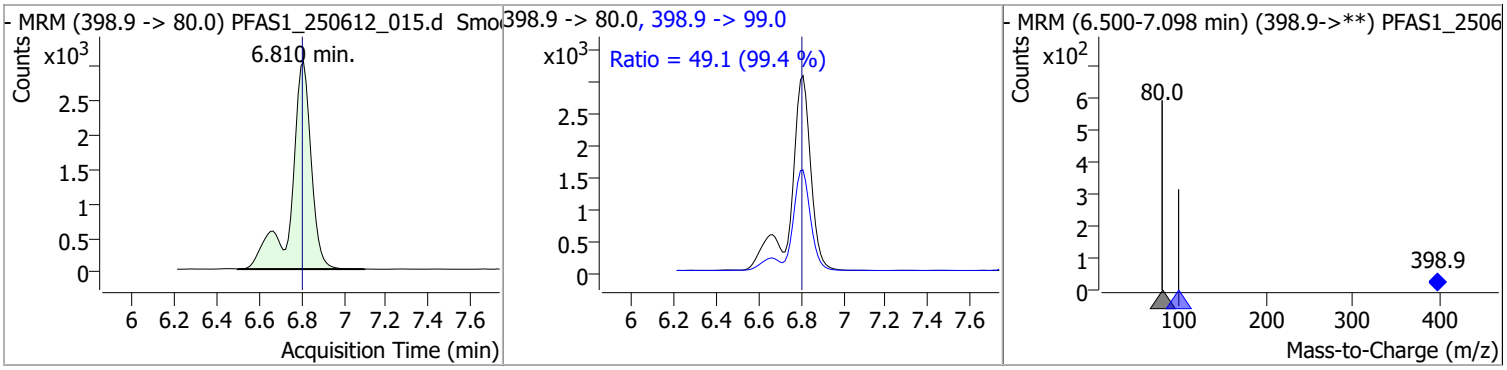
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21584				



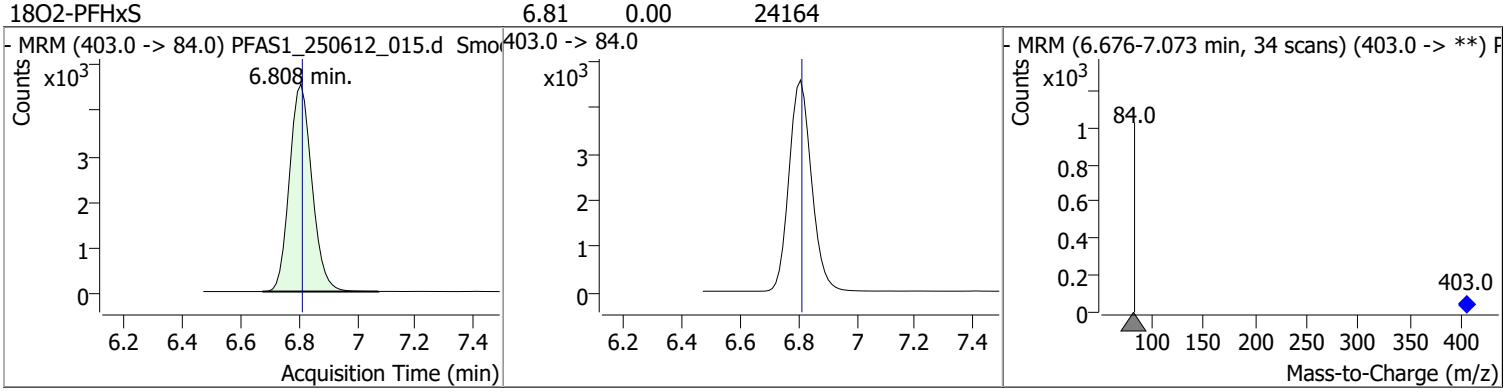
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	1.9246	6.66	0.00	176896	413.0 -> 169.0	19.5	14.6	27.0



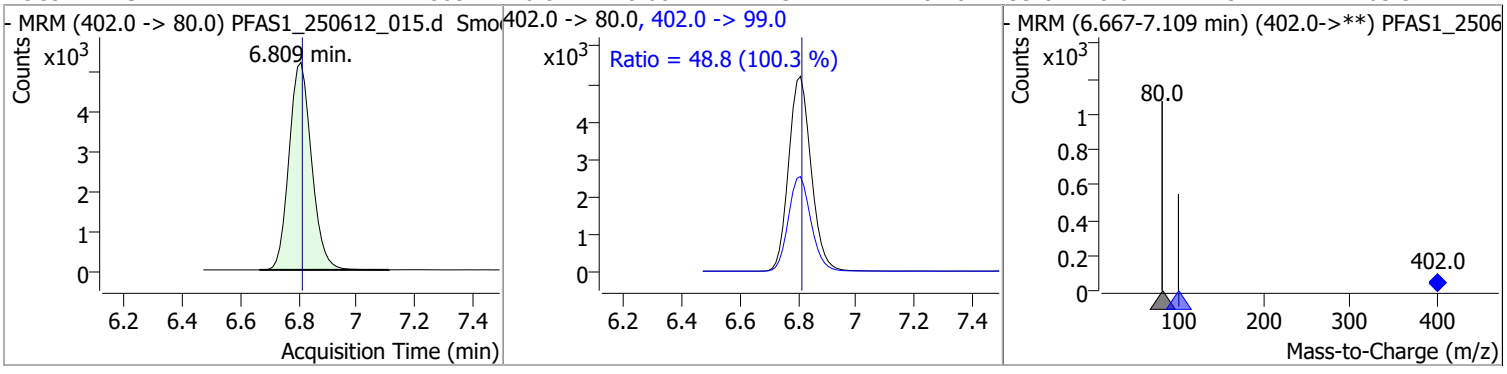
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	1.7638	6.81	0.01	19957	398.9 -> 99.0	49.1	34.6	64.2



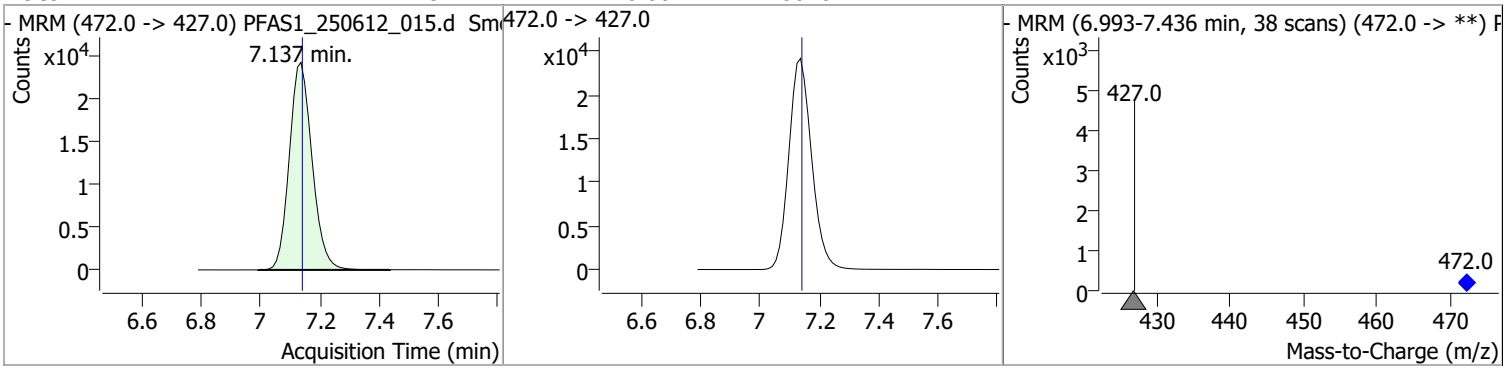
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24164				



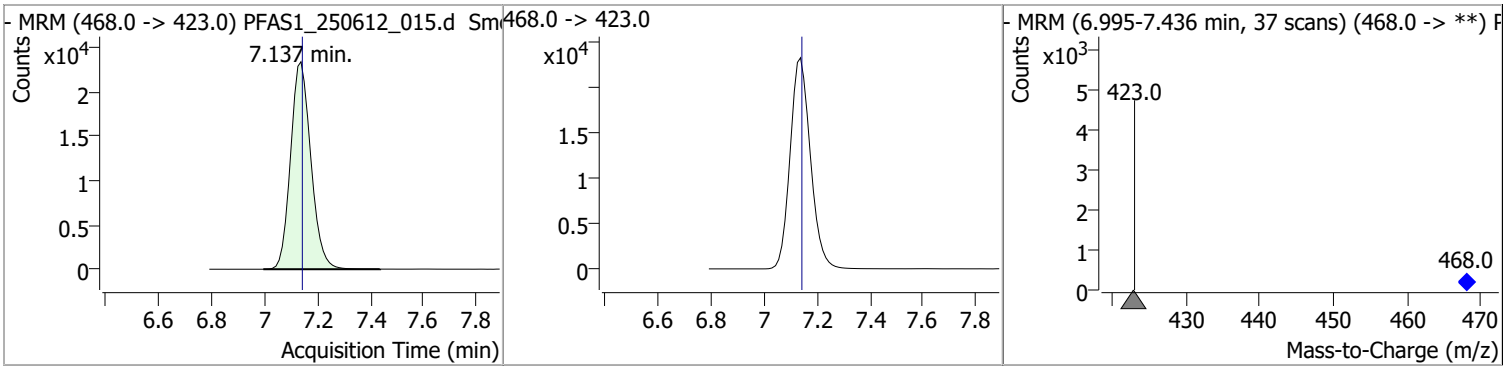
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4805	6.81	0.00	27514	402.0 -> 99.0	48.8	34.1	63.3



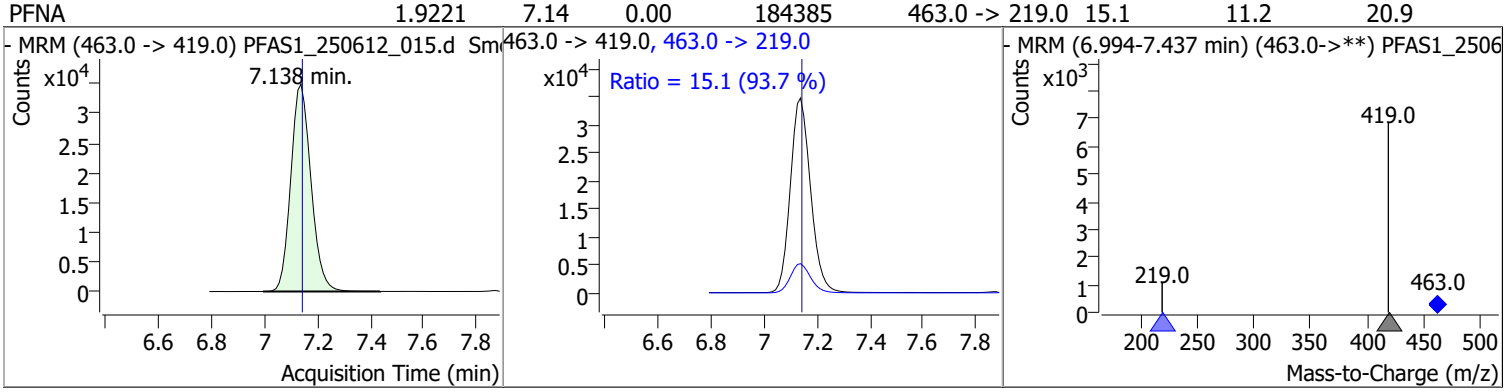
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2574	7.14	0.00	128018				



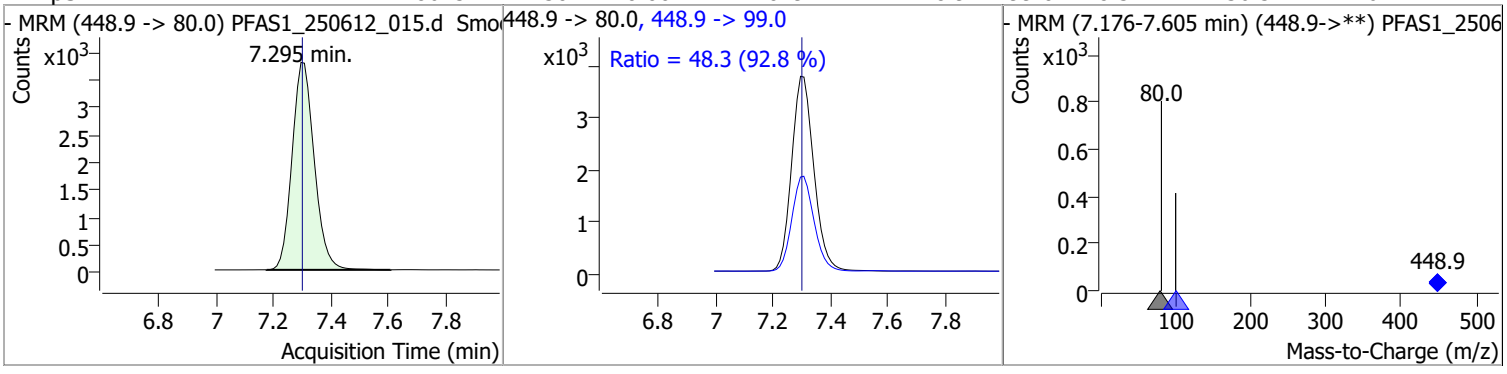
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	124160				



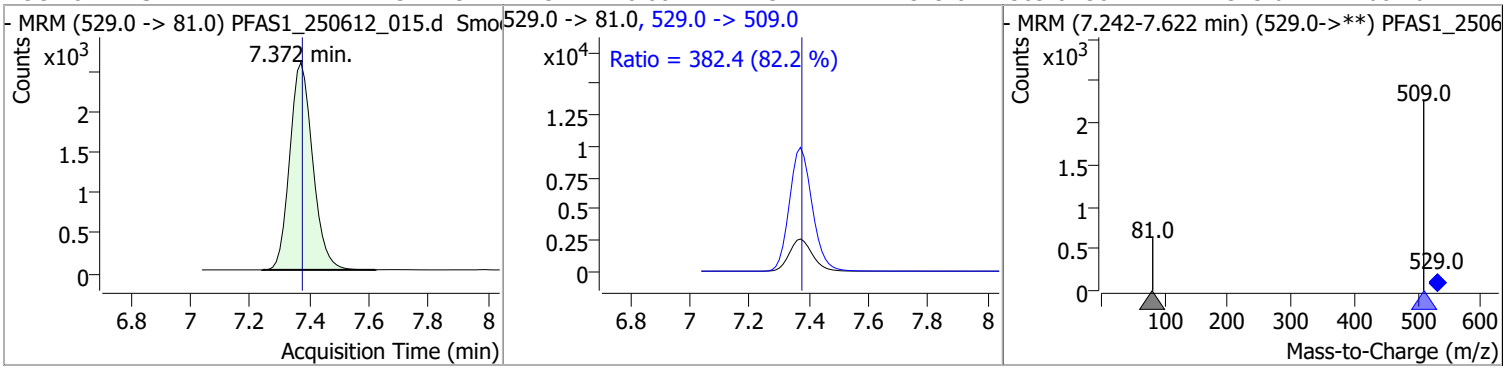
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	1.9221	7.14	0.00	184385	463.0 -> 219.0	15.1	11.2	20.9



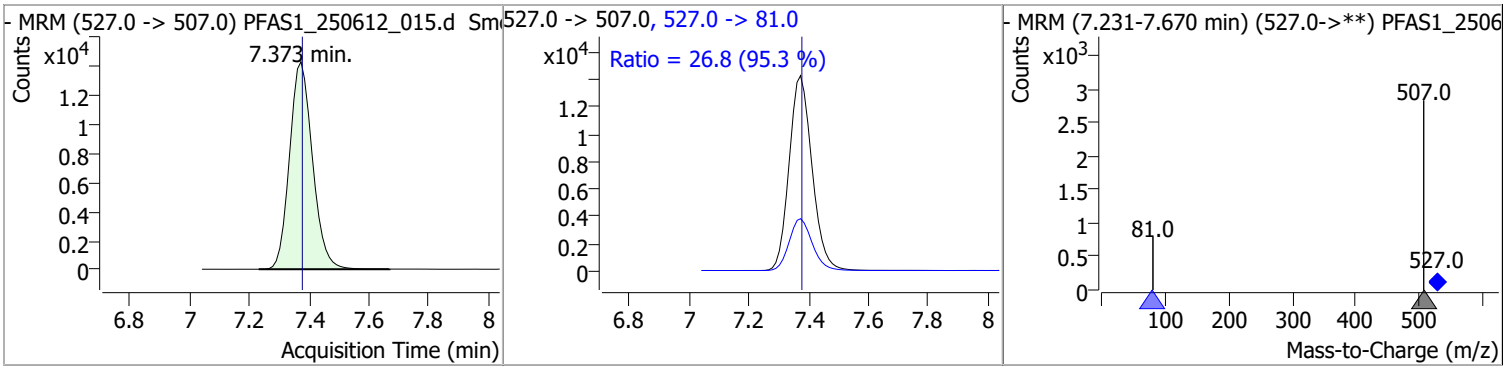
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	1.8625	7.30	0.00	20194	448.9 -> 99.0	48.3	36.5	67.7



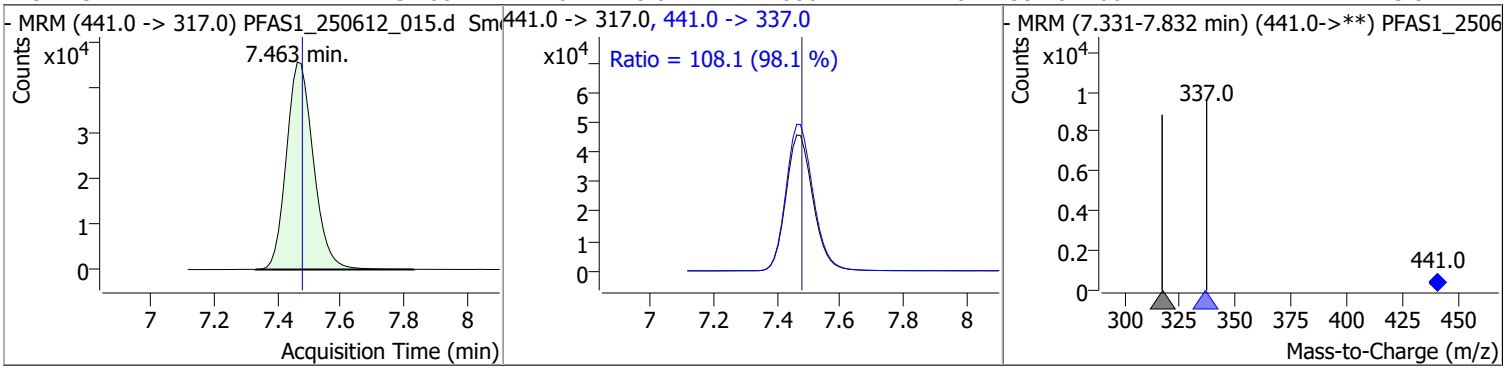
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.4243	7.37	0.00	13721	529.0 -> 509.0	382.4	325.6	604.6



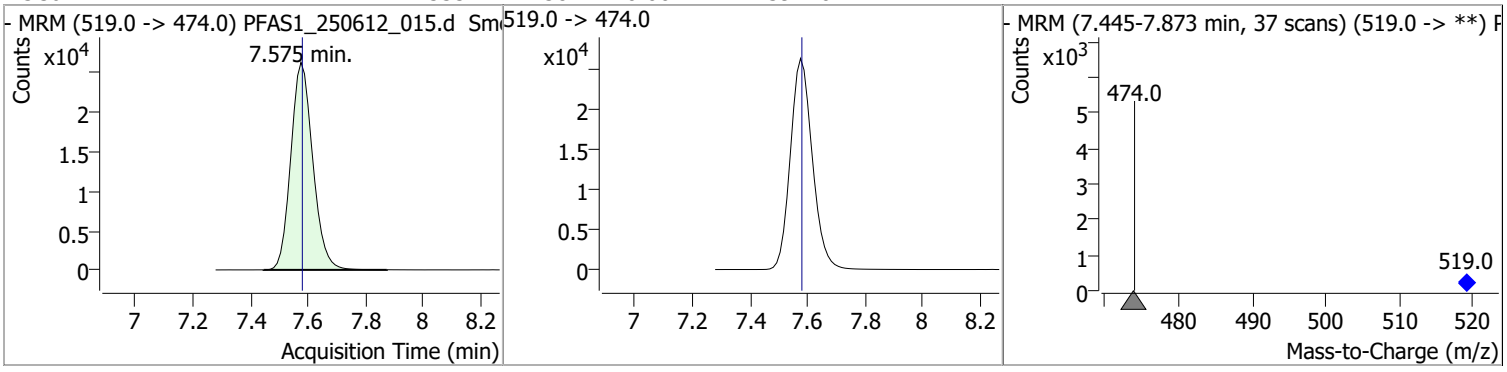
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	7.8105	7.37	0.00	76018	527.0 -> 81.0	26.8	19.7	36.6



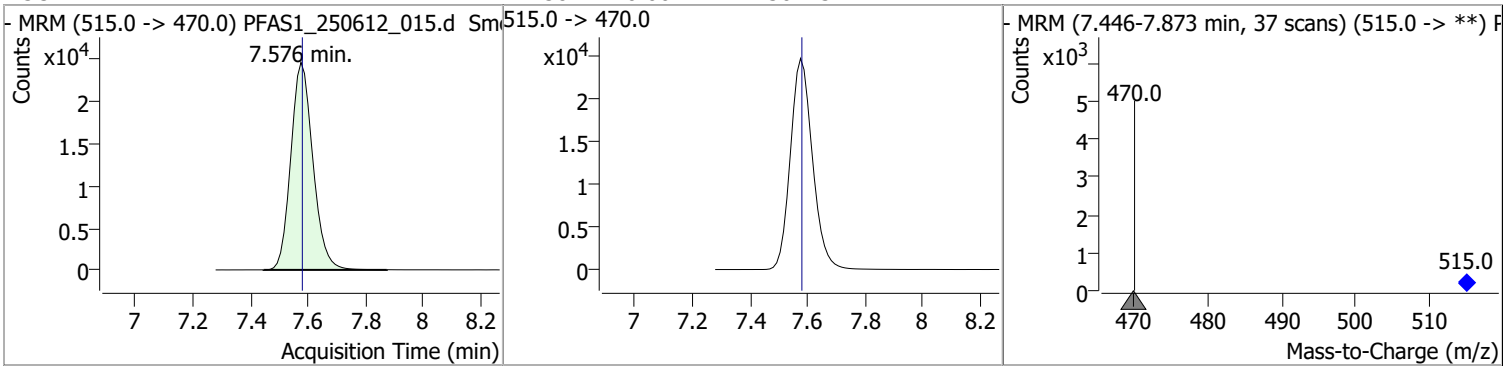
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	37.0012	7.46	-0.01	270887	441.0 -> 337.0	108.1	77.1	143.3



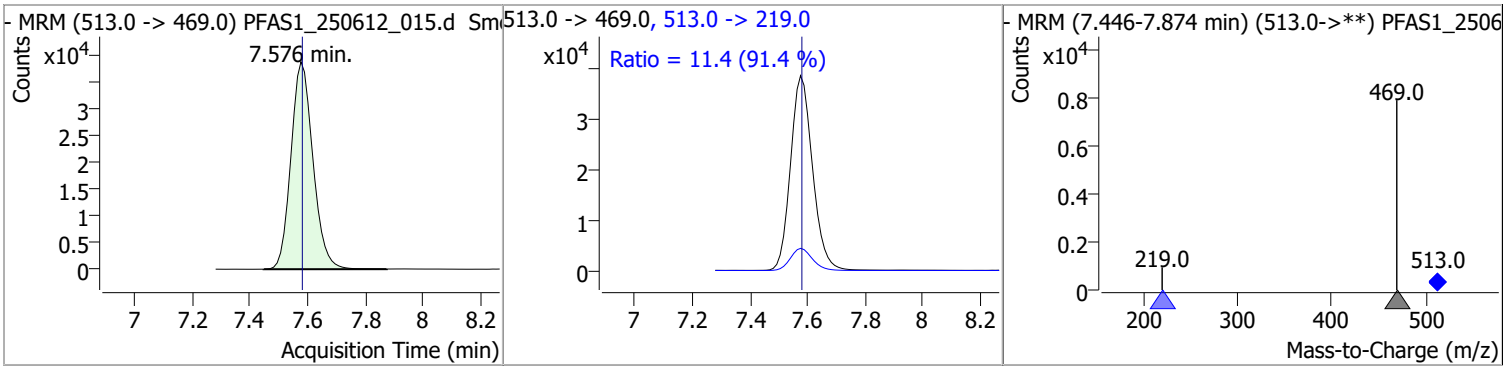
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2535	7.58	0.00	139140				



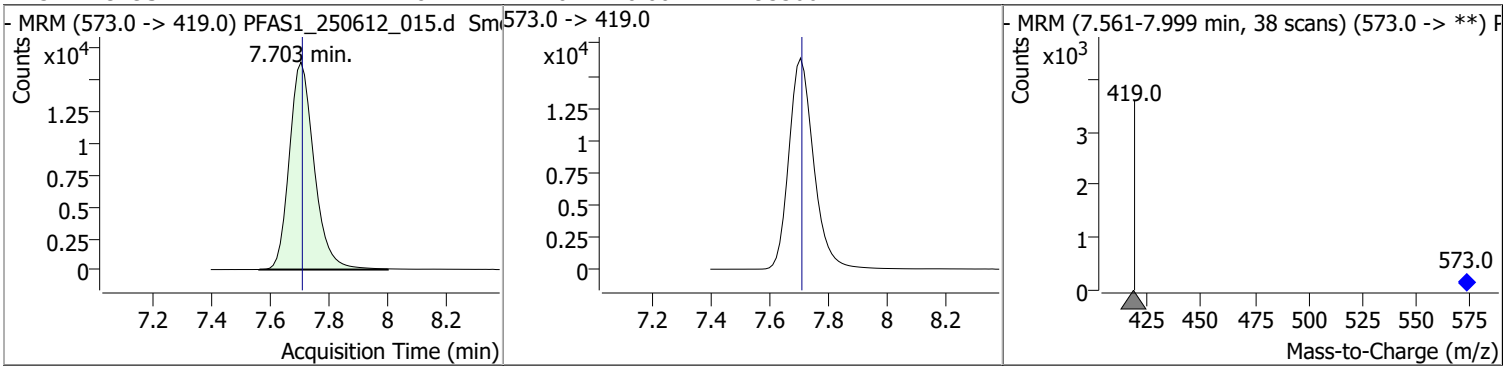
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	130713				



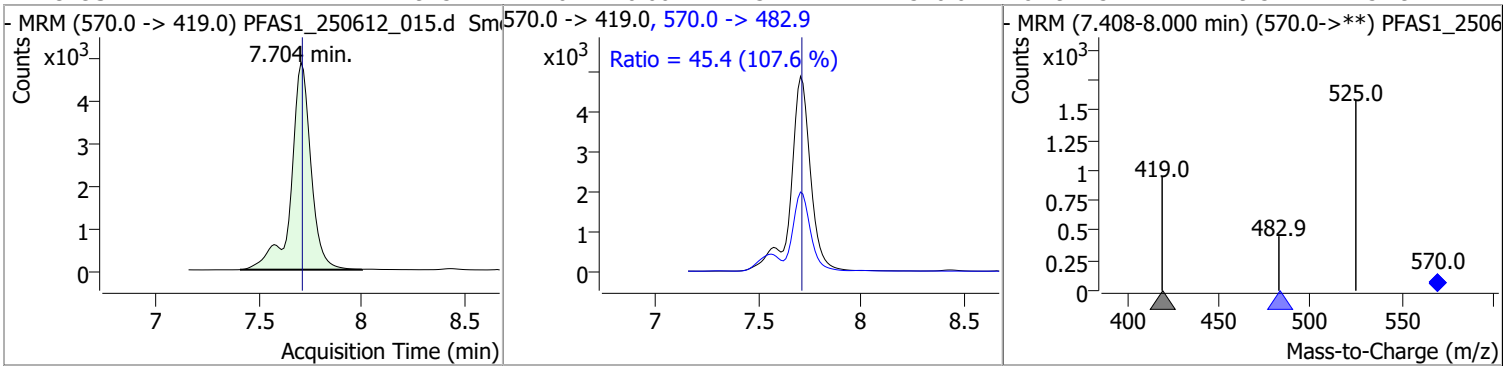
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	1.9407	7.58	0.00	205255	513.0 -> 219.0	11.4	8.7	16.2



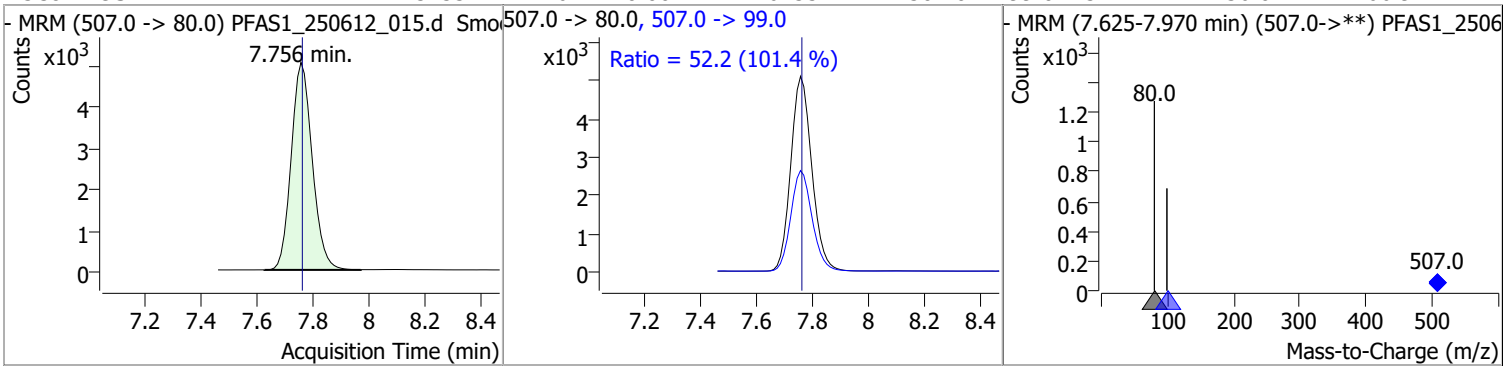
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.8414	7.70	0.00	95566				



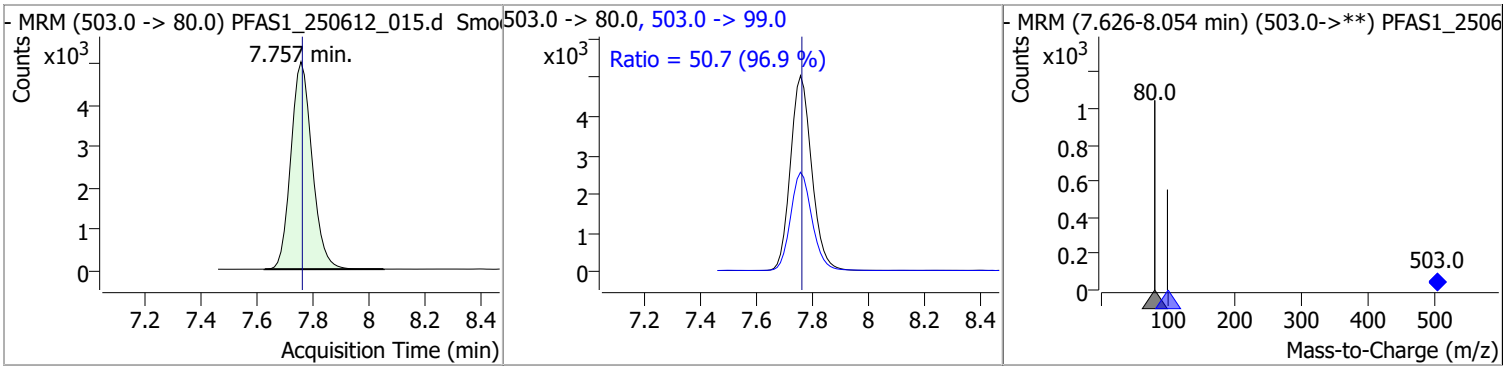
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	1.9257	7.70	0.00	32444	570.0 -> 482.9	45.4	29.5	54.9



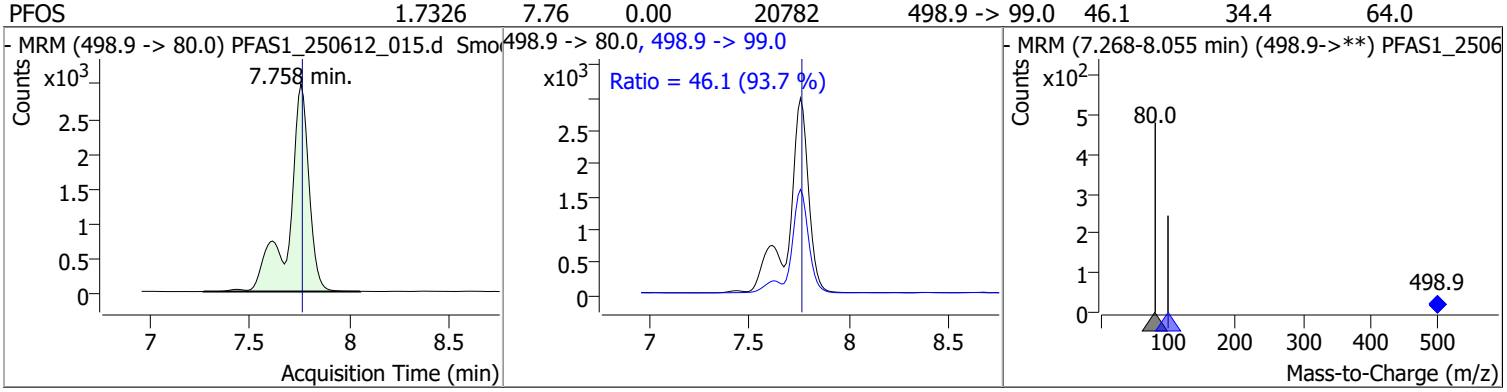
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5253	7.76	0.00	26455	507.0 -> 99.0	52.2	36.0	66.9



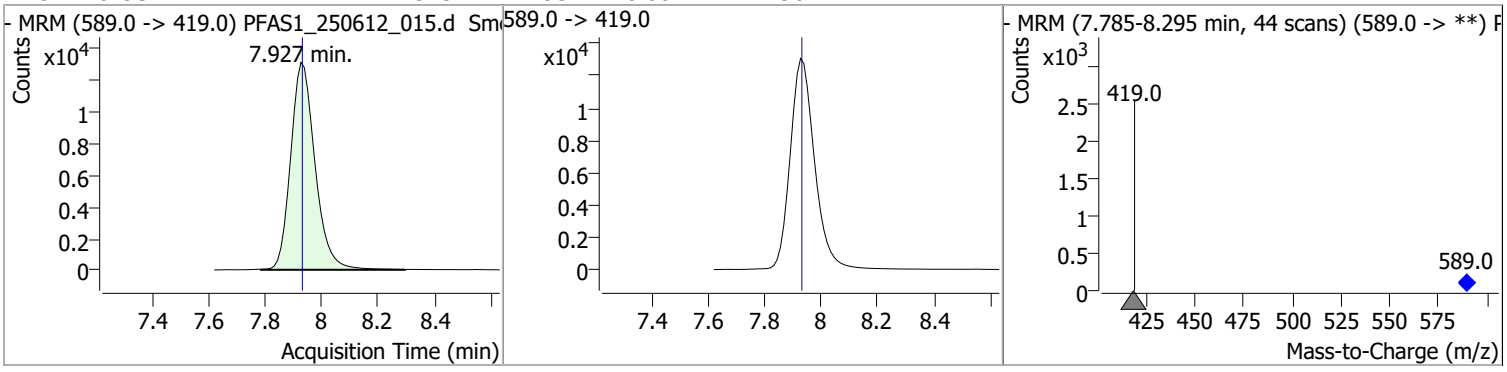
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26436	503.0 -> 99.0	50.7	36.6	67.9



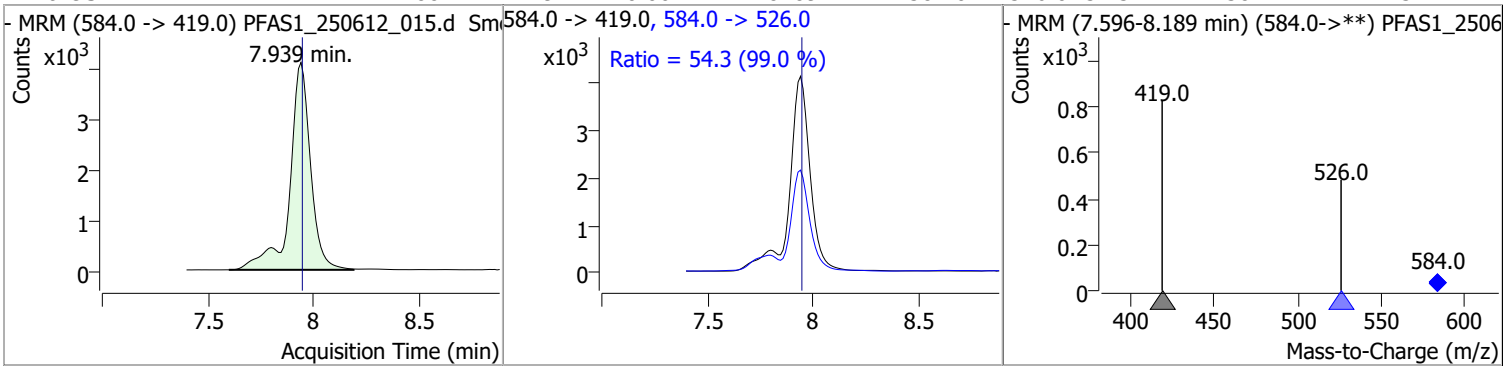
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	1.7326	7.76	0.00	20782	498.9 -> 99.0	46.1	34.4	64.0



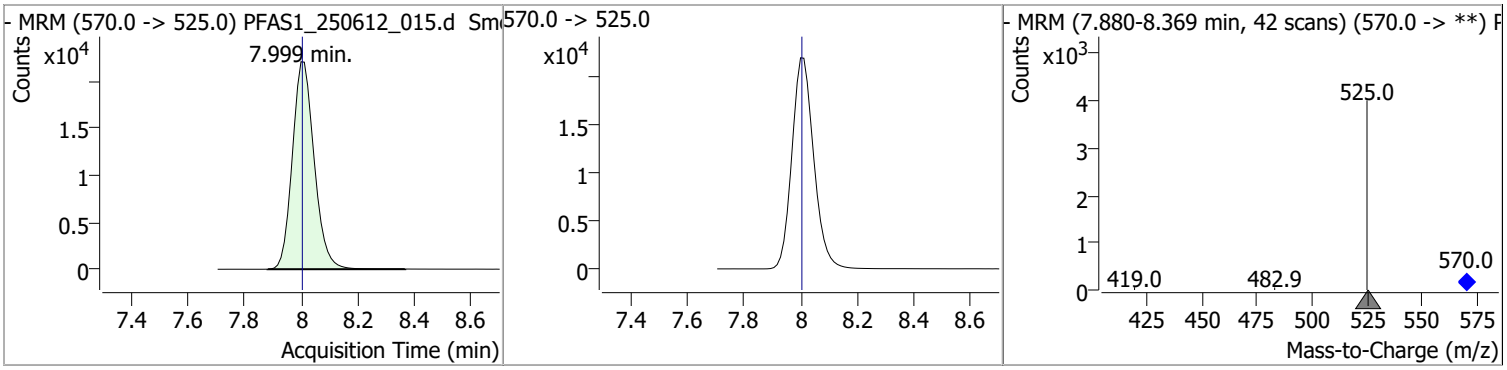
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9251	7.93	0.00	77904				



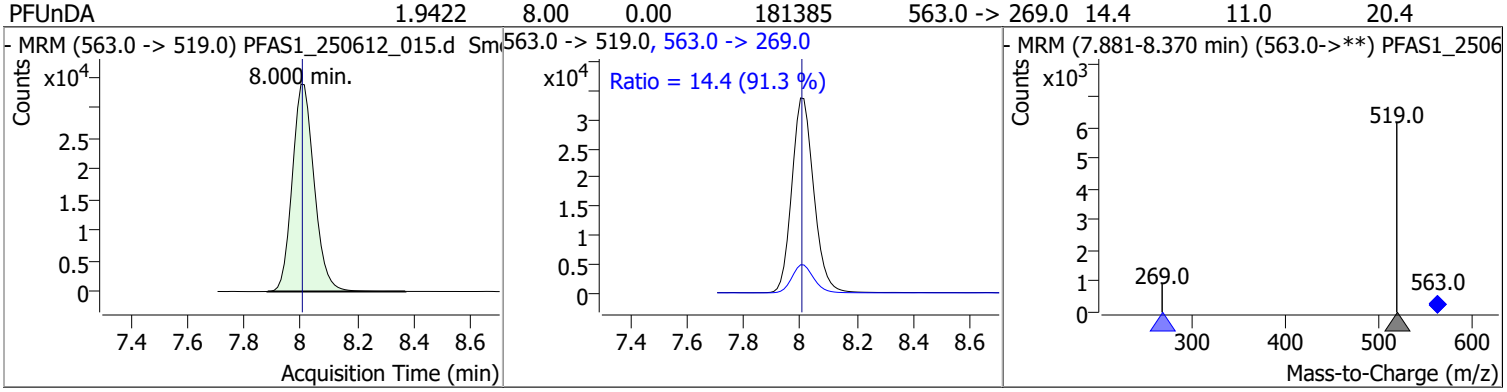
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	1.8827	7.94	0.00	28189	584.0 -> 526.0	54.3	38.4	71.3



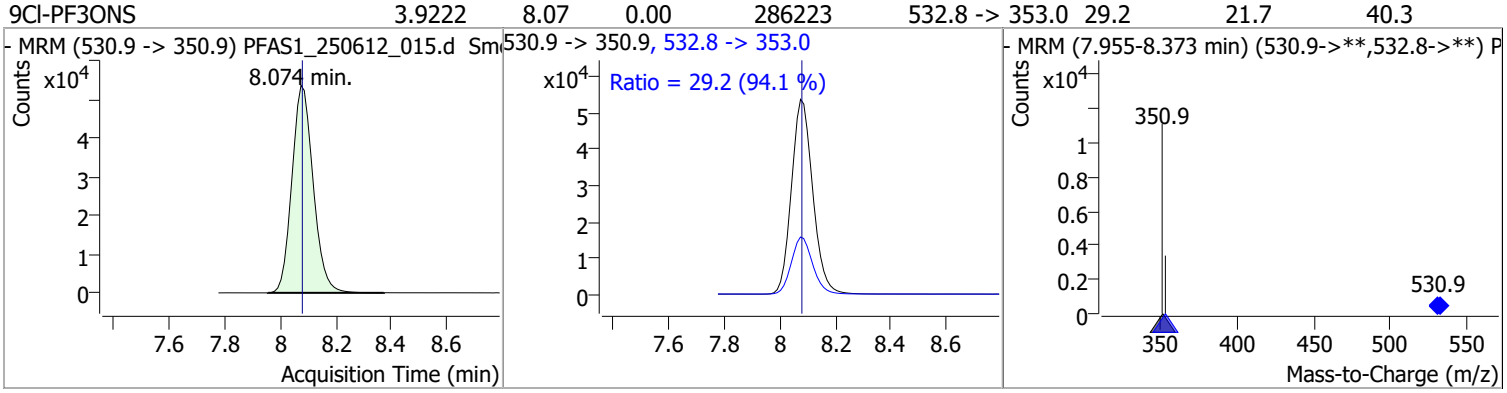
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2296	8.00	0.00	118508				



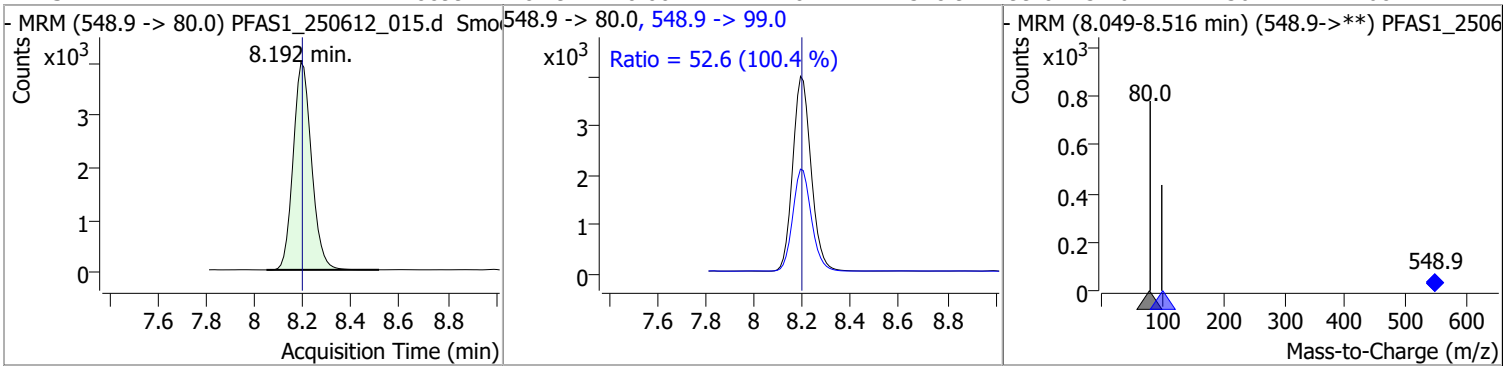
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	1.9422	8.00	0.00	181385	563.0 -> 269.0	14.4	11.0	20.4



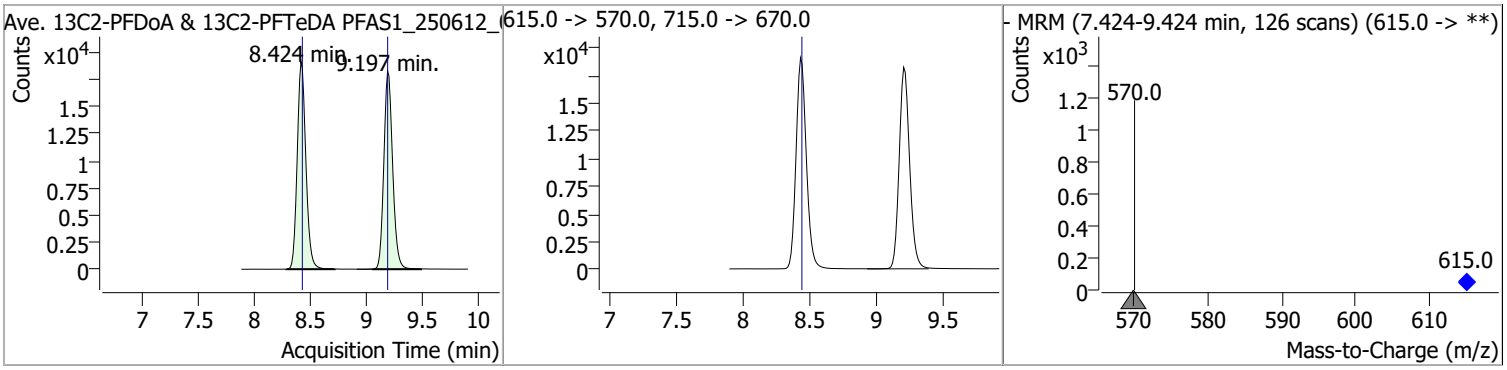
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	3.9222	8.07	0.00	286223	532.8 -> 353.0	29.2	21.7	40.3



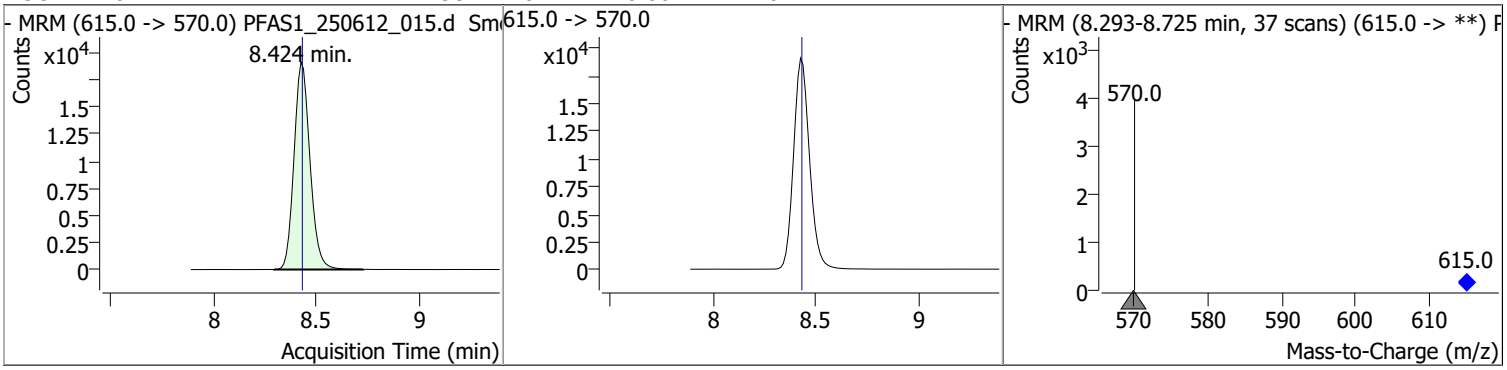
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	1.8899	8.19	0.00	21102	548.9 -> 99.0	52.6	36.7	68.1



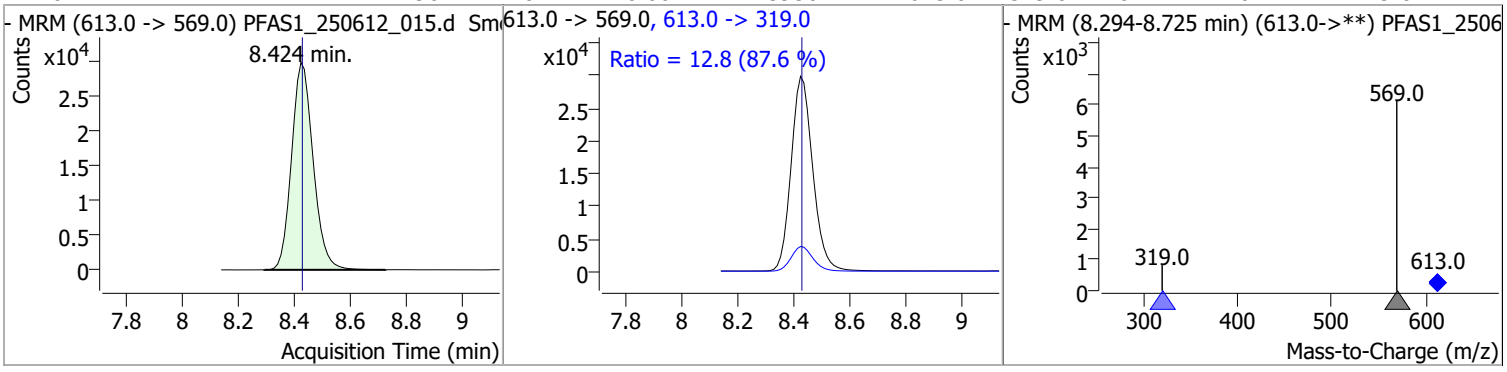
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2172	8.81	0.39	100782				



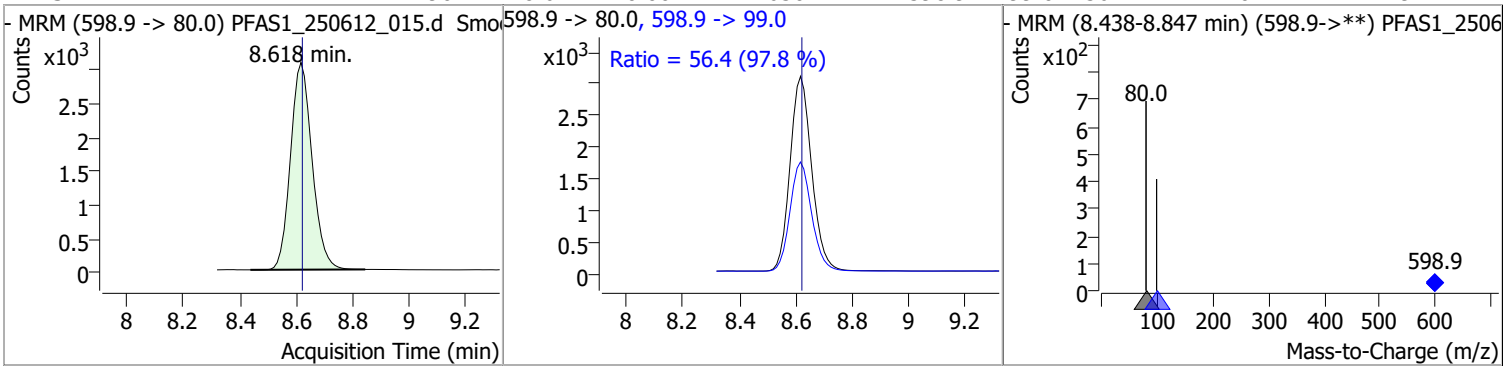
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2195	8.42	0.00	102244				



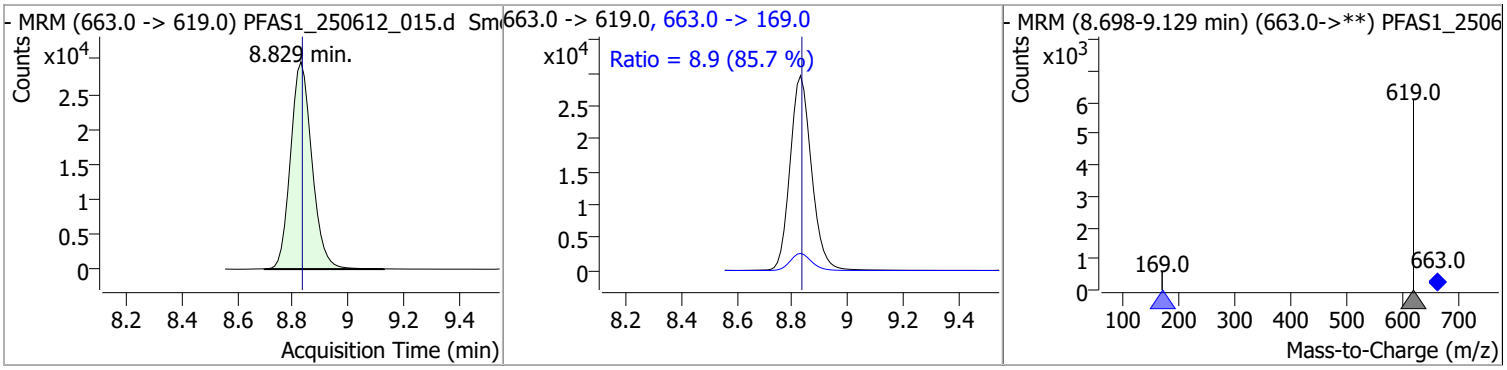
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	1.9877	8.42	0.00	159502	613.0 -> 319.0	12.8	10.2	19.0



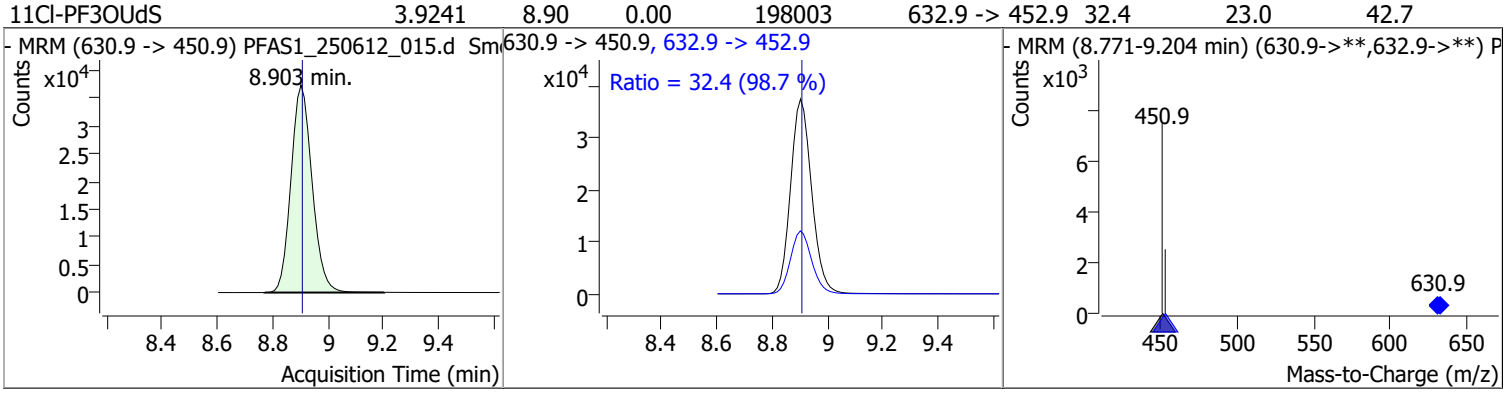
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	1.7901	8.62	0.00	16307	598.9 -> 99.0	56.4	40.4	74.9



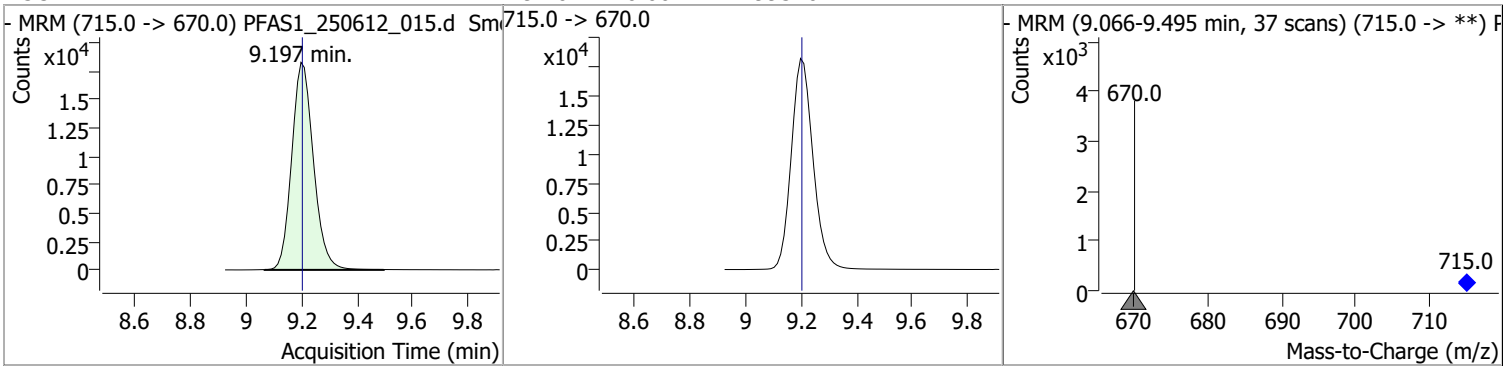
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	1.9940	8.83	0.00	158527	663.0 -> 169.0	8.9	7.2	13.4



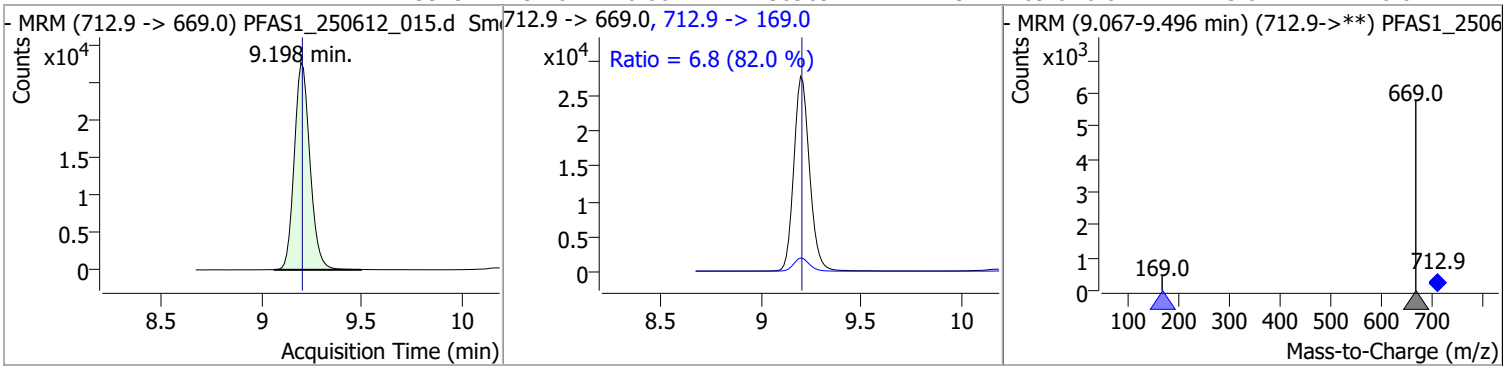
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	3.9241	8.90	0.00	198003	632.9 -> 452.9	32.4	23.0	42.7



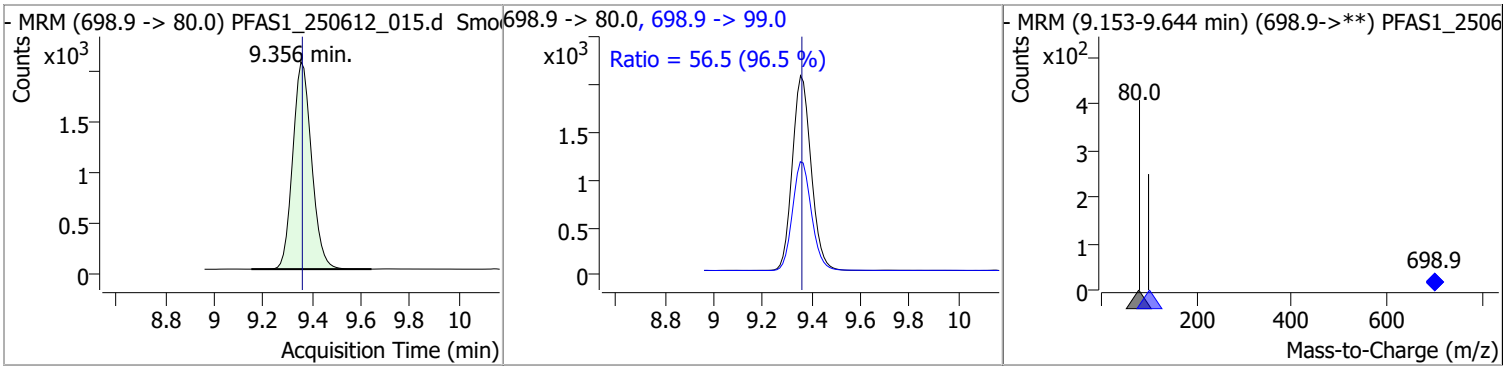
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2147	9.20	0.00	99320				



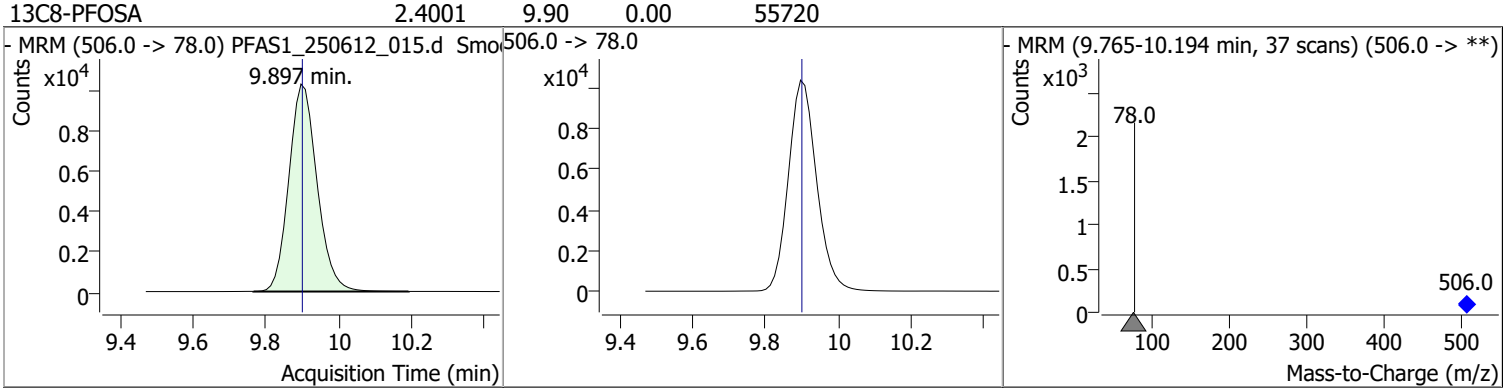
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	1.9929	9.20	0.00	150989	712.9 -> 169.0	6.8	5.8	10.8



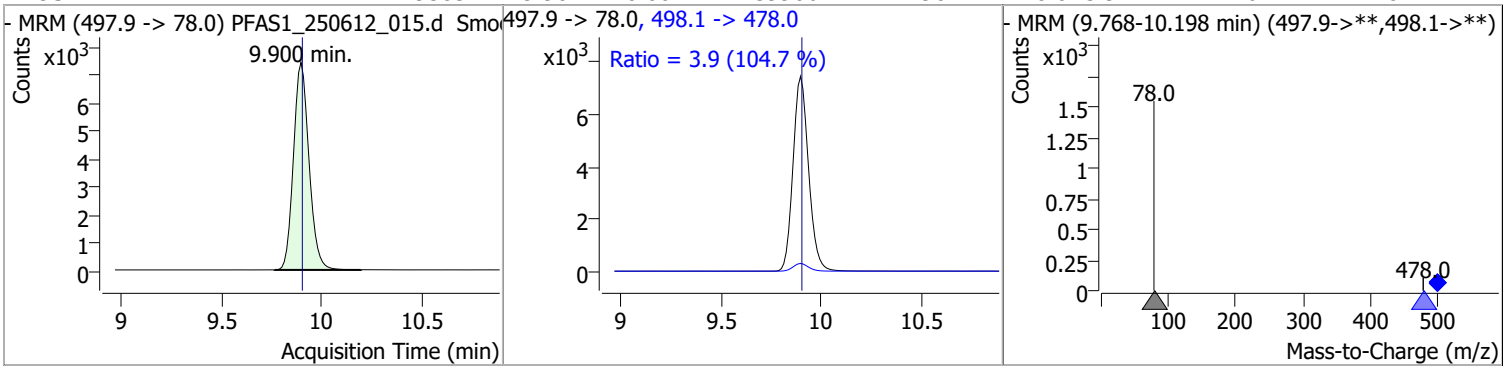
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	1.8269	9.36	0.00	10934	698.9 -> 99.0	56.5	41.0	76.1



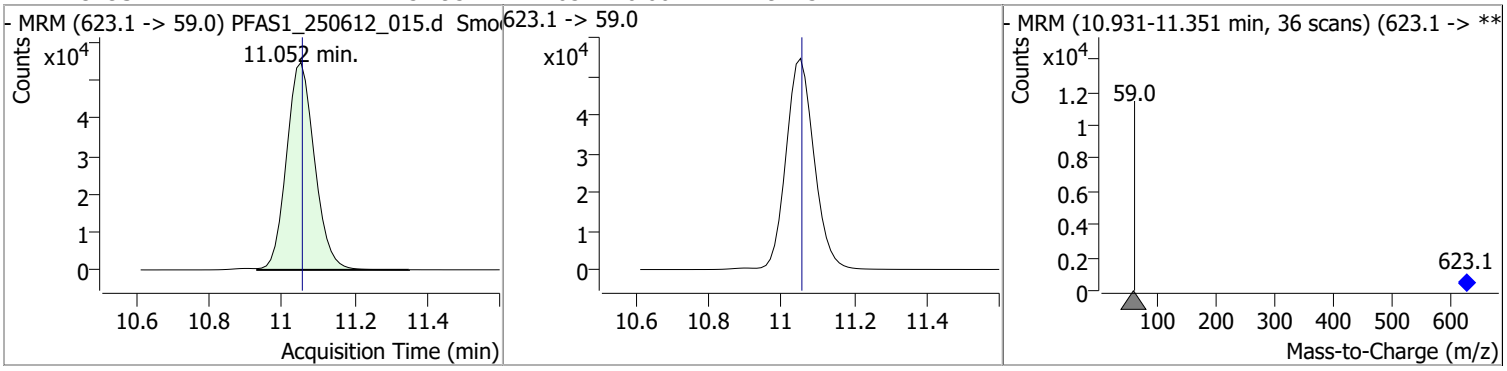
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4001	9.90	0.00	55720				



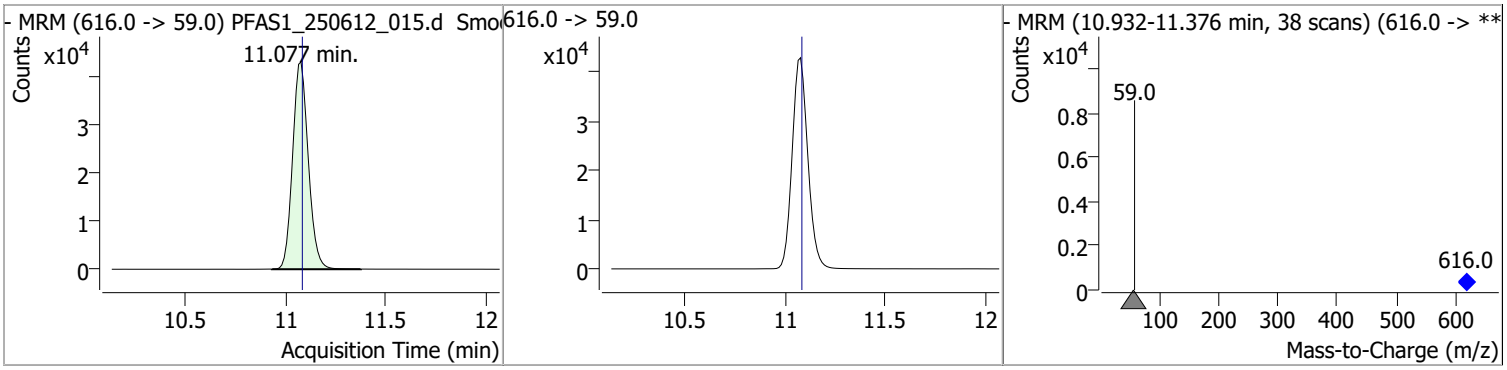
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	1.9383	9.90	0.00	39906	498.1 -> 478.0	3.9	2.6	4.8



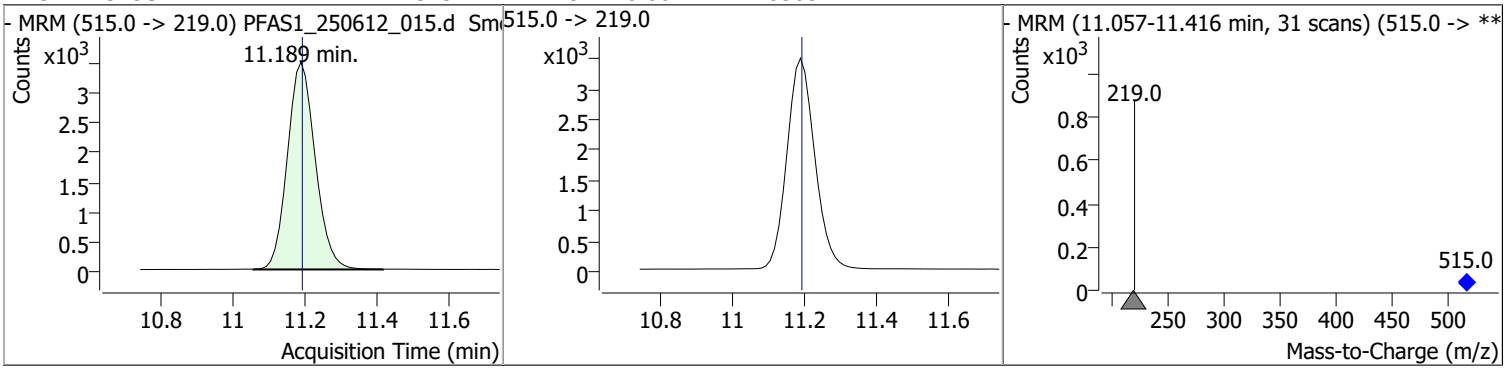
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.2954	11.05	0.00	294232				



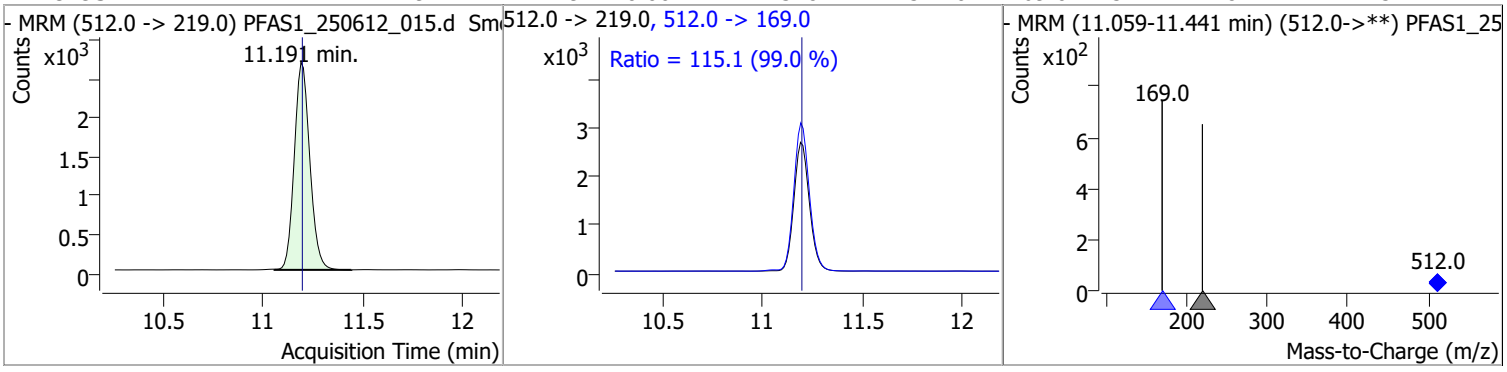
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	20.5998	11.08	0.00	232763				



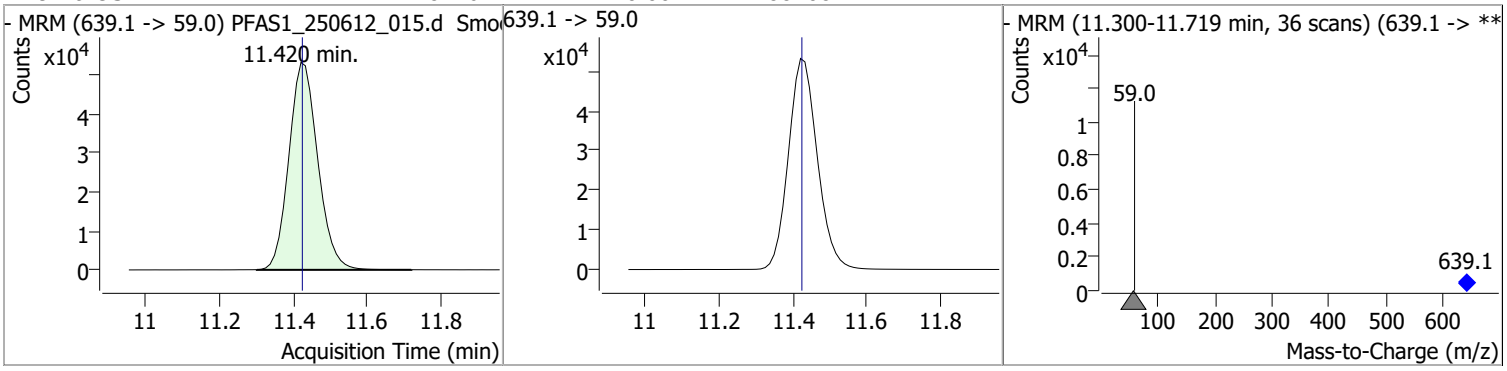
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3734	11.19	0.00	18505				



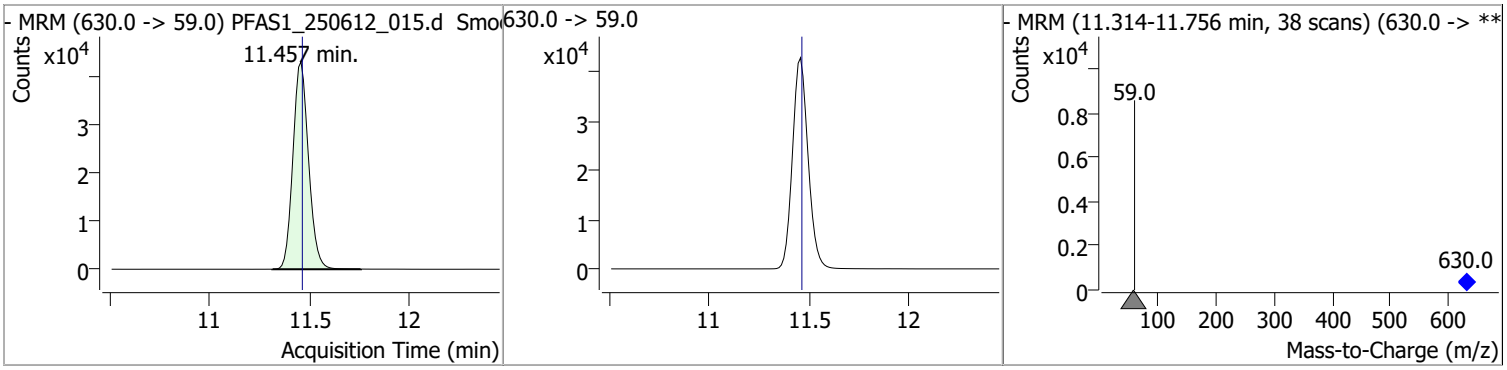
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	1.9744	11.19	0.00	14348	512.0 -> 169.0	115.1	81.4	151.2



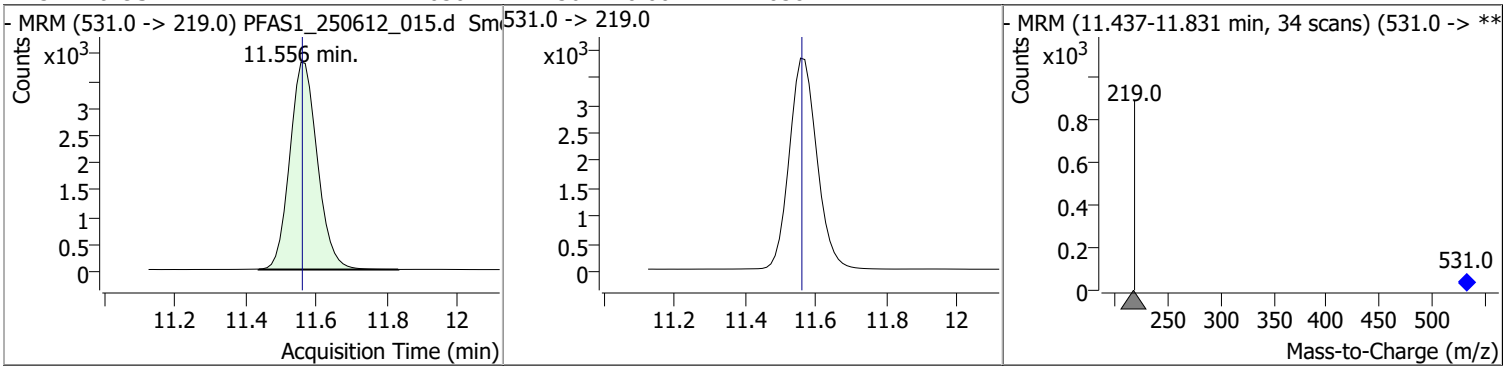
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.8116	11.42	0.00	288708				



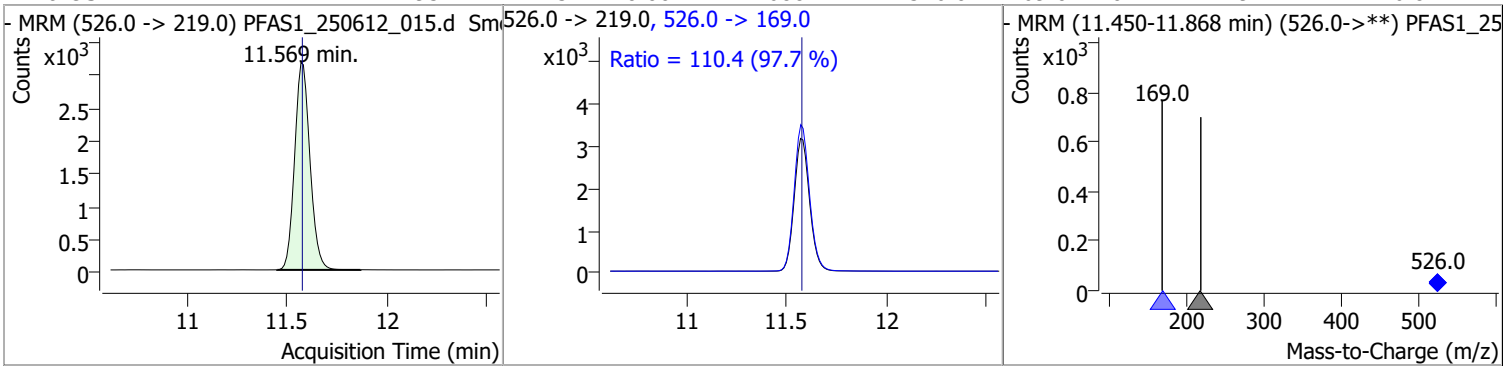
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	21.4571	11.46	0.00	232069				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4030	11.56	0.00	20587				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	1.9527	11.57	0.00	16882	526.0 -> 169.0	110.4	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_016.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 4:38:09 PM
Sample Name	SEQ-CAL5	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

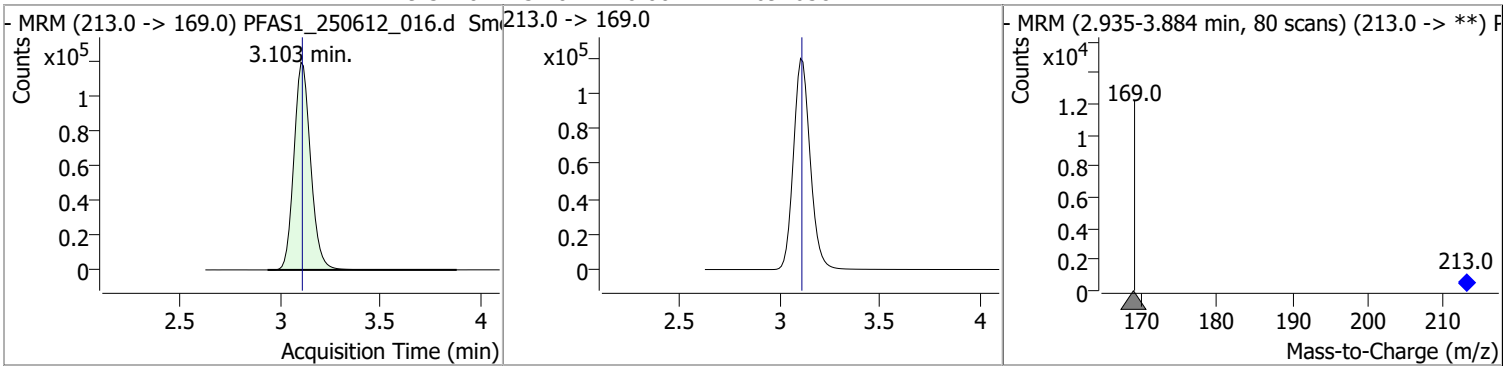
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	170204	5.0000	µg/L	7.604
13C2-PFHxA	5.479	315.0 -> 270.0	186423	2.5000	µg/L	4.336
18O2-PFHxS	6.808	403.0 -> 84.0	24500	2.5000	µg/L	4.253
13C4-PFOA	6.663	417.0 -> 172.0	20258	2.5000	µg/L	0.312
13C5-PFNA	7.137	468.0 -> 423.0	124624	1.2500	µg/L	4.132
13C2-PFDA	7.576	515.0 -> 470.0	129047	1.2500	µg/L	3.129
13C4-PFOS	7.757	503.0 -> 80.0	27210	2.5000	µg/L	8.989
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	396679	10.0000	µg/L	8.682
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.94%		
13C4-PFBA	3.107	217.0 -> 172.0	396679	10.0000	µg/L	8.682
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.94%		
13C5-PFPeA	4.594	268.0 -> 223.0	288957	5.0000	µg/L	7.114
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.70%		
13C5-PFPeA	4.594	268.0 -> 223.0	288957	5.0000	µg/L	7.114
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.70%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	17910	5.0000	µg/L	11.138
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 107.16%		
13C5-PFHxA	5.490	318.0 -> 273.0	194610	2.5000	µg/L	5.766
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.35%		
13C5-PFHxA	5.490	318.0 -> 273.0	194610	2.5000	µg/L	5.766
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.35%		
13C3-PFBS	5.494	302.0 -> 80.0	46352	2.5000	µg/L	8.738
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.51%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	234489	10.0000	µg/L	5.687
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.26%		
13C4-PFHpA	6.142	367.0 -> 322.0	226111	2.5000	µg/L	6.057
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.60%		
13C3-PFHxS	6.809	402.0 -> 80.0	28164	2.5000	µg/L	4.382
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.17%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12438	5.0000	µg/L	10.299
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 106.21%		
13C8-PFOA	6.662	421.0 -> 376.0	239159	2.5000	µg/L	5.872
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.45%		
13C3-PFHxS	6.809	402.0 -> 80.0	28164	2.5000	µg/L	4.382
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.17%		
13C9-PFNA	7.137	472.0 -> 427.0	128735	1.2500	µg/L	4.917
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.78%		
13C8-PFOS	7.756	507.0 -> 80.0	26666	2.5000	µg/L	7.767
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.92%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12782	5.0000	µg/L	3.850
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.68%		
13C6-PFDA	7.575	519.0 -> 474.0	139108	1.2500	µg/L	4.669
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.55%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	94975	5.0000	µg/L	2.189

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.49%		
13C8-PFOS	7.756	507.0 -> 80.0	26666	2.5000	µg/L	7.767
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.92%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79709	5.0000	µg/L	6.934
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.92%		
13C7-PFUnDA	8.011	570.0 -> 525.0	119889	1.2500	µg/L	3.923
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.80%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	103629	1.2500	µg/L	4.672
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.41%		
13C2-PFDoDA	8.424	615.0 -> 570.0	104834	1.2500	µg/L	4.572
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.32%		
13C2-PFTDA	9.197	715.0 -> 670.0	102424	1.2500	µg/L	4.774
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.51%		
13C8-PFOSA	9.897	506.0 -> 78.0	56097	2.5000	µg/L	2.565
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.90%		
2H7-MeFOSE	11.052	623.1 -> 59.0	293906	25.0000	µg/L	6.988
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.20%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18765	2.5000	µg/L	2.244
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.54%		
2H9-EtFOSE	11.420	639.1 -> 59.0	294209	25.0000	µg/L	7.073
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.26%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	21275	2.5000	µg/L	5.339
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.51%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	697658	19.3770	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.88%		
PFMPA	3.794	229.0 -> 85.0	258916	9.6058	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.06%		
3-3 FTCA	4.042	241.0 -> 177.0	25511	18.0371	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 90.19%		
PFPeA	4.596	263.0 -> 219.0	546658	9.6111	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.11%		
PFMBA	4.910	279.0 -> 85.0	354885	9.7436	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.44%		
4-2 FTSA	5.239	327.0 -> 307.0	224688	18.4200	µg/L	96
Spiked Amount: 18.750	Range: 70 - 130%			Recovery = 98.24%		
NFDHA	5.402	295.0 -> 201.0	28711	9.5999	µg/L	88
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.00%		
PFHxA	5.480	313.0 -> 269.0	381965	4.8645	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.29%		
PFBS	5.495	298.9 -> 80.0	89687	4.3863	µg/L	97
Spiked Amount: 4.435	Range: 70 - 130%			Recovery = 98.90%		
HFPO-DA	5.736	285.0 -> 169.0	230165	9.7473	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.47%		
PFEESA	5.860	314.9 -> 135.0	516976	8.9642	µg/L	98
Spiked Amount: 8.900	Range: 70 - 130%			Recovery = 100.72%		
5-3 FTCA	6.132	341.0 -> 237.0	638698	93.8029	µg/L	99
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 93.80%		
PFHpA	6.142	363.0 -> 319.0	436260	4.8870	µg/L	98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.74%		
PFPeS	6.240	348.9 -> 80.0	64823	4.6674	µg/L	99
Spiked Amount: 4.705	Range: 70 - 130%			Recovery = 99.20%		
DONA	6.333	377.0 -> 251.0	1004530	9.2340	µg/L	98
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 97.71%		

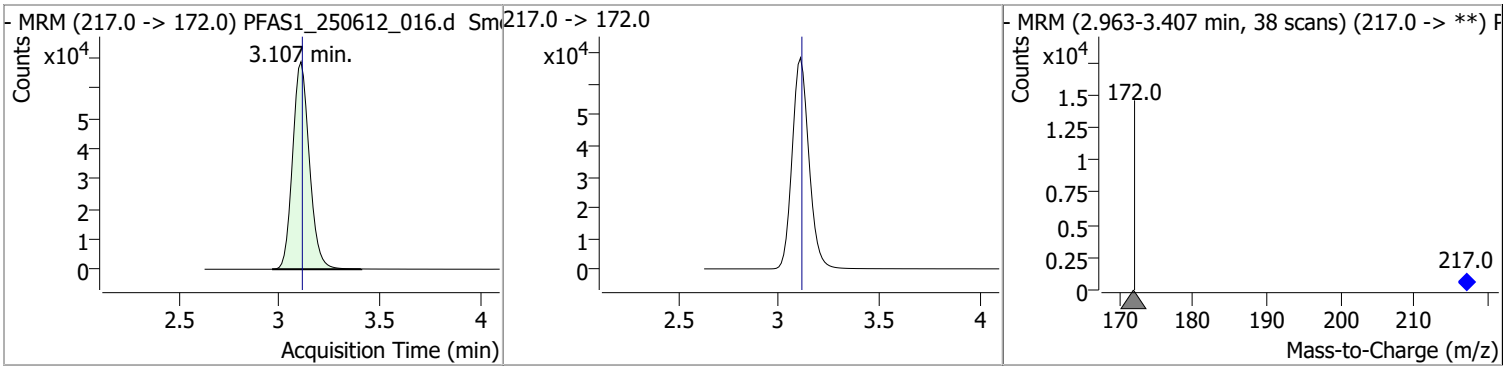
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	200255	19.0379	µg/L	98
Spiked Amount: 19.000	Range: 70 - 130%			Recovery = 100.20%		
PFOA	6.663	413.0 -> 369.0	450614	4.8000	µg/L	97
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.00%		
PFHxS	6.810	398.9 -> 80.0	51440	4.4520	µg/L	98
Spiked Amount: 4.570	Range: 70 - 130%			Recovery = 97.42%		
PFNA	7.138	463.0 -> 419.0	472980	4.8845	µg/L	97
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.69%		
PFHpS	7.295	448.9 -> 80.0	50566	4.6292	µg/L	97
Spiked Amount: 4.765	Range: 70 - 130%			Recovery = 97.15%		
8-2 FTSA	7.373	527.0 -> 507.0	185649	20.4518	µg/L	97
Spiked Amount: 19.200	Range: 70 - 130%			Recovery = 106.52%		
7-3 FTCA	7.474	441.0 -> 317.0	688702	91.5448	µg/L	99
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 91.54%		
PFDA	7.576	513.0 -> 469.0	514191	4.8369	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.74%		
N-MeFOSAA	7.704	570.0 -> 419.0	83499	4.9916	µg/L	98
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.83%		
PFOS	7.758	498.9 -> 80.0	54566	4.5583	µg/L	94
Spiked Amount: 4.640	Range: 70 - 130%			Recovery = 98.24%		
N-EtFOSAA	7.939	584.0 -> 419.0	71806	4.6725	µg/L	95
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.45%		
PFUnDA	8.012	563.0 -> 519.0	467267	4.9286	µg/L	97
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.57%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	715015	9.4494	µg/L	97
Spiked Amount: 9.350	Range: 70 - 130%			Recovery = 101.06%		
PFNS	8.192	548.9 -> 80.0	53647	4.7728	µg/L	99
Spiked Amount: 4.810	Range: 70 - 130%			Recovery = 99.23%		
PFDoDA	8.424	613.0 -> 569.0	404613	4.9099	µg/L	96
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.20%		
PFDS	8.618	598.9 -> 80.0	43524	4.7140	µg/L	98
Spiked Amount: 4.825	Range: 70 - 130%			Recovery = 97.70%		
PFTrDA	8.829	663.0 -> 619.0	407612	4.9631	µg/L	95
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.26%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	499558	9.5348	µg/L	100
Spiked Amount: 9.450	Range: 70 - 130%			Recovery = 100.90%		
PFTDA	9.198	712.9 -> 669.0	392269	4.9987	µg/L	95
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.97%		
PFDoS	9.356	698.9 -> 80.0	29033	4.7813	µg/L	96
Spiked Amount: 4.850	Range: 70 - 130%			Recovery = 98.58%		
PFOSA	9.900	497.9 -> 78.0	103212	4.9720	µg/L	100
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.44%		
MeFOSE	11.077	616.0 -> 59.0	577534	51.2806	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 102.56%		
N-MeFOSA	11.191	512.0 -> 219.0	36424	4.9402	µg/L	99
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.80%		
EtFOSE	11.457	630.0 -> 59.0	572391	52.2374	µg/L	100
Spiked Amount: 50.000	Range: 70 - 130%			Recovery = 104.47%		
N-EtFOSA	11.569	526.0 -> 219.0	43711	4.8634	µg/L	94
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.27%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

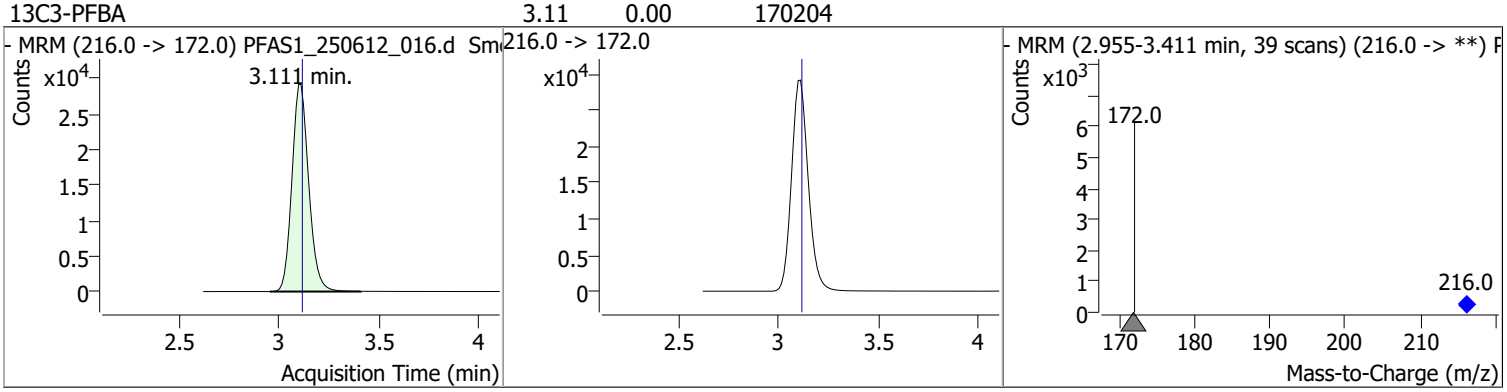
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	19.3770	3.10	0.00	697658				



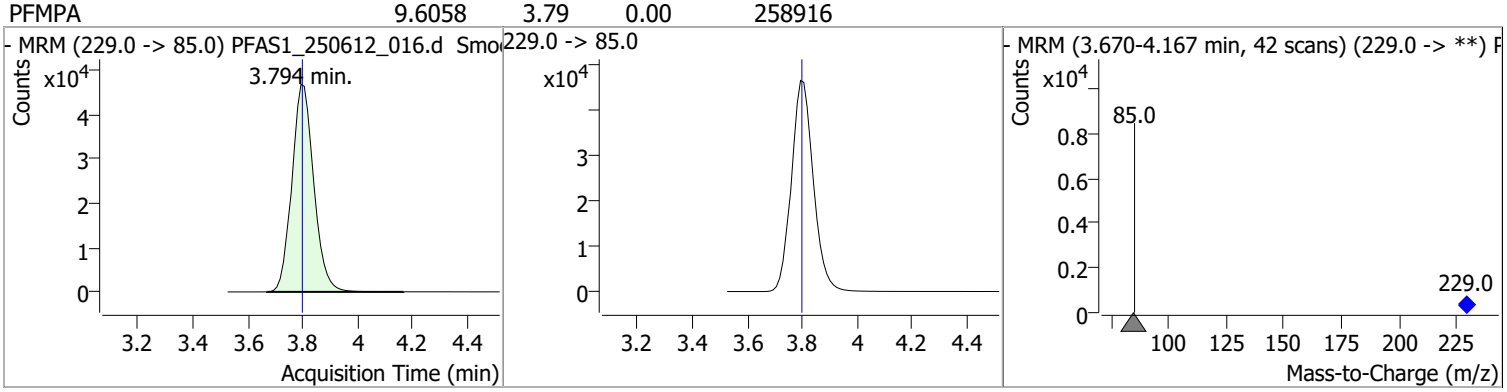
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0944	3.11	0.00	396679				



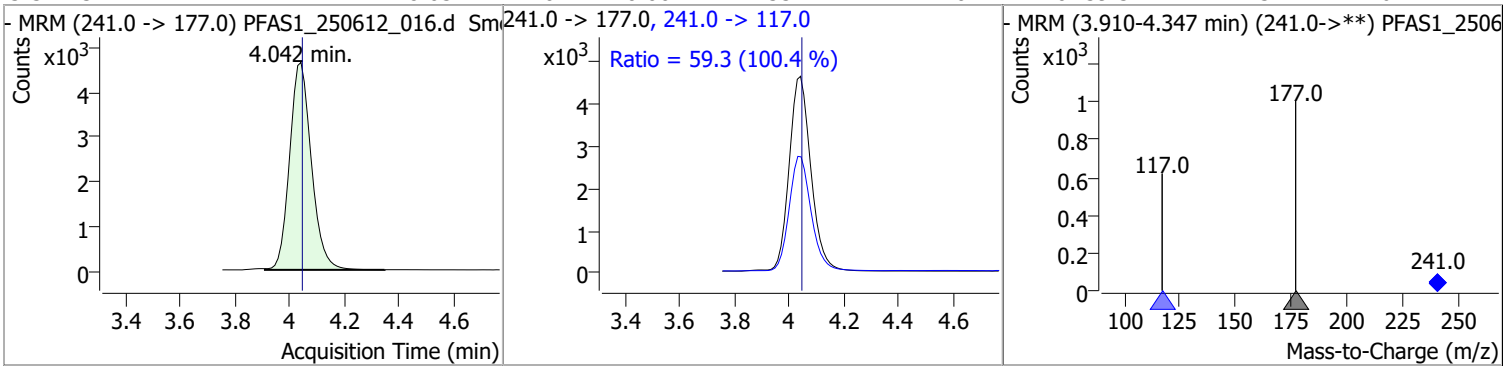
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.00	170204				



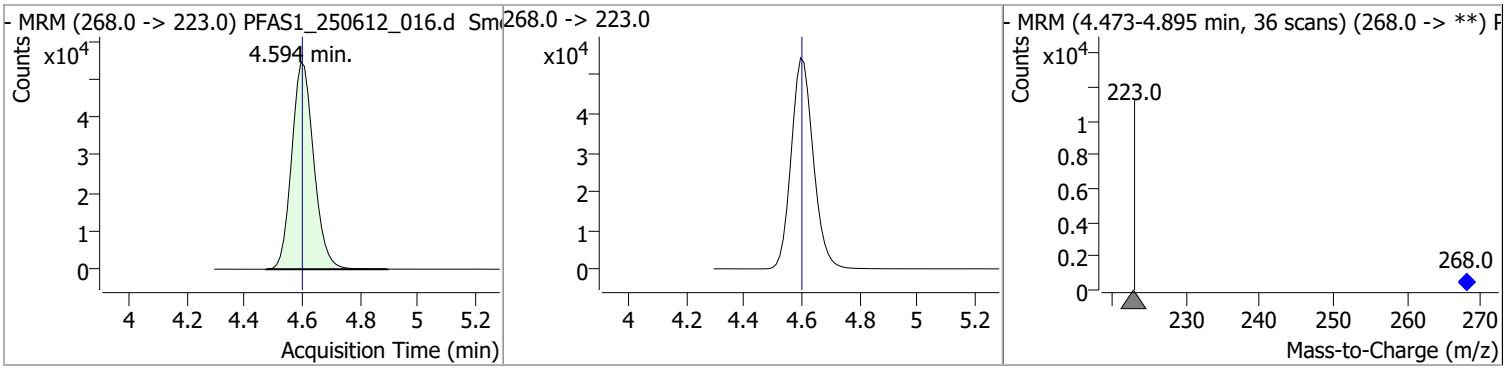
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	9.6058	3.79	0.00	258916				



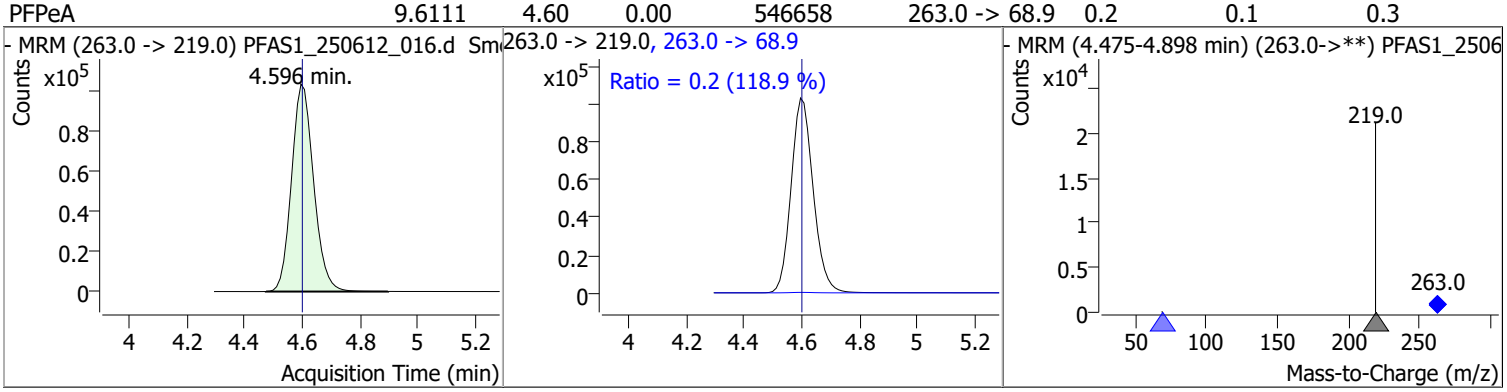
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	18.0371	4.04	0.00	25511	241.0 -> 117.0	59.3	41.3	76.7



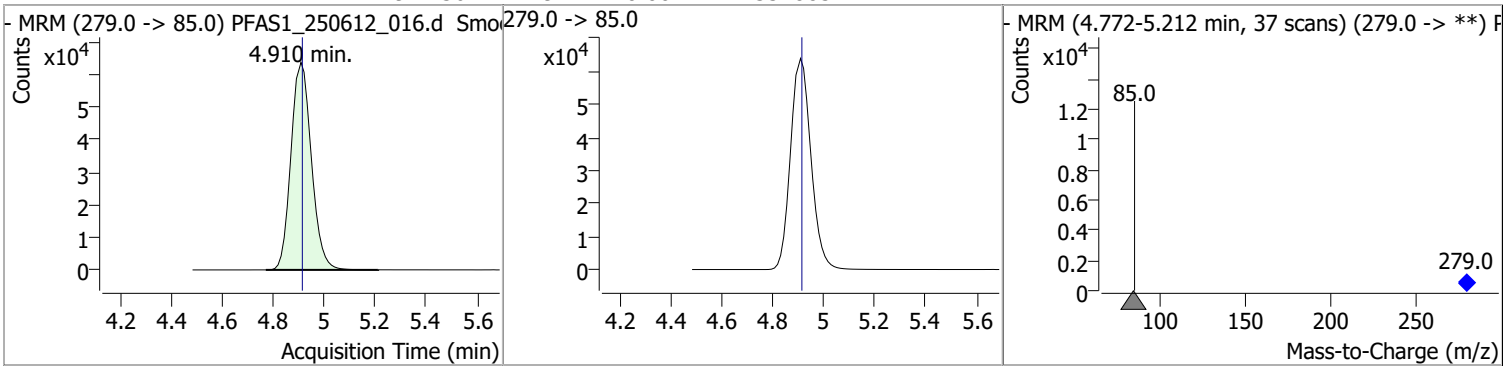
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.1349	4.59	0.00	288957				



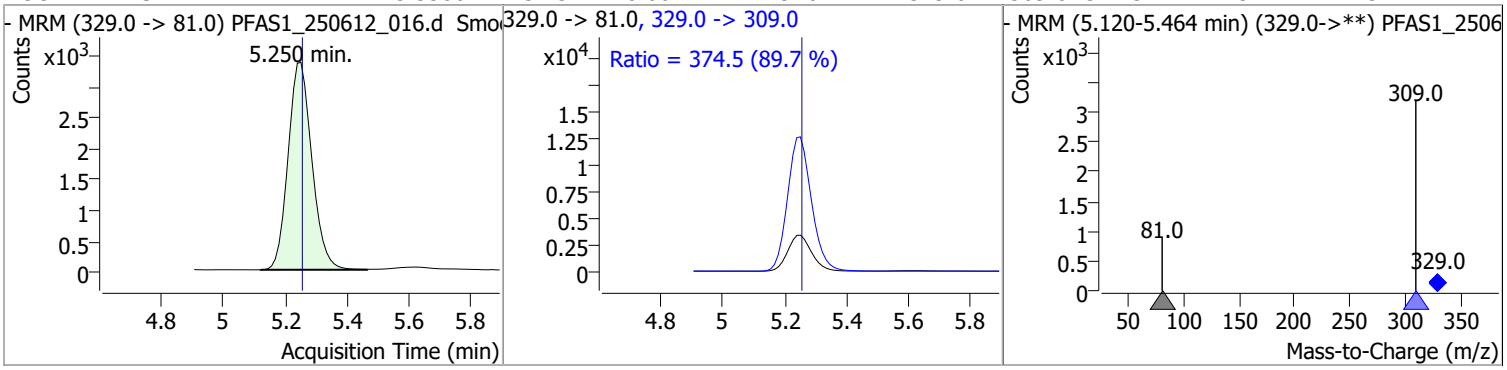
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	9.6111	4.60	0.00	546658	263.0 -> 68.9	0.2	0.1	0.3



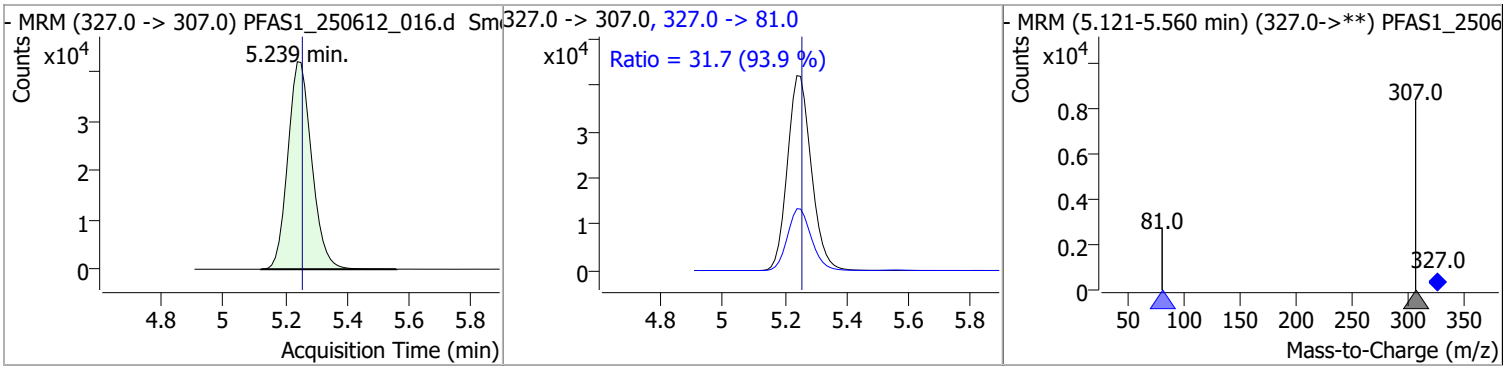
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	9.7436	4.91	0.00	354885				



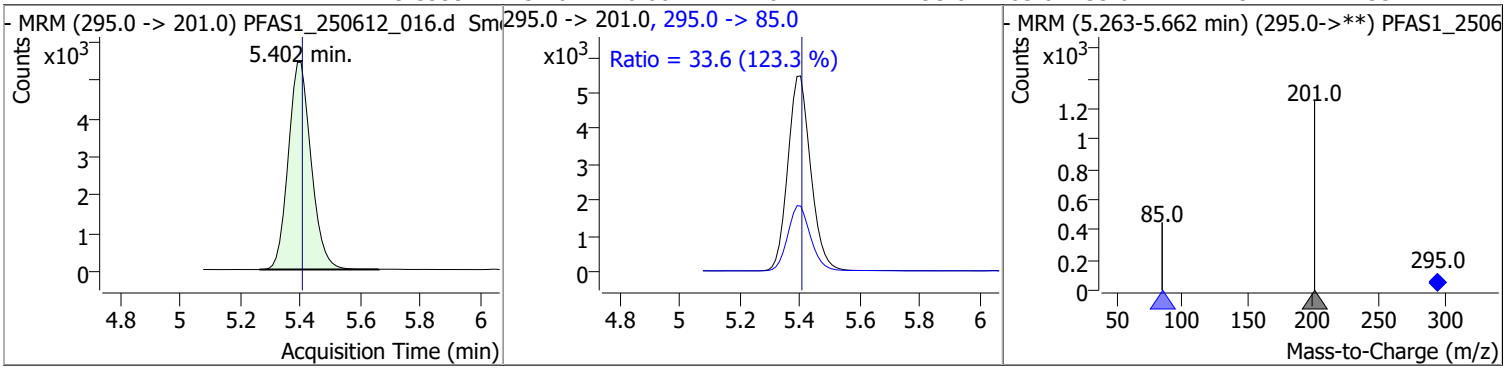
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.3580	5.25	0.00	17910	329.0 -> 309.0	374.5	292.1	542.4



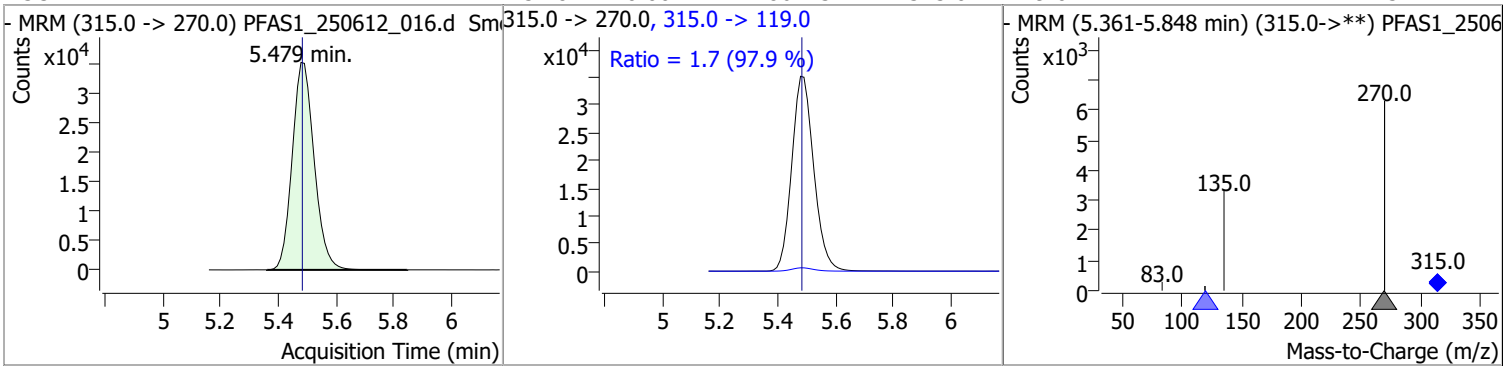
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	18.4200	5.24	-0.01	224688	327.0 -> 81.0	31.7	23.6	43.9



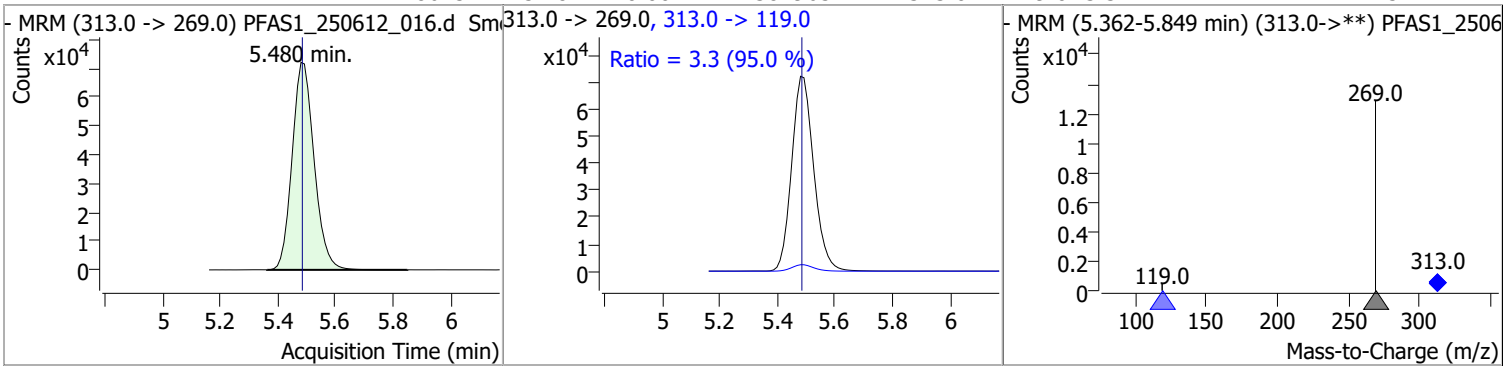
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	9.5999	5.40	0.00	28711	295.0 -> 85.0	33.6	19.1	35.4



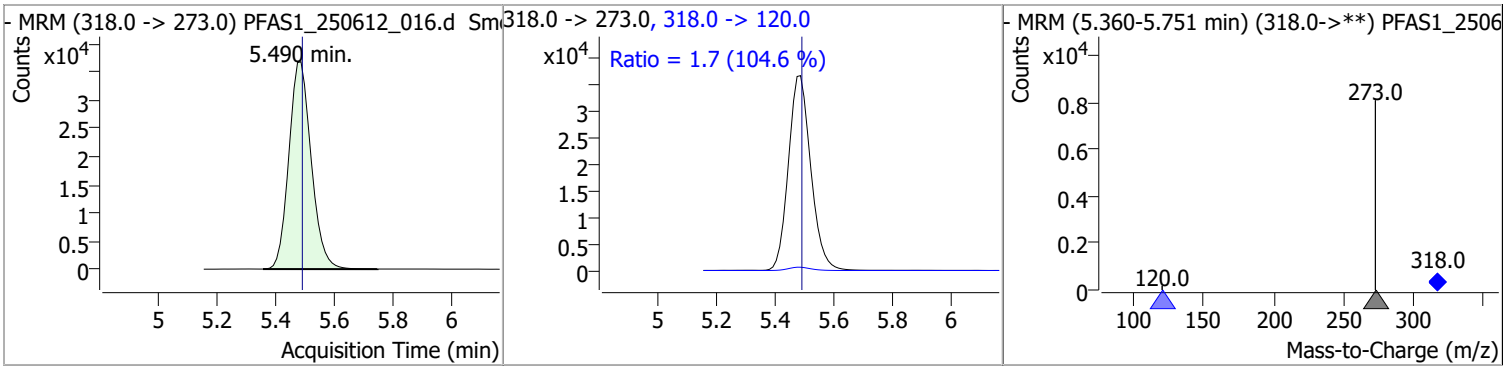
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	186423	315.0 -> 119.0	1.7	1.2	2.3



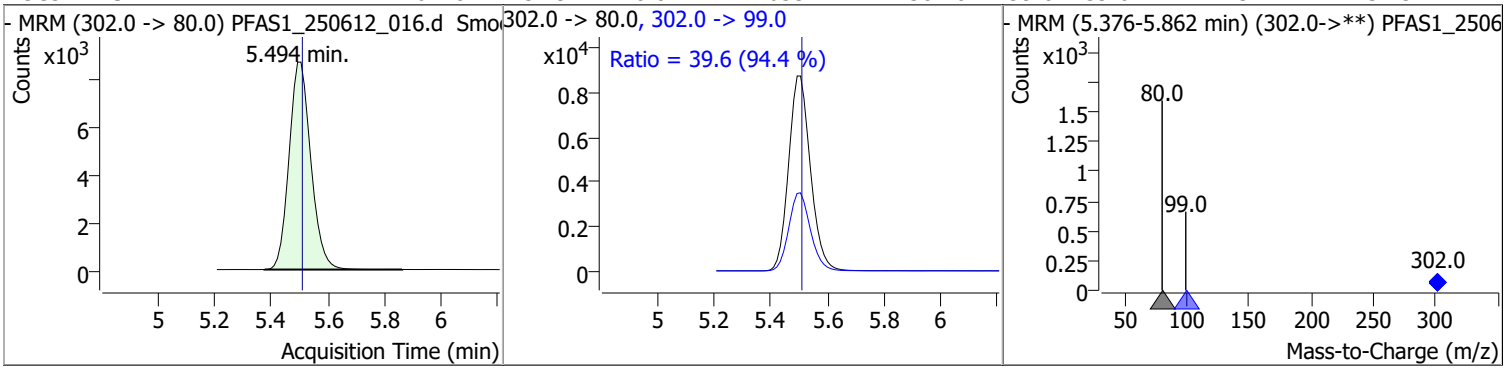
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	4.8645	5.48	0.00	381965	313.0 -> 119.0	3.3	2.4	4.5



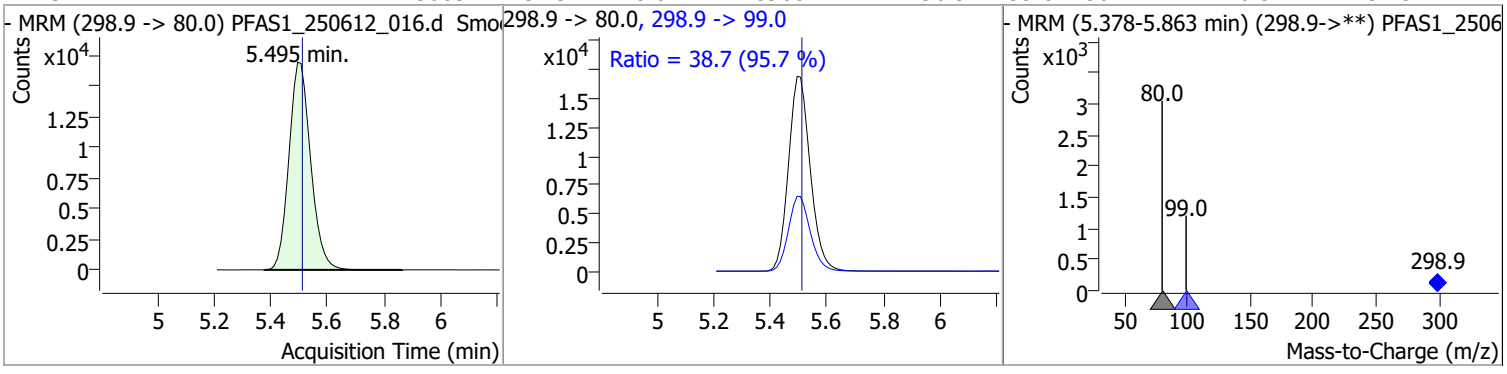
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5339	5.49	0.00	194610	318.0 -> 120.0	1.7	1.1	2.1



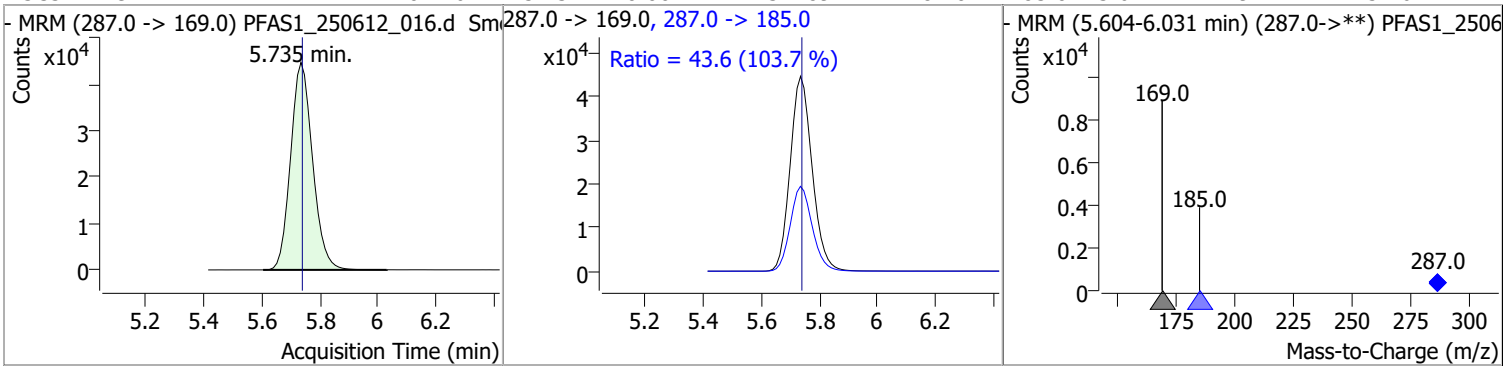
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6128	5.49	-0.01	46352	302.0 -> 99.0	39.6	29.4	54.5



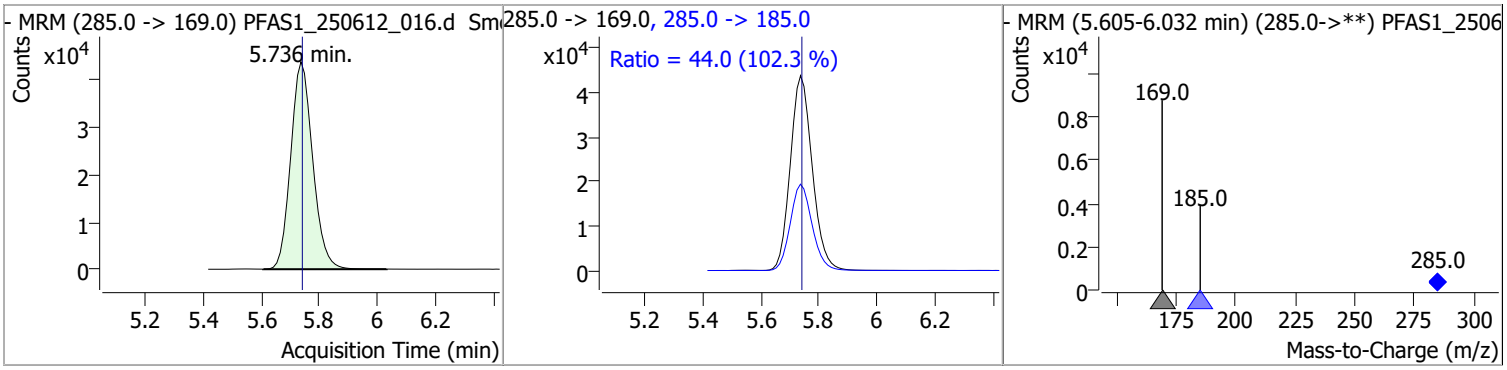
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	4.3863	5.49	-0.01	89687	298.9 -> 99.0	38.7	28.3	52.5



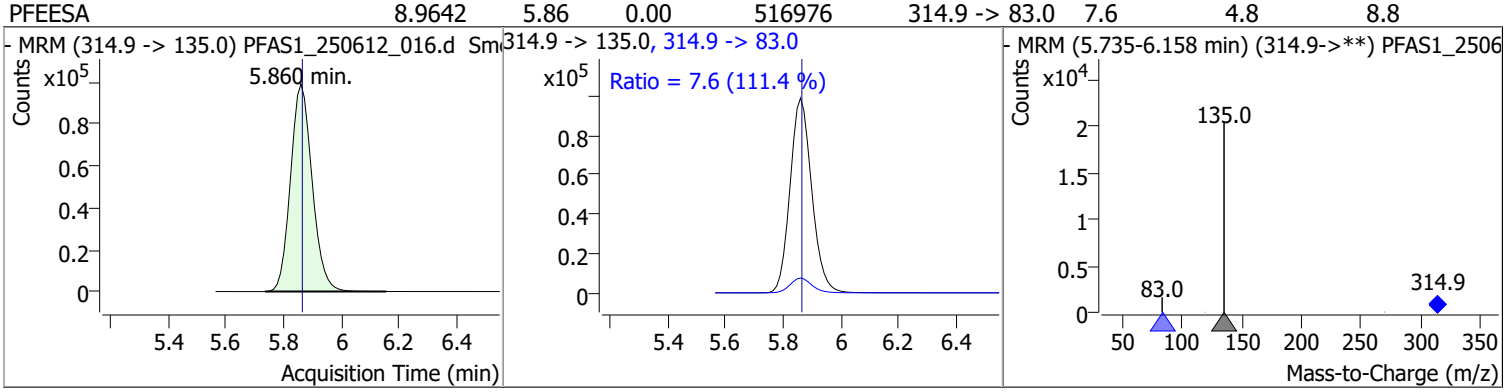
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.1261	5.73	0.00	234489	287.0 -> 185.0	43.6	29.4	54.6



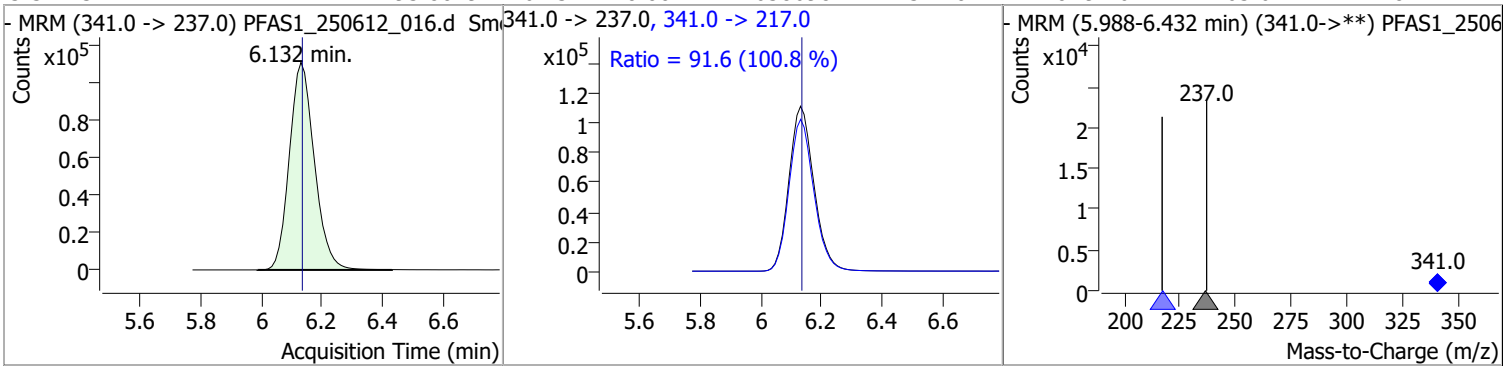
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	9.7473	5.74	0.00	230165	285.0 -> 185.0	44.0	30.1	56.0



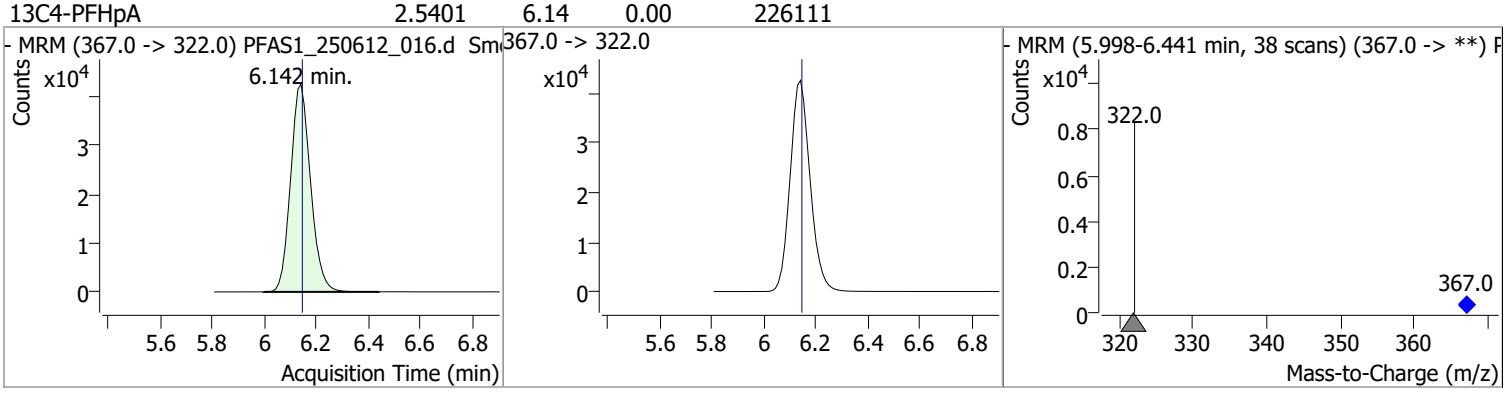
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	8.9642	5.86	0.00	516976	314.9 -> 83.0	7.6	4.8	8.8



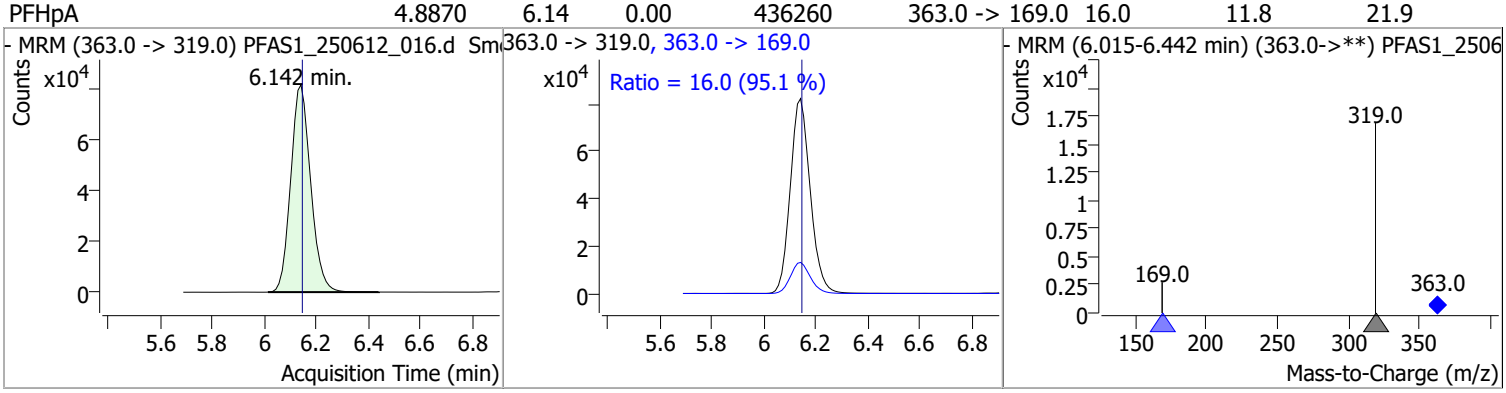
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	93.8029	6.13	0.00	638698	341.0 -> 217.0	91.6	63.6	118.1



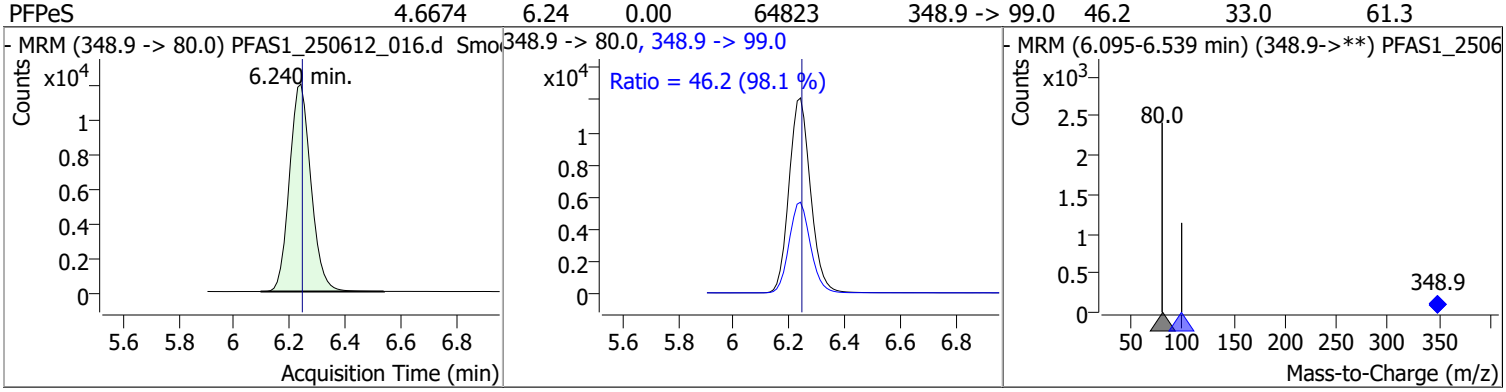
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5401	6.14	0.00	226111				



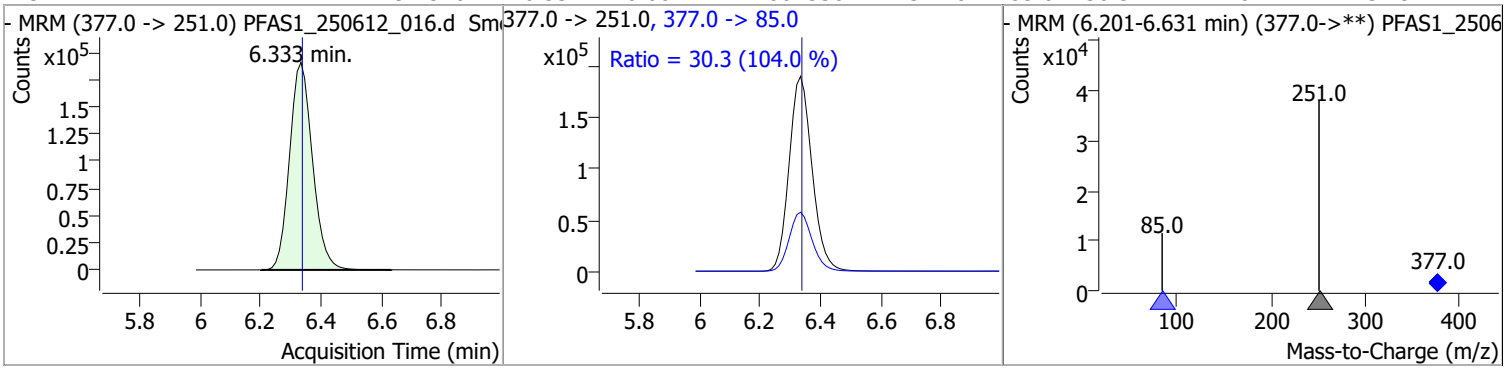
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	4.8870	6.14	0.00	436260	363.0 -> 169.0	16.0	11.8	21.9



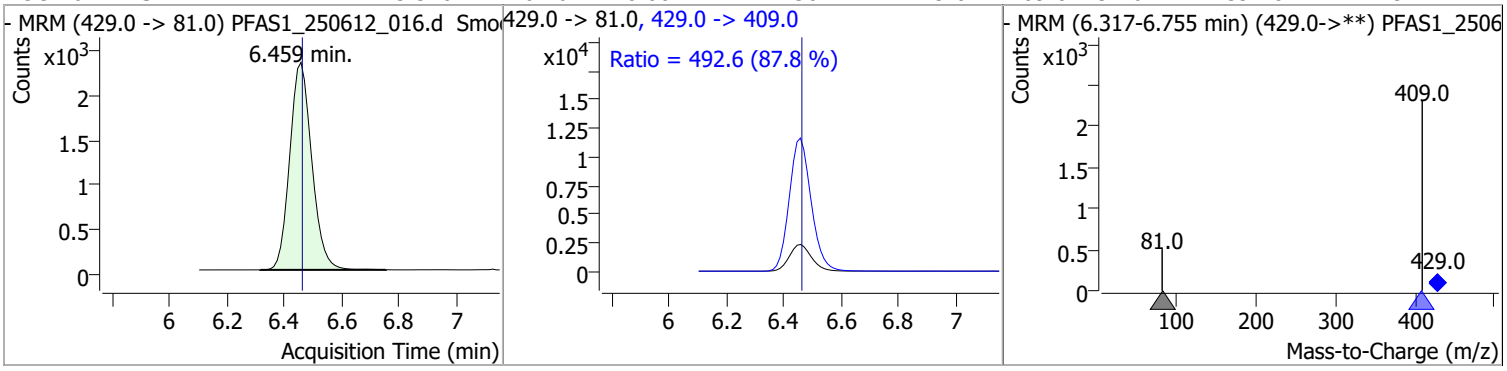
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	4.6674	6.24	0.00	64823	348.9 -> 99.0	46.2	33.0	61.3



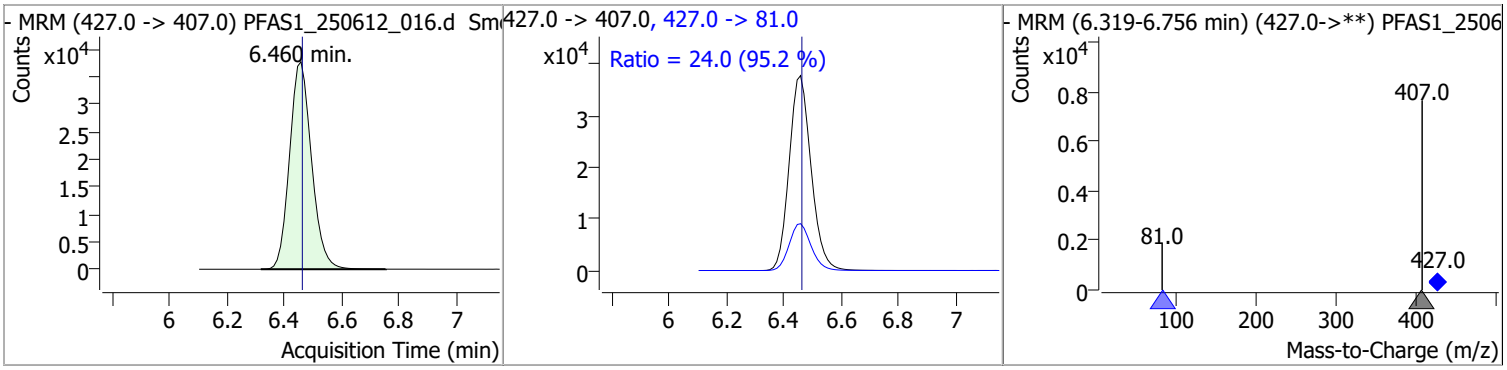
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	9.2340	6.33	0.00	1004530	377.0 -> 85.0	30.3	20.4	37.9



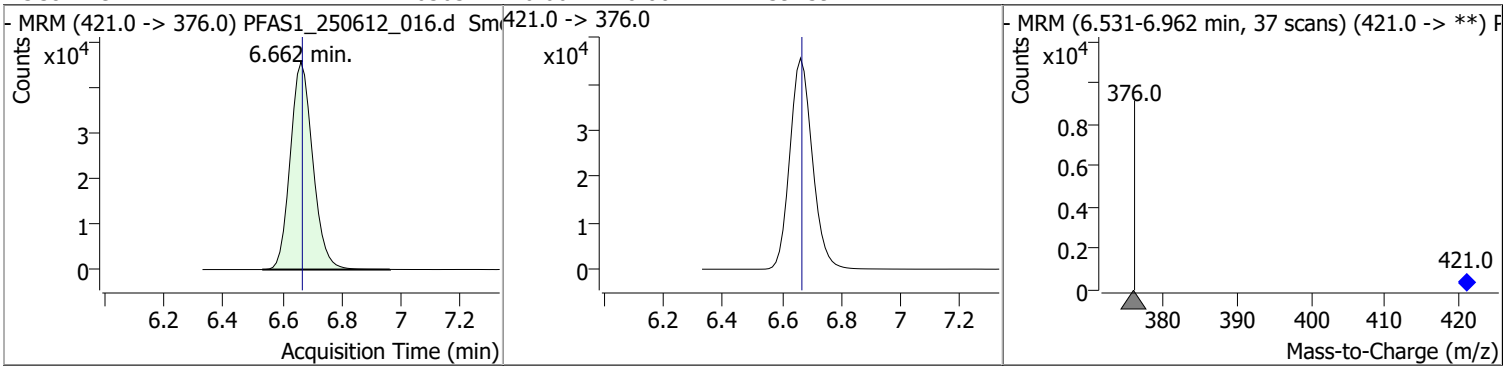
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.3104	6.46	0.00	12438	429.0 -> 409.0	492.6	392.8	729.4



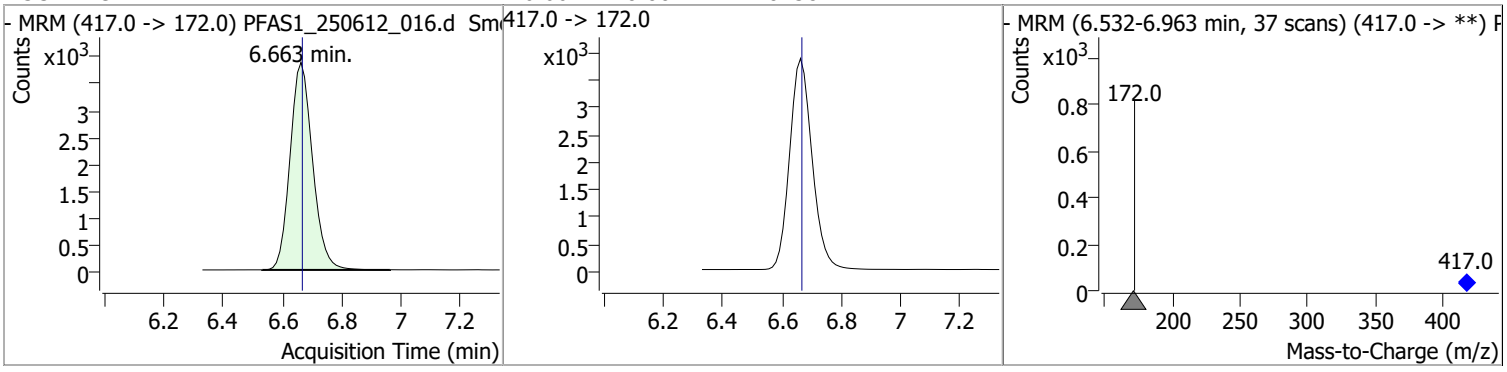
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	19.0379	6.46	0.00	200255	427.0 -> 81.0	24.0	17.7	32.8



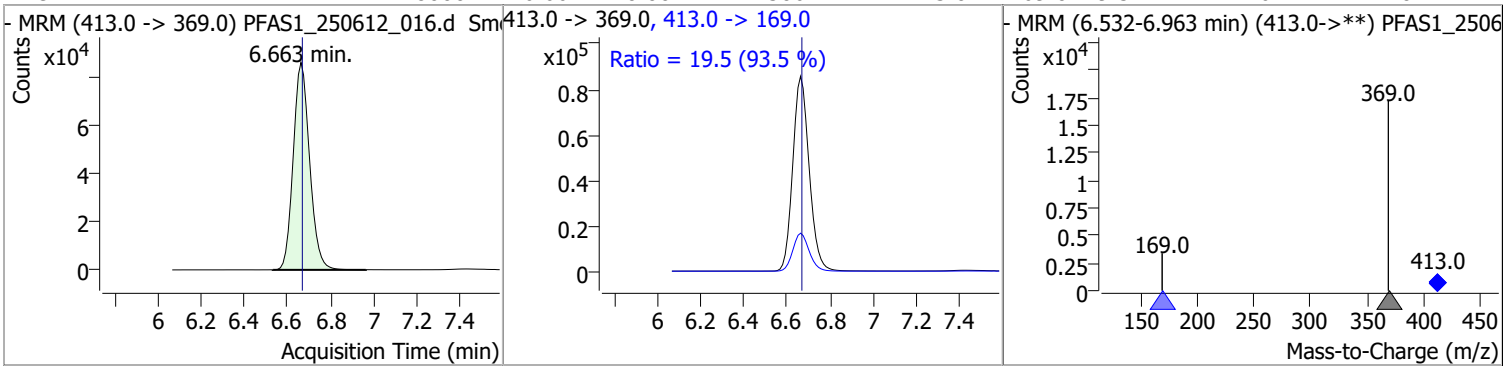
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6363	6.66	0.00	239159				



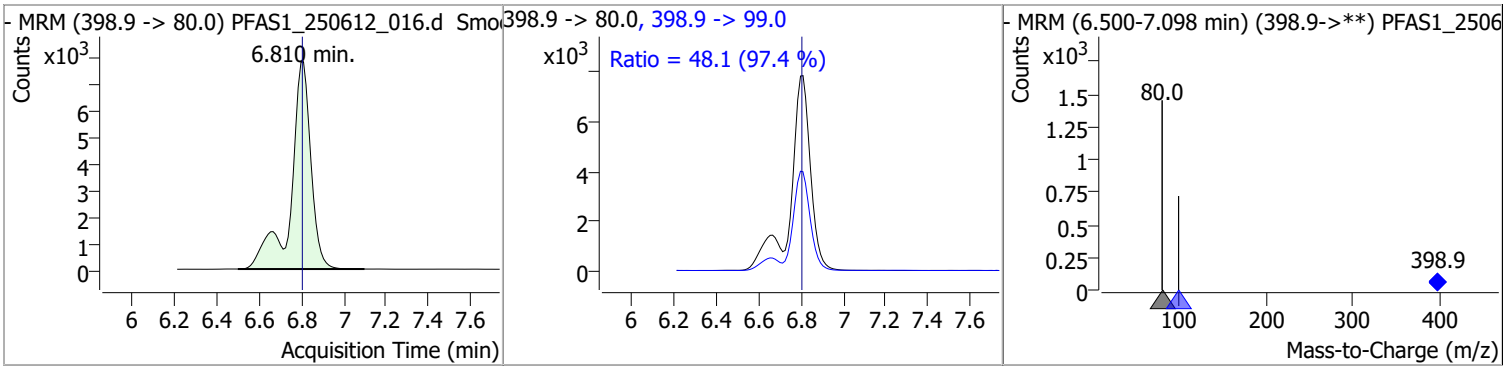
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	20258				



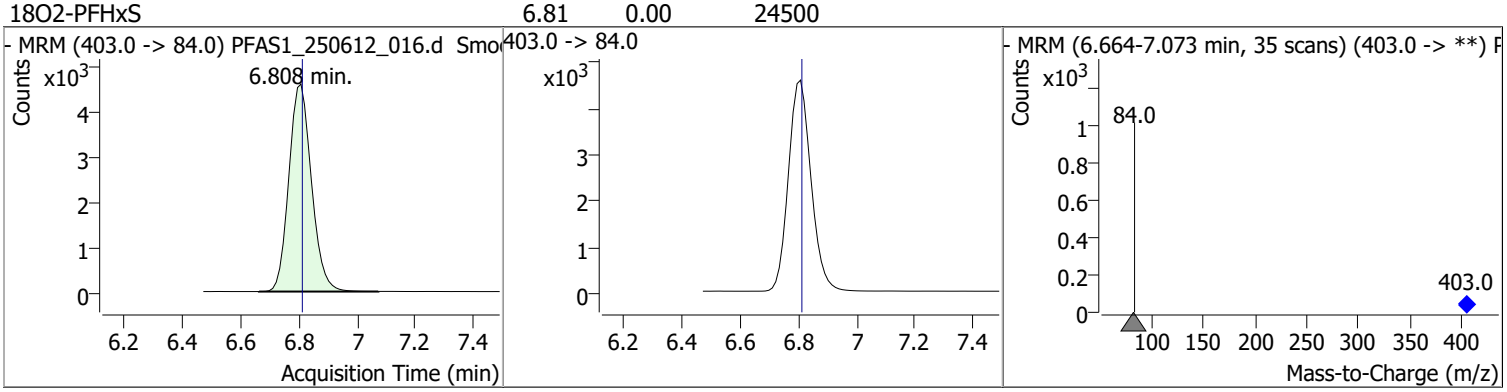
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	4.8000	6.66	0.00	450614	413.0 -> 169.0	19.5	14.6	27.0



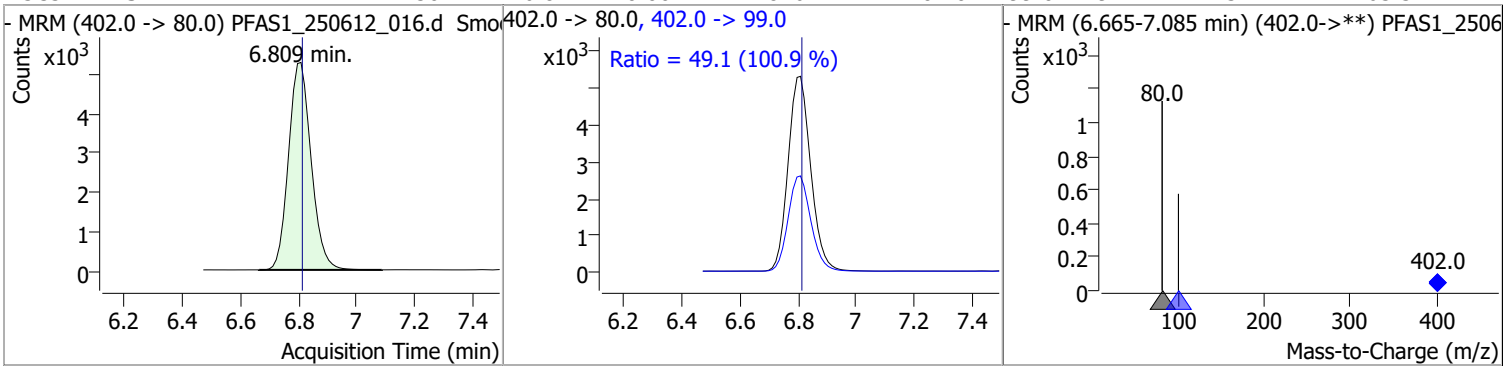
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	4.4520	6.81	0.01	51440	398.9 -> 99.0	48.1	34.6	64.2



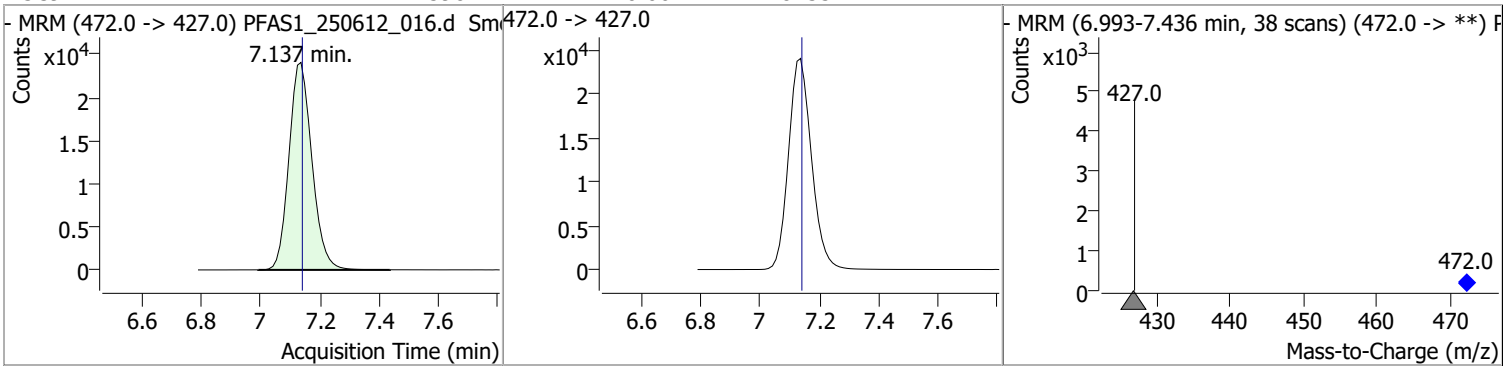
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24500				



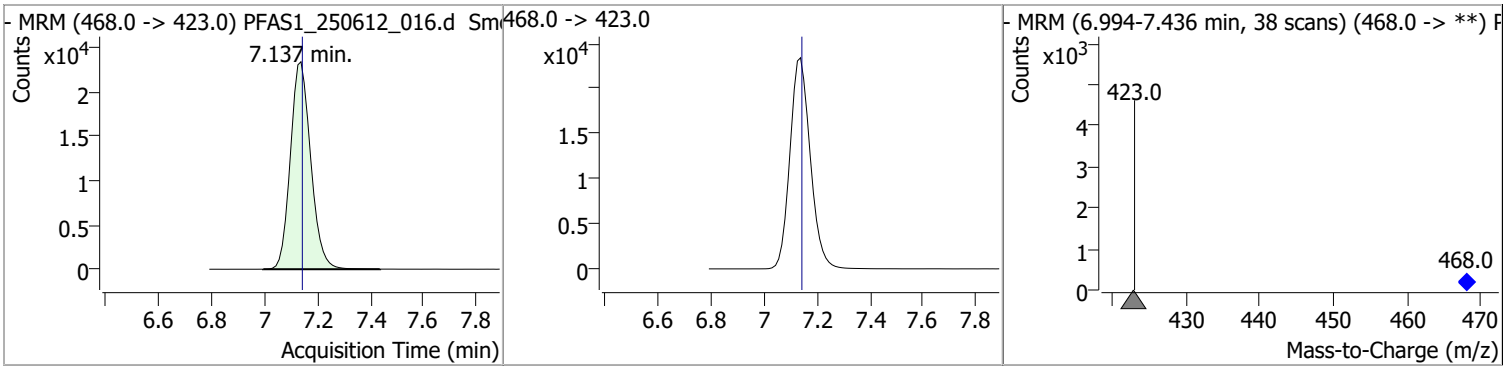
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5042	6.81	0.00	28164	402.0 -> 99.0	49.1	34.1	63.3



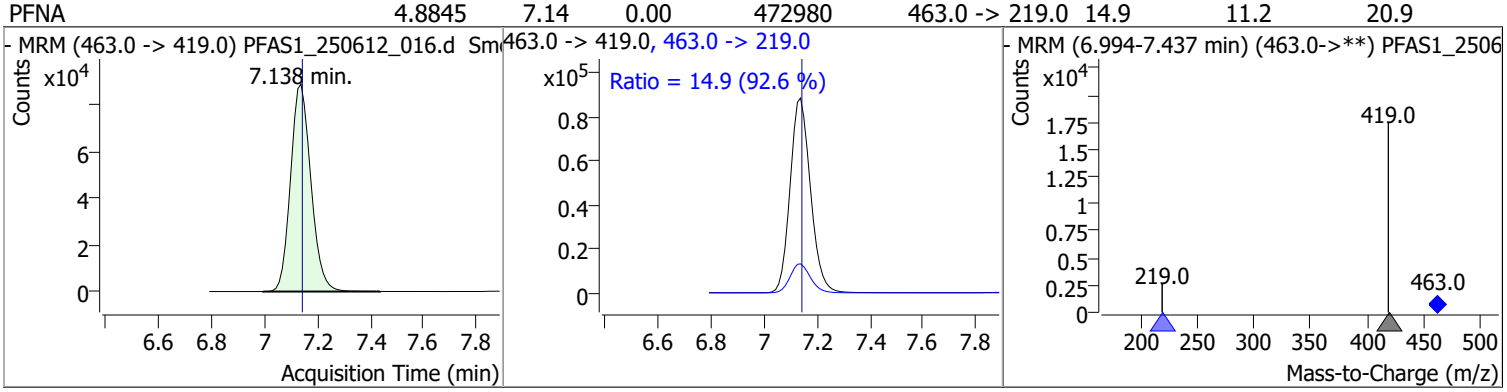
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2598	7.14	0.00	128735				



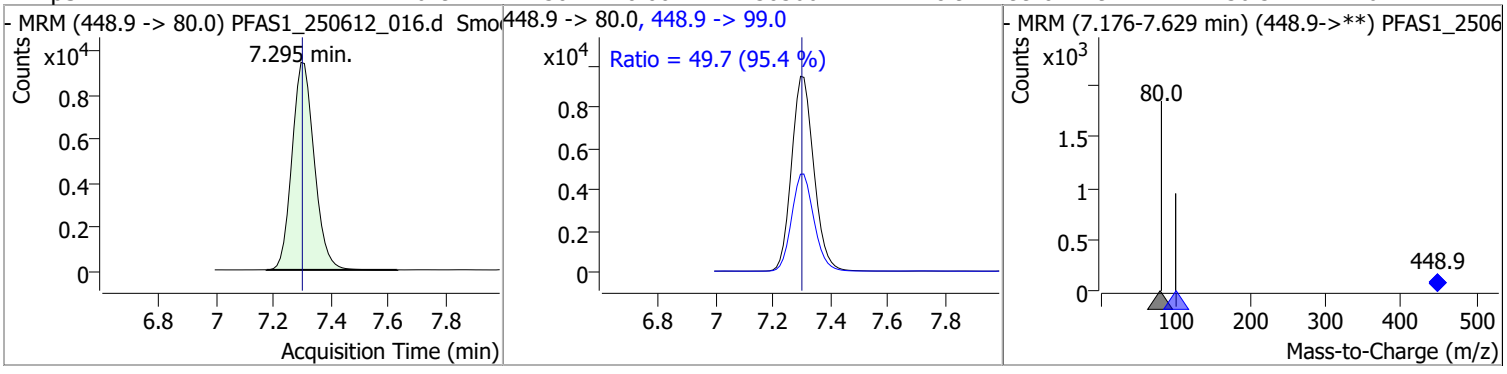
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	124624				



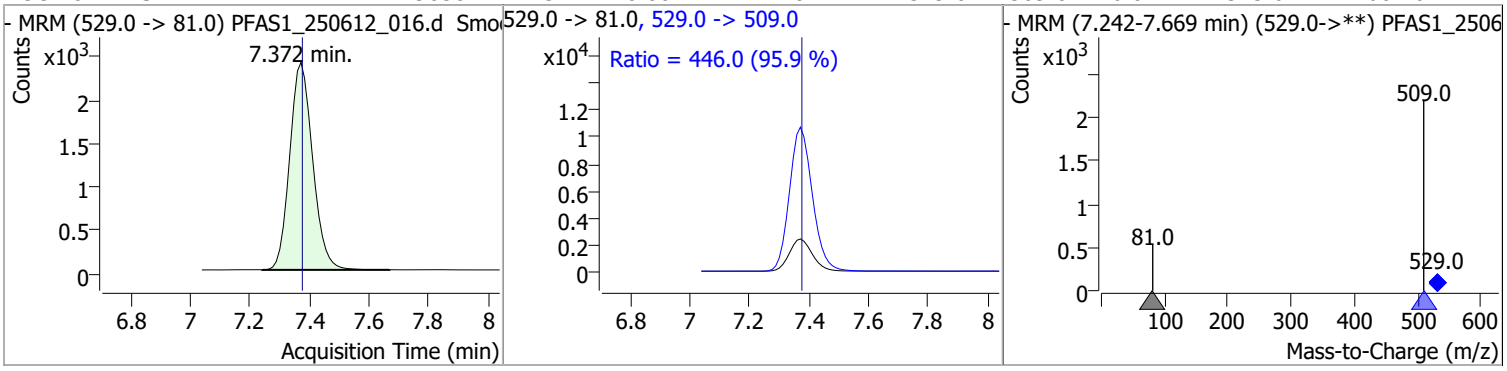
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	4.8845	7.14	0.00	472980	463.0 -> 219.0	14.9	11.2	20.9



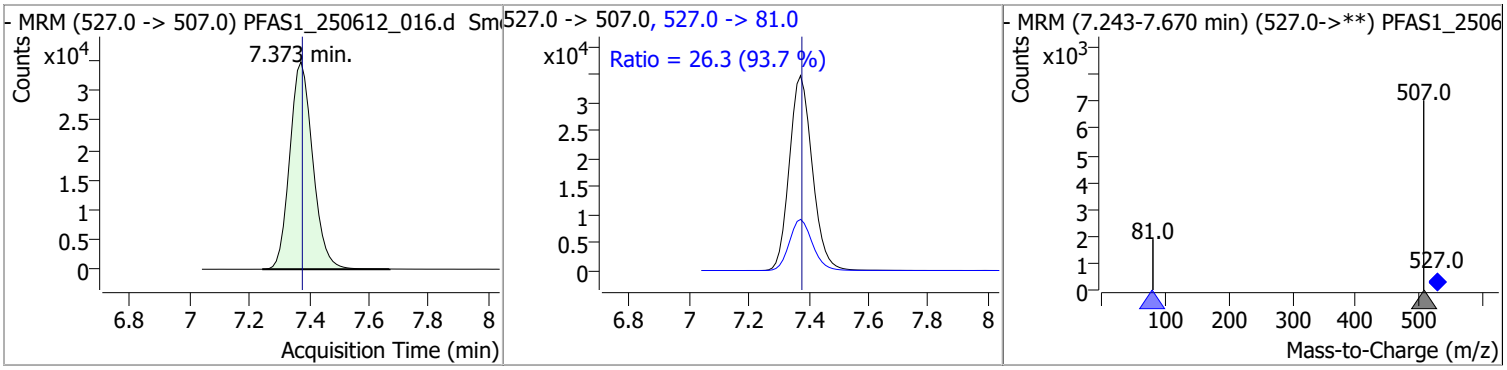
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	4.6292	7.30	0.00	50566	448.9 -> 99.0	49.7	36.5	67.7



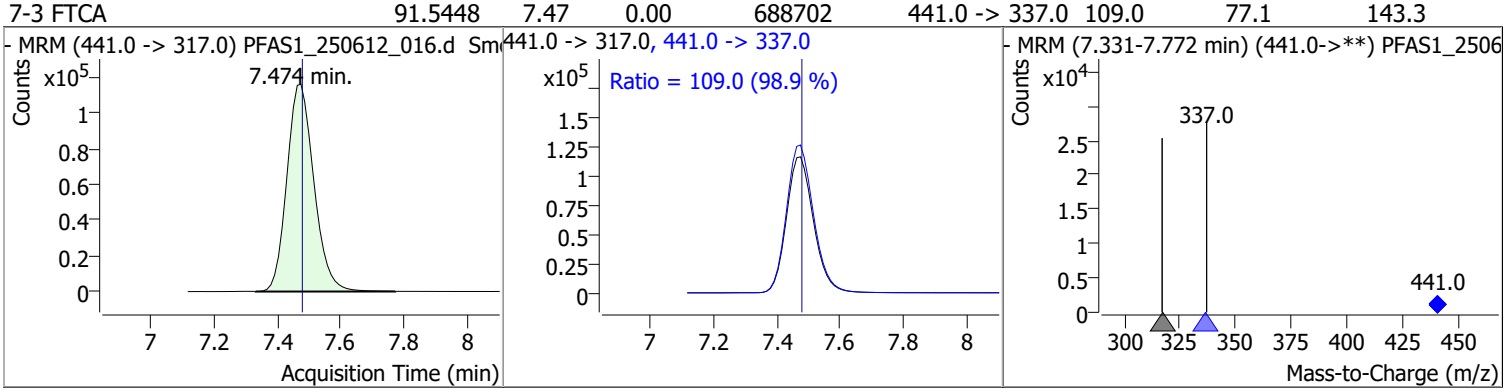
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9838	7.37	0.00	12782	529.0 -> 509.0	446.0	325.6	604.6



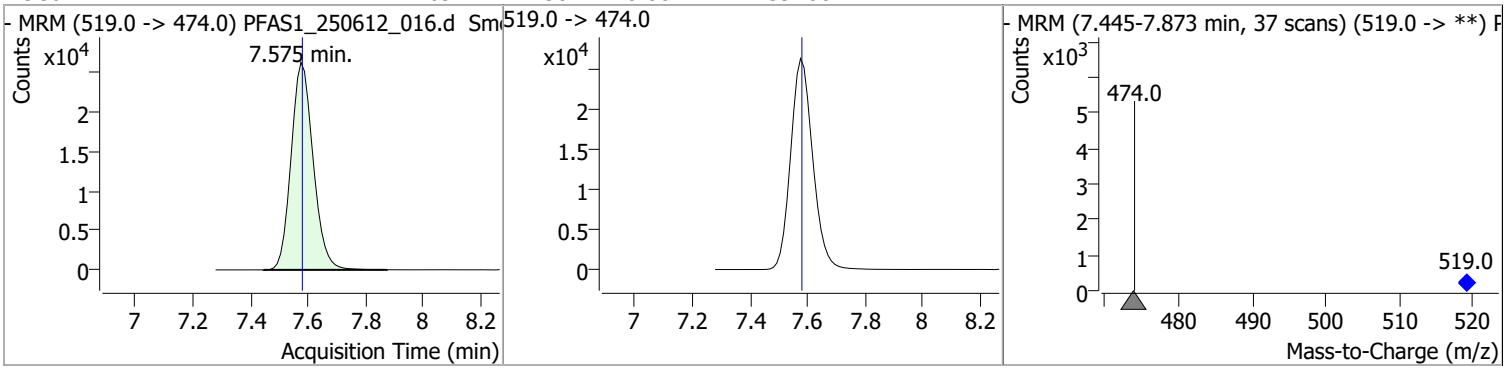
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	20.4518	7.37	0.00	185649	527.0 -> 81.0	26.3	19.7	36.6



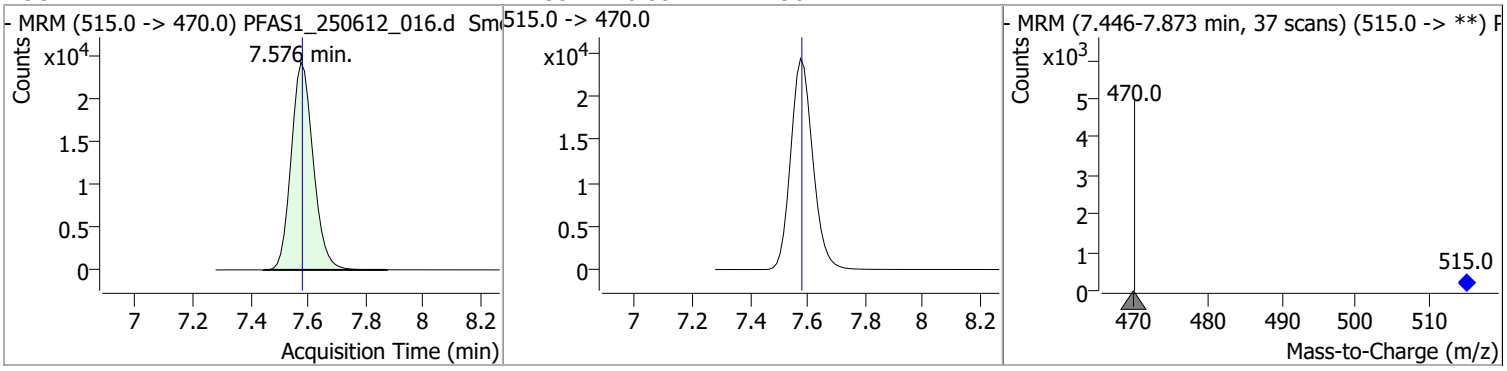
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	91.5448	7.47	0.00	688702	441.0 -> 337.0	109.0	77.1	143.3



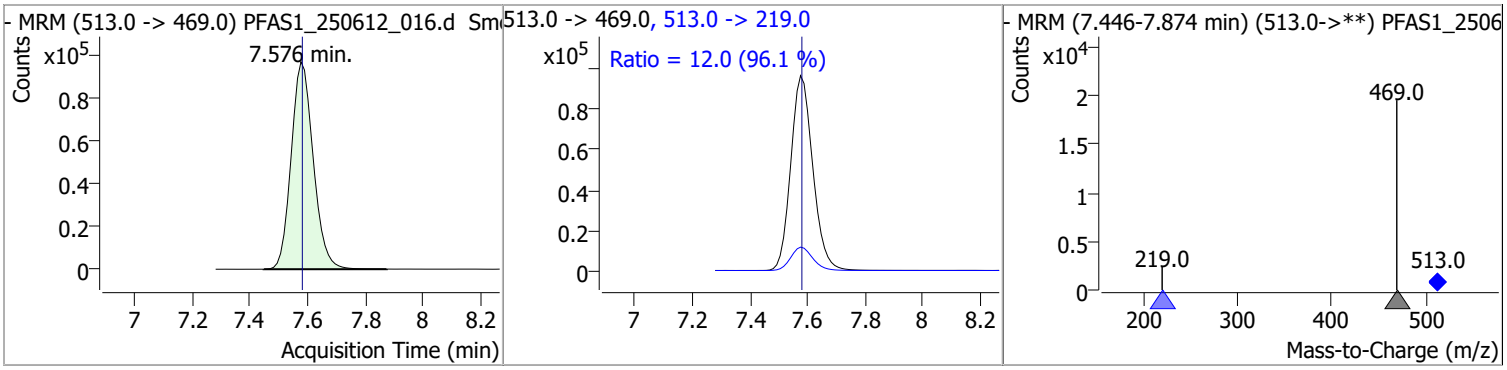
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2694	7.58	0.00	139108				



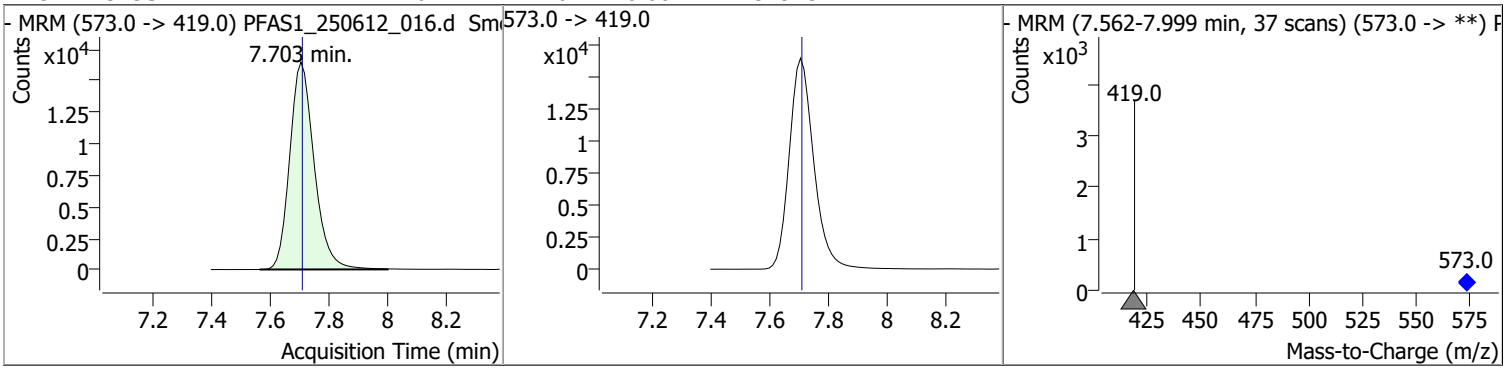
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	129047				



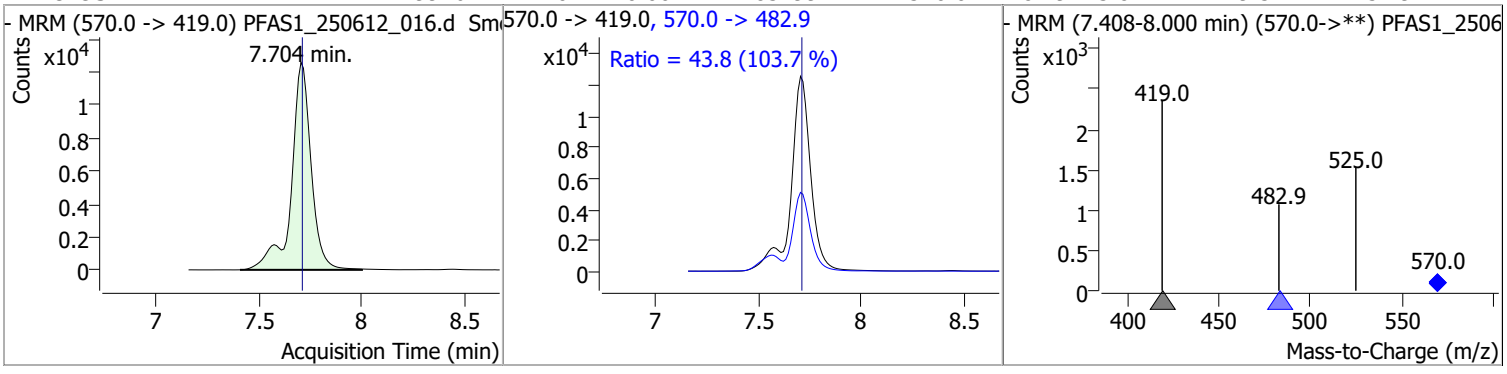
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	4.8369	7.58	0.00	514191	513.0 -> 219.0	12.0	8.7	16.2



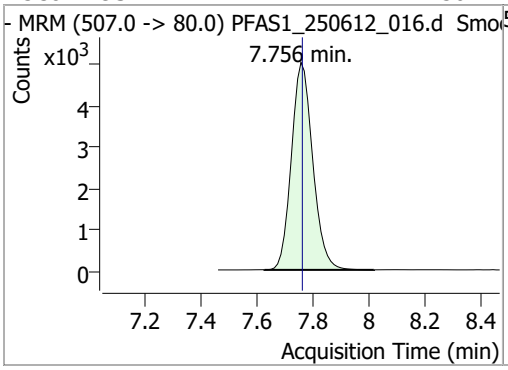
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.6747	7.70	0.00	94975				

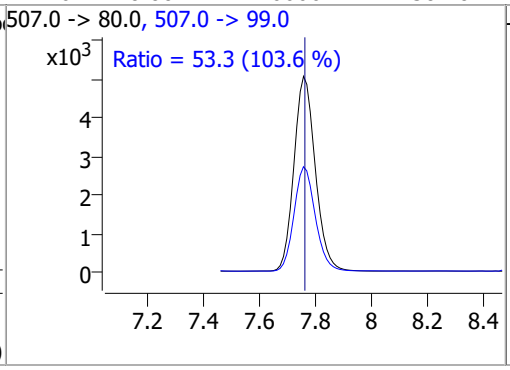


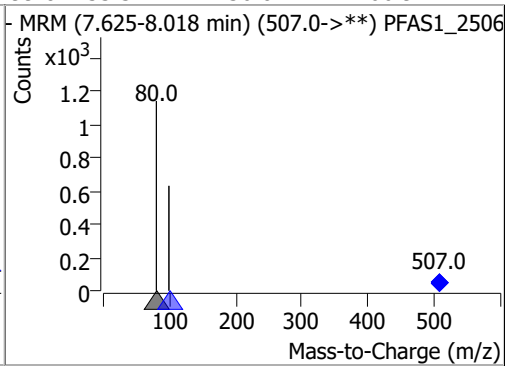
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	4.9916	7.70	0.00	83499	570.0 -> 482.9	43.8	29.5	54.9



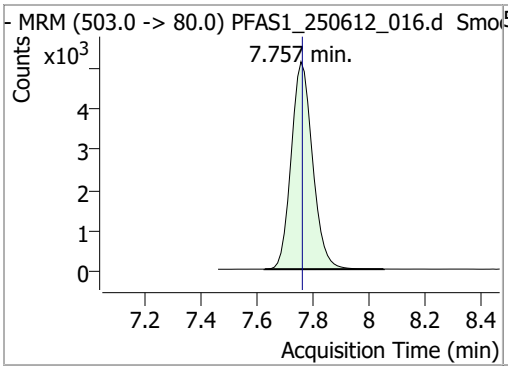
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4730	7.76	0.00	26666	507.0 -> 99.0	53.3	36.0	66.9

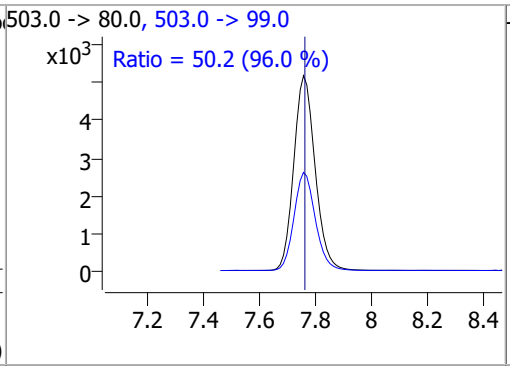


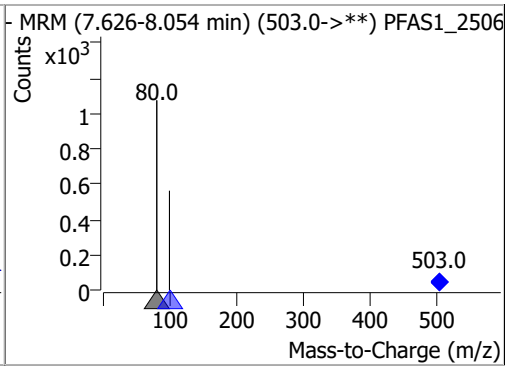




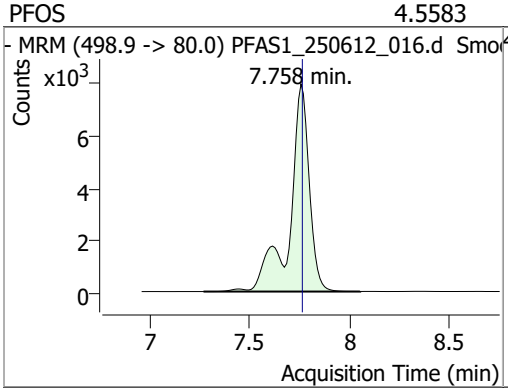
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	27210	503.0 -> 99.0	50.2	36.6	67.9

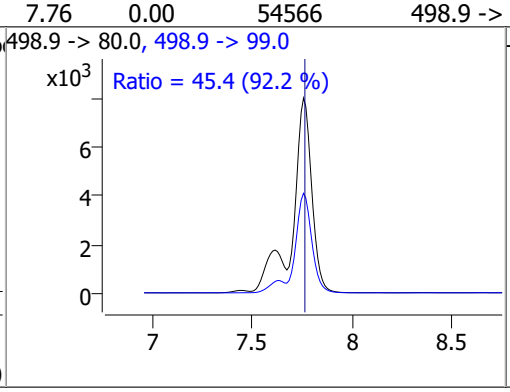


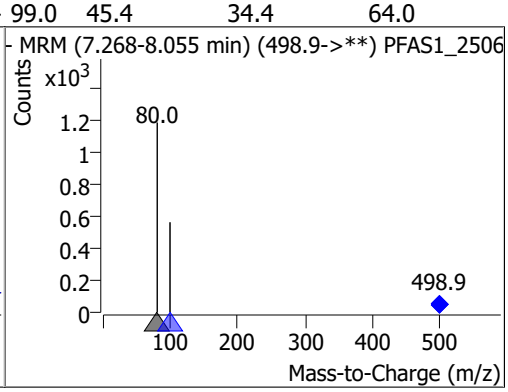




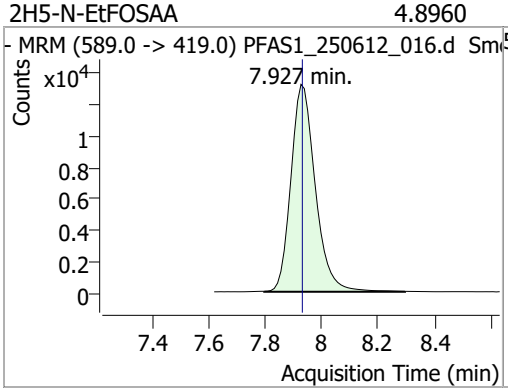
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	4.5583	7.76	0.00	54566	498.9 -> 99.0	45.4	34.4	64.0

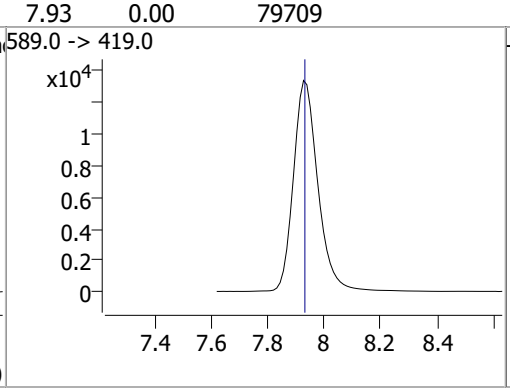


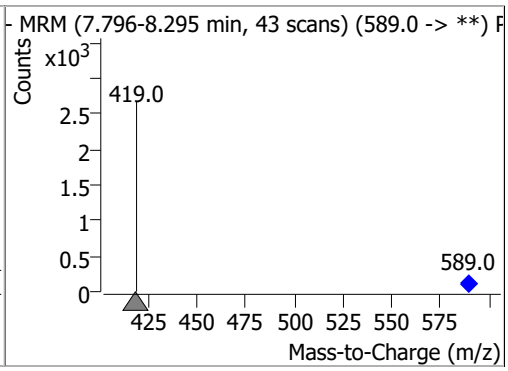




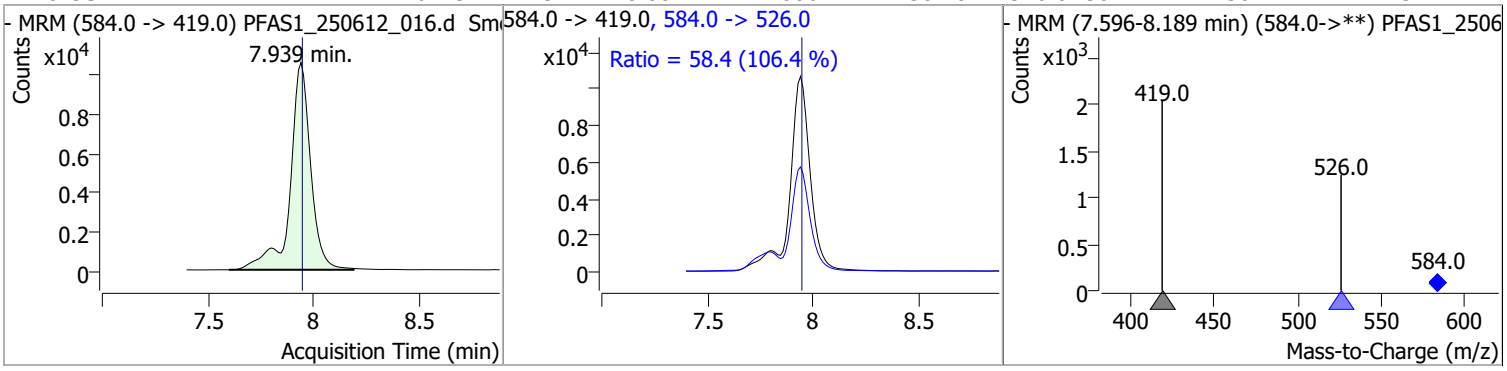
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8960	7.93	0.00	79709				



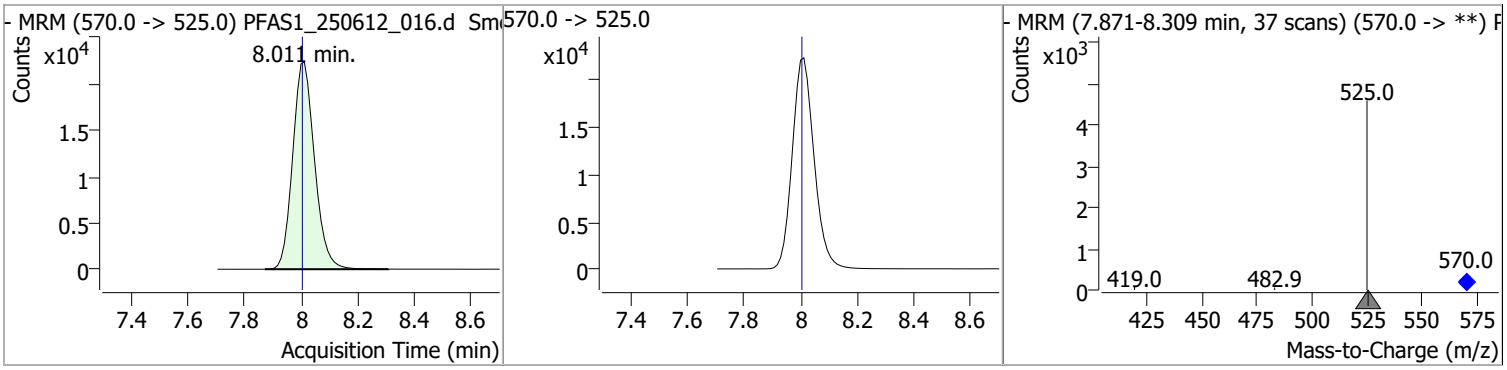




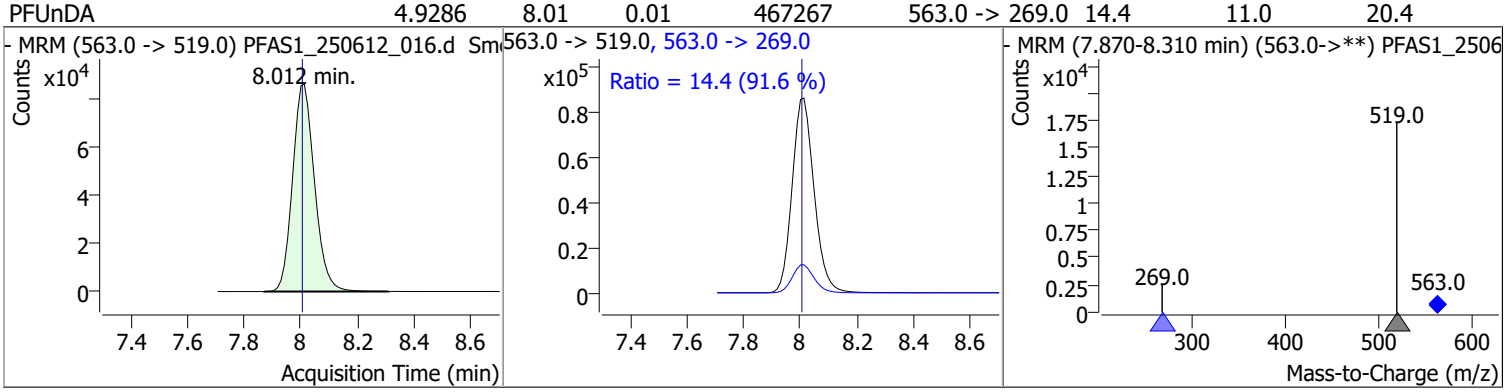
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	4.6725	7.94	0.00	71806	584.0 -> 526.0	58.4	38.4	71.3



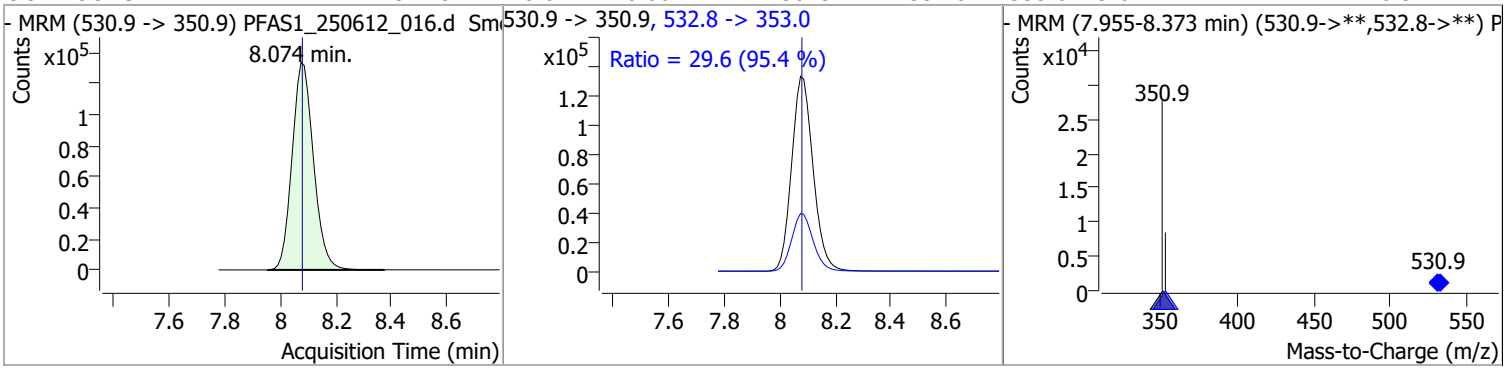
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2600	8.01	0.01	119889				



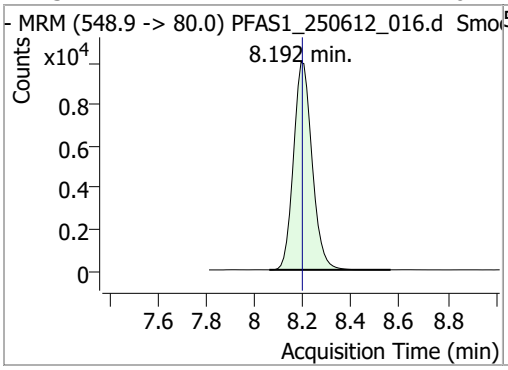
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	4.9286	8.01	0.01	467267	563.0 -> 269.0	14.4	11.0	20.4

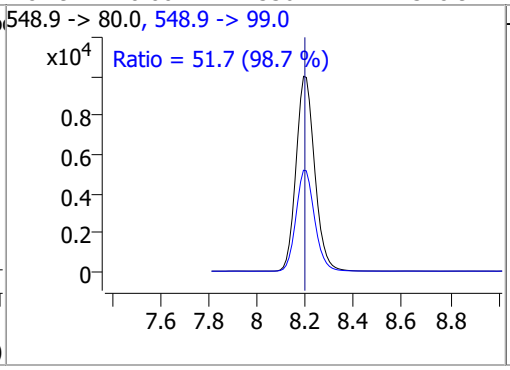


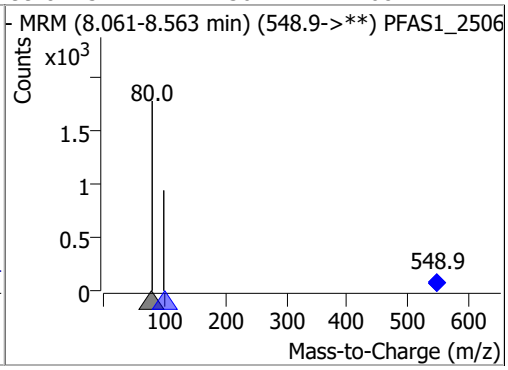
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	9.4494	8.07	0.00	715015	532.8 -> 353.0	29.6	21.7	40.3



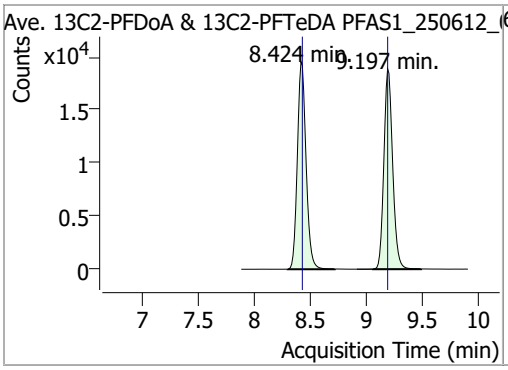
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	4.7728	8.19	0.00	53647	548.9 -> 99.0	51.7	36.7	68.1

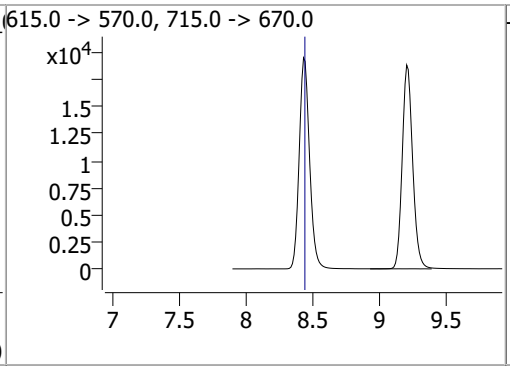


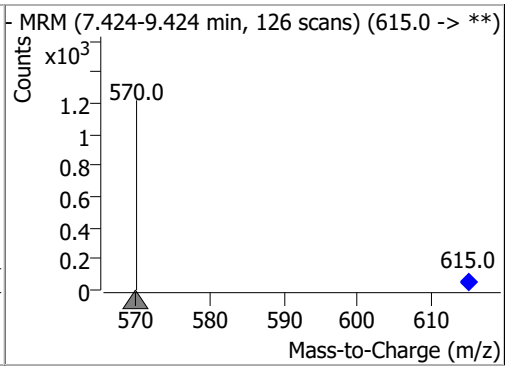




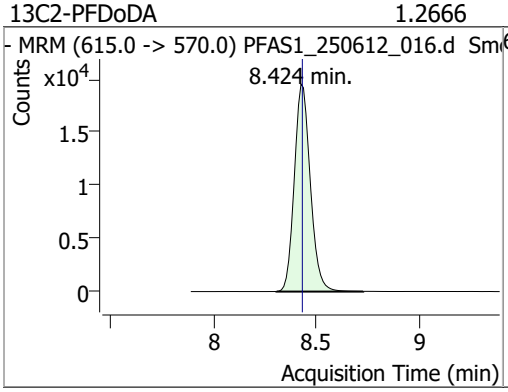
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2677	8.81	0.39	103629				

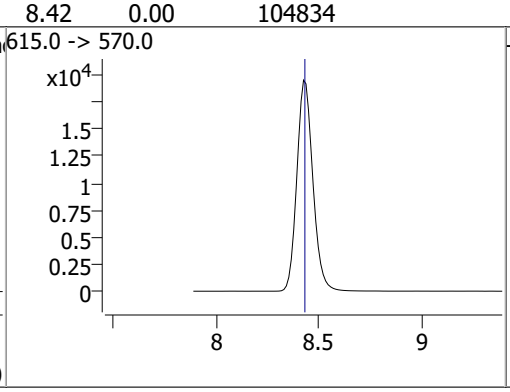


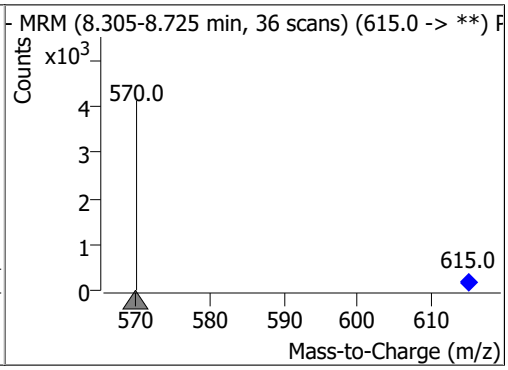




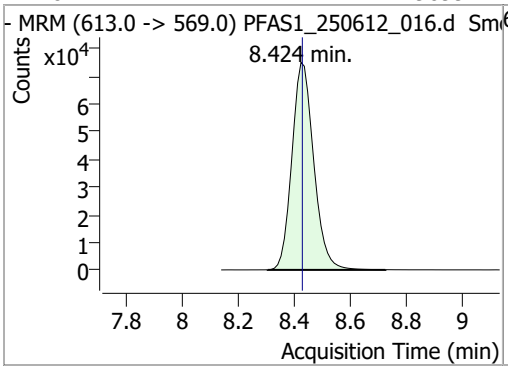
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2666	8.42	0.00	104834				

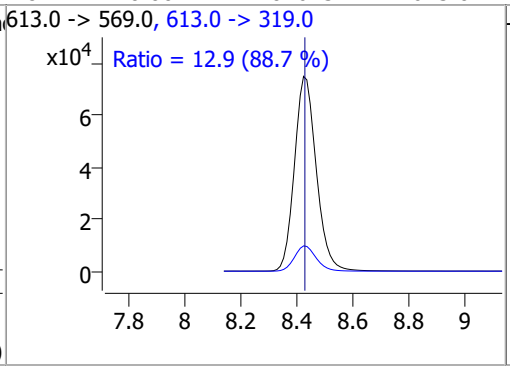


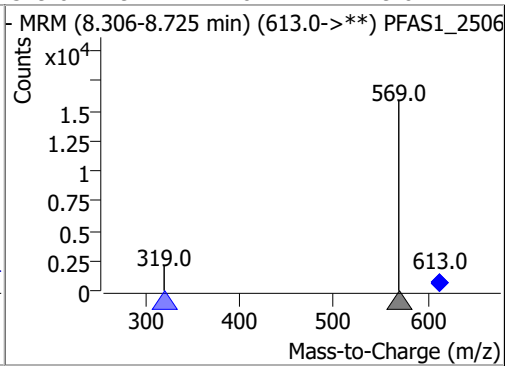




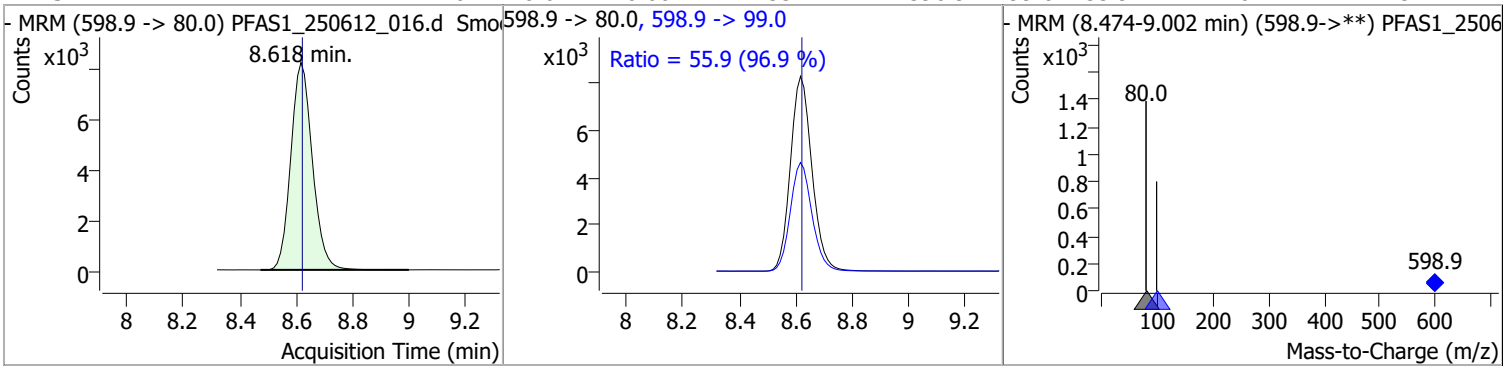
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	4.9099	8.42	0.00	404613	613.0 -> 319.0	12.9	10.2	19.0



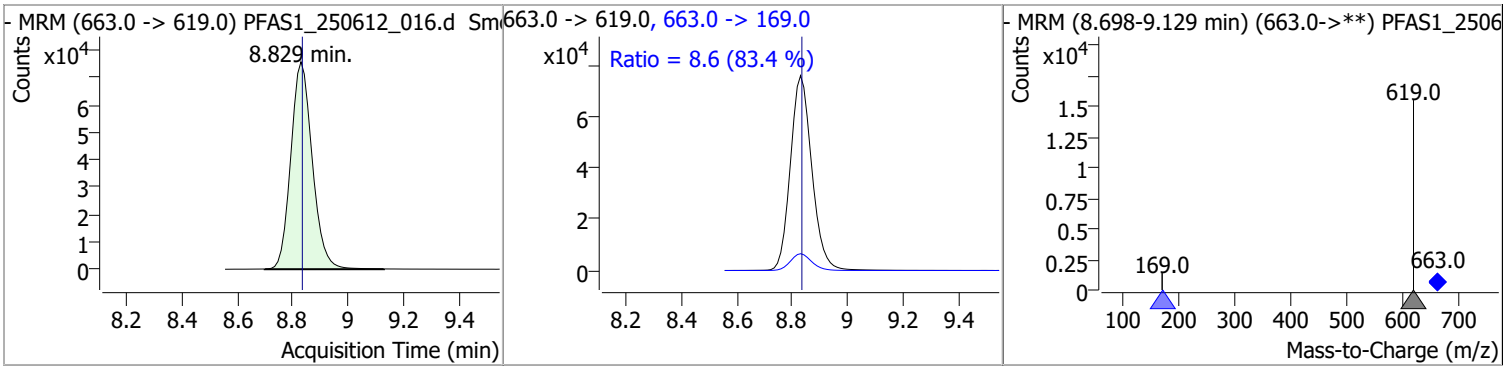




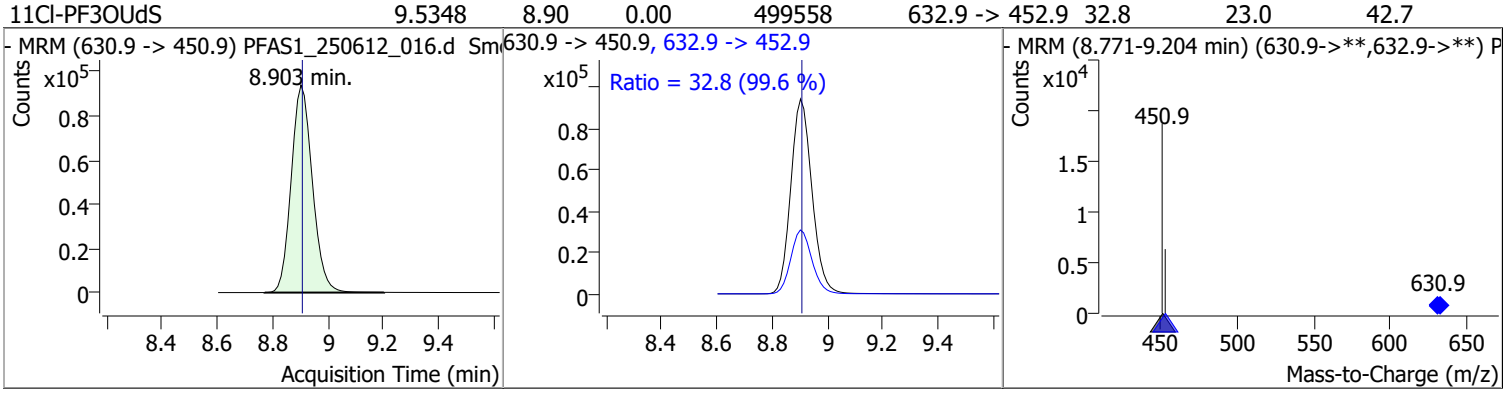
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	4.7140	8.62	0.00	43524	598.9 -> 99.0	55.9	40.4	74.9



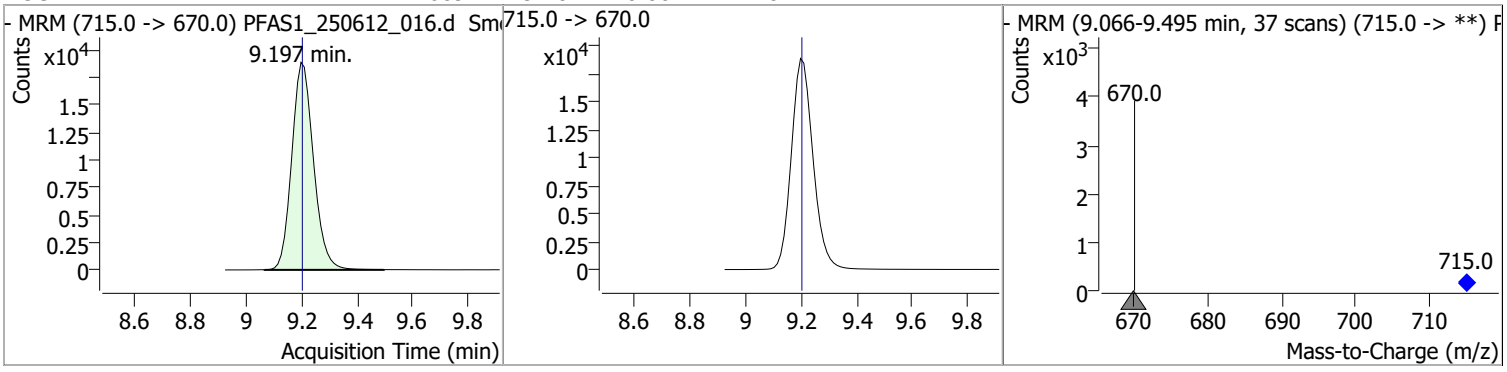
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	4.9631	8.83	0.00	407612	663.0 -> 169.0	8.6	7.2	13.4



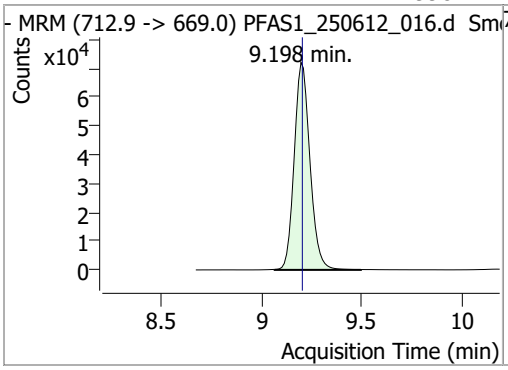
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	9.5348	8.90	0.00	499558	632.9 -> 452.9	32.8	23.0	42.7

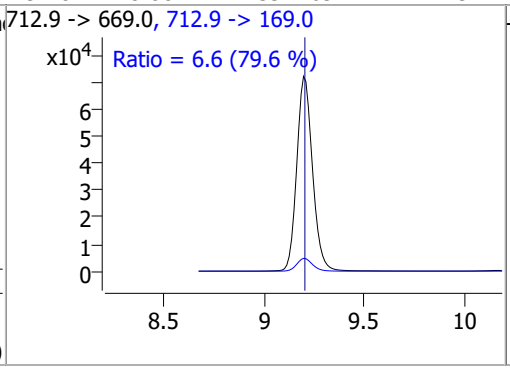


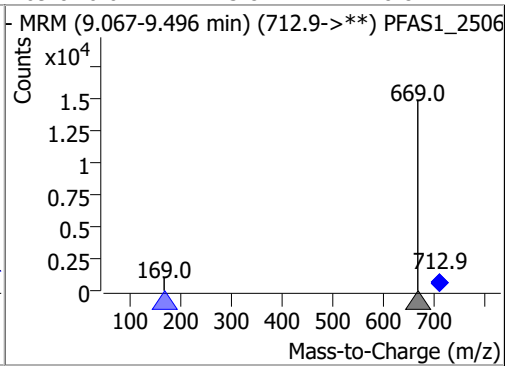
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2689	9.20	0.00	102424				



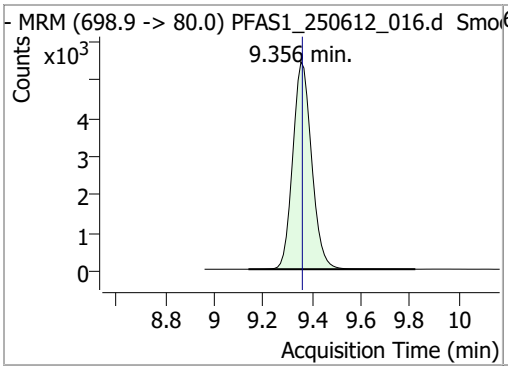
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	4.9987	9.20	0.00	392269	712.9 -> 169.0	6.6	5.8	10.8

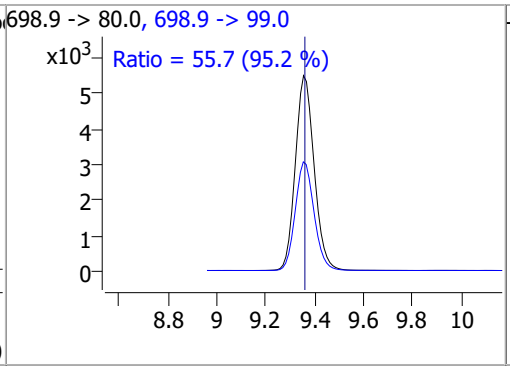


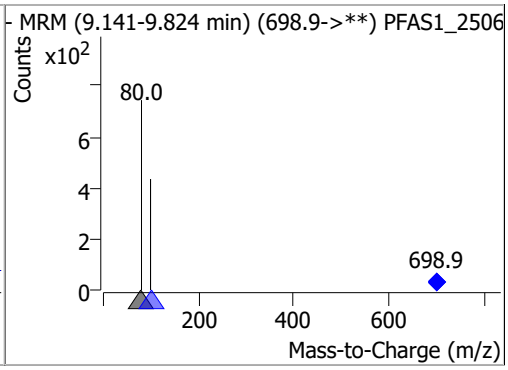




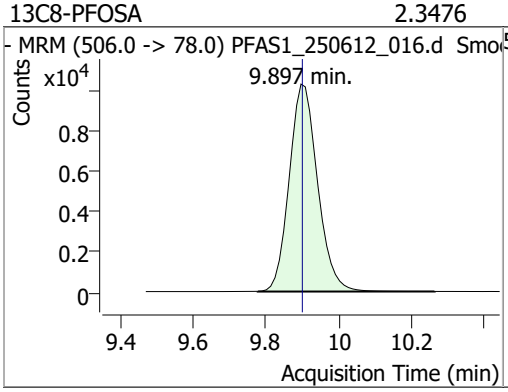
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	4.7813	9.36	0.00	29033	698.9 -> 99.0	55.7	41.0	76.1

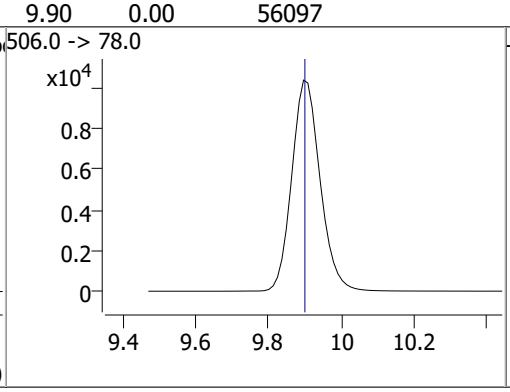


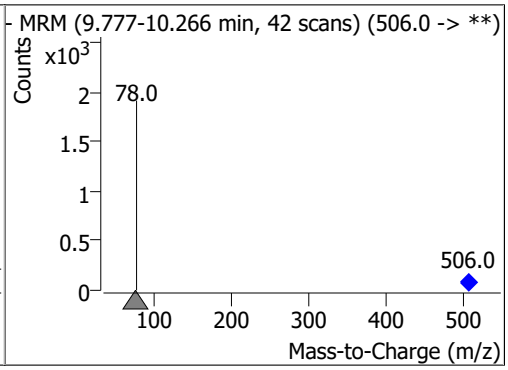




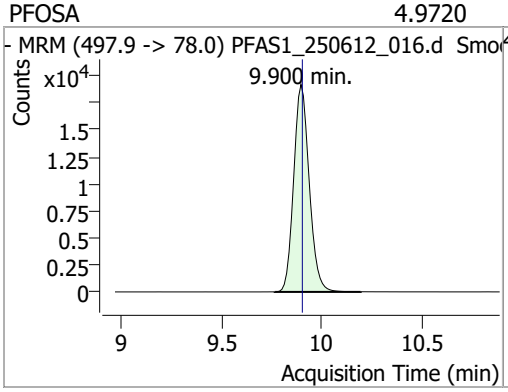
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.3476	9.90	0.00	56097				

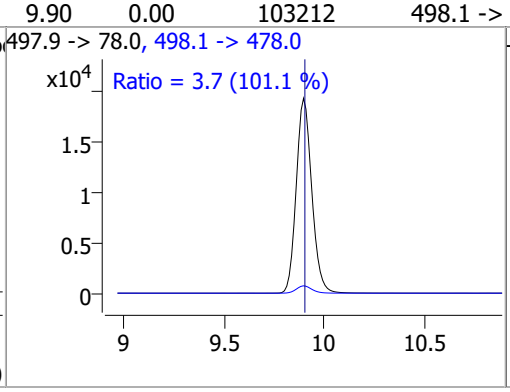


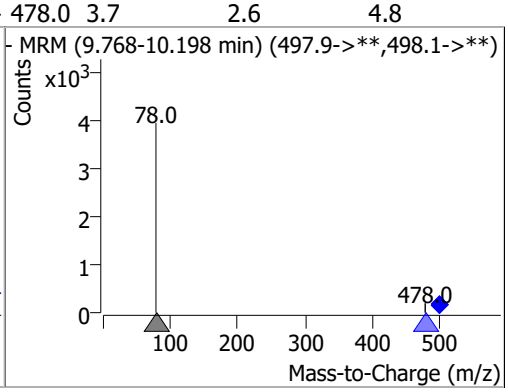




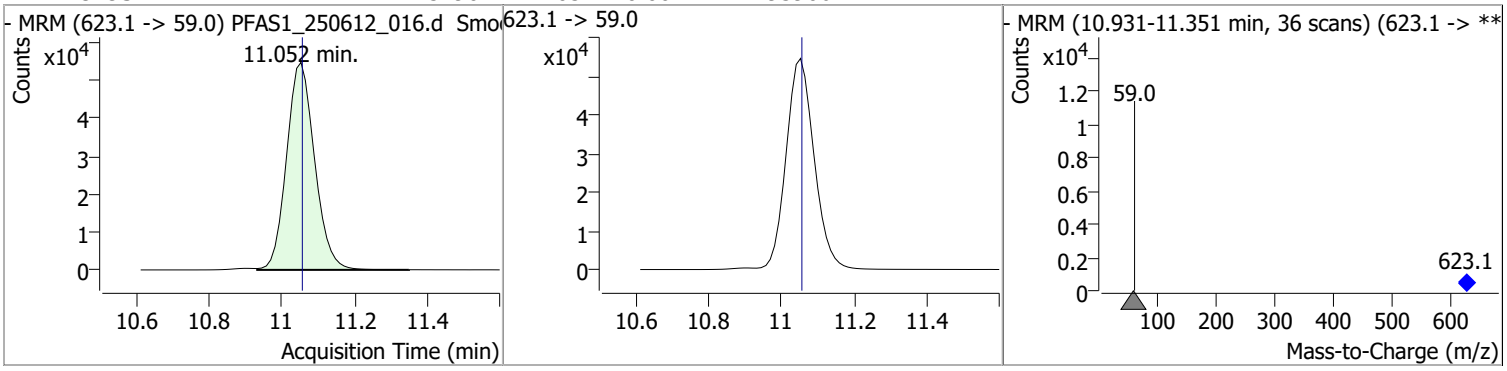
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	4.9720	9.90	0.00	103212	498.1 -> 478.0	3.7	2.6	4.8



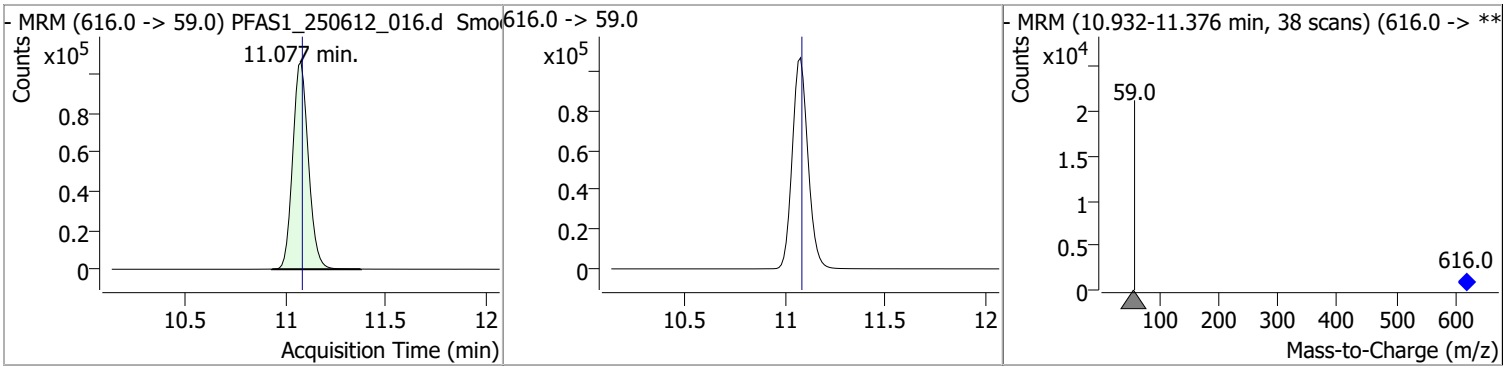




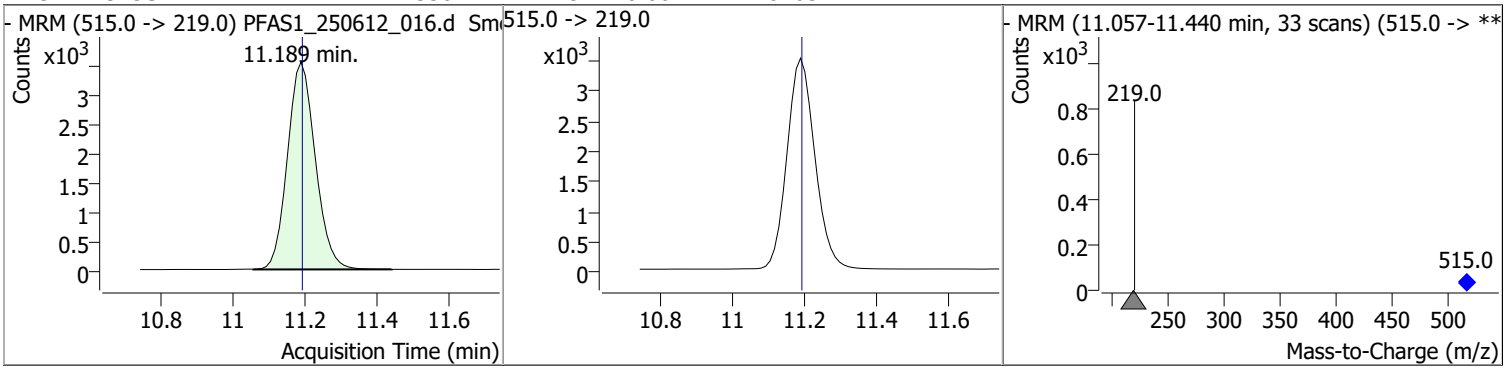
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.5490	11.05	0.00	293906				



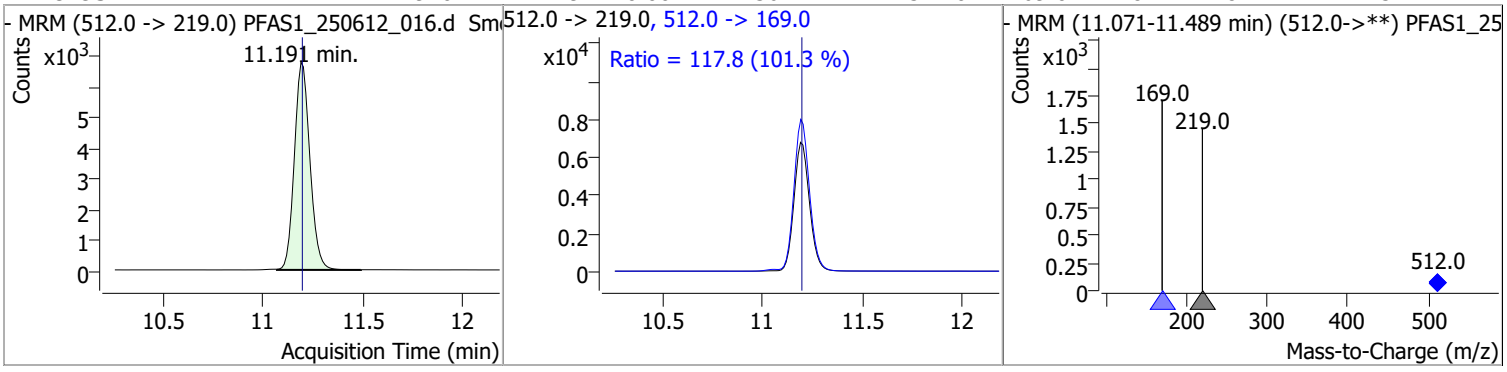
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	51.2806	11.08	0.00	577534				



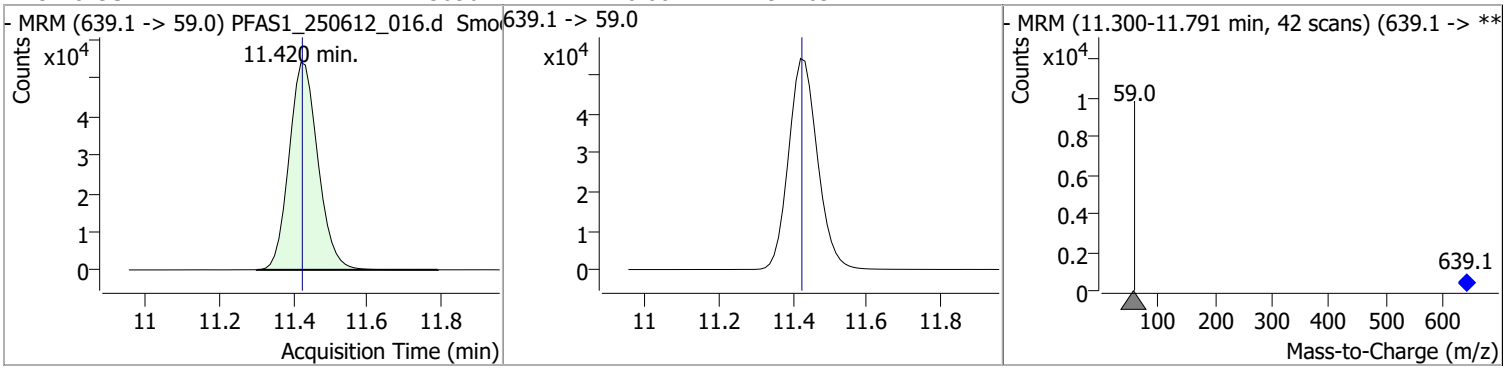
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3384	11.19	0.00	18765				



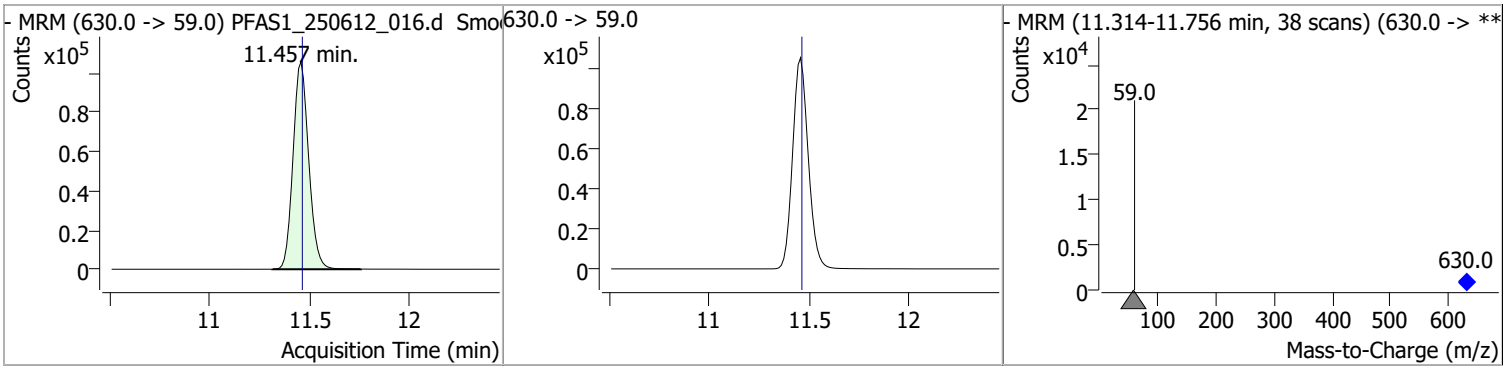
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	4.9402	11.19	0.00	36424	512.0 -> 169.0	117.8	81.4	151.2



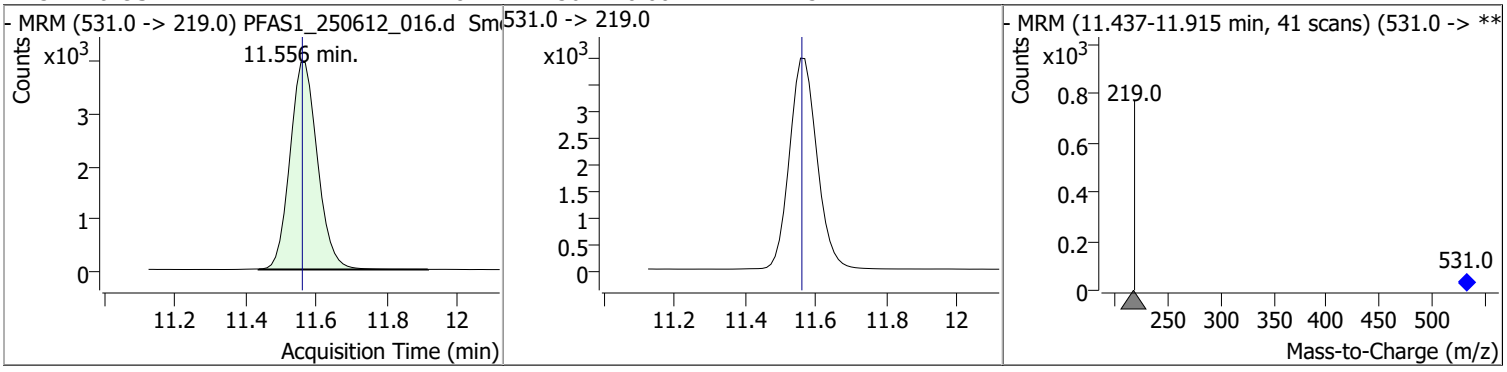
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.5656	11.42	0.00	294209				



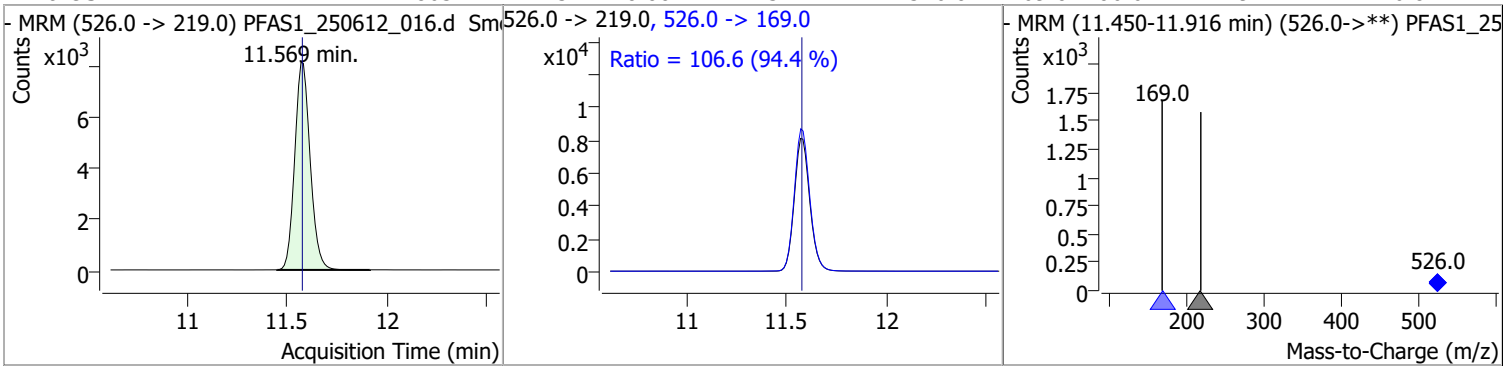
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	52.2374	11.46	0.00	572391				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4128	11.56	0.00	21275				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	4.8634	11.57	0.00	43711	526.0 -> 169.0	106.6	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_017.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 4:55:41 PM
Sample Name	SEQ-CAL6	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

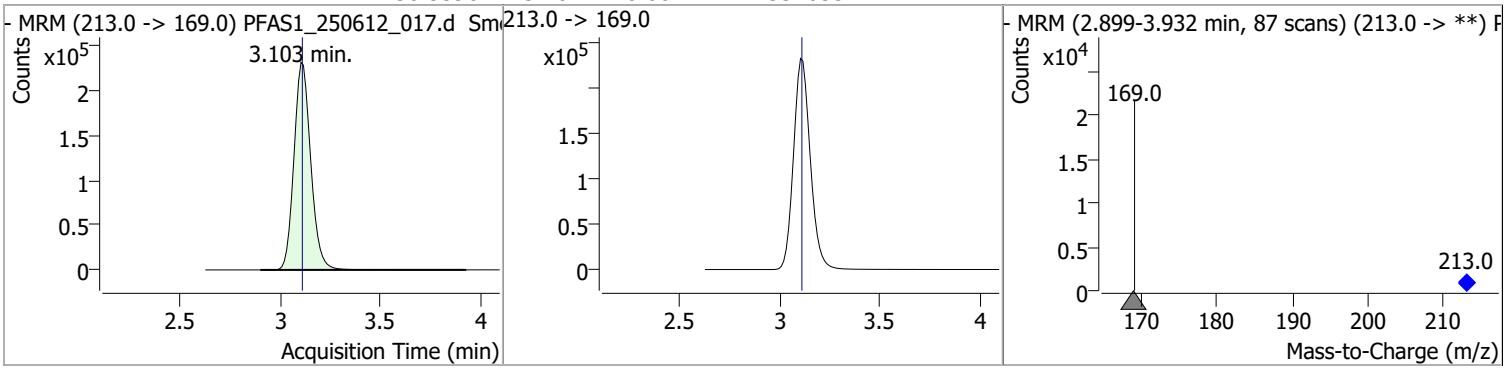
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	168300	5.0000	µg/L	6.399
13C2-PFHxA	5.479	315.0 -> 270.0	188357	2.5000	µg/L	5.418
18O2-PFHxS	6.808	403.0 -> 84.0	24791	2.5000	µg/L	5.490
13C4-PFOA	6.663	417.0 -> 172.0	21567	2.5000	µg/L	6.793
13C5-PFNA	7.137	468.0 -> 423.0	124289	1.2500	µg/L	3.853
13C2-PFDA	7.576	515.0 -> 470.0	131565	1.2500	µg/L	5.141
13C4-PFOS	7.757	503.0 -> 80.0	26064	2.5000	µg/L	4.399
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	386369	10.0000	µg/L	5.857
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.43%		
13C4-PFBA	3.107	217.0 -> 172.0	386369	10.0000	µg/L	5.857
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.43%		
13C5-PFPeA	4.594	268.0 -> 223.0	281814	5.0000	µg/L	4.467
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.13%		
13C5-PFPeA	4.594	268.0 -> 223.0	281814	5.0000	µg/L	4.467
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.13%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	16189	5.0000	µg/L	0.462
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.73%		
13C5-PFHxA	5.490	318.0 -> 273.0	193153	2.5000	µg/L	4.975
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.56%		
13C5-PFHxA	5.490	318.0 -> 273.0	193153	2.5000	µg/L	4.975
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.56%		
13C3-PFBS	5.505	302.0 -> 80.0	45118	2.5000	µg/L	5.844
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.54%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	232598	10.0000	µg/L	4.835
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.41%		
13C4-PFHpA	6.142	367.0 -> 322.0	222869	2.5000	µg/L	4.536
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.12%		
13C3-PFHxS	6.809	402.0 -> 80.0	28209	2.5000	µg/L	4.549
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.15%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	11789	5.0000	µg/L	4.536
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.48%		
13C8-PFOA	6.662	421.0 -> 376.0	233494	2.5000	µg/L	3.364
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.71%		
13C3-PFHxS	6.809	402.0 -> 80.0	28209	2.5000	µg/L	4.549
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.15%		
13C9-PFNA	7.137	472.0 -> 427.0	130891	1.2500	µg/L	6.674
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.75%		
13C8-PFOS	7.756	507.0 -> 80.0	26415	2.5000	µg/L	6.753
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.30%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12439	5.0000	µg/L	1.062
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.86%		
13C6-PFDA	7.575	519.0 -> 474.0	137170	1.2500	µg/L	3.210
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.22%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	97683	5.0000	µg/L	5.102

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.39%		
13C8-PFOS	7.756	507.0 -> 80.0	26415	2.5000	µg/L	6.753
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.30%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	77419	5.0000	µg/L	3.861
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.29%		
13C7-PFUnDA	7.999	570.0 -> 525.0	121041	1.2500	µg/L	4.921
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.82%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	103821	1.2500	µg/L	4.866
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.66%		
13C2-PFDoDA	8.424	615.0 -> 570.0	104275	1.2500	µg/L	4.015
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.86%		
13C2-PFTDA	9.197	715.0 -> 670.0	103367	1.2500	µg/L	5.739
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.48%		
13C8-PFOSA	9.897	506.0 -> 78.0	57346	2.5000	µg/L	4.849
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.22%		
2H7-MeFOSE	11.052	623.1 -> 59.0	295367	25.0000	µg/L	7.520
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 103.02%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18902	2.5000	µg/L	2.988
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.36%		
2H9-EtFOSE	11.420	639.1 -> 59.0	288080	25.0000	µg/L	4.842
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.45%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	20955	2.5000	µg/L	3.752
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.24%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	1354055	38.5598	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.40%		
PFMPA	3.794	229.0 -> 85.0	507774	19.2787	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.39%		
3-3 FTCA	4.042	241.0 -> 177.0	51717	37.4507	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 93.63%		
PFPeA	4.596	263.0 -> 219.0	1072856	19.3098	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.55%		
PFMBA	4.910	279.0 -> 85.0	696090	19.5523	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.76%		
4-2 FTSA	5.251	327.0 -> 307.0	413260	37.4745	µg/L	96
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 99.93%		
NFDHA	5.402	295.0 -> 201.0	59342	20.0086	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 100.04%		
PFHxA	5.480	313.0 -> 269.0	755017	9.6813	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.81%		
PFBS	5.507	298.9 -> 80.0	172431	8.6698	µg/L	98
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 97.74%		
HFPO-DA	5.736	285.0 -> 169.0	463426	19.7760	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.88%		
PFEESA	5.860	314.9 -> 135.0	998029	17.4419	µg/L	97
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 97.99%		
5-3 FTCA	6.132	341.0 -> 237.0	1276491	188.2266	µg/L	98
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 94.11%		
PFHpA	6.142	363.0 -> 319.0	857131	9.7225	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.23%		
PFPeS	6.240	348.9 -> 80.0	125389	9.0002	µg/L	100
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 95.65%		
DONA	6.333	377.0 -> 251.0	1946556	17.9980	µg/L	97
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 95.23%		

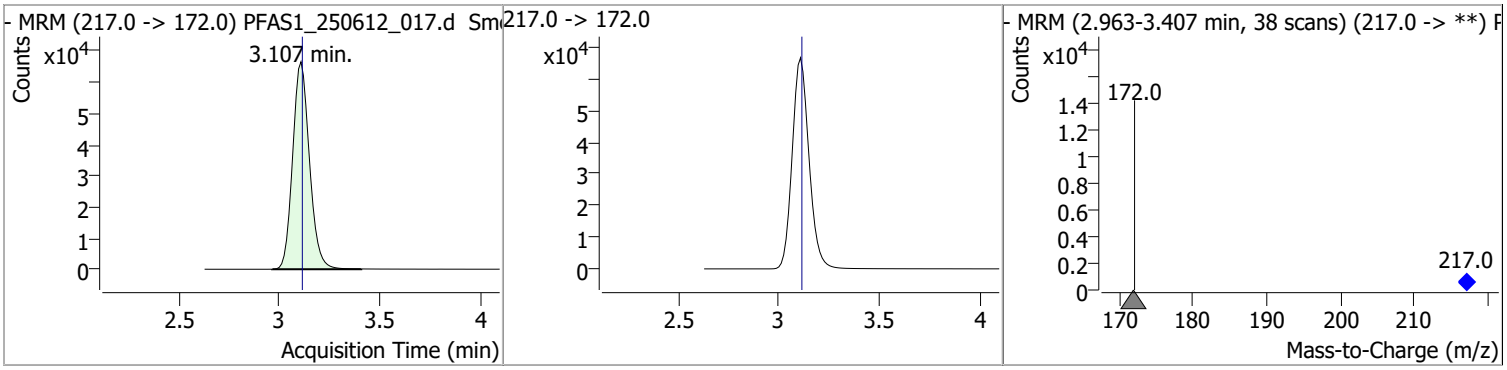
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	370666	37.2030	µg/L	97
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 97.90%		
PFOA	6.663	413.0 -> 369.0	895922	9.7646	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.65%		
PFHxS	6.798	398.9 -> 80.0	100460	8.6871	µg/L	98
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 95.04%		
PFNA	7.138	463.0 -> 419.0	932361	9.4588	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.59%		
PFHpS	7.295	448.9 -> 80.0	100449	9.2848	µg/L	96
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.43%		
8-2 FTSA	7.373	527.0 -> 507.0	350152	39.6245	µg/L	98
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 103.19%		
7-3 FTCA	7.474	441.0 -> 317.0	1379544	184.0877	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 92.04%		
PFDA	7.576	513.0 -> 469.0	1034585	9.8518	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.52%		
N-MeFOSAA	7.704	570.0 -> 419.0	169267	9.8412	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.41%		
PFOS	7.758	498.9 -> 80.0	102336	8.6550	µg/L	99
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 93.26%		
N-EtFOSAA	7.939	584.0 -> 419.0	146738	9.8200	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.20%		
PFUnDA	8.000	563.0 -> 519.0	926762	9.6717	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.72%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	1373228	18.2947	µg/L	97
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 97.83%		
PFNS	8.193	548.9 -> 80.0	105641	9.4919	µg/L	100
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 98.67%		
PFDoDA	8.424	613.0 -> 569.0	802855	9.7895	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.89%		
PFDS	8.618	598.9 -> 80.0	84488	9.2225	µg/L	99
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 95.57%		
PFTrDA	8.829	663.0 -> 619.0	801281	9.7236	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.24%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	971077	18.6754	µg/L	100
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 98.81%		
PFTDA	9.198	712.9 -> 669.0	780344	9.8391	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.39%		
PFDoS	9.356	698.9 -> 80.0	56549	9.3826	µg/L	98
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 96.73%		
PFOSA	9.900	497.9 -> 78.0	205526	9.6805	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.81%		
MeFOSE	11.077	616.0 -> 59.0	1098728	97.1432	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 97.14%		
N-MeFOSA	11.191	512.0 -> 219.0	72970	9.8237	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.24%		
EtFOSE	11.457	630.0 -> 59.0	1079910	100.8490	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 100.85%		
N-EtFOSA	11.569	526.0 -> 219.0	85545	9.6446	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.45%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

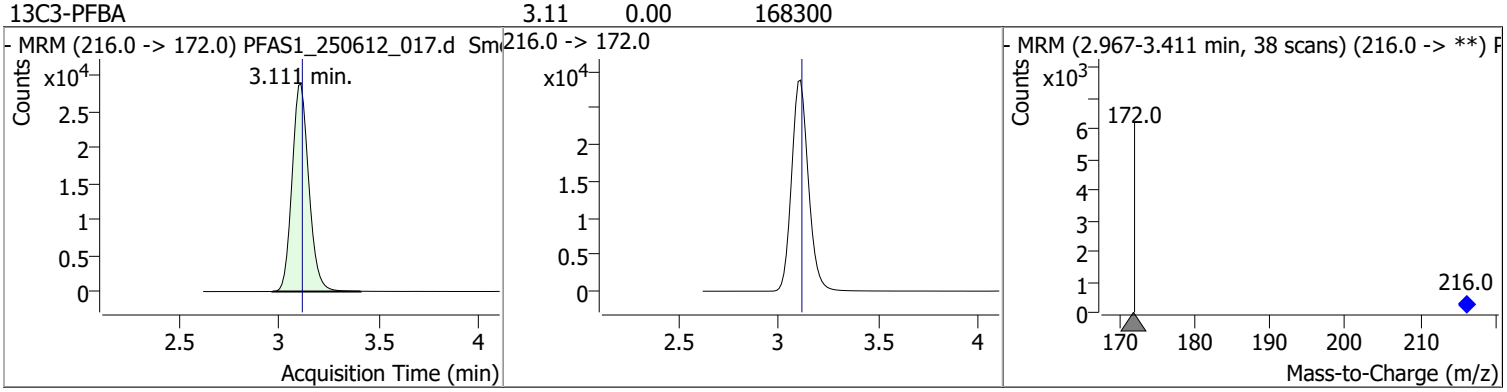
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.5598	3.10	0.00	1354055				



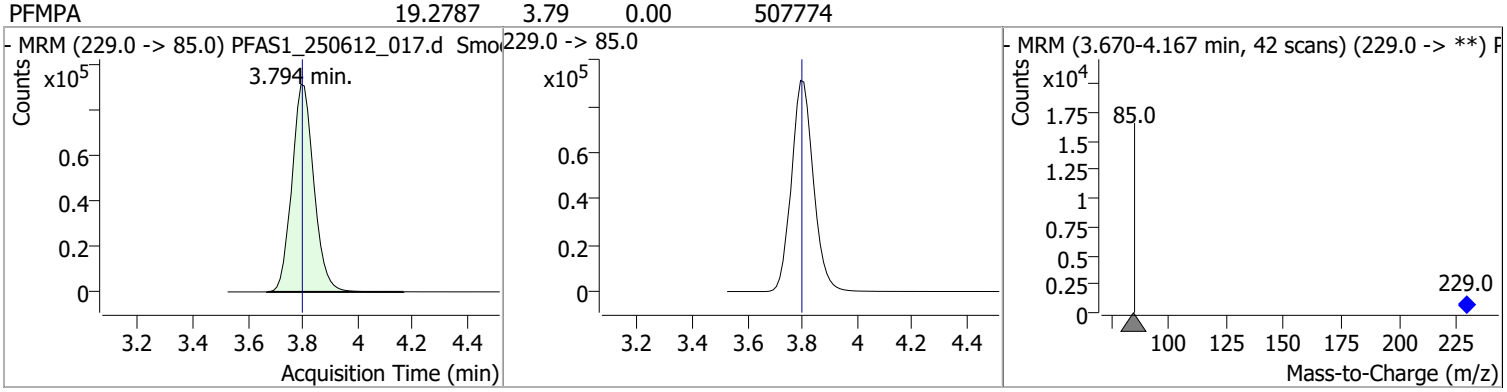
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9433	3.11	0.00	386369				



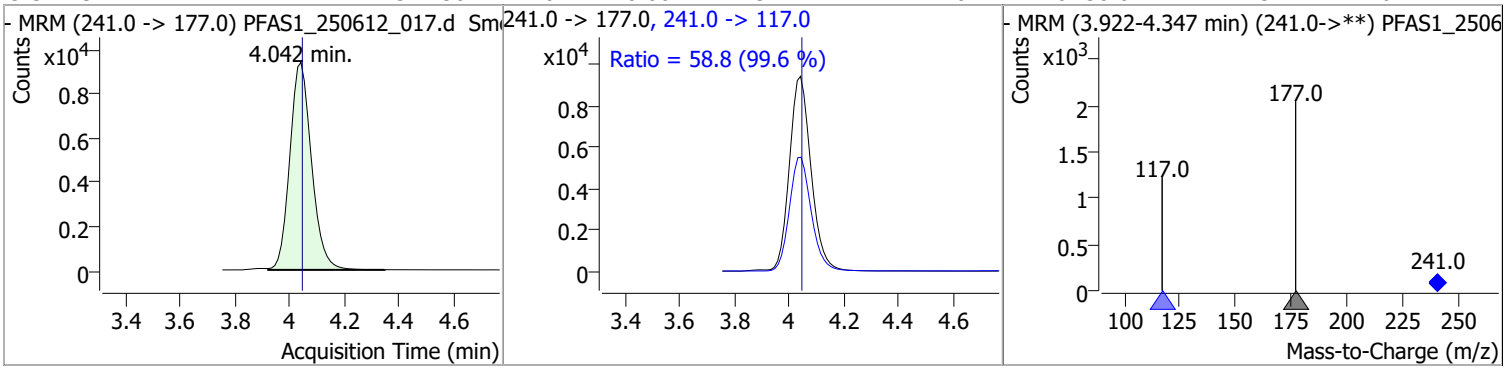
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.00	168300				



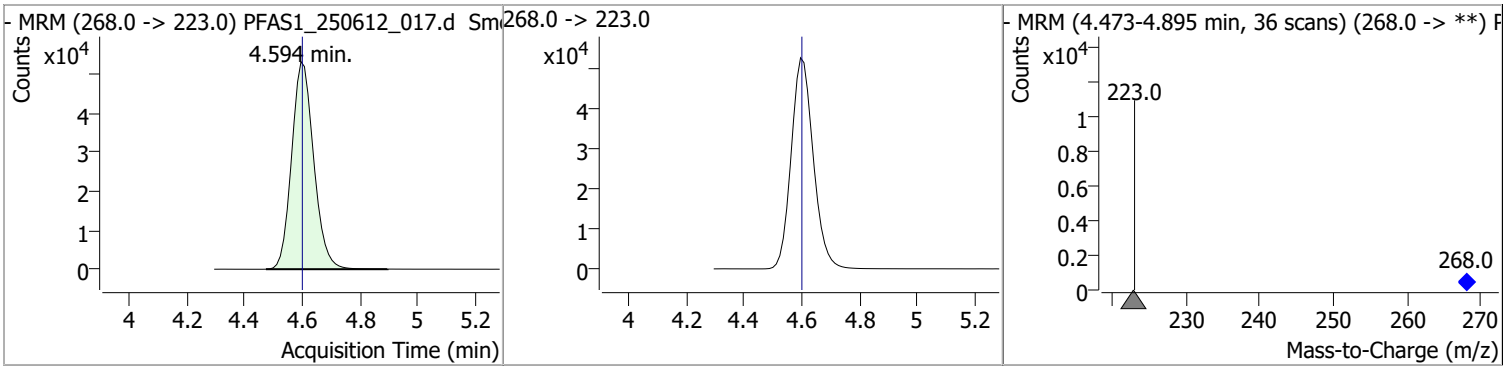
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.2787	3.79	0.00	507774				



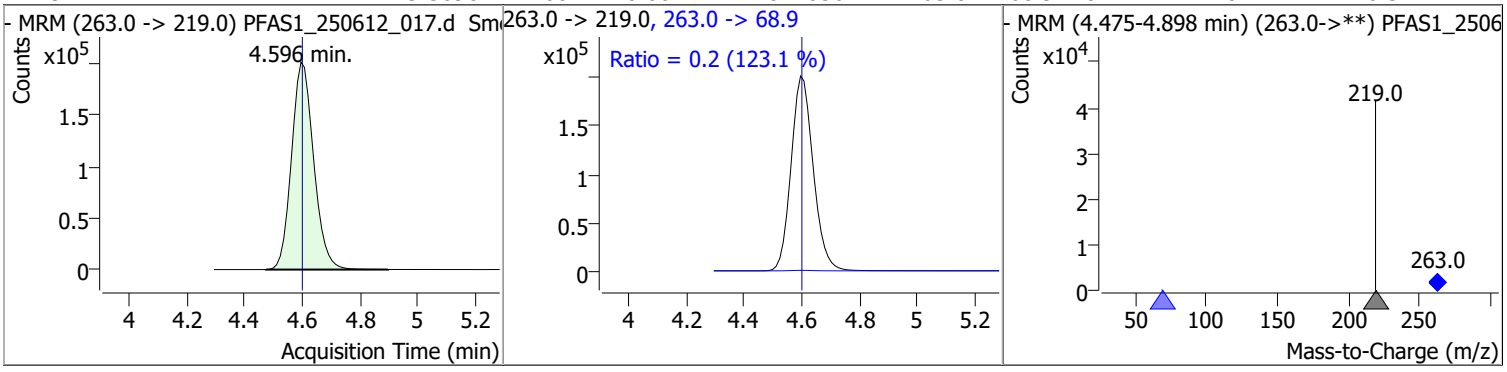
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	37.4507	4.04	0.00	51717	241.0 -> 117.0	58.8	41.3	76.7



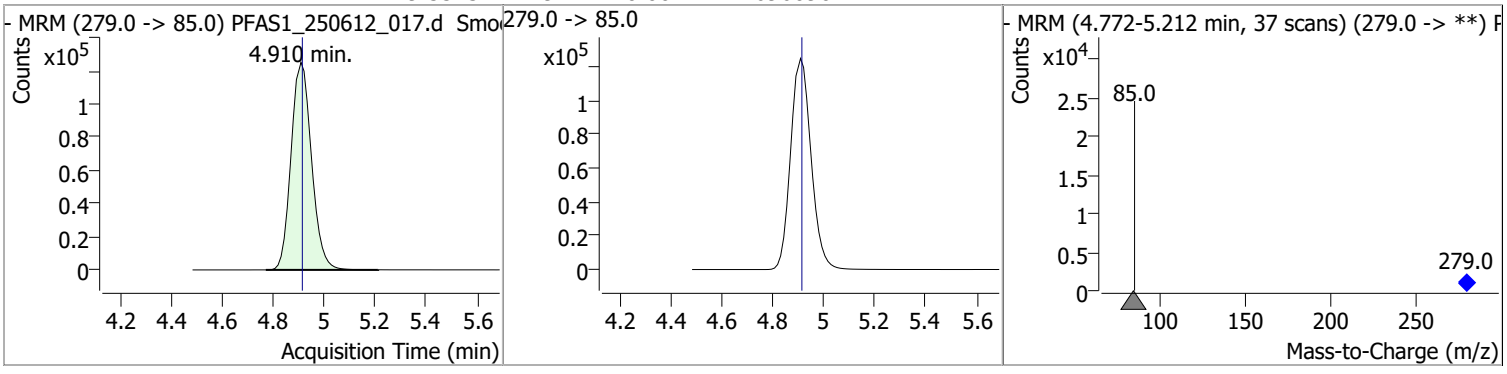
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9566	4.59	0.00	281814				



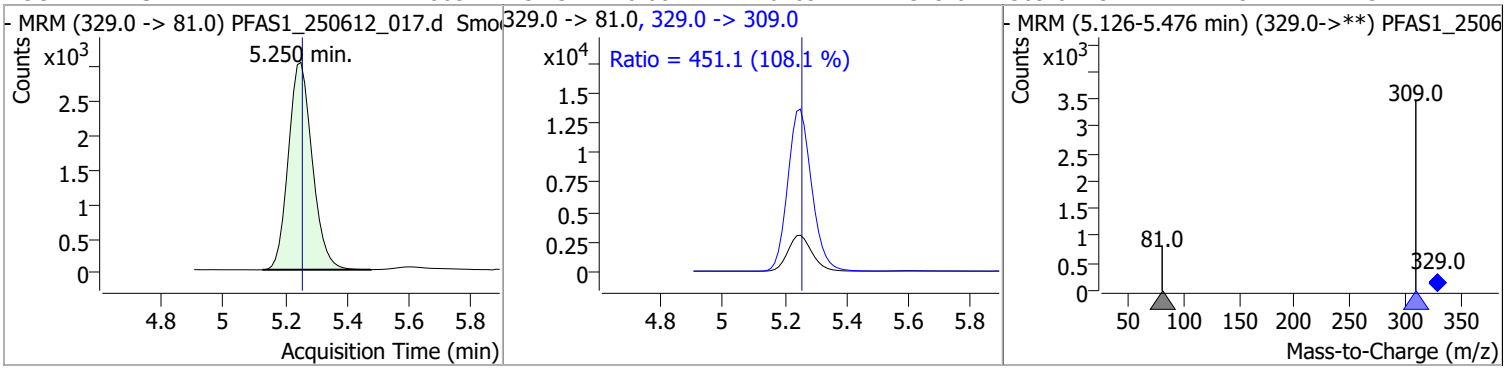
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.3098	4.60	0.00	1072856	263.0 -> 68.9	0.2	0.1	0.3



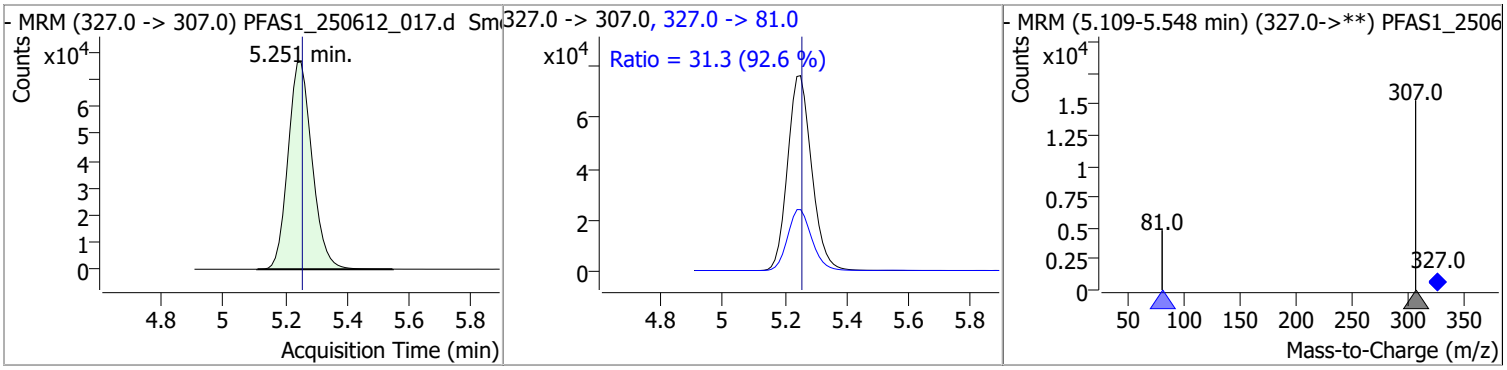
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.5523	4.91	0.00	696090				



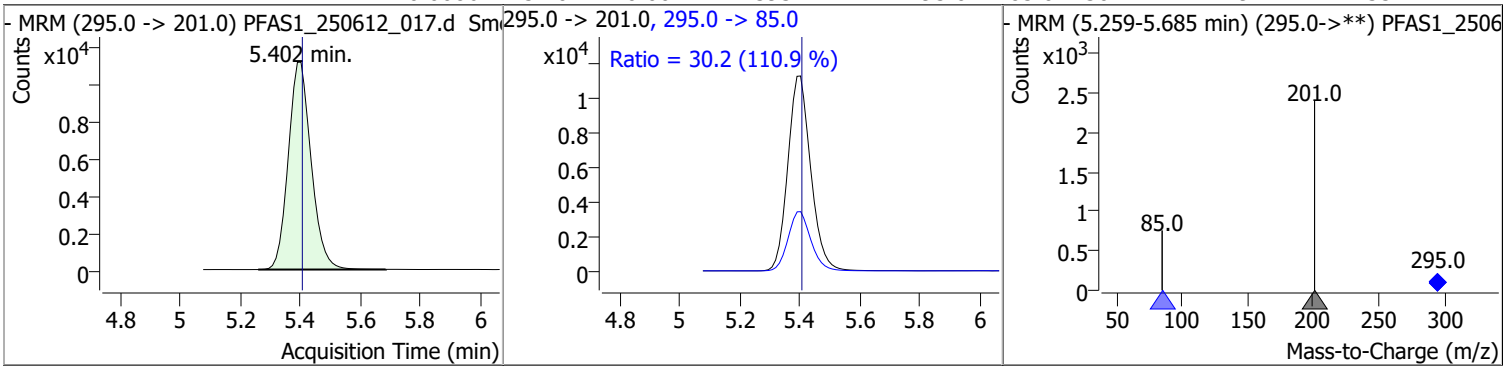
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.7865	5.25	0.00	16189	329.0 -> 309.0	451.1	292.1	542.4



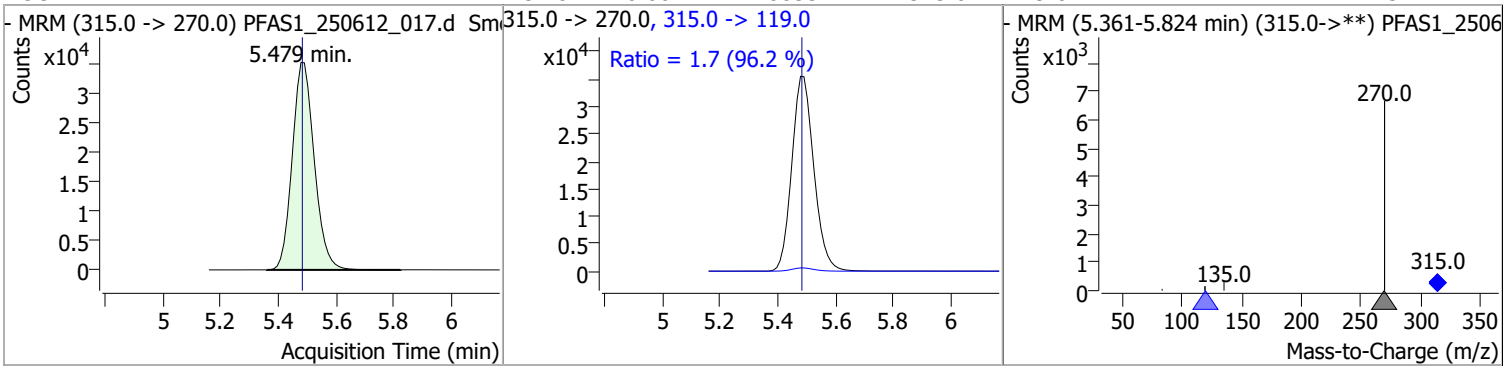
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	37.4745	5.25	0.00	413260	327.0 -> 81.0	31.3	23.6	43.9



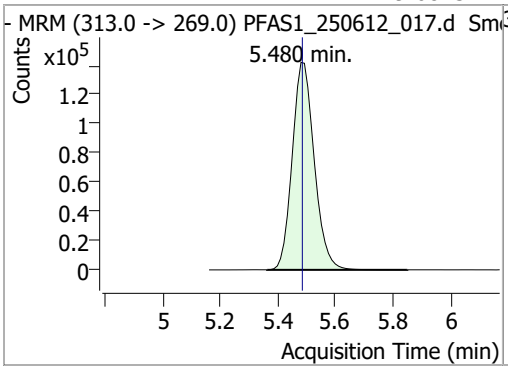
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	20.0086	5.40	0.00	59342	295.0 -> 85.0	30.2	19.1	35.4

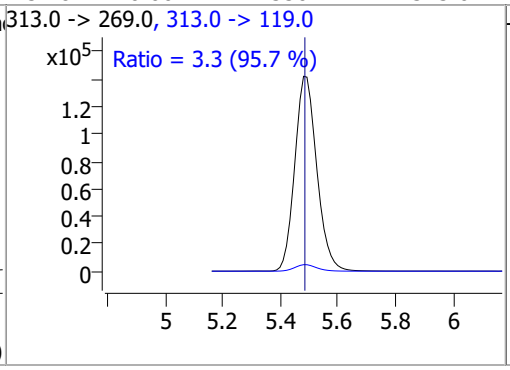


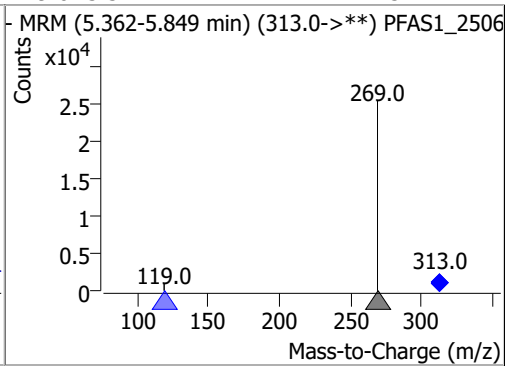
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	188357	315.0 -> 119.0	1.7	1.2	2.3



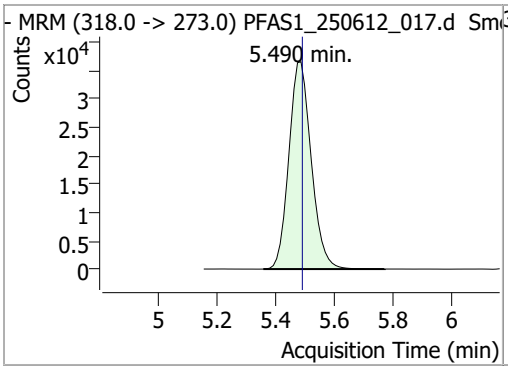
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.6813	5.48	0.00	755017	313.0 -> 119.0	3.3	2.4	4.5

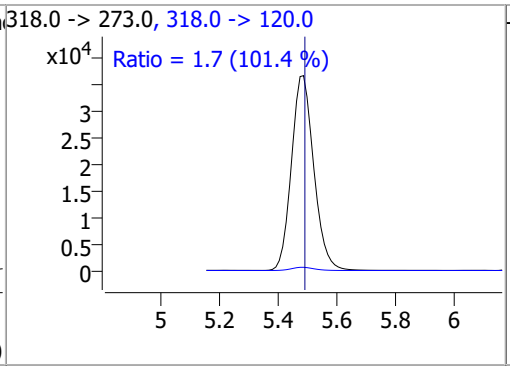


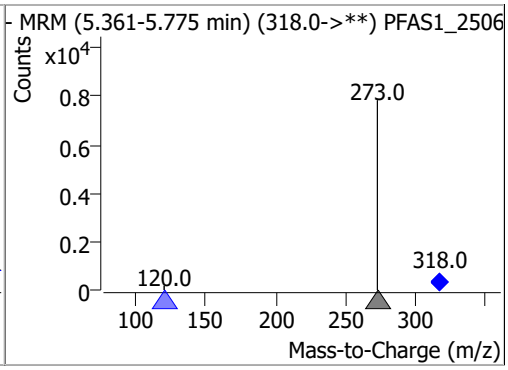




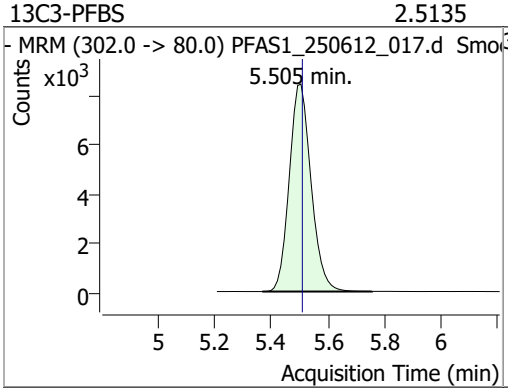
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4891	5.49	0.00	193153	318.0 -> 120.0	1.7	1.1	2.1

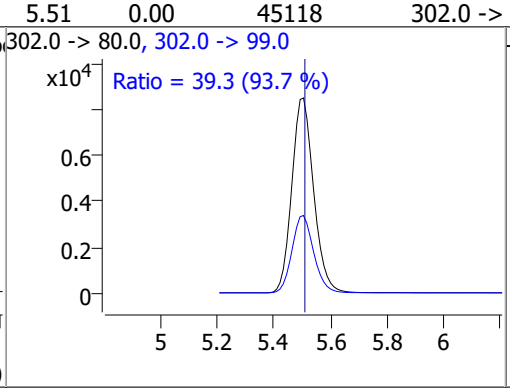


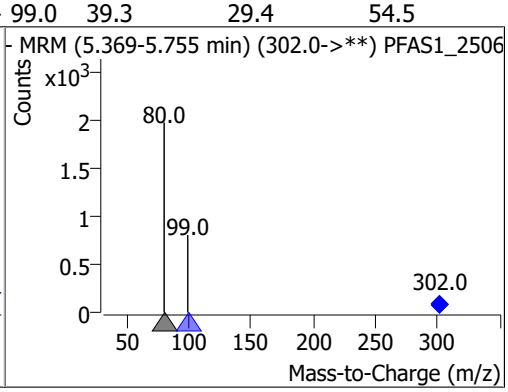




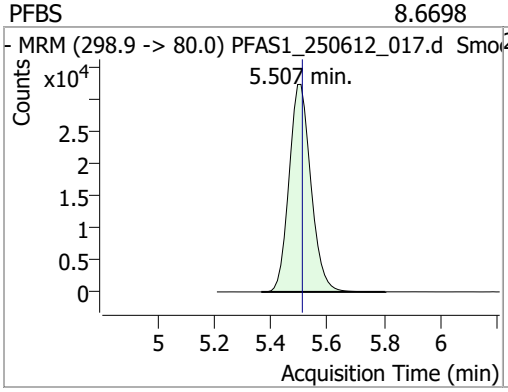
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5135	5.51	0.00	45118	302.0 -> 99.0	39.3	29.4	54.5

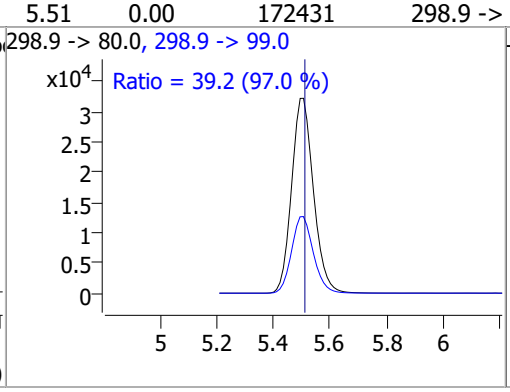


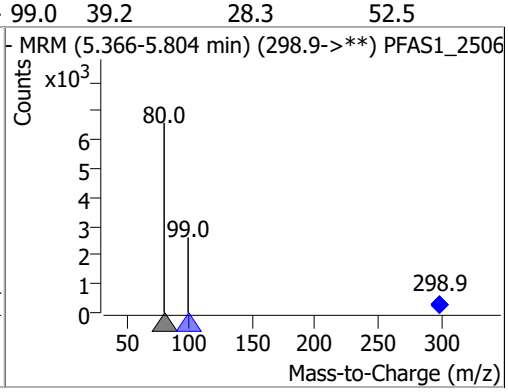




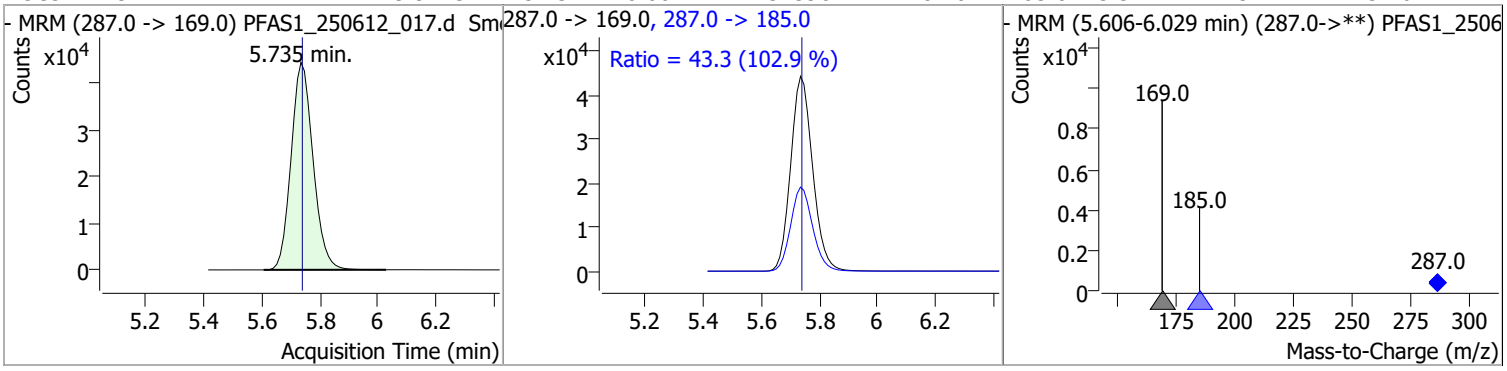
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.6698	5.51	0.00	172431	298.9 -> 99.0	39.2	28.3	52.5



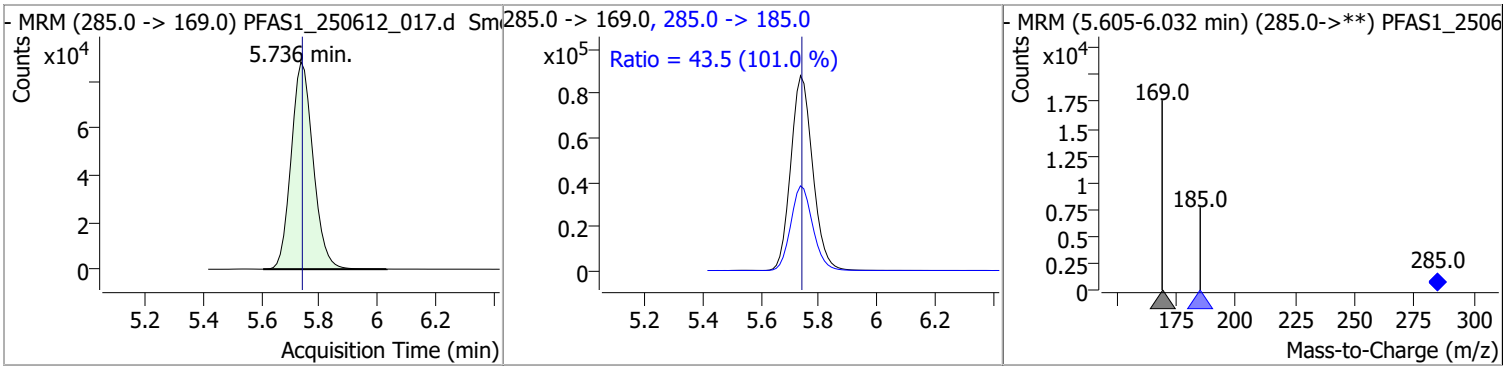




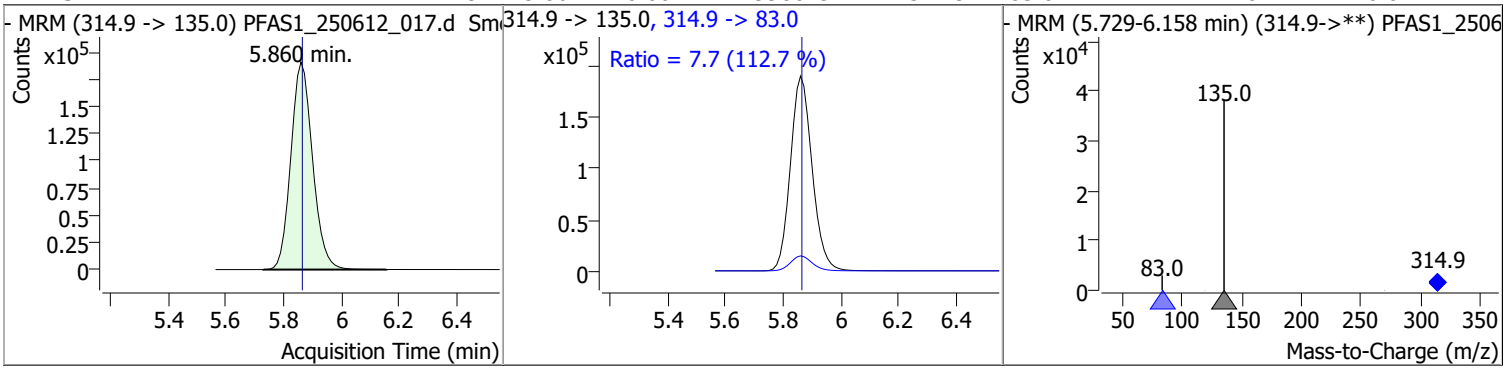
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9413	5.73	0.00	232598	287.0 -> 185.0	43.3	29.4	54.6



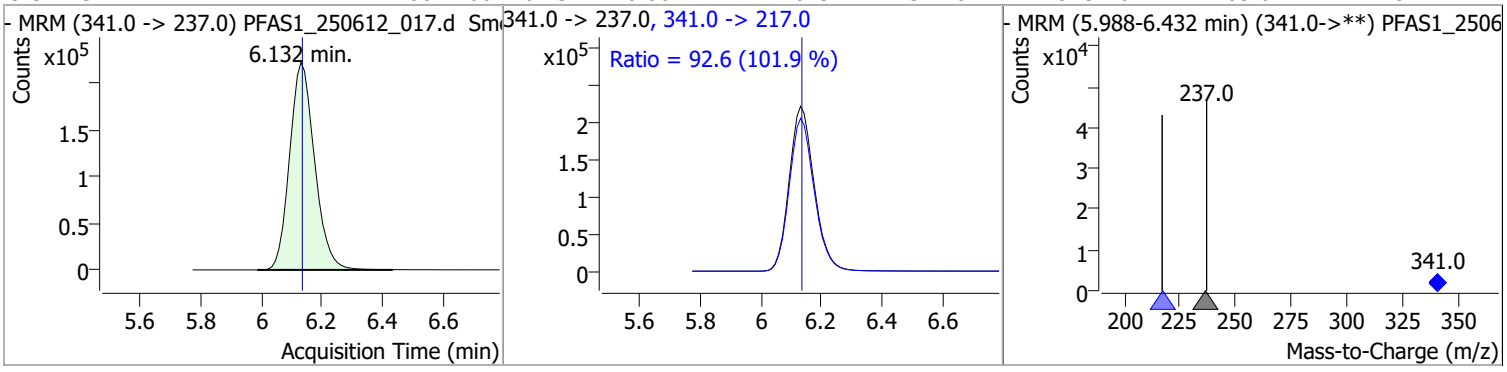
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	19.7760	5.74	0.00	463426	285.0 -> 185.0	43.5	30.1	56.0



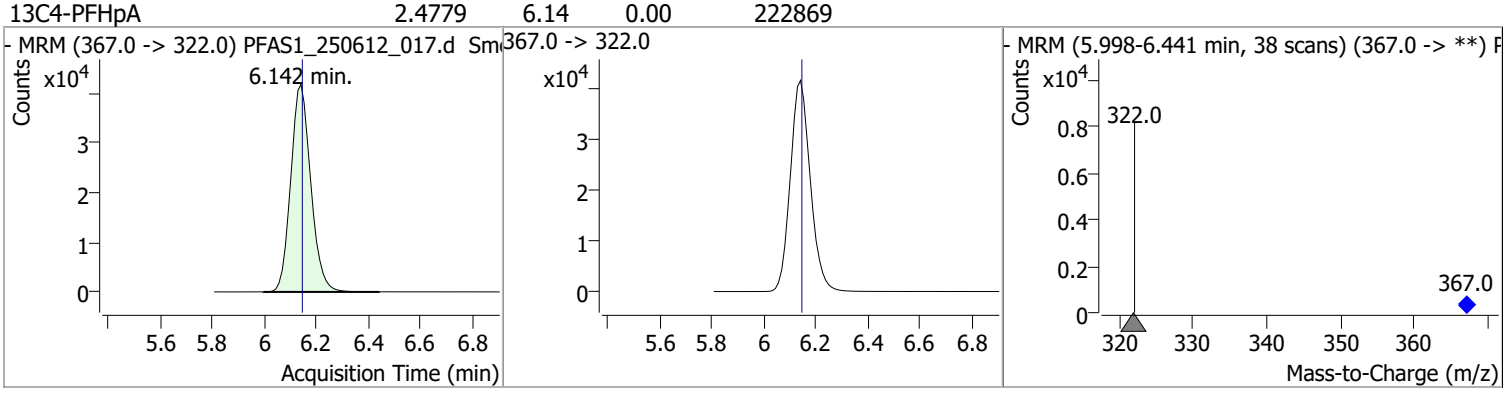
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.4419	5.86	0.00	998029	314.9 -> 83.0	7.7	4.8	8.8



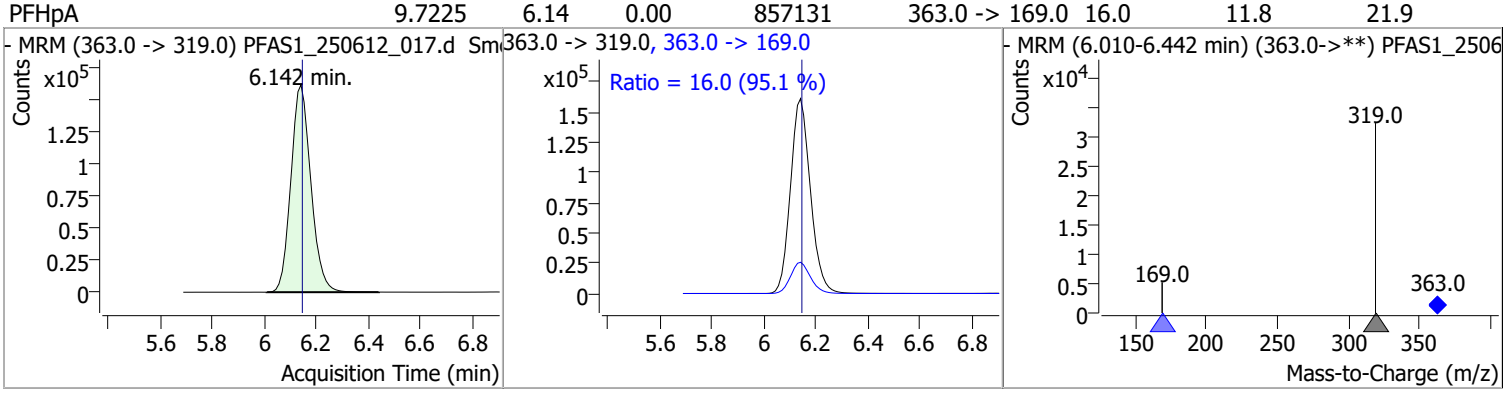
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	188.2266	6.13	0.00	1276491	341.0 -> 217.0	92.6	63.6	118.1



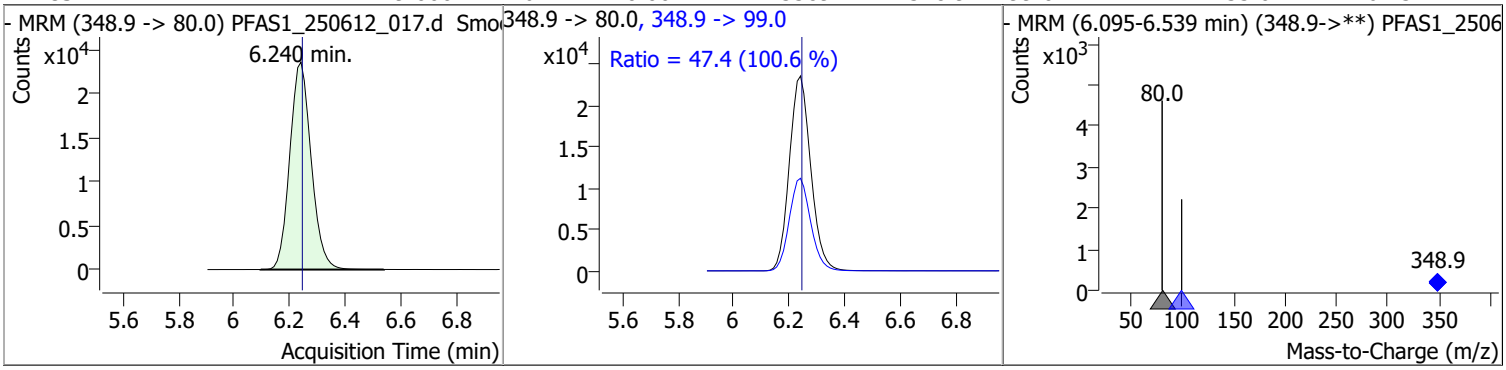
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4779	6.14	0.00	222869				



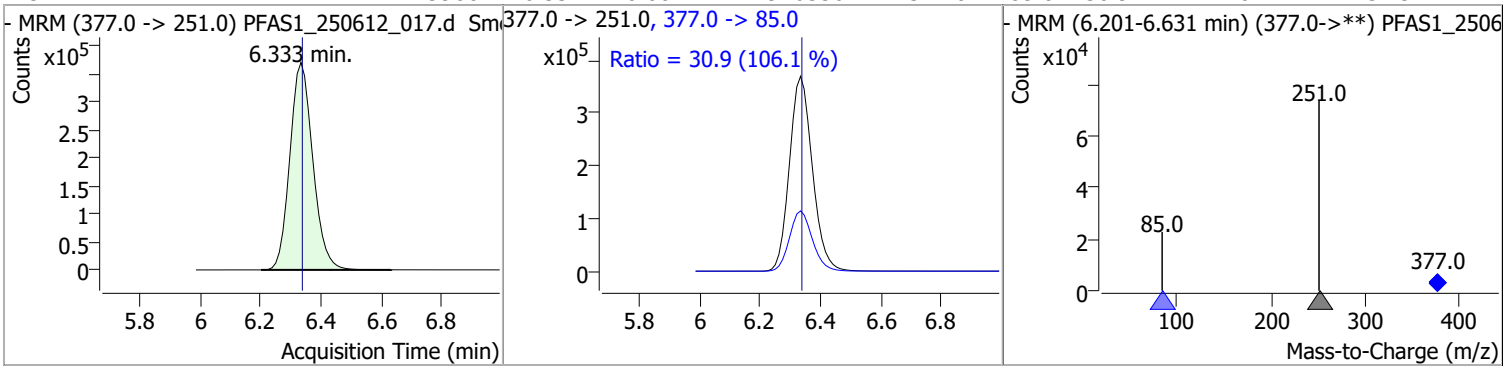
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.7225	6.14	0.00	857131	363.0 -> 169.0	16.0	11.8	21.9



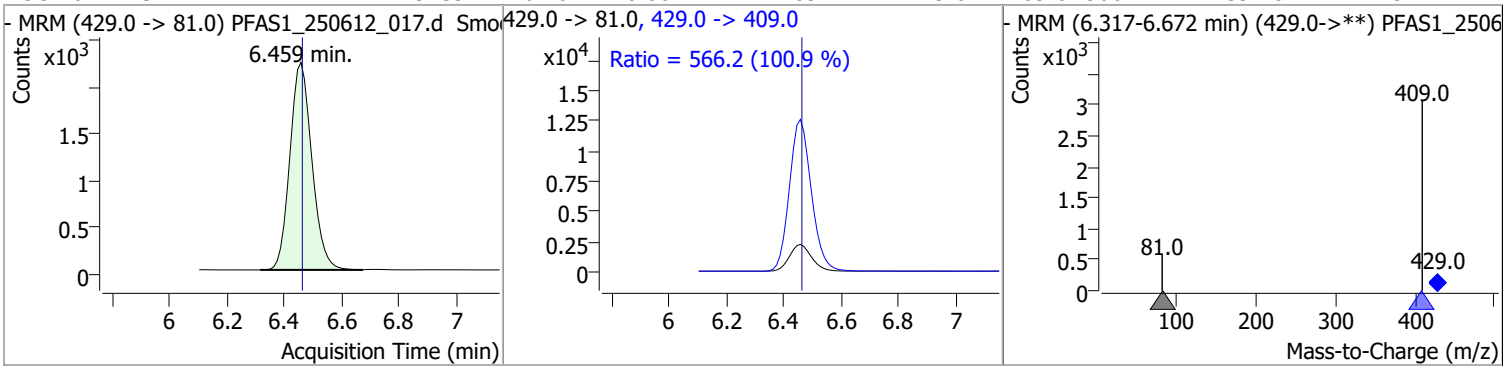
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.0002	6.24	0.00	125389	348.9 -> 99.0	47.4	33.0	61.3



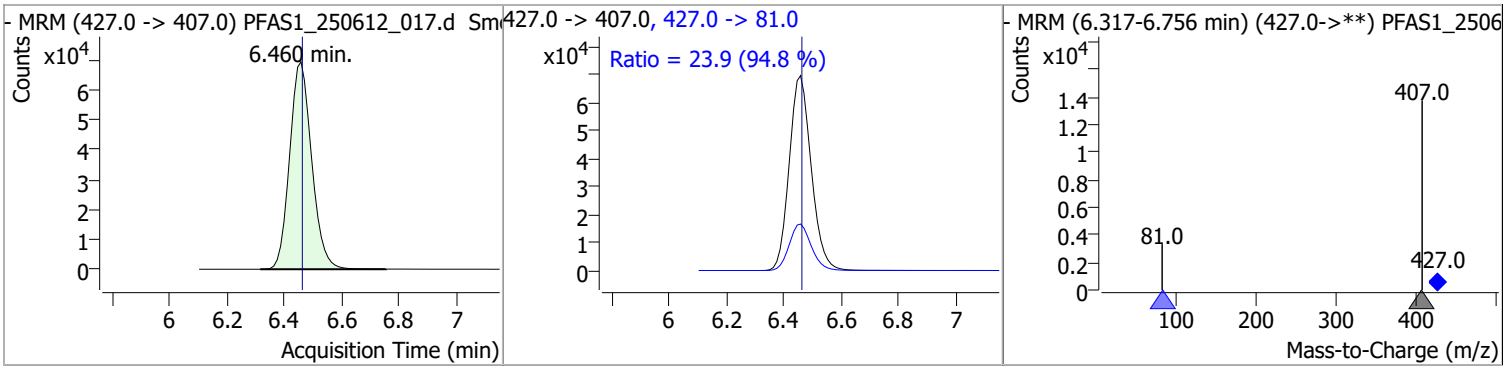
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	17.9980	6.33	0.00	1946556	377.0 -> 85.0	30.9	20.4	37.9



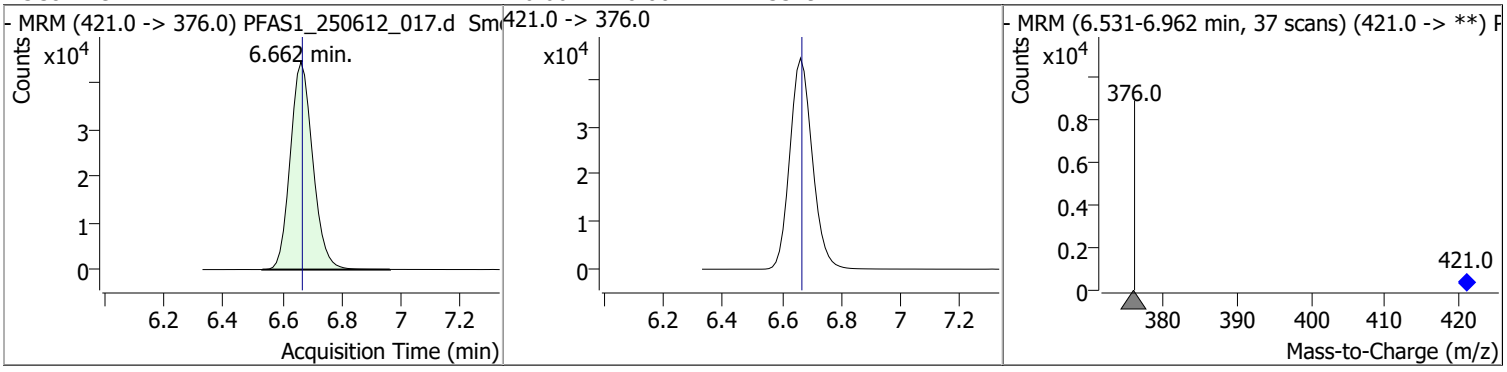
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.9739	6.46	0.00	11789	429.0 -> 409.0	566.2	392.8	729.4



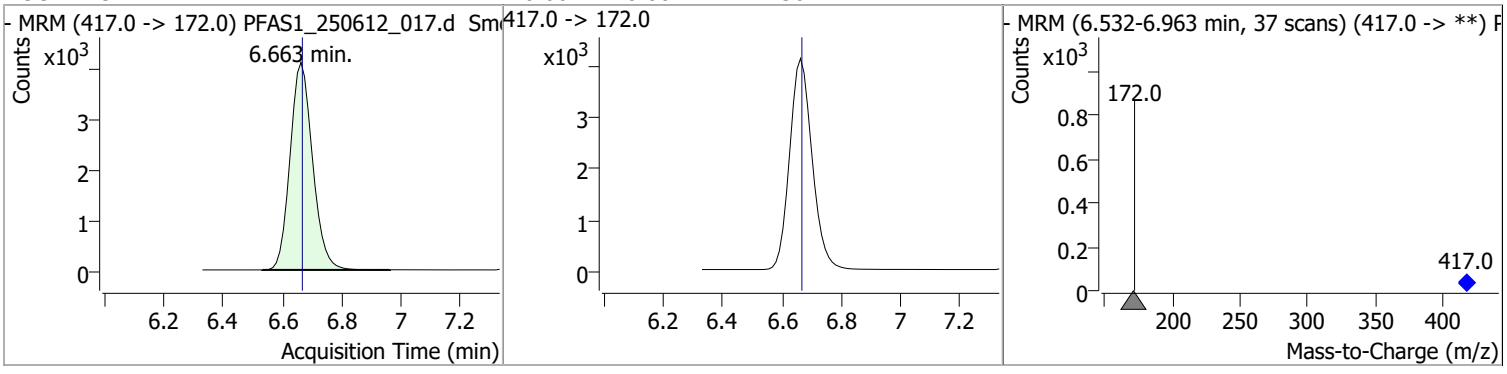
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.2030	6.46	0.00	370666	427.0 -> 81.0	23.9	17.7	32.8



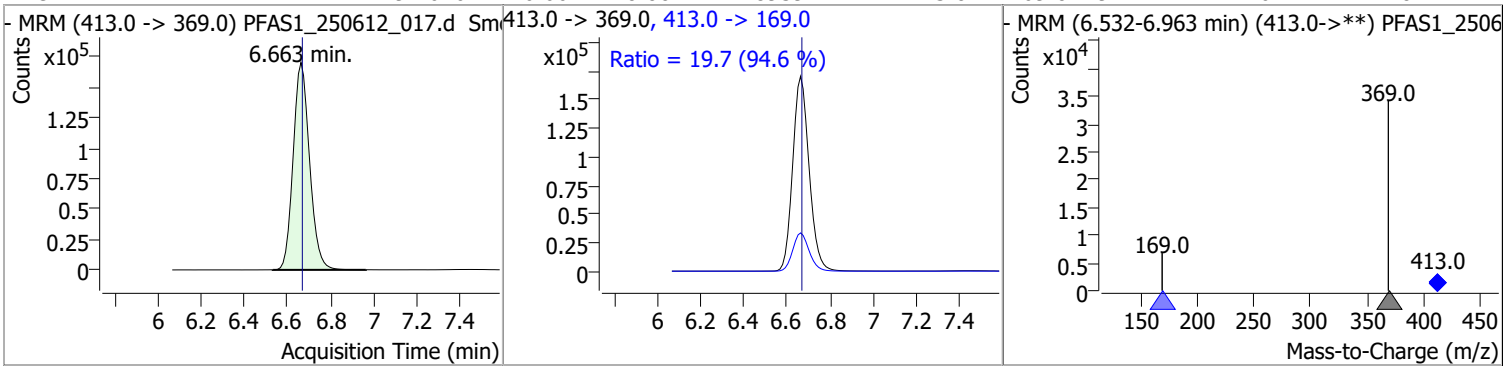
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4177	6.66	0.00	233494				



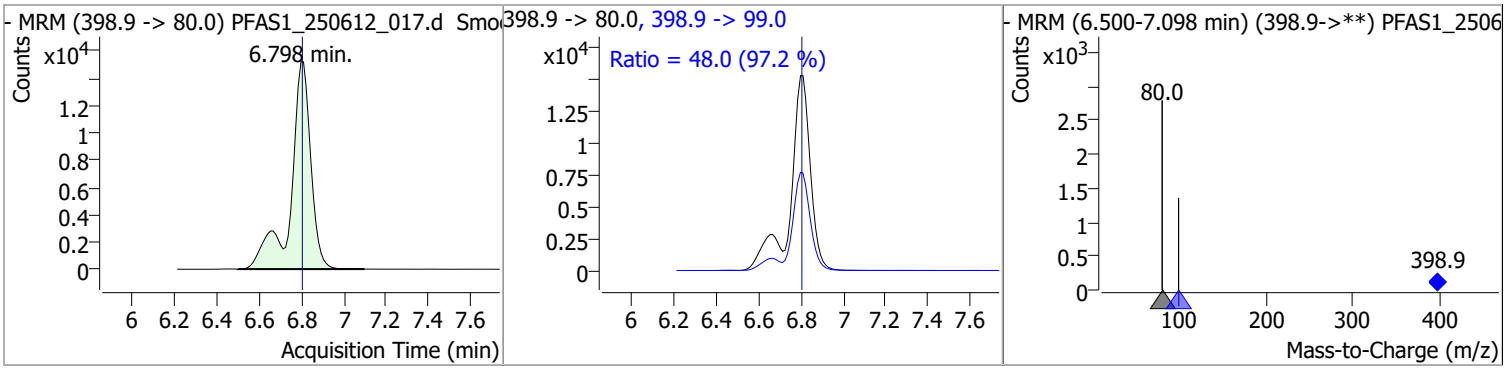
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21567				



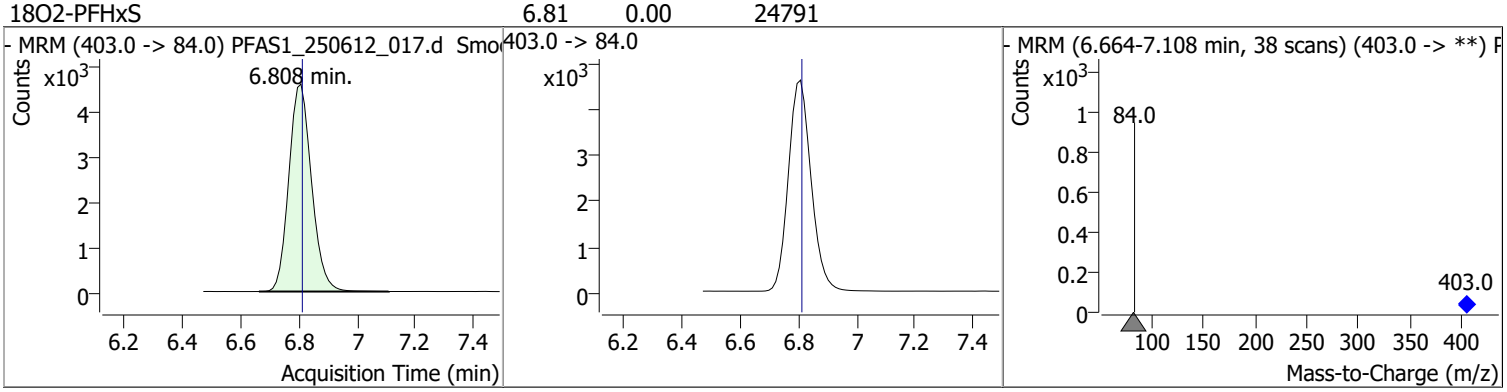
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.7646	6.66	0.00	895922	413.0 -> 169.0	19.7	14.6	27.0



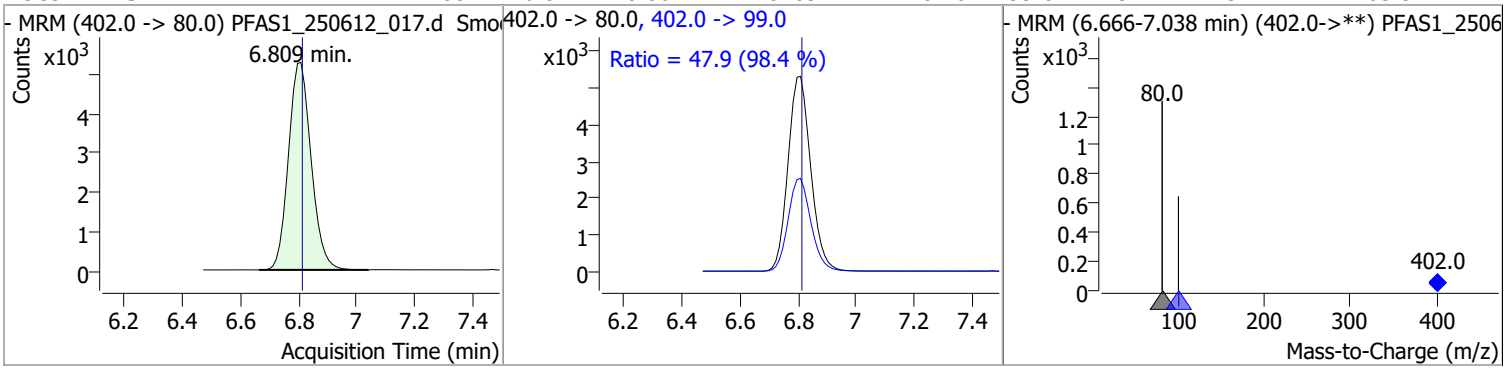
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	8.6871	6.80	0.00	100460	398.9 -> 99.0	48.0	34.6	64.2



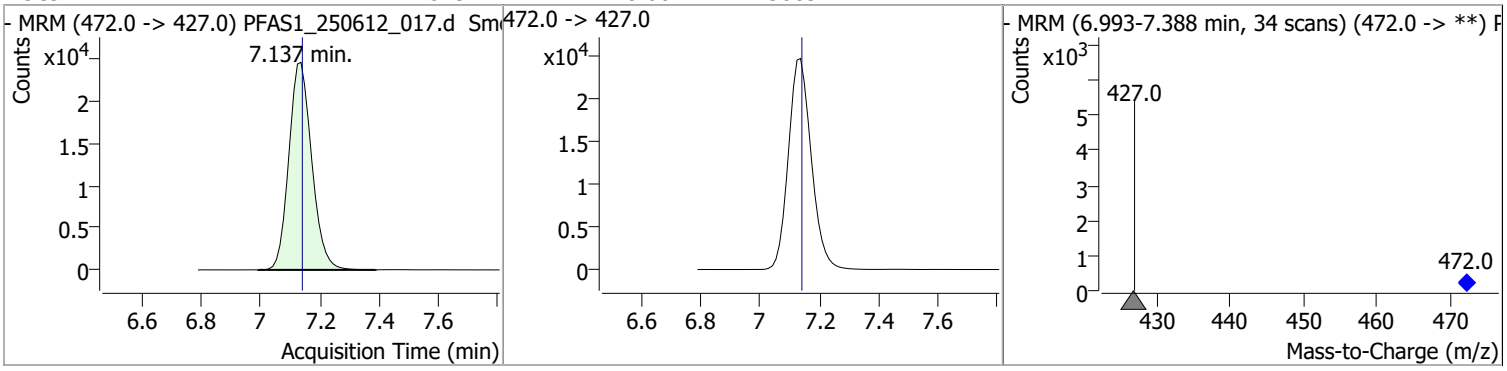
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	24791				



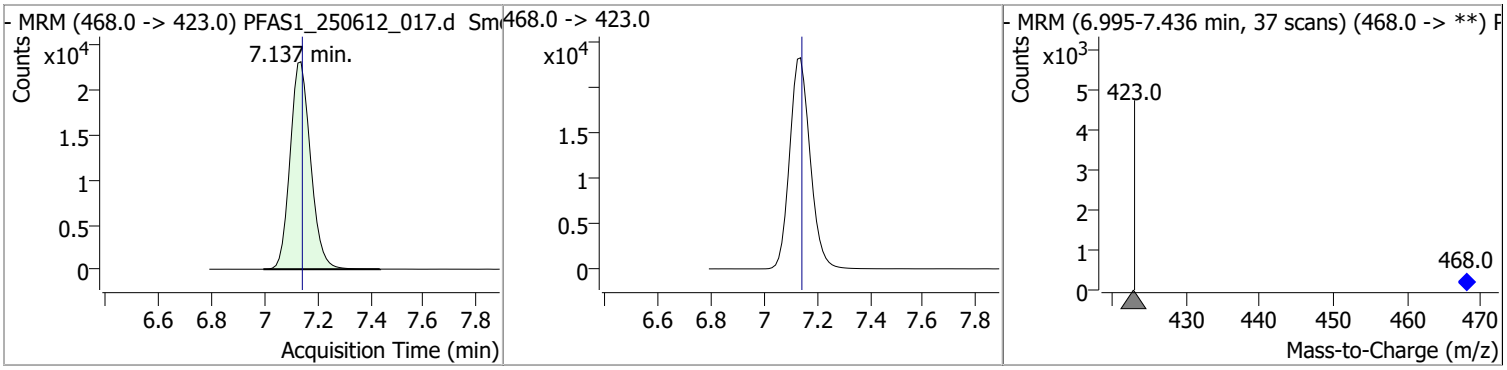
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4788	6.81	0.00	28209	402.0 -> 99.0	47.9	34.1	63.3



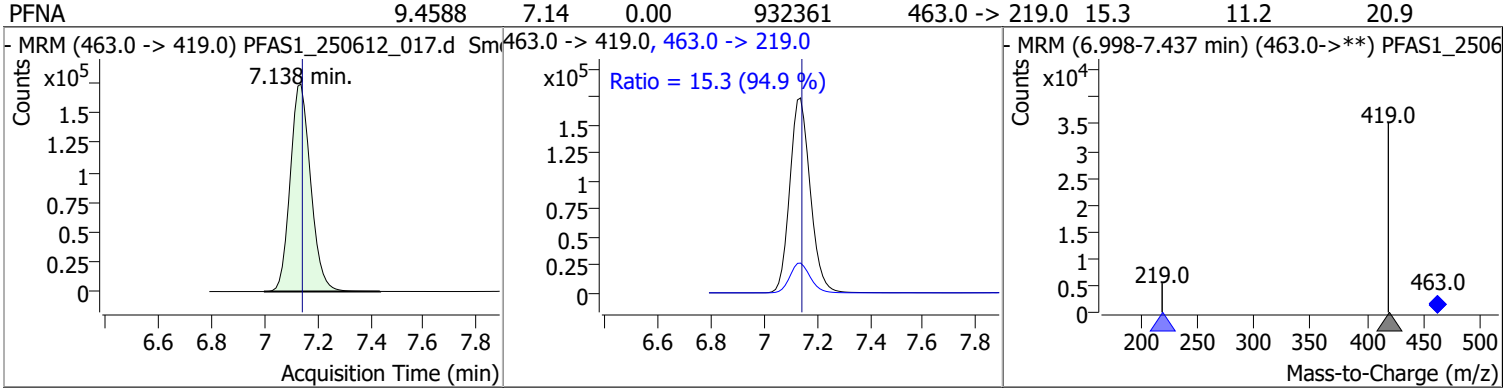
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2843	7.14	0.00	130891				



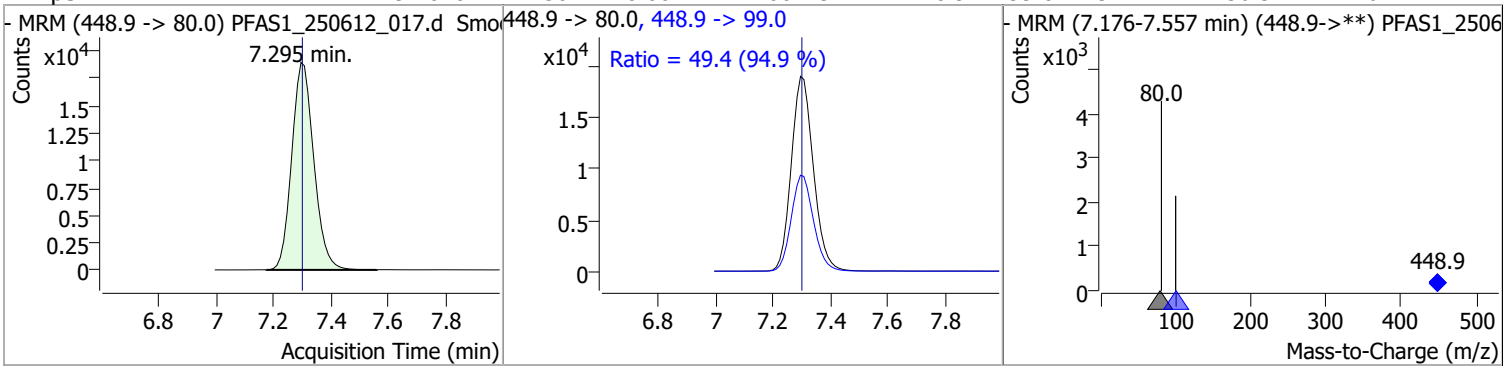
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	124289				



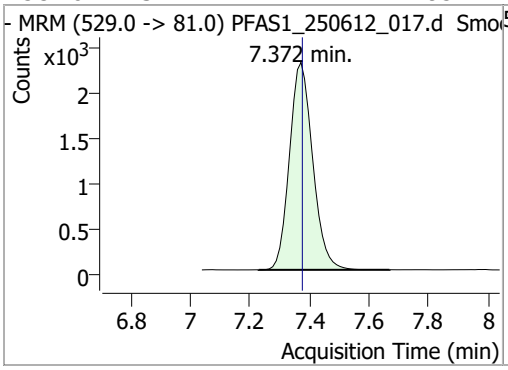
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.4588	7.14	0.00	932361	463.0 -> 219.0	15.3	11.2	20.9

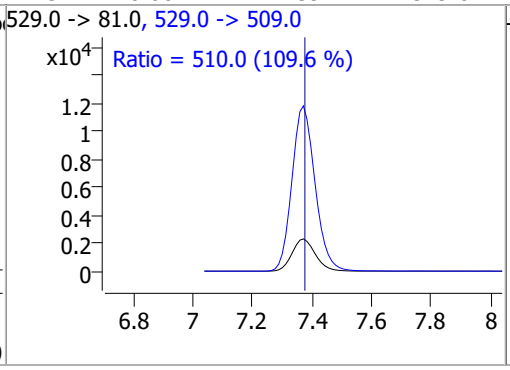


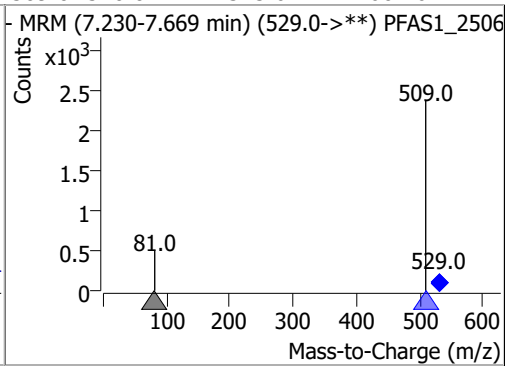
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.2848	7.30	0.00	100449	448.9 -> 99.0	49.4	36.5	67.7



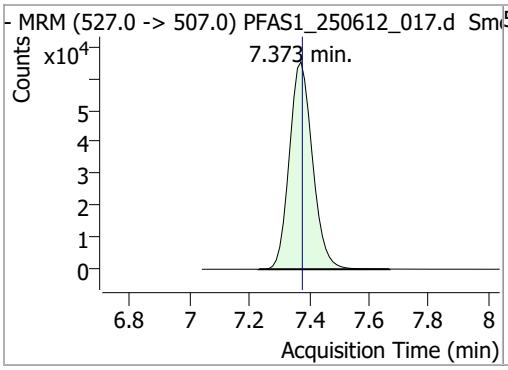
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7931	7.37	0.00	12439	529.0 -> 509.0	510.0	325.6	604.6

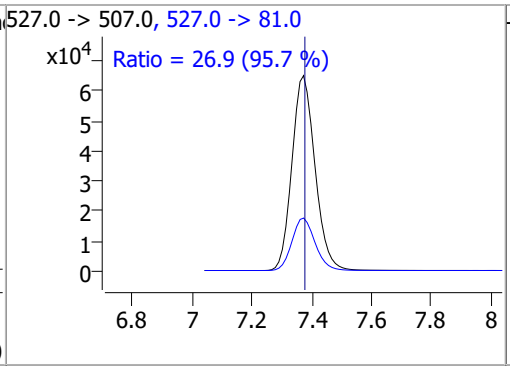


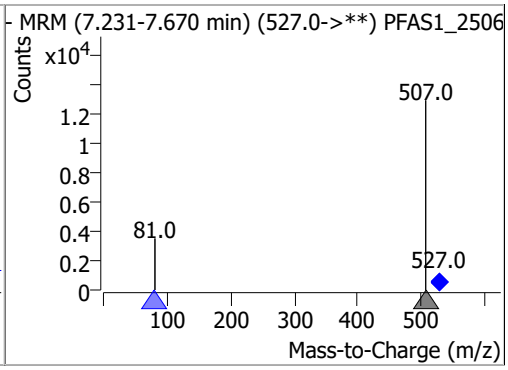




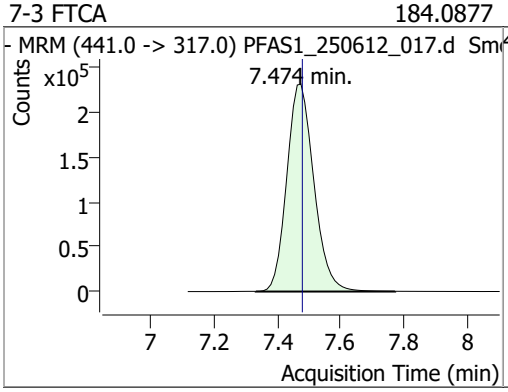
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	39.6245	7.37	0.00	350152	527.0 -> 81.0	26.9	19.7	36.6

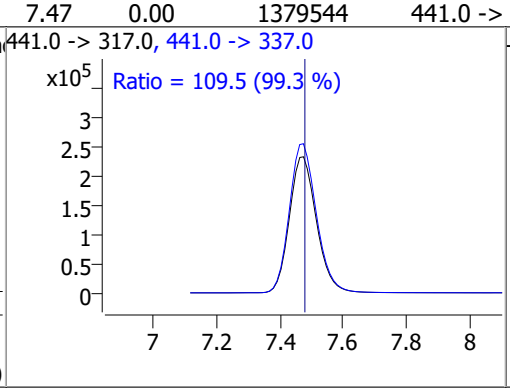


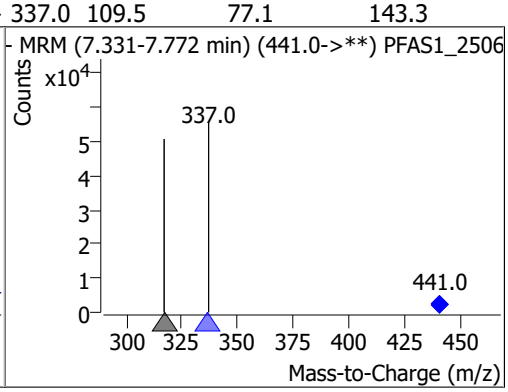




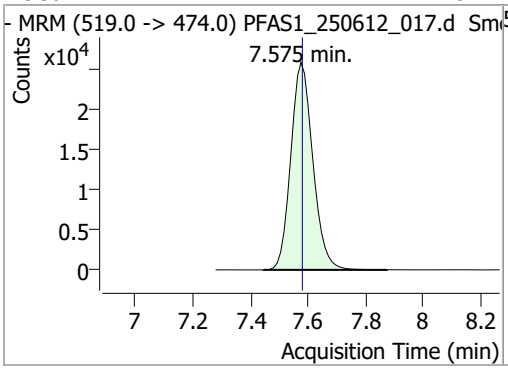
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	184.0877	7.47	0.00	1379544	441.0 -> 337.0	109.5	77.1	143.3

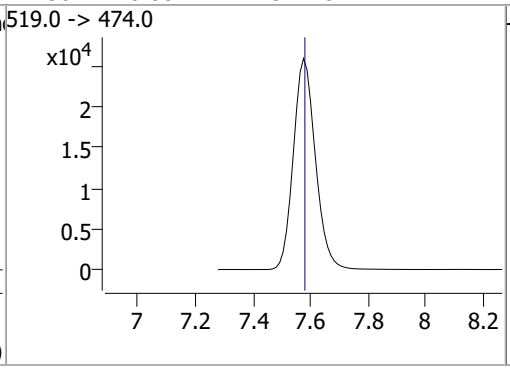


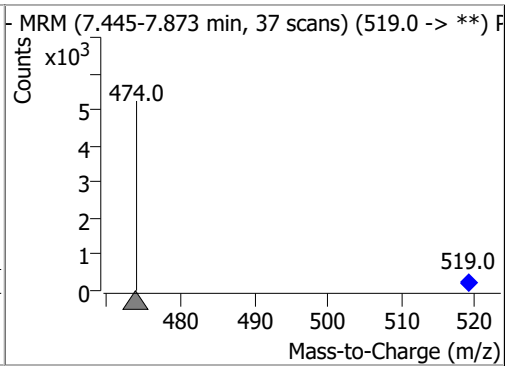




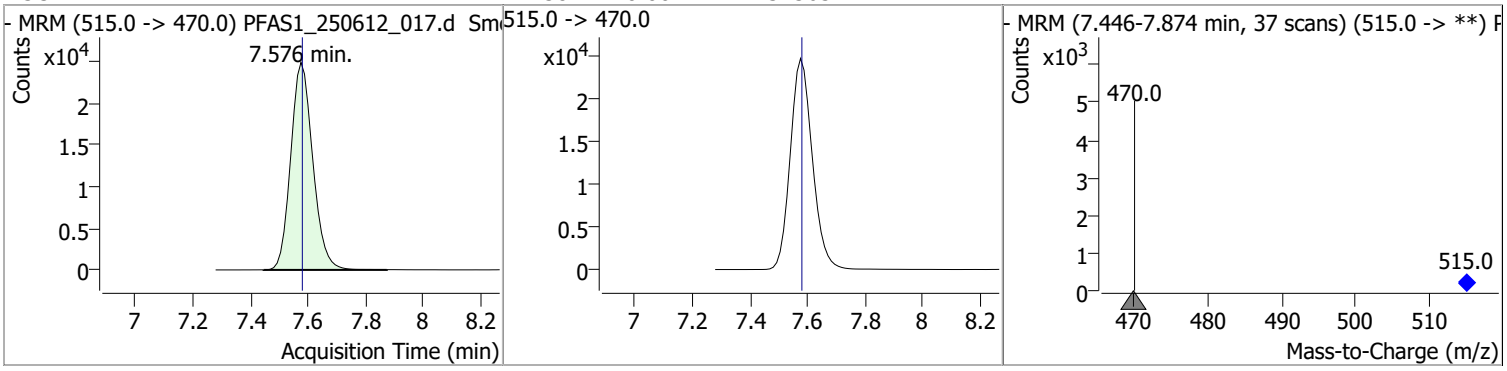
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2278	7.58	0.00	137170				



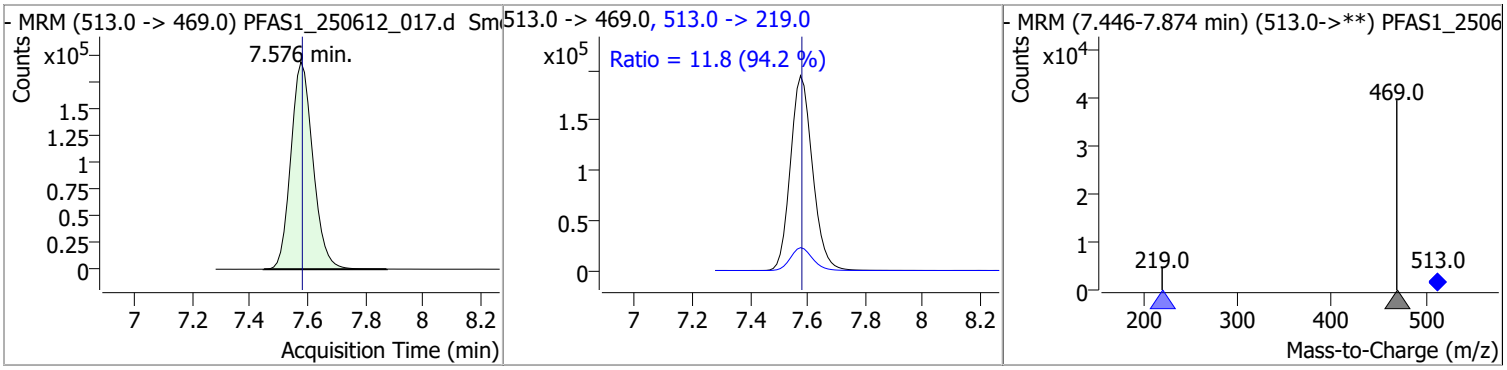




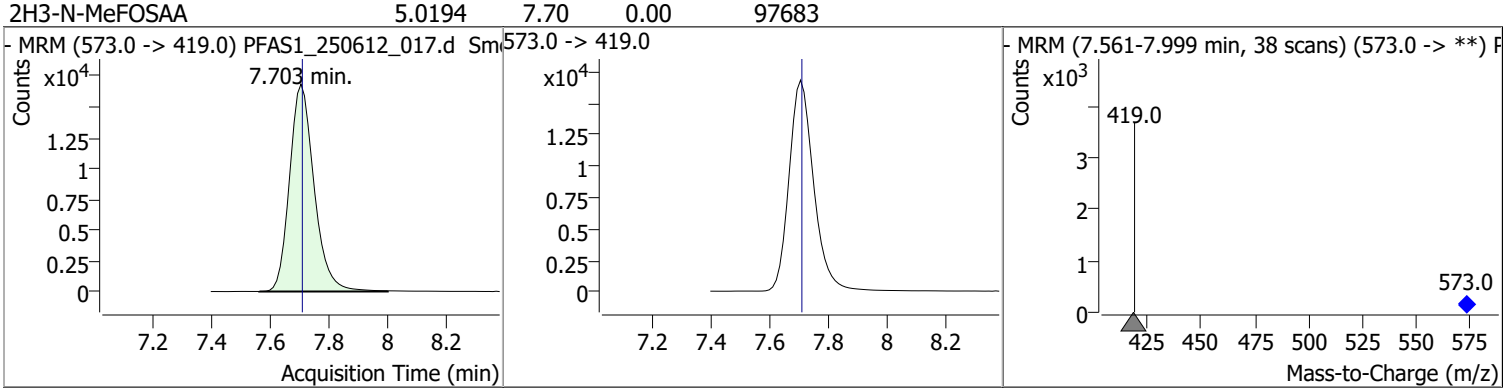
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	131565				



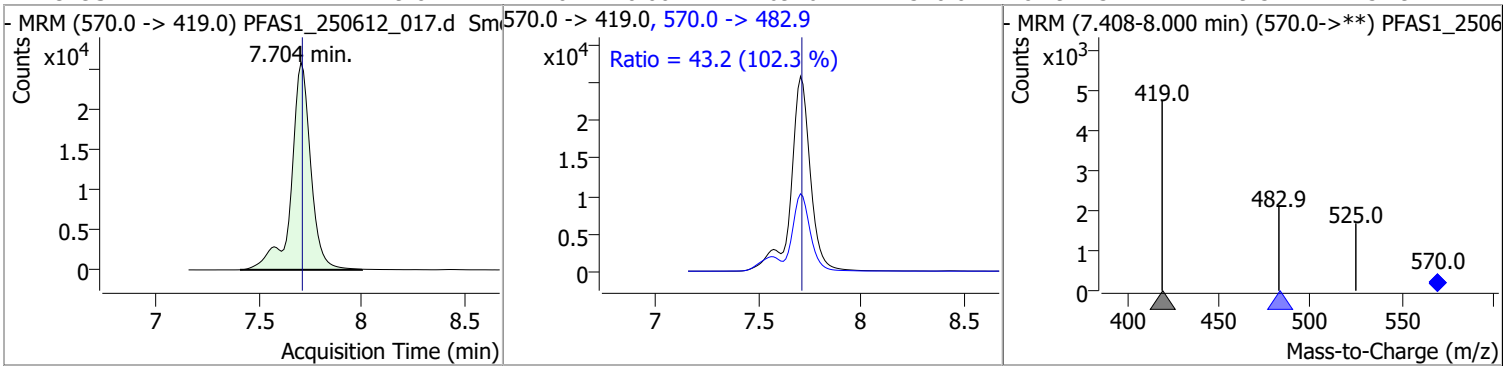
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.8518	7.58	0.00	1034585	513.0 -> 219.0	11.8	8.7	16.2



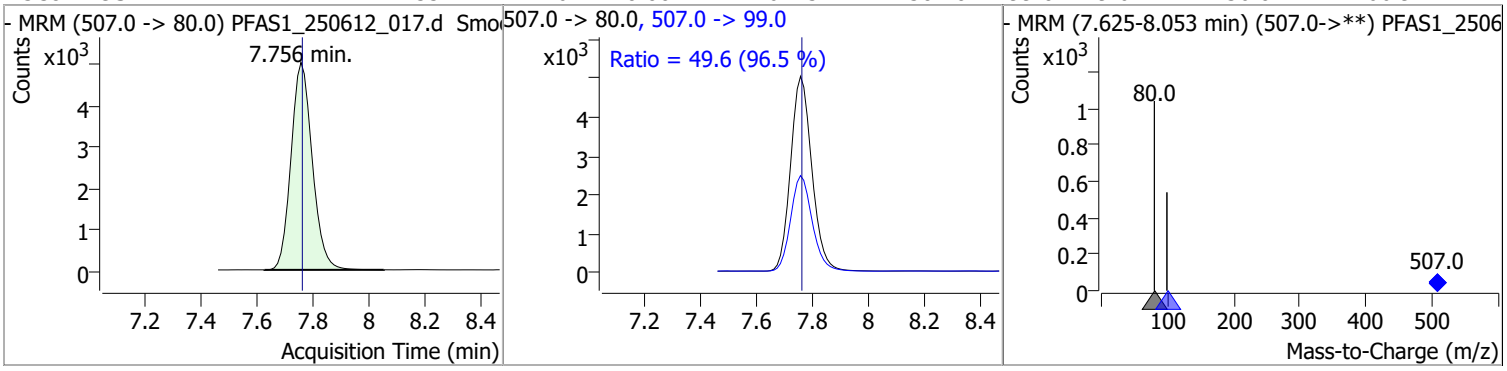
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0194	7.70	0.00	97683				



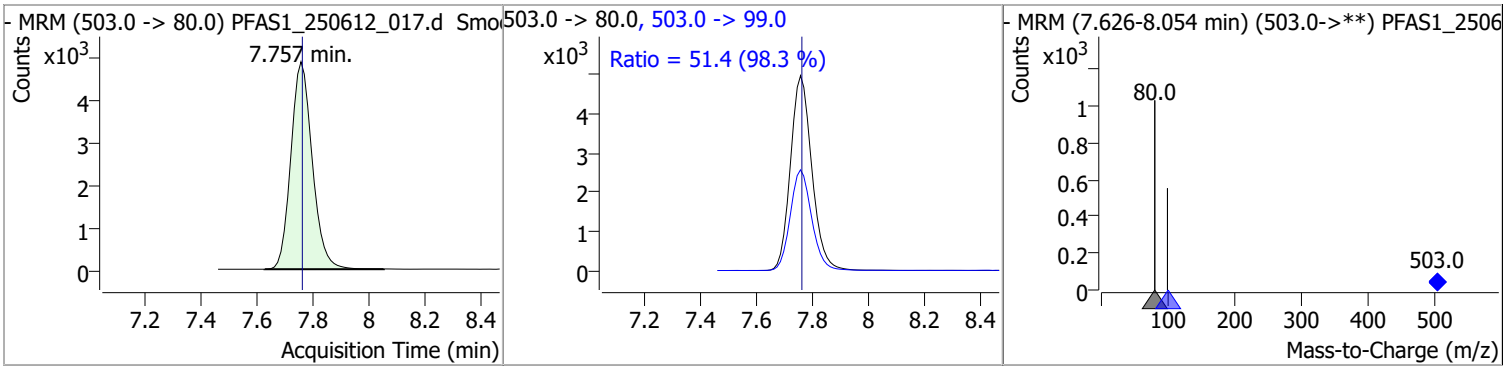
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.8412	7.70	0.00	169267	570.0 -> 482.9	43.2	29.5	54.9



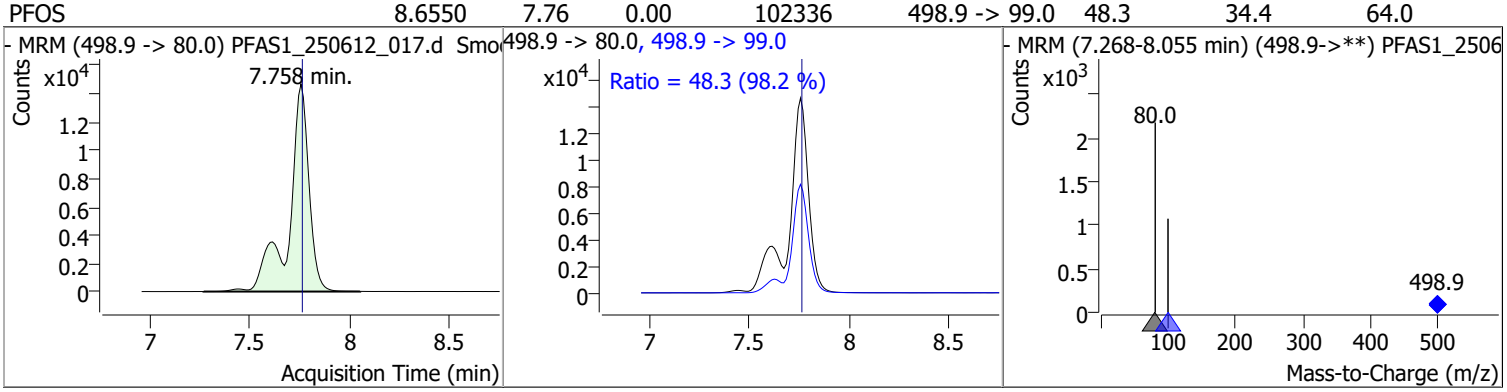
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5574	7.76	0.00	26415	507.0 -> 99.0	49.6	36.0	66.9



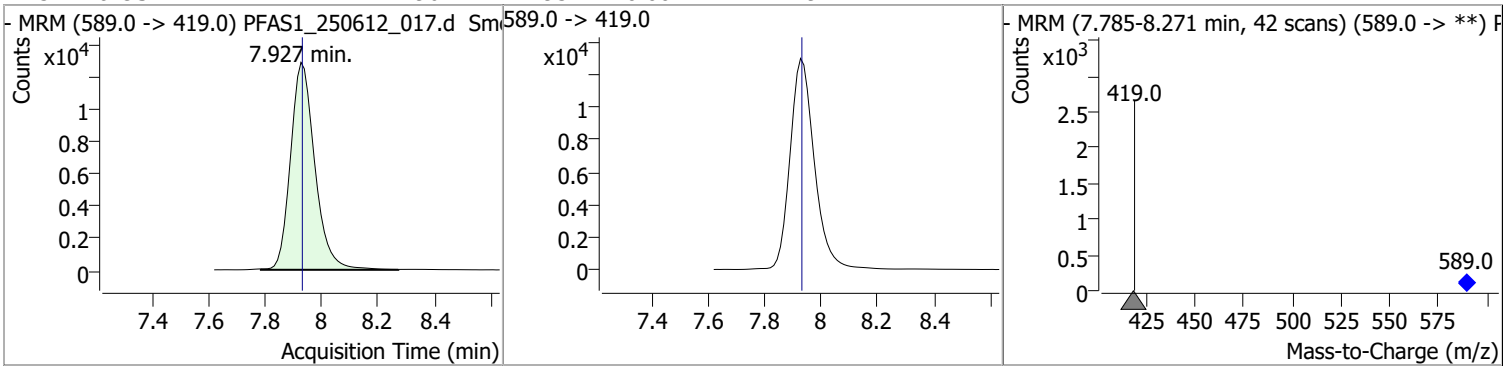
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26064	503.0 -> 99.0	51.4	36.6	67.9



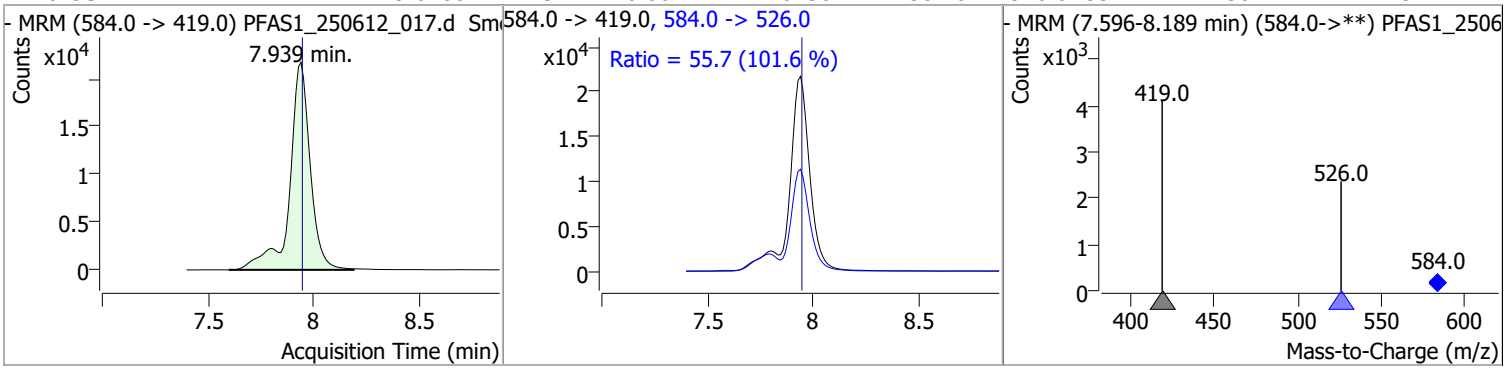
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.6550	7.76	0.00	102336	498.9 -> 99.0	48.3	34.4	64.0



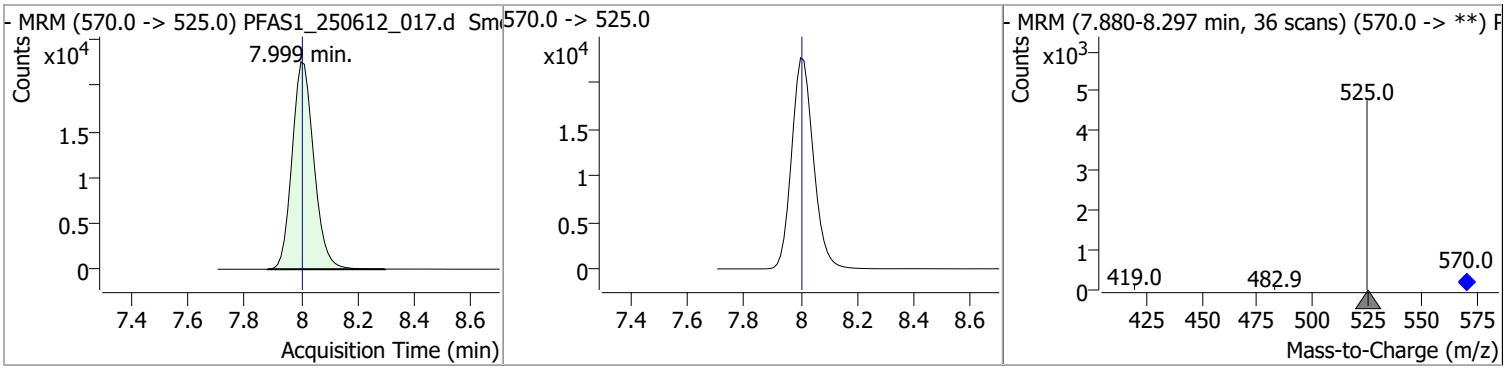
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.9644	7.93	0.00	77419				



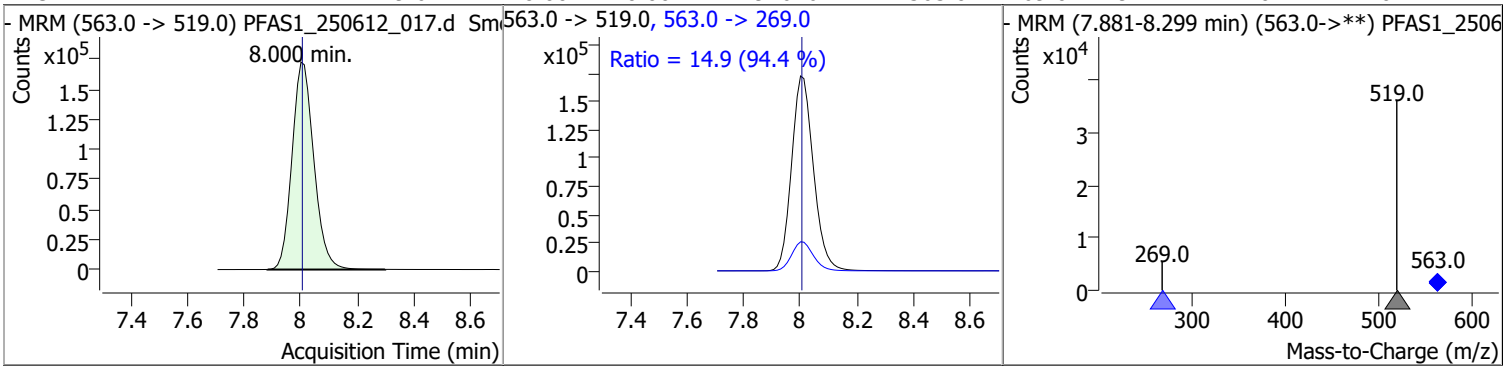
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.8200	7.94	0.00	146738	584.0 -> 526.0	55.7	38.4	71.3



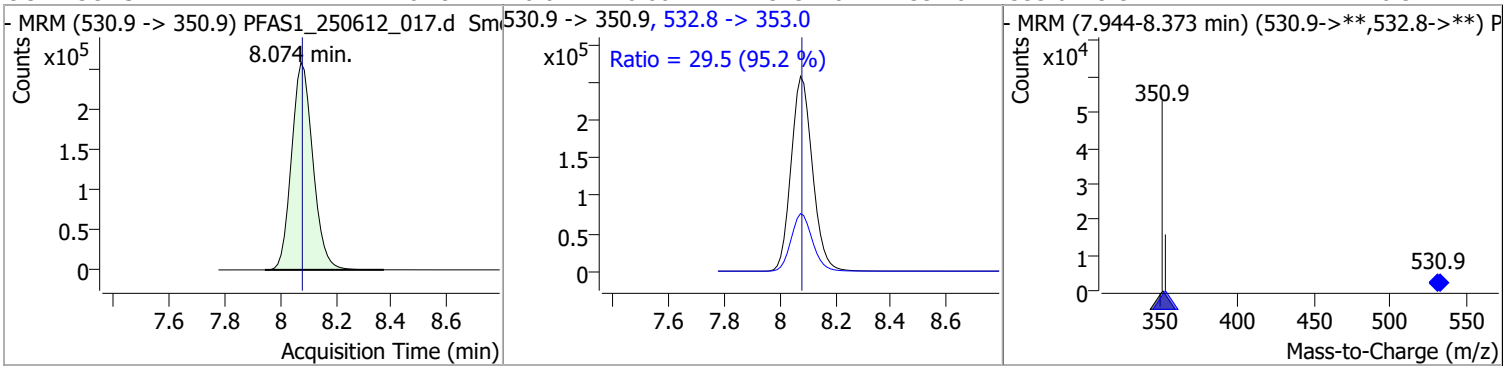
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2478	8.00	0.00	121041				



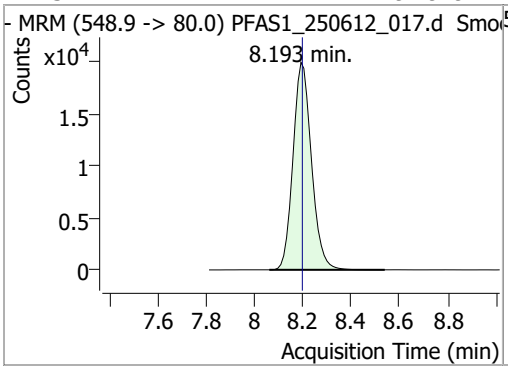
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6717	8.00	0.00	926762	563.0 -> 269.0	14.9	11.0	20.4

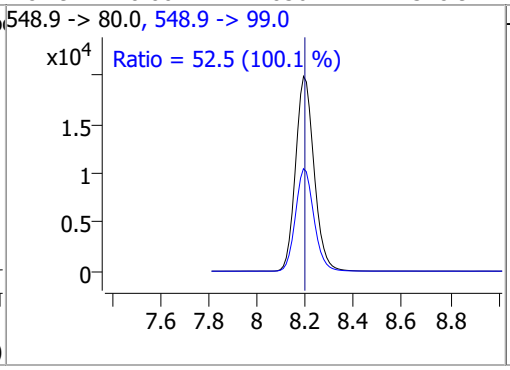


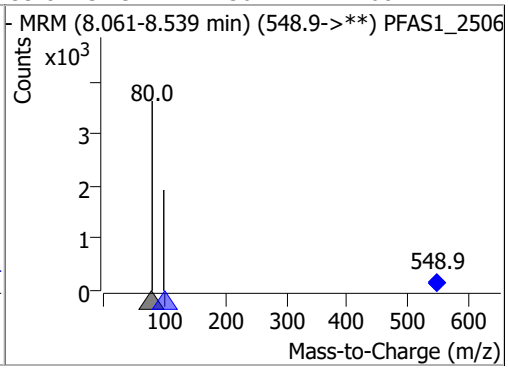
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.2947	8.07	0.00	1373228	532.8 -> 353.0	29.5	21.7	40.3



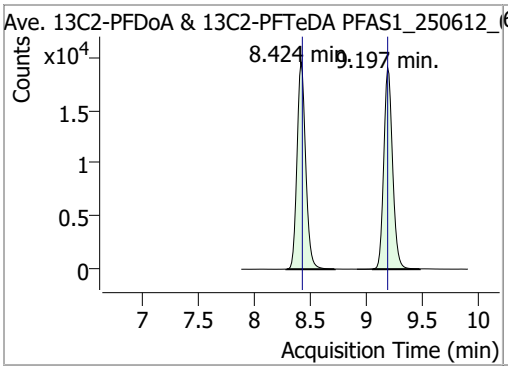
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.4919	8.19	0.00	105641	548.9 -> 99.0	52.5	36.7	68.1

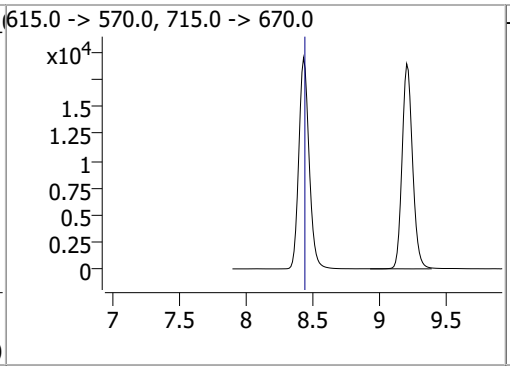


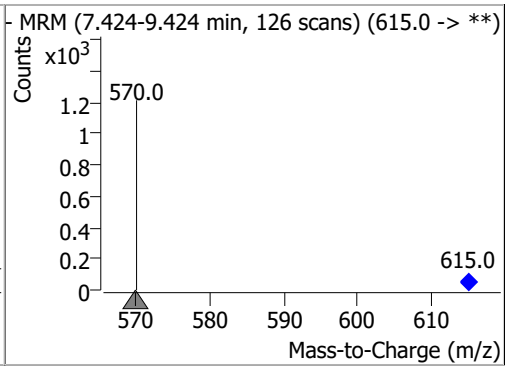




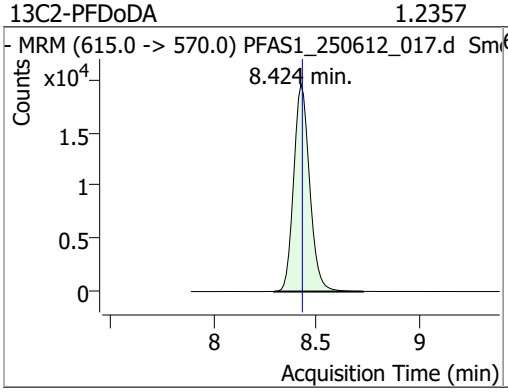
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2457	8.81	0.39	103821				

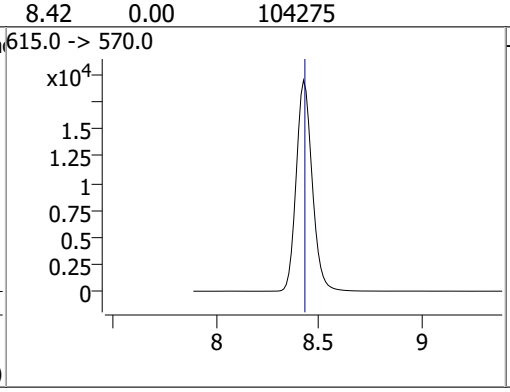


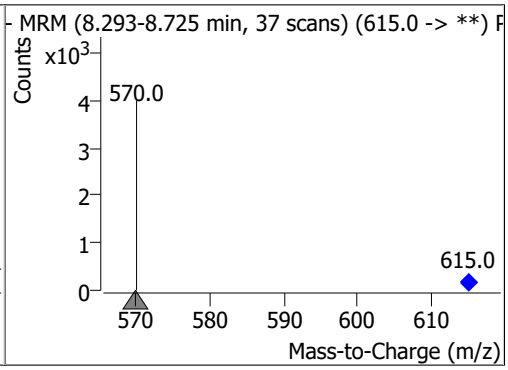




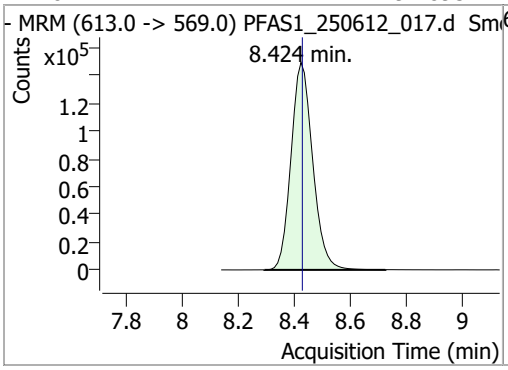
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2357	8.42	0.00	104275				

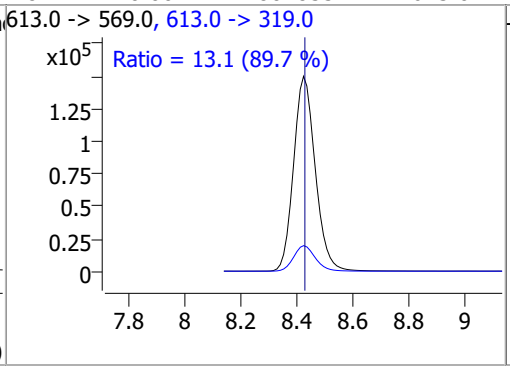


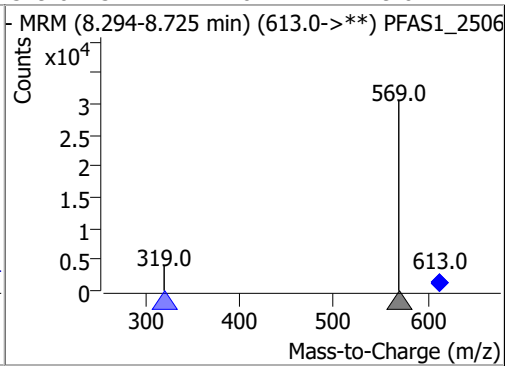




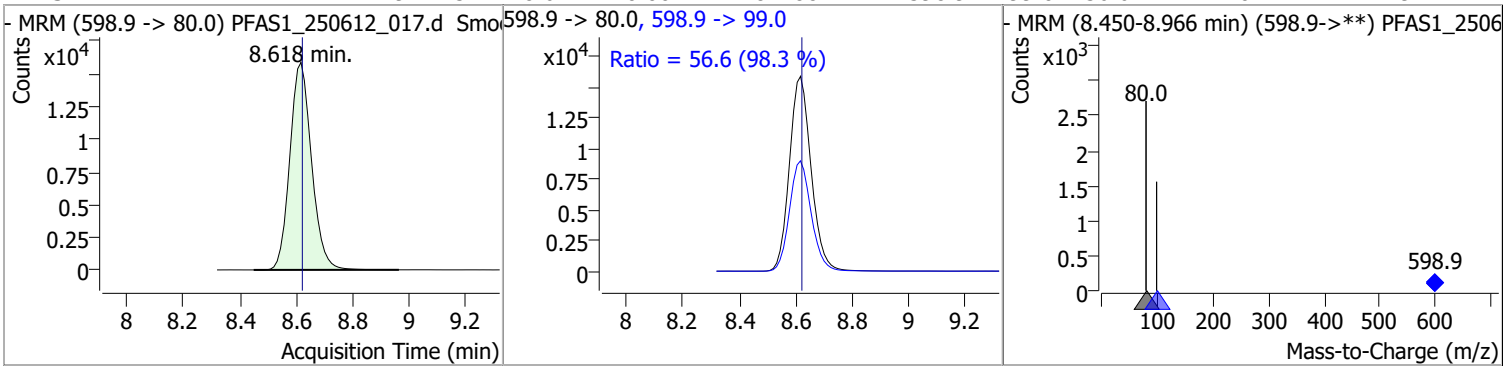
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.7895	8.42	0.00	802855	613.0 -> 319.0	13.1	10.2	19.0



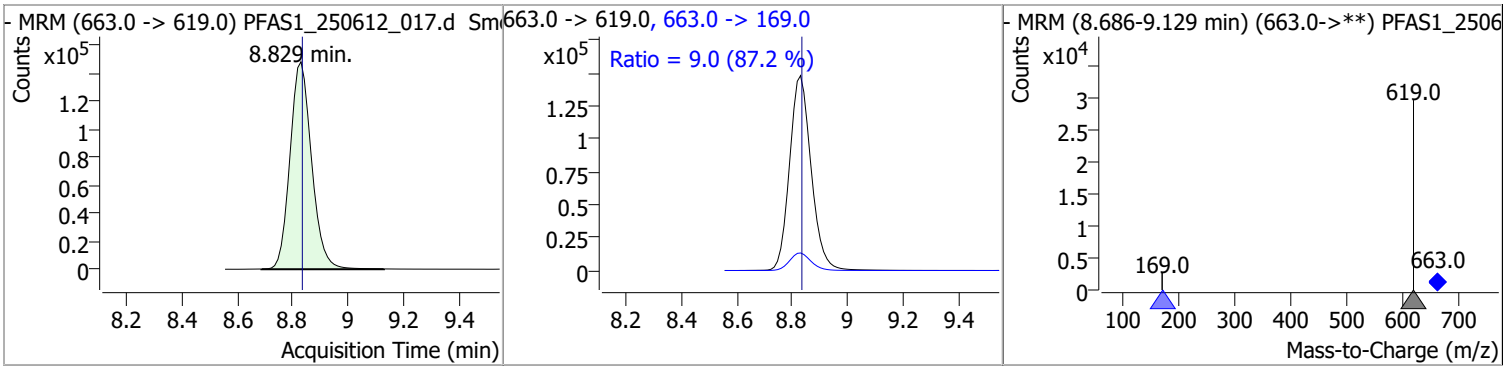




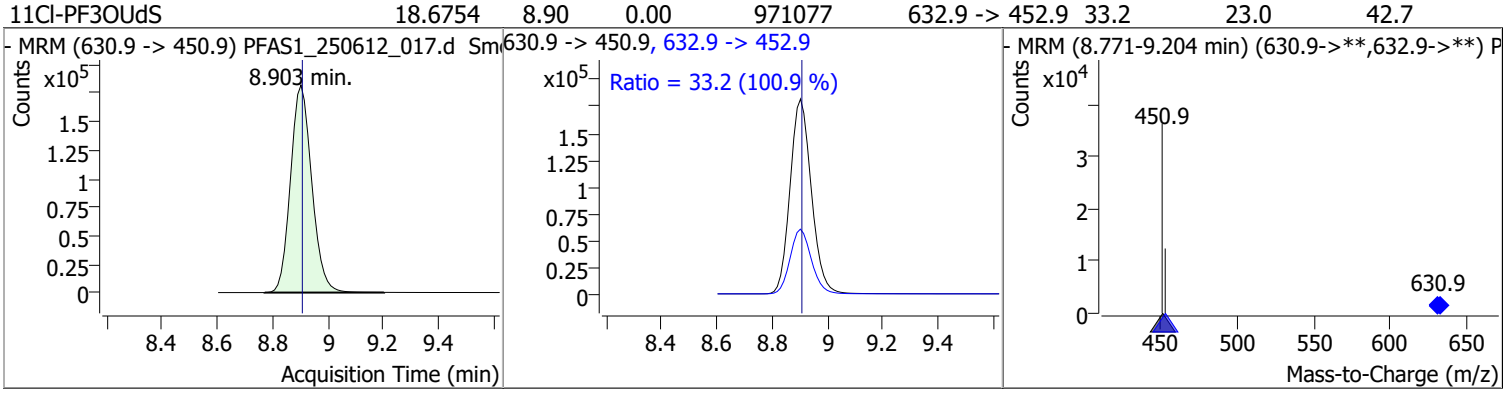
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	9.2225	8.62	0.00	84488	598.9 -> 99.0	56.6	40.4	74.9



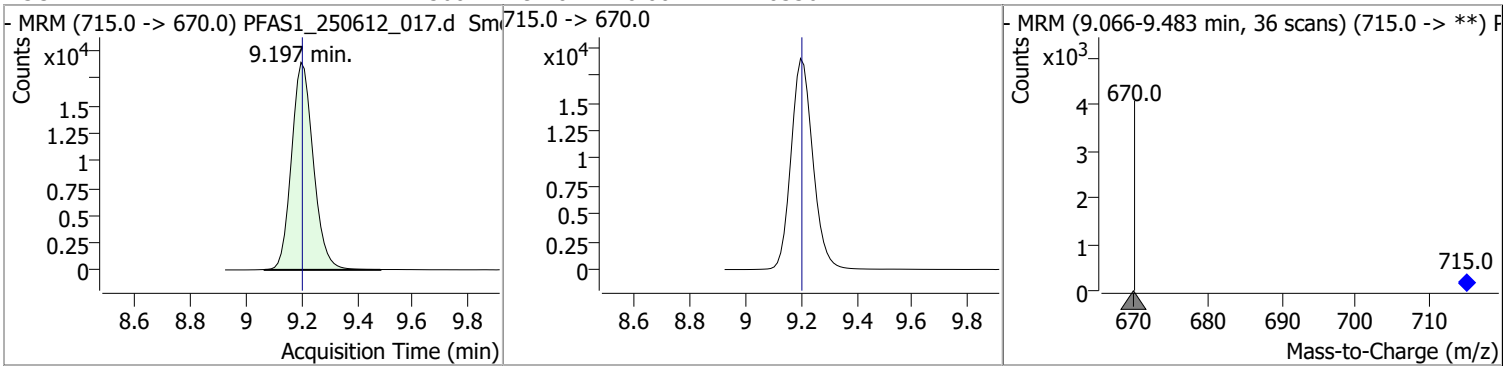
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.7236	8.83	0.00	801281	663.0 -> 169.0	9.0	7.2	13.4



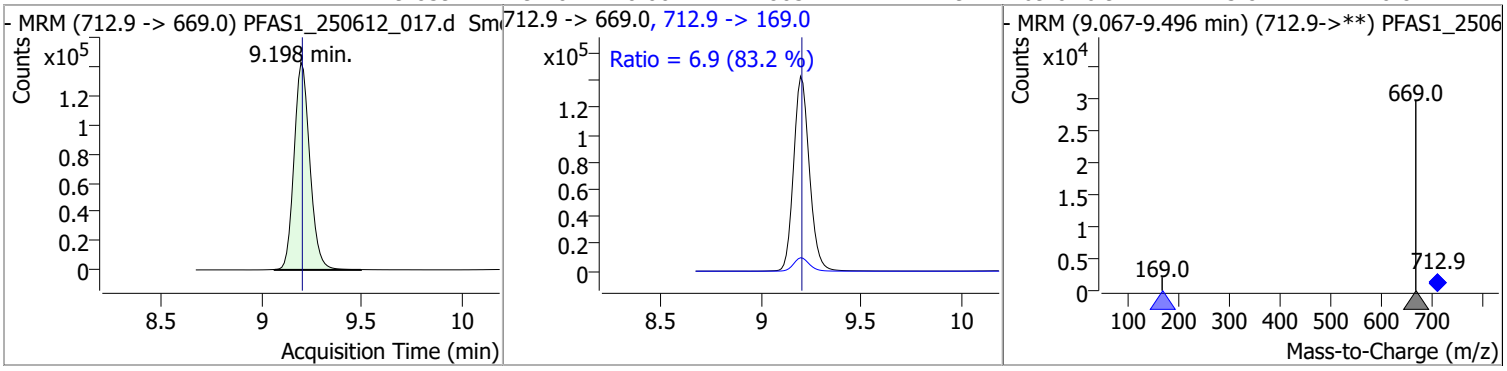
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	18.6754	8.90	0.00	971077	632.9 -> 452.9	33.2	23.0	42.7



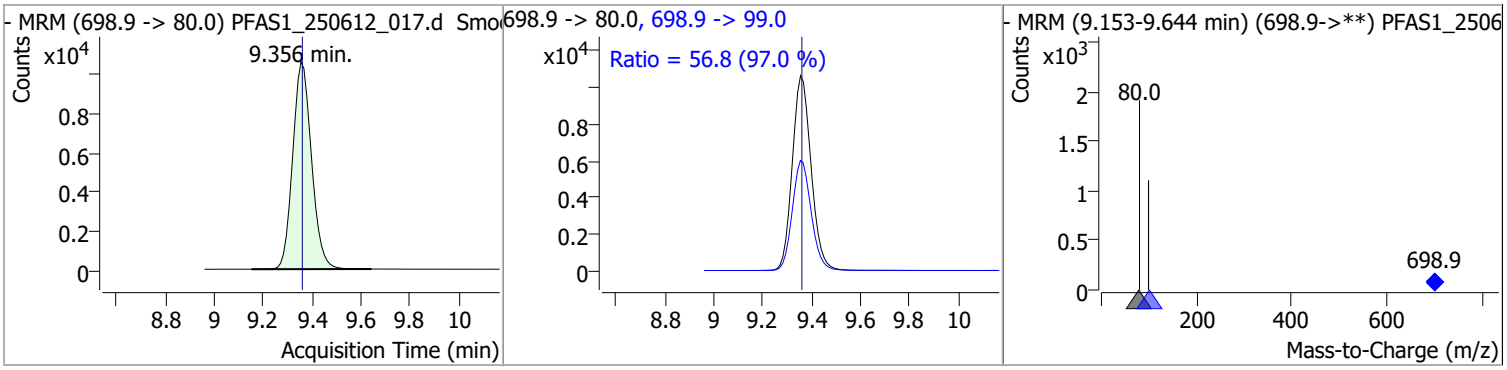
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2560	9.20	0.00	103367				



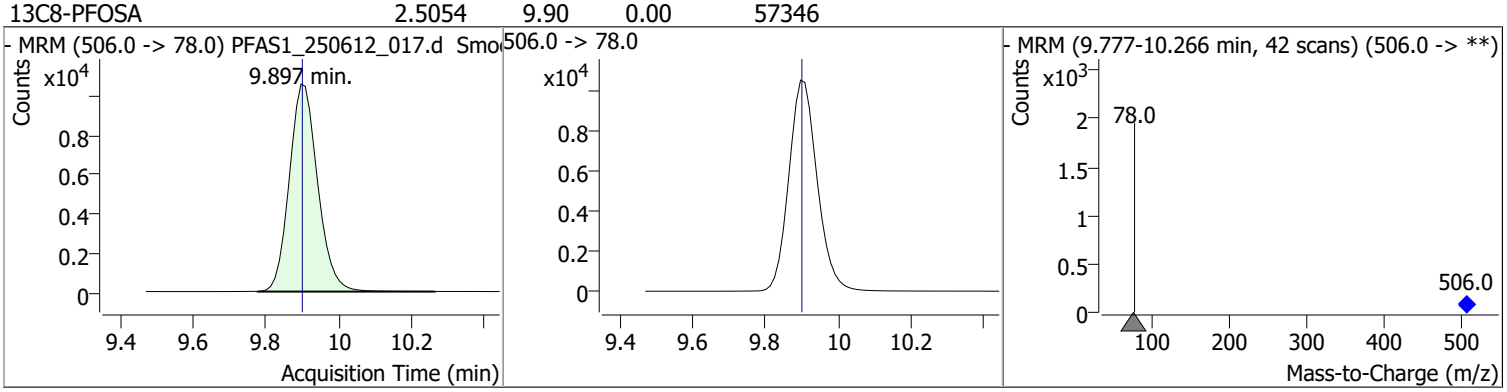
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.8391	9.20	0.00	780344	712.9 -> 169.0	6.9	5.8	10.8



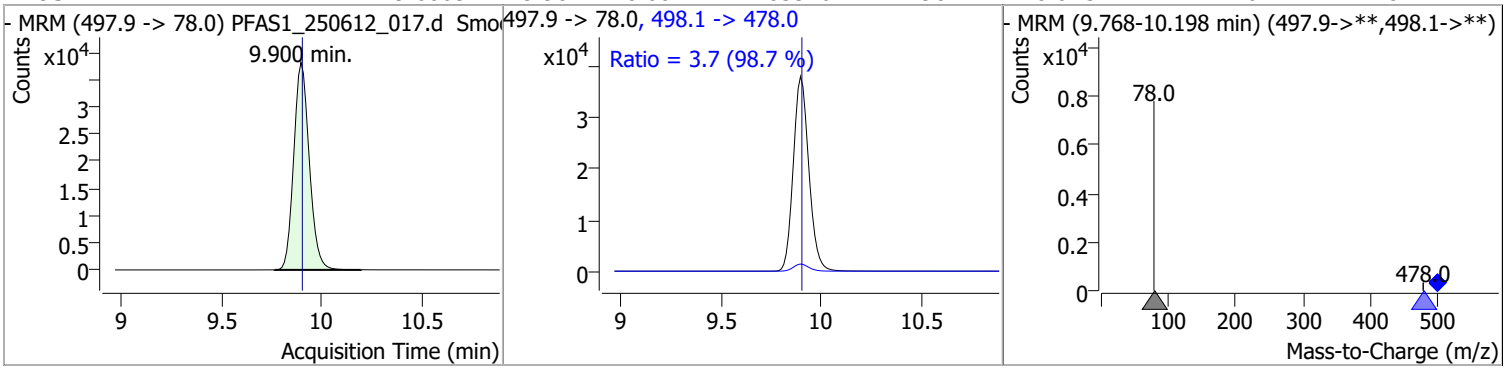
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.3826	9.36	0.00	56549	698.9 -> 99.0	56.8	41.0	76.1



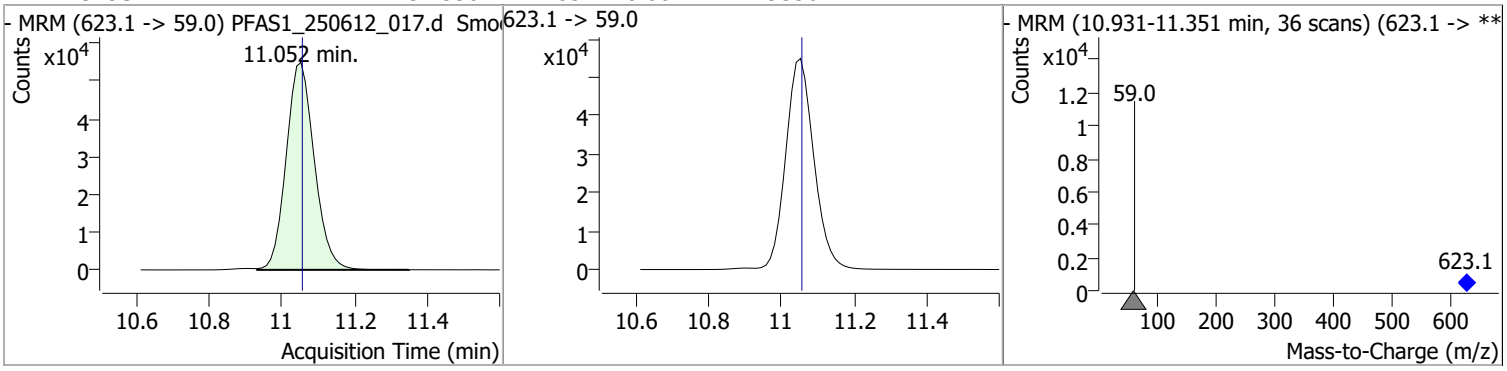
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5054	9.90	0.00	57346				



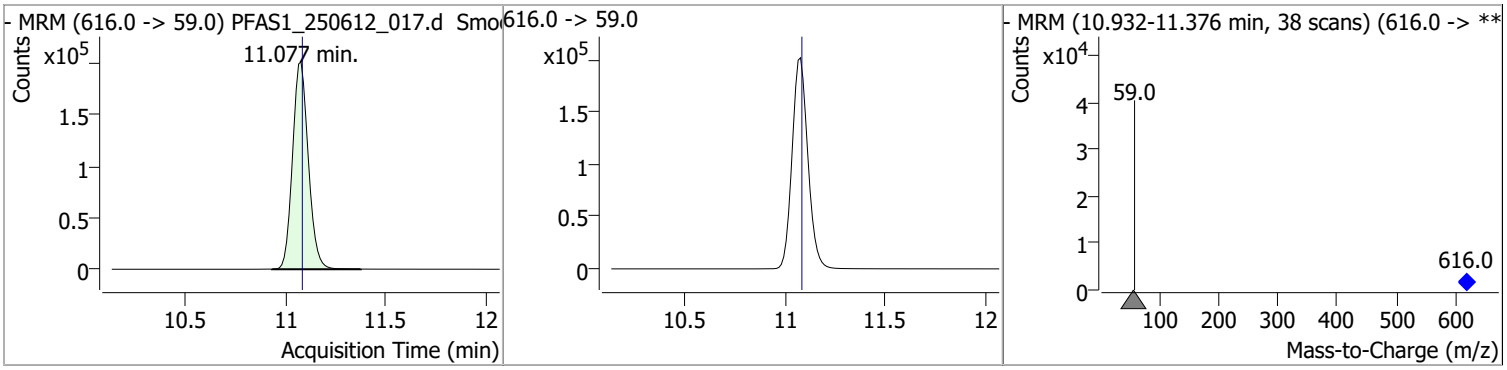
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.6805	9.90	0.00	205526	498.1 -> 478.0	3.7	2.6	4.8



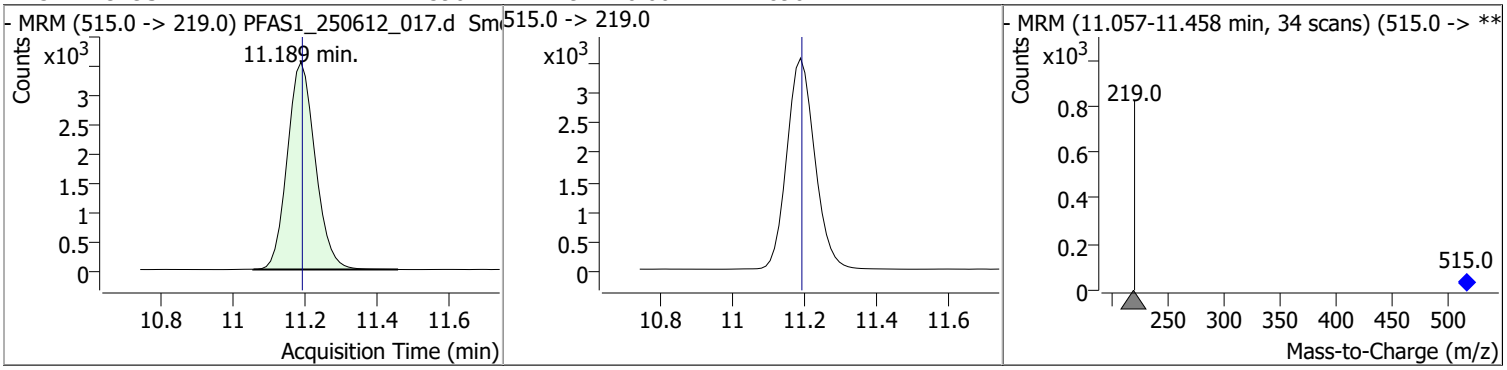
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.7558	11.05	0.00	295367				



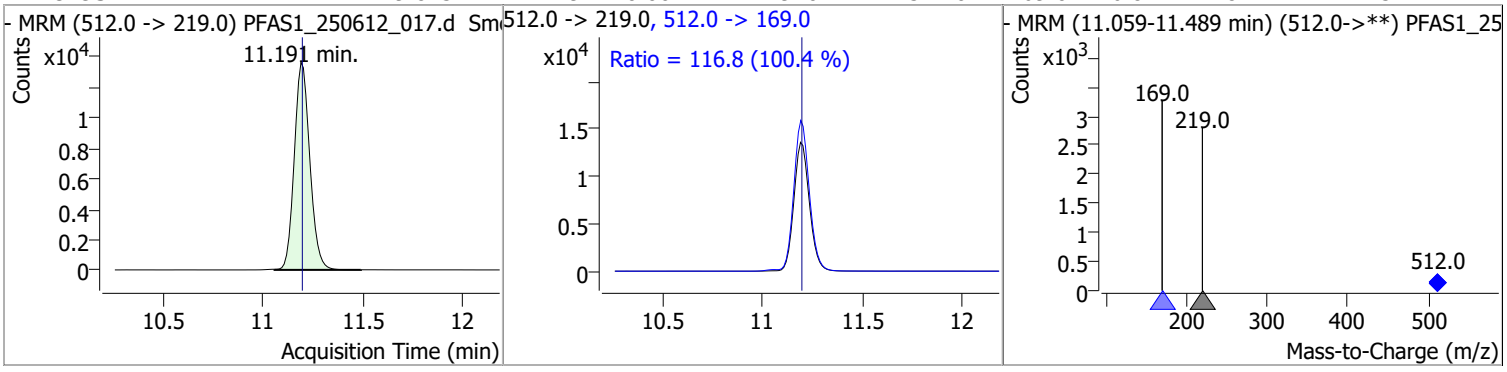
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	97.1432	11.08	0.00	1098728				



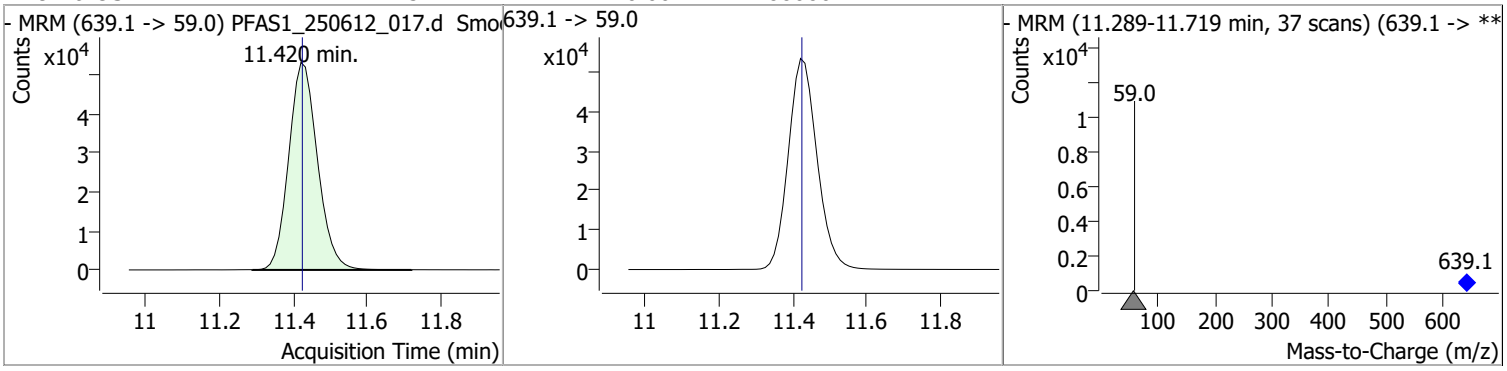
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4590	11.19	0.00	18902				



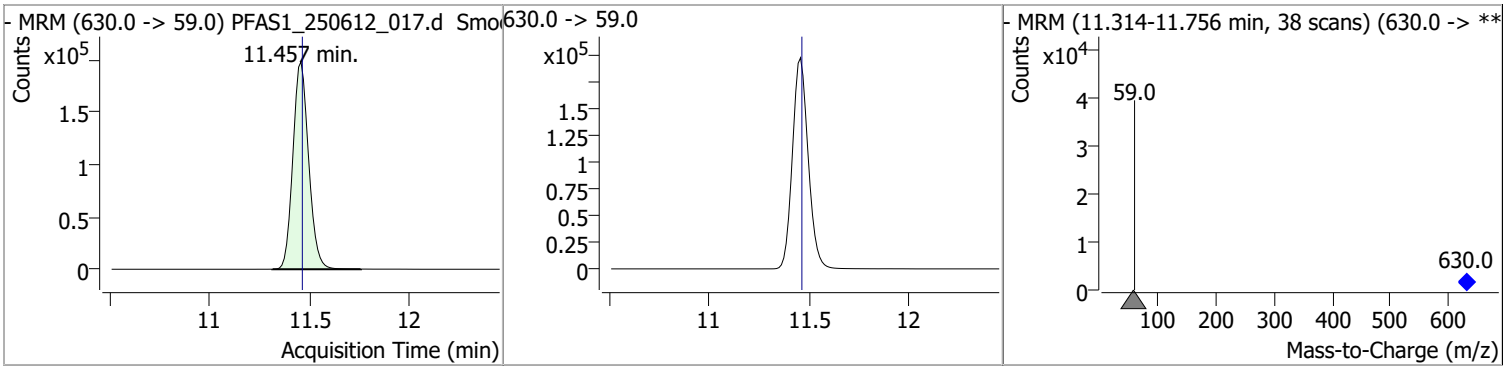
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8237	11.19	0.00	72970	512.0 -> 169.0	116.8	81.4	151.2



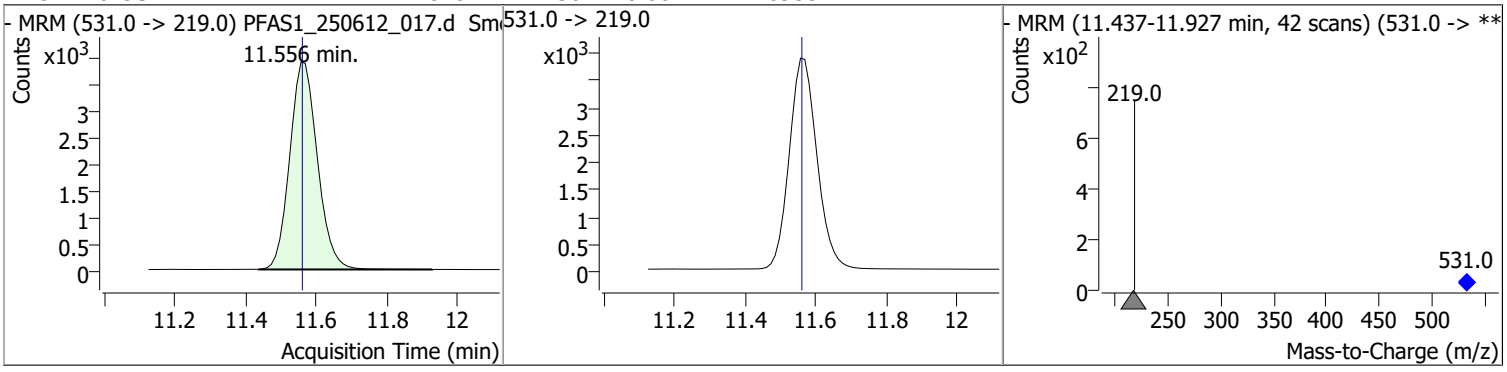
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.1114	11.42	0.00	288080				



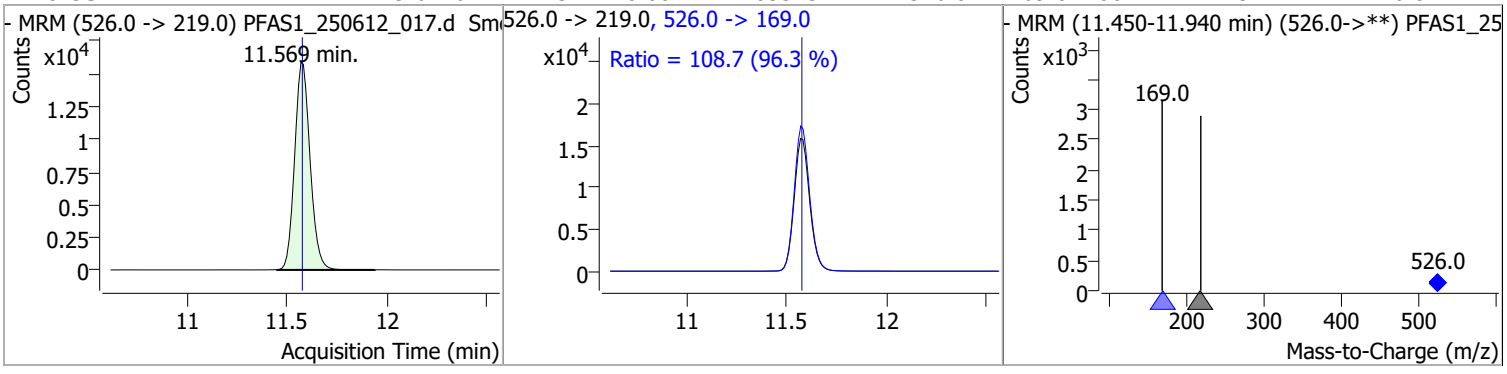
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	100.8490	11.46	0.00	1079910				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4810	11.56	0.00	20955				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	9.6446	11.57	0.00	85545	526.0 -> 169.0	108.7	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_018.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 5:13:12 PM
Sample Name	SEQ-CAL7	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

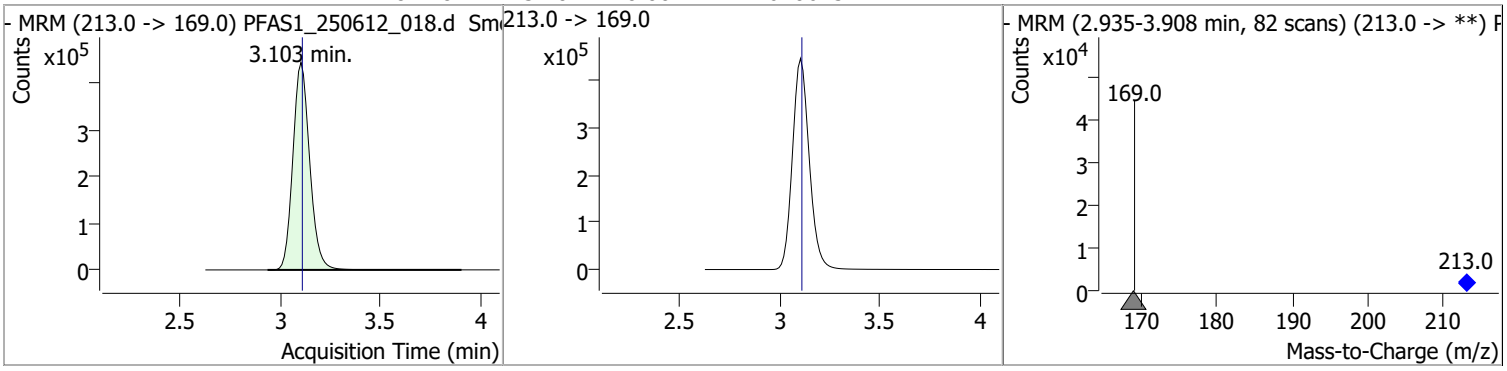
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.099	216.0 -> 172.0	151396	5.0000	µg/L		-4.287
13C2-PFHxA	5.479	315.0 -> 270.0	172771	2.5000	µg/L		-3.305
18O2-PFHxS	6.796	403.0 -> 84.0	22271	2.5000	µg/L		-5.231
13C4-PFOA	6.663	417.0 -> 172.0	19783	2.5000	µg/L		-2.039
13C5-PFNA	7.125	468.0 -> 423.0	116523	1.2500	µg/L		-2.636
13C2-PFDA	7.576	515.0 -> 470.0	121723	1.2500	µg/L		-2.724
13C4-PFOS	7.757	503.0 -> 80.0	23851	2.5000	µg/L		-4.467
System Monitoring Compounds							
13C4-PFBA	3.095	217.0 -> 172.0	350987	10.0000	µg/L		-3.837
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.41%			
13C4-PFBA	3.095	217.0 -> 172.0	350987	10.0000	µg/L		-3.837
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.41%			
13C5-PFPeA	4.594	268.0 -> 223.0	265969	5.0000	µg/L		-1.407
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.00%			
13C5-PFPeA	4.594	268.0 -> 223.0	265969	5.0000	µg/L		-1.407
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.00%			
13C2-4-2 FTSA	5.238	329.0 -> 81.0	14222	5.0000	µg/L	#	-11.744
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 93.61%			
13C5-PFHxA	5.478	318.0 -> 273.0	178618	2.5000	µg/L		-2.925
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C5-PFHxA	5.478	318.0 -> 273.0	178618	2.5000	µg/L		-2.925
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.38%			
13C3-PFBS	5.494	302.0 -> 80.0	42238	2.5000	µg/L		-0.913
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.77%			
13C3-HFPO-DA	5.735	287.0 -> 169.0	218956	10.0000	µg/L		-1.314
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 102.02%			
13C4-PFHpA	6.142	367.0 -> 322.0	209988	2.5000	µg/L		-1.506
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.81%			
13C3-PFHxS	6.797	402.0 -> 80.0	26509	2.5000	µg/L		-1.749
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.72%			
13C2-6-2 FTSA	6.459	429.0 -> 81.0	10069	5.0000	µg/L	#	-10.715
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.58%			
13C8-PFOA	6.662	421.0 -> 376.0	219533	2.5000	µg/L		-2.816
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.12%			
13C3-PFHxS	6.797	402.0 -> 80.0	26509	2.5000	µg/L		-1.749
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.72%			
13C9-PFNA	7.125	472.0 -> 427.0	121757	1.2500	µg/L		-0.770
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.94%			
13C8-PFOS	7.756	507.0 -> 80.0	23637	2.5000	µg/L		-4.475
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.03%			
13C2-8-2 FTSA	7.372	529.0 -> 81.0	11420	5.0000	µg/L	#	-7.216
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.97%			
13C6-PFDA	7.575	519.0 -> 474.0	129446	1.2500	µg/L		-2.602
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.18%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	92405	5.0000	µg/L		-0.577

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.78%		
13C8-PFOS	7.756	507.0 -> 80.0	23637	2.5000	µg/L	-4.475
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.03%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	71830	5.0000	µg/L	-3.637
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.67%		
13C7-PFUnDA	7.999	570.0 -> 525.0	113782	1.2500	µg/L	-1.371
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.42%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	97201	1.2500	µg/L	-1.821
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.85%		
13C2-PFDoDA	8.424	615.0 -> 570.0	98098	1.2500	µg/L	-2.147
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.52%		
13C2-PFTDA	9.197	715.0 -> 670.0	96304	1.2500	µg/L	-1.486
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.19%		
13C8-PFOSA	9.897	506.0 -> 78.0	53784	2.5000	µg/L	-1.664
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.71%		
2H7-MeFOSE	11.052	623.1 -> 59.0	267799	25.0000	µg/L	-2.515
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 102.08%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18453	2.5000	µg/L	0.543
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.93%		
2H9-EtFOSE	11.420	639.1 -> 59.0	267834	25.0000	µg/L	-2.526
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 102.05%		
2H5-N-EtFOSA	11.556	531.0 -> 219.0	19897	2.5000	µg/L	-1.485
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.97%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	2610675	81.7811	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 102.23%		
PFMPA	3.794	229.0 -> 85.0	1010998	40.6306	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.58%		
3-3 FTCA	4.030	241.0 -> 177.0	105912	81.2211	µg/L	98
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 101.53%		
PFPeA	4.596	263.0 -> 219.0	2129003	40.5684	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.42%		
PFMBA	4.910	279.0 -> 85.0	1365707	40.6000	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.50%		
4-2 FTSA	5.239	327.0 -> 307.0	740363	76.4159	µg/L	96
Spiked Amount: 75.000	Range: 70 - 130%			Recovery = 101.89%		
NFDHA	5.390	295.0 -> 201.0	121640	44.3702	µg/L	93
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 110.93%		
PFHxA	5.480	313.0 -> 269.0	1493866	20.7065	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.53%		
PFBS	5.495	298.9 -> 80.0	333587	17.9231	µg/L	98
Spiked Amount: 17.740	Range: 70 - 130%			Recovery = 101.03%		
HFPO-DA	5.736	285.0 -> 169.0	902894	40.9206	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.30%		
PFEESA	5.860	314.9 -> 135.0	1933305	36.5435	µg/L	97
Spiked Amount: 35.600	Range: 70 - 130%			Recovery = 102.65%		
5-3 FTCA	6.132	341.0 -> 237.0	2573951	409.6624	µg/L	98
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 102.42%		
PFHpA	6.142	363.0 -> 319.0	1682687	20.2373	µg/L	98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.19%		
PFPeS	6.240	348.9 -> 80.0	250661	19.1290	µg/L	99
Spiked Amount: 18.820	Range: 70 - 130%			Recovery = 101.64%		
DONA	6.333	377.0 -> 251.0	3881224	38.0742	µg/L	96
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 100.73%		

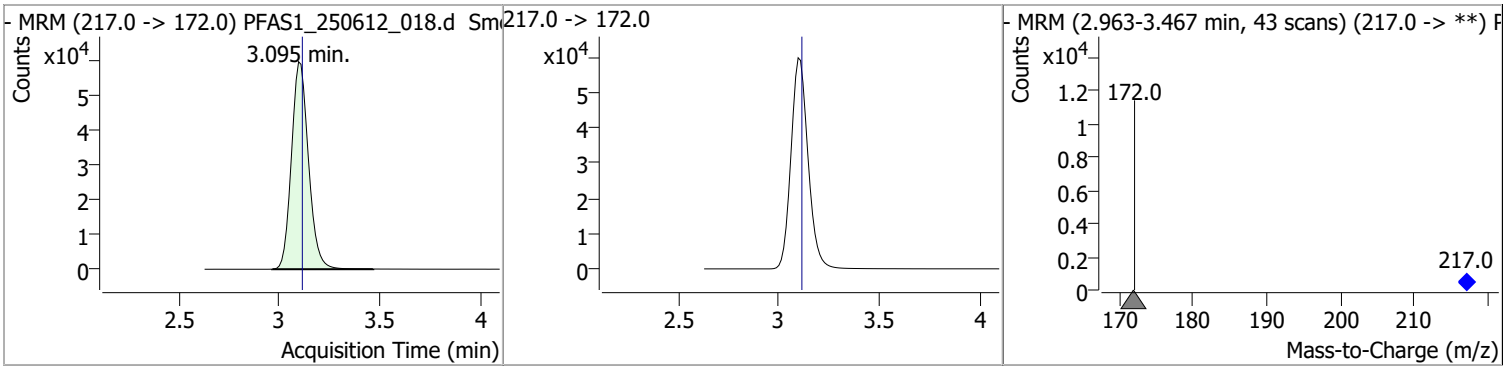
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	671274	78.9085	µg/L	98
Spiked Amount: 76.000	Range: 70 - 130%			Recovery = 103.83%		
PFOA	6.663	413.0 -> 369.0	1782222	20.6484	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.24%		
PFHxS	6.798	398.9 -> 80.0	201093	18.5117	µg/L	98
Spiked Amount: 18.280	Range: 70 - 130%			Recovery = 101.27%		
PFNA	7.126	463.0 -> 419.0	1858051	20.2504	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.25%		
PFHpS	7.295	448.9 -> 80.0	193554	19.9954	µg/L	98
Spiked Amount: 19.060	Range: 70 - 130%			Recovery = 104.91%		
8-2 FTSA	7.373	527.0 -> 507.0	658974	81.2098	µg/L	97
Spiked Amount: 76.800	Range: 70 - 130%			Recovery = 105.74%		
7-3 FTCA	7.463	441.0 -> 317.0	2835492	408.3579	µg/L	100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 102.09%		
PFDA	7.576	513.0 -> 469.0	2017497	20.3397	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.70%		
N-MeFOSAA	7.704	570.0 -> 419.0	340880	20.9541	µg/L	98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 104.77%		
PFOS	7.758	498.9 -> 80.0	206827	19.5834	µg/L	95
Spiked Amount: 18.560	Range: 70 - 130%			Recovery = 105.51%		
N-EtFOSAA	7.939	584.0 -> 419.0	296010	21.3392	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 106.70%		
PFUnDA	8.000	563.0 -> 519.0	1847951	20.5033	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.52%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	2664728	37.7115	µg/L	97
Spiked Amount: 37.400	Range: 70 - 130%			Recovery = 100.83%		
PFNS	8.193	548.9 -> 80.0	200804	20.1676	µg/L	99
Spiked Amount: 19.240	Range: 70 - 130%			Recovery = 104.82%		
PFDoDA	8.424	613.0 -> 569.0	1589204	20.5920	µg/L	97
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.96%		
PFDS	8.618	598.9 -> 80.0	167978	20.4719	µg/L	97
Spiked Amount: 19.300	Range: 70 - 130%			Recovery = 106.07%		
PFTrDA	8.829	663.0 -> 619.0	1592100	20.6190	µg/L	96
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 103.09%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	1848093	37.7459	µg/L	100
Spiked Amount: 37.800	Range: 70 - 130%			Recovery = 99.86%		
PFTDA	9.198	712.9 -> 669.0	1507172	20.3819	µg/L	96
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.91%		
PFDoS	9.356	698.9 -> 80.0	109587	20.2974	µg/L	98
Spiked Amount: 19.400	Range: 70 - 130%			Recovery = 104.63%		
PFOSA	9.900	497.9 -> 78.0	405098	20.3391	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 101.70%		
MeFOSE	11.077	616.0 -> 59.0	2091280	204.0158	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 102.01%		
N-MeFOSA	11.191	512.0 -> 219.0	149160	20.5674	µg/L	98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.84%		
EtFOSE	11.457	630.0 -> 59.0	1981021	199.1937	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 99.60%		
N-EtFOSA	11.569	526.0 -> 219.0	173588	20.5893	µg/L	95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 102.95%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

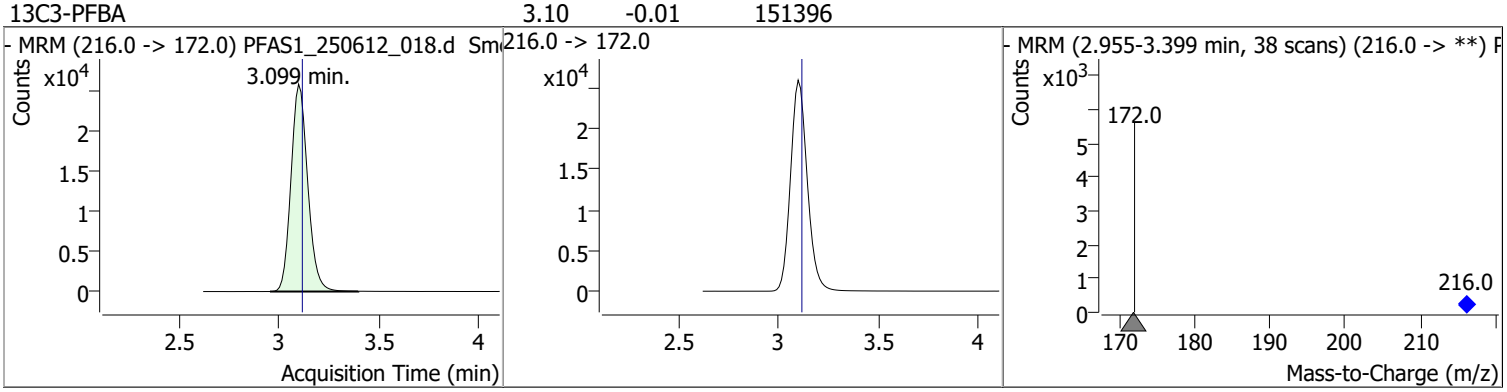
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	81.7811	3.10	0.00	2610675				



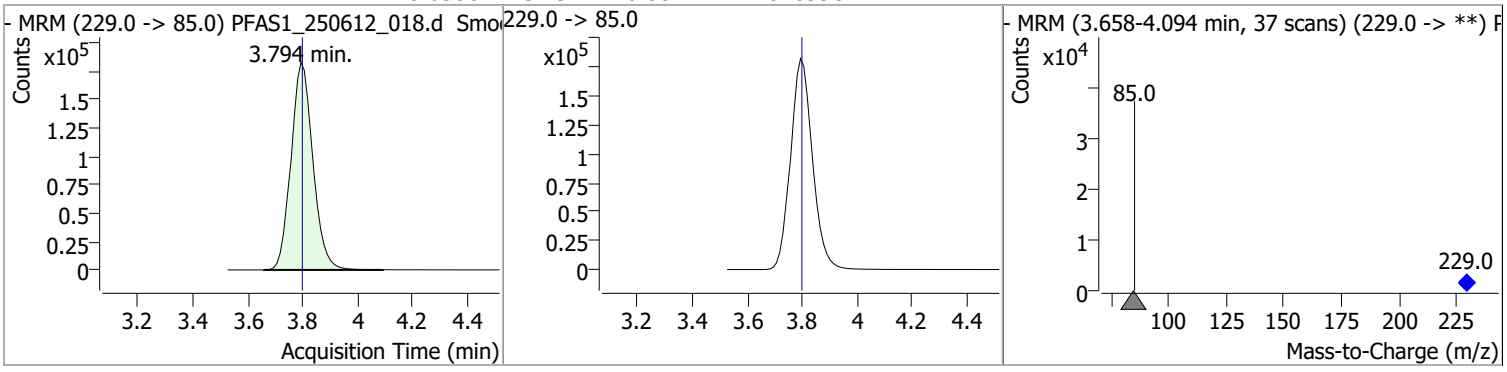
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0412	3.09	-0.01	350987				



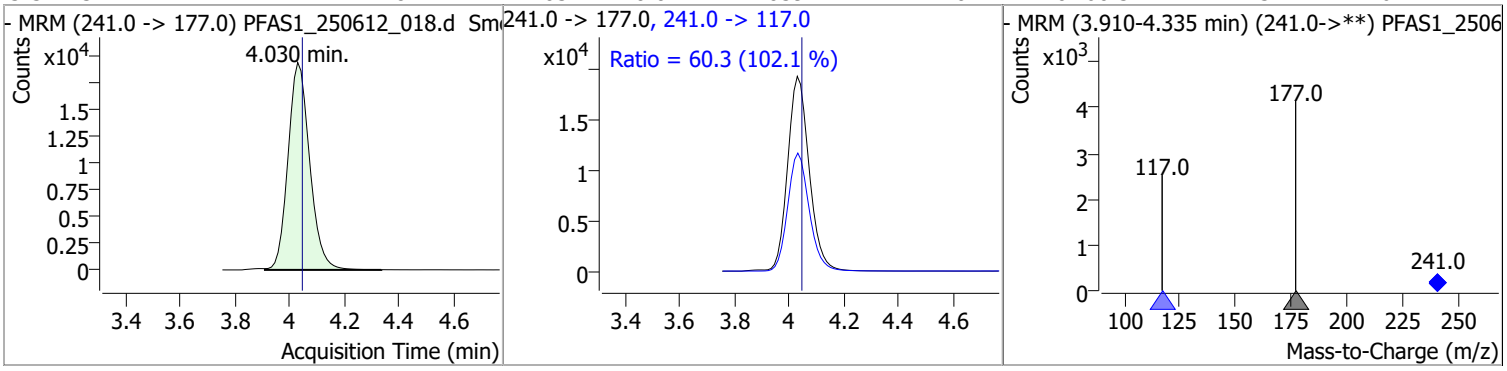
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	151396				



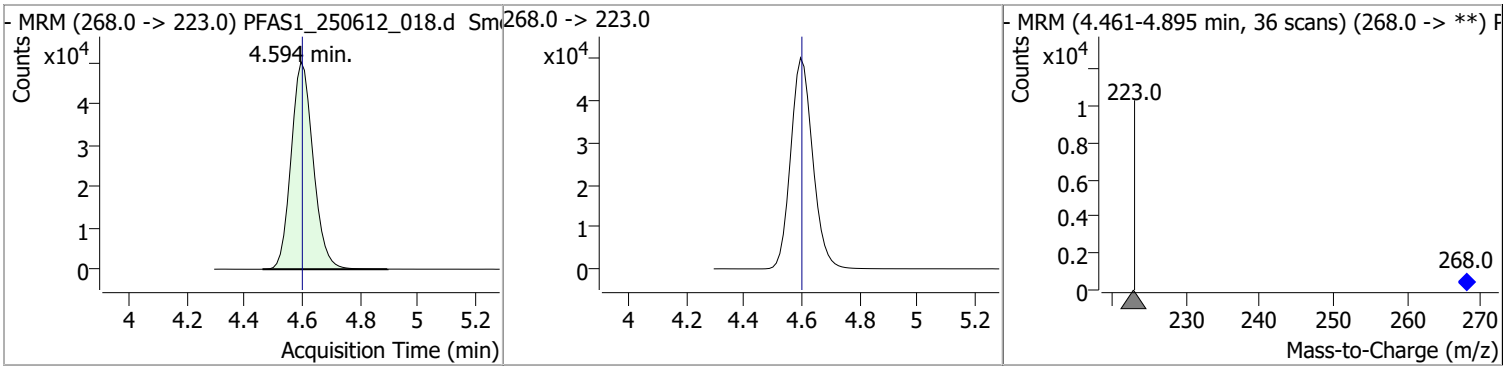
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	40.6306	3.79	0.00	1010998				



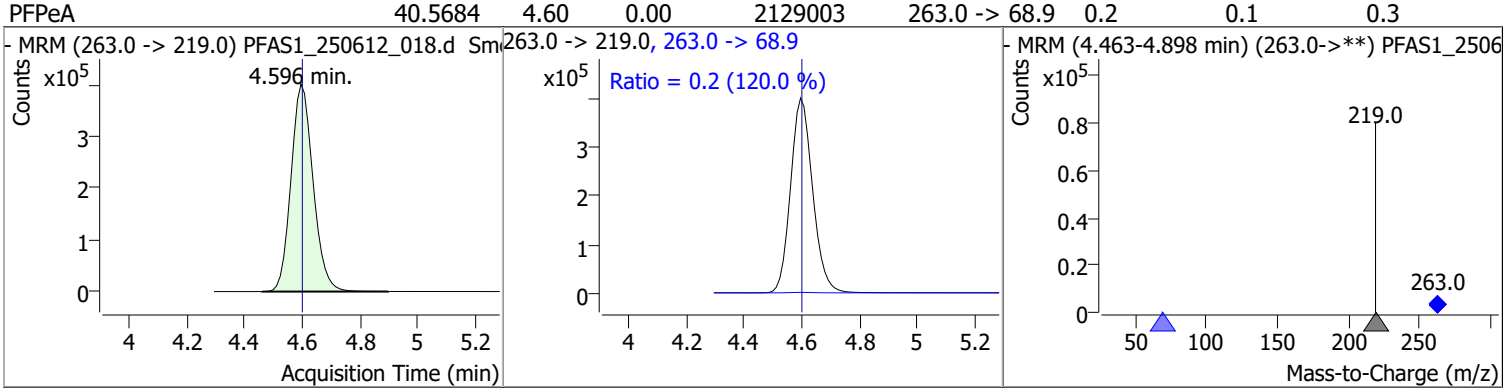
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	81.2211	4.03	-0.01	105912	241.0 -> 117.0	60.3	41.3	76.7



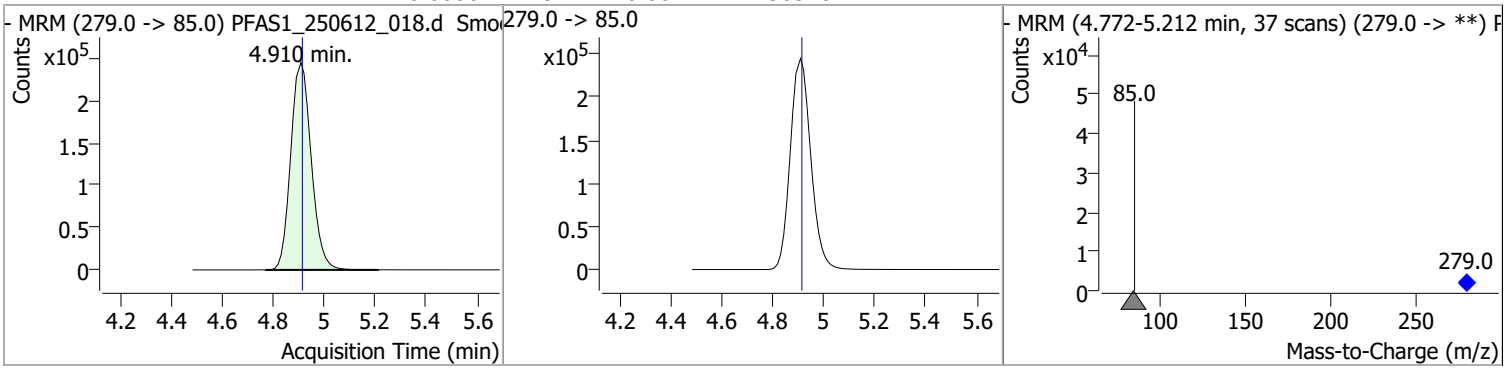
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0999	4.59	0.00	265969				



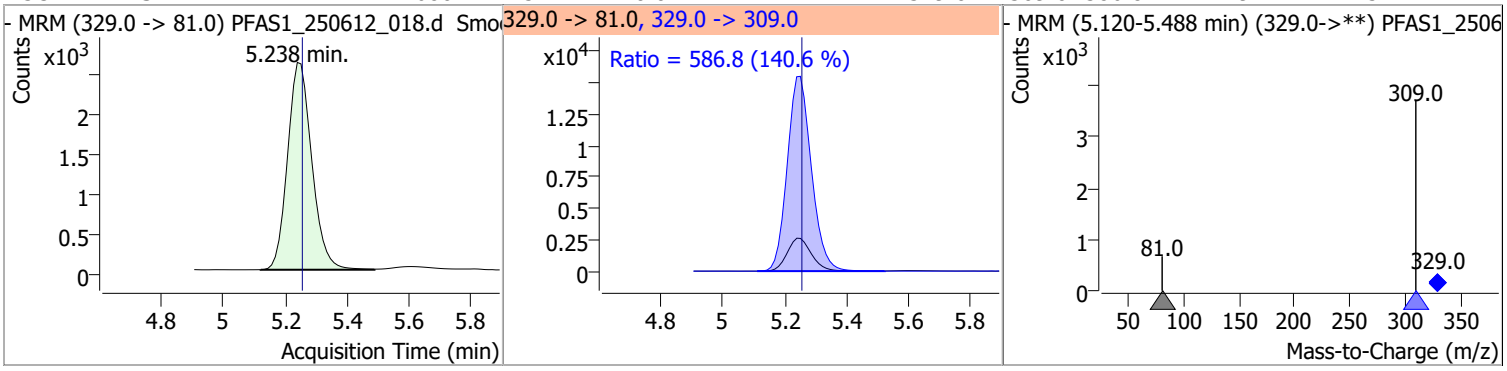
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	40.5684	4.60	0.00	2129003	263.0 -> 68.9	0.2	0.1	0.3



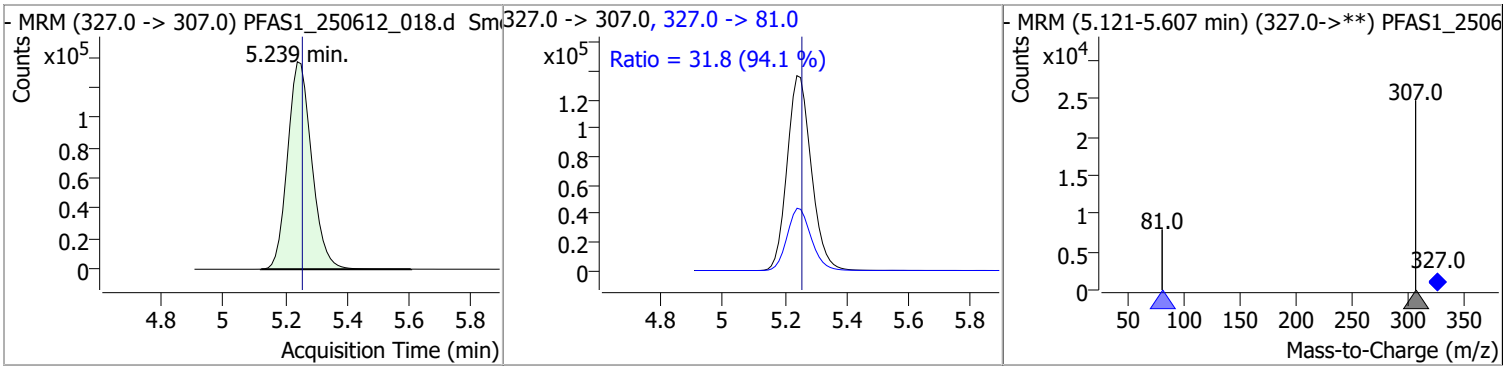
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	40.6000	4.91	0.00	1365707				



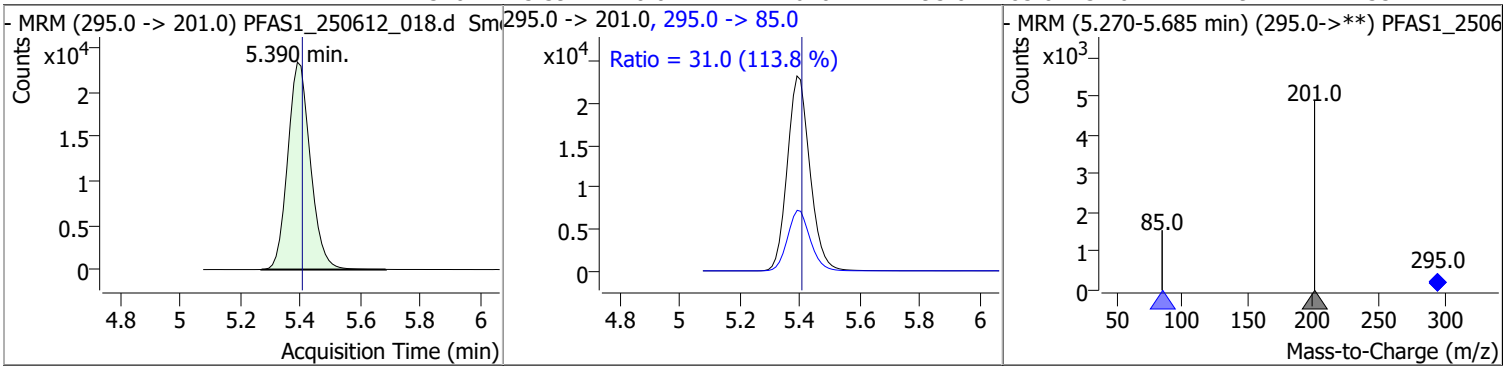
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.6807	5.24	-0.01	14222	329.0 -> 309.0	586.8	292.1	542.4



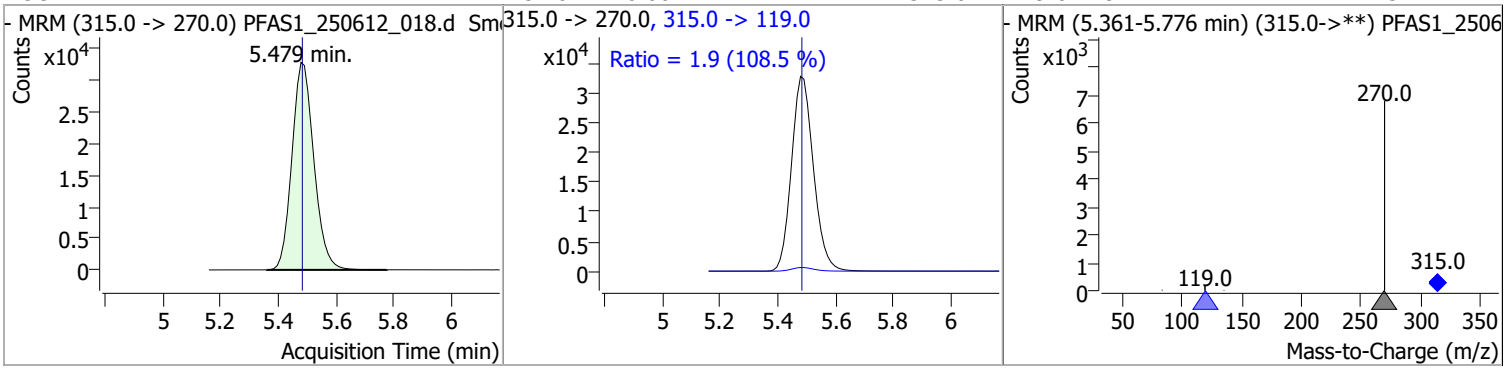
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	76.4159	5.24	-0.01	740363	327.0 -> 81.0	31.8	23.6	43.9



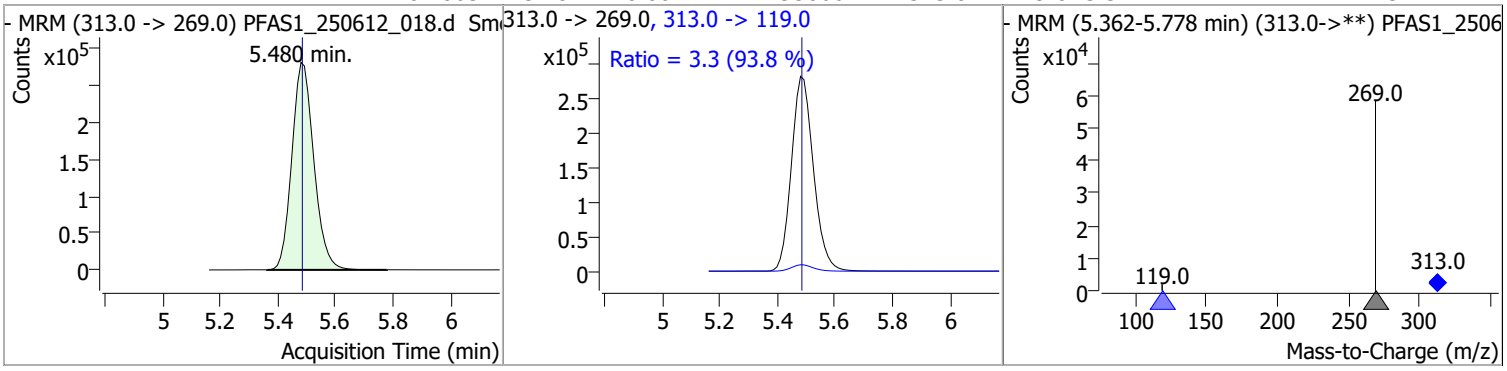
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	44.3702	5.39	-0.01	121640	295.0 -> 85.0	31.0	19.1	35.4



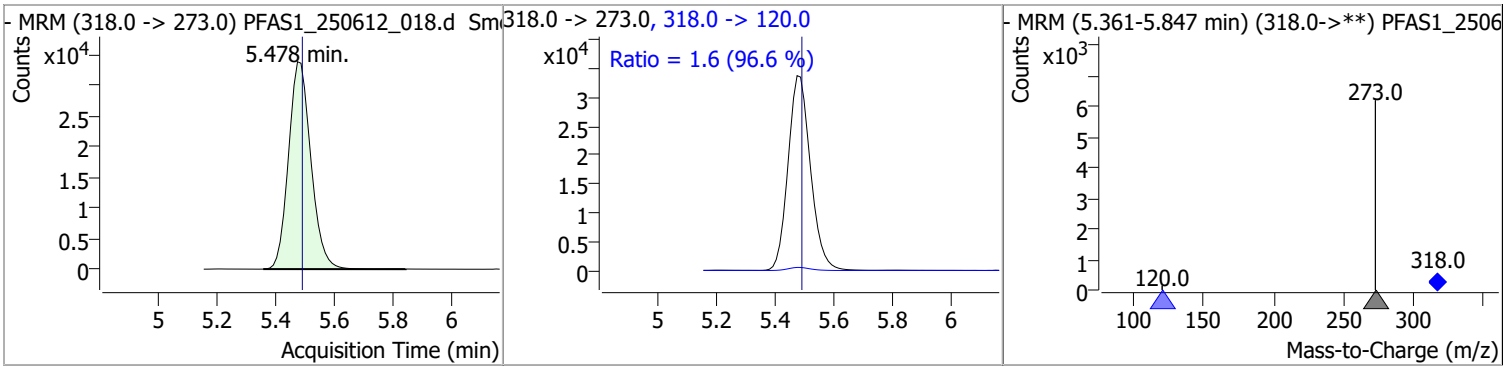
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	172771	315.0 -> 119.0	1.9	1.2	2.3



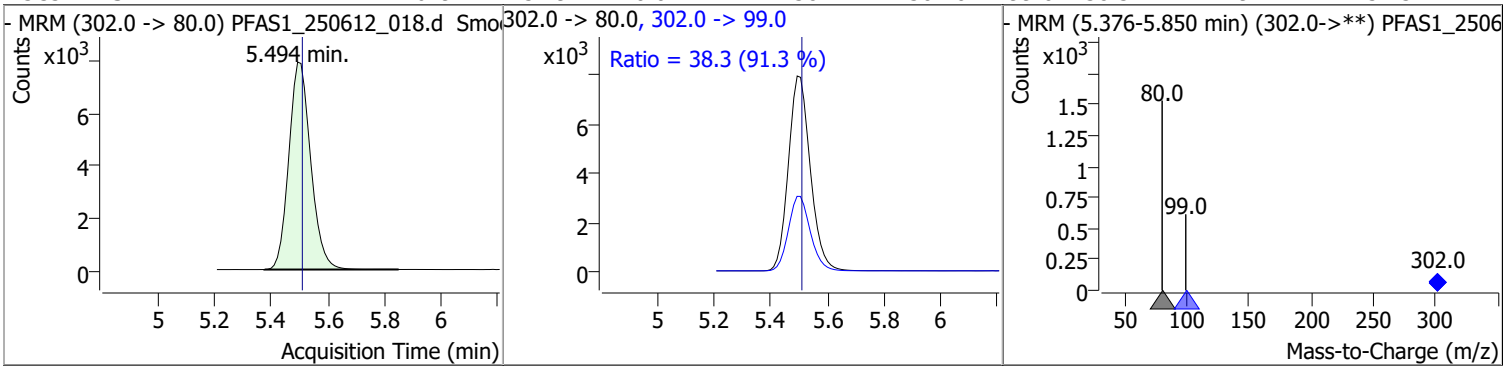
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	20.7065	5.48	0.00	1493866	313.0 -> 119.0	3.3	2.4	4.5



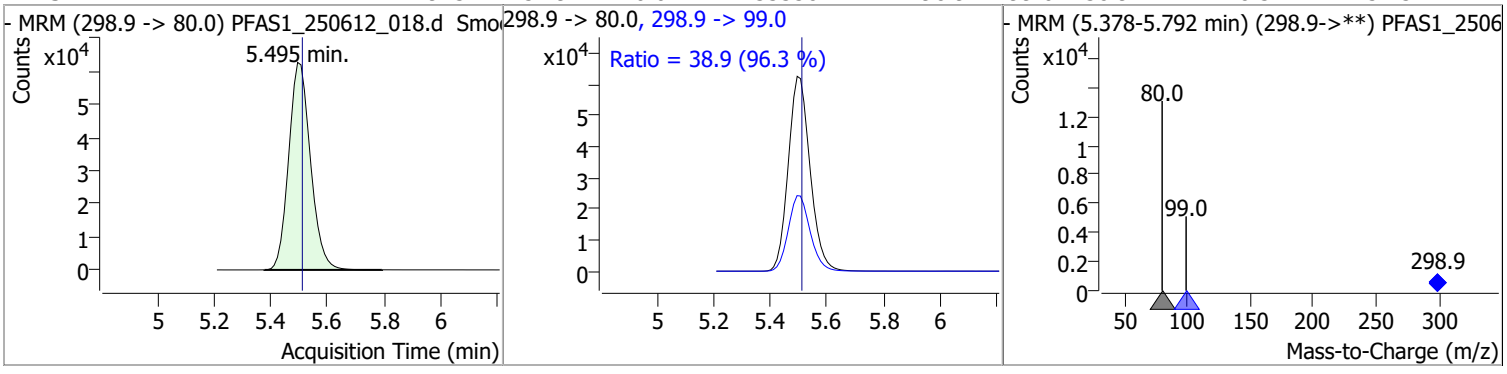
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5094	5.48	-0.01	178618	318.0 -> 120.0	1.6	1.1	2.1



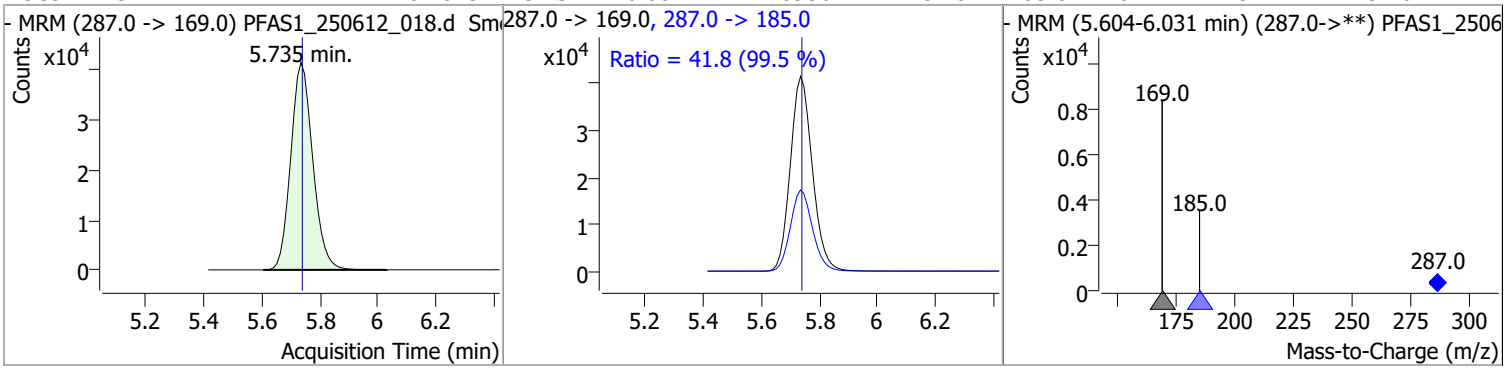
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6192	5.49	-0.01	42238	302.0 -> 99.0	38.3	29.4	54.5



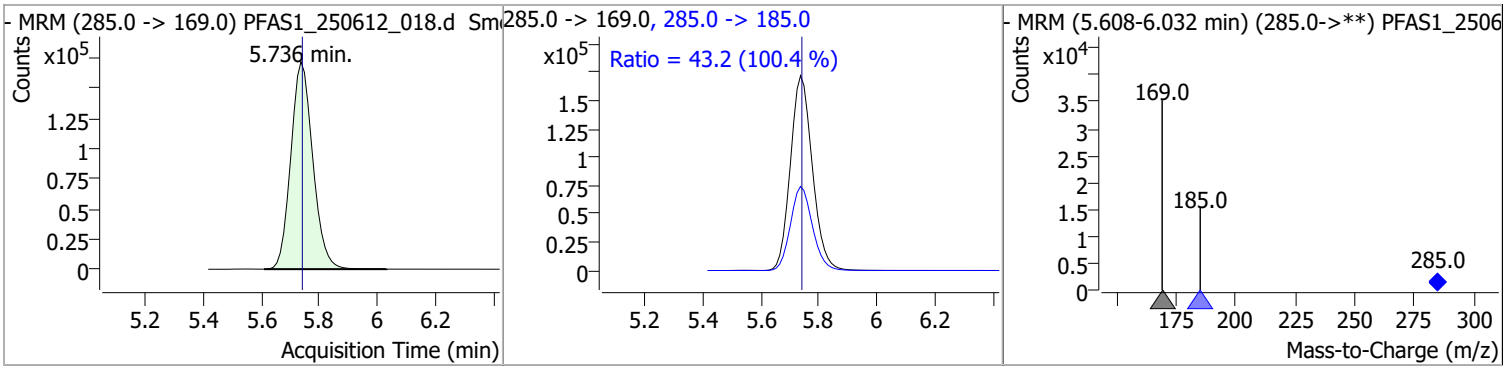
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	17.9231	5.49	-0.01	333587	298.9 -> 99.0	38.9	28.3	52.5



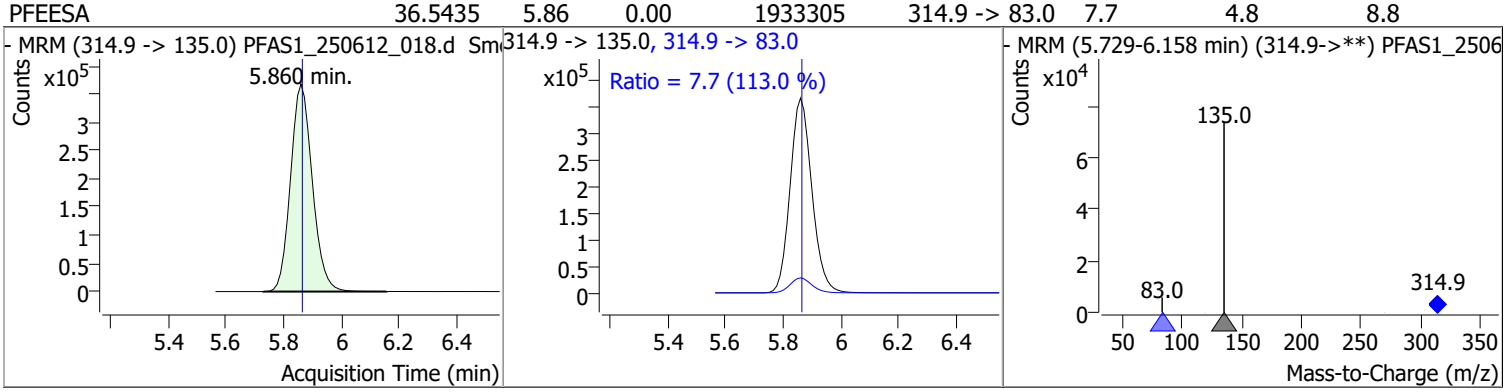
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.2025	5.73	0.00	218956	287.0 -> 185.0	41.8	29.4	54.6



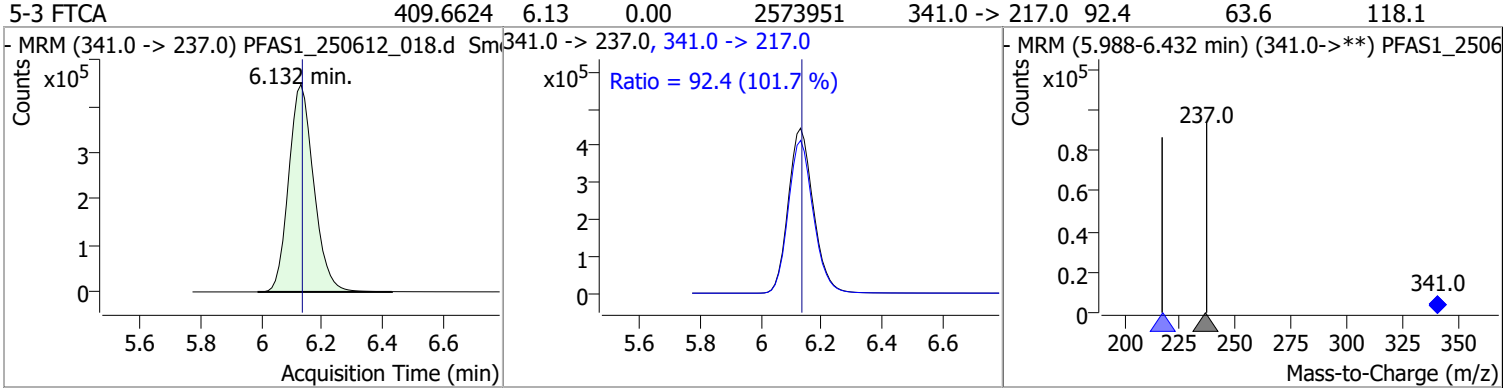
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	40.9206	5.74	0.00	902894	285.0 -> 185.0	43.2	30.1	56.0



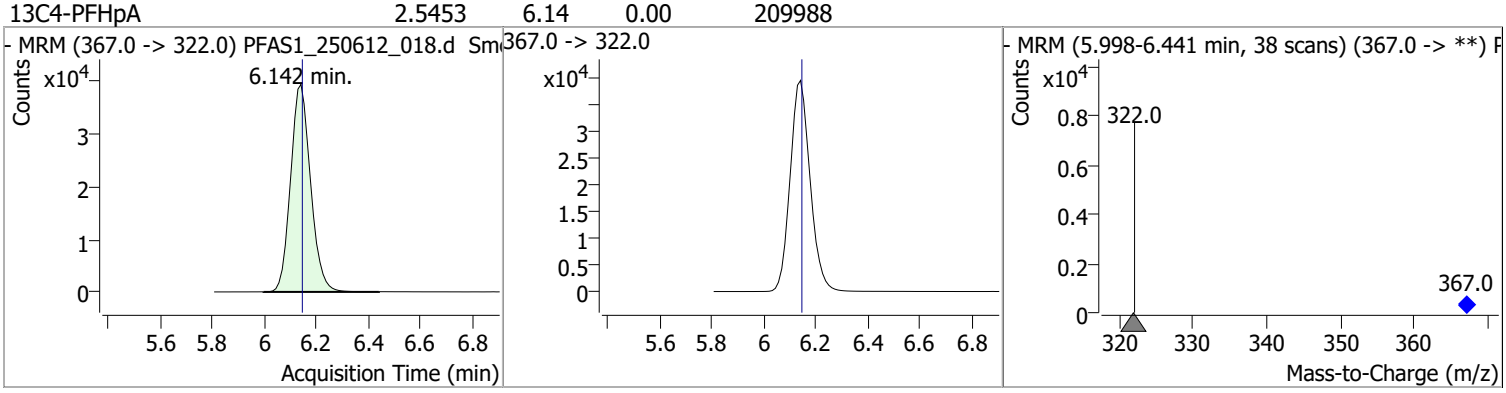
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	36.5435	5.86	0.00	1933305	314.9 -> 83.0	7.7	4.8	8.8



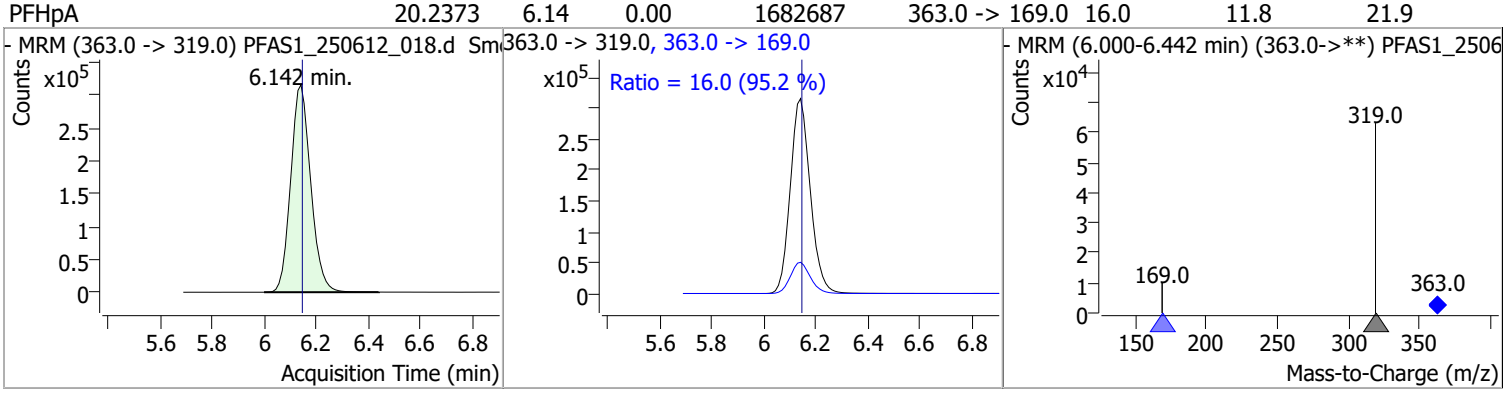
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	409.6624	6.13	0.00	2573951	341.0 -> 217.0	92.4	63.6	118.1



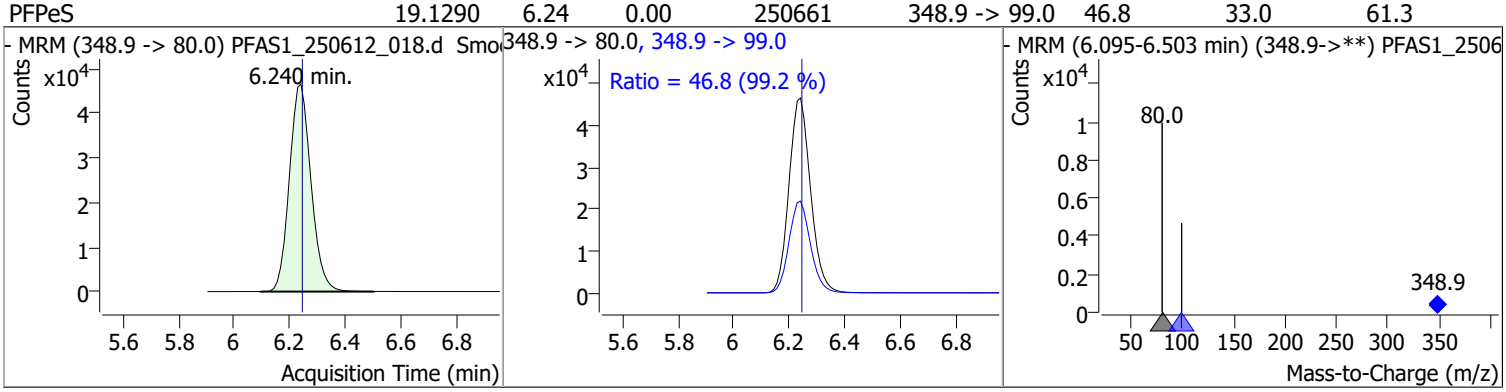
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5453	6.14	0.00	209988				



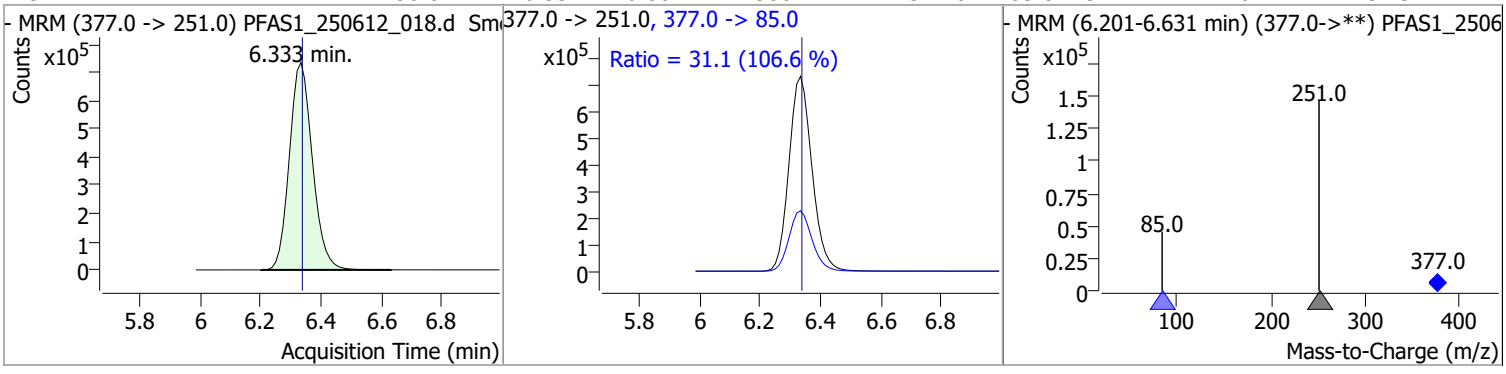
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	20.2373	6.14	0.00	1682687	363.0 -> 169.0	16.0	11.8	21.9



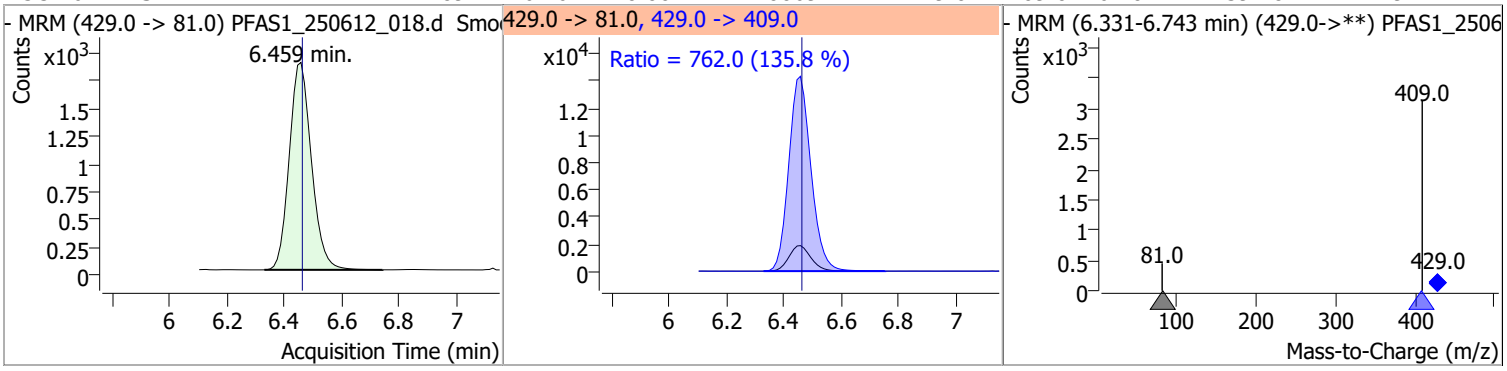
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	19.1290	6.24	0.00	250661	348.9 -> 99.0	46.8	33.0	61.3



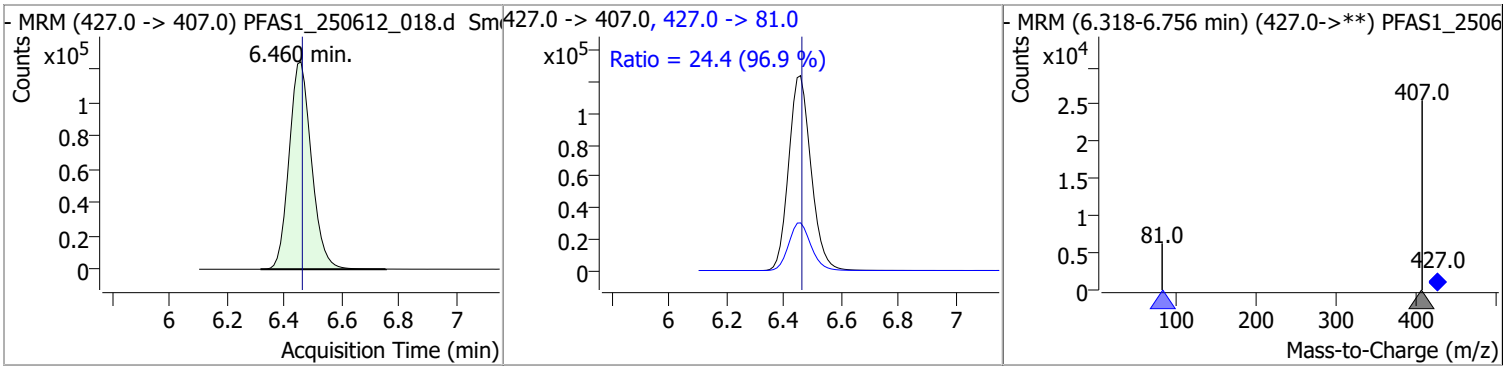
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	38.0742	6.33	0.00	3881224	377.0 -> 85.0	31.1	20.4	37.9



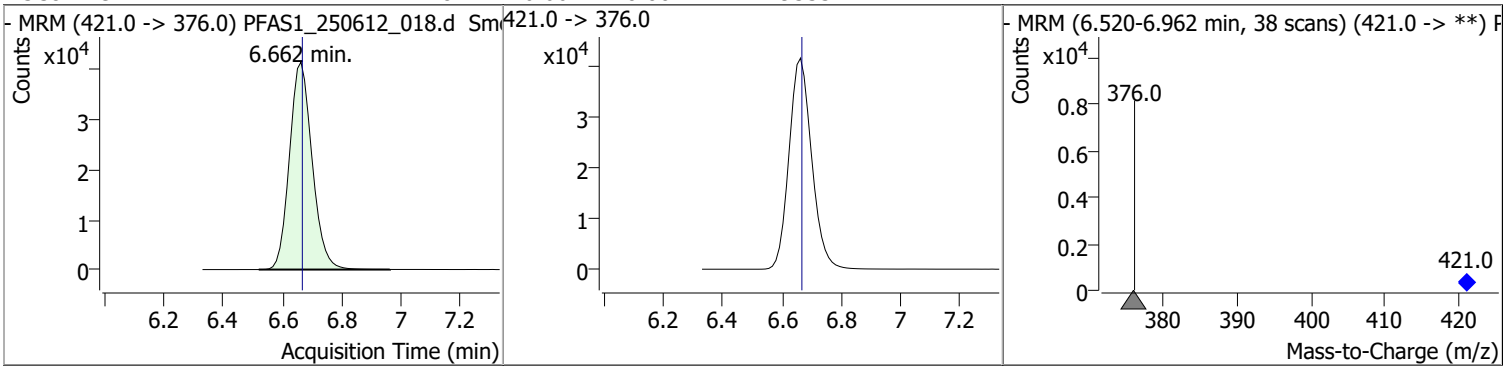
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.7289	6.46	0.00	10069	429.0 -> 409.0	762.0	392.8	729.4



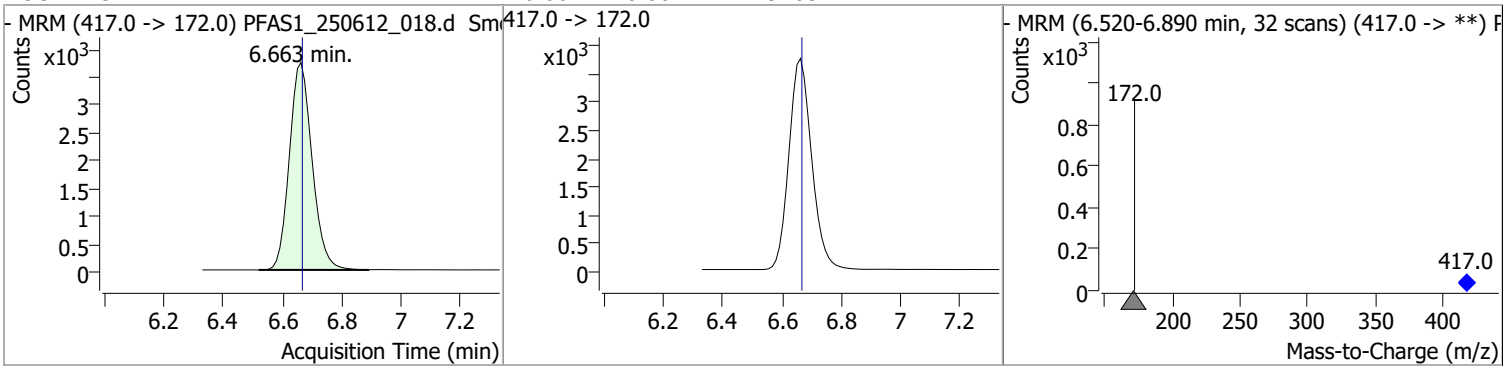
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	78.9085	6.46	0.00	671274	427.0 -> 81.0	24.4	17.7	32.8



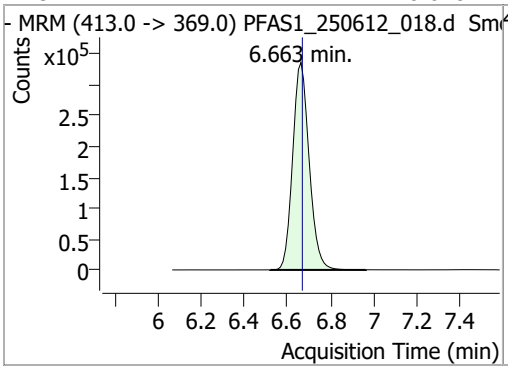
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4781	6.66	0.00	219533				

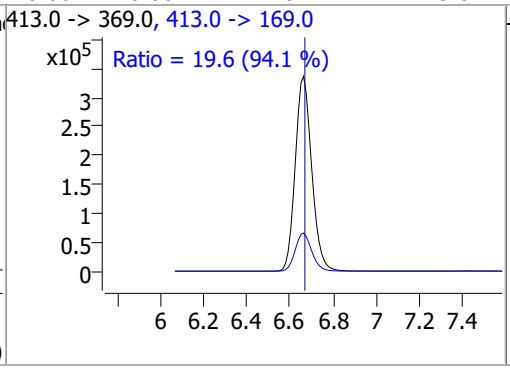


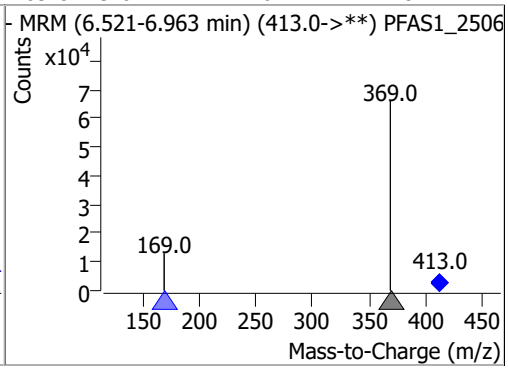
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	19783				



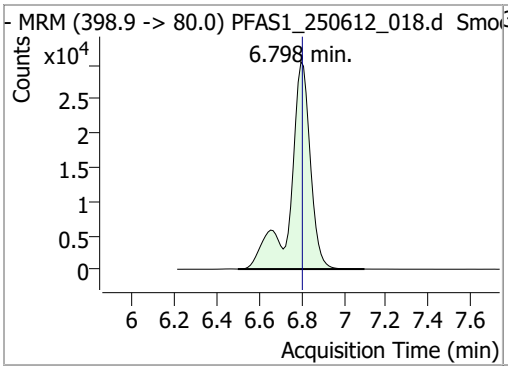
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	20.6484	6.66	0.00	1782222	413.0 -> 169.0	19.6	14.6	27.0

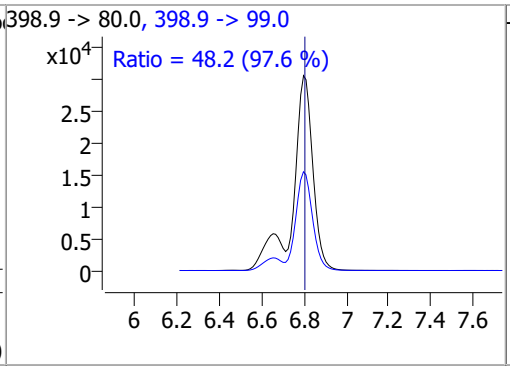


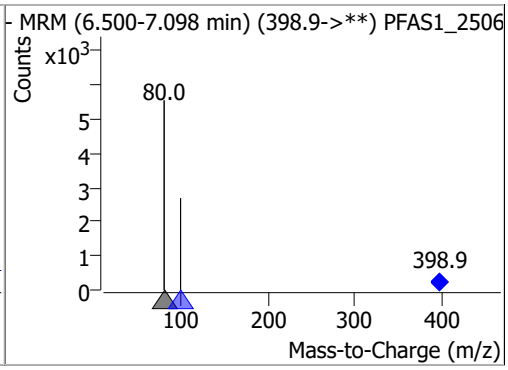




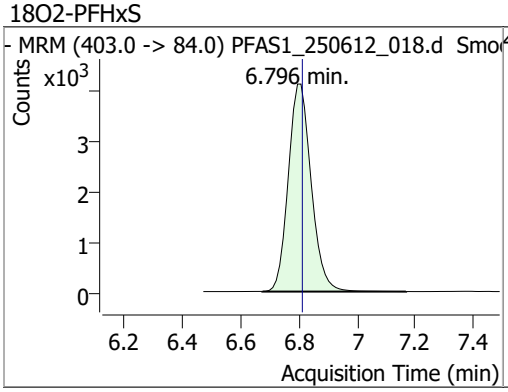
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	18.5117	6.80	0.00	201093	398.9 -> 99.0	48.2	34.6	64.2

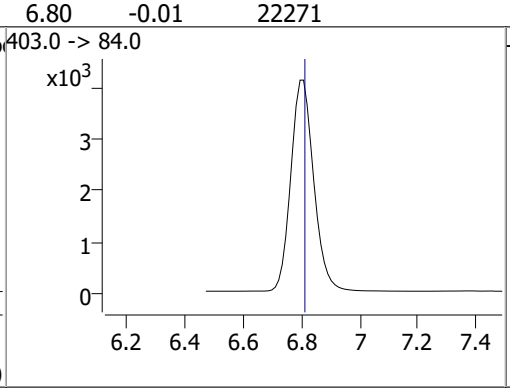


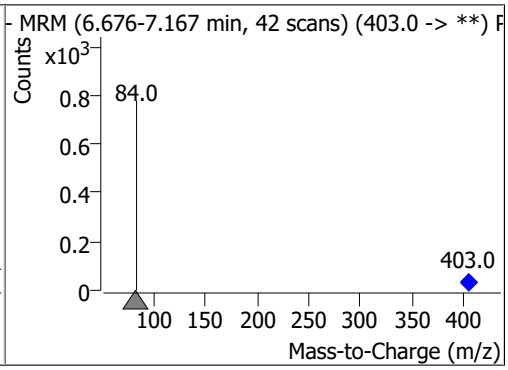




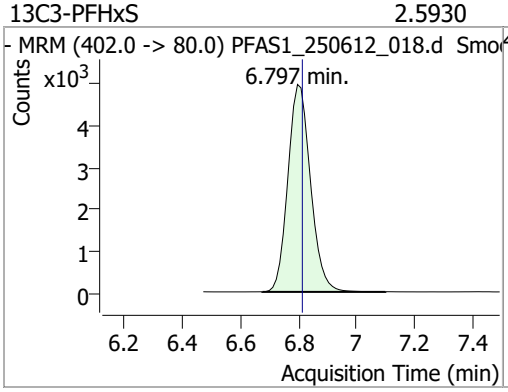
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	-0.01	22271				

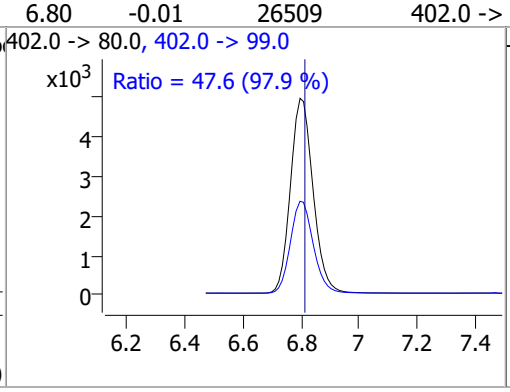


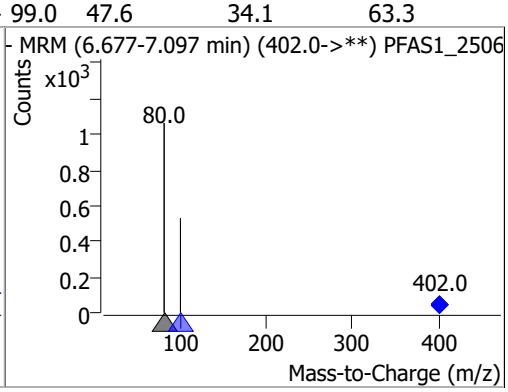




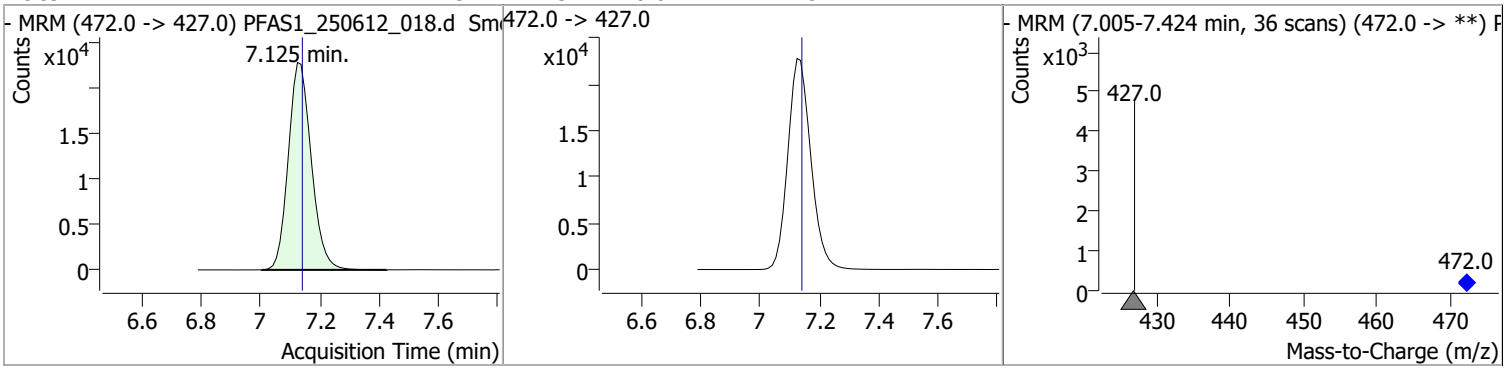
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5930	6.80	-0.01	26509	402.0 -> 99.0	47.6	34.1	63.3



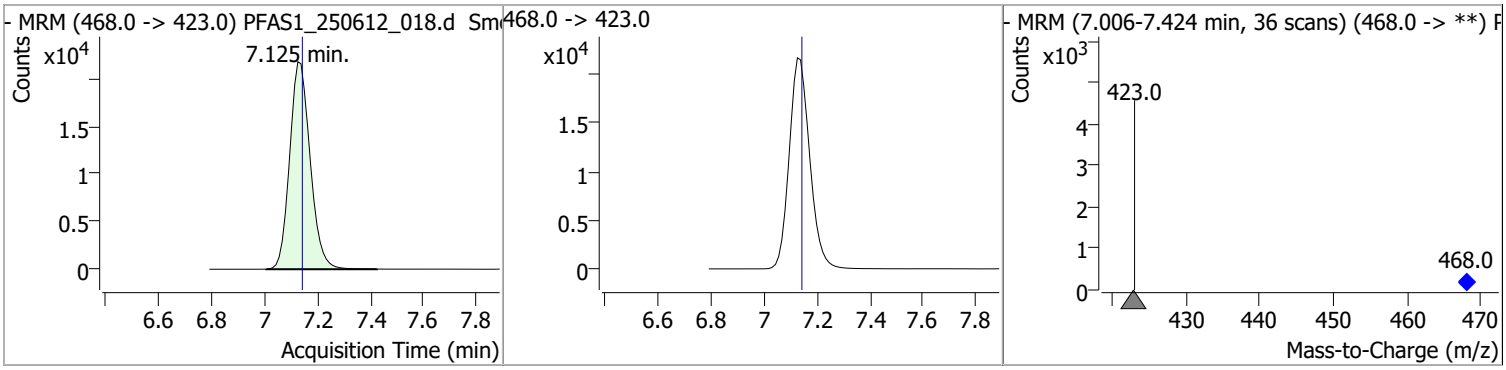




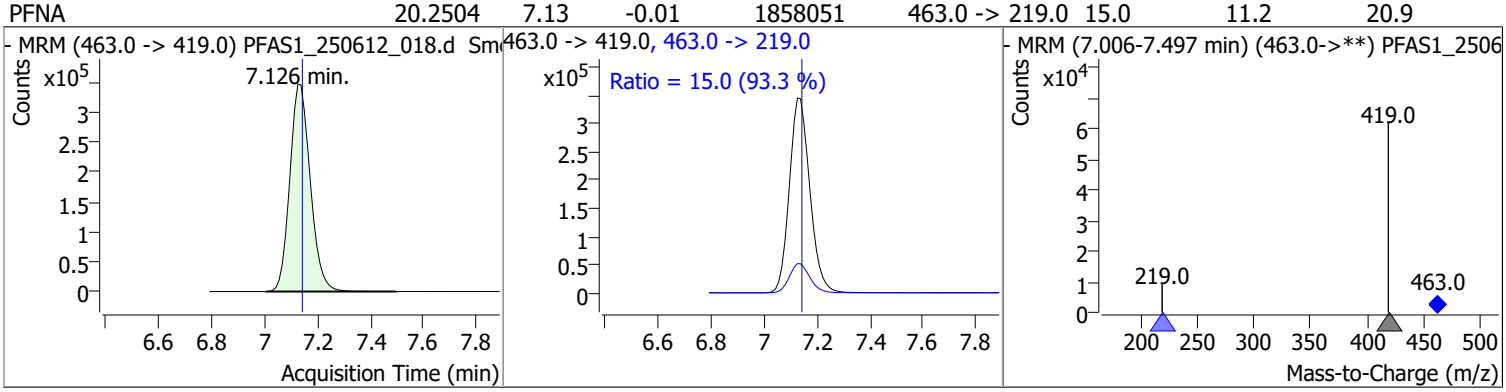
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2743	7.13	-0.01	121757				



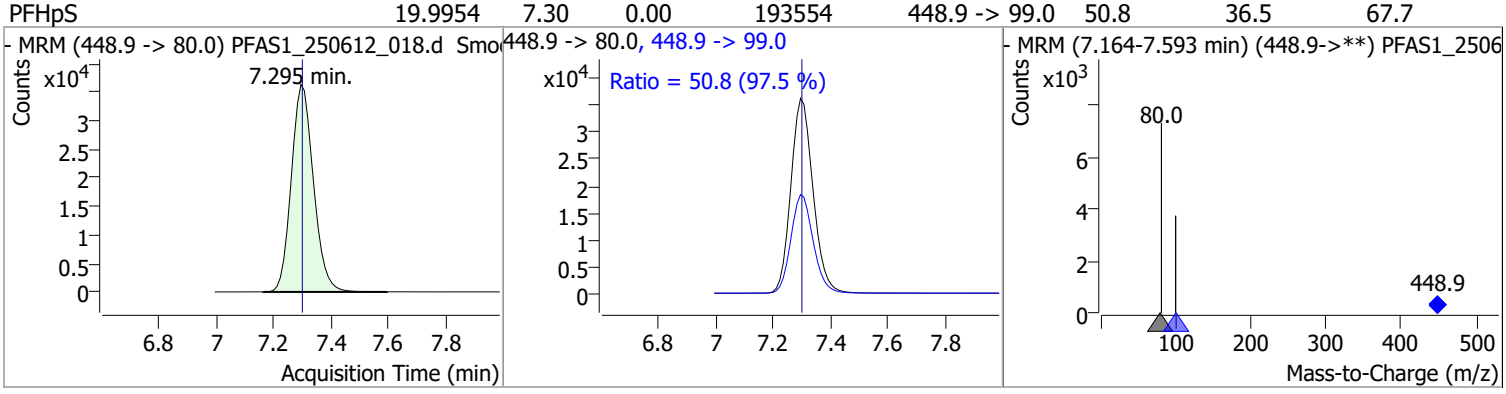
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	-0.01	116523				



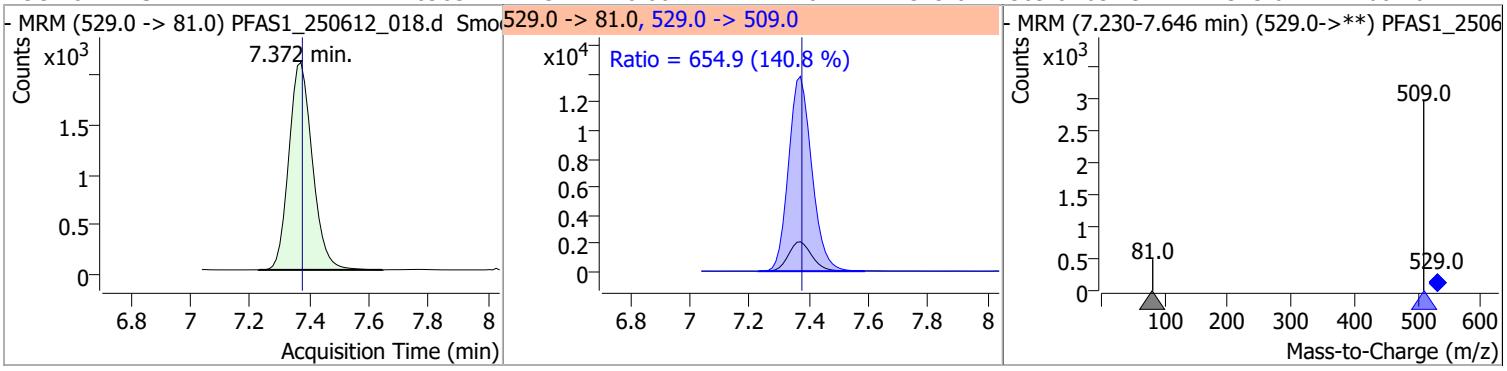
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	20.2504	7.13	-0.01	1858051	463.0 -> 219.0	15.0	11.2	20.9



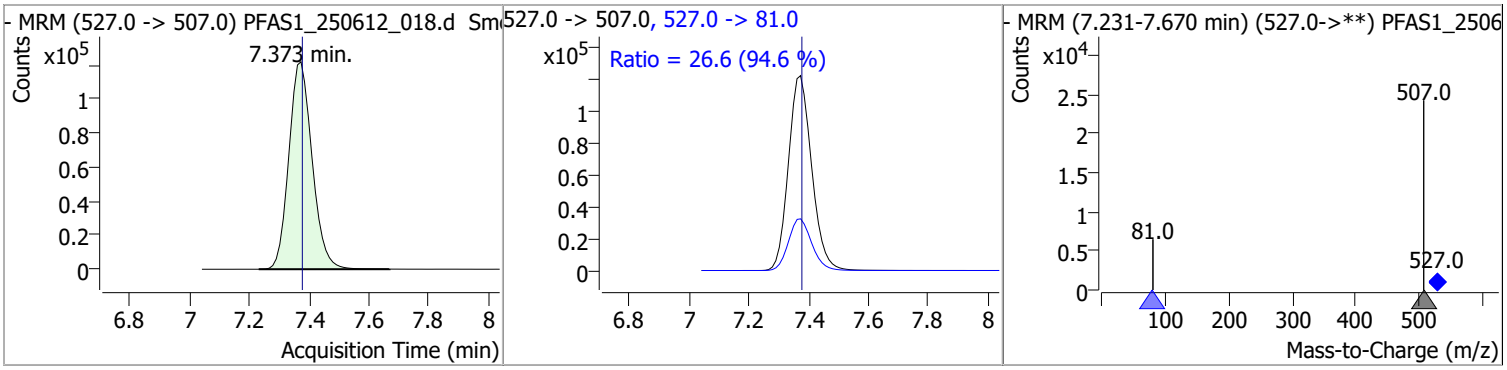
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	19.9954	7.30	0.00	193554	448.9 -> 99.0	50.8	36.5	67.7



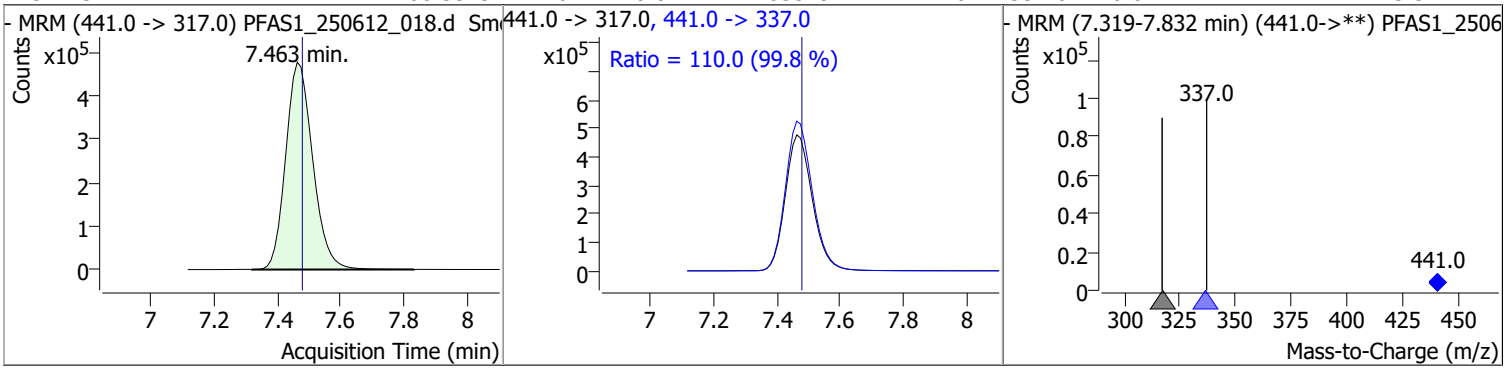
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.8983	7.37	0.00	11420	529.0 -> 509.0	654.9	325.6	604.6



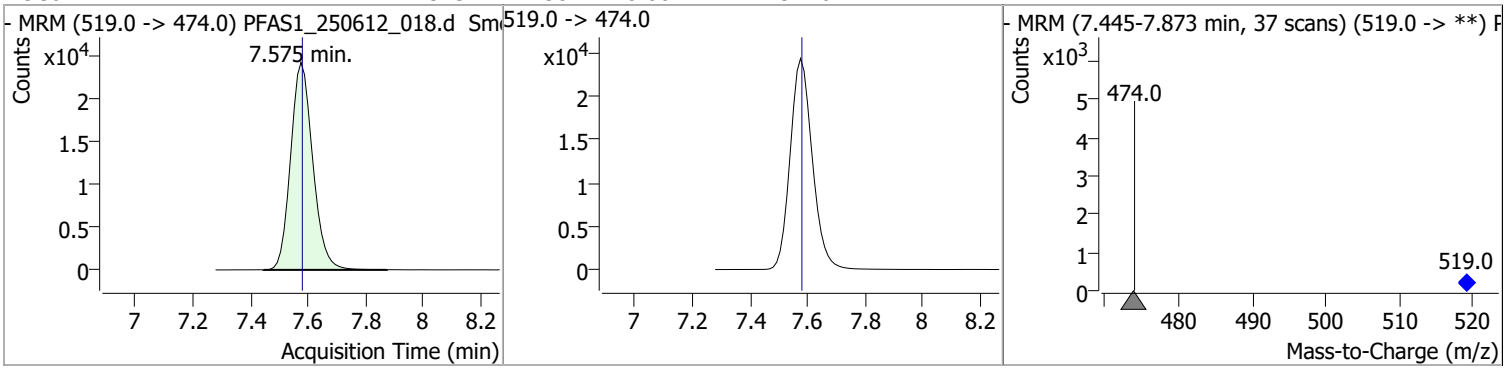
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	81.2098	7.37	0.00	658974	527.0 -> 81.0	26.6	19.7	36.6



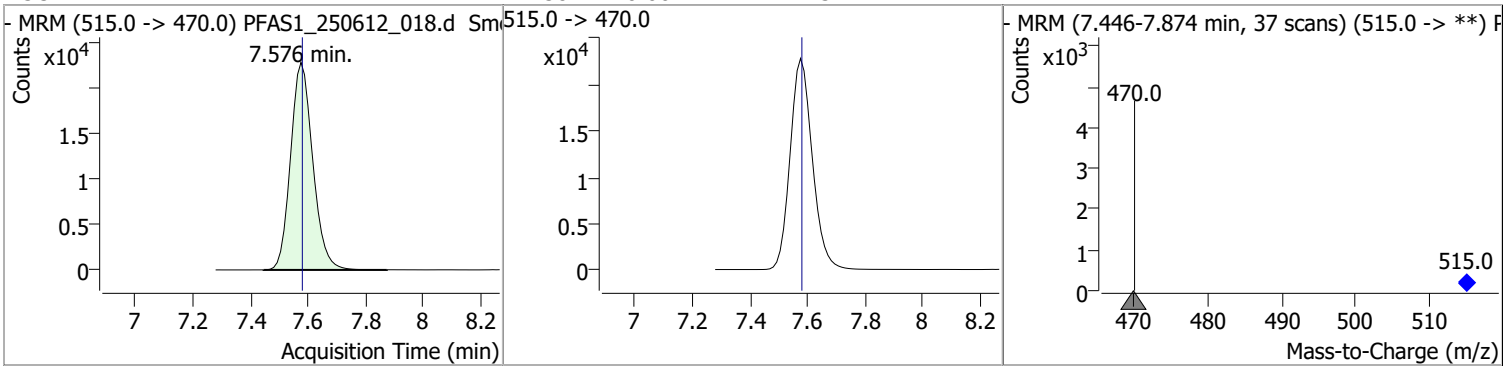
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	408.3579	7.46	-0.01	2835492	441.0 -> 337.0	110.0	77.1	143.3



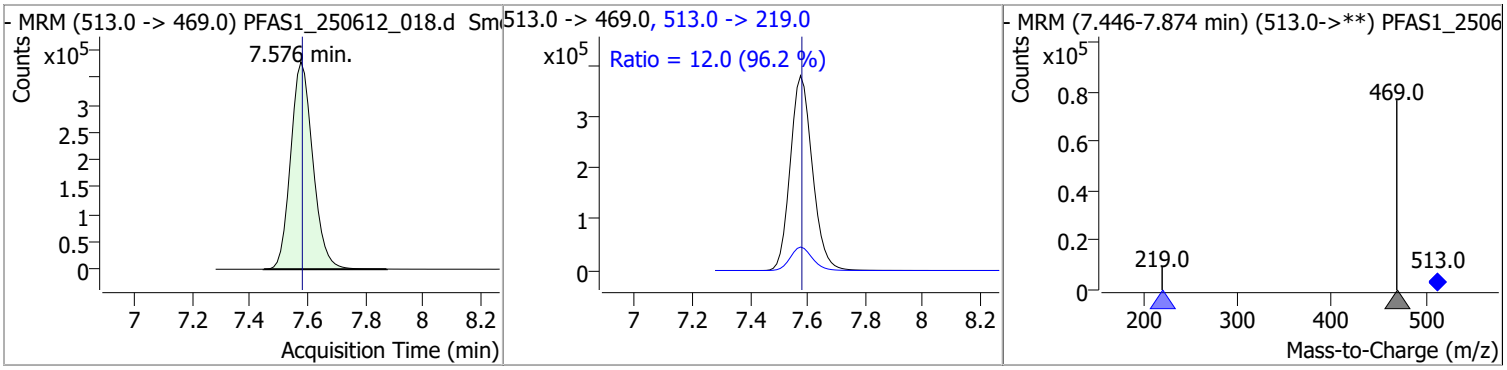
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2523	7.58	0.00	129446				



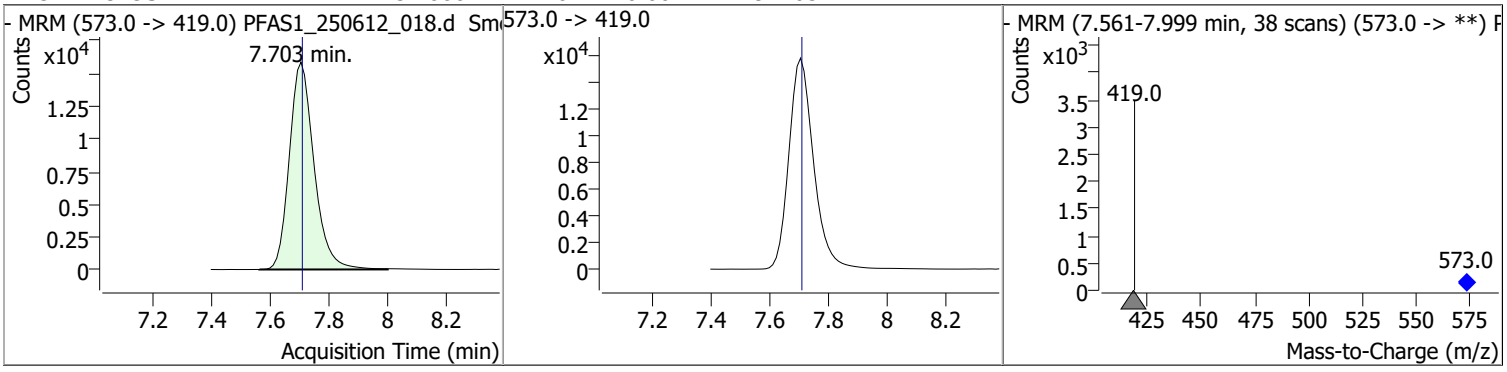
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	121723				



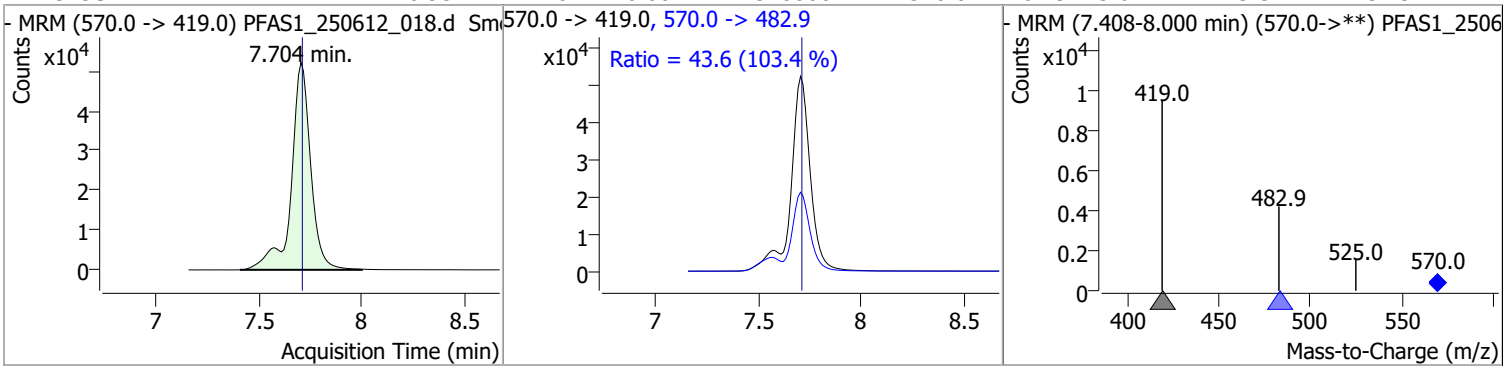
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	20.3397	7.58	0.00	2017497	513.0 -> 219.0	12.0	8.7	16.2



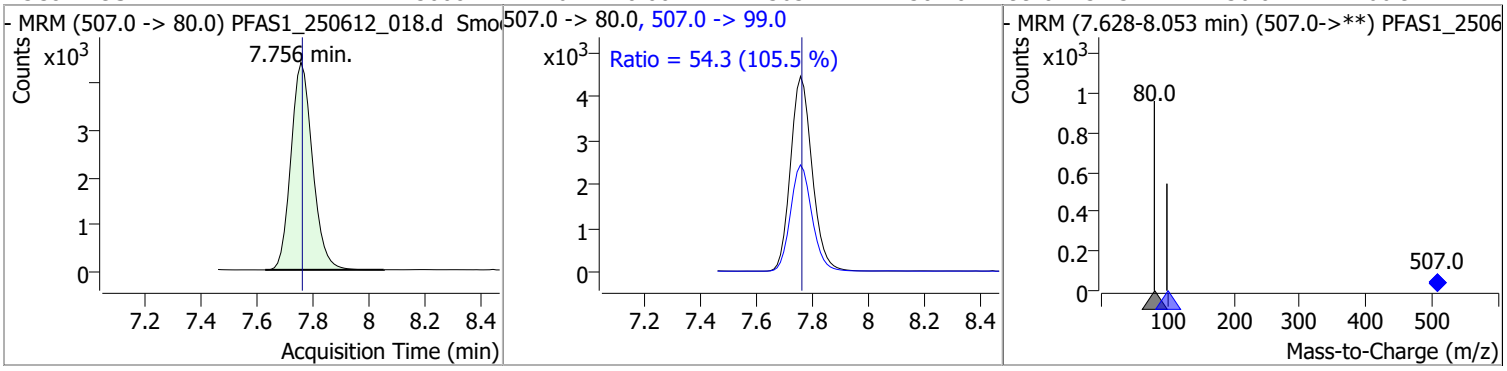
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1888	7.70	0.00	92405				



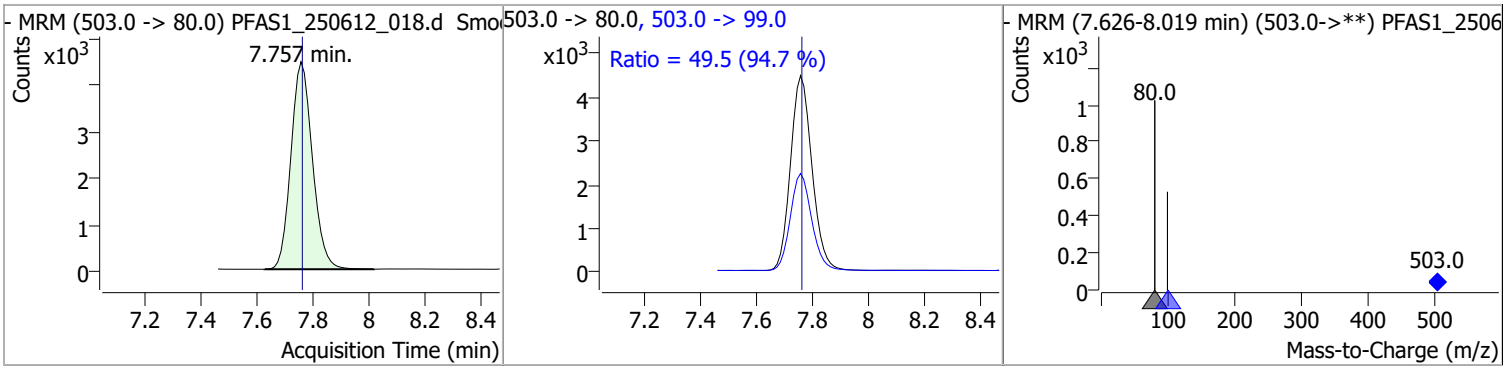
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	20.9541	7.70	0.00	340880	570.0 -> 482.9	43.6	29.5	54.9



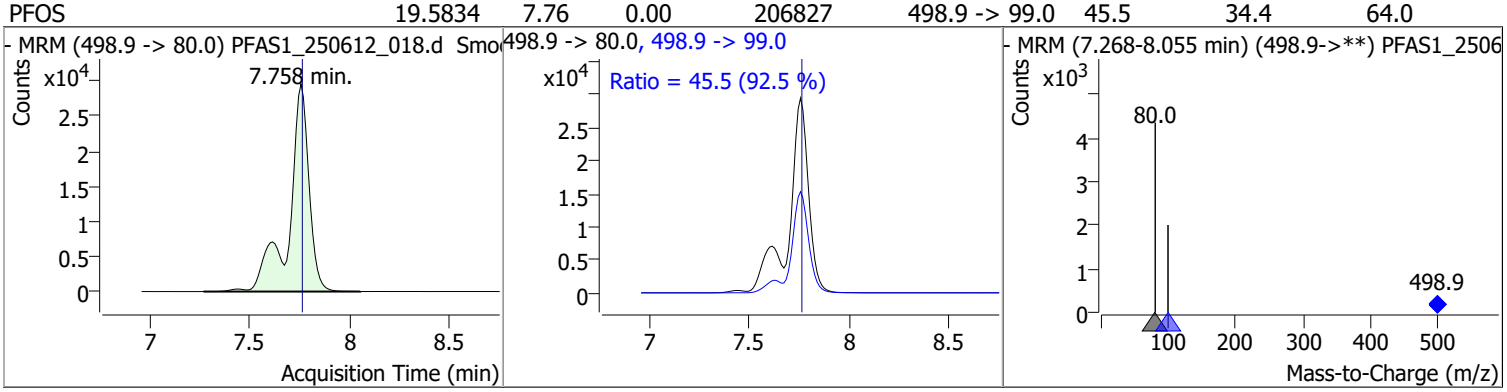
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5008	7.76	0.00	23637	507.0 -> 99.0	54.3	36.0	66.9



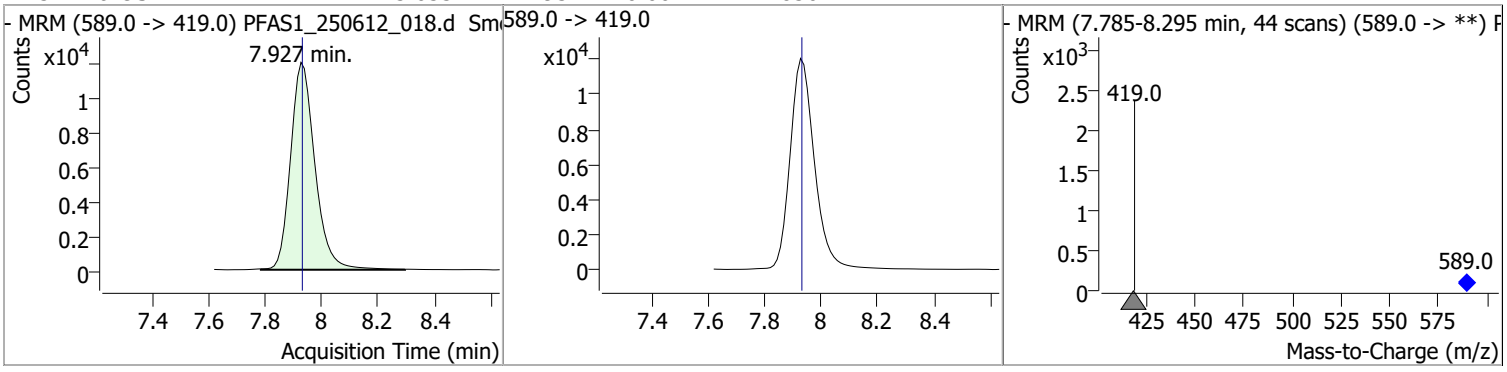
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	23851	503.0 -> 99.0	49.5	36.6	67.9



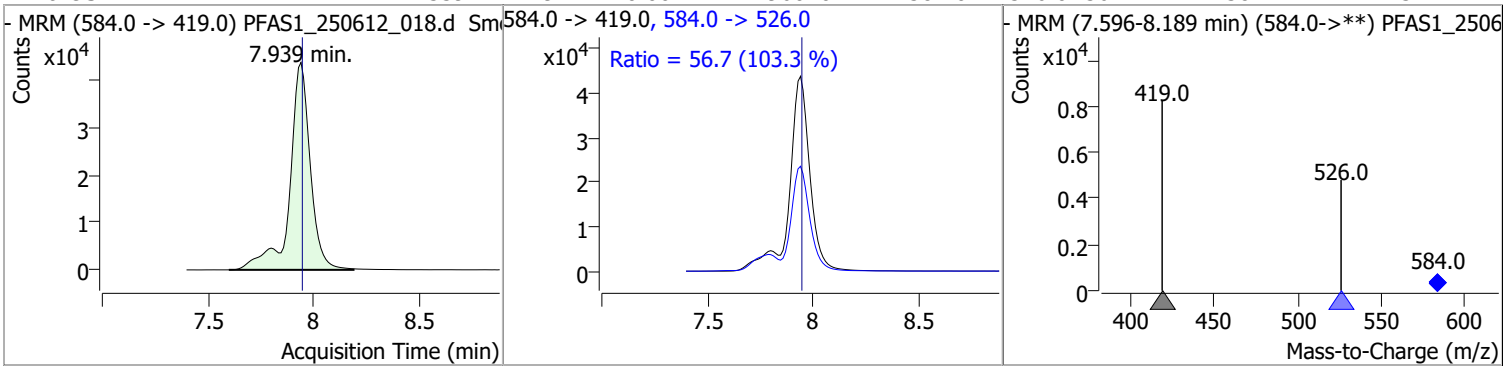
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	19.5834	7.76	0.00	206827	498.9 -> 99.0	45.5	34.4	64.0



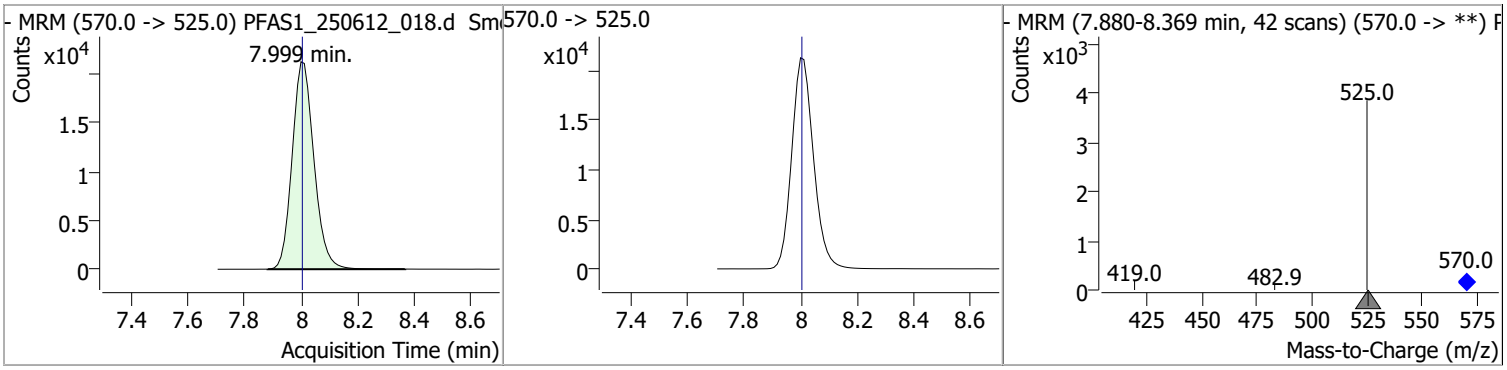
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0334	7.93	0.00	71830				



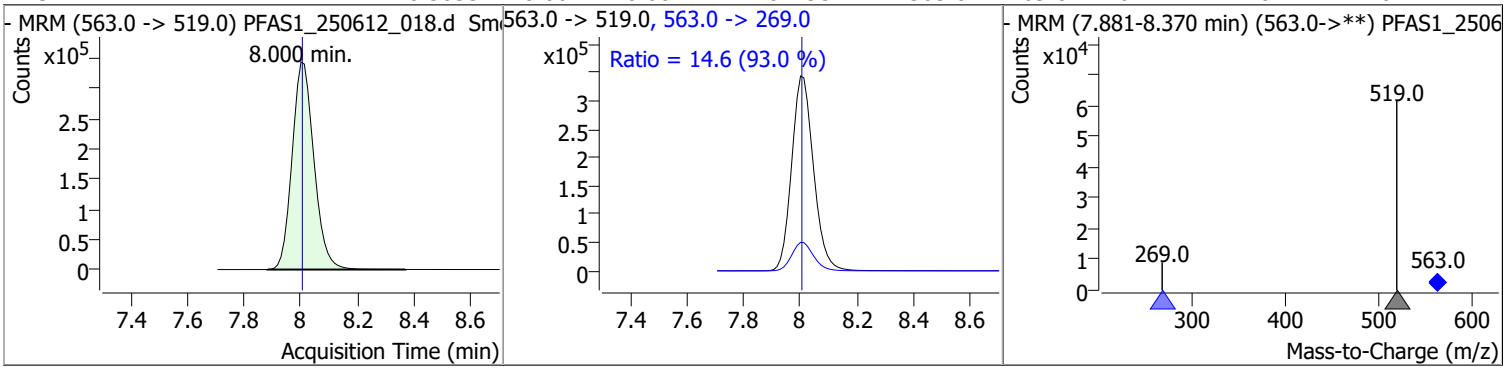
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	21.3392	7.94	0.00	296010	584.0 -> 526.0	56.7	38.4	71.3



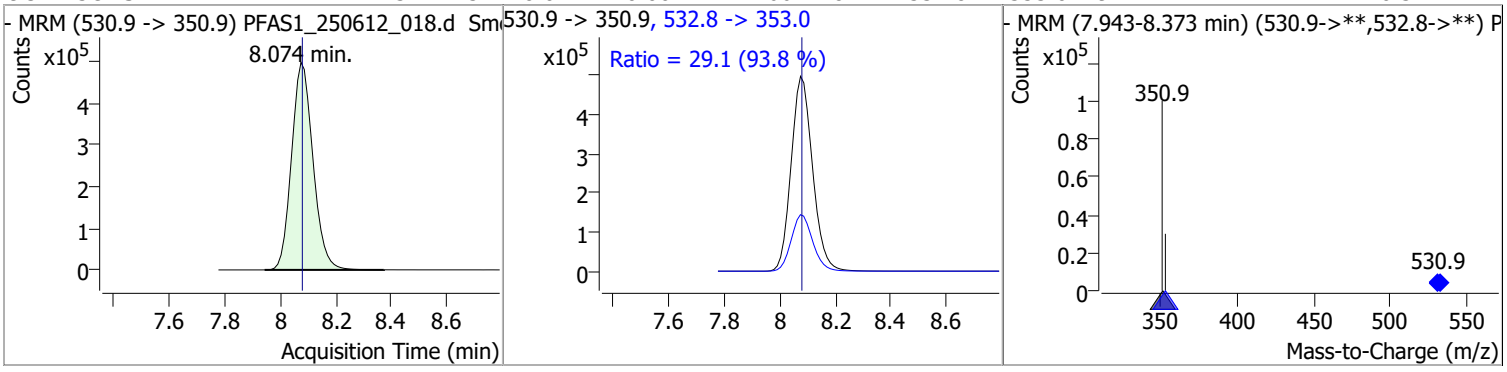
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2678	8.00	0.00	113782				



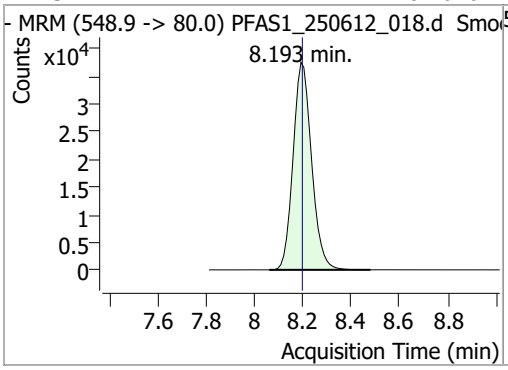
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	20.5033	8.00	0.00	1847951	563.0 -> 269.0	14.6	11.0	20.4

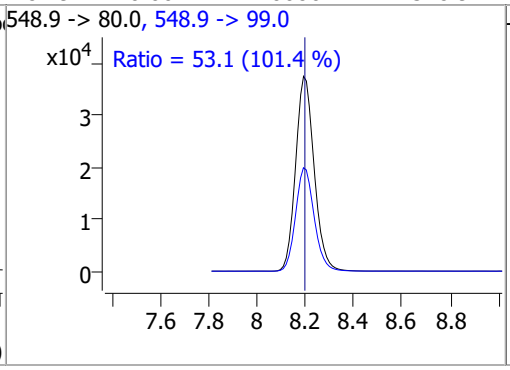


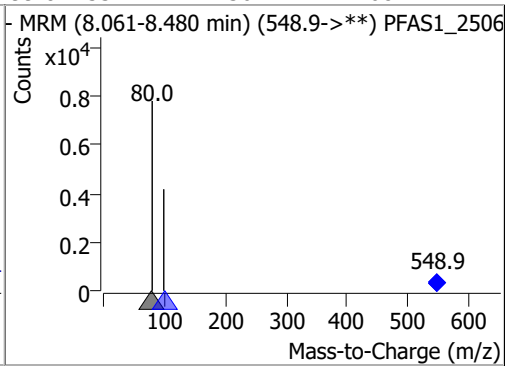
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	37.7115	8.07	0.00	2664728	532.8 -> 353.0	29.1	21.7	40.3



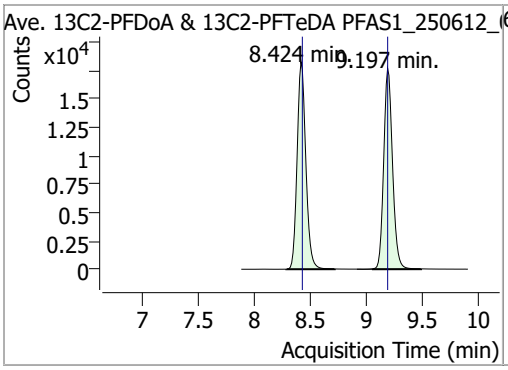
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	20.1676	8.19	0.00	200804	548.9 -> 99.0	53.1	36.7	68.1

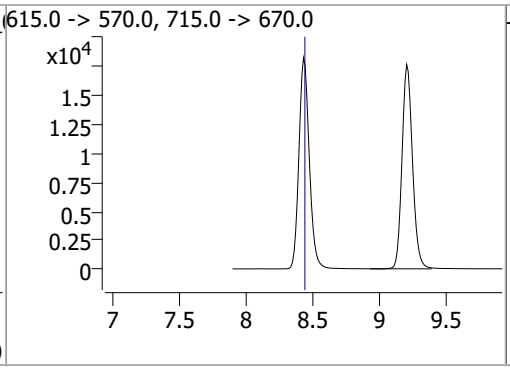


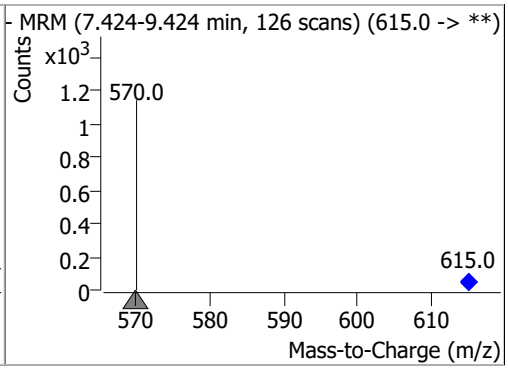




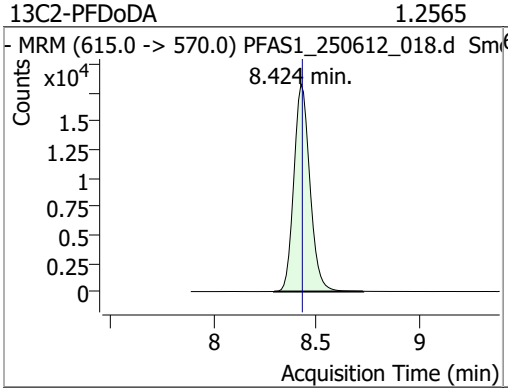
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2606	8.81	0.39	97201				

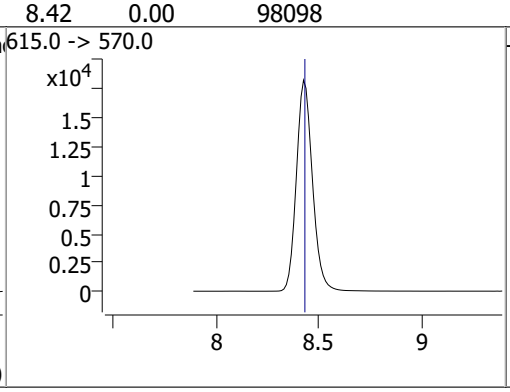


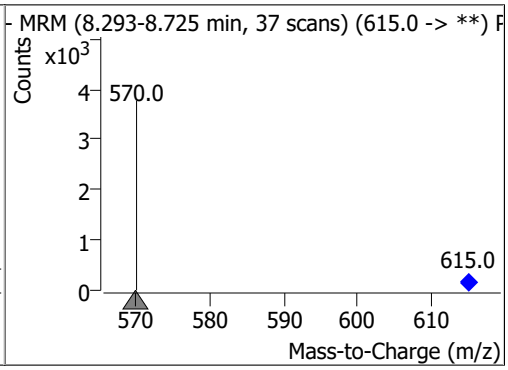




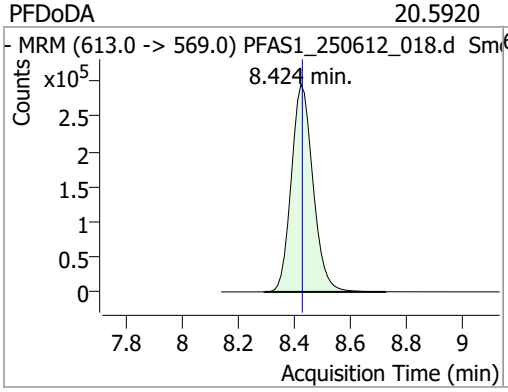
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2565	8.42	0.00	98098				

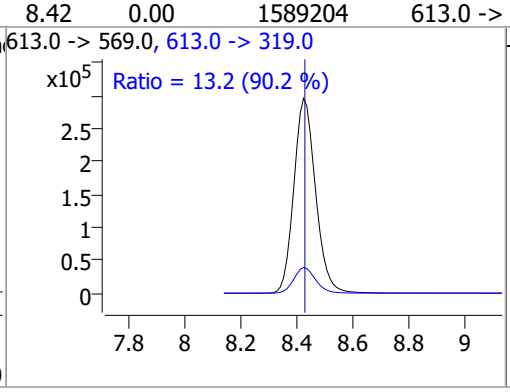


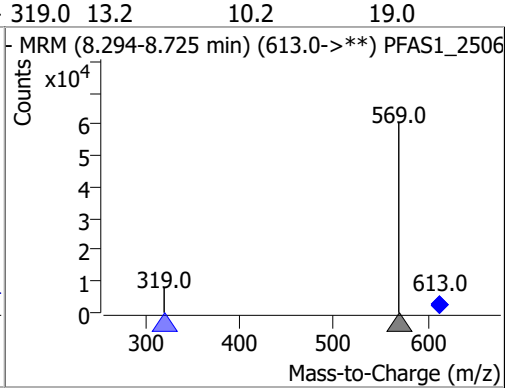




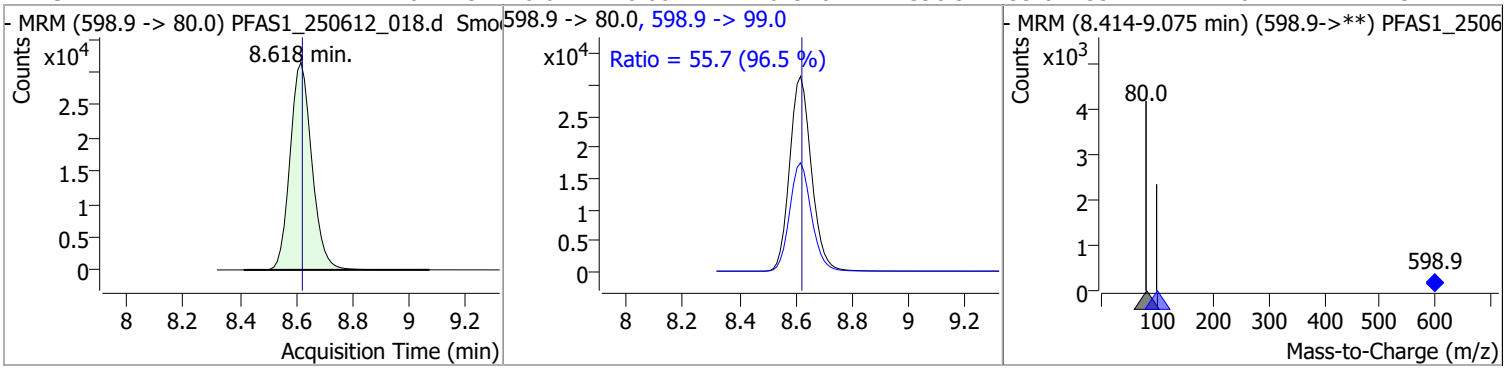
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	20.5920	8.42	0.00	1589204	613.0 -> 319.0	13.2	10.2	19.0



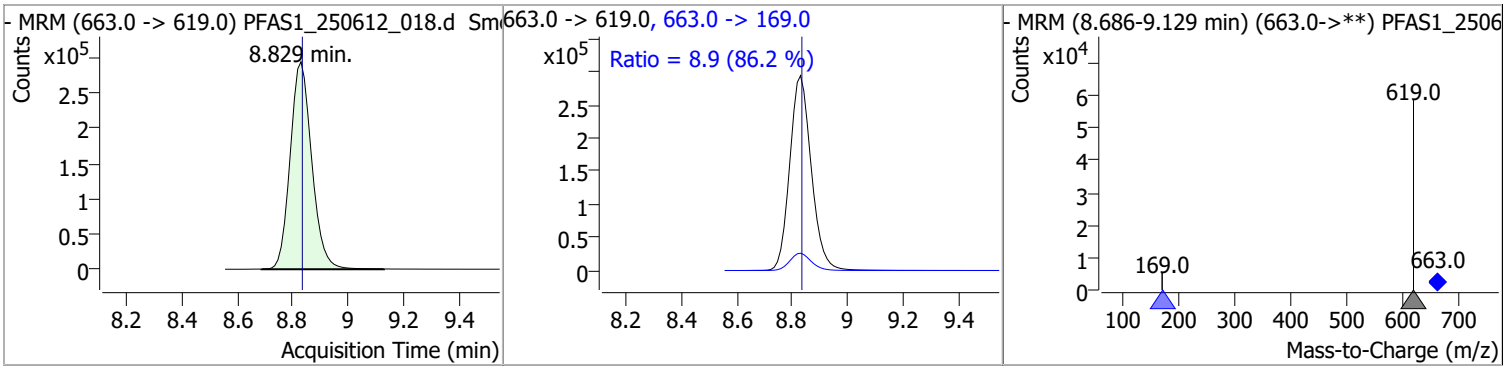




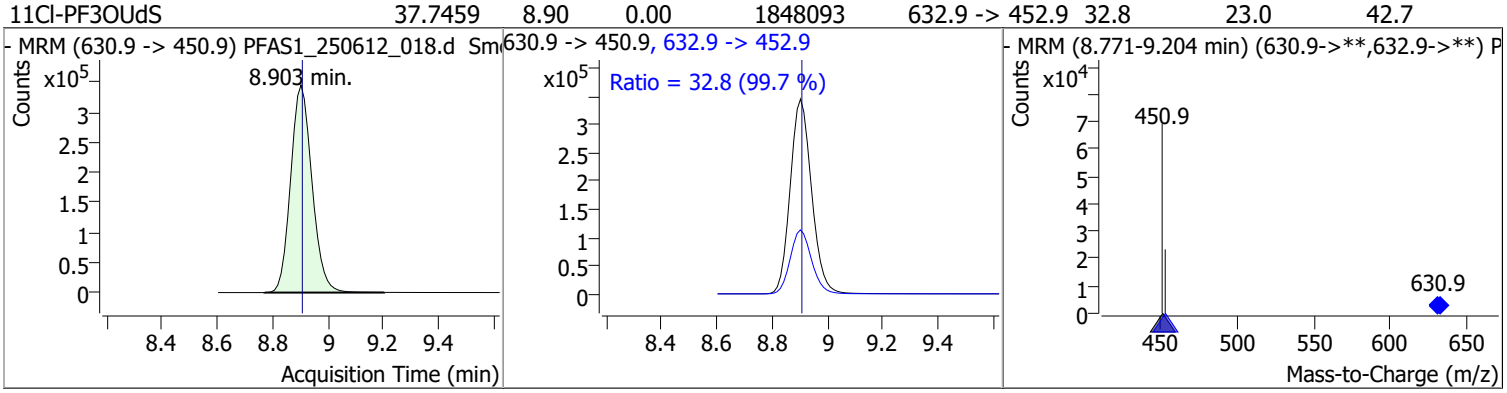
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	20.4719	8.62	0.00	167978	598.9 -> 99.0	55.7	40.4	74.9



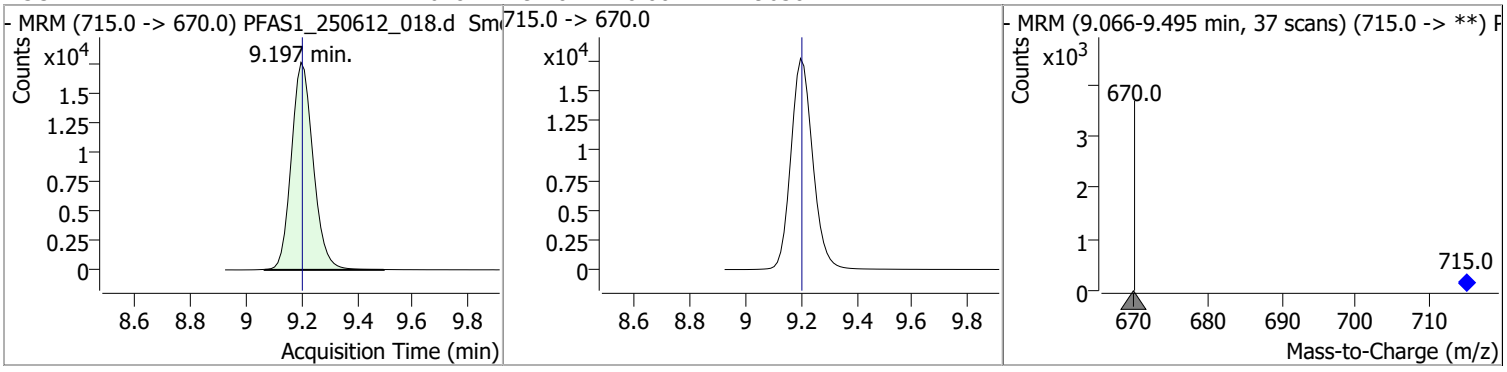
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	20.6190	8.83	0.00	1592100	663.0 -> 169.0	8.9	7.2	13.4



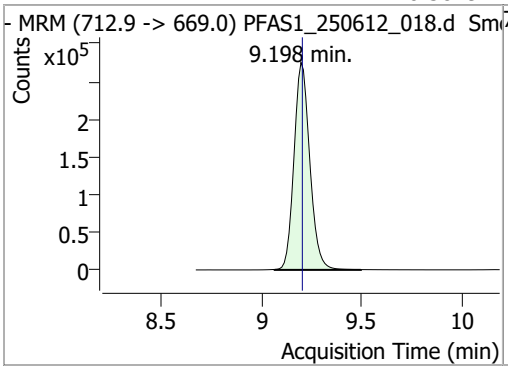
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	37.7459	8.90	0.00	1848093	632.9 -> 452.9	32.8	23.0	42.7

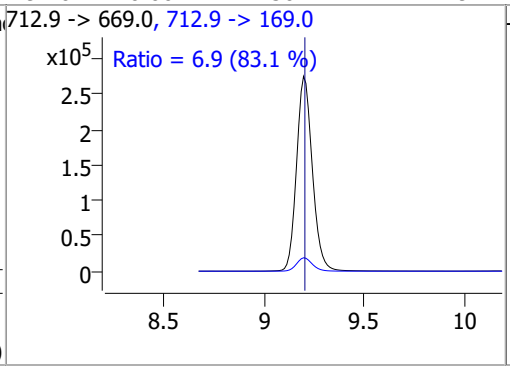


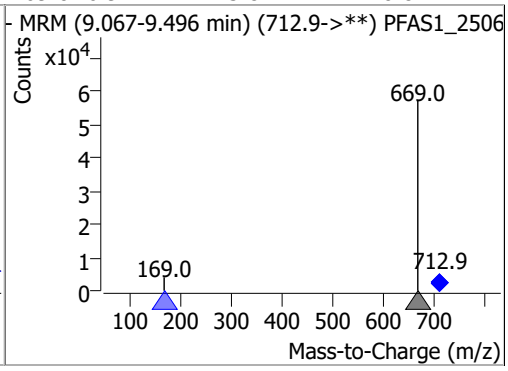
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2648	9.20	0.00	96304				



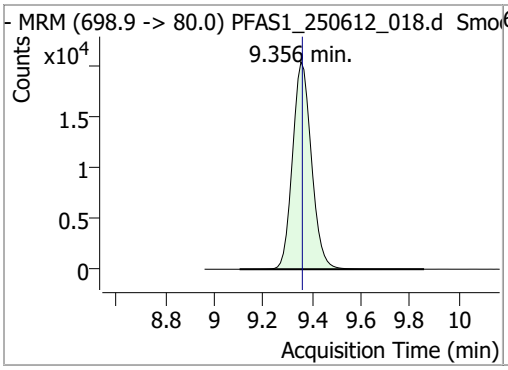
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	20.3819	9.20	0.00	1507172	712.9 -> 169.0	6.9	5.8	10.8

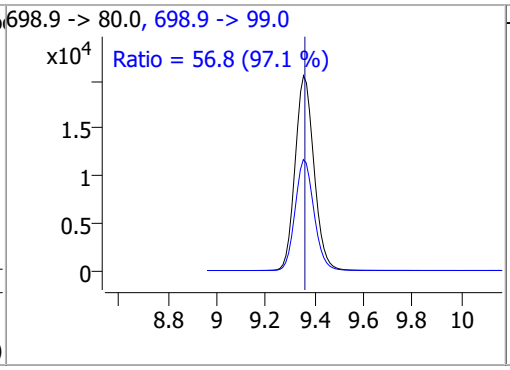


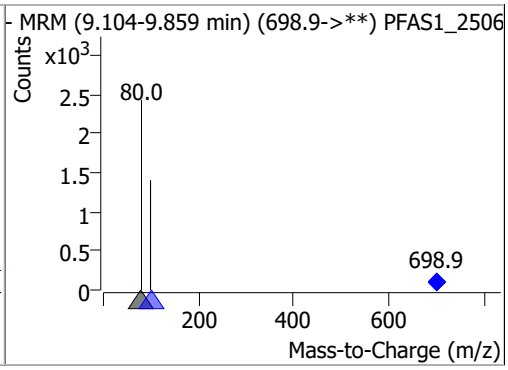




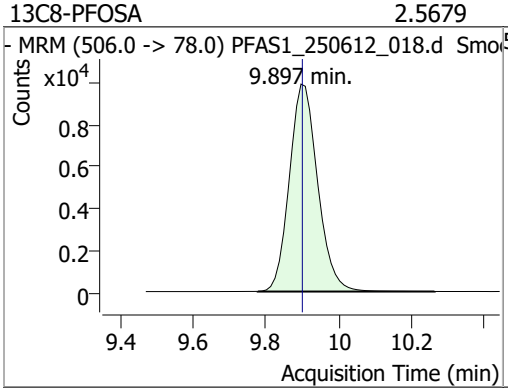
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	20.2974	9.36	0.00	109587	698.9 -> 99.0	56.8	41.0	76.1

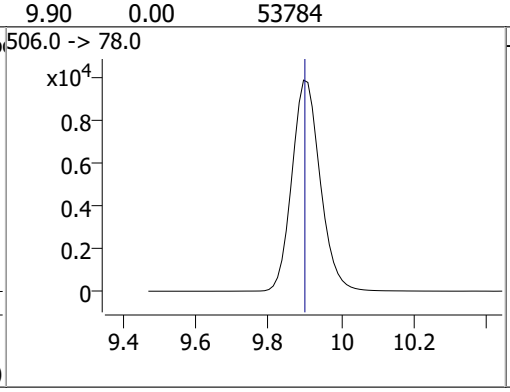


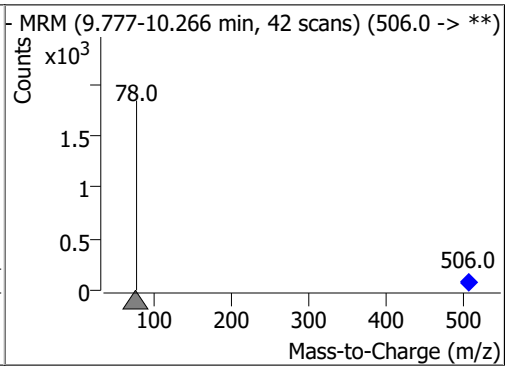




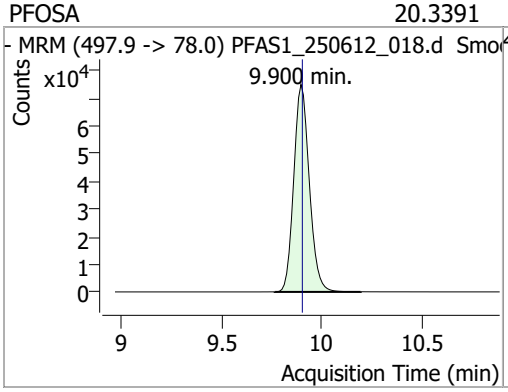
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5679	9.90	0.00	53784				

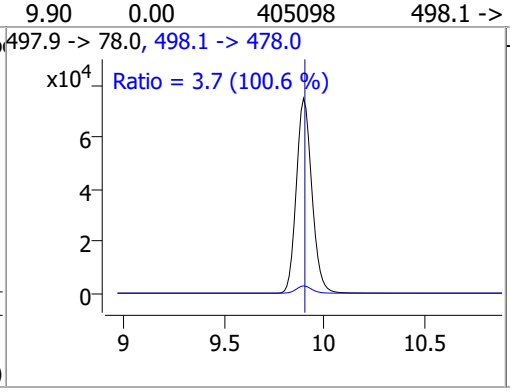


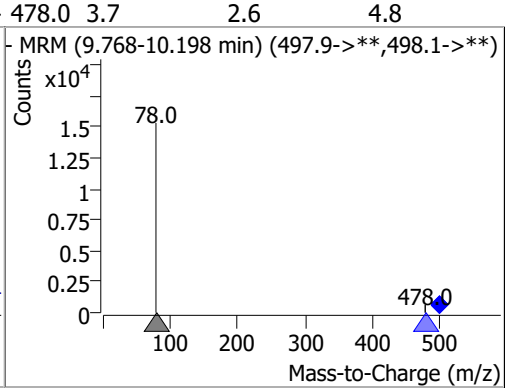




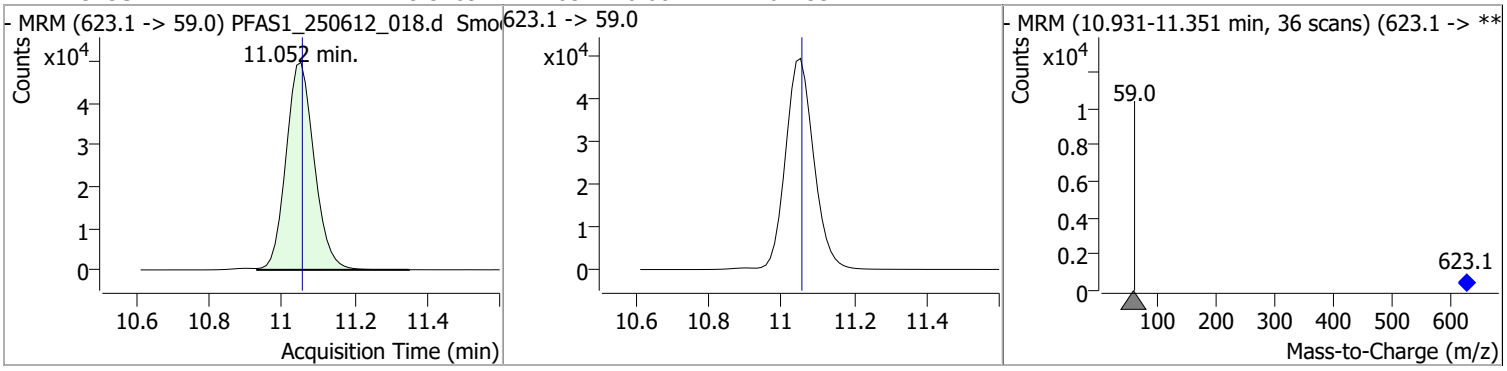
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	20.3391	9.90	0.00	405098	498.1 -> 478.0	3.7	2.6	4.8



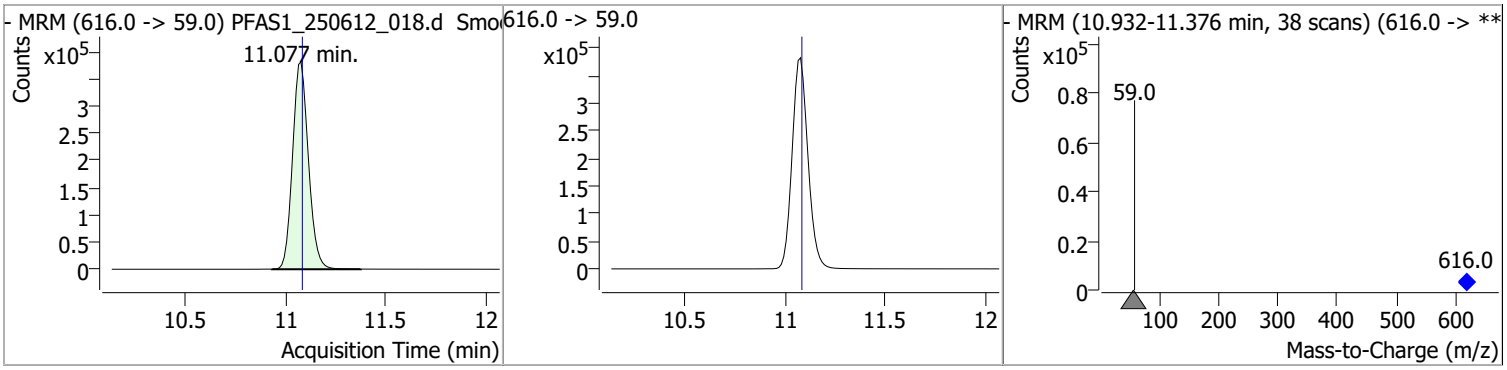




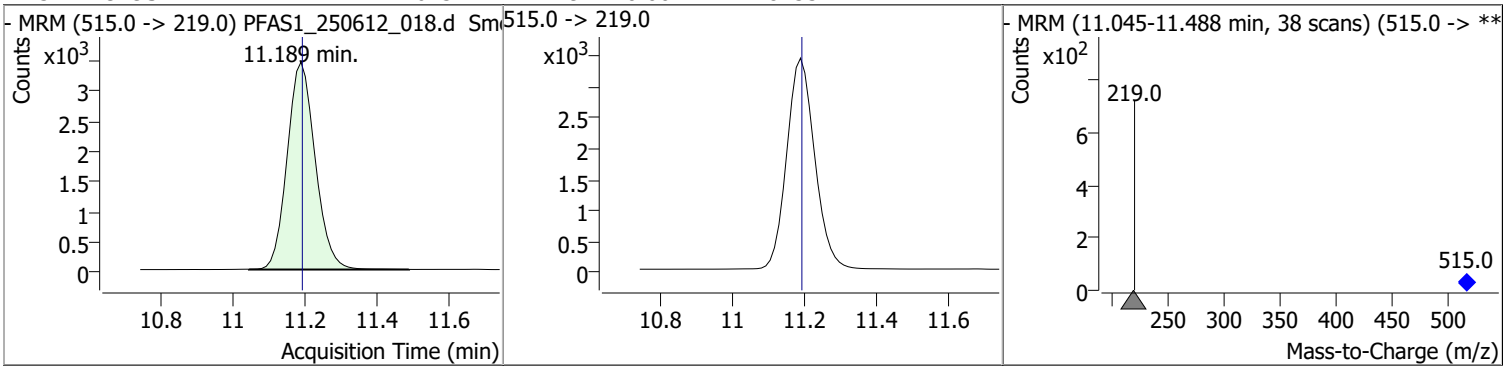
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.5189	11.05	0.00	267799				



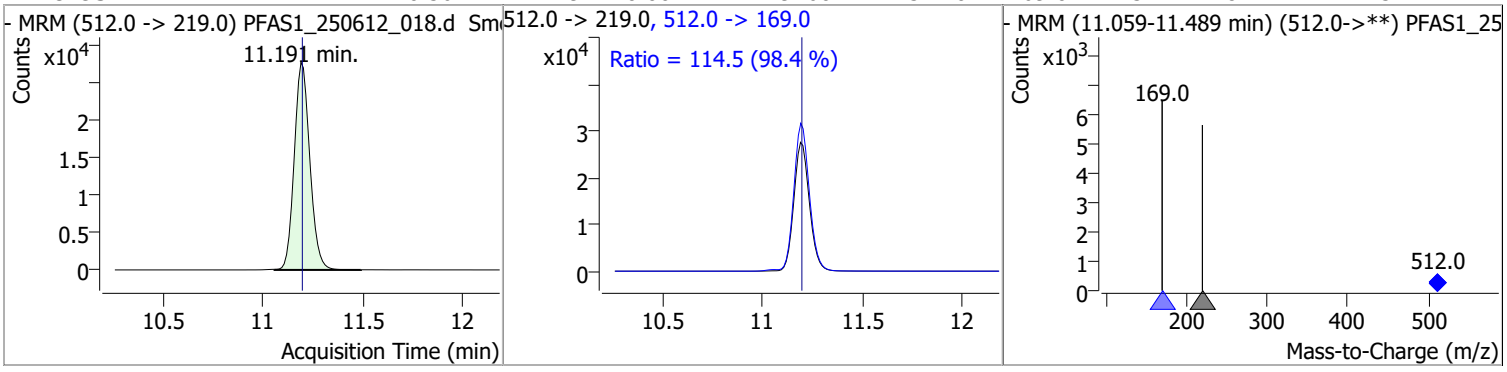
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	204.0158	11.08	0.00	2091280				



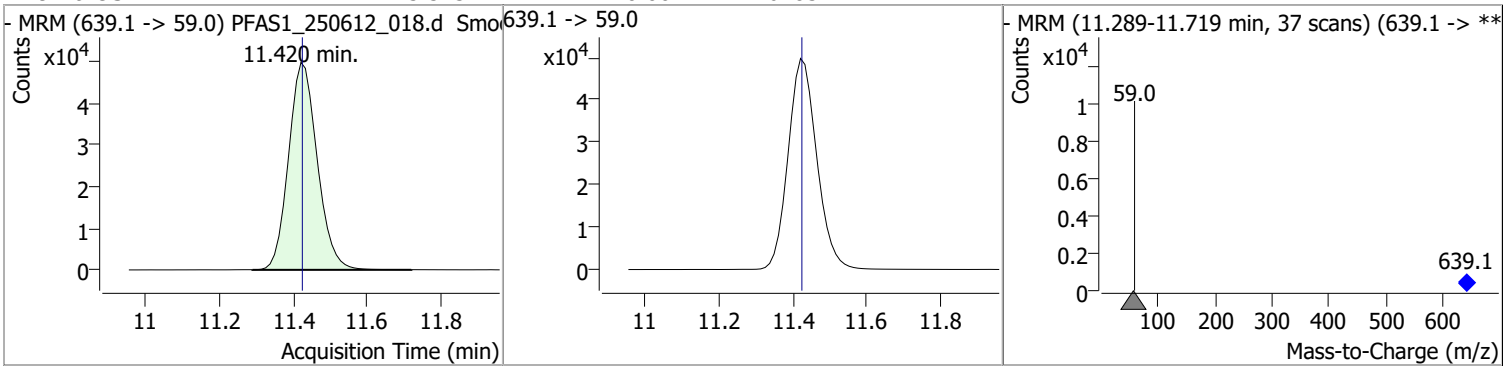
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6234	11.19	0.00	18453				



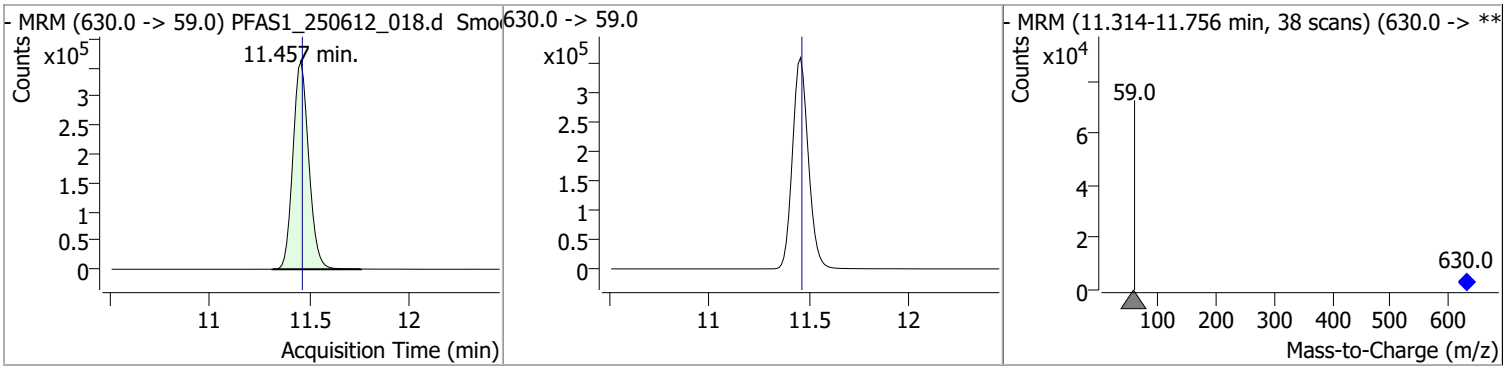
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	20.5674	11.19	0.00	149160	512.0 -> 169.0	114.5	81.4	151.2



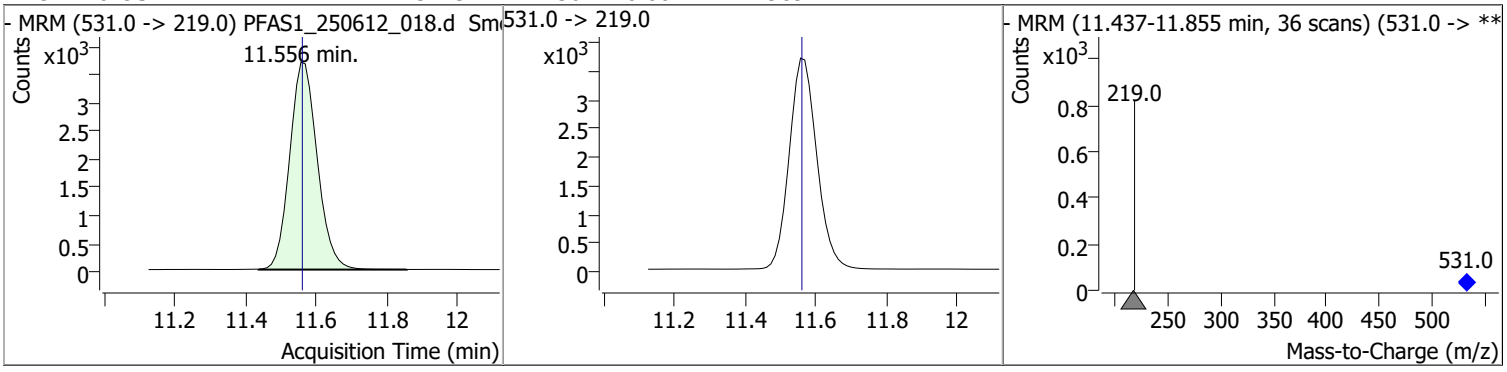
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.5131	11.42	0.00	267834				



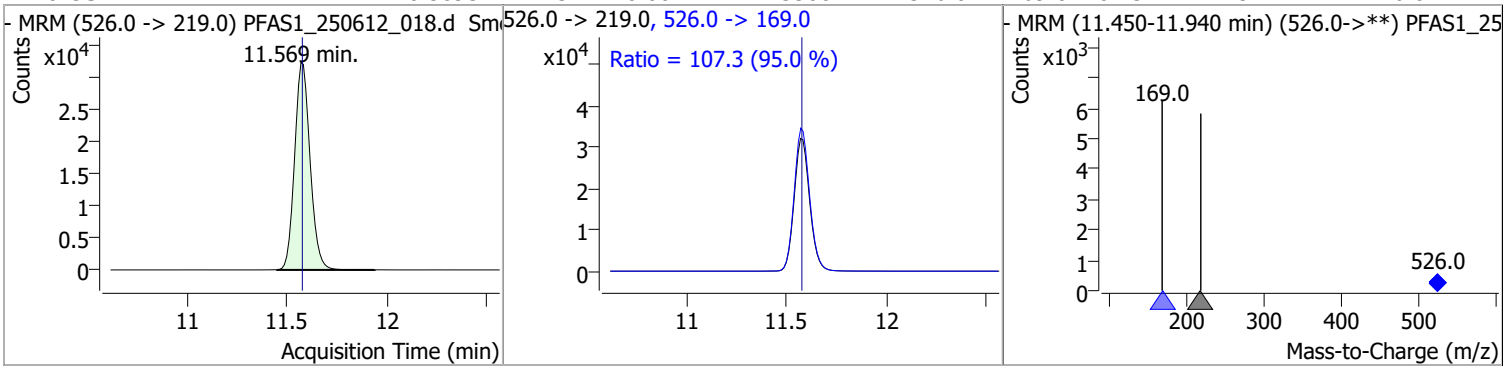
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	199.1937	11.46	0.00	1981021				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5743	11.56	0.00	19897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	20.5893	11.57	0.00	173588	526.0 -> 169.0	107.3	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_019.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 5:30:43 PM
Sample Name	SEQ-CAL8	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

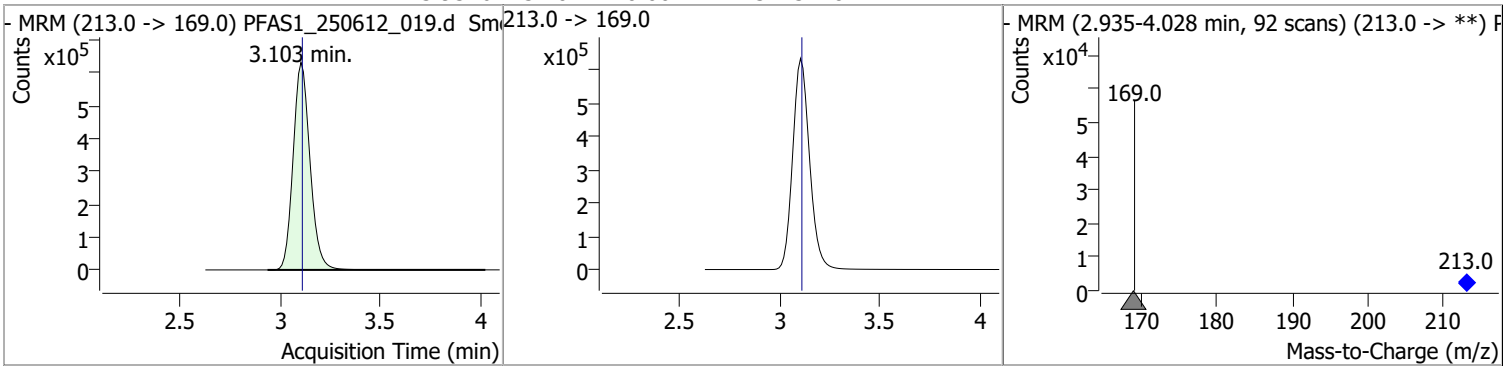
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.099	216.0 -> 172.0	144103	5.0000	µg/L		-8.898
13C2-PFHxA	5.479	315.0 -> 270.0	170928	2.5000	µg/L		-4.336
18O2-PFHxS	6.808	403.0 -> 84.0	22631	2.5000	µg/L		-3.701
13C4-PFOA	6.663	417.0 -> 172.0	19275	2.5000	µg/L		-4.555
13C5-PFNA	7.137	468.0 -> 423.0	113083	1.2500	µg/L		-5.510
13C2-PFDA	7.576	515.0 -> 470.0	121369	1.2500	µg/L		-3.007
13C4-PFOS	7.757	503.0 -> 80.0	23661	2.5000	µg/L		-5.227
System Monitoring Compounds							
13C4-PFBA	3.095	217.0 -> 172.0	330240	10.0000	µg/L		-9.521
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.26%			
13C4-PFBA	3.095	217.0 -> 172.0	330240	10.0000	µg/L		-9.521
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.26%			
13C5-PFPeA	4.594	268.0 -> 223.0	252646	5.0000	µg/L		-6.346
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.93%			
13C5-PFPeA	4.594	268.0 -> 223.0	252646	5.0000	µg/L		-6.346
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.93%			
13C2-4-2 FTSA	5.238	329.0 -> 81.0	13398	5.0000	µg/L	#	-16.862
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 86.78%			
13C5-PFHxA	5.478	318.0 -> 273.0	172259	2.5000	µg/L		-6.381
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.85%			
13C5-PFHxA	5.478	318.0 -> 273.0	172259	2.5000	µg/L		-6.381
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.85%			
13C3-PFBS	5.494	302.0 -> 80.0	38027	2.5000	µg/L		-10.790
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.83%			
13C3-HFPO-DA	5.735	287.0 -> 169.0	211275	10.0000	µg/L		-4.776
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.51%			
13C4-PFHpA	6.142	367.0 -> 322.0	202739	2.5000	µg/L		-4.906
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.36%			
13C3-PFHxS	6.797	402.0 -> 80.0	25515	2.5000	µg/L		-5.434
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.25%			
13C2-6-2 FTSA	6.459	429.0 -> 81.0	9553	5.0000	µg/L	#	-15.287
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 88.31%			
13C8-PFOA	6.662	421.0 -> 376.0	216194	2.5000	µg/L		-4.295
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.19%			
13C3-PFHxS	6.797	402.0 -> 80.0	25515	2.5000	µg/L		-5.434
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.25%			
13C9-PFNA	7.137	472.0 -> 427.0	117029	1.2500	µg/L		-4.623
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.97%			
13C8-PFOS	7.756	507.0 -> 80.0	23243	2.5000	µg/L		-6.068
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.15%			
13C2-8-2 FTSA	7.372	529.0 -> 81.0	11001	5.0000	µg/L	#	-10.618
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 92.88%			
13C6-PFDA	7.575	519.0 -> 474.0	126585	1.2500	µg/L		-4.754
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.26%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	91775	5.0000	µg/L		-1.255

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.90%		
13C8-PFOS	7.756	507.0 -> 80.0	23243	2.5000	µg/L	-6.068
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.15%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	73724	5.0000	µg/L	-1.096
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.15%		
13C7-PFUnDA	7.999	570.0 -> 525.0	108309	1.2500	µg/L	-6.115
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.82%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	95520	1.2500	µg/L	-3.519
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.39%		
13C2-PFDoDA	8.424	615.0 -> 570.0	98376	1.2500	µg/L	-1.869
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.10%		
13C2-PFTDA	9.197	715.0 -> 670.0	92663	1.2500	µg/L	-5.210
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.65%		
13C8-PFOSA	9.897	506.0 -> 78.0	52508	2.5000	µg/L	-3.997
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.08%		
2H7-MeFOSE	11.052	623.1 -> 59.0	256218	25.0000	µg/L	-6.731
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.45%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	17608	2.5000	µg/L	-4.062
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.93%		
2H9-EtFOSE	11.420	639.1 -> 59.0	257645	25.0000	µg/L	-6.234
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.96%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	19399	2.5000	µg/L	-3.953
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.20%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	3723218	123.9326	µg/L	100
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 103.28%		
PFMPA	3.794	229.0 -> 85.0	1466935	62.0434	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 103.41%		
3-3 FTCA	4.030	241.0 -> 177.0	158854	128.2228	µg/L	99
Spiked Amount: 120.000	Range: 70 - 130%			Recovery = 106.85%		
PFPeA	4.596	263.0 -> 219.0	3071205	61.5924	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 102.65%		
PFMBA	4.910	279.0 -> 85.0	1974523	61.7717	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 102.95%		
4-2 FTSA	5.239	327.0 -> 307.0	1036332	113.5464	µg/L	96
Spiked Amount: 112.500	Range: 70 - 130%			Recovery = 100.93%		
NFDHA	5.390	295.0 -> 201.0	161483	61.0841	µg/L	94
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 101.81%		
PFHxA	5.480	313.0 -> 269.0	2158497	31.0201	µg/L	99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 103.40%		
PFBS	5.495	298.9 -> 80.0	472413	28.1957	µg/L	98
Spiked Amount: 26.610	Range: 70 - 130%			Recovery = 105.96%		
HFPO-DA	5.736	285.0 -> 169.0	1294536	60.7990	µg/L	100
Spiked Amount: 60.000	Range: 70 - 130%			Recovery = 101.33%		
PFEESA	5.860	314.9 -> 135.0	2745372	53.8120	µg/L	98
Spiked Amount: 53.400	Range: 70 - 130%			Recovery = 100.77%		
5-3 FTCA	6.132	341.0 -> 237.0	3861623	636.9318	µg/L	100
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 106.16%		
PFHpA	6.142	363.0 -> 319.0	2464983	30.6959	µg/L	98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.32%		
PFPeS	6.240	348.9 -> 80.0	359488	28.4957	µg/L	99
Spiked Amount: 28.230	Range: 70 - 130%			Recovery = 100.94%		
DONA	6.333	377.0 -> 251.0	5678983	57.7132	µg/L	98
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 101.79%		

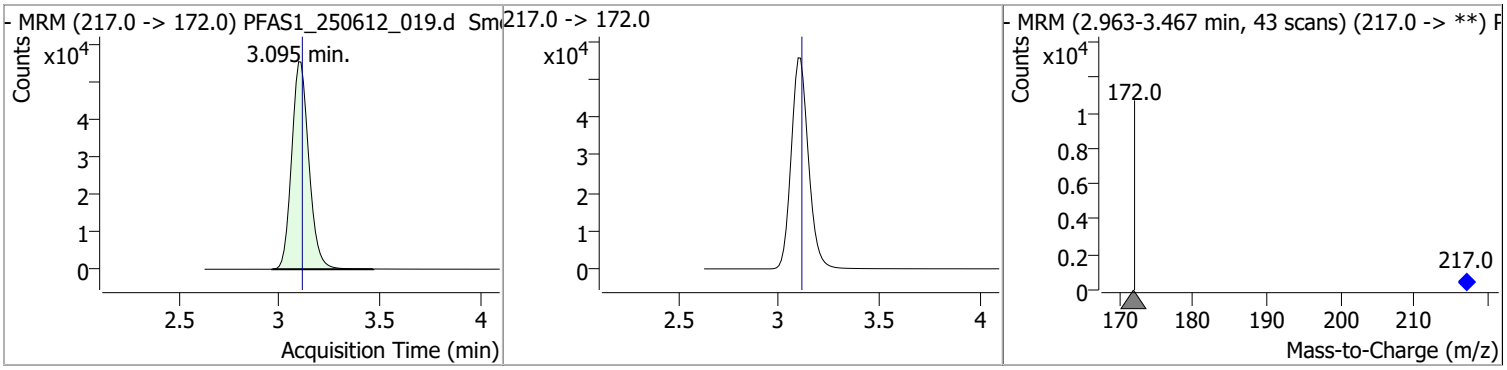
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	930924	115.3473	µg/L	98
Spiked Amount: 114.000	Range: 70 - 130%			Recovery = 101.18%		
PFOA	6.663	413.0 -> 369.0	2609733	30.6979	µg/L	98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.33%		
PFHxS	6.798	398.9 -> 80.0	293585	28.0825	µg/L	98
Spiked Amount: 27.420	Range: 70 - 130%			Recovery = 102.42%		
PFNA	7.138	463.0 -> 419.0	2728564	30.9330	µg/L	97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 103.11%		
PFHpS	7.295	448.9 -> 80.0	277504	29.1547	µg/L	100
Spiked Amount: 28.590	Range: 70 - 130%			Recovery = 101.98%		
8-2 FTSA	7.373	527.0 -> 507.0	892539	114.1738	µg/L	98
Spiked Amount: 115.200	Range: 70 - 130%			Recovery = 99.11%		
7-3 FTCA	7.463	441.0 -> 317.0	4269986	637.2817	µg/L	99
Spiked Amount: 600.000	Range: 70 - 130%			Recovery = 106.21%		
PFDA	7.576	513.0 -> 469.0	2953024	30.4356	µg/L	98
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.45%		
N-MeFOSAA	7.704	570.0 -> 419.0	495807	30.6882	µg/L	97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.29%		
PFOS	7.758	498.9 -> 80.0	293534	28.2768	µg/L	97
Spiked Amount: 27.840	Range: 70 - 130%			Recovery = 101.57%		
N-EtFOSAA	7.939	584.0 -> 419.0	432239	30.3553	µg/L	97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.18%		
PFUnDA	8.000	563.0 -> 519.0	2648886	30.8695	µg/L	97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.90%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	3762842	55.1877	µg/L	96
Spiked Amount: 56.100	Range: 70 - 130%			Recovery = 98.37%		
PFNS	8.193	548.9 -> 80.0	288214	29.4390	µg/L	98
Spiked Amount: 28.860	Range: 70 - 130%			Recovery = 102.01%		
PFDoDA	8.424	613.0 -> 569.0	2315787	29.9195	µg/L	97
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 99.73%		
PFDS	8.618	598.9 -> 80.0	237588	29.4394	µg/L	98
Spiked Amount: 28.950	Range: 70 - 130%			Recovery = 101.69%		
PFTrDA	8.829	663.0 -> 619.0	2313461	30.4812	µg/L	96
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 101.60%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	2672034	56.5532	µg/L	99
Spiked Amount: 56.700	Range: 70 - 130%			Recovery = 99.74%		
PFTDA	9.198	712.9 -> 669.0	2178130	30.6054	µg/L	96
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.02%		
PFDoS	9.356	698.9 -> 80.0	158841	29.9097	µg/L	96
Spiked Amount: 29.100	Range: 70 - 130%			Recovery = 102.78%		
PFOSA	9.900	497.9 -> 78.0	602837	31.0002	µg/L	100
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 103.33%		
MeFOSE	11.077	616.0 -> 59.0	2894905	295.2119	µg/L	100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 98.40%		
N-MeFOSA	11.191	512.0 -> 219.0	217077	31.3685	µg/L	99
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 104.56%		
EtFOSE	11.457	630.0 -> 59.0	2783084	291.0072	µg/L	100
Spiked Amount: 300.000	Range: 70 - 130%			Recovery = 97.00%		
N-EtFOSA	11.569	526.0 -> 219.0	253461	30.8259	µg/L	96
Spiked Amount: 30.000	Range: 70 - 130%			Recovery = 102.75%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

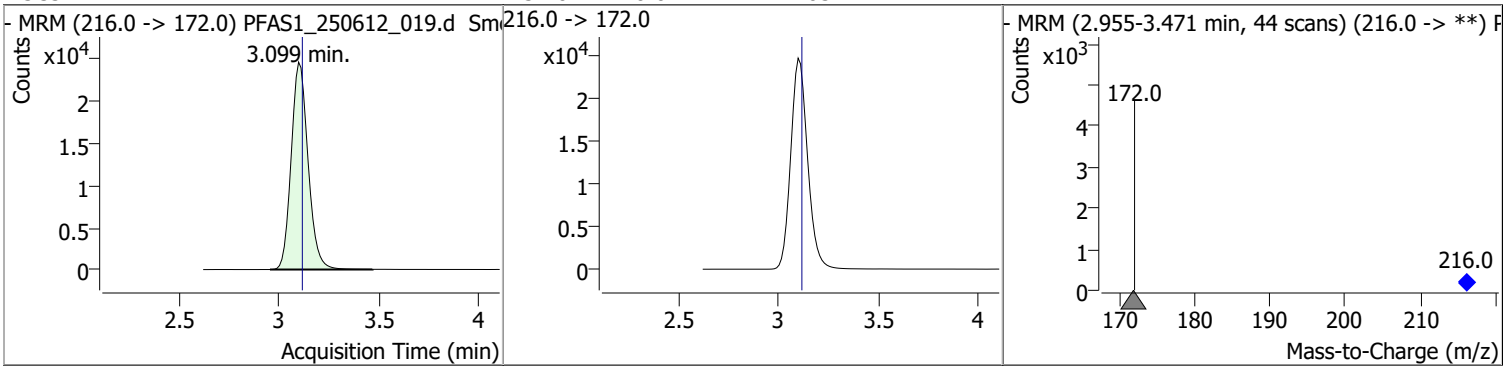
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	123.9326	3.10	0.00	3723218				



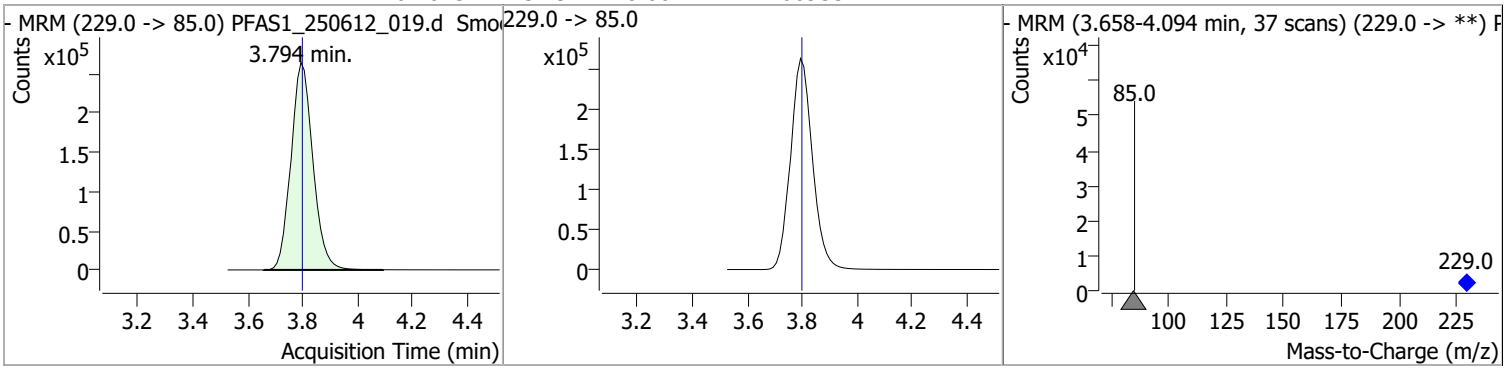
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9258	3.09	-0.01	330240				



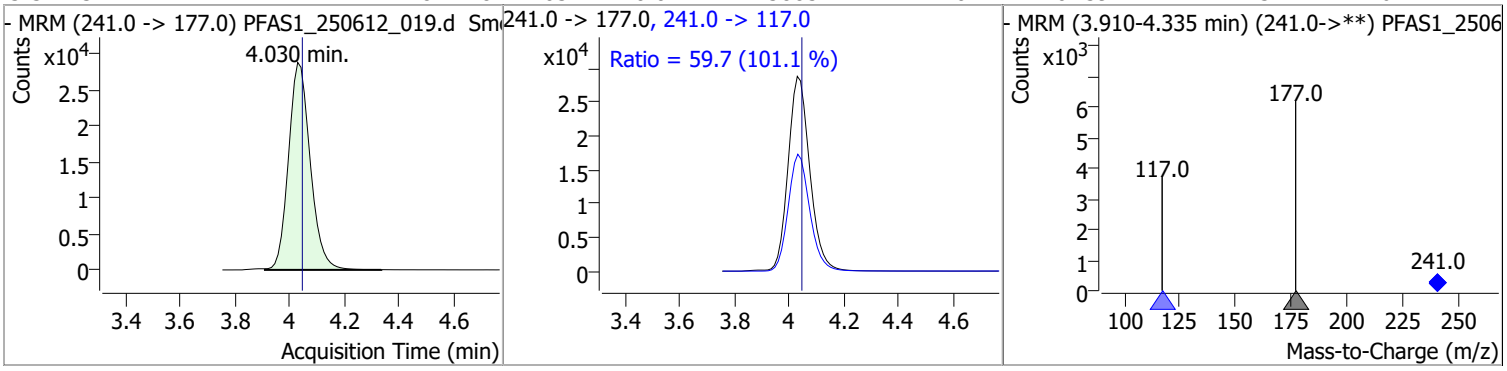
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	144103				



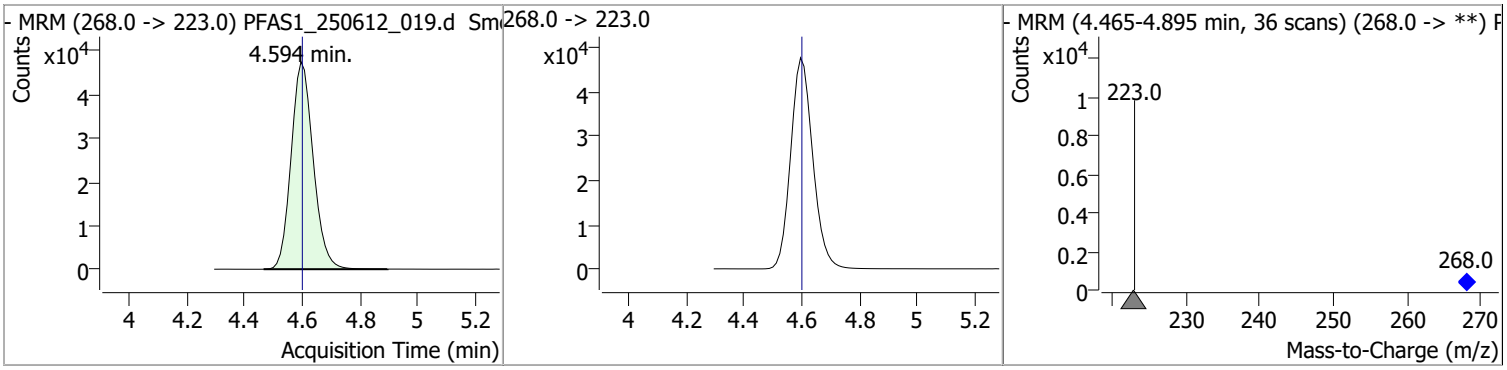
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	62.0434	3.79	0.00	1466935				



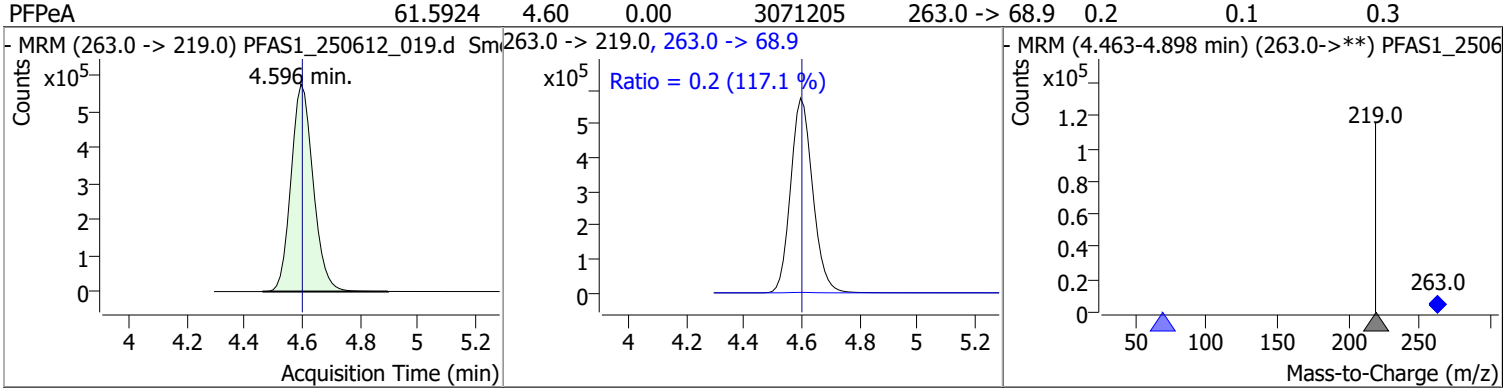
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	128.2228	4.03	-0.01	158854	241.0 -> 117.0	59.7	41.3	76.7



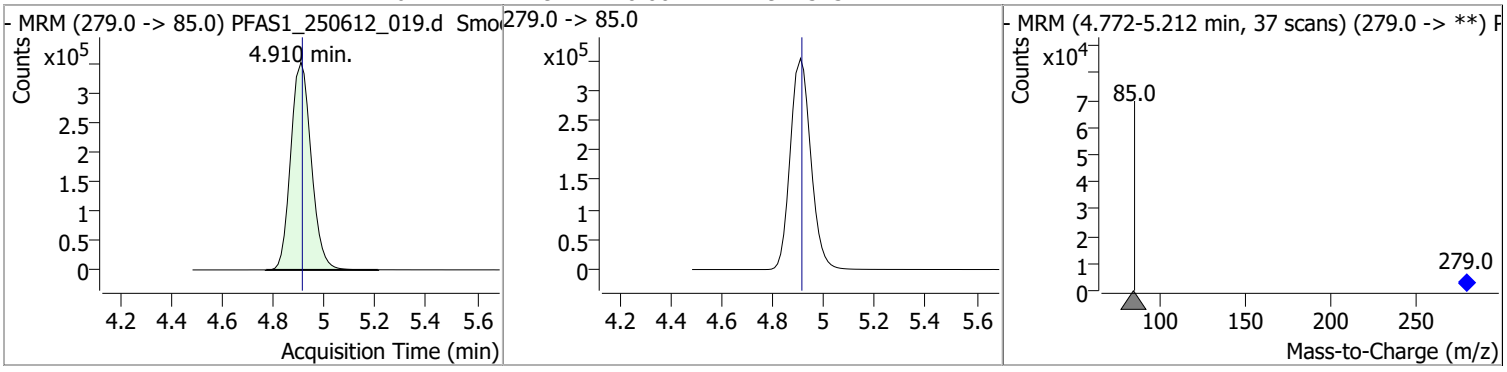
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.8966	4.59	0.00	252646				



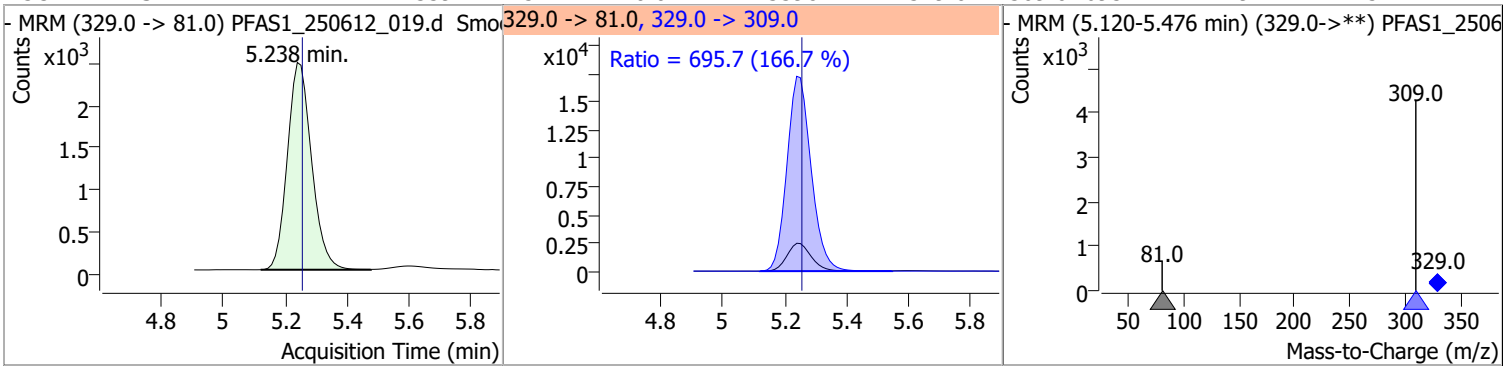
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	61.5924	4.60	0.00	3071205	263.0 -> 68.9	0.2	0.1	0.3



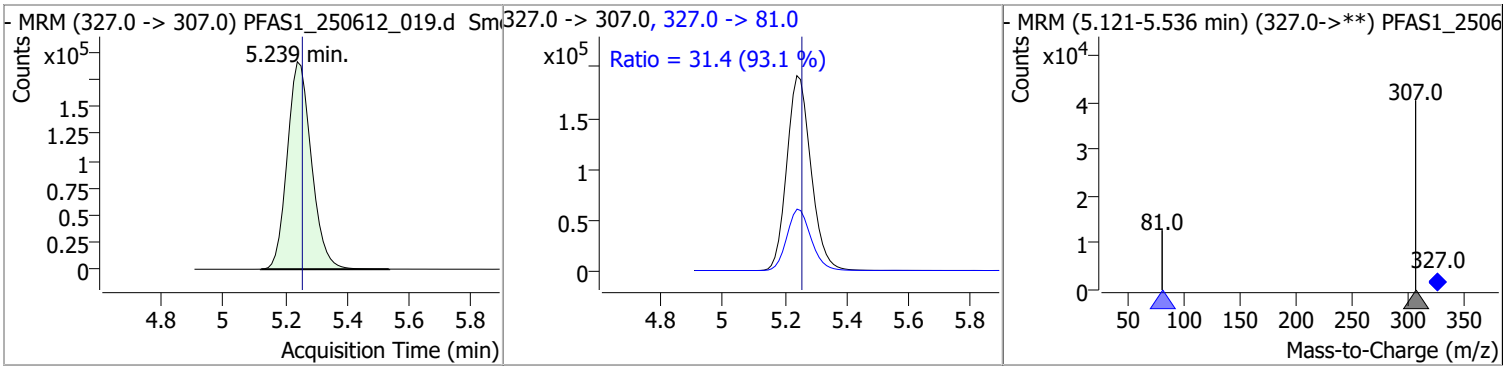
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	61.7717	4.91	0.00	1974523				



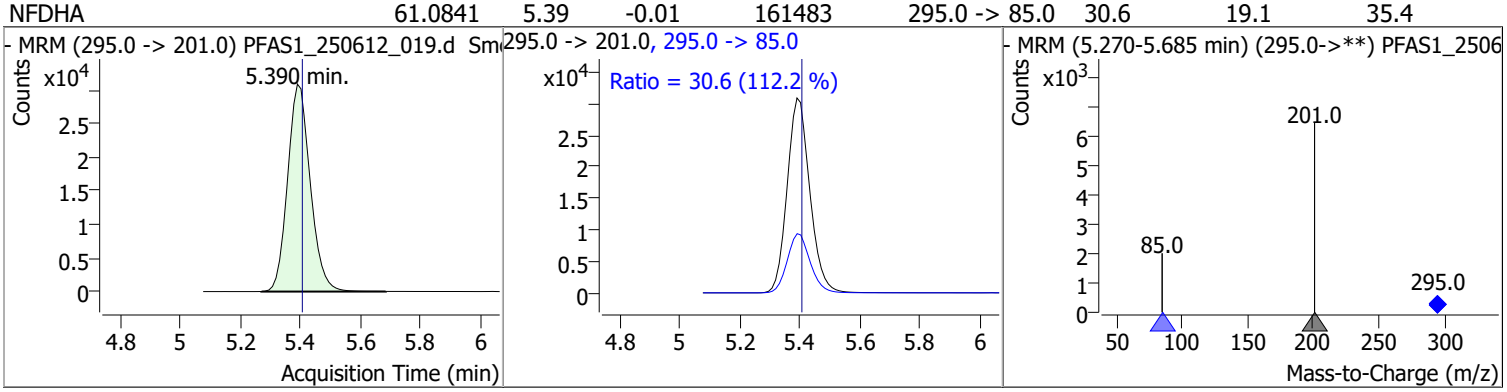
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.3392	5.24	-0.01	13398	329.0 -> 309.0	695.7	292.1	542.4



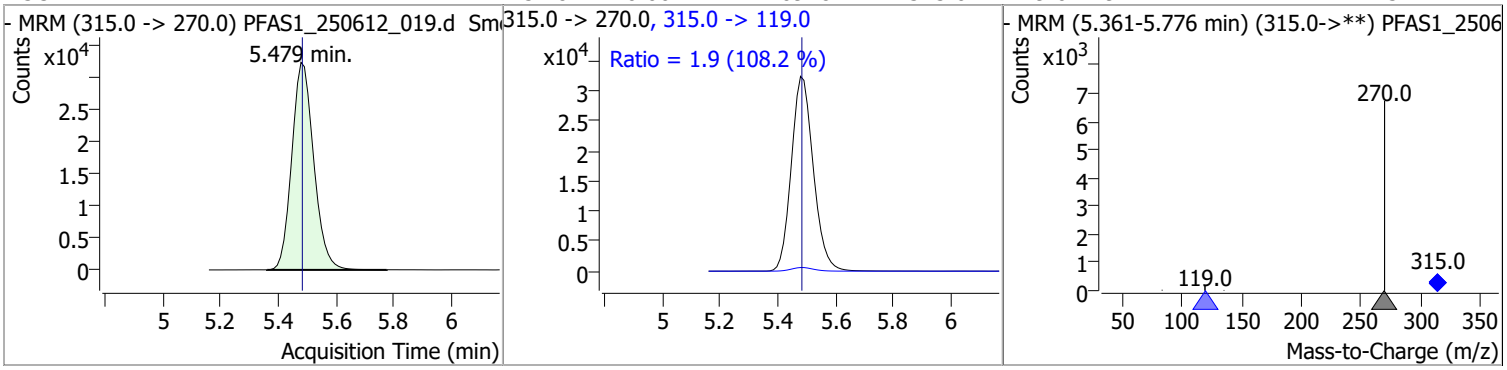
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	113.5464	5.24	-0.01	1036332	327.0 -> 81.0	31.4	23.6	43.9



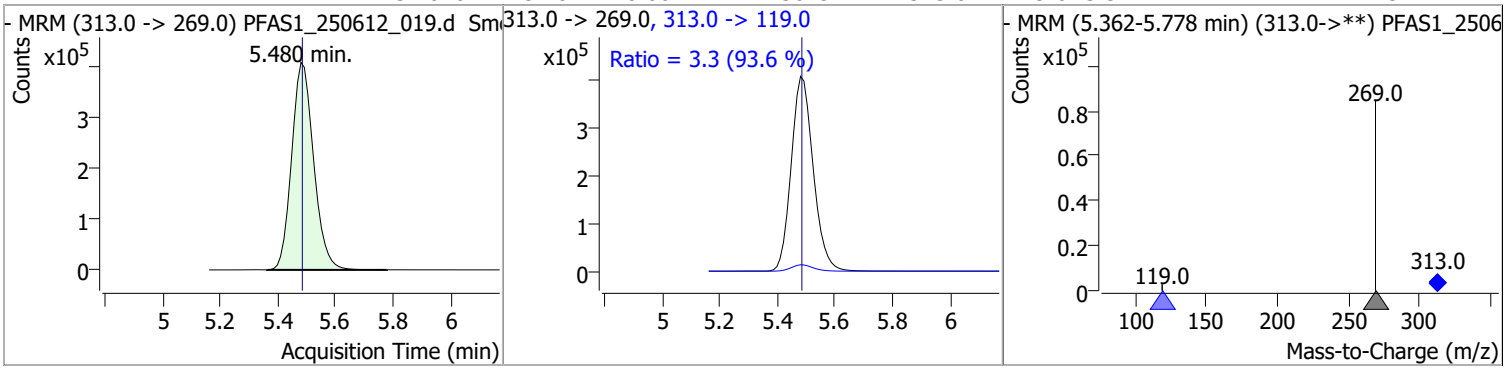
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	61.0841	5.39	-0.01	161483	295.0 -> 85.0	30.6	19.1	35.4



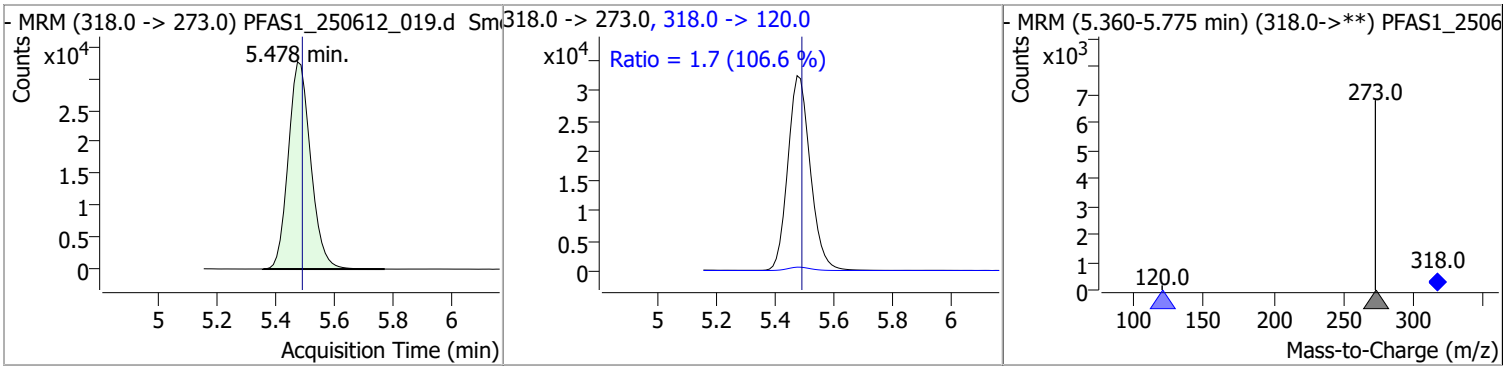
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	170928	315.0 -> 119.0	1.9	1.2	2.3



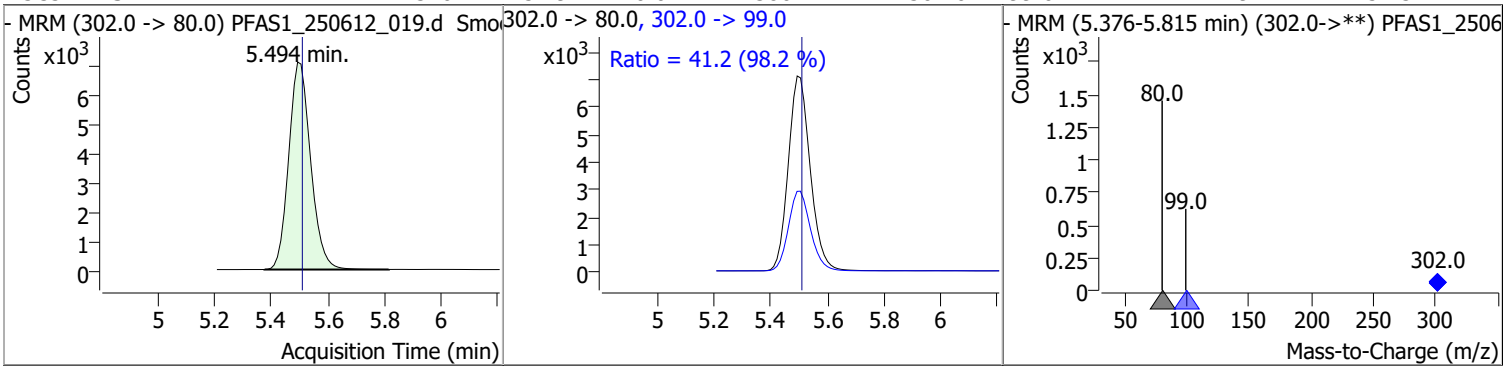
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	31.0201	5.48	0.00	2158497	313.0 -> 119.0	3.3	2.4	4.5



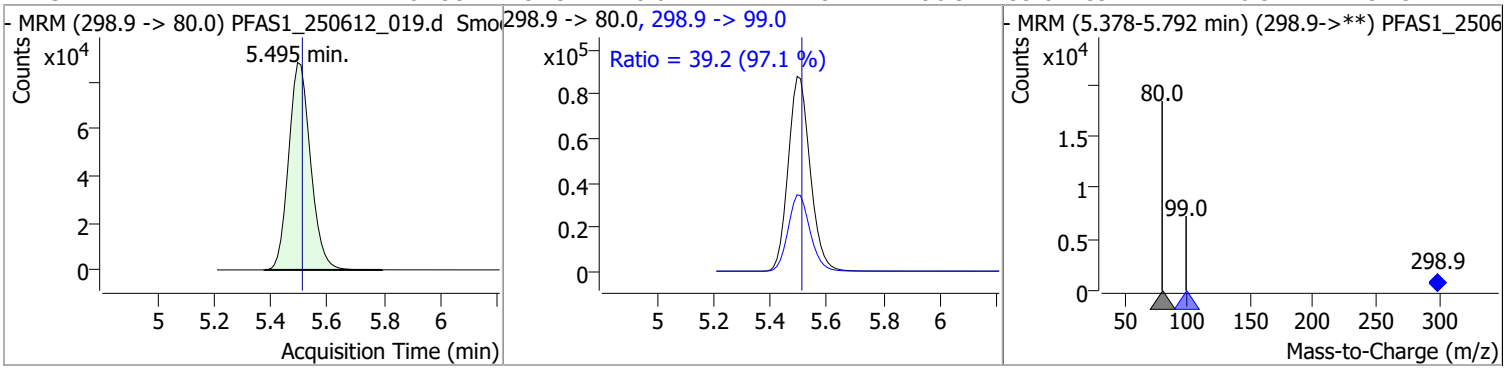
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4462	5.48	-0.01	172259	318.0 -> 120.0	1.7	1.1	2.1



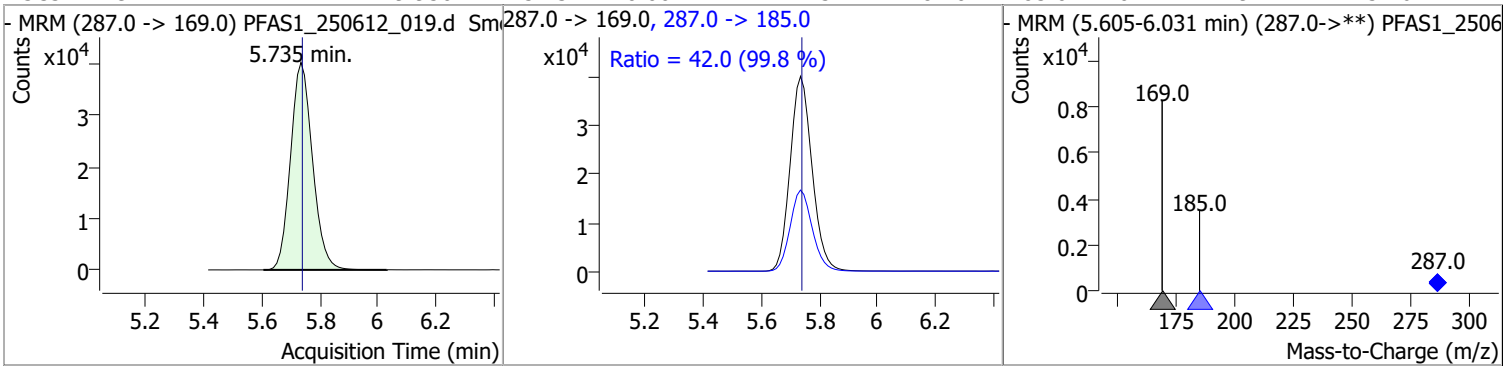
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3207	5.49	-0.01	38027	302.0 -> 99.0	41.2	29.4	54.5



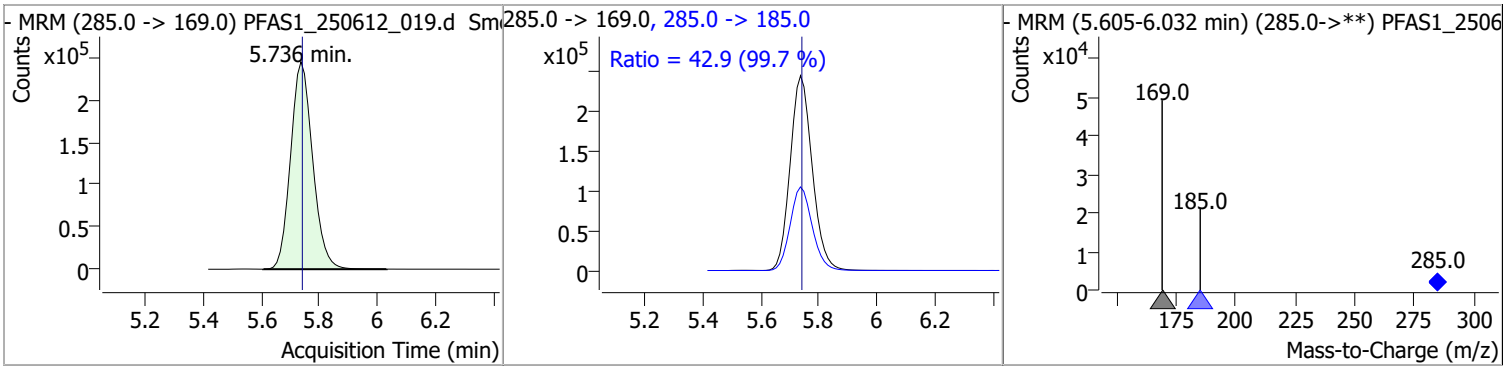
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	28.1957	5.49	-0.01	472413	298.9 -> 99.0	39.2	28.3	52.5



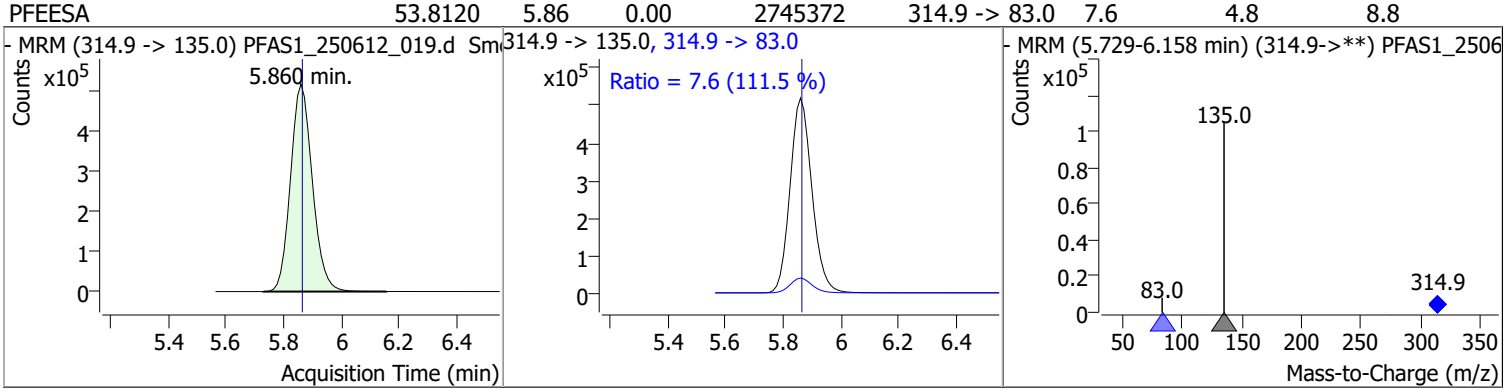
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9507	5.73	0.00	211275	287.0 -> 185.0	42.0	29.4	54.6



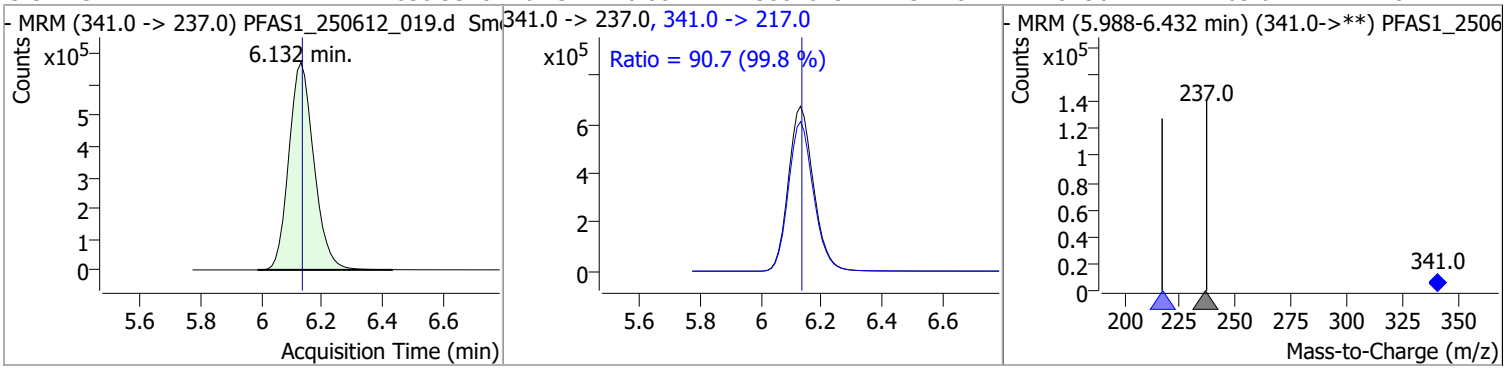
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	60.7990	5.74	0.00	1294536	285.0 -> 185.0	42.9	30.1	56.0



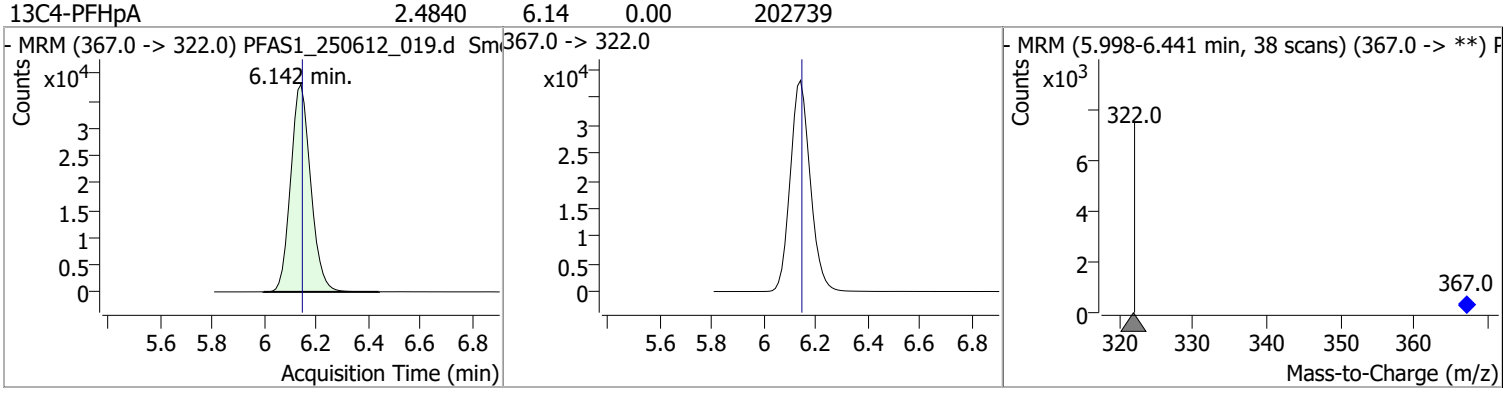
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	53.8120	5.86	0.00	2745372	314.9 -> 83.0	7.6	4.8	8.8



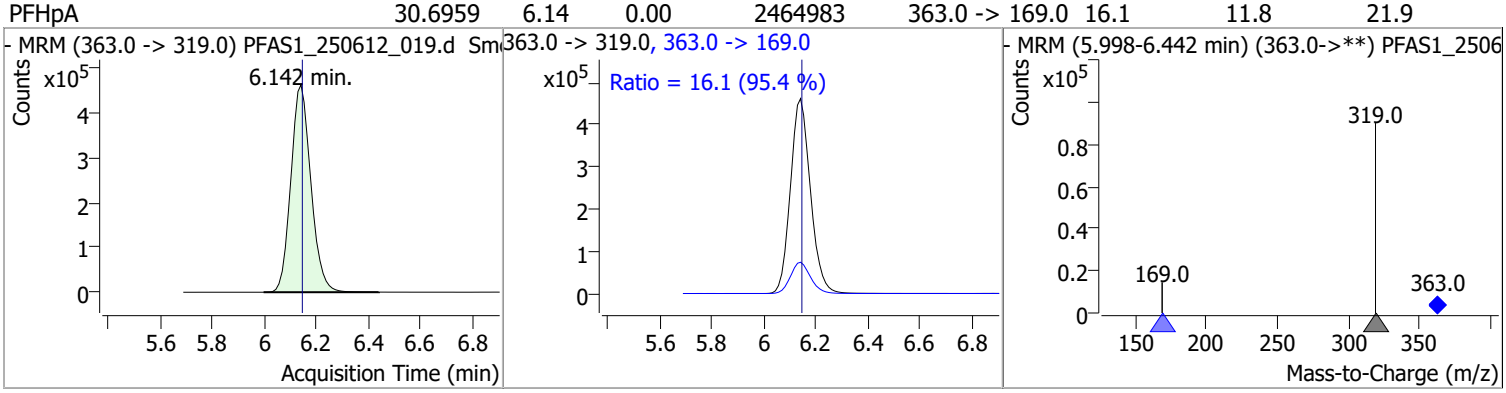
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	636.9318	6.13	0.00	3861623	341.0 -> 217.0	90.7	63.6	118.1



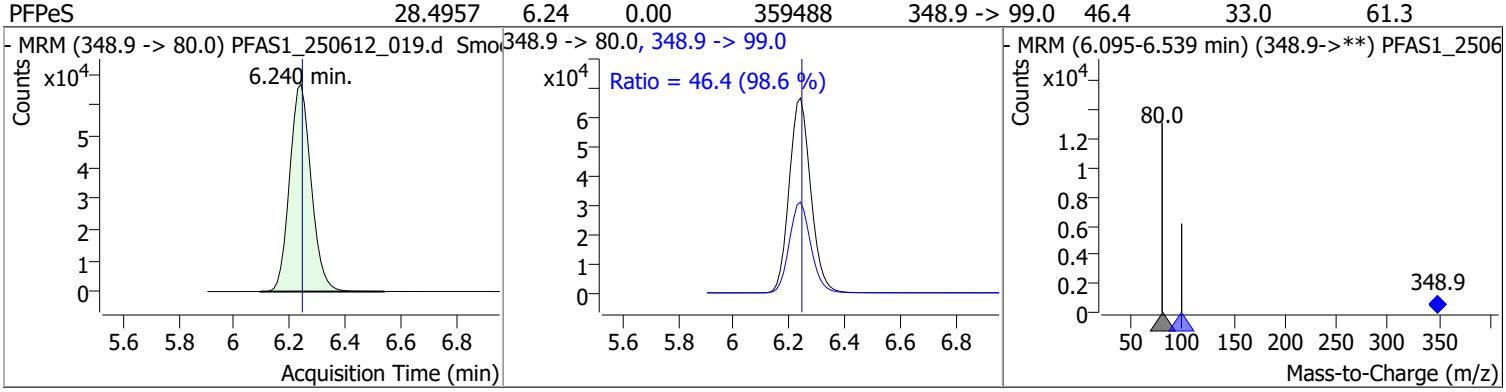
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4840	6.14	0.00	202739				



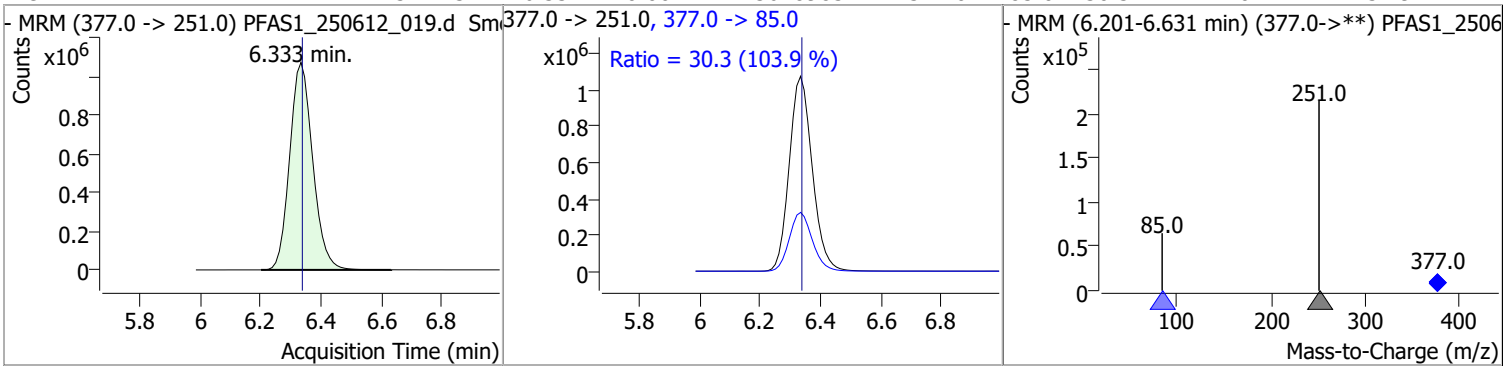
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	30.6959	6.14	0.00	2464983	363.0 -> 169.0	16.1	11.8	21.9



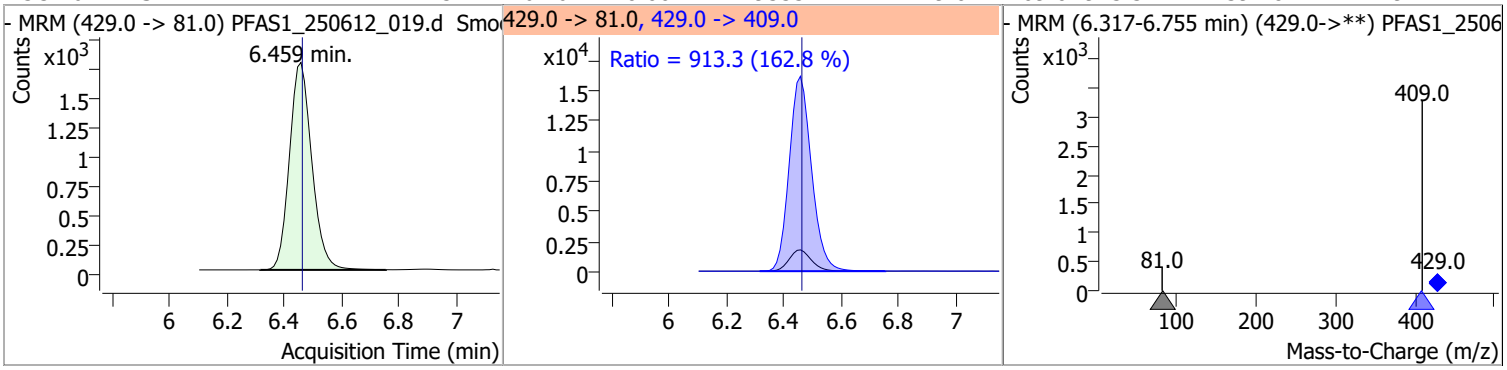
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	28.4957	6.24	0.00	359488	348.9 -> 99.0	46.4	33.0	61.3



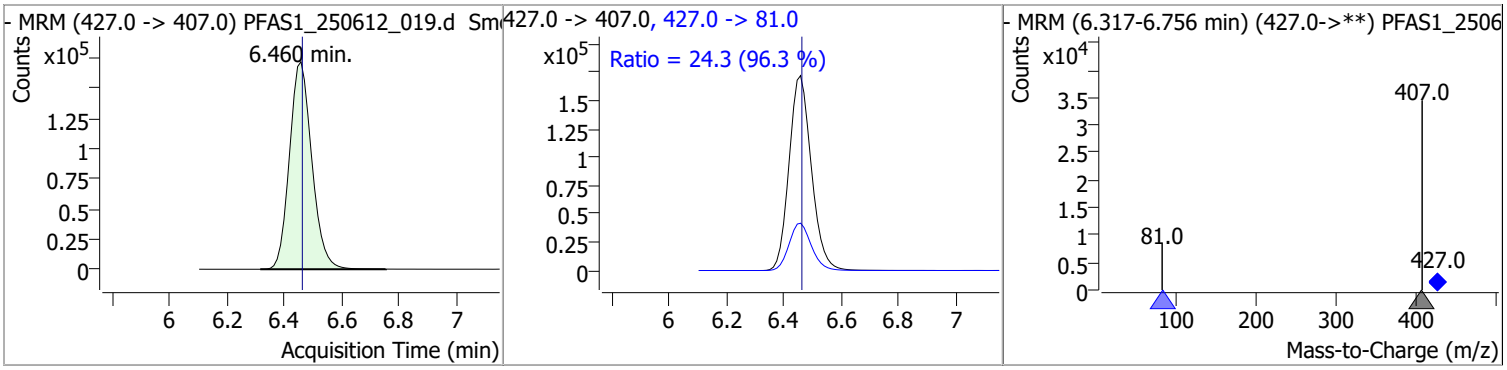
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	57.7132	6.33	0.00	5678983	377.0 -> 85.0	30.3	20.4	37.9



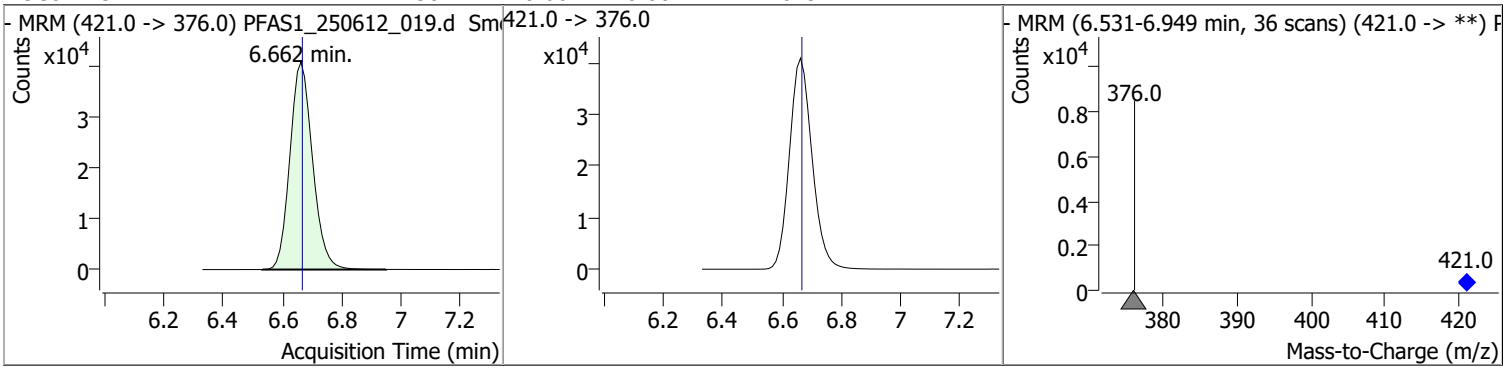
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.4154	6.46	0.00	9553	429.0 -> 409.0	913.3	392.8	729.4



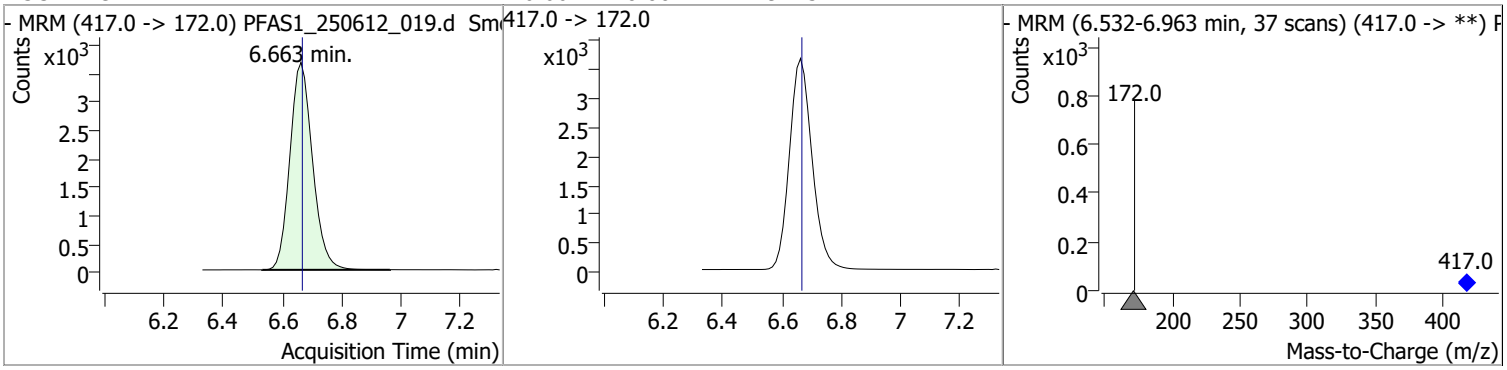
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	115.3473	6.46	0.00	930924	427.0 -> 81.0	24.3	17.7	32.8



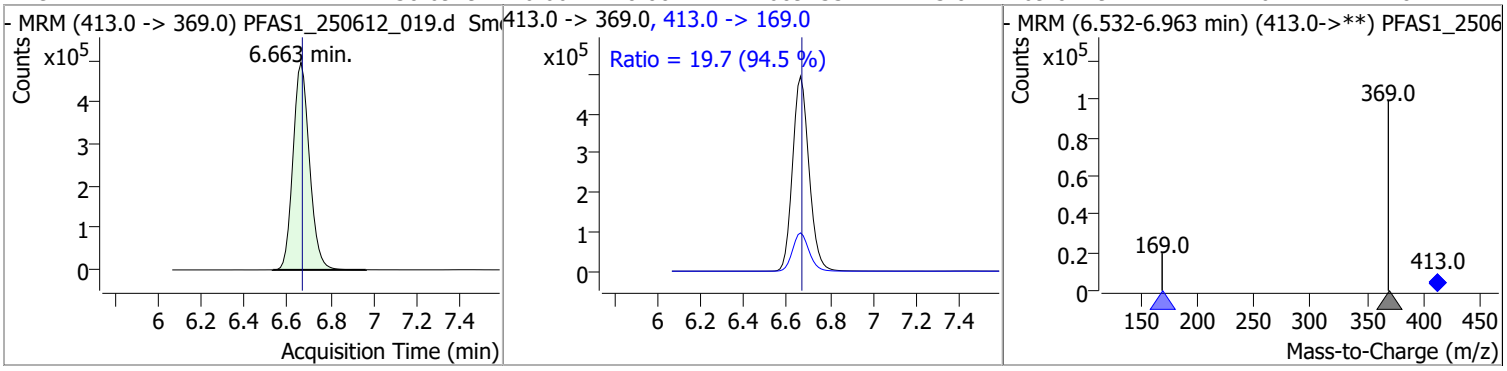
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5047	6.66	0.00	216194				



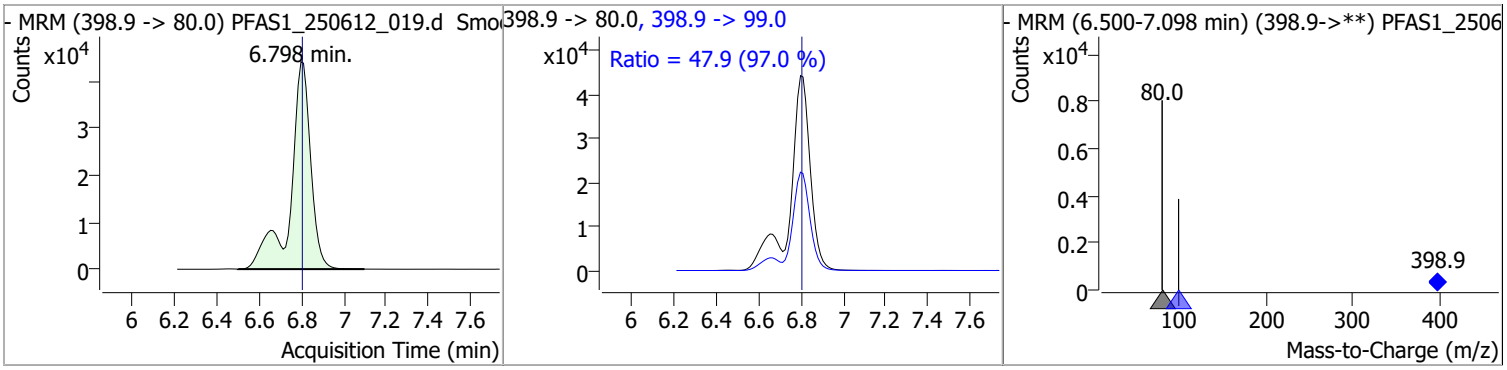
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	19275				



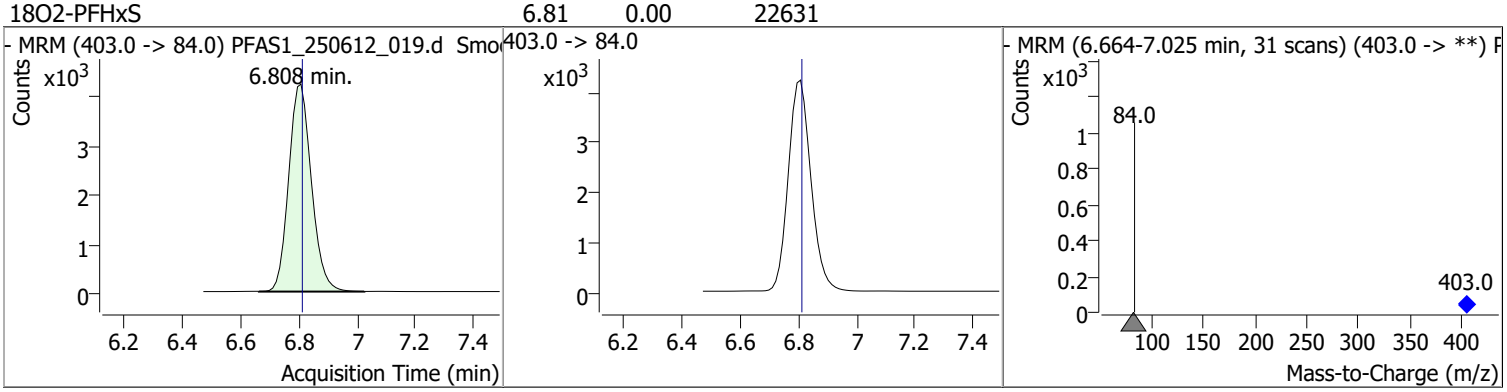
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	30.6979	6.66	0.00	2609733	413.0 -> 169.0	19.7	14.6	27.0



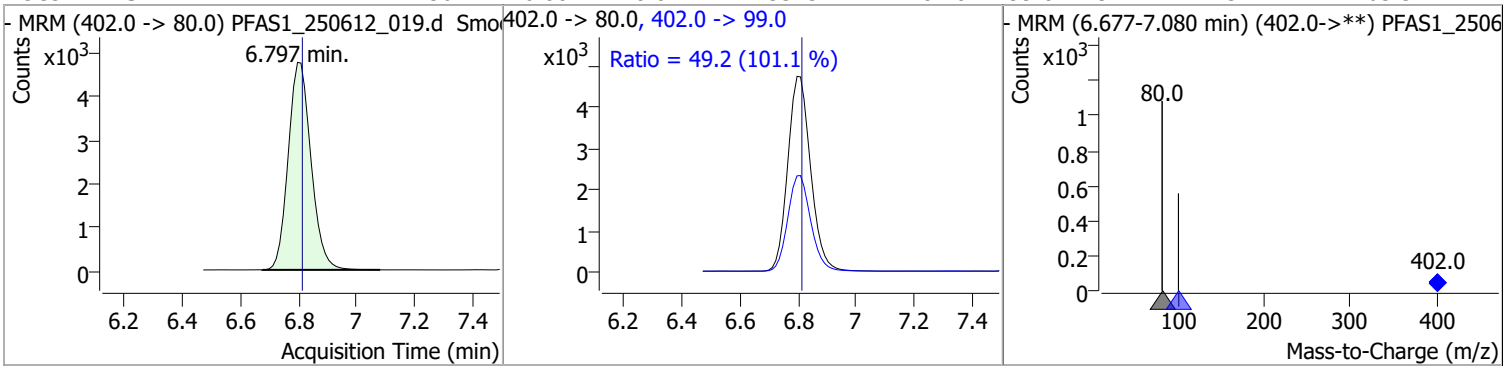
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	28.0825	6.80	0.00	293585	398.9 -> 99.0	47.9	34.6	64.2



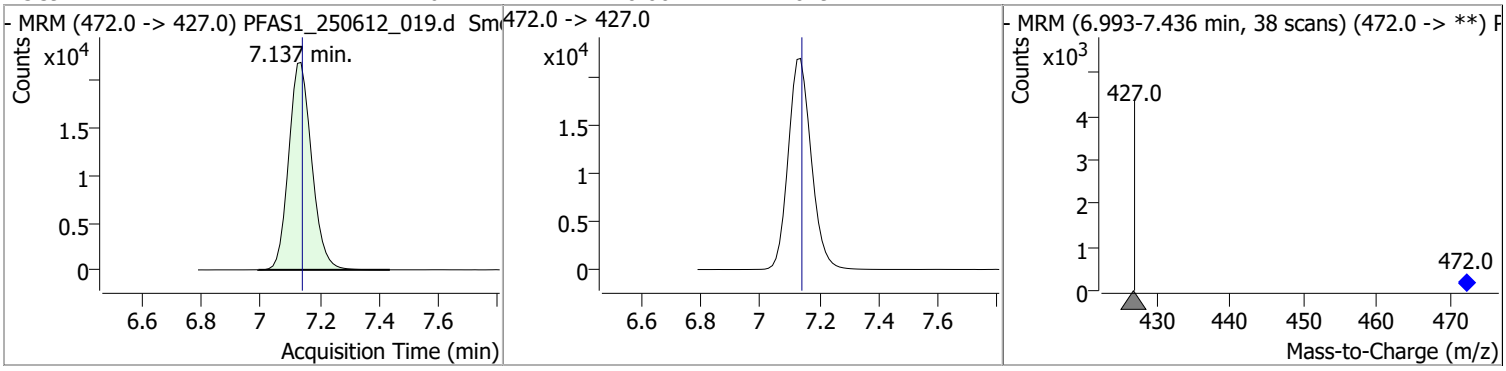
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	22631				



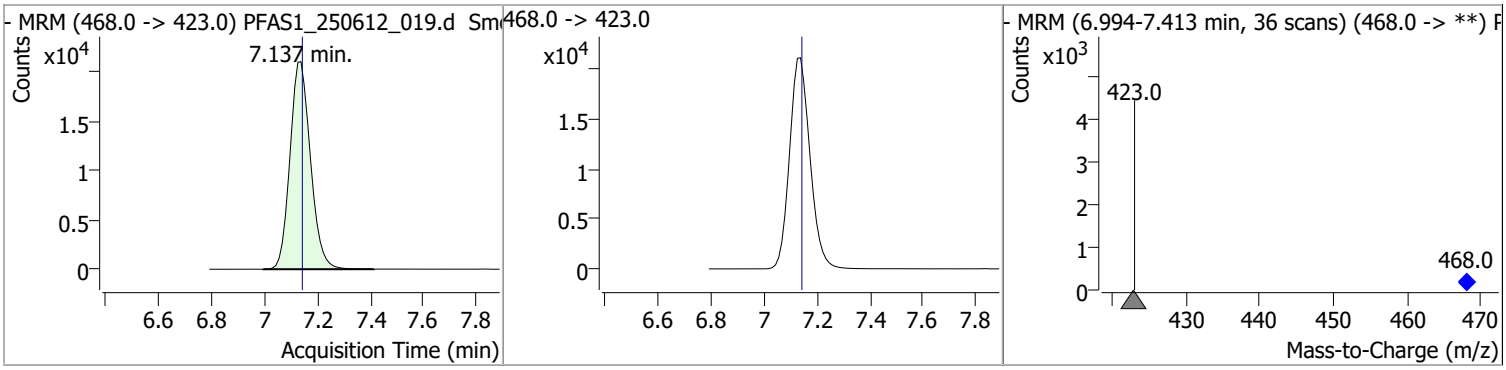
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4561	6.80	-0.01	25515	402.0 -> 99.0	49.2	34.1	63.3



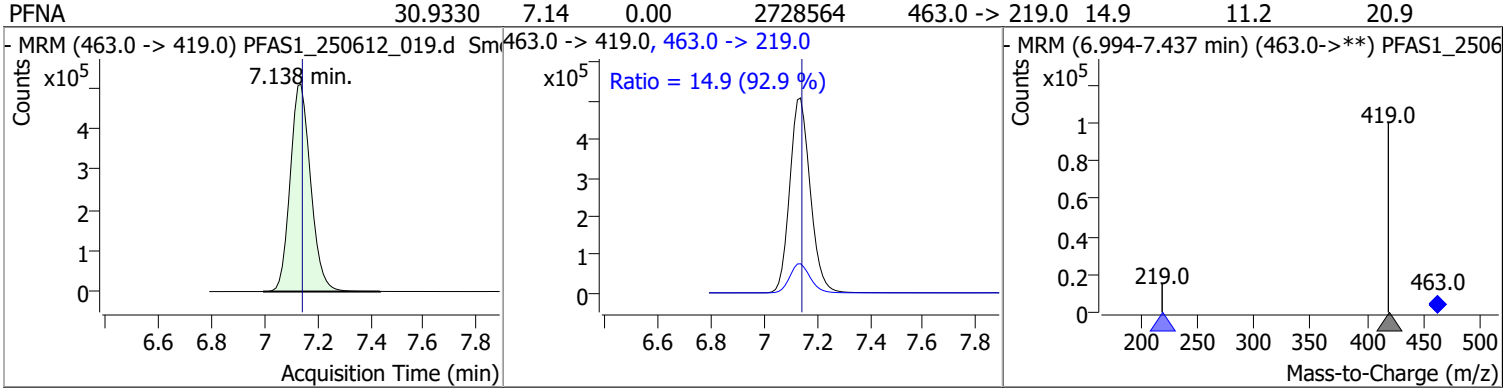
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2621	7.14	0.00	117029				



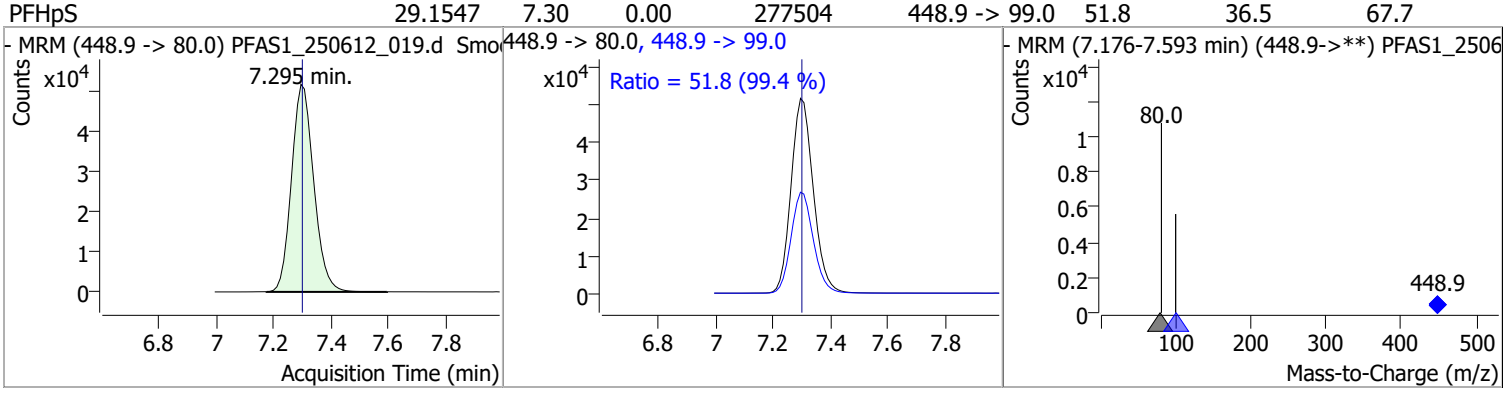
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.14	0.00	113083				



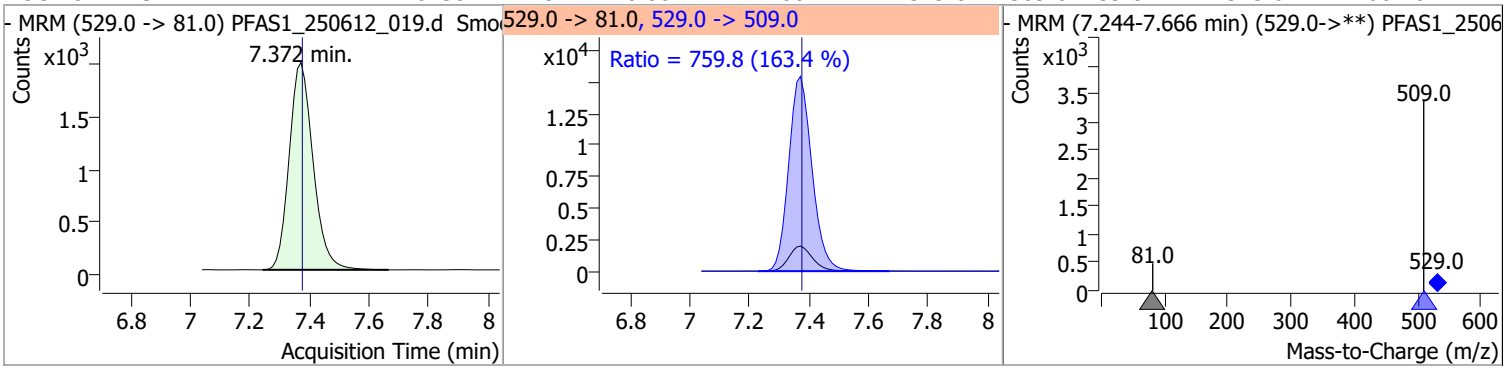
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	30.9330	7.14	0.00	2728564	463.0 -> 219.0	14.9	11.2	20.9



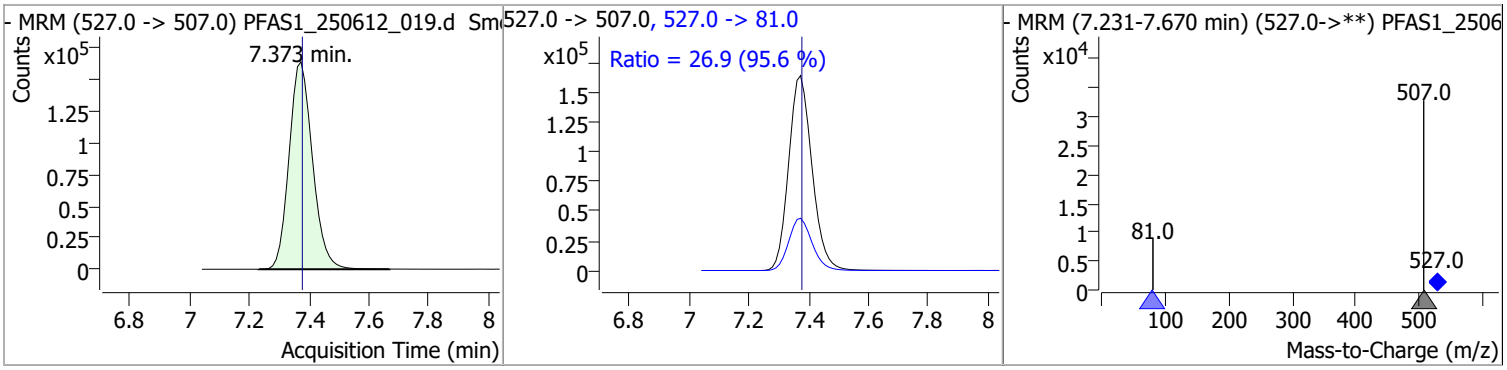
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	29.1547	7.30	0.00	277504	448.9 -> 99.0	51.8	36.5	67.7



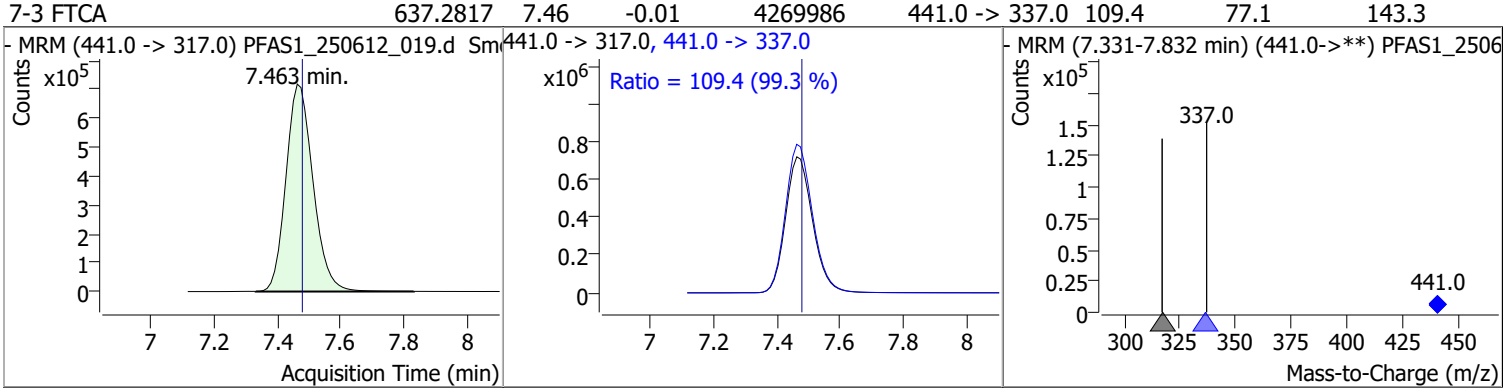
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.6438	7.37	0.00	11001	529.0 -> 509.0	759.8	325.6	604.6



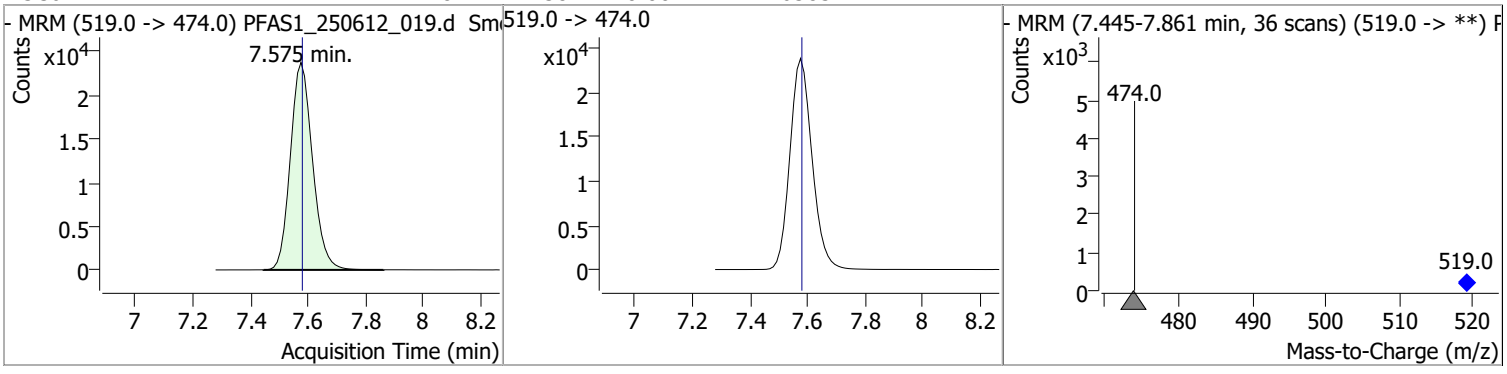
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	114.1738	7.37	0.00	892539	527.0 -> 81.0	26.9	19.7	36.6



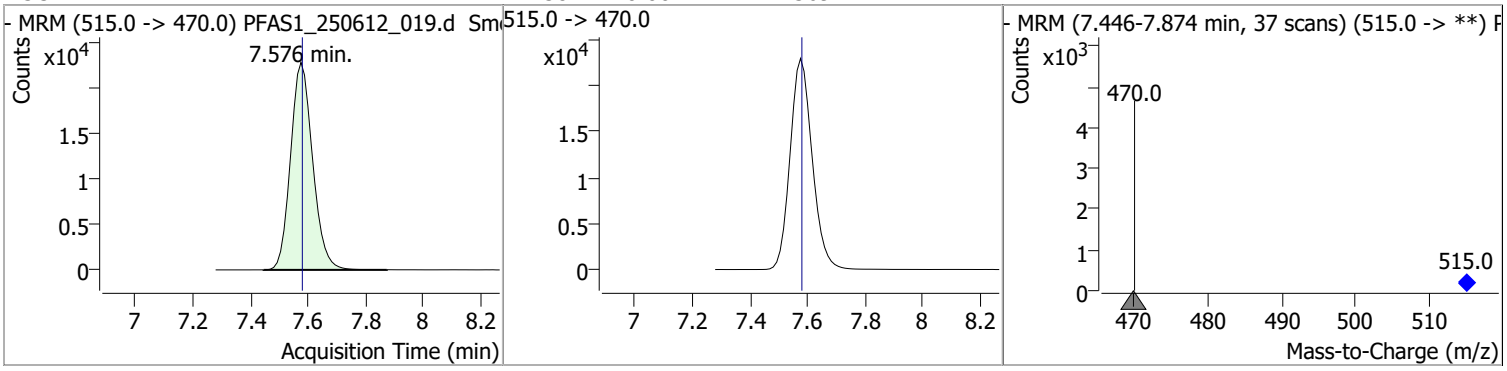
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	637.2817	7.46	-0.01	4269986	441.0 -> 337.0	109.4	77.1	143.3



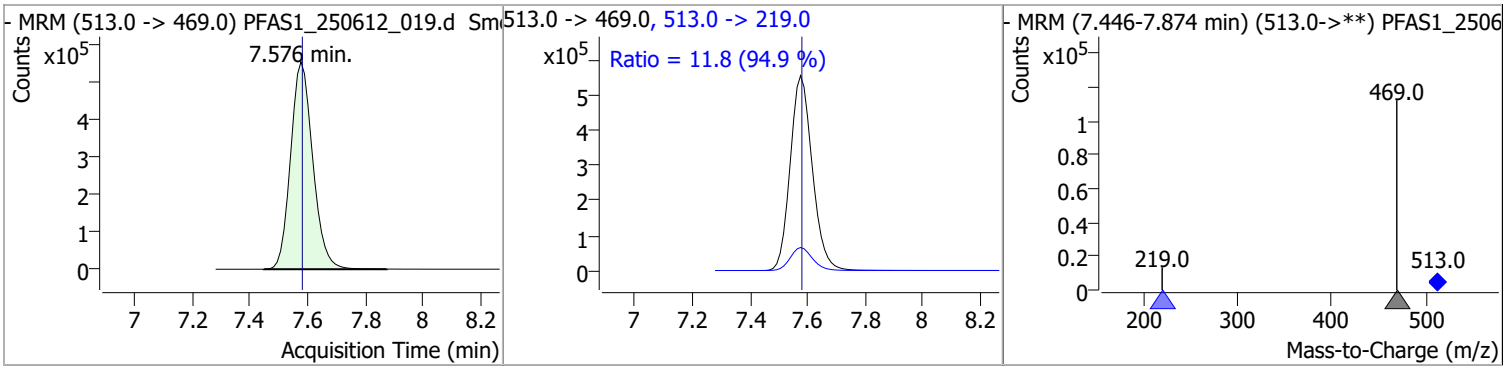
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2282	7.58	0.00	126585				



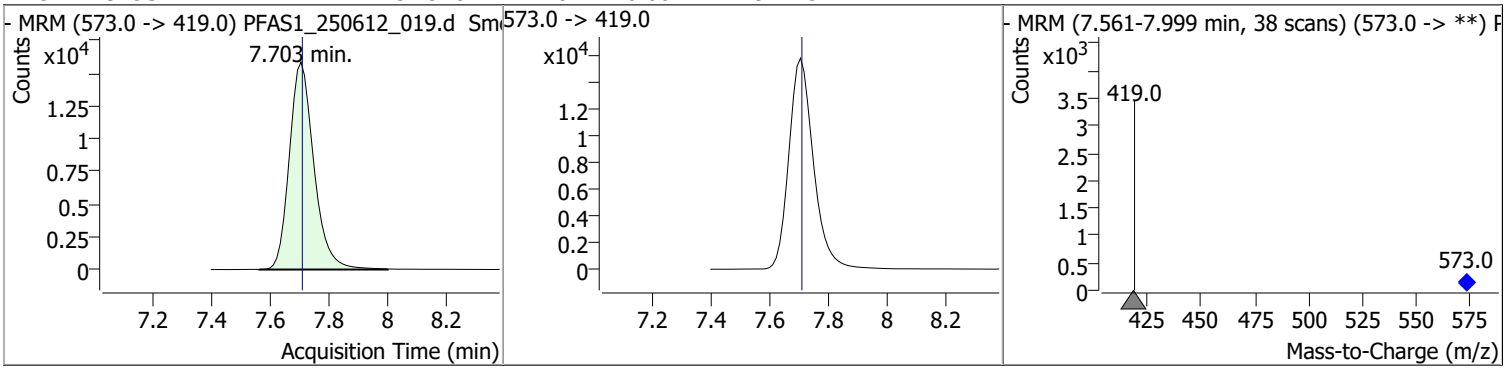
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	121369				



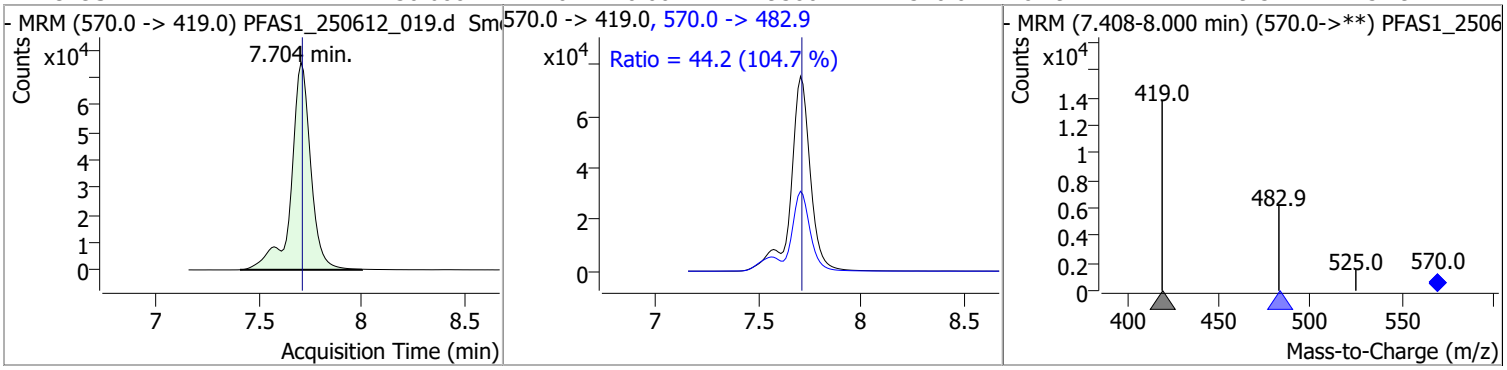
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	30.4356	7.58	0.00	2953024	513.0 -> 219.0	11.8	8.7	16.2



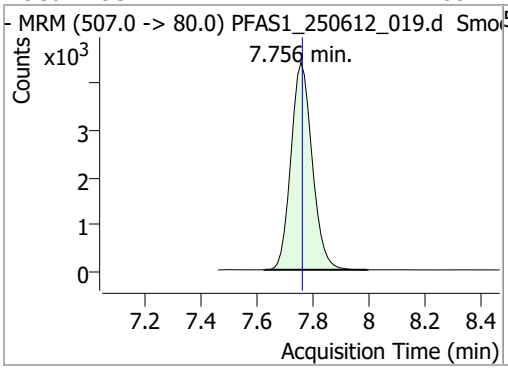
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1948	7.70	0.00	91775				

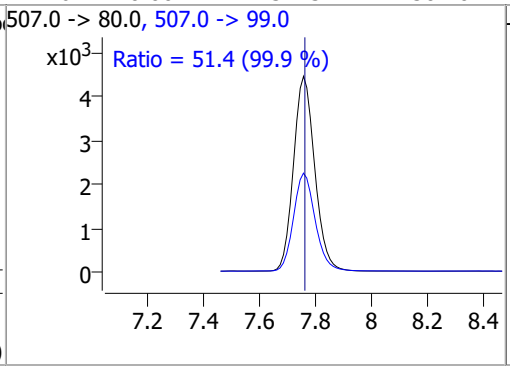


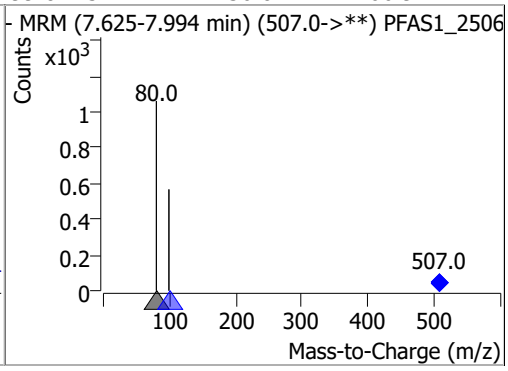
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	30.6882	7.70	0.00	495807	570.0 -> 482.9	44.2	29.5	54.9



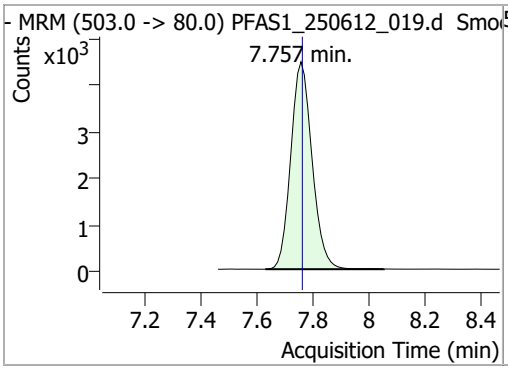
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4788	7.76	0.00	23243	507.0 -> 99.0	51.4	36.0	66.9

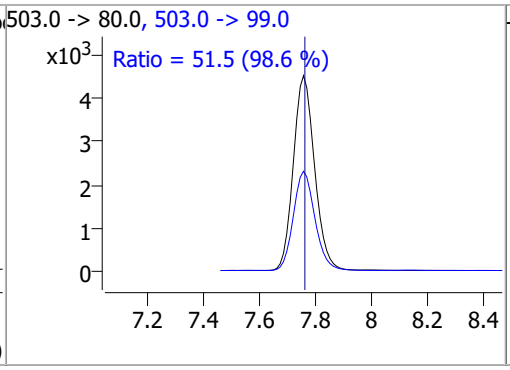


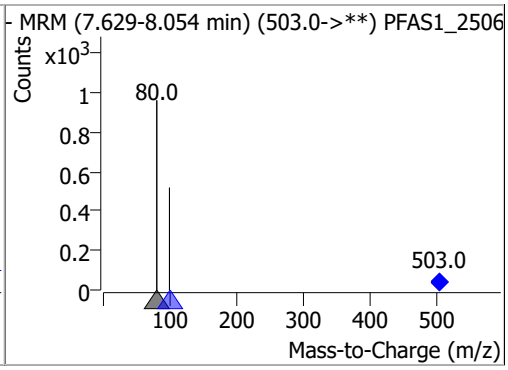




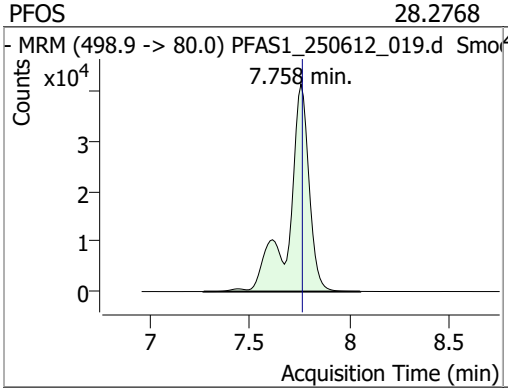
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	23661	503.0 -> 99.0	51.5	36.6	67.9

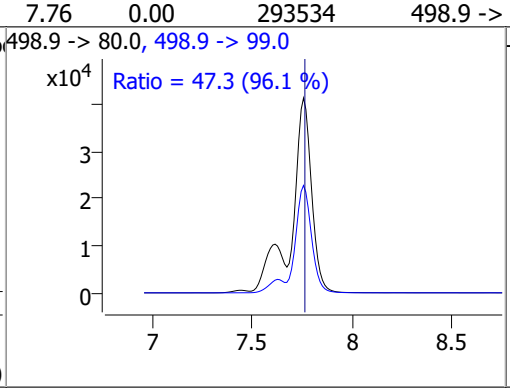


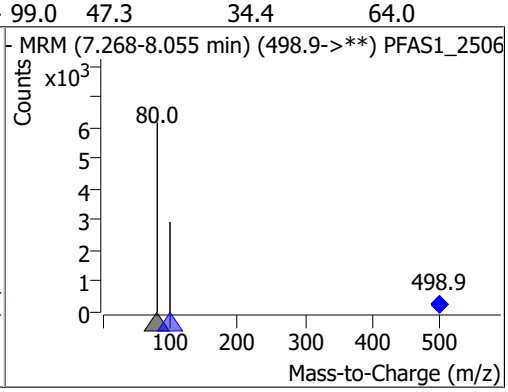




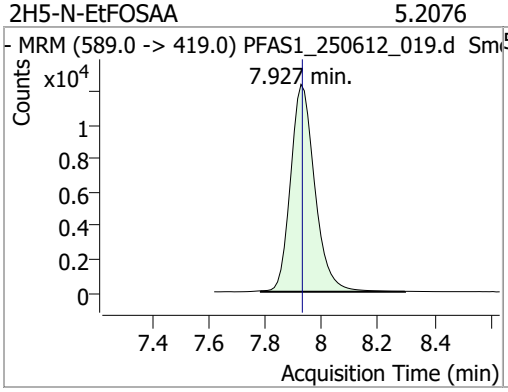
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	28.2768	7.76	0.00	293534	498.9 -> 99.0	47.3	34.4	64.0

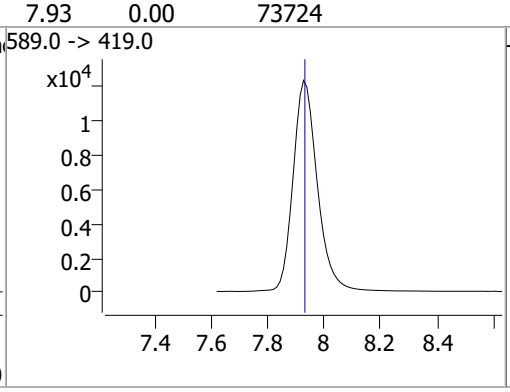


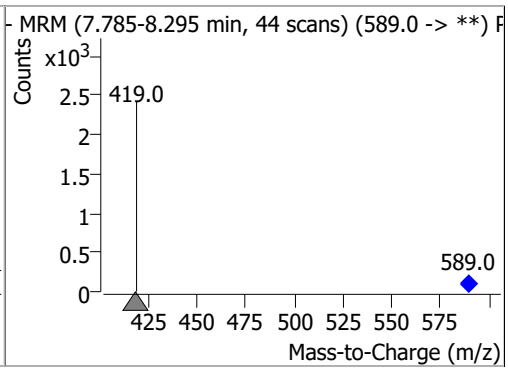




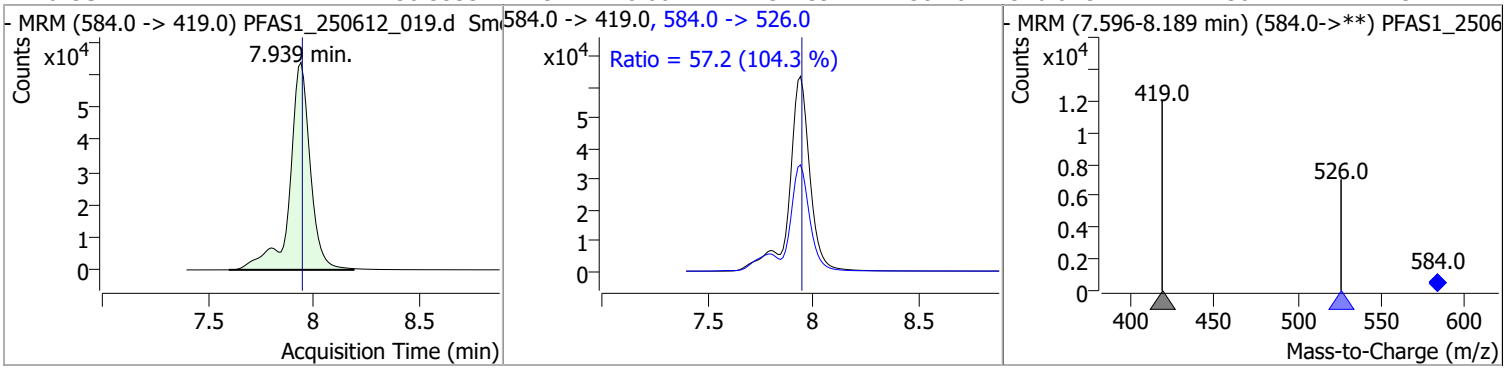
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2076	7.93	0.00	73724				



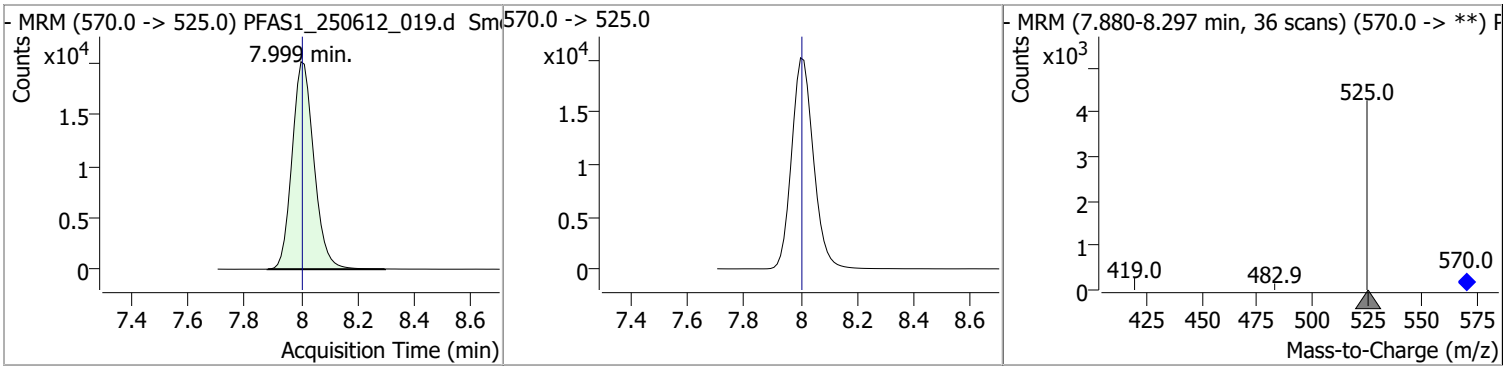




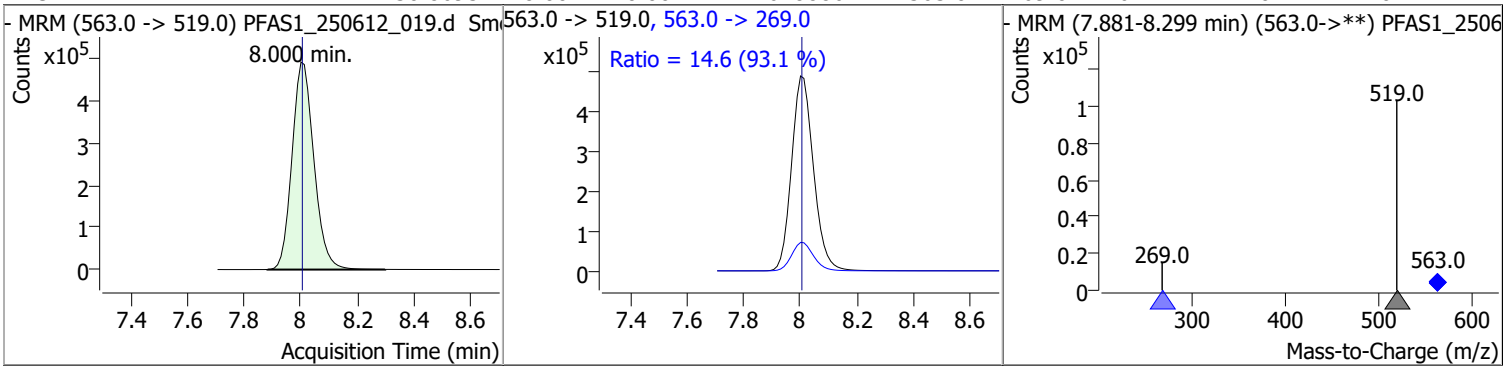
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	30.3553	7.94	0.00	432239	584.0 -> 526.0	57.2	38.4	71.3



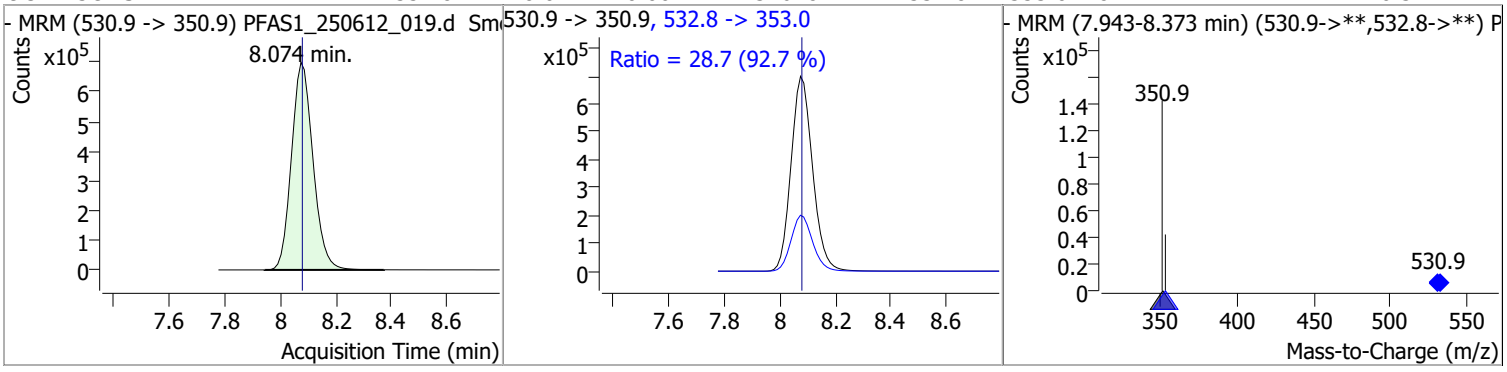
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2103	8.00	0.00	108309				



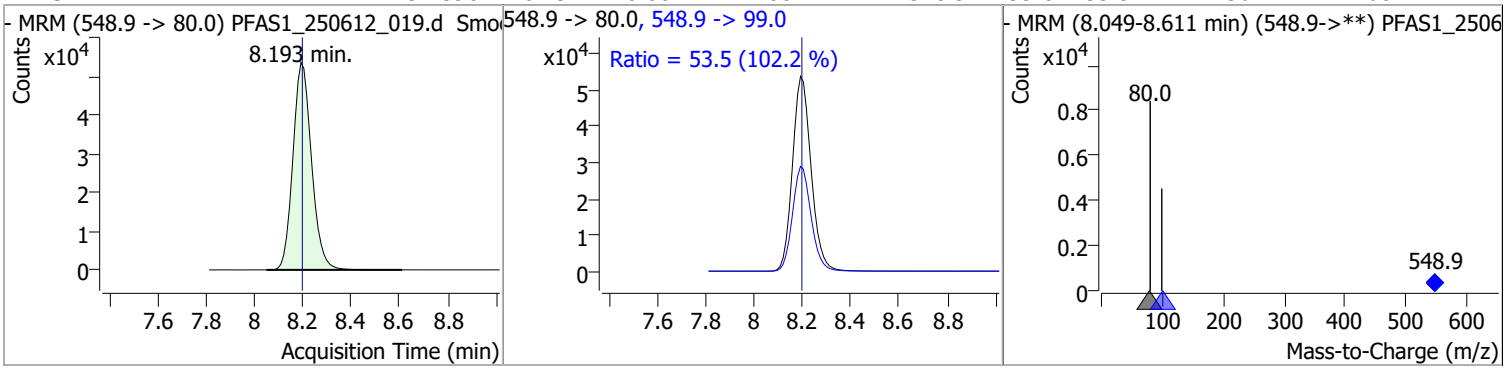
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	30.8695	8.00	0.00	2648886	563.0 -> 269.0	14.6	11.0	20.4



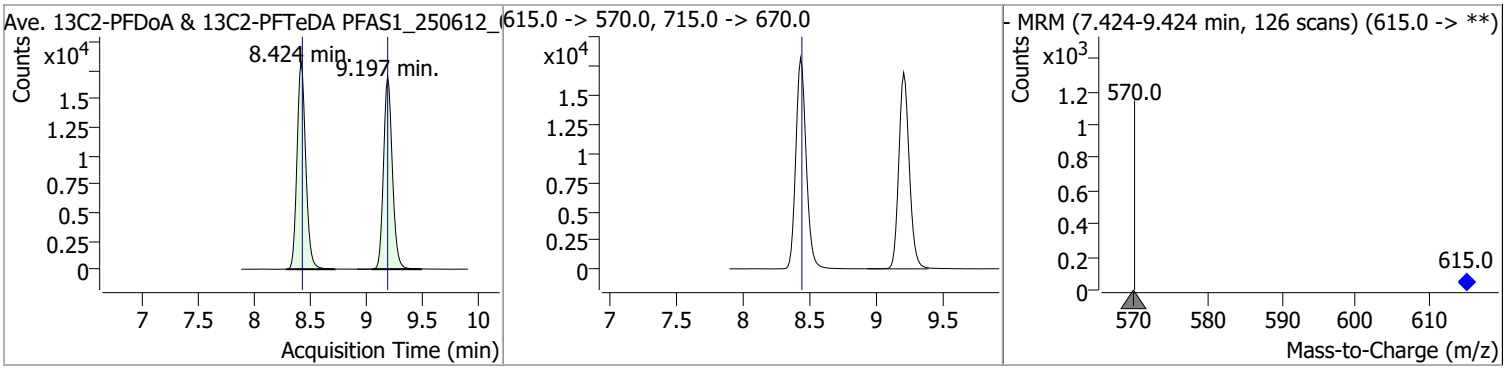
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	55.1877	8.07	0.00	3762842	532.8 -> 353.0	28.7	21.7	40.3



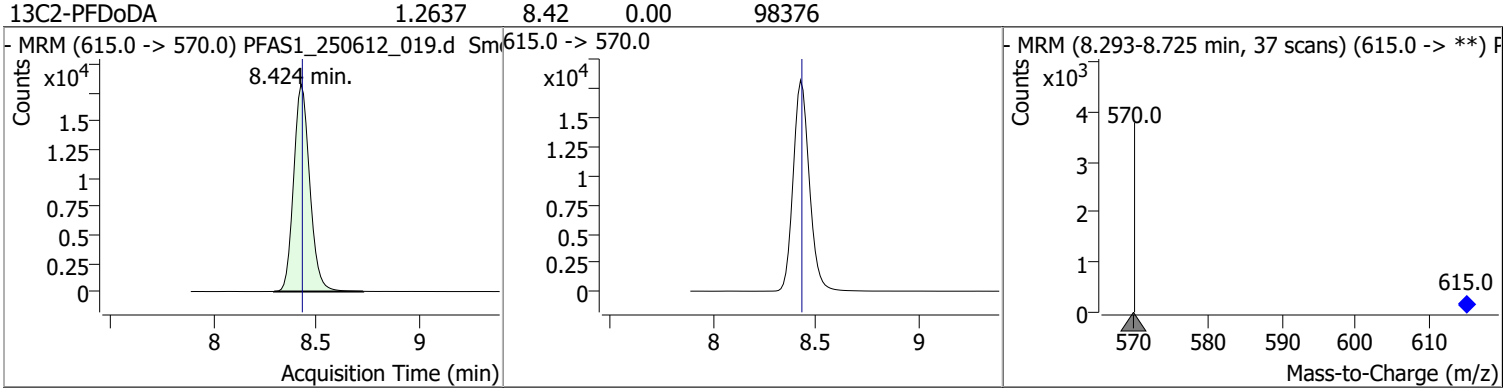
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	29.4390	8.19	0.00	288214	548.9 -> 99.0	53.5	36.7	68.1



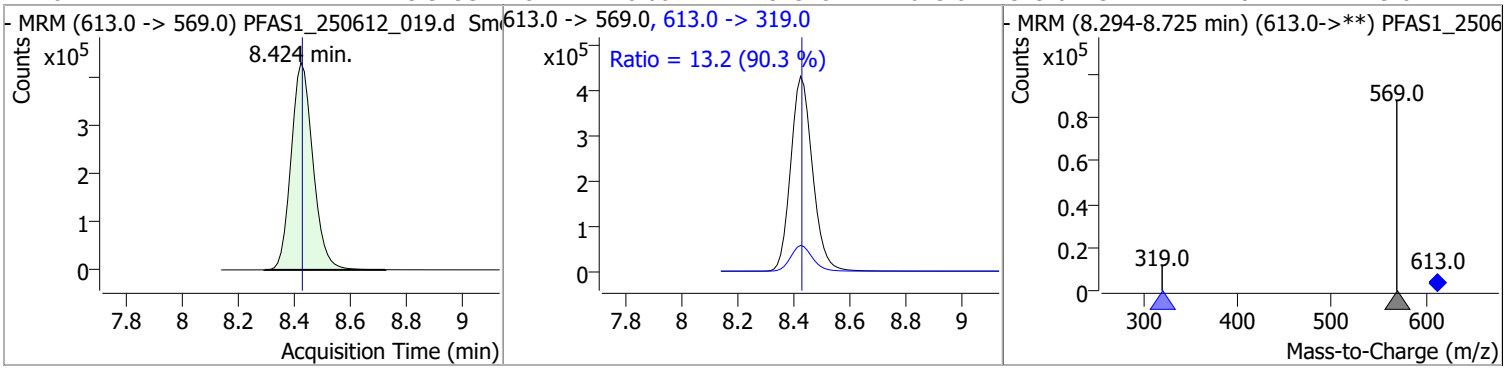
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2424	8.81	0.39	95520				



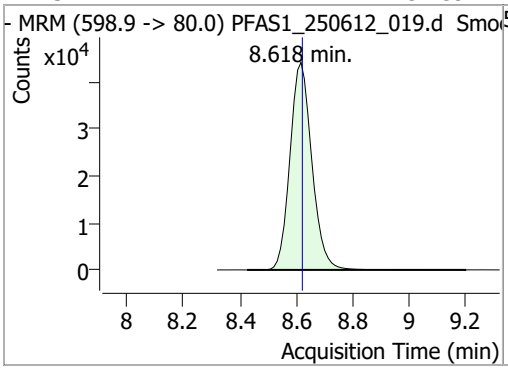
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2637	8.42	0.00	98376				

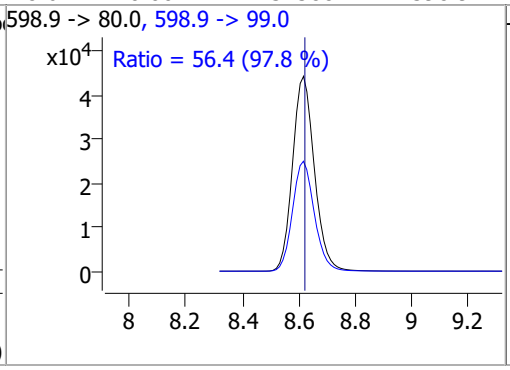


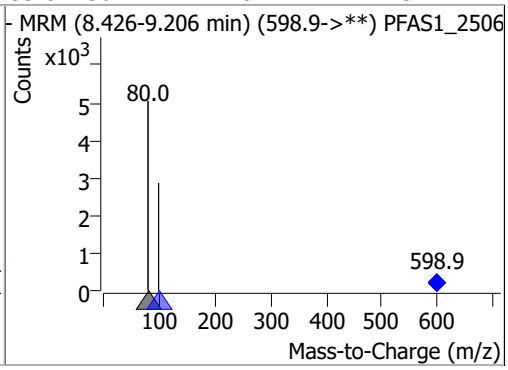
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	29.9195	8.42	0.00	2315787	613.0 -> 319.0	13.2	10.2	19.0



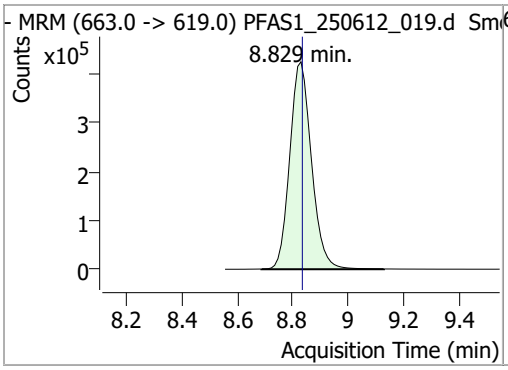
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	29.4394	8.62	0.00	237588	598.9 -> 99.0	56.4	40.4	74.9

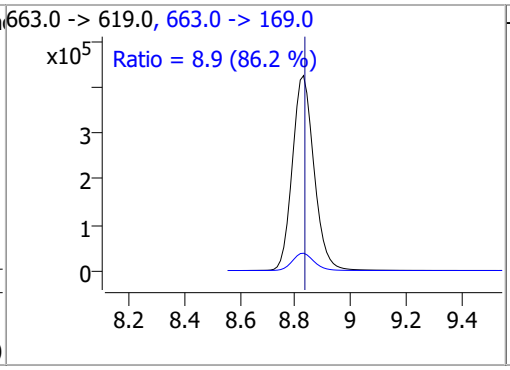


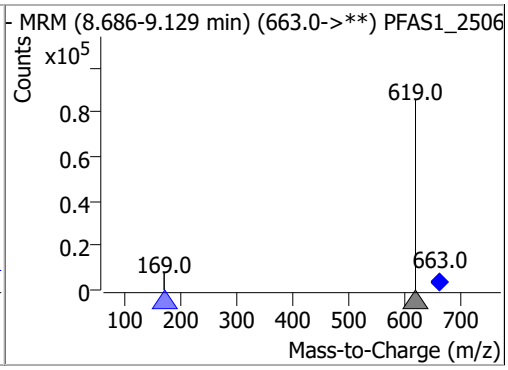




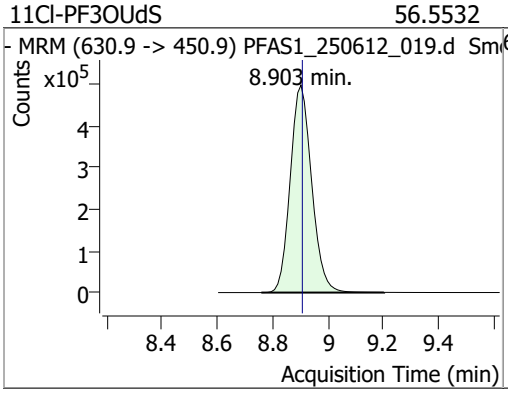
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	30.4812	8.83	0.00	2313461	663.0 -> 169.0	8.9	7.2	13.4

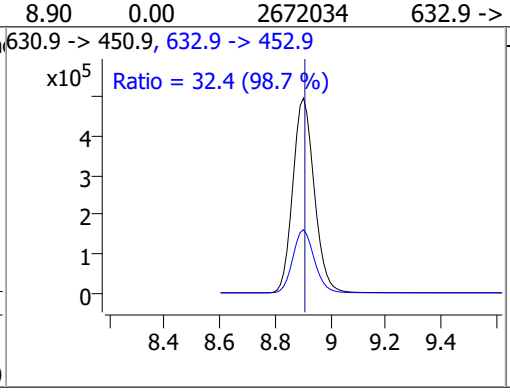


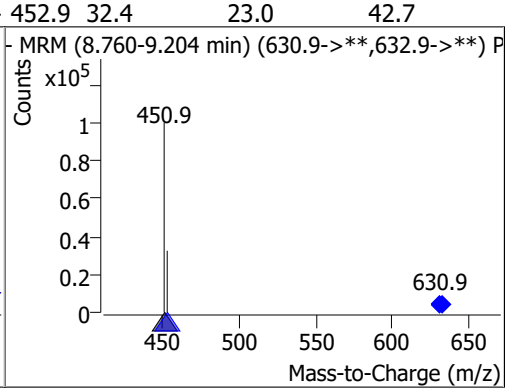




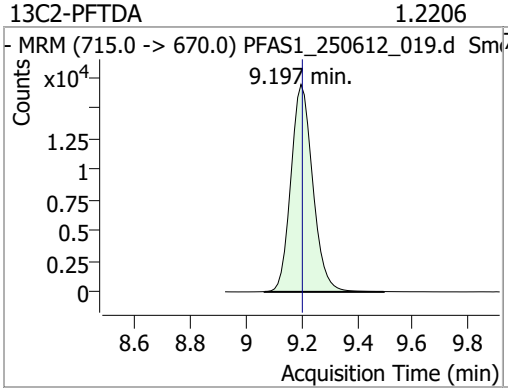
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	56.5532	8.90	0.00	2672034	632.9 -> 452.9	32.4	23.0	42.7

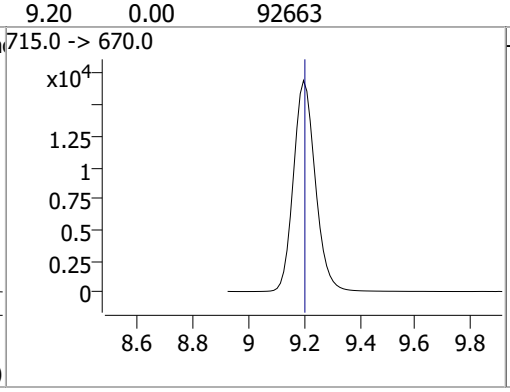


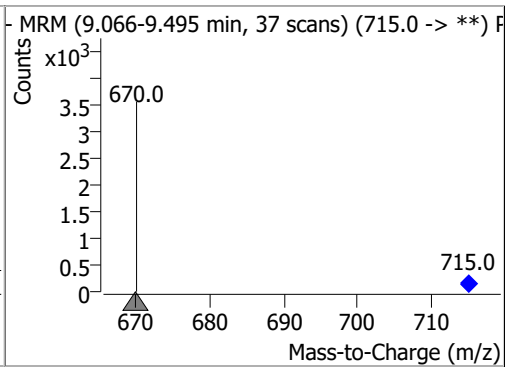




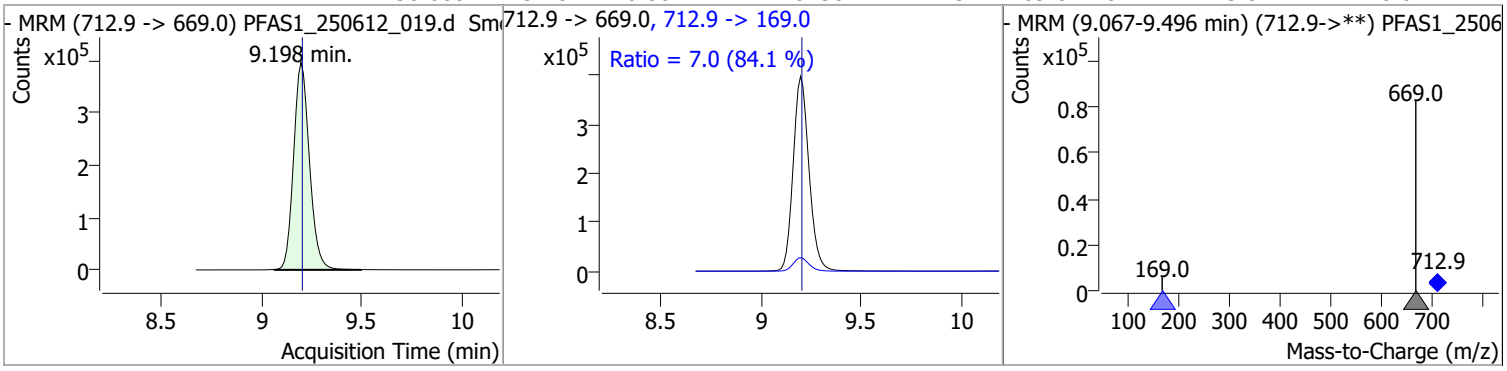
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2206	9.20	0.00	92663				



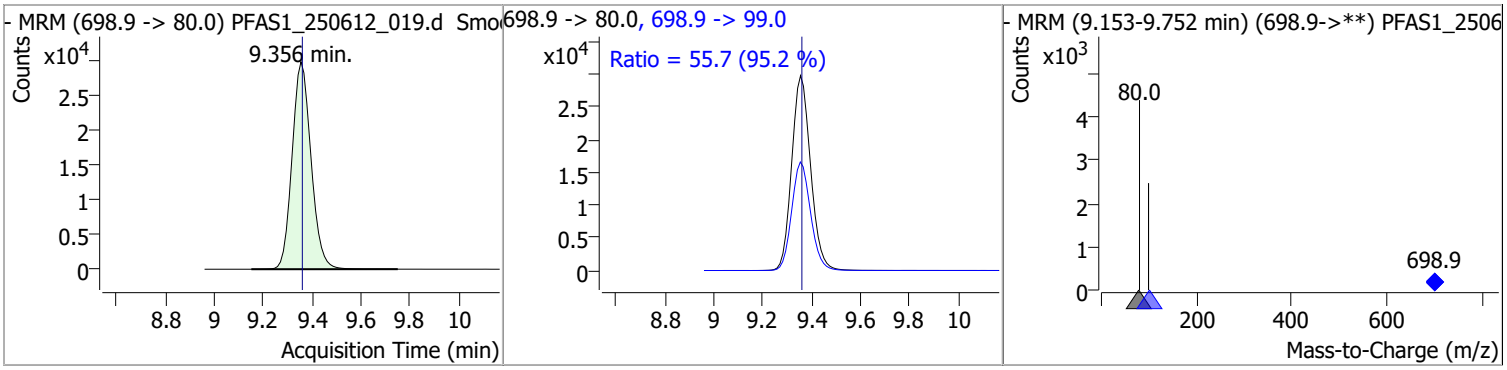




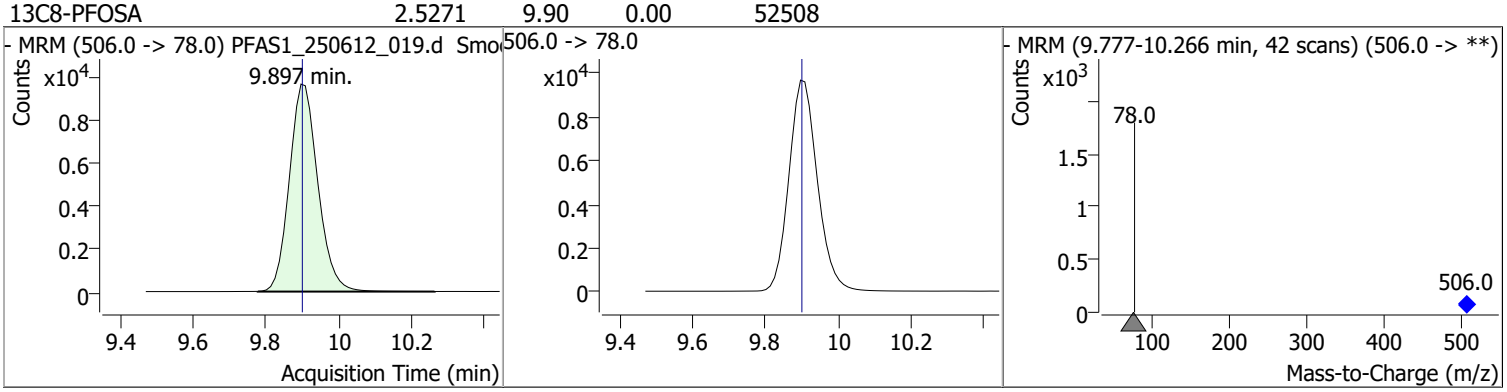
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	30.6054	9.20	0.00	2178130	712.9 -> 169.0	7.0	5.8	10.8



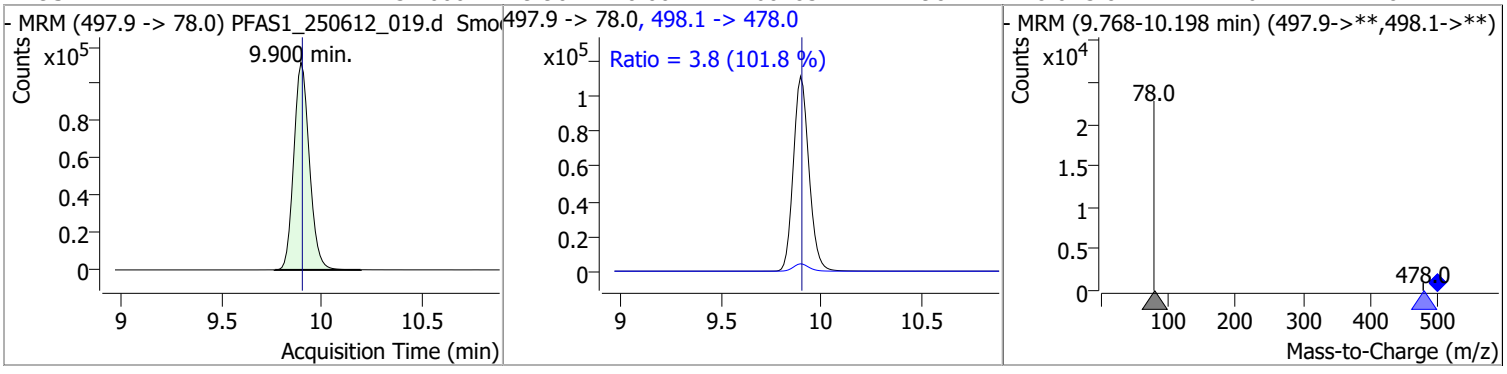
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	29.9097	9.36	0.00	158841	698.9 -> 99.0	55.7	41.0	76.1



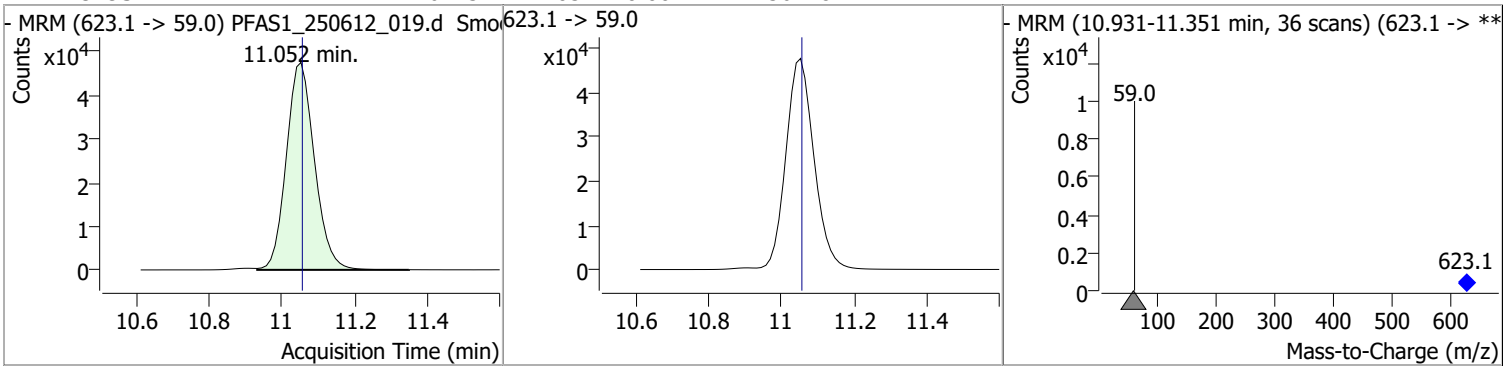
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5271	9.90	0.00	52508				



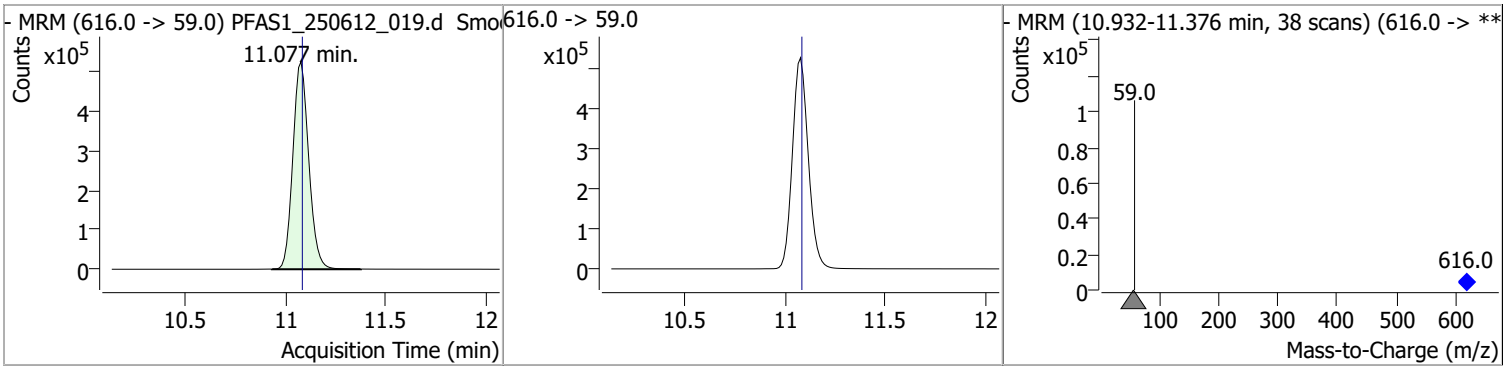
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	31.0002	9.90	0.00	602837	498.1 -> 478.0	3.8	2.6	4.8



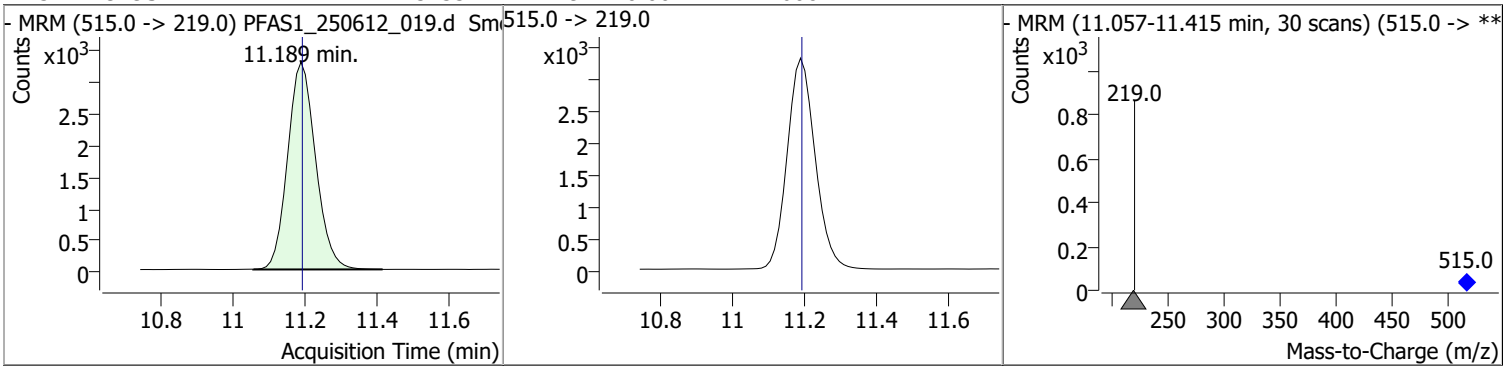
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.6113	11.05	0.00	256218				



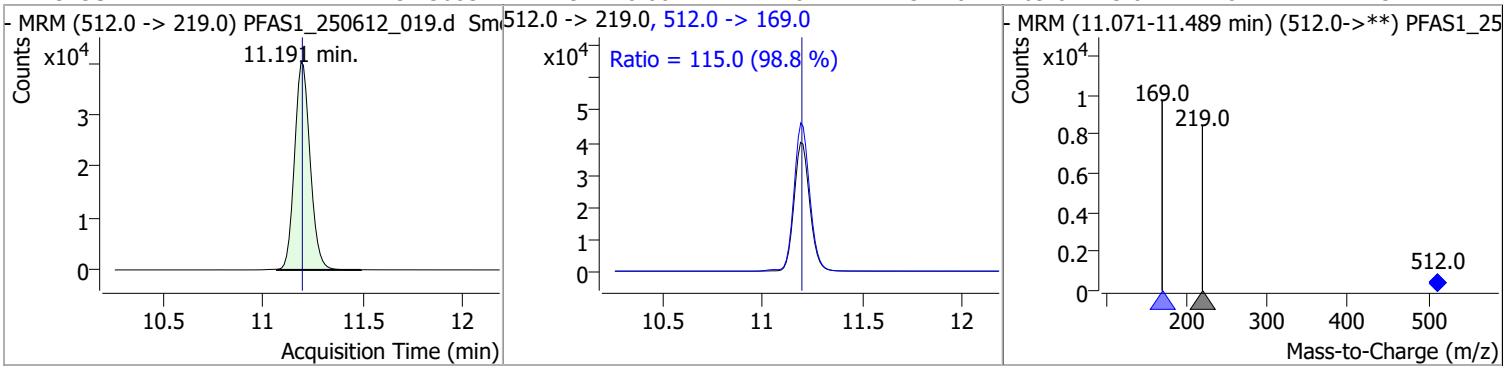
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	295.2119	11.08	0.00	2894905				



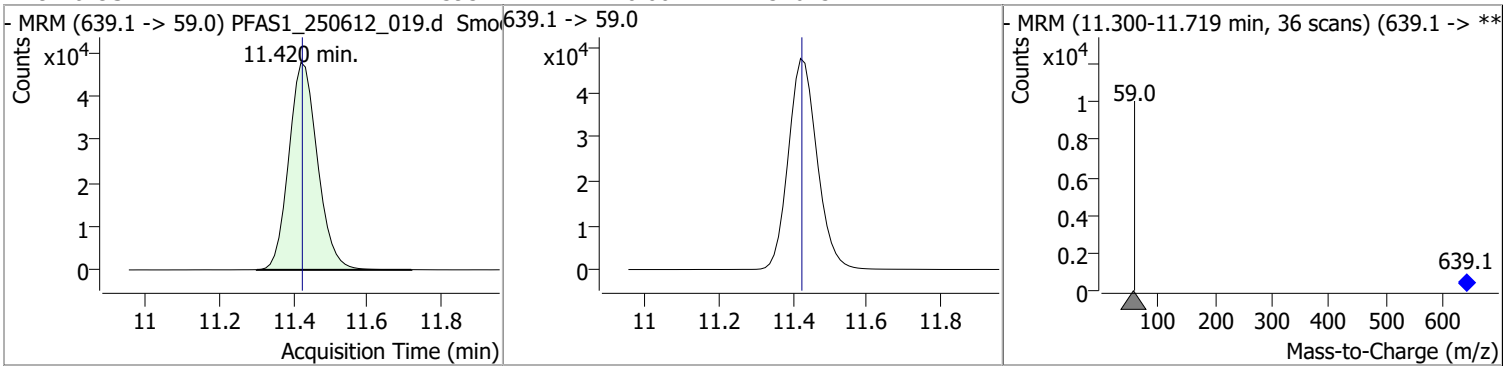
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.5233	11.19	0.00	17608				



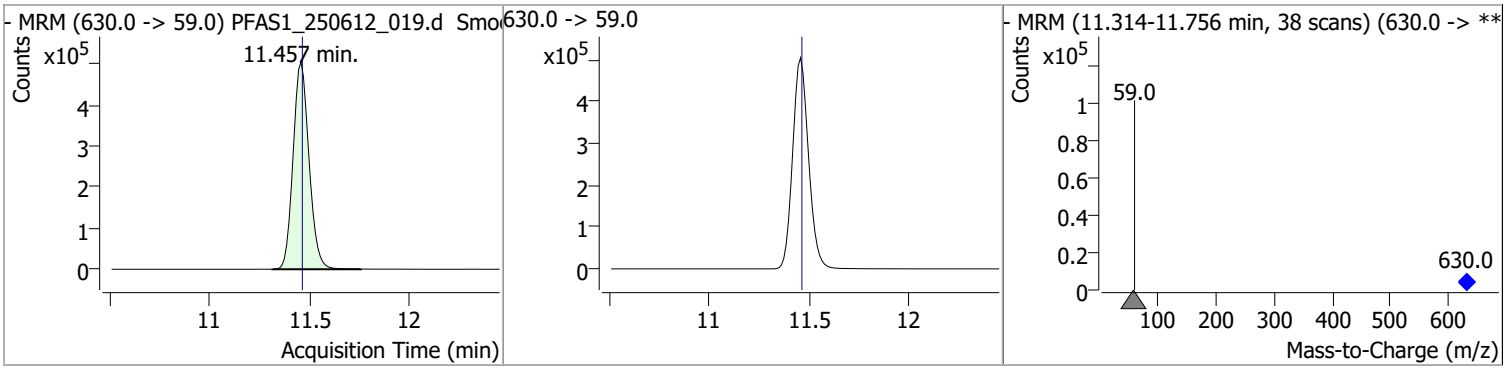
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	31.3685	11.19	0.00	217077	512.0 -> 169.0	115.0	81.4	151.2



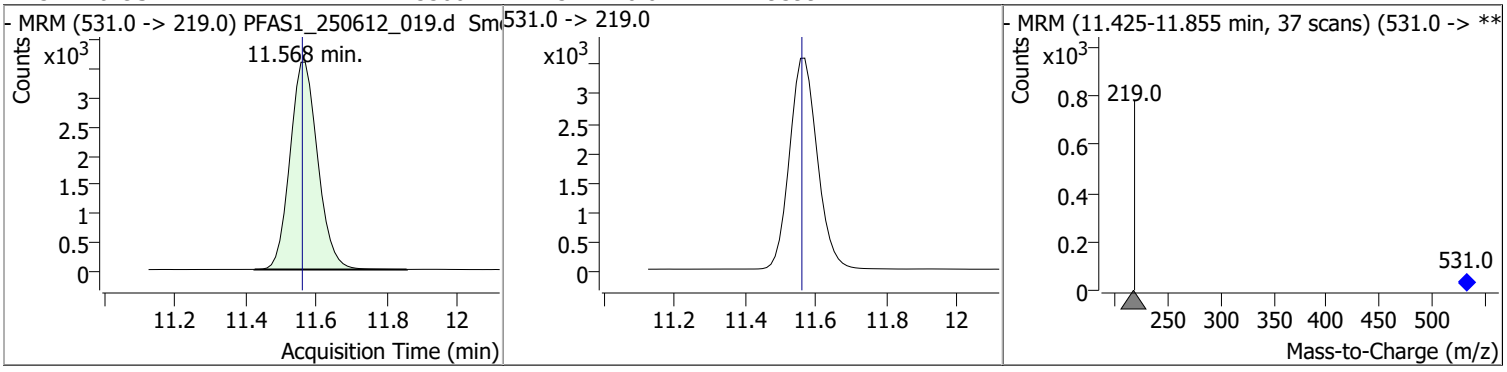
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.7395	11.42	0.00	257645				



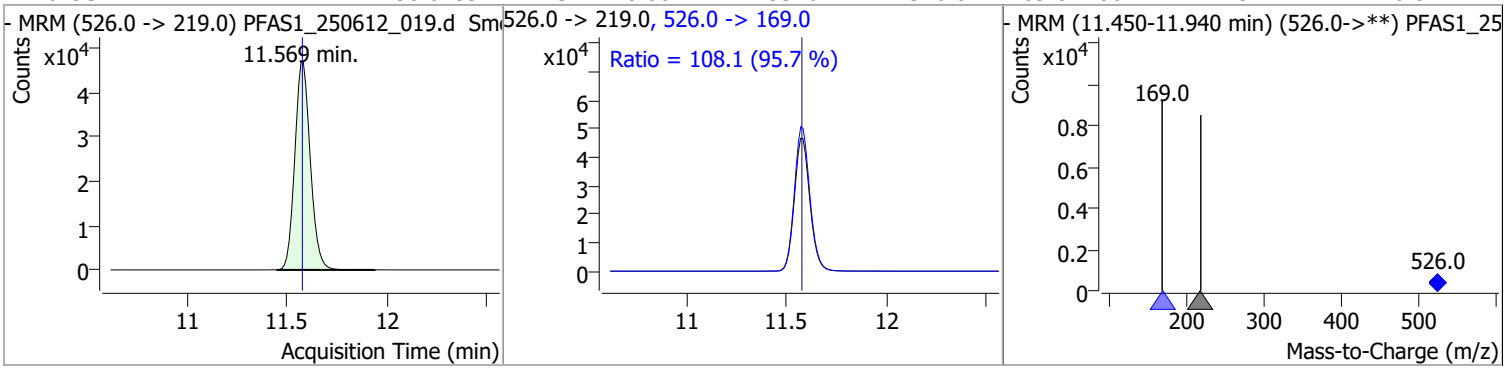
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	291.0072	11.46	0.00	2783084				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5300	11.57	0.01	19399				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	30.8259	11.57	0.00	253461	526.0 -> 169.0	108.1	79.1	146.8



Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_020.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 5:48:18 PM
Sample Name	SEQ-CAL9	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

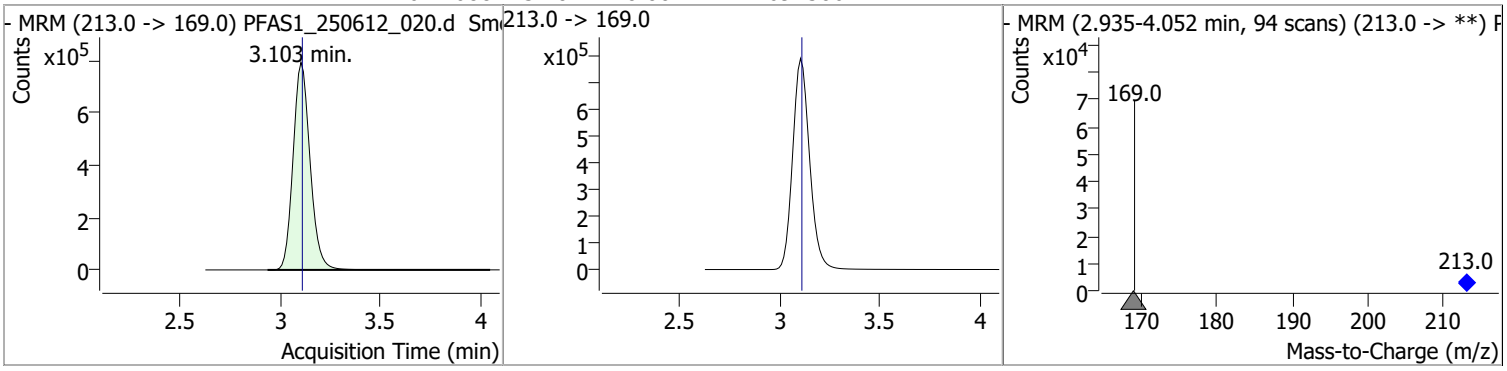
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
13C3-PFBA	3.099	216.0 -> 172.0	134979	5.0000	µg/L		-14.666
13C2-PFHxA	5.479	315.0 -> 270.0	162368	2.5000	µg/L		-9.127
18O2-PFHxS	6.808	403.0 -> 84.0	21863	2.5000	µg/L		-6.969
13C4-PFOA	6.663	417.0 -> 172.0	18580	2.5000	µg/L		-7.998
13C5-PFNA	7.125	468.0 -> 423.0	113530	1.2500	µg/L		-5.137
13C2-PFDA	7.576	515.0 -> 470.0	117214	1.2500	µg/L		-6.327
13C4-PFOS	7.757	503.0 -> 80.0	23048	2.5000	µg/L		-7.681
System Monitoring Compounds							
13C4-PFBA	3.095	217.0 -> 172.0	314506	10.0000	µg/L		-13.832
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.92%			
13C4-PFBA	3.095	217.0 -> 172.0	314506	10.0000	µg/L		-13.832
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.92%			
13C5-PFPeA	4.594	268.0 -> 223.0	243113	5.0000	µg/L		-9.880
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.21%			
13C5-PFPeA	4.594	268.0 -> 223.0	243113	5.0000	µg/L		-9.880
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.21%			
13C2-4-2 FTSA	5.250	329.0 -> 81.0	12562	5.0000	µg/L	#	-22.044
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 84.23%			
13C5-PFHxA	5.490	318.0 -> 273.0	170862	2.5000	µg/L		-7.140
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.17%			
13C5-PFHxA	5.490	318.0 -> 273.0	170862	2.5000	µg/L		-7.140
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.17%			
13C3-PFBS	5.505	302.0 -> 80.0	36461	2.5000	µg/L		-14.464
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 92.13%			
13C3-HFPO-DA	5.735	287.0 -> 169.0	203476	10.0000	µg/L		-8.291
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.89%			
13C4-PFHpA	6.142	367.0 -> 322.0	197593	2.5000	µg/L		-7.320
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.94%			
13C3-PFHxS	6.797	402.0 -> 80.0	24417	2.5000	µg/L		-9.506
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.32%			
13C2-6-2 FTSA	6.459	429.0 -> 81.0	9113	5.0000	µg/L	#	-19.194
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 87.19%			
13C8-PFOA	6.662	421.0 -> 376.0	213918	2.5000	µg/L		-5.302
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.84%			
13C3-PFHxS	6.797	402.0 -> 80.0	24417	2.5000	µg/L		-9.506
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.32%			
13C9-PFNA	7.137	472.0 -> 427.0	112497	1.2500	µg/L		-8.316
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.68%			
13C8-PFOS	7.756	507.0 -> 80.0	22530	2.5000	µg/L		-8.948
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.67%			
13C2-8-2 FTSA	7.372	529.0 -> 81.0	11364	5.0000	µg/L	#	-7.673
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.31%			
13C6-PFDA	7.575	519.0 -> 474.0	120005	1.2500	µg/L		-9.705
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.45%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	89102	5.0000	µg/L		-4.130

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.55%		
13C8-PFOS	7.756	507.0 -> 80.0	22530	2.5000	µg/L	-8.948
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.67%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	72831	5.0000	µg/L	-2.293
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.63%		
13C7-PFUnDA	7.999	570.0 -> 525.0	106446	1.2500	µg/L	-7.730
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.53%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	95125	1.2500	µg/L	-3.917
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.49%		
13C2-PFDoDA	8.424	615.0 -> 570.0	95897	1.2500	µg/L	-4.343
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.04%		
13C2-PFTDA	9.197	715.0 -> 670.0	94354	1.2500	µg/L	-3.481
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.95%		
13C8-PFOSA	9.897	506.0 -> 78.0	52360	2.5000	µg/L	-4.268
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 103.48%		
2H7-MeFOSE	11.052	623.1 -> 59.0	245949	25.0000	µg/L	-10.469
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.01%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	17783	2.5000	µg/L	-3.108
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.64%		
2H9-EtFOSE	11.420	639.1 -> 59.0	248055	25.0000	µg/L	-9.724
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.81%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	19029	2.5000	µg/L	-5.781
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.91%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	4697506	164.1688	µg/L	100
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 102.61%		
PFMPA	3.794	229.0 -> 85.0	1882427	82.7263	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 103.41%		
3-3 FTCA	4.030	241.0 -> 177.0	209569	175.7782	µg/L	99
Spiked Amount: 160.000	Range: 70 - 130%			Recovery = 109.86%		
PFPeA	4.596	263.0 -> 219.0	3998770	83.3287	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 104.16%		
PFMBA	4.910	279.0 -> 85.0	2546781	82.7842	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 103.48%		
4-2 FTSA	5.251	327.0 -> 307.0	1272507	148.6893	µg/L	96
Spiked Amount: 150.000	Range: 70 - 130%			Recovery = 99.13%		
NFDHA	5.390	295.0 -> 201.0	200032	76.2884	µg/L	92
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 95.36%		
PFHxA	5.480	313.0 -> 269.0	2779719	40.2723	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.68%		
PFBS	5.507	298.9 -> 80.0	592310	36.8723	µg/L	99
Spiked Amount: 35.480	Range: 70 - 130%			Recovery = 103.92%		
HFPO-DA	5.736	285.0 -> 169.0	1645724	80.2527	µg/L	100
Spiked Amount: 80.000	Range: 70 - 130%			Recovery = 100.32%		
PFEESA	5.860	314.9 -> 135.0	3493653	69.0405	µg/L	98
Spiked Amount: 71.200	Range: 70 - 130%			Recovery = 96.97%		
5-3 FTCA	6.132	341.0 -> 237.0	5102782	848.3107	µg/L	99
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 106.04%		
PFHpA	6.142	363.0 -> 319.0	3221464	41.1546	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.89%		
PFPeS	6.240	348.9 -> 80.0	458097	37.9414	µg/L	99
Spiked Amount: 37.640	Range: 70 - 130%			Recovery = 100.80%		
DONA	6.333	377.0 -> 251.0	7428870	78.3751	µg/L	99
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 103.67%		

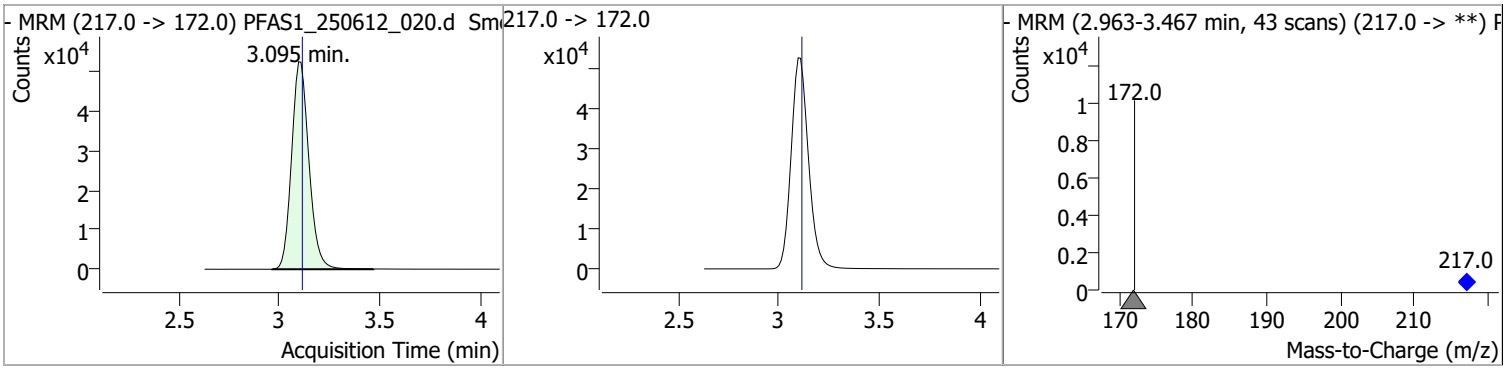
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	1150948	149.5111	µg/L	99
Spiked Amount: 152.000	Range: 70 - 130%			Recovery = 98.36%		
PFOA	6.663	413.0 -> 369.0	3440973	40.9030	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.26%		
PFHxS	6.798	398.9 -> 80.0	383328	38.3193	µg/L	97
Spiked Amount: 36.560	Range: 70 - 130%			Recovery = 104.81%		
PFNA	7.138	463.0 -> 419.0	3592307	42.3611	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 105.90%		
PFHpS	7.295	448.9 -> 80.0	355123	38.4899	µg/L	98
Spiked Amount: 38.120	Range: 70 - 130%			Recovery = 100.97%		
8-2 FTSA	7.373	527.0 -> 507.0	1125005	139.3177	µg/L	98
Spiked Amount: 153.600	Range: 70 - 130%			Recovery = 90.70%		
7-3 FTCA	7.463	441.0 -> 317.0	5766834	867.4793	µg/L	99
Spiked Amount: 800.000	Range: 70 - 130%			Recovery = 108.43%		
PFDA	7.576	513.0 -> 469.0	3807306	41.3858	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 103.46%		
N-MeFOSAA	7.704	570.0 -> 419.0	654076	41.6997	µg/L	97
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 104.25%		
PFOS	7.758	498.9 -> 80.0	389093	38.6781	µg/L	96
Spiked Amount: 37.120	Range: 70 - 130%			Recovery = 104.20%		
N-EtFOSAA	7.939	584.0 -> 419.0	568499	40.4106	µg/L	96
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.03%		
PFUnDA	8.000	563.0 -> 519.0	3454828	40.9627	µg/L	98
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 102.41%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	4851561	73.8825	µg/L	95
Spiked Amount: 74.800	Range: 70 - 130%			Recovery = 98.77%		
PFNS	8.193	548.9 -> 80.0	371476	39.1452	µg/L	100
Spiked Amount: 38.480	Range: 70 - 130%			Recovery = 101.73%		
PFDoDA	8.424	613.0 -> 569.0	3024035	40.0784	µg/L	96
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 100.20%		
PFDS	8.618	598.9 -> 80.0	303356	38.7726	µg/L	99
Spiked Amount: 38.600	Range: 70 - 130%			Recovery = 100.45%		
PFTrDA	8.829	663.0 -> 619.0	2998752	39.6695	µg/L	96
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 99.17%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	3410797	74.9528	µg/L	98
Spiked Amount: 75.600	Range: 70 - 130%			Recovery = 99.14%		
PFTDA	9.198	712.9 -> 669.0	2845223	39.2583	µg/L	96
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 98.15%		
PFDoS	9.356	698.9 -> 80.0	203887	39.5999	µg/L	97
Spiked Amount: 38.800	Range: 70 - 130%			Recovery = 102.06%		
PFOSA	9.900	497.9 -> 78.0	790900	40.7848	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.96%		
MeFOSE	11.077	616.0 -> 59.0	3644086	387.1498	µg/L	100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 96.79%		
N-MeFOSA	11.191	512.0 -> 219.0	284031	40.6388	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 101.60%		
EtFOSE	11.457	630.0 -> 59.0	3459600	375.7921	µg/L	100
Spiked Amount: 400.000	Range: 70 - 130%			Recovery = 93.95%		
N-EtFOSA	11.581	526.0 -> 219.0	334178	41.4245	µg/L	95
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 103.56%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

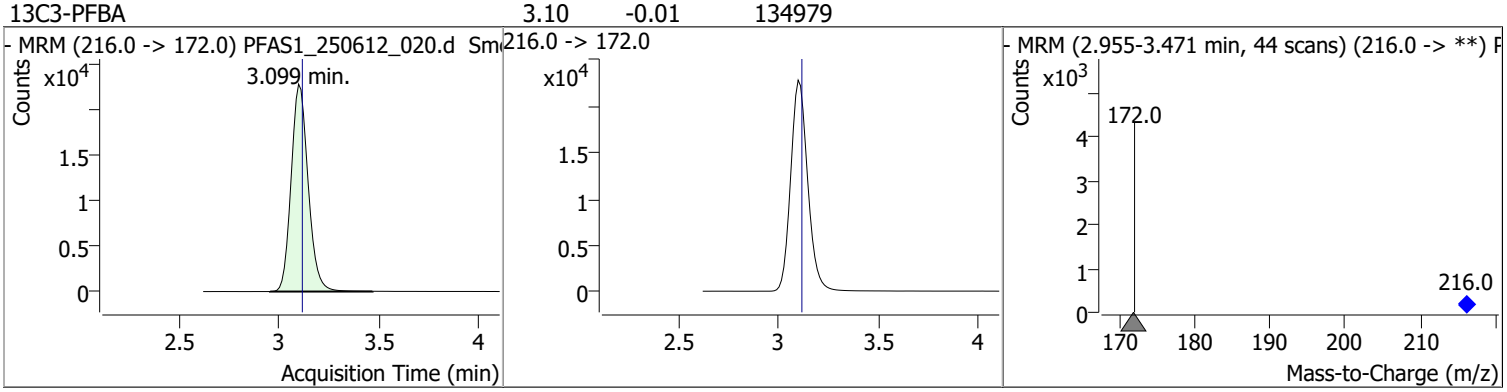
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	164.1688	3.10	0.00	4697506				



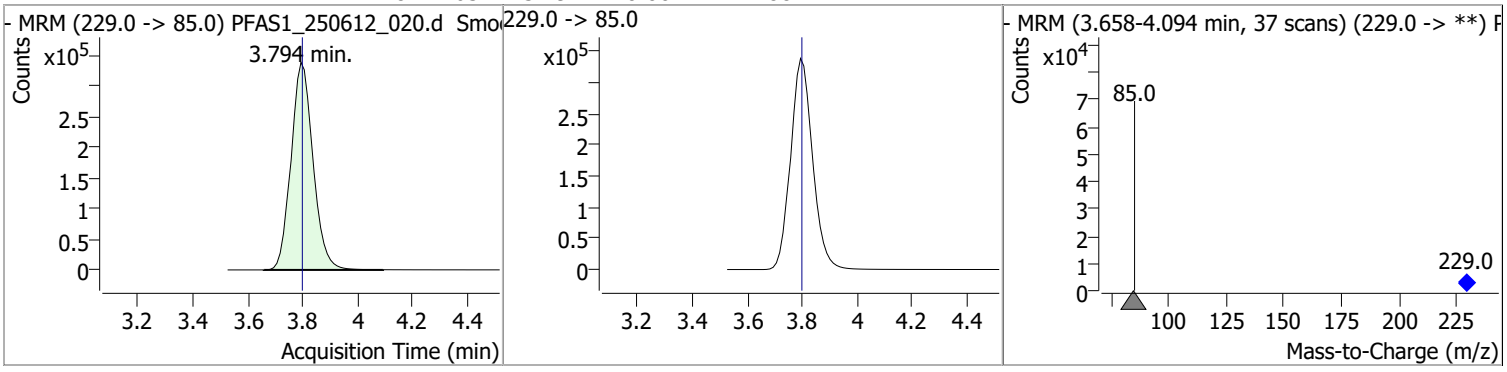
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0919	3.09	-0.01	314506				



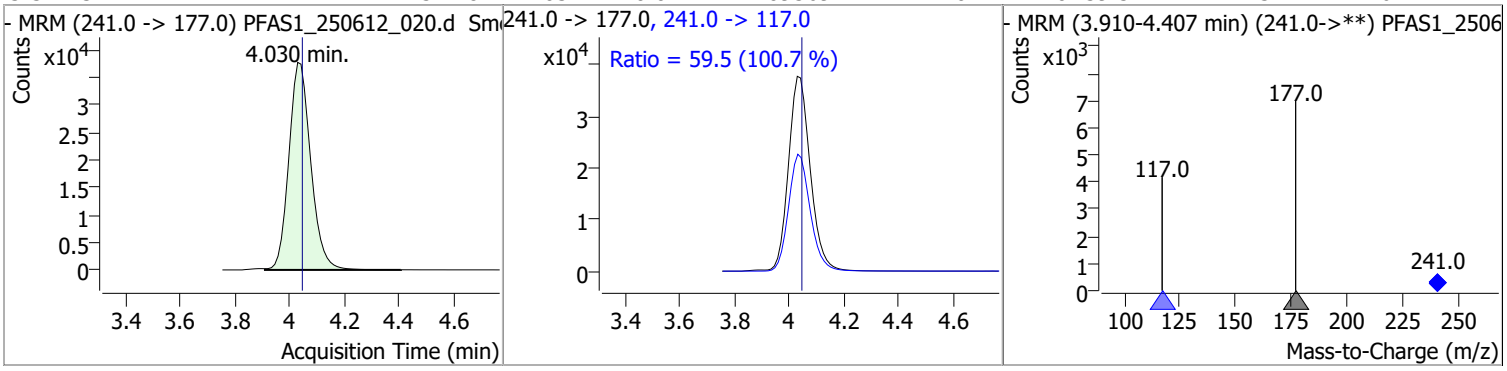
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	-0.01	134979				



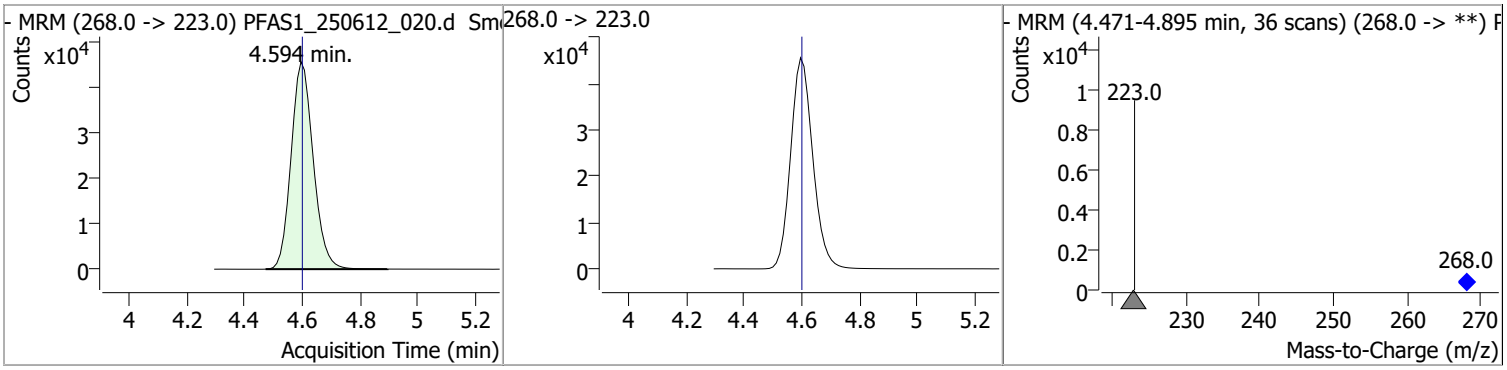
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	82.7263	3.79	0.00	1882427				



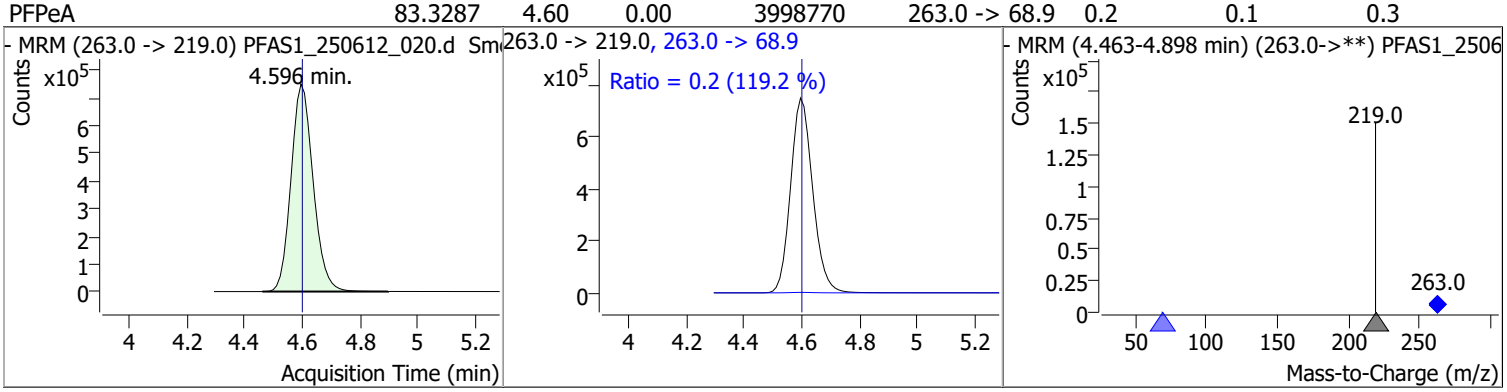
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	175.7782	4.03	-0.01	209569	241.0 -> 117.0	59.5	41.3	76.7



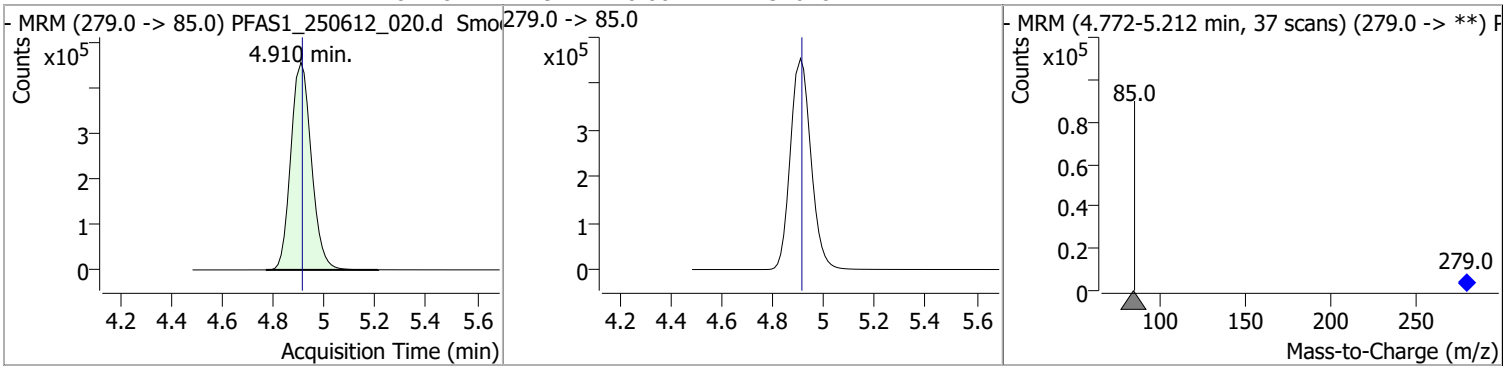
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	4.9603	4.59	0.00	243113				



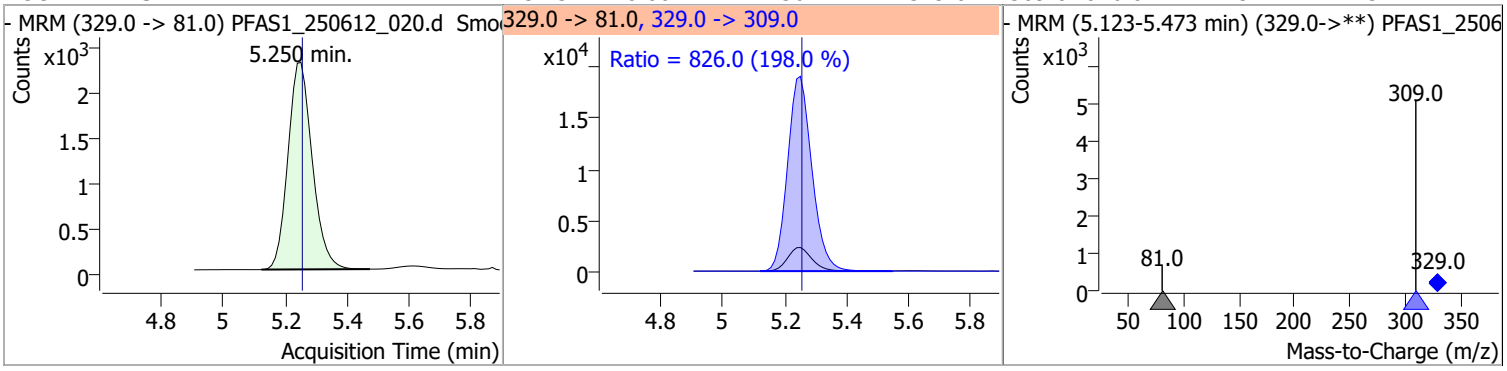
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	83.3287	4.60	0.00	3998770	263.0 -> 68.9	0.2	0.1	0.3



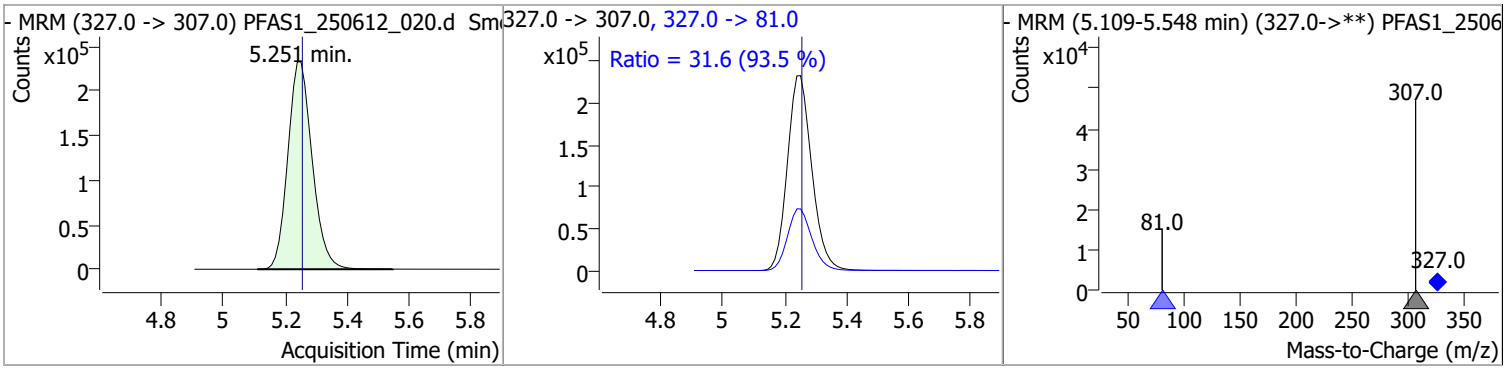
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	82.7842	4.91	0.00	2546781				



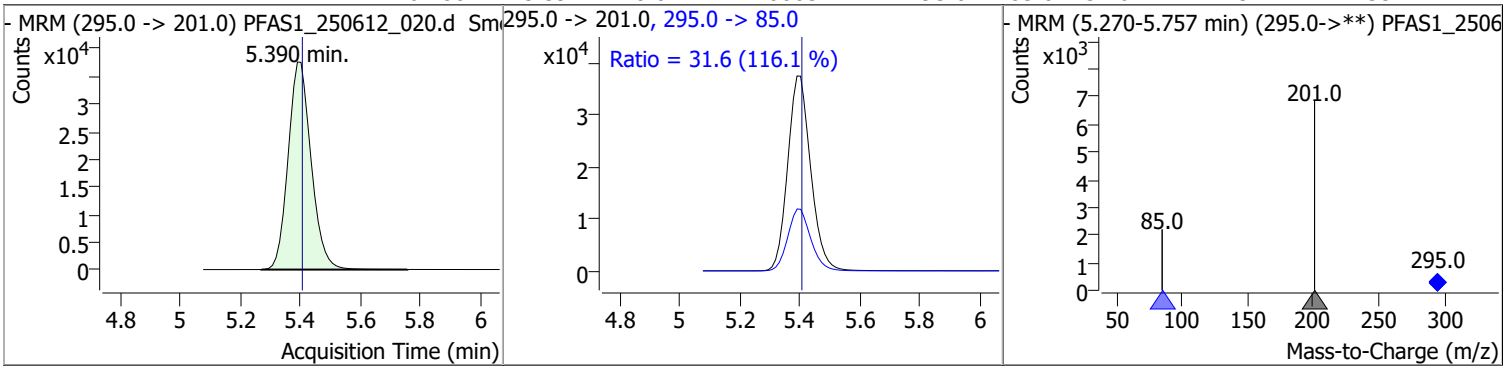
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.2117	5.25	0.00	12562	329.0 -> 309.0	826.0	292.1	542.4



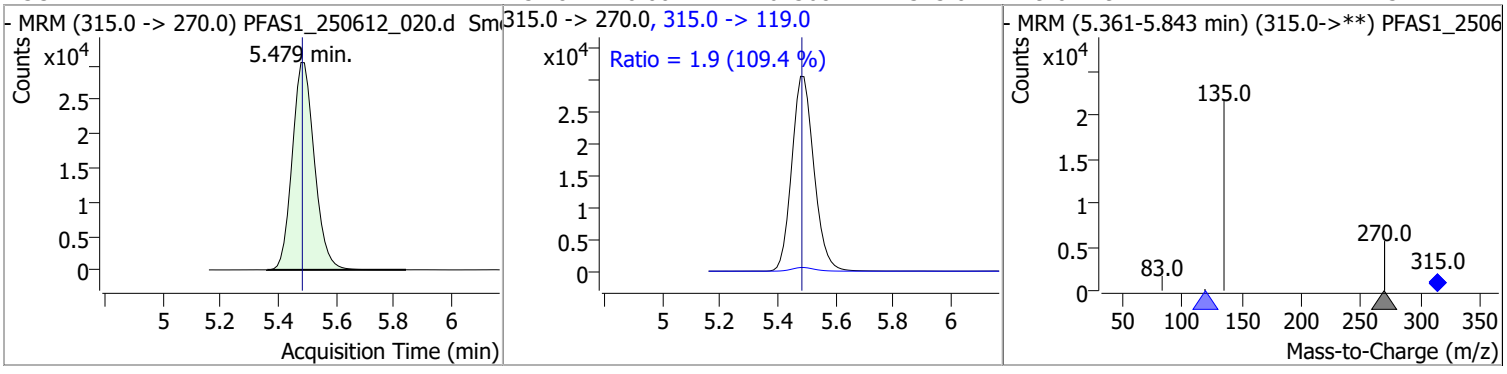
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	148.6893	5.25	0.00	1272507	327.0 -> 81.0	31.6	23.6	43.9



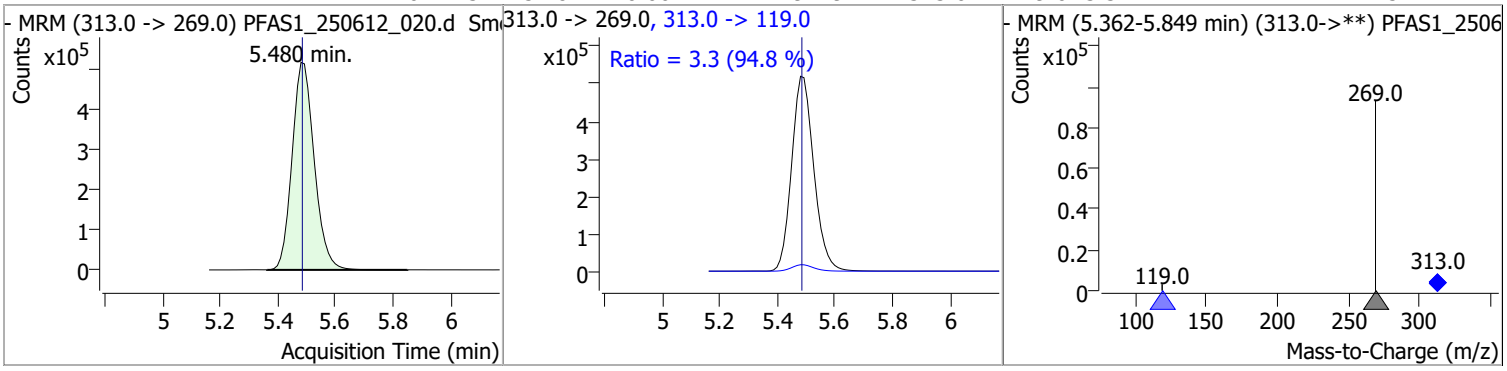
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	76.2884	5.39	-0.01	200032	295.0 -> 85.0	31.6	19.1	35.4



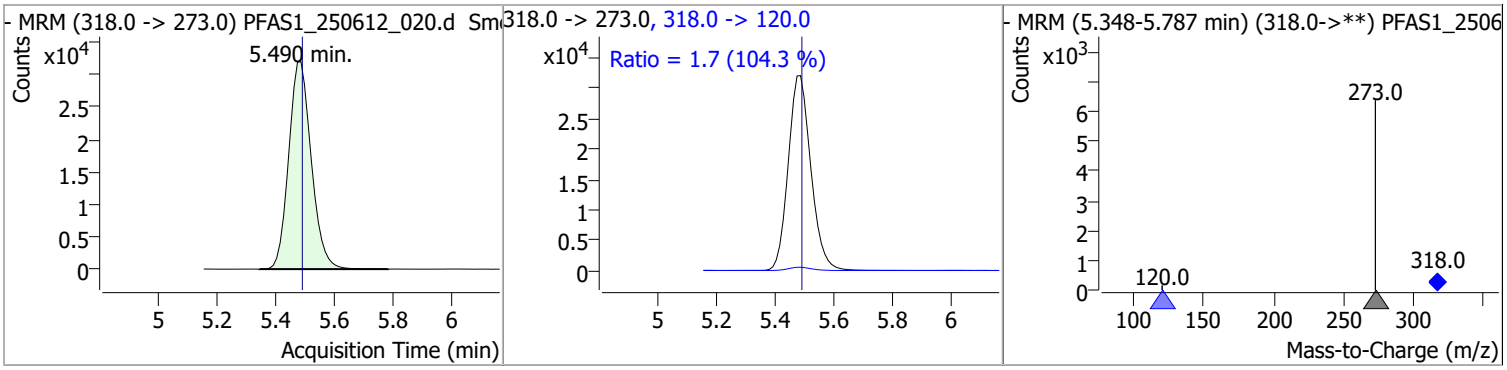
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	162368	315.0 -> 119.0	1.9	1.2	2.3



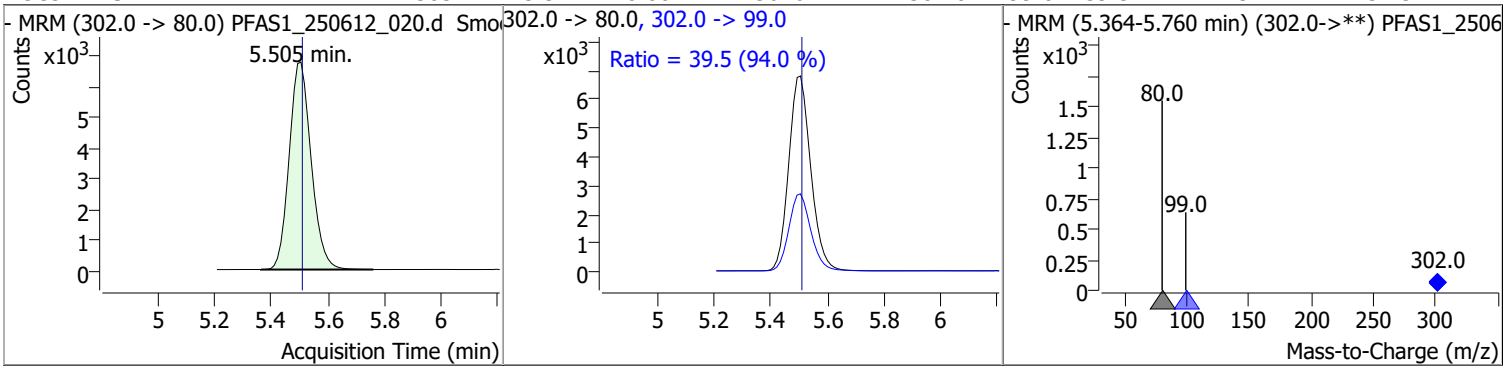
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	40.2723	5.48	0.00	2779719	313.0 -> 119.0	3.3	2.4	4.5



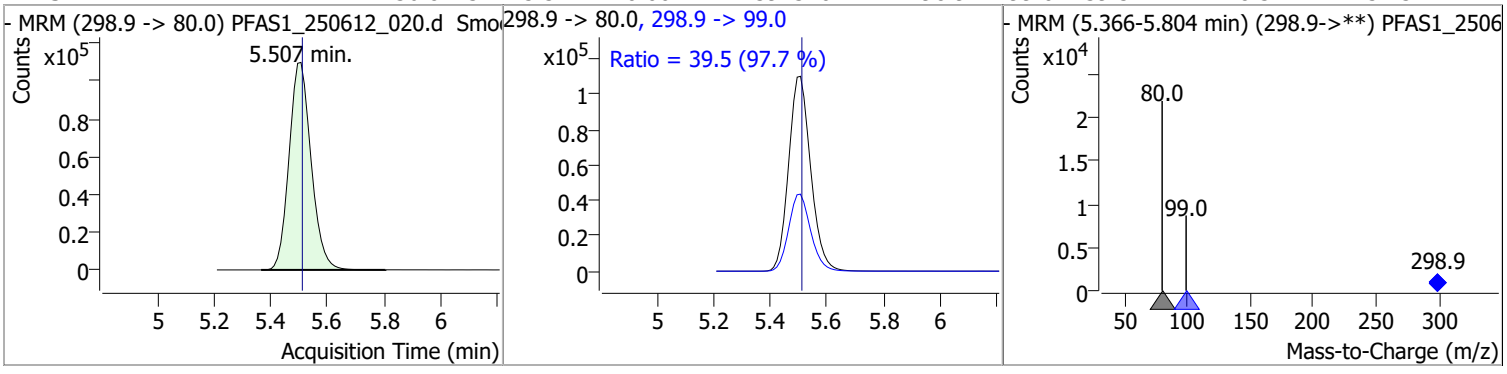
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5543	5.49	0.00	170862	318.0 -> 120.0	1.7	1.1	2.1



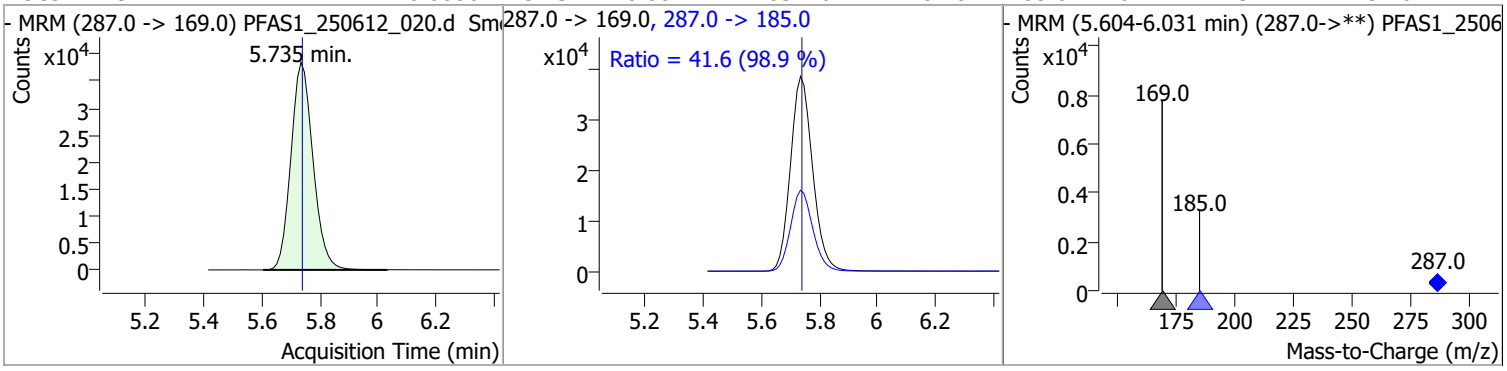
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.3032	5.51	0.00	36461	302.0 -> 99.0	39.5	29.4	54.5



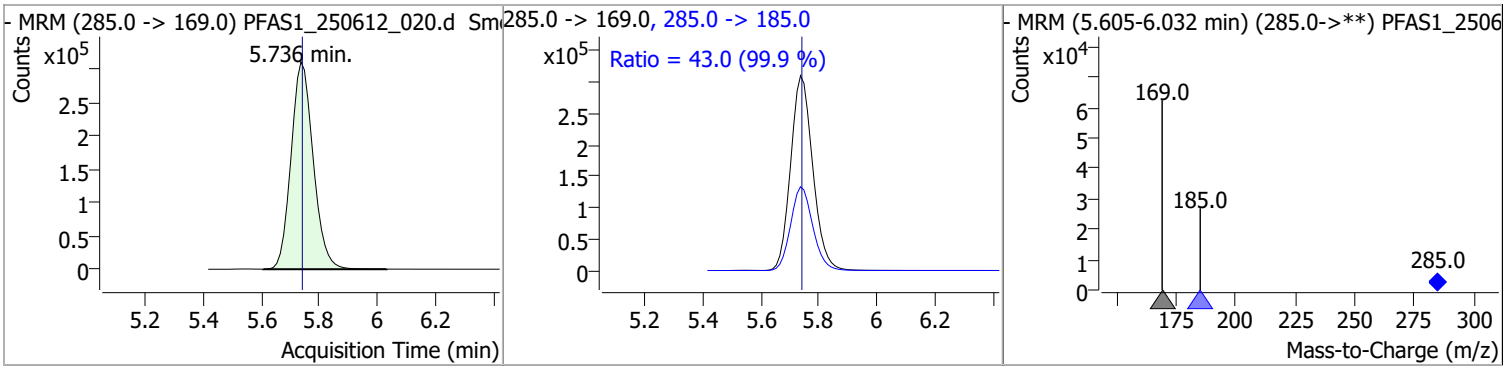
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	36.8723	5.51	0.00	592310	298.9 -> 99.0	39.5	28.3	52.5



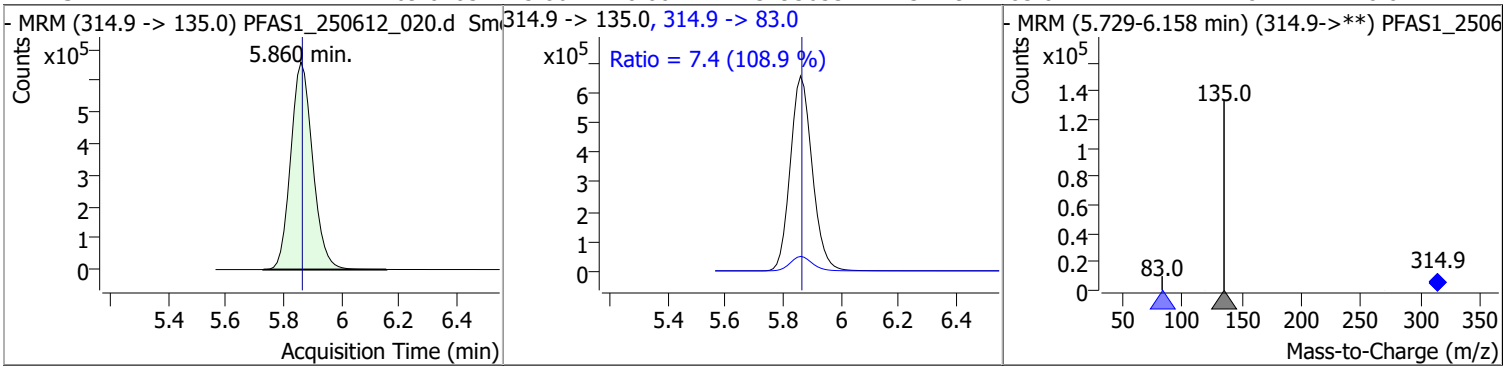
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	10.0886	5.73	0.00	203476	287.0 -> 185.0	41.6	29.4	54.6



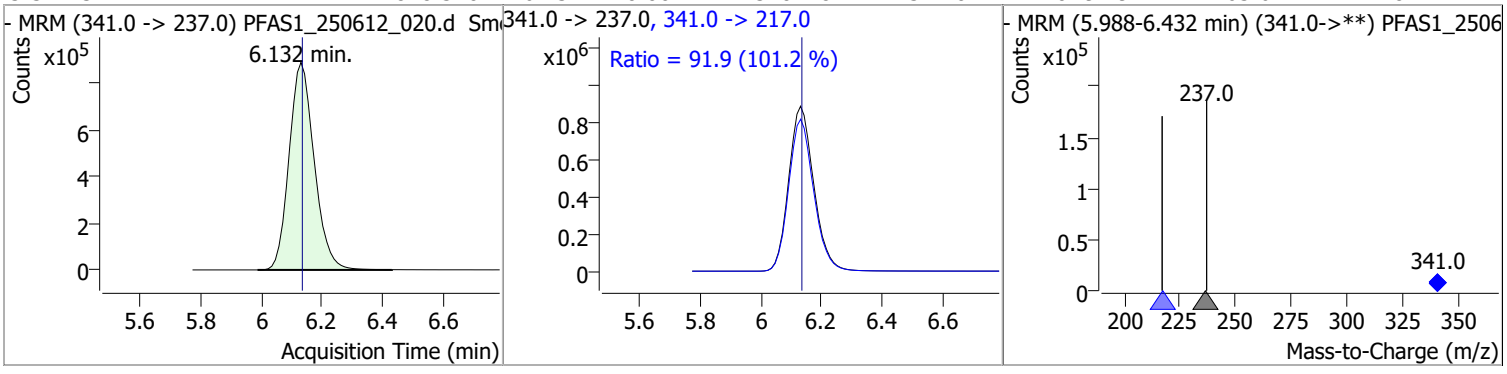
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	80.2527	5.74	0.00	1645724	285.0 -> 185.0	43.0	30.1	56.0



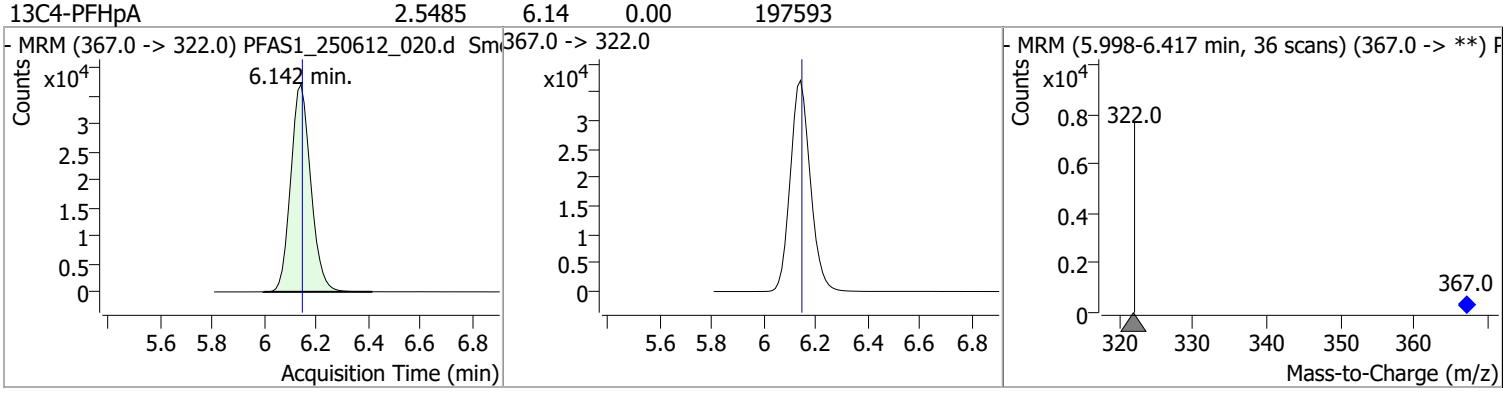
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	69.0405	5.86	0.00	3493653	314.9 -> 83.0	7.4	4.8	8.8



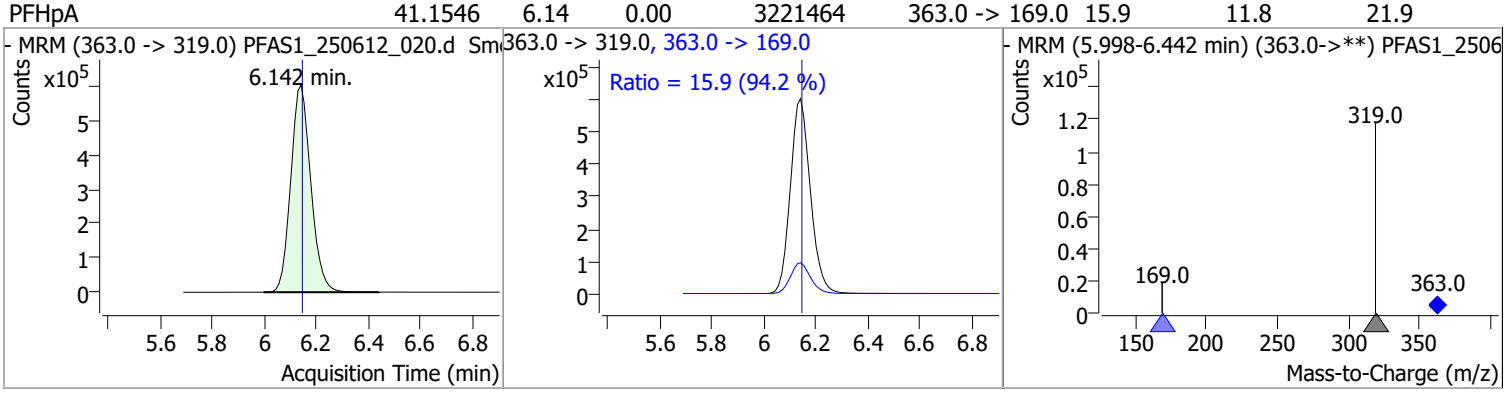
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	848.3107	6.13	0.00	5102782	341.0 -> 217.0	91.9	63.6	118.1



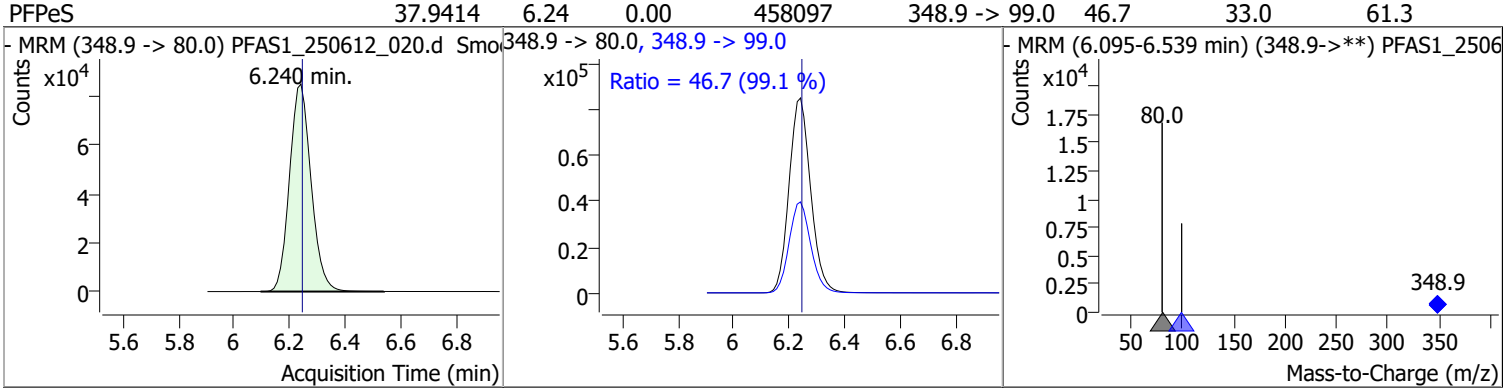
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5485	6.14	0.00	197593				



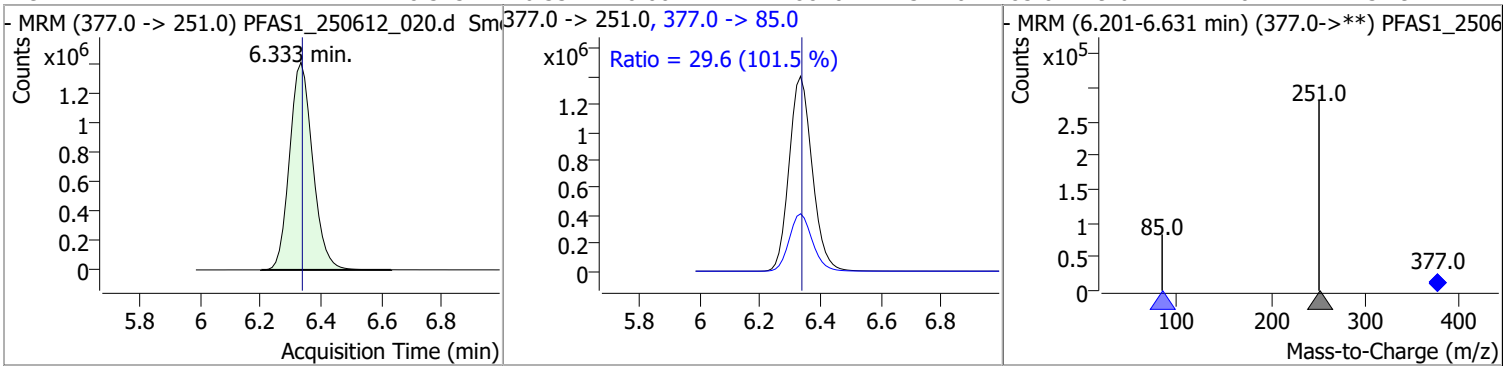
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	41.1546	6.14	0.00	3221464	363.0 -> 169.0	15.9	11.8	21.9



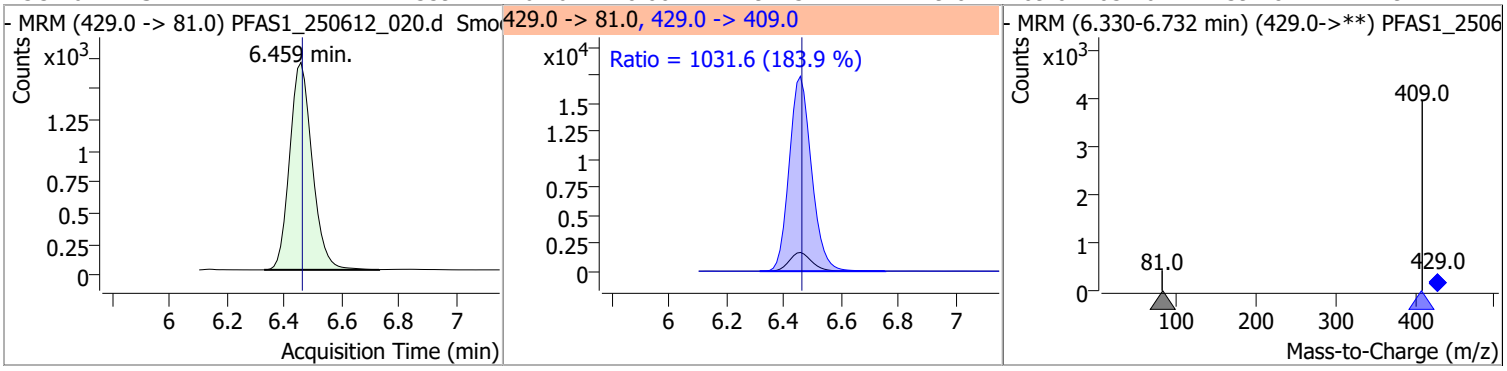
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	37.9414	6.24	0.00	458097	348.9 -> 99.0	46.7	33.0	61.3



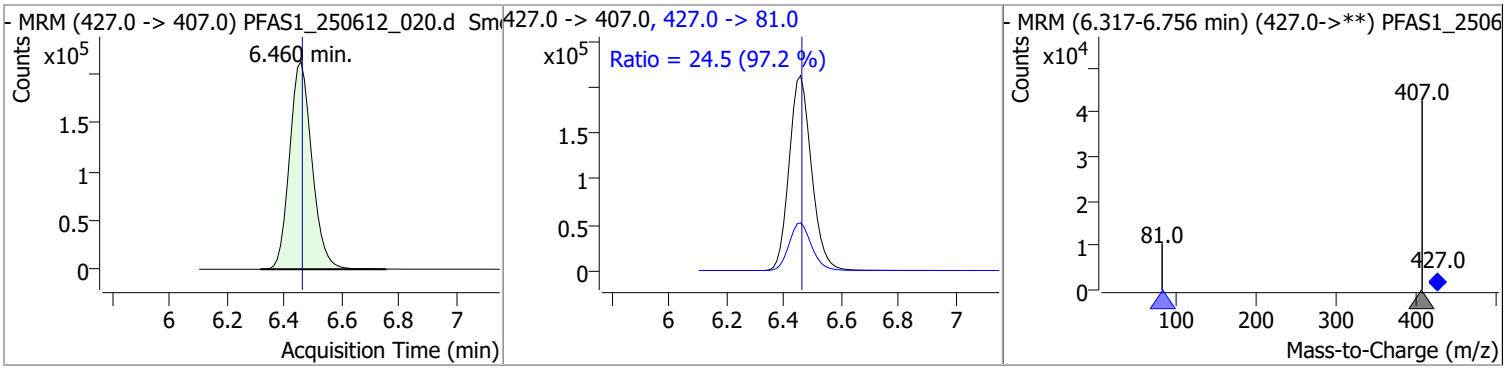
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	78.3751	6.33	0.00	7428870	377.0 -> 85.0	29.6	20.4	37.9



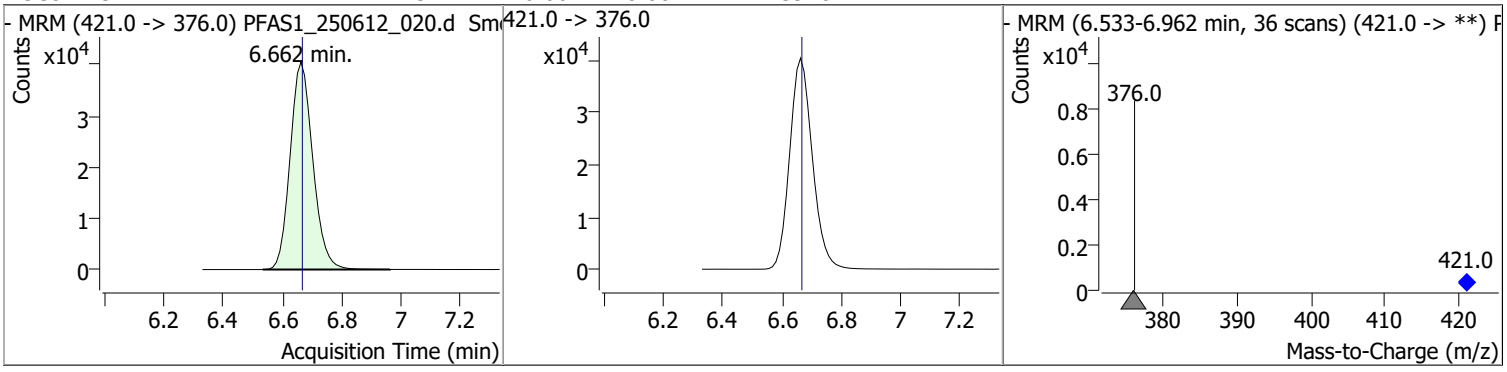
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.3597	6.46	0.00	9113	429.0 -> 409.0	1031.6	392.8	729.4



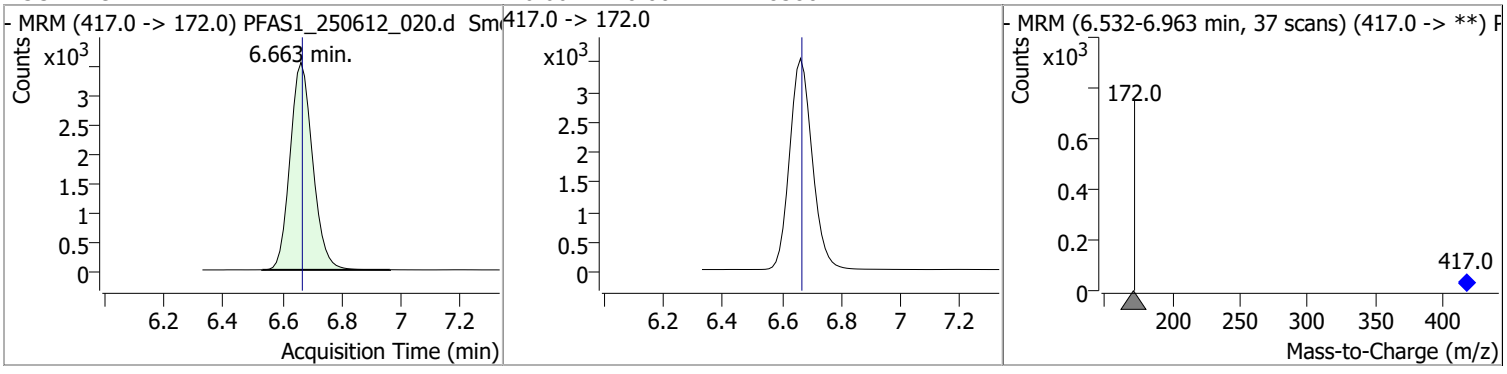
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	149.5111	6.46	0.00	1150948	427.0 -> 81.0	24.5	17.7	32.8



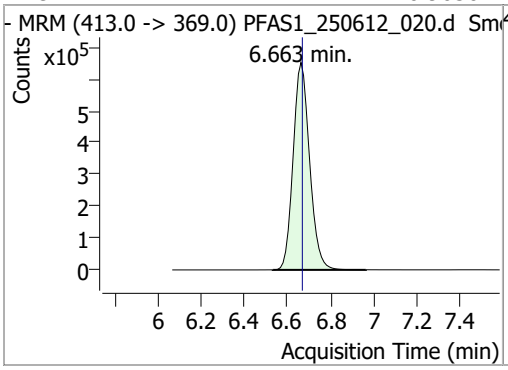
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.5711	6.66	0.00	213918				

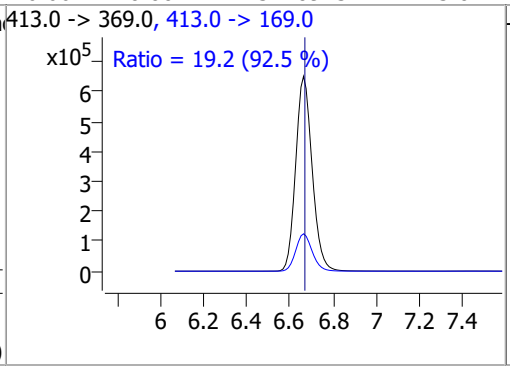


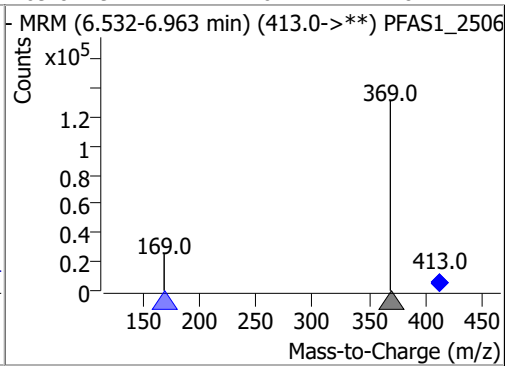
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	18580				



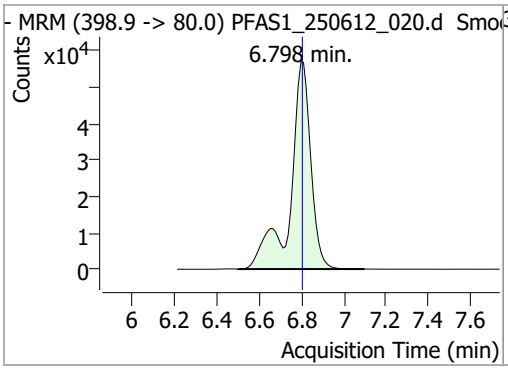
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	40.9030	6.66	0.00	3440973	413.0 -> 169.0	19.2	14.6	27.0

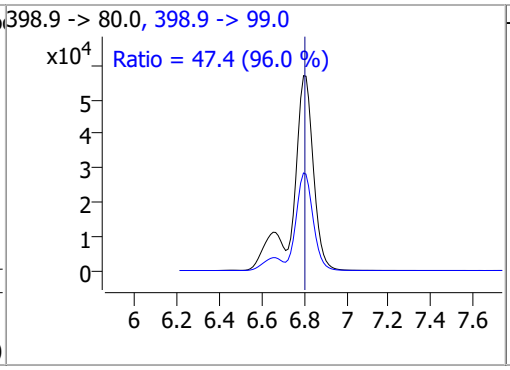


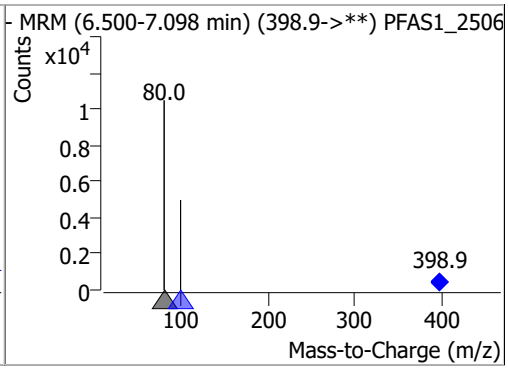




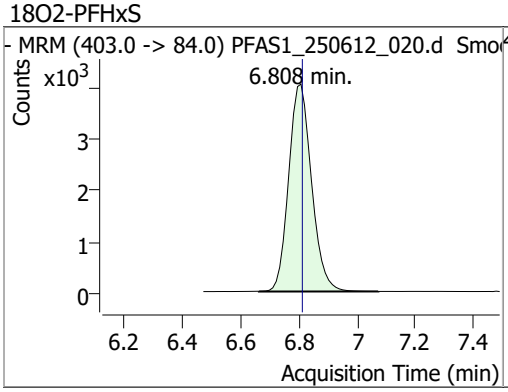
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	38.3193	6.80	0.00	383328	398.9 -> 99.0	47.4	34.6	64.2

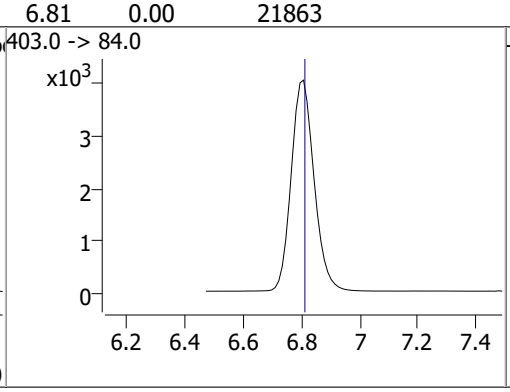


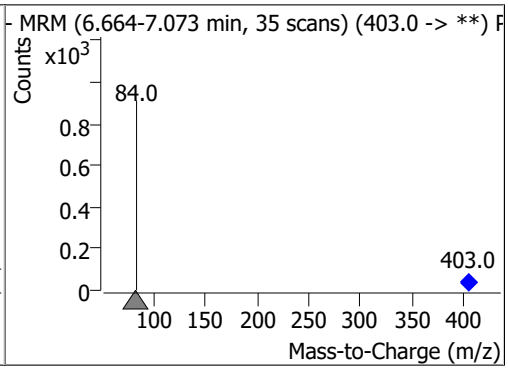




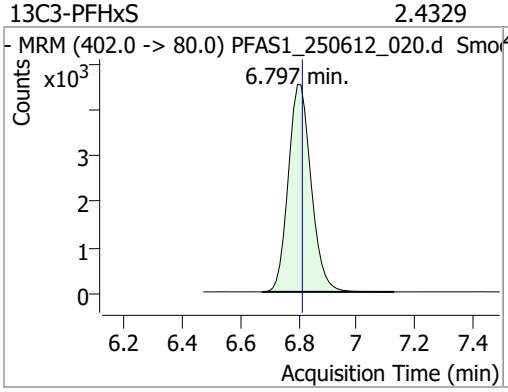
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.81	0.00	21863				

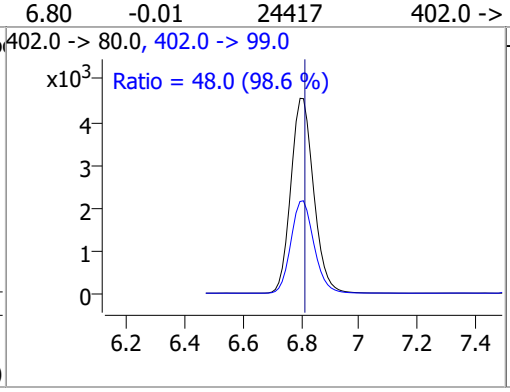


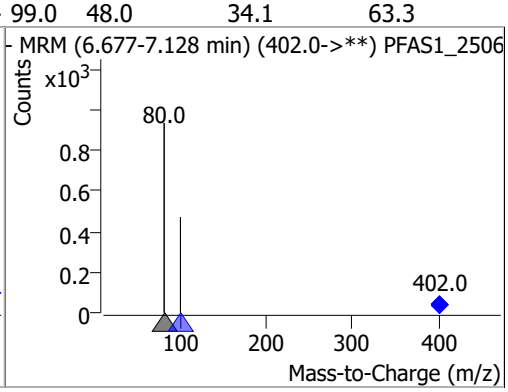




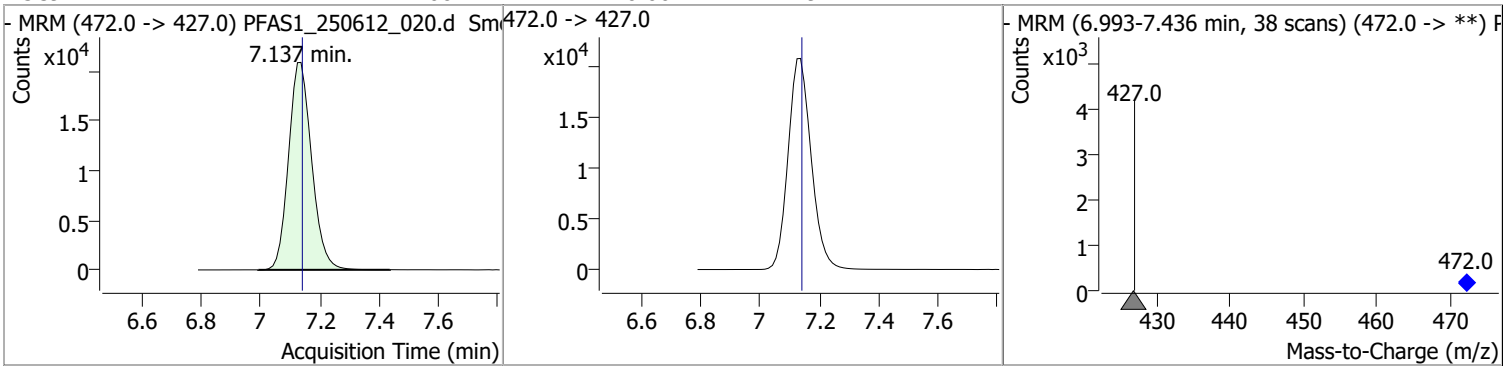
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4329	6.80	-0.01	24417	402.0 -> 99.0	48.0	34.1	63.3



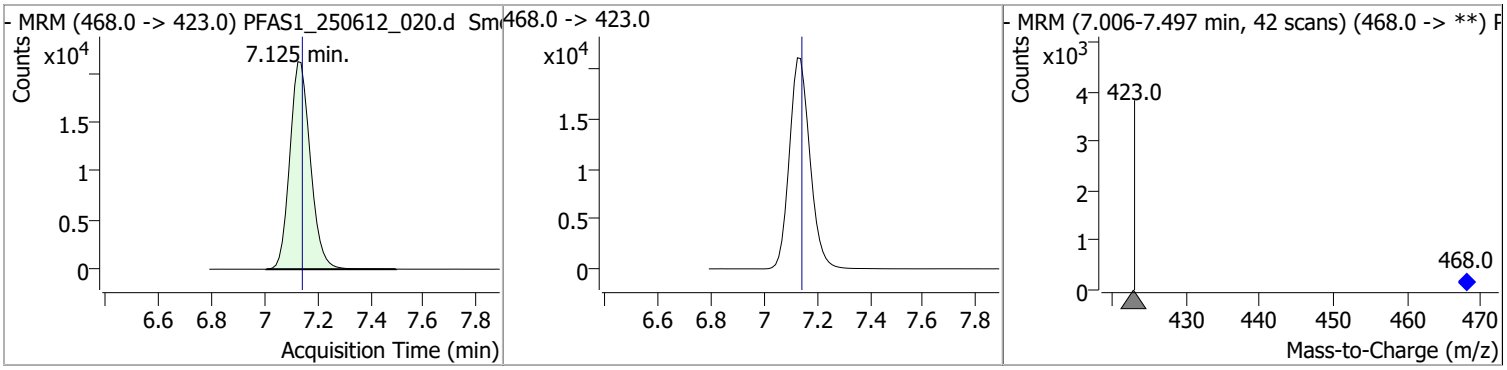




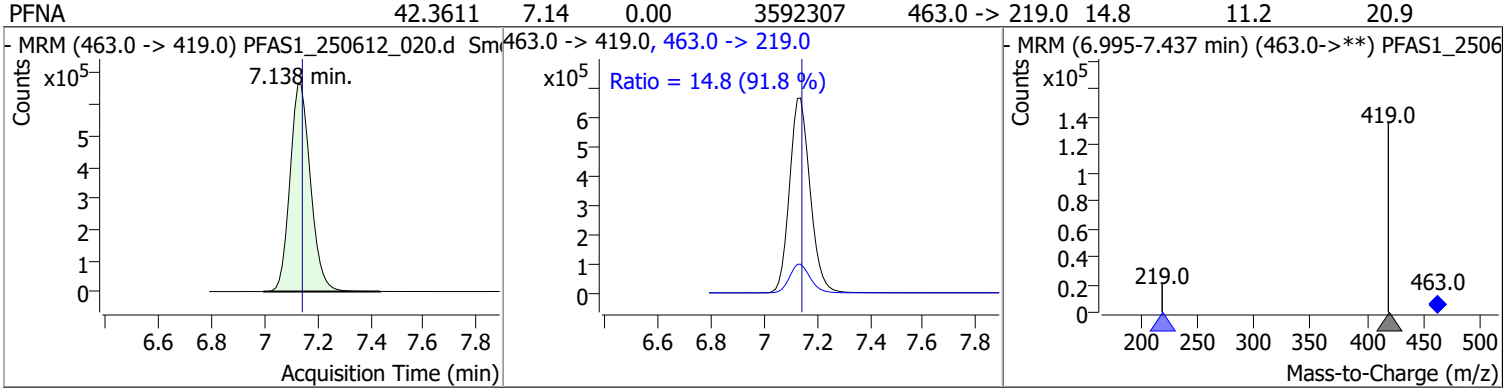
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2084	7.14	0.00	112497				



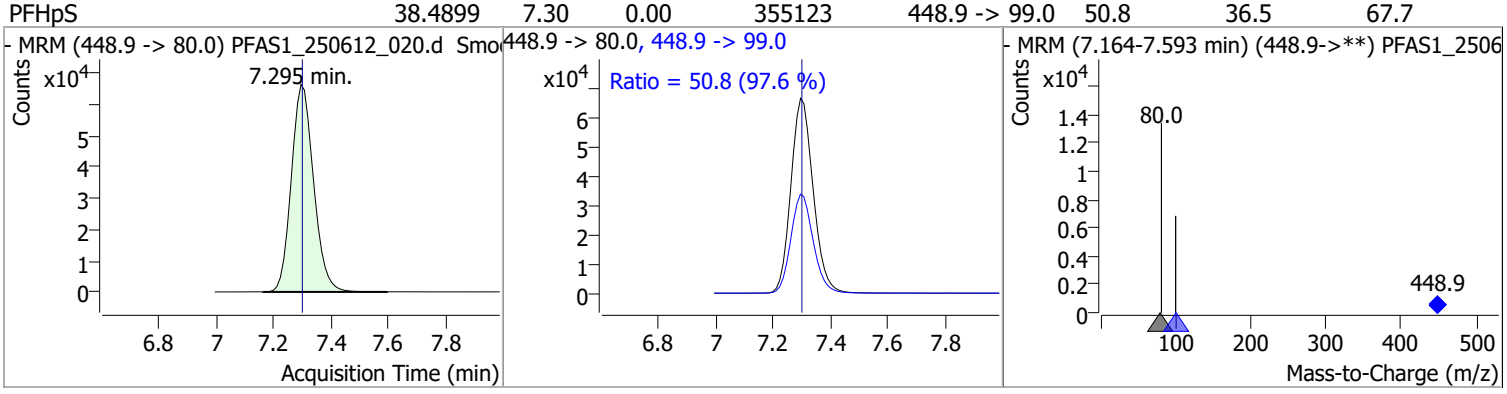
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	-0.01	113530				



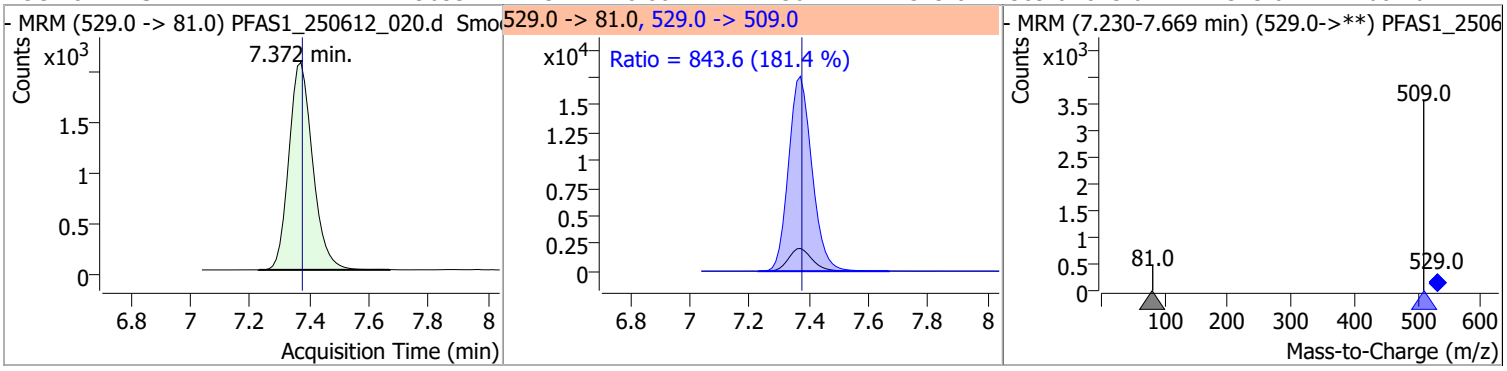
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	42.3611	7.14	0.00	3592307	463.0 -> 219.0	14.8	11.2	20.9



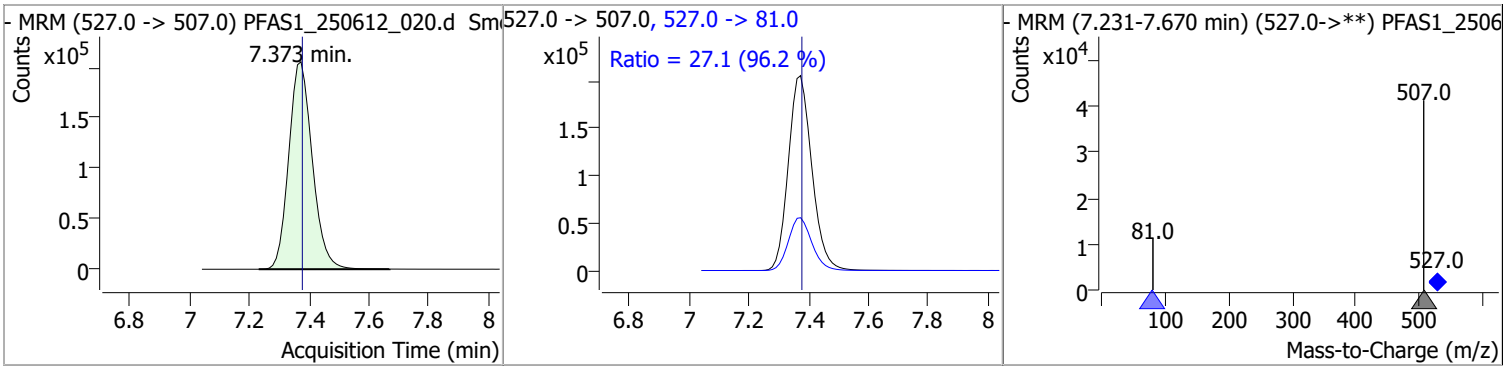
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	38.4899	7.30	0.00	355123	448.9 -> 99.0	50.8	36.5	67.7



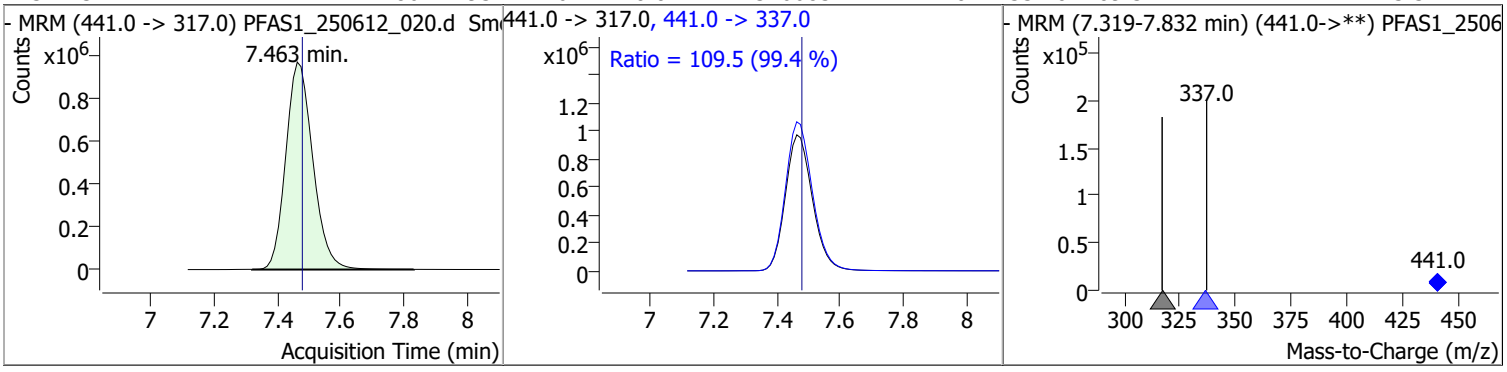
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9653	7.37	0.00	11364	529.0 -> 509.0	843.6	325.6	604.6



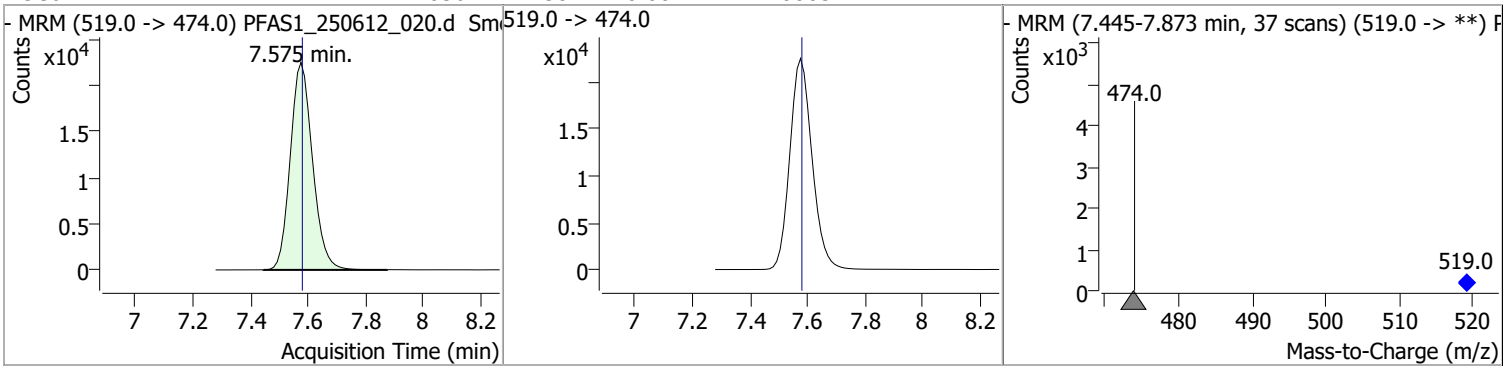
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	139.3177	7.37	0.00	1125005	527.0 -> 81.0	27.1	19.7	36.6



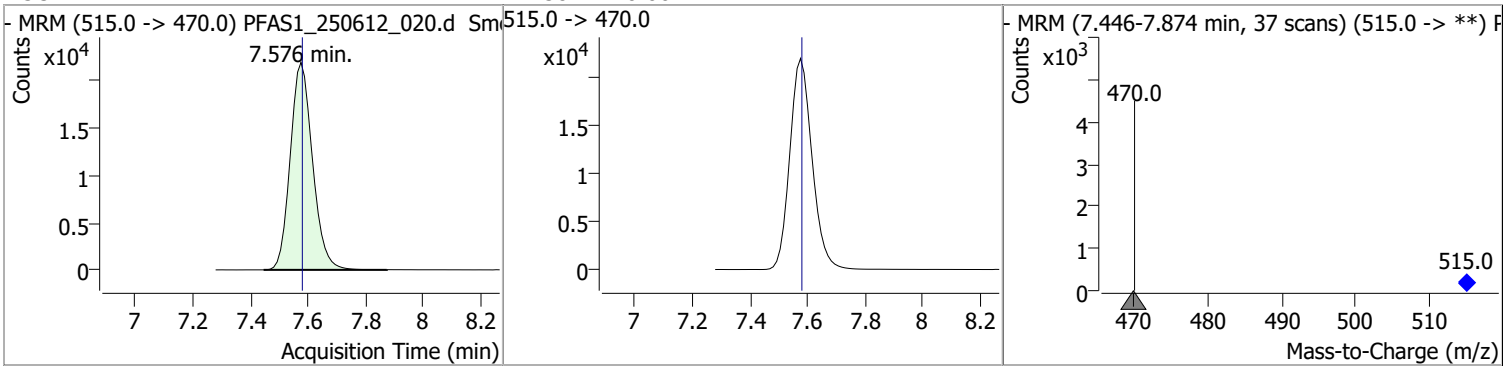
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	867.4793	7.46	-0.01	5766834	441.0 -> 337.0	109.5	77.1	143.3



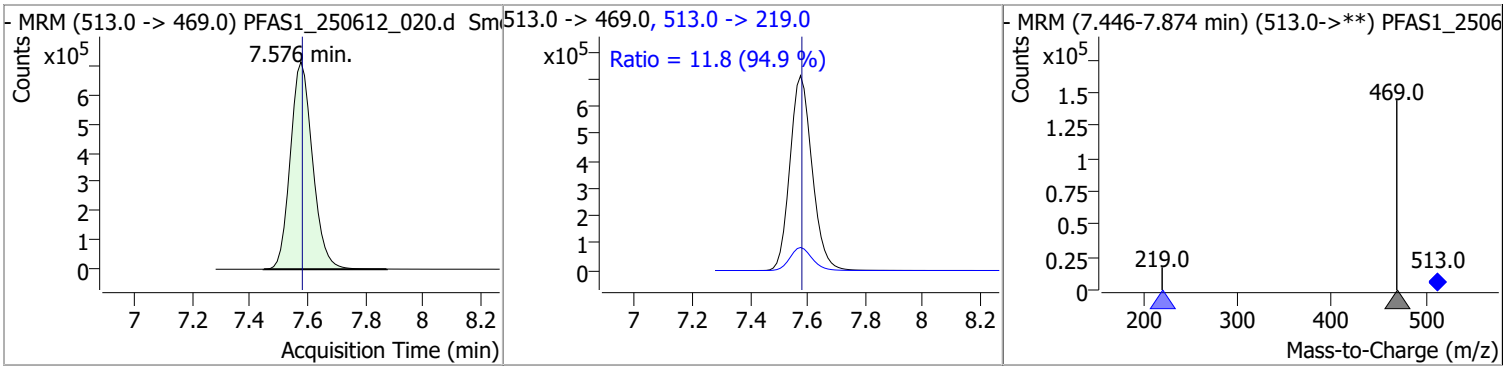
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2056	7.58	0.00	120005				



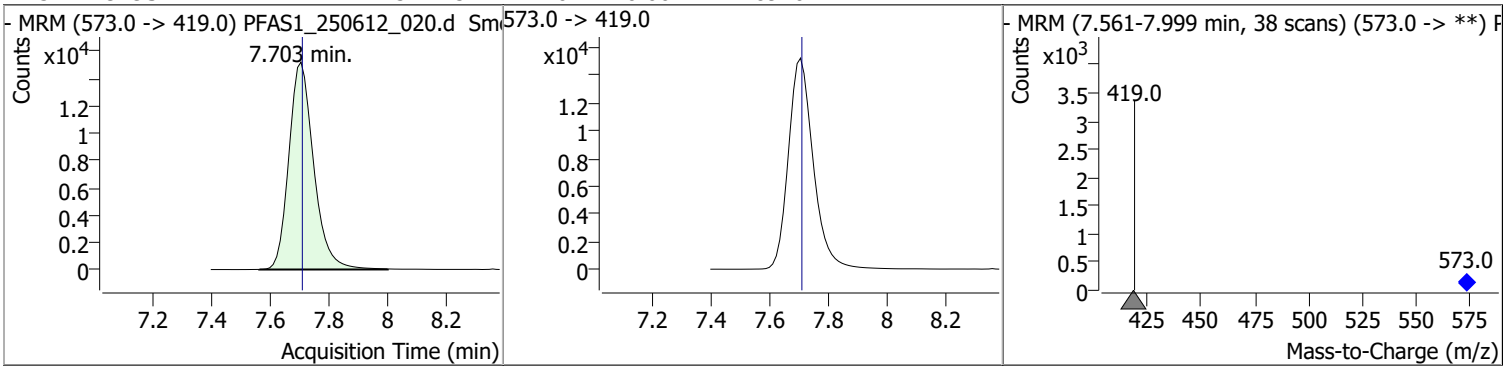
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	117214				



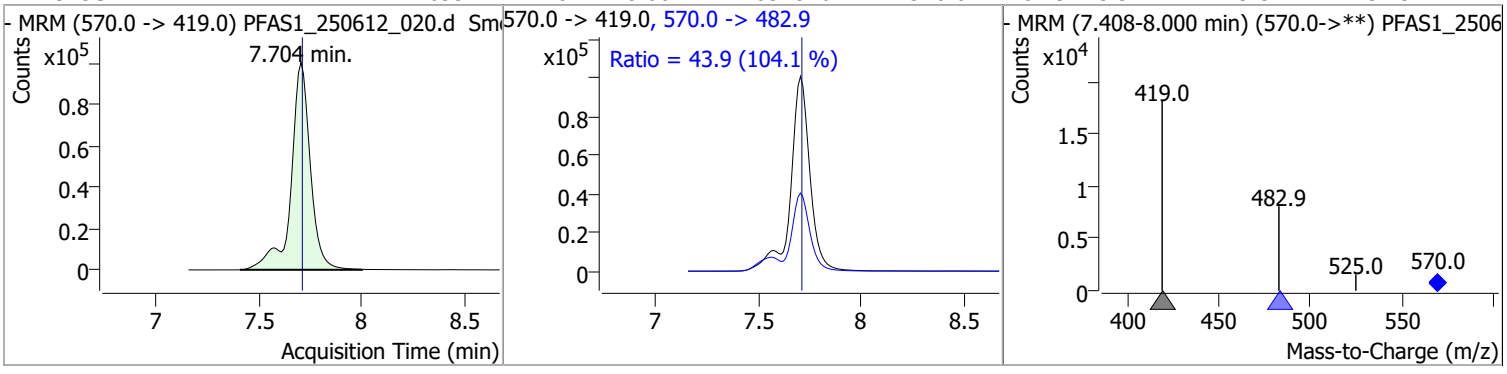
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	41.3858	7.58	0.00	3807306	513.0 -> 219.0	11.8	8.7	16.2



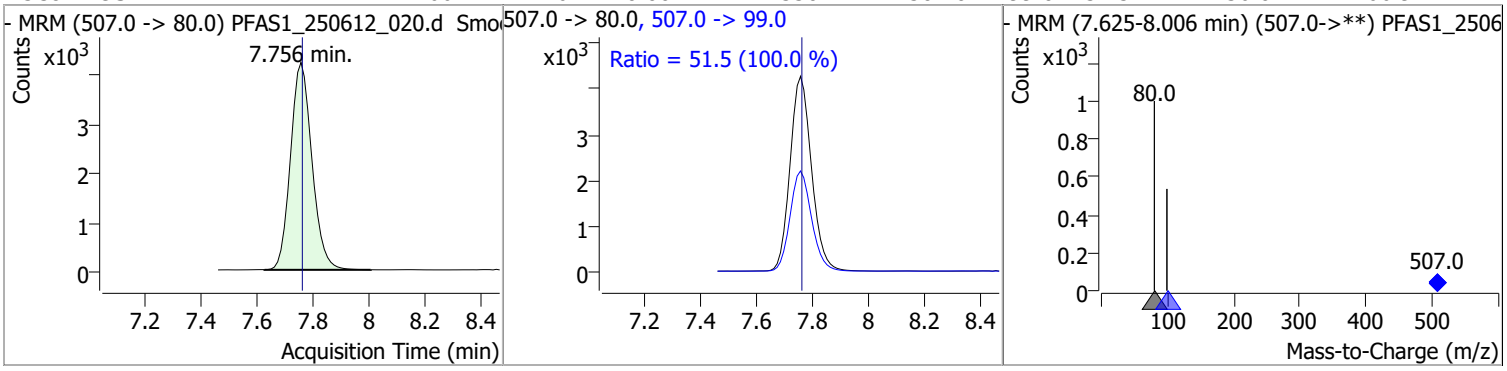
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1775	7.70	0.00	89102				



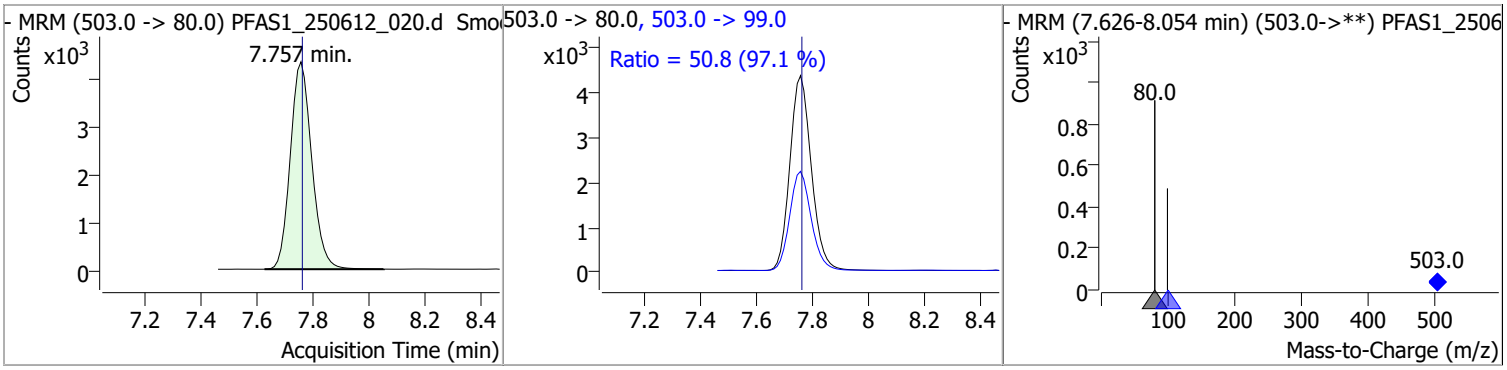
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	41.6997	7.70	0.00	654076	570.0 -> 482.9	43.9	29.5	54.9



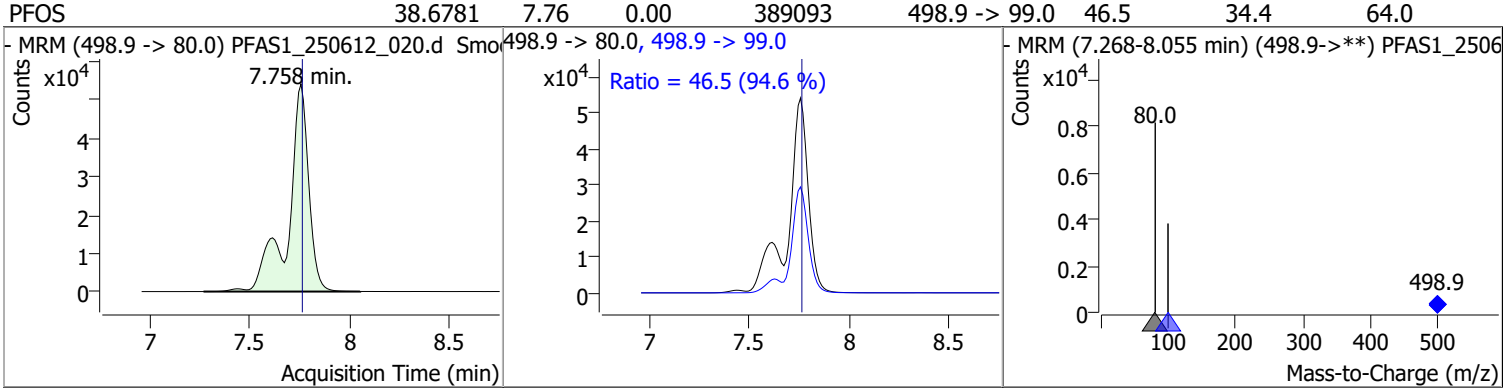
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4667	7.76	0.00	22530	507.0 -> 99.0	51.5	36.0	66.9



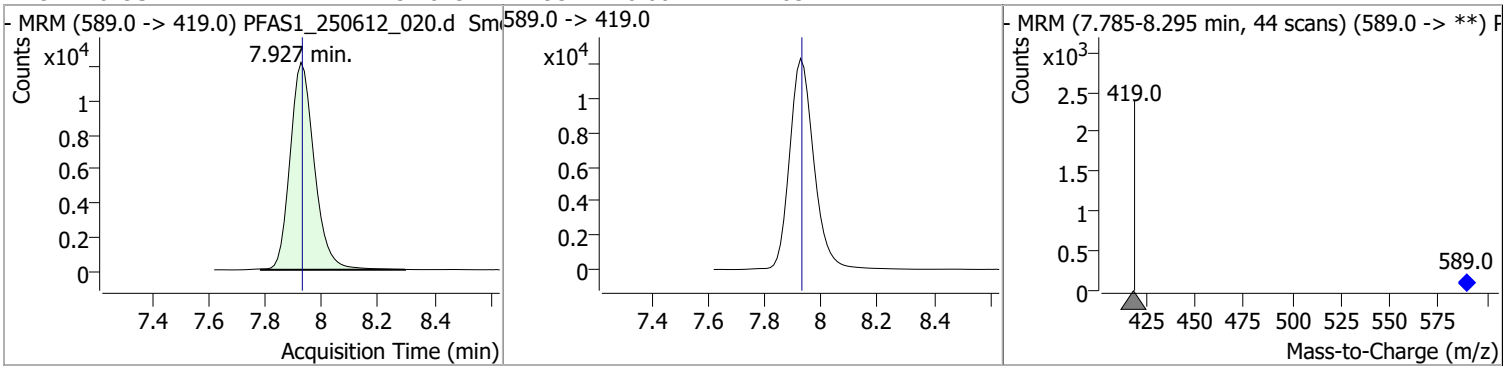
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	23048	503.0 -> 99.0	50.8	36.6	67.9



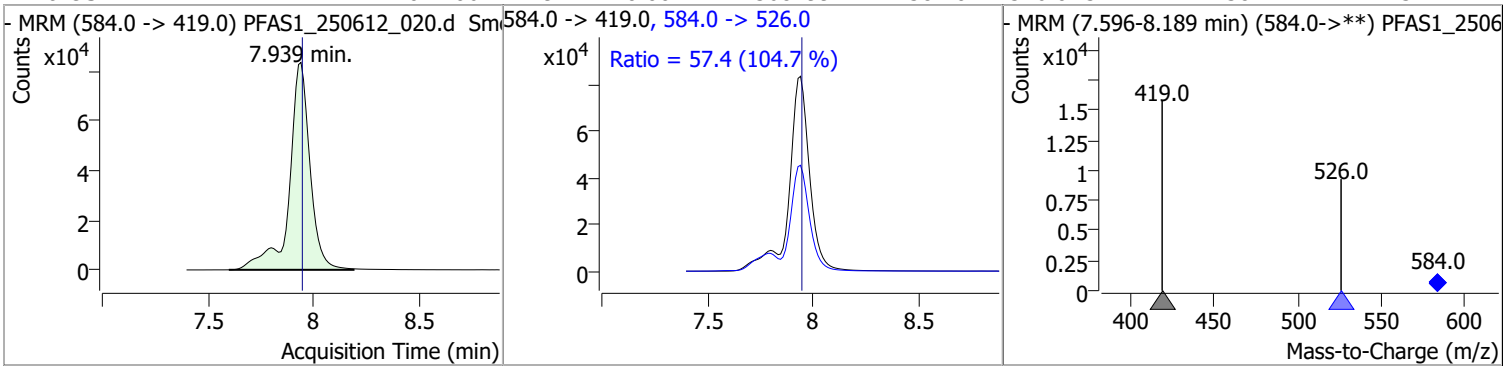
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	38.6781	7.76	0.00	389093	498.9 -> 99.0	46.5	34.4	64.0



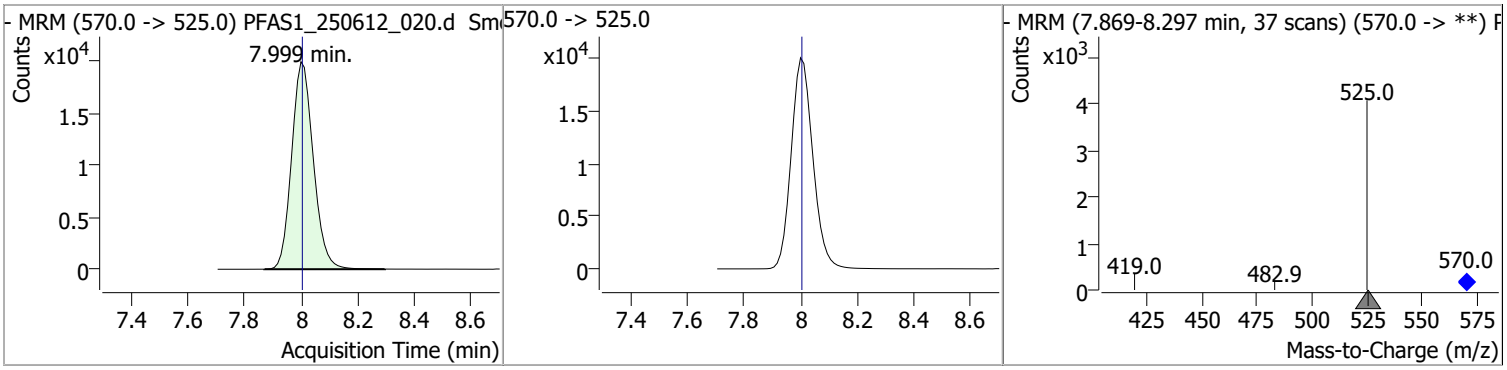
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.2813	7.93	0.00	72831				



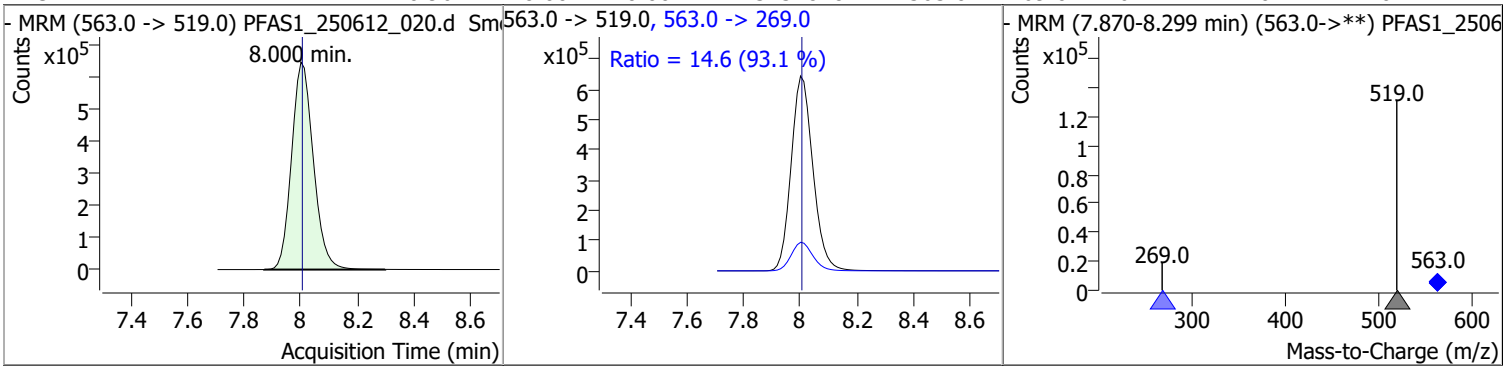
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	40.4106	7.94	0.00	568499	584.0 -> 526.0	57.4	38.4	71.3



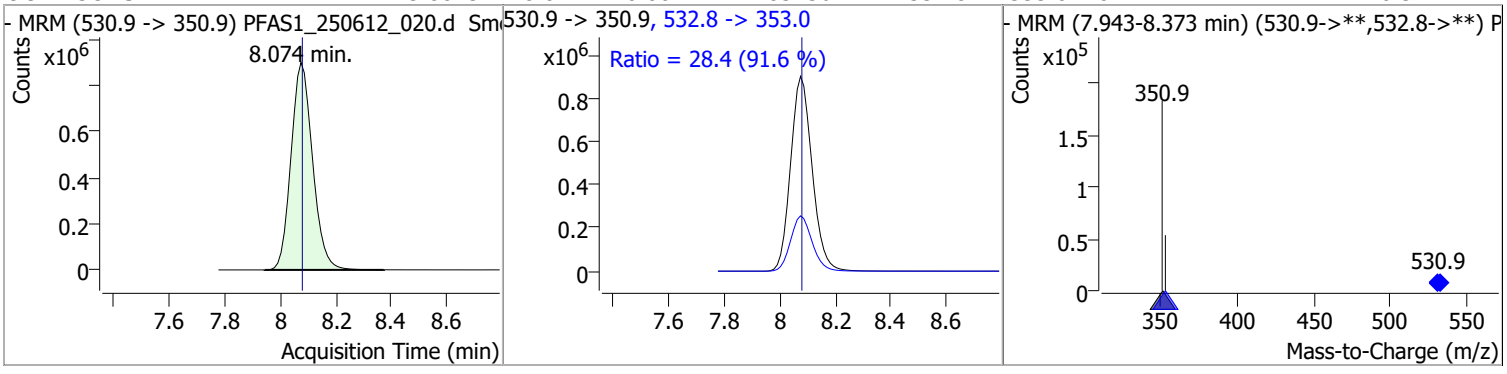
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2317	8.00	0.00	106446				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	40.9627	8.00	0.00	3454828	563.0 -> 269.0	14.6	11.0	20.4

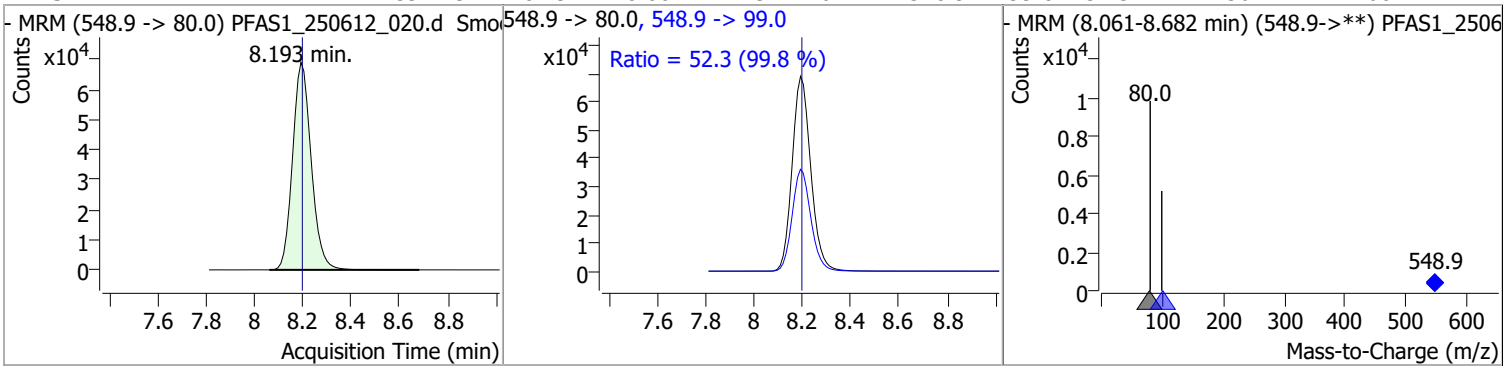


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	73.8825	8.07	0.00	4851561	532.8 -> 353.0	28.4	21.7	40.3

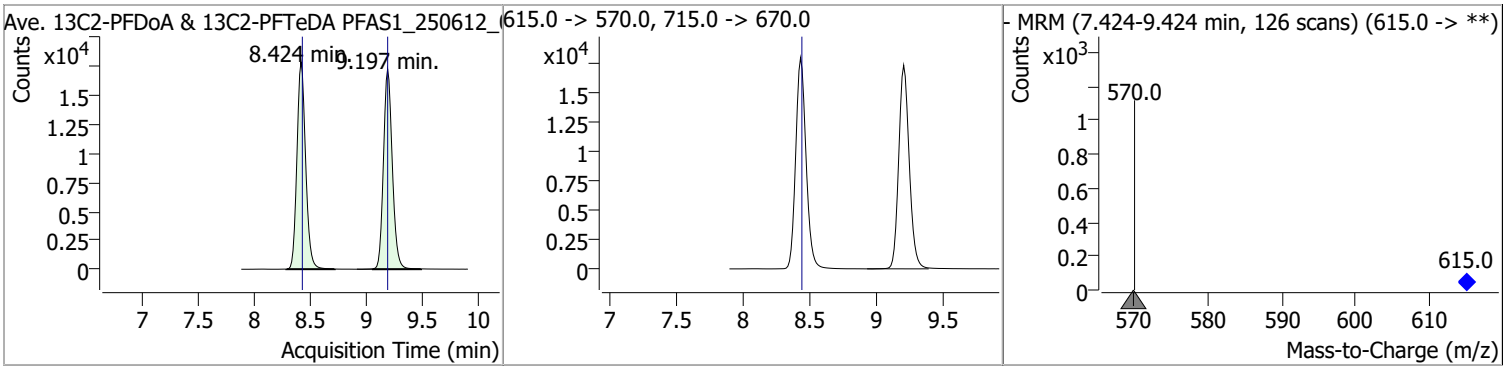


Quantitation Results Report (QT Reviewed)

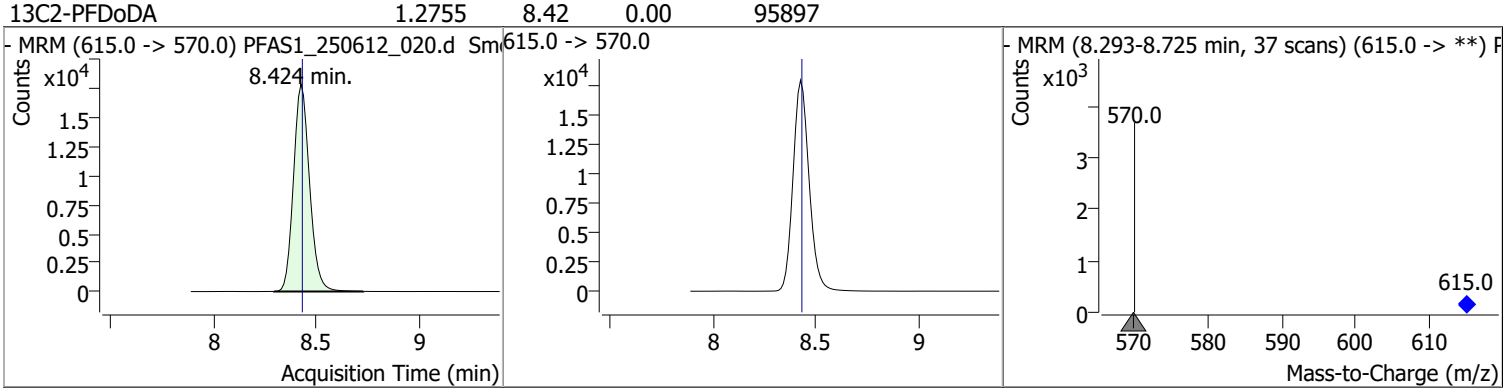
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	39.1452	8.19	0.00	371476	548.9 -> 99.0	52.3	36.7	68.1



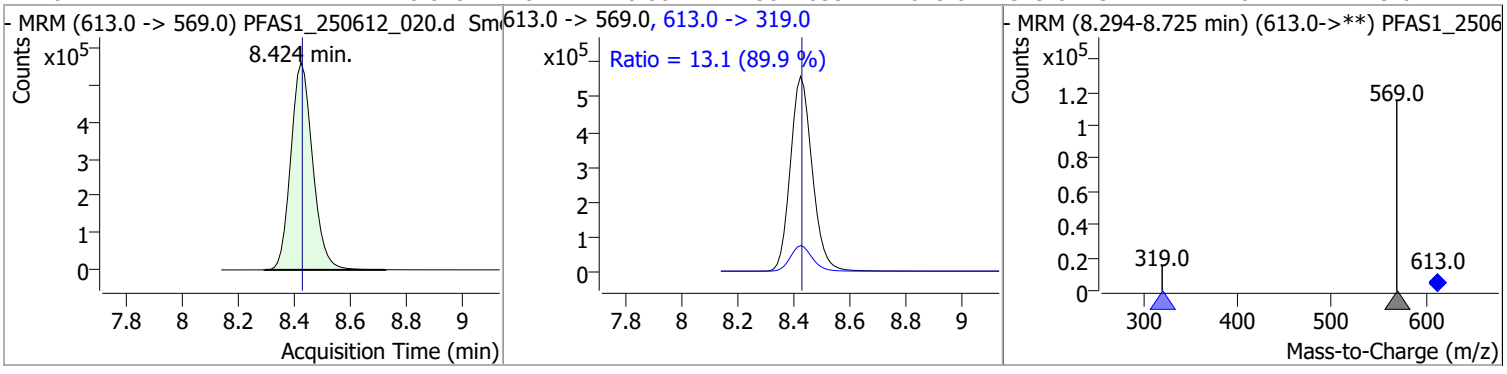
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2811	8.81	0.39	95125				



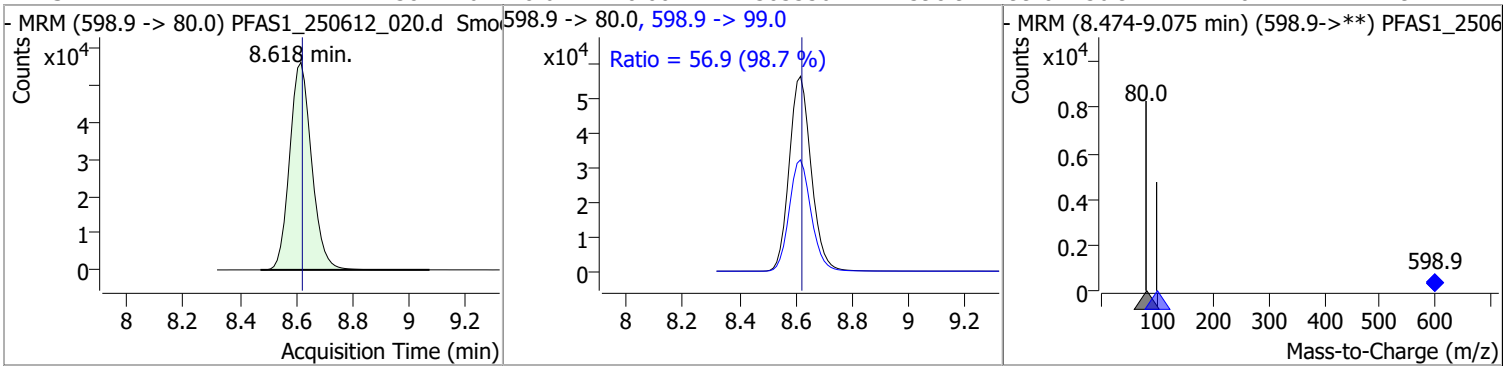
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2755	8.42	0.00	95897				



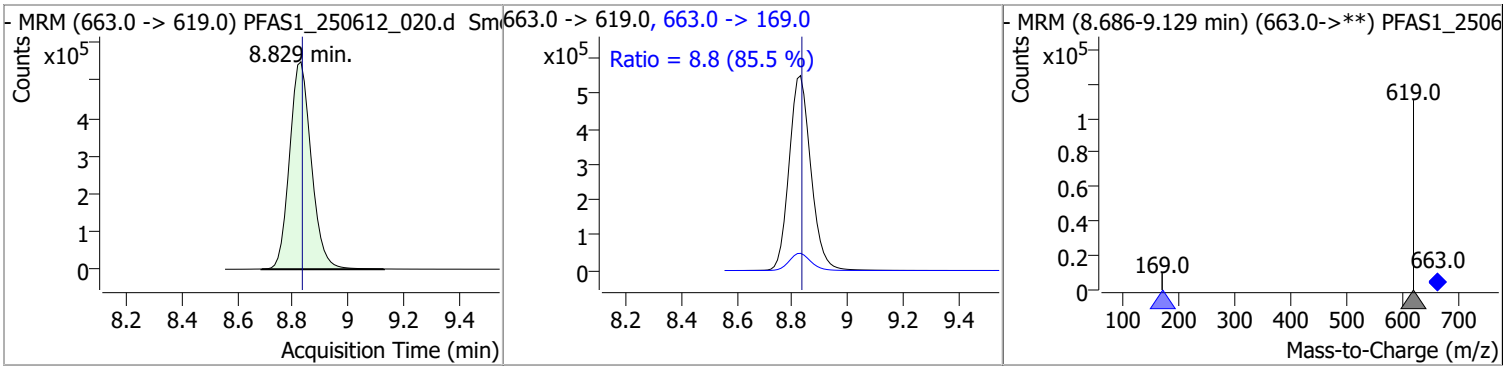
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	40.0784	8.42	0.00	3024035	613.0 -> 319.0	13.1	10.2	19.0



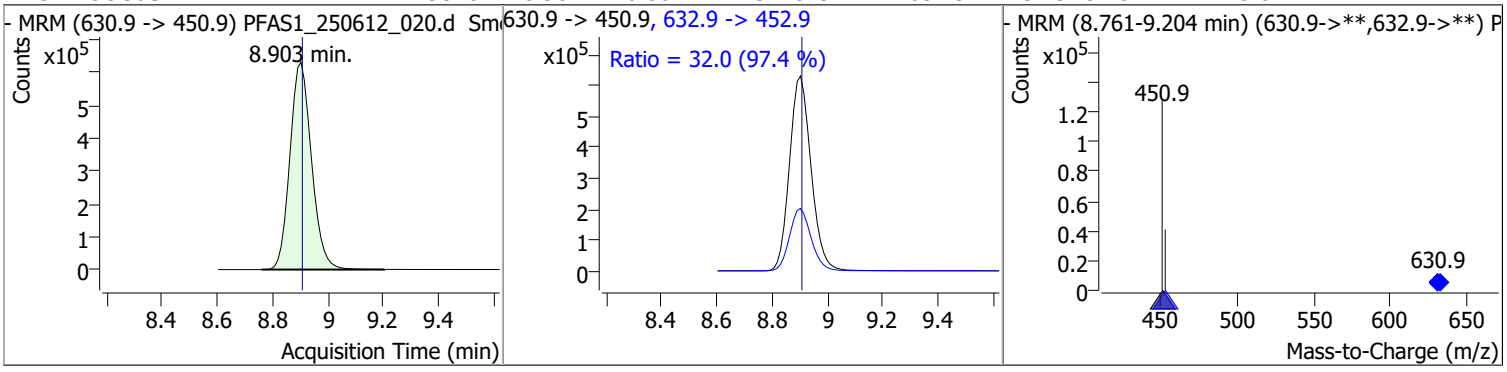
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	38.7726	8.62	0.00	303356	598.9 -> 99.0	56.9	40.4	74.9



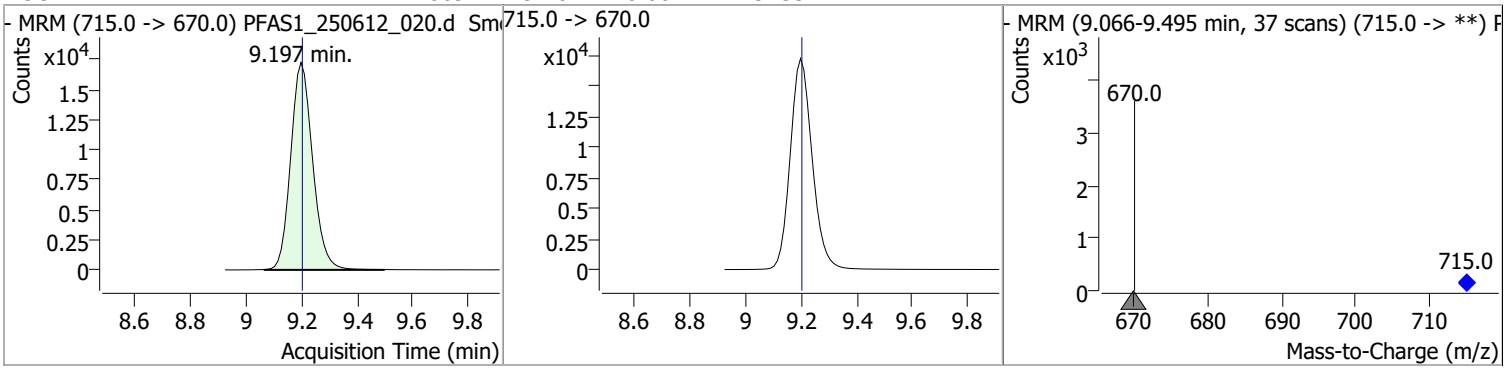
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	39.6695	8.83	0.00	2998752	663.0 -> 169.0	8.8	7.2	13.4



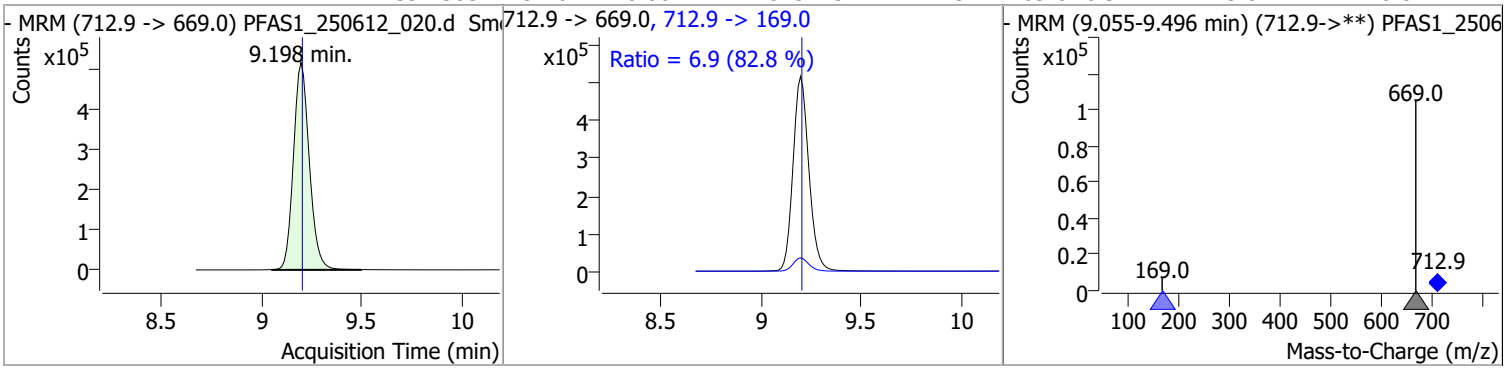
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	74.9528	8.90	0.00	3410797	632.9 -> 452.9	32.0	23.0	42.7



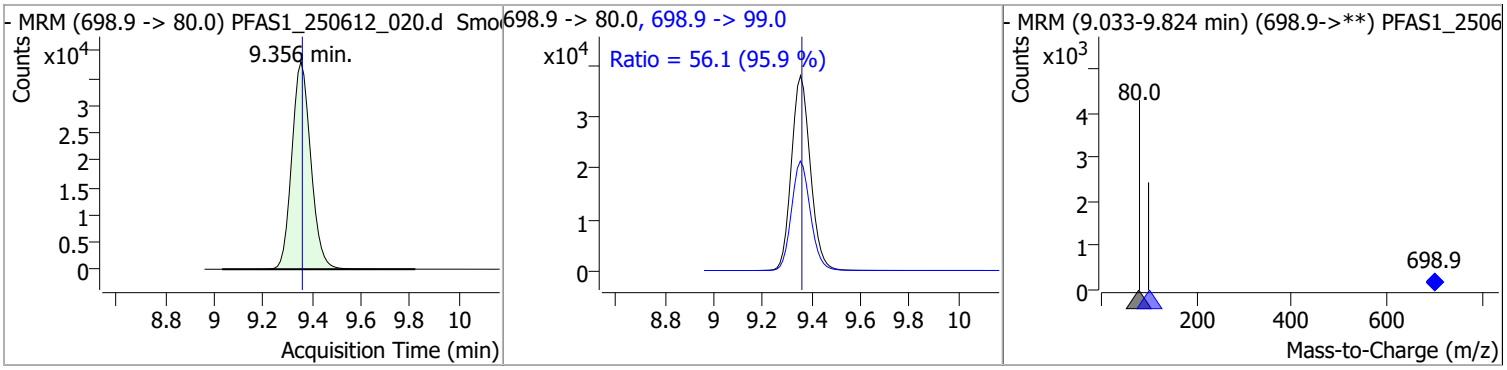
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2869	9.20	0.00	94354				



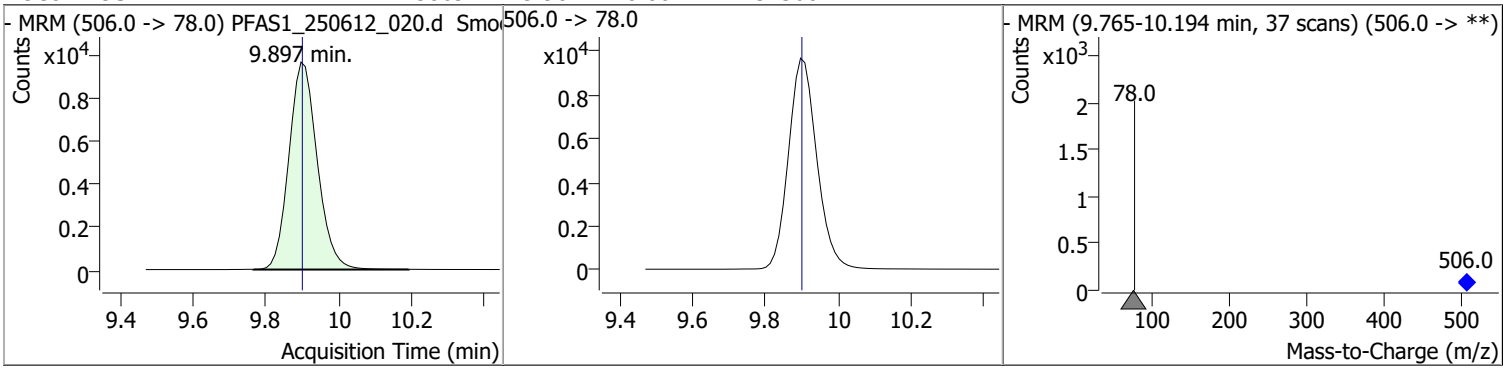
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	39.2583	9.20	0.00	2845223	712.9 -> 169.0	6.9	5.8	10.8



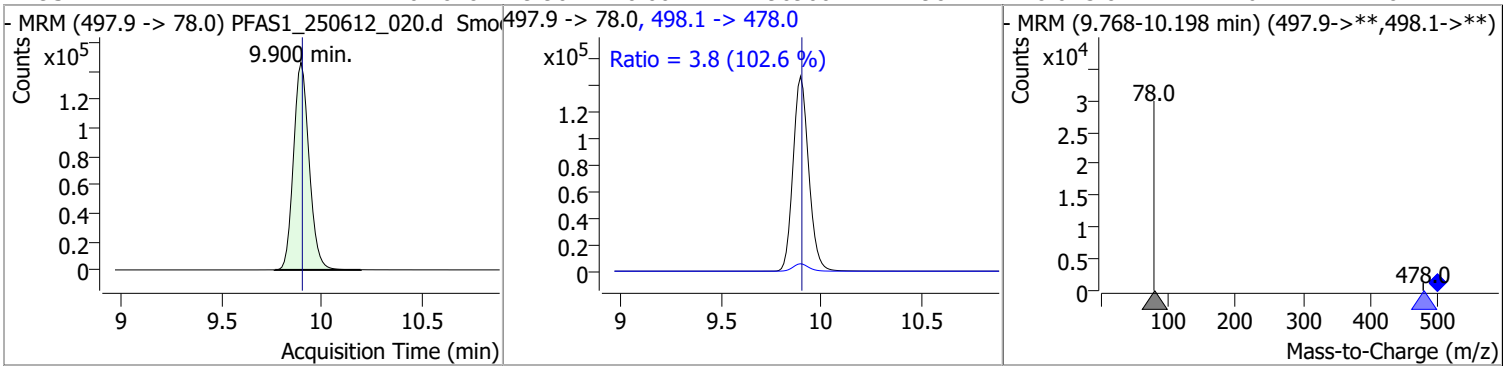
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	39.5999	9.36	0.00	203887	698.9 -> 99.0	56.1	41.0	76.1



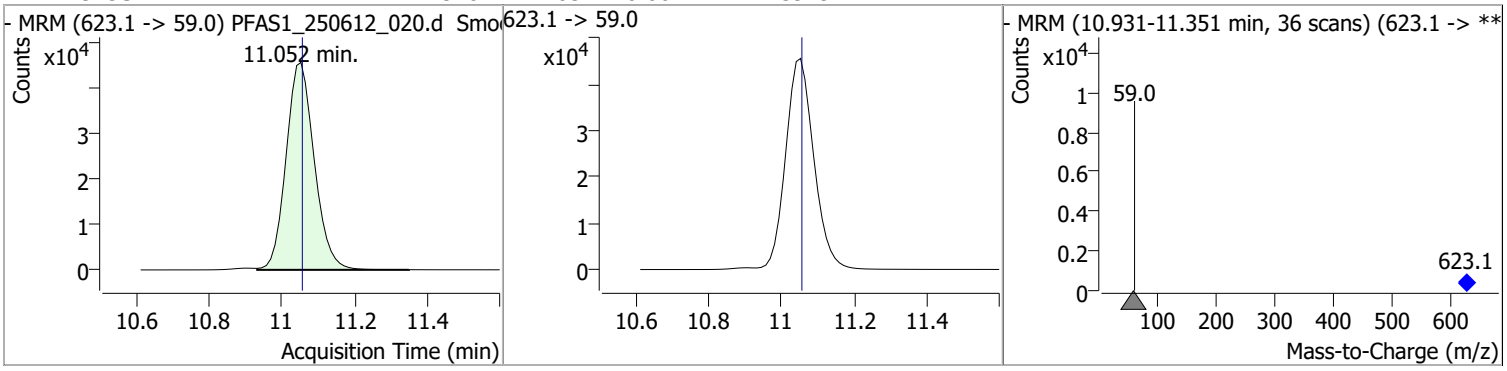
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5869	9.90	0.00	52360				



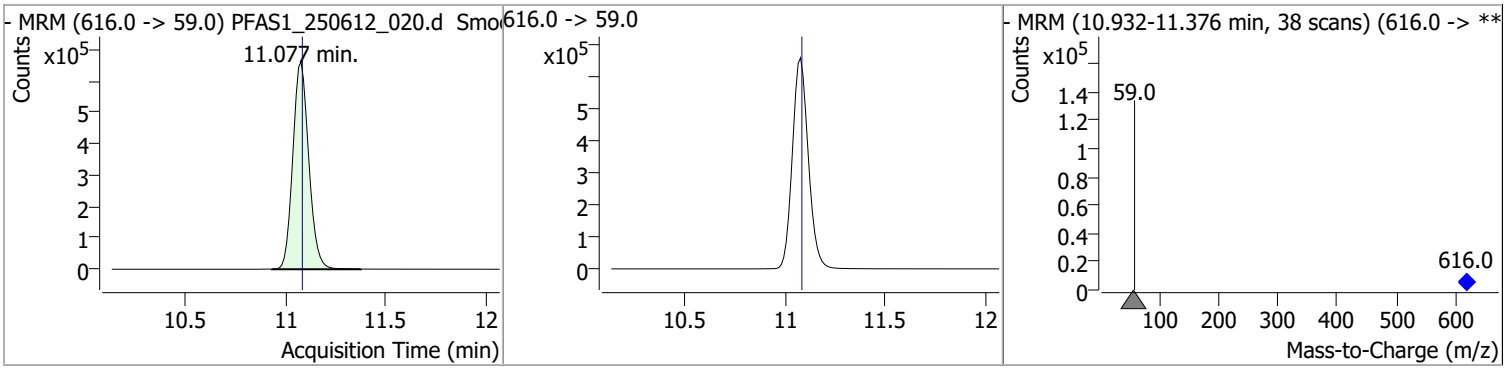
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	40.7848	9.90	0.00	790900	498.1 -> 478.0	3.8	2.6	4.8



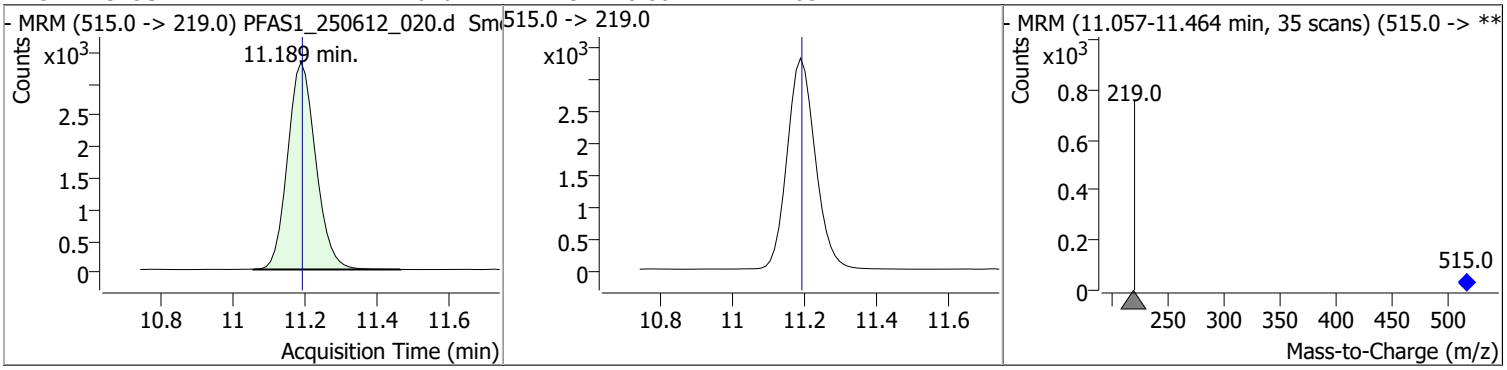
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.2528	11.05	0.00	245949				



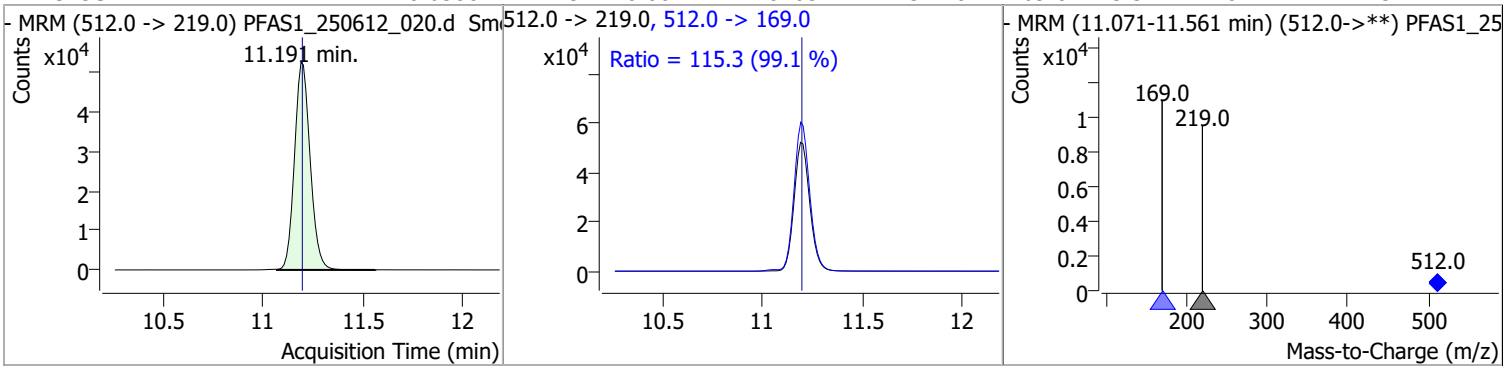
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	387.1498	11.08	0.00	3644086				



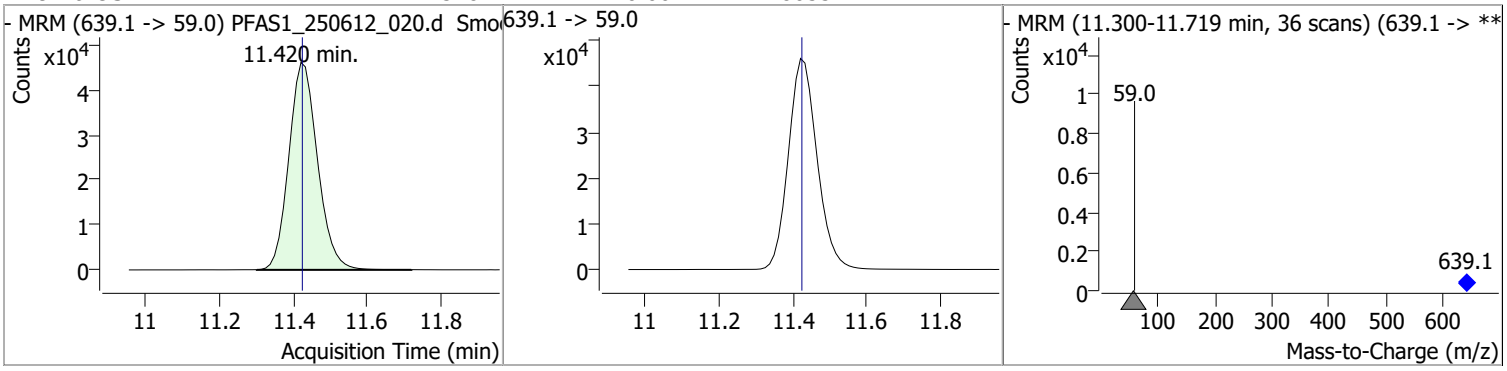
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.6161	11.19	0.00	17783				



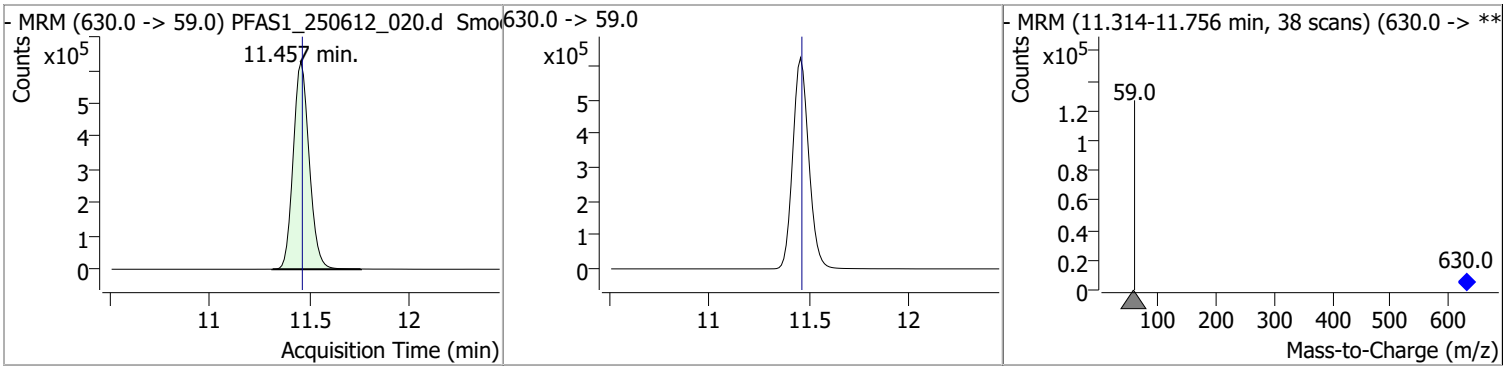
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	40.6388	11.19	0.00	284031	512.0 -> 169.0	115.3	81.4	151.2



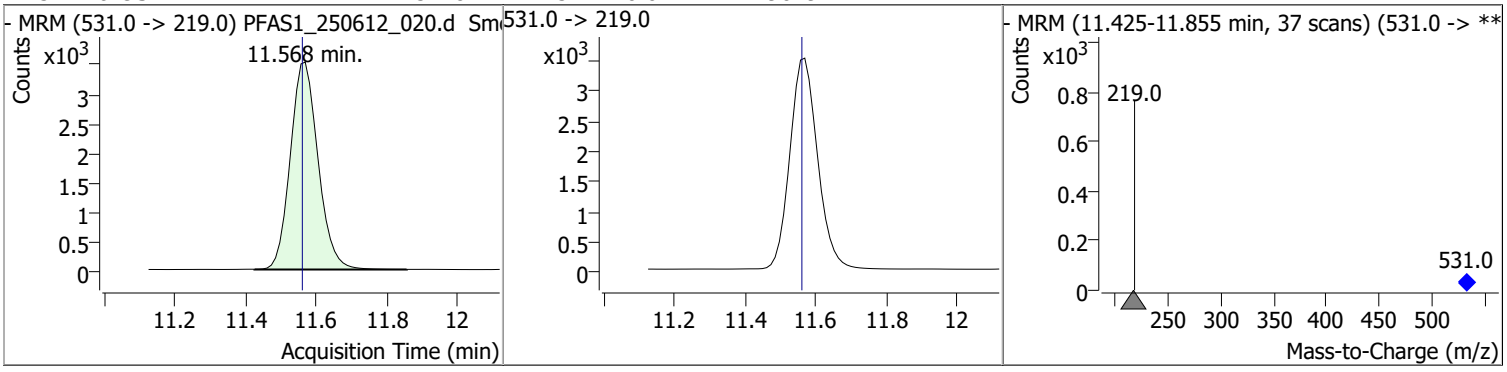
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.4518	11.42	0.00	248055				



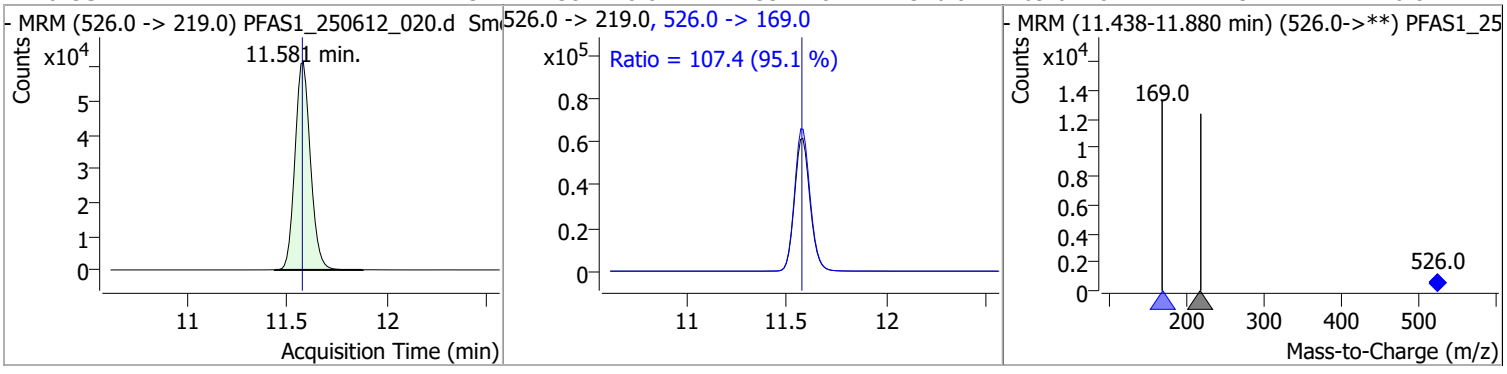
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	375.7921	11.46	0.00	3459600				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.5478	11.57	0.01	19029				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	41.4245	11.58	0.01	334178	526.0 -> 169.0	107.4	79.1	146.8



INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_022.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0485	Injection Date:	06/12/25
Lab Sample ID:	S25F0485-ICV1	Injection Time:	18:23

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
PFBA	L	40.0	38.4	32733.76	33143.525	**96**	70	130
PFPeA	L	20.0	19.0	52422.73	52970.05	**95**	70	130
PFHxA	L	10.0	9.56	73805.26	73964.64	**96**	70	130
PFHpA	L	10.0	9.40	82926.58	83629.98	**94**	70	130
PFOA	L	10.0	9.50	87940.64	87353.37	**95**	70	130
PFNA	L	10.0	9.66	91327.08	91979.71	**97**	70	130
PFDA	L	10.0	9.61	100157.4	100252.3	**96**	70	130
PFUnA	L	10.0	9.64	90384.45	91735.08	**96**	70	130
PFDoA	L	10.0	9.73	78492.77	78563.05	**97**	70	130
PFTrDA	L	10.0	9.70	77601.33	77417.36	**97**	70	130
PFTeDA	L	10.0	9.68	74138.76	73090.37	**97**	70	130
PFBS	L	8.85	8.51	18895.72	19143.197740113	**96**	70	130
PFPeS	L	9.40	9.30	13159.76	3434.553191489	**99**	70	130
PFHxS	L	9.15	8.92	11100.11	0990.251366120	**98**	70	130
PFHpS	L	9.55	9.47	10112.68	10135.354973822	**99**	70	130
PFOS	L	9.30	9.19	11292.07	1034.602150537	**99**	70	130
PFNS	L	9.60	9.66	10472.08	10575.9375	**101**	70	130
PFDS	L	9.65	9.58	8453.186	594.3005181347	**99**	70	130
PFDoS	L	9.70	9.43	5542.4	5534.0206185567	**97**	70	130
4:2FTS	L	37.5	36.6	10960.44	0683.802666666	**98**	70	130
6:2FTS	L	38.0	37.7	9595.639	535.2394736842	**99**	70	130
8:2FTS	L	38.4	40.4	8734.04	021.2682291666	**105**	70	130
PFOSA	L	10.0	9.58	20158.27	19911.78	**96**	70	130
NMeFOSA	L	10.0	9.84	7200.237	7205.123	**98**	70	130
NEtFOSA	L	10.0	9.52	8405.457	8404.925	**95**	70	130
NMeFOSAA	L	10.0	9.66	16392.62	16453.4	**97**	70	130
NEtFOSAA	L	10.0	9.97	14253.88	14290.16	**100**	70	130
NMeFOSE	L	100	98.7	10598.36	10689.13	**99**	70	130
NEtFOSE	L	100	100	10423.39	10396.3	**100**	70	130
HFPO-DA	L	20.0	19.4	22257.3	22186.49	**97**	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_022.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0485	Injection Date:	06/12/25
Lab Sample ID:	S25F0485-ICV1	Injection Time:	18:23

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
ADONA	L	18.9	18.1	101087.7	00747.93650793	96	70	130
9CL-PF3ONS	L	18.7	18.7	71625.12	3283.315508021	100	70	130
11CL-PF3OUdS	L	18.9	18.5	49394.22	9728.788359788	98	70	130
3:3FTCA	L	40.0	37.4	1304.648	1293.5535	94	70	130
5:3FTCA	L	200	187	6264.859	6282.28	93	70	130
7:3FTCA	L	200	183	6915.942	6797.895	91	70	130
PFEESA	L	17.8	17.2	54691.85	4902.353932584	97	70	130
PFMPA	L	20.0	19.0	24782.15	25015.16	95	70	130
PFMBA	L	20.0	19.0	33405.86	33888.015	95	70	130
NFDHA	L	20.0	19.5	2846.614	2862.828	97	70	130
13C4-PFBA	A	10.0	9.87	1.15441	.1390040523410	99	70	130
13C5-PFPeA	A	5.00	5.01	0.754645	7558352334093	100	70	130
13C5-PFHxA	A	2.50	2.49	1.029963	.0270005443074	100	70	130
13C4-PFHpA	A	2.50	2.52	1.193766	.2046649723131	101	70	130
13C8-PFOA	A	2.50	2.48	11.19502	1.083155664459	99	70	130
13C9-PFNA	A	1.25	1.22	1.024979	.0011126351000	98	70	130
13C6-PFDA	A	1.25	1.22	1.06149	.0356616113376	98	70	130
13C7-PFUnA	A	1.25	1.24	0.9216579	91331018808741	99	70	130
13C2-PFDoA	A	1.25	1.22	0.8017501	77971667969821	97	70	130
AVE 13C2-PFTeDA & 13C2-PFDoA	A	1.25	1.21	0.7918246	76368901482253	96	70	130
13C2-PFTeDA	A	1.25	1.20	0.7818992	74766043811838	96	70	130
13C3-PFBS	A	2.50	2.55	1.810213	.8479555447345	102	70	130
13C3-PFHxS	A	2.50	2.45	1.147619	.1250725814866	98	70	130
13C8-PFOS	A	2.50	2.42	0.9907137	95790784796910	97	70	130
13C2-4:2FTS	A	5.00	4.81	0.3410825	32845030597776	96	70	130
13C2-6:2FTS	A	5.00	4.87	0.2390102	23275793281378	97	70	130
13C2-8:2FTS	A	5.00	4.72	0.2617047	24683597913908	94	70	130
13C8-PFOSA	A	2.50	2.46	2.195459	.1559886537236	98	70	130
D3-NMeFOSA	A	2.50	2.43	0.7373179	.7152445437307	97	70	130
D5-NEtFOSA	A	2.50	2.47	0.8101407	80073773826796	99	70	130

INITIAL CALIBRATION VERIFICATION

E1633

Laboratory	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_022.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0485	Injection Date:	06/12/25
Lab Sample ID:	S25F0485-ICV1	Injection Time:	18:23

		CONC. (ug/L)		RESPONSE FACTOR			ICV	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	% Rec	Lower Limit	Upper Limit
D3-NMeFOSAA	A	5.00	4.97	1.866674	.8560519871337	99	70	130
D5-NEtFOSAA	A	5.00	4.76	1.495826	1.4247764138704	95	70	130
D7-NMeFOSE	A	25.0	24.7	1.099985	.0860658821000	99	70	130
D9-NEtFOSE	A	25.0	24.3	1.100376	.0715084099091	97	70	130
13C3-HFPO-DA	A	10.0	9.78	0.3105434	30383581414685	98	70	130

A = Average Response Factor

Q = Quadratic Regression

L = Linear Regression

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_022.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 6:23:20 PM
Sample Name	SEQ-ICV	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File		Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

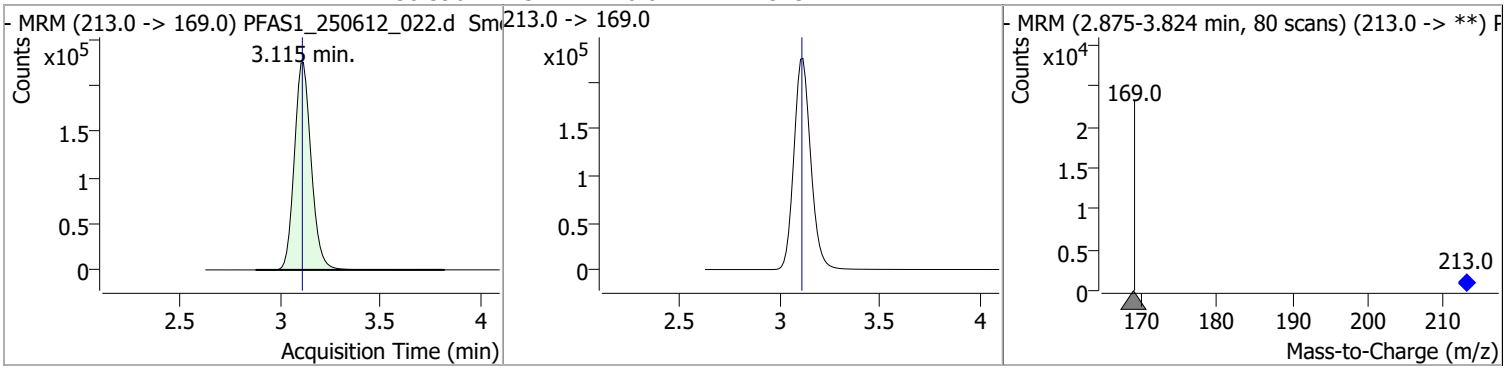
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.111	216.0 -> 172.0	166768	5.0000	µg/L	5.431
13C2-PFHxA	5.479	315.0 -> 270.0	186659	2.5000	µg/L	4.468
18O2-PFHxS	6.796	403.0 -> 84.0	24438	2.5000	µg/L	3.990
13C4-PFOA	6.663	417.0 -> 172.0	21111	2.5000	µg/L	4.537
13C5-PFNA	7.125	468.0 -> 423.0	126277	1.2500	µg/L	5.514
13C2-PFDA	7.576	515.0 -> 470.0	131604	1.2500	µg/L	5.172
13C4-PFOS	7.757	503.0 -> 80.0	26053	2.5000	µg/L	4.353
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	379898	10.0000	µg/L	4.084
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.67%		
13C4-PFBA	3.107	217.0 -> 172.0	379898	10.0000	µg/L	4.084
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.67%		
13C5-PFPeA	4.594	268.0 -> 223.0	282167	5.0000	µg/L	4.597
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.16%		
13C5-PFPeA	4.594	268.0 -> 223.0	282167	5.0000	µg/L	4.597
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.16%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	16053	5.0000	µg/L	-0.381
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.30%		
13C5-PFHxA	5.478	318.0 -> 273.0	191699	2.5000	µg/L	4.185
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.71%		
13C5-PFHxA	5.478	318.0 -> 273.0	191699	2.5000	µg/L	4.185
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.71%		
13C3-PFBS	5.494	302.0 -> 80.0	45160	2.5000	µg/L	5.944
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.08%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	226855	10.0000	µg/L	2.246
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.84%		
13C4-PFHpA	6.142	367.0 -> 322.0	224862	2.5000	µg/L	5.471
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.91%		
13C3-PFHxS	6.797	402.0 -> 80.0	27495	2.5000	µg/L	1.902
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.04%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	11376	5.0000	µg/L	0.880
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.38%		
13C8-PFOA	6.662	421.0 -> 376.0	233981	2.5000	µg/L	3.579
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.00%		
13C3-PFHxS	6.797	402.0 -> 80.0	27495	2.5000	µg/L	1.902
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.04%		
13C9-PFNA	7.125	472.0 -> 427.0	126417	1.2500	µg/L	3.028
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.67%		
13C8-PFOS	7.756	507.0 -> 80.0	24956	2.5000	µg/L	0.856
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.69%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12064	5.0000	µg/L	-1.980
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 94.32%		
13C6-PFDA	7.575	519.0 -> 474.0	136297	1.2500	µg/L	2.553
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.57%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	96710	5.0000	µg/L	4.055

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.43%		
13C8-PFOS	7.756	507.0 -> 80.0	24956	2.5000	µg/L	0.856
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.69%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	74238	5.0000	µg/L	-0.406
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.25%		
13C7-PFUnDA	7.999	570.0 -> 525.0	120195	1.2500	µg/L	4.188
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.09%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	100504	1.2500	µg/L	1.516
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 96.45%		
13C2-PFDoDA	8.424	615.0 -> 570.0	102614	1.2500	µg/L	2.357
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.25%		
13C2-PFTDA	9.197	715.0 -> 670.0	98395	1.2500	µg/L	0.653
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 95.62%		
13C8-PFOSA	9.909	506.0 -> 78.0	56169	2.5000	µg/L	2.696
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.20%		
2H7-MeFOSE	11.052	623.1 -> 59.0	282948	25.0000	µg/L	2.999
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 98.73%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18634	2.5000	µg/L	1.528
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.01%		
2H9-EtFOSE	11.420	639.1 -> 59.0	279156	25.0000	µg/L	1.594
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 97.38%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	20861	2.5000	µg/L	3.290
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.84%		
Target Compounds						QValue
PFBA	3.115	213.0 -> 169.0	1325741	38.3967	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 95.99%		
PFMPA	3.806	229.0 -> 85.0	500303	18.9719	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 94.86%		
3-3 FTCA	4.042	241.0 -> 177.0	51742	37.4223	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 93.56%		
PFPeA	4.596	263.0 -> 219.0	1059401	19.0442	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.22%		
PFMBA	4.910	279.0 -> 85.0	677760	19.0149	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.07%		
4-2 FTSA	5.239	327.0 -> 307.0	400643	36.6380	µg/L	97
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 97.70%		
NFDHA	5.390	295.0 -> 201.0	57257	19.4514	µg/L	92
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.26%		
PFHxA	5.480	313.0 -> 269.0	739646	9.5562	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.56%		
PFBS	5.495	298.9 -> 80.0	169417	8.5101	µg/L	99
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 95.94%		
HFPO-DA	5.736	285.0 -> 169.0	443730	19.4150	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.08%		
PFEESA	5.860	314.9 -> 135.0	977262	17.2085	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 96.68%		
5-3 FTCA	6.132	341.0 -> 237.0	1256456	186.6833	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 93.34%		
PFHpA	6.142	363.0 -> 319.0	836300	9.4028	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.03%		
PFPeS	6.240	348.9 -> 80.0	126285	9.2995	µg/L	99
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 98.83%		
DONA	6.333	377.0 -> 251.0	1904136	18.0514	µg/L	96
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 95.51%		

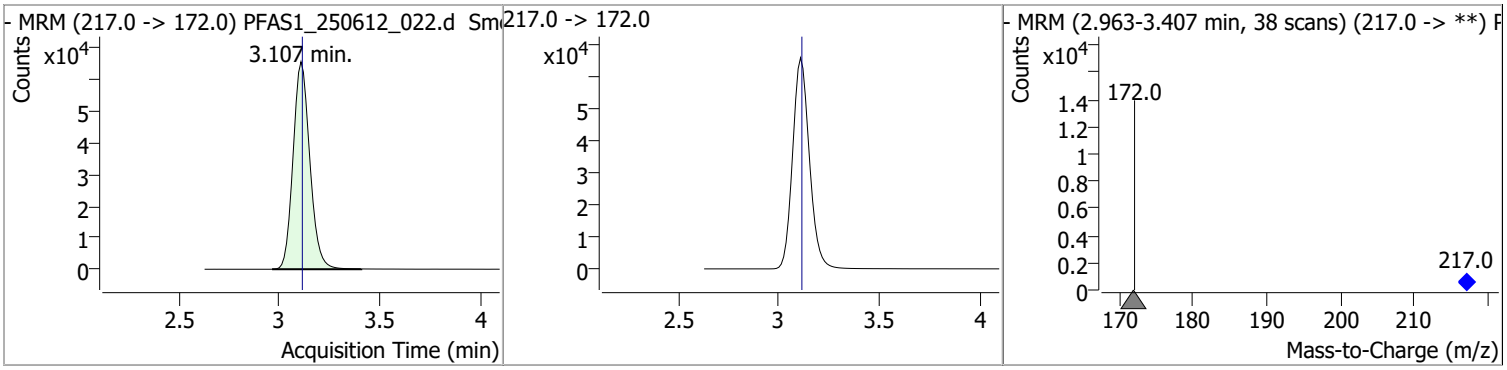
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
6-2 FTSA	6.460	427.0 -> 407.0	362339	37.6856	µg/L	97
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 99.17%		
PFOA	6.663	413.0 -> 369.0	873534	9.5011	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.01%		
PFHxS	6.798	398.9 -> 80.0	100561	8.9219	µg/L	96
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 97.61%		
PFNA	7.138	463.0 -> 419.0	919797	9.6613	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.61%		
PFHpS	7.295	448.9 -> 80.0	96793	9.4699	µg/L	98
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 99.37%		
8-2 FTSA	7.373	527.0 -> 507.0	346417	40.4180	µg/L	98
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 105.26%		
7-3 FTCA	7.474	441.0 -> 317.0	1359579	182.8046	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 91.40%		
PFDA	7.576	513.0 -> 469.0	1002522	9.6081	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.08%		
N-MeFOSAA	7.704	570.0 -> 419.0	164534	9.6622	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.62%		
PFOS	7.758	498.9 -> 80.0	102622	9.1883	µg/L	96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 99.01%		
N-EtFOSAA	7.939	584.0 -> 419.0	142902	9.9728	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.73%		
PFUnDA	8.000	563.0 -> 519.0	917351	9.6409	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	1370398	18.7192	µg/L	96
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 100.10%		
PFNS	8.193	548.9 -> 80.0	101529	9.6558	µg/L	99
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 100.37%		
PFDoDA	8.424	613.0 -> 569.0	785631	9.7346	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.35%		
PFDS	8.618	598.9 -> 80.0	82935	9.5816	µg/L	96
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 99.29%		
PFTrDA	8.829	663.0 -> 619.0	774174	9.7048	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.05%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	939874	18.5330	µg/L	100
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 98.06%		
PFTDA	9.198	712.9 -> 669.0	730904	9.6817	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.82%		
PFDoS	9.356	698.9 -> 80.0	53680	9.4272	µg/L	98
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 97.19%		
PFOSA	9.900	497.9 -> 78.0	199118	9.5754	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.75%		
MeFOSE	11.077	616.0 -> 59.0	1068913	98.6562	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 98.66%		
N-MeFOSA	11.191	512.0 -> 219.0	72051	9.8395	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.40%		
EtFOSE	11.457	630.0 -> 59.0	1039630	100.1900	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 100.19%		
N-EtFOSA	11.581	526.0 -> 219.0	84049	9.5186	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.19%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

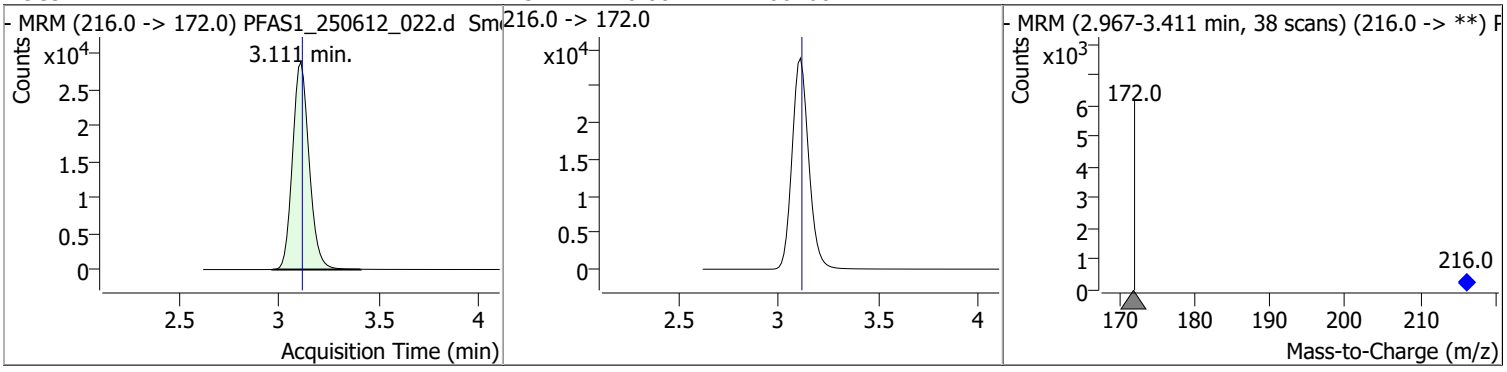
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.3967	3.11	0.01	1325741				



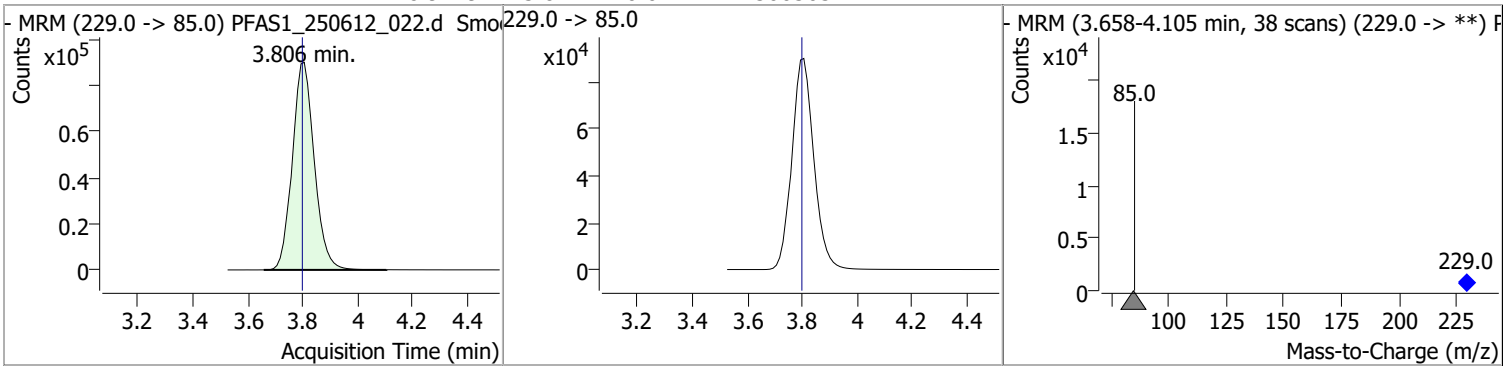
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.8665	3.11	0.00	379898				



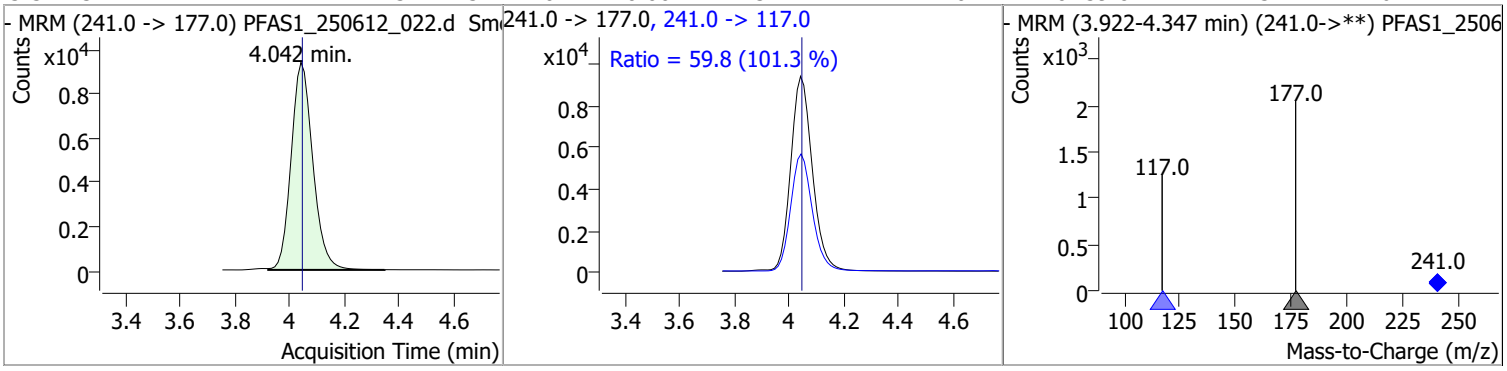
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.11	0.00	166768				



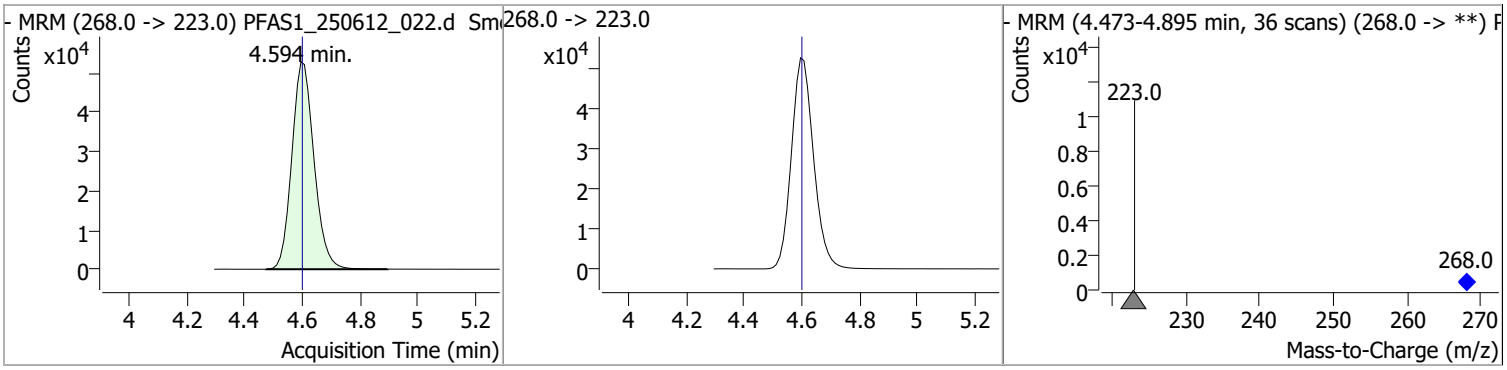
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	18.9719	3.81	0.01	500303				



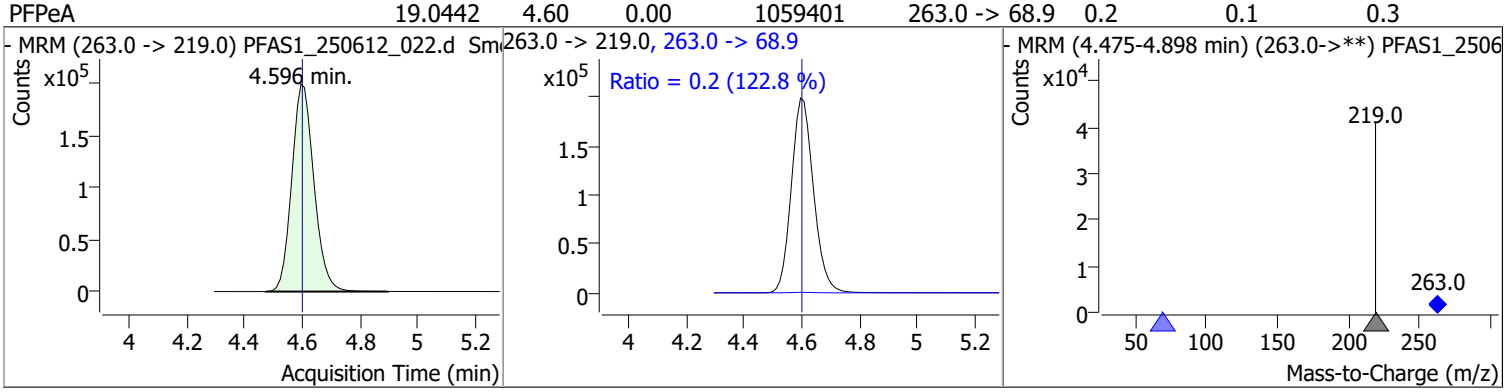
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	37.4223	4.04	0.00	51742	241.0 -> 117.0	59.8	41.3	76.7



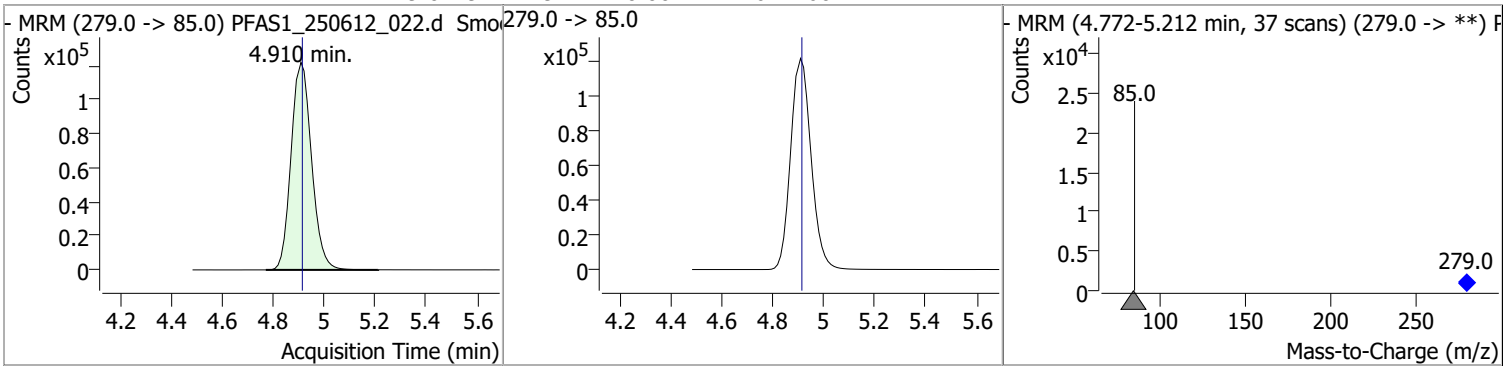
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0079	4.59	0.00	282167				



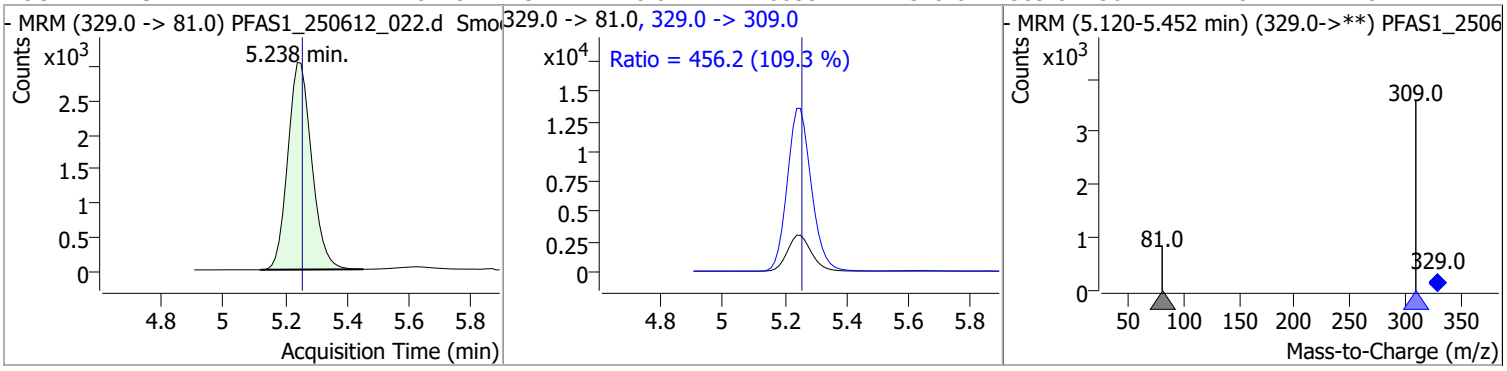
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.0442	4.60	0.00	1059401	263.0 -> 68.9	0.2	0.1	0.3



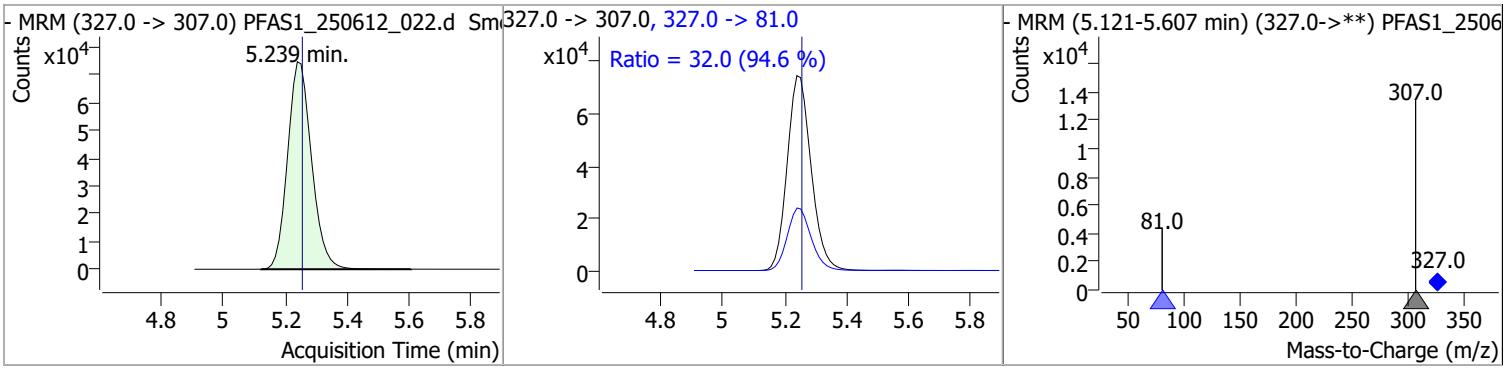
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.0149	4.91	0.00	677760				



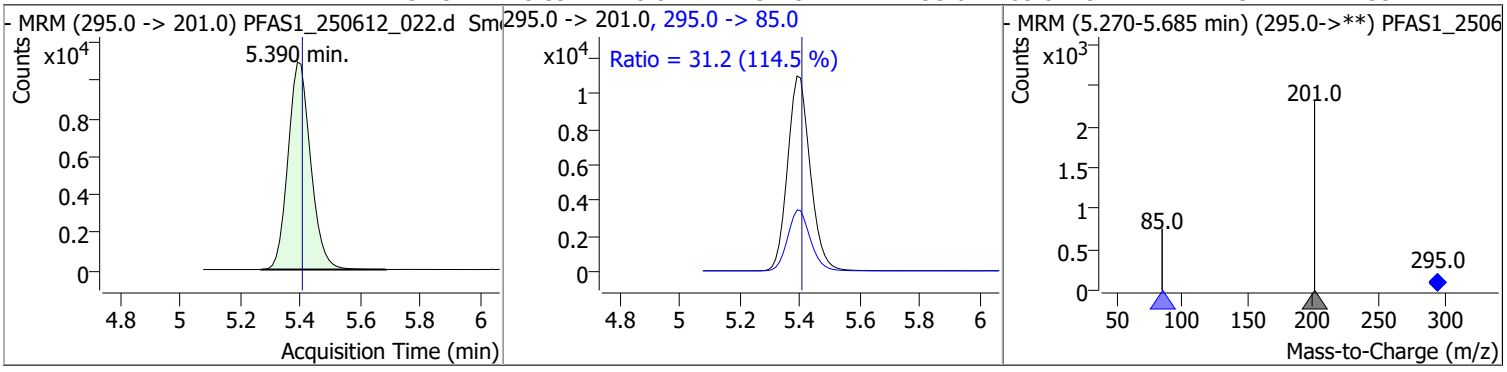
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.8148	5.24	-0.01	16053	329.0 -> 309.0	456.2	292.1	542.4



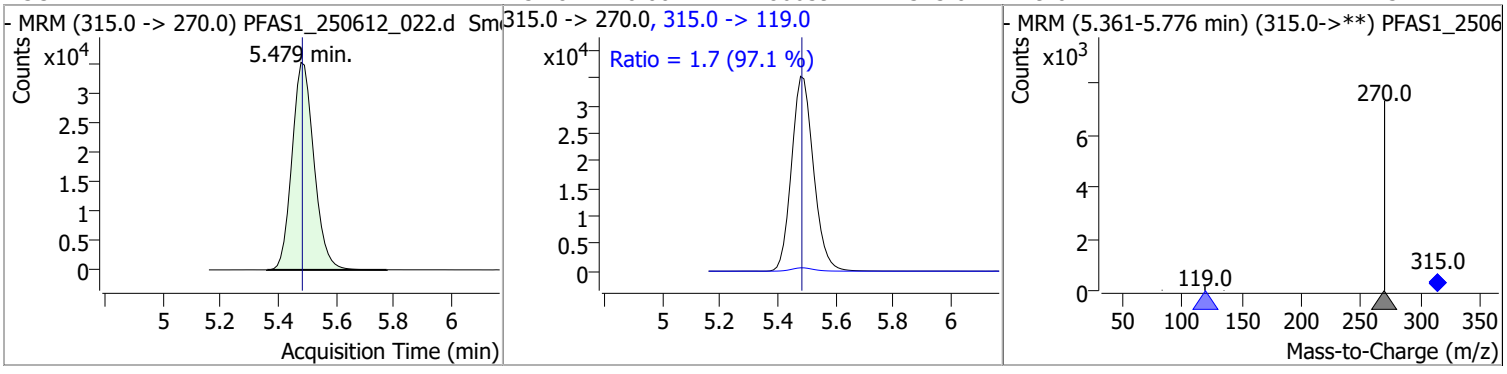
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.6380	5.24	-0.01	400643	327.0 -> 81.0	32.0	23.6	43.9



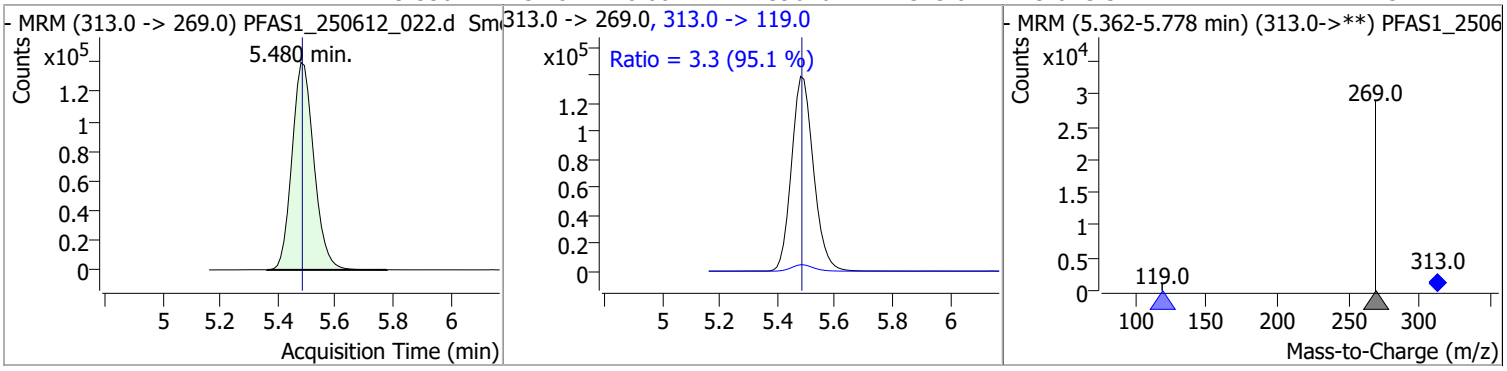
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	19.4514	5.39	-0.01	57257	295.0 -> 85.0	31.2	19.1	35.4



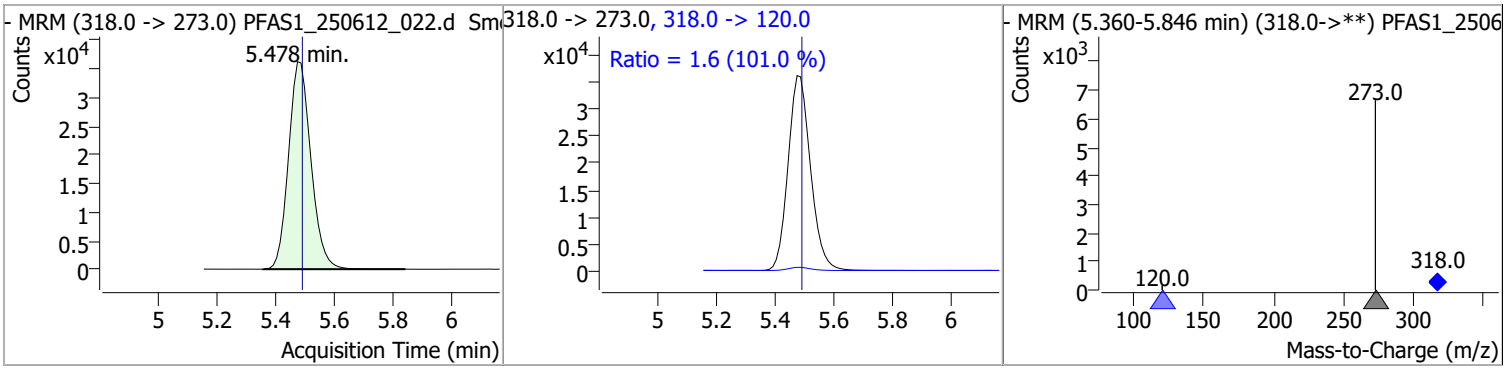
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	186659	315.0 -> 119.0	1.7	1.2	2.3



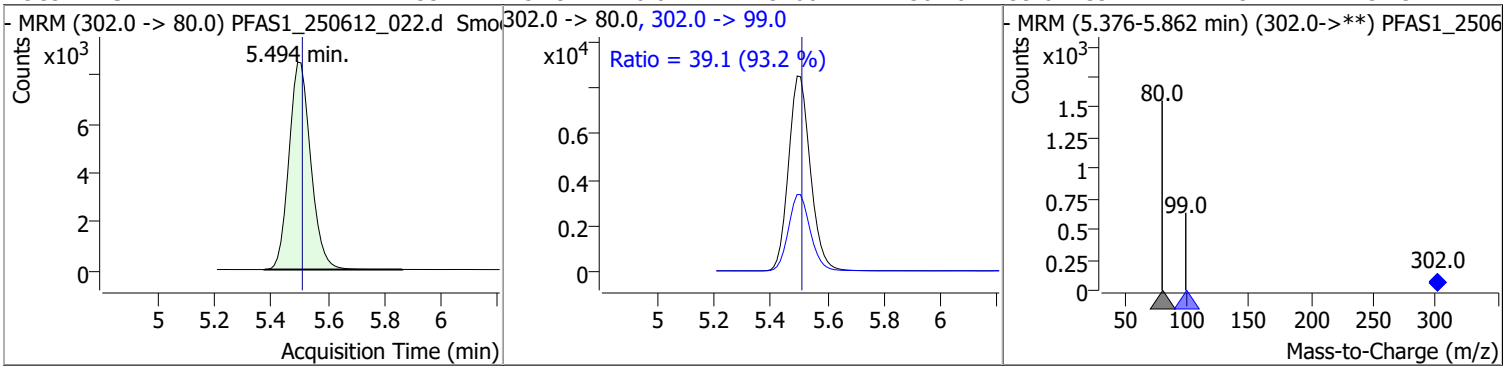
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.5562	5.48	0.00	739646	313.0 -> 119.0	3.3	2.4	4.5



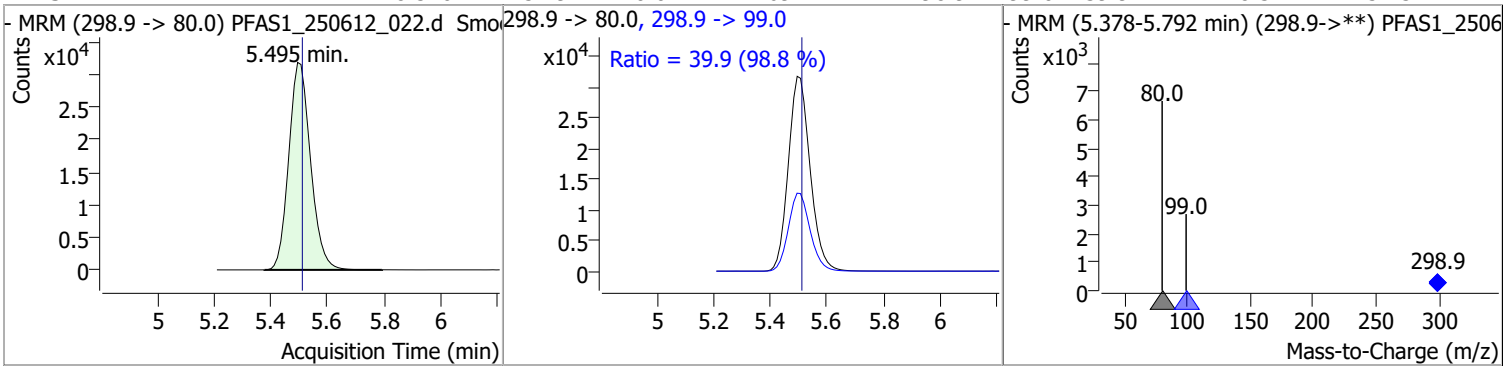
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4928	5.48	-0.01	191699	318.0 -> 120.0	1.6	1.1	2.1



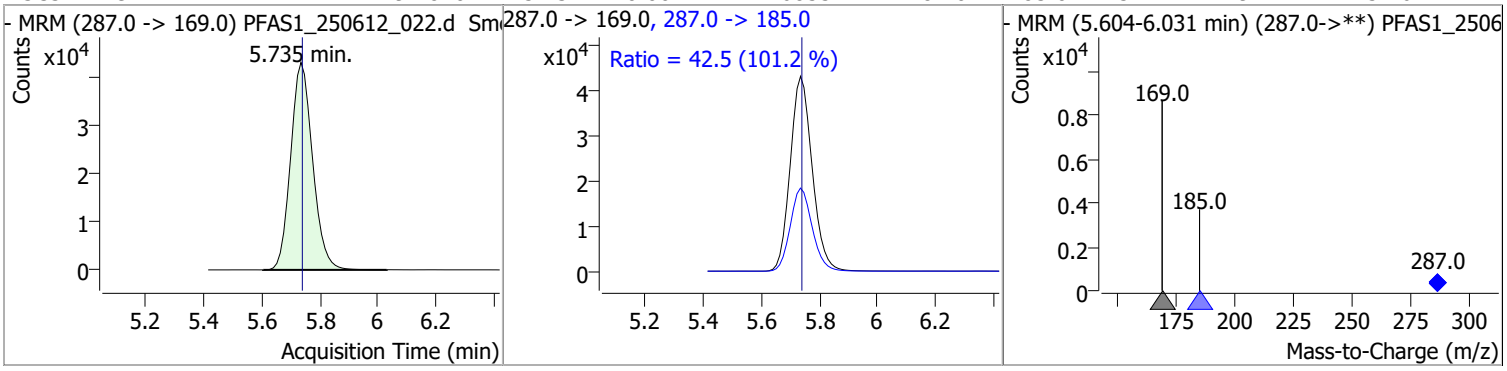
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5521	5.49	-0.01	45160	302.0 -> 99.0	39.1	29.4	54.5



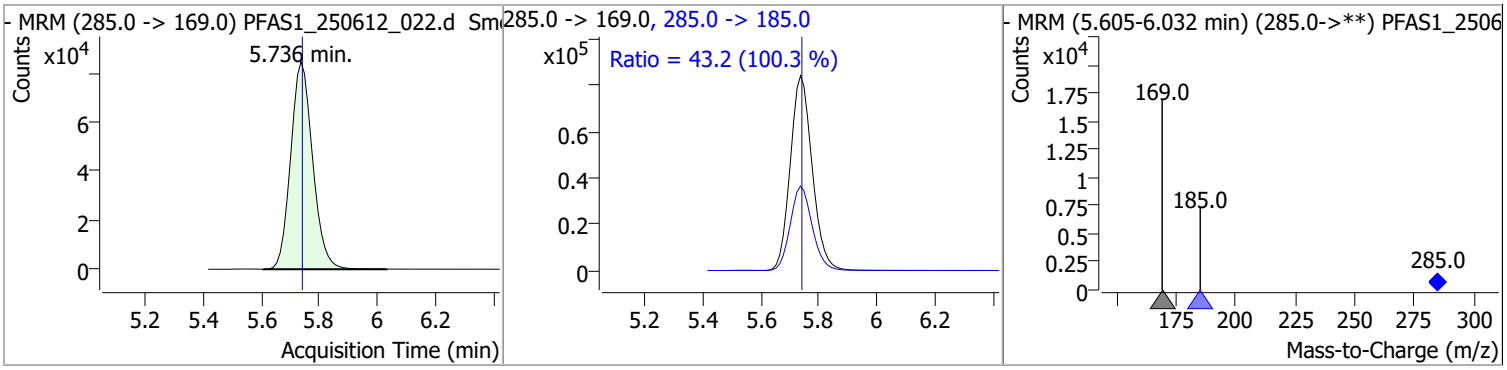
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.5101	5.49	-0.01	169417	298.9 -> 99.0	39.9	28.3	52.5



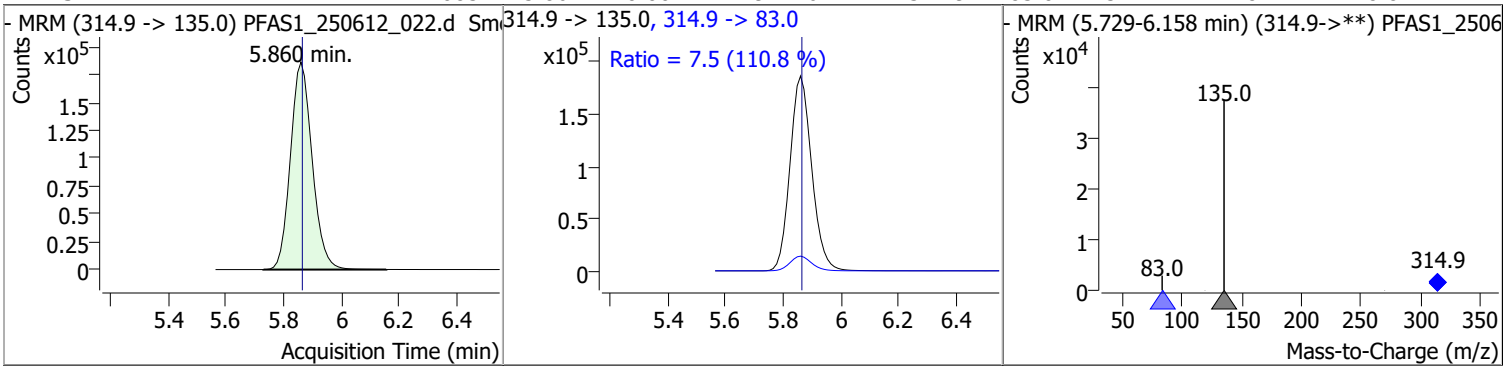
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7840	5.73	0.00	226855	287.0 -> 185.0	42.5	29.4	54.6



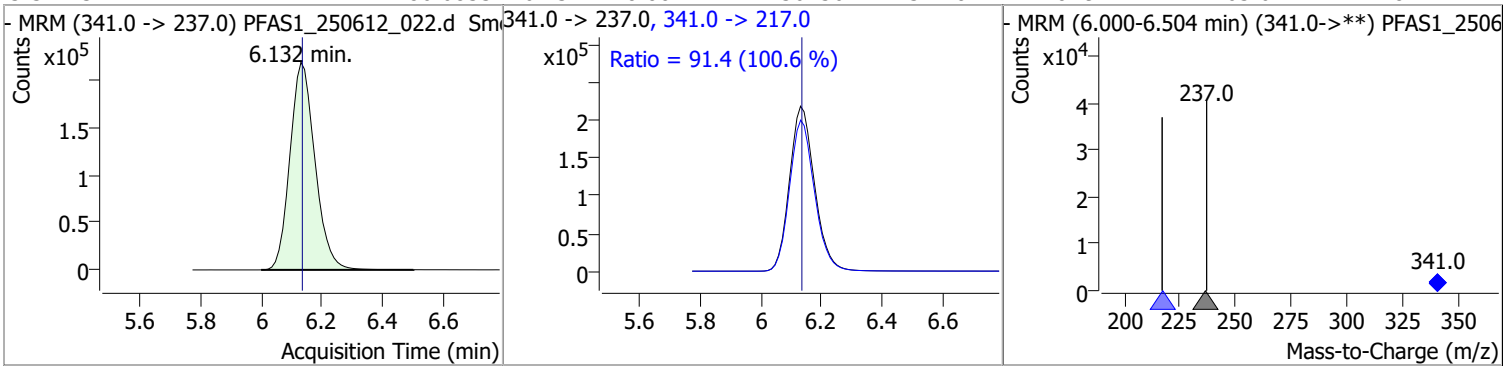
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	19.4150	5.74	0.00	443730	285.0 -> 185.0	43.2	30.1	56.0



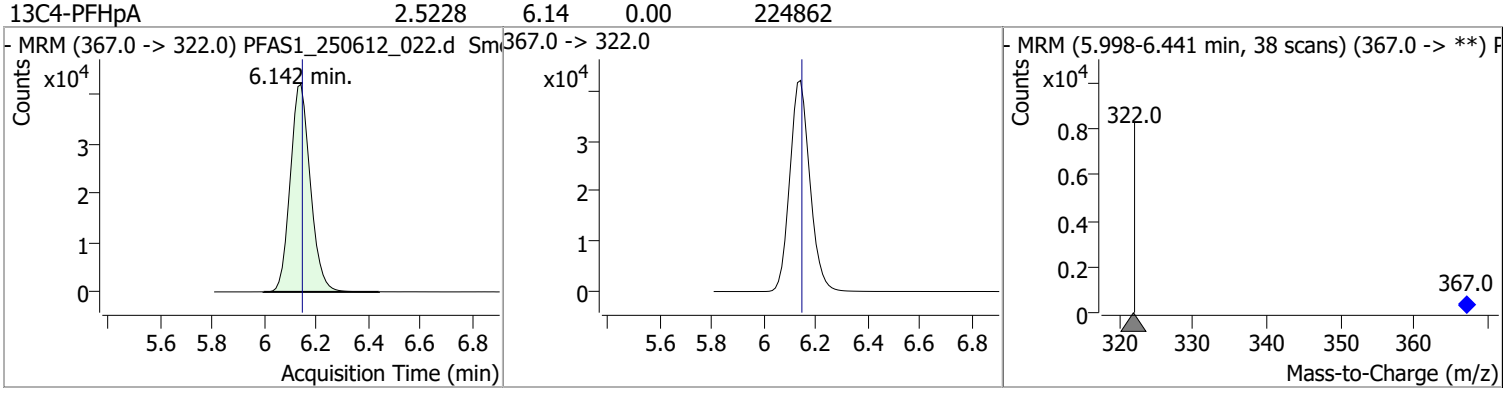
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.2085	5.86	0.00	977262	314.9 -> 83.0	7.5	4.8	8.8



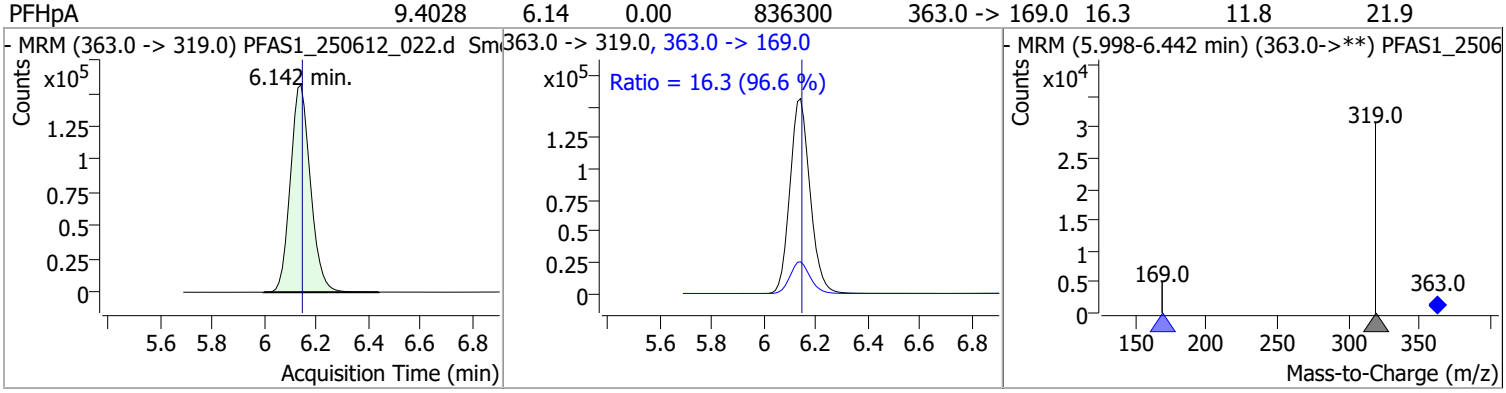
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	186.6833	6.13	0.00	1256456	341.0 -> 217.0	91.4	63.6	118.1



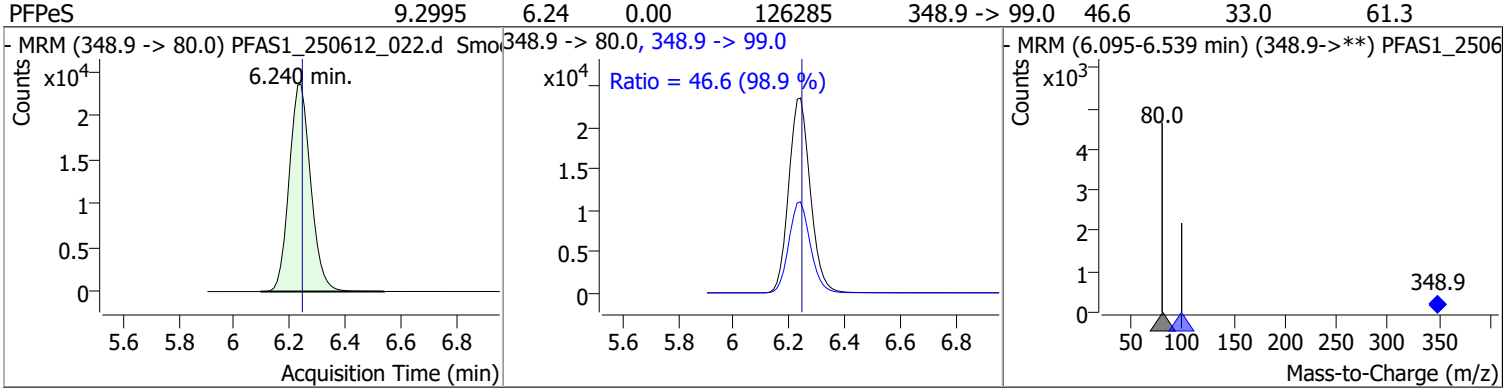
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5228	6.14	0.00	224862				



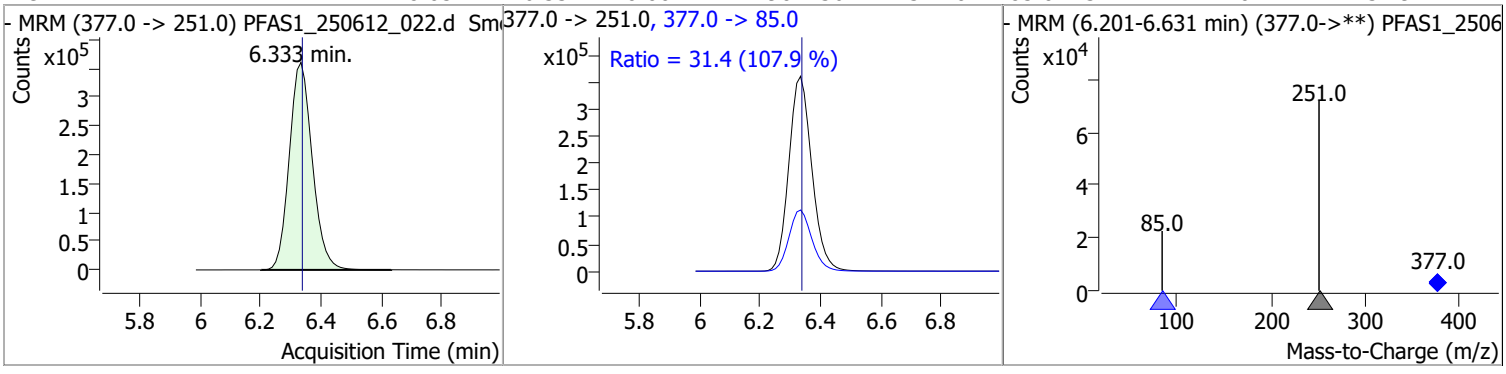
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.4028	6.14	0.00	836300	363.0 -> 169.0	16.3	11.8	21.9



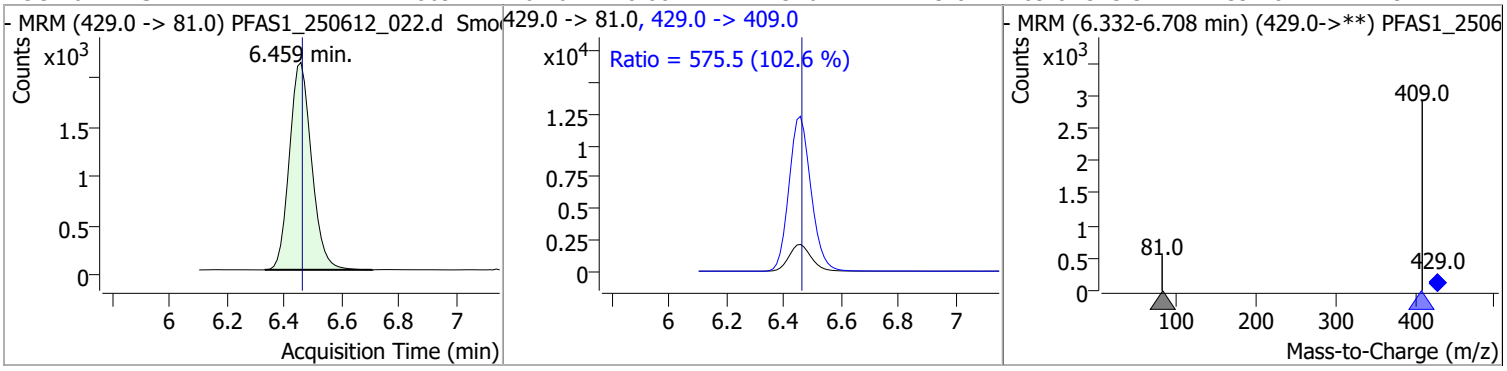
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.2995	6.24	0.00	126285	348.9 -> 99.0	46.6	33.0	61.3



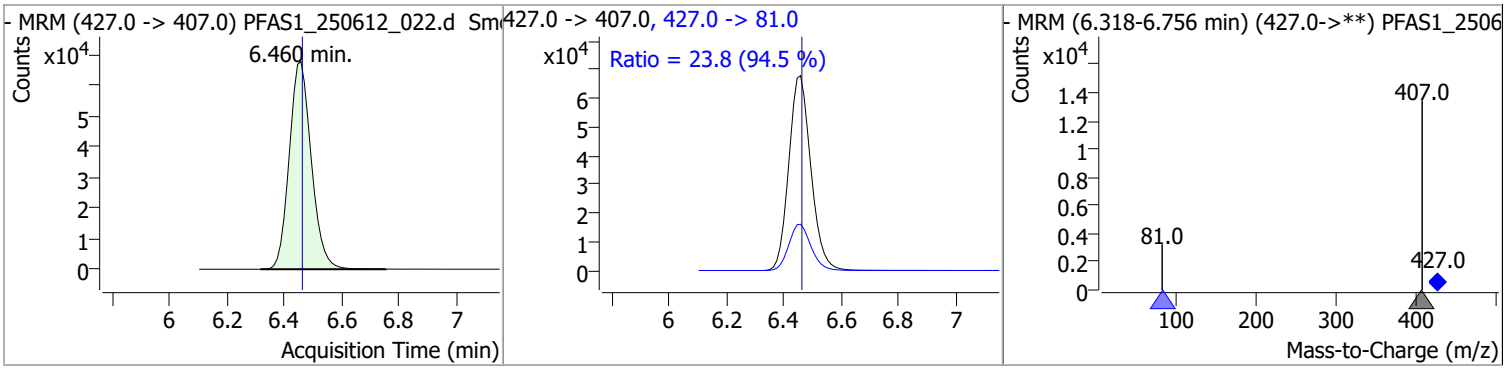
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.0514	6.33	0.00	1904136	377.0 -> 85.0	31.4	20.4	37.9



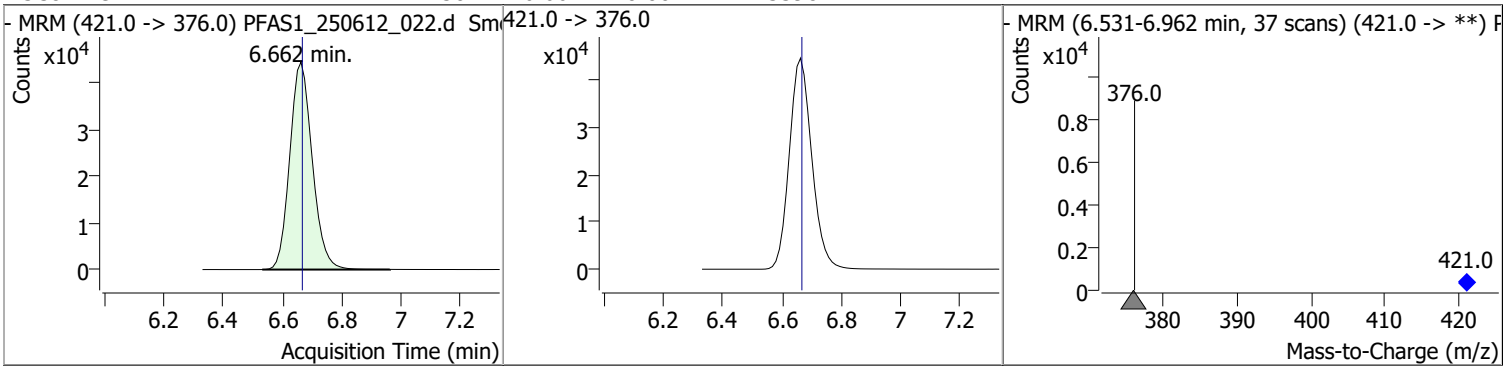
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8692	6.46	0.00	11376	429.0 -> 409.0	575.5	392.8	729.4



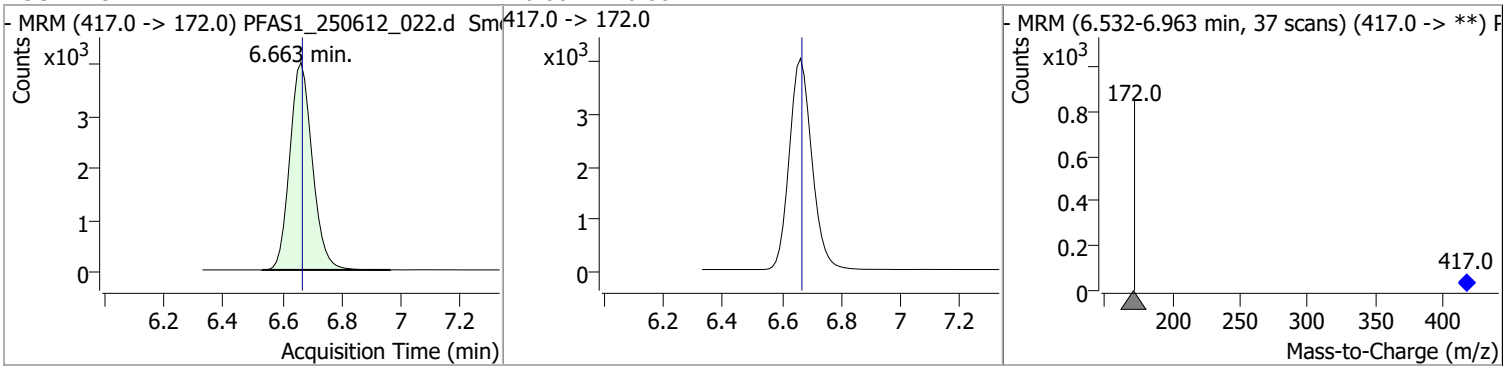
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.6856	6.46	0.00	362339	427.0 -> 81.0	23.8	17.7	32.8



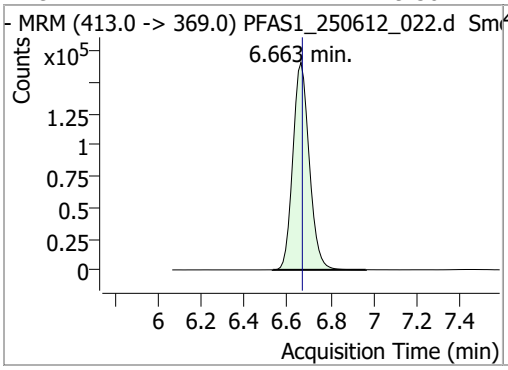
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4750	6.66	0.00	233981				

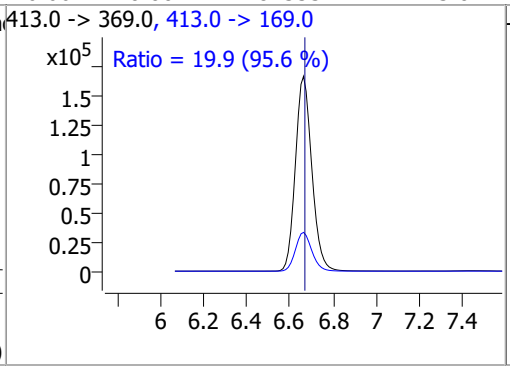


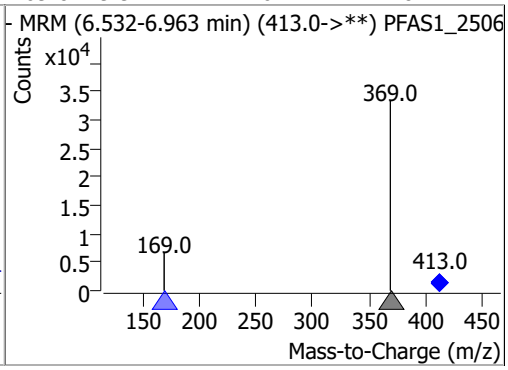
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21111				



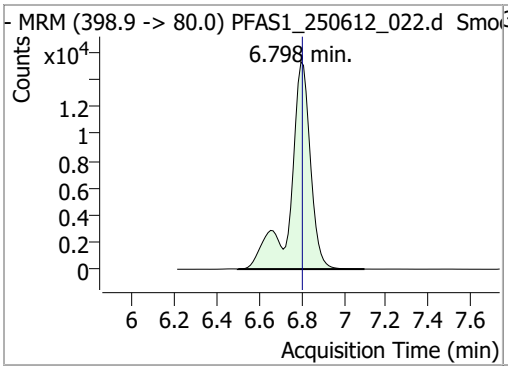
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.5011	6.66	0.00	873534	413.0 -> 169.0	19.9	14.6	27.0

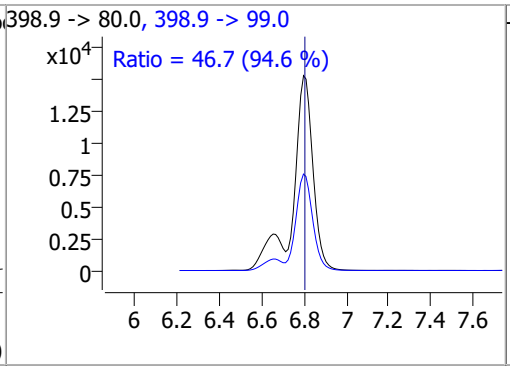


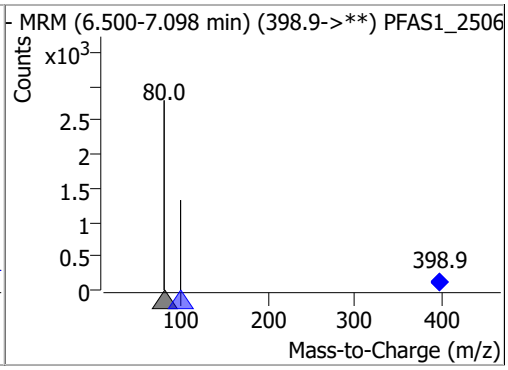




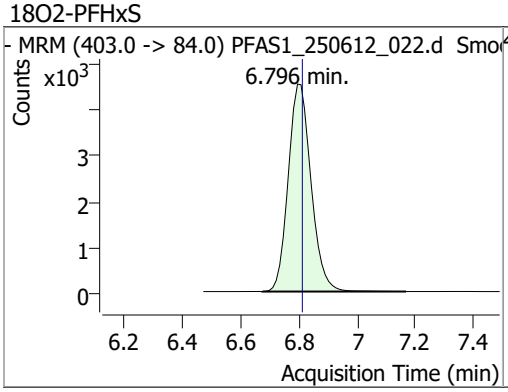
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	8.9219	6.80	0.00	100561	398.9 -> 99.0	46.7	34.6	64.2

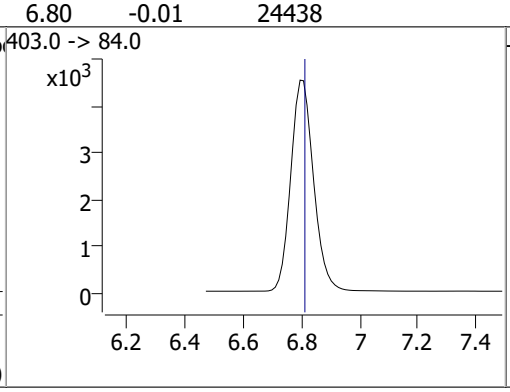


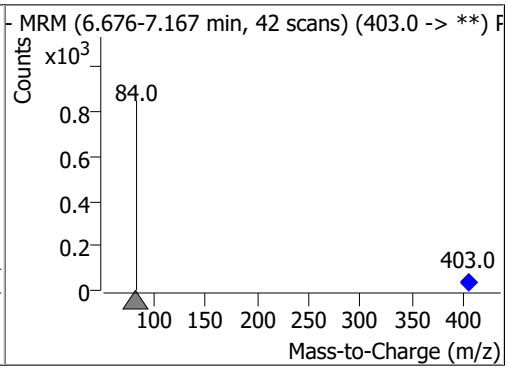




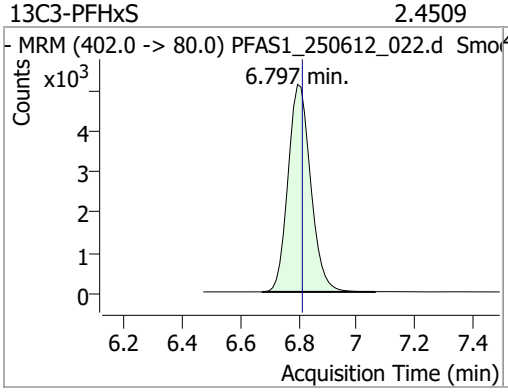
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	-0.01	24438				

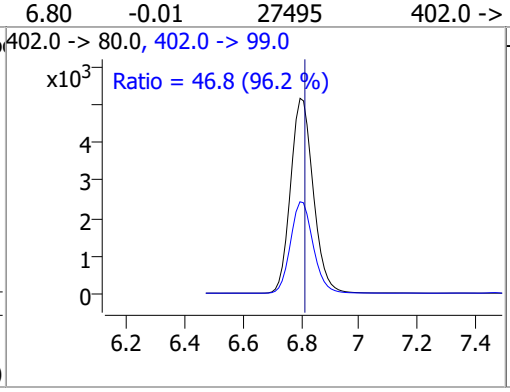


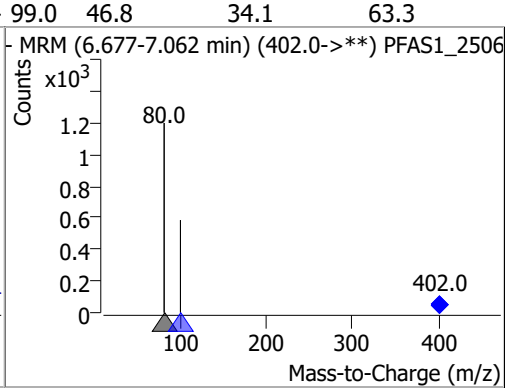




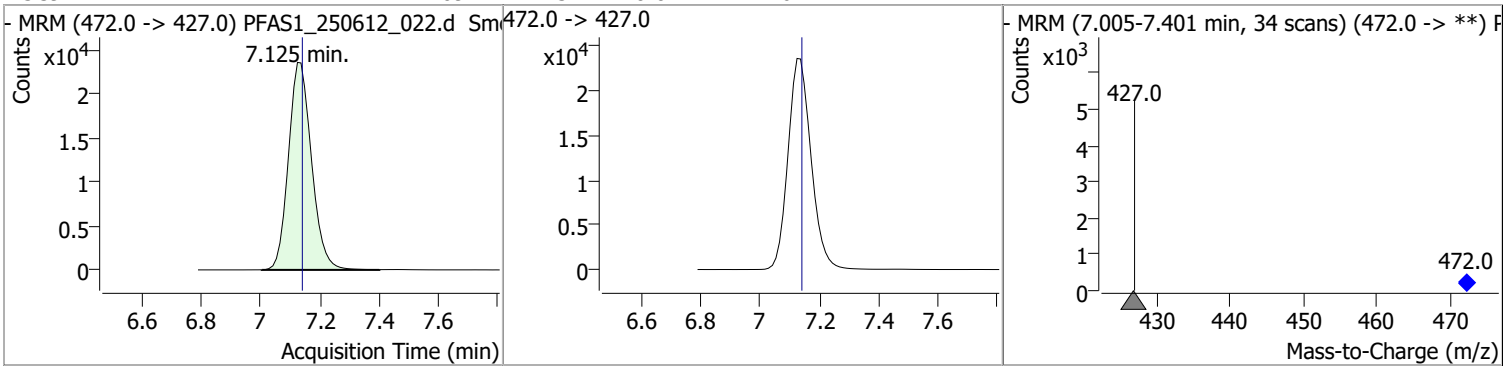
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4509	6.80	-0.01	27495	402.0 -> 99.0	46.8	34.1	63.3



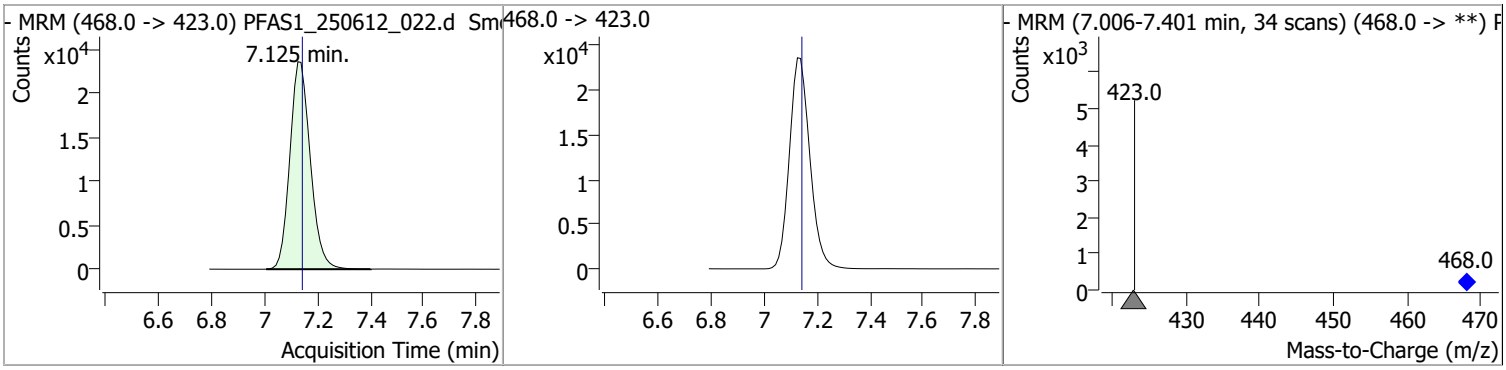




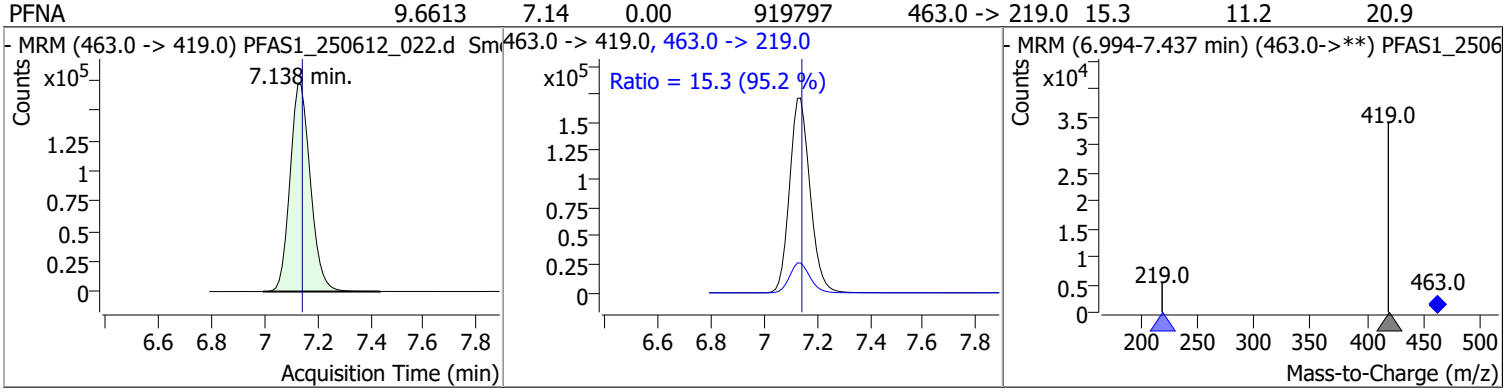
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2209	7.13	-0.01	126417				



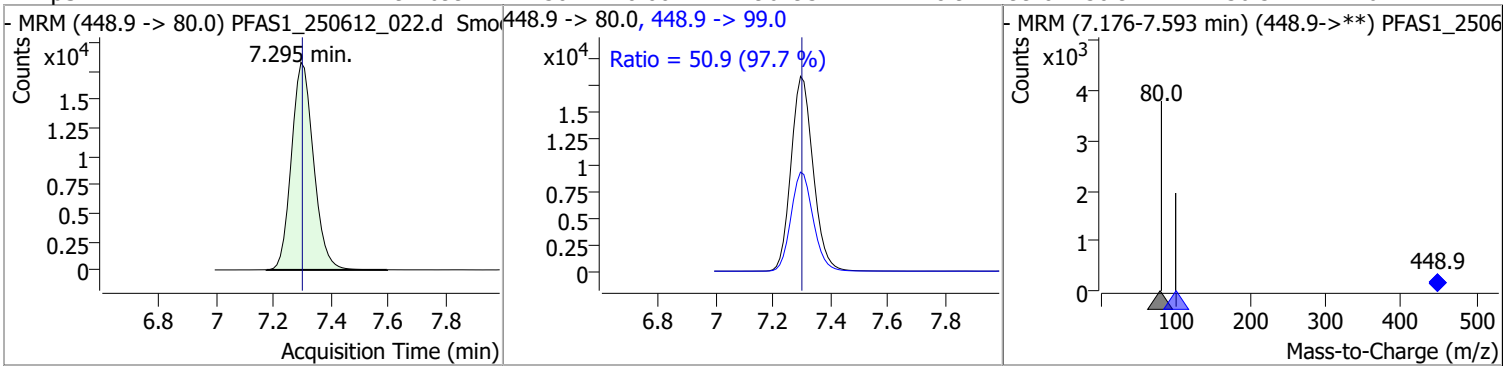
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	-0.01	126277				



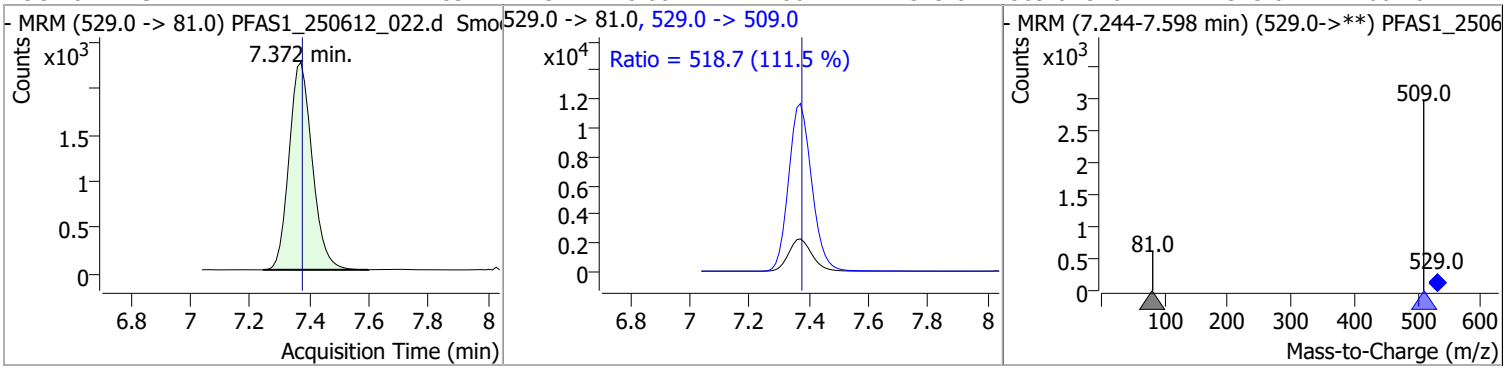
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6613	7.14	0.00	919797	463.0 -> 219.0	15.3	11.2	20.9



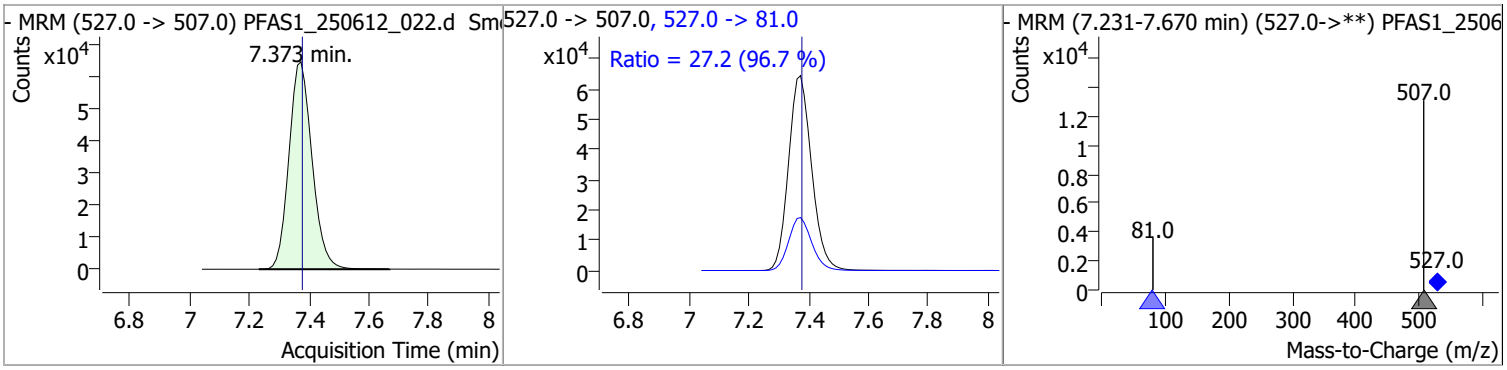
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.4699	7.30	0.00	96793	448.9 -> 99.0	50.9	36.5	67.7



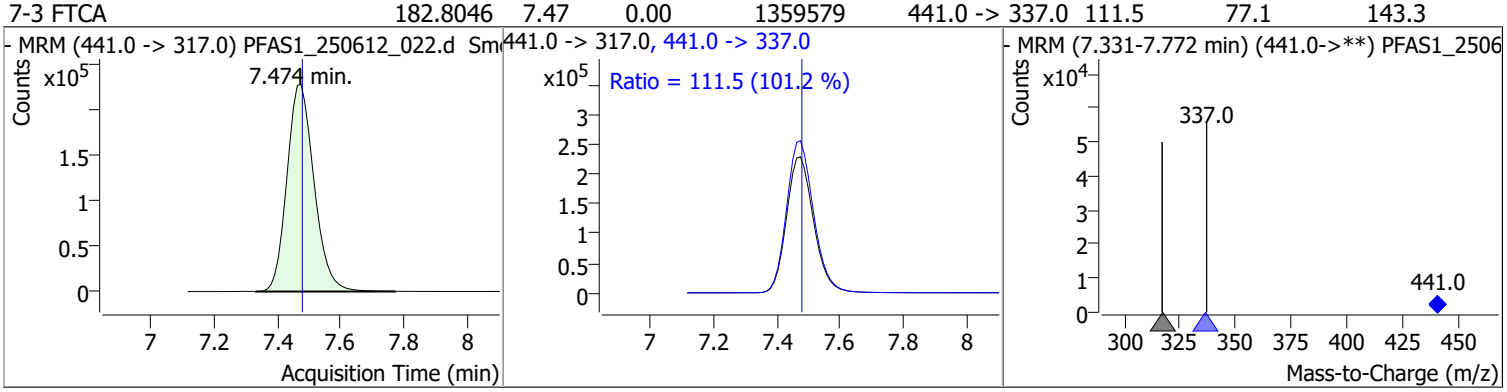
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.7159	7.37	0.00	12064	529.0 -> 509.0	518.7	325.6	604.6



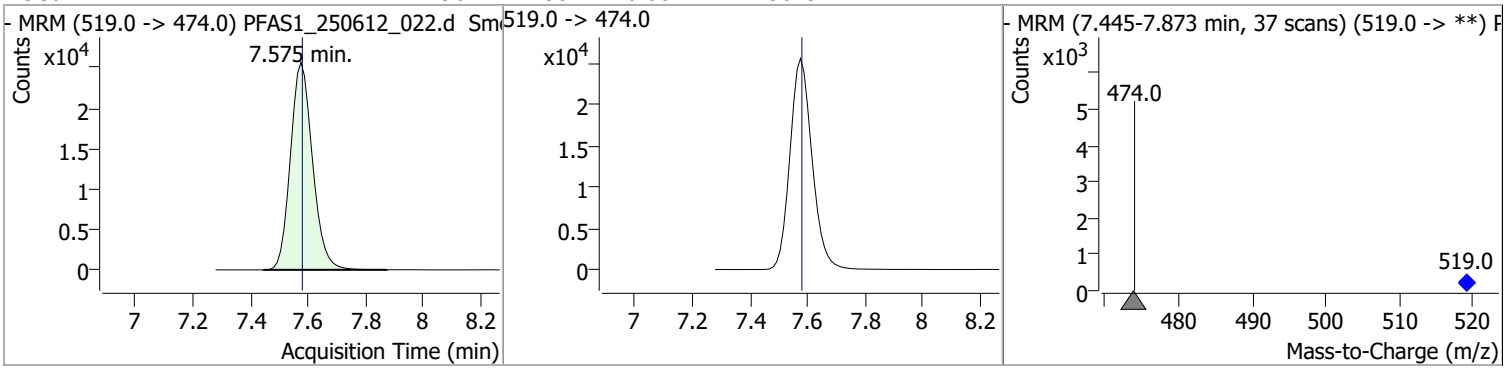
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	40.4180	7.37	0.00	346417	527.0 -> 81.0	27.2	19.7	36.6



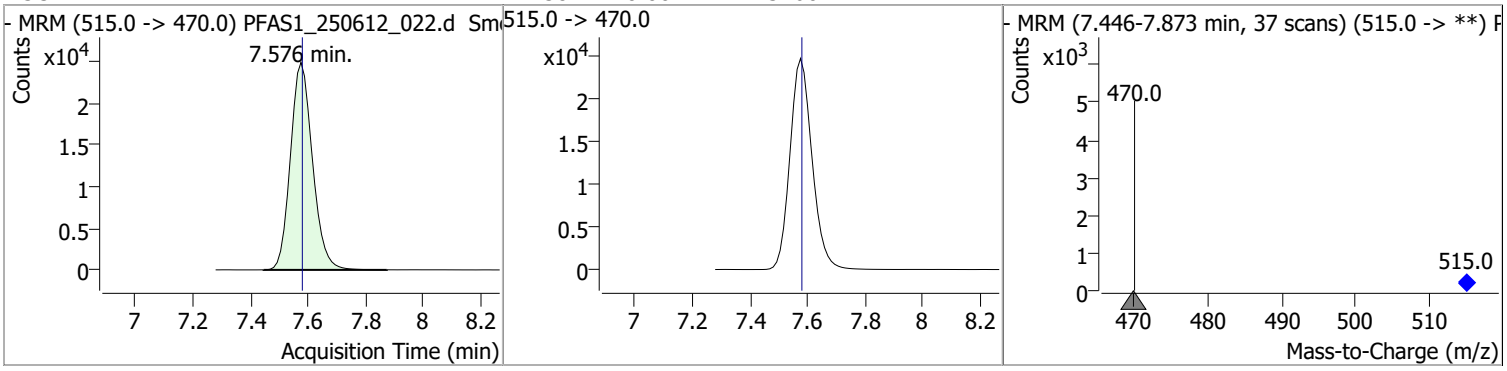
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	182.8046	7.47	0.00	1359579	441.0 -> 337.0	111.5	77.1	143.3



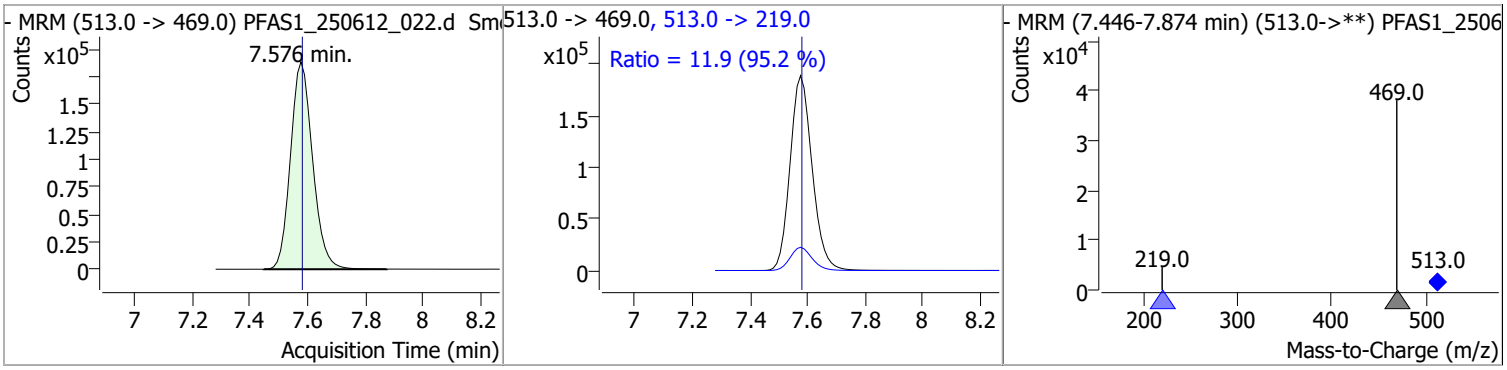
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2196	7.58	0.00	136297				



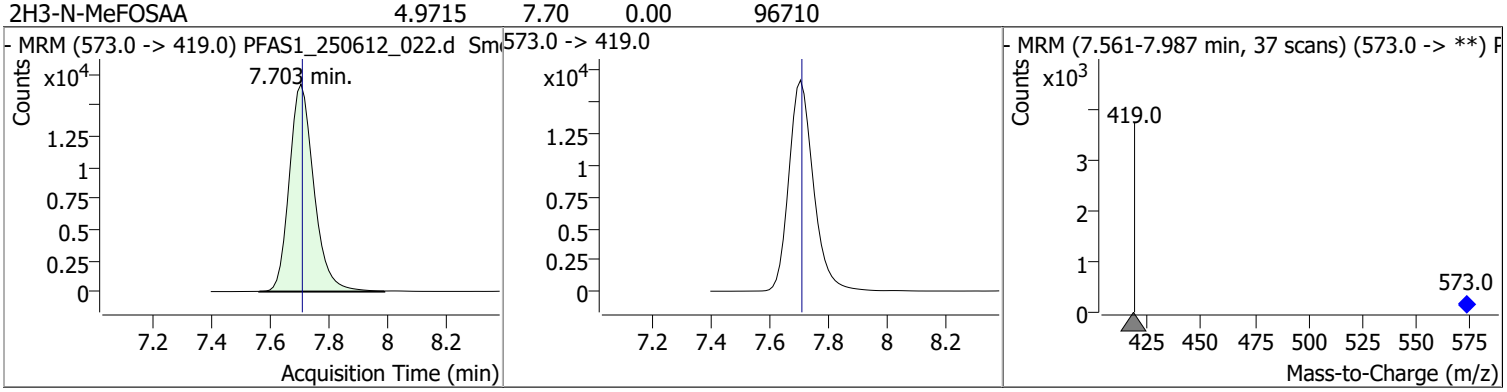
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	131604				



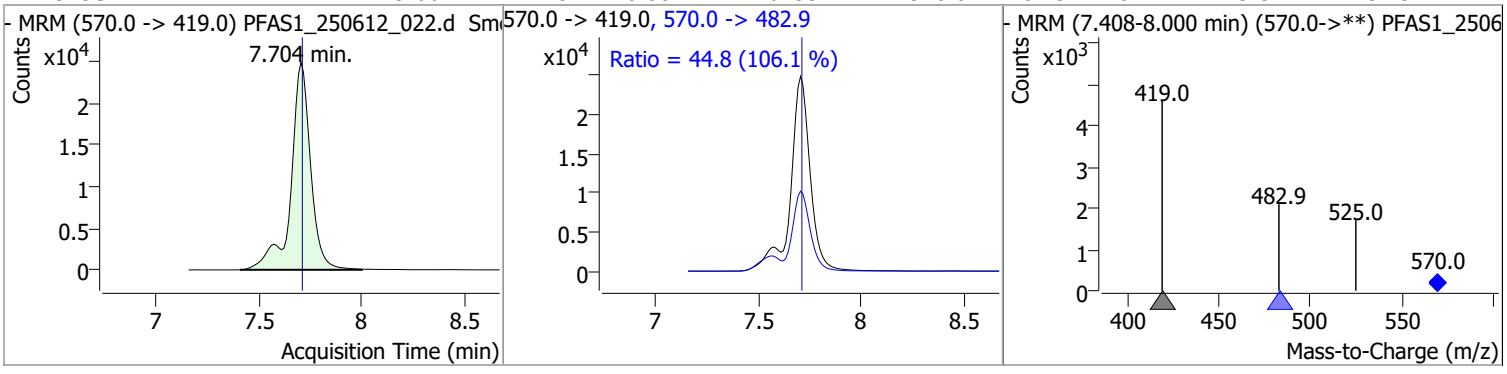
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.6081	7.58	0.00	1002522	513.0 -> 219.0	11.9	8.7	16.2



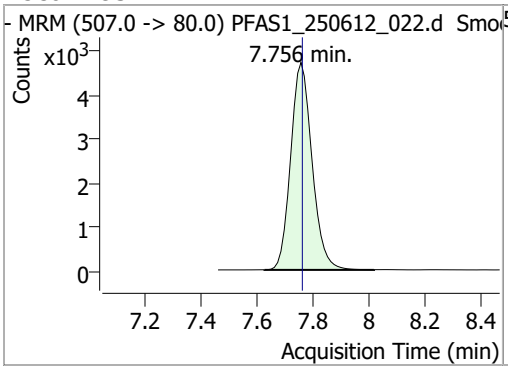
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9715	7.70	0.00	96710				

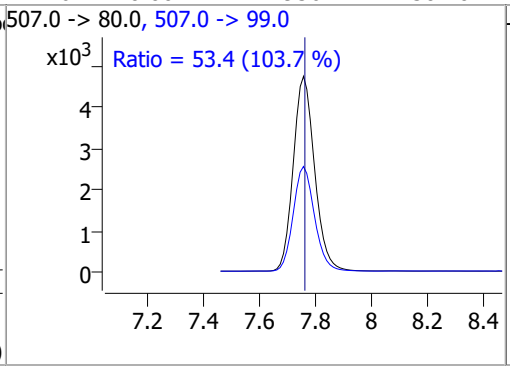


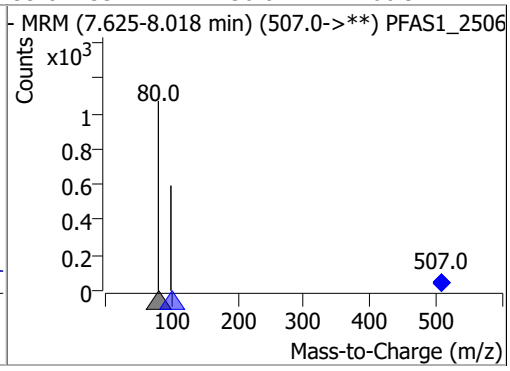
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.6622	7.70	0.00	164534	570.0 -> 482.9	44.8	29.5	54.9



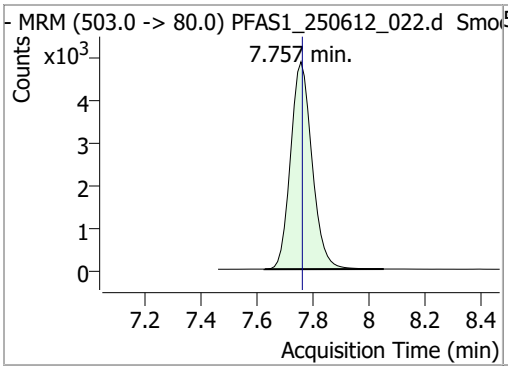
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4172	7.76	0.00	24956	507.0 -> 99.0	53.4	36.0	66.9

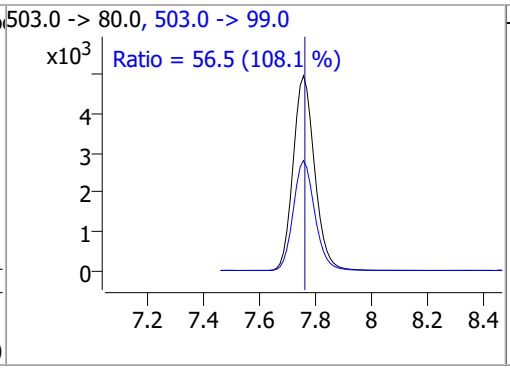


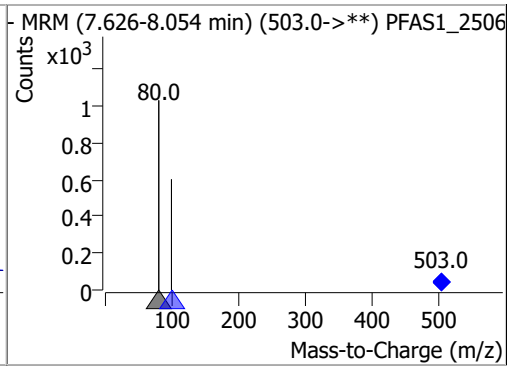




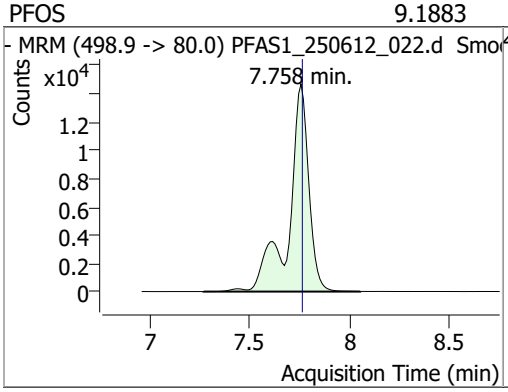
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	26053	503.0 -> 99.0	56.5	36.6	67.9

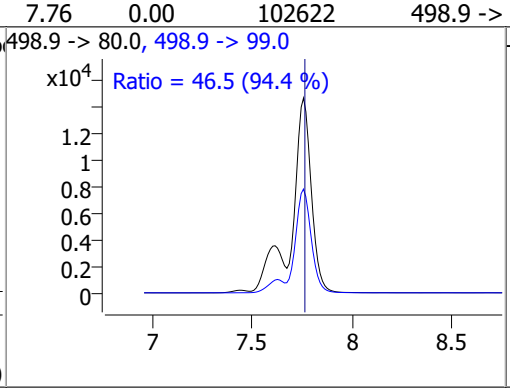


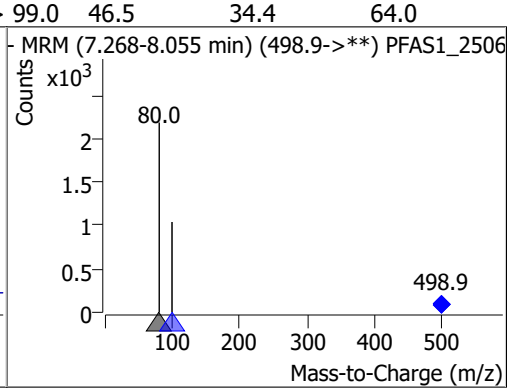




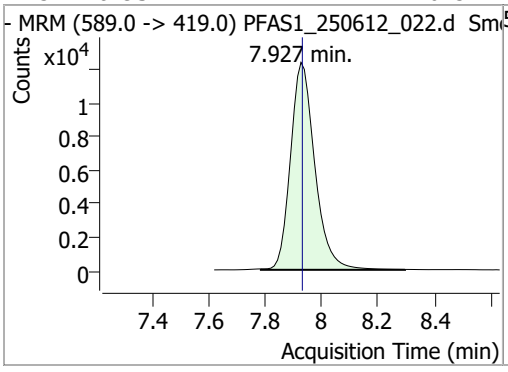
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	9.1883	7.76	0.00	102622	498.9 -> 99.0	46.5	34.4	64.0

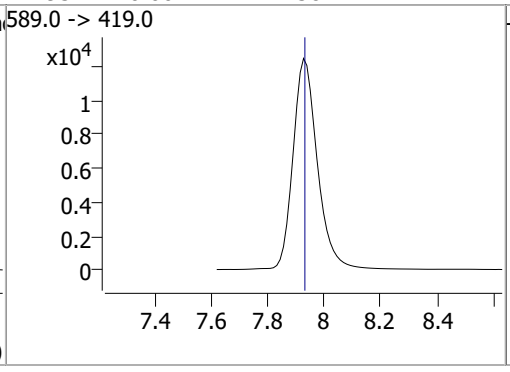


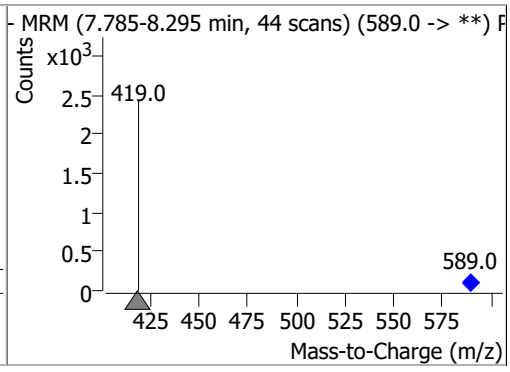




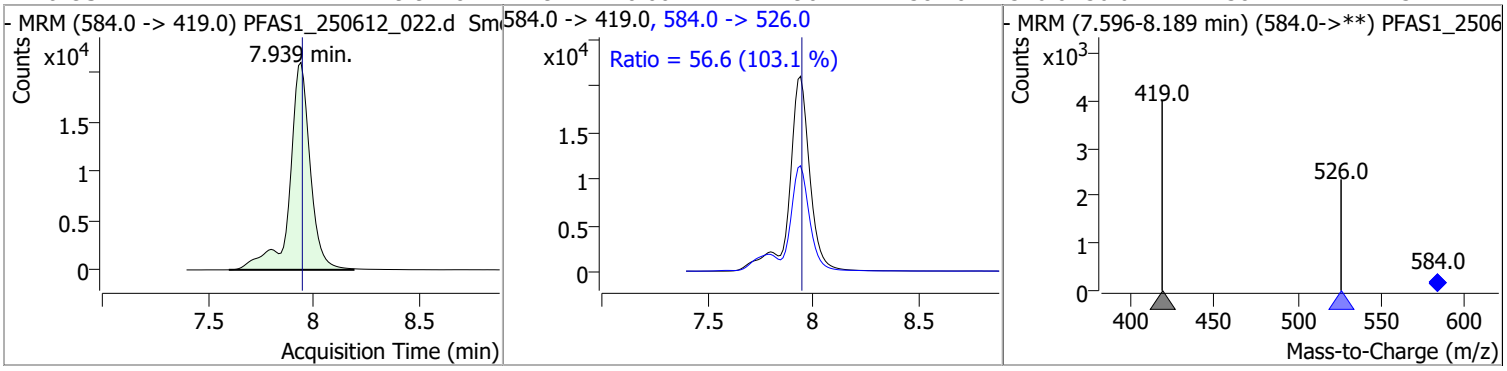
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7625	7.93	0.00	74238				



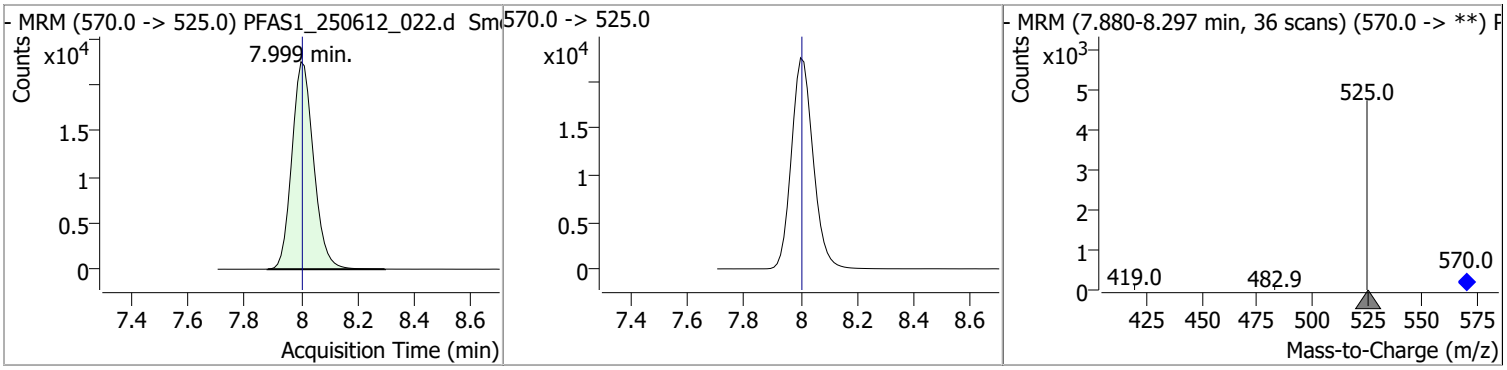




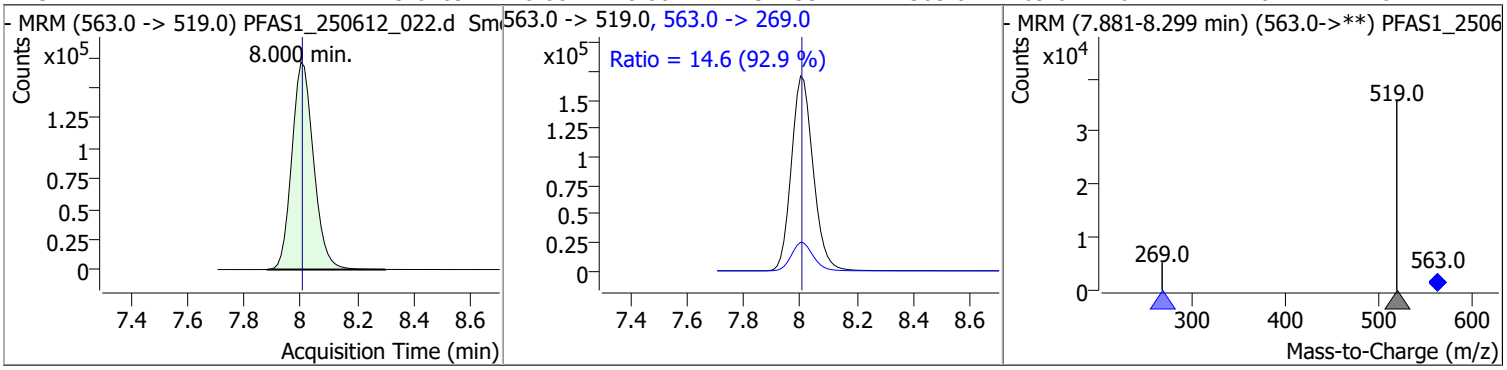
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.9728	7.94	0.00	142902	584.0 -> 526.0	56.6	38.4	71.3



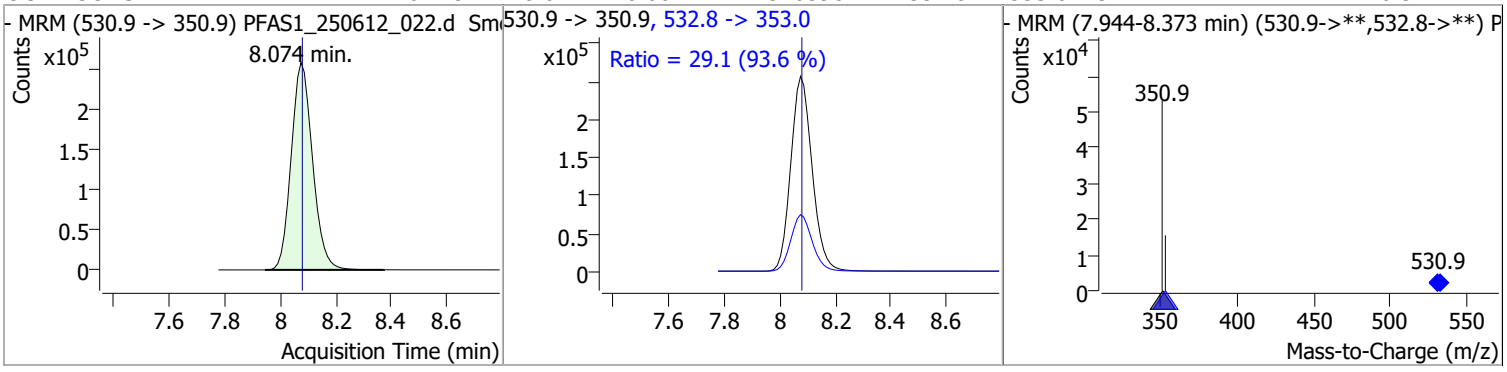
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2387	8.00	0.00	120195				



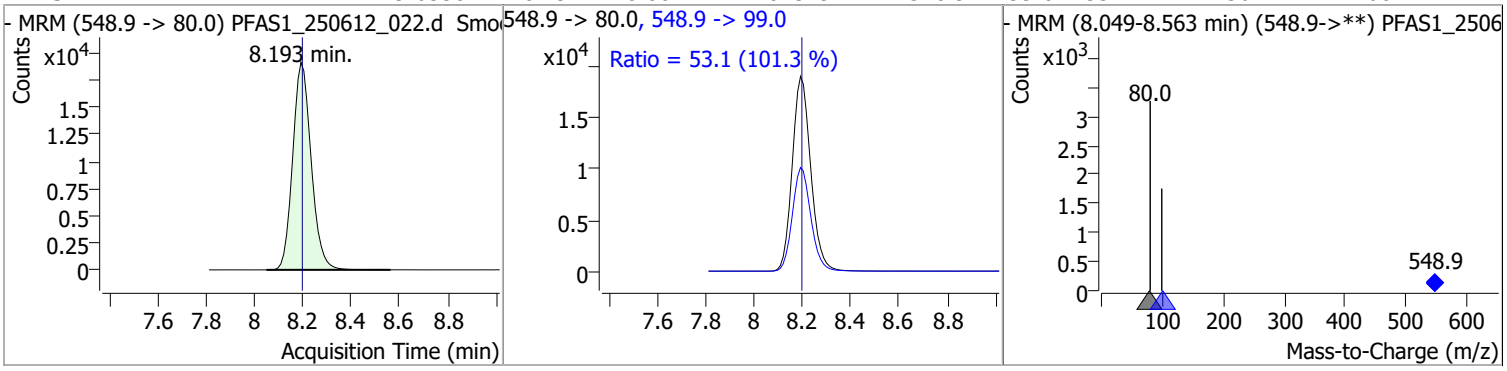
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6409	8.00	0.00	917351	563.0 -> 269.0	14.6	11.0	20.4



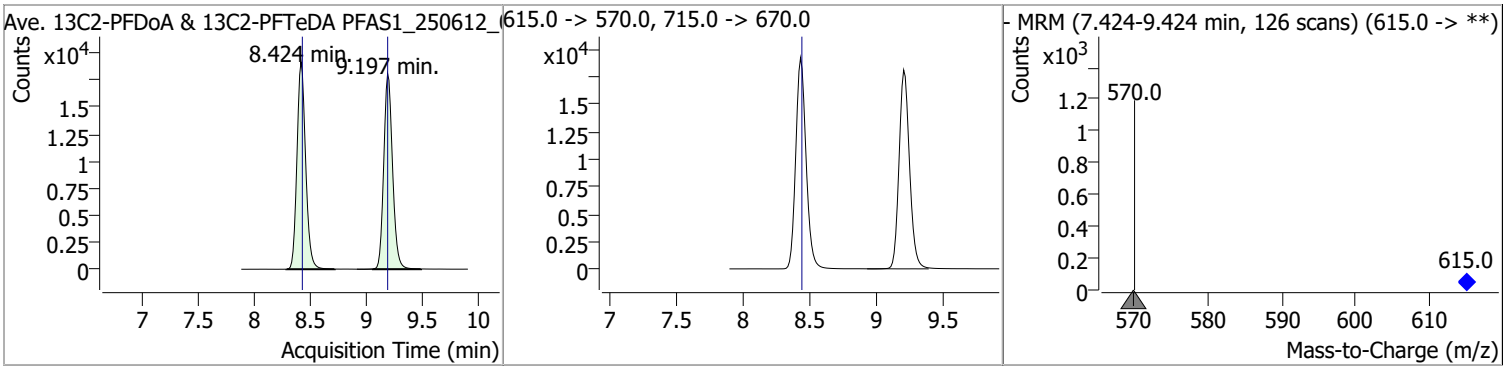
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.7192	8.07	0.00	1370398	532.8 -> 353.0	29.1	21.7	40.3



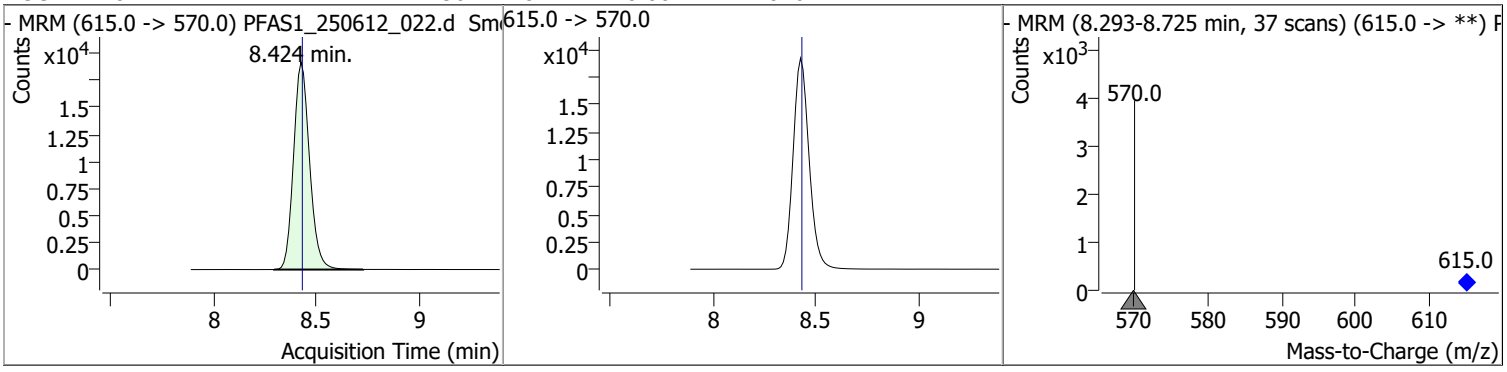
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.6558	8.19	0.00	101529	548.9 -> 99.0	53.1	36.7	68.1



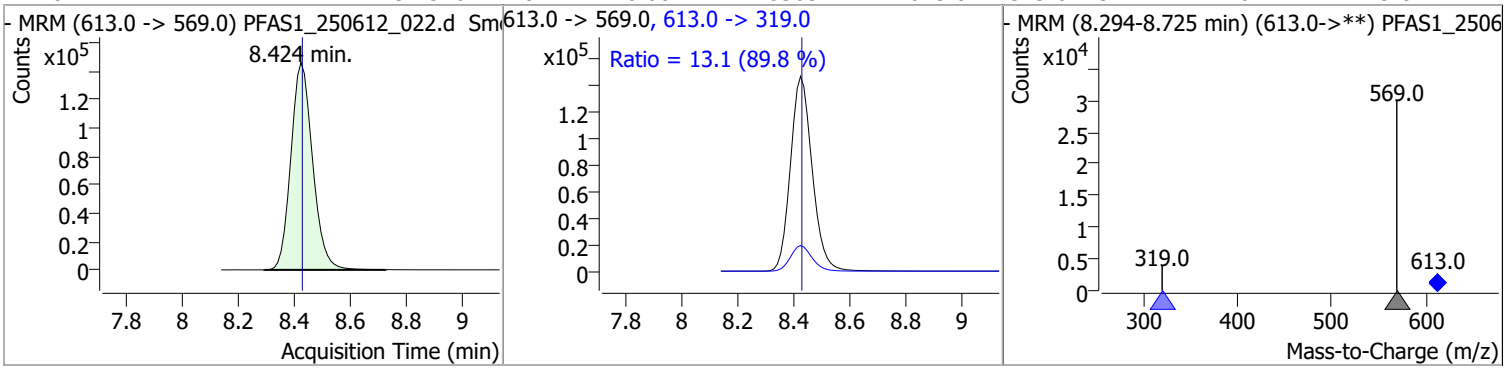
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2056	8.81	0.39	100504				



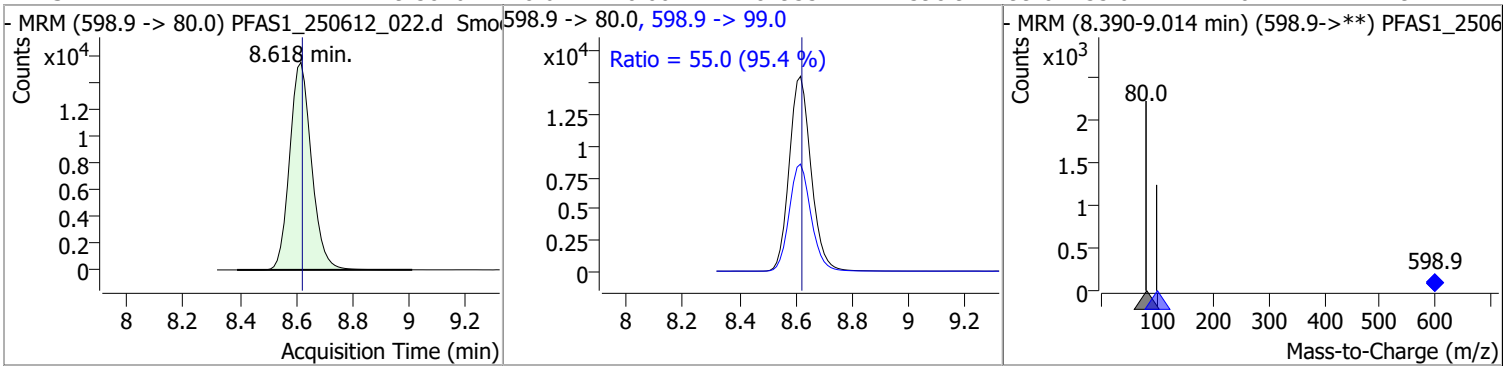
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2156	8.42	0.00	102614				



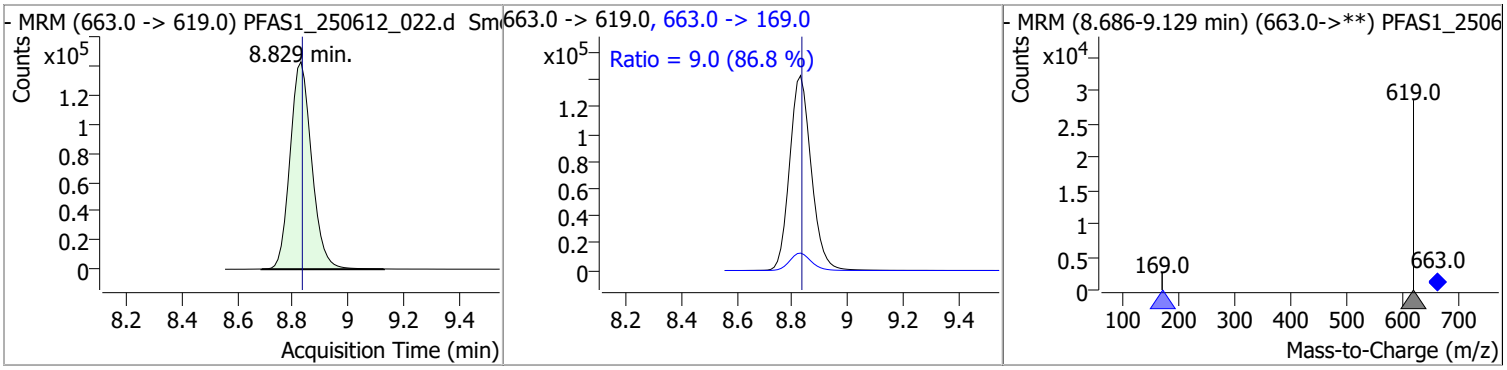
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.7346	8.42	0.00	785631	613.0 -> 319.0	13.1	10.2	19.0



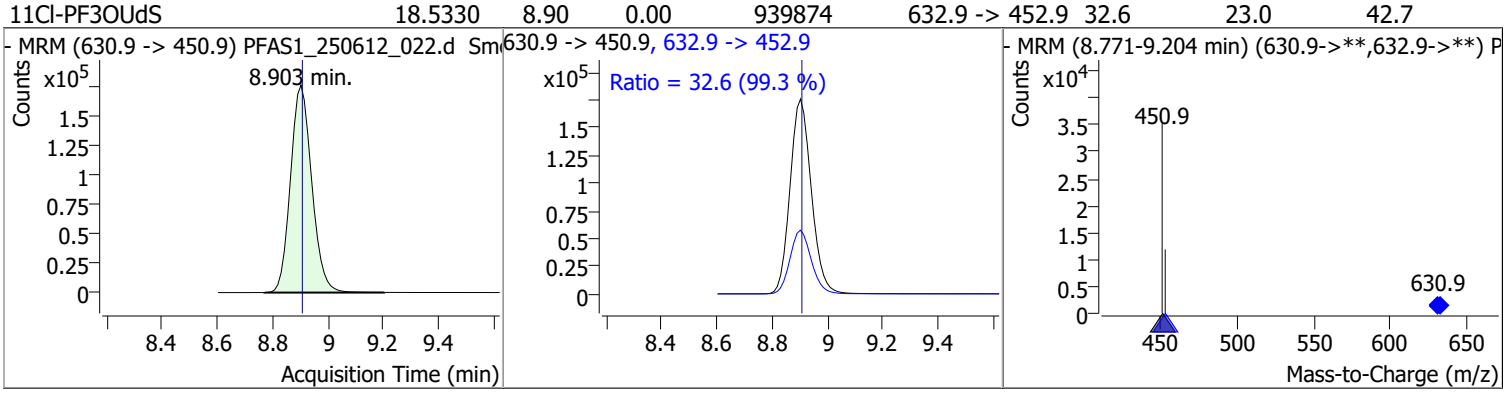
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	9.5816	8.62	0.00	82935	598.9 -> 99.0	55.0	40.4	74.9



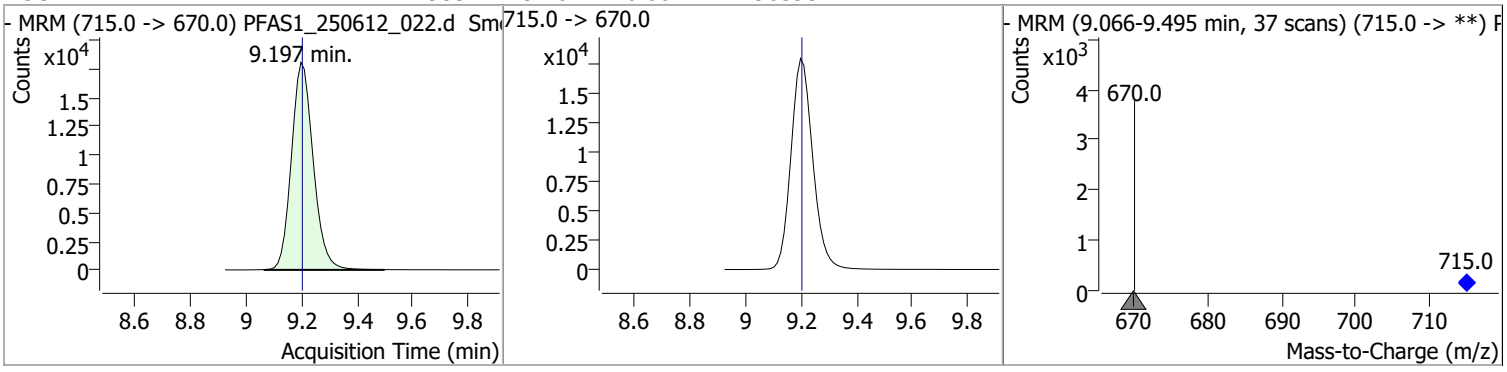
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.7048	8.83	0.00	774174	663.0 -> 169.0	9.0	7.2	13.4



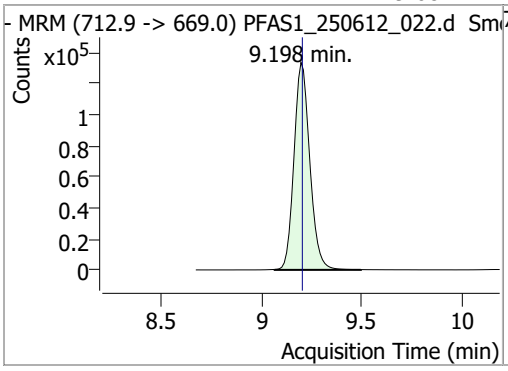
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	18.5330	8.90	0.00	939874	632.9 -> 452.9	32.6	23.0	42.7

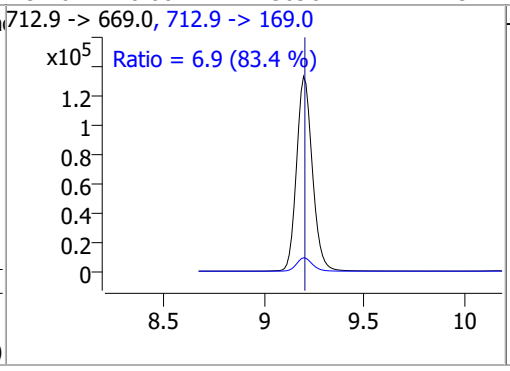


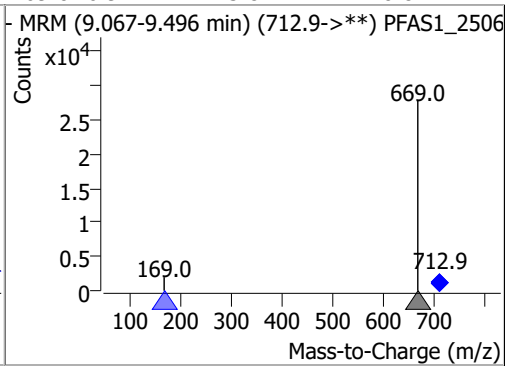
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.1953	9.20	0.00	98395				



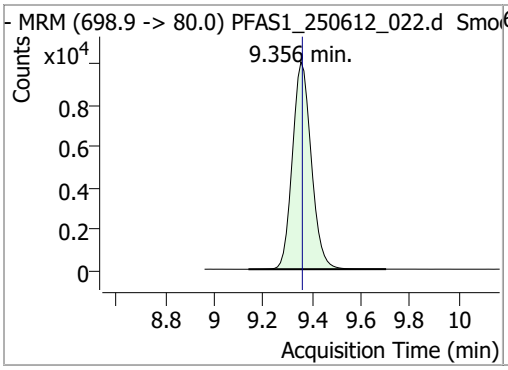
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.6817	9.20	0.00	730904	712.9 -> 169.0	6.9	5.8	10.8

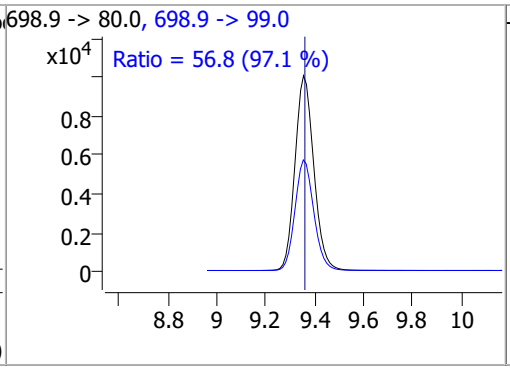


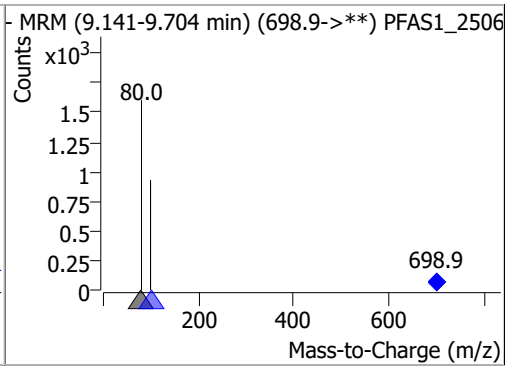




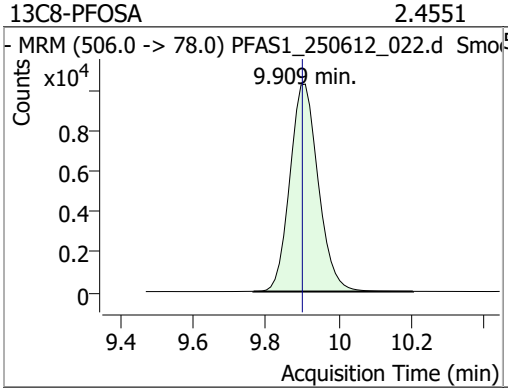
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.4272	9.36	0.00	53680	698.9 -> 99.0	56.8	41.0	76.1

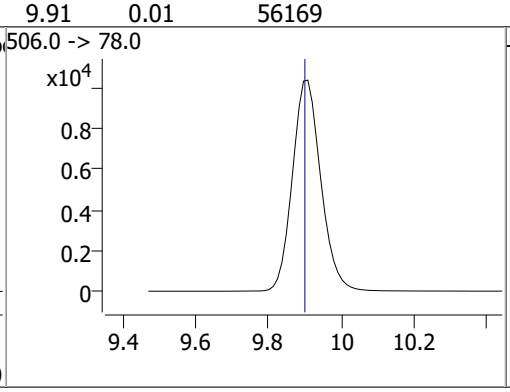


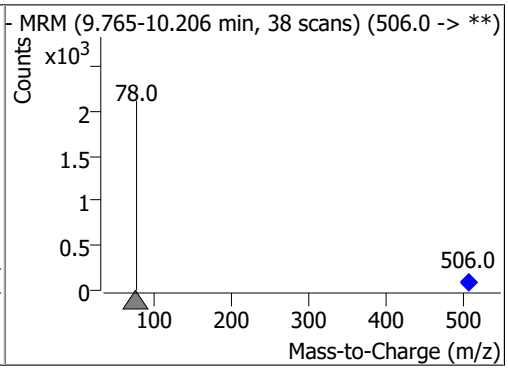




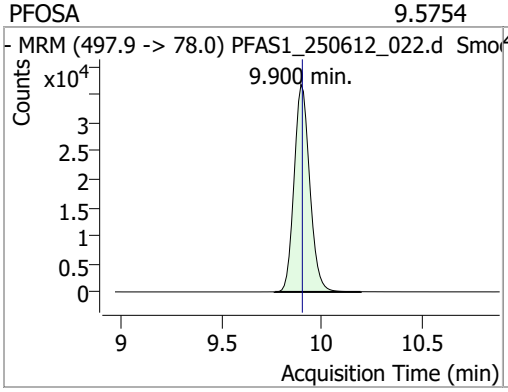
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4551	9.91	0.01	56169				

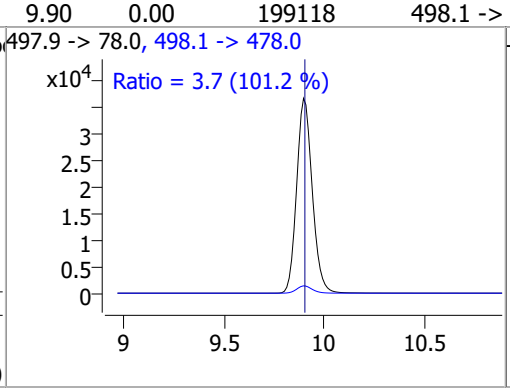


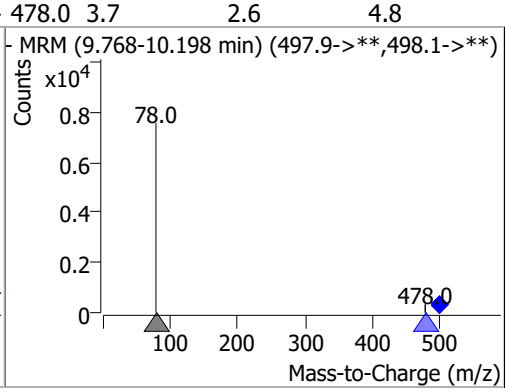




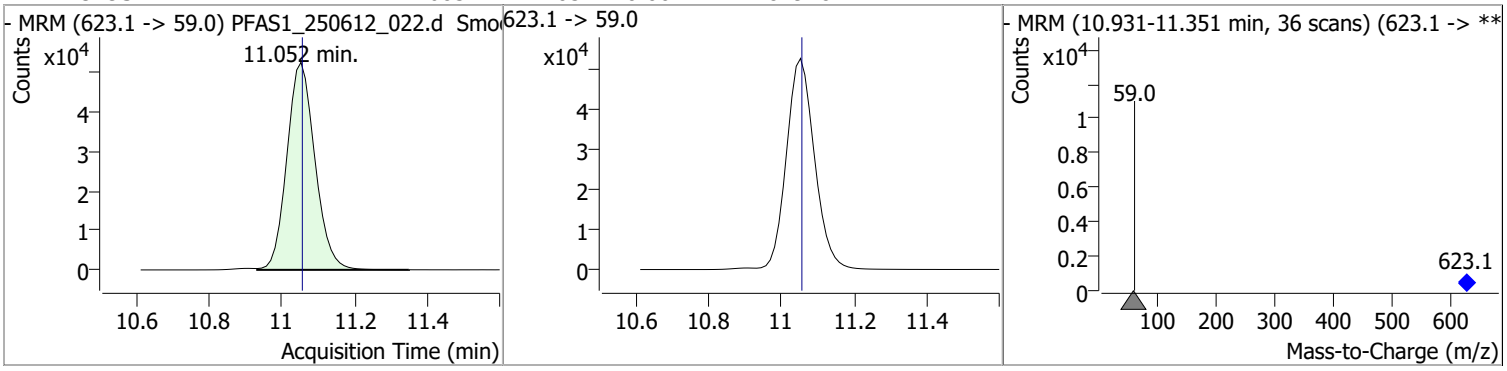
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.5754	9.90	0.00	199118	498.1 -> 478.0	3.7	2.6	4.8



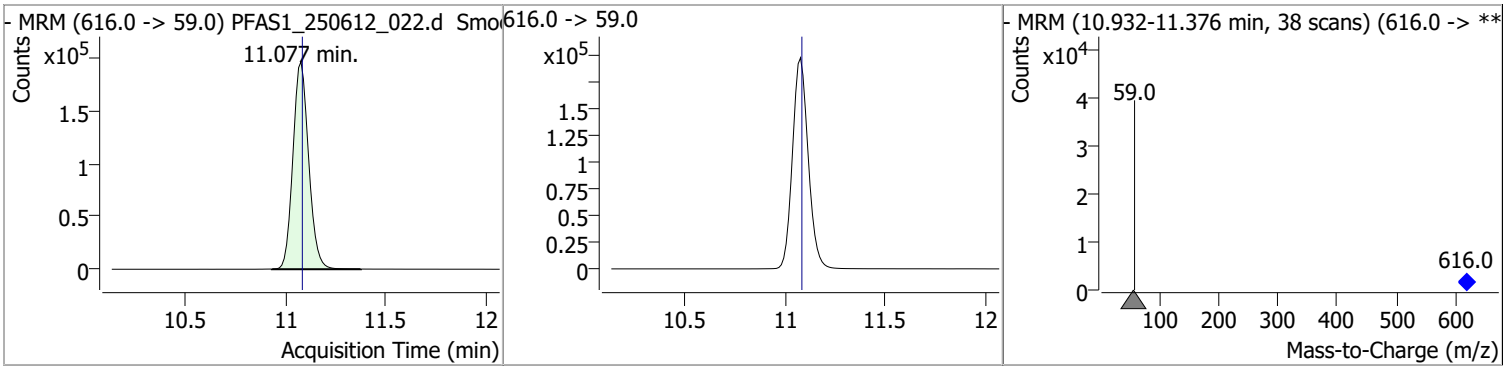




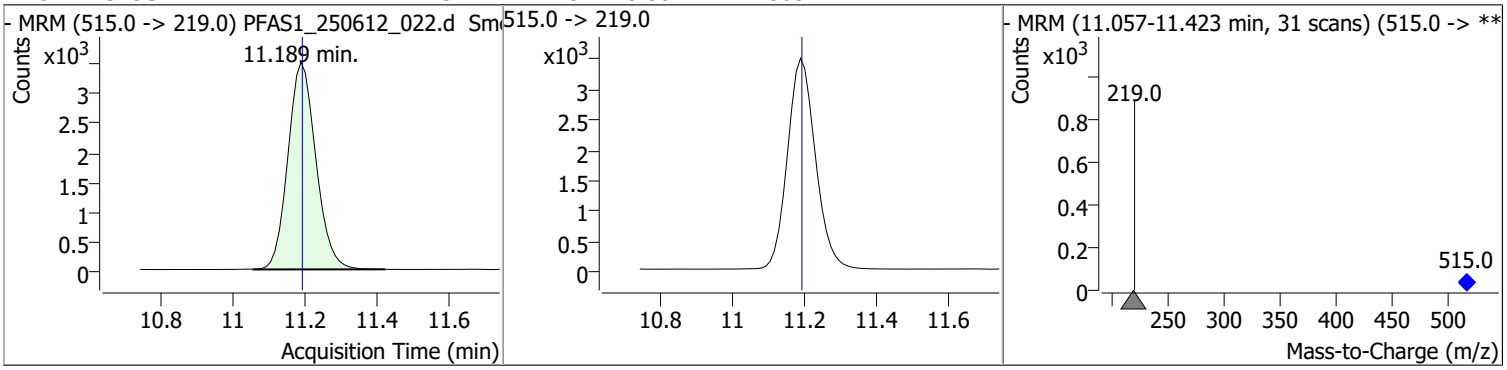
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.6837	11.05	0.00	282948				



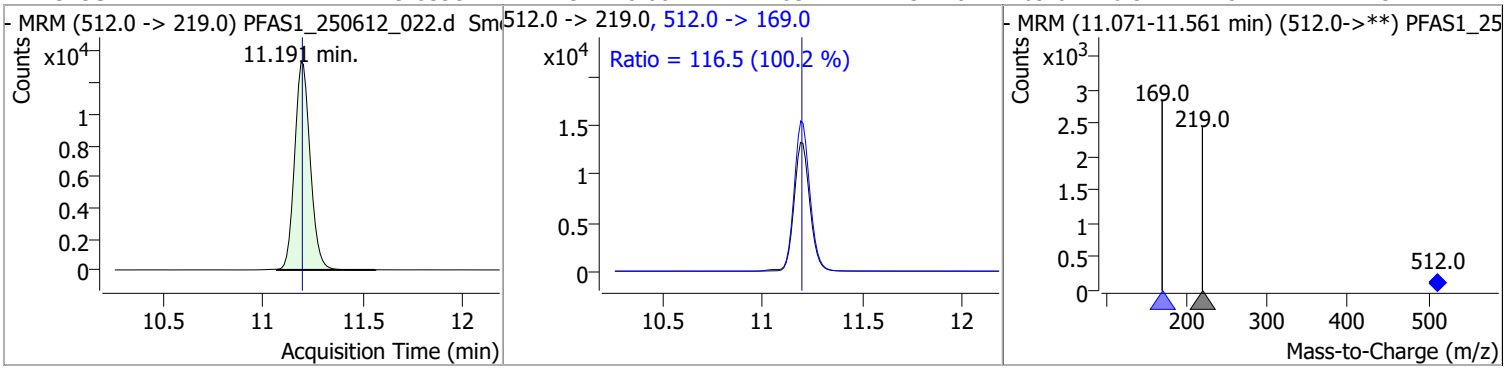
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	98.6562	11.08	0.00	1068913				



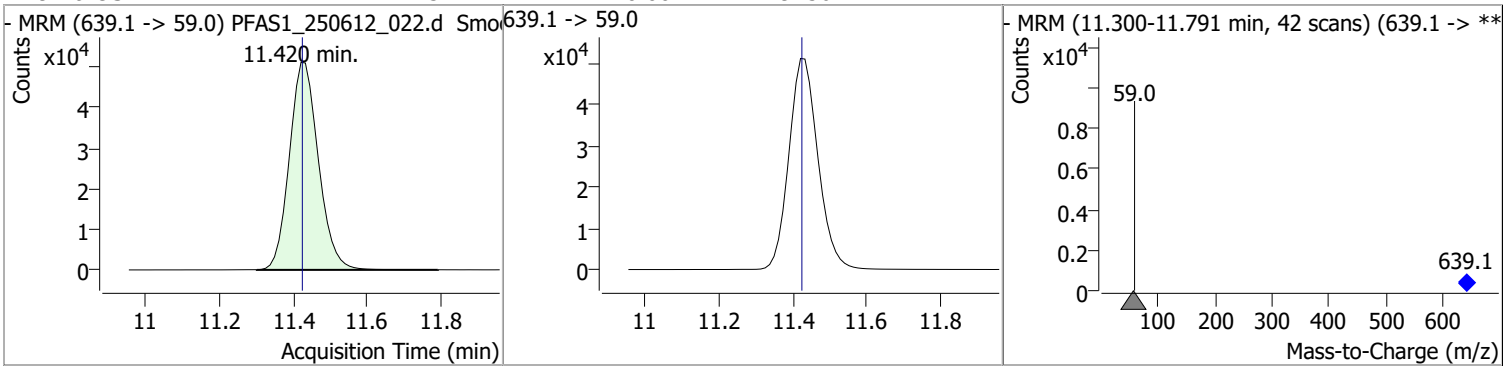
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4252	11.19	0.00	18634				



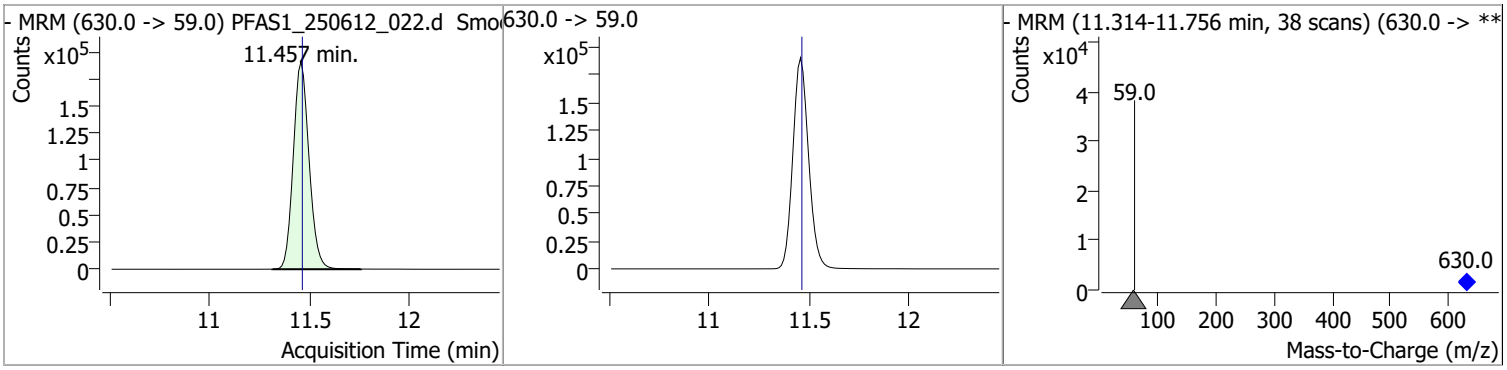
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8395	11.19	0.00	72051	512.0 -> 169.0	116.5	81.4	151.2



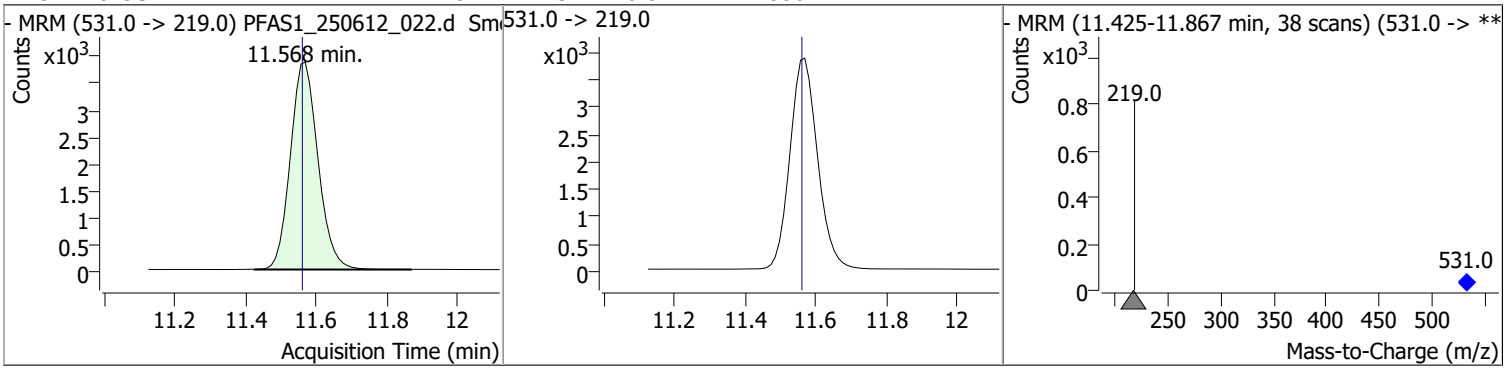
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.3441	11.42	0.00	279156				



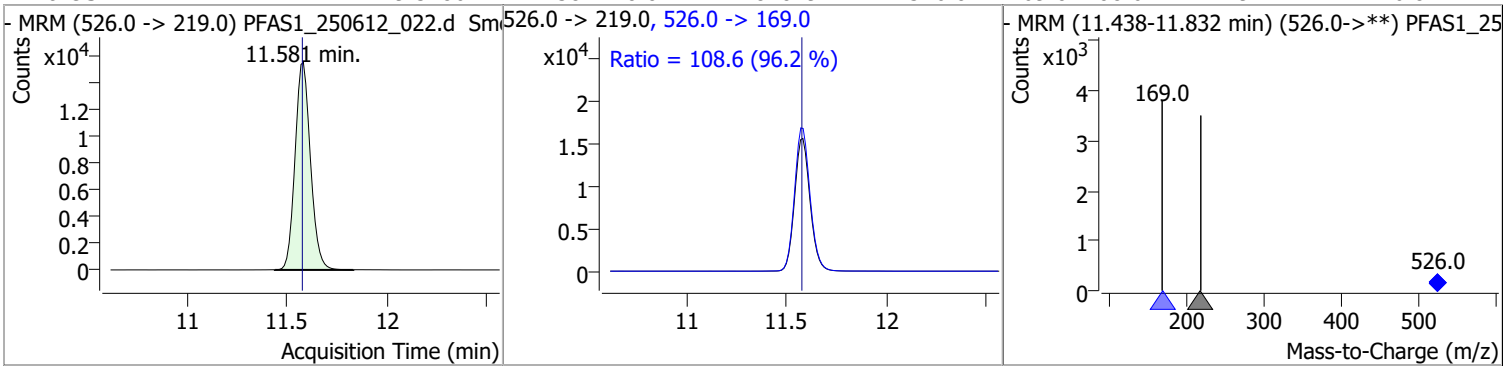
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	100.1900	11.46	0.00	1039630				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4710	11.57	0.01	20861				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	9.5186	11.58	0.01	84049	526.0 -> 169.0	108.6	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_025.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV1 ( )	Injection Time:	18:35

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	38.4	32733.76	33600.225		-4.00	30
PFPeA	20.0	19.2	52422.73	53349.05		-4.00	30
PFHxA	10.0	9.46	73805.26	73741.21		-5.00	30
PFHpA	10.0	9.70	82926.58	84389.33		-3.00	30
PFOA	10.0	9.70	87940.64	88711.93		-3.00	30
PFNA	10.0	9.42	91327.08	91968.43		-6.00	30
PFDA	10.0	9.46	100157.4	100474		-5.00	30
PFUnA	10.0	9.50	90384.45	91950.91		-5.00	30
PFDoA	10.0	9.62	78492.77	78778.18		-4.00	30
PFTrDA	10.0	9.74	77601.33	78269.58		-3.00	30
PFTeDA	10.0	9.79	74138.76	73942.71		-2.00	30
PFBS	8.85	8.80	18895.72	9556.892655367		0.00	30
PFPeS	9.40	9.07	13159.76	3573.212765957		-3.00	30
PFHxS	9.15	8.66	11100.11	1046.688524590		-5.00	30
PFHpS	9.55	9.32	10112.68	0348.940314136		-2.00	30
PFOS	9.30	8.91	11292.07	1105.344086021		-4.00	30
PFNS	9.60	9.36	10472.08	10632.8125		-2.00	30
PFDS	9.65	9.11	8453.186	477.0984455958		-5.00	30
PFDoS	9.70	9.14	5542.4	566.2886597938		-6.00	30
4:2FTS	37.5	36.9	10960.44	11009.88		-2.00	30
6:2FTS	38.0	40.1	9595.639	872.3289473684		6.00	30
8:2FTS	38.4	40.6	8734.04	9298.4296875		6.00	30
PFOSA	10.0	9.79	20158.27	20326.41		-2.00	30
NMeFOSA	10.0	9.89	7200.237	7182.033		-1.00	30
NEtFOSA	10.0	9.72	8405.457	8456.556		-3.00	30
NMeFOSAA	10.0	9.75	16392.62	16670.5		-2.00	30
NEtFOSAA	10.0	9.51	14253.88	14256.72		-5.00	30
NMeFOSE	100	96.5	10598.36	10483.3		-4.00	30
NEtFOSE	100	101	10423.39	10189.94		1.00	30
HFPO-DA	20.0	19.7	22257.3	22669.465		-1.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_025.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV1 ( )	Injection Time:	18:35

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
ADONA	18.9	18.2	101087.7	02438.99470899		-4.00	30
9CL-PF3ONS	18.7	18.6	71625.12	3406.737967914		0.00	30
11CL-PF3OUdS	18.9	18.3	49394.22	9368.814814814		-3.00	30
3:3FTCA	40.0	37.9	1304.648	1311.50275		-5.00	30
5:3FTCA	200	187	6264.859	6350.025		-6.00	30
7:3FTCA	200	183	6915.942	6859.805		-8.00	30
PFEESA	17.8	17.2	54691.85	5300.185393258		-3.00	30
PFMPA	20.0	19.3	24782.15	25530.305		-3.00	30
PFMBA	20.0	18.8	33405.86	33473.885		-6.00	30
NFDHA	20.0	19.6	2846.614	2904.6775		-2.00	30
13C4-PFBA	10.0	10.0	1.15441	.2163335067674		5.00	30
13C5-PFPeA	5.00	5.07	0.754645	.7907925261157		5.00	30
13C5-PFHxA	2.50	2.54	1.029963	1.0801956619682		5.00	30
13C4-PFHpA	2.50	2.49	1.193766	.2315068378149		3.00	30
13C8-PFOA	2.50	2.40	11.19502	1.521012955579		3.00	30
13C9-PFNA	1.25	1.26	1.024979	1.0834271963101		6.00	30
13C6-PFDA	1.25	1.28	1.06149	.1084076418868		4.00	30
13C7-PFUnA	1.25	1.30	0.9216579	.9768107765117		6.00	30
13C2-PFDoA	1.25	1.27	0.8017501	.8318511580626		4.00	30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.25	0.7918246	.8094203373413		2.00	30
13C2-PFTeDA	1.25	1.24	0.7818992	.7869889572081		1.00	30
13C3-PFBS	2.50	2.55	1.810213	1.8986817676798		5.00	30
13C3-PFHxS	2.50	2.57	1.147619	.2115116289460		6.00	30
13C8-PFOS	2.50	2.54	0.9907137	1.0369602207183		5.00	30
13C2-4:2FTS	5.00	4.99	0.3410825	.3495311358397		2.00	30
13C2-6:2FTS	5.00	4.80	0.2390102	.2356820583130		-1.00	30
13C2-8:2FTS	5.00	4.90	0.2617047	.2634637012715		1.00	30
13C8-PFOSA	2.50	2.48	2.195459	.2455691314824		2.00	30
D3-NMeFOSA	2.50	2.43	0.7373179	.7398276679740		0.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_025.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV1 ( )	Injection Time:	18:35

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.46	0.8101407	82310412340741		2.00	30
D3-NMeFOSAA	5.00	5.05	1.866674	.9438597102591		4.00	30
D5-NEtFOSAA	5.00	5.04	1.495826	.5550962598374		4.00	30
D7-NMeFOSE	25.0	25.0	1.099985	.1364364633802		3.00	30
D9-NEtFOSE	25.0	23.8	1.100376	.0828174267476		-1.00	30
13C3-HFPO-DA	10.0	9.96	0.3105434	31990913695498		3.00	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_025.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 7:15:55 PM
Sample Name	SEQ-CCV	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

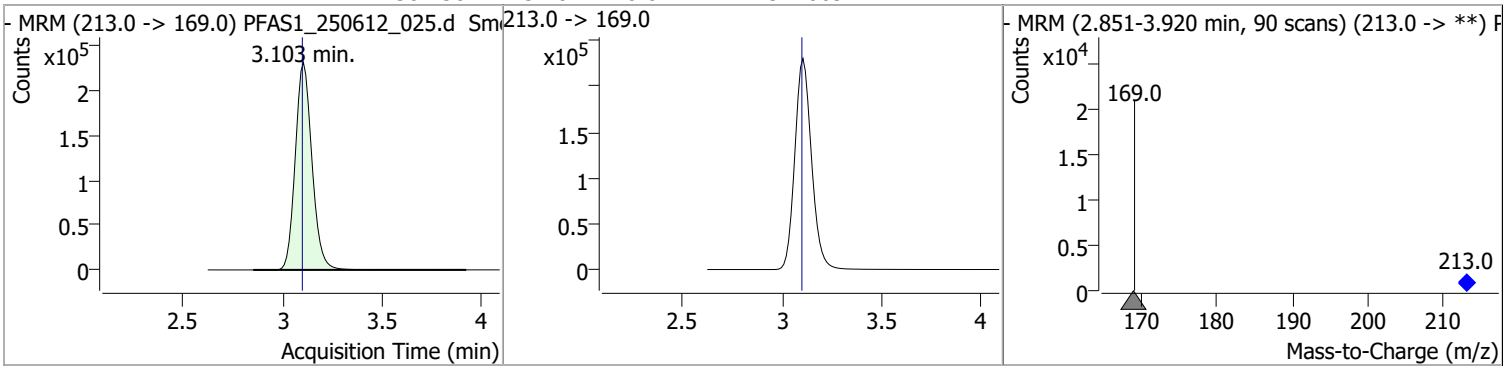
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	166661	5.0000	µg/L	5.363
13C2-PFHxA	5.479	315.0 -> 270.0	184794	2.5000	µg/L	3.424
18O2-PFHxS	6.796	403.0 -> 84.0	24129	2.5000	µg/L	2.675
13C4-PFOA	6.663	417.0 -> 172.0	21639	2.5000	µg/L	7.148
13C5-PFNA	7.125	468.0 -> 423.0	125843	1.2500	µg/L	5.152
13C2-PFDA	7.576	515.0 -> 470.0	127428	1.2500	µg/L	1.836
13C4-PFOS	7.757	503.0 -> 80.0	25756	2.5000	µg/L	3.165
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	384793	10.0000	µg/L	5.425
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.00%		
13C4-PFBA	3.095	217.0 -> 172.0	384793	10.0000	µg/L	5.425
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 100.00%		
13C5-PFPeA	4.594	268.0 -> 223.0	282590	5.0000	µg/L	4.754
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.32%		
13C5-PFPeA	4.594	268.0 -> 223.0	282590	5.0000	µg/L	4.754
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.32%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	16428	5.0000	µg/L	1.945
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.81%		
13C5-PFHxA	5.478	318.0 -> 273.0	193005	2.5000	µg/L	4.894
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.40%		
13C5-PFHxA	5.478	318.0 -> 273.0	193005	2.5000	µg/L	4.894
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.40%		
13C3-PFBS	5.494	302.0 -> 80.0	44620	2.5000	µg/L	4.676
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.15%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	228640	10.0000	µg/L	3.050
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.61%		
13C4-PFHpA	6.142	367.0 -> 322.0	220040	2.5000	µg/L	3.209
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.75%		
13C3-PFHxS	6.797	402.0 -> 80.0	28471	2.5000	µg/L	5.520
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.82%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	11077	5.0000	µg/L	-1.772
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 96.04%		
13C8-PFOA	6.662	421.0 -> 376.0	232669	2.5000	µg/L	2.998
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.05%		
13C3-PFHxS	6.797	402.0 -> 80.0	28471	2.5000	µg/L	5.520
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.82%		
13C9-PFNA	7.125	472.0 -> 427.0	129662	1.2500	µg/L	5.673
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.52%		
13C8-PFOS	7.756	507.0 -> 80.0	25888	2.5000	µg/L	4.625
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.46%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12383	5.0000	µg/L	0.609
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.05%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	12383	5.0000	µg/L	0.609
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.05%		
13C6-PFDA	7.575	519.0 -> 474.0	138697	1.2500	µg/L	4.359

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 102.54%		
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	97060	5.0000	µg/L	4.432
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.94%		
13C8-PFOS	7.756	507.0 -> 80.0	25888	2.5000	µg/L	4.625
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.46%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	77648	5.0000	µg/L	4.169
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.77%		
13C7-PFUnDA	7.999	570.0 -> 525.0	122230	1.2500	µg/L	5.952
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 104.07%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	101284	1.2500	µg/L	2.303
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.38%		
13C2-PFDoDA	8.424	615.0 -> 570.0	104091	1.2500	µg/L	3.831
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.88%		
13C2-PFTDA	9.197	715.0 -> 670.0	98477	1.2500	µg/L	0.737
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.84%		
13C8-PFOSA	9.897	506.0 -> 78.0	56062	2.5000	µg/L	2.501
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.14%		
2H7-MeFOSE	11.052	623.1 -> 59.0	283720	25.0000	µg/L	3.280
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 100.14%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18470	2.5000	µg/L	0.636
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.26%		
2H9-EtFOSE	11.432	639.1 -> 59.0	270334	25.0000	µg/L	-1.616
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 95.38%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	20549	2.5000	µg/L	1.745
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.48%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	1344009	38.4307	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.08%		
PFMPA	3.794	229.0 -> 85.0	510606	19.3329	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.66%		
3-3 FTCA	4.030	241.0 -> 177.0	52460	37.8843	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.71%		
PFPeA	4.596	263.0 -> 219.0	1066980	19.1515	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.76%		
PFMBA	4.910	279.0 -> 85.0	669478	18.7549	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 93.77%		
4-2 FTSA	5.239	327.0 -> 307.0	412870	36.8946	µg/L	96
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 98.39%		
NFDHA	5.390	295.0 -> 201.0	58094	19.6023	µg/L	95
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.01%		
PFHxA	5.480	313.0 -> 269.0	737412	9.4630	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.63%		
PFBS	5.495	298.9 -> 80.0	173079	8.7996	µg/L	97
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 99.21%		
HFPO-DA	5.736	285.0 -> 169.0	453389	19.6827	µg/L	98
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 98.41%		
PFEESA	5.860	314.9 -> 135.0	984343	17.2160	µg/L	97
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 96.72%		
5-3 FTCA	6.132	341.0 -> 237.0	1270005	187.4175	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 93.71%		
PFHpA	6.142	363.0 -> 319.0	843893	9.6955	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.96%		
PFPeS	6.229	348.9 -> 80.0	127588	9.0736	µg/L	98
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 96.43%		

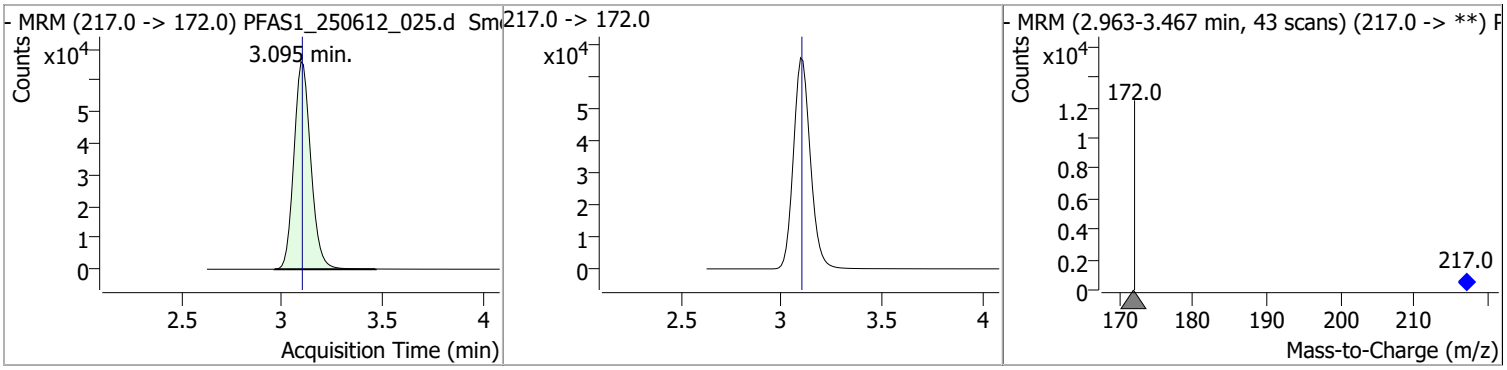
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
DONA	6.333	377.0 -> 251.0	1936097	18.2108	µg/L	97
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 96.35%		
6-2 FTSA	6.460	427.0 -> 407.0	375148	40.0727	µg/L	97
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 105.45%		
PFOA	6.663	413.0 -> 369.0	887119	9.7031	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.03%		
PFHxS	6.798	398.9 -> 80.0	101077	8.6600	µg/L	97
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 94.75%		
PFNA	7.126	463.0 -> 419.0	919684	9.4186	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.19%		
PFHpS	7.295	448.9 -> 80.0	98832	9.3212	µg/L	97
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 97.81%		
8-2 FTSA	7.373	527.0 -> 507.0	357060	40.5877	µg/L	97
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 105.70%		
7-3 FTCA	7.463	441.0 -> 317.0	1371961	183.2201	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 91.61%		
PFDA	7.576	513.0 -> 469.0	1004740	9.4630	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.63%		
N-MeFOSAA	7.704	570.0 -> 419.0	166705	9.7544	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.54%		
PFOS	7.758	498.9 -> 80.0	103280	8.9133	µg/L	96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 96.05%		
N-EtFOSAA	7.939	584.0 -> 419.0	142567	9.5129	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.13%		
PFUnDA	8.000	563.0 -> 519.0	919509	9.5029	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.03%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	1372705	18.6043	µg/L	96
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 99.49%		
PFNS	8.192	548.9 -> 80.0	102075	9.3579	µg/L	97
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 97.28%		
PFDoDA	8.424	613.0 -> 569.0	787782	9.6228	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.23%		
PFDS	8.618	598.9 -> 80.0	81804	9.1113	µg/L	99
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 94.42%		
PFTrDA	8.829	663.0 -> 619.0	782696	9.7360	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.36%		
11Cl-PF3OUdS	8.903	630.9 -> 450.9	933071	18.2554	µg/L	100
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 96.59%		
PFTDA	9.198	712.9 -> 669.0	739427	9.7863	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.86%		
PFDoS	9.356	698.9 -> 80.0	53993	9.1412	µg/L	96
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 94.24%		
PFOSA	9.900	497.9 -> 78.0	203264	9.7933	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.93%		
MeFOSE	11.077	616.0 -> 59.0	1048330	96.4917	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 96.49%		
N-MeFOSA	11.191	512.0 -> 219.0	71820	9.8949	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.95%		
EtFOSE	11.457	630.0 -> 59.0	1018994	101.4085	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.41%		
N-EtFOSA	11.581	526.0 -> 219.0	84566	9.7220	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.22%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

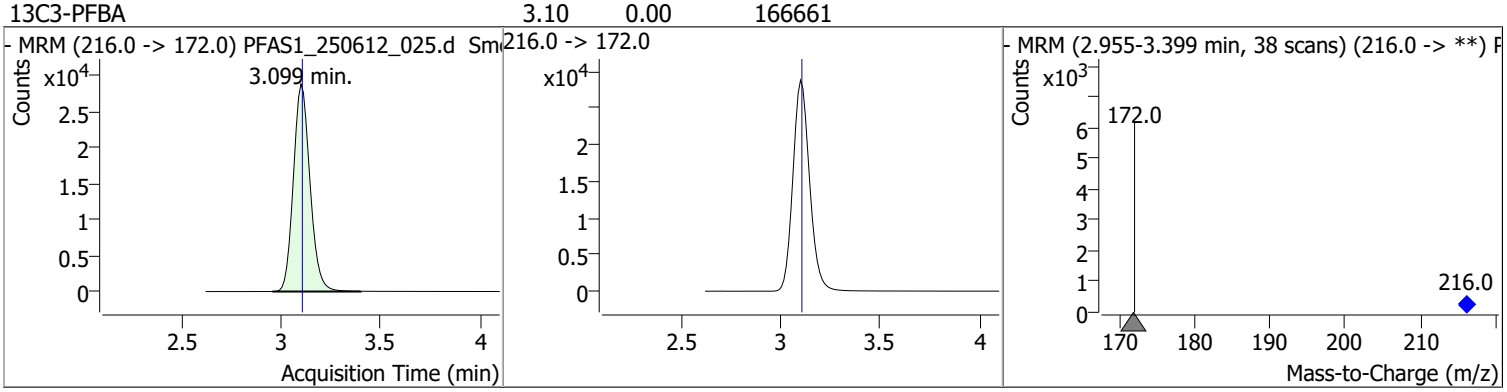
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.4307	3.10	0.01	1344009				



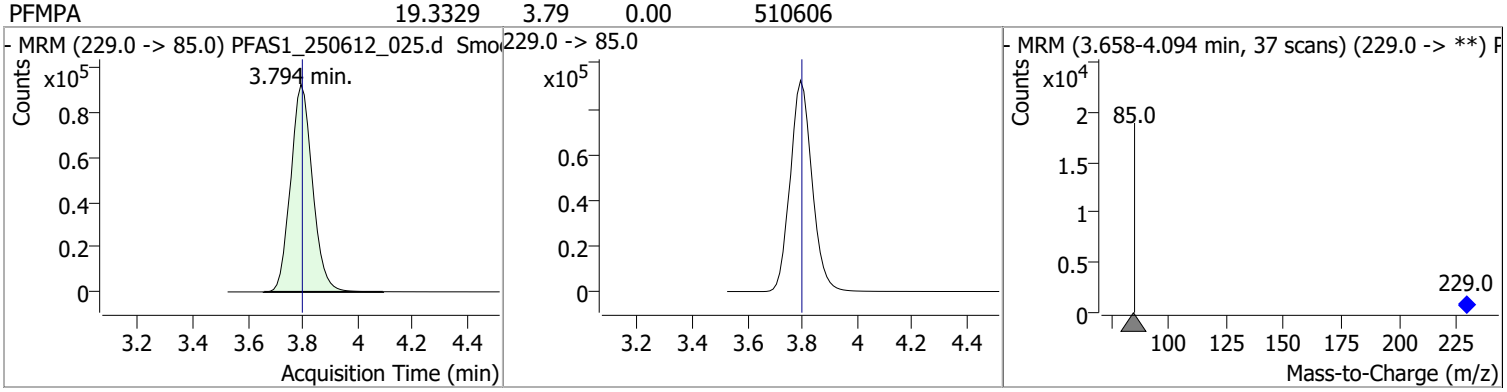
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	10.0001	3.09	0.00	384793				



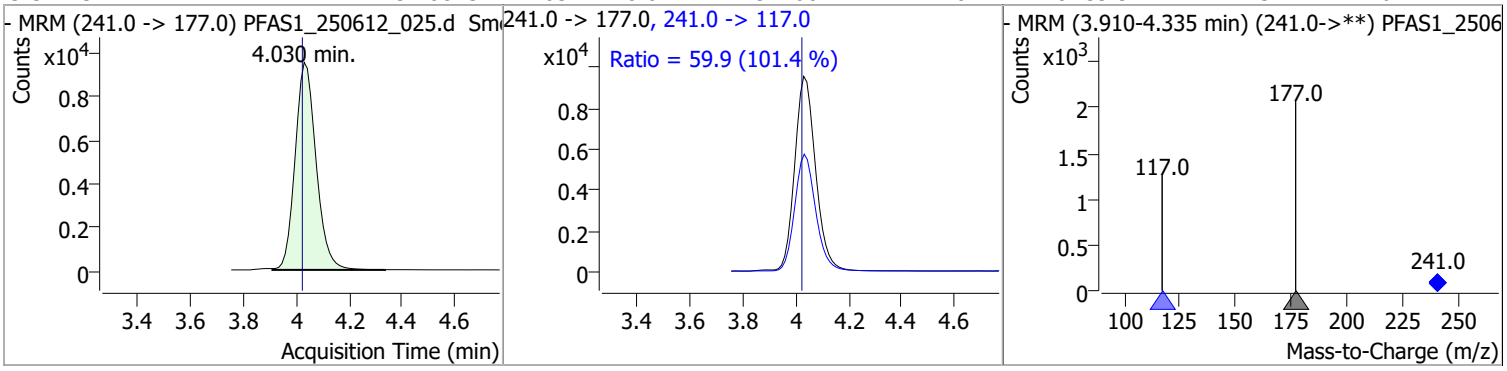
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	166661				



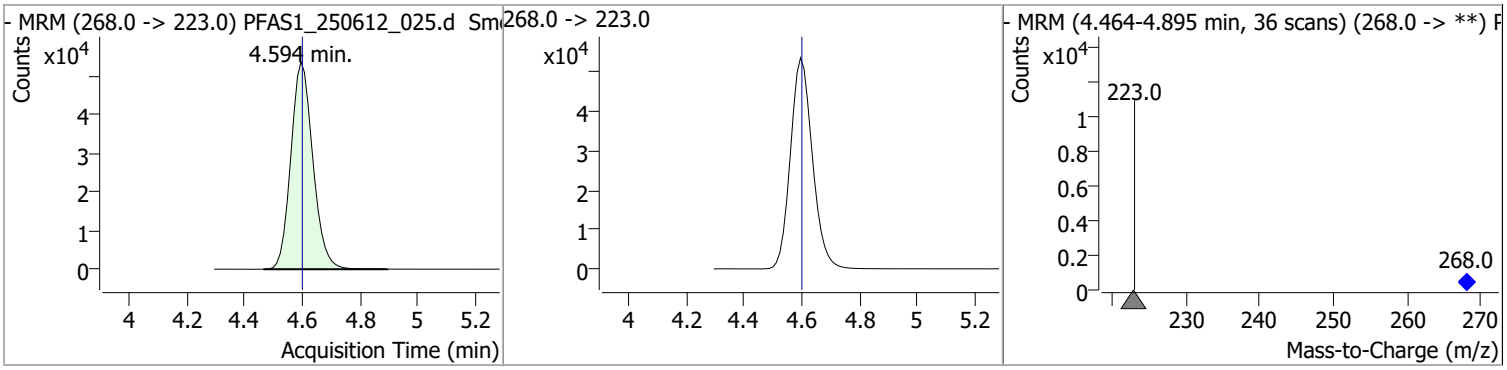
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.3329	3.79	0.00	510606				



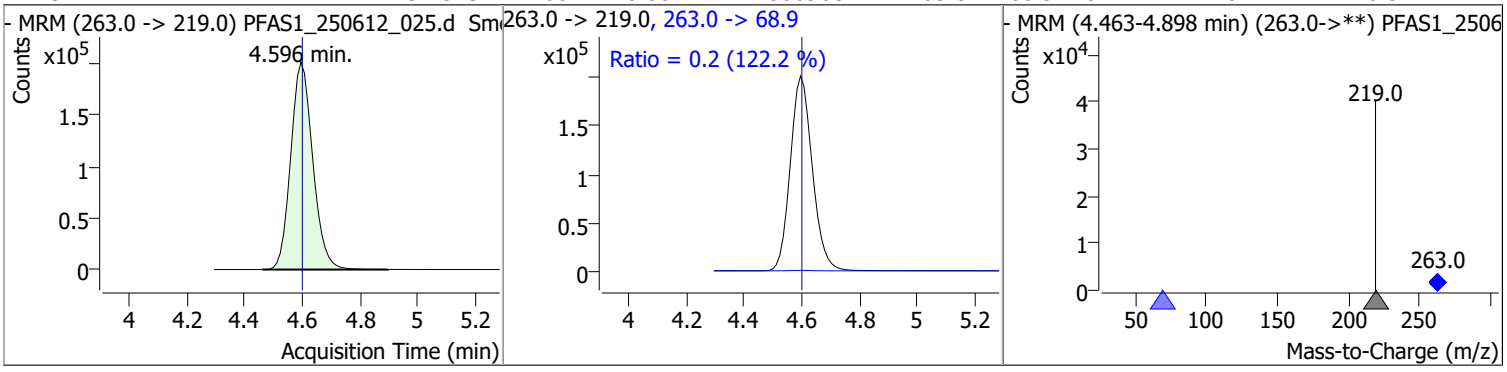
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	37.8843	4.03	0.01	52460	241.0 -> 117.0	59.9	41.3	76.7



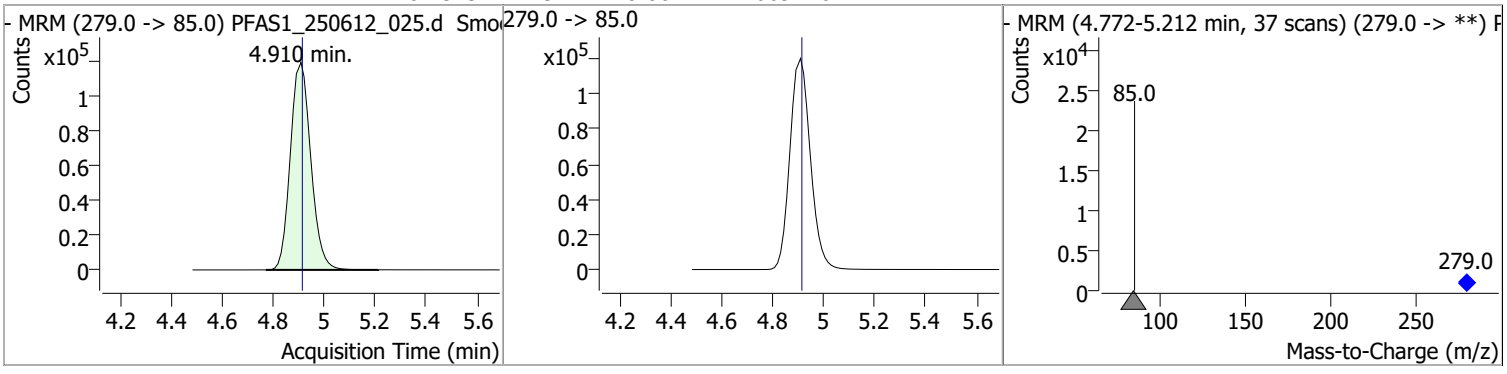
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0660	4.59	0.00	282590				



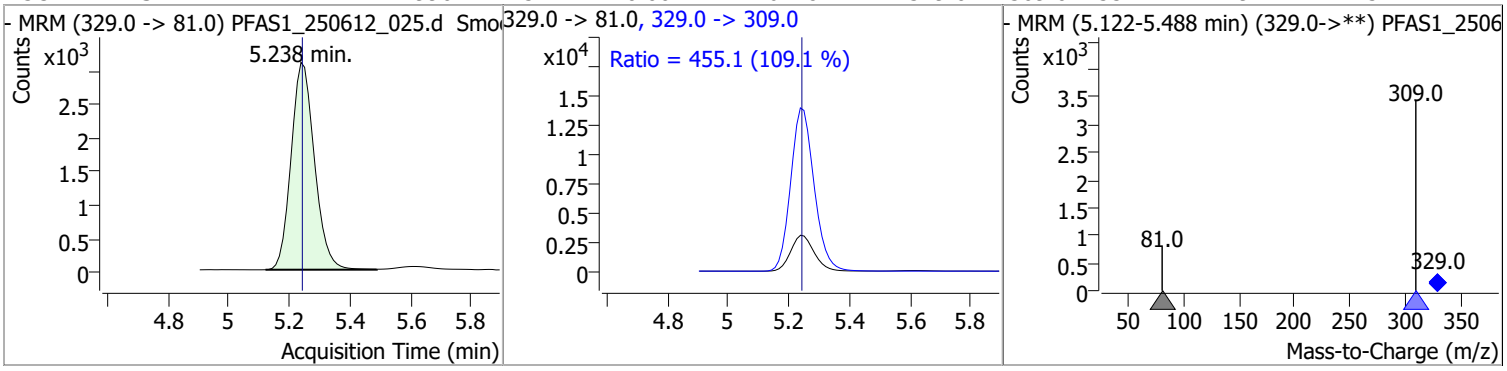
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.1515	4.60	0.00	1066980	263.0 -> 68.9	0.2	0.1	0.3



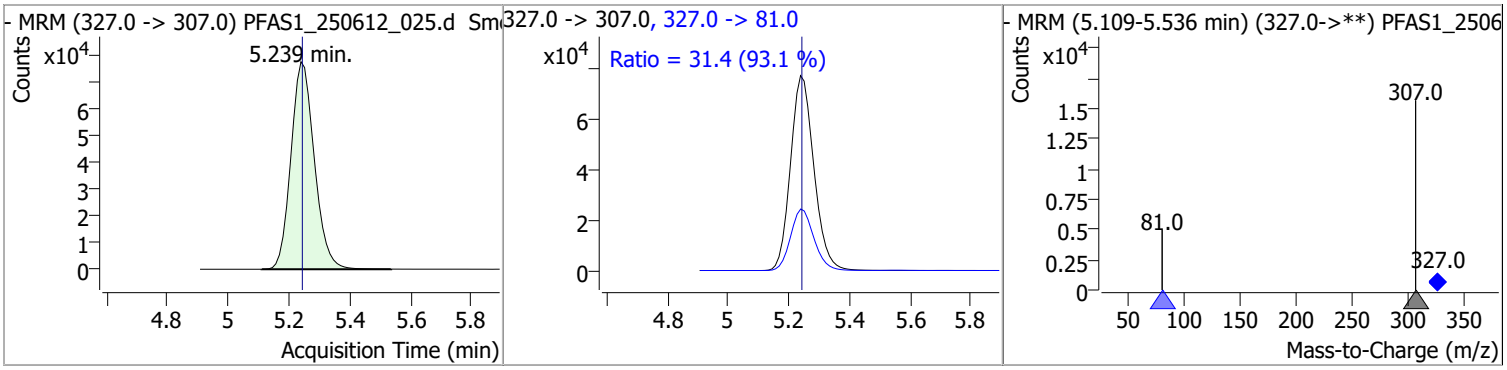
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	18.7549	4.91	0.00	669478				



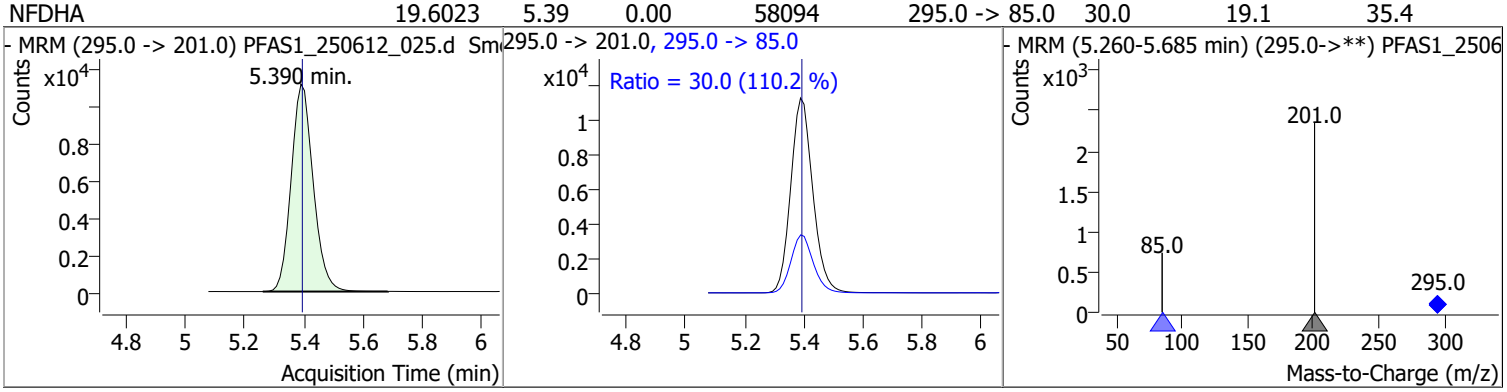
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.9904	5.24	0.00	16428	329.0 -> 309.0	455.1	292.1	542.4



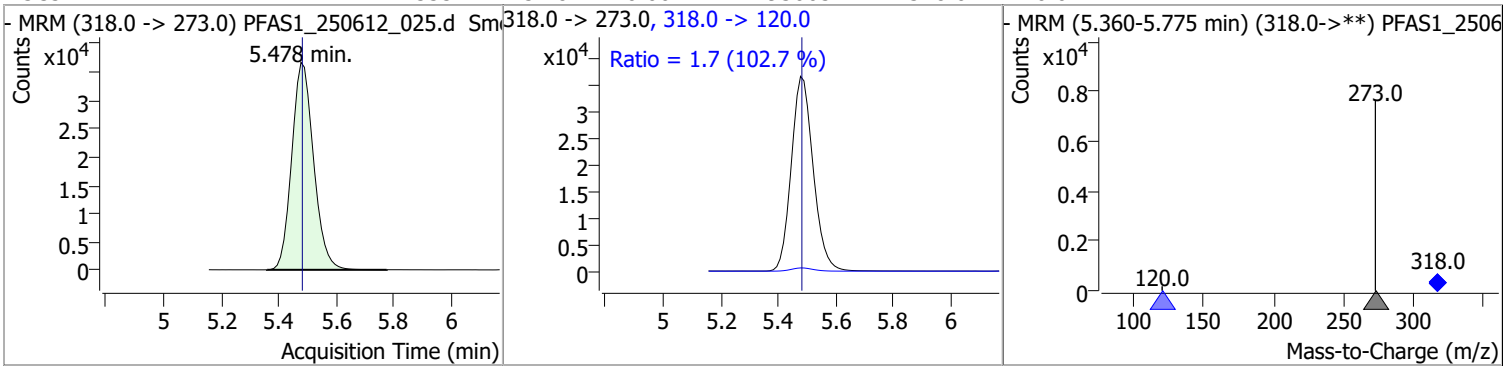
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.8946	5.24	0.00	412870	327.0 -> 81.0	31.4	23.6	43.9



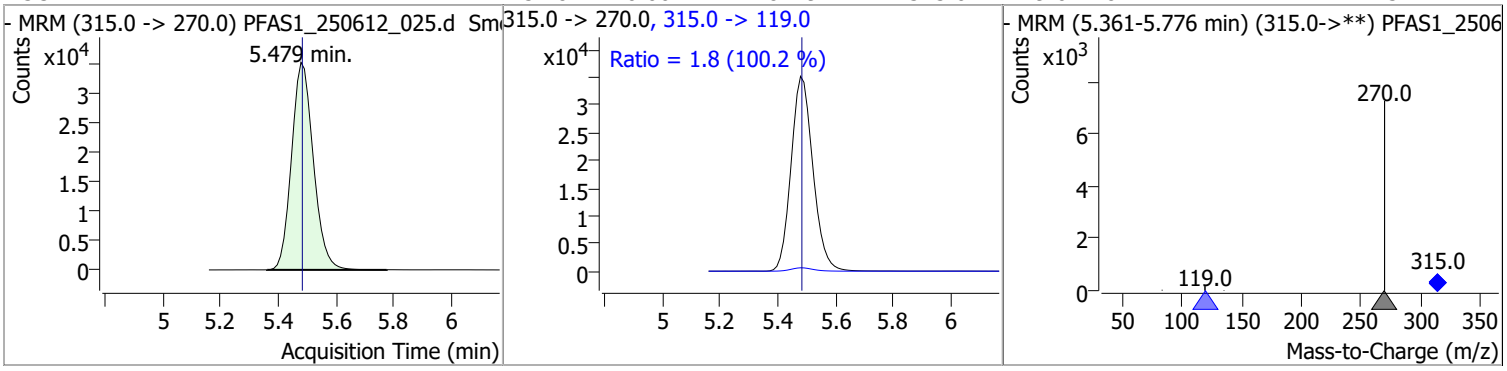
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	19.6023	5.39	0.00	58094	295.0 -> 85.0	30.0	19.1	35.4



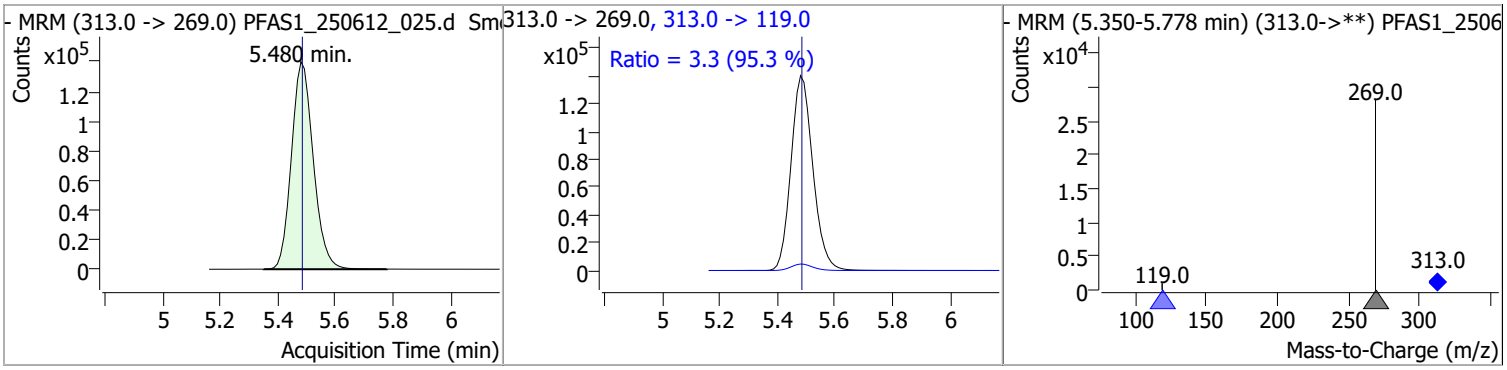
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5351	5.48	0.00	193005	318.0 -> 120.0	1.7	1.1	2.1



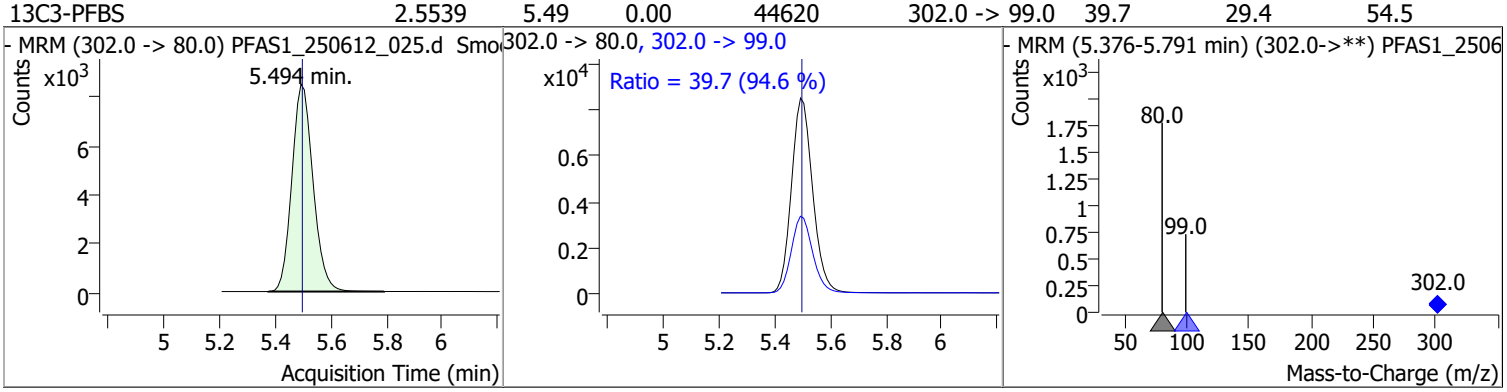
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	184794	315.0 -> 119.0	1.8	1.2	2.3



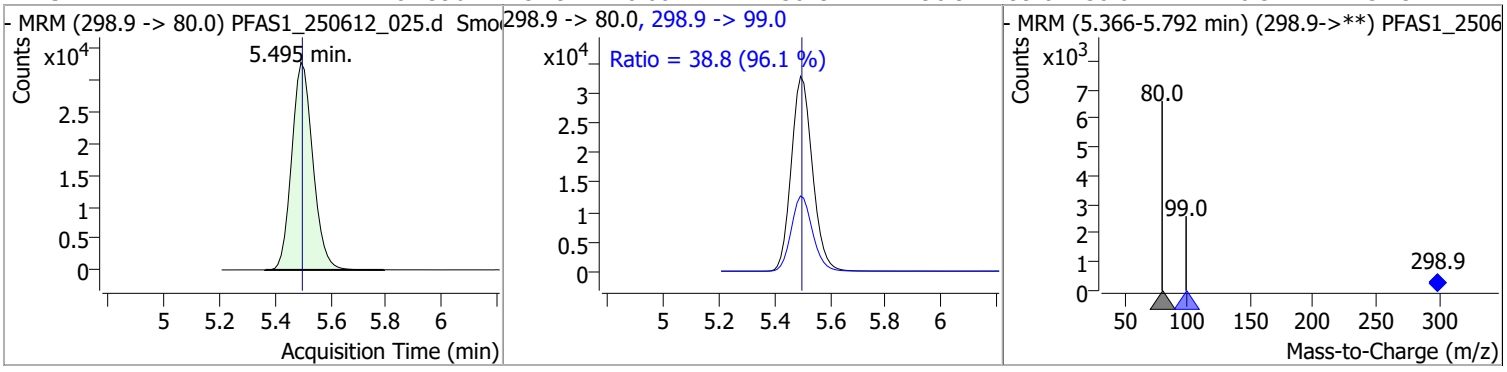
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.4630	5.48	0.00	737412	313.0 -> 119.0	3.3	2.4	4.5



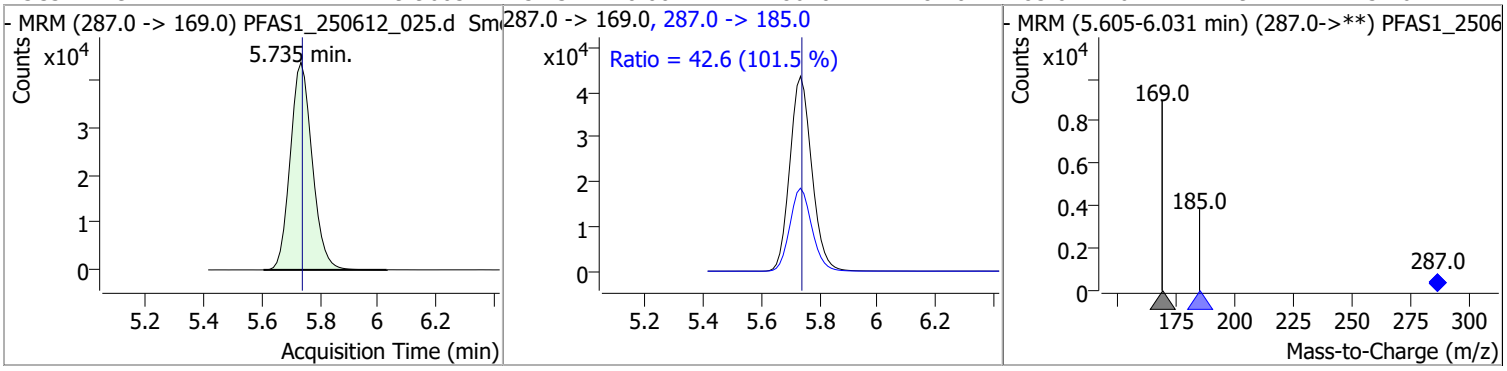
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5539	5.49	0.00	44620	302.0 -> 99.0	39.7	29.4	54.5



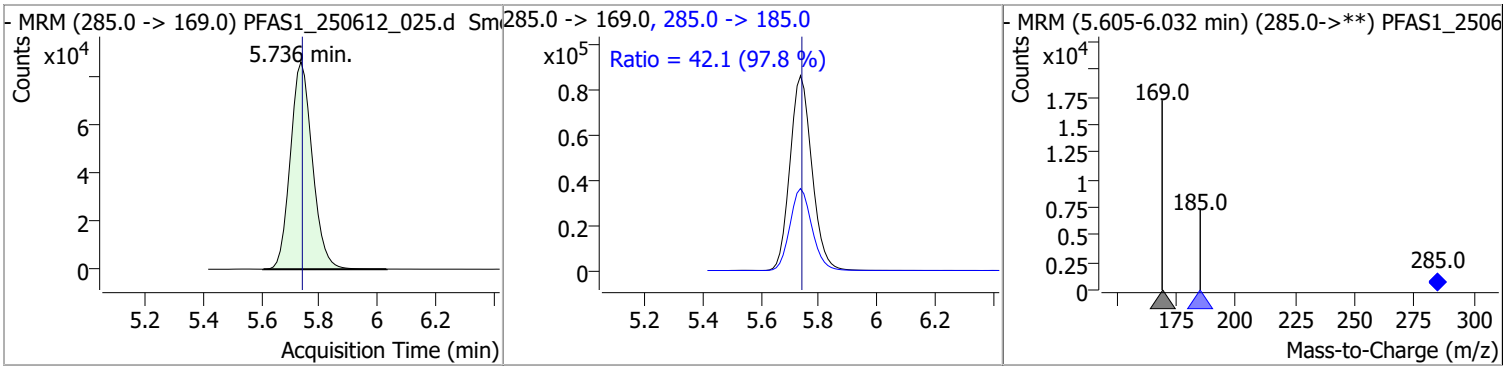
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.7996	5.49	0.00	173079	298.9 -> 99.0	38.8	28.3	52.5



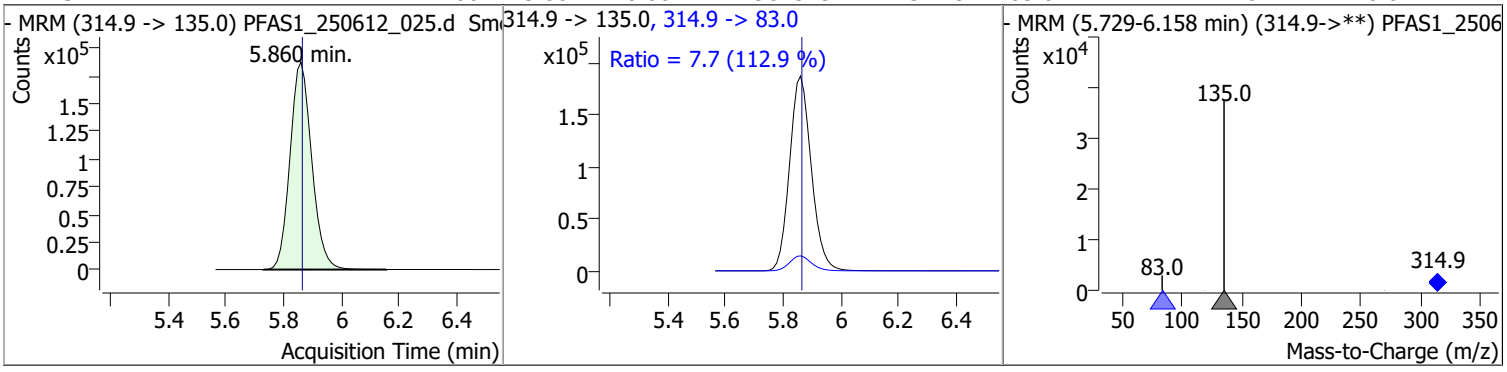
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9605	5.73	0.00	228640	287.0 -> 185.0	42.6	29.4	54.6



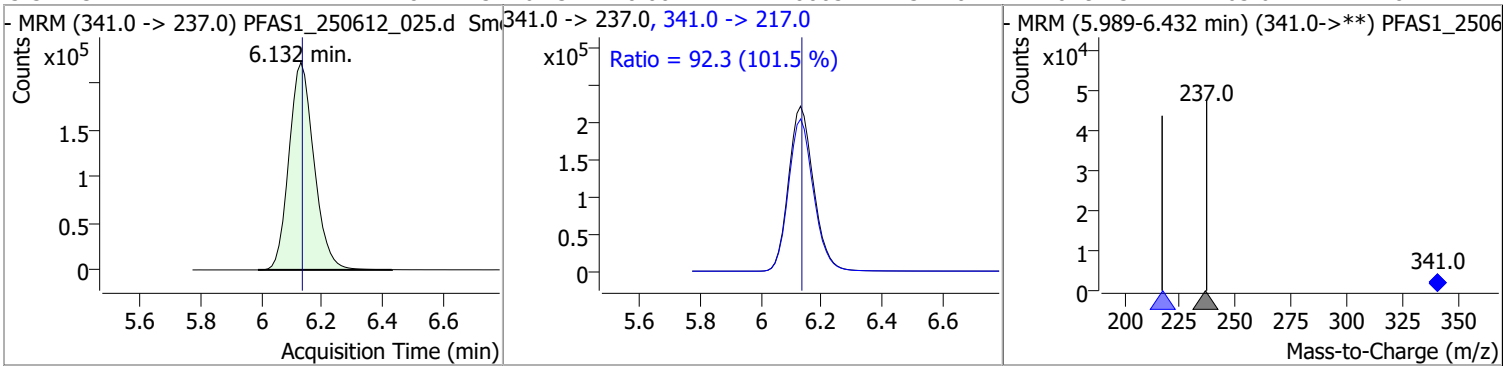
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	19.6827	5.74	0.00	453389	285.0 -> 185.0	42.1	30.1	56.0



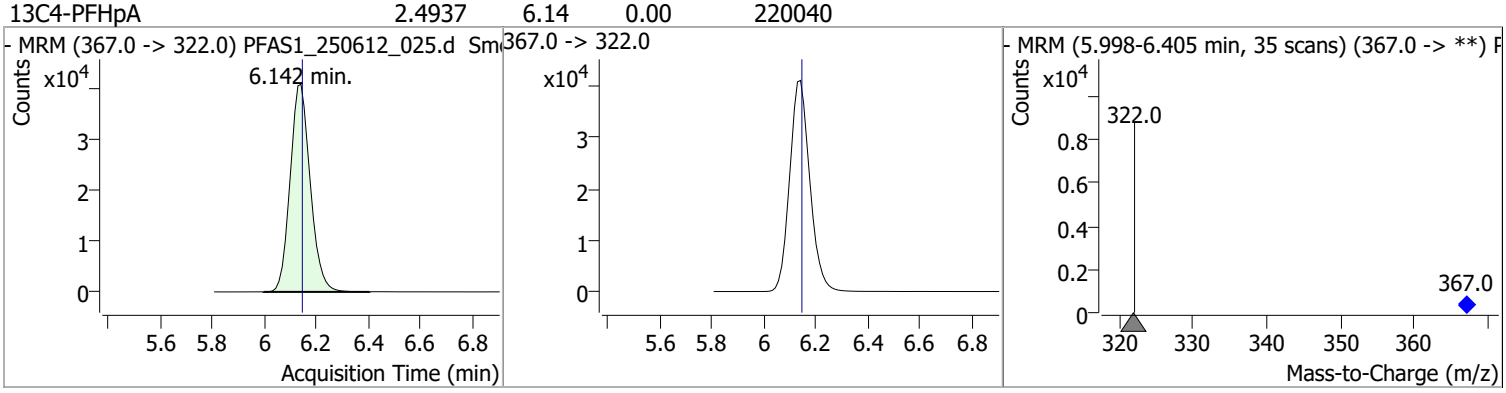
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.2160	5.86	0.00	984343	314.9 -> 83.0	7.7	4.8	8.8



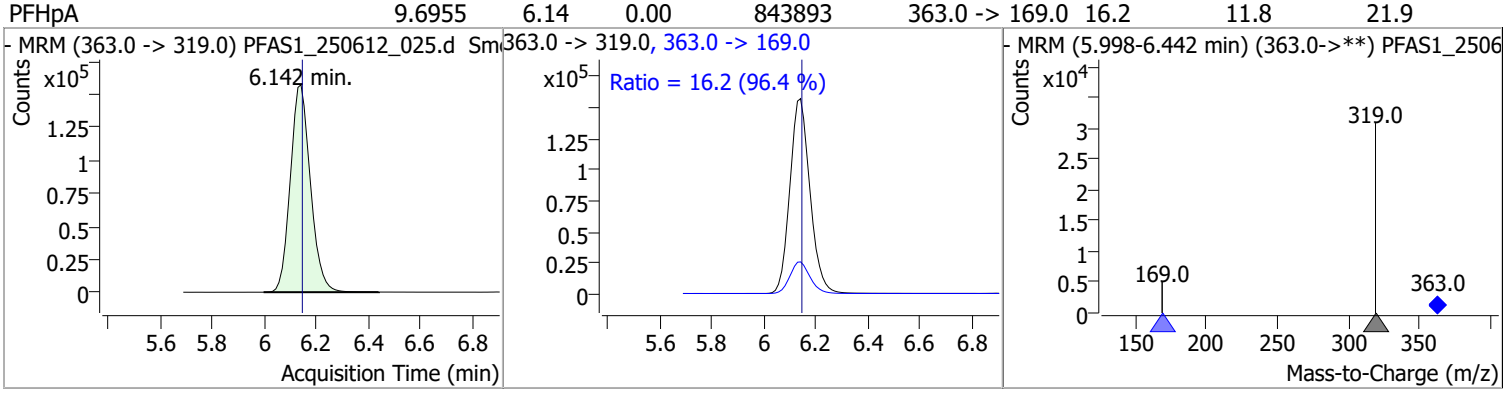
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	187.4175	6.13	0.00	1270005	341.0 -> 217.0	92.3	63.6	118.1



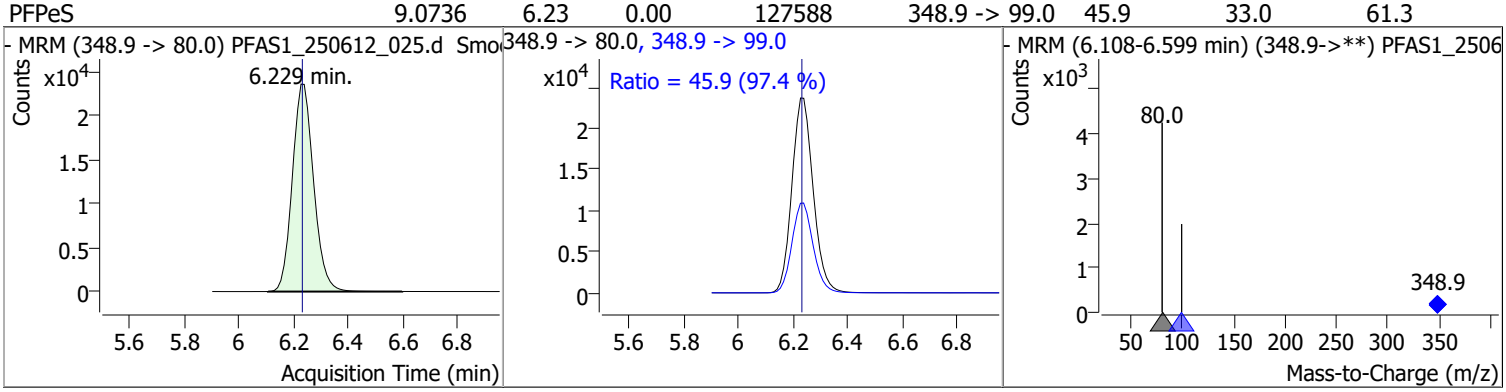
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.4937	6.14	0.00	220040				



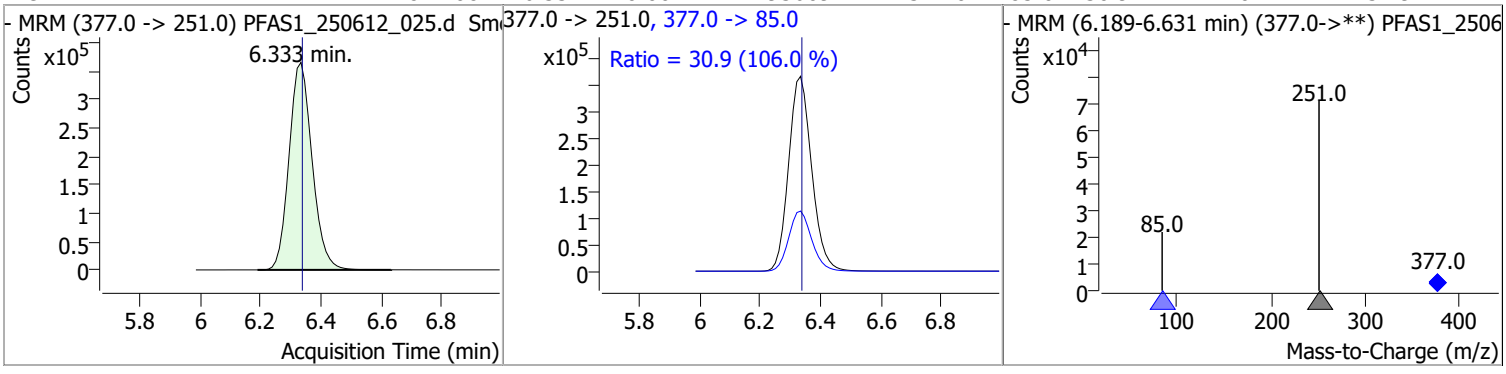
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.6955	6.14	0.00	843893	363.0 -> 169.0	16.2	11.8	21.9



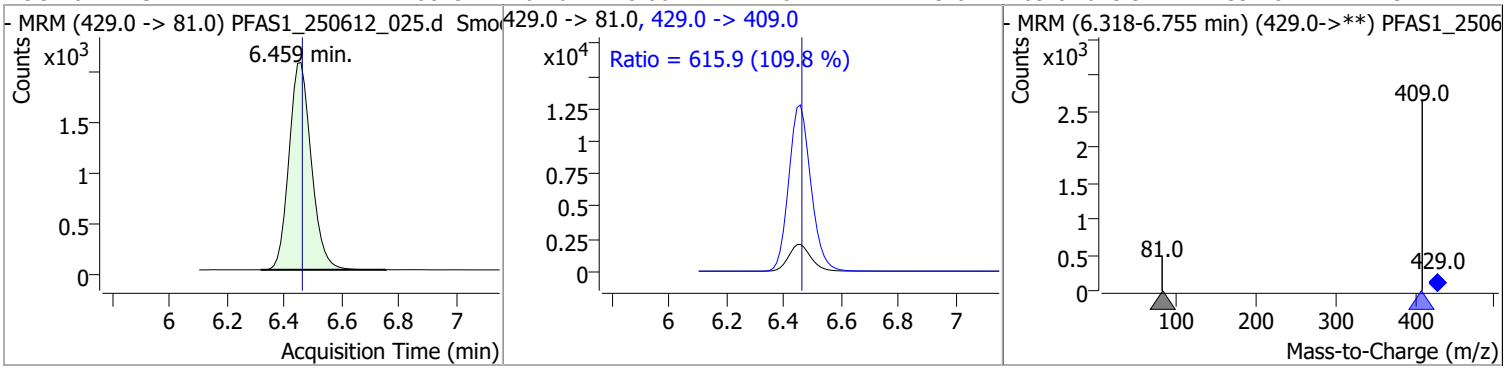
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.0736	6.23	0.00	127588	348.9 -> 99.0	45.9	33.0	61.3



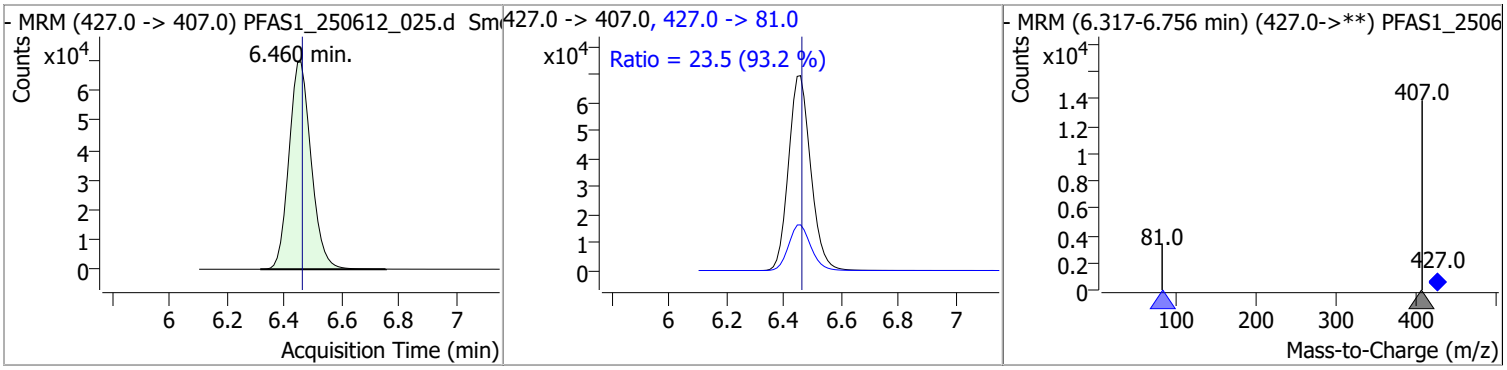
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.2108	6.33	0.00	1936097	377.0 -> 85.0	30.9	20.4	37.9



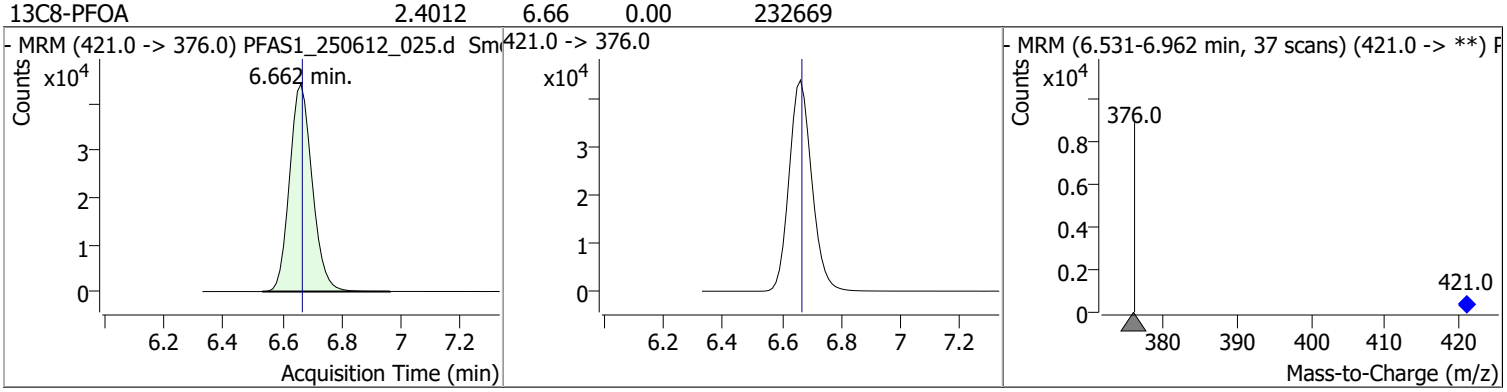
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	4.8019	6.46	0.00	11077	429.0 -> 409.0	615.9	392.8	729.4



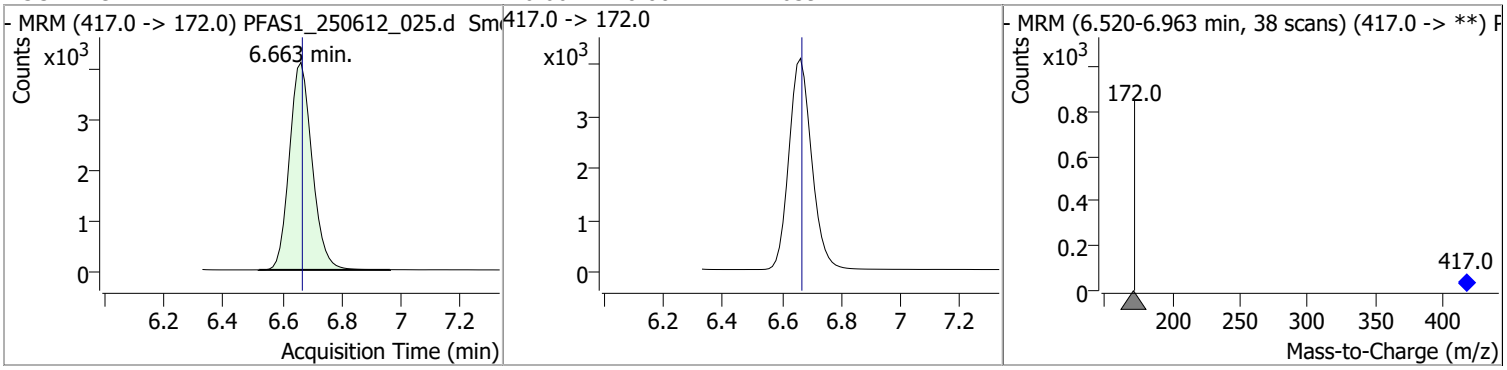
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	40.0727	6.46	0.00	375148	427.0 -> 81.0	23.5	17.7	32.8



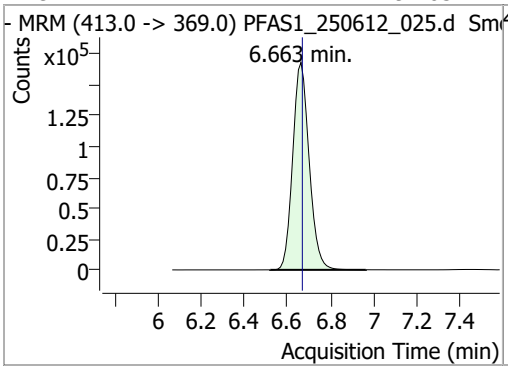
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4012	6.66	0.00	232669				

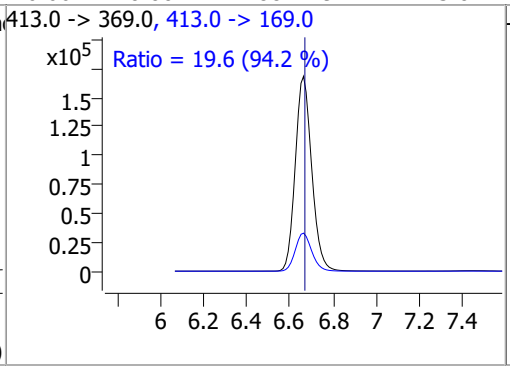


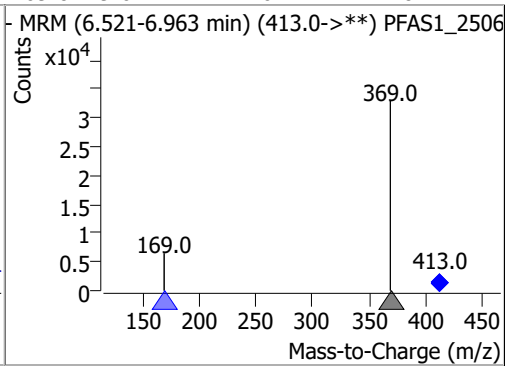
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	21639				



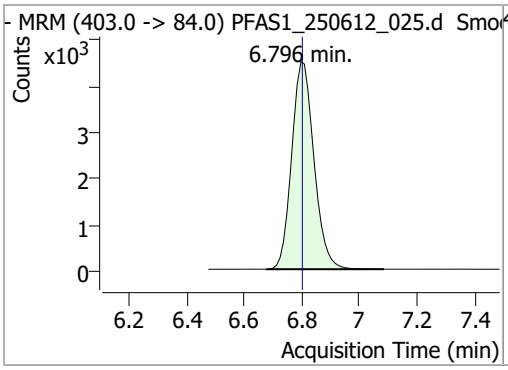
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.7031	6.66	0.00	887119	413.0 -> 169.0	19.6	14.6	27.0

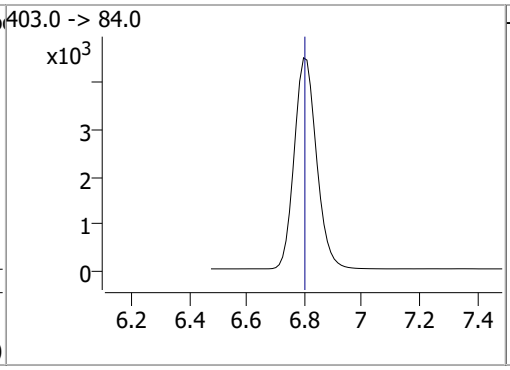


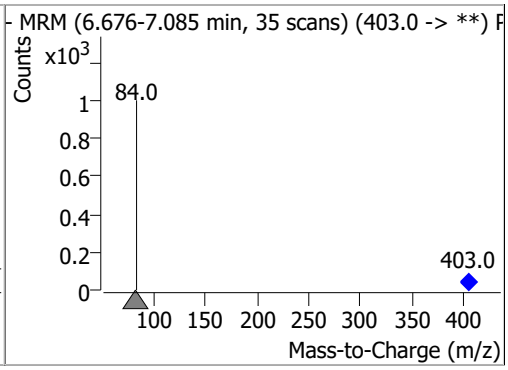




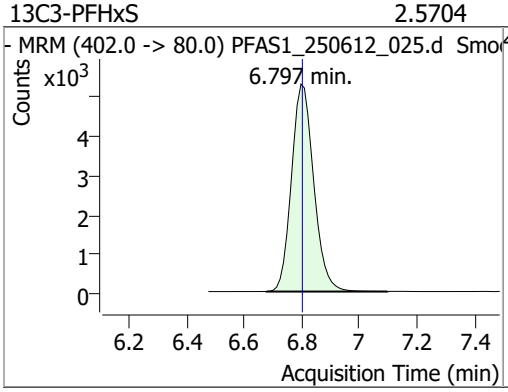
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24129				

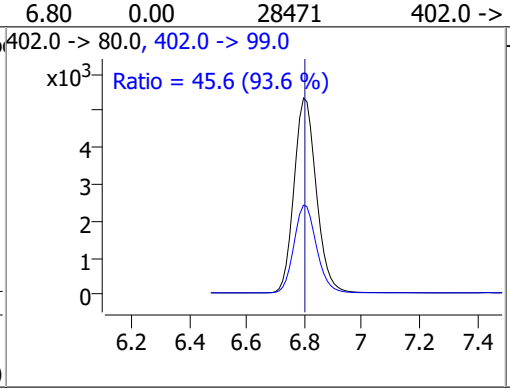


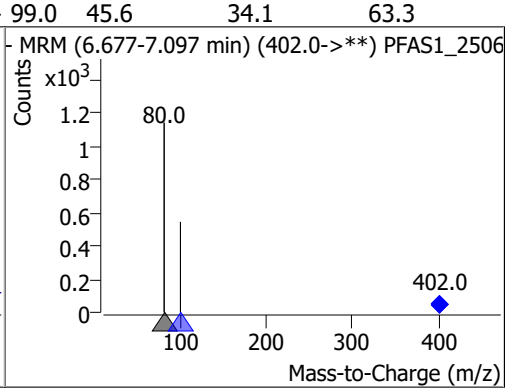




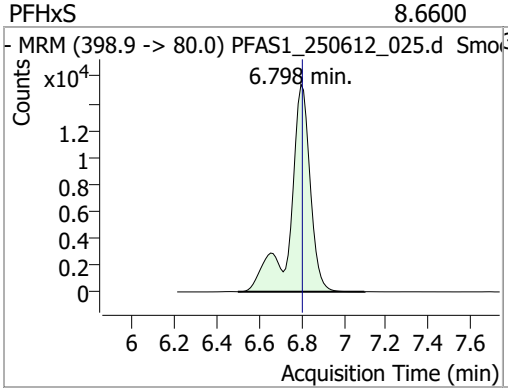
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5704	6.80	0.00	28471	402.0 -> 99.0	45.6	34.1	63.3

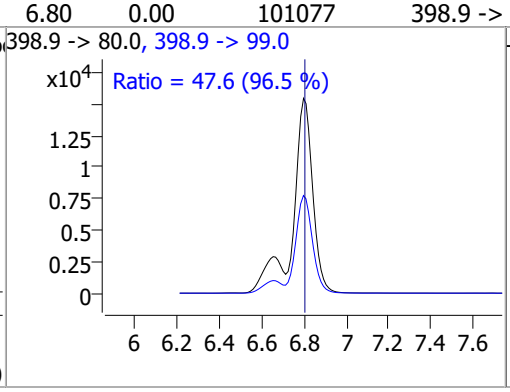


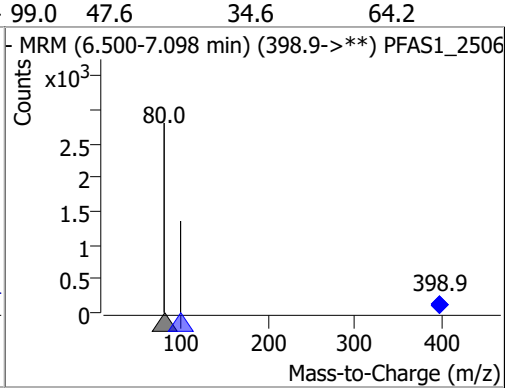




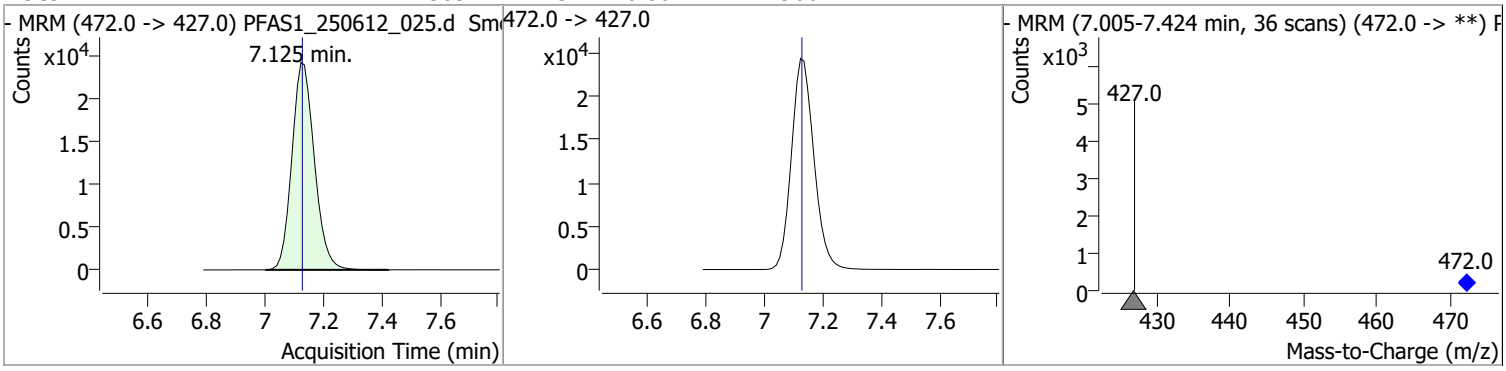
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	8.6600	6.80	0.00	101077	398.9 -> 99.0	47.6	34.6	64.2



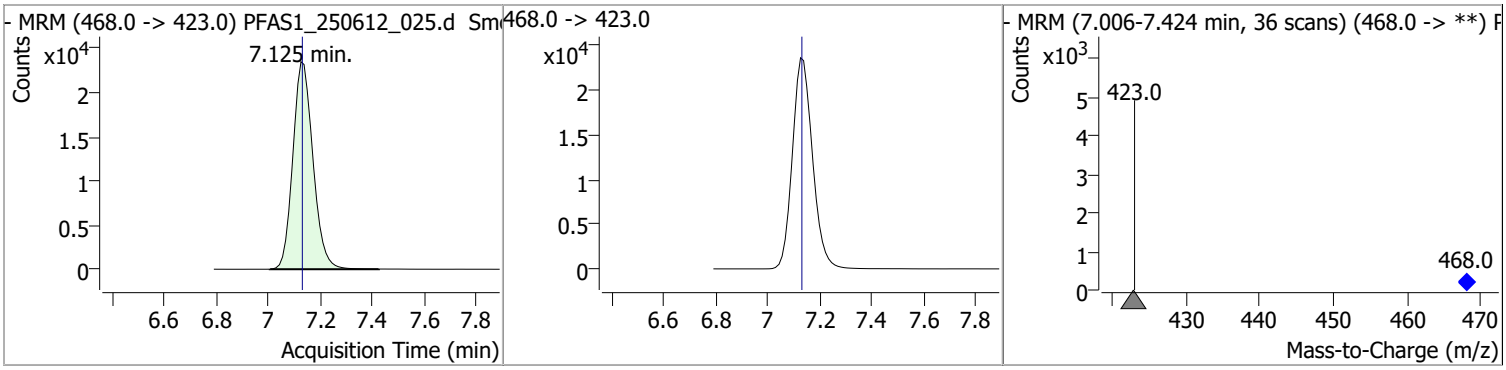




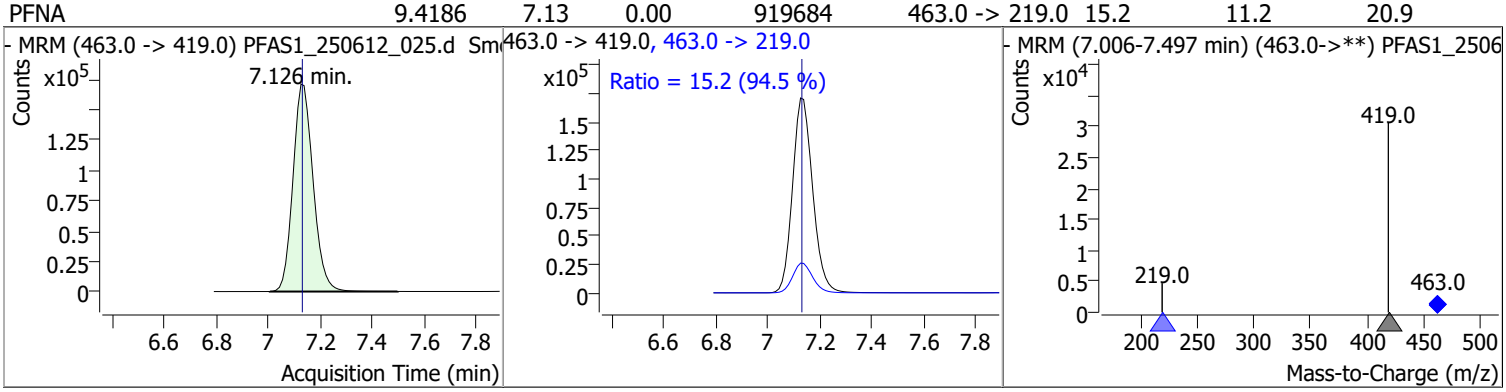
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2565	7.13	0.00	129662				



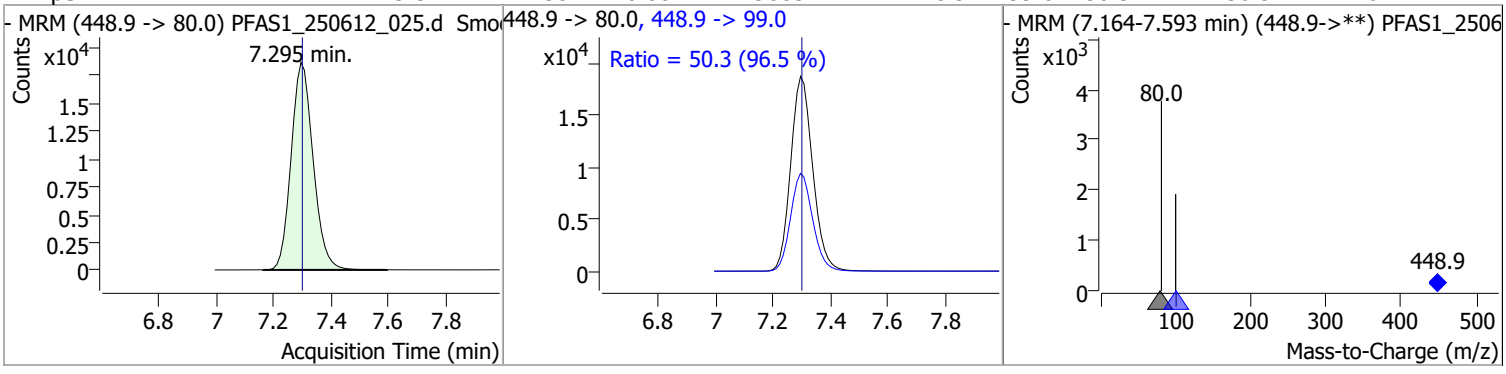
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	125843				



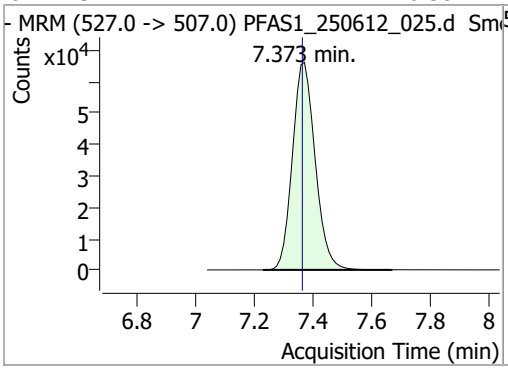
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.4186	7.13	0.00	919684	463.0 -> 219.0	15.2	11.2	20.9

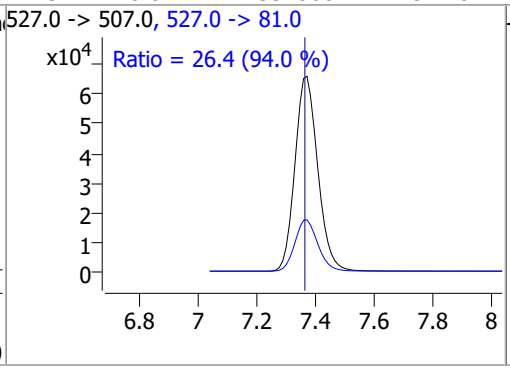


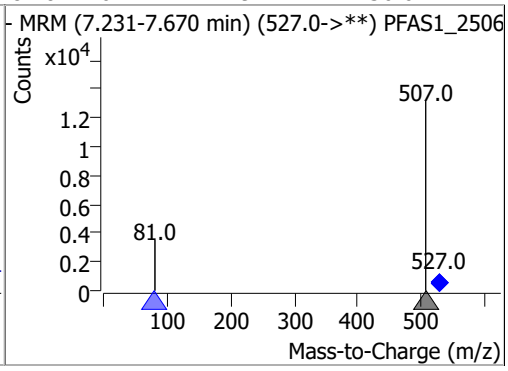
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.3212	7.30	0.00	98832	448.9 -> 99.0	50.3	36.5	67.7



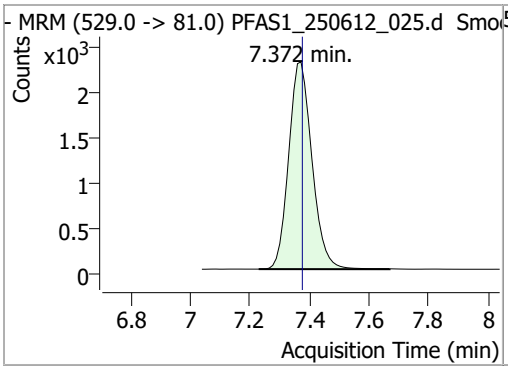
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	40.5877	7.37	0.01	357060	527.0 -> 81.0	26.4	19.7	36.6

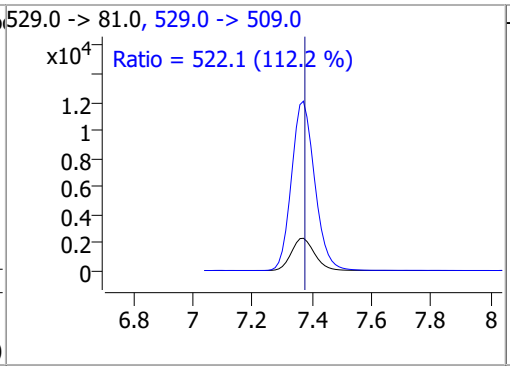


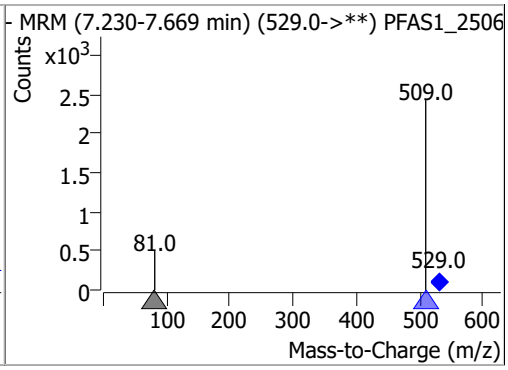




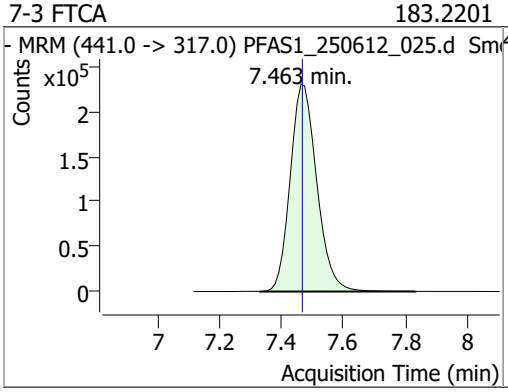
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9025	7.37	0.00	12383	529.0 -> 509.0	522.1	325.6	604.6

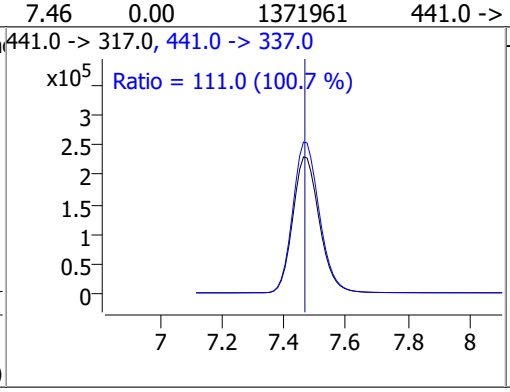


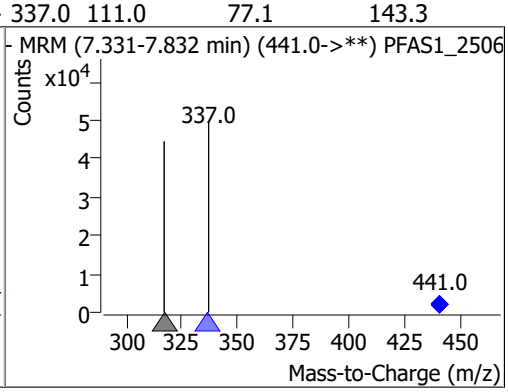




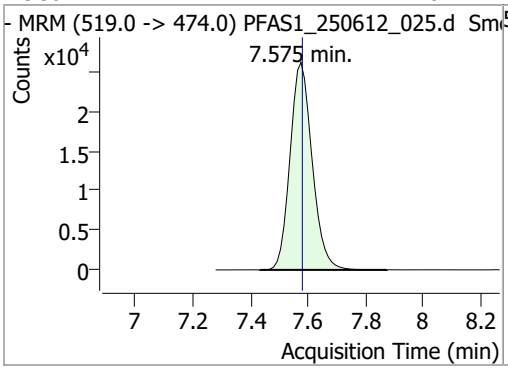
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	183.2201	7.46	0.00	1371961	441.0 -> 337.0	111.0	77.1	143.3

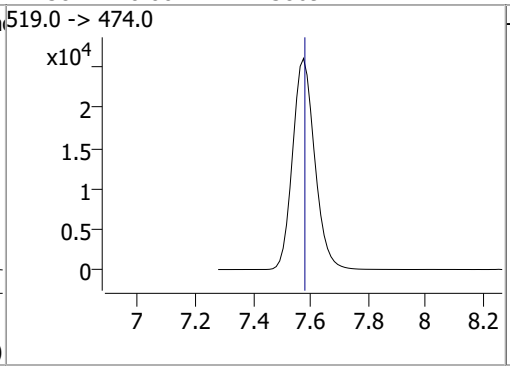


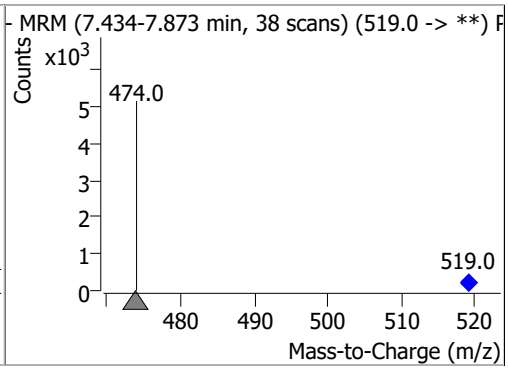




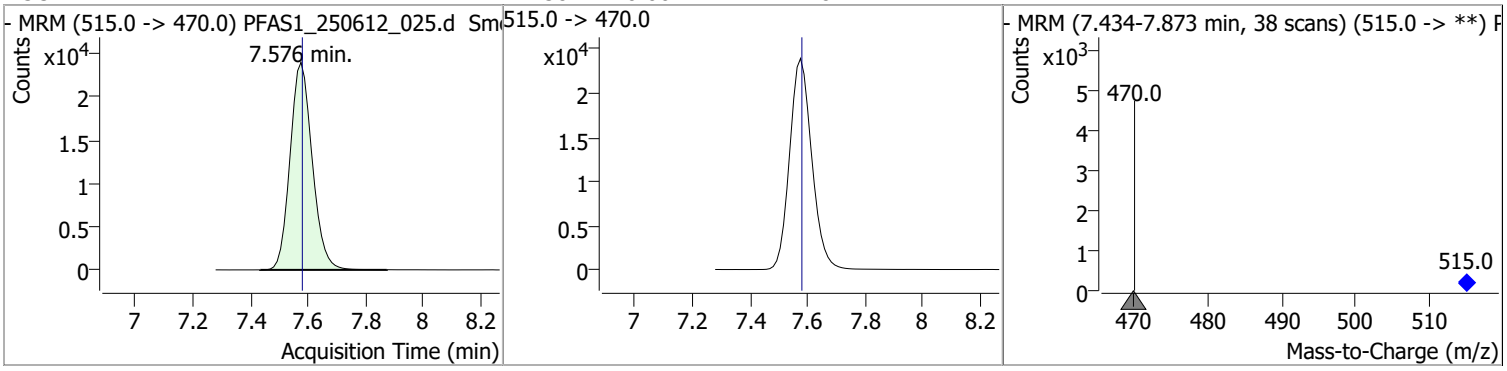
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2817	7.58	0.00	138697				



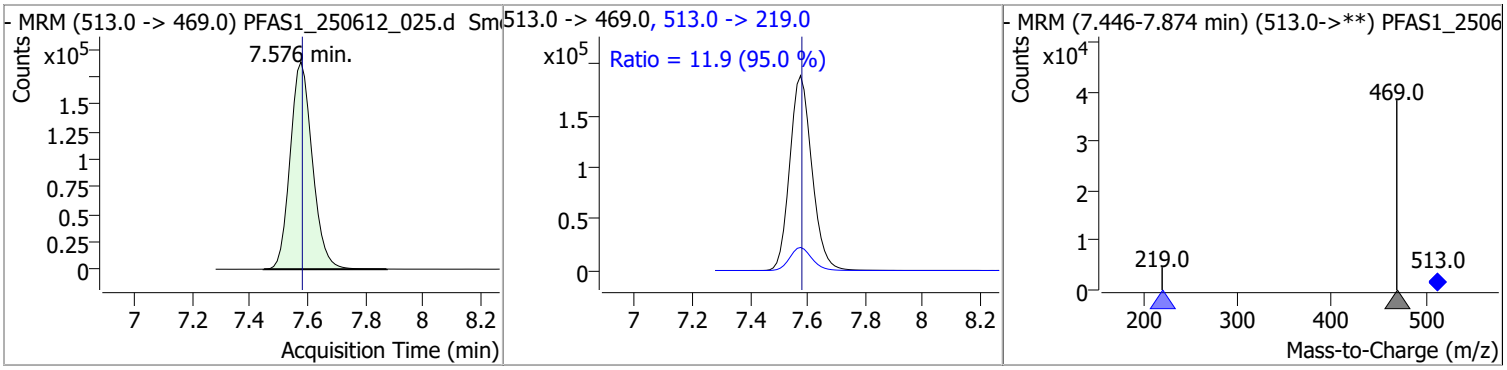




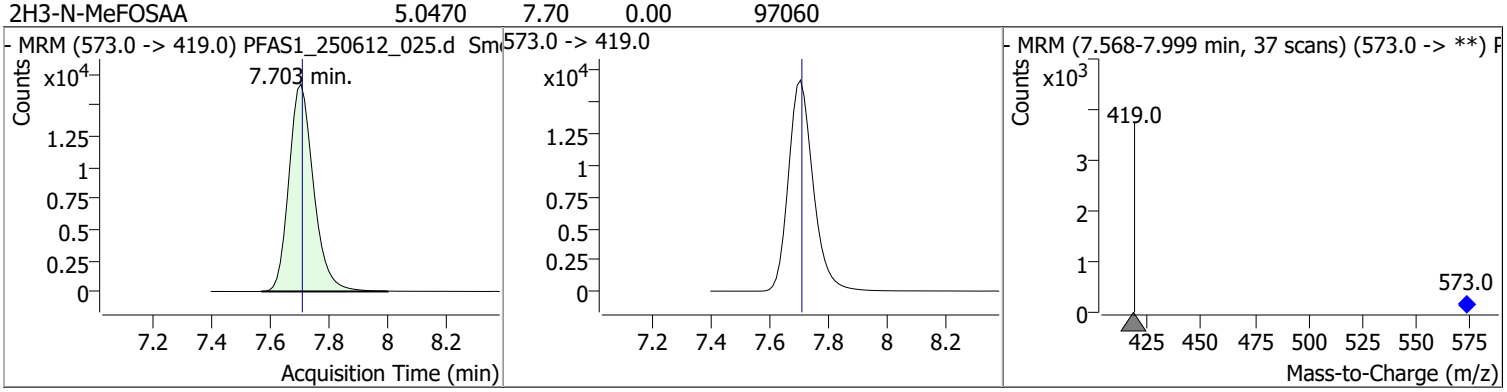
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	127428				



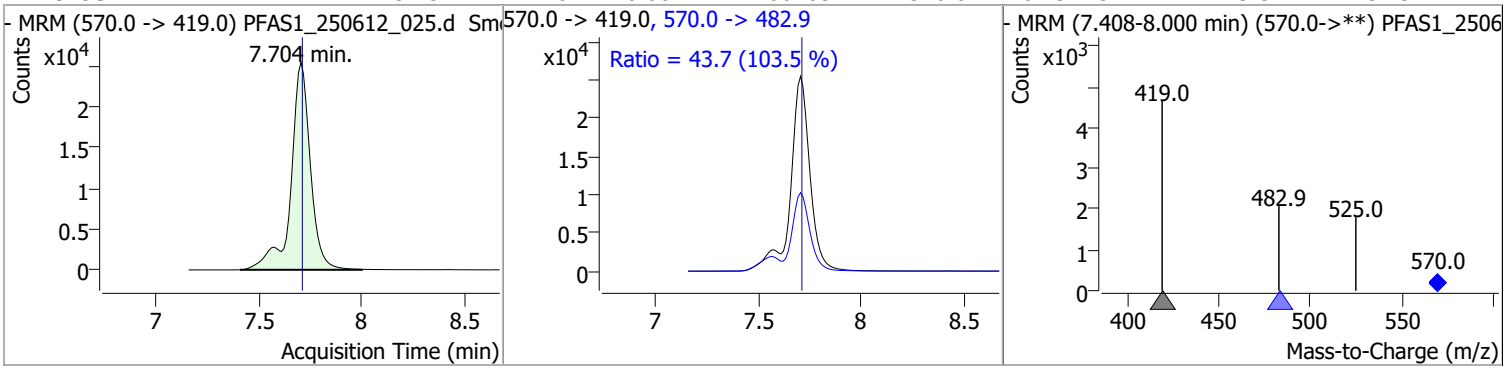
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.4630	7.58	0.00	1004740	513.0 -> 219.0	11.9	8.7	16.2



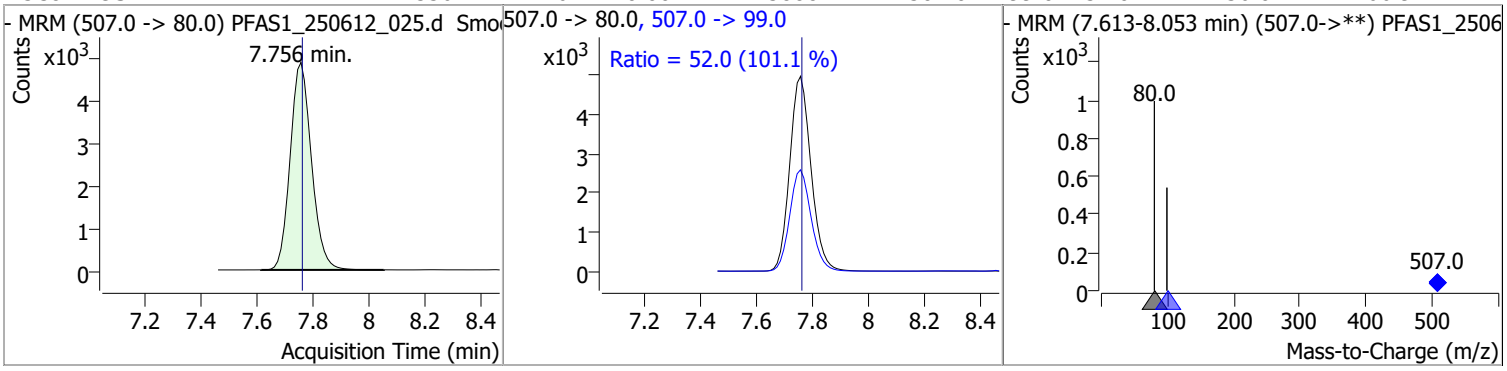
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.0470	7.70	0.00	97060				



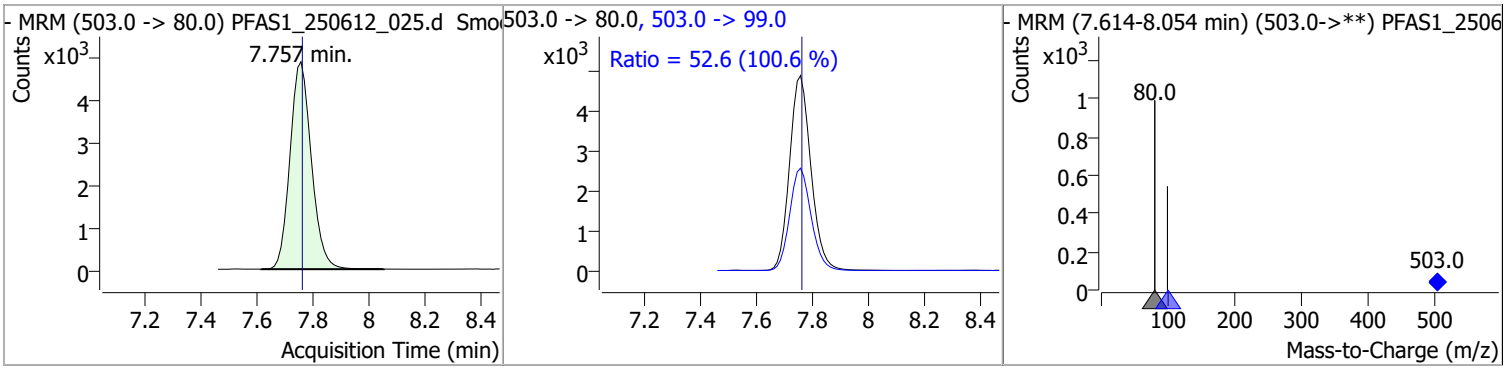
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.7544	7.70	0.00	166705	570.0 -> 482.9	43.7	29.5	54.9



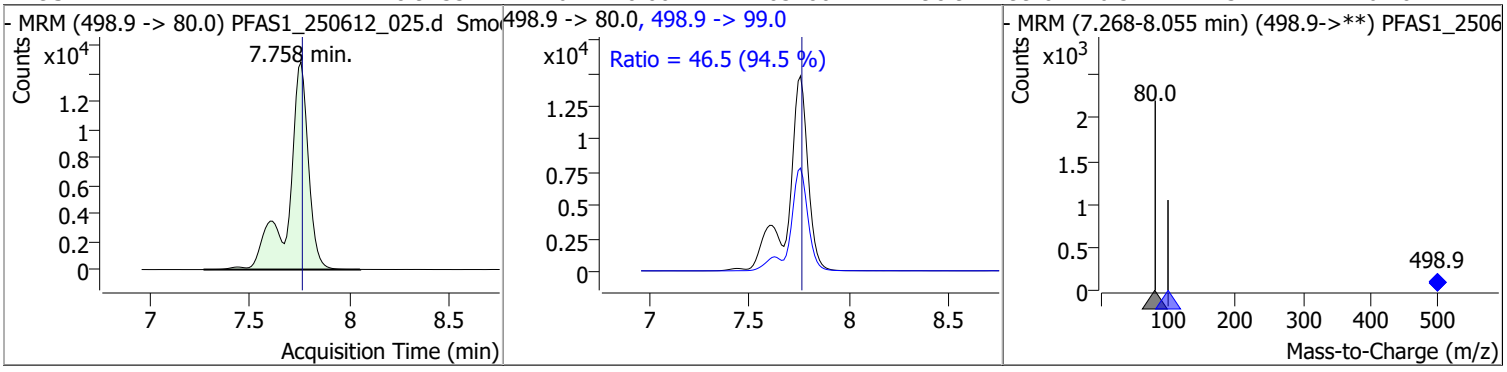
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5364	7.76	0.00	25888	507.0 -> 99.0	52.0	36.0	66.9



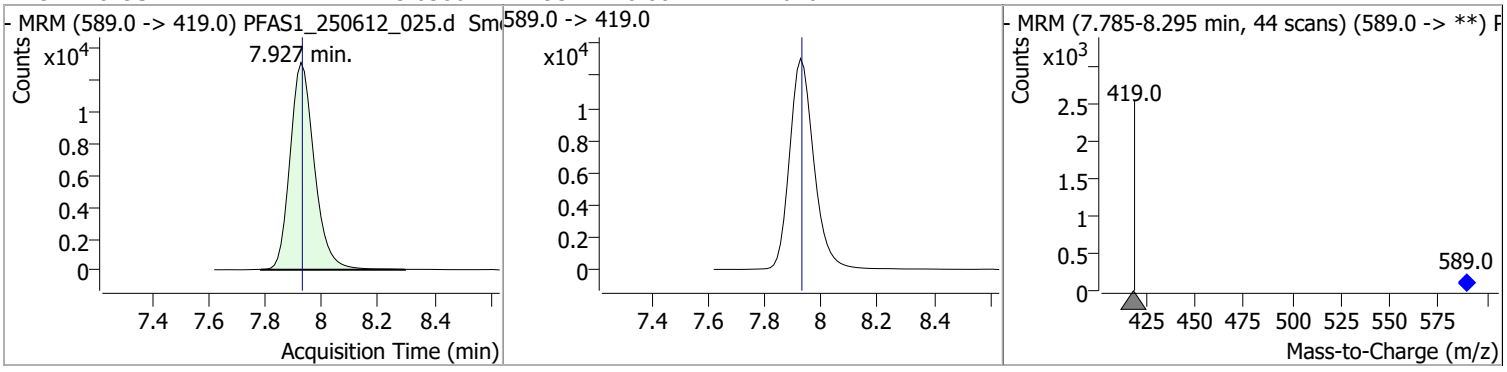
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25756	503.0 -> 99.0	52.6	36.6	67.9



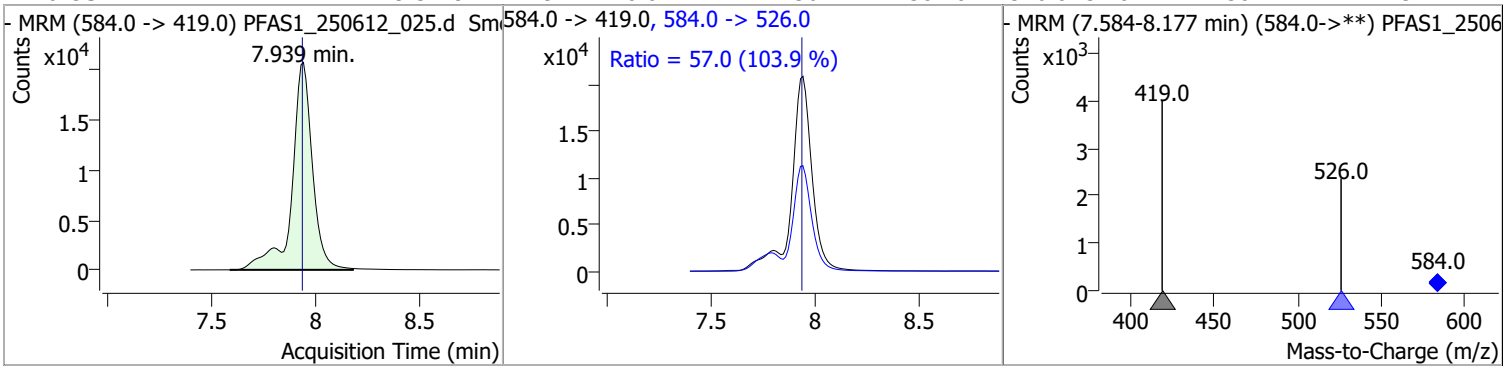
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.9133	7.76	0.00	103280	498.9 -> 99.0	46.5	34.4	64.0



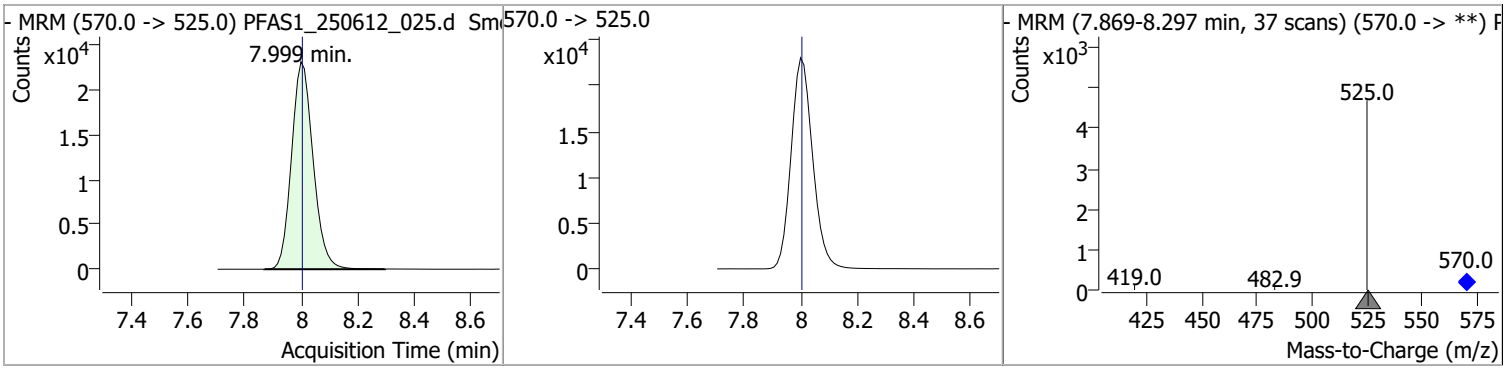
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.0386	7.93	0.00	77648				



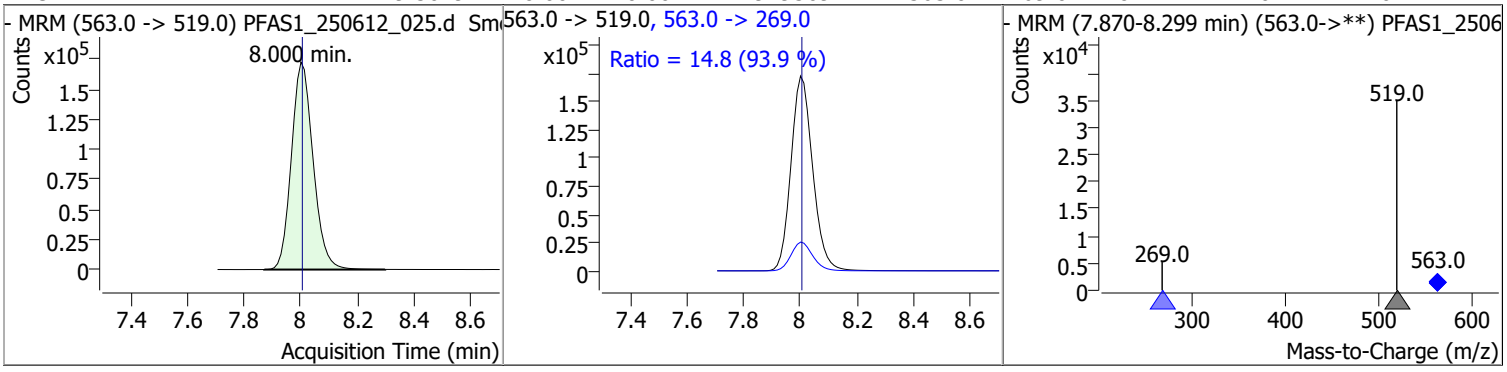
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.5129	7.94	0.01	142567	584.0 -> 526.0	57.0	38.4	71.3



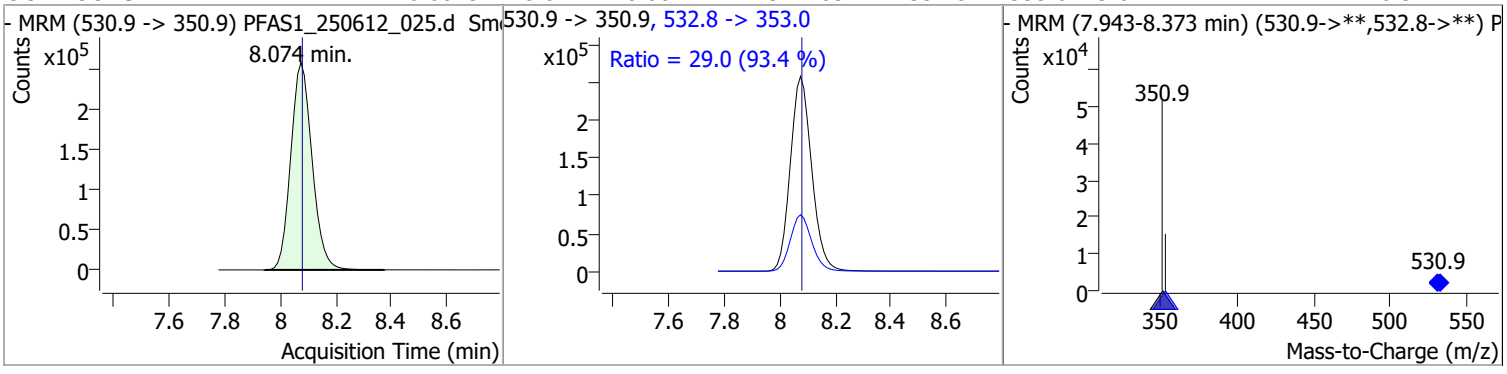
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.3009	8.00	0.00	122230				



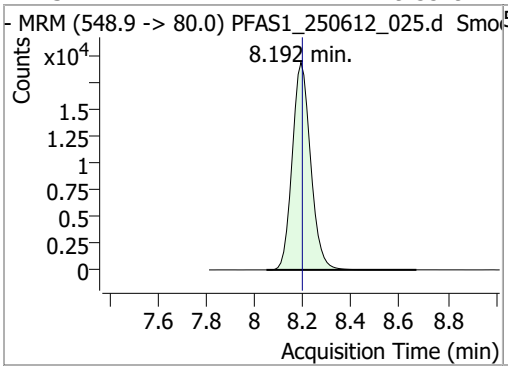
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.5029	8.00	0.00	919509	563.0 -> 269.0	14.8	11.0	20.4

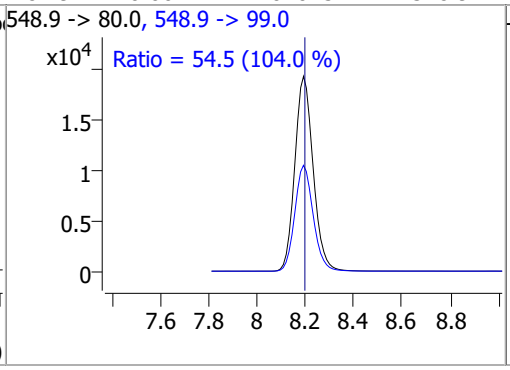


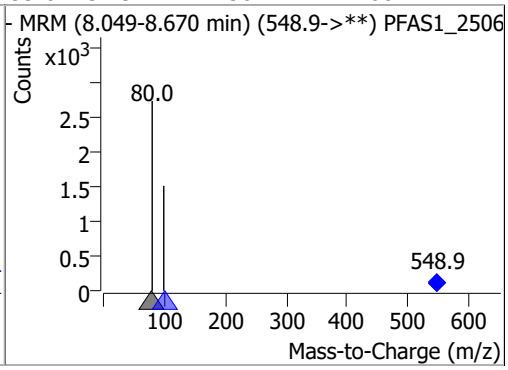
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.6043	8.07	0.00	1372705	532.8 -> 353.0	29.0	21.7	40.3



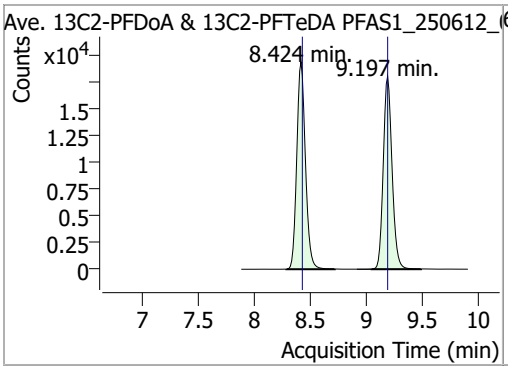
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.3579	8.19	0.00	102075	548.9 -> 99.0	54.5	36.7	68.1

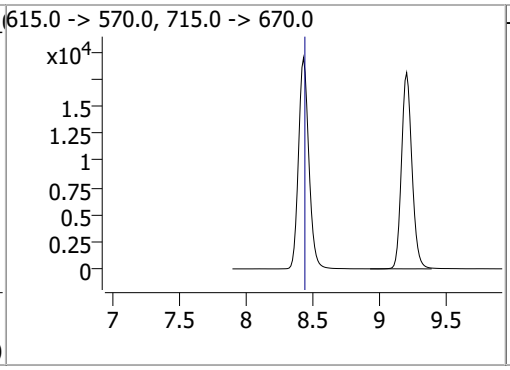


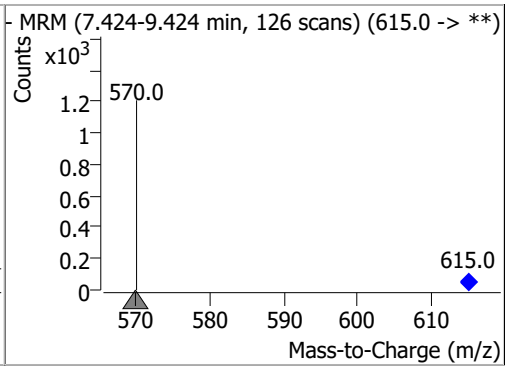




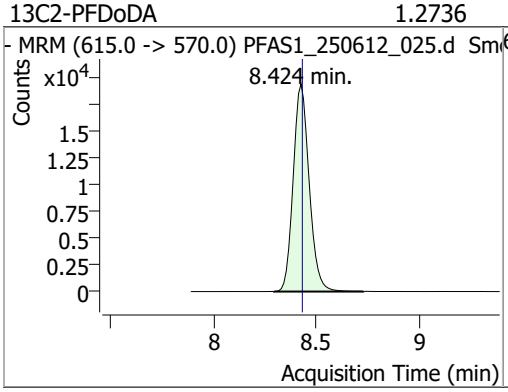
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2547	8.81	0.39	101284				

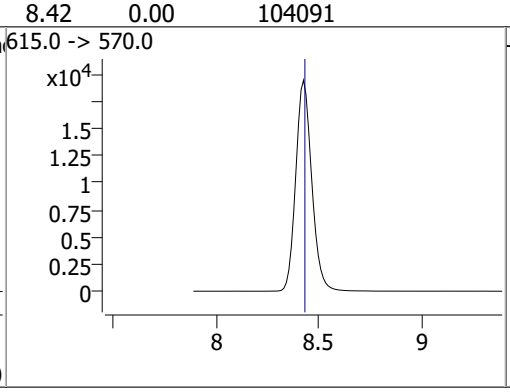


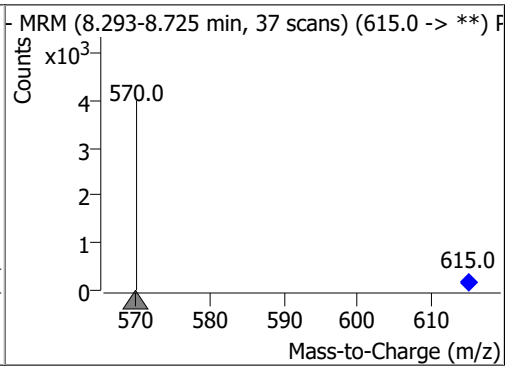




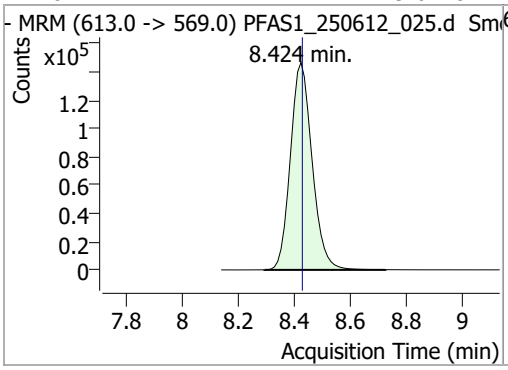
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2736	8.42	0.00	104091				

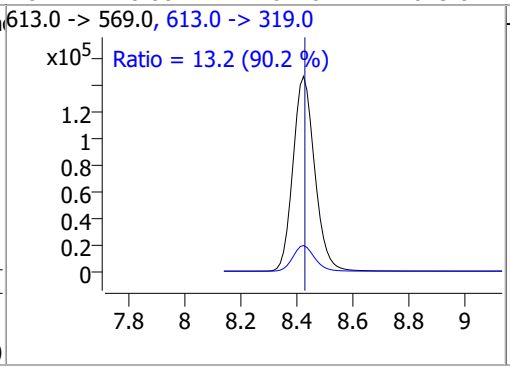


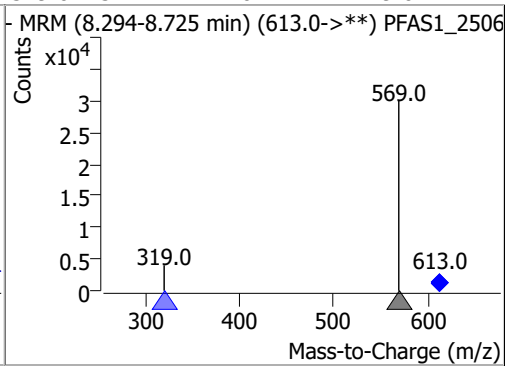




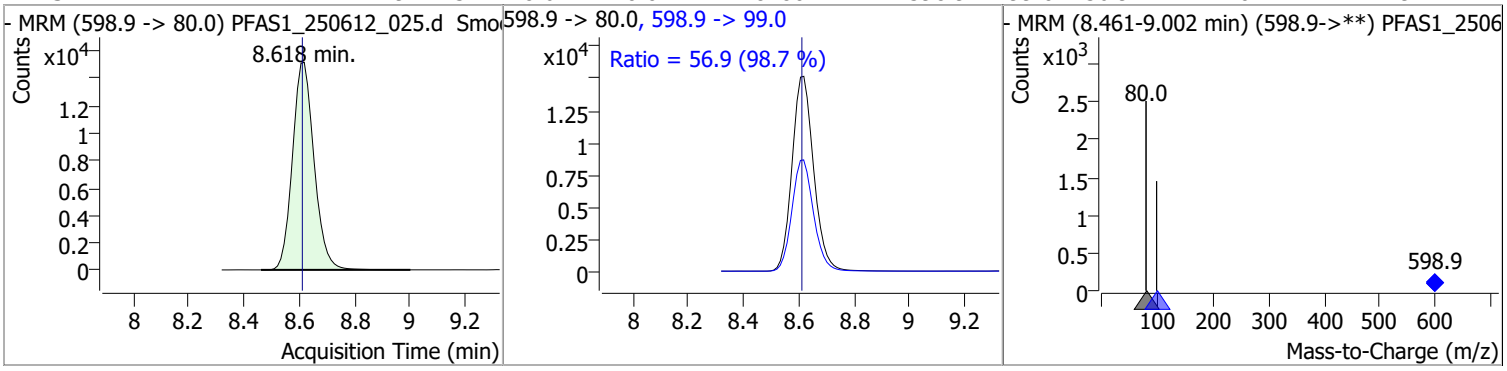
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.6228	8.42	0.00	787782	613.0 -> 319.0	13.2	10.2	19.0



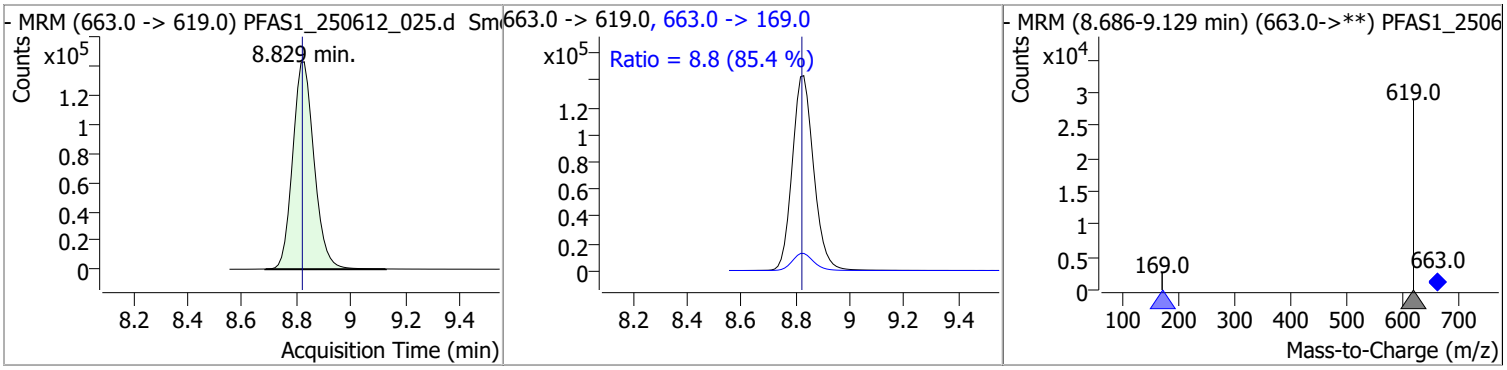




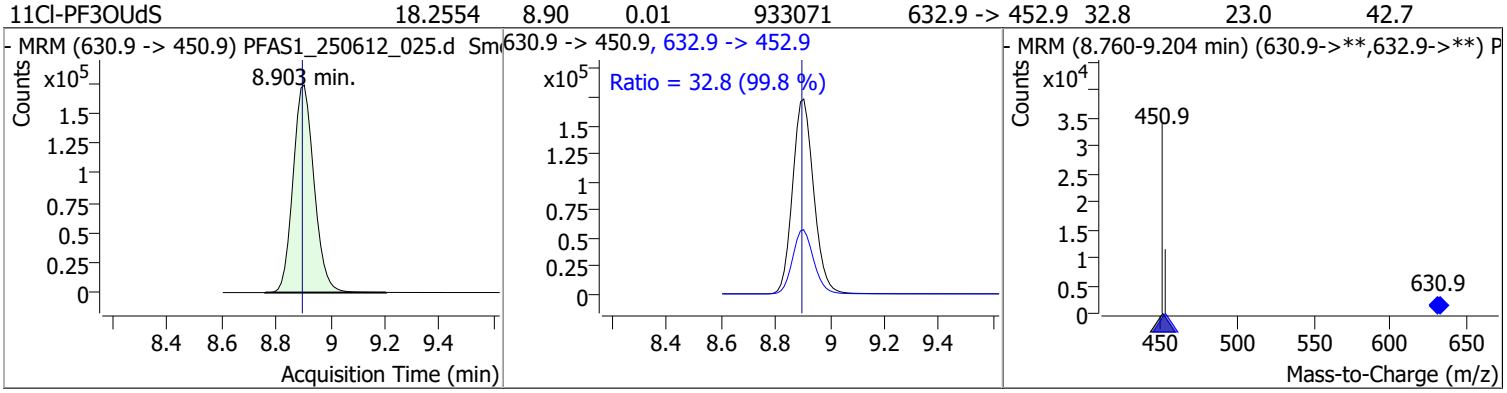
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	9.1113	8.62	0.01	81804	598.9 -> 99.0	56.9	40.4	74.9



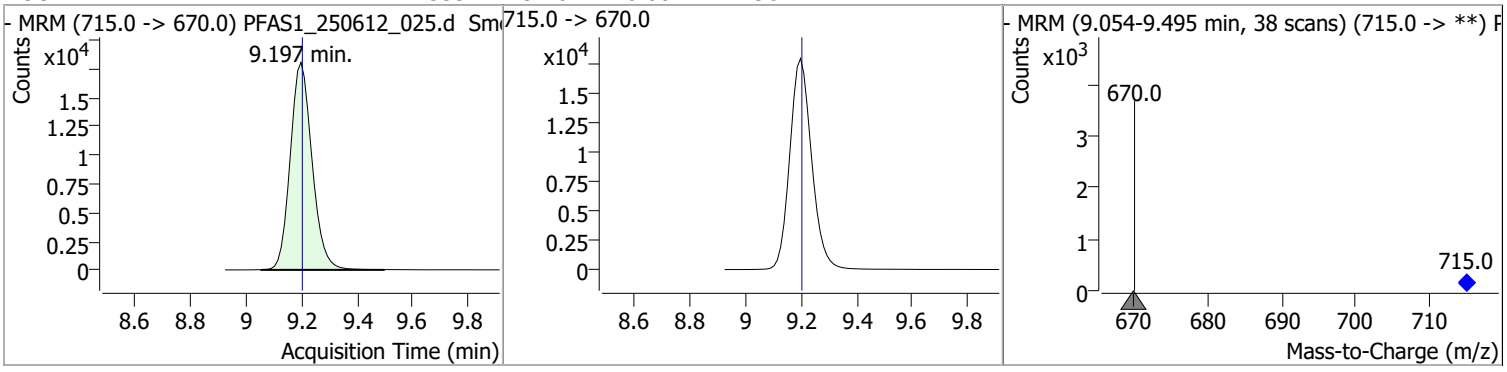
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.7360	8.83	0.01	782696	663.0 -> 169.0	8.8	7.2	13.4



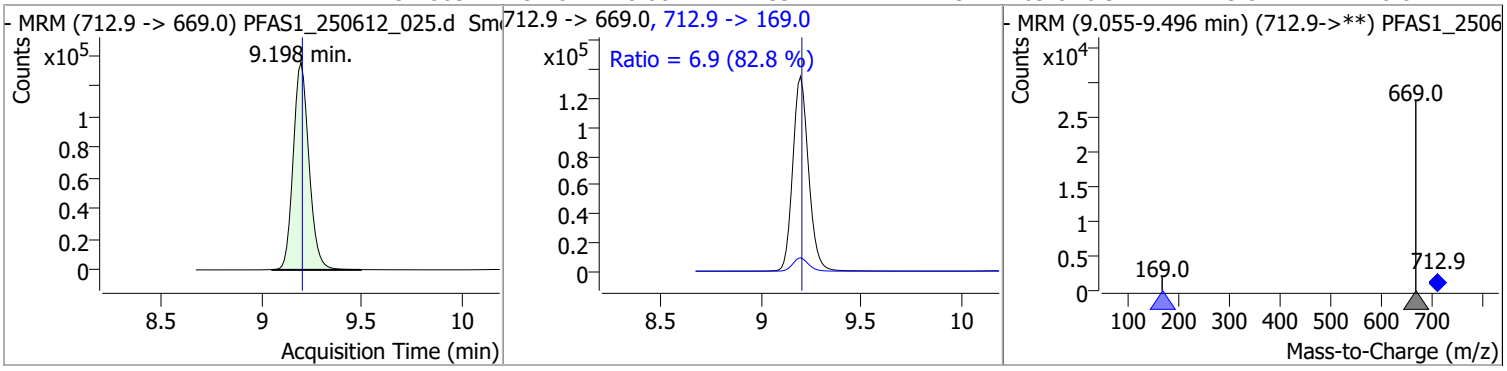
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	18.2554	8.90	0.01	933071	632.9 -> 452.9	32.8	23.0	42.7



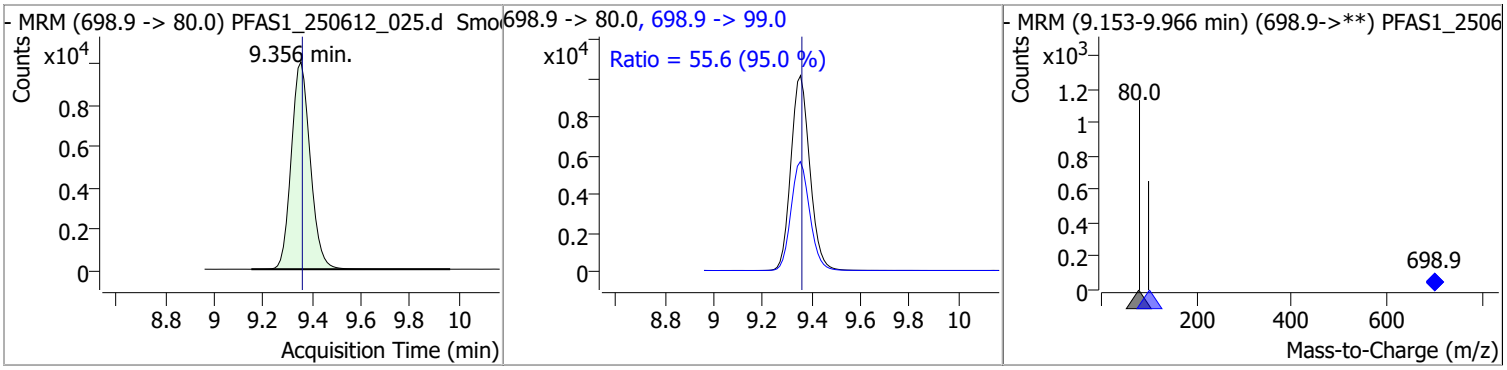
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2355	9.20	0.00	98477				



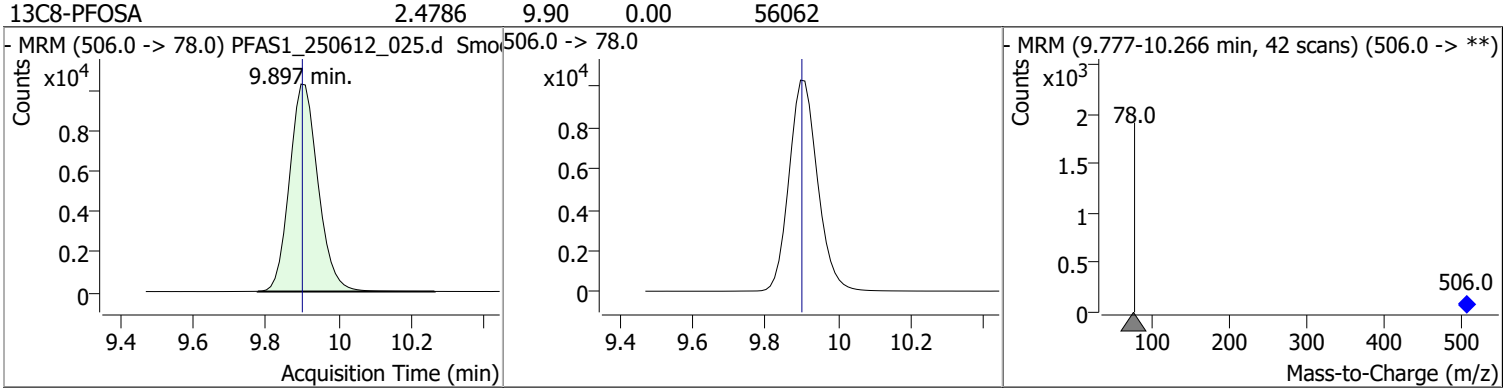
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.7863	9.20	0.00	739427	712.9 -> 169.0	6.9	5.8	10.8



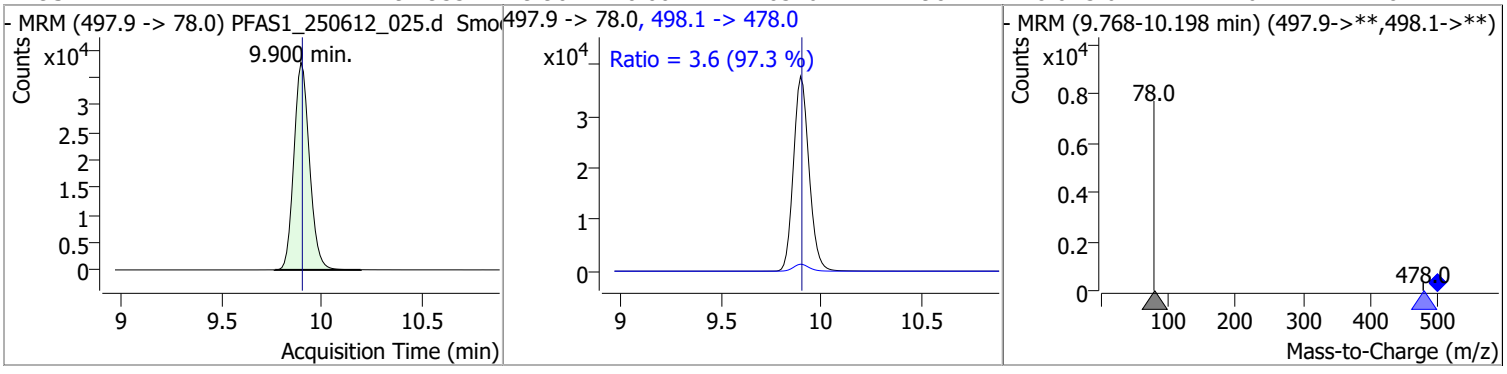
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.1412	9.36	0.00	53993	698.9 -> 99.0	55.6	41.0	76.1



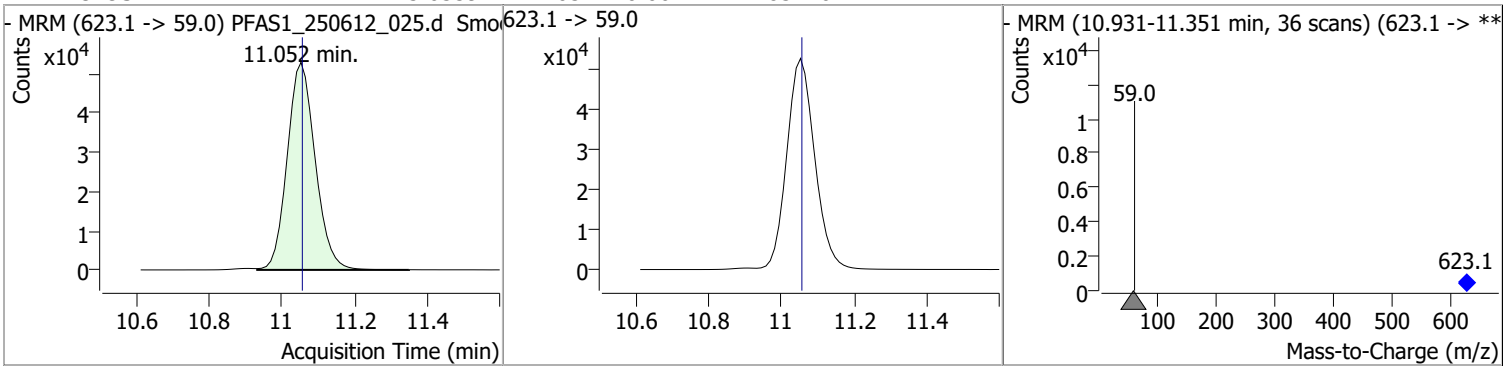
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4786	9.90	0.00	56062				



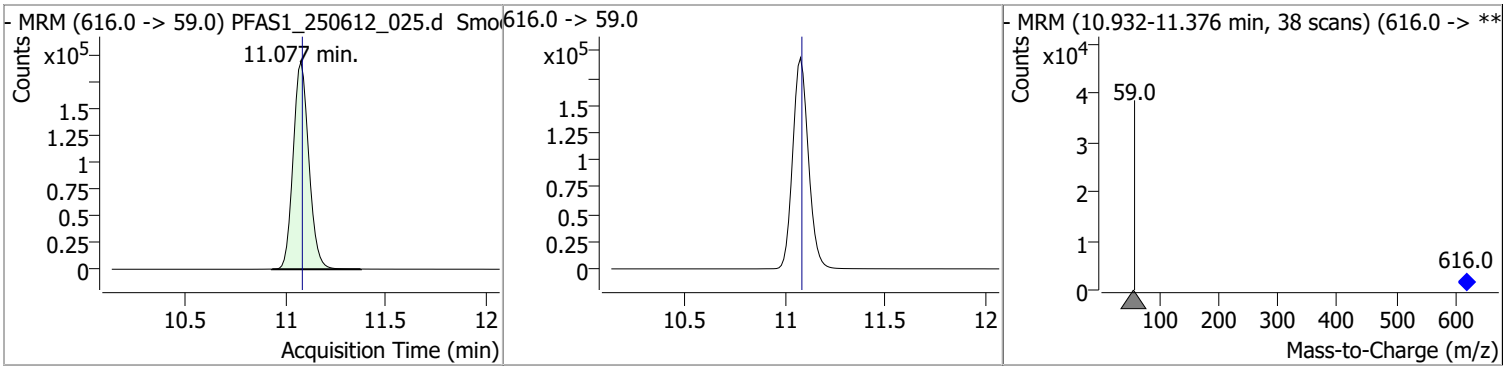
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.7933	9.90	0.00	203264	498.1 -> 478.0	3.6	2.6	4.8



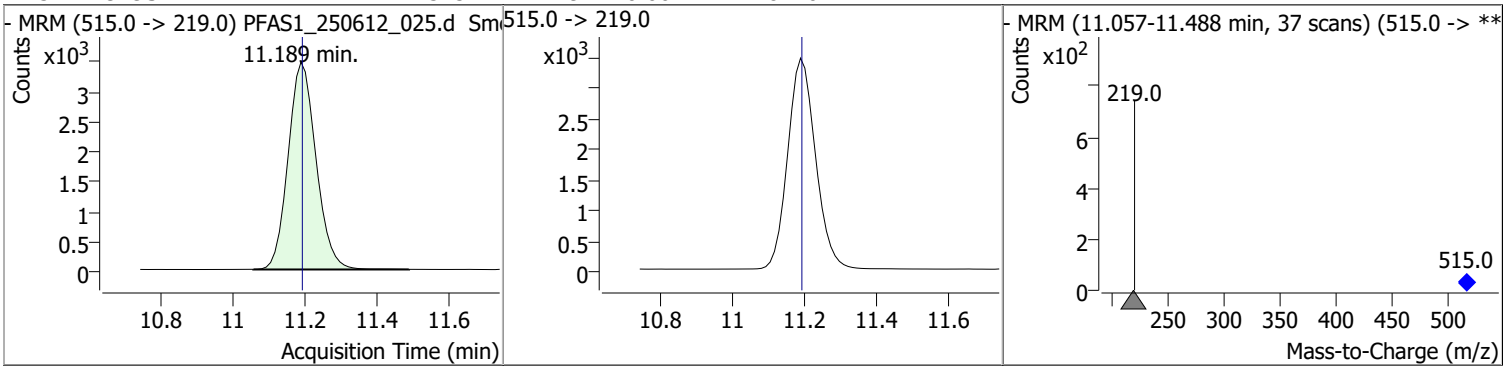
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.0359	11.05	0.00	283720				



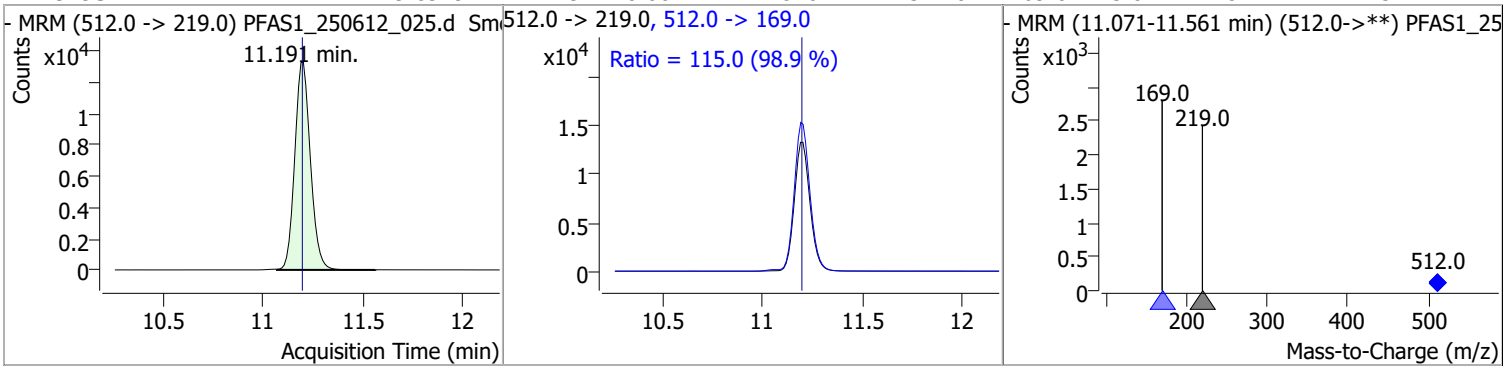
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	96.4917	11.08	0.00	1048330				



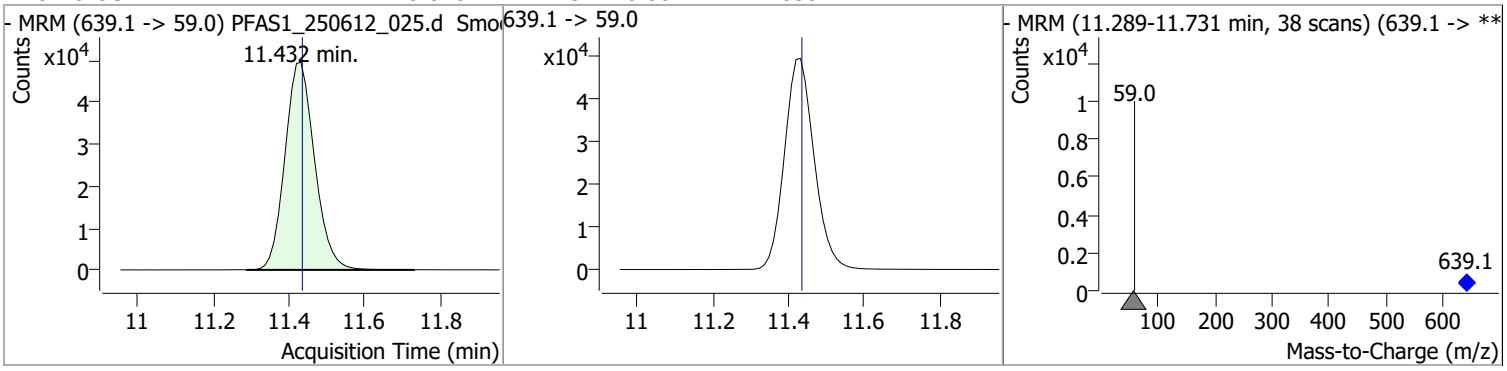
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4315	11.19	0.00	18470				



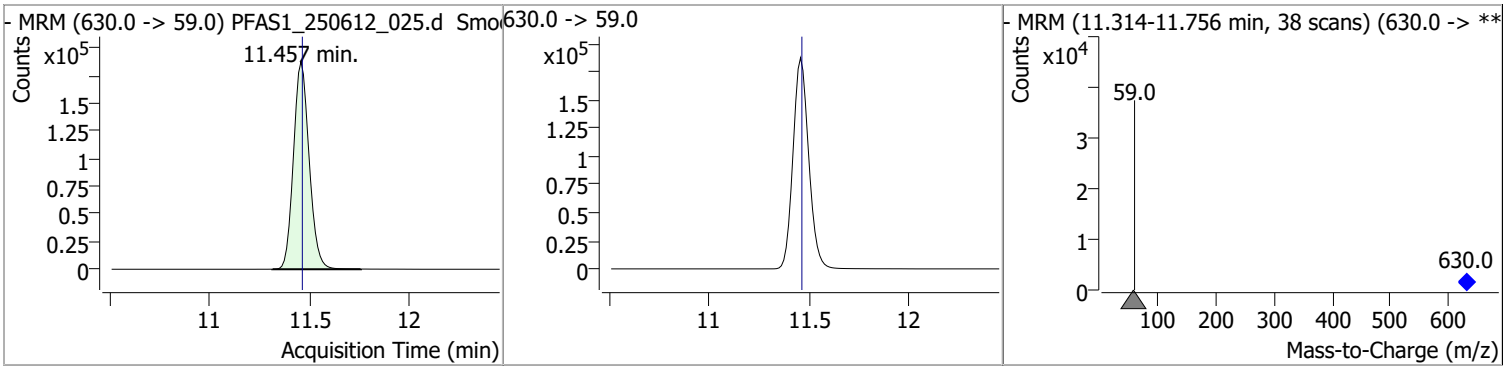
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8949	11.19	0.00	71820	512.0 -> 169.0	115.0	81.4	151.2



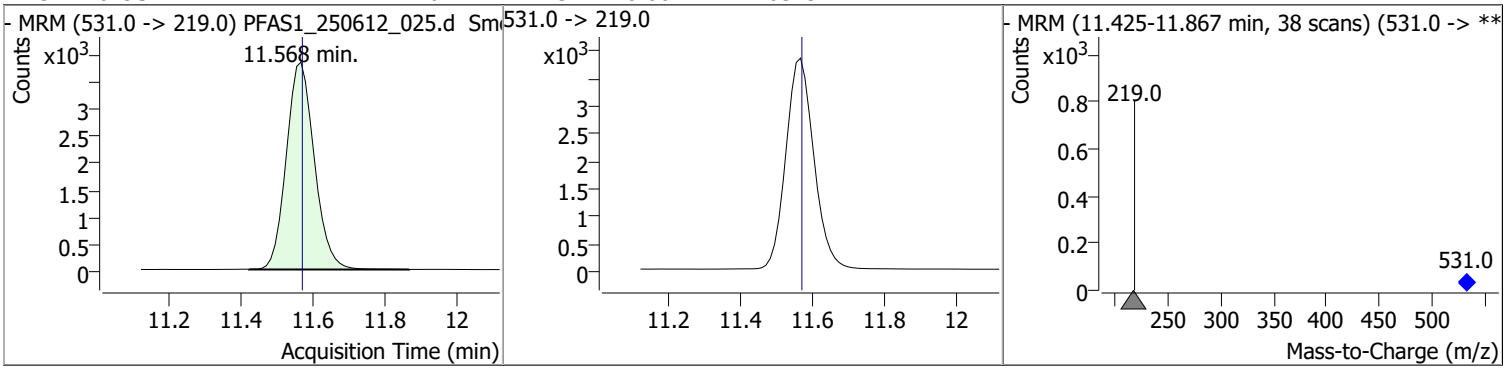
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	23.8462	11.43	0.00	270334				



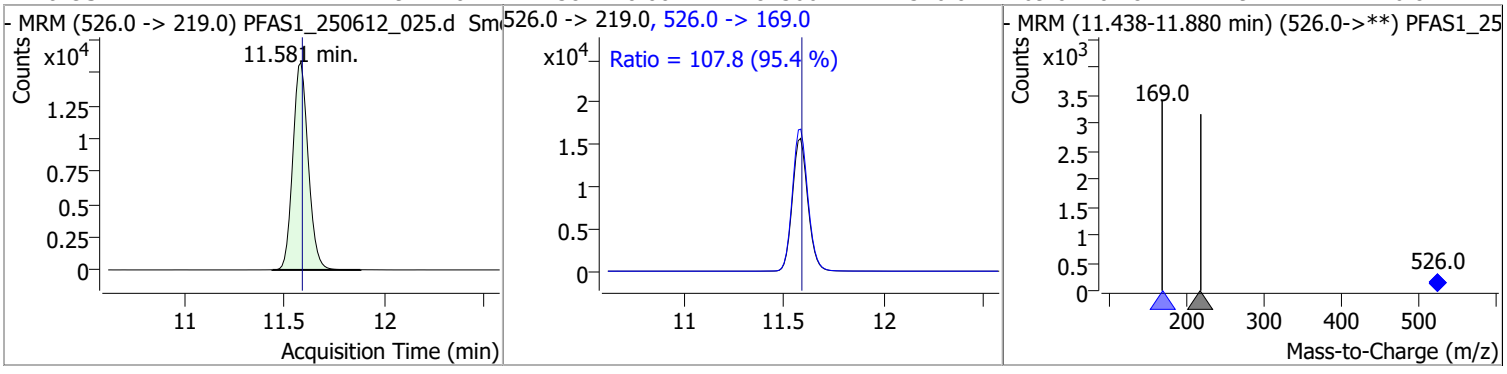
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	101.4085	11.46	0.00	1018994				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4621	11.57	0.00	20549				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	9.7220	11.58	0.00	84566	526.0 -> 169.0	107.8	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_038.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV3 ( )	Injection Time:	23:04

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	38.5	32733.76	34481.8		-4.00	30
PFPeA	20.0	19.1	52422.73	54724.55		-4.00	30
PFHxA	10.0	9.63	73805.26	76805.52		-4.00	30
PFHpA	10.0	9.46	82926.58	87094.84		-5.00	30
PFOA	10.0	9.62	87940.64	91751.53		-4.00	30
PFNA	10.0	9.80	91327.08	97143.31		-2.00	30
PFDA	10.0	9.46	100157.4	104957.6		-5.00	30
PFUnA	10.0	9.47	90384.45	93882.97		-5.00	30
PFDoA	10.0	9.50	78492.77	80997.21		-5.00	30
PFTrDA	10.0	9.64	77601.33	81507.39		-3.00	30
PFTeDA	10.0	9.75	74138.76	78248.94		-2.00	30
PFBS	8.85	8.73	18895.72	9898.542372881		-1.00	30
PFPeS	9.40	9.15	13159.76	13840.170212766		-3.00	30
PFHxS	9.15	8.63	11100.11	1126.688524590		-6.00	30
PFHpS	9.55	9.38	10112.68	0608.041884816		-2.00	30
PFOS	9.30	8.97	11292.07	1388.129032258		-4.00	30
PFNS	9.60	9.47	10472.08	0955.833333333		-1.00	30
PFDS	9.65	9.39	8453.186	901.6580310880		-2.00	30
PFDoS	9.70	9.37	5542.4	810.2061855670		-3.00	30
4:2FTS	37.5	37.5	10960.44	1407.893333333		0.00	30
6:2FTS	38.0	37.3	9595.639	0156.836842105		-2.00	30
8:2FTS	38.4	40.1	8734.04	637.6119791666		4.00	30
PFOSA	10.0	9.76	20158.27	20831.58		-2.00	30
NMeFOSA	10.0	10.1	7200.237	7398.594		1.00	30
NEtFOSA	10.0	9.67	8405.457	8568.87		-3.00	30
NMeFOSAA	10.0	9.86	16392.62	17396.52		-1.00	30
NEtFOSAA	10.0	9.45	14253.88	14613.17		-5.00	30
NMeFOSE	100	97.6	10598.36	10911.14		-2.00	30
NEtFOSE	100	100	10423.39	10381.63		0.00	30
HFPO-DA	20.0	19.9	22257.3	23210.445		-1.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_038.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV3 ( )	Injection Time:	23:04

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
ADONA	18.9	18.3	101087.7	04373.12169312		-3.00	30
9CL-PF3ONS	18.7	18.8	71625.12	5284.866310160		1.00	30
11CL-PF3OUdS	18.9	18.8	49394.22	1657.735449735		0.00	30
3:3FTCA	40.0	37.6	1304.648	1339.40575		-6.00	30
5:3FTCA	200	187	6264.859	6489.835		-6.00	30
7:3FTCA	200	184	6915.942	7073.085		-8.00	30
PFEESA	17.8	17.4	54691.85	7107.921348314		-2.00	30
PFMPA	20.0	19.1	24782.15	26010.23		-4.00	30
PFMBA	20.0	19.5	33405.86	35901.04		-2.00	30
NFDHA	20.0	21.3	2846.614	3233.4815		7.00	30
13C4-PFBA	10.0	9.92	1.15441	.1450431029470		-1.00	30
13C5-PFPeA	5.00	5.01	0.754645	.7559054299656		0.00	30
13C5-PFHxA	2.50	2.49	1.029963	.0271402132612		0.00	30
13C4-PFHpA	2.50	2.53	1.193766	.2097630136181		1.00	30
13C8-PFOA	2.50	2.43	11.19502	0.862605154823		-3.00	30
13C9-PFNA	1.25	1.23	1.024979	.0124543730696		-1.00	30
13C6-PFDA	1.25	1.26	1.06149	.0676751563023		1.00	30
13C7-PFUnA	1.25	1.25	0.9216579	92275401670418		0.00	30
13C2-PFDoA	1.25	1.25	0.8017501	7985889495963		0.00	30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.24	0.7918246	78482991868960		-1.00	30
13C2-PFTeDA	1.25	1.23	0.7818992	77107015094186		-1.00	30
13C3-PFBS	2.50	2.55	1.810213	.8441872095680		2.00	30
13C3-PFHxS	2.50	2.53	1.147619	.1599495130434		1.00	30
13C8-PFOS	2.50	2.54	0.9907137	.0058700561523		2.00	30
13C2-4:2FTS	5.00	4.95	0.3410825	.3375069969650		-1.00	30
13C2-6:2FTS	5.00	5.16	0.2390102	24682874774374		3.00	30
13C2-8:2FTS	5.00	5.00	0.2617047	26155753550468		0.00	30
13C8-PFOSA	2.50	2.51	2.195459	.2002388000488		0.00	30
D3-NMeFOSA	2.50	2.41	0.7373179	70977249145507		-4.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_038.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-CCV3 ( )	Injection Time:	23:04

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.46	0.8101407	.7985218048095		-1.00	30
D3-NMeFOSAA	5.00	5.12	1.866674	.9107322692871		2.00	30
D5-NEtFOSAA	5.00	5.11	1.495826	.5273704528808		2.00	30
D7-NMeFOSE	25.0	25.3	1.099985	.1139381408691		1.00	30
D9-NEtFOSE	25.0	24.2	1.100376	.0655529022216		-3.00	30
13C3-HFPO-DA	10.0	9.71	0.3105434	30145017018178		-3.00	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_038.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 11:04:09 PM
Sample Name	SEQ-CCV	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

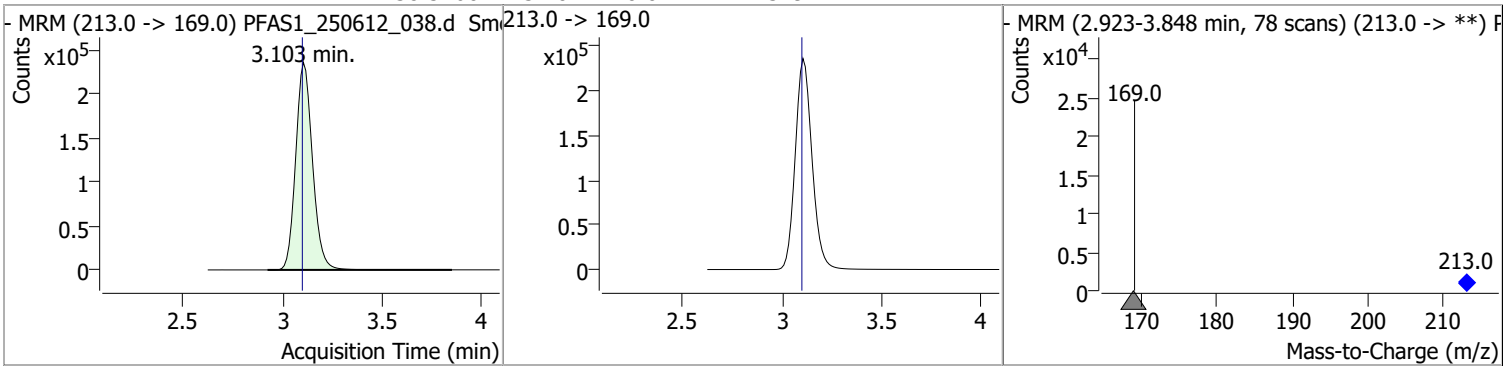
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	172007	5.0000	µg/L	8.743
13C2-PFHxA	5.479	315.0 -> 270.0	192412	2.5000	µg/L	7.688
18O2-PFHxS	6.796	403.0 -> 84.0	24814	2.5000	µg/L	5.591
13C4-PFOA	6.651	417.0 -> 172.0	22348	2.5000	µg/L	10.660
13C5-PFNA	7.125	468.0 -> 423.0	129995	1.2500	µg/L	8.620
13C2-PFDA	7.564	515.0 -> 470.0	135714	1.2500	µg/L	8.458
13C4-PFOS	7.745	503.0 -> 80.0	26214	2.5000	µg/L	5.001
System Monitoring Compounds						
13C4-PFBA	3.107	217.0 -> 172.0	393910	10.0000	µg/L	7.923
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.19%		
13C4-PFBA	3.107	217.0 -> 172.0	393910	10.0000	µg/L	7.923
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.19%		
13C5-PFPeA	4.594	268.0 -> 223.0	290890	5.0000	µg/L	7.831
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.17%		
13C5-PFPeA	4.594	268.0 -> 223.0	290890	5.0000	µg/L	7.831
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.17%		
13C2-4-2 FTSA	5.250	329.0 -> 81.0	16750	5.0000	µg/L	3.942
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.95%		
13C5-PFHxA	5.490	318.0 -> 273.0	197634	2.5000	µg/L	7.410
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.73%		
13C5-PFHxA	5.490	318.0 -> 273.0	197634	2.5000	µg/L	7.410
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 99.73%		
13C3-PFBS	5.505	302.0 -> 80.0	45762	2.5000	µg/L	7.356
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.88%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	232010	10.0000	µg/L	4.570
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.07%		
13C4-PFHpA	6.142	367.0 -> 322.0	232773	2.5000	µg/L	9.181
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.34%		
13C3-PFHxS	6.797	402.0 -> 80.0	28783	2.5000	µg/L	6.678
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.07%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	12250	5.0000	µg/L	8.626
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 103.27%		
13C8-PFOA	6.650	421.0 -> 376.0	242757	2.5000	µg/L	7.464
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.03%		
13C3-PFHxS	6.797	402.0 -> 80.0	28783	2.5000	µg/L	6.678
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.07%		
13C9-PFNA	7.125	472.0 -> 427.0	131614	1.2500	µg/L	7.263
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.78%		
13C8-PFOS	7.744	507.0 -> 80.0	26368	2.5000	µg/L	6.564
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.53%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	12981	5.0000	µg/L	5.466
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.94%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	12981	5.0000	µg/L	5.466
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.94%		
13C6-PFDA	7.563	519.0 -> 474.0	144899	1.2500	µg/L	9.026

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.58%		
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	100177	5.0000	µg/L	7.786
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.36%		
13C8-PFOS	7.744	507.0 -> 80.0	26368	2.5000	µg/L	6.564
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.53%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	80078	5.0000	µg/L	7.429
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 102.11%		
13C7-PFUnDA	7.999	570.0 -> 525.0	125231	1.2500	µg/L	8.554
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.12%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	106513	1.2500	µg/L	7.585
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.12%		
13C2-PFDoDA	8.412	615.0 -> 570.0	108380	1.2500	µg/L	8.109
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.61%		
13C2-PFTDA	9.185	715.0 -> 670.0	104645	1.2500	µg/L	7.047
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.62%		
13C8-PFOSA	9.909	506.0 -> 78.0	57678	2.5000	µg/L	5.455
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.22%		
2H7-MeFOSE	11.052	623.1 -> 59.0	292012	25.0000	µg/L	6.299
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.27%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18606	2.5000	µg/L	1.377
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.26%		
2H9-EtFOSE	11.432	639.1 -> 59.0	279328	25.0000	µg/L	1.657
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 96.84%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	20933	2.5000	µg/L	3.643
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.57%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	1379272	38.5260	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.31%		
PFMPA	3.794	229.0 -> 85.0	520205	19.1347	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.67%		
3-3 FTCA	4.030	241.0 -> 177.0	53576	37.5867	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 93.97%		
PFPeA	4.596	263.0 -> 219.0	1094491	19.0849	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.42%		
PFMBA	4.910	279.0 -> 85.0	718021	19.5391	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 97.70%		
4-2 FTSA	5.251	327.0 -> 307.0	427796	37.4939	µg/L	96
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 99.98%		
NFDHA	5.402	295.0 -> 201.0	64670	21.3115	µg/L	94
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 106.56%		
PFHxA	5.480	313.0 -> 269.0	768055	9.6252	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.25%		
PFBS	5.507	298.9 -> 80.0	176102	8.7298	µg/L	99
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 98.42%		
HFPO-DA	5.736	285.0 -> 169.0	464209	19.8595	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 99.30%		
PFEESA	5.860	314.9 -> 135.0	1016521	17.3623	µg/L	98
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 97.54%		
5-3 FTCA	6.132	341.0 -> 237.0	1297967	187.0583	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 93.53%		
PFHpA	6.142	363.0 -> 319.0	870948	9.4595	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.59%		
PFPeS	6.240	348.9 -> 80.0	130098	9.1516	µg/L	99
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 97.25%		

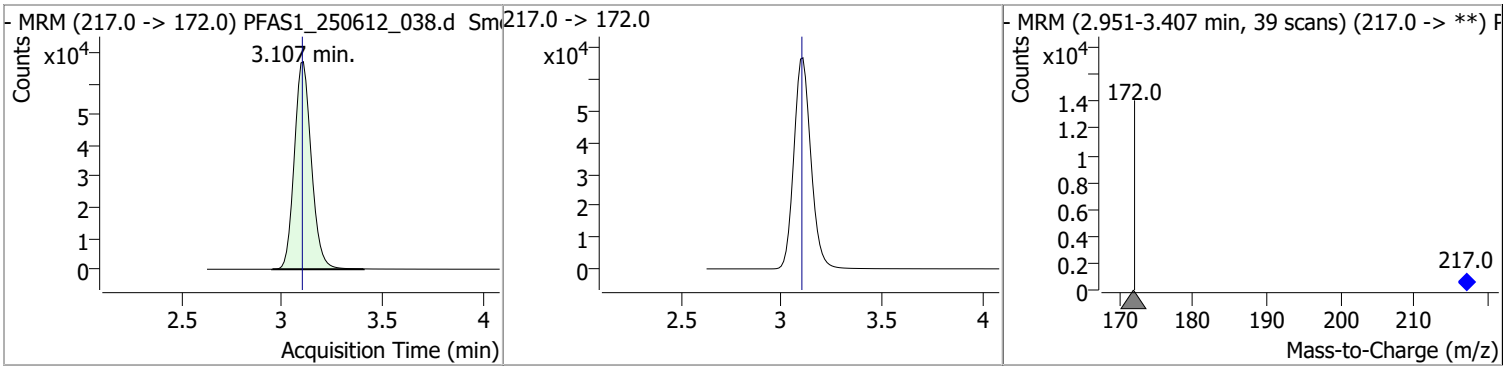
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
DONA	6.333	377.0 -> 251.0	1972652	18.2849	µg/L	96
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 96.75%		
6-2 FTSA	6.448	427.0 -> 407.0	385960	37.2797	µg/L	97
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 98.10%		
PFOA	6.651	413.0 -> 369.0	917515	9.6185	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.19%		
PFHxS	6.798	398.9 -> 80.0	101809	8.6280	µg/L	98
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 94.40%		
PFNA	7.126	463.0 -> 419.0	971433	9.8006	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.01%		
PFHpS	7.295	448.9 -> 80.0	101307	9.3807	µg/L	97
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 98.43%		
8-2 FTSA	7.361	527.0 -> 507.0	370084	40.1313	µg/L	98
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 104.51%		
7-3 FTCA	7.463	441.0 -> 317.0	1414617	184.4868	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 92.24%		
PFDA	7.576	513.0 -> 469.0	1049576	9.4621	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.62%		
N-MeFOSAA	7.704	570.0 -> 419.0	173965	9.8625	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.63%		
PFOS	7.746	498.9 -> 80.0	105910	8.9741	µg/L	95
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 96.70%		
N-EtFOSAA	7.927	584.0 -> 419.0	146132	9.4550	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.55%		
PFUnDA	8.000	563.0 -> 519.0	938830	9.4701	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 94.70%		
9Cl-PF3ONS	8.074	530.9 -> 350.9	1407827	18.8031	µg/L	97
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 100.55%		
PFNS	8.192	548.9 -> 80.0	105176	9.4668	µg/L	99
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 98.41%		
PFDoDA	8.412	613.0 -> 569.0	809972	9.5023	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.02%		
PFDS	8.606	598.9 -> 80.0	85901	9.3931	µg/L	97
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 97.34%		
PFTrDA	8.817	663.0 -> 619.0	815074	9.6412	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.41%		
11Cl-PF3OUdS	8.891	630.9 -> 450.9	976331	18.8239	µg/L	100
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 99.60%		
PFTDA	9.186	712.9 -> 669.0	782489	9.7458	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.46%		
PFDoS	9.344	698.9 -> 80.0	56359	9.3677	µg/L	97
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 96.57%		
PFOSA	9.900	497.9 -> 78.0	208316	9.7555	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.56%		
MeFOSE	11.077	616.0 -> 59.0	1091114	97.5787	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 97.58%		
N-MeFOSA	11.191	512.0 -> 219.0	73986	10.1188	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 101.19%		
EtFOSE	11.457	630.0 -> 59.0	1038163	99.9863	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 99.99%		
N-EtFOSA	11.581	526.0 -> 219.0	85689	9.6708	µg/L	94
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.71%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

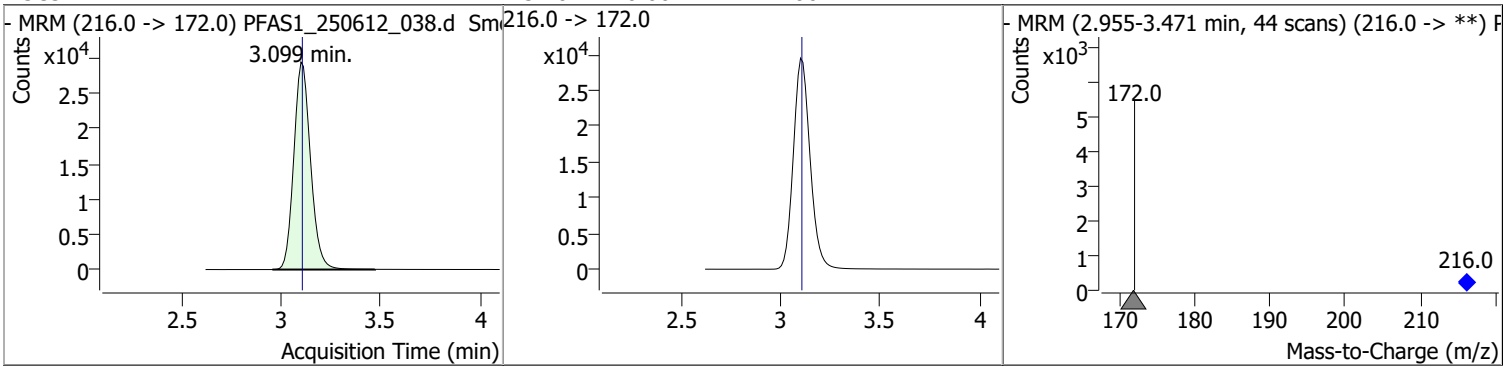
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.5260	3.10	0.01	1379272				



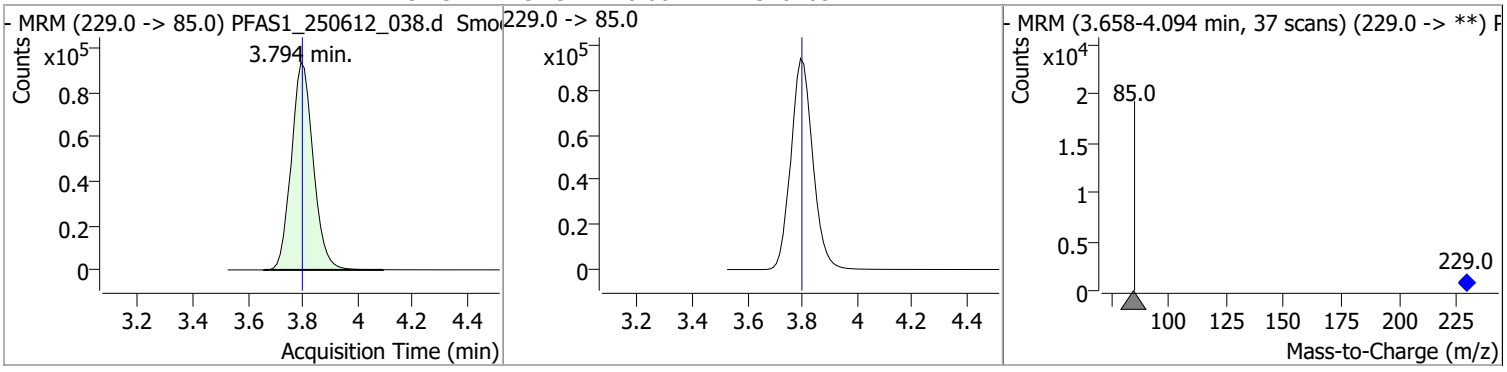
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9189	3.11	0.01	393910				



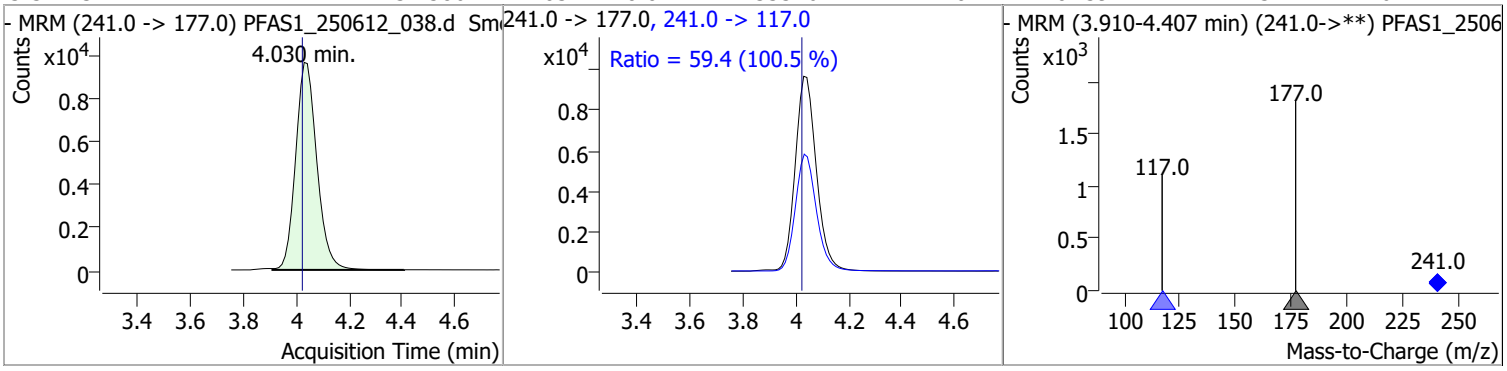
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	172007				



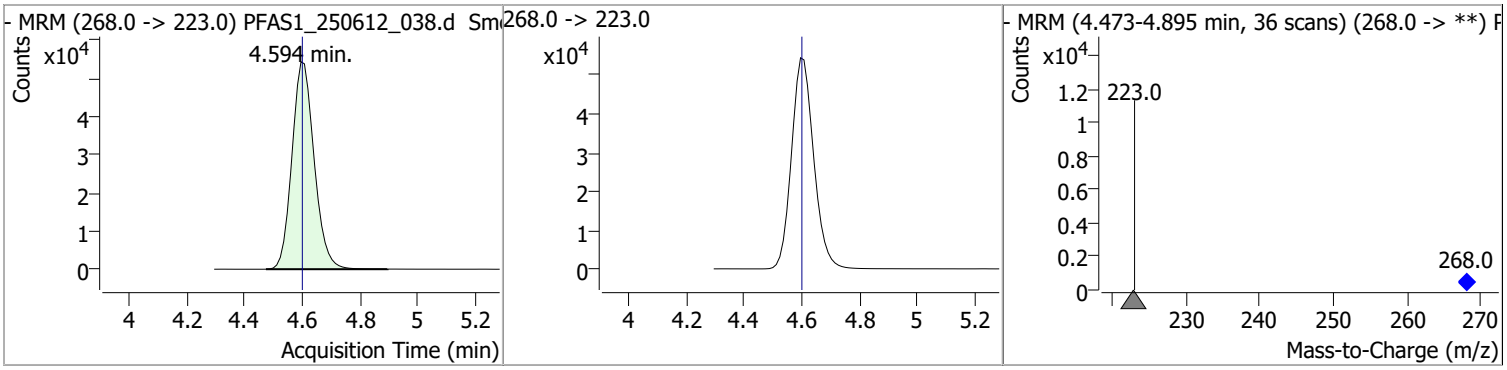
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.1347	3.79	0.00	520205				



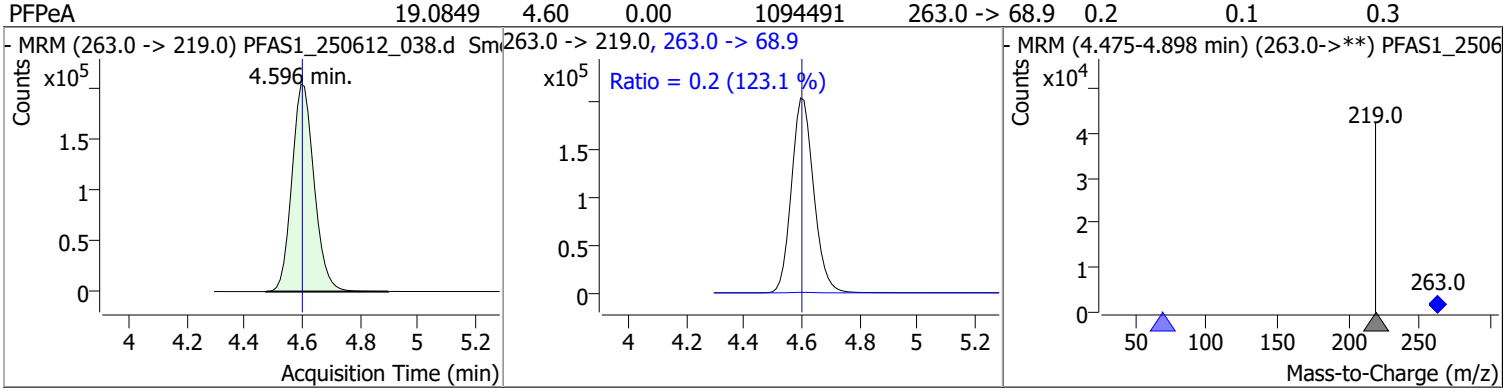
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	37.5867	4.03	0.01	53576	241.0 -> 117.0	59.4	41.3	76.7



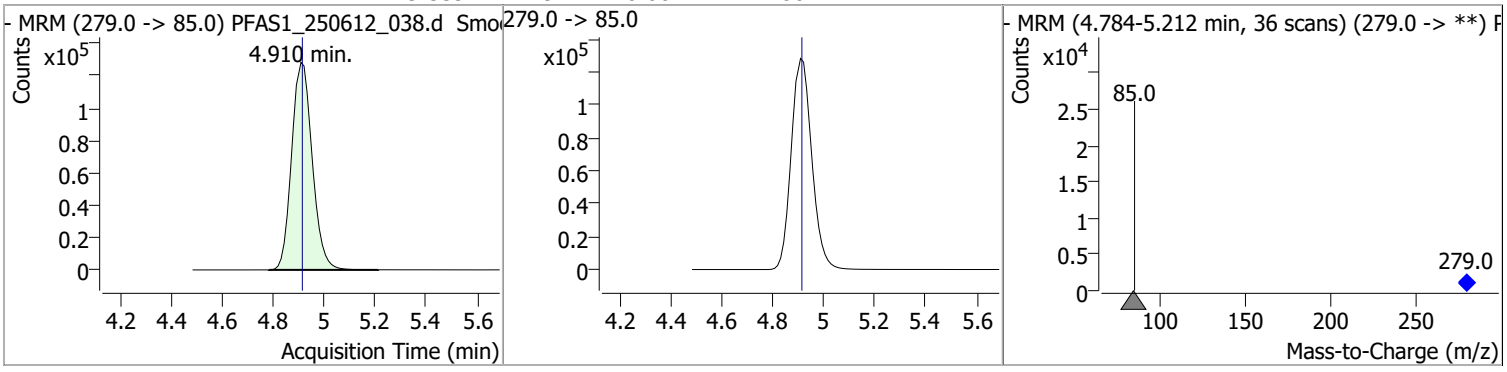
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0084	4.59	0.00	290890				



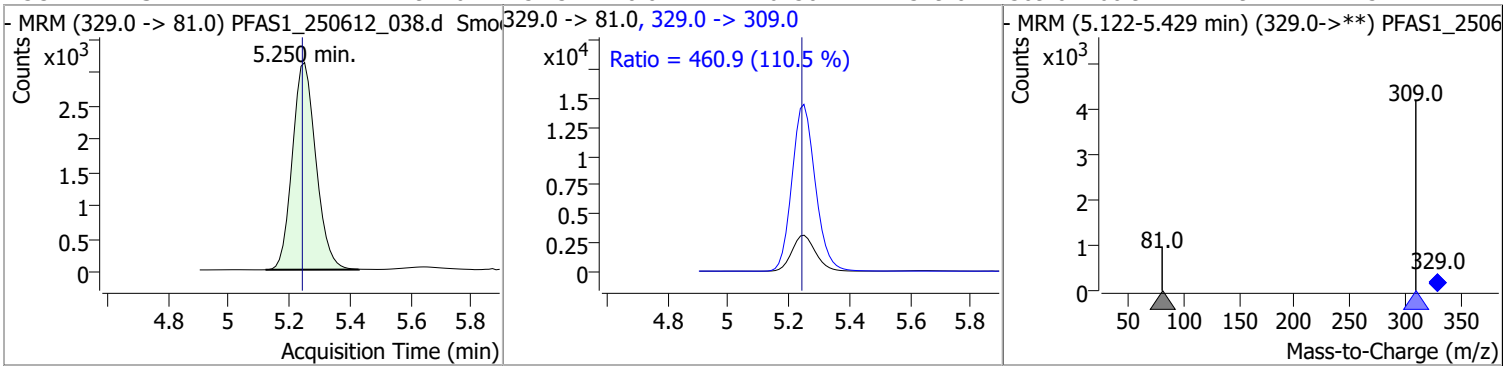
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.0849	4.60	0.00	1094491	263.0 -> 68.9	0.2	0.1	0.3



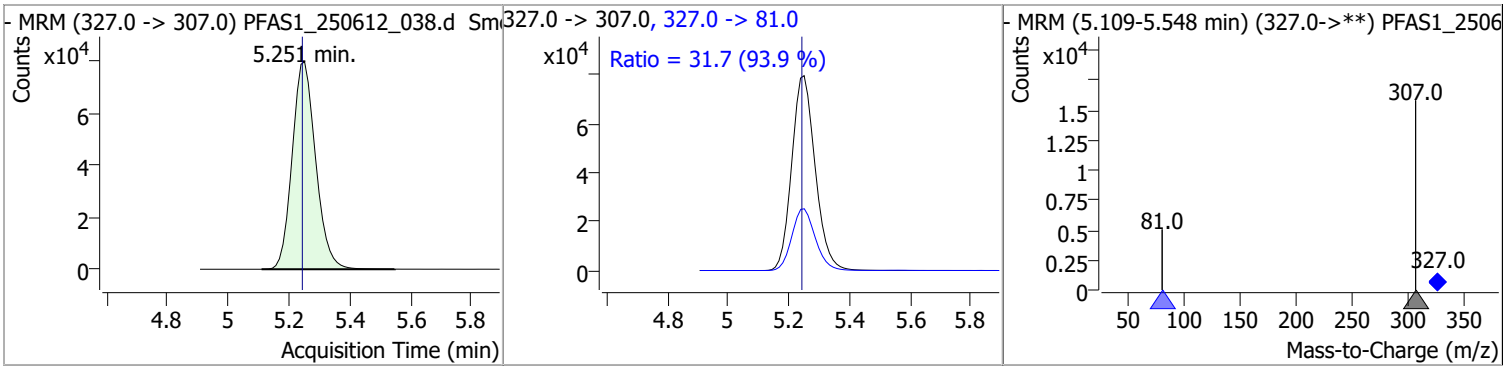
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.5391	4.91	0.00	718021				



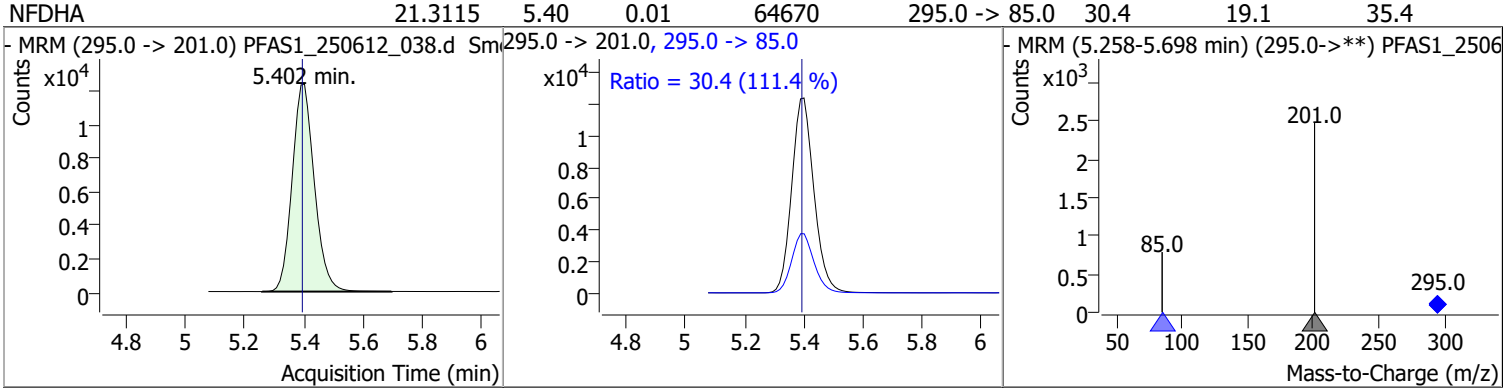
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	4.9476	5.25	0.01	16750	329.0 -> 309.0	460.9	292.1	542.4



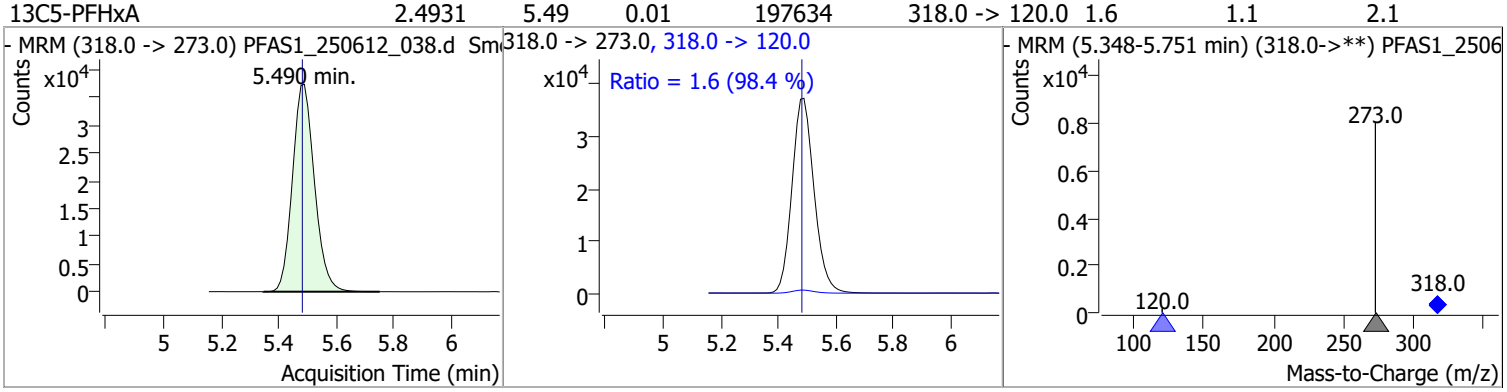
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	37.4939	5.25	0.01	427796	327.0 -> 81.0	31.7	23.6	43.9



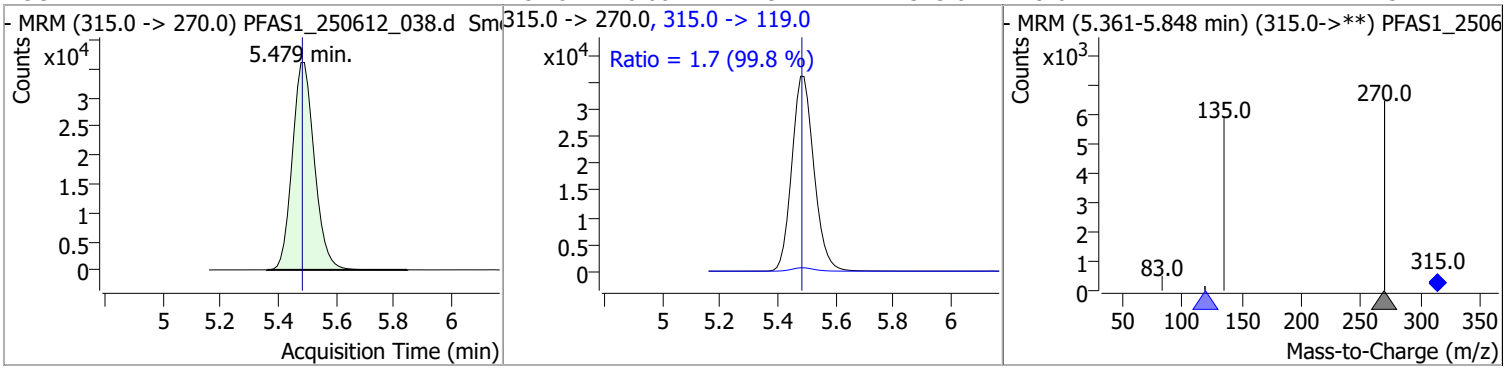
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	21.3115	5.40	0.01	64670	295.0 -> 85.0	30.4	19.1	35.4



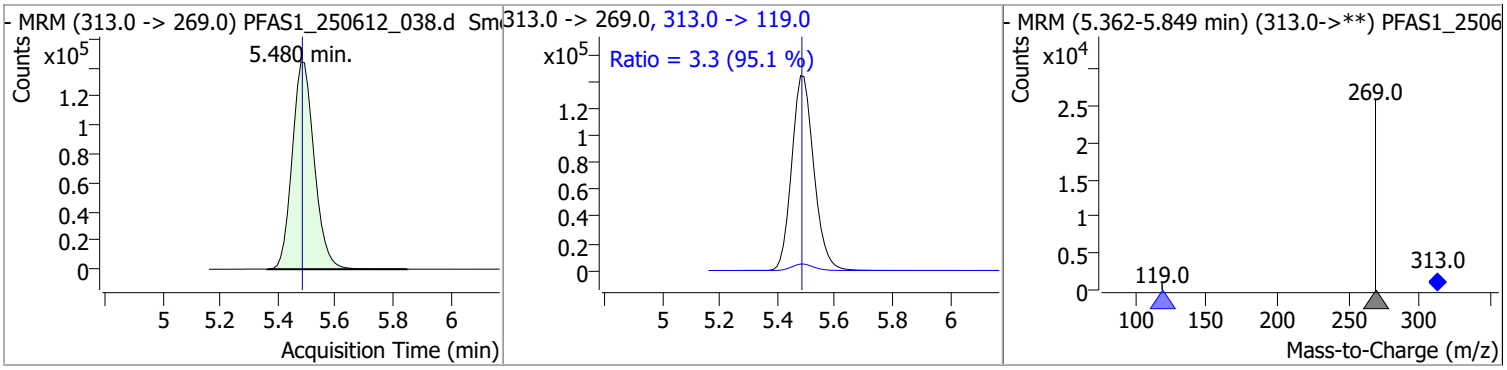
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.4931	5.49	0.01	197634	318.0 -> 120.0	1.6	1.1	2.1



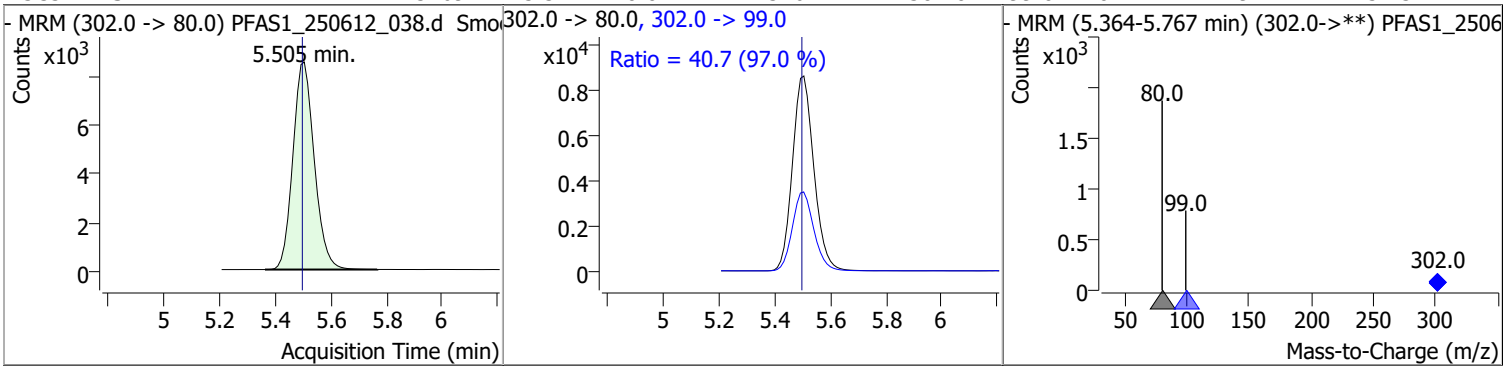
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	192412	315.0 -> 119.0	1.7	1.2	2.3



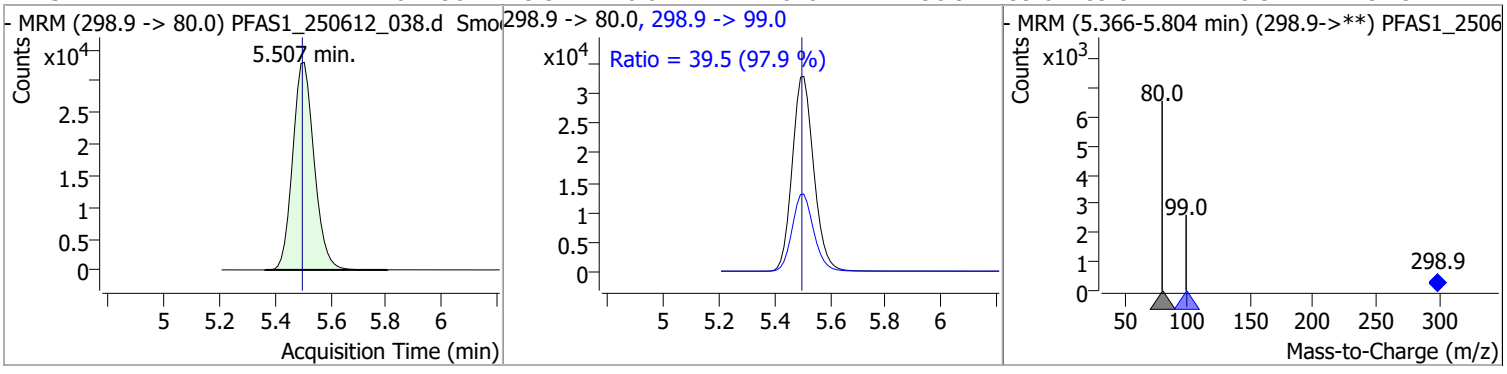
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.6252	5.48	0.00	768055	313.0 -> 119.0	3.3	2.4	4.5



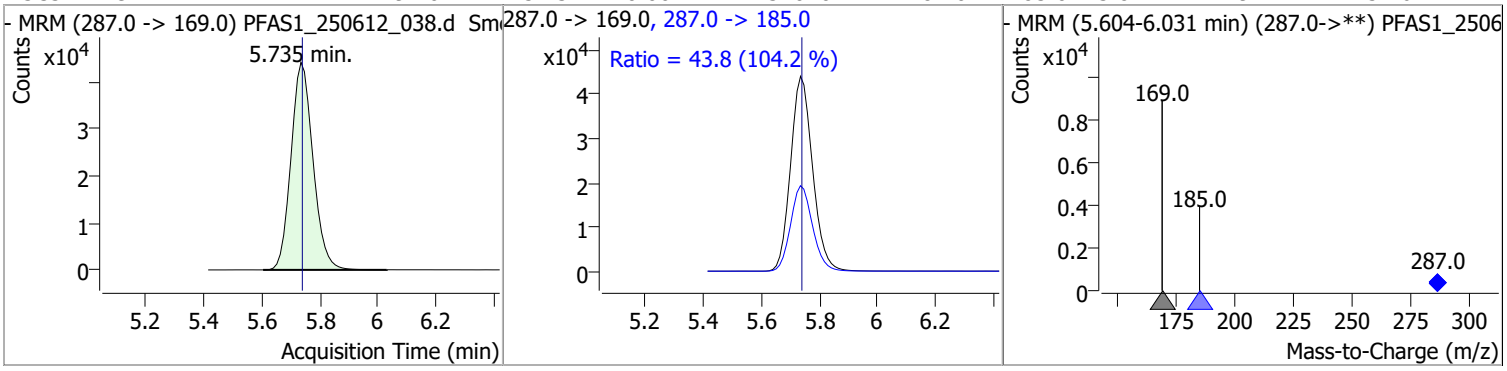
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5469	5.51	0.01	45762	302.0 -> 99.0	40.7	29.4	54.5



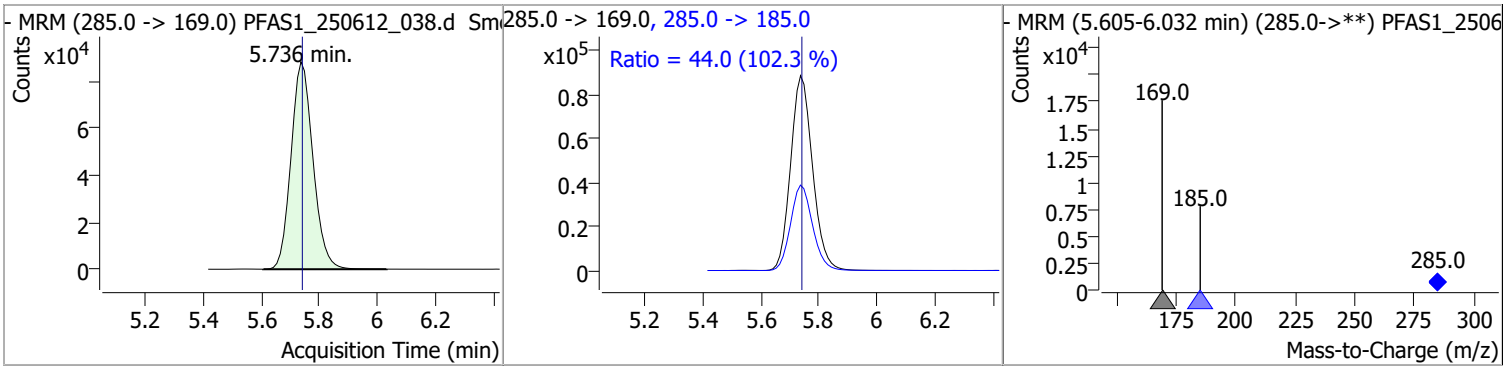
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.7298	5.51	0.01	176102	298.9 -> 99.0	39.5	28.3	52.5



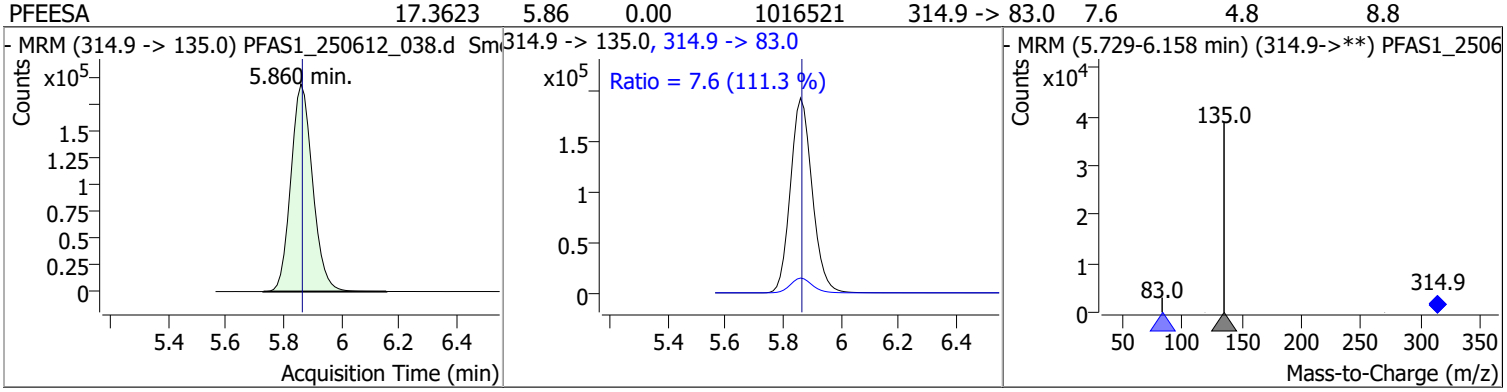
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.7072	5.73	0.00	232010	287.0 -> 185.0	43.8	29.4	54.6



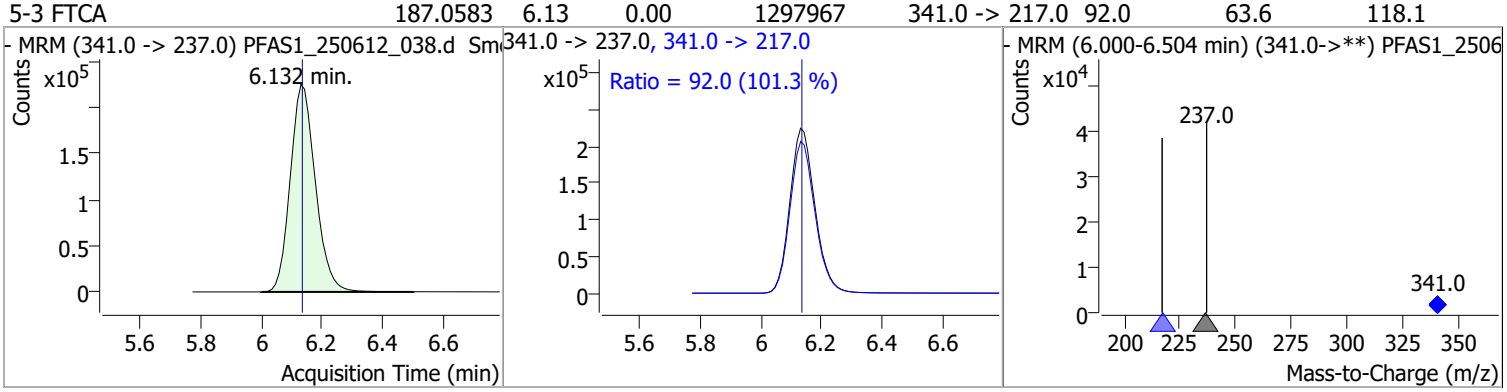
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	19.8595	5.74	0.00	464209	285.0 -> 185.0	44.0	30.1	56.0



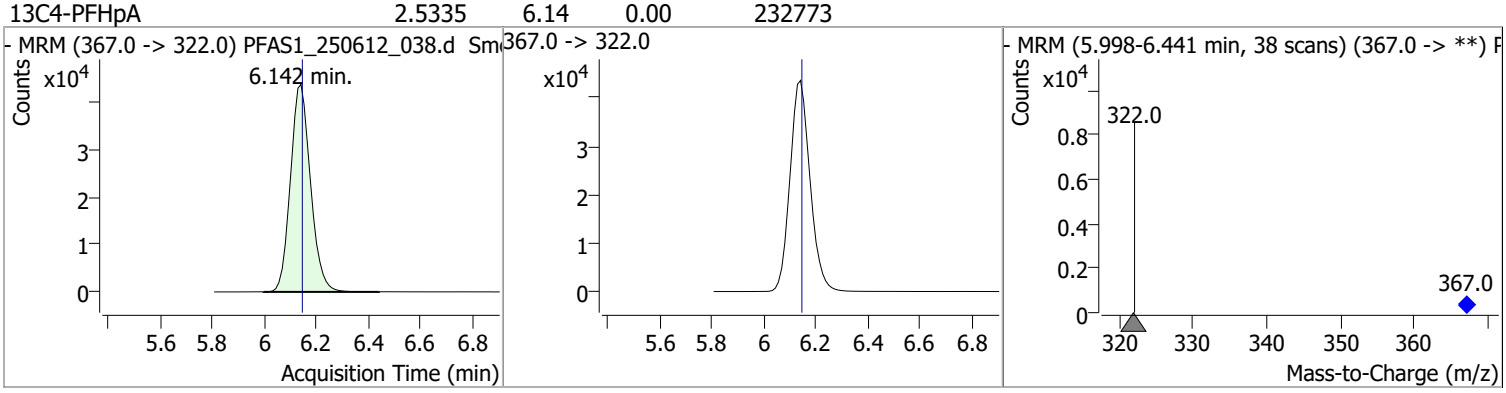
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.3623	5.86	0.00	1016521	314.9 -> 83.0	7.6	4.8	8.8



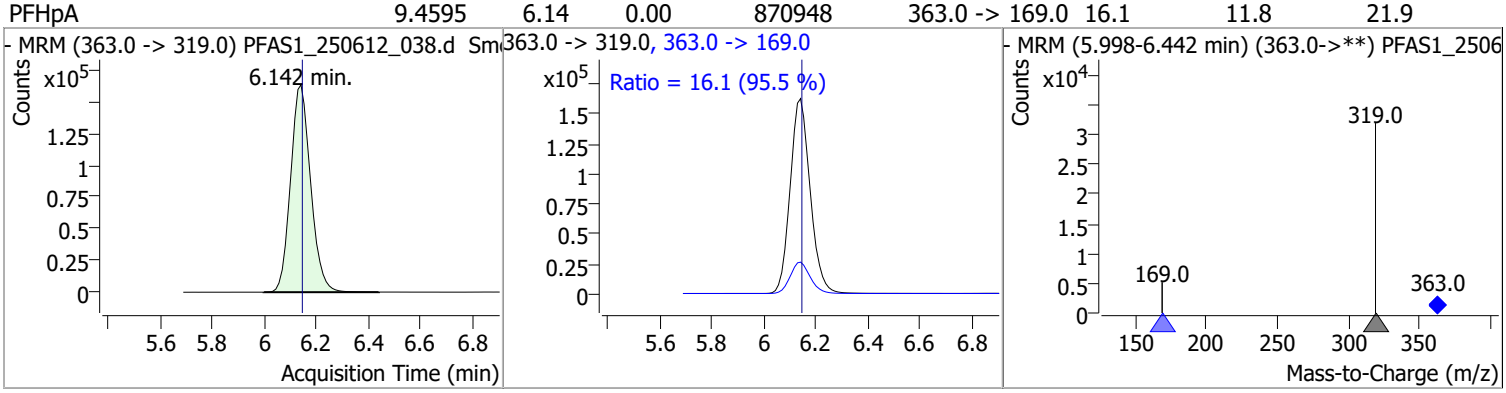
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	187.0583	6.13	0.00	1297967	341.0 -> 217.0	92.0	63.6	118.1



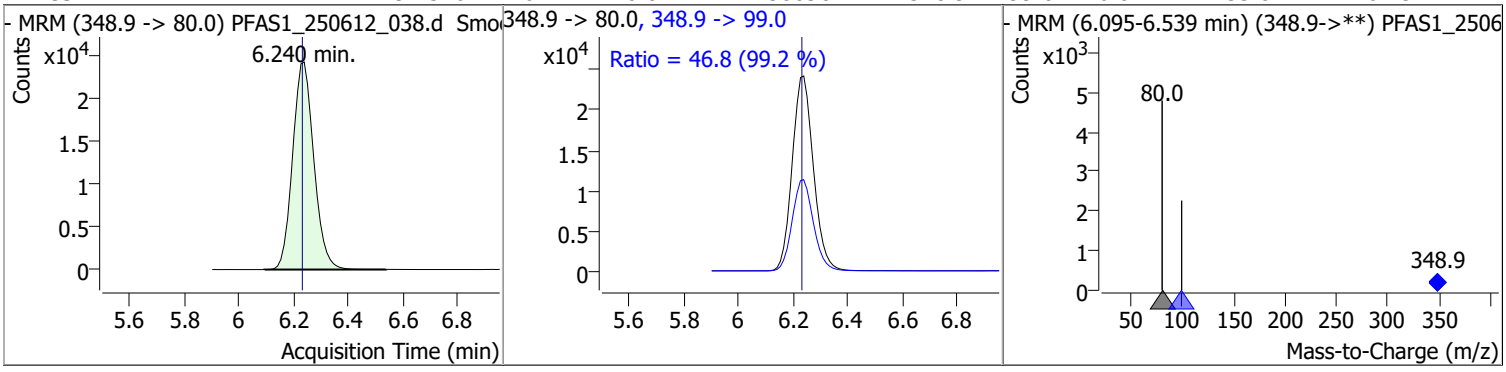
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5335	6.14	0.00	232773				



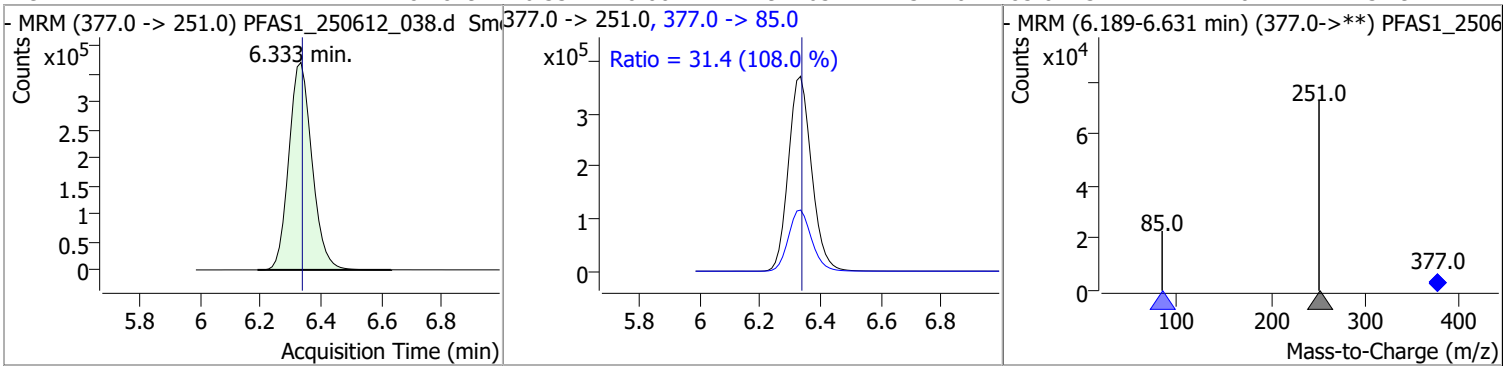
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.4595	6.14	0.00	870948	363.0 -> 169.0	16.1	11.8	21.9



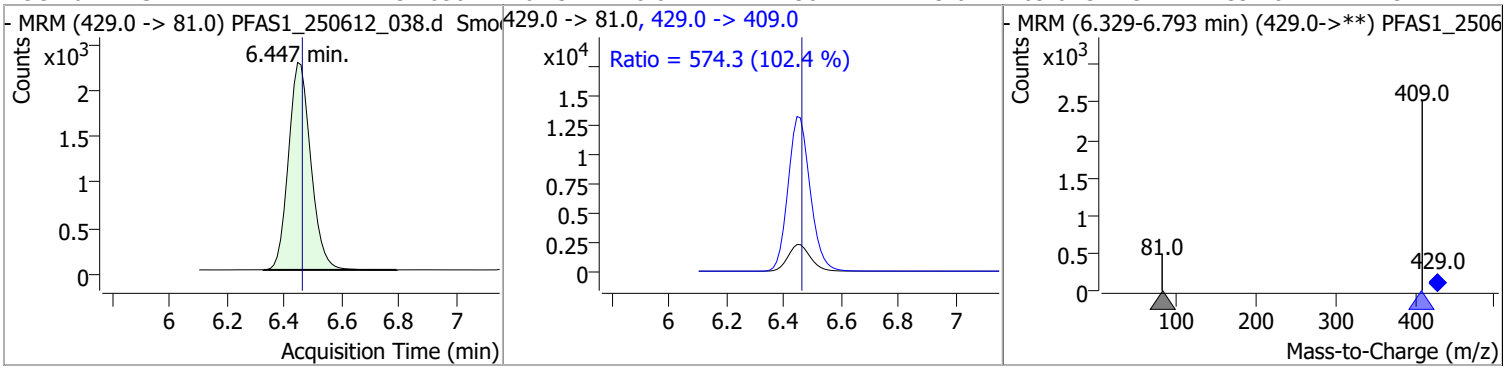
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.1516	6.24	0.01	130098	348.9 -> 99.0	46.8	33.0	61.3



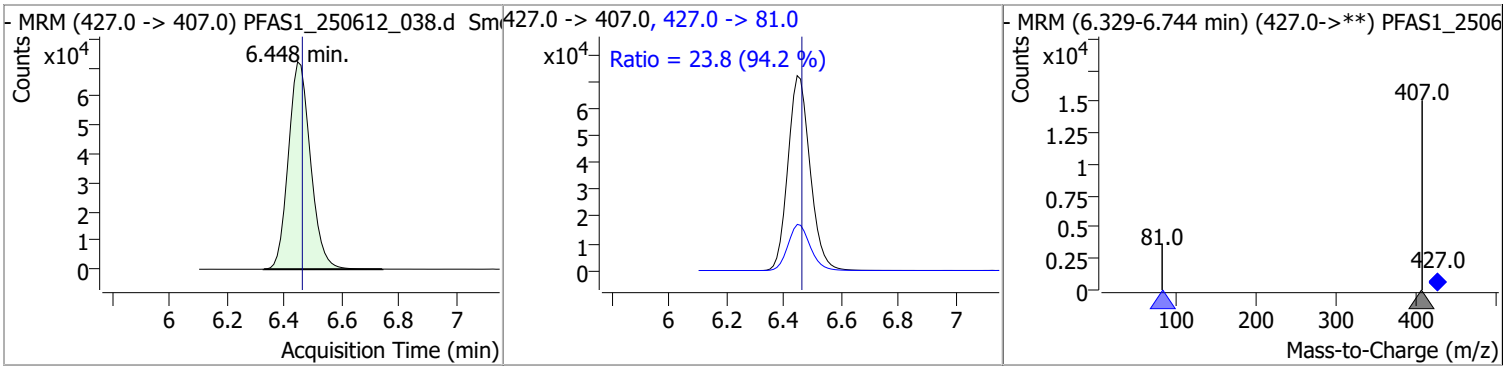
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.2849	6.33	0.00	1972652	377.0 -> 85.0	31.4	20.4	37.9



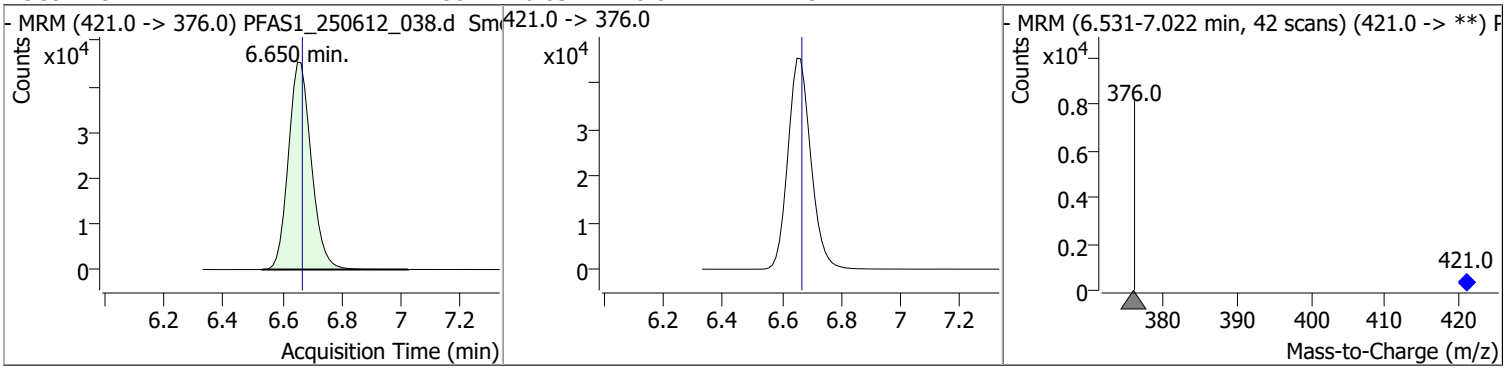
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.1636	6.45	-0.01	12250	429.0 -> 409.0	574.3	392.8	729.4



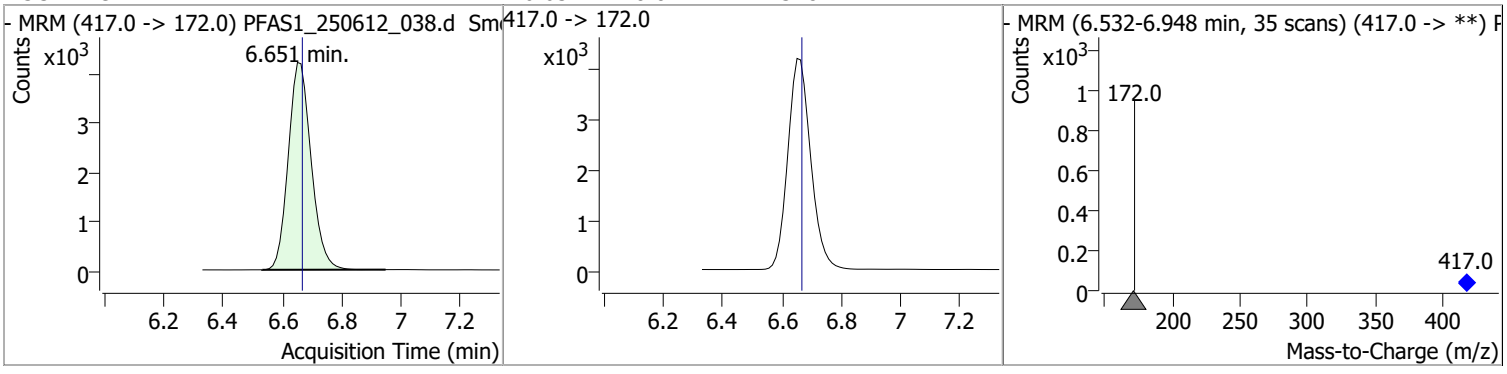
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	37.2797	6.45	-0.01	385960	427.0 -> 81.0	23.8	17.7	32.8



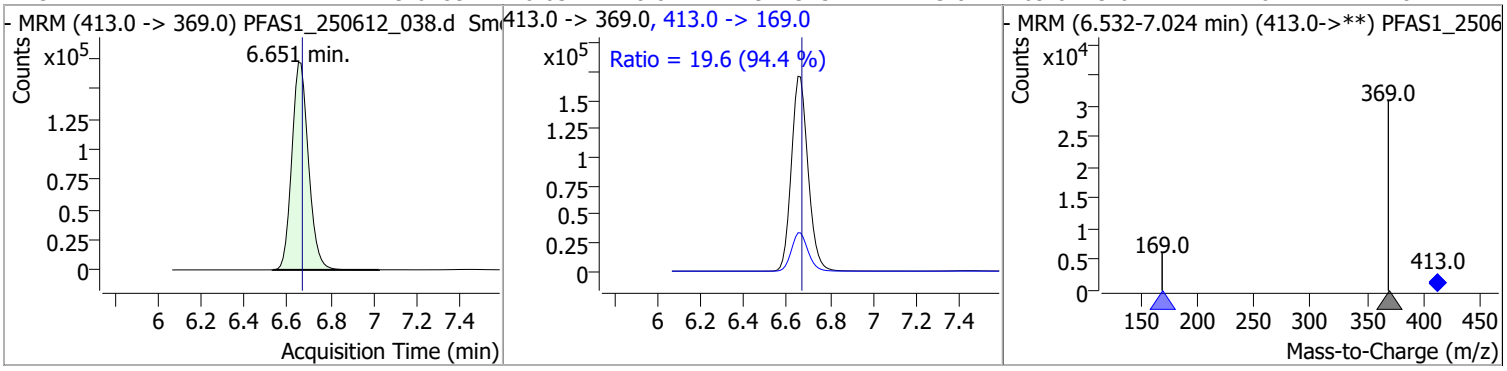
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4258	6.65	-0.01	242757				



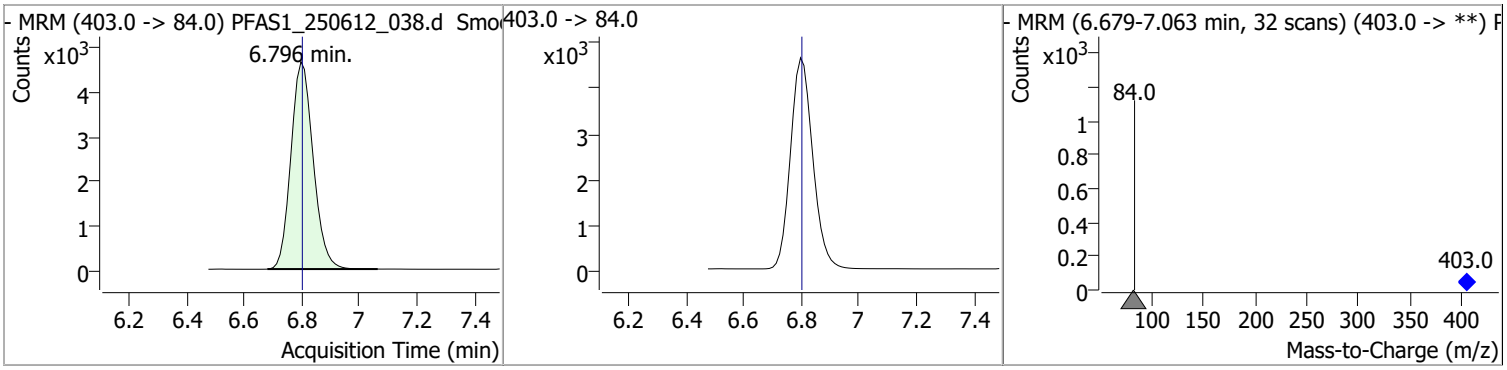
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	22348				



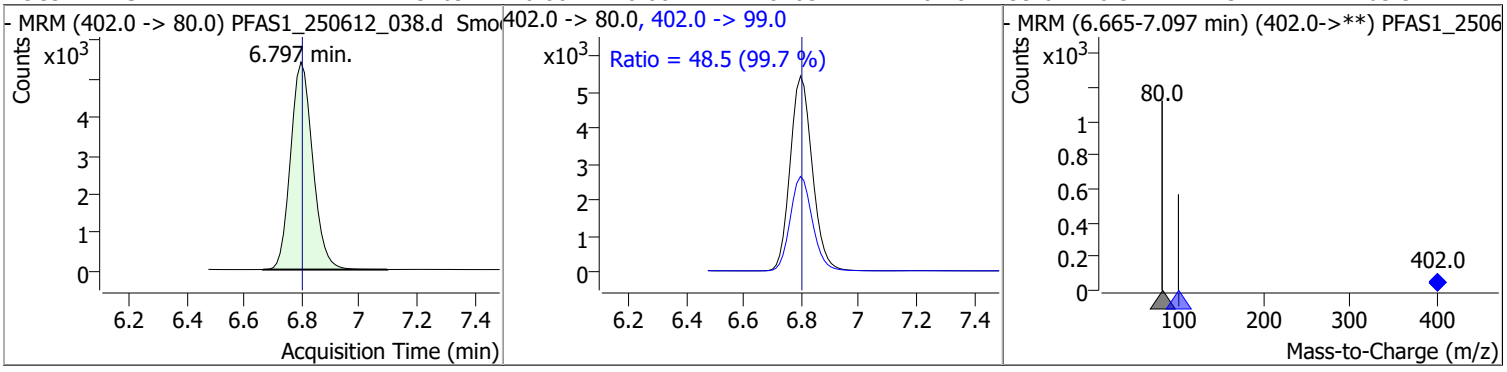
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.6185	6.65	-0.01	917515	413.0 -> 169.0	19.6	14.6	27.0



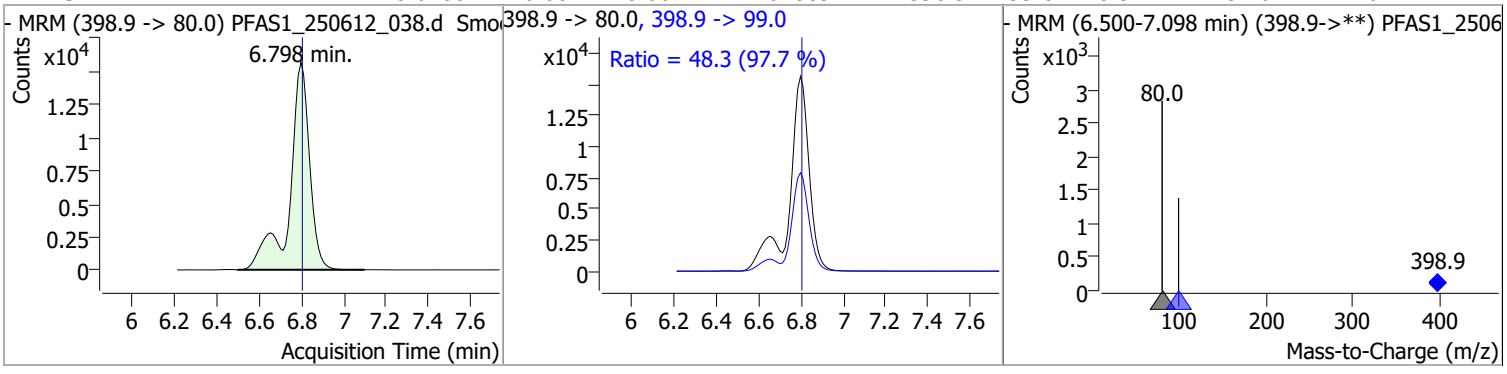
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24814				



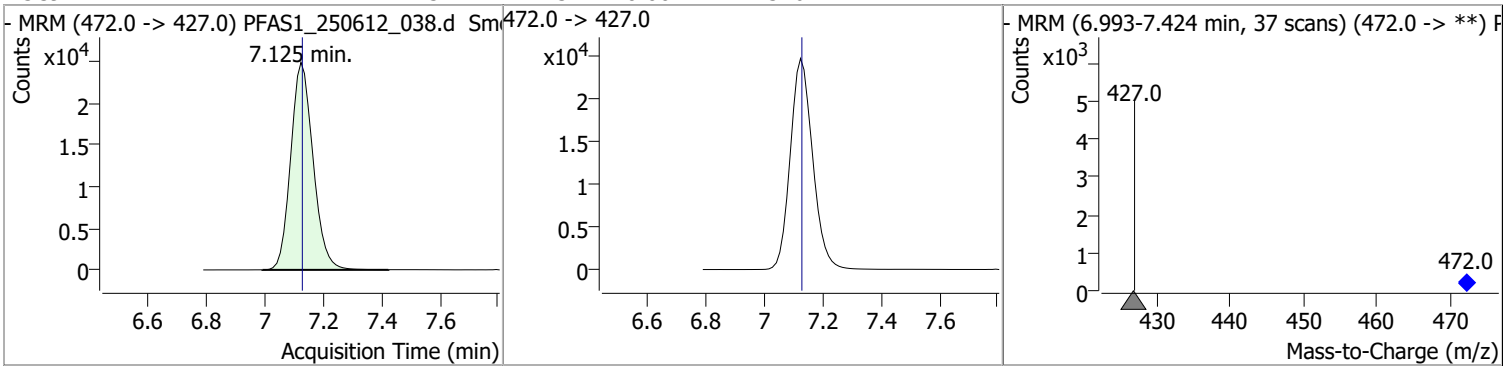
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5269	6.80	0.00	28783	402.0 -> 99.0	48.5	34.1	63.3



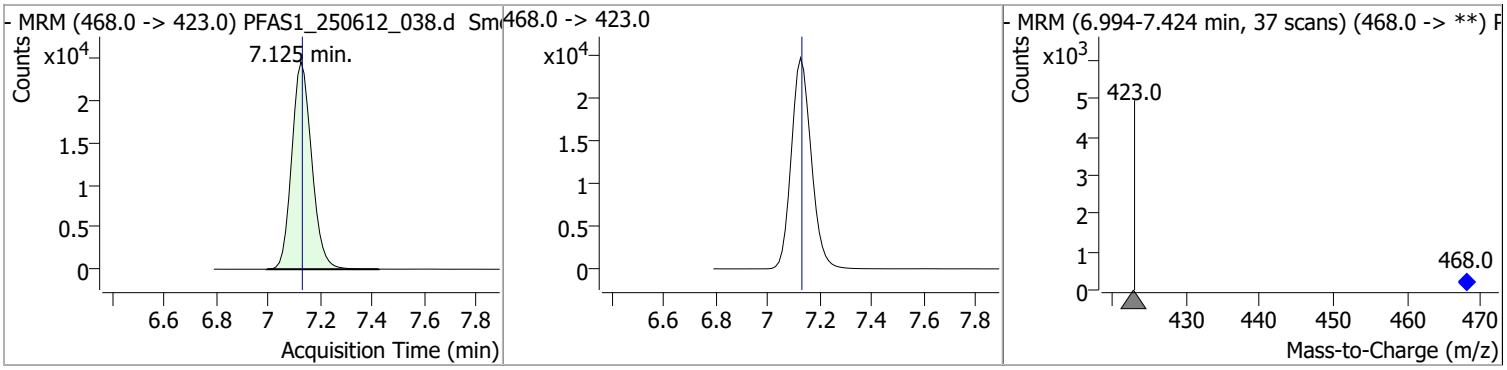
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	8.6280	6.80	0.00	101809	398.9 -> 99.0	48.3	34.6	64.2



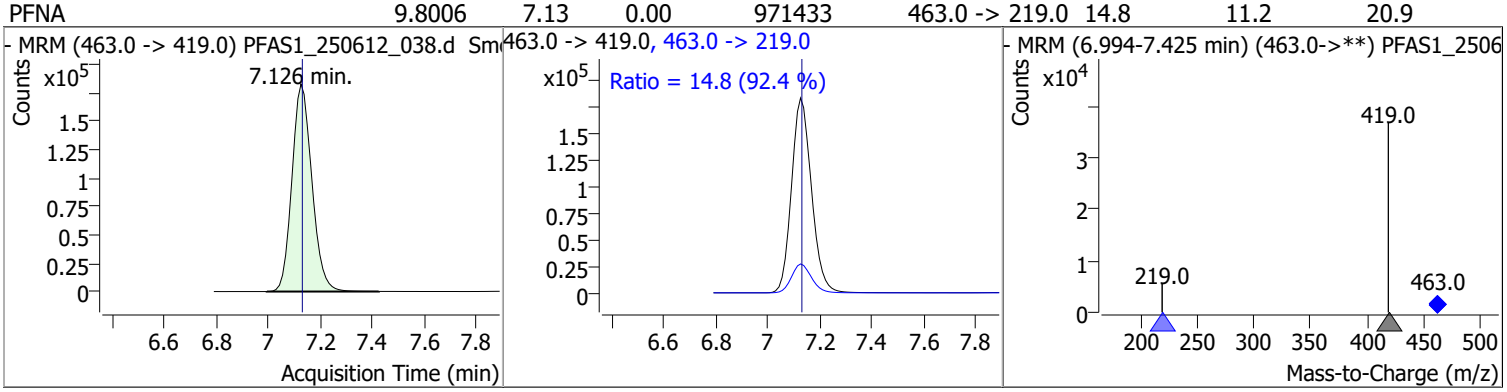
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2347	7.13	0.00	131614				



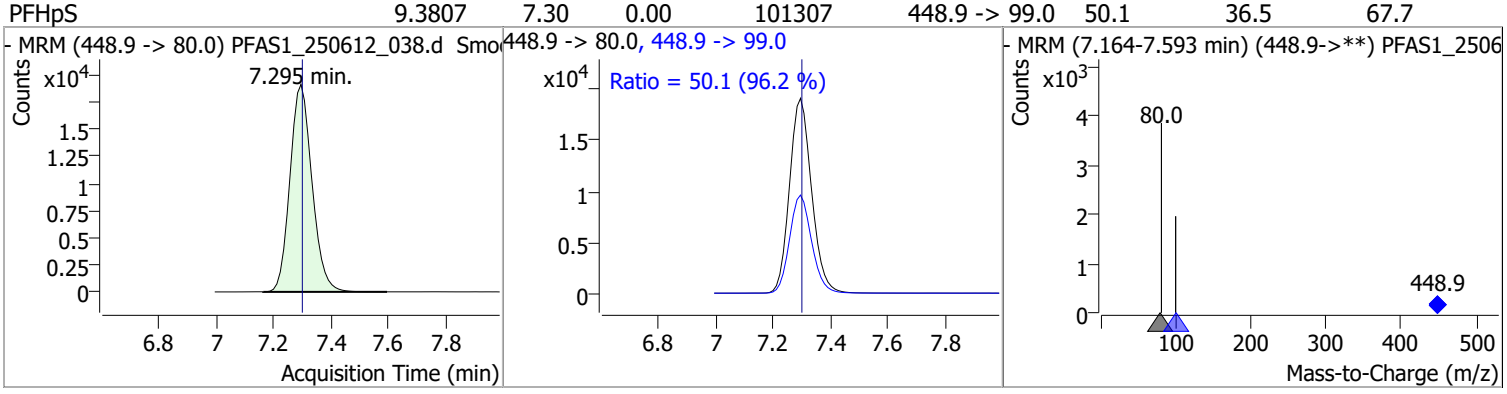
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	129995				



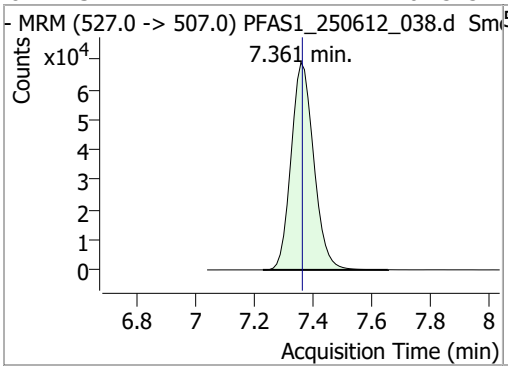
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.8006	7.13	0.00	971433	463.0 -> 219.0	14.8	11.2	20.9

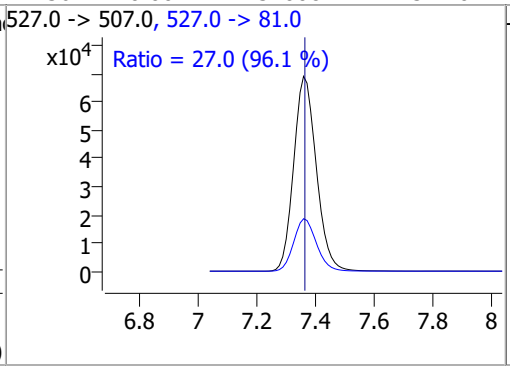


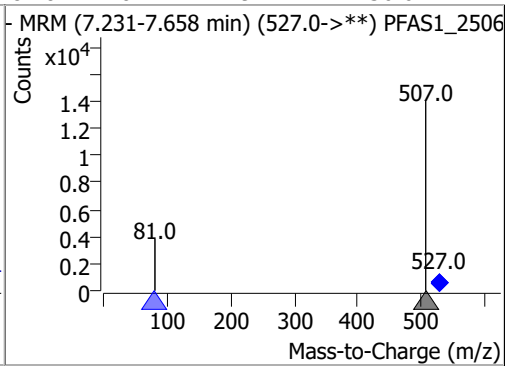
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.3807	7.30	0.00	101307	448.9 -> 99.0	50.1	36.5	67.7



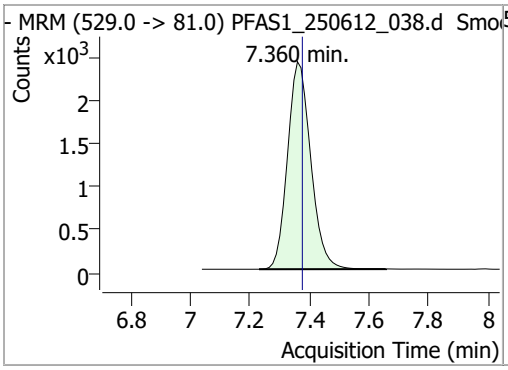
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	40.1313	7.36	0.00	370084	527.0 -> 81.0	27.0	19.7	36.6

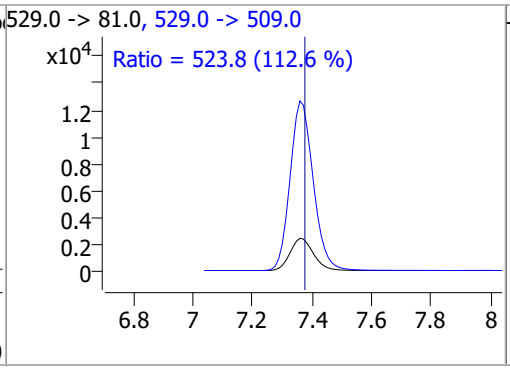


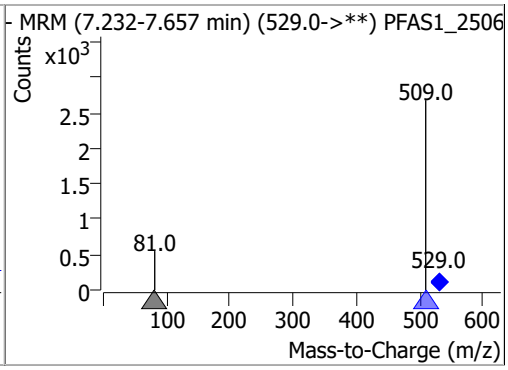




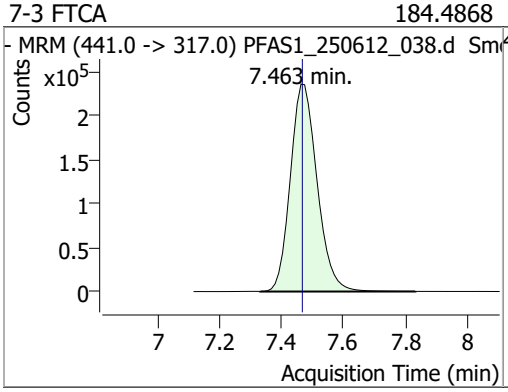
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	4.9972	7.36	-0.01	12981	529.0 -> 509.0	523.8	325.6	604.6

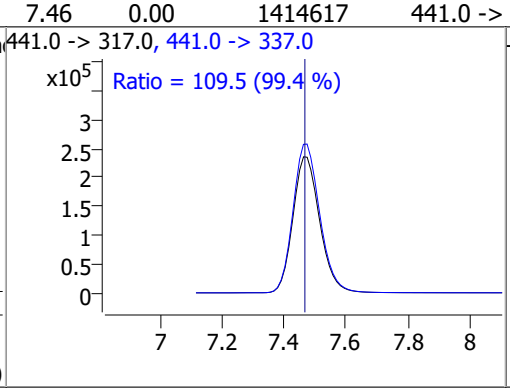


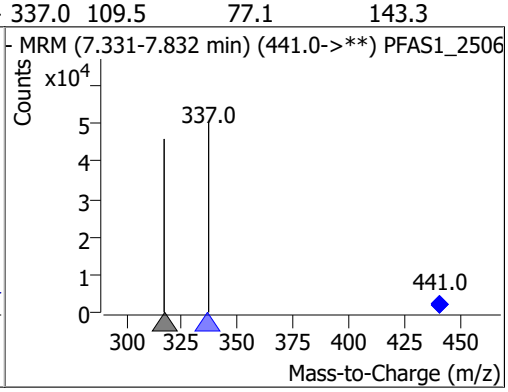




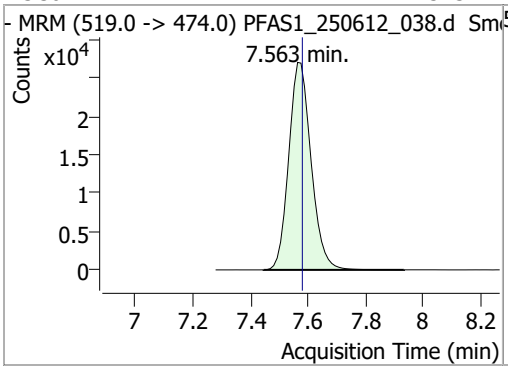
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	184.4868	7.46	0.00	1414617	441.0 -> 337.0	109.5	77.1	143.3

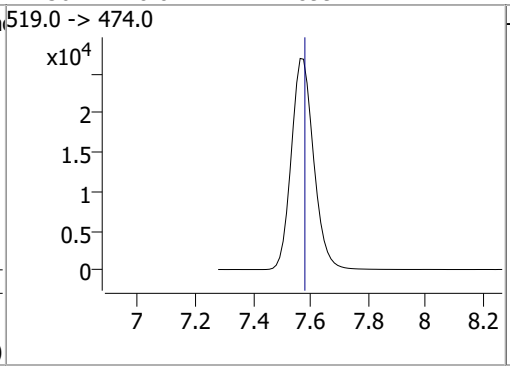


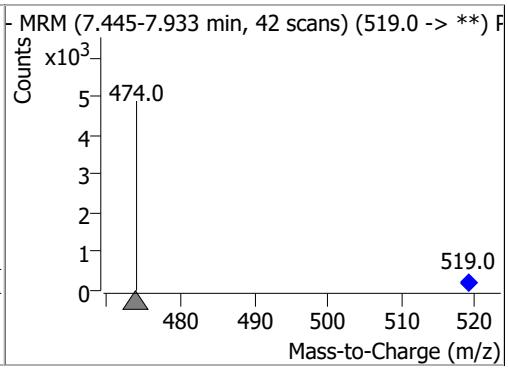




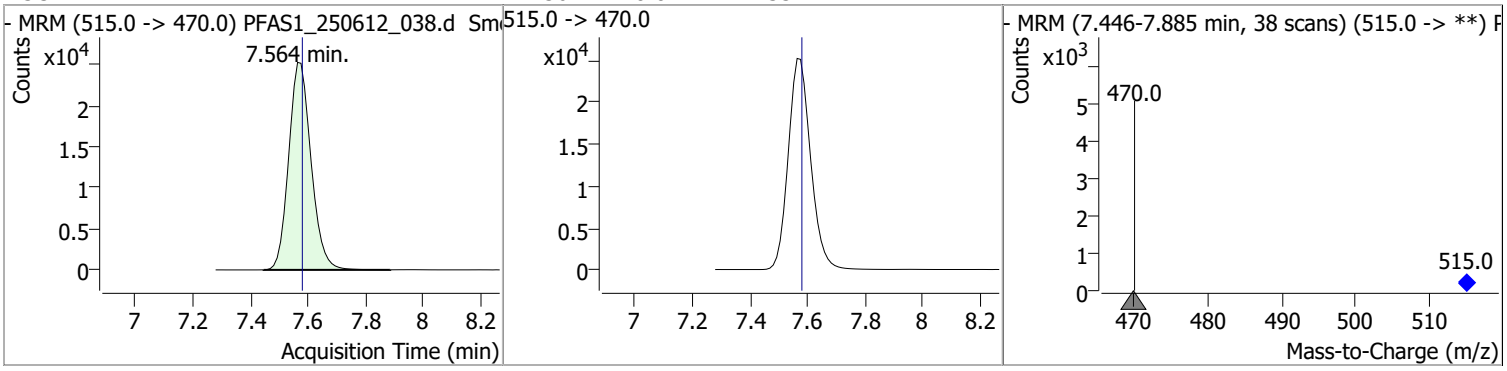
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2573	7.56	-0.01	144899				



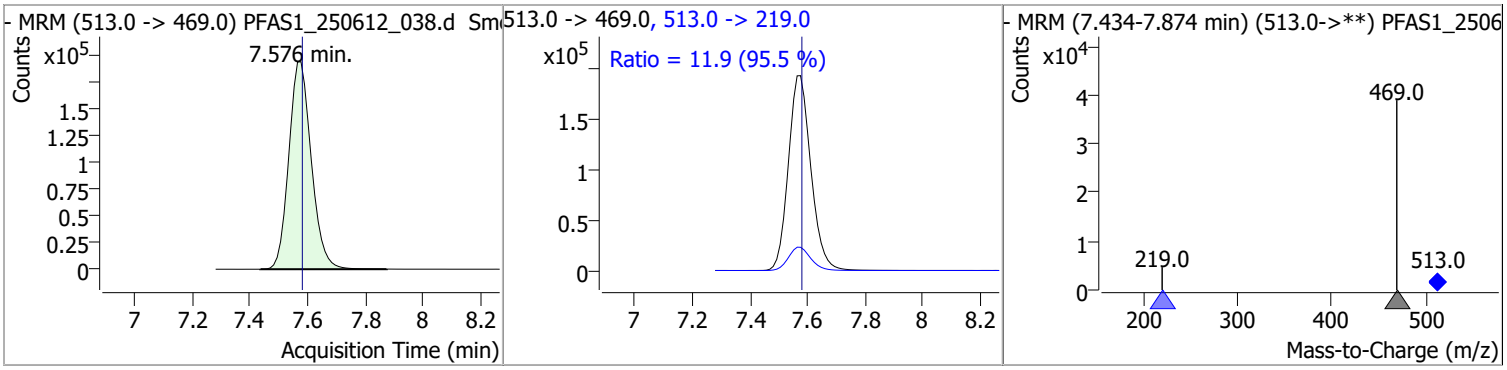




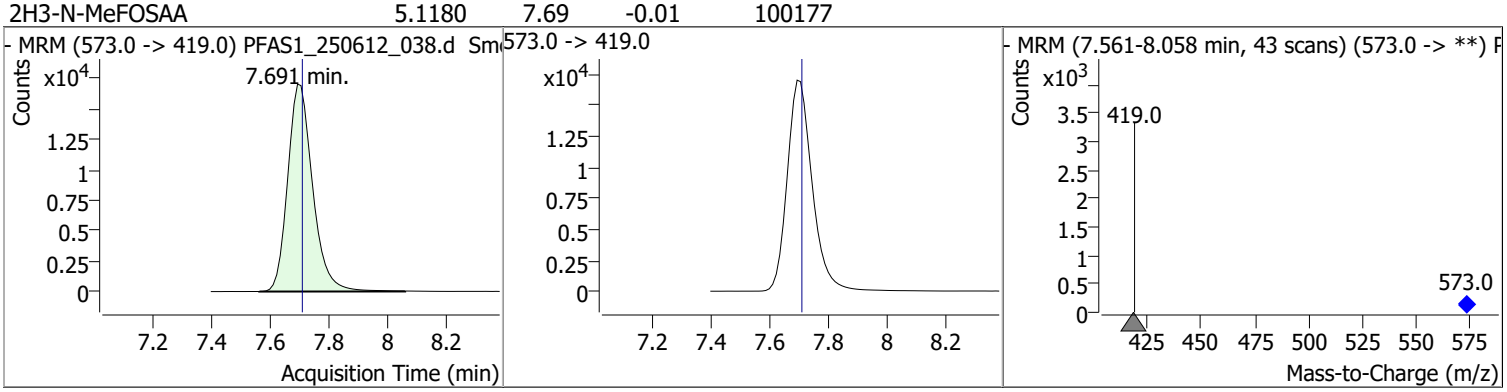
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	135714				



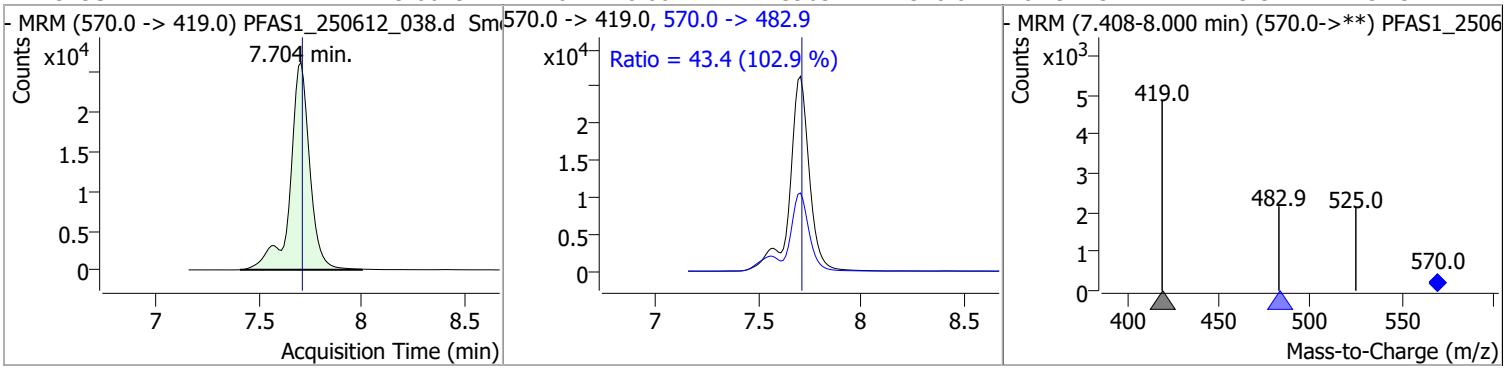
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.4621	7.58	0.00	1049576	513.0 -> 219.0	11.9	8.7	16.2



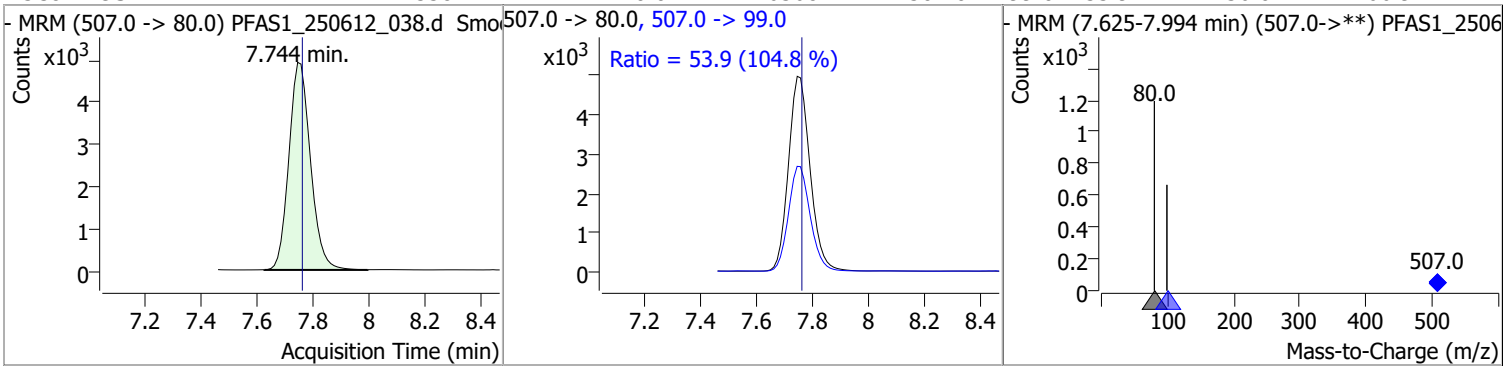
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	5.1180	7.69	-0.01	100177				



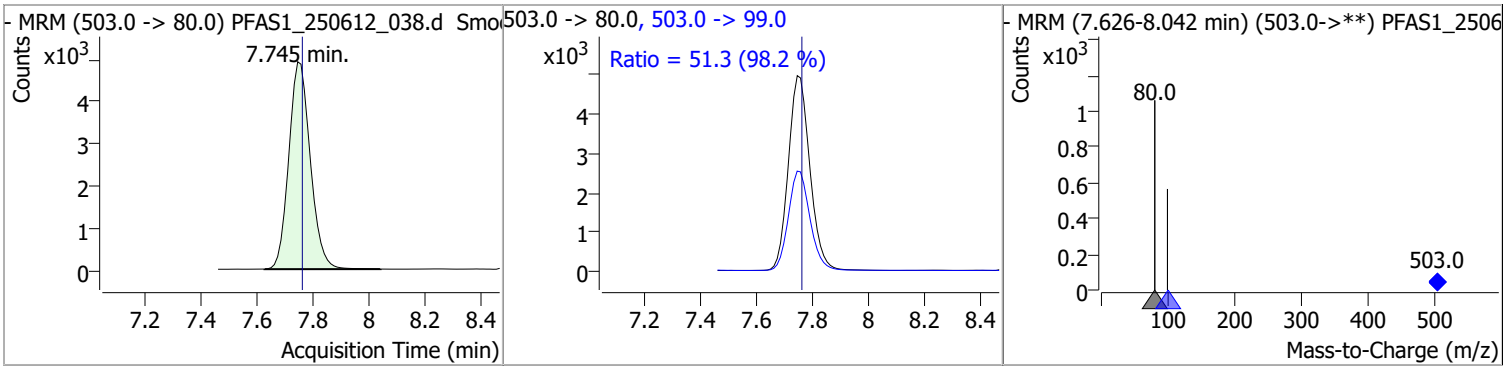
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.8625	7.70	0.00	173965	570.0 -> 482.9	43.4	29.5	54.9



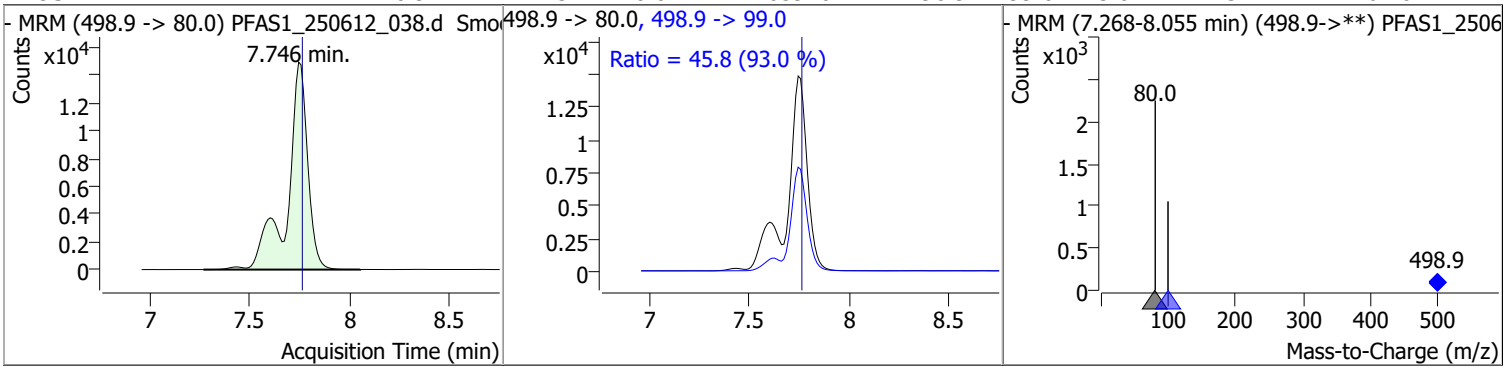
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5382	7.74	-0.01	26368	507.0 -> 99.0	53.9	36.0	66.9



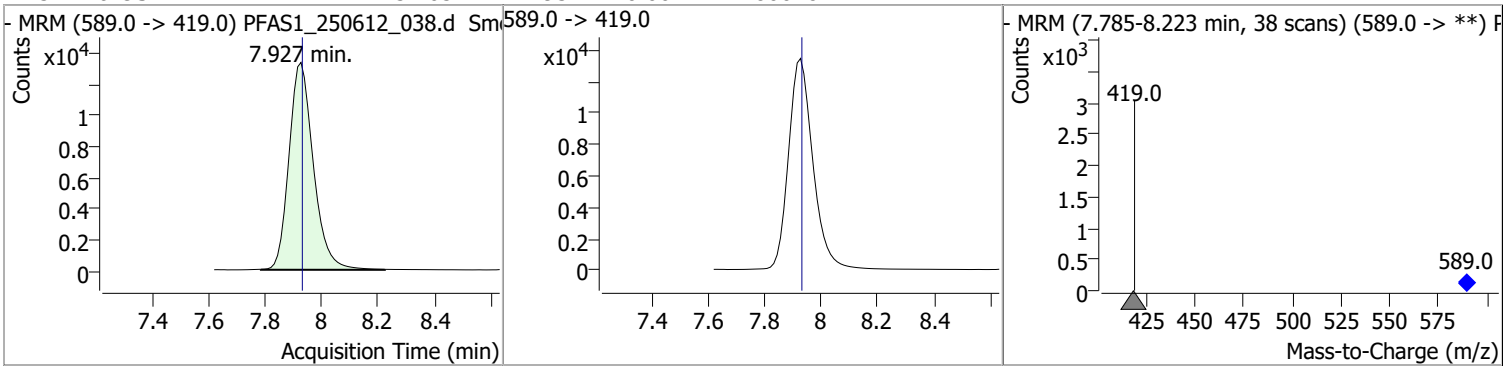
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	26214	503.0 -> 99.0	51.3	36.6	67.9



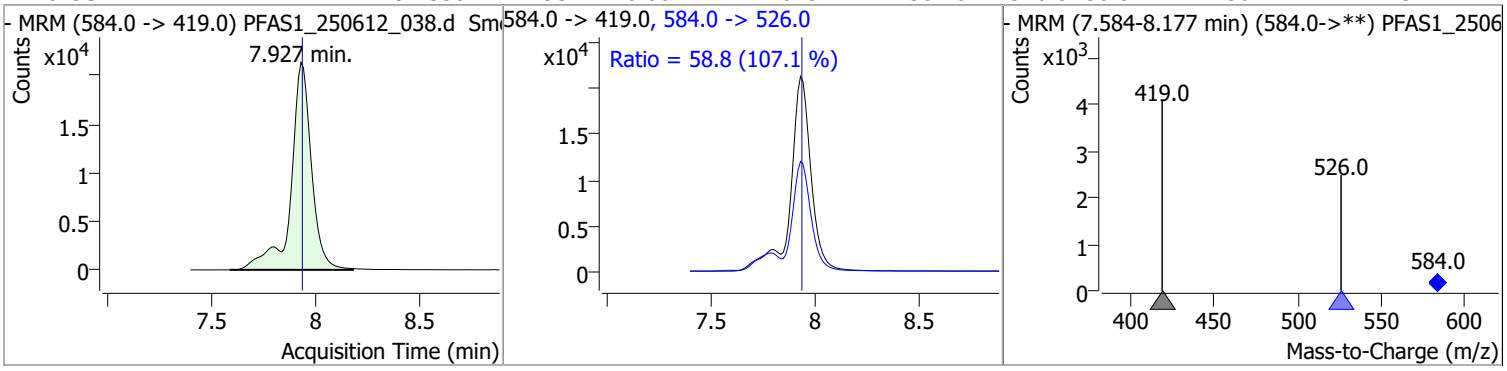
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.9741	7.75	-0.01	105910	498.9 -> 99.0	45.8	34.4	64.0



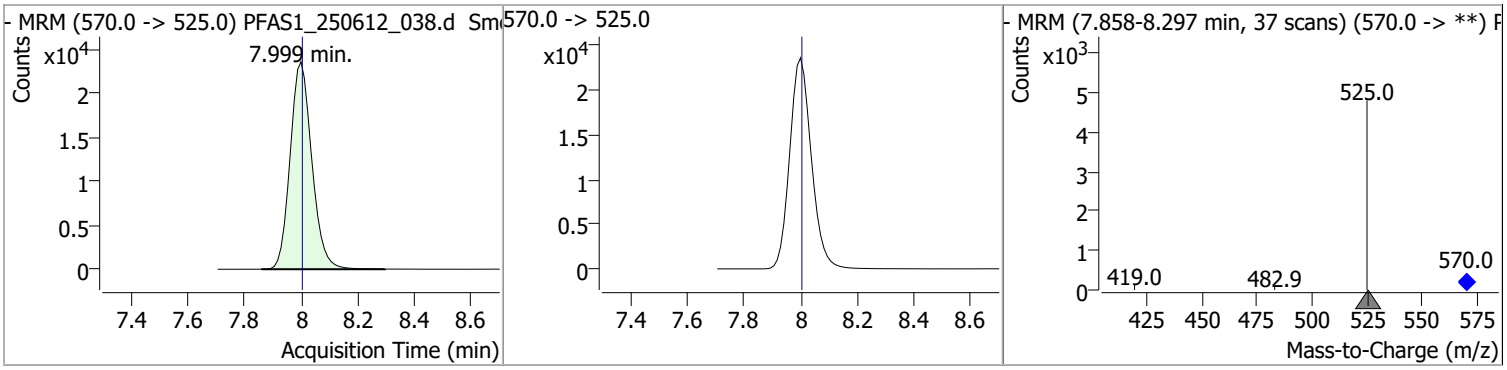
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	5.1054	7.93	0.00	80078				



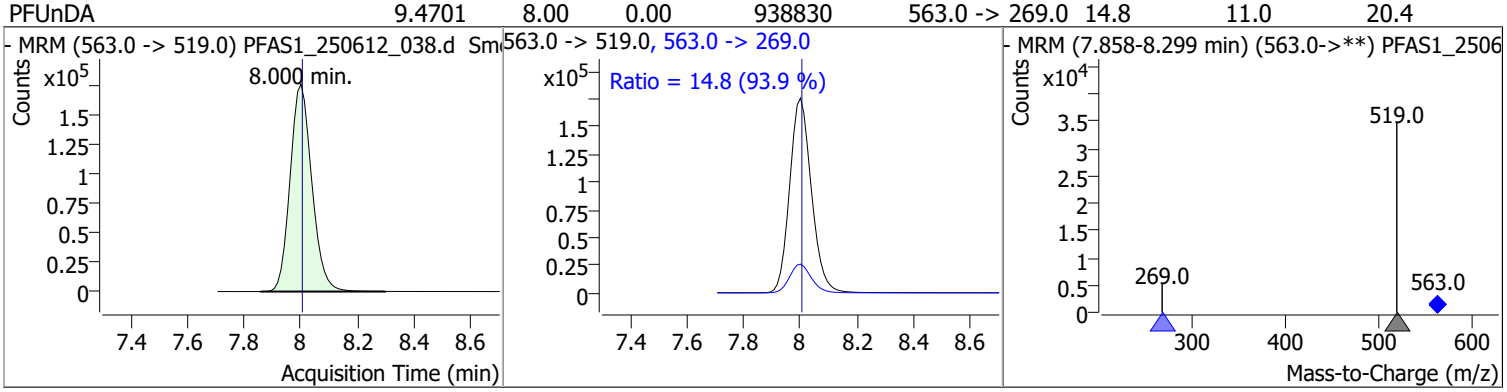
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.4550	7.93	0.00	146132	584.0 -> 526.0	58.8	38.4	71.3



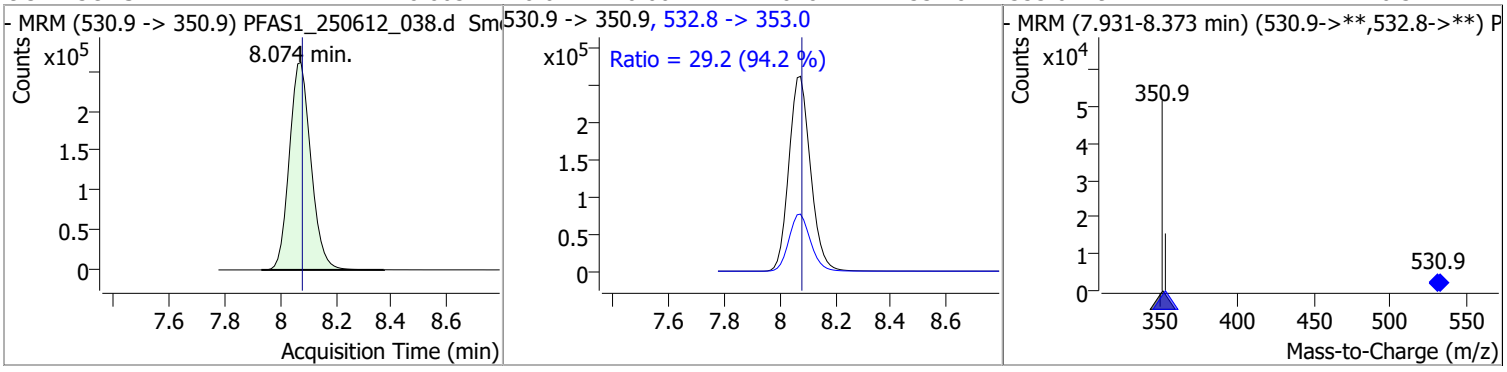
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2515	8.00	0.00	125231				



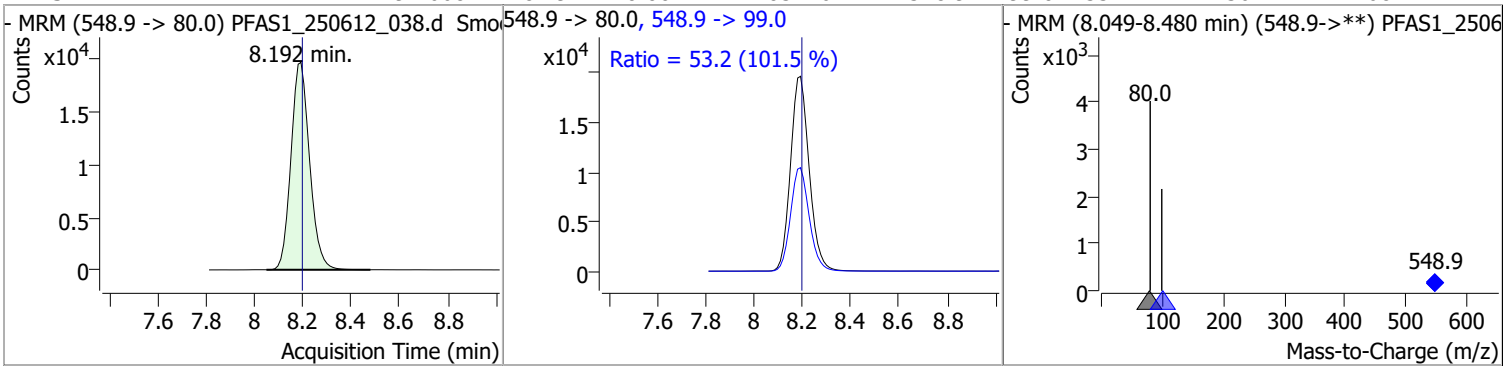
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.4701	8.00	0.00	938830	563.0 -> 269.0	14.8	11.0	20.4



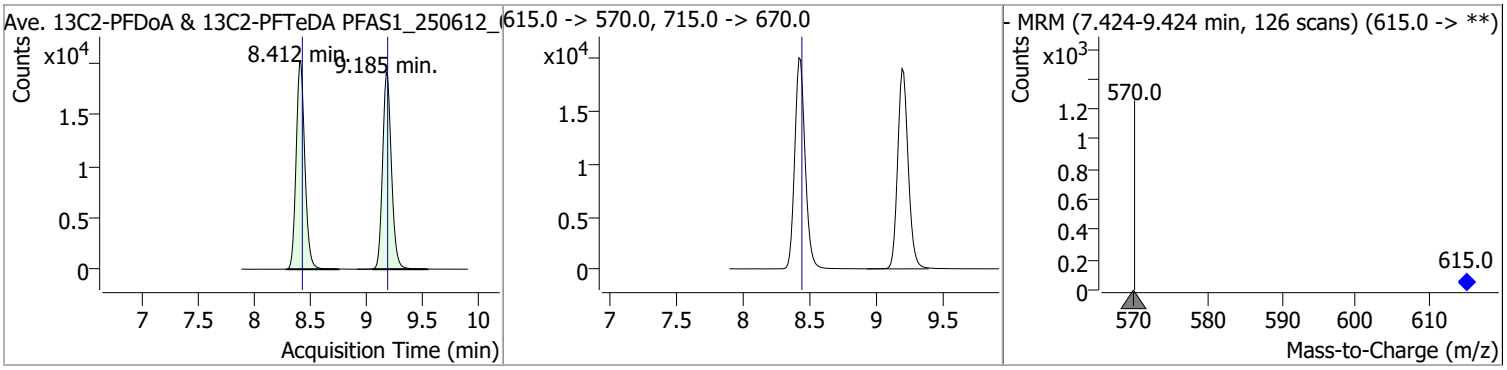
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.8031	8.07	0.00	1407827	532.8 -> 353.0	29.2	21.7	40.3



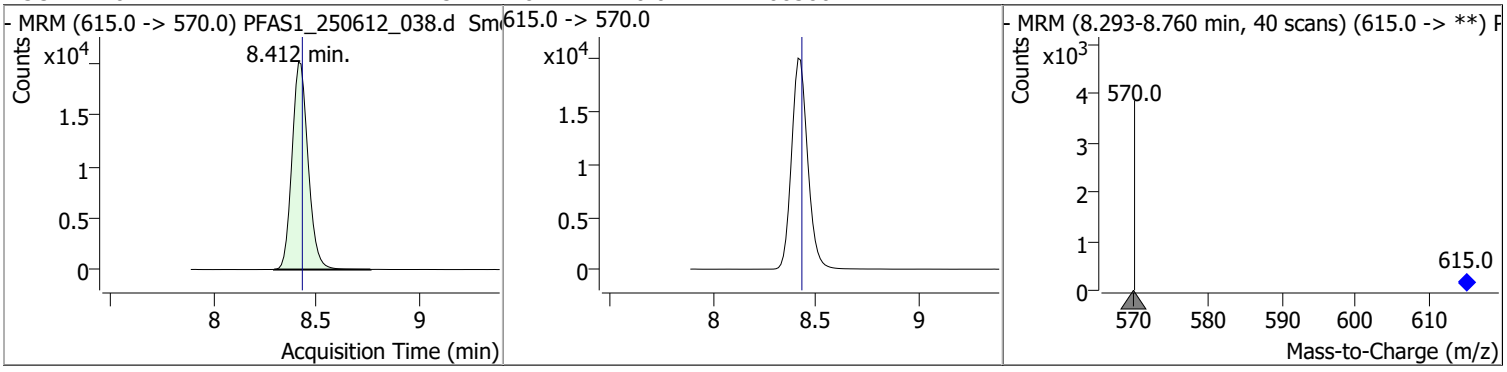
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.4668	8.19	0.00	105176	548.9 -> 99.0	53.2	36.7	68.1



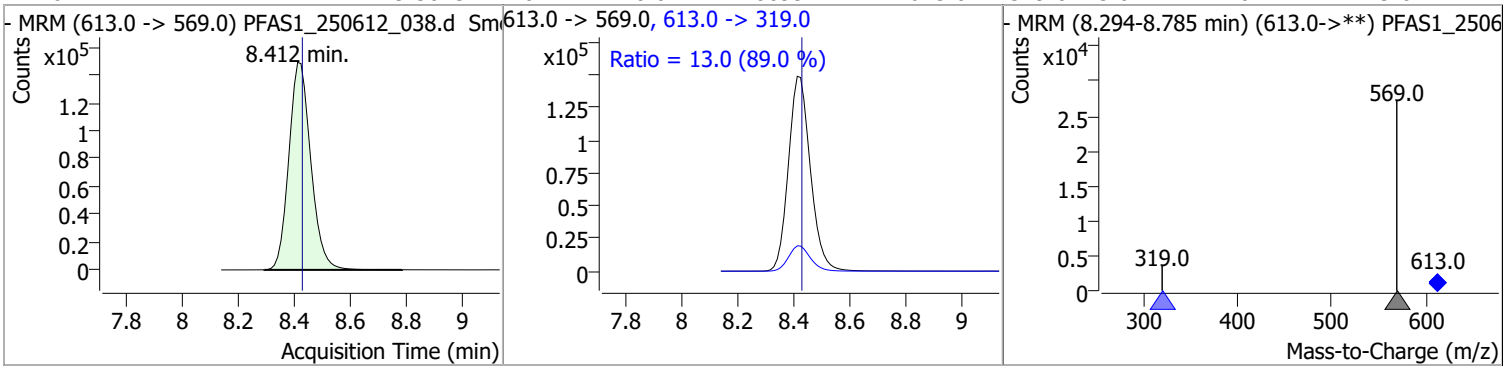
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2390	8.80	0.37	106513				



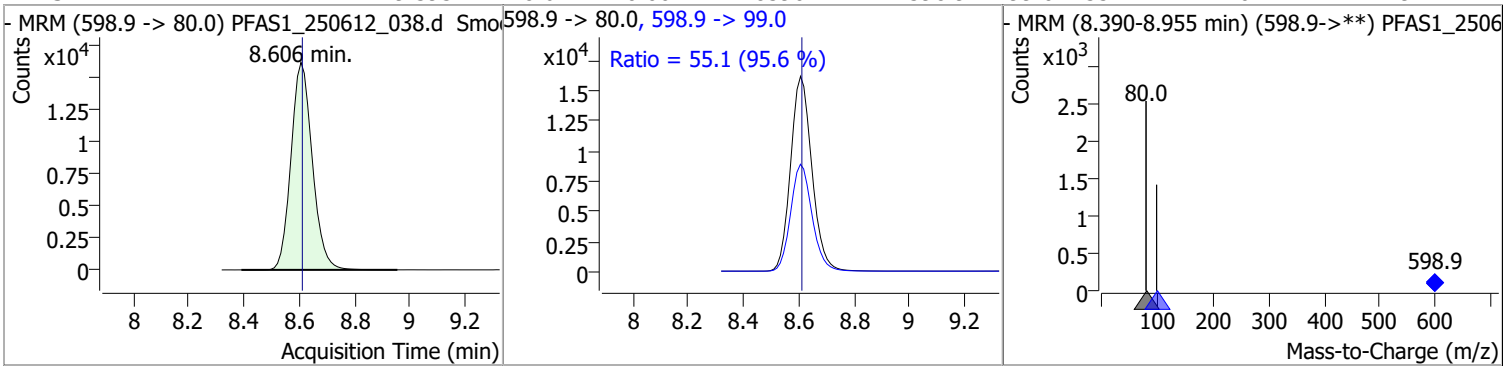
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2451	8.41	-0.01	108380				



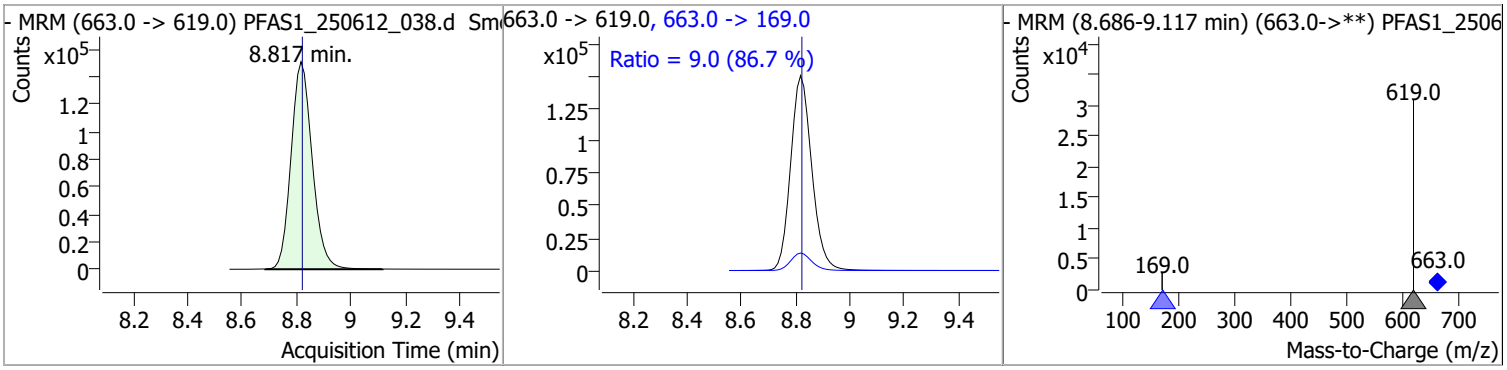
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.5023	8.41	-0.01	809972	613.0 -> 319.0	13.0	10.2	19.0



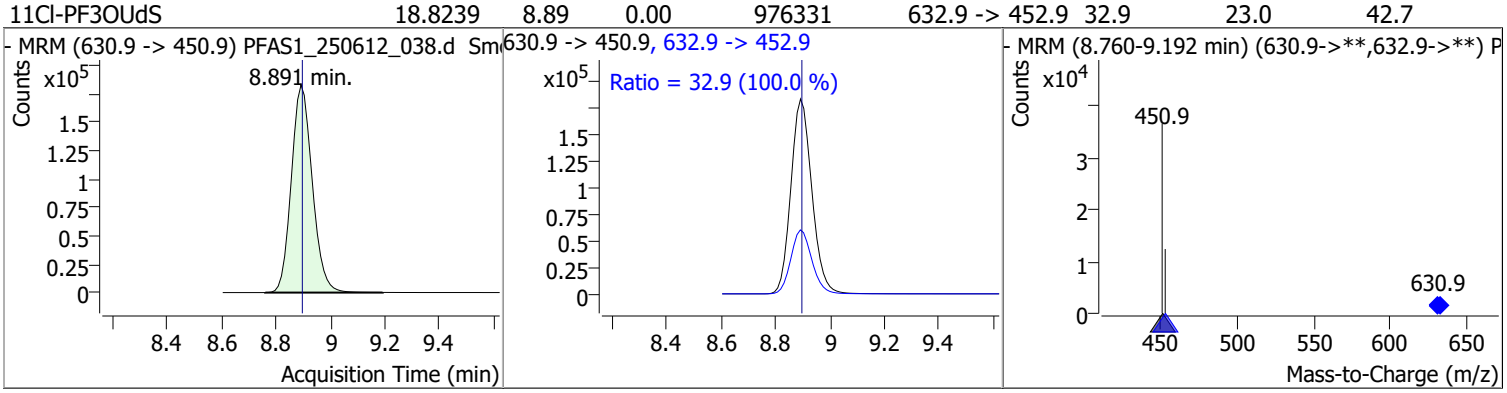
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	9.3931	8.61	0.00	85901	598.9 -> 99.0	55.1	40.4	74.9



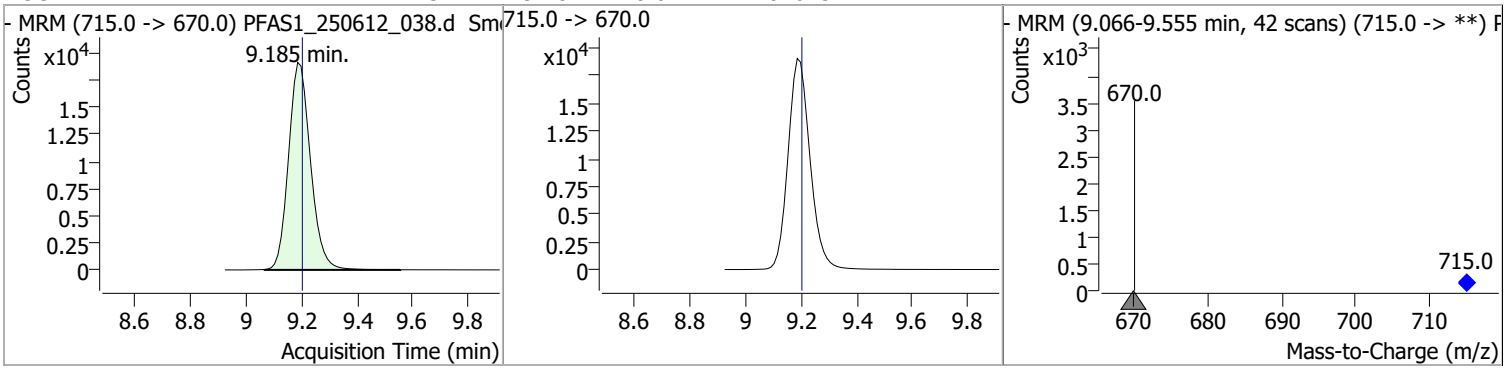
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.6412	8.82	0.00	815074	663.0 -> 169.0	9.0	7.2	13.4



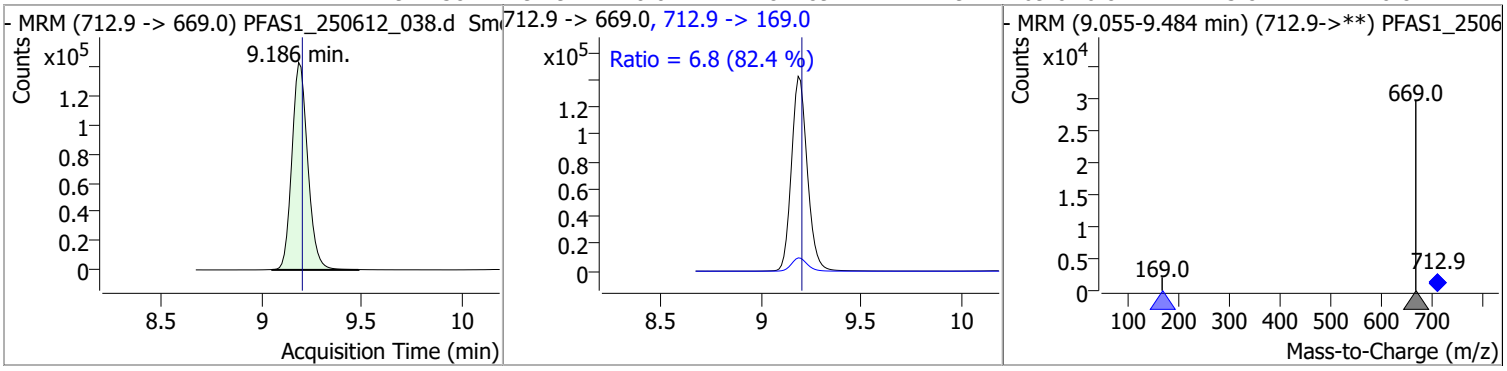
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	18.8239	8.89	0.00	976331	632.9 -> 452.9	32.9	23.0	42.7



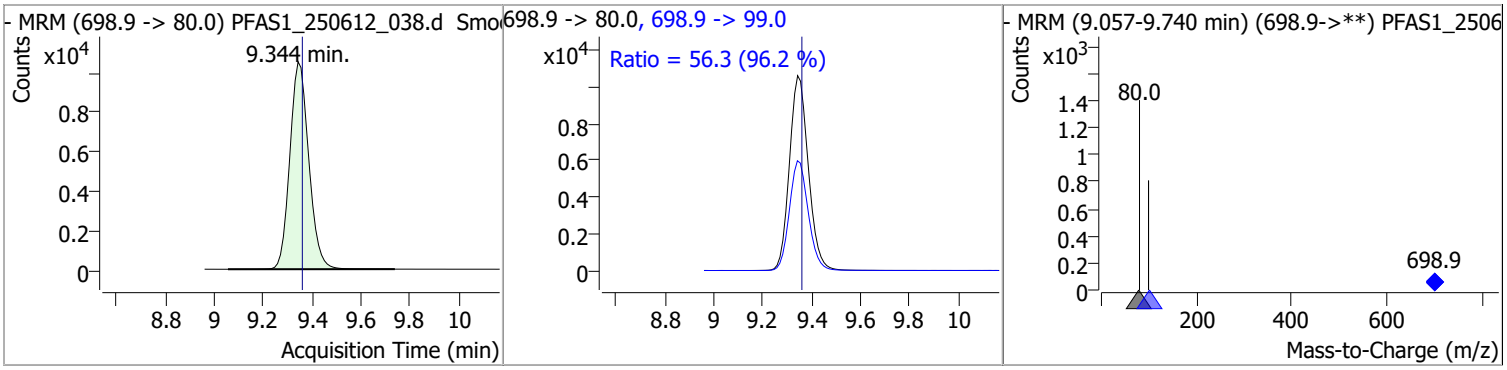
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2327	9.18	-0.01	104645				



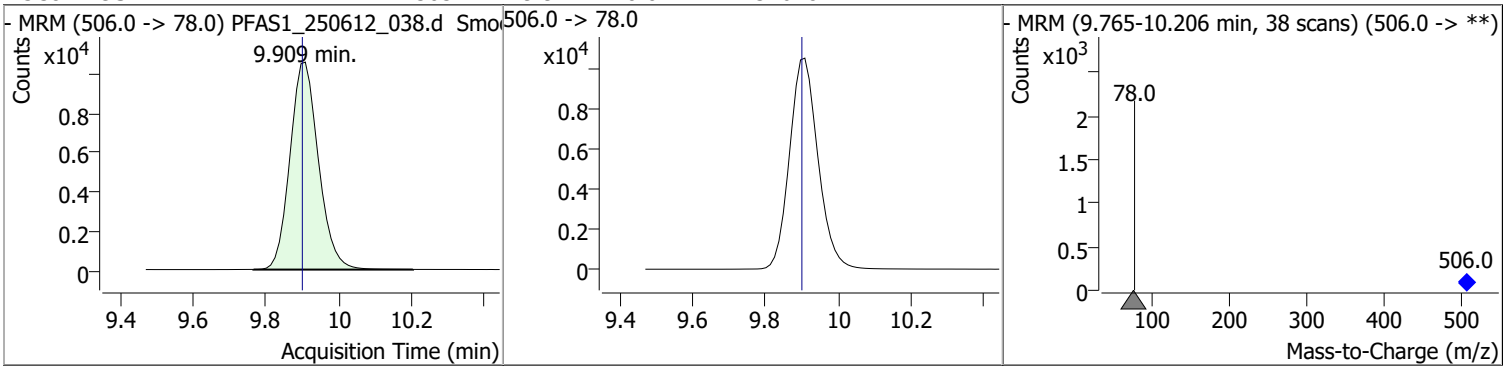
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.7458	9.19	-0.01	782489	712.9 -> 169.0	6.8	5.8	10.8



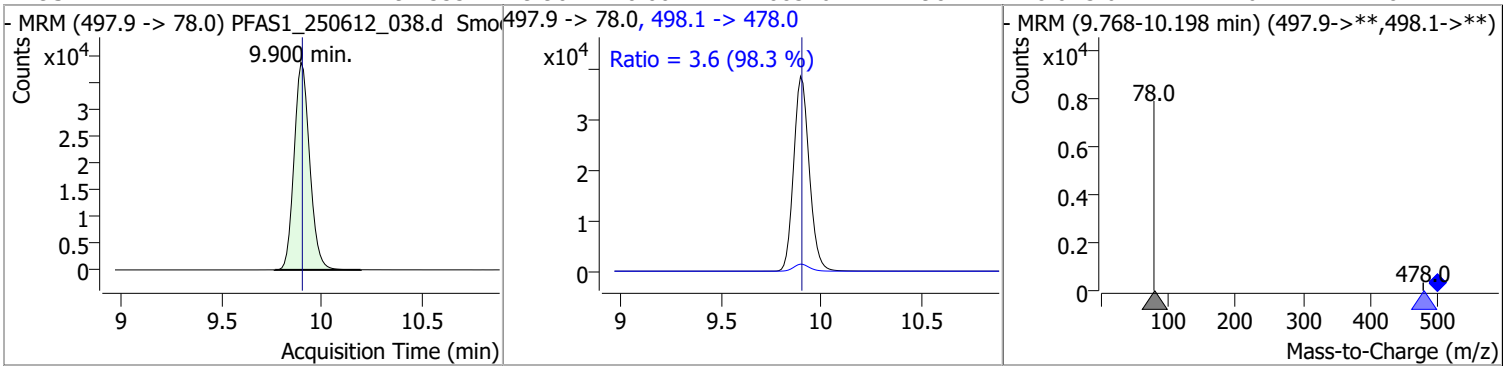
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.3677	9.34	-0.01	56359	698.9 -> 99.0	56.3	41.0	76.1



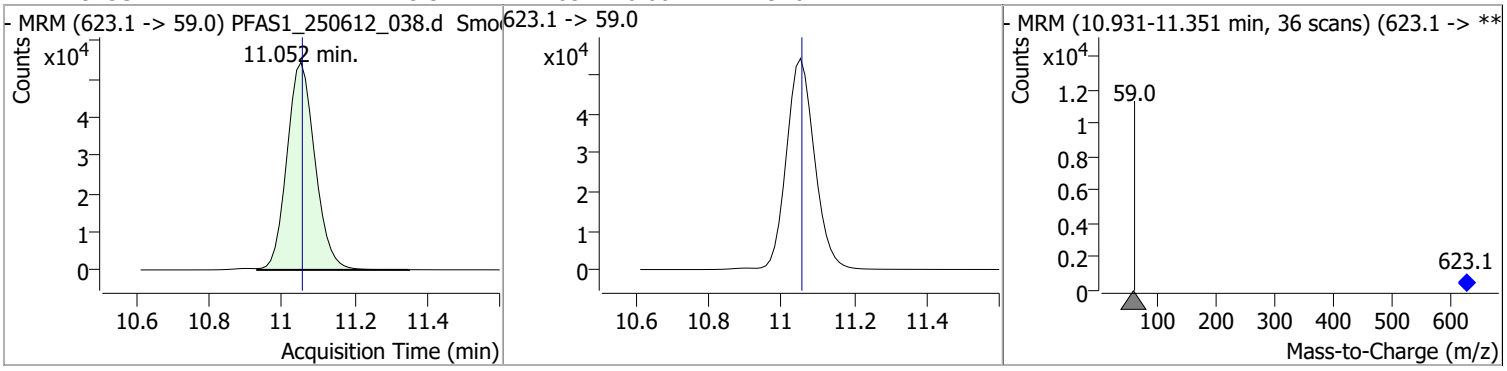
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.5054	9.91	0.01	57678				



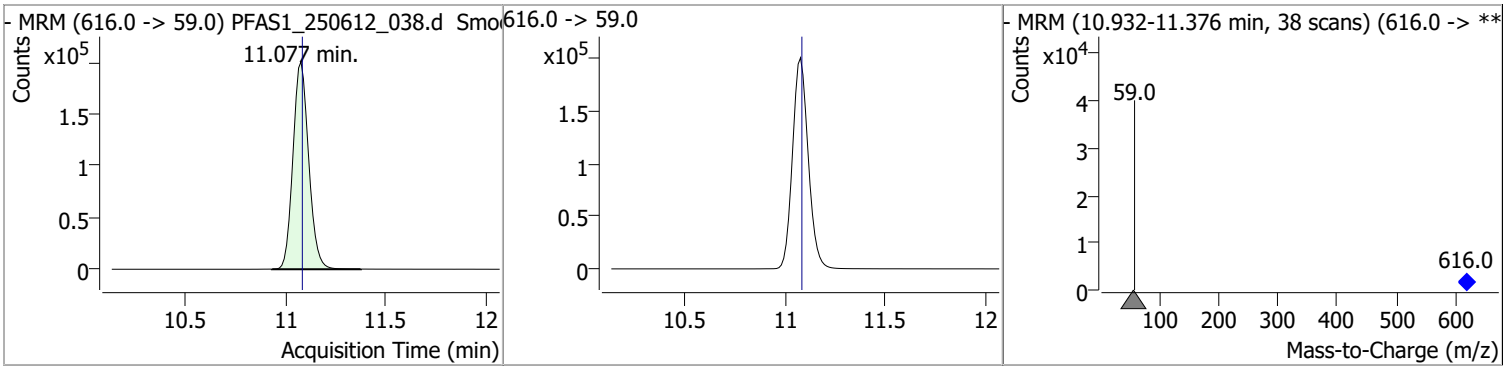
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.7555	9.90	0.00	208316	498.1 -> 478.0	3.6	2.6	4.8



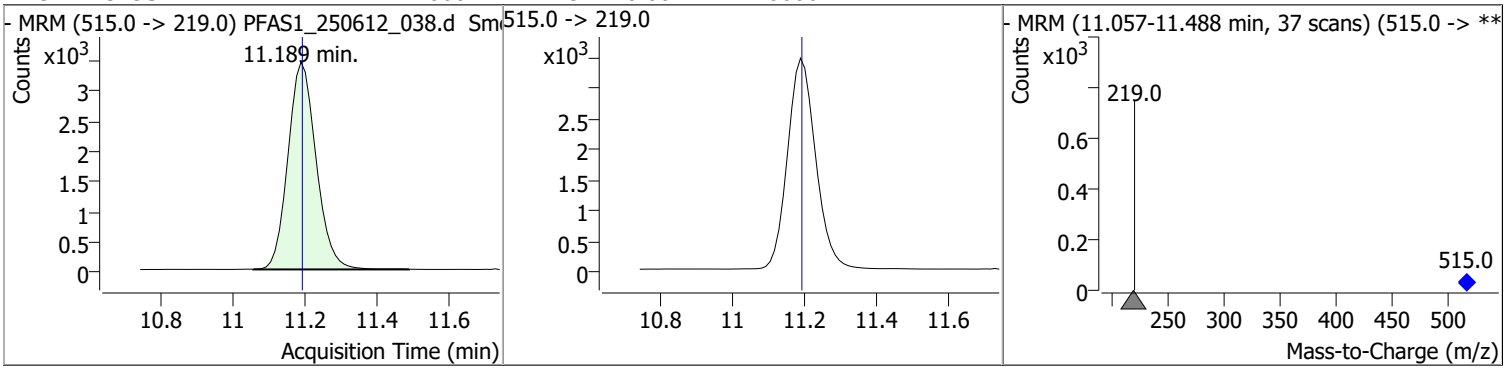
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	25.3171	11.05	0.00	292012				



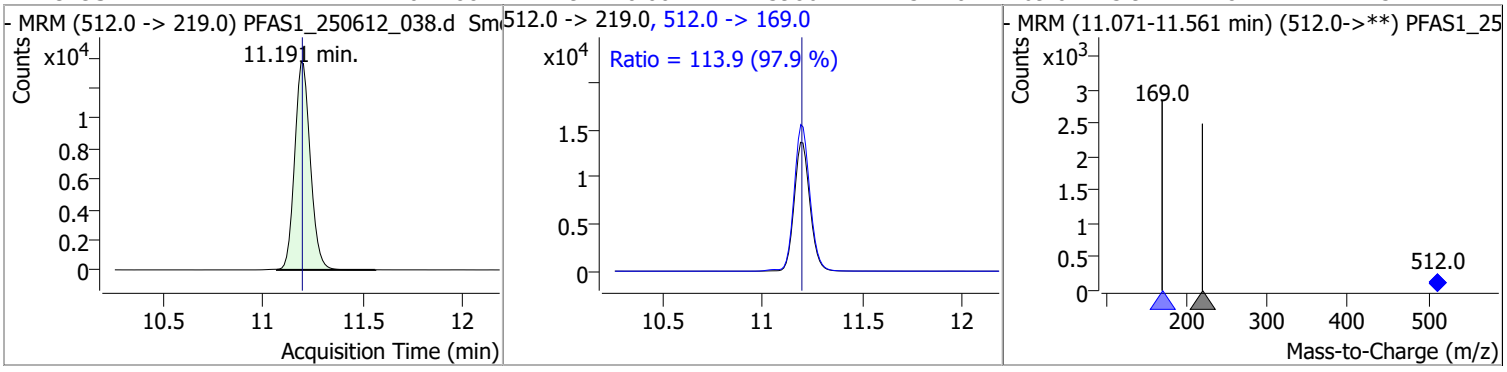
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	97.5787	11.08	0.00	1091114				



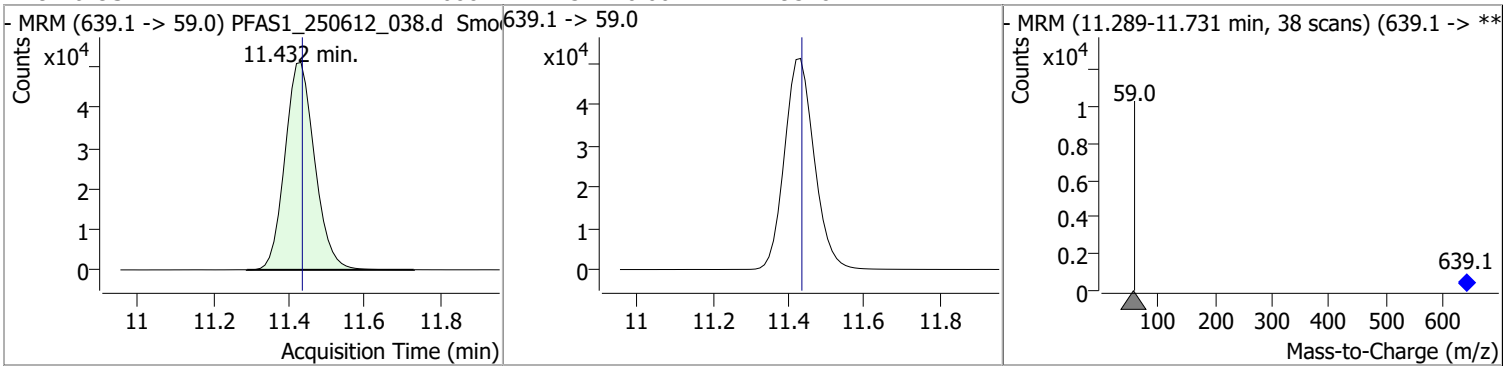
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.4066	11.19	0.00	18606				



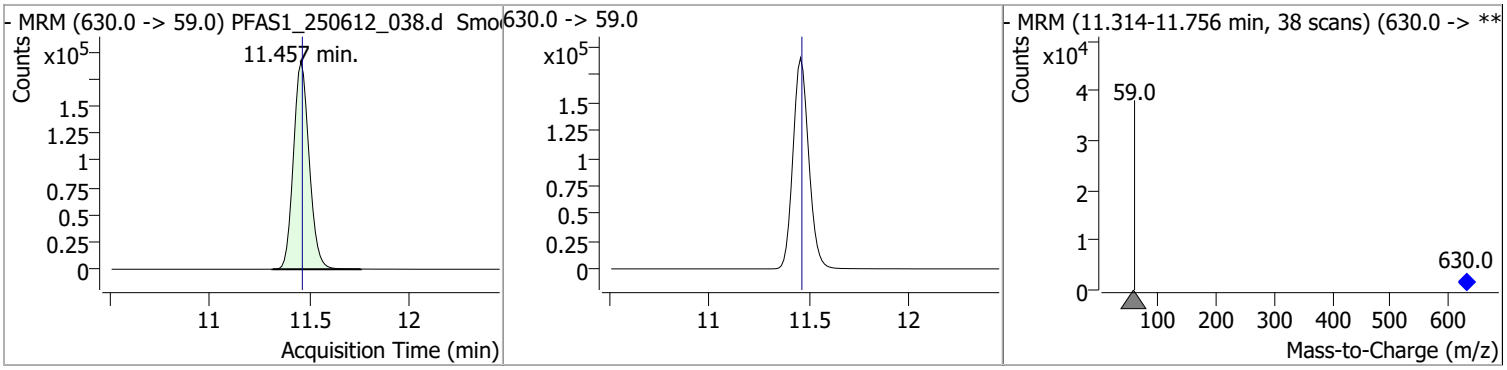
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	10.1188	11.19	0.00	73986	512.0 -> 169.0	113.9	81.4	151.2



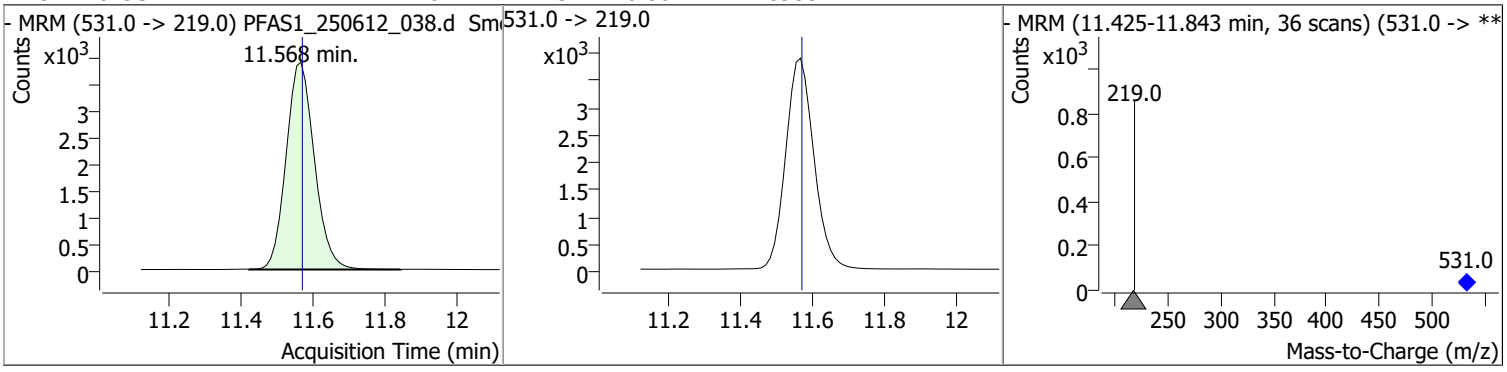
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	24.2088	11.43	0.00	279328				



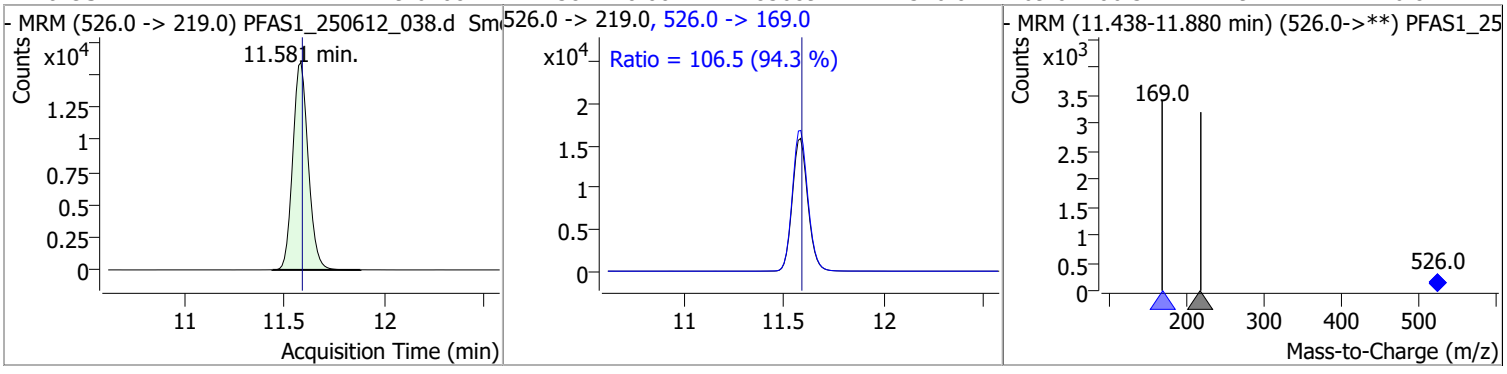
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	99.9863	11.46	0.00	1038163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.4641	11.57	0.00	20933				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	9.6708	11.58	0.00	85689	526.0 -> 169.0	106.5	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_047.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/13/25
Lab Sample ID:	S25F0493-CCV4 ( )	Injection Time:	01:42

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	40.0	38.5	32733.76	34609.425		-4.00	30
PFPeA	20.0	19.1	52422.73	54453.35		-4.00	30
PFHxA	10.0	9.60	73805.26	76520.54		-4.00	30
PFHpA	10.0	9.60	82926.58	86704.24		-4.00	30
PFOA	10.0	9.59	87940.64	91219.02		-4.00	30
PFNA	10.0	9.69	91327.08	97287.65		-3.00	30
PFDA	10.0	9.68	100157.4	105251.9		-3.00	30
PFUnA	10.0	9.67	90384.45	93783.53		-3.00	30
PFDoA	10.0	9.56	78492.77	80882.87		-4.00	30
PFTrDA	10.0	9.69	77601.33	81071.52		-3.00	30
PFTeDA	10.0	9.59	74138.76	76022.25		-4.00	30
PFBS	8.85	8.94	18895.72	0057.762711864		1.00	30
PFPeS	9.40	9.34	13159.76	3977.489361702		0.00	30
PFHxS	9.15	8.78	11100.11	1208.273224043		-4.00	30
PFHpS	9.55	9.23	10112.68	10565.057591623		-3.00	30
PFOS	9.30	8.72	11292.07	11203.935483871		-6.00	30
PFNS	9.60	9.25	10472.08	0830.416666666		-4.00	30
PFDS	9.65	9.08	8453.186	706.4248704663		-6.00	30
PFDoS	9.70	9.08	5542.4	698.1443298969		-6.00	30
4:2FTS	37.5	36.5	10960.44	11284.352		-2.00	30
6:2FTS	38.0	36.9	9595.639	0138.102631578		-3.00	30
8:2FTS	38.4	37.3	8734.04	468.9166666666		-3.00	30
PFOSA	10.0	9.77	20158.27	20988.52		-2.00	30
NMeFOSA	10.0	9.88	7200.237	7311.777		-1.00	30
NEtFOSA	10.0	9.85	8405.457	8622.026		-2.00	30
NMeFOSAA	10.0	9.72	16392.62	17346.2		-3.00	30
NEtFOSAA	10.0	9.68	14253.88	14776.05		-3.00	30
NMeFOSE	100	97.6	10598.36	10524.08		-2.00	30
NEtFOSE	100	101	10423.39	10194.48		2.00	30
HFPO-DA	20.0	19.2	22257.3	22809.83		-4.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_047.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/13/25
Lab Sample ID:	S25F0493-CCV4 ( )	Injection Time:	01:42

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
ADONA	18.9	18.1	101087.7	04700.26455026		-4.00	30
9CL-PF3ONS	18.7	18.1	71625.12	73657.807486631		-3.00	30
11CL-PF3OUdS	18.9	18.3	49394.22	51060.005291005		-3.00	30
3:3FTCA	40.0	37.8	1304.648	1338.64475		-6.00	30
5:3FTCA	200	186	6264.859	6441.535		-7.00	30
7:3FTCA	200	184	6915.942	7060.37		-8.00	30
PFEESA	17.8	17.3	54691.85	56993.314606741		-2.00	30
PFMPA	20.0	19.3	24782.15	26169.24		-3.00	30
PFMBA	20.0	19.3	33405.86	35203.58		-4.00	30
NFDHA	20.0	19.3	2846.614	2921.666		-4.00	30
13C4-PFBA	10.0	9.94	1.15441	1.1469475766430		-1.00	30
13C5-PFPeA	5.00	5.03	0.754645	0.7590069829786		1.00	30
13C5-PFHxA	2.50	2.51	1.029963	1.0355422233388		0.00	30
13C4-PFHpA	2.50	2.51	1.193766	1.1977442350955		0.00	30
13C8-PFOA	2.50	2.47	11.19502	11.060912273836		-1.00	30
13C9-PFNA	1.25	1.23	1.024979	1.0104781890634		-1.00	30
13C6-PFDA	1.25	1.23	1.06149	1.0457262039694		-1.00	30
13C7-PFUnA	1.25	1.22	0.9216579	0.9025239703907		-2.00	30
13C2-PFDoA	1.25	1.23	0.8017501	0.7919703701739		-1.00	30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.23	0.7918246	0.7762982013093		-2.00	30
13C2-PFTeDA	1.25	1.22	0.7818992	0.7606260324446		-3.00	30
13C3-PFBS	2.50	2.51	1.810213	1.8168301383515		0.00	30
13C3-PFHxS	2.50	2.50	1.147619	1.1487049397907		0.00	30
13C8-PFOS	2.50	2.47	0.9907137	0.9803182104217		-1.00	30
13C2-4:2FTS	5.00	5.02	0.3410825	0.3427575485375		0.00	30
13C2-6:2FTS	5.00	5.20	0.2390102	0.2487862590249		4.00	30
13C2-8:2FTS	5.00	5.28	0.2617047	0.2762703056184		6.00	30
13C8-PFOSA	2.50	2.43	2.195459	2.1322585254876		-3.00	30
D3-NMeFOSA	2.50	2.35	0.7373179	0.6917085359756		-6.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_047.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/13/25
Lab Sample ID:	S25F0493-CCV4 ( )	Injection Time:	01:42

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.34	0.8101407	7597978223918		-6.00	30
D3-NMeFOSAA	5.00	4.99	1.866674	.8622943315990		0.00	30
D5-NEtFOSAA	5.00	4.85	1.495826	.4522561303317		-3.00	30
D7-NMeFOSE	25.0	23.5	1.099985	.0347227809082		-6.00	30
D9-NEtFOSE	25.0	22.6	1.100376	99295927022685		-10.00	30
13C3-HFPO-DA	10.0	9.94	0.3105434	3086477369704		-1.00	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_047.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/13/2025 1:42:30 AM
Sample Name	SEQ-CCV	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

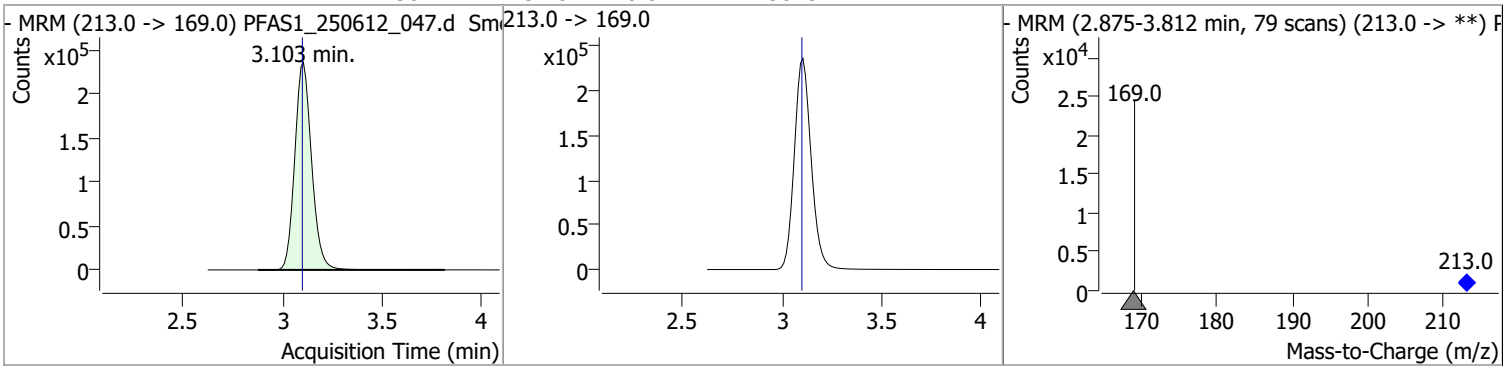
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	172589	5.0000	µg/L	9.111
13C2-PFHxA	5.479	315.0 -> 270.0	190649	2.5000	µg/L	6.701
18O2-PFHxS	6.796	403.0 -> 84.0	24803	2.5000	µg/L	5.545
13C4-PFOA	6.651	417.0 -> 172.0	21875	2.5000	µg/L	8.319
13C5-PFNA	7.125	468.0 -> 423.0	131998	1.2500	µg/L	10.294
13C2-PFDA	7.564	515.0 -> 470.0	135782	1.2500	µg/L	8.512
13C4-PFOS	7.745	503.0 -> 80.0	27222	2.5000	µg/L	9.036
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	395901	10.0000	µg/L	8.468
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.35%		
13C4-PFBA	3.095	217.0 -> 172.0	395901	10.0000	µg/L	8.468
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.35%		
13C5-PFPeA	4.594	268.0 -> 223.0	289408	5.0000	µg/L	7.282
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.58%		
13C5-PFPeA	4.594	268.0 -> 223.0	289408	5.0000	µg/L	7.282
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.58%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	17003	5.0000	µg/L	5.513
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 100.49%		
13C5-PFHxA	5.478	318.0 -> 273.0	197425	2.5000	µg/L	7.297
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.54%		
13C5-PFHxA	5.478	318.0 -> 273.0	197425	2.5000	µg/L	7.297
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.54%		
13C3-PFBS	5.494	302.0 -> 80.0	45064	2.5000	µg/L	5.717
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.37%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	235374	10.0000	µg/L	6.086
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.39%		
13C4-PFHpA	6.130	367.0 -> 322.0	228349	2.5000	µg/L	7.107
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.33%		
13C3-PFHxS	6.797	402.0 -> 80.0	28492	2.5000	µg/L	5.598
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.09%		
13C2-6-2 FTSA	6.447	429.0 -> 81.0	12342	5.0000	µg/L	9.439
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 104.09%		
13C8-PFOA	6.650	421.0 -> 376.0	241960	2.5000	µg/L	7.111
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.80%		
13C3-PFHxS	6.797	402.0 -> 80.0	28492	2.5000	µg/L	5.598
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 100.09%		
13C9-PFNA	7.125	472.0 -> 427.0	133381	1.2500	µg/L	8.704
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.59%		
13C8-PFOS	7.744	507.0 -> 80.0	26686	2.5000	µg/L	7.847
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.95%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13705	5.0000	µg/L	11.349
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.57%		
13C2-8-2 FTSA	7.360	529.0 -> 81.0	13705	5.0000	µg/L	11.349
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 105.57%		
13C6-PFDA	7.563	519.0 -> 474.0	141991	1.2500	µg/L	6.838

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.51%		
2H3-N-MeFOSAA	7.691	573.0 -> 419.0	101389	5.0000	µg/L	9.090
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 99.77%		
13C8-PFOS	7.744	507.0 -> 80.0	26686	2.5000	µg/L	7.847
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 98.95%		
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	79065	5.0000	µg/L	6.070
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 97.09%		
13C7-PFUnDA	7.999	570.0 -> 525.0	122547	1.2500	µg/L	6.227
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.92%		
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.798	615.0 -> 570.0	105407	1.2500	µg/L	6.468
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.04%		
13C2-PFDoDA	8.412	615.0 -> 570.0	107535	1.2500	µg/L	7.267
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.78%		
13C2-PFTDA	9.185	715.0 -> 670.0	103279	1.2500	µg/L	5.650
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.28%		
13C8-PFOSA	9.897	506.0 -> 78.0	58044	2.5000	µg/L	6.124
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.12%		
2H7-MeFOSE	11.052	623.1 -> 59.0	281668	25.0000	µg/L	2.533
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 94.07%		
2H3-N-MeFOSA	11.189	515.0 -> 219.0	18829	2.5000	µg/L	2.593
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.81%		
2H9-EtFOSE	11.420	639.1 -> 59.0	270300	25.0000	µg/L	-1.629
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 90.24%		
2H5-N-EtFOSA	11.568	531.0 -> 219.0	20683	2.5000	µg/L	2.406
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.79%		
Target Compounds						QValue
PFBA	3.103	213.0 -> 169.0	1384377	38.4742	µg/L	100
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 96.19%		
PFMPA	3.794	229.0 -> 85.0	523385	19.3498	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.75%		
3-3 FTCA	4.030	241.0 -> 177.0	53546	37.7575	µg/L	99
Spiked Amount: 40.000	Range: 70 - 130%			Recovery = 94.39%		
PFPeA	4.596	263.0 -> 219.0	1089067	19.0876	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 95.44%		
PFMBA	4.910	279.0 -> 85.0	704072	19.2582	µg/L	100
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.29%		
4-2 FTSA	5.239	327.0 -> 307.0	423163	36.5358	µg/L	96
Spiked Amount: 37.500	Range: 70 - 130%			Recovery = 97.43%		
NFDHA	5.390	295.0 -> 201.0	58433	19.2752	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.38%		
PFHxA	5.480	313.0 -> 269.0	765205	9.5997	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.00%		
PFBS	5.495	298.9 -> 80.0	177511	8.9362	µg/L	98
Spiked Amount: 8.870	Range: 70 - 130%			Recovery = 100.75%		
HFPO-DA	5.736	285.0 -> 169.0	456197	19.2381	µg/L	99
Spiked Amount: 20.000	Range: 70 - 130%			Recovery = 96.19%		
PFEESA	5.860	314.9 -> 135.0	1014481	17.3458	µg/L	97
Spiked Amount: 17.800	Range: 70 - 130%			Recovery = 97.45%		
5-3 FTCA	6.132	341.0 -> 237.0	1288307	185.8664	µg/L	100
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 92.93%		
PFHpA	6.130	363.0 -> 319.0	867042	9.5992	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.99%		
PFPeS	6.229	348.9 -> 80.0	131388	9.3366	µg/L	98
Spiked Amount: 9.410	Range: 70 - 130%			Recovery = 99.22%		

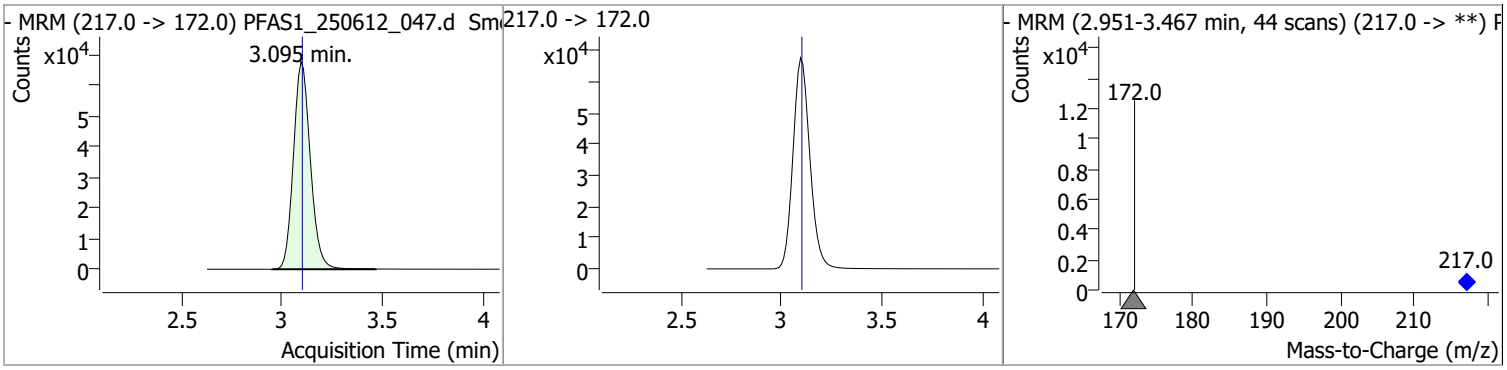
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
DONA	6.333	377.0 -> 251.0	1978835	18.0805	µg/L	97
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 95.66%		
6-2 FTSA	6.448	427.0 -> 407.0	385248	36.9341	µg/L	97
Spiked Amount: 38.000	Range: 70 - 130%			Recovery = 97.19%		
PFOA	6.651	413.0 -> 369.0	912190	9.5943	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.94%		
PFHxS	6.798	398.9 -> 80.0	102556	8.7803	µg/L	96
Spiked Amount: 9.140	Range: 70 - 130%			Recovery = 96.06%		
PFNA	7.126	463.0 -> 419.0	972877	9.6852	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.85%		
PFHpS	7.295	448.9 -> 80.0	100896	9.2315	µg/L	97
Spiked Amount: 9.530	Range: 70 - 130%			Recovery = 96.87%		
8-2 FTSA	7.361	527.0 -> 507.0	363606	37.3464	µg/L	99
Spiked Amount: 38.400	Range: 70 - 130%			Recovery = 97.26%		
7-3 FTCA	7.463	441.0 -> 317.0	1412074	184.3503	µg/L	99
Spiked Amount: 200.000	Range: 70 - 130%			Recovery = 92.18%		
PFDA	7.564	513.0 -> 469.0	1052519	9.6826	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.83%		
N-MeFOSAA	7.692	570.0 -> 419.0	173462	9.7164	µg/L	98
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.16%		
PFOS	7.746	498.9 -> 80.0	104197	8.7231	µg/L	96
Spiked Amount: 9.280	Range: 70 - 130%			Recovery = 94.00%		
N-EtFOSAA	7.927	584.0 -> 419.0	147760	9.6826	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.83%		
PFUnDA	8.000	563.0 -> 519.0	937835	9.6670	µg/L	97
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.67%		
9Cl-PF3ONS	8.062	530.9 -> 350.9	1377400	18.1339	µg/L	97
Spiked Amount: 18.700	Range: 70 - 130%			Recovery = 96.97%		
PFNS	8.181	548.9 -> 80.0	103972	9.2470	µg/L	99
Spiked Amount: 9.620	Range: 70 - 130%			Recovery = 96.12%		
PFDoDA	8.412	613.0 -> 569.0	808829	9.5634	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.63%		
PFDS	8.606	598.9 -> 80.0	84017	9.0783	µg/L	98
Spiked Amount: 9.650	Range: 70 - 130%			Recovery = 94.08%		
PFTrDA	8.817	663.0 -> 619.0	810715	9.6901	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 96.90%		
11Cl-PF3OUdS	8.891	630.9 -> 450.9	965034	18.3405	µg/L	99
Spiked Amount: 18.900	Range: 70 - 130%			Recovery = 97.04%		
PFTDA	9.186	712.9 -> 669.0	760222	9.5940	µg/L	96
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 95.94%		
PFDoS	9.344	698.9 -> 80.0	55272	9.0783	µg/L	96
Spiked Amount: 9.700	Range: 70 - 130%			Recovery = 93.59%		
PFOSA	9.900	497.9 -> 78.0	209885	9.7671	µg/L	100
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 97.67%		
MeFOSE	11.077	616.0 -> 59.0	1052408	97.5735	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 97.57%		
N-MeFOSA	11.191	512.0 -> 219.0	73118	9.8816	µg/L	99
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.82%		
EtFOSE	11.457	630.0 -> 59.0	1019448	101.4666	µg/L	100
Spiked Amount: 100.000	Range: 70 - 130%			Recovery = 101.47%		
N-EtFOSA	11.581	526.0 -> 219.0	86220	9.8480	µg/L	95
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.48%		

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

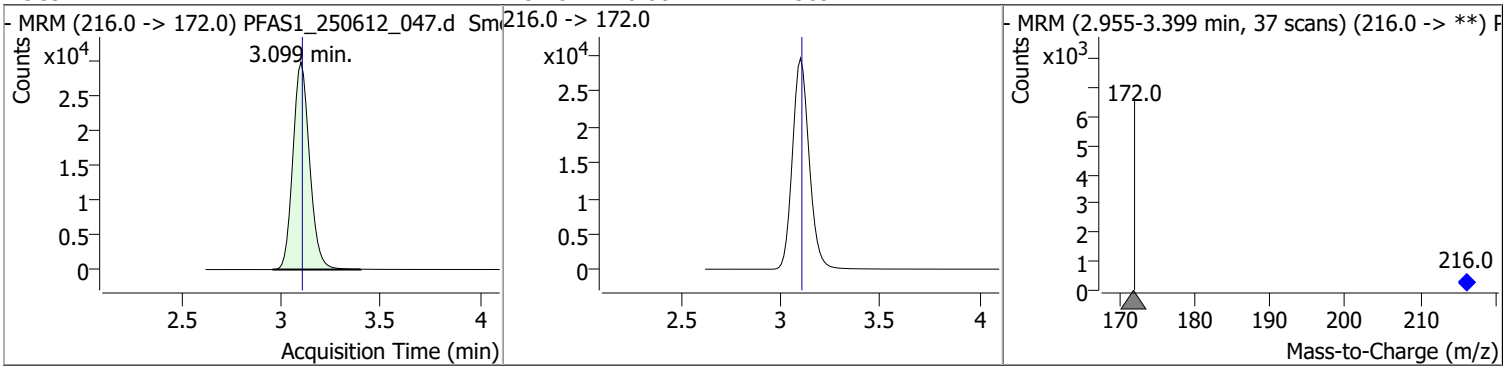
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	38.4742	3.10	0.01	1384377				



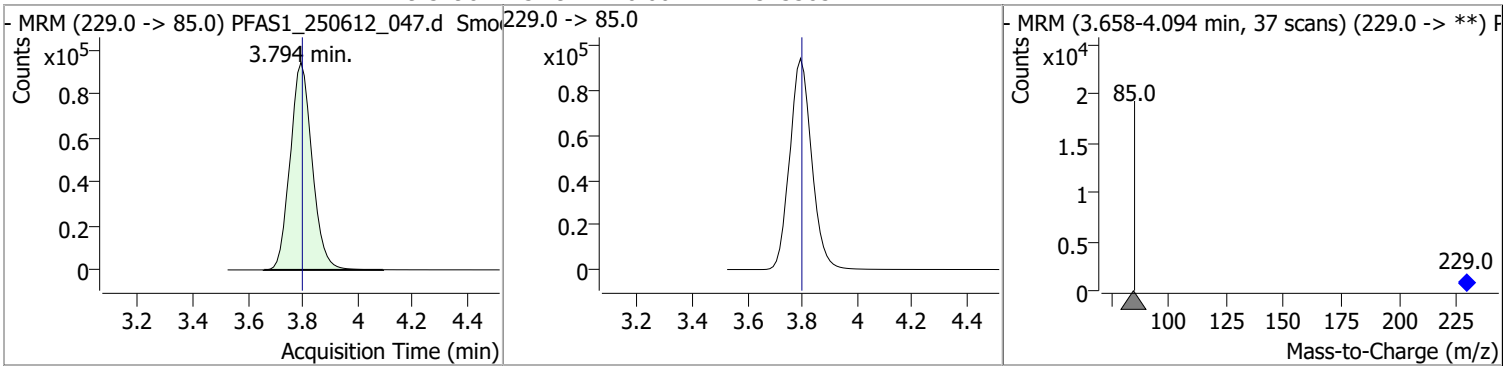
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9354	3.09	0.00	395901				



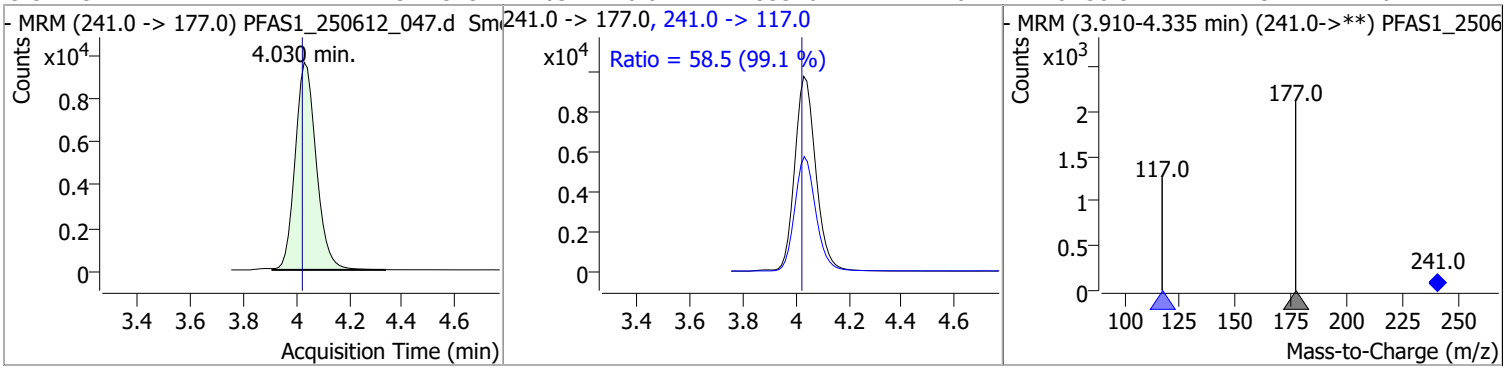
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	172589				



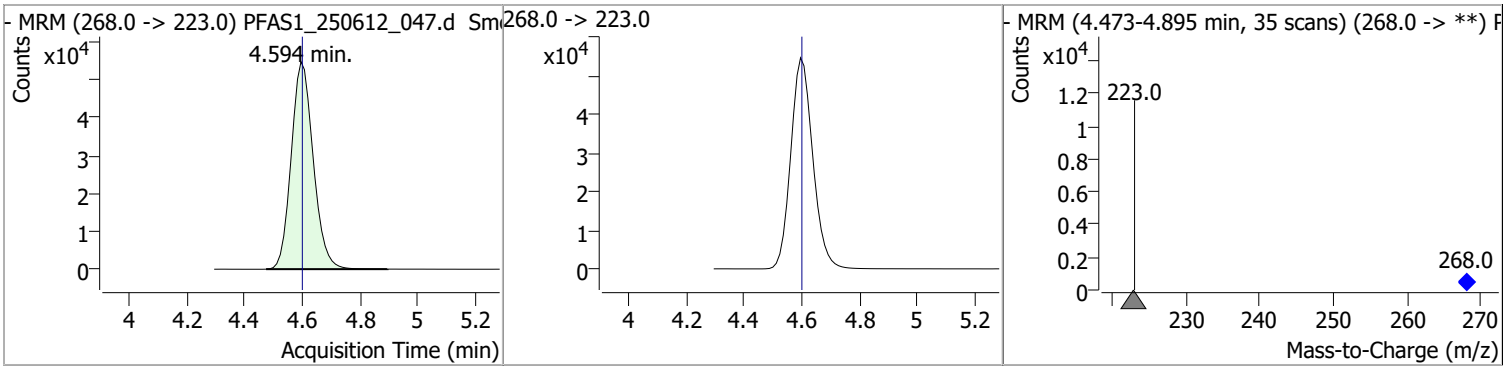
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	19.3498	3.79	0.00	523385				



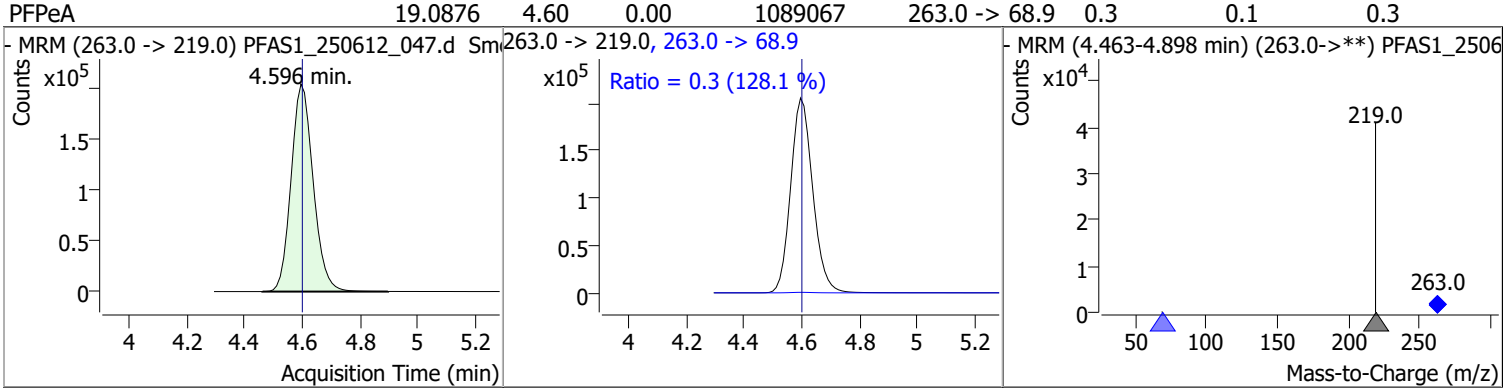
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	37.7575	4.03	0.01	53546	241.0 -> 117.0	58.5	41.3	76.7



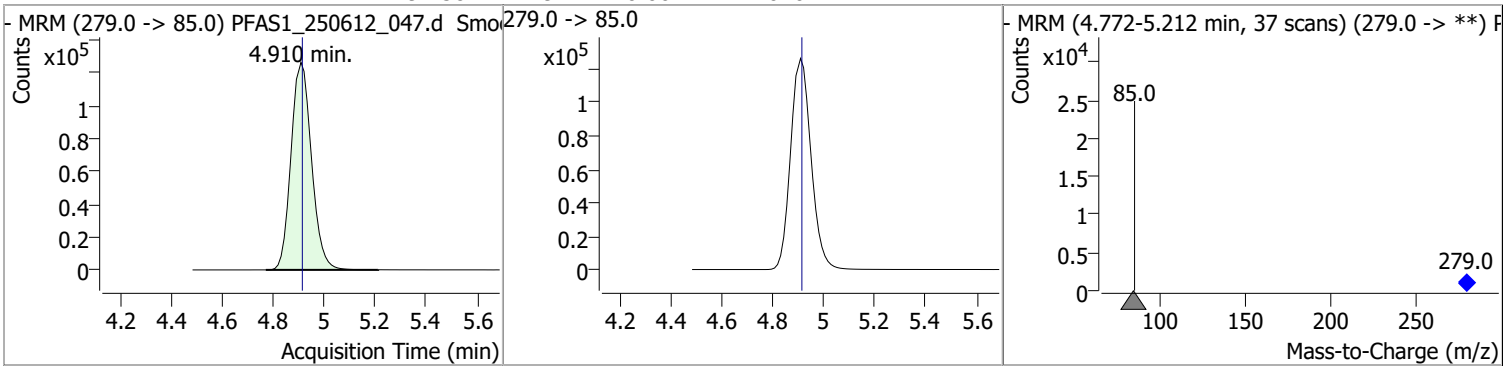
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0289	4.59	0.00	289408				



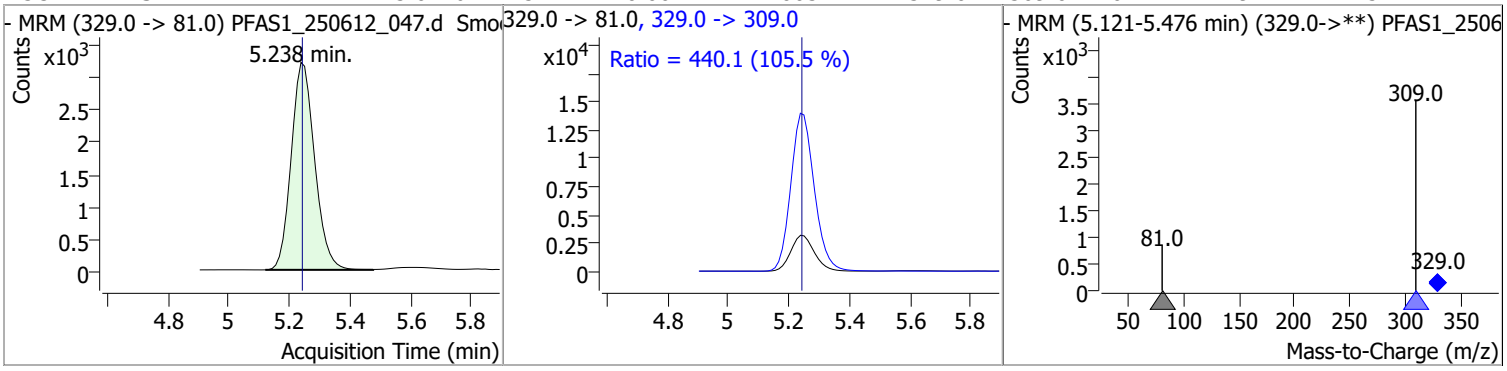
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	19.0876	4.60	0.00	1089067	263.0 -> 68.9	0.3	0.1	0.3



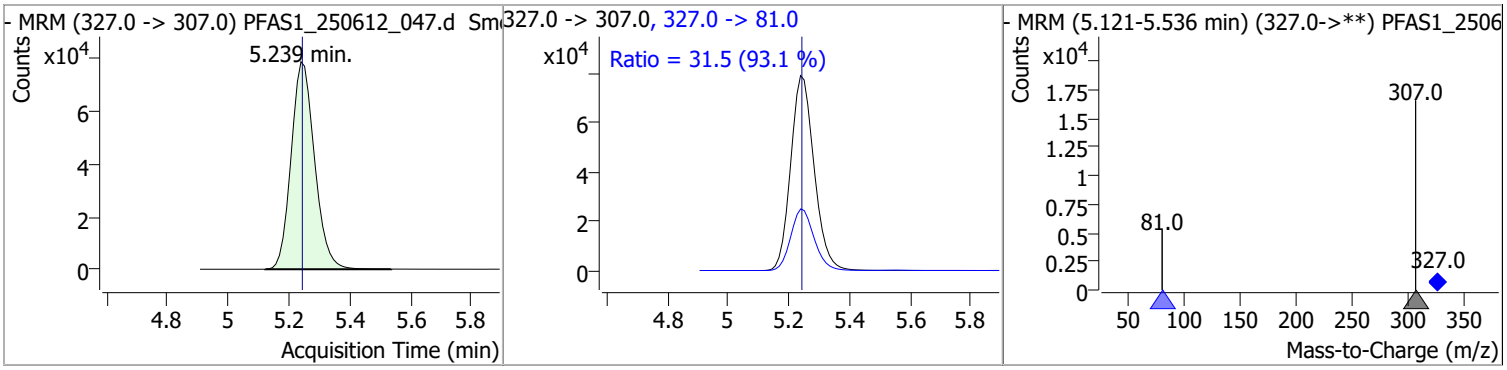
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	19.2582	4.91	0.00	704072				



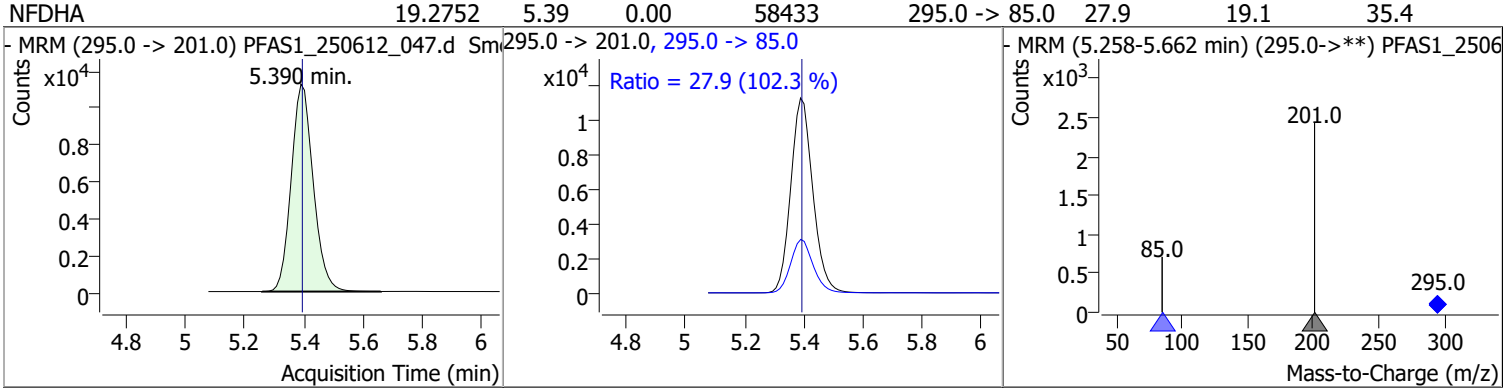
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.0246	5.24	0.00	17003	329.0 -> 309.0	440.1	292.1	542.4



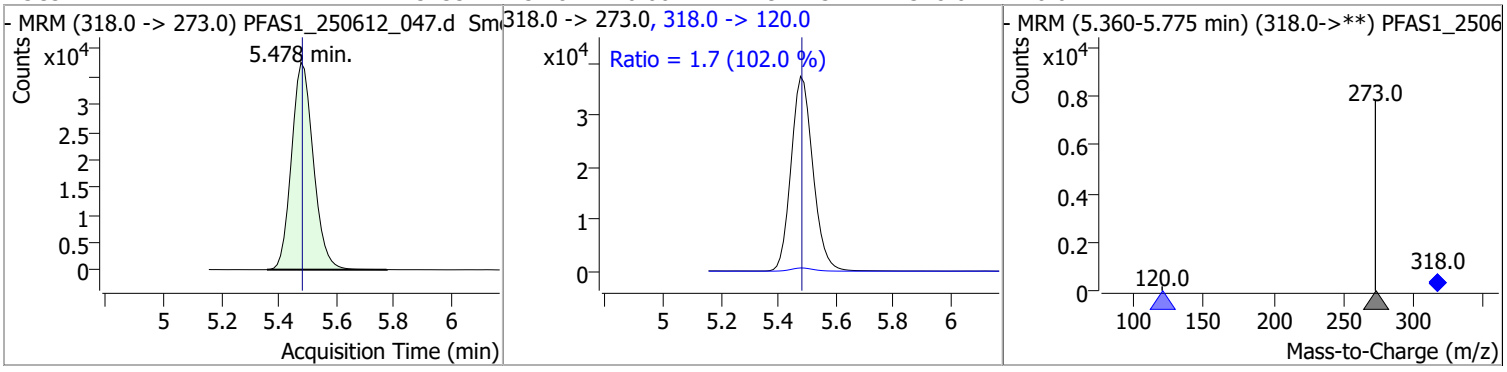
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	36.5358	5.24	0.00	423163	327.0 -> 81.0	31.5	23.6	43.9



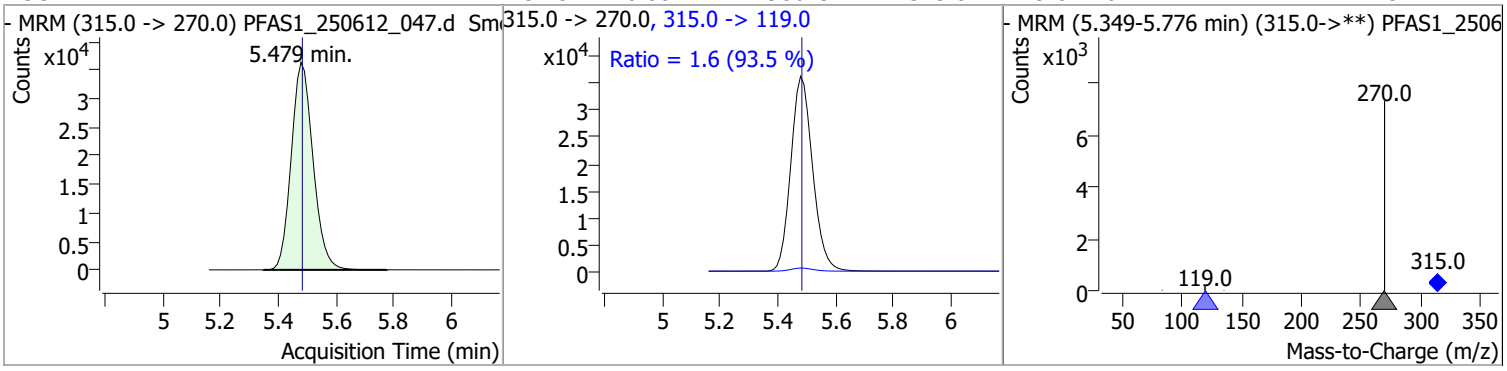
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	19.2752	5.39	0.00	58433	295.0 -> 85.0	27.9	19.1	35.4



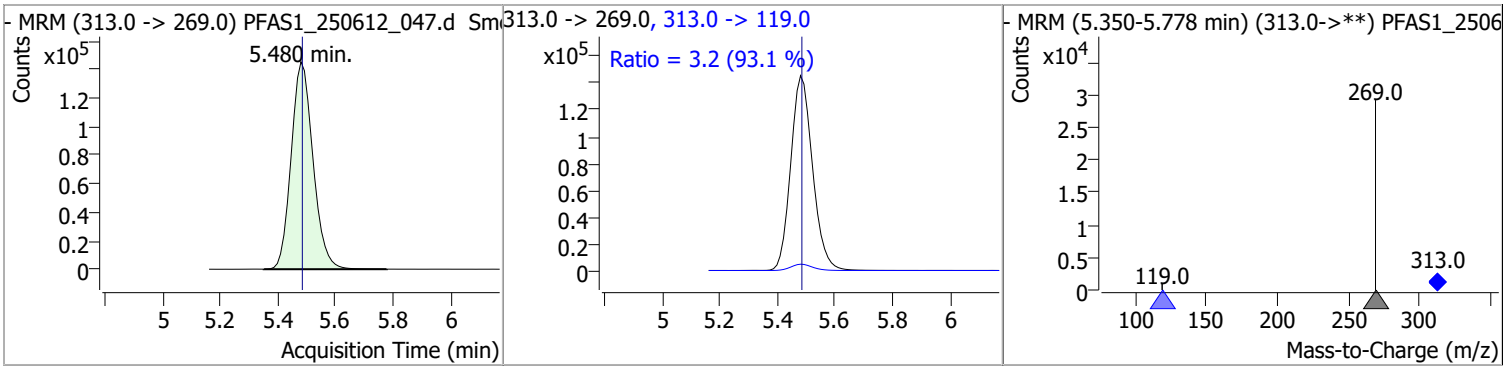
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5135	5.48	0.00	197425	318.0 -> 120.0	1.7	1.1	2.1



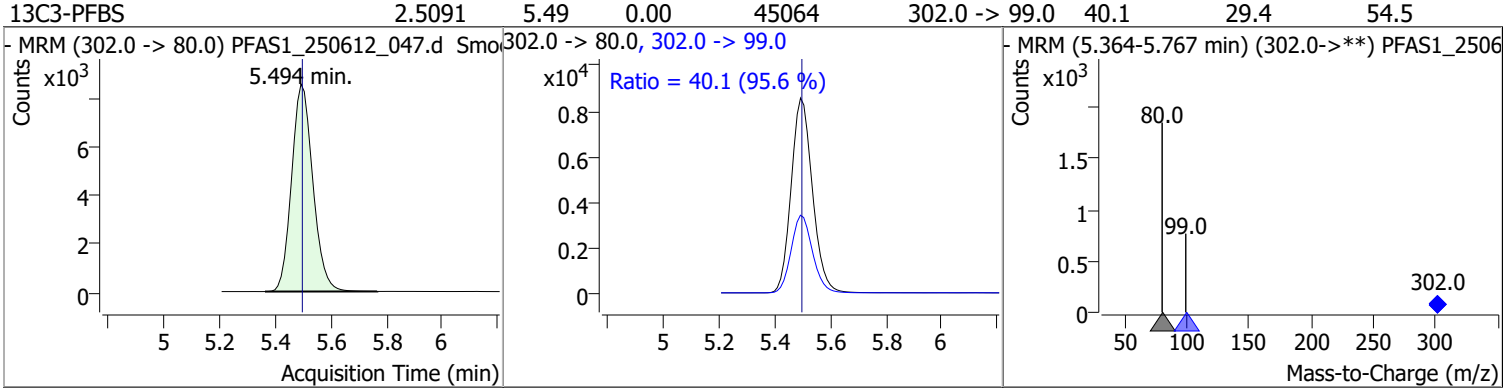
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	190649	315.0 -> 119.0	1.6	1.2	2.3



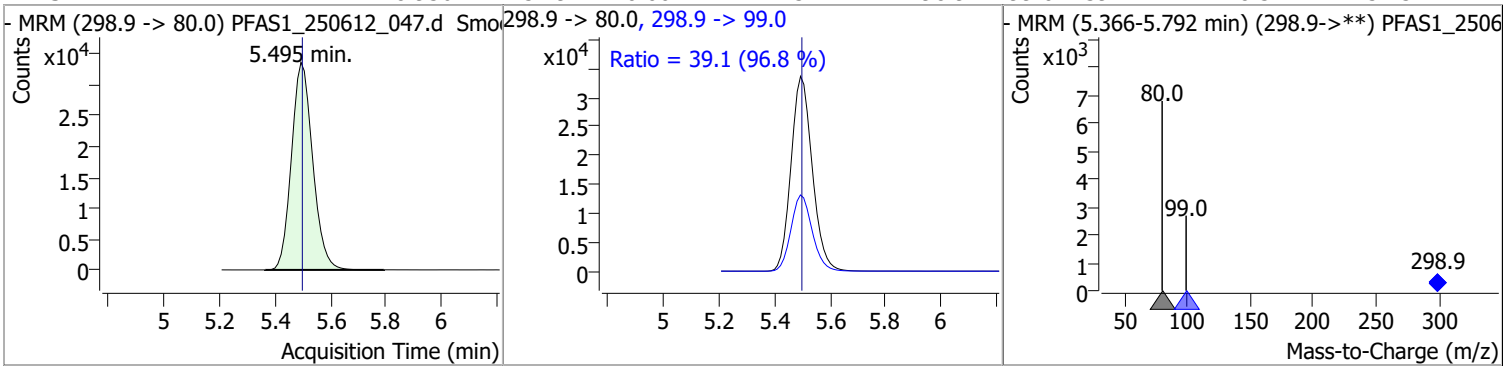
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	9.5997	5.48	0.00	765205	313.0 -> 119.0	3.2	2.4	4.5



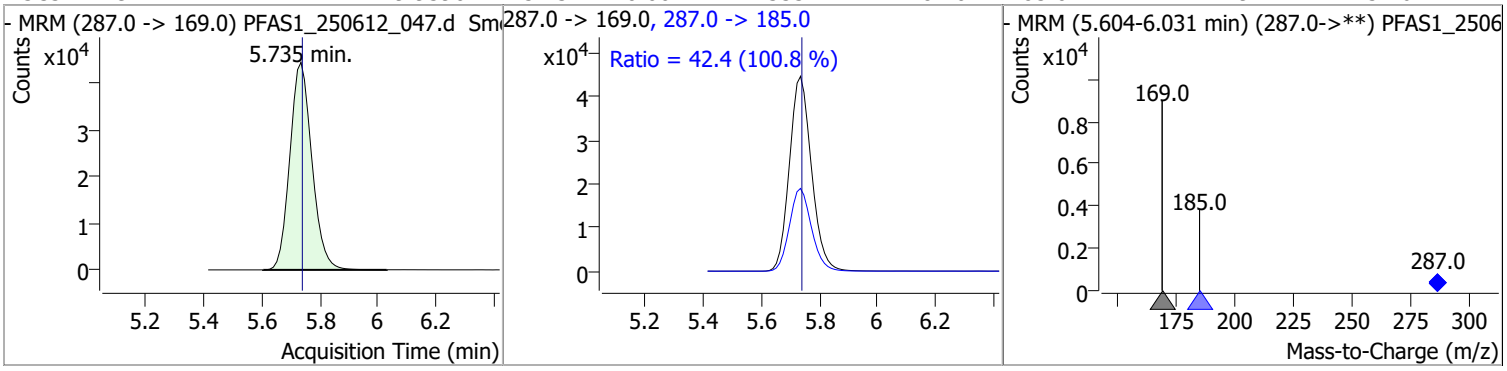
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.5091	5.49	0.00	45064	302.0 -> 99.0	40.1	29.4	54.5



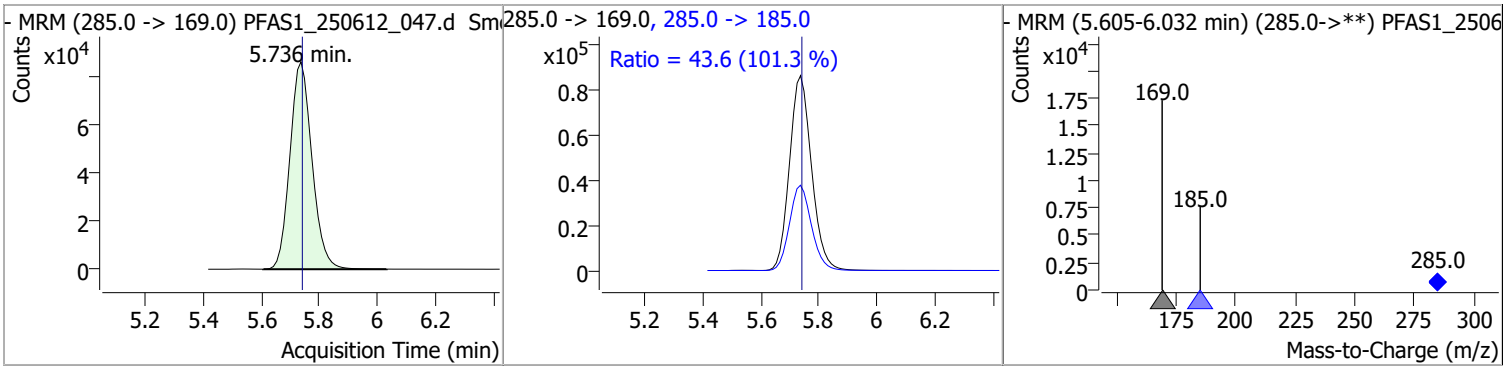
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	8.9362	5.49	0.00	177511	298.9 -> 99.0	39.1	28.3	52.5



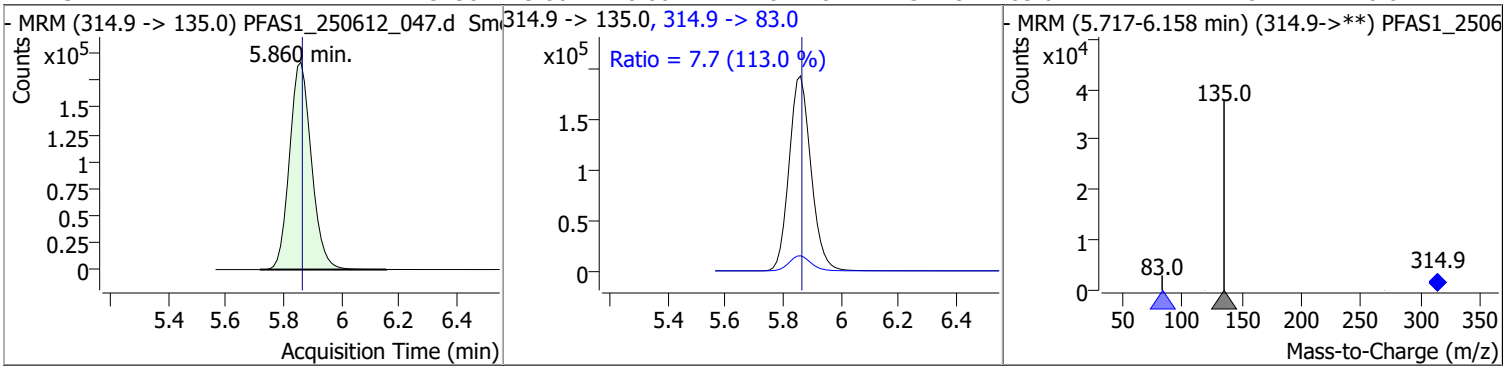
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.9390	5.73	0.00	235374	287.0 -> 185.0	42.4	29.4	54.6



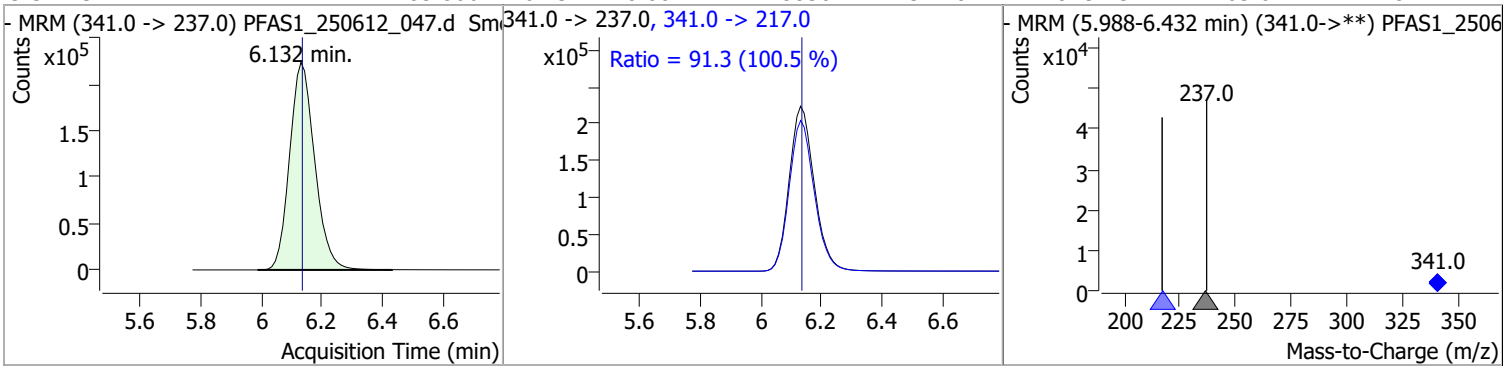
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	19.2381	5.74	0.00	456197	285.0 -> 185.0	43.6	30.1	56.0



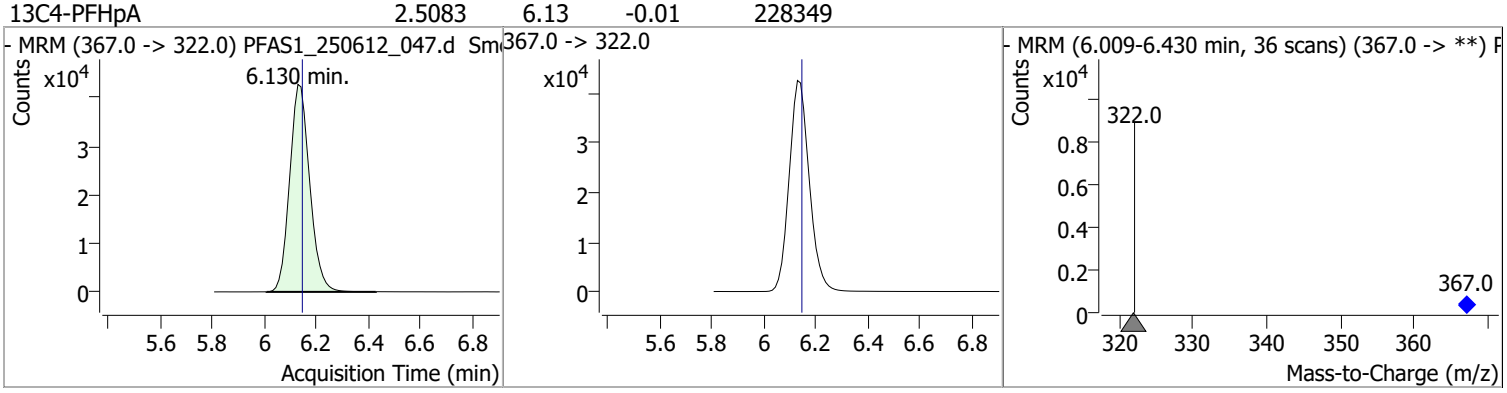
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	17.3458	5.86	0.00	1014481	314.9 -> 83.0	7.7	4.8	8.8



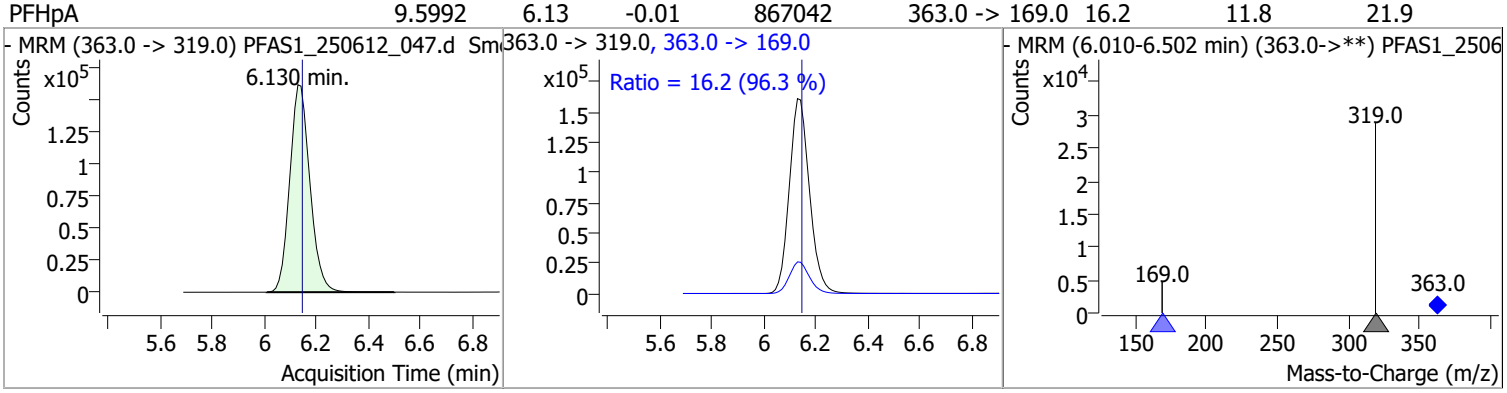
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	185.8664	6.13	0.00	1288307	341.0 -> 217.0	91.3	63.6	118.1



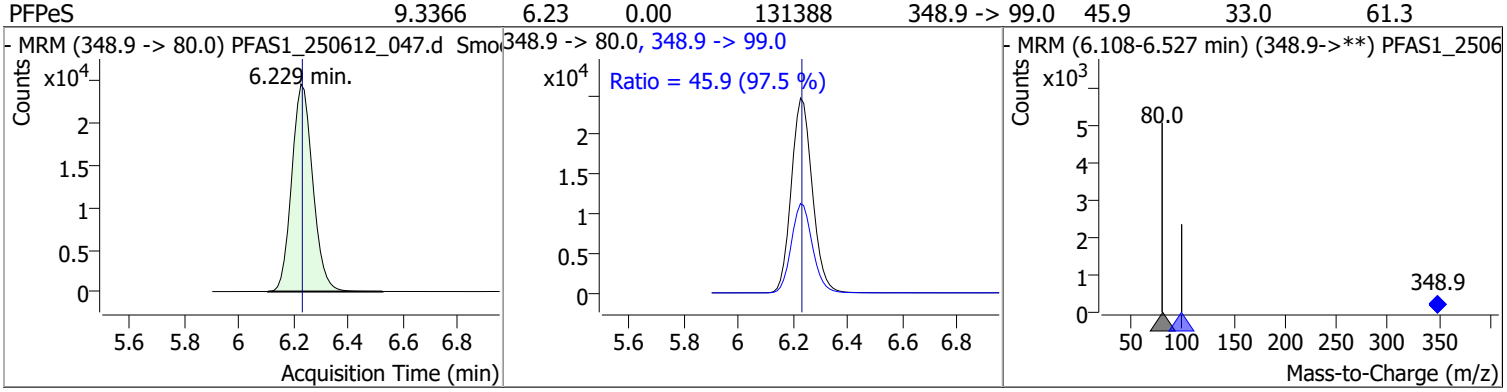
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5083	6.13	-0.01	228349				



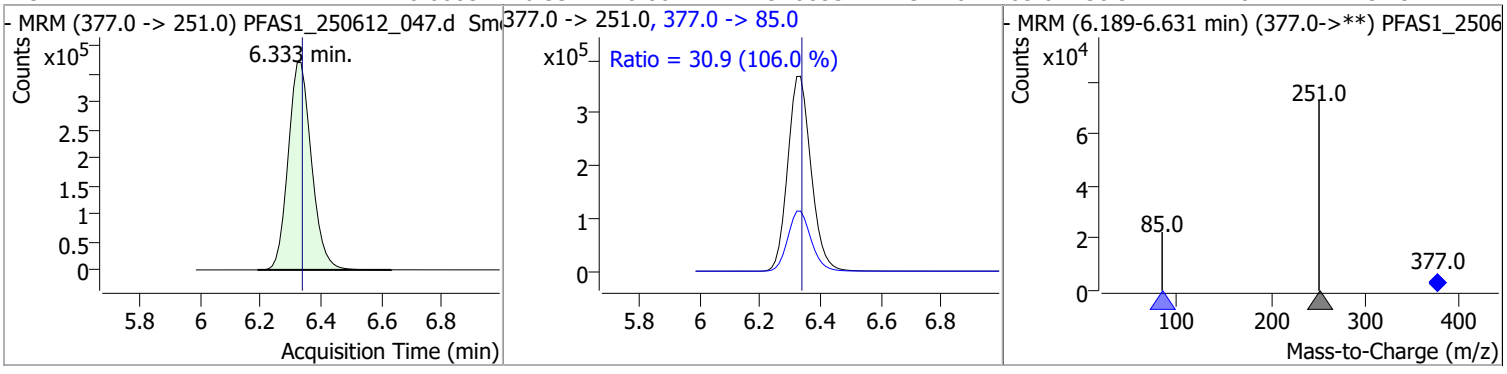
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	9.5992	6.13	-0.01	867042	363.0 -> 169.0	16.2	11.8	21.9



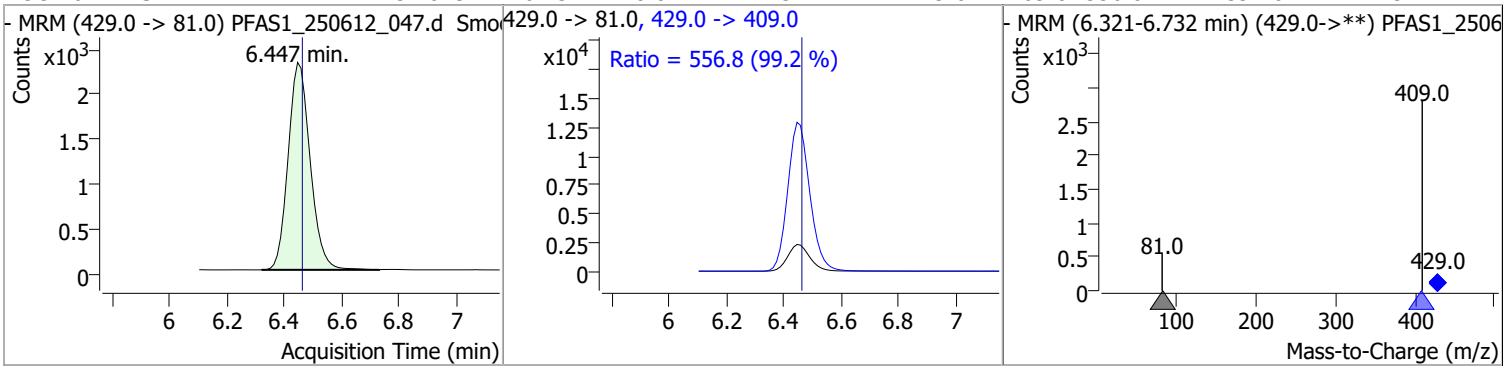
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	9.3366	6.23	0.00	131388	348.9 -> 99.0	45.9	33.0	61.3



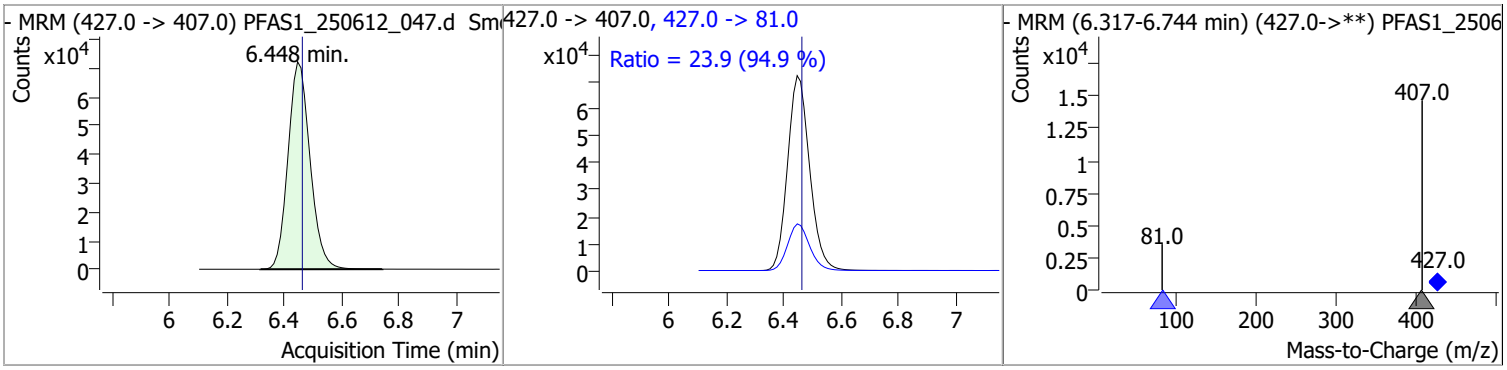
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	18.0805	6.33	0.00	1978835	377.0 -> 85.0	30.9	20.4	37.9



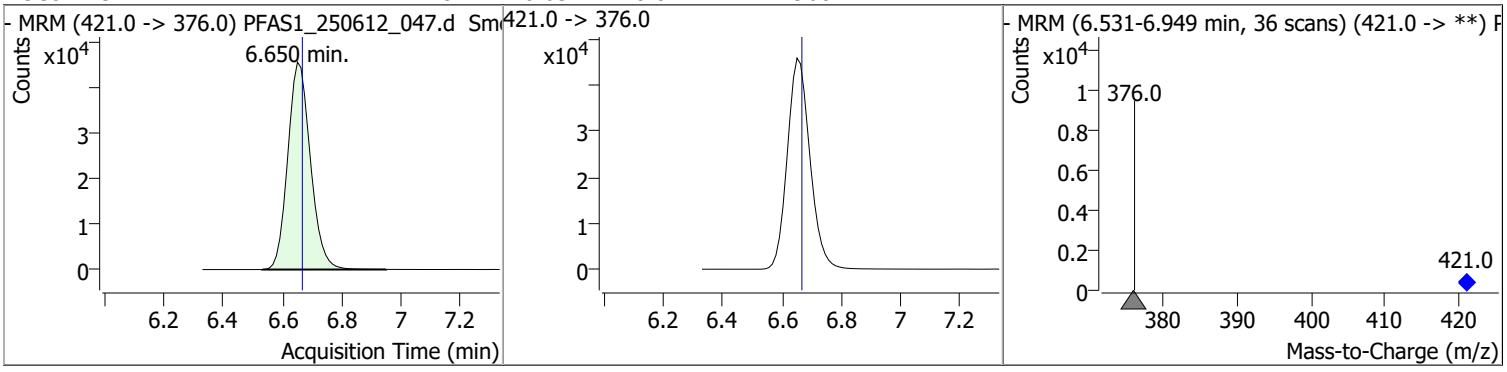
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.2045	6.45	-0.01	12342	429.0 -> 409.0	556.8	392.8	729.4



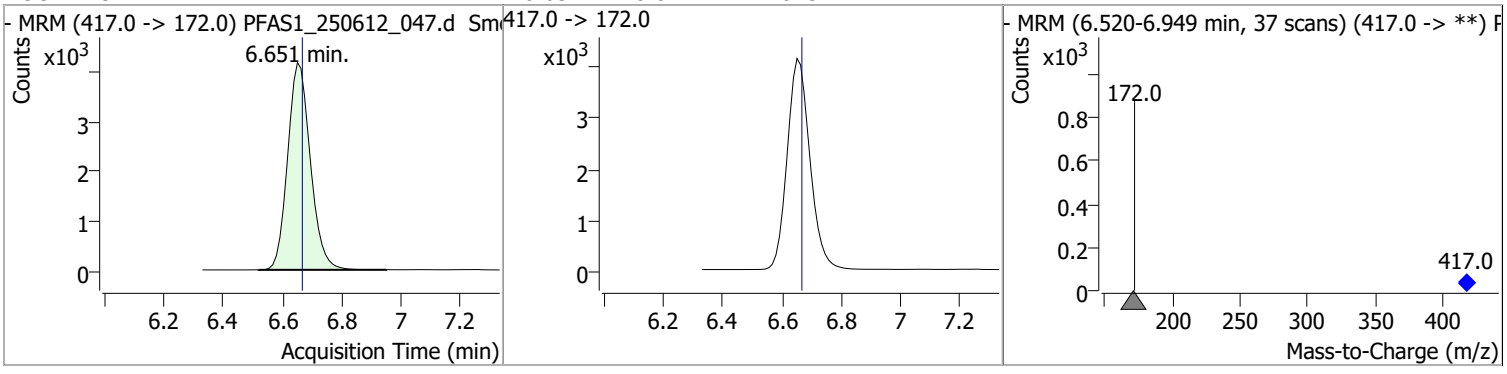
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	36.9341	6.45	-0.01	385248	427.0 -> 81.0	23.9	17.7	32.8



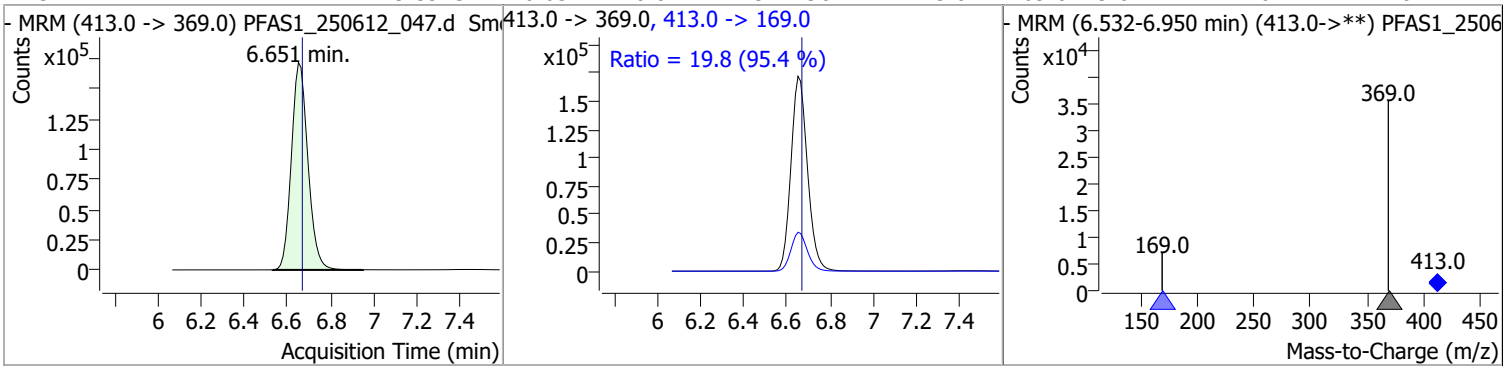
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.4701	6.65	-0.01	241960				



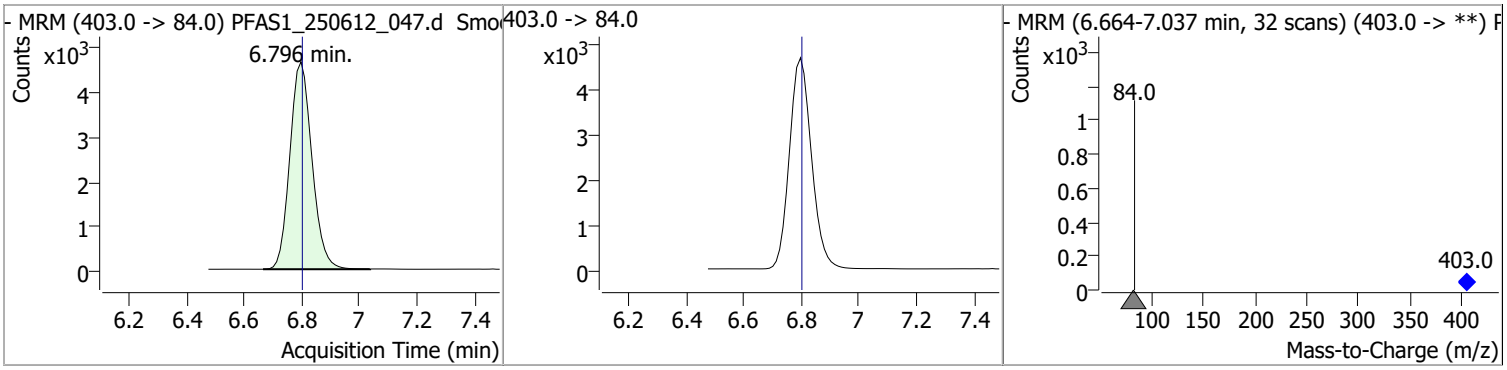
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.65	-0.01	21875				



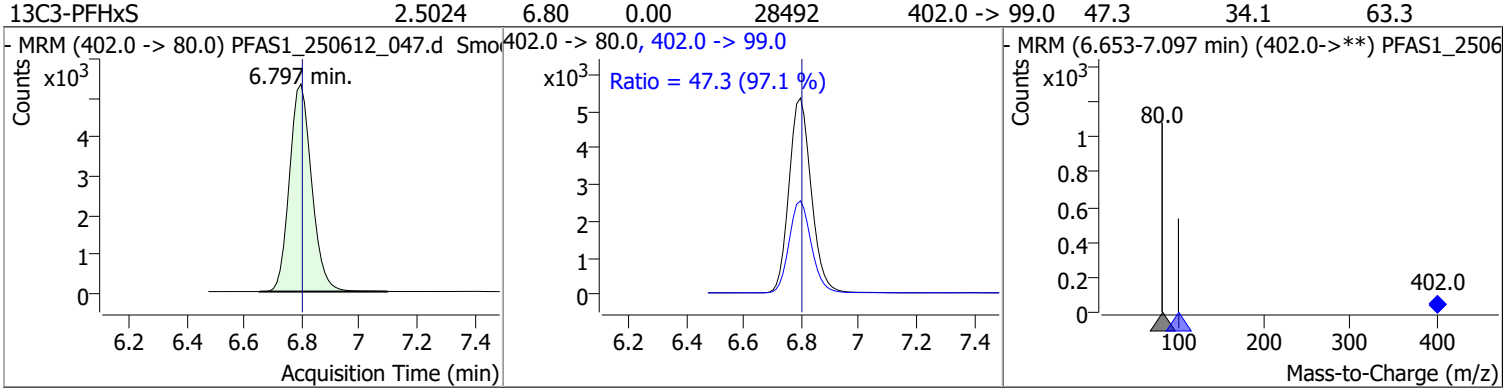
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	9.5943	6.65	-0.01	912190	413.0 -> 169.0	19.8	14.6	27.0



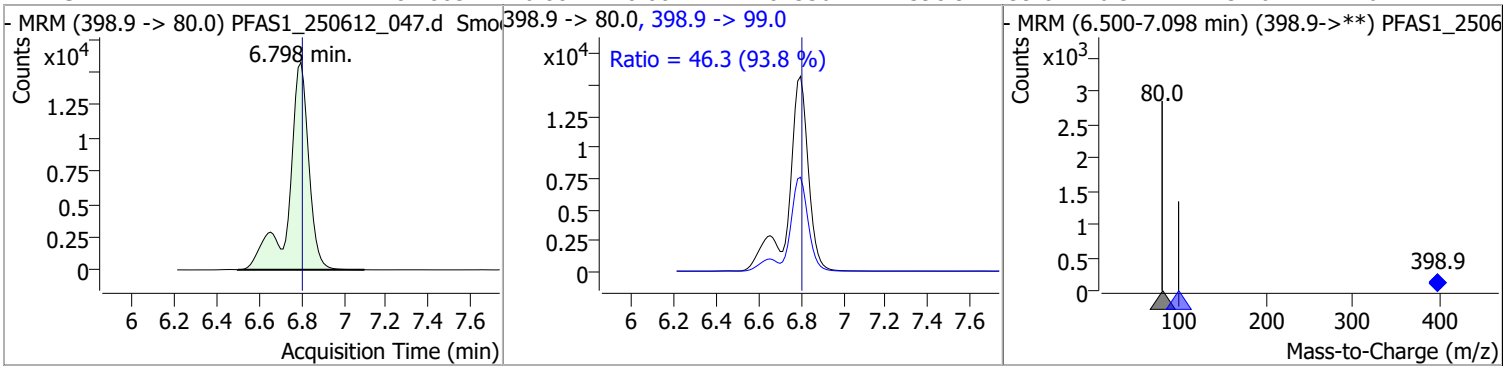
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	24803				



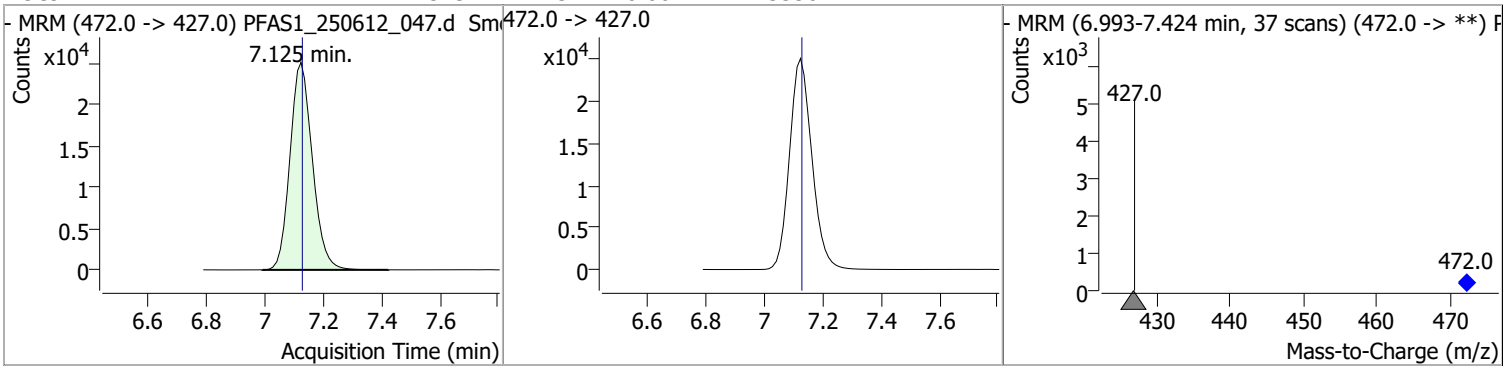
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.5024	6.80	0.00	28492	402.0 -> 99.0	47.3	34.1	63.3



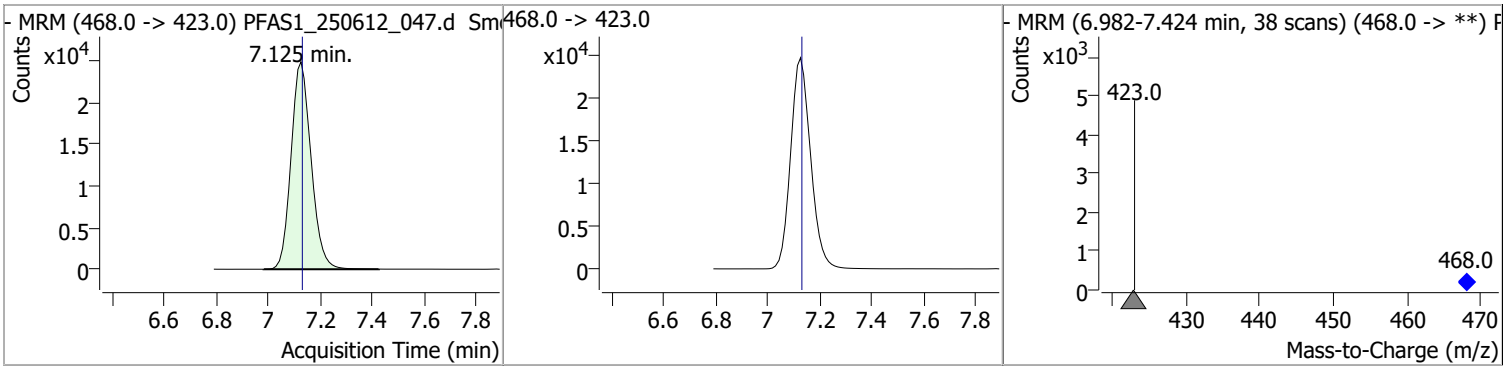
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	8.7803	6.80	0.00	102556	398.9 -> 99.0	46.3	34.6	64.2



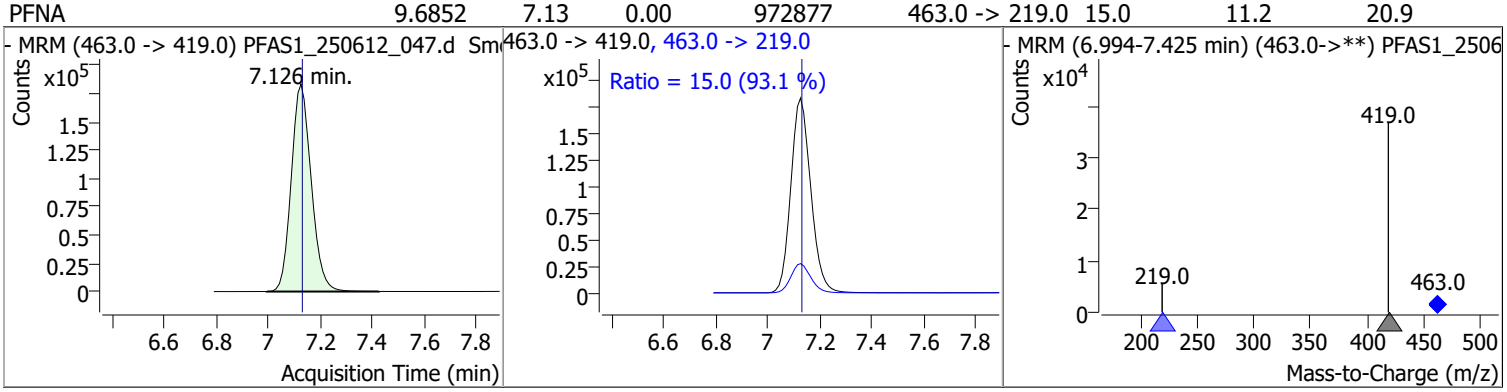
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2323	7.13	0.00	133381				



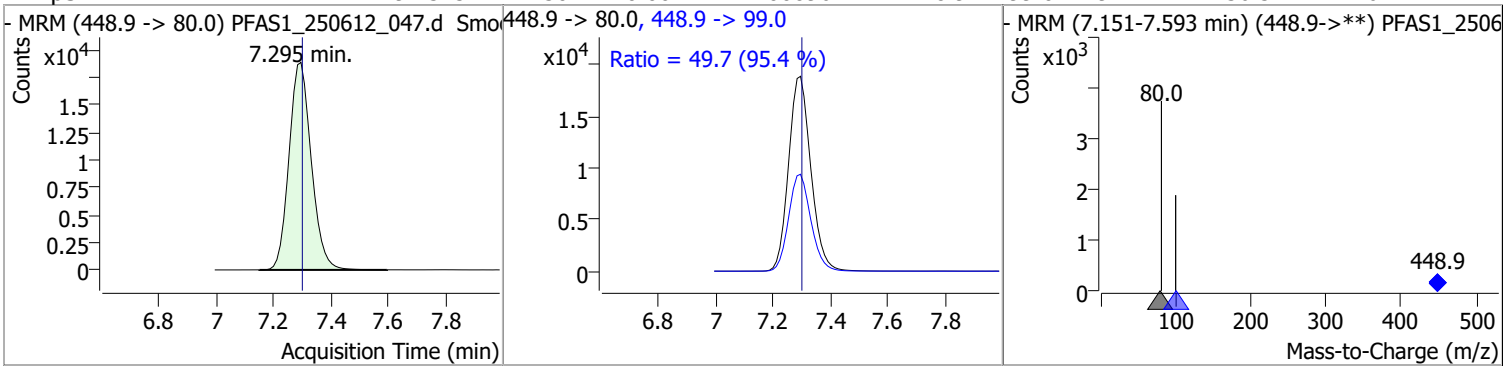
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	131998				



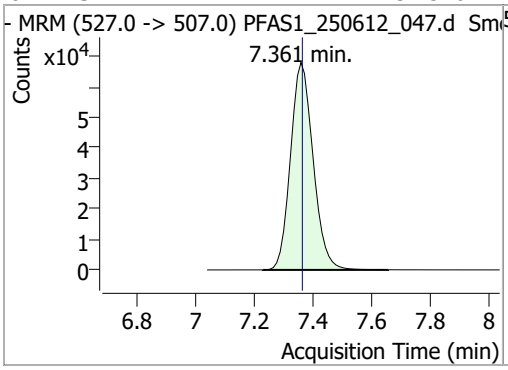
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	9.6852	7.13	0.00	972877	463.0 -> 219.0	15.0	11.2	20.9

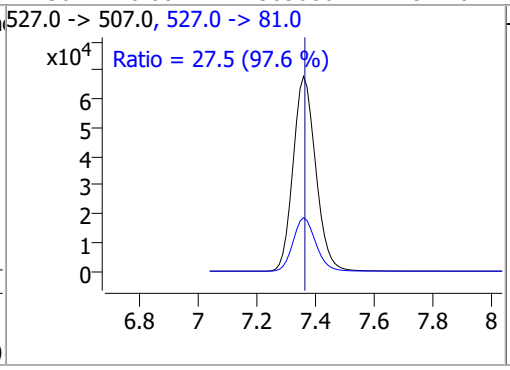


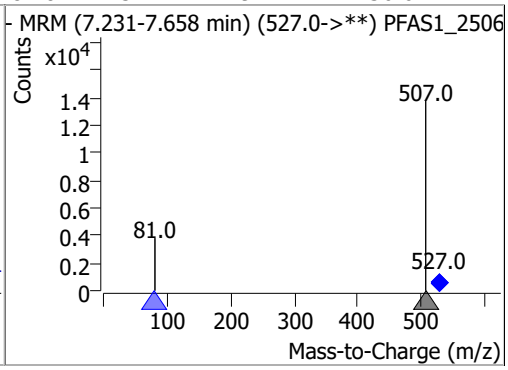
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	9.2315	7.30	0.00	100896	448.9 -> 99.0	49.7	36.5	67.7



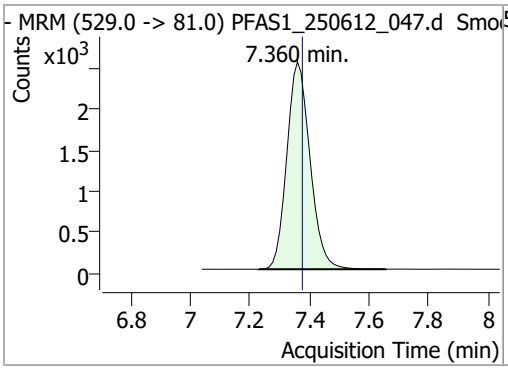
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	37.3464	7.36	0.00	363606	527.0 -> 81.0	27.5	19.7	36.6

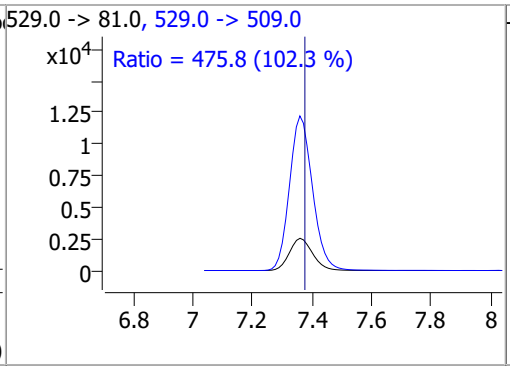


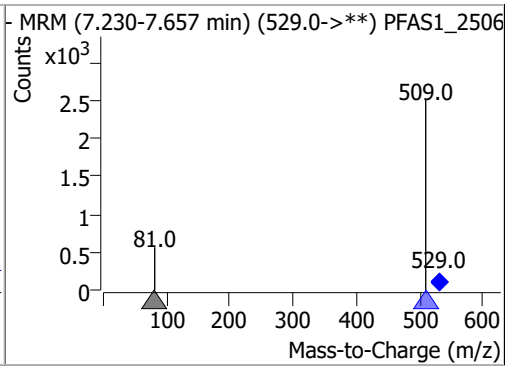




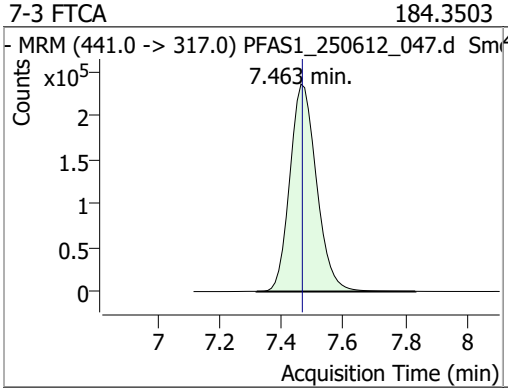
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.2783	7.36	-0.01	13705	529.0 -> 509.0	475.8	325.6	604.6

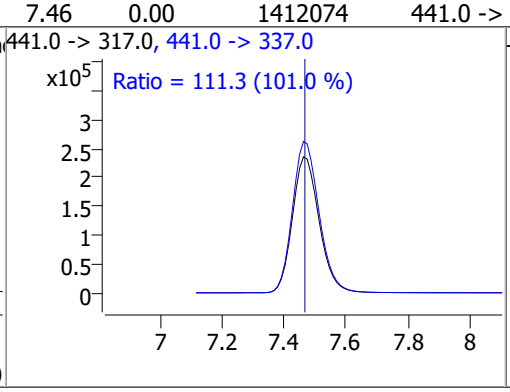


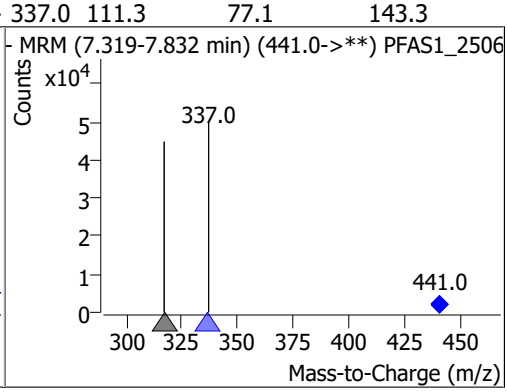




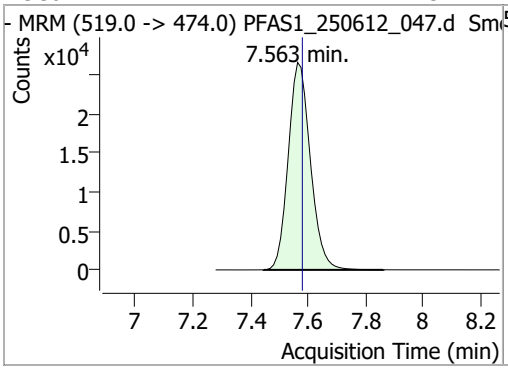
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	184.3503	7.46	0.00	1412074	441.0 -> 337.0	111.3	77.1	143.3

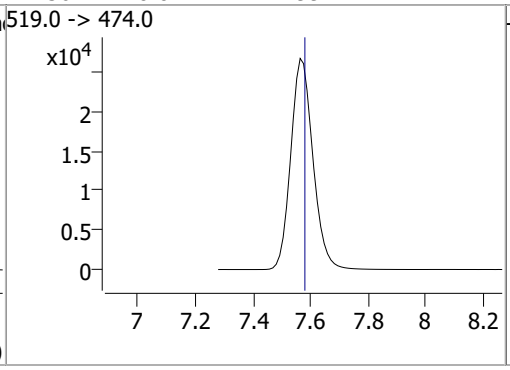


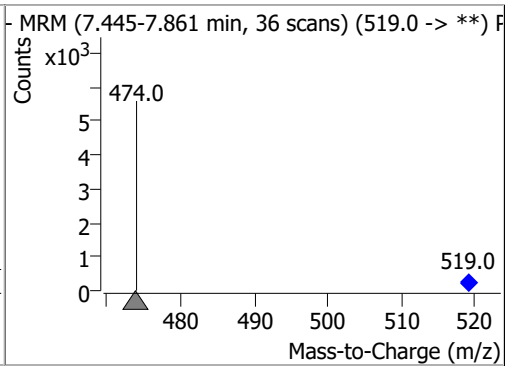




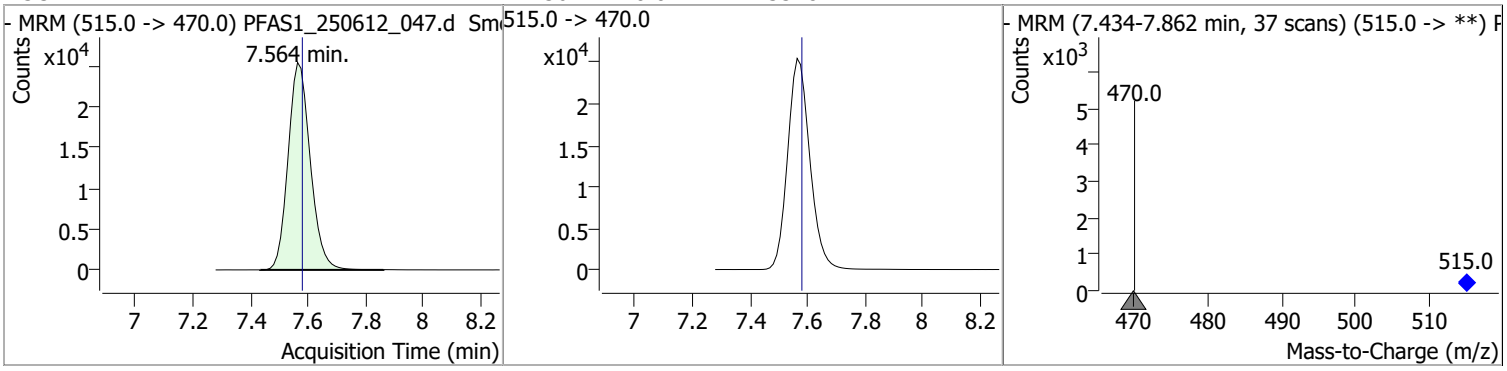
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2314	7.56	-0.01	141991				



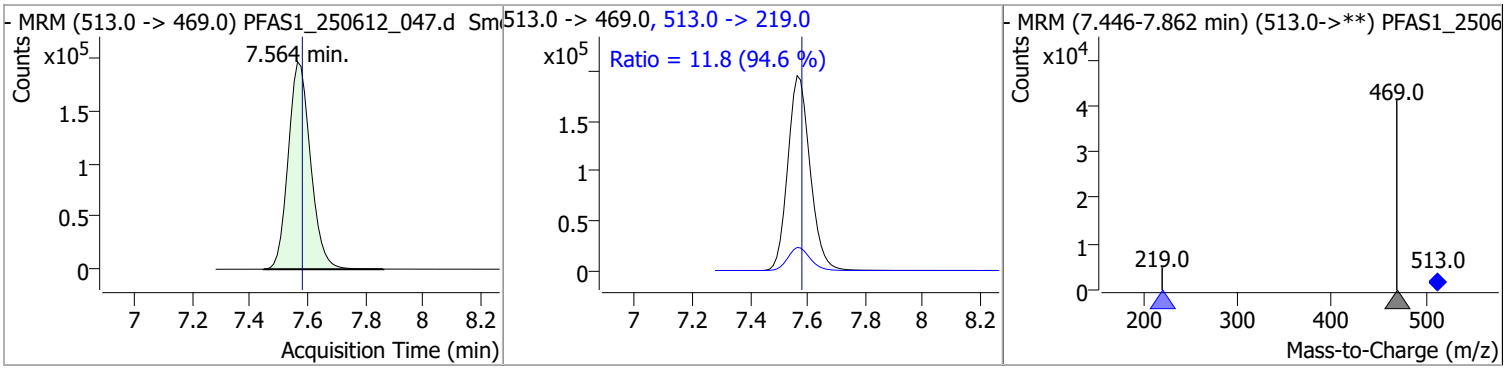




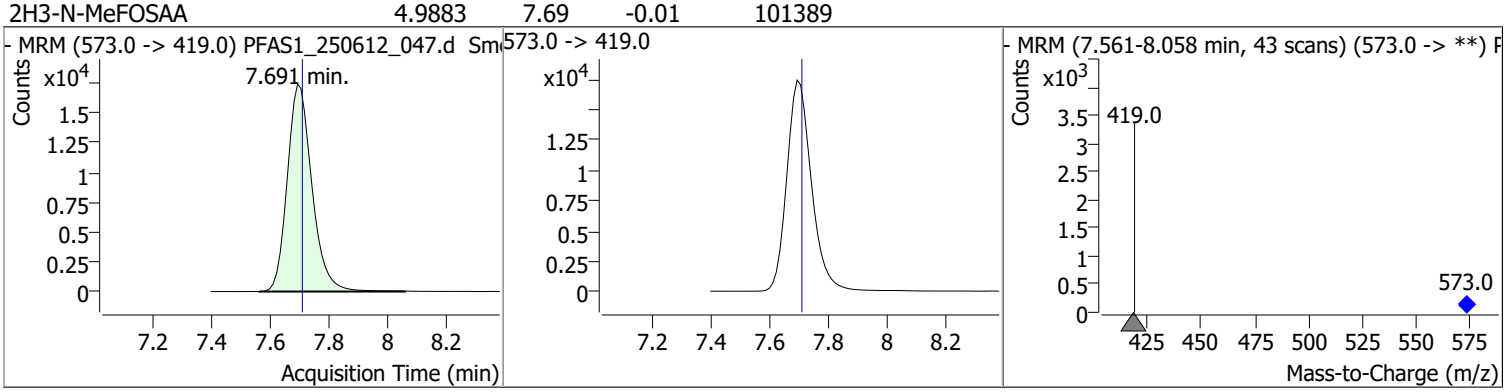
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.56	-0.01	135782				



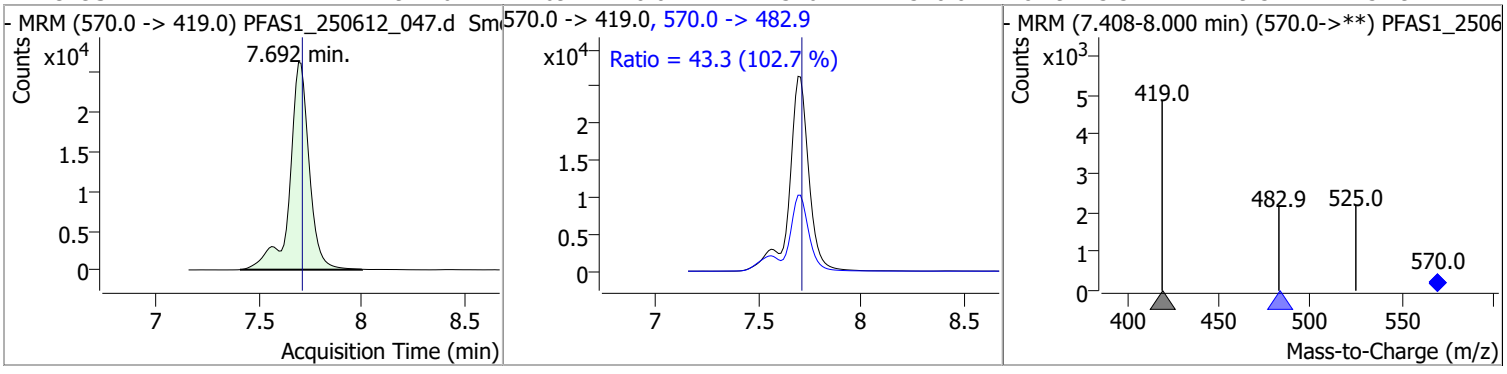
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	9.6826	7.56	-0.01	1052519	513.0 -> 219.0	11.8	8.7	16.2



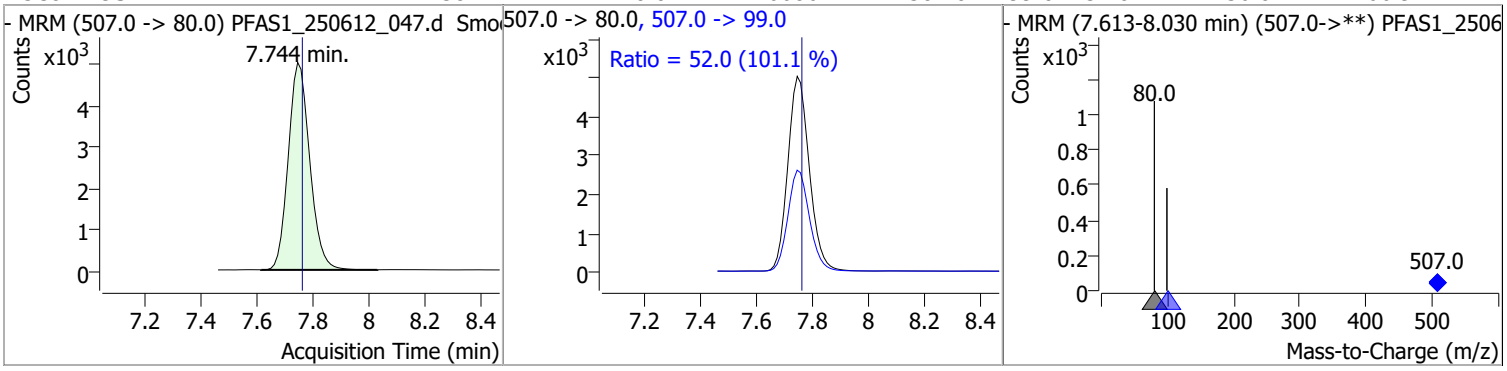
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9883	7.69	-0.01	101389				



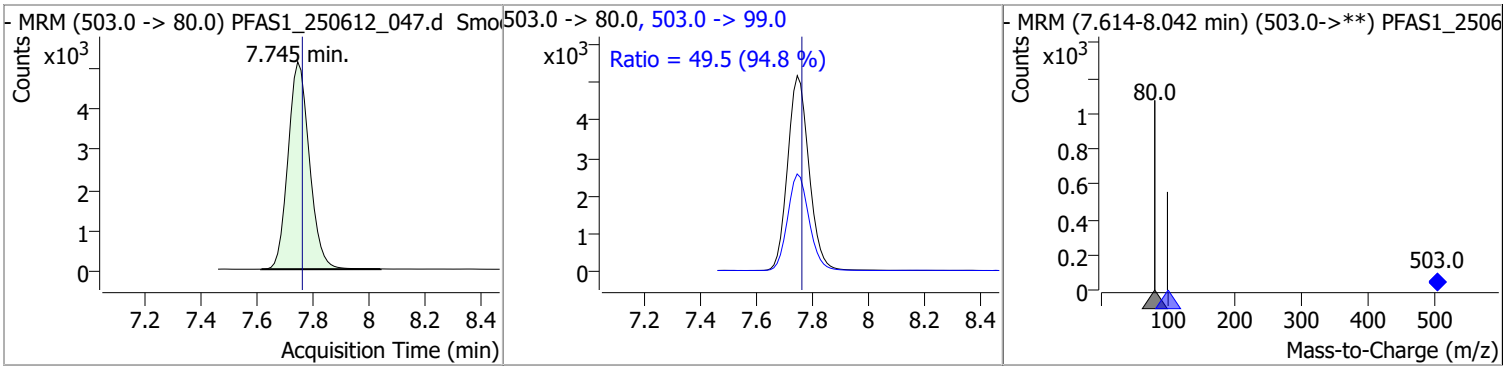
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	9.7164	7.69	-0.01	173462	570.0 -> 482.9	43.3	29.5	54.9



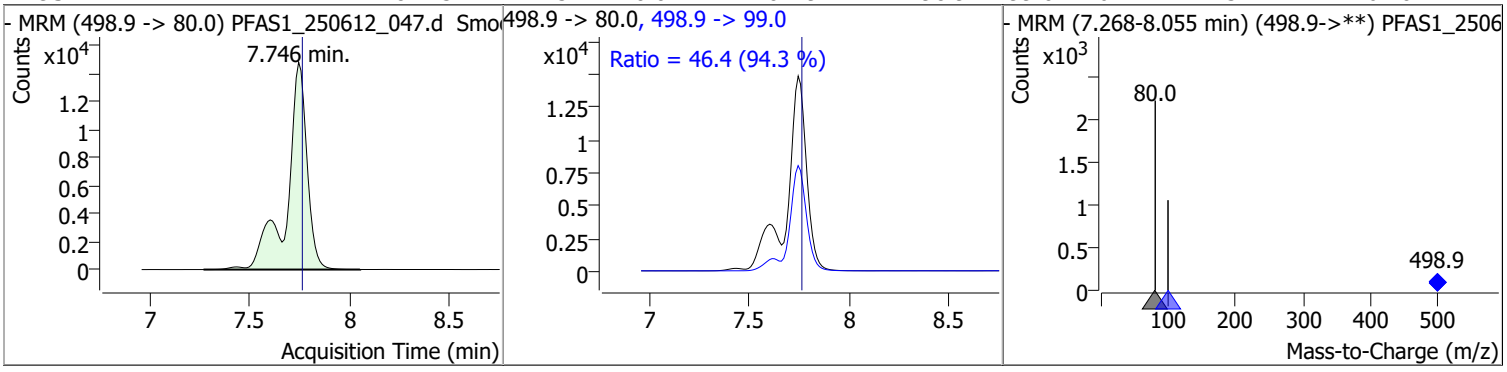
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.4738	7.74	-0.01	26686	507.0 -> 99.0	52.0	36.0	66.9



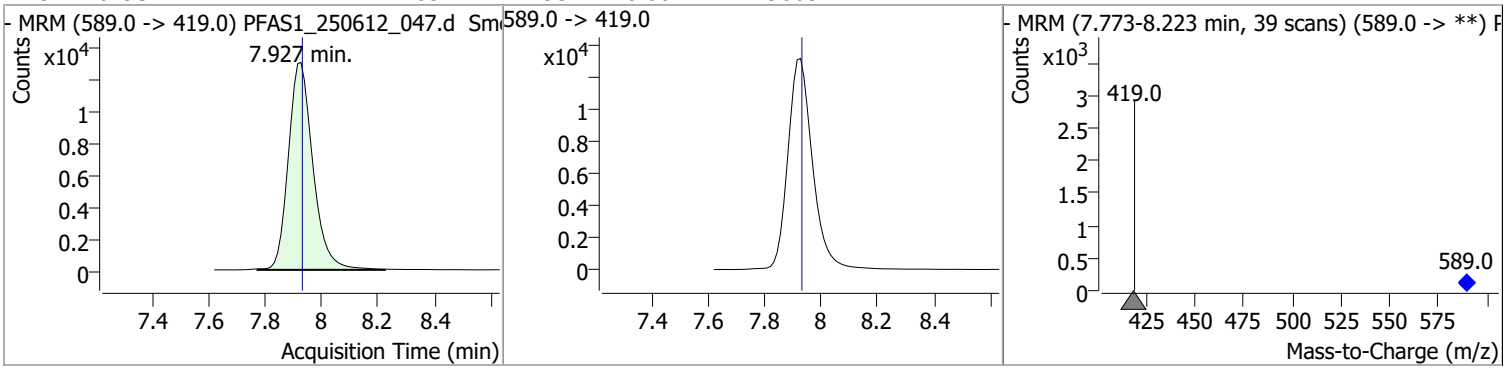
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.74	-0.01	27222	503.0 -> 99.0	49.5	36.6	67.9



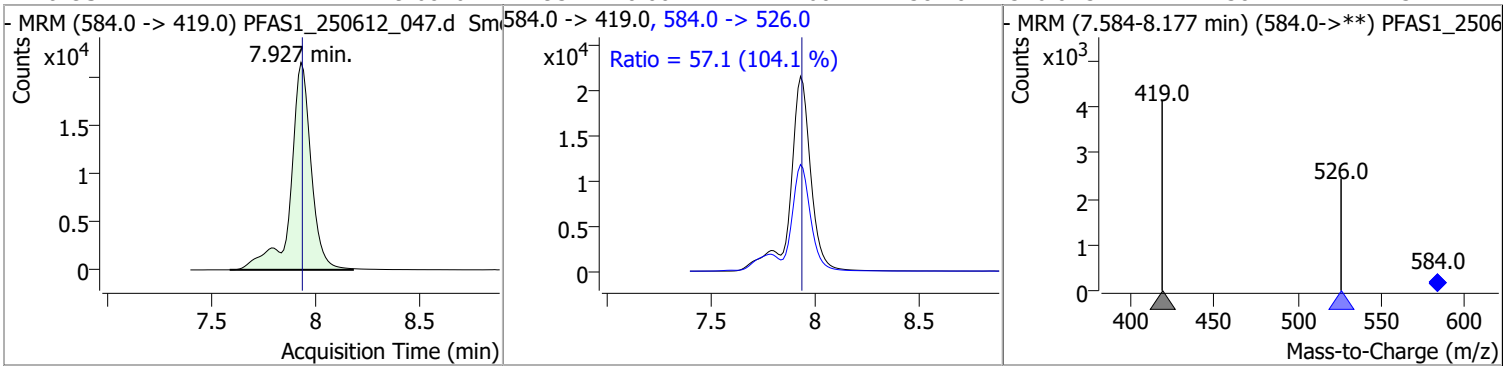
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	8.7231	7.75	-0.01	104197	498.9 -> 99.0	46.4	34.4	64.0



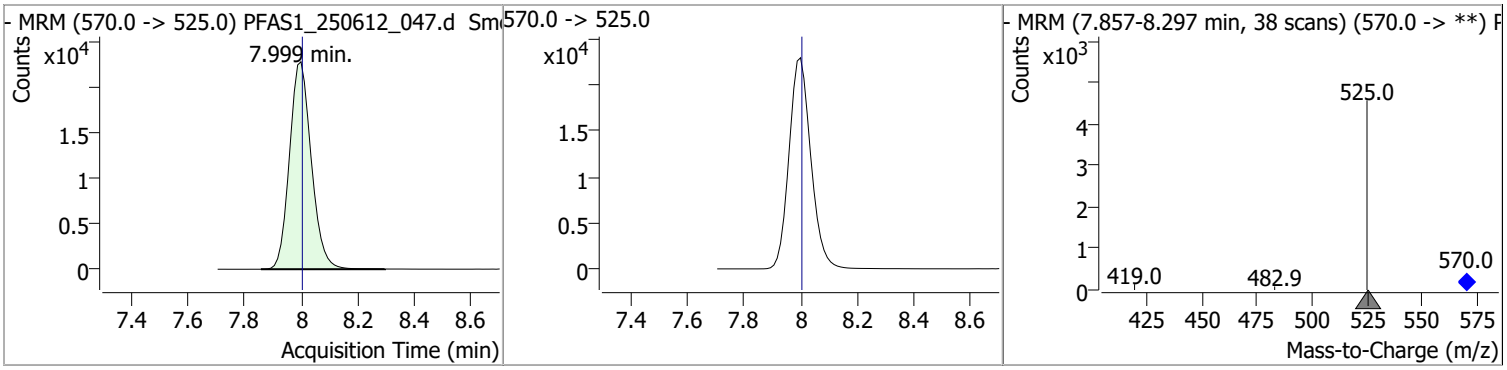
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.8544	7.93	0.00	79065				



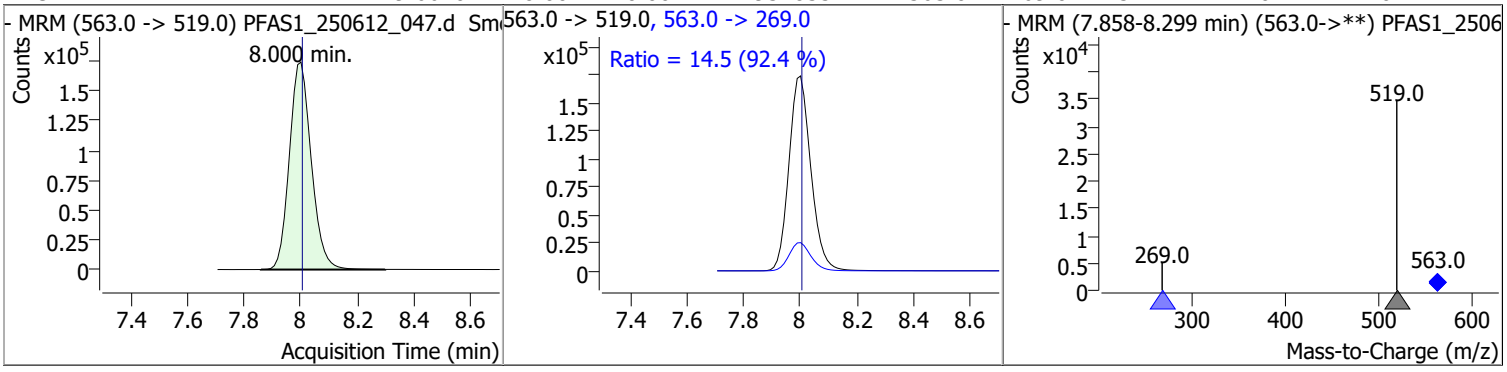
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	9.6826	7.93	0.00	147760	584.0 -> 526.0	57.1	38.4	71.3



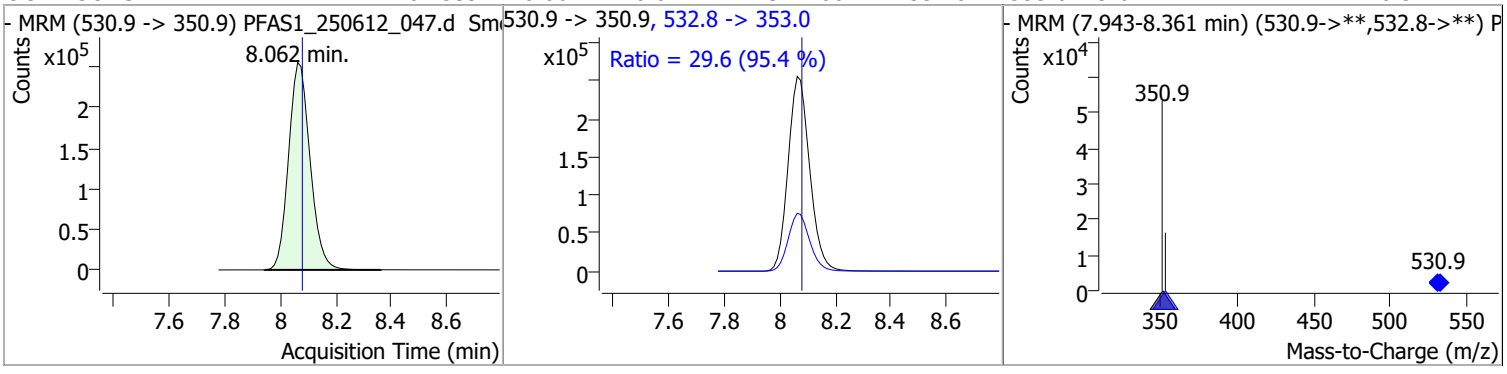
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2240	8.00	0.00	122547				



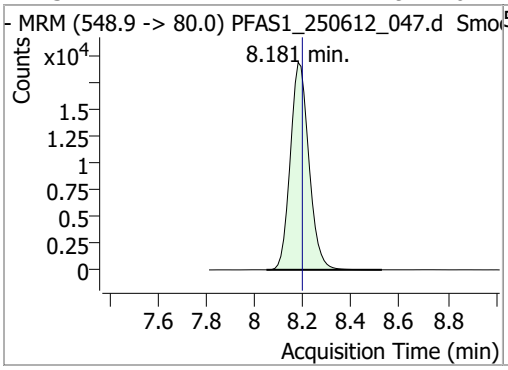
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	9.6670	8.00	0.00	937835	563.0 -> 269.0	14.5	11.0	20.4

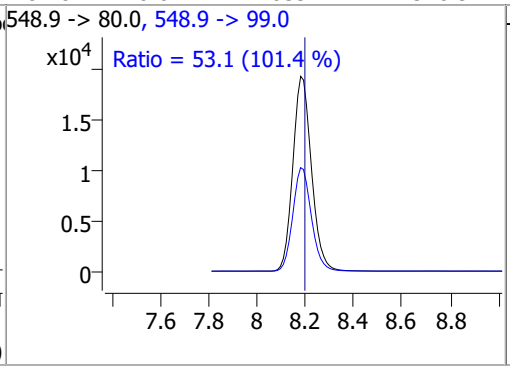


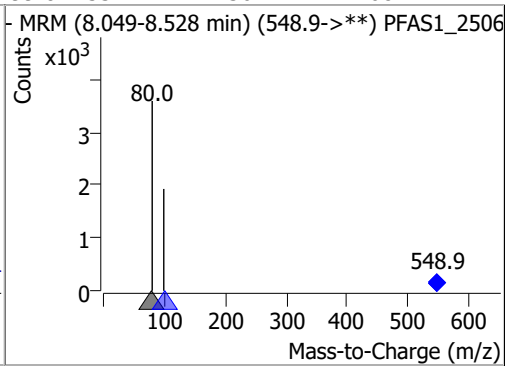
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	18.1339	8.06	-0.01	1377400	532.8 -> 353.0	29.6	21.7	40.3



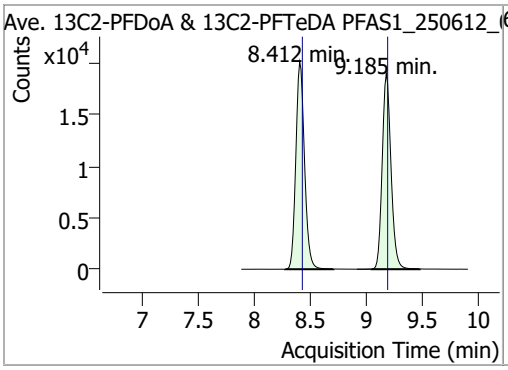
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	9.2470	8.18	-0.01	103972	548.9 -> 99.0	53.1	36.7	68.1

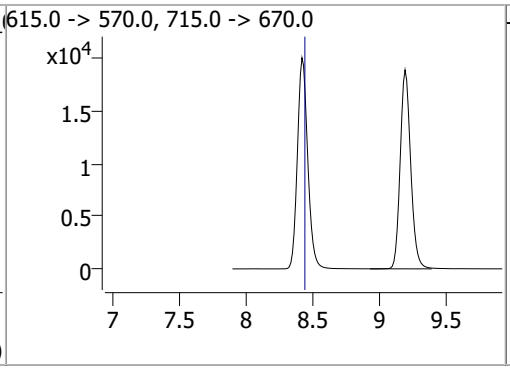


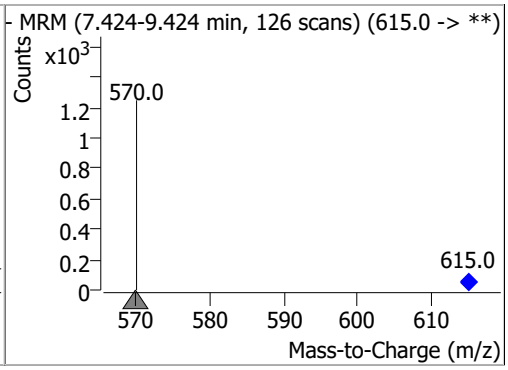




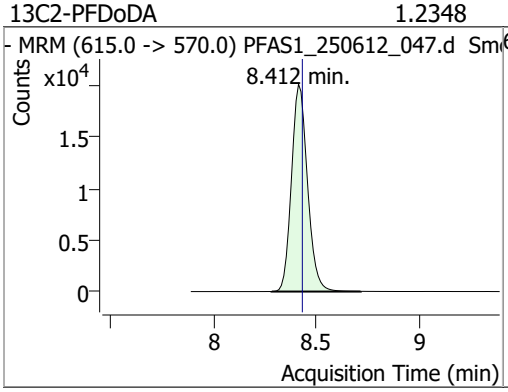
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2255	8.80	0.37	105407				

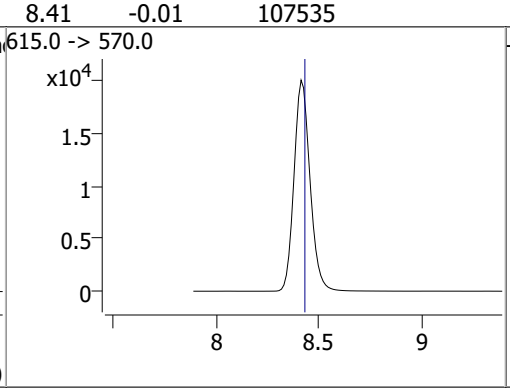


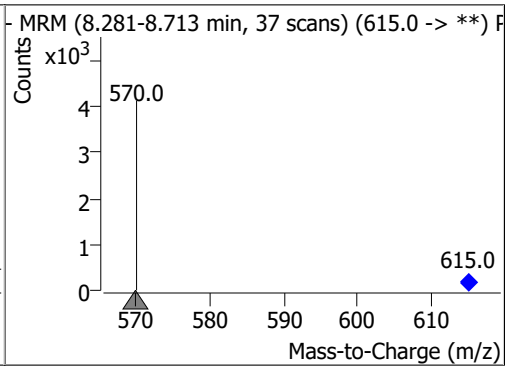




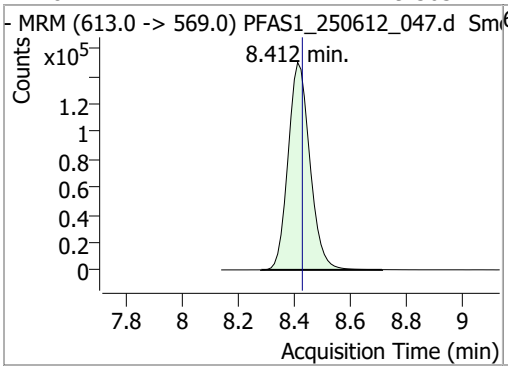
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2348	8.41	-0.01	107535				

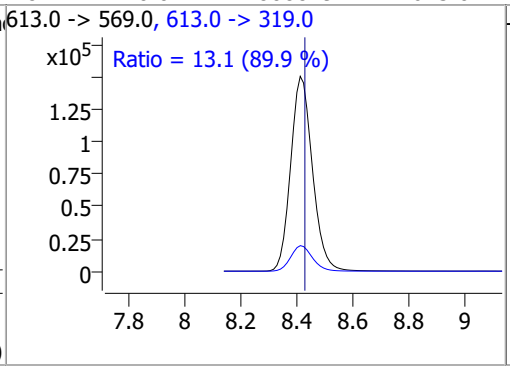


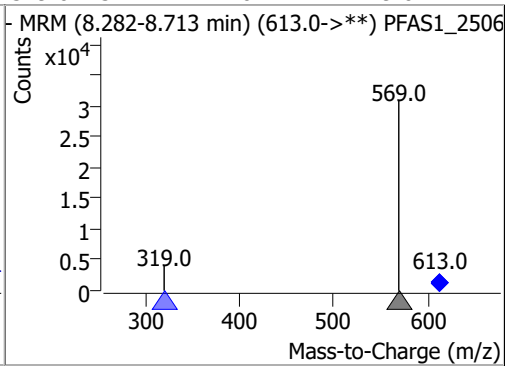




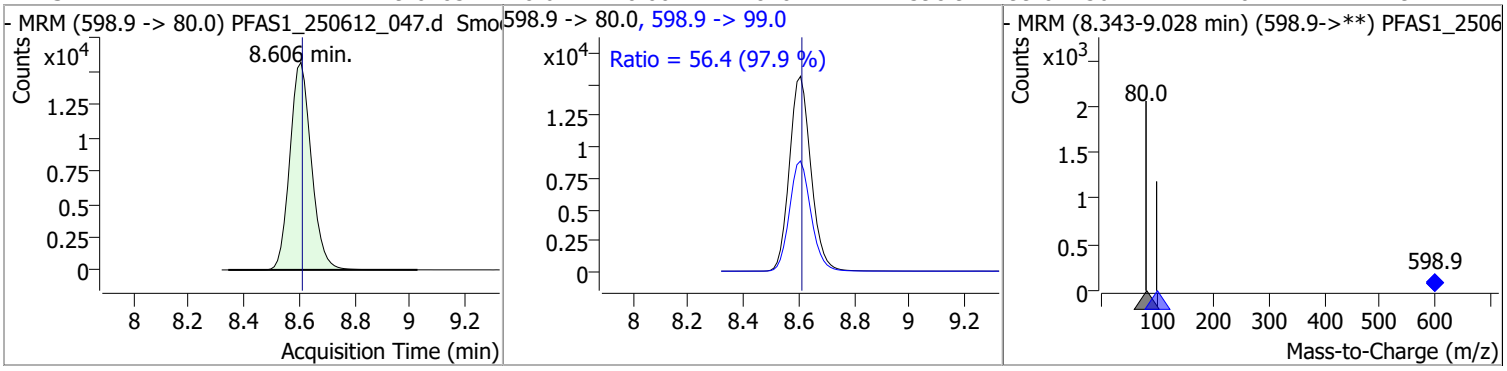
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	9.5634	8.41	-0.01	808829	613.0 -> 319.0	13.1	10.2	19.0



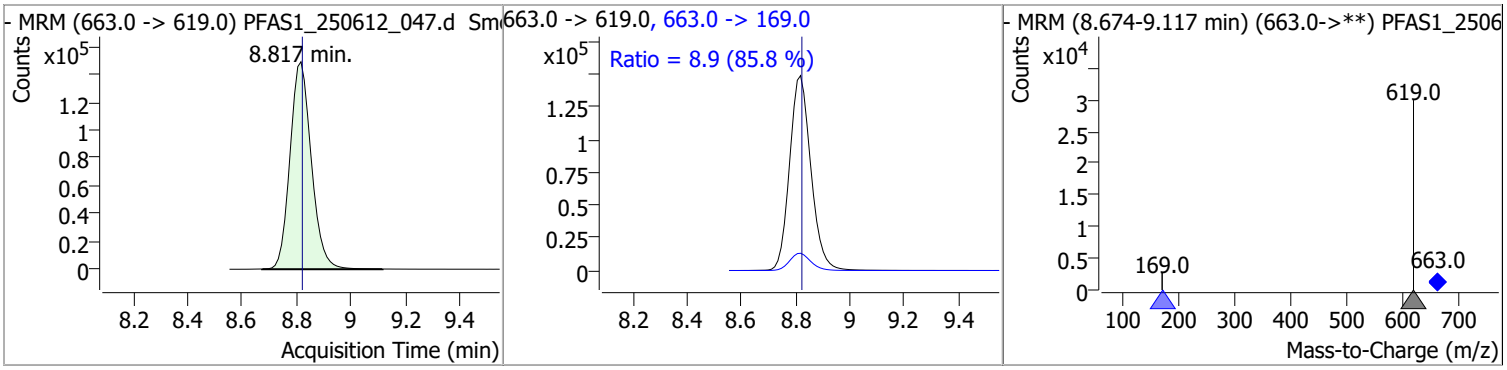




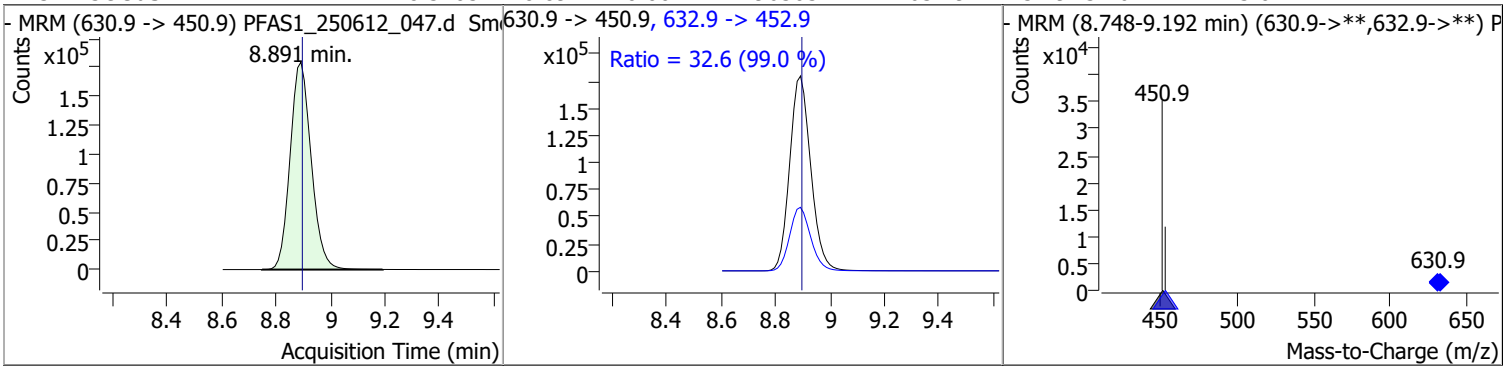
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	9.0783	8.61	0.00	84017	598.9 -> 99.0	56.4	40.4	74.9



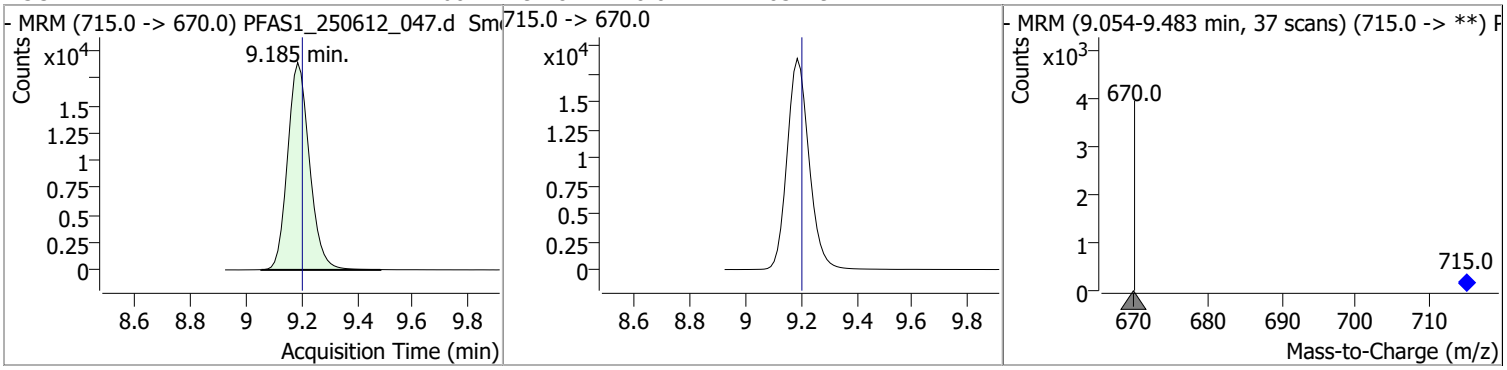
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	9.6901	8.82	0.00	810715	663.0 -> 169.0	8.9	7.2	13.4



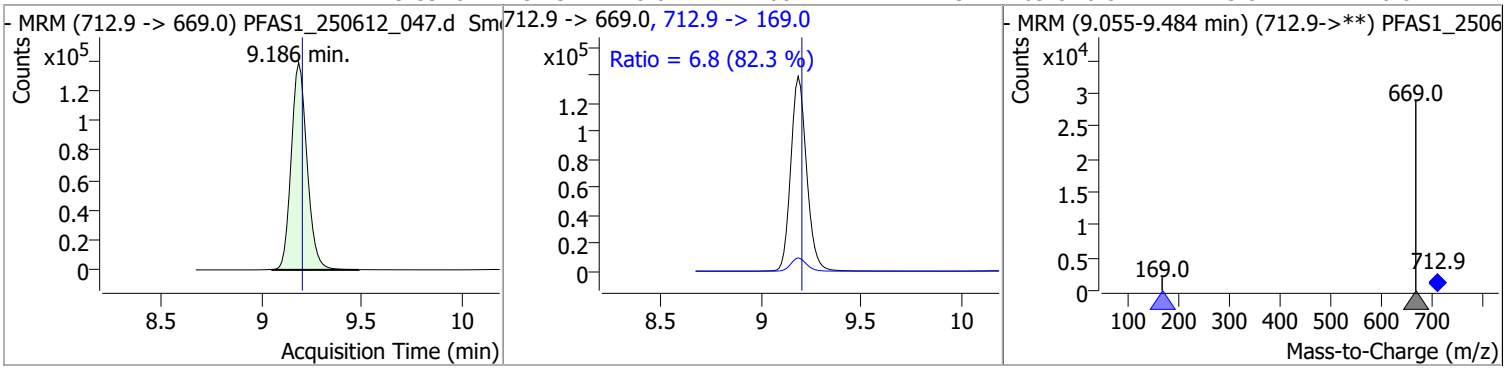
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	18.3405	8.89	0.00	965034	632.9 -> 452.9	32.6	23.0	42.7



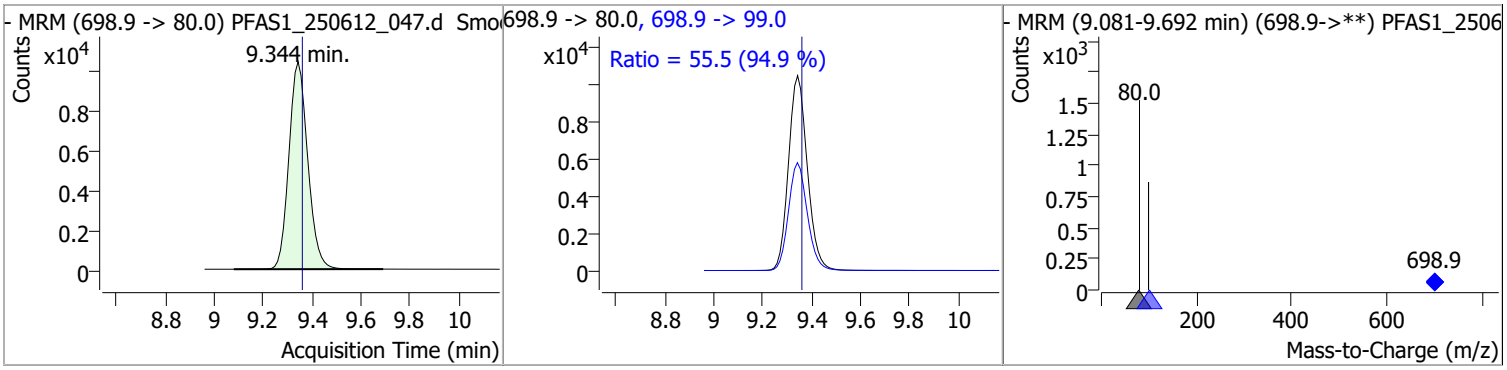
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2160	9.18	-0.01	103279				



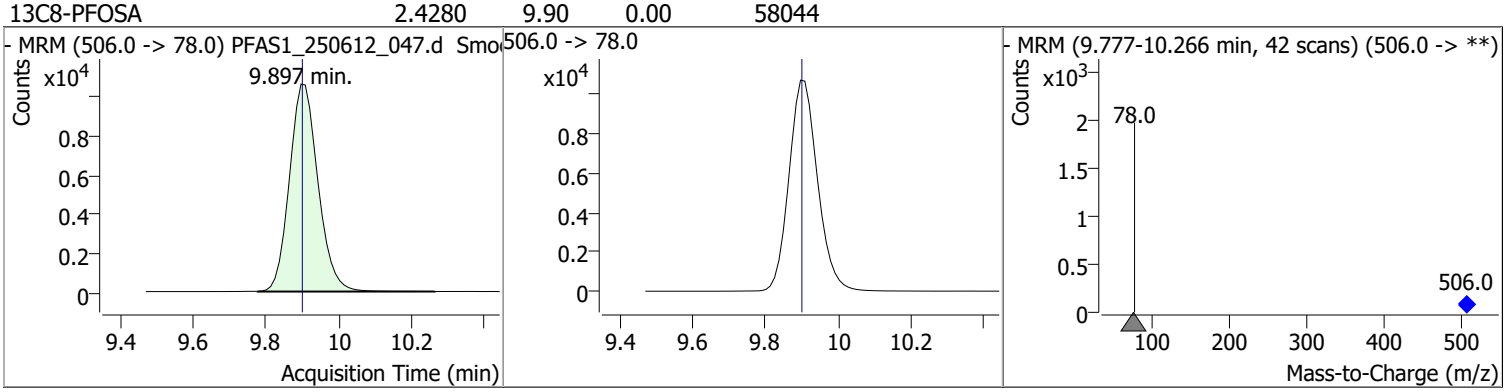
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	9.5940	9.19	-0.01	760222	712.9 -> 169.0	6.8	5.8	10.8



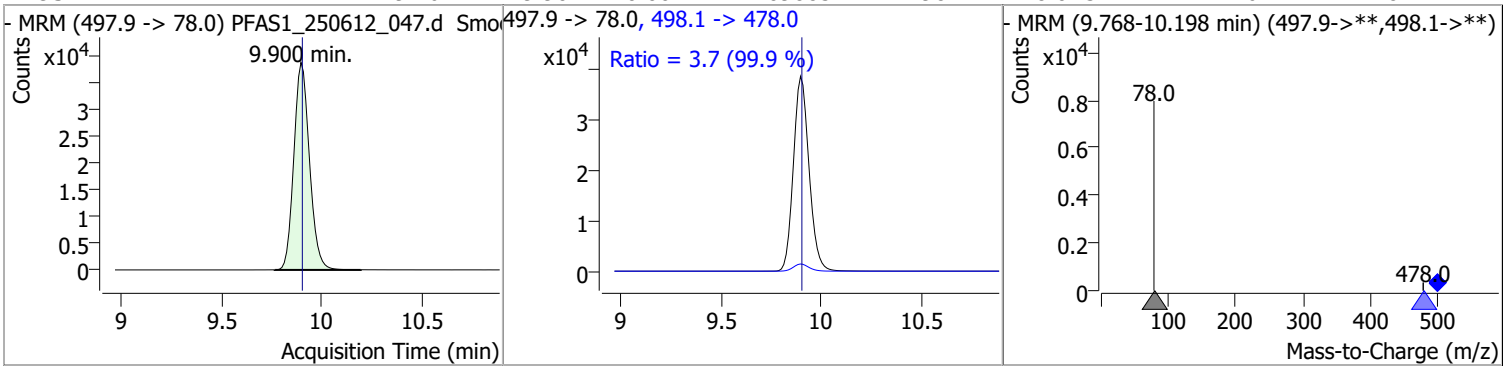
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	9.0783	9.34	-0.01	55272	698.9 -> 99.0	55.5	41.0	76.1



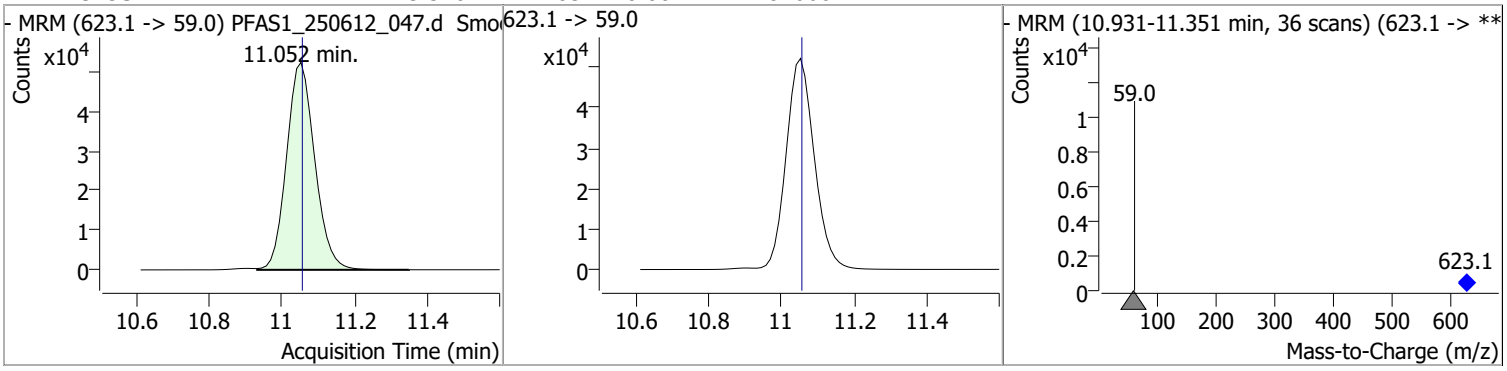
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4280	9.90	0.00	58044				



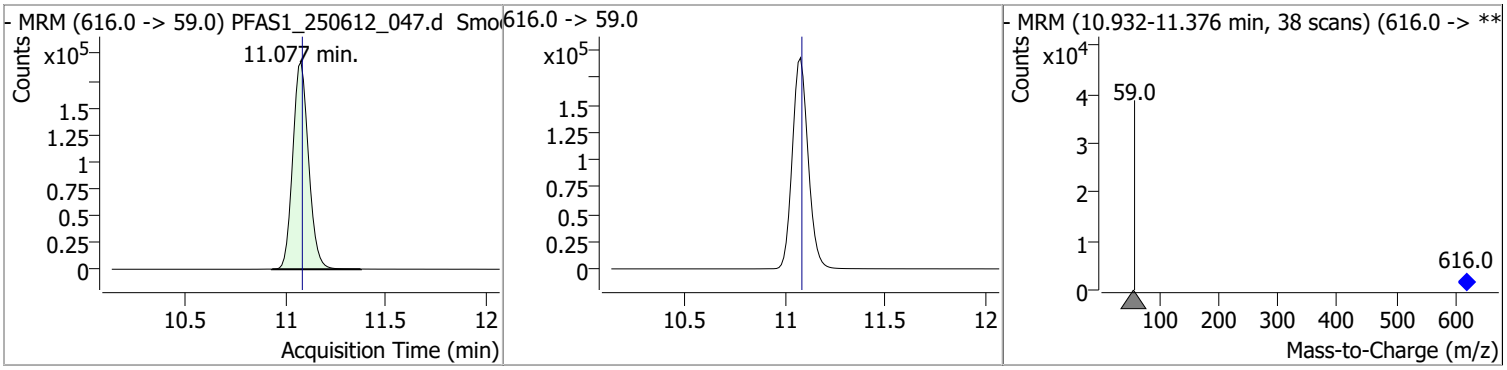
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	9.7671	9.90	0.00	209885	498.1 -> 478.0	3.7	2.6	4.8



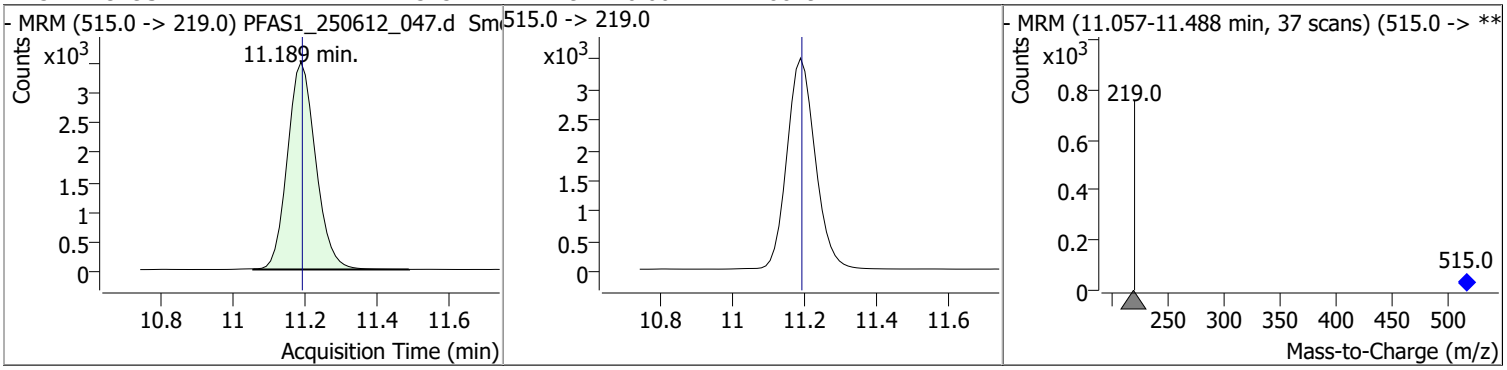
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	23.5167	11.05	0.00	281668				



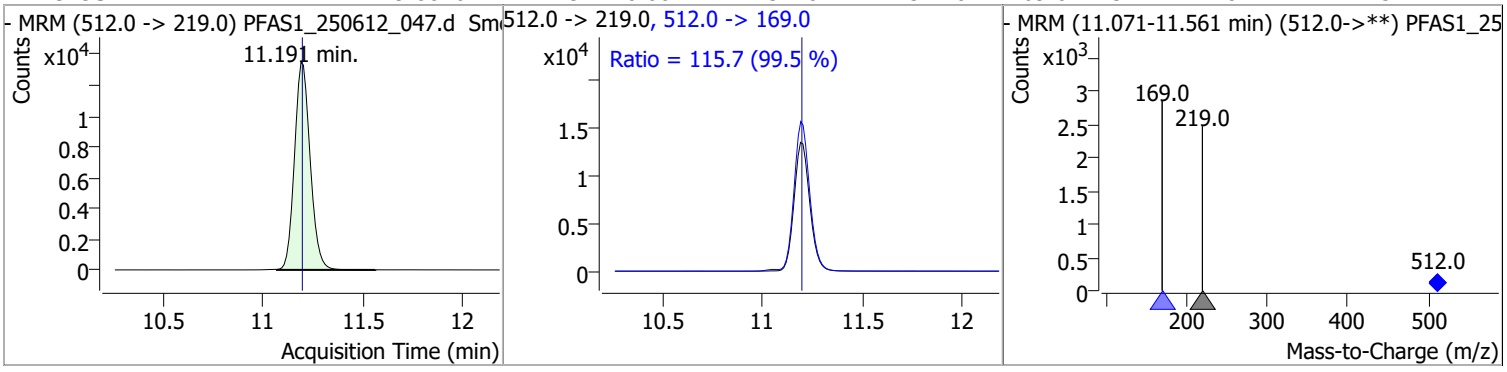
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	97.5735	11.08	0.00	1052408				



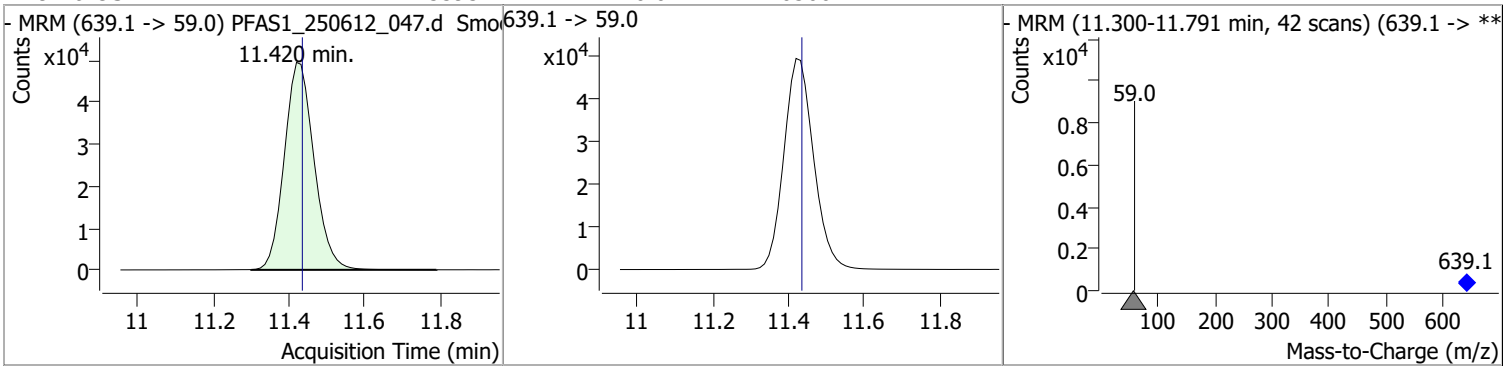
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3454	11.19	0.00	18829				



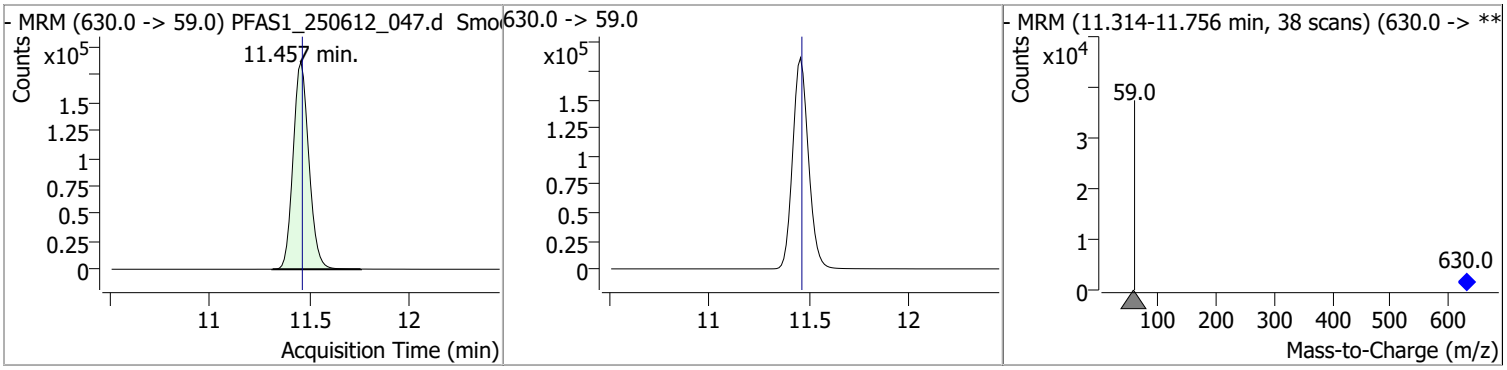
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	9.8816	11.19	0.00	73118	512.0 -> 169.0	115.7	81.4	151.2



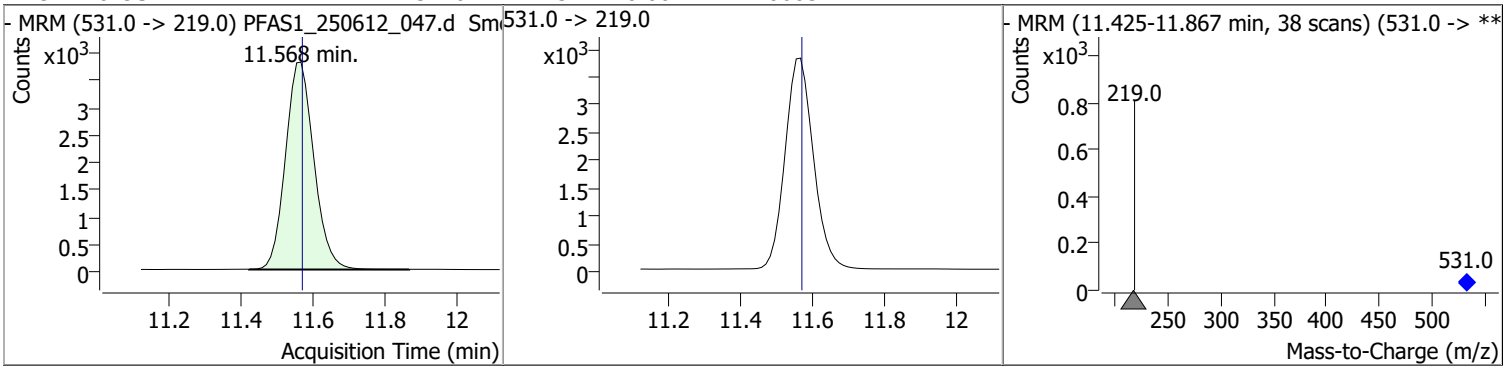
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	22.5595	11.42	-0.01	270300				



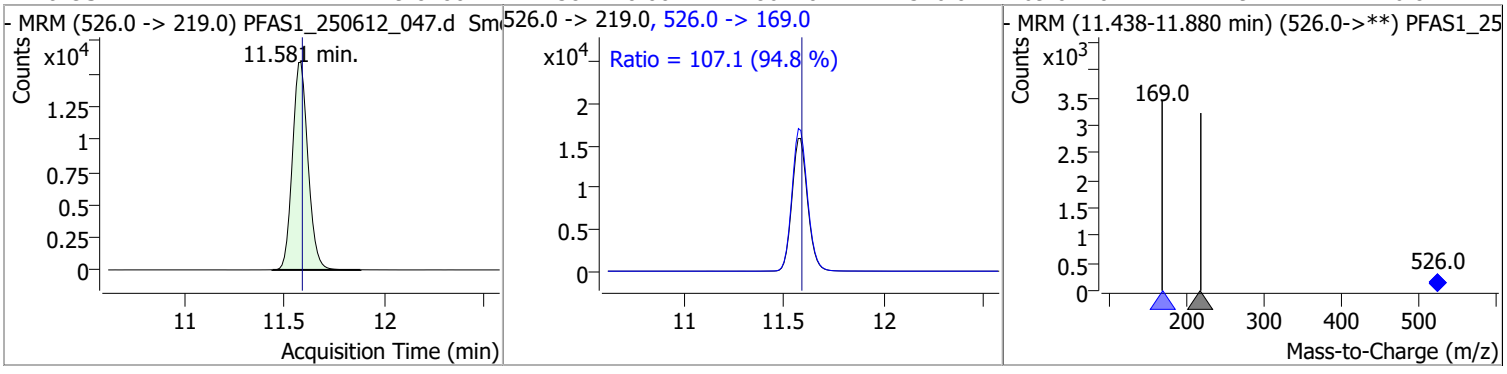
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	101.4666	11.46	0.00	1019448				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3446	11.57	0.00	20683				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	9.8480	11.58	0.00	86220	526.0 -> 169.0	107.1	79.1	146.8



7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_024.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-LCV1 ( )	Injection Time:	18:58

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
PFBA	0.800	0.81	32733.76	32885		1.00	30
PFPeA	0.400	0.41	52422.73	51575.1		3.00	30
PFHxA	0.200	0.20	73805.26	73409.75		0.00	30
PFHpA	0.200	0.21	82926.58	83065.45		6.00	30
PFOA	0.200	0.21	87940.64	90438.8		6.00	30
PFNA	0.200	0.21	91327.08	89985.85		2.00	30
PFDA	0.200	0.20	100157.4	96812.7		1.00	30
PFUnA	0.200	0.20	90384.45	85004.4		-2.00	30
PFDoA	0.200	0.20	78492.77	75597.65		-1.00	30
PFTrDA	0.200	0.21	77601.33	76379.9		6.00	30
PFTeDA	0.200	0.22	74138.76	73716.8		8.00	30
PFBS	0.177	0.16	18895.72	19020.802259887		-8.00	30
PFPeS	0.188	0.20	13159.76	2726.356382978		6.00	30
PFHxS	0.183	0.19	11100.11	1508.295081967		4.00	30
PFHpS	0.191	0.18	10112.68	0363.031413612		-4.00	30
PFOS	0.186	0.19	11292.07	3505.741935483		1.00	30
PFNS	0.192	0.19	10472.08	1317.708333333		1.00	30
PFDS	0.193	0.19	8453.186	932.6424870466		-4.00	30
PFDoS	0.194	0.19	5542.4	381.4432989690		0.00	30
4:2FTS	0.750	0.75	10960.44	12831.032		-1.00	30
6:2FTS	0.760	0.74	9595.639	0888.081578947		-2.00	30
8:2FTS	0.768	0.81	8734.04	0066.208333333		6.00	30
PFOSA	0.200	0.20	20158.27	19911.97		0.00	30
NMeFOSA	0.200	0.20	7200.237	7024.735		1.00	30
NEtFOSA	0.200	0.23	8405.457	8689.575		15.00	30
NMeFOSAA	0.200	0.19	16392.62	16123.745		-5.00	30
NEtFOSAA	0.200	0.22	14253.88	14636.49		9.00	30
NMeFOSE	2.00	2.05	10598.36	11417.475		3.00	30
NEtFOSE	2.00	2.00	10423.39	11765.375		0.00	30
HFPO-DA	0.400	0.39	22257.3	21197.335		-2.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_024.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-LCV1 ( )	Injection Time:	18:58

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
ADONA	0.378	0.40	101087.7	7197.645502645		6.00	30
9CL-PF3ONS	0.374	0.40	71625.12	5325.855614973		6.00	30
11CL-PF3OUdS	0.378	0.37	49394.22	7146.243386243		-1.00	30
3:3FTCA	0.800	0.75	1304.648	1192.098375		-7.00	30
5:3FTCA	4.00	4.27	6264.859	5975.5775		7.00	30
7:3FTCA	4.00	4.15	6915.942	6376.8625		4.00	30
PFEESA	0.356	0.36	54691.85	6490.252808988		0.00	30
PFMPA	0.400	0.42	24782.15	24760.8975		6.00	30
PFMBA	0.400	0.40	33405.86	31372.4		1.00	30
NFDHA	0.400	0.40	2846.614	2992.8325		0.00	30
13C4-PFBA	10.0	9.95	1.15441	.1488906549545		0.00	30
13C5-PFPeA	5.00	5.06	0.754645	76419020706195		1.00	30
13C5-PFHxA	2.50	2.53	1.029963	.0437160477744		1.00	30
13C4-PFHpA	2.50	2.54	1.193766	.2136294351529		2.00	30
13C8-PFOA	2.50	2.61	11.19502	1.692879545374		4.00	30
13C9-PFNA	1.25	1.24	1.024979	1.014663796919		-1.00	30
13C6-PFDA	1.25	1.30	1.06149	.0999424143816		4.00	30
13C7-PFUnA	1.25	1.26	0.9216579	9323964142497(		1.00	30
13C2-PFDoA	1.25	1.25	0.8017501	80457564385707		0.00	30
AVE 13C2-PFTeDA & 13C2-PFDoA	1.25	1.24	0.7918246	78538507567361		-1.00	30
13C2-PFTeDA	1.25	1.22	0.7818992	.7661944270633		-2.00	30
13C3-PFBS	2.50	2.63	1.810213	.9046254428155		5.00	30
13C3-PFHxS	2.50	2.41	1.147619	.1059826482362		-4.00	30
13C8-PFOS	2.50	2.56	0.9907137	.0134873678602		2.00	30
13C2-4:2FTS	5.00	5.92	0.3410825	40417203862046		18.00	30
13C2-6:2FTS	5.00	5.66	0.2390102	2703470691580(		13.00	30
13C2-8:2FTS	5.00	5.51	0.2617047	2884548594934(		10.00	30
13C8-PFOSA	2.50	2.45	2.195459	.1508254742699		-2.00	30
D3-NMeFOSA	2.50	2.36	0.7373179	6964317982845(		-6.00	30

7 - FORM VII

CONTINUING CALIBRATION CHECK

E1633

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Instrument ID:	PFAS1	Calibration:	OF250075
Lab File ID:	PFAS1_250612_024.d	Calibration Date:	06/12/25 09:06
Sequence:	S25F0493	Injection Date:	06/12/25
Lab Sample ID:	S25F0493-LCV1 ( )	Injection Time:	18:58

	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	**STD**	**CCV**	**ICAL**	**CCV**	**MIN (#)**	**CCV**	**LIMIT (#)**
D5-NEtFOSA	2.50	2.34	0.8101407	75680677452822		-6.00	30
D3-NMeFOSAA	5.00	4.93	1.866674	1.8418823040998		-1.00	30
D5-NEtFOSAA	5.00	4.75	1.495826	.4218961762424		-5.00	30
D7-NMeFOSE	25.0	24.8	1.099985	.0927225384541		0.00	30
D9-NEtFOSE	25.0	25.4	1.100376	.1158596522383		1.00	30
13C3-HFPO-DA	10.0	9.84	0.3105434	30557267432474		-2.00	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Results Report (QT Reviewed)

Data File	PFAS1_250612_024.d	Operator	CP1
Acq. Method	1633_ACN_Final.m	Acq. Date-Time	6/12/2025 6:58:24 PM
Sample Name	SEQ-LCV	Instrument	PFAS1
Vial		Multiplier	1.00
DA Method File	PFAS1_250612.batch.bin	Comment	
Tune File		Tune Date	
Batch Name	PFAS1_250612_SOIL.batch.bin	Last Calib Update	6/13/2025 8:26:04 AM
Ref Library			

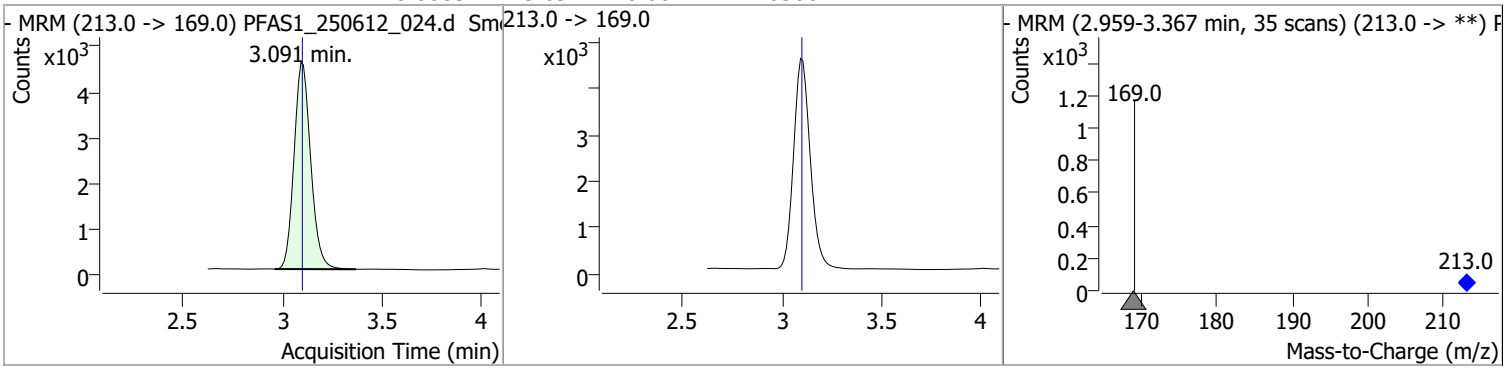
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
13C3-PFBA	3.099	216.0 -> 172.0	166346	5.0000	µg/L	5.164
13C2-PFHxA	5.479	315.0 -> 270.0	179627	2.5000	µg/L	0.533
18O2-PFHxS	6.796	403.0 -> 84.0	23610	2.5000	µg/L	0.468
13C4-PFOA	6.663	417.0 -> 172.0	19580	2.5000	µg/L	-3.046
13C5-PFNA	7.125	468.0 -> 423.0	121776	1.2500	µg/L	1.753
13C2-PFDA	7.576	515.0 -> 470.0	124337	1.2500	µg/L	-0.635
13C4-PFOS	7.757	503.0 -> 80.0	25677	2.5000	µg/L	2.850
System Monitoring Compounds						
13C4-PFBA	3.095	217.0 -> 172.0	382227	10.0000	µg/L	4.722
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.52%		
13C4-PFBA	3.095	217.0 -> 172.0	382227	10.0000	µg/L	4.722
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 99.52%		
13C5-PFPeA	4.594	268.0 -> 223.0	274539	5.0000	µg/L	1.770
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.26%		
13C5-PFPeA	4.594	268.0 -> 223.0	274539	5.0000	µg/L	1.770
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 101.26%		
13C2-4-2 FTSA	5.238	329.0 -> 81.0	19085	5.0000	µg/L	18.433
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 118.50%		
13C5-PFHxA	5.478	318.0 -> 273.0	187480	2.5000	µg/L	1.892
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.34%		
13C5-PFHxA	5.478	318.0 -> 273.0	187480	2.5000	µg/L	1.892
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.34%		
13C3-PFBS	5.494	302.0 -> 80.0	44969	2.5000	µg/L	5.494
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 105.22%		
13C3-HFPO-DA	5.735	287.0 -> 169.0	219557	10.0000	µg/L	-1.043
Spiked Amount: 10.000	Range: 70 - 130%			Recovery = 98.40%		
13C4-PFHpA	6.142	367.0 -> 322.0	218001	2.5000	µg/L	2.253
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 101.66%		
13C3-PFHxS	6.797	402.0 -> 80.0	26113	2.5000	µg/L	-3.221
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%		
13C2-6-2 FTSA	6.459	429.0 -> 81.0	12766	5.0000	µg/L	13.203
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 113.11%		
13C8-PFOA	6.662	421.0 -> 376.0	228947	2.5000	µg/L	1.351
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 104.45%		
13C3-PFHxS	6.797	402.0 -> 80.0	26113	2.5000	µg/L	-3.221
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 96.37%		
13C9-PFNA	7.125	472.0 -> 427.0	123562	1.2500	µg/L	0.701
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 98.99%		
13C8-PFOS	7.756	507.0 -> 80.0	26024	2.5000	µg/L	5.171
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.30%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13621	5.0000	µg/L	10.667
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 110.22%		
13C2-8-2 FTSA	7.372	529.0 -> 81.0	13621	5.0000	µg/L	10.667
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 110.22%		
13C6-PFDA	7.575	519.0 -> 474.0	136763	1.2500	µg/L	2.904

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 103.62%			
2H3-N-MeFOSAA	7.703	573.0 -> 419.0	94589	5.0000	µg/L		1.774
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 98.67%			
13C8-PFOS	7.756	507.0 -> 80.0	26024	2.5000	µg/L		5.171
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 102.30%			
2H5-N-EtFOSAA	7.927	589.0 -> 419.0	73021	5.0000	µg/L		-2.039
Spiked Amount: 5.000	Range: 70 - 130%			Recovery = 95.06%			
13C7-PFUnDA	7.999	570.0 -> 525.0	115931	1.2500	µg/L		0.492
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 101.17%			
Ave. 13C2-PFDoA & 13C2-PFTeDA	8.810	615.0 -> 570.0	97652	1.2500	µg/L		-1.365
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 99.19%			
13C2-PFDoDA	8.424	615.0 -> 570.0	100038	1.2500	µg/L		-0.212
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 100.35%			
13C2-PFTDA	9.197	715.0 -> 670.0	95266	1.2500	µg/L		-2.548
Spiked Amount: 1.250	Range: 70 - 130%			Recovery = 97.99%			
13C8-PFOSA	9.897	506.0 -> 78.0	55228	2.5000	µg/L		0.975
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 97.97%			
2H7-MeFOSE	11.052	623.1 -> 59.0	280582	25.0000	µg/L		2.138
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 99.34%			
2H3-N-MeFOSA	11.189	515.0 -> 219.0	17883	2.5000	µg/L		-2.567
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 94.45%			
2H9-EtFOSE	11.432	639.1 -> 59.0	286523	25.0000	µg/L		4.276
Spiked Amount: 25.000	Range: 70 - 130%			Recovery = 101.41%			
2H5-N-EtFOSA	11.568	531.0 -> 219.0	19433	2.5000	µg/L		-3.783
Spiked Amount: 2.500	Range: 70 - 130%			Recovery = 93.42%			
Target Compounds							QValue
PFBA	3.091	213.0 -> 169.0	26308	0.8083	µg/L		100
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 101.04%			
PFMPA	3.794	229.0 -> 85.0	9904	0.4221	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 105.52%			
3-3 FTCA	4.018	241.0 -> 177.0	954	0.7462	µg/L		97
Spiked Amount: 0.800	Range: 70 - 130%			Recovery = 93.28%			
PFPeA	4.596	263.0 -> 219.0	20630	0.4108	µg/L	#	100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 102.71%			
PFMBA	4.910	279.0 -> 85.0	12549	0.4042	µg/L		100
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 101.05%			
4-2 FTSA	5.239	327.0 -> 307.0	9623	0.7453	µg/L		95
Spiked Amount: 0.750	Range: 70 - 130%			Recovery = 99.37%			
NFDHA	5.390	295.0 -> 201.0	1197	0.4005	µg/L	#	79
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 100.12%			
PFHxA	5.480	313.0 -> 269.0	14682	0.2005	µg/L		100
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.24%			
PFBS	5.495	298.9 -> 80.0	3367	0.1637	µg/L		99
Spiked Amount: 0.177	Range: 70 - 130%			Recovery = 92.28%			
HFPO-DA	5.736	285.0 -> 169.0	8479	0.3921	µg/L		98
Spiked Amount: 0.400	Range: 70 - 130%			Recovery = 98.03%			
PFEESA	5.860	314.9 -> 135.0	20111	0.3559	µg/L		95
Spiked Amount: 0.356	Range: 70 - 130%			Recovery = 99.98%			
5-3 FTCA	6.132	341.0 -> 237.0	23902	4.2695	µg/L		99
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 106.74%			
PFHpA	6.142	363.0 -> 319.0	16613	0.2112	µg/L		95
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 105.59%			
PFPeS	6.229	348.9 -> 80.0	2393	0.1998	µg/L		90
Spiked Amount: 0.188	Range: 70 - 130%			Recovery = 106.16%			

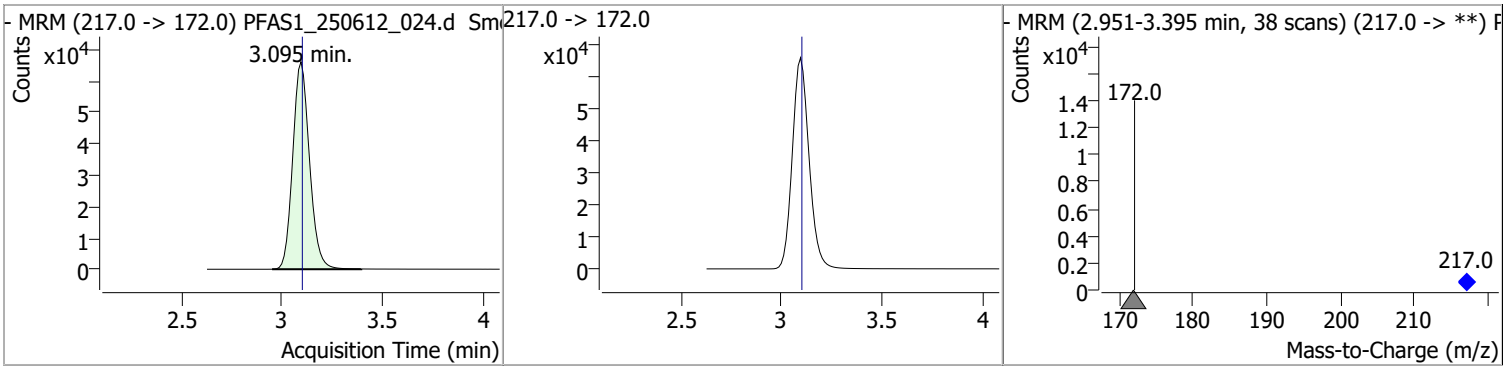
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
DONA	6.333	377.0 -> 251.0	36741	0.4018	µg/L		96
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 106.31%			
6-2 FTSA	6.460	427.0 -> 407.0	8275	0.7447	µg/L		100
Spiked Amount: 0.760	Range: 70 - 130%			Recovery = 97.98%			
PFOA	6.663	413.0 -> 369.0	18088	0.2109	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 105.45%			
PFHxS	6.798	398.9 -> 80.0	2106	0.1900	µg/L		99
Spiked Amount: 0.183	Range: 70 - 130%			Recovery = 103.95%			
PFNA	7.126	463.0 -> 419.0	17997	0.2051	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 102.54%			
PFHpS	7.295	448.9 -> 80.0	1979	0.1842	µg/L		97
Spiked Amount: 0.191	Range: 70 - 130%			Recovery = 96.66%			
8-2 FTSA	7.361	527.0 -> 507.0	7731	0.8134	µg/L		100
Spiked Amount: 0.768	Range: 70 - 130%			Recovery = 105.92%			
7-3 FTCA	7.463	441.0 -> 317.0	25507	4.1511	µg/L		98
Spiked Amount: 4.000	Range: 70 - 130%			Recovery = 103.78%			
PFDA	7.576	513.0 -> 469.0	19363	0.2018	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.88%			
N-MeFOSAA	7.704	570.0 -> 419.0	3225	0.1908	µg/L		98
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 95.38%			
PFOS	7.758	498.9 -> 80.0	2512	0.1884	µg/L		92
Spiked Amount: 0.186	Range: 70 - 130%			Recovery = 101.50%			
N-EtFOSAA	7.927	584.0 -> 419.0	2927	0.2173	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 108.67%			
PFUnDA	8.000	563.0 -> 519.0	17001	0.1960	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.00%			
9Cl-PF3ONS	8.074	530.9 -> 350.9	28172	0.3985	µg/L		95
Spiked Amount: 0.374	Range: 70 - 130%			Recovery = 106.55%			
PFNS	8.192	548.9 -> 80.0	2173	0.1942	µg/L		96
Spiked Amount: 0.192	Range: 70 - 130%			Recovery = 100.94%			
PFDoDA	8.424	613.0 -> 569.0	15120	0.1973	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 98.65%			
PFDS	8.606	598.9 -> 80.0	1531	0.1852	µg/L		96
Spiked Amount: 0.193	Range: 70 - 130%			Recovery = 95.96%			
PFTrDA	8.817	663.0 -> 619.0	15276	0.2121	µg/L		96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 106.05%			
11Cl-PF3OUdS	8.891	630.9 -> 450.9	17821	0.3731	µg/L		99
Spiked Amount: 0.378	Range: 70 - 130%			Recovery = 98.70%			
PFTDA	9.198	712.9 -> 669.0	14743	0.2158	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 107.92%			
PFDoS	9.356	698.9 -> 80.0	1044	0.1947	µg/L		94
Spiked Amount: 0.194	Range: 70 - 130%			Recovery = 100.38%			
PFOSA	9.900	497.9 -> 78.0	3982	0.1994	µg/L	#	96
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 99.72%			
MeFOSE	11.077	616.0 -> 59.0	22835	2.0518	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 102.59%			
N-MeFOSA	11.191	512.0 -> 219.0	1405	0.2015	µg/L		94
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 100.76%			
EtFOSE	11.457	630.0 -> 59.0	23531	2.0004	µg/L		100
Spiked Amount: 2.000	Range: 70 - 130%			Recovery = 100.02%			
N-EtFOSA	11.581	526.0 -> 219.0	1738	0.2301	µg/L		97
Spiked Amount: 0.200	Range: 70 - 130%			Recovery = 115.07%			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

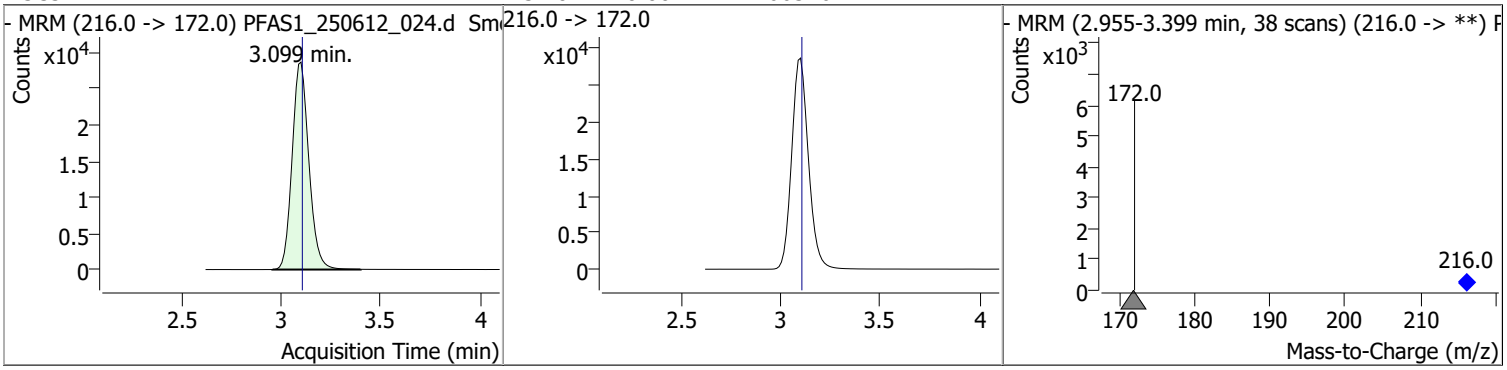
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBA	0.8083	3.09	0.00	26308				



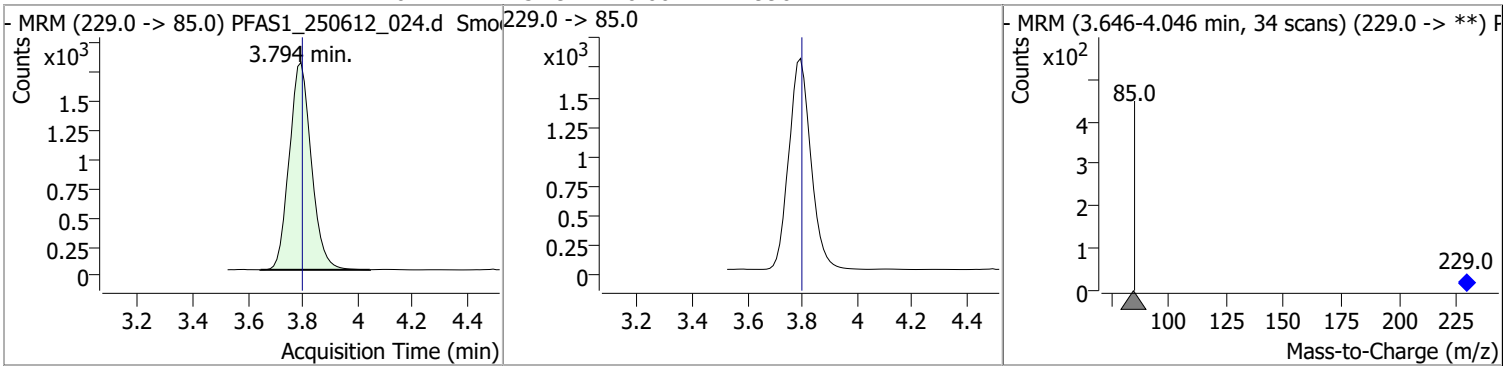
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFBA	9.9522	3.09	0.00	382227				



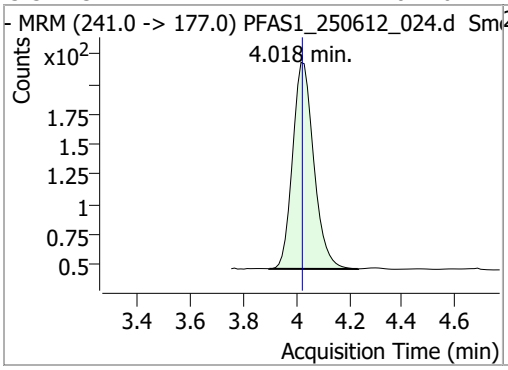
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBA		3.10	0.00	166346				

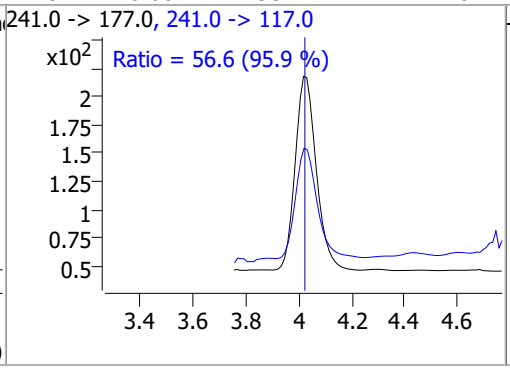


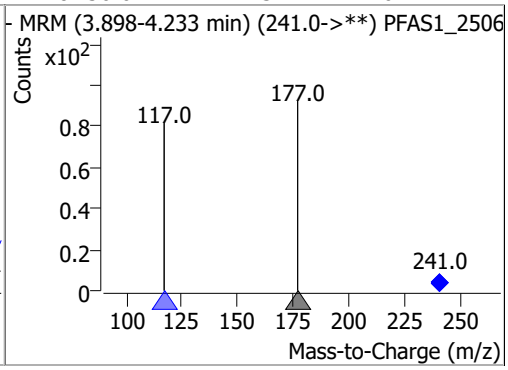
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMPA	0.4221	3.79	0.00	9904				



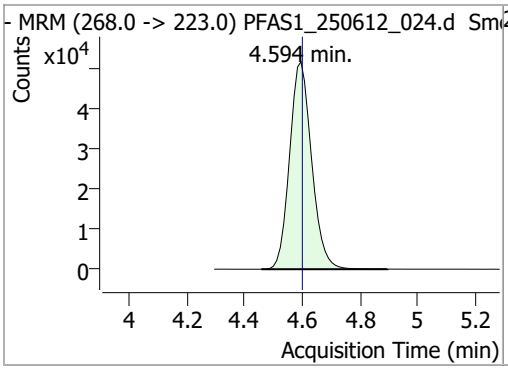
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-3 FTCA	0.7462	4.02	0.00	954	241.0 -> 117.0	56.6	41.3	76.7

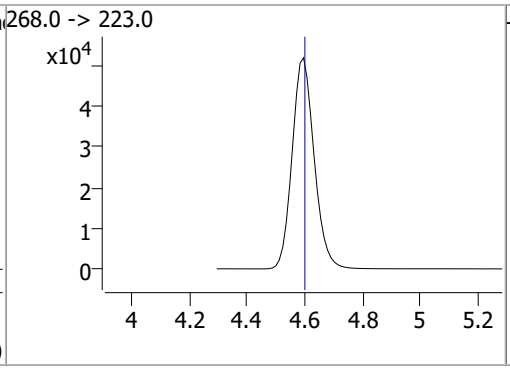


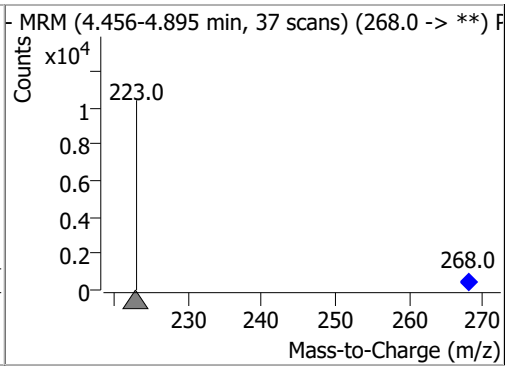




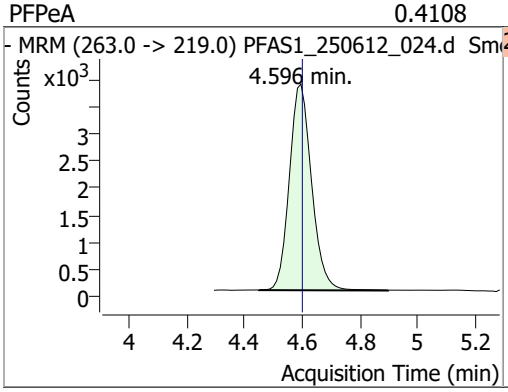
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFPeA	5.0632	4.59	0.00	274539				

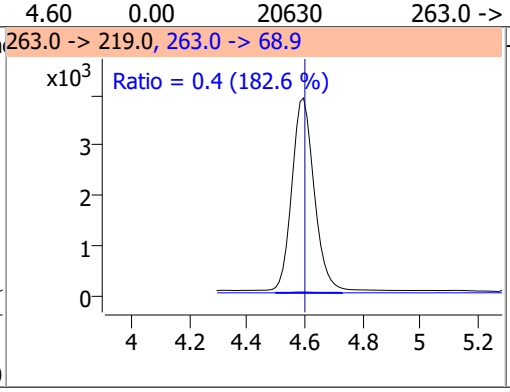


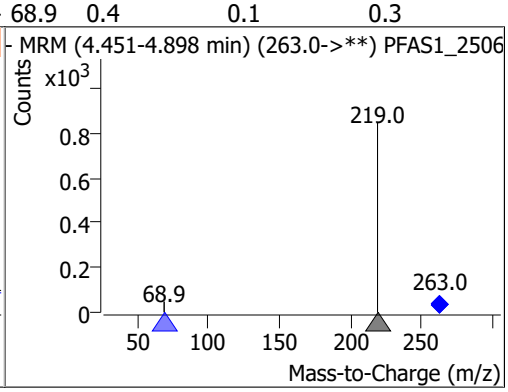




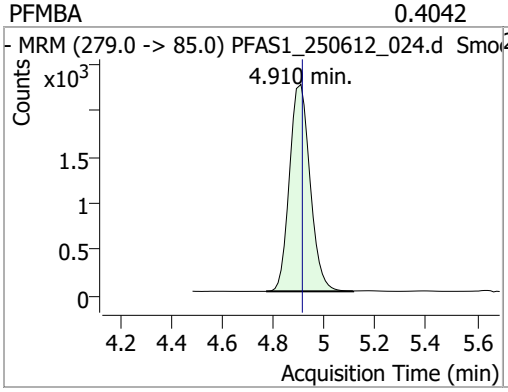
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeA	0.4108	4.60	0.00	20630	263.0 -> 68.9	0.4	0.1	0.3

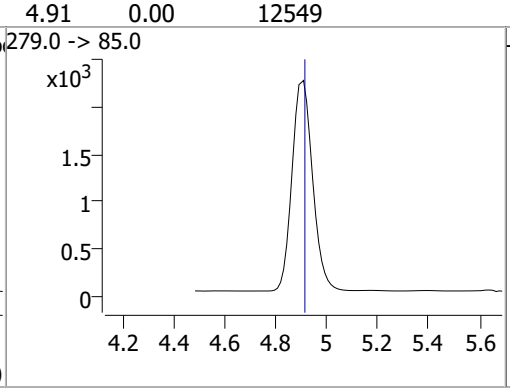


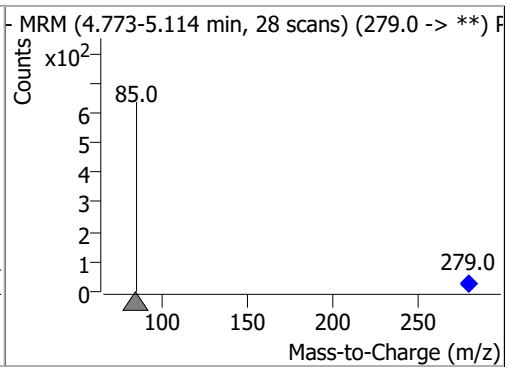




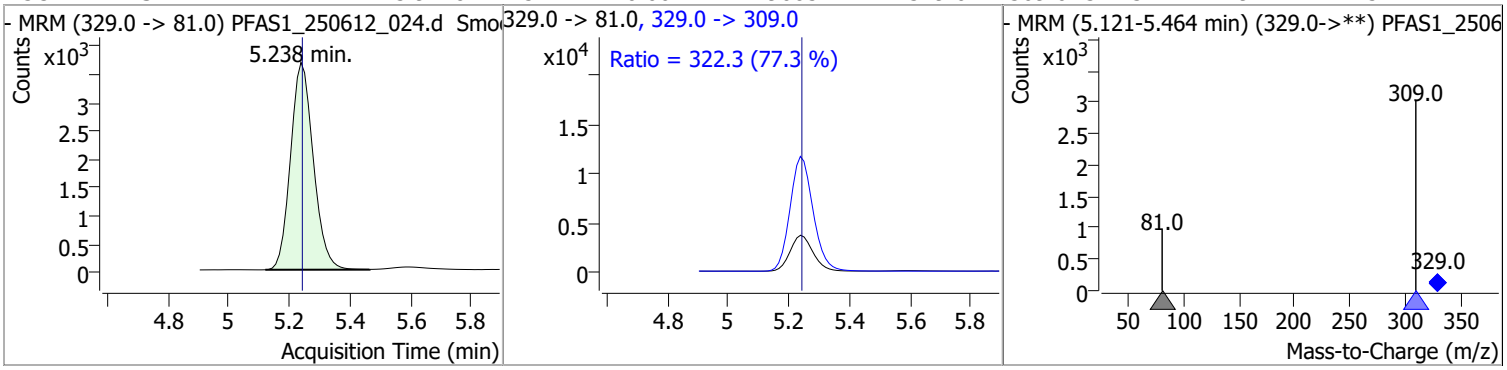
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFMBA	0.4042	4.91	0.00	12549				



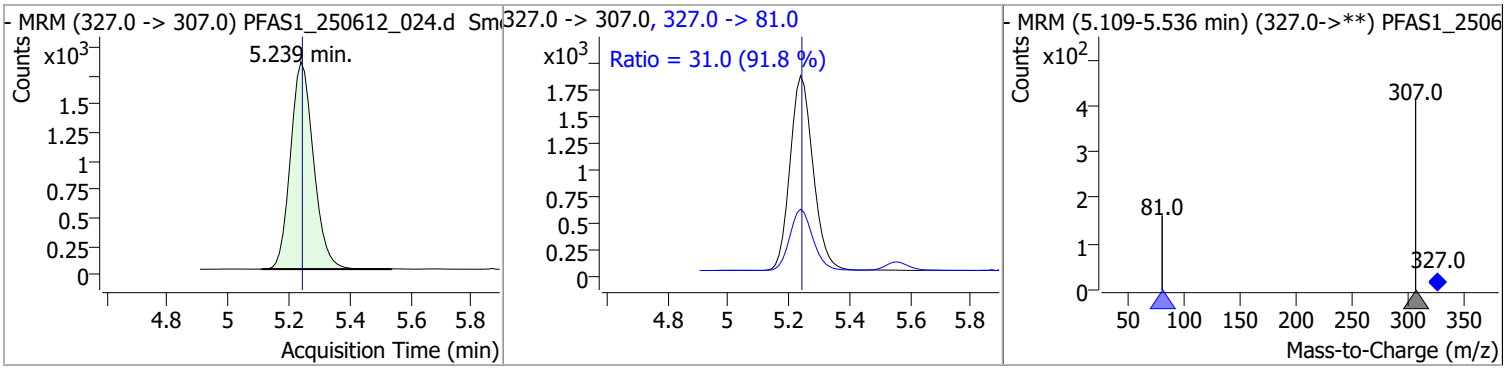




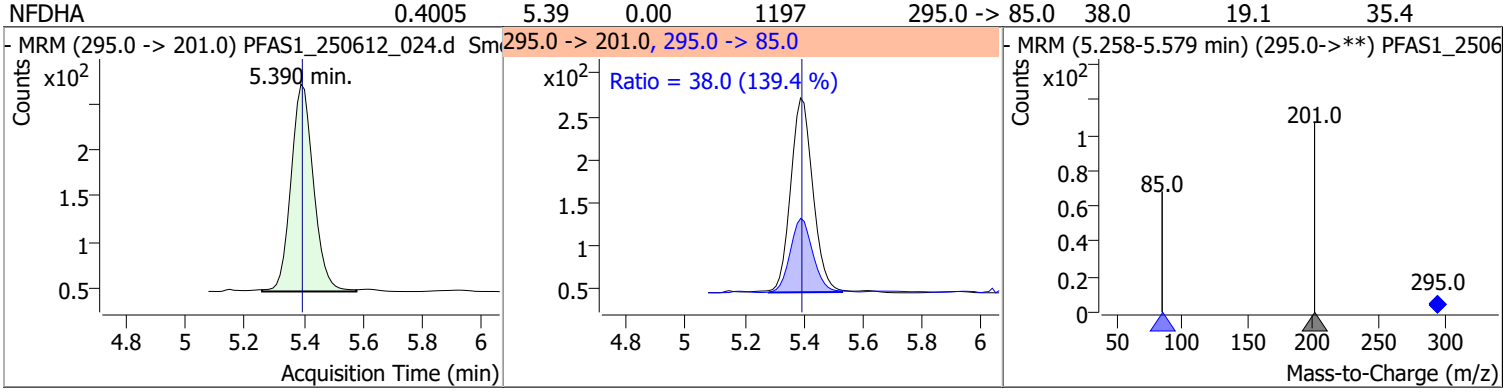
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-4-2 FTSA	5.9248	5.24	0.00	19085	329.0 -> 309.0	322.3	292.1	542.4



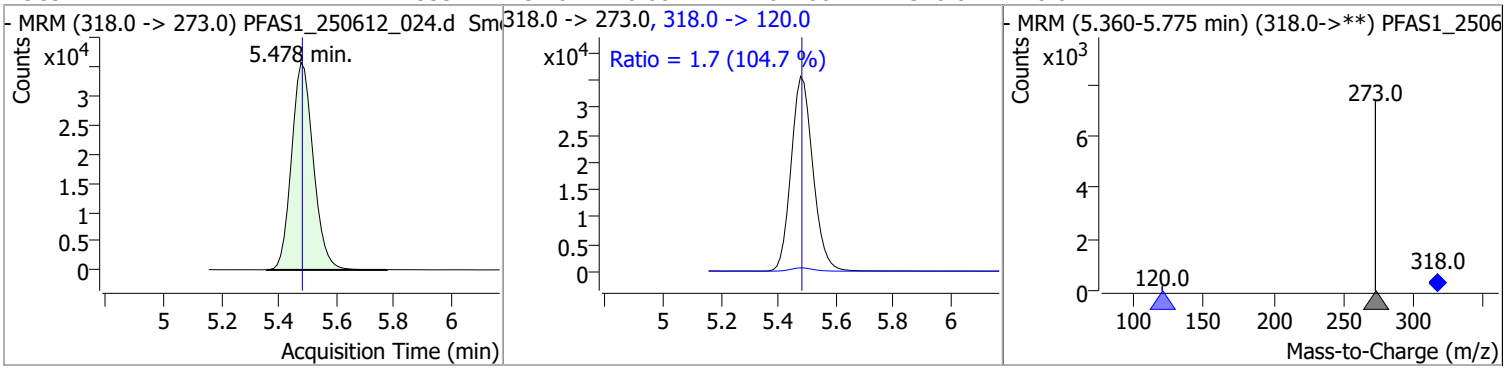
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-2 FTSA	0.7453	5.24	0.00	9623	327.0 -> 81.0	31.0	23.6	43.9



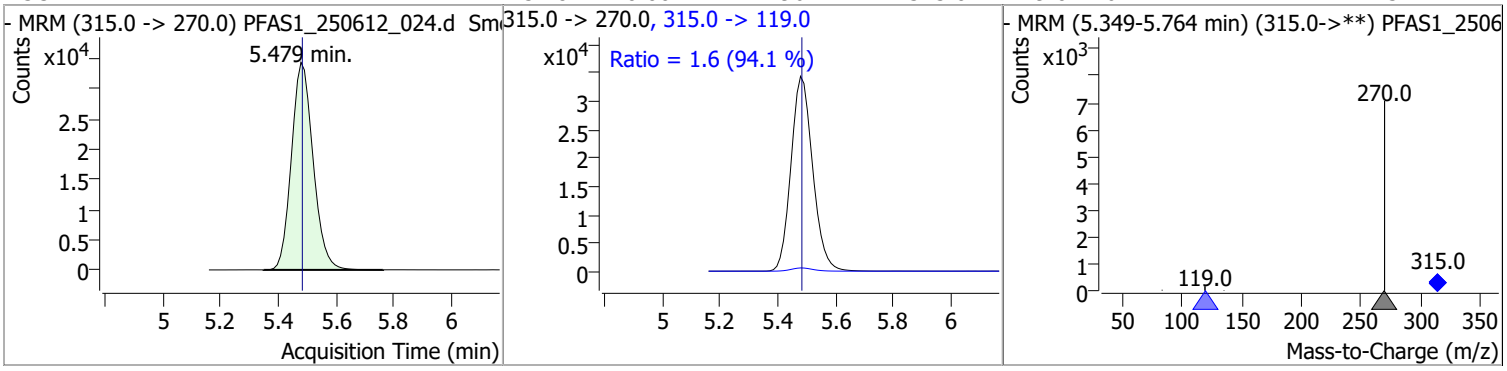
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
NFDHA	0.4005	5.39	0.00	1197	295.0 -> 85.0	38.0	19.1	35.4



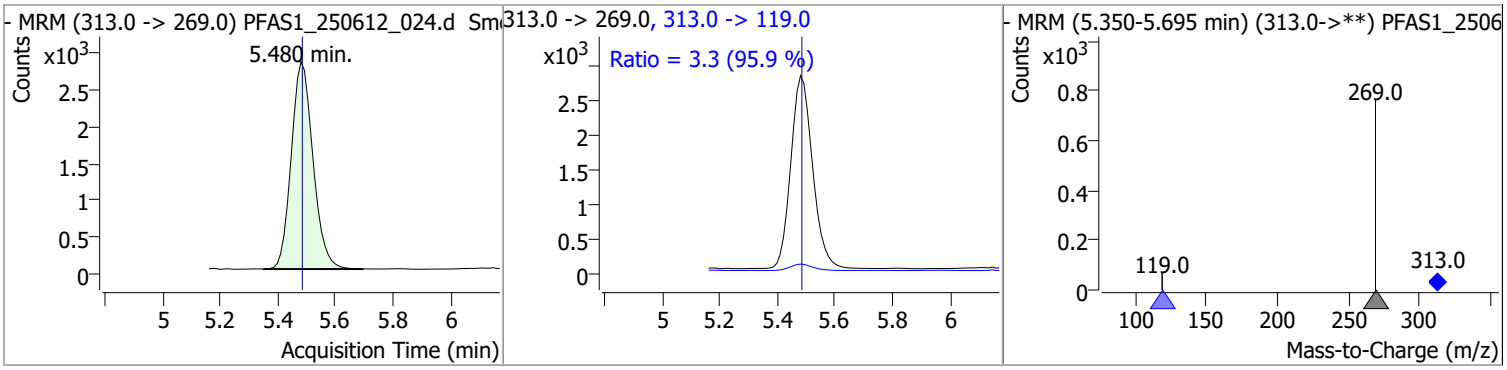
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFHxA	2.5334	5.48	0.00	187480	318.0 -> 120.0	1.7	1.1	2.1



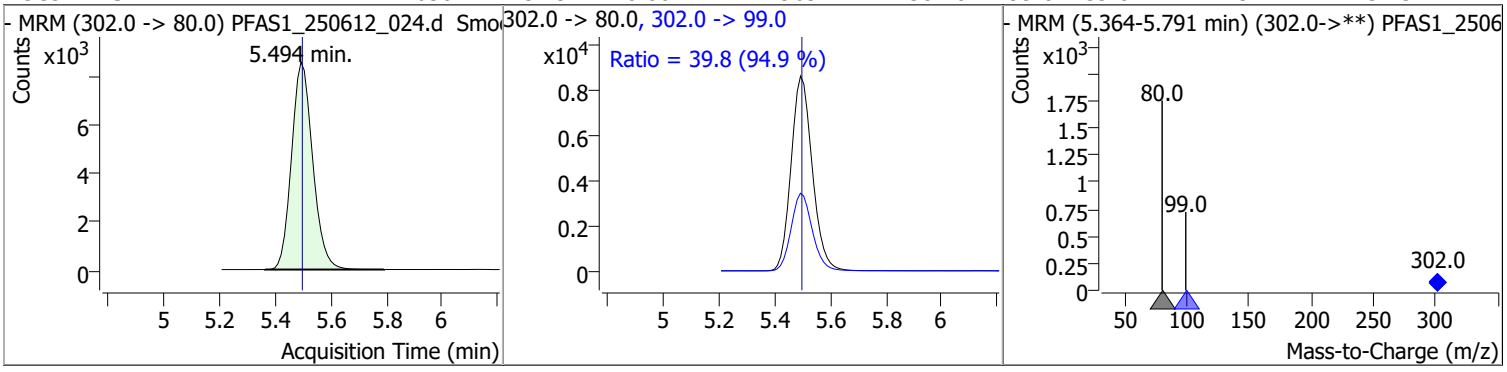
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFHxA		5.48	0.00	179627	315.0 -> 119.0	1.6	1.2	2.3



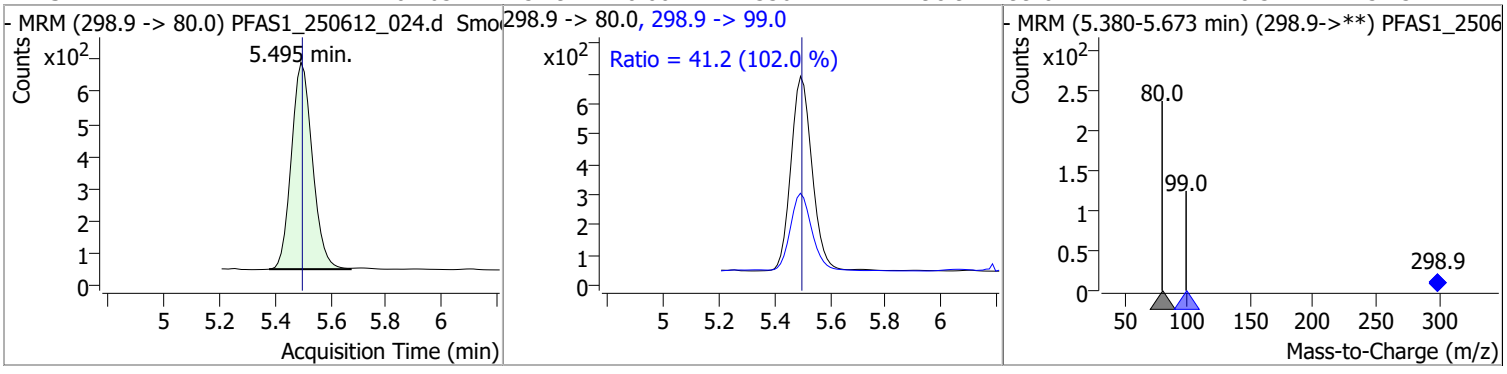
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxA	0.2005	5.48	0.00	14682	313.0 -> 119.0	3.3	2.4	4.5



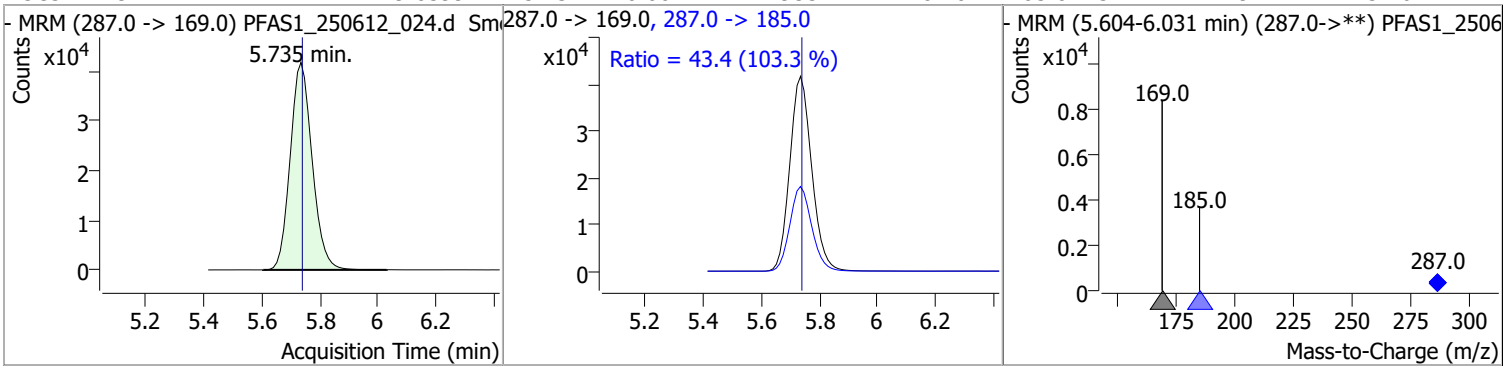
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFBS	2.6304	5.49	0.00	44969	302.0 -> 99.0	39.8	29.4	54.5



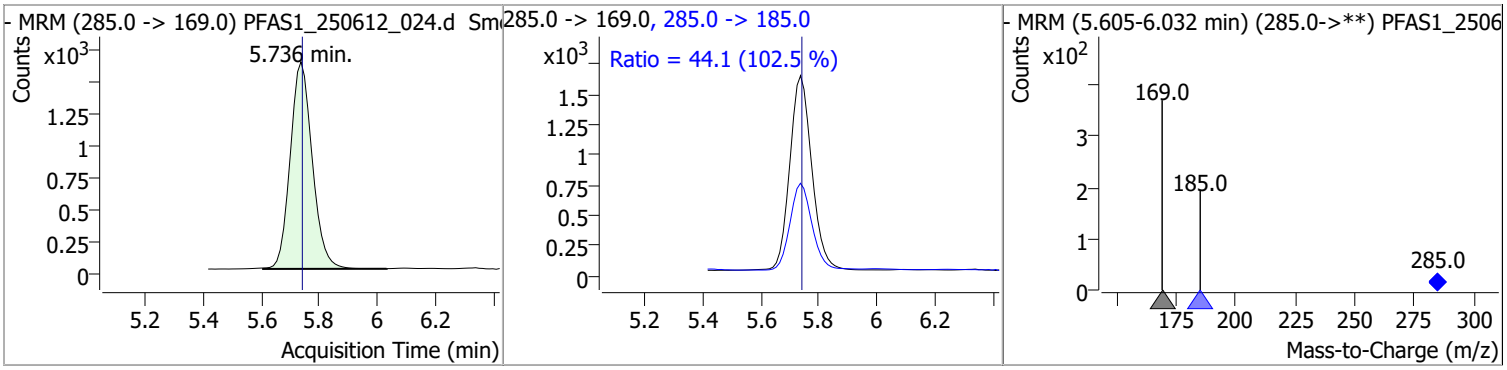
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFBS	0.1637	5.49	0.00	3367	298.9 -> 99.0	41.2	28.3	52.5



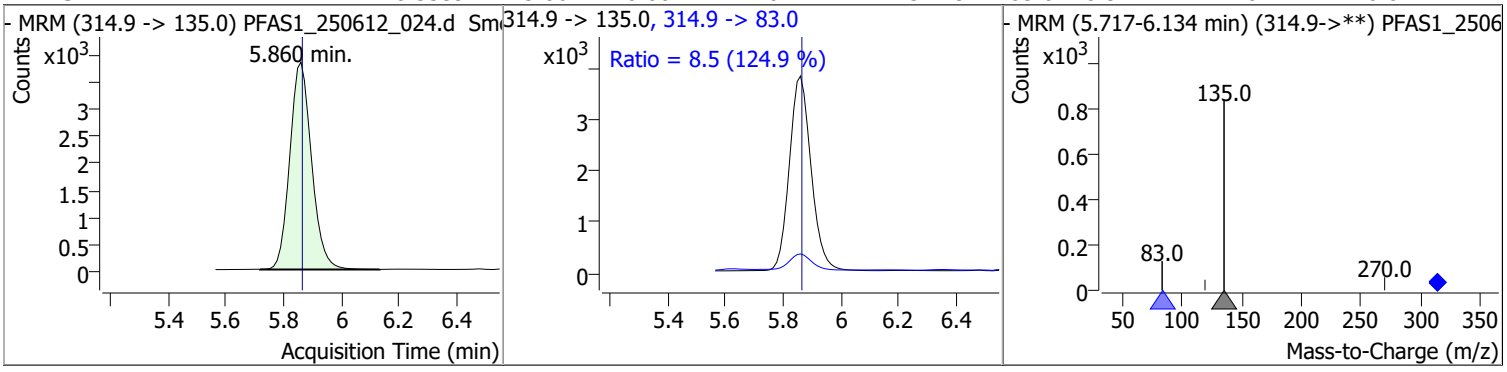
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-HFPO-DA	9.8399	5.73	0.00	219557	287.0 -> 185.0	43.4	29.4	54.6



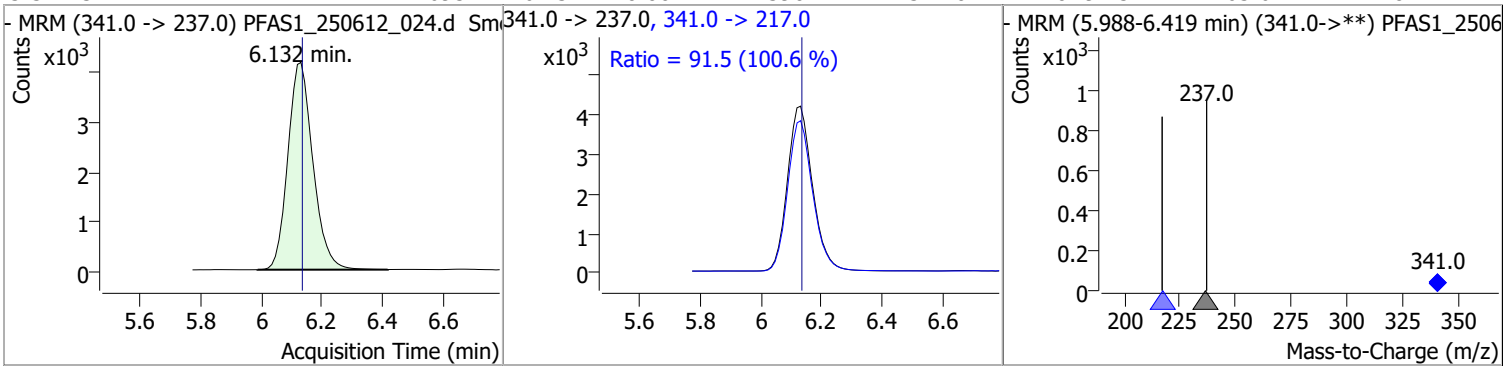
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
HFPO-DA	0.3921	5.74	0.00	8479	285.0 -> 185.0	44.1	30.1	56.0



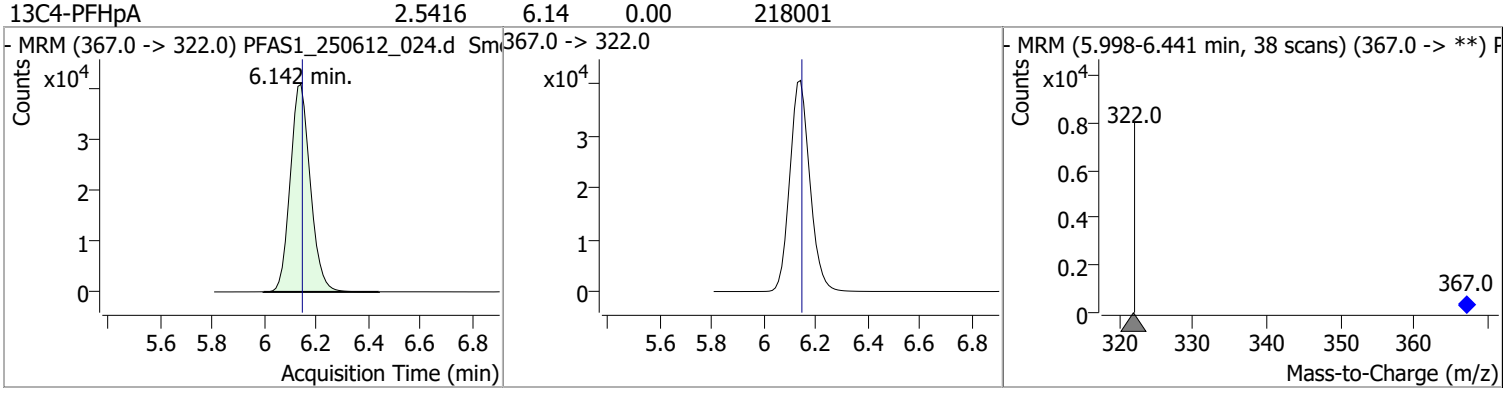
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFEESA	0.3559	5.86	0.00	20111	314.9 -> 83.0	8.5	4.8	8.8



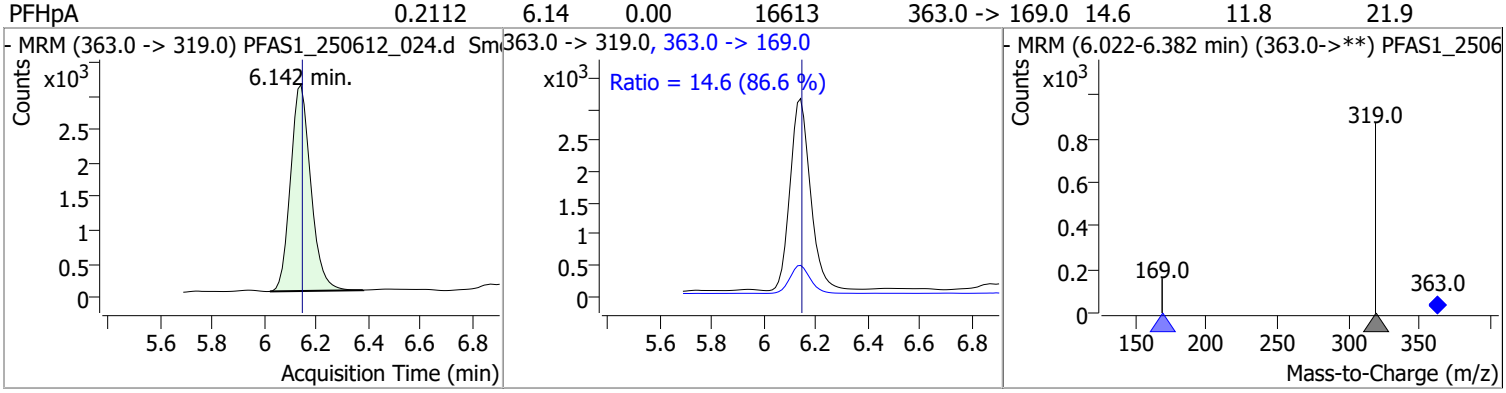
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
5-3 FTCA	4.2695	6.13	0.00	23902	341.0 -> 217.0	91.5	63.6	118.1



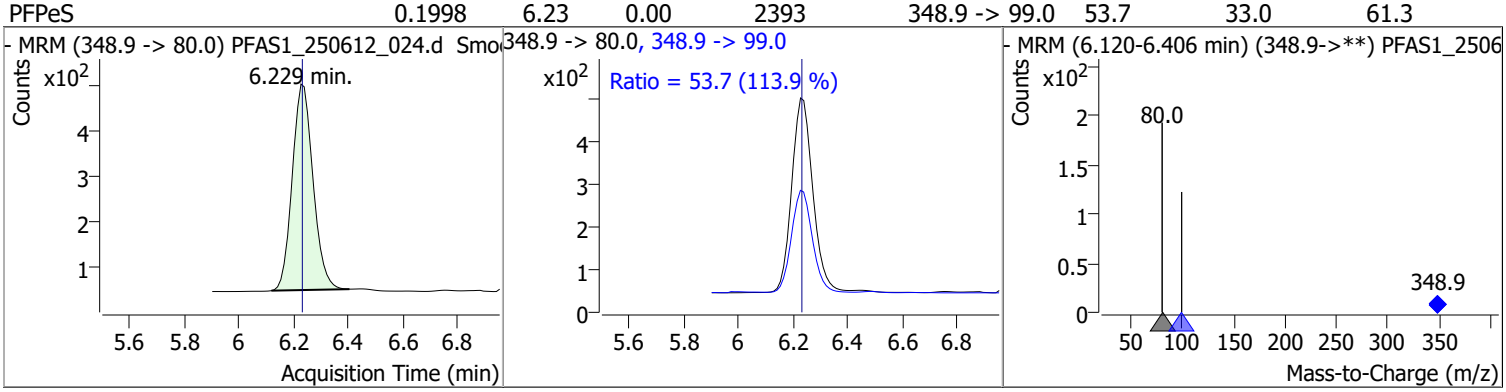
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFHpA	2.5416	6.14	0.00	218001				



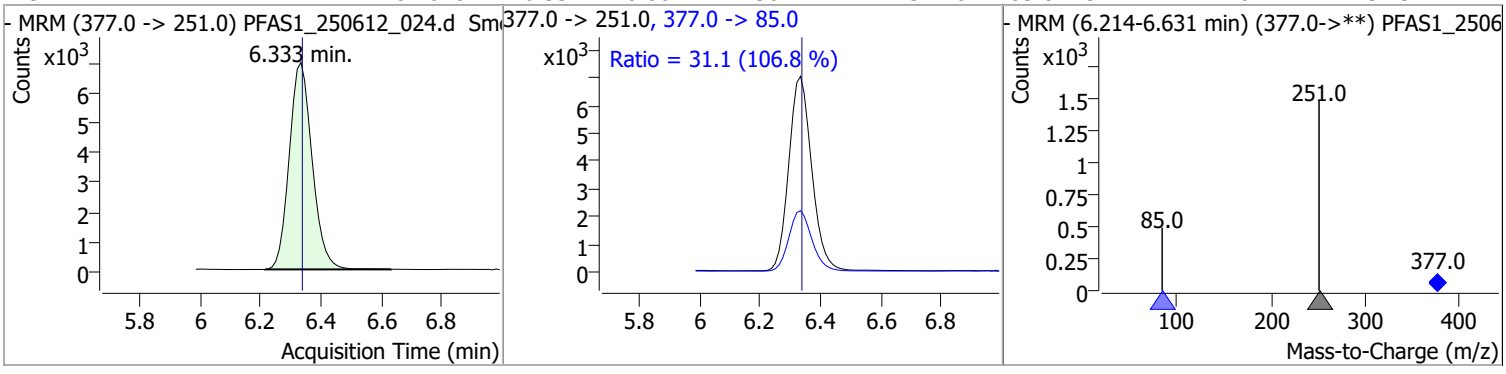
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpA	0.2112	6.14	0.00	16613	363.0 -> 169.0	14.6	11.8	21.9



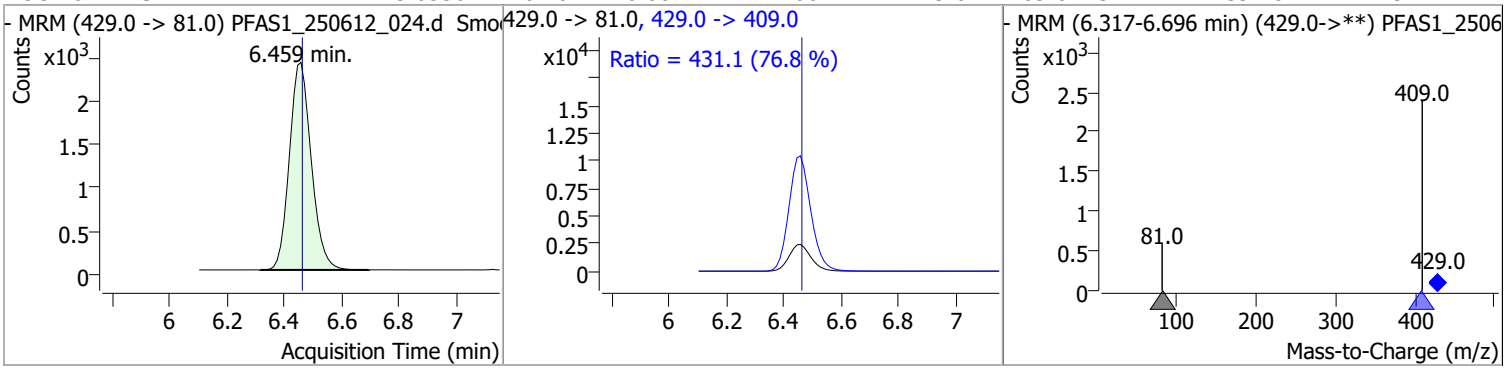
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFPeS	0.1998	6.23	0.00	2393	348.9 -> 99.0	53.7	33.0	61.3



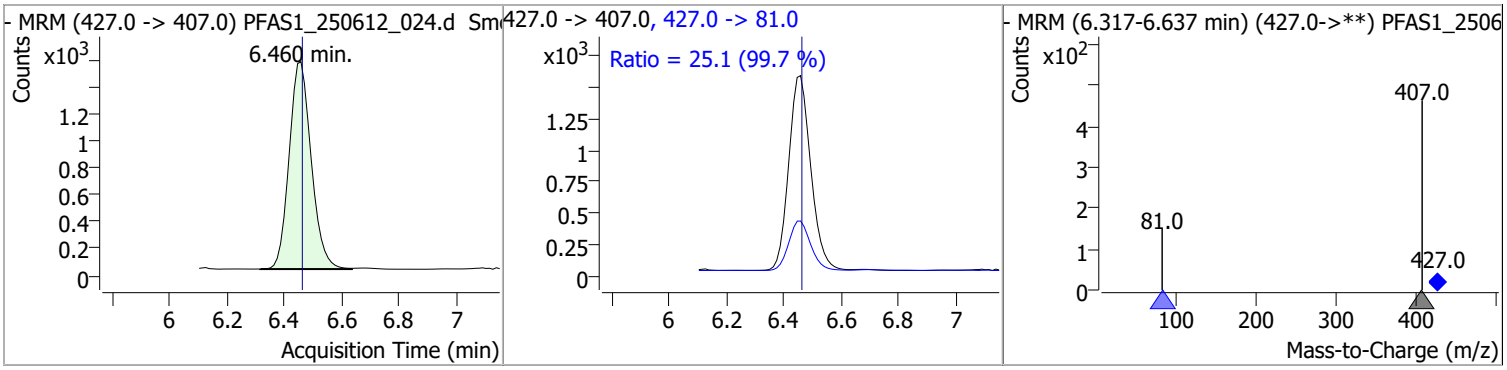
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
DONA	0.4018	6.33	0.00	36741	377.0 -> 85.0	31.1	20.4	37.9



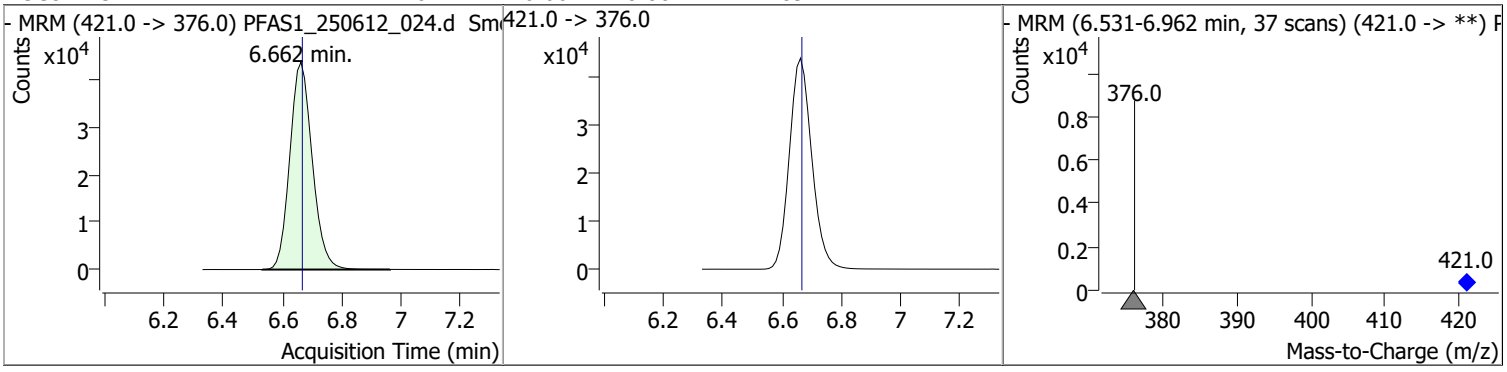
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-6-2 FTSA	5.6556	6.46	0.00	12766	429.0 -> 409.0	431.1	392.8	729.4



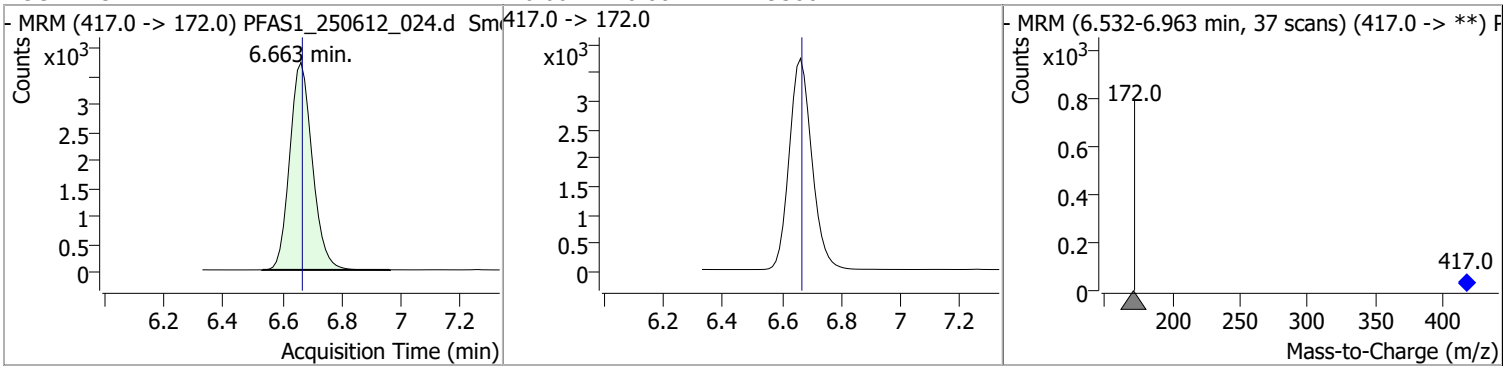
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
6-2 FTSA	0.7447	6.46	0.00	8275	427.0 -> 81.0	25.1	17.7	32.8



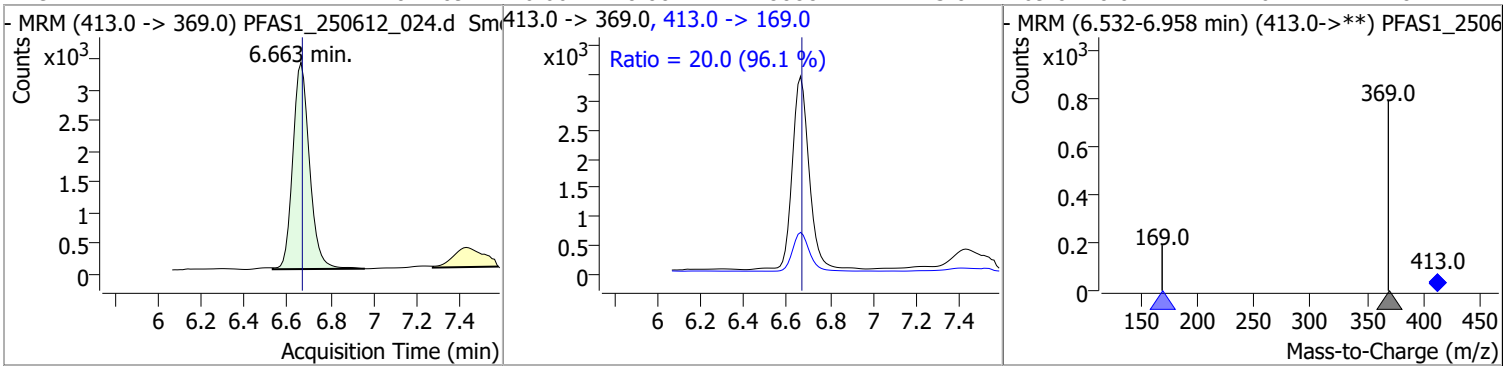
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOA	2.6112	6.66	0.00	228947				



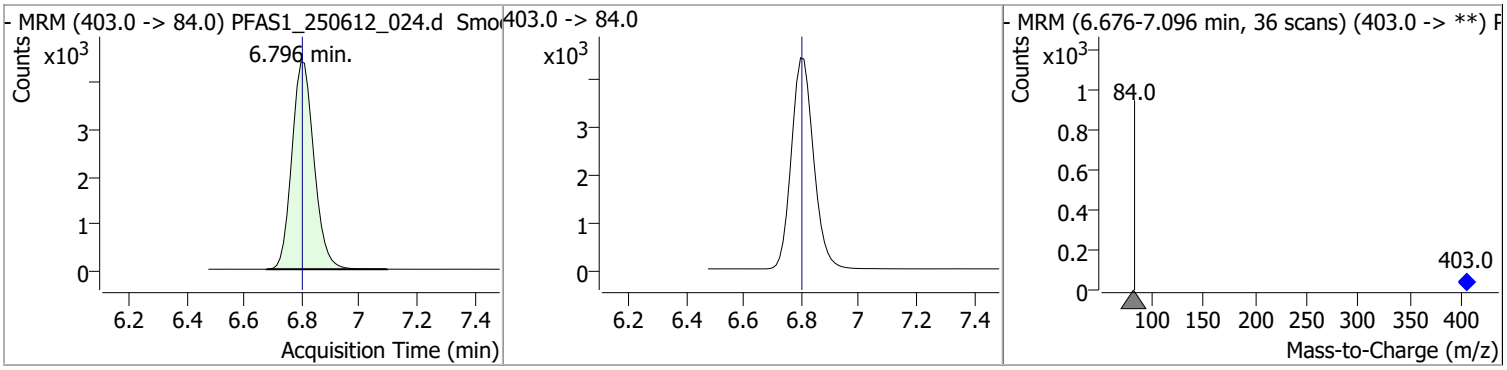
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOA		6.66	0.00	19580				



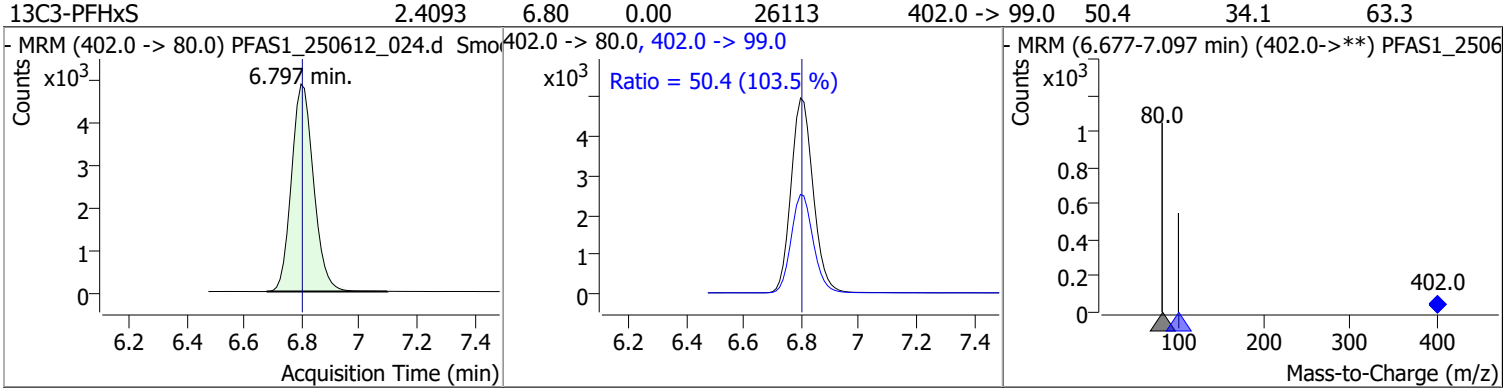
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOA	0.2109	6.66	0.00	18088	413.0 -> 169.0	20.0	14.6	27.0



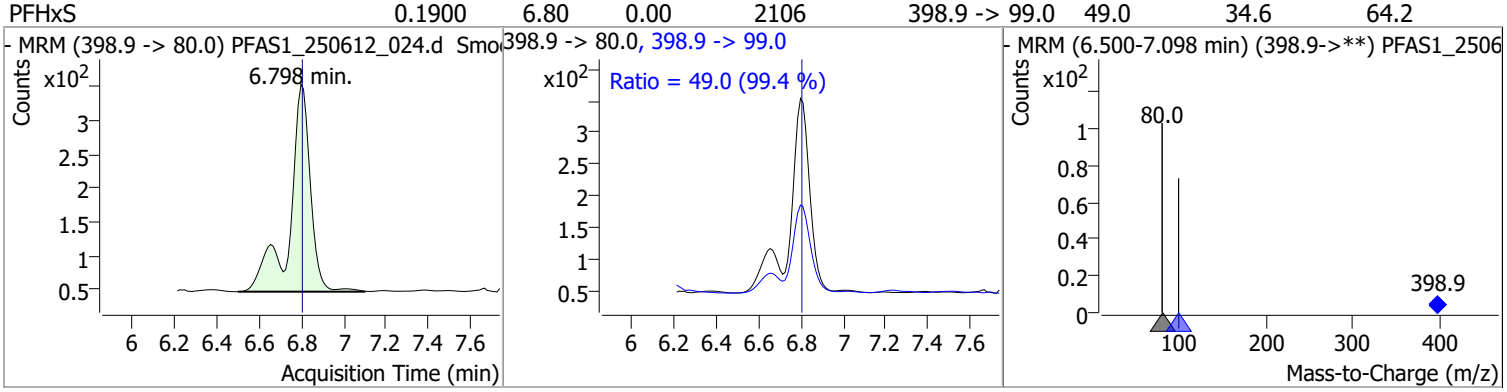
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
18O2-PFHxS		6.80	0.00	23610				



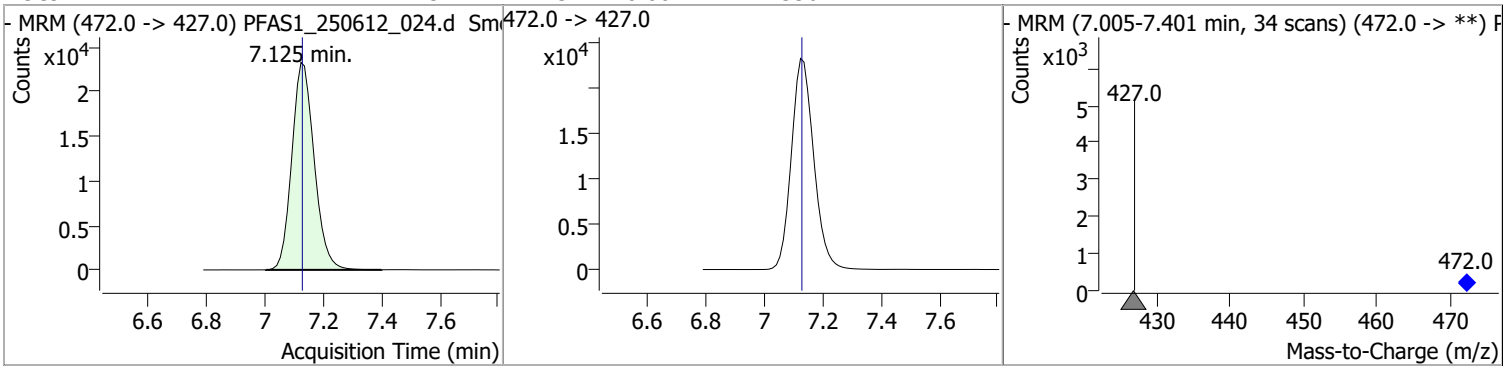
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C3-PFHxS	2.4093	6.80	0.00	26113	402.0 -> 99.0	50.4	34.1	63.3



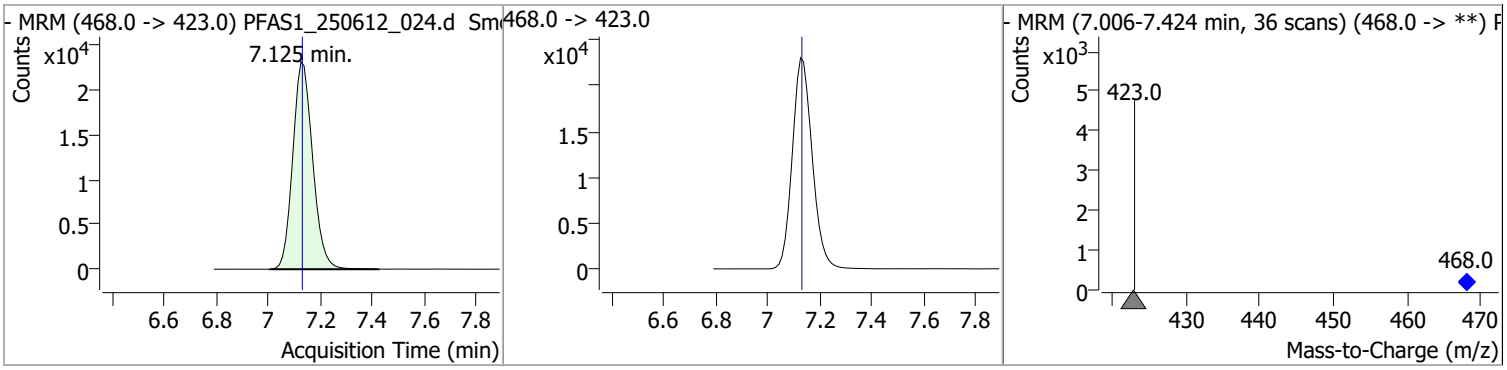
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHxS	0.1900	6.80	0.00	2106	398.9 -> 99.0	49.0	34.6	64.2



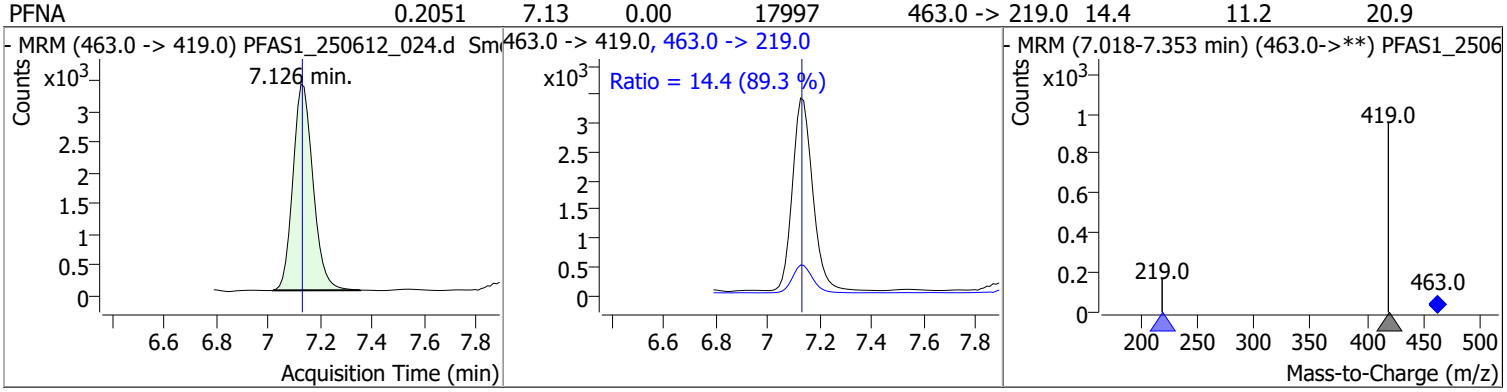
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C9-PFNA	1.2374	7.13	0.00	123562				



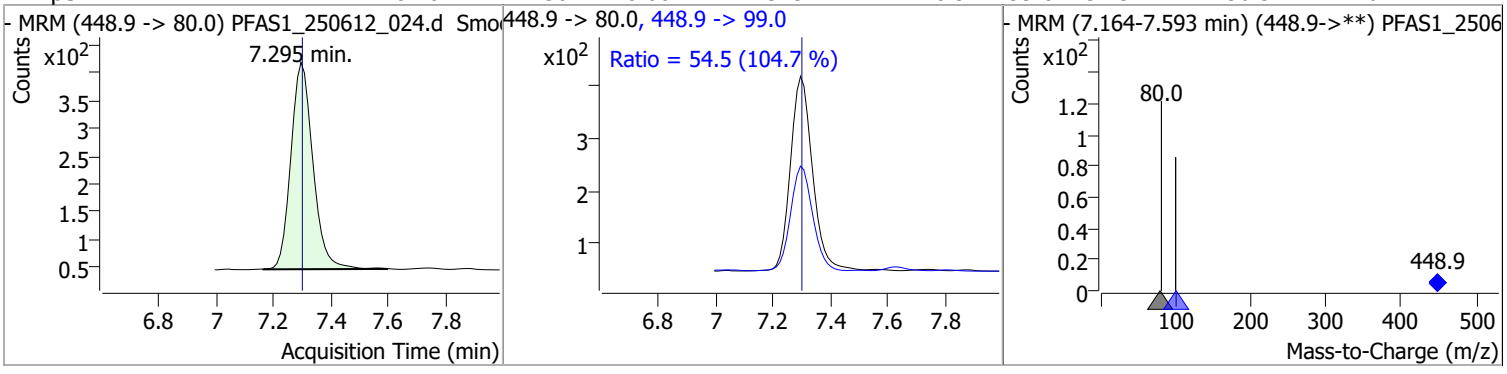
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C5-PFNA		7.13	0.00	121776				



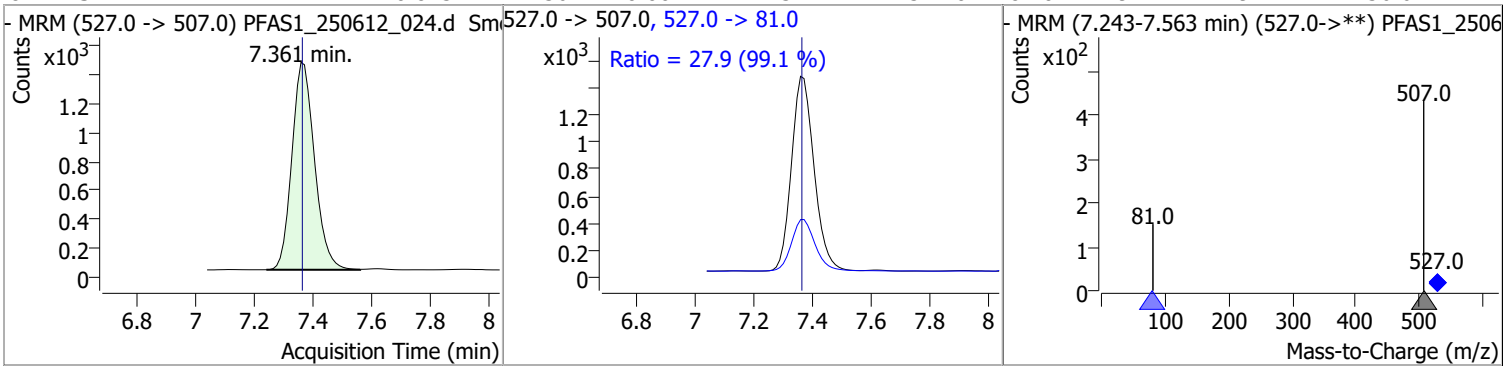
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNA	0.2051	7.13	0.00	17997	463.0 -> 219.0	14.4	11.2	20.9



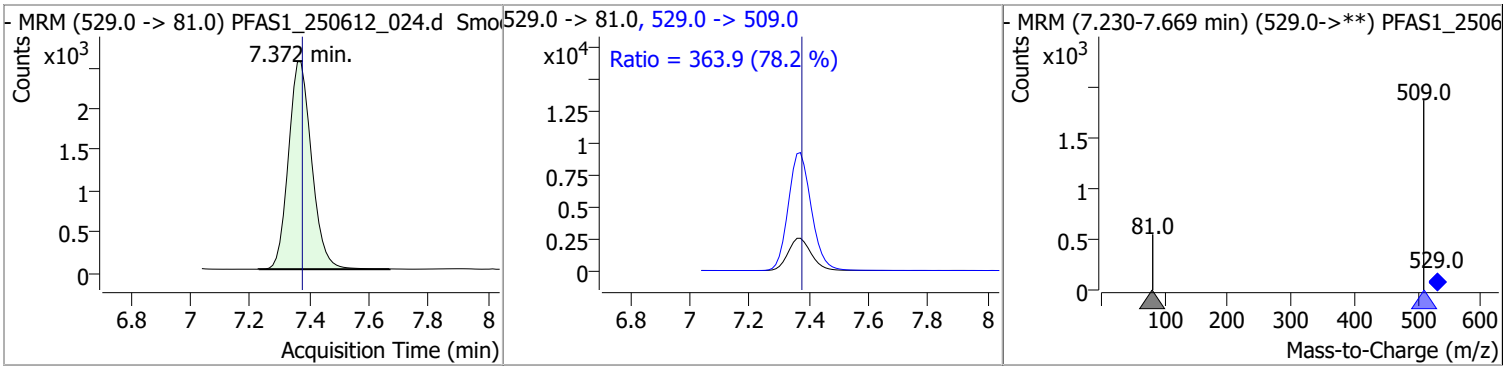
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFHpS	0.1842	7.30	0.00	1979	448.9 -> 99.0	54.5	36.5	67.7



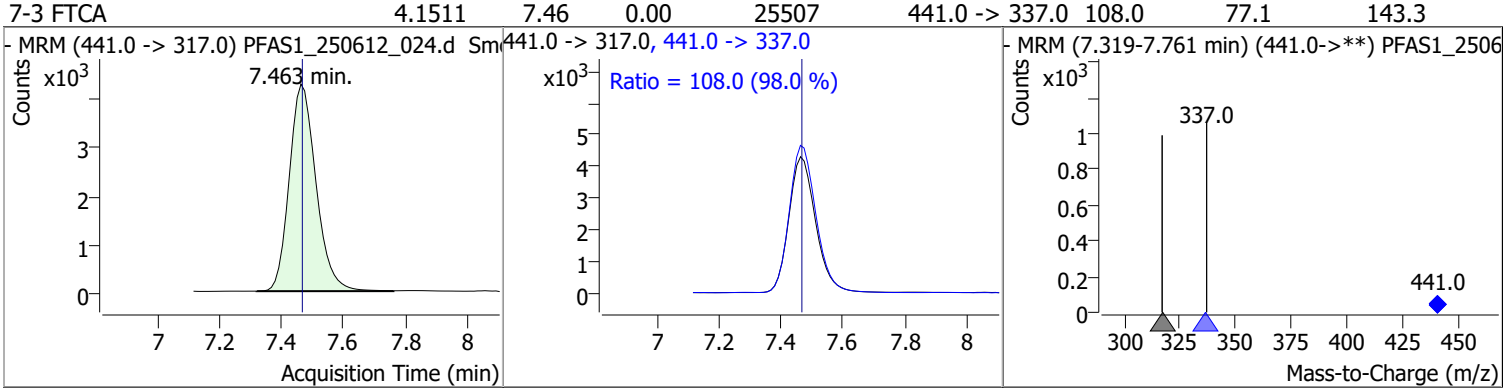
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
8-2 FTSA	0.8134	7.36	0.00	7731	527.0 -> 81.0	27.9	19.7	36.6



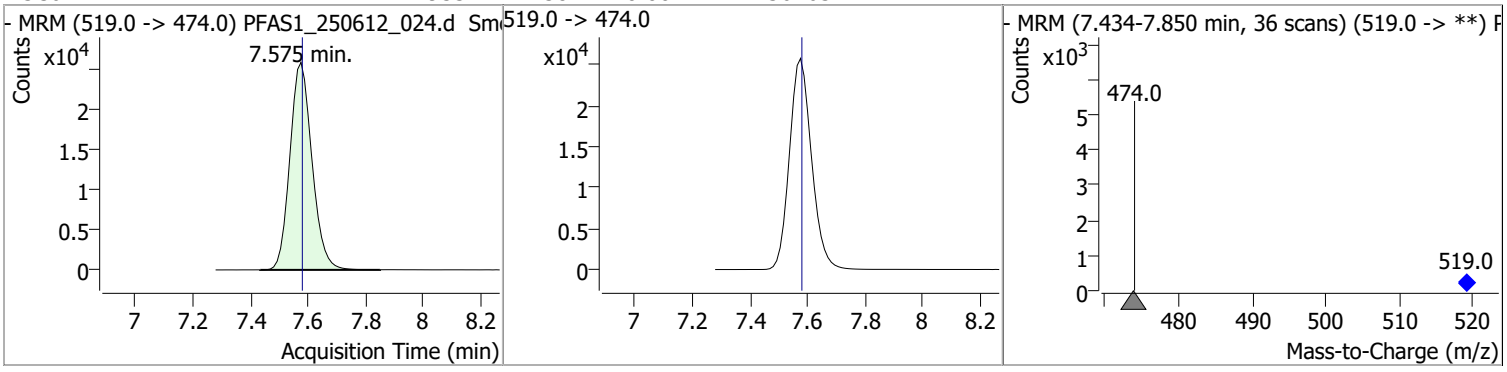
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-8-2 FTSA	5.5111	7.37	0.00	13621	529.0 -> 509.0	363.9	325.6	604.6



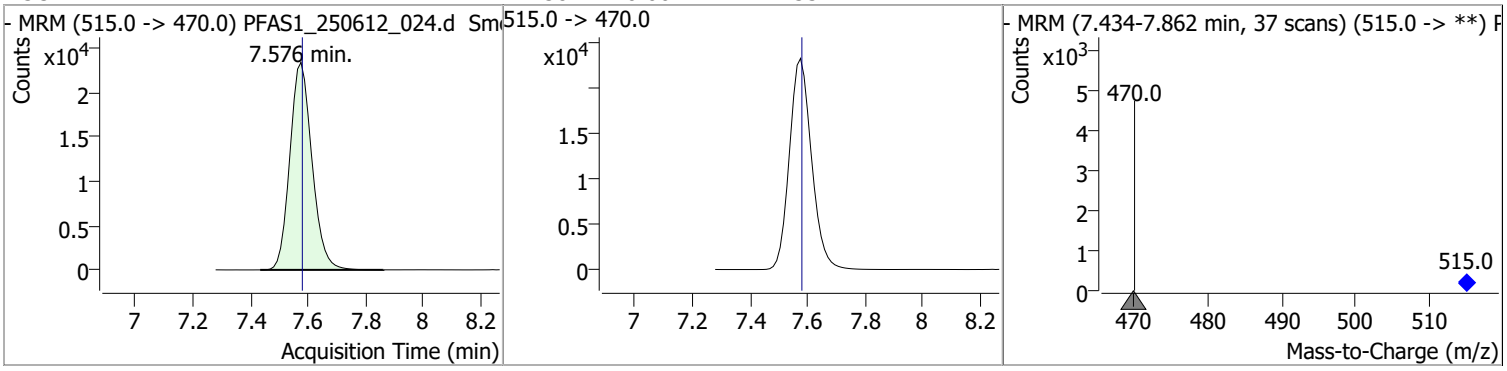
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
7-3 FTCA	4.1511	7.46	0.00	25507	441.0 -> 337.0	108.0	77.1	143.3



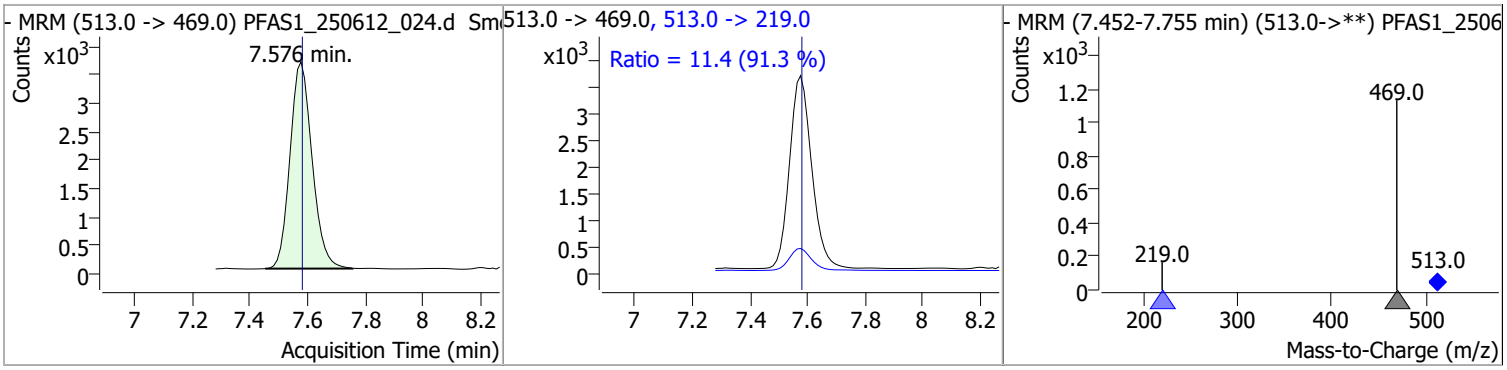
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C6-PFDA	1.2953	7.58	0.00	136763				



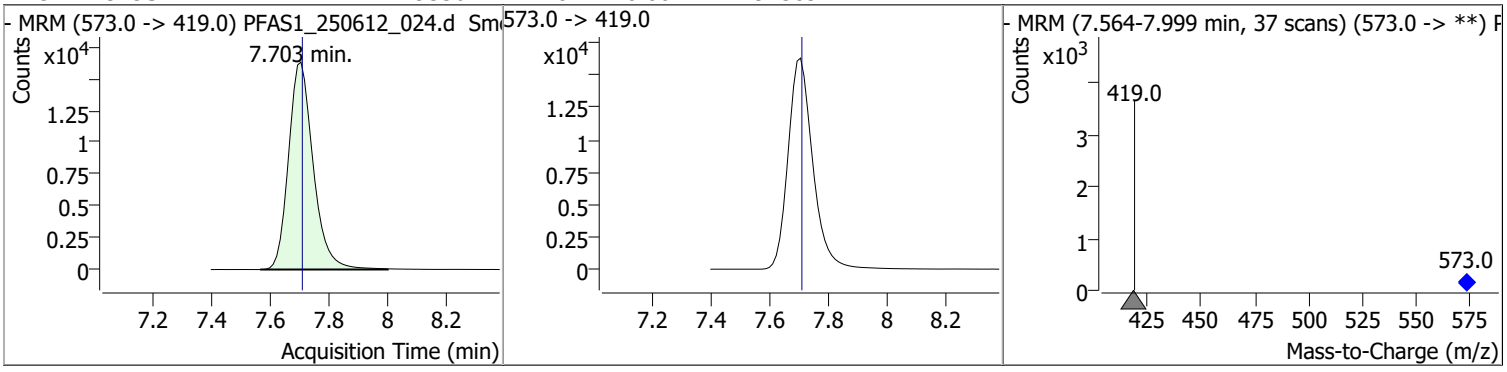
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDA		7.58	0.00	124337				



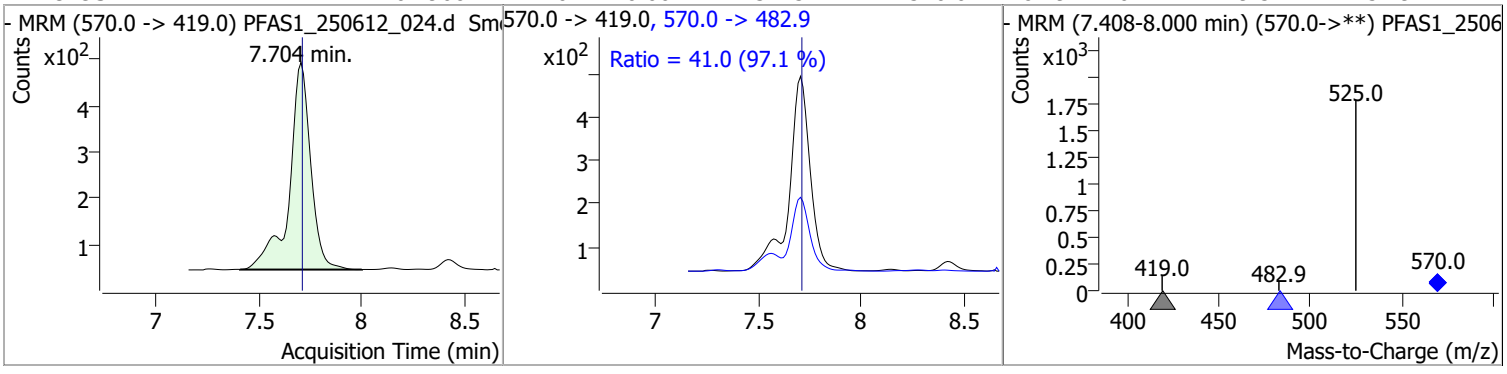
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDA	0.2018	7.58	0.00	19363	513.0 -> 219.0	11.4	8.7	16.2



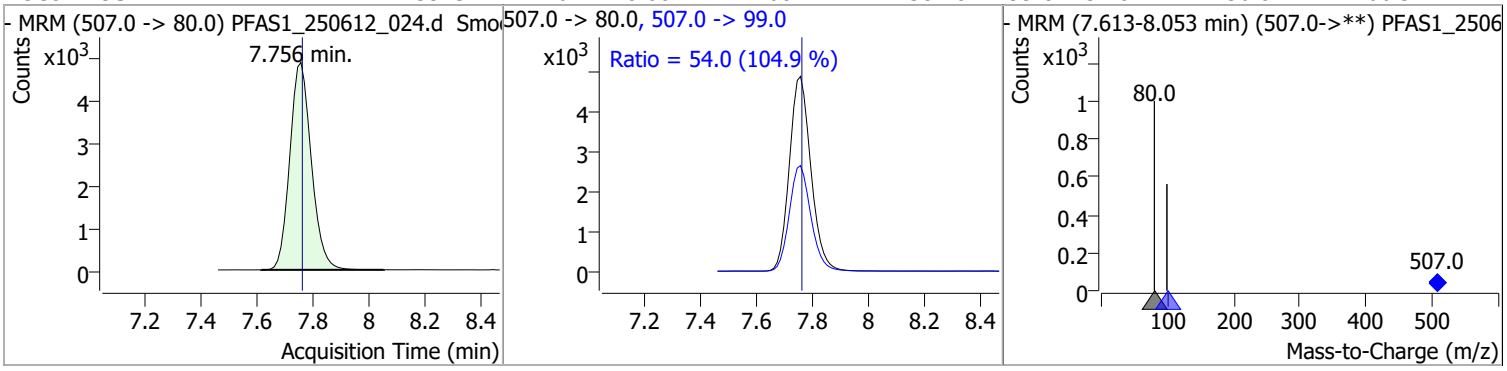
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSAA	4.9336	7.70	0.00	94589				



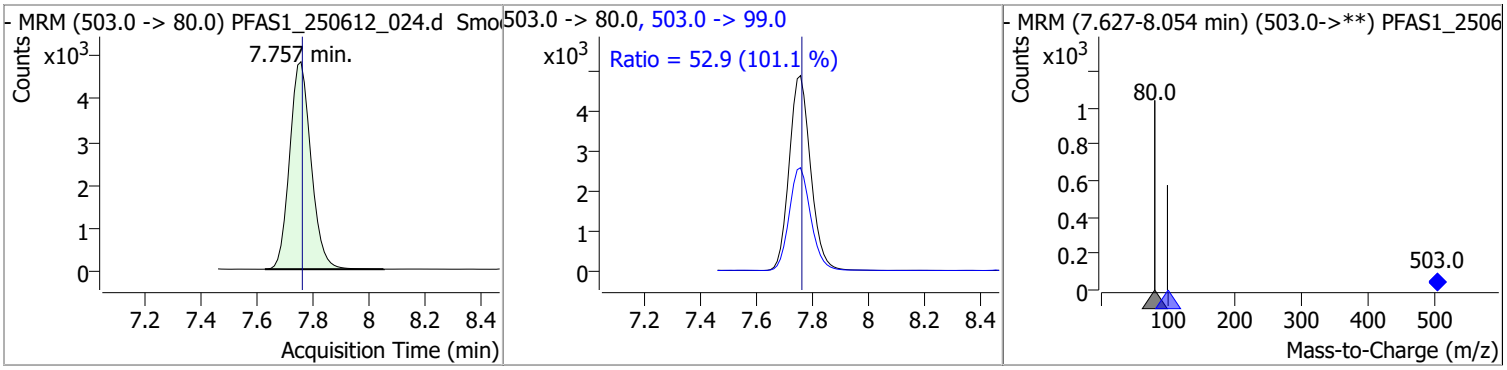
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSAA	0.1908	7.70	0.00	3225	570.0 -> 482.9	41.0	29.5	54.9



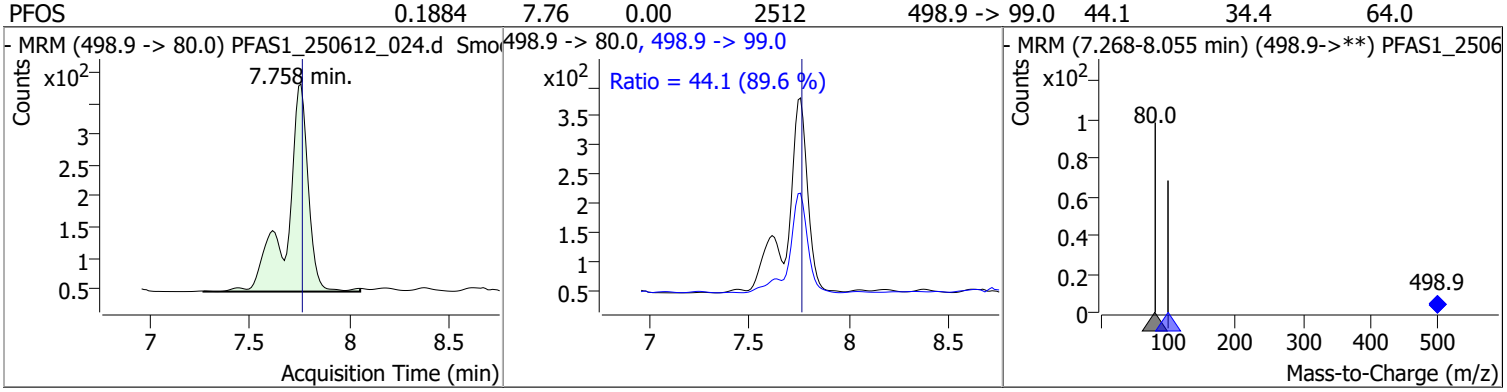
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOS	2.5575	7.76	0.00	26024	507.0 -> 99.0	54.0	36.0	66.9



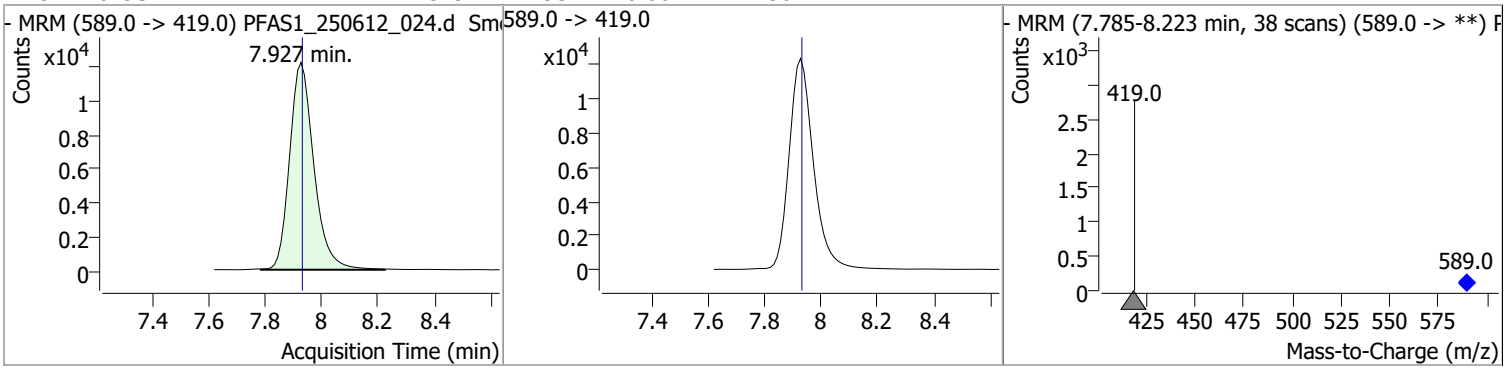
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C4-PFOS		7.76	0.00	25677	503.0 -> 99.0	52.9	36.6	67.9



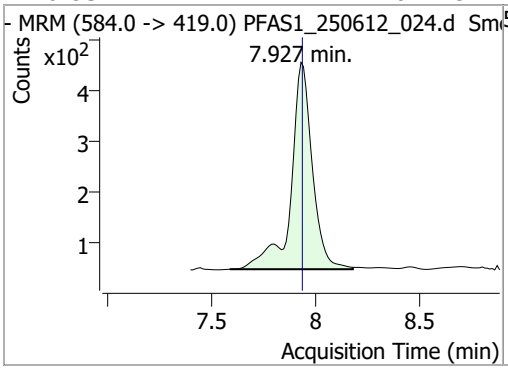
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOS	0.1884	7.76	0.00	2512	498.9 -> 99.0	44.1	34.4	64.0

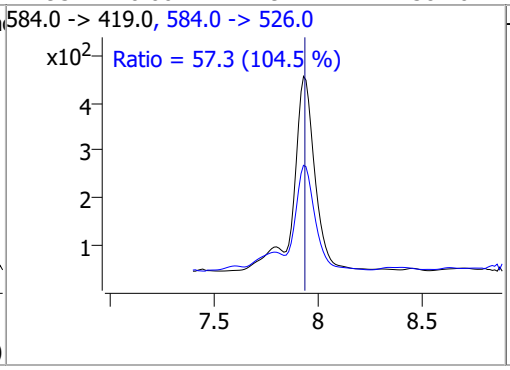


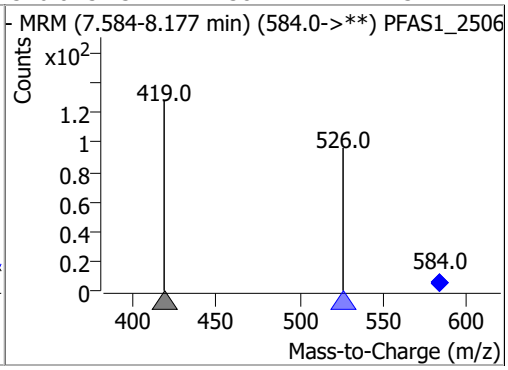
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSAA	4.7529	7.93	0.00	73021				



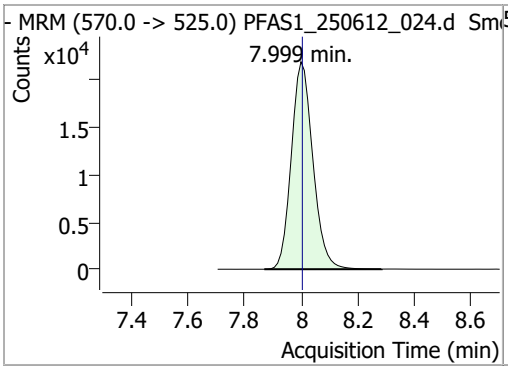
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSAA	0.2173	7.93	0.00	2927	584.0 -> 526.0	57.3	38.4	71.3

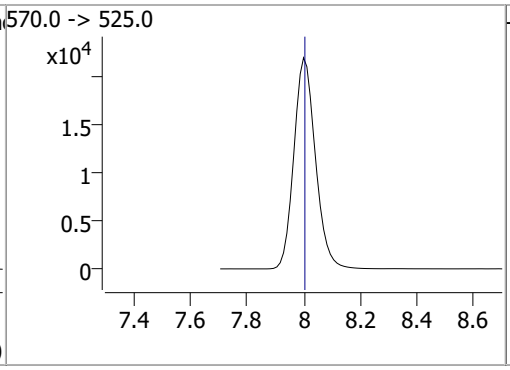


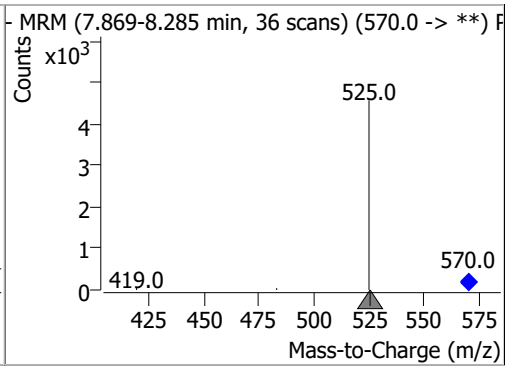




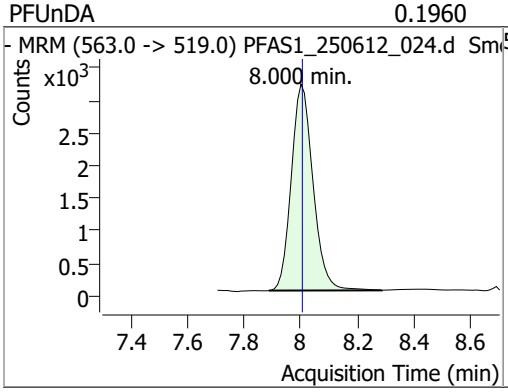
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C7-PFUnDA	1.2646	8.00	0.00	115931				

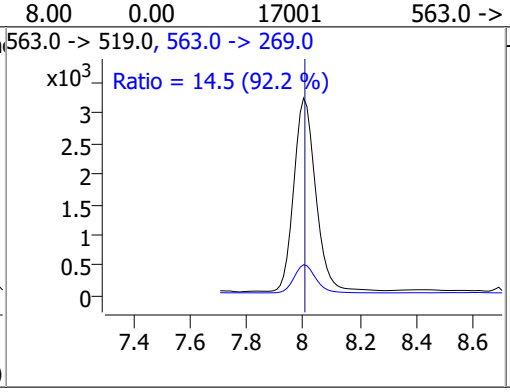


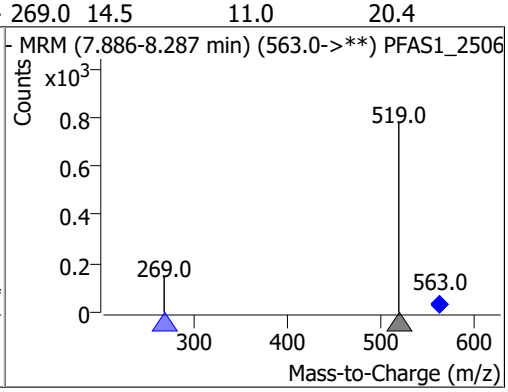




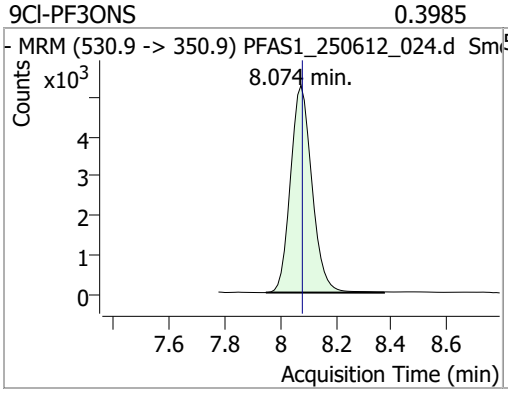
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFUnDA	0.1960	8.00	0.00	17001	563.0 -> 269.0	14.5	11.0	20.4

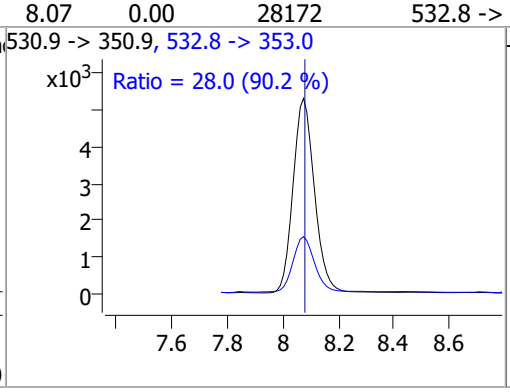


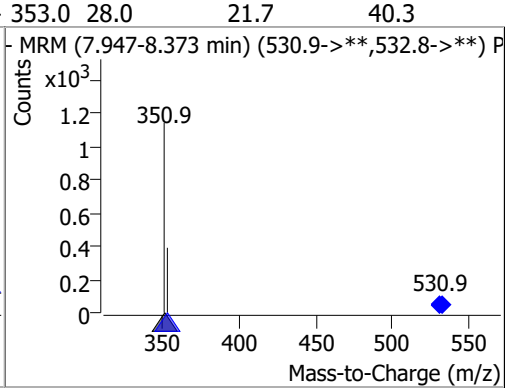




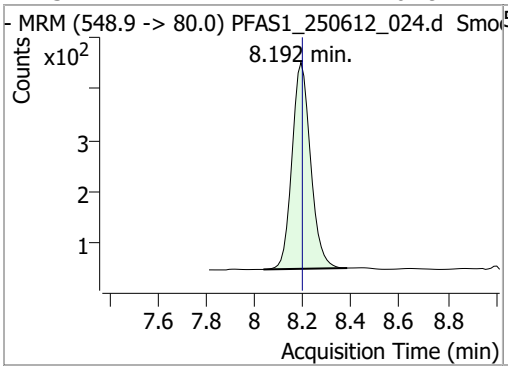
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
9Cl-PF3ONS	0.3985	8.07	0.00	28172	532.8 -> 353.0	28.0	21.7	40.3

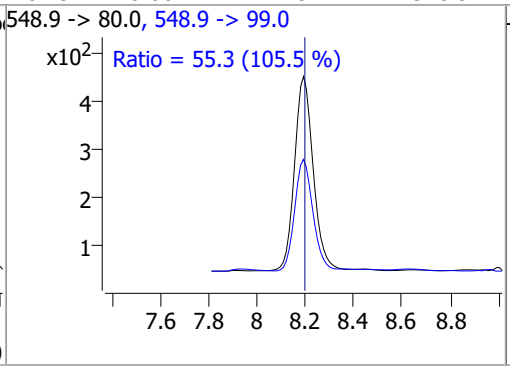


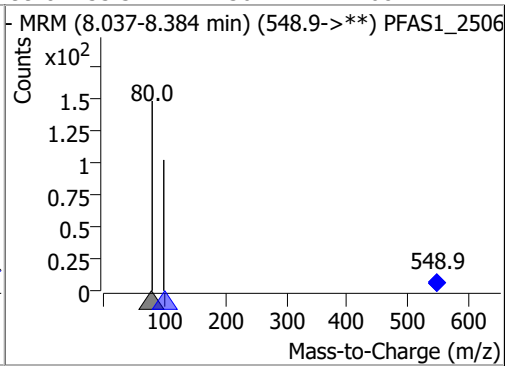




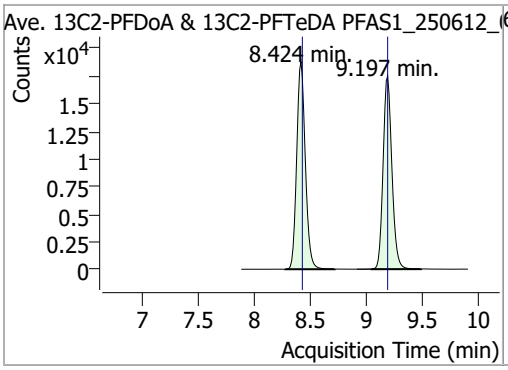
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFNS	0.1942	8.19	0.00	2173	548.9 -> 99.0	55.3	36.7	68.1

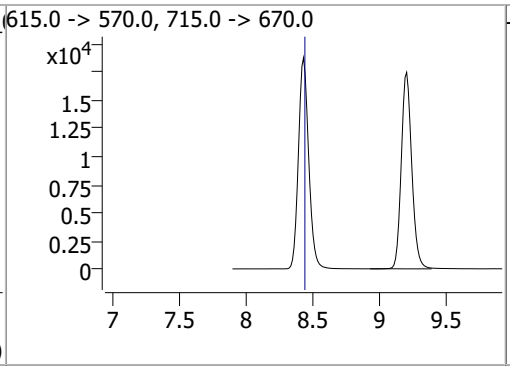


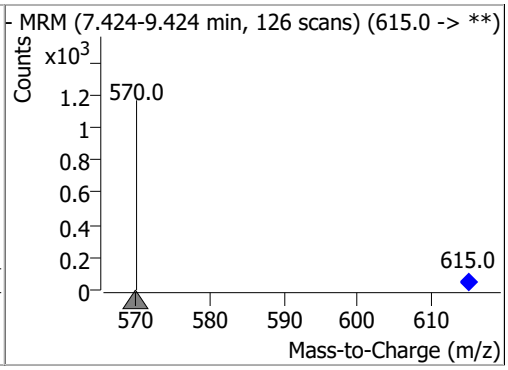




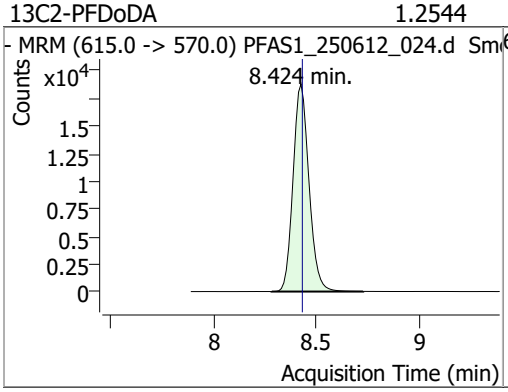
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ave. 13C2-PFDoA & 13C2-PFTeDA	1.2398	8.81	0.39	97652				

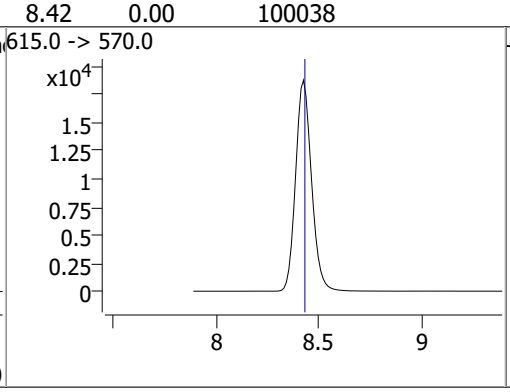


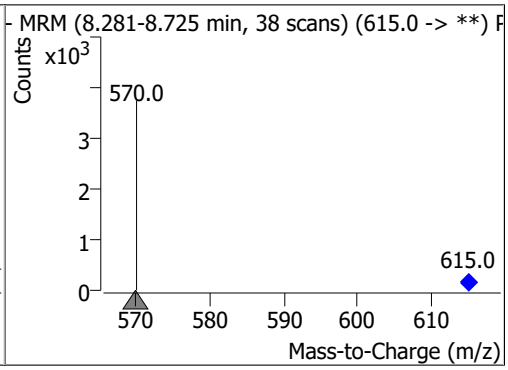




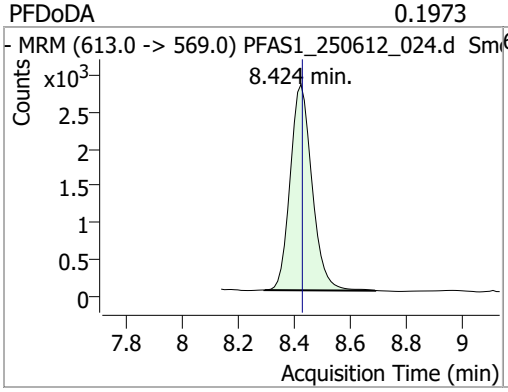
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFDoDA	1.2544	8.42	0.00	100038				

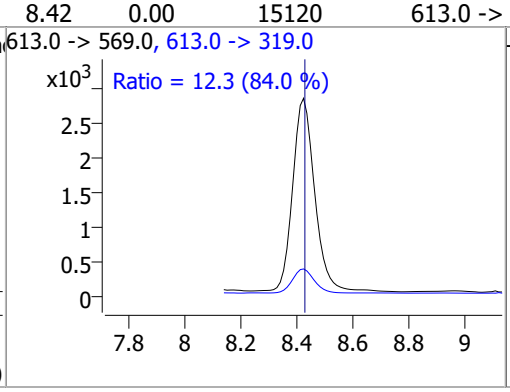


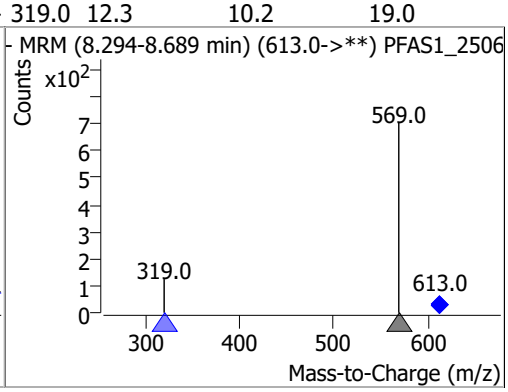




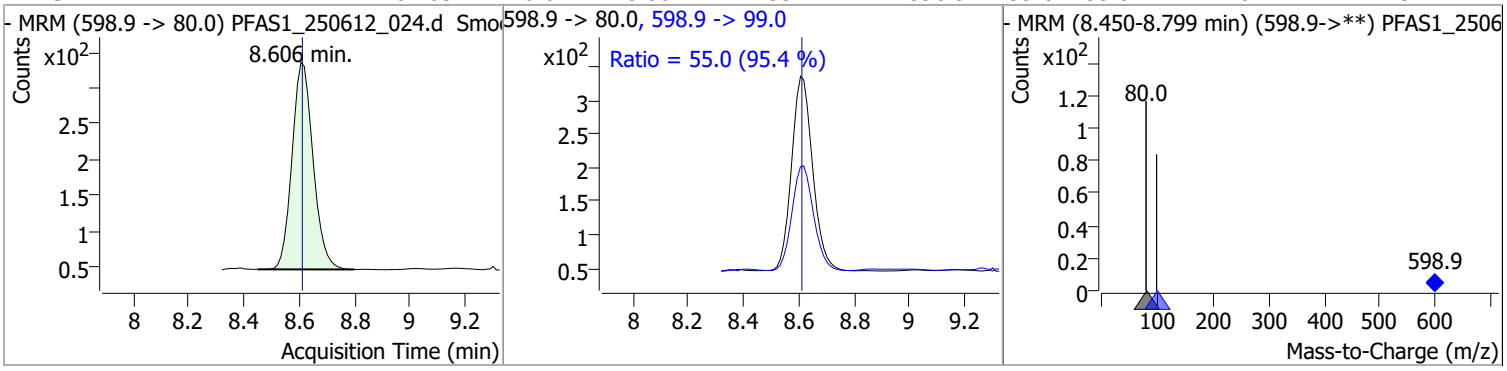
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoDA	0.1973	8.42	0.00	15120	613.0 -> 319.0	12.3	10.2	19.0



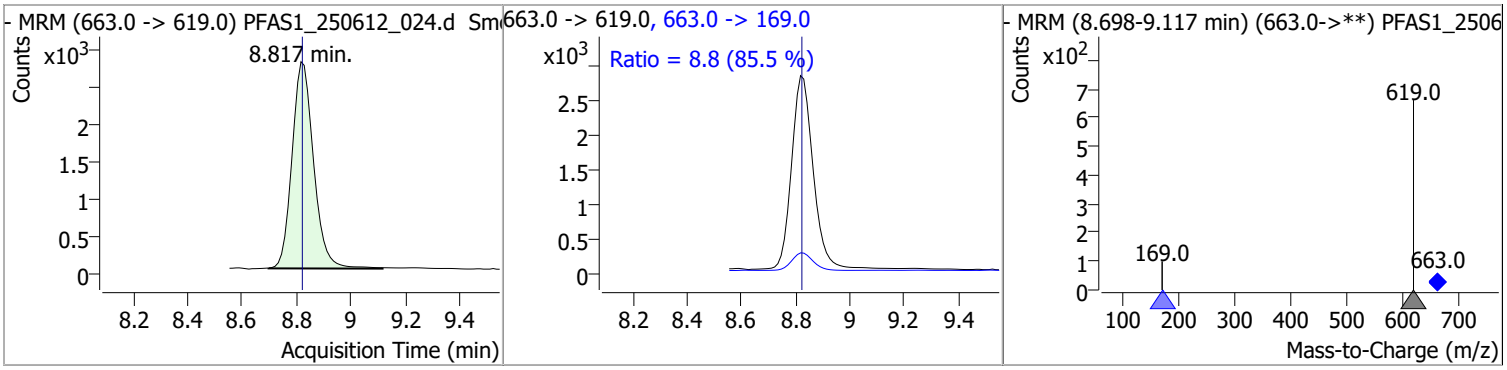




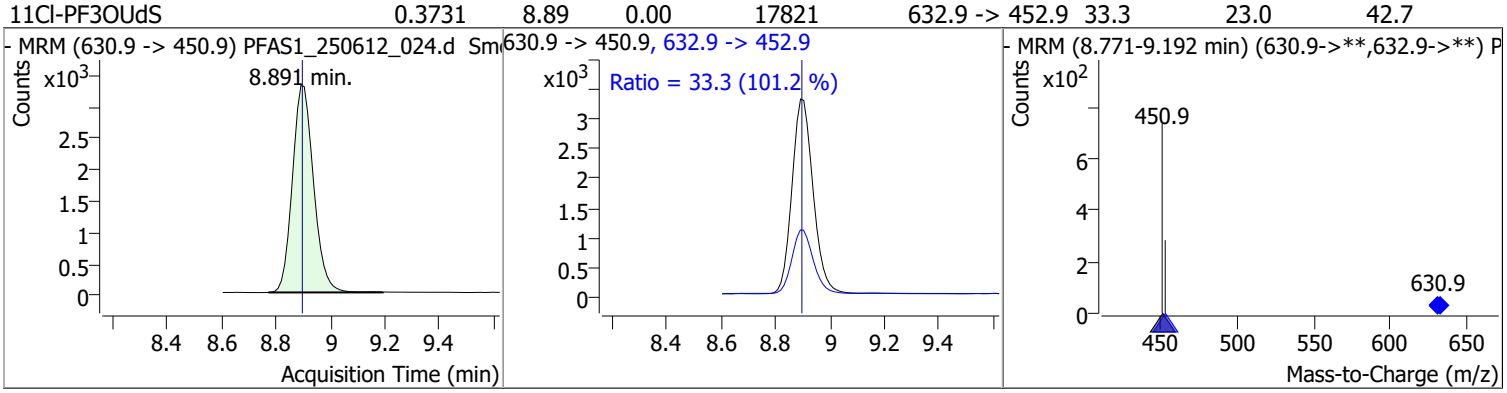
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDS	0.1852	8.61	0.00	1531	598.9 -> 99.0	55.0	40.4	74.9



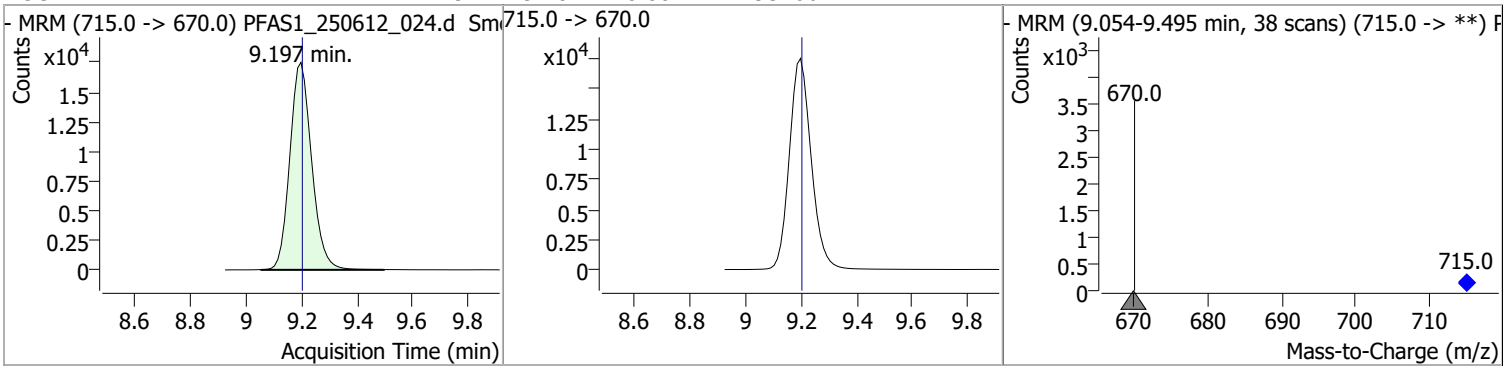
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTrDA	0.2121	8.82	0.00	15276	663.0 -> 169.0	8.8	7.2	13.4



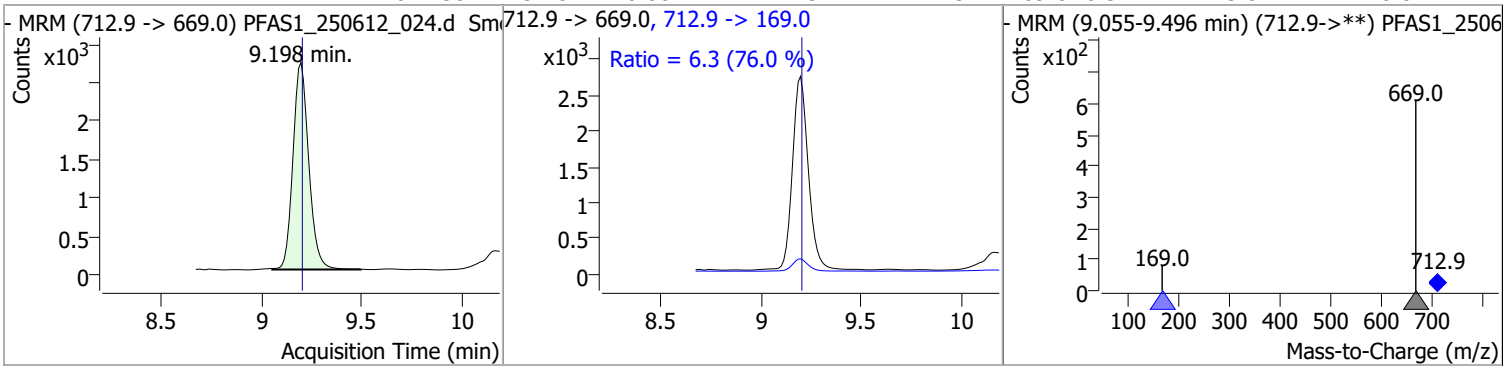
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
11Cl-PF3OUdS	0.3731	8.89	0.00	17821	632.9 -> 452.9	33.3	23.0	42.7



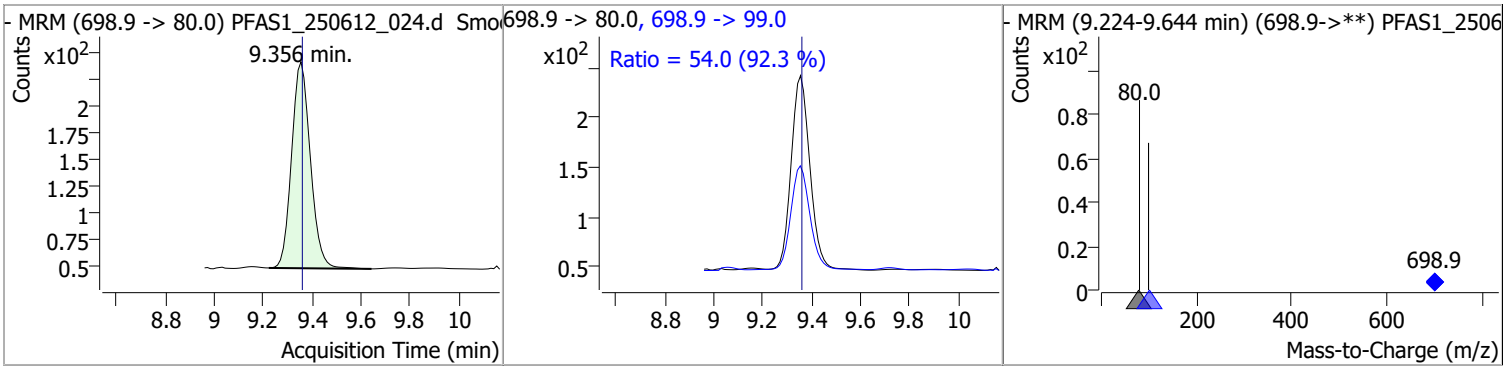
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C2-PFTDA	1.2249	9.20	0.00	95266				



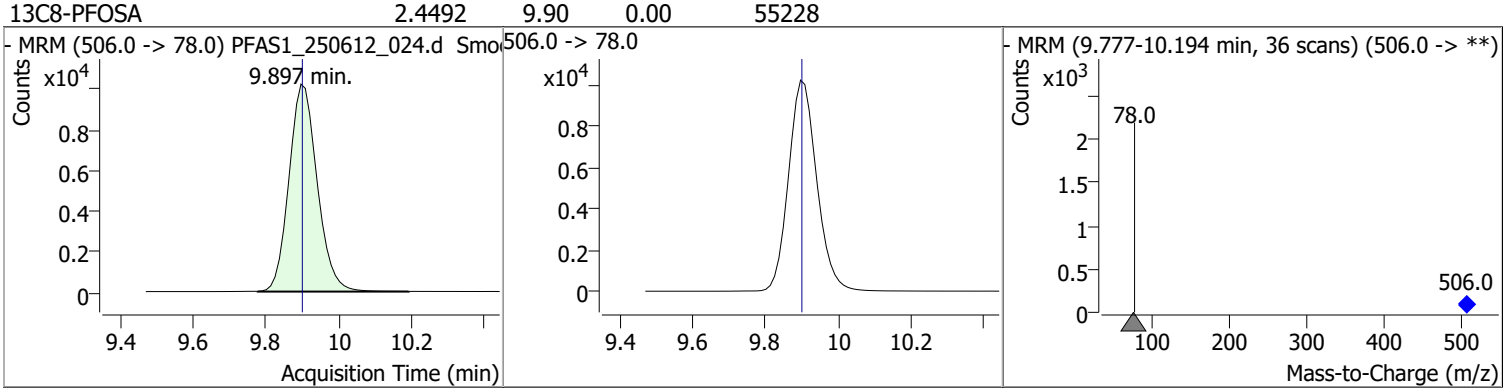
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFTDA	0.2158	9.20	0.00	14743	712.9 -> 169.0	6.3	5.8	10.8



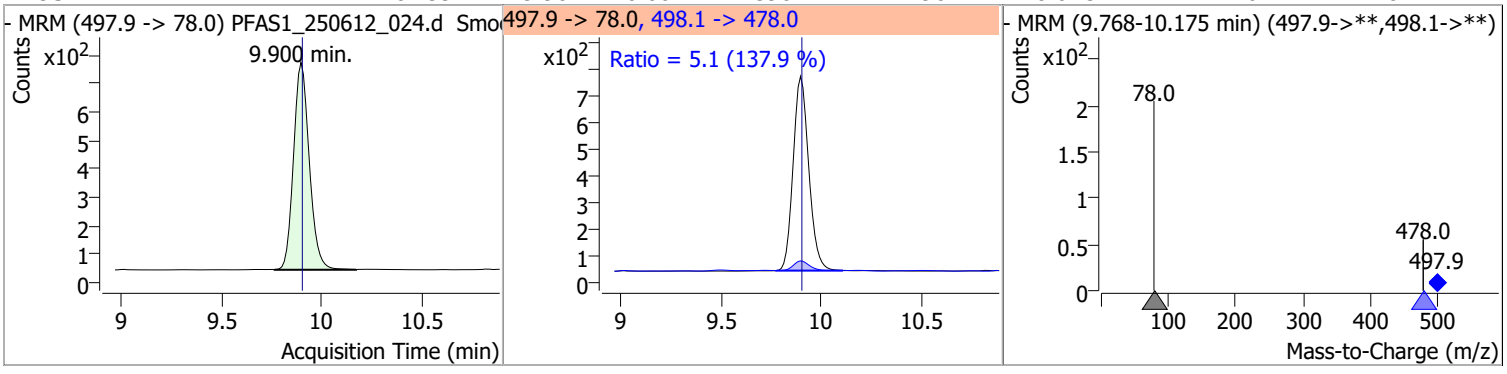
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFDoS	0.1947	9.36	0.00	1044	698.9 -> 99.0	54.0	41.0	76.1



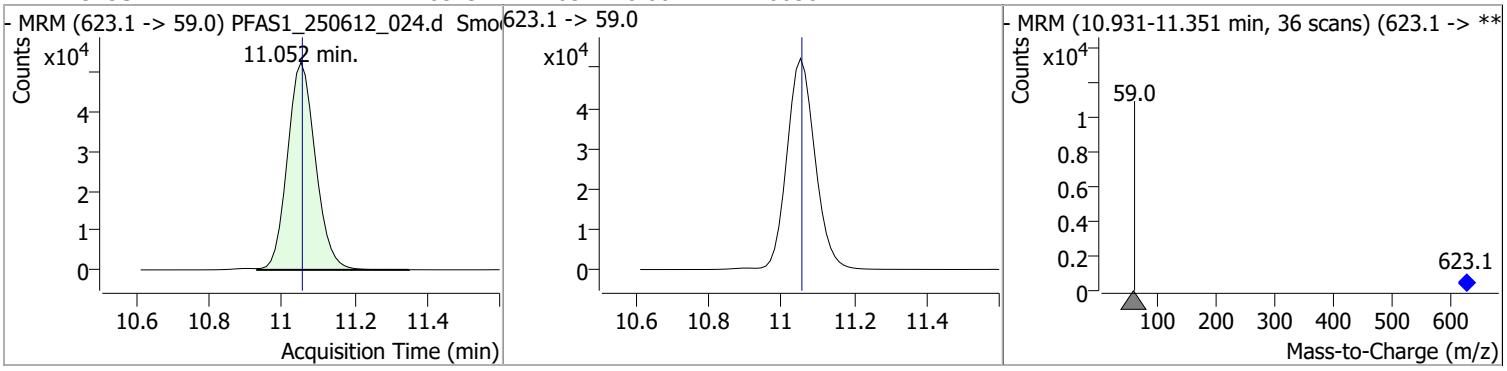
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
13C8-PFOSA	2.4492	9.90	0.00	55228				



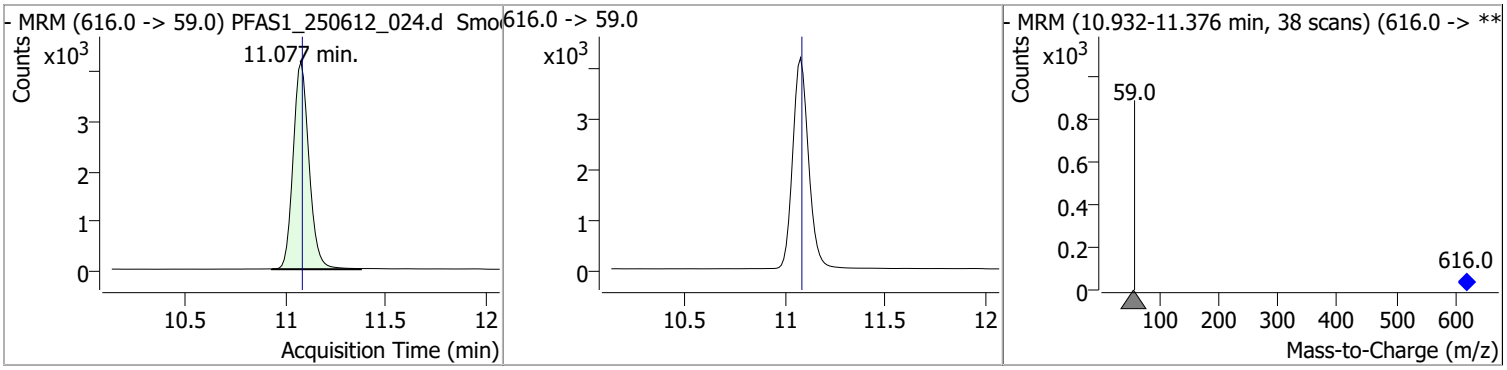
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
PFOSA	0.1994	9.90	0.00	3982	498.1 -> 478.0	5.1	2.6	4.8



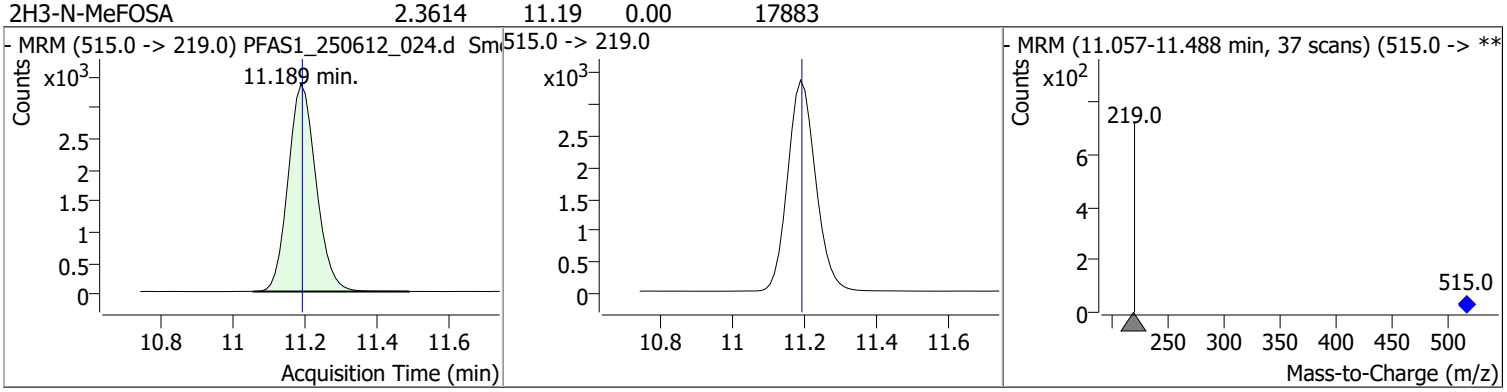
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H7-MeFOSE	24.8349	11.05	0.00	280582				



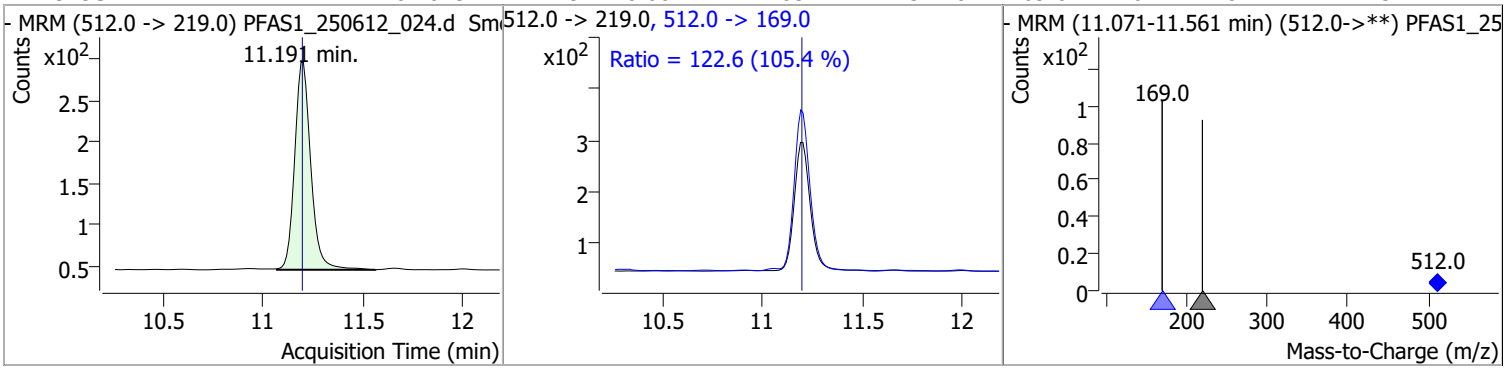
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
MeFOSE	2.0518	11.08	0.00	22835				



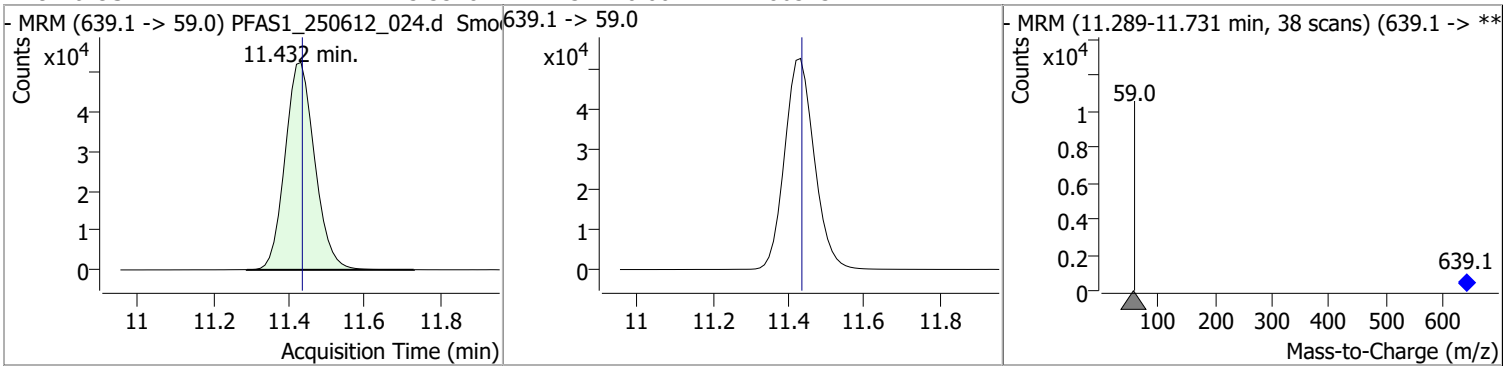
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H3-N-MeFOSA	2.3614	11.19	0.00	17883				



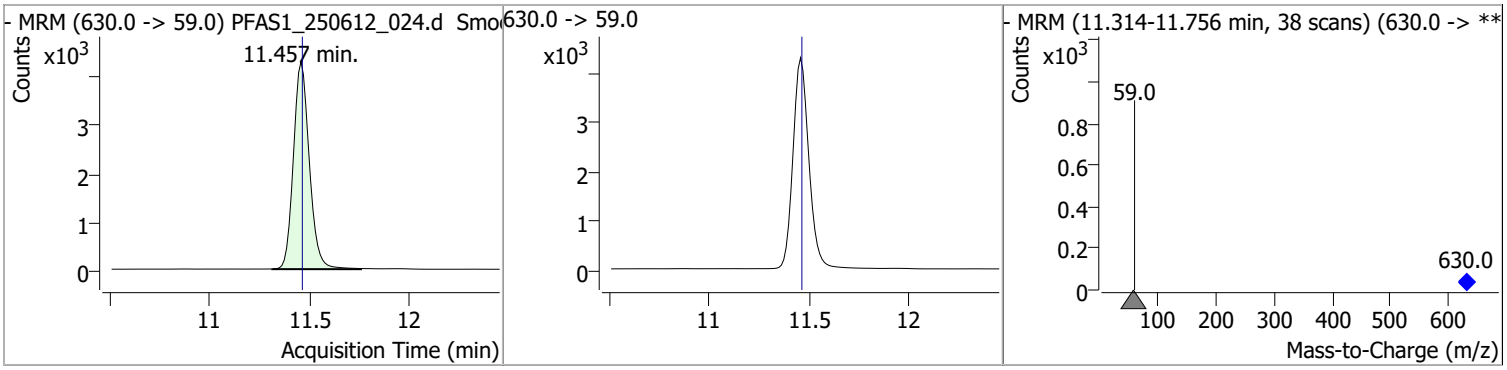
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-MeFOSA	0.2015	11.19	0.00	1405	512.0 -> 169.0	122.6	81.4	151.2



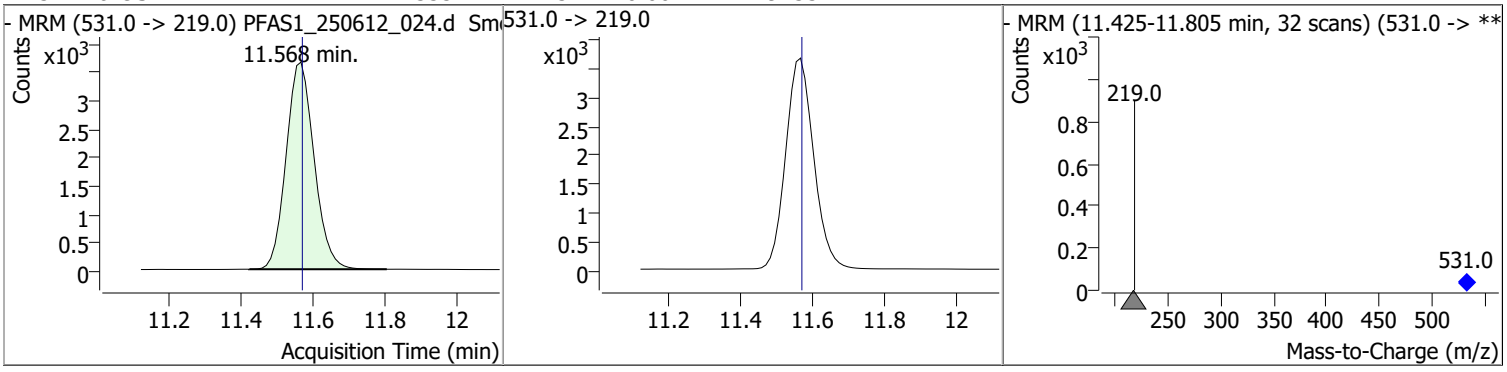
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H9-EtFOSE	25.3518	11.43	0.00	286523				



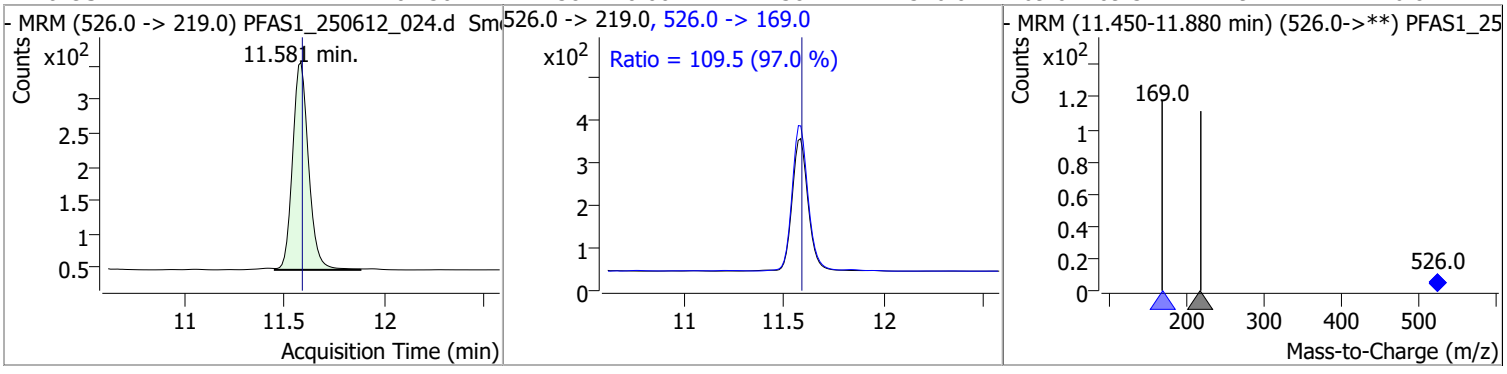
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
EtFOSE	2.0004	11.46	0.00	23531				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2H5-N-EtFOSA	2.3354	11.57	0.00	19433				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-EtFOSA	0.2301	11.58	0.00	1738	526.0 -> 169.0	109.5	79.1	146.8



INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0485 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
ICV (S25F0485-ICV1)			*Lab File ID: PFAS1_250612_022.d*			*Analyzed: 06/12/25 18:23*			
13C3-PFBA	166767.8	3.11075	168299.5	3.11075	99	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	186659.2	5.47885	188356.5	5.47885	99	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21111.37	6.6626	21567.09	6.6626	98	30 - 150	0.0000	+/-0.10	
13C5-PFNA	126276.8	7.125467	124288.7	7.137283	102	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	131603.7	7.5756	131564.9	7.5756	100	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24438.05	6.796233	24790.68	6.808084	99	30 - 150	-0.0119	+/-0.10	
13C4-PFOS	26052.6	7.7568	26063.98	7.7568	100	30 - 150	0.0000	+/-0.10	

* Values outside of QC limits

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0493 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CCV (S25F0493-CCV1)			*Lab File ID: PFAS1_250612_025.d*		*Analyzed: 06/12/25 18:35*				
13C3-PFBA	158177.3	3.09875	168299.5	3.11075	94	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	178675.5	5.47885	188356.5	5.47885	95	30 - 150	0.0000	+/-0.10	
13C4-PFOA	20195.16	6.6626	21567.09	6.6626	94	30 - 150	0.0000	+/-0.10	
13C5-PFNA	119678	7.125467	124288.7	7.137283	96	30 - 150	-0.0118	+/-0.10	
13C2-PFDA	125131.4	7.5756	131564.9	7.5756	95	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	23500.41	6.796233	24790.68	6.808084	95	30 - 150	-0.0119	+/-0.10	
13C4-PFOS	24965.76	7.7568	26063.98	7.7568	96	30 - 150	0.0000	+/-0.10	
CCB (S25F0493-CCB1)			*Lab File ID: PFAS1_250612_023.d*		*Analyzed: 06/12/25 18:40*				
13C3-PFBA	178674.8	3.09875	158177.3	3.09875	113	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	191347.3	5.47885	178675.5	5.47885	107	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21075.91	6.662583	20195.16	6.6626	104	30 - 150	0.0000	+/-0.10	
13C5-PFNA	130789.3	7.137283	119678	7.125467	109	30 - 150	0.0118	+/-0.10	
13C2-PFDA	132380.8	7.5756	125131.4	7.5756	106	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25087.48	6.808084	23500.41	6.796233	107	30 - 150	0.0119	+/-0.10	
13C4-PFOS	26845.12	7.7568	24965.76	7.7568	108	30 - 150	0.0000	+/-0.10	
LCV (S25F0493-LCV1)			*Lab File ID: PFAS1_250612_024.d*		*Analyzed: 06/12/25 18:58*				
13C3-PFBA	166345.9	3.09875	158177.3	3.09875	105	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	179627.4	5.47885	178675.5	5.47885	101	30 - 150	0.0000	+/-0.10	
13C4-PFOA	19580.07	6.6626	20195.16	6.6626	97	30 - 150	0.0000	+/-0.10	
13C5-PFNA	121776.1	7.125467	119678	7.125467	102	30 - 150	0.0000	+/-0.10	
13C2-PFDA	124336.6	7.5756	125131.4	7.5756	99	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	23610.28	6.796233	23500.41	6.796233	100	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25677.36	7.7568	24965.76	7.7568	103	30 - 150	0.0000	+/-0.10	
CCV (S25F0493-CCV2)			*Lab File ID: PFAS1_250612_025.d*		*Analyzed: 06/12/25 19:15*				
13C3-PFBA	166660.9	3.09875	158177.3	3.09875	105	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	184793.6	5.47885	178675.5	5.47885	103	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21638.81	6.6626	20195.16	6.6626	107	30 - 150	0.0000	+/-0.10	
13C5-PFNA	125843.5	7.125467	119678	7.125467	105	30 - 150	0.0000	+/-0.10	
13C2-PFDA	127428.4	7.5756	125131.4	7.5756	102	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24128.99	6.796233	23500.41	6.796233	103	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25756.05	7.7568	24965.76	7.7568	103	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0493 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
IFB (S25F0493-IFB1)			*Lab File ID: PFAS1_250612_026.d*			*Analyzed: 06/12/25 19:33*			
13C3-PFBA	66.99423	3.33865	166660.9	3.09875	0	30 - 150	0.2399	+/-0.10	*
13C2-PFHxA	35.40363	5.4907	184793.6	5.47885	0	30 - 150	0.0118	+/-0.10	*
13C4-PFOA	12.8062	6.650733	21638.81	6.6626	0	30 - 150	-0.0119	+/-0.10	*
13C5-PFNA	49.24061	7.293417	125843.5	7.125467	0	30 - 150	0.1679	+/-0.10	*
13C2-PFDA	11.7597	7.623483	127428.4	7.5756	0	30 - 150	0.0479	+/-0.10	*
18O2-PFHxS	7.299273	6.723484	24128.99	6.796233	0	30 - 150	-0.0727	+/-0.10	*
13C4-PFOS	2.975471	7.6613	25756.05	7.7568	0	30 - 150	-0.0955	+/-0.10	*
IFA (S25F0493-IFA1)			*Lab File ID: PFAS1_250612_027.d*			*Analyzed: 06/12/25 19:50*			
13C3-PFBA			166660.9	3.09875		30 - 150	-3.0988	+/-0.10	*
13C2-PFHxA			184793.6	5.47885		30 - 150	-5.4789	+/-0.10	*
13C4-PFOA			21638.81	6.6626		30 - 150	-6.6626	+/-0.10	*
13C5-PFNA			125843.5	7.125467		30 - 150	-7.1255	+/-0.10	*
13C2-PFDA			127428.4	7.5756		30 - 150	-7.5756	+/-0.10	*
18O2-PFHxS			24128.99	6.796233		30 - 150	-6.7962	+/-0.10	*
13C4-PFOS			25756.05	7.7568		30 - 150	-7.7568	+/-0.10	*
CCB (S25F0493-CCB2)			*Lab File ID: PFAS1_250612_028.d*			*Analyzed: 06/12/25 20:08*			
13C3-PFBA	179850.8	3.09875	166660.9	3.09875	108	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	198242.4	5.47885	184793.6	5.47885	107	30 - 150	0.0000	+/-0.10	
13C4-PFOA	22217.19	6.6626	21638.81	6.6626	103	30 - 150	0.0000	+/-0.10	
13C5-PFNA	131971.4	7.125467	125843.5	7.125467	105	30 - 150	0.0000	+/-0.10	
13C2-PFDA	138304.2	7.5756	127428.4	7.5756	109	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25698.56	6.808084	24128.99	6.796233	107	30 - 150	0.0119	+/-0.10	
13C4-PFOS	26465.4	7.7568	25756.05	7.7568	103	30 - 150	0.0000	+/-0.10	
BLK (B25F0614-BLK1)			*Lab File ID: PFAS1_250612_029.d*			*Analyzed: 06/12/25 20:26*			
13C3-PFBA	168590.2	3.11075	166660.9	3.09875	101	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	183900.7	5.4907	184793.6	5.47885	100	30 - 150	0.0118	+/-0.10	
13C4-PFOA	21228.38	6.6626	21638.81	6.6626	98	30 - 150	0.0000	+/-0.10	
13C5-PFNA	124184.3	7.125467	125843.5	7.125467	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	126826.4	7.5756	127428.4	7.5756	100	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	23833.56	6.808084	24128.99	6.796233	99	30 - 150	0.0119	+/-0.10	
13C4-PFOS	25825.25	7.7568	25756.05	7.7568	100	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0493 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
BS (B25F0614-BS1)			*Lab File ID: PFAS1_250612_030.d*		*Analyzed: 06/12/25 20:43*				
13C3-PFBA	165596.5	3.11075	166660.9	3.09875	99	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	179943.7	5.4907	184793.6	5.47885	97	30 - 150	0.0118	+/-0.10	
13C4-PFOA	20392.95	6.6626	21638.81	6.6626	94	30 - 150	0.0000	+/-0.10	
13C5-PFNA	120504.7	7.125467	125843.5	7.125467	96	30 - 150	0.0000	+/-0.10	
13C2-PFDA	125201.3	7.5756	127428.4	7.5756	98	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	23684.72	6.796233	24128.99	6.796233	98	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25968.21	7.7568	25756.05	7.7568	101	30 - 150	0.0000	+/-0.10	
BS (B25F0614-BS2)			*Lab File ID: PFAS1_250612_031.d*		*Analyzed: 06/12/25 21:01*				
13C3-PFBA	168911.6	3.11075	166660.9	3.09875	101	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	182098.2	5.4907	184793.6	5.47885	99	30 - 150	0.0118	+/-0.10	
13C4-PFOA	20480.49	6.6626	21638.81	6.6626	95	30 - 150	0.0000	+/-0.10	
13C5-PFNA	123622.5	7.125467	125843.5	7.125467	98	30 - 150	0.0000	+/-0.10	
13C2-PFDA	127374.9	7.563783	127428.4	7.5756	100	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	23357.36	6.796233	24128.99	6.796233	97	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25058.04	7.744983	25756.05	7.7568	97	30 - 150	-0.0118	+/-0.10	
CCV (S25F0493-CCV3)			*Lab File ID: PFAS1_250612_038.d*		*Analyzed: 06/12/25 23:04*				
13C3-PFBA	172006.8	3.09875	166660.9	3.09875	103	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	192411.9	5.47885	184793.6	5.47885	104	30 - 150	0.0000	+/-0.10	
13C4-PFOA	22348	6.650733	21638.81	6.6626	103	30 - 150	-0.0119	+/-0.10	
13C5-PFNA	129994.5	7.125467	125843.5	7.125467	103	30 - 150	0.0000	+/-0.10	
13C2-PFDA	135714.5	7.563783	127428.4	7.5756	107	30 - 150	-0.0118	+/-0.10	
18O2-PFHxS	24814.33	6.796233	24128.99	6.796233	103	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26214.4	7.744983	25756.05	7.7568	102	30 - 150	-0.0118	+/-0.10	
CCB (S25F0493-CCB3)			*Lab File ID: PFAS1_250612_039.d*		*Analyzed: 06/12/25 23:21*				
13C3-PFBA	181986.6	3.09875	172006.8	3.09875	106	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	196037.8	5.47885	192411.9	5.47885	102	30 - 150	0.0000	+/-0.10	
13C4-PFOA	22414.81	6.650733	22348	6.650733	100	30 - 150	0.0000	+/-0.10	
13C5-PFNA	135096.8	7.125467	129994.5	7.125467	104	30 - 150	0.0000	+/-0.10	
13C2-PFDA	134195	7.563783	135714.5	7.563783	99	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25521.67	6.796233	24814.33	6.796233	103	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26975.2	7.744983	26214.4	7.744983	103	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0493 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
FB01-GW060525 (O25F0365-01)			*Lab File ID: PFAS1_250612_040.d*			*Analyzed: 06/12/25 23:39*			
13C3-PFBA	175255.3	3.11075	172006.8	3.09875	102	30 - 150	0.0120	+/-0.10	
13C2-PFHxA	190816.5	5.47885	192411.9	5.47885	99	30 - 150	0.0000	+/-0.10	
13C4-PFOA	22237.85	6.650733	22348	6.650733	100	30 - 150	0.0000	+/-0.10	
13C5-PFNA	129231.8	7.125467	129994.5	7.125467	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	129465.2	7.563783	135714.5	7.563783	95	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24942.18	6.796233	24814.33	6.796233	101	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26222.96	7.744983	26214.4	7.744983	100	30 - 150	0.0000	+/-0.10	
FD02-GW060525 (O25F0365-02)			*Lab File ID: PFAS1_250612_041.d*			*Analyzed: 06/12/25 23:57*			
13C3-PFBA	168087.4	3.09875	172006.8	3.09875	98	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	187206.9	5.47885	192411.9	5.47885	97	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21030.1	6.650733	22348	6.650733	94	30 - 150	0.0000	+/-0.10	
13C5-PFNA	128582.4	7.125467	129994.5	7.125467	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	129946.3	7.563783	135714.5	7.563783	96	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24327.69	6.796233	24814.33	6.796233	98	30 - 150	0.0000	+/-0.10	
13C4-PFOS	25969.95	7.744983	26214.4	7.744983	99	30 - 150	0.0000	+/-0.10	
MW39S-GW06025 (O25F0365-03)			*Lab File ID: PFAS1_250612_042.d*			*Analyzed: 06/13/25 00:14*			
13C3-PFBA	167524.1	3.09875	172006.8	3.09875	97	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	187068.5	5.4907	192411.9	5.47885	97	30 - 150	0.0118	+/-0.10	
13C4-PFOA	21074.86	6.6626	22348	6.650733	94	30 - 150	0.0119	+/-0.10	
13C5-PFNA	128209.7	7.125467	129994.5	7.125467	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	130191.2	7.563783	135714.5	7.563783	96	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24301.83	6.796233	24814.33	6.796233	98	30 - 150	0.0000	+/-0.10	
13C4-PFOS	26462.61	7.744983	26214.4	7.744983	101	30 - 150	0.0000	+/-0.10	
MW39D-GW060575 (O25F0365-04)			*Lab File ID: PFAS1_250612_043.d*			*Analyzed: 06/13/25 00:32*			
13C3-PFBA	167154.1	3.09875	172006.8	3.09875	97	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	188210.9	5.47885	192411.9	5.47885	98	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21798.38	6.650733	22348	6.650733	98	30 - 150	0.0000	+/-0.10	
13C5-PFNA	128784.9	7.125467	129994.5	7.125467	99	30 - 150	0.0000	+/-0.10	
13C2-PFDA	135132	7.563783	135714.5	7.563783	100	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24158.28	6.796233	24814.33	6.796233	97	30 - 150	0.0000	+/-0.10	
13C4-PFOS	27209.33	7.744983	26214.4	7.744983	104	30 - 150	0.0000	+/-0.10	

INTERNAL STANDARD AREA AND RT SUMMARY

E1633

Client: CDM Federal Programs Corporation
SDG: O25F0365
Project: Salt Lake City VA PFAS

Sequence: S25F0493 Instrument: PFAS1
Calibration: OF250075

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
CCV (S25F0493-CCV4)			*Lab File ID: PFAS1_250612_047.d*			*Analyzed: 06/13/25 01:42*			
13C3-PFBA	172589.1	3.09875	172006.8	3.09875	100	30 - 150	0.0000	+/-0.10	
13C2-PFHxA	190649.3	5.47885	192411.9	5.47885	99	30 - 150	0.0000	+/-0.10	
13C4-PFOA	21875.23	6.650733	22348	6.650733	98	30 - 150	0.0000	+/-0.10	
13C5-PFNA	131998	7.125467	129994.5	7.125467	102	30 - 150	0.0000	+/-0.10	
13C2-PFDA	135782.1	7.563783	135714.5	7.563783	100	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	24803.48	6.796233	24814.33	6.796233	100	30 - 150	0.0000	+/-0.10	
13C4-PFOS	27221.61	7.744983	26214.4	7.744983	104	30 - 150	0.0000	+/-0.10	
CCB (S25F0493-CCB4)			*Lab File ID: PFAS1_250612_048.d*			*Analyzed: 06/13/25 02:00*			
13C3-PFBA	182458.7	3.086767	172589.1	3.09875	106	30 - 150	-0.0120	+/-0.10	
13C2-PFHxA	193010.3	5.47885	190649.3	5.47885	101	30 - 150	0.0000	+/-0.10	
13C4-PFOA	22472.85	6.650733	21875.23	6.650733	103	30 - 150	0.0000	+/-0.10	
13C5-PFNA	134494.1	7.125467	131998	7.125467	102	30 - 150	0.0000	+/-0.10	
13C2-PFDA	136556.6	7.563783	135782.1	7.563783	101	30 - 150	0.0000	+/-0.10	
18O2-PFHxS	25437.08	6.796233	24803.48	6.796233	103	30 - 150	0.0000	+/-0.10	
13C4-PFOS	27018.26	7.744983	27221.61	7.744983	99	30 - 150	0.0000	+/-0.10	

* Values outside of QC limits

PREPARATION BENCH SHEET
LC-MS-MS

B25F0614

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25F0614-BLK1	1633 PFAS	6/11/25 11:09	500.00	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25F0614-BS1	1633 PFAS	6/11/25 11:09	500.00	5.00		25050241	13	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
B25F0614-BS2	1633 PFAS	6/11/25 11:09	500.00	5.00		25050241	125	24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0291-05	1633 PFAS	6/11/25 11:09	493.07	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0291-05DL1	1633 PFAS	6/11/25 11:09	493.07	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0324-01	1633 PFAS	6/11/25 11:09	500.51	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0363-01	1633 PFAS	6/11/25 11:09	502.94	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0365-01	1633 PFAS	6/11/25 11:09	505.78	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0365-02	1633 PFAS	6/11/25 11:09	509.78	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0365-03	1633 PFAS	6/11/25 11:09	516.62	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0365-04	1633 PFAS	6/11/25 11:09	523.22	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0370-01	1633 PFAS	6/11/25 11:09	506.12	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

PREPARATION BENCH SHEET
LC-MS-MS

B25F0614

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25F0518-01	1633 PFAS	6/11/25 11:09	497.15	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0518-03	1633 PFAS	6/11/25 11:09	504.40	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0519-01	1633 PFAS	6/11/25 11:09	501.47	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									
O25F0519-04	1633 PFAS	6/11/25 11:09	494.71	5.00				24110510	25	
1st pH Adjustment:	**2nd pH Adjustment:**									

Batch Comments:

PREPARATION BENCH SHEET
LC-MS-MS

B25F0614

(Continued)

Matrix: Water

Prepared By:Catrina Kujawa

Analyses
1633 PFAS

Surrogate Solution(s)
24110510 Surrogate

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments

Spiking Solution(s)
25050241 1633 ICV/LCS 200ppb

Reagents / Equipment

Standard	Description	LotNum
2030281	Captiva Econofilter, PP 25mm 0.2um	281048011
2090746	Acetic Acid, Glacial	0000281454
23120417	Transfer Pipet 1.5 mL	10072023
24051279	Water From Type I DI System	NA
24070607	pH Test Paper 5.5 - 8	234623
24080587	15mL Centrifuge Tube	15C3G1198B
24080850	Oasis WAX 200mg 60um/GCB 50mg [WATER]	KIT034116A
24110399	Formic Acid	STBL4128
24110696	15mL Centrifuge Tube	15C3I1099B
24120430	5 mL Norm-Ject Syringe	22K12C8
25010049	3% Ammonium Hydroxide	NA
25050234	Methanolic 1:1	Refer Stock
25050235	0.3M Formic Acid	Refer Stock
25060155	1% Methanolic Ammonium Hydroxide	NA

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25F0485	Instrument:	PFAS1
Calibration:	OF250075		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard (STD # 25050099)	S25F0485-CAL1	PFAS1_250612_012.d	06/12/25 15:27
Cal Standard (STD # 25010541)	S25F0485-CAL1	PFAS1_250612_012.d	06/12/25 15:27
Cal Standard (STD # 25010541)	S25F0485-CAL2	PFAS1_250612_013.d	06/12/25 15:45
Cal Standard (STD # 25050100)	S25F0485-CAL2	PFAS1_250612_013.d	06/12/25 15:45
Cal Standard (STD # 25010541)	S25F0485-CAL3	PFAS1_250612_014.d	06/12/25 16:03
Cal Standard (STD # 25050101)	S25F0485-CAL3	PFAS1_250612_014.d	06/12/25 16:03
Cal Standard (STD # 25010541)	S25F0485-CAL4	PFAS1_250612_015.d	06/12/25 16:20
Cal Standard (STD # 25050102)	S25F0485-CAL4	PFAS1_250612_015.d	06/12/25 16:20
Cal Standard (STD # 25050103)	S25F0485-CAL5	PFAS1_250612_016.d	06/12/25 16:38
Cal Standard (STD # 25010541)	S25F0485-CAL5	PFAS1_250612_016.d	06/12/25 16:38
Cal Standard (STD # 25050104)	S25F0485-CAL6	PFAS1_250612_017.d	06/12/25 16:55
Cal Standard (STD # 25010541)	S25F0485-CAL6	PFAS1_250612_017.d	06/12/25 16:55
Cal Standard (STD # 25010541)	S25F0485-CAL7	PFAS1_250612_018.d	06/12/25 17:13
Cal Standard (STD # 25050105)	S25F0485-CAL7	PFAS1_250612_018.d	06/12/25 17:13
Cal Standard (STD # 25010541)	S25F0485-CAL8	PFAS1_250612_019.d	06/12/25 17:30
Cal Standard (STD # 25050106)	S25F0485-CAL8	PFAS1_250612_019.d	06/12/25 17:30
Cal Standard (STD # 25010541)	S25F0485-CAL9	PFAS1_250612_020.d	06/12/25 17:48
Cal Standard (STD # 25050107)	S25F0485-CAL9	PFAS1_250612_020.d	06/12/25 17:48
Cal Standard (STD # 25010541)	S25F0485-CAL10	PFAS1_250612_021.d	06/12/25 18:05
Cal Standard (STD # 25050108)	S25F0485-CAL10	PFAS1_250612_021.d	06/12/25 18:05
Initial Cal Check (STD # 25050242)	S25F0485-ICV1	PFAS1_250612_022.d	06/12/25 18:23
Initial Cal Check (STD # 25010541)	S25F0485-ICV1	PFAS1_250612_022.d	06/12/25 18:23

ANALYSIS SEQUENCE SUMMARY

PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25F0493	Instrument:	PFAS1
Calibration:	OF250075		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check (STD # 25010541)	S25F0493-CCV1	PFAS1_250612_025.d	06/12/25 18:35
Calibration Check (STD # 25050104)	S25F0493-CCV1	PFAS1_250612_025.d	06/12/25 18:35
Calibration Blank (STD # 25010541)	S25F0493-CCB1	PFAS1_250612_023.d	06/12/25 18:40
Calibration Blank (STD # 24051382)	S25F0493-CCB1	PFAS1_250612_023.d	06/12/25 18:40
Low Cal Check (STD # 25050099)	S25F0493-LCV1	PFAS1_250612_024.d	06/12/25 18:58
Low Cal Check (STD # 25010541)	S25F0493-LCV1	PFAS1_250612_024.d	06/12/25 18:58
Calibration Check (STD # 25050104)	S25F0493-CCV2	PFAS1_250612_025.d	06/12/25 19:15
Calibration Check (STD # 25010541)	S25F0493-CCV2	PFAS1_250612_025.d	06/12/25 19:15
Interference Check B (STD # 25010541)	S25F0493-IFB1	PFAS1_250612_026.d	06/12/25 19:33
Interference Check B (STD # 24110455)	S25F0493-IFB1	PFAS1_250612_026.d	06/12/25 19:33
Interference Check A (STD # 25010541)	S25F0493-IFA1	PFAS1_250612_027.d	06/12/25 19:50
Interference Check A (STD # 24110454)	S25F0493-IFA1	PFAS1_250612_027.d	06/12/25 19:50
Calibration Blank (STD # 24051382)	S25F0493-CCB2	PFAS1_250612_028.d	06/12/25 20:08
Calibration Blank (STD # 25010541)	S25F0493-CCB2	PFAS1_250612_028.d	06/12/25 20:08
Blank (STD # 24110510)	B25F0614-BLK1	PFAS1_250612_029.d	06/12/25 20:26
Blank (STD # 25010541)	B25F0614-BLK1	PFAS1_250612_029.d	06/12/25 20:26
LCS (STD # 25010541)	B25F0614-BS1	PFAS1_250612_030.d	06/12/25 20:43
LCS (STD # 25050241)	B25F0614-BS1	PFAS1_250612_030.d	06/12/25 20:43
LCS (STD # 24110510)	B25F0614-BS1	PFAS1_250612_030.d	06/12/25 20:43
LCS (STD # 25010541)	B25F0614-BS2	PFAS1_250612_031.d	06/12/25 21:01
LCS (STD # 25050241)	B25F0614-BS2	PFAS1_250612_031.d	06/12/25 21:01
LCS (STD # 24110510)	B25F0614-BS2	PFAS1_250612_031.d	06/12/25 21:01
Calibration Check (STD # 25050104)	S25F0493-CCV3	PFAS1_250612_038.d	06/12/25 23:04
Calibration Check (STD # 25010541)	S25F0493-CCV3	PFAS1_250612_038.d	06/12/25 23:04
Calibration Blank (STD # 25010541)	S25F0493-CCB3	PFAS1_250612_039.d	06/12/25 23:21
Calibration Blank (STD # 24051382)	S25F0493-CCB3	PFAS1_250612_039.d	06/12/25 23:21
FB01-GW060525	O25F0365-01	PFAS1_250612_040.d	06/12/25 23:39
FD02-GW060525	O25F0365-02	PFAS1_250612_041.d	06/12/25 23:57
MW39D-GW06025	O25F0365-03	PFAS1_250612_042.d	06/13/25 00:14
MW39S-GW060575	O25F0365-04	PFAS1_250612_043.d	06/13/25 00:32
Calibration Check (STD # 25010541)	S25F0493-CCV4	PFAS1_250612_047.d	06/13/25 01:42
Calibration Check (STD # 25050104)	S25F0493-CCV4	PFAS1_250612_047.d	06/13/25 01:42

ANALYSIS SEQUENCE SUMMARY

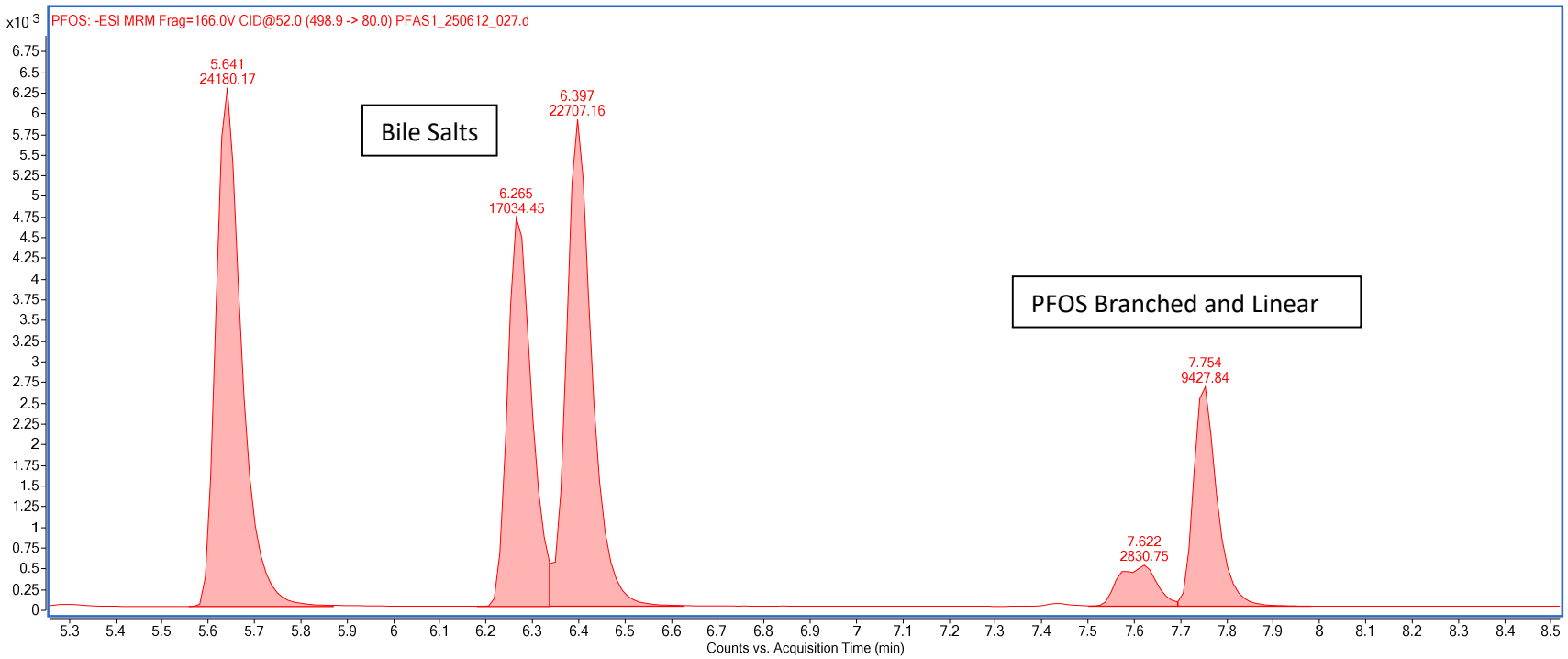
PFAS Substances by LC-MS-MS

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS

Sequence:	S25F0493	Instrument:	PFAS1
Calibration:	OF250075		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank (STD # 24051382)	S25F0493-CCB4	PFAS1_250612_048.d	06/13/25 02:00
Calibration Blank (STD # 25010541)	S25F0493-CCB4	PFAS1_250612_048.d	06/13/25 02:00

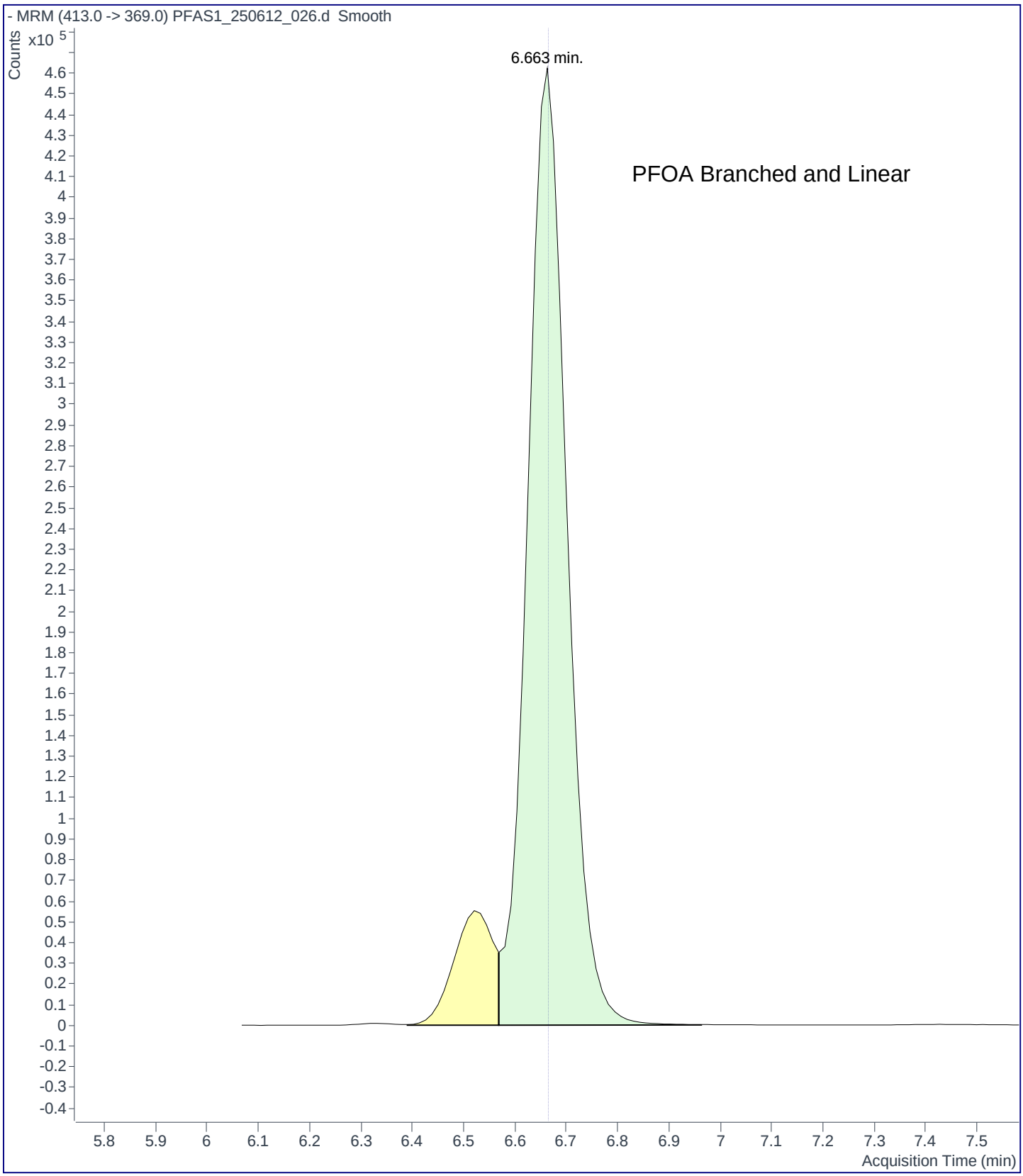
Bile Salts Interference Check



Compound Information Window

Agilent Technologies

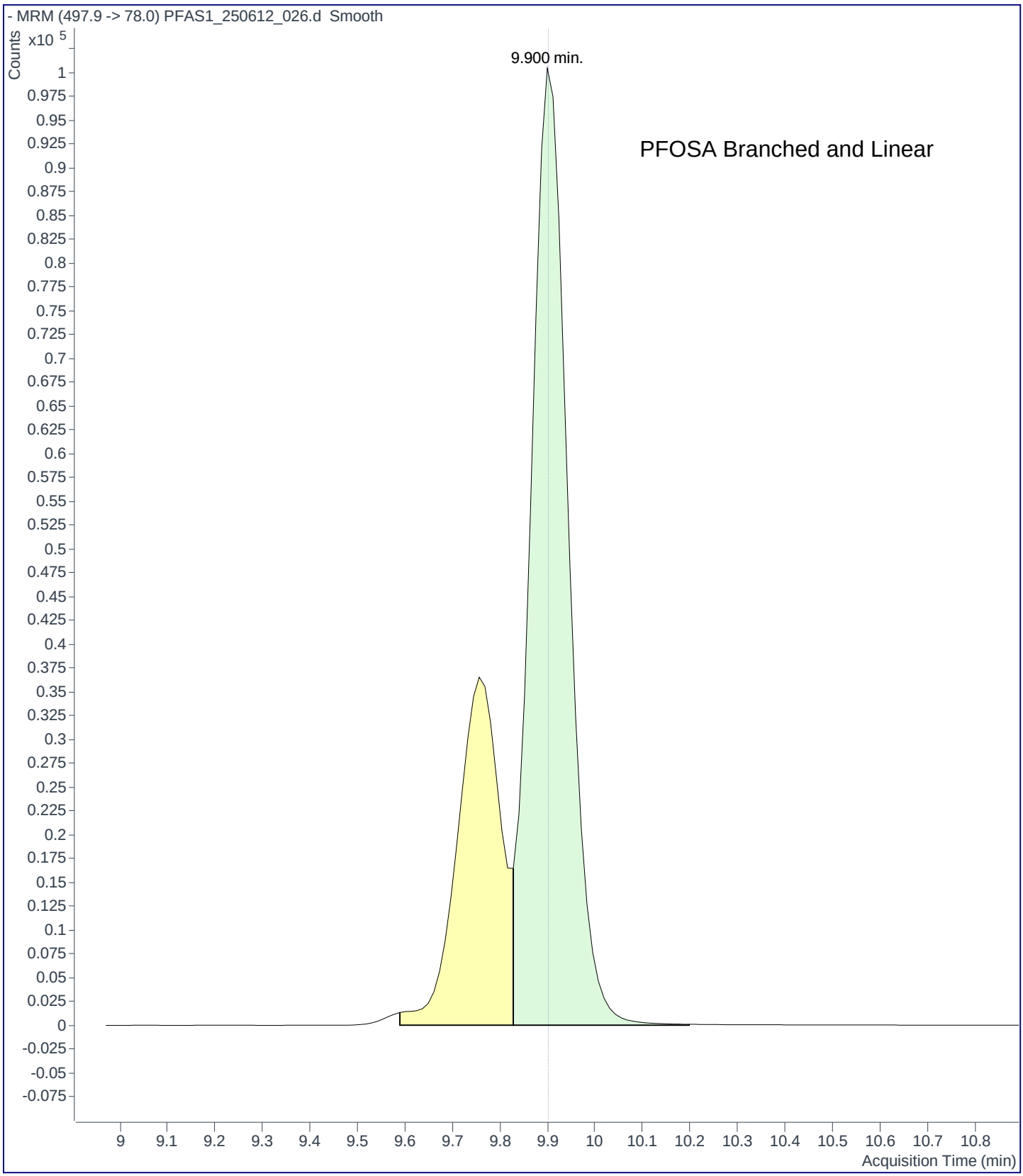
Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



Compound Information Window

Agilent Technologies

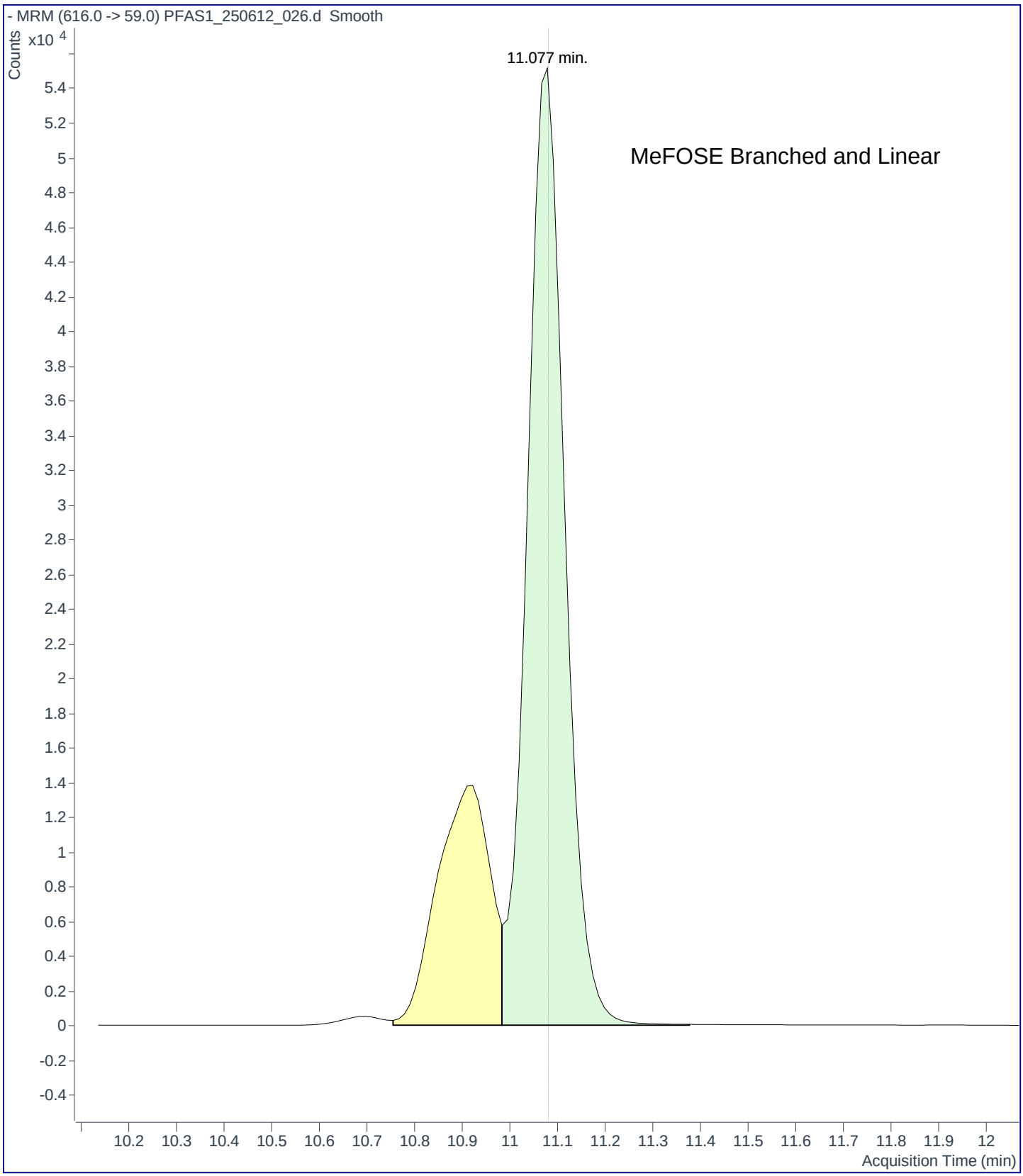
Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



Compound Information Window

Agilent Technologies

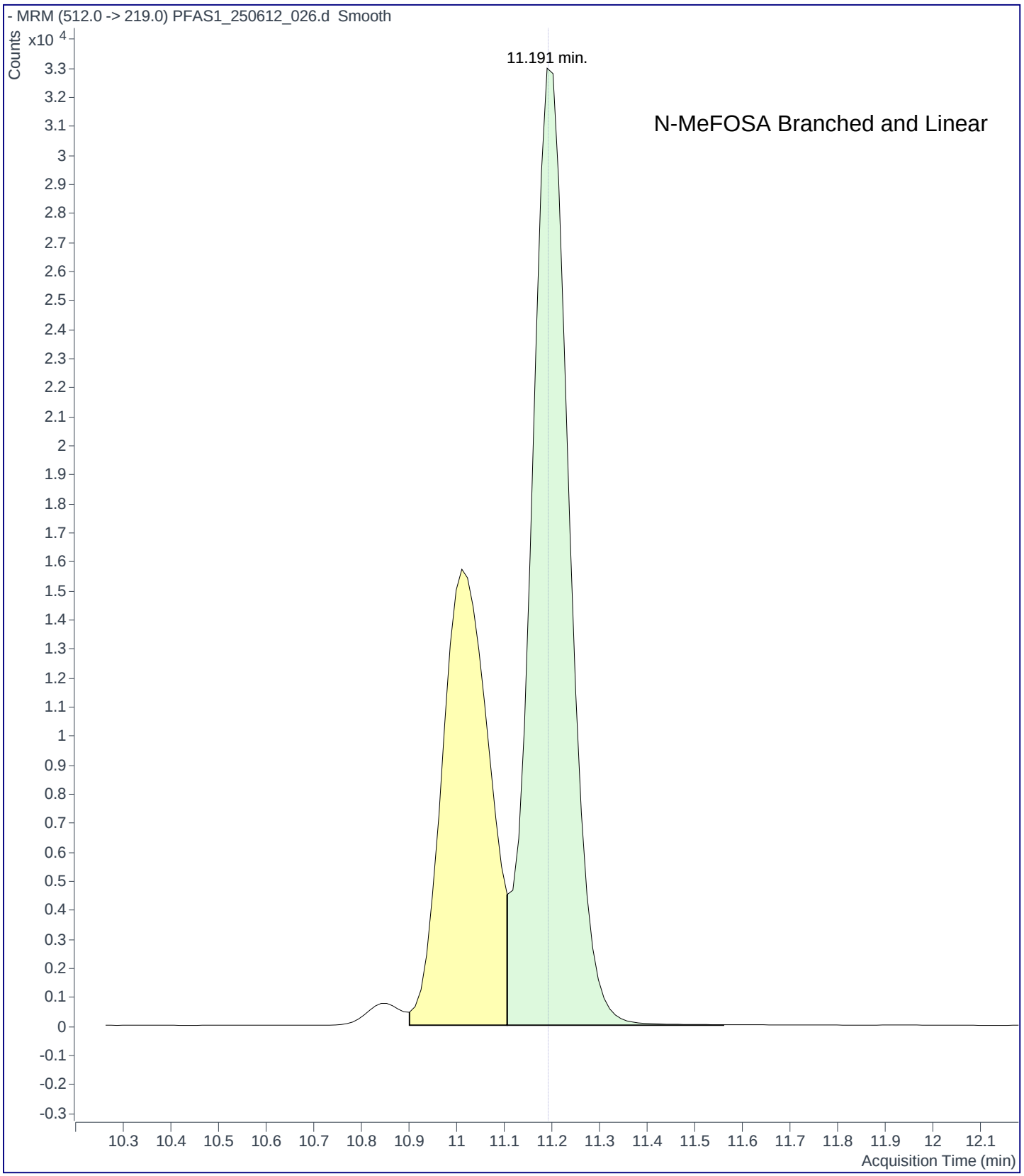
Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



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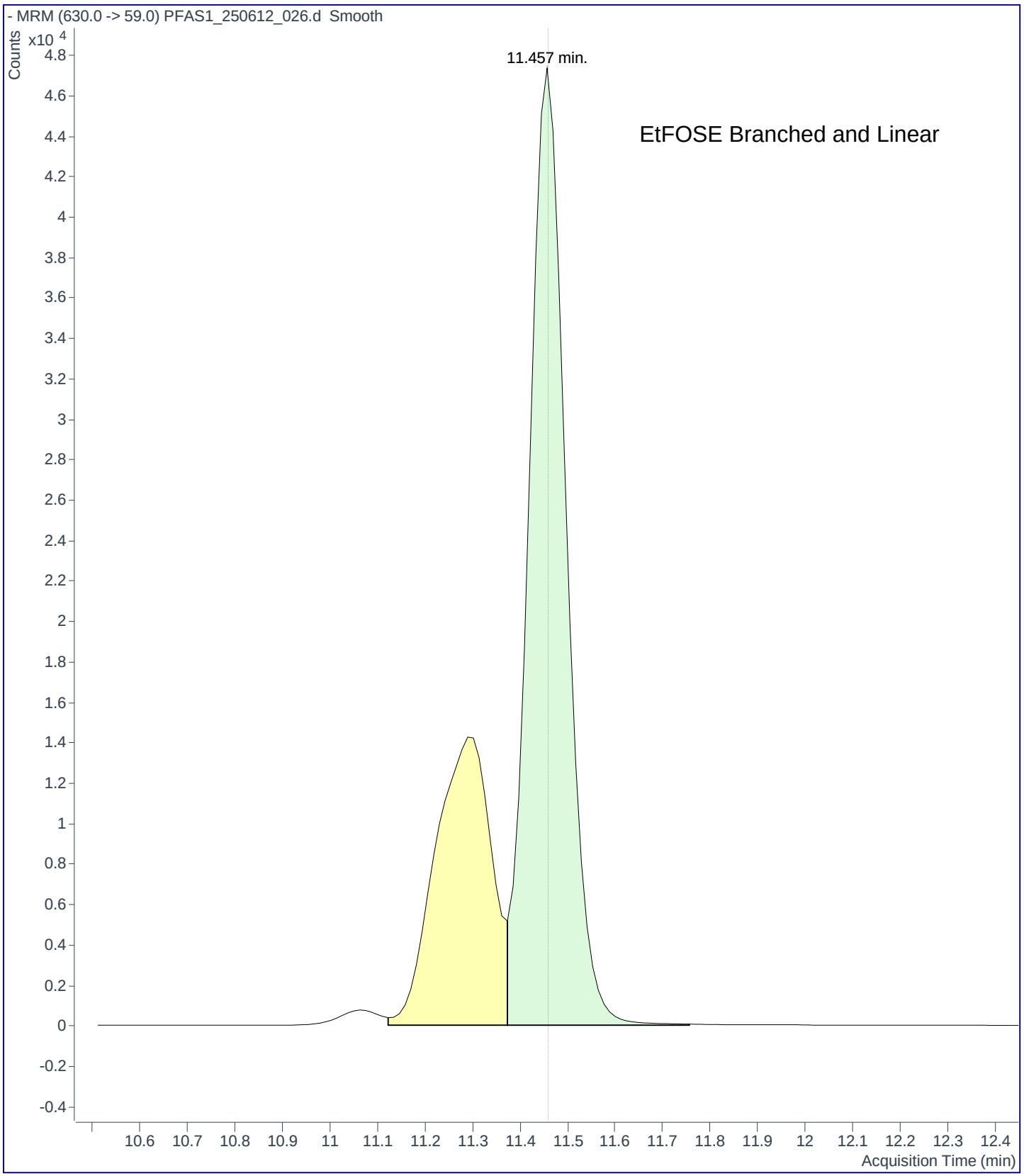
Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



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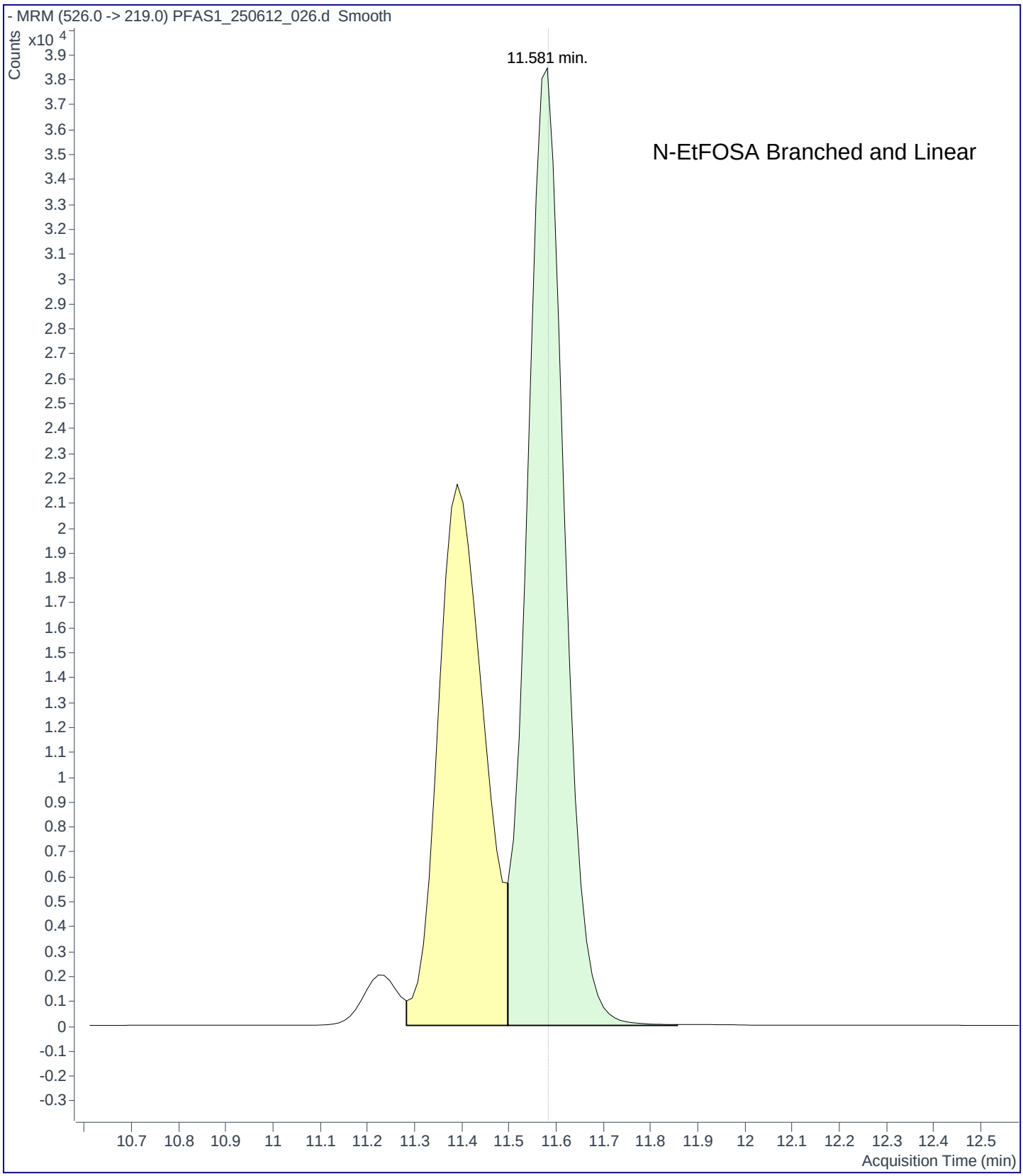
Compound Information Window

Agilent Technologies

Data Path	D:\MassHunter\Data\2025\(F) June\250612
Data File	PFAS1_250612_026.d
Acq Operator	CP1
Acq. Date-Time	6/12/2025 7:33 PM
Instrument Name	PFAS1



Generated at 4:49 PM on 6/13/2025

Manual Integration and Raw Data Qualifiers and Definitions

H	Only half of the peak was integrated. A manual integration was performed to include the whole peak.
I	The peak was mis-identified. A manual integration was performed to pick the correct peak.
N	The peak was not integrated. A manual integration was performed to integrate the correct peak.
T	The peak was integrated with excessive tailing. A manual integration was performed to eliminate the excessive tailing.
C	The peak was cut off too soon. A manual integration was performed to include the rest of the peak.
B	The baseline was drawn incorrectly. A manual integration was performed to correct the baseline.
M	Two or more peaks were merged. A manual integration was performed to separate the peaks
d	The peak was deleted because it was mis-identified.

Analysis Class: Wet Chemistry

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

FB01-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-01	File ID:	TSS_B25F0498_25060905303
Sampled:	06/05/25 10:30	Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25F0498	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	5.00	2.00	4.00	10.0	J

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

FD02-GW060525

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-02	File ID:	TSS_B25F0498_25060905303
Sampled:	06/05/25 11:00	Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25F0498	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	U

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW39D-GW06025

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-03	File ID:	TSS_B25F0498_25060905303
Sampled:	06/05/25 10:45	Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25F0498	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	2.00	2.00	4.00	10.0	J

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET
SM2540D 2011

MW39S-GW060575

Laboratory:	Sterling Labs			SDG:	
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	O25F0365-04	File ID:	TSS_B25F0498_25060905303
Sampled:	06/05/25 14:10	Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Initial/Final:	100 ml / 100 ml				
Batch:	B25F0498	Sequence:		Calibration:	Instrument: Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	10.0	2.00	4.00	10.0	

Italicized = secondary result

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-BLK1	File ID:	TSS_B25F0498_25060905303
		Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	0.2
Batch:	B25F0498			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		0.400	0.800	10.0	U

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-BS1	File ID:	TSS_B25F0498_25060905303
		Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25F0498			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	1,000	2.00	4.00	10.0	

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-DUP1	File ID:	TSS_B25F0498_25060905303
		Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25F0498			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)	6.00	2.00	4.00	10.0	P, J

1 - FORM I
ANALYSIS DATA SHEET

Duplicate

Laboratory:	Sterling Labs			SDG:	O25F0365
Client:	CDM Federal Programs Corporation			Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-DUP2	File ID:	TSS_B25F0498_2506090530
		Prepared:	06/09/25 17:14	Analyzed:	06/10/25 06:00
		Preparation:	No Prep 2540	Dilution:	1
Batch:	B25F0498			Instrument:	Balance 5

CAS NO.	COMPOUND	CONC. (mg/L)	MDL	LOD	LOQ	Q
	Suspended Solids (Residue, Non-filterable)		2.00	4.00	10.0	U

DUPLICATES

Outfall_002_2025

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-DUP1
Batch:	B25F0498	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	5.00	6.00 P, J	18	*	10

* Values outside of QC limits

DUPLICATES

MW39D-GW06025

Laboratory:	Sterling Labs	SDG:	O25F0365
Client:	CDM Federal Programs Corporation	Project:	Salt Lake City VA PFAS
Matrix:	Water	Laboratory ID:	B25F0498-DUP2
Batch:	B25F0498	Initial/Final:	100 ml / 100 ml
Preparation:	No Prep 2540	Analysis:	SM2540D 2011

% Solids:

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Suspended Solids (Residue, Non-filtera	2.00	Not Detected U			10

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SM2540D 2011

Client: CDM Federal Programs Corporation
Project: Salt Lake City VA PFAS
SDG:

Matrix:	Water	Prep Method:	No Prep 2540
Prep Batch:	B25F0498	Lab Sample ID:	B25F0498-BS1

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Suspended Solids (Residue, Non-filterable)	1,030	1,000	98	85 - 115

* Values outside of QC limits

`B25F0498~

TSS/VSS Analysis Worksheet

Standard Methods 2540 D-2011
Total Suspended Solids Dried at 103-105°C

$$TSS = \frac{\text{Pan + Dry Sample} - \text{Pan + Filter}}{\text{Sample Volume}} \times 10^6$$

Standard Methods 2540 E-2011
Fixed and Volatile Solids Ignited at 550° C

$$VSS = \frac{\text{Pan + Dry Sample} - \text{Pan + Filter}}{\text{Sample Volume}} \times 10^6$$

Batch ID: B25F0498

Instrument: Balance 5

Acceptance limit : +/-0.1%

INITIAL Balance #	INITIAL Beginning check: 20.0000g =	INITIAL Beginning check: : 2.0000g=	INITIAL End Verification: 20.0000g=	INITIAL End Verification 2.0000g=	Final Balance #	Final Beginning check: 20.0000 =	Final Beginning check: 2.0000g=	Final End Verification: 20.0000g=	Final End Verification: 2.0000g=
5	19.9992	1.9997	19.9994	1.9998	5	19.9993	1.9999	19.9995	1.9998

Analyst: OA1

Date/Time IN:	Date/Time OUT
6/9/2025 18:30	6/10/2025 6:00

Default Vol ml: 100

Import Spec. - WC_TS and WC_PMOIST

Pan #	SampID	Client ID Source ID	Initial Volume	Pan + Filter Tare Wt. (gms)	Dry Pan +Filter and Sample Weight (g)	units mg/L	TSS/VSS	Dilution	Comments
911	B25F0498-BLK1	Blank	500	6.8664	6.8653	mg/L	-2.200	0.200	
TWO	B25F0498-BS1	LCS	100	6.8313	6.9318	mg/L	1005.000	1.000	
HBI	O25F0277-01	Outfall_001_2025	100	6.8765	6.9205	mg/L	440.000	1.000	
JOT	O25F0277-02	Outfall_002_2025	100	6.9045	6.9040	mg/L	5.000	1.000	
OLS	B25F0498-DUP1	Duplicate O25F0277-02	100	6.8035	6.8029	mg/L	6.000	1.000	
ALE	O25F0350-01	2431641	500	6.7892	6.8764	mg/L	174.400	0.200	
NO9	O25F0365-01	FB01-GW060525	100	6.8035	6.8030	mg/L	5.000	1.000	
FIL	O25F0365-02	FD02-GW060525	100	6.8506	6.8507	mg/L	1.000	1.000	
AGE	O25F0365-03	MW39D-GW06025	100	6.7732	6.7730	mg/L	2.000	1.000	
3AL	B25F0498-DUP2	Duplicate O25F0365-03	100	6.8843	6.8842	mg/L	1.000	1.000	
RAT	O25F0365-04	MW395-GW060575	100	6.8536	6.8546	mg/L	10.000	1.000	
LOA	O25F0389-05	Upstream ACH Composite	100	6.8400	6.8520	mg/L	120.000	1.000	
RGE	O25F0389-08	2A Composite	100	6.7949	6.8240	mg/L	291.000	1.000	
CON	O25F0390-01	6A FPC	100	6.8169	6.8255	mg/L	86.000	1.000	
CHI	O25F0391-01	2am1 FPC	100	6.8717	6.8799	mg/L	82.000	1.000	
121	O25F0391-02	3am4 FPC	100	6.8566	6.8589	mg/L	23.000	1.000	
USE	O25F0395-01	1A EVC	100	6.8460	6.8509	mg/L	49.000	1.000	
PIN	O25F0395-02	2A EVC	100	6.8913	6.8970	mg/L	57.000	1.000	
ASK	O25F0396-05	Upstream ACH Composite	100	6.8123	6.8122	mg/L	1.000	1.000	
CAT	O25F0396-08	2A Composite	100	6.8672	6.8920	mg/L	248.000	1.000	
DET	O25F0398-01	2am1 FPC	100	6.7641	6.7679	mg/L	38.000	1.000	
MOP	O25F0398-02	3am4 FPC	100	6.8741	6.8770	mg/L	29.000	1.000	
WEN	O25F0422-05	Upstream ACH Composite	100	6.8727	6.8739	mg/L	12.000	1.000	
EEL	O25F0422-08	2A Composite	100	6.6759	6.7627	mg/L	868.000	1.000	

PREPARATION BENCH SHEET
WC

B25F0498

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
B25F0498-BLK1	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25F0498-BS1	2540D TSS	6/9/25 17:14	100.00	100.00		25060276	100000			
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25F0498-DUP1	2540D TSS	6/9/25 17:14	100.00	100.00	O25F0277-02					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
B25F0498-DUP2	2540D TSS	6/9/25 17:14	100.00	100.00	O25F0365-03					
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0277-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0277-02	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0350-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0365-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0365-02	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0365-03	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0365-04	2540D TSS	6/9/25 17:14	100.00	100.00						

PREPARATION BENCH SHEET
WC

B25F0498

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0389-05	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0389-08	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0390-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0391-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0391-02	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0395-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0395-02	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0396-05	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0396-08	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0398-01	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

PREPARATION BENCH SHEET
WC

B25F0498

(Continued)

Matrix: Water

Prepared By:Oyin Akindipe

Analyses
2540D TSS

Surrogate Solution(s)

Lab Number	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Surrogate ID	ul Surrogate	Extraction Comments
O25F0398-02	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0422-05	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										
O25F0422-08	2540D TSS	6/9/25 17:14	100.00	100.00						
Balance: Balance5 **Temperature:** **Time In:** **Time Out:** **Digestion/Distillation Unit:** **Oxidizers Check:** None **Sulfur Check**:										

Batch Comments:

Spiking Solution(s)

25060276	Solids working LCS_TSS

Reagents / Equipment

Standard	Description	LotNum
23100251	TSS Filters	17909304

Appendix C

Potentiometric Surface Maps from Final OU1 Groundwater Monitoring Report for 2024

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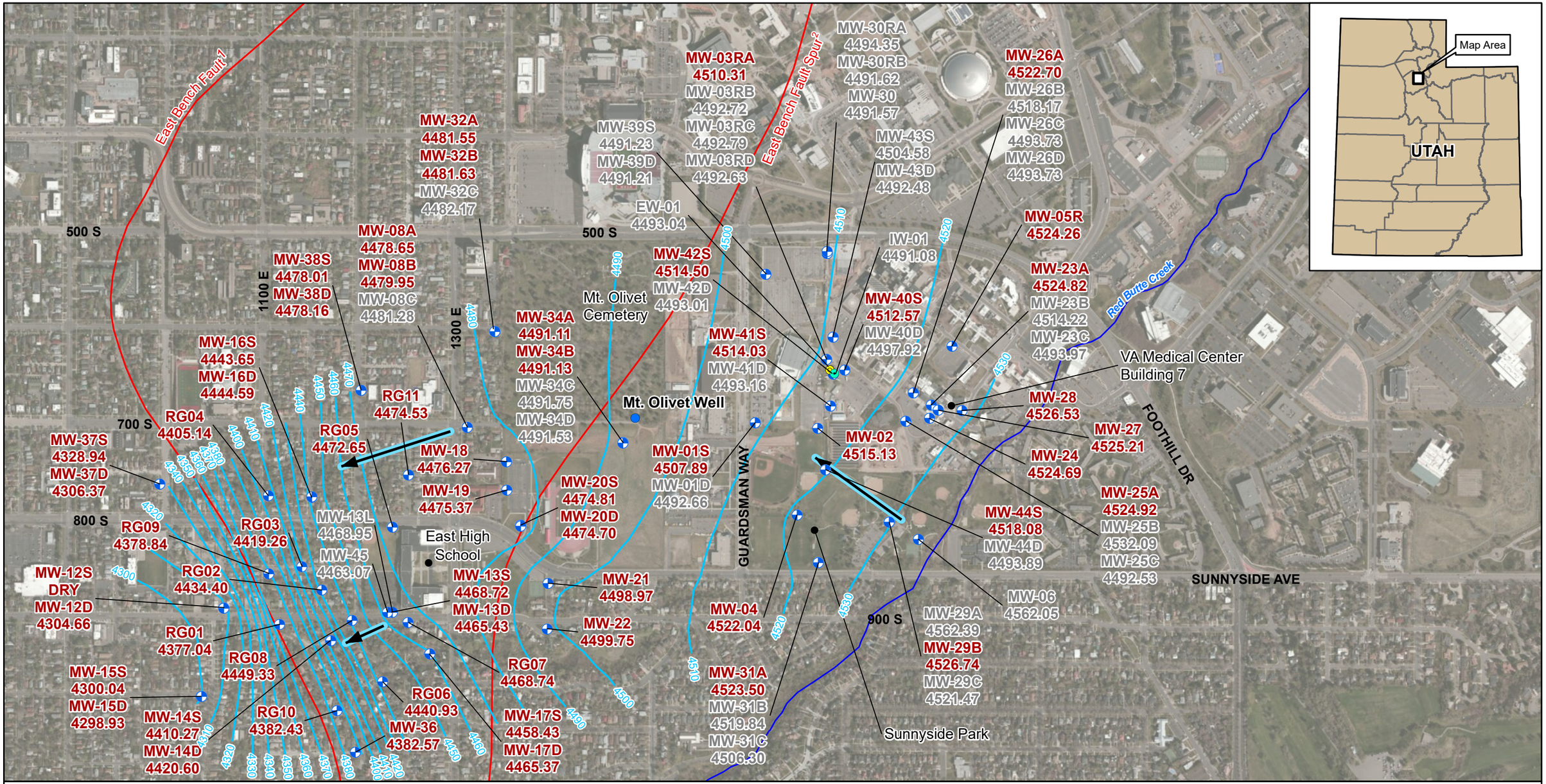


Legend

- Monitoring Well
- Extraction Well
- Injection Well
- Irrigation Well
- Landmark
- Red Butte Creek
- Fault Line
- Groundwater Contour
- Dashed Line - Inferred Extent
- Groundwater Flow Direction

Notes:
1. All ground surface elevations in feet amsl
2. Measurements taken September 4th through 11th 2024.
3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only
4. Water level values for MW-14S/D and MW-17S/D were averaged during contouring.

[1] Davis, F.D. 1983. Geologic Map of the Central Wasatch Front, Utah. Utah Geological and Mineral Survey. Map 54-A – Wasatch Front Series. May.
[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well

IW = injection well
RG = residential groundwater sample
NM = Not measured

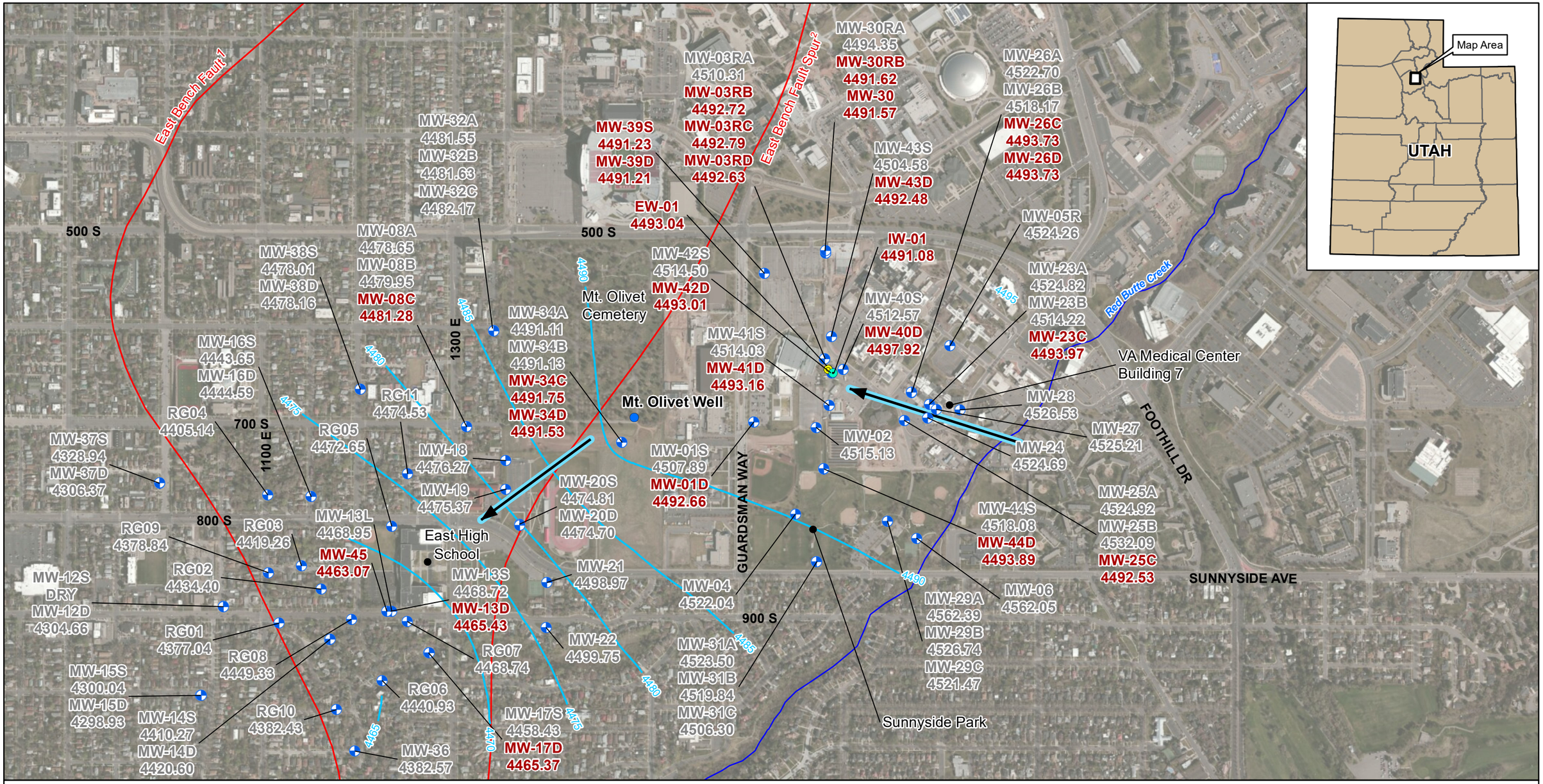
N W E S
0 500 1,000 Feet

Figure 2a
Potentiometric Groundwater Surface Map - Shallow Aquifer
September 2024

Groundwater Monitoring Report for 2024
700 South 1600 East PCE Plume
Salt Lake City, Utah

CDM Smith

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2024\DSR_2024Q3\Fig2a_GW_Shallow_Aquifer_Sept2024.mxd WAGNERA 5/19/2025 9:09:03 AM



Legend

- Monitoring Well
- Extraction Well
- Injection Well
- Irrigation Well
- Landmark
- Red Butte Creek
- Fault Line
- Groundwater Contour
- Dashed Line - Inferred Extent
- Groundwater Flow Direction

Notes:
1. All ground surface elevations in feet amsl
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3. Water levels shown in grey were not used for the generation of the potentiometric contours and are shown for information only
4. Water level values for MW-14S/D and MW-17S/D were averaged during contouring.

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[2] Personius, S.F. and Scott, W.E. 2009. Surficial Geologic Map of the Salt Lake City Segment and Parts of Adjacent Segments of the Wasatch Fault Zone, Davis, Salt Lake, and Utah Counties, Utah

amsl = above mean sea level
PCE = tetrachloroethene
MW = monitoring well
EW = extraction well

IW = injection well
RG = residential groundwater sample
NM = Not measured

N W E S

0 500 1,000 Feet

CDM Smith

Figure 2b
Potentiometric Groundwater Surface Map - Deep Aquifer
September 2024

Groundwater Monitoring Report for 2024
700 South 1600 East PCE Plume
Salt Lake City, Utah

File Path: J:\238824_VA_Medical_Salt_Lake\MXD\Sampling_2024\DSR_2024Q3\Fig2b_GW_Deep_Aquifer_Sept2024.mxd FEATHERAF 11/18/2025 3:30:56 PM